CORDOVA VILLA ELEMENTARY SCHOOL

MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670
FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT

DSA File No. 34-19
App. No. 02-123800
PTN. 67330-288

DSA REQUIREMENTS

1. ALL WORK SHALL CONFORM TO THE 2022 EDITION OF THE TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
2. AS A FACILITY WHICH COMES UNDER THE APPROVAL AND AUTHORITY OF THE DIVISION OF THE STATE ARCHITECT (DSA), THIS PROJECT IS SUBJECT TO DRAWING AND JOB SITE REVIEW BY A REPRESENTATIVE OF DSA.
3. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS AFFECTING FLS, SSS, AND/OR ACS SHALL BE MADE BY ADDENDA OR A CHANGE ORDER APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR AND DSA IR A-6.
4. A DSA CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
5. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
6. A COPY OF PART 1 THRU PART 5 OF TITLE 24 SHALL BE KEPT AND BE AVAILABLE IN THE FIELD DURING CONSTRUCTION.
7. DSA SHALL BE NOTIFIED OF THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF CONCRETE PER SECTION 4-331, PART 1, TITLE 24, CCR
8. THE DIVISION OF THE STATE ARCHITECT IS EXEMPT FROM ARBITRATION OR MEDIATION PROCEDURES.
9. SUPERVISION BY THE DIVISION OF THE STATE ARCHITECT IS PER SECTION 4-334, PART 1, TITLE 24, CCR
10. ADMINISTRATION OF CONSTRUCTION PER PART 1, TITLE 24, CCR:
    - VERIFIED REPORTS PER SECT 4-336; PART 1, TITLE 24 CCR
    - DUTIES OF ARCHITECT PER SECT 4-331, 4-341; PART 1, TITLE 24 CCR
    - DUTIES OF CONTRACTOR PER SECT. 4-343; PART 1, TITLE 24
11. TESTING AND INSPECTION:
    - INSPECTOR APPROVED BY DSA AS PER SECT. 4-333(D); PART 1, TITLE 24, CCR
    - TESTS AND TESTING LABORATORIES PER SECT 4-335
    - SPECIAL INSPECTION PER SECT. 4-333(C)
12. CHANGES IN LEVEL FOR FLOOR FINISHES SHALL CONFORM WITH CBC SECTION 1124B.2 AND 1124B.3.
13. ALL TESTS TO CONFORM TO REQUIREMENTS OF SECTION 4-335; PART 1, TITLE 24, CCR
14. TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH SECTION 4-335; PART 1, TITLE 24, CCR AND THE DISTRICT SHALL EMPLOY AND PAY THE DSA ACCEPTED LABORATORY. COSTS OF RE-TEST MAY BE BACK CHARGED TO THE CONTRACTOR.
15. INSPECTOR SHALL BE APPROVED BY DSA. INSPECTION SHALL BE IN ACCORDANCE WITH SECTION 4-333(B).
16. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR)
17. PROJECT INSPECTOR REQUIREMENTS:
    A. ONE OR MORE INSPECTORS EMPLOYED BY THE OWNER IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS WILL BE ASSIGNED TO THE WORK. THE INSPECTOR'S DUTIES ARE SPECIFICALLY DEFINED IN SECTION 4-342 OF SAID TITLE 24; PART 1 AND IN ADDITION, SHALL BE STIPULATED IN INTERPRETATION OF REGULATION DOCUMENT IR A-8.
    B. INSPECTOR SHALL BE CERTIFIED AS A CLASS 2 MIN. INSPECTOR THROUGH THE DIVISION OF THE STATE ARCHITECT INSPECTOR EXAMINATION PROGRAM. INSPECTOR SHALL ALSO BE SPECIFICALLY APPROVED BY THE DIVISION OF THE STATE ARCHITECT FOR THIS PROJECT AT LEAST 10 DAYS PRIOR TO THE START OF ANY WORK FOR THIS PROJECT.
18. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
    SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE CONSIDERED AS A CONSTRUCTION CHANGE DOCUMENT OR ADDENDUM, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION PER DSA IR A-6 AND SECTION 338(C) PART 1, TITLE 24 CCR.

DEFERRED APPROVALS

NONE

ADD ALTERNATES

NONE

CLIMATE ZONE

PROJECT IS LOCATED IN CLIMATE ZONE 12

CODES AND REGULATIONS

APPLICABLE STATE CODES AND REGULATIONS WITH LATEST AMENDMENTS AND SUPPLEMENTS:

1. 2022 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 CCR
2. 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR (2021 IBC & CALIFORNIA AMENDMENTS)
3. 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR (2020 NATIONAL ELECTRICAL CODE & CALIFORNIA AMENDMENTS)
4. 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR (2021 UNIFORM MECHANICAL CODE & CALIFORNIA AMENDMENTS)
5. 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2021 UNIFORM PLUMBING CODE & CALIFORNIA AMENDMENTS)
6. 2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CBSC
7. 2022 CALIFORNIA HISTORICAL BUILDING CODE, PART 8, TITLE 24 CCR
8. 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 CCR (2021 INTERNATIONAL FIRE CODE & CALIFORNIA AMENDMENTS)
9. 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE PART 11, TITLE 24
10. 2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 CCR
11. TITLE 19 CCR, PUBLIC SAFETY, SFM REGULATIONS

APPLICABLE FEDERAL CODES AND STANDARDS:

12. AMERICANS WITH DISABILITIES ACT (ADA), TITLE 11
13. UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS) or ADA STANDARDS FOR ACCESSIBLE DESIGN (APPENDIX A OF 28 CFR PART 36)

APPLICABLE REFERENCED STANDARDS:

14. NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED), 2022 EDITION
15. NFPA 24, PRIVATE FIRE MAINS (CA AMENDED), 2022 EDITION
16. NFPA 72, NATIONAL FIRE ALARM CODE (CA AMENDED), 2022 EDITION
17. NFPA 80, FIRE DOOR AND OTHER OPENING PROTECTIVES, 2019 EDITION

REFERENCE CODE SECTION FOR NFPA STANDARDS - 2022 CBC CHAPTER 35 AND 2022 CFC CHAPTER 80. SEE CHAPTER 80 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

PROJECT DESCRIPTION

APN: 077-0040-017 & 077-0030-025

THE OVERALL PROJECT WILL BE COMPLETED IN 2 PHASES. PHASE 1 INCLUDES INCREMENTS 1 AND 2 DESCRIBED BELOW. THIS DRAWING SET REFLECTS ONLY WORK INTENDED TO BE COMPLETED IN PHASE 1
PHASE 2 IS FUTURE SCOPE OF WORK, AND IS SHOWN FOR REFERENCE ONLY.

INCREMENT 1: INCLUDES SITE GRADING, UNDERGROUND UTILITY WORK, AND CONSTRUCTION OF PADS FOR ADMINISTRATION AND CLASSROOM BUILDINGS IN INCREMENT 2.

FOOTINGS OF EXISTING ADMINISTRATION BUILDING 'UNIT A' SHALL BE PROTECTED IN PLACE AND BE PROVIDED WITH SHORING/UNDERPINNING TO SUPPORT THOSE FOOTINGS THAT ARE LOCATED WITHIN THE AREA OF WORK.

INCREMENT 2: INCLUDES THE CONSTRUCTION OF A NEW 8,720 SQFT ADMINISTRATION BUILDING, A NEW 13,584 SQFT 10-CLASSROOM BUILDING, AND REMAINING SITEWORK, INCLUDING ASPHALT PAVING, CONCRETE PAVING, LANDSCAPE, UTILITY WORK COMPLETION, AND UPGRADE ANGLED ACCESSIBLE PARKING STALLS IN THE EAST LOT OF THE NEW ADMINISTRATION BUILDING

THIS INCREMENT ALSO INCLUDES THE DEMOLITION OF '(E) UNIT A' AFTER COMPLETION OF NEW BUILDINGS.

STATEMENT OF GENERAL CONFORMANCE

USE OF CONSTRUCTION DOCUMENTS PREPARED BY OTHER DESIGN PROFESSIONALS

STATEMENT OF GENERAL CONFORMANCE

Application No.: 02-123800

File No.: 34-19

The drawings identified as follows:

[X] All drawing sheets included in this set not bearing my stamp and signature.
[ ] Drawing sheets denoted in the sheet index as follows: _____
[ ] Drawing sheets included under the following PC approval(s): _____

have been prepared by other design professionals or consultants who are licensed and authorized to prepare such drawings (plans) in this state. They have been examined by me for:

1) Design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and

2) Coordination with my drawings (plans) and specifications and are acceptable for incorporation into the construction of this project.

Per Title 24, Part 1, Section 4-316(b): This Statement of General Conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344 of Title 24, Part 1.

Signature		03/16/2026 Date
Brian P. Whitmore	C30345	09/30/2027
Printed Name	License Number	Expiration Date

STATEMENT OF GENERAL CONFORMANCE AND SIGNATURE BLOCK PER IR A-18

INCREMENT 1 - DRAWING INDEX (FOR REFERENCE ONLY)

SHT. NO.	DESCRIPTION
GENERAL	
1A0.1	COVER SHEET
1A0.2	GENERAL NOTES
1A0.3	ARCHITECTURAL SYMBOLS AND ABBREVIATIONS
1A0.5	CODE ANALYSIS SITE PLAN
CIVIL	
1C0.0	CIVIL COVER SHEET
1C0.1	TOPOGRAPHIC SURVEY
1C1.1	DEMOLITION PLAN
1C1.2	ENGINEERED FILL PLAN
1C2.1	GRADING PLAN
1C3.1	UTILITY PLAN
1C5.1	DETAILS
1C6.1	EROSION CONTROL PLAN
ARCHITECTURAL	
1A1.2	SITE PLAN - PHASE 1.1
STRUCTURAL	
1S0.1	GENERAL NOTES, PARTIAL PLAN, & DETAILS
PLUMBING	
1P0.1	PLUMBING LEGEND, NOTES, & SCHEDULES
1P1.0	PLUMBING DEMOLITION SITE PLAN
1P1.1	PLUMBING PHASE 1 SITE PLAN
ELECTRICAL	
1E0.1	ABBREVIATIONS, SYMBOLS, & SHEET INDEX
1E1.1.1	ELECTRICAL SITE PLAN (PHASE 1A)
1E1.2.1	SIGNAL SITE PLAN (TEMPORARY RECONNECTIONS) - INC. 1
1E1.2.2	SITE SIGNAL DIAGRAMS
1E1.2.3	SIGNAL SITE PLAN - INC 1
1E1.2.4	SITE SIGNAL DIAGRAMS
1E3.1	ONE-LINE DIAGRAMS
1E10.1	DETAILS
1E10.2	DETAILS
1E10.3	DETAILS

TOTAL SHEET COUNT: 27

INCREMENT 2 - DRAWING INDEX

SHT. NO.	DESCRIPTION
GENERAL	
2A0.1	COVER SHEET
2A0.2	GENERAL NOTES
2A0.3	ARCHITECTURAL SYMBOLS AND ABBREVIATIONS
2A0.4	CALGREEN CHECKLIST
2A0.5	CODE ANALYSIS SITE PLAN
2A0.6	CODE ANALYSIS SITE PLAN - ENLARGED
2A0.7	CODE ANALYSIS FLOOR PLAN - ADMINISTRATION BLDG
2A0.8	CODE ANALYSIS FLOOR PLAN - CLASSROOM BUILDING
CIVIL	
2C0.0	CIVIL COVER SHEET
2C1.1	DEMOLITION PLAN
2C1.2	ENGINEERED FILL PLAN
2C2.1	GRADING PLAN
2C3.1	UTILITY PLAN
2C4.1	PAVING PLAN
2C5.1	DETAILS
2C6.1	EROSION CONTROL PLAN
LANDSCAPE	
2L1.0	LANDSCAPE COVER SHEET
2L2.0	IRRIGATION DETAILS
2L2.1	EXISTING VALVE MAP
2L2.2	IRRIGATION PLAN
2L2.3	IRRIGATION PLAN
2L3.0	PLANTING NOTES AND DETAILS
2L3.1	PLANTING PLAN
2L4.0	PLAY AREA DETAILS
2L4.1	PLAY AREA PLAN
ARCHITECTURAL	
2A1.1	SITE PLAN - PHASE 1 INC 2
2A1.3	ENLARGED SITE SCORING PLAN
2A1.4	SITE PLAN OVERALL PHASE 1 EXITING
2AA2.1	ADMIN BLDG - FLOOR PLAN
2AA2.2	ADMIN BLDG - EQUIPMENT PLAN
2AA2.3	ADMIN BLDG - FLOOR PATTERN PLAN
2AA2.4	ADMIN BLDG - SLAB FLOOR PLAN
2AA3.1	ADMIN BLDG - REFLECTED CEILING PLAN
2AA4.1	ADMIN BLDG - ROOF PLAN
2AA4.2	ADMIN BLDG - ENLARGED CANOPY PLANS
2AA5.1	ADMIN BLDG - EXTERIOR ELEVATIONS
2AA6.1	ADMIN BLDG - BUILDING SECTIONS
2AA6.2	ADMIN BLDG - WALL SECTIONS
2AA7.1	ADMIN BLDG - TOILET ROOM PLANS AND ELEVATIONS
2AA7.2	ADMIN BLDG - TOILET ROOM PLANS AND ELEVATIONS
2AA7.3	ADMIN BLDG - ENLARGED CASEWORK PLANS AND ELEVATIONS
2AA8.1	ADMIN BLDG - INTERIOR ELEVATIONS
2AA8.2	ADMIN BLDG - INTERIOR ELEVATIONS
2AA8.3	ADMIN BLDG - INTERIOR ELEVATIONS
2AA8.4	ADMIN BLDG - INTERIOR ELEVATIONS
2AB2.1	CLASSROOM BLDG - FLOOR PLAN
2AB2.2	CLASSROOM BLDG - EQUIPMENT PLAN
2AB2.3	CLASSROOM BLDG - FLOOR PATTERN PLAN
2AB2.4	CLASSROOM BLDG - SLAB FLOOR PLAN
2AB3.1	CLASSROOM BLDG - REFLECTED CEILING PLAN
2AB4.1	CLASSROOM BLDG - ROOF PLAN
2AB5.1	CLASSROOM BLDG - EXTERIOR ELEVATIONS
2AB6.1	CLASSROOM BLDG - BUILDING SECTIONS
2AB6.2	CLASSROOM BLDG - WALL SECTIONS
2AB7.1	CLASSROOM BLDG - TOILET ROOM PLANS AND ELEVATIONS
2AB7.2	CLASSROOM BLDG - TOILET ROOM PLANS AND ELEVATIONS
2AB8.1	CLASSROOM BLDG - INTERIOR ELEVATIONS
2AB8.2	CLASSROOM BLDG - INTERIOR ELEVATIONS
2AB8.3	CLASSROOM BLDG - INTERIOR ELEVATIONS
2A9.1	DOOR SCHEDULE
2A9.2	WINDOW SCHEDULE
2A9.3	ROOM FINISH SCHEDULE
2A10.1	WALL TYPES
2A10.2.1	SITE DETAILS
2A10.2.2	GATE SCHEDULE & SITE DETAILS
2A10.6	WOOD DETAILS
2A10.7.1	ROOF DETAILS
2A10.7.2	ROOF DETAILS
2A10.8.1	DOOR AND WINDOW DETAILS
2A10.8.2	DOOR AND WINDOW DETAILS
2A10.9.1	CEILING DETAILS
2A10.9.2	CEILING DETAILS - WOOD STRUCTURE
2A10.9.3	CEILING DETAILS
2A10.10.1	SPECIALTIES
2A10.10.2	SPECIALTIES
2A10.10.3	SPECIALTIES
2A10.12	CASEWORK DETAILS
STRUCTURAL	
2S0.1	GENERAL NOTES & DETAILS
2S1.0	ADMINISTRATION BUILDING - FOUNDATION PLAN
2S1.1	CLASSROOM 1 - FOUNDATION PLAN
2S2.0	ADMINISTRATION BUILDING - CEILING & CANOPY FRAMING PLAN
2S2.1	CLASSROOM 1 - CEILING FRAMING PLAN
2S3.0	ADMINISTRATION BUILDING - ROOF FRAMING PLAN
2S3.1	CLASSROOM 1 - ROOF FRAMING PLAN
2S4.0	SHEAR WALL SCHEDULE, HOLD DOWNS, ELEVATIONS, & DETAILS
2S5.0	FOUNDATION DETAILS
2S5.1	FOUNDATION DETAILS
2S7.0	ROOF FRAMING DETAILS
2S7.1	ROOF FRAMING DETAILS
2S7.2	ROOF FRAMING DETAILS
MECHANICAL	
2M0.1	MECHANICAL LEGEND, NOTES, & SCHEDULES
2M0.2	MECHANICAL SCHEDULES
2M0.3	MECHANICAL SCHEDULES
2M0.4	MECHANICAL SCHEDULES
2M0.5	MECHANICAL SCHEDULES
2MA2.1	MECHANICAL FLOOR PLAN ADMIN
2MA4.1	MECHANICAL ROOF PLAN ADMIN
2MA5.1	MECHANICAL PIPING FLOOR PLAN ADMIN
2MA5.2	VRF PIPING AND WIRING DIAGRAMS
2MA6.1	MECHANICAL SECTIONS ADMIN
2MA6.2	MECHANICAL SECTIONS ADMIN
2MA7.1	MECHANICAL ISOMETRIC ADMIN
2MB2.1	MECHANICAL FLOOR PLAN CLASSROOM - EAST
2MB2.2	MECHANICAL FLOOR PLAN CLASSROOM - WEST
2MB4.1	MECHANICAL ROOF PLAN CLASSROOM - EAST
2MB4.2	MECHANICAL ROOF PLAN CLASSROOM - WEST
2MB5.1	MECHANICAL PIPING FLOOR PLAN CLASSROOM - EAST
2MB7.1	MECHANICAL ISOMETRIC CLASSROOM
2M8.1	MECHANICAL CONTROLS
2M10.1	MECHANICAL DETAILS
2M10.2	MECHANICAL DETAILS
2M10.3	MECHANICAL DETAILS
PLUMBING	
2P0.1	PLUMBING LEGEND, NOTES, & SCHEDULES
2PA2.1	PLUMBING FLOOR PLAN ADMIN
2PA4.1	PLUMBING ROOF PLAN ADMIN
2PA7.1	ENLARGED PLUMBING FLOOR PLANS - ADMIN
2PA8.1	PLUMBING ISOMETRICS - ADMIN
2PB2.1	PLUMBING FLOOR PLAN CLASSROOM
2PB4.1	PLUMBING ROOF PLAN CLASSROOM
2PB7.1	ENLARGED PLUMNBING FLOOR PLANS - CLASSROOM
2PB8.1	PLUMBING ISOMETRICS - CLASSROOM
2P10.1	PLUMBING DETAILS
2P10.2	PLUMBING DETAILS
ELECTRICAL	
2E0.1	ABBREVIATIONS, SYMBOLS, & SHEET INDEX
2E0.2	TITLE 24
2E0.3	TITLE 24
2E0.4	TITLE 24
2E0.5	SCHEDULES - MECHANICAL, LUMINAIRE, & SEQUENCE OF OPERATIONS
2E0.6	NOTES
2E1.1.1	ELECTRICAL SITE PLAN (PHASE 1.2)
2E1.1.2	ELECTRICAL DEMOLITION POWER SITE PLAN (PHASE 1.2)
2E1.2.1	SIGNAL SITE PLAN (PHASE 1.2)
2E1.2.2	ELECTRICAL DEMOLITION SIGNAL SITE PLAN (PHASE 1.2)
2E2.1.1	OVERALL ELECTRICAL POWER PLAN - ADMINISTRATION
2E2.1.2	OVERALL ELECTRICAL ROOF PLAN - ADMINISTRATION
2E2.1.3	OVERALL ELECTRICAL LIGHTING PLAN - ADMINISTRATION
2E2.1.5	OVERALL ELECTRICAL SIGNAL PLAN - ADMINISTRATION
2E2.1.6	OVERALL ELECTRICAL FIRE ALARM PLAN - ADMINISTRATION
2E2.1.7	OVERALL ELECTRICAL FIRE ALARM RISER AND CALCS. ADMINISTRATION
2E2.1.8	ENLARGED POWER PLAN - ADMINISTRATION WEST
2E2.1.9	ENLARGED POWER PLAN - ADMINISTRATION EAST
2E2.1.10	ENLARGED LIGHTING PLAN - ADMINISTRATION WEST
2E2.1.11	ENLARGED LIGHTING PLAN - ADMINISTRATION EAST
2E2.1.12	ENLARGED ELECTRICAL & MDF - ADMINISTRATION
2E2.2.1	OVERALL ELECTRICAL POWER PLAN - CLASSROOM
2E2.2.2	OVERALL ELECTRICAL ROOF PLAN - CLASSROOM
2E2.2.3	OVERALL ELECTRICAL LIGHTING PLAN - CLASSROOM
2E2.2.5	OVERALL ELECTRICAL SIGNAL PLAN - CLASSROOM
2E2.2.6	OVERALL ELECTRICAL FIRE ALARM PLAN - CLASSROOM
2E2.2.7	OVERALL ELECTRICAL FIRE ALARM RISER AND CALCS - CLASSROOM
2E2.2.8	ENLARGED POWER PLAN - CLASSROOM WEST
2E2.2.9	ENLARGED POWER PLAN - CLASSROOM EAST
2E2.2.10	ENLARGED LIGHTING PLAN - CLASSROOM WEST
2E2.2.11	ENLARGED LIGHTING PLAN - CLASSROOM EAST
2E2.2.12	ENLARGED ELECTRICAL & IDF - CLASSROOM
2E3.1	ONE-LINE DIAGRAMS
2E3.2	SCHEDULES - PANELS
2E3.3	SITE DIAGRAMS
2E10.1	DETAILS
2E10.2	DETAILS
2E10.3	DETAILS
2E10.4	DETAILS
2E10.5	DETAILS
2E10.6	DETAILS
2E10.7	DETAILS
2E10.8	DETAILS
2E10.9	DETAILS
2E10.10	DETAILS
2PV10.1	PV WIRING DIAGRAM DETAILS
2PV10.2	PV DETAILS
2PV10.3	PV DETAILS
2PV10.4	PV LABELS
2PV10.5	PV CUTSHEETS
FIRE PROTECTION	
2FP0.1	FIRE SPRINKLER LEGENDS, NOTES, & SCHEDULES
2FP1.1	FIRE SPRINKLER SITE PLAN
2FPA2.1	FIRE SPRINKLER FLOOR PLAN ADMIN
2FPA3.1	FIRE SPRINKLER REFLECTED CEILING PLAN ADMIN
2FPB2.1	FIRE SPRINKLER FLOOR PLAN CLASSROOM
2FPB3.1	FIRE SPRINKLER REFLECTED FLOOR PLAN CLASSROOM
2FP6.1	FIRE SPRINKLER SECTIONS
2FP9.1	SEISMIC CALCULATIONS
2FP9.2	SEISMIC CALCULATIONS
2FP10.2.1	FIRE SPRINKLER DETAILS
2FP10.2.2	FIRE SPRINKLER DETAILS
TITLE 24	
2T24.1	TITLE 24 COMPLIANCE
2T24.2	TITLE 24 COMPLIANCE
2T24.3	TITLE 24 COMPLIANCE
2T24.4	TITLE 24 COMPLIANCE
2T24.5	TITLE 24 COMPLIANCE
2T24.6	TITLE 24 COMPLIANCE
2T24.7	TITLE 24 COMPLIANCE
2T24.8	TITLE 24 COMPLIANCE
2T24.9	TITLE 24 COMPLIANCE
2T24.10	TITLE 24 COMPLIANCE
2T24.11	TITLE 24 COMPLIANCE
2T24.12	TITLE 24 COMPLIANCE

TOTAL SHEET COUNT: 196

PROJECT DIRECTORY

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VICINITY MAP

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRIAN P. WHITMORE No. C 30345 Rev. 12/31/27 STATE OF CALIFORNIA	
DATE SIGNED: 07/13/2026	

GENERAL NOTES

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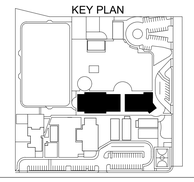
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

COVER SHEET

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2A0.1
Drawn / Checked	
RR / CG	

PRINT DATE: 7/13/2026 4:21:26 PM
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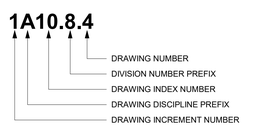
DRAWING DISCIPLINE PREFIX

A. ARCHITECTURAL
C. CIVIL
D. INTERIOR DESIGN / FURNITURE
E. ELECTRICAL
FA. FIRE ALARM
FP. FIRE PROTECTION / SPRINKLER SYSTEM
FS. FOOD SERVICE
L. LANDSCAPING
M. MECHANICAL
P. PLUMBING
S. STRUCTURAL
T. TECHNOLOGY

DRAWING INDEX CODE

A0. GENERAL INFORMATION
A1. SITE PLANS
A2. FLOOR PLANS
A3. REFLECTED CEILING PLANS
A4. ROOF PLANS
A5. EXTERIOR ELEVATIONS
A6. BUILDING SECTIONS
A7. ENLARGED PLANS
A8. INTERIOR ELEVATIONS
A9. SCHEDULES
A10. CONSTRUCTION DETAILS

DETAIL DRAWING CODE



THE DIVISION PREFIX NUMBERS ARE THOSE IDENTIFIED BY THE 48 DIVISION GROUPING SYSTEM OF MASTERFORMAT AS PUBLISHED BY THE CONSTRUCTION SPECIFICATIONS INSTITUTE (CSI) AND SHALL NOT BE SOLELY REPRESENTATIVE OF REQUIREMENTS FOR ANY ONE DIVISION. THOSE DIVISIONS NOTED AS BEING OMITTED ARE NOT APPLICABLE OR ARE INCLUDED UNDER DISCIPLINE DRAWINGS.

IN CASE OF DISCREPANCY BETWEEN THE INDEX AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.

DIVISION NUMBER CODE

MASTERFORMAT NUMBERS AND TITLES AS PUBLISHED BY THE CONSTRUCTION SPECIFICATIONS INSTITUTE (CSI).

DIVISION 00 PROCUREMENT AND CONTRACTING REQUIREMENTS
DIVISION 01 GENERAL REQUIREMENTS
DIVISION 02 EXISTING CONDITIONS
DIVISION 03 CONCRETE
DIVISION 04 MASONRY
DIVISION 05 METALS
DIVISION 06 WOODS, PLASTICS, AND COMPOSITES
DIVISION 07 THERMAL AND MOISTURE PROTECTION
DIVISION 08 OPENINGS
DIVISION 09 FINISHES
DIVISION 10 SPECIALTIES
DIVISION 11 EQUIPMENT
DIVISION 12 FURNISHINGS
DIVISION 13 SPECIAL CONSTRUCTION
DIVISION 14 CONVEYING EQUIPMENT
DIVISION 21 FIRE SUPPRESSION
DIVISION 22 PLUMBING
DIVISION 23 HEATING, VENTILATING, AND AIR CONDITIONING (HVAC)
DIVISION 25 INTEGRATED AUTOMATION
DIVISION 26 ELECTRICAL
DIVISION 27 COMMUNICATIONS
DIVISION 28 ELECTRONIC SAFETY AND SECURITY
DIVISION 31 EARTHWORK
DIVISION 32 EXTERIOR IMPROVEMENTS
DIVISION 33 UTILITIES
DIVISION 34 TRANSPORTATION
DIVISION 35 WATERWAY AND MARINE CONSTRUCTION
DIVISION 40 PROCESS INTERCONNECTIONS
DIVISION 41 MATERIAL PROCESSING AND HANDLING EQUIPMENT
DIVISION 42 PROCESS HEATING, COOLING, AND DRYING EQUIPMENT
DIVISION 43 PROCESS GAS AND LIQUID HANDLING, PURIFICATION, AND STORAGE EQUIPMENT
DIVISION 44 POLLUTION AND WASTE CONTROL EQUIPMENT
DIVISION 45 INDUSTRY-SPECIFIC MANUFACTURING EQUIPMENT
DIVISION 46 WATER AND WASTEWATER EQUIPMENT
DIVISION 48 ELECTRICAL POWER GENERATION

GENERAL NOTES

1. PRIOR TO SUBMITTING PROPOSAL, BIDDER SHALL EXAMINE CONSTRUCTION DRAWINGS AND SPECIFICATIONS AND SHALL HAVE VISITED THE CONSTRUCTION SITE. HE SHALL BE FAMILIAR WITH THE CONDITIONS UNDER WHICH HE WILL HAVE TO OPERATE AND WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THIS CONTRACT. THE GENERAL CONTRACTOR SHALL NOT DISPUTE, COMPLAIN OR ASSERT THAT THERE IS ANY MISUNDERSTANDING IN REGARDS TO LOCATION, EXTENT, NATURE OR AMOUNT OF WORK TO BE PERFORMED UNDER THIS CONTRACT DUE TO THE CONTRACTOR'S FAILURE TO INSPECT THE SITE. BIDDERS SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS, REQUIRING WORK, WHICH ARE NOT COVERED IN THE CONTRACT DOCUMENTS.
2. THERE WILL BE NO SUBSTITUTION FOR SPECIFIED ITEMS WITHOUT PRIOR APPROVAL UNLESS OTHERWISE NOTED. REQUESTS FOR SUBSTITUTIONS SHALL BE MADE IN ACCORDANCE WITH GENERAL CONDITIONS & DIVISION 1
3. THE GENERAL BUILDING CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS REQUIRED BY GOVERNING AGENCIES IN ORDER TO PERFORM WORK.
4. THE FINAL LOCATION OF ALL ELECTRICAL AND SIGNAL EQUIPMENT, PANEL BOARDS, FIXTURES, ETC., SHALL BE APPROVED BY OWNER PRIOR TO INSTALLATION.
5. DEFINITIONS
   A. "TYPICAL" MEANS IDENTICAL FOR ALL CONDITIONS, UNLESS OTHERWISE NOTED.
   B. "SIMILAR" MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITION NOTED. VERIFY DIMENSIONS AND ORIENTATIONS.
   C. "PROVIDE" MEANS TO FURNISH AND INSTALL.
   D. "FURNISH" MEANS TO FURNISH AND OTHERS WILL INSTALL.
6. DIMENSIONING RULES:
   A. ALL HORIZONTAL DIMENSIONS SHALL BE TO FACE OF STUD OR TO CENTERLINE OF COLUMN GRID LINE, U.O.N
   B. DIMENSIONS NOTED "CLEAR", "CLR", OR "MINIMUM" MUST BE PRECISELY MAINTAINED.
   C. DIMENSIONS CAN NOT BE MODIFIED WITHOUT APPROVAL OF THE ARCHITECT UNLESS OTHERWISE NOTED.
   D. VERTICAL DIMENSIONS ARE FROM TOP OF FLOOR SLAB UNLESS OTHERWISE NOTED.
   E. DO NOT SCALE DRAWINGS. IF ANY ITEM OF WORK CANNOT BE LOCATED, DO NOT PROCEED WITH THE WORK WITHOUT THE ARCHITECT'S APPROVAL.
   F. DIMENSIONS MARKED "V.I.F." OR "VERIFY" SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
   G. VERIFY ALL ROUGH OPENING DIMENSIONS FOR FABRICATED ITEMS WITH THE MANUFACTURER PRIOR TO PROCEEDING WITH CONSTRUCTION.
7. PROVIDE REQUIRED BACKING, BLOCKING, AND BRACING FOR ALL WALL - MOUNTED FIXTURES, ACCESSORIES AND EQUIPMENT.
8. VERIFY AND COORDINATE WALLS THAT MAY REQUIRE NON-TYPICAL THICKNESS OR FRAMING DUE TO ELECTRICAL, MECHANICAL, PLUMBING, STRUCTURAL AND/OR EQUIPMENT REQUIREMENTS.
9. ALL GLAZING SHALL CONFORM TO FEDERAL GLAZING REGULATIONS AND CHAPTER 24, CBC.
10. ALL CONTRACTORS SHALL REMOVE TRASH AND DEBRIS STEMMING FROM THEIR WORK ON A DAILY BASIS. PROJECT SITE SHALL BE MAINTAINED IN A CLEAN AND ORDERLY CONDITION.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL LEFT-OVER MATERIALS, DEBRIS, TOOLS AND EQUIPMENT INVOLVED IN HIS OPERATIONS AT THE CONCLUSION OF THE INSTALLATION. HE SHALL LEAVE ALL AREAS CLEAN AND FREE FROM DUST.
12. HAZARDOUS MATERIALS: THE ARCHITECT AND THE ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL, DISPOSAL OR EXPOSURE OF PERSONS TO ASBESTOS OR HAZARDOUS OR TOXIC SUBSTANCES IN ANY FORM AT THE PROJECT SITE. PROFESSIONAL SERVICES RELATED OR IN ANY WAY CONNECTED WITH THE INVESTIGATION, DETECTION, ABATEMENT, REPLACEMENT, USE, SPECIFICATION, OR REMOVAL OF PRODUCTS, MATERIALS, OR PROCESSES CONTAINING ASBESTOS OR HAZARDOUS OR TOXIC MATERIALS ARE BEYOND THE SCOPE OF THIS AGREEMENT.
13. THE GENERAL CONTRACTOR & SUBCONTRACTORS ARE RESPONSIBLE FOR LOCATING & VERIFYING ALL EXISTING UNDERGROUND UTILITIES IN ALL AREAS OF NEW WORK PRIOR TO COMMENCEMENT OF EXCAVATION. EXISTING UTILITIES SHOWN ON THE DRAWING ARE APPROXIMATE ROUTING LOCATION AS BEST DETERMINED FROM EXISTING DRAWINGS AND THE SCHOOL DISTRICT, BUT SHOULD NOT BE CONSTRUED TO REPRESENT ALL THE EXISTING UNDERGROUND UTILITIES.
14. ALL TEMPORARY WORK SHALL BE CONSIDERED A PART OF THIS CONTRACT AND NO EXTRA CHARGES WILL BE ALLOWED. THIS SHALL INCLUDE MINOR ITEMS OF MATERIAL OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS AND INTENT OF THE PROJECT
15. ALL WALL PENETRATIONS TO EXTERIOR WALLS SHALL BE SEALED AIR/WATER TIGHT. ALL INTERIOR PENETRATIONS SHALL BE SEALED TO PROVIDE A PROFESSIONAL AND FINISHED APPEARANCE.
16. THE DRAWINGS AND SPECIFICATIONS DO NOT UNDERTAKE TO SHOW OR LIST EVERY ITEM TO BE PROVIDED, BUT RATHER TO DEFINE THE REQUIREMENTS FOR A FULL AND WORKING SYSTEM FROM THE STANDPOINT OF THE END USER. FOR THIS REASON, WHEN AN ITEM NOT SHOWN OR LISTED IS CLEARLY NECESSARY FOR PROPER USE CONTROL/ OPERATION OF EQUIPMENT WHICH IS SHOWN OR LISTED, PROVIDE ALL ITEMS WHICH WILL ALLOW THE SYSTEM TO FUNCTION PROPERLY AT NO INCREASE IN CONTRACT PRICE OR TIME.
17. THE DETAILS REFLECT THE DESIGN INTENT FOR TYPICAL CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND SHALL INCLUDE, IN HIS SCOPE. THE COST FOR COMPLETE FINISHED INSTALLATIONS, INCLUDING ANOMALIES, OF ALL TRADES.
18. ALL WORK SHALL CONFORM TO CALIFORNIA CODES, TRADE STANDARDS WHICH GOVERN EACH PHASE OF THE PROJECT, AND ALL APPLICABLE LOCAL CODES AND AUTHORITIES HAVING JURISDICTION.
19. THIS DRAWING SET SHALL BE USED IN CONJUNCTION WITH THE CSI FORMAT PROJECT MANUAL PUBLISHED IN BOOK FORM, COMBINED, THEY ARE THE "CONTRACT DOCUMENTS".
20. NO WORK SHALL COMMENCE WITH UNAPPROVED MATERIALS. ANY WORK DONE WITH UNAPPROVED MATERIALS AND EQUIPMENT IS AT THE CONTRACTOR'S RISK. SEE SPECIFICATIONS FOR SUBMITTAL AND SUBSTITUTION REQUIREMENTS.
21. CONSTRUCTION MATERIAL STORED ON THE SITE SHALL BE PROPERLY STACKED AND PROTECTED TO PREVENT DAMAGE OR DETERIORATION. FAILURE IN THIS REGARD MAY BE CAUSE FOR REJECTION OF MATERIAL AND/OR WORK. SECURITY OF MATERIALS ARE THE SOLE RESPONSIBILITY OF CONTRACTOR.
22. ALL EQUIPMENT/CABINETS SHALL BE FABRICATED FROM FIELD VERIFIED DIMENSIONS AND APPROVED SHOP DRAWINGS. COORDINATE MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT WITH THIS WORK.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE AND COSTS ATTRIBUTED TO RAIN WATER DAMAGE DURING THE DURATION OF THIS PROJECT.
24. PROTECT AREAS FROM DAMAGE WHICH MAY OCCUR DUE TO TEMPERATURES, WIND, DUST, WATER, ETC. PROVIDE AND MAINTAIN TEMPORARY BARRICADES, CLOSURE WALLS, ETC., AS REQUIRED DURING CONSTRUCTION.
25. MAINTAIN EXISTING PEDESTRIAN ACCESS ALONG EXISTING ADJACENT STREETS.
26. ALL PUBLIC IMPROVEMENTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST ADOPTED CITY/COUNTY STANDARDS.
27. ALL TYPICAL DETAILS SHALL APPLY UNLESS NOTED OTHERWISE.
28. NOTIFY THE ARCHITECT IN WRITING AND SEEK CLARIFICATION IF ANY DISCREPANCIES OR OMISSIONS ARE FOUND. CONTRACTOR SHALL BE RESPONSIBLE FOR REMEDIAL WORK IF RELATED WORK IS CONTINUED AFTER A DISCREPANCY IS IDENTIFIED.
29. NEW FINISHES AND CONSTRUCTION SHALL BE PROTECTED BY THE CONTRACTOR FROM POTENTIAL DAMAGE CAUSED BY CONSTRUCTION ACTIVITY. DAMAGE TO FINISHES OR CONSTRUCTION SHALL BE REPAIRED OR REPLACED (OWNER'S DECISION) BY THE CONTRACTOR WITH IDENTICAL MATERIAL AND/OR FINISHES. CONTRACTOR SHALL MAKE AND MAINTAIN A PHOTOGRAPHIC RECORD NOTEBOOK WITH DATED/INDEXED PHOTOGRAPHS.
30. SEE ELECTRICAL DRAWINGS FOR INFORMATION RELATED TO TELECOMMUNICATION EQUIPMENT, POWER, AND LIGHTING FIXTURES AND EQUIPMENT. SEE ARCHITECTURAL PLANS, REFLECTED CEILING PLAN AND INTERIOR ELEVATIONS FOR COORDINATED EQUIPMENT LOCATIONS. IF NOT SHOWN, CONTACT ARCHITECT FOR REVIEW AND DECISION.
31. PROVIDE ACCESS DOORS REQUIRED FOR ACCESS TO CONCEALED MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.
32. ALL NOTED WORK IS UNDERSTOOD TO BE NEW, UNLESS LABELED AS "(E)" OR "EXISTING".

SUPPLEMENTAL GENERAL NOTES

1. THESE DRAWINGS DO NOT CONTAIN THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
2. LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE AND CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID INTERCEPTING EXISTING PIPING OR CONDUITS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREIN OR NOT AND TO PROTECT THEM FROM DAMAGE. THE ARCHITECT IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY ANY OTHER CONTRACT. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD ANY UNIDENTIFIED CONDITIONS BE DISCOVERED. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE EXECUTION OF THIS WORK.
3. THESE DOCUMENTS AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, ARE THE PROPERTY OF STUDIO W ARCHITECTS, AND ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF STUDIO W ARCHITECTS.
4. EACH BIDDER SHALL POSSESS AT THE TIME OF BID, A CLASS B OR THE APPROPRIATE CLASS C CONTRACTOR'S LICENSE PURSUANT TO PUBLIC CONTRACT CODE SECTION 3300 AND BUSINESS AND PROFESSIONS CODE SECTION 7028.15. THE SUCCESSFUL BIDDER MUST MAINTAIN THE LICENSE THROUGHOUT THE DURATION OF THIS CONTRACT.
5. FIRE SAFETY DURING CONSTRUCTION & DEMOLITION:
   A. GENERAL: FIRE SAFETY DURING CONSTRUCTION & DEMOLITION SHALL COMPLY WITH 2019 CALIFORNIA FIRE CODE (CFC) CH. 33 (PART 9, TITLE 24 CCR)
   B. CONSTRUCTION SAFEGUARDS: SHALL COMPLY WITH APPLICABLE PROVISIONS OF CBC 3302.
   C. DEMOLITION: SHALL COMPLY WITH APPLICABLE PROVISIONS OF CBC 3303.
   D. BUILDING ACCESS: ACCESS TO BUILDINGS FOR THE PURPOSE OF FIREFIGHTING SHALL BE PROVIDED. CONSTRUCTION MATERIAL SHALL NOT BLOCK ACCESS TO BUILDINGS, HYDRANTS OR FIRE APPLIANCES PER CBC 3308.1.
   E. MEANS OF EGRESS: SHALL COMPLY WITH APPLICABLE PROVISIONS OF CBC 3310.
   F. WATER SUPPLY: APPROVED WATER SUPPLY SHALL BE MADE AVAILABLE IN ACCORDANCE WITH CBC 3313.
   G. FIRE WATCH: MAINTAIN FIRE WATCH WHEN REQUIRED BY THE BUILDING OFFICIAL AND WHEN EXISTING FIRE PROTECTION SYSTEMS ARE SHUT DOWN FOR ALTERATIONS. FIRE WATCH SHALL REMAIN IN EFFECT UNTIL EXISTING FIRE PROTECTION SYSTEMS ARE RETURNED TO SERVICE OR AS ALLOWED BY THE BUILDING OFFICIAL PER CBC 3314.
6. PENETRATIONS IN FIRE RATED MATERIALS OR ASSEMBLIES SHALL BE RESTORED TO EQUAL RATING. FIRE STOP SYSTEMS AS LISTED BY UNDERWRITERS LABORATORIES SHALL BE INSTALLED PER FIRE RESISTANCE DIRECTORY. FIRE STOP SYSTEMS SHALL BE AS SPECIFIED.
7. NONRESIDENTIAL ENERGY STANDARDS COMPLIANCE STATEMENT (TITLE 24, PART 6):
   A. THE DESIGN INDICATED HEREIN COMPLIES WITH THE REQUIREMENTS OF THE ENERGY CONSERVATION STANDARDS OF TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS. THE PROPOSED BUILDINGS WILL BE IN COMPLIANCE WITH THE ENERGY CONSERVATION STANDARDS PROVIDED THEY ARE BUILT ACCORDING TO THESE DRAWINGS AND SPECIFICATIONS AND PROVIDED ANY FUTURE IMPROVEMENTS ARE COMPLETED ACCORDING TO THE REQUIREMENTS OF TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS. THESE DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED TO INCLUDE ALL SIGNIFICANT ENERGY CONSERVATION FEATURES REQUIRED FOR COMPLIANCE WITH THE STANDARDS. BUILDING AREAS THAT ARE UNCONDITIONED AND/OR NOT SUBJECT TO THE STANDARDS ARE INDICATED ON THE DRAWINGS.
   B. ENVELOPE MANDATORY MEASURES:
      A. INSTALLED INSULATING MATERIALS SHALL HAVE BEEN CERTIFIED BY THE MANUFACTURER TO COMPLY WITH THE CALIFORNIA QUALITY STANDARDS FOR INSULATING MATERIAL.
      B. ALL INSULATING MATERIALS SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF TITLE 24, PART 2, CALIFORNIA CODE OF REGULATIONS, SECTIONS 719
      C. ALL EXTERIOR JOINTS AND OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL AND OBSERVABLE SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHERSTRIPPED OR OTHERWISE SEALED.
      D. SITE CONSTRUCTED DOORS, WINDOWS, AND SKYLIGHTS SHALL BE CAULKED BETWEEN THE UNIT AND THE BUILDING, AND SHALL BE WEATHERSTRIPPED (EXCEPT FOR UNFRAMED GLASS DOORS AND FIRE DOORS).
      E. MANUFACTURED DOORS AND WINDOWS INSTALLED SHALL HAVE AIR INFILTRATION RATES CERTIFIED BY THE MANUFACTURER IN ACCORDANCE WITH TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS, SECTION 116(a)1.
      F. MANUFACTURED FENESTRATION PRODUCTS IN THE ENVELOPE OF THE BUILDING, INCLUDING, BUT NOT LIMITED TO, WINDOWS, SLIDING GLASS DOORS, FRENCH DOORS, SKYLIGHTS, CURTAIN WALLS, AND GARDEN WINDOWS MUST BE LABELED FOR U-VALUE IN ACCORDANCE WITH THE (NFRC) NATIONAL FENESTRATION RATING COUNCIL'S INTERIM U-VALUE RATING PROCEDURE.
      G. DEMISING WALL INSULATION SHALL BE INSTALLED IN ALL OPAQUE PORTIONS OF FRAMED WALLS (EXCEPT DOORS).
8. PROOF LOAD TESTS FOR EXPANSION TYPE ANCHOR BOLTS:
   A. ANCHOR DIAMETER REFERS TO THE THREAD SIZE FOR THE WEDGE CATEGORY AND TO THE ANCHOR OUTSIDE DIAMETER FOR THE SLEEVE CATEGORY.
   B. APPLY PROOF TEST LOADS TO WEDGE & SLEEVE ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. IF NOT, REMOVE NUT AND INSTALL A THREADED COUPLER TO THE SAME TIGHTNESS OF THE ORIGINAL NUT USING A TORQUE WRENCH AND APPLY LOAD.
   C. FOR SLEEVE INTERNALLY THREADED CATEGORIES, VERIFY THAT THE ANCHOR IS NOT PREVENTED FROM WITHDRAWING BY A BASEPLATE OR OTHER FIXTURES. IF RESTRAINT IS FOUND, LOOSEN AND SHIM OR REMOVE FIXTURE(S) PRIOR TO TESTING.
   D. REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING BY THE FIXTURE(S).
   E. TEST EQUIPMENT IS TO BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES.
   F. THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:
      1. HYDRAULIC RAM METHOD: THE ANCHOR SHOULD HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD. FOR WEDGE AND SLEEVE TYPE ANCHORS, A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER UNDER THE NUT BECOMES LOOSE. DROP-IN ANCHORS ARE ONLY TO BE TESTED WITH THIS METHOD.
      2. TORQUE WRENCH METHOD: THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN THE FOLLOWING LIMITS: WEDGE OR SLEEVE TYPE: ONE-HALF (1/2) TURN OF THE NUT. ONE-QUARTER (1/4) TURN OF THE NUT FOR THE 3/8 IN. SLEEVE ANCHOR ONLY.
   G. TESTING SHOULD OCCUR 24 HOURS MINIMUM AFTER INSTALLATION OF THE SUBJECT ANCHORS.
   H. ALL ANCHOR BOLTS OF THE EXPANSION TYPE (LOADED IN EITHER PULLOUT OR SHEAR) SHALL HAVE 50 PERCENT OF THE BOLTS (ALTERNATE BOLTS IN ANY GROUP ARRANGEMENT ALLOWED BY THE TYPE OF SUBSTRATE AND DIAMETER OF BOLT LISTED BELOW UNDER TEST VALUES TABLE) PROOF TESTED IN TENSION TO TWICE THE ALLOWABLE TENSION LOAD. IF THERE ARE ANY FAILURES, THE IMMEDIATELY ADJACENT BOLTS MUST THEN ALSO BE TESTED. TESTING SHALL BE PERFORMED IN ACCORDANCE WITH TITLE 24, PART 2, SECTION 1910A.5, "TESTS FOR POST-INSTALLED ANCHORS IN CONCRETE."
   I. ALL BOLTS MUST HAVE ICC APPROVAL.
   J. ALL ANCHOR BOLTS OF THE EXPANSION TYPE SHALL BE ONE OF THE FOLLOWING:
      1. HILTI KB-TZ2 ANCHOR ICC NO. ESR 4266

MINIMUM TEST VALUES			
NORMAL WEIGHT OR LIGHTWEIGHT CONCRETE			
CARBON STEEL ANCHOR	WEDGE		
DIA. (IN)	TENSION LOAD (LBS)	TORQUE (FT-LBS)	EFFECTIVE MIN. EMBEDMENT
3/8	6,490	30	1 1/2" - 2 1/2"
1/2	11,240	50	1 1/2" - 3 1/4"
5/8	17,535	40	2 3/4" - 4"
3/4	25,335	110	3 1/4" - 4 3/4"

9. POWDER-DRIVEN CONCRETE FASTENERS:
   A. GENERAL: USE OF POWDER DRIVEN CONCRETE FASTENERS FOR TENSION LOADS IS LIMITED TO SUPPORT OF MINOR LOADS LIKE ACOUSTICAL CEILINGS, DUCT WORK, CONDUIT.
   B. ALLOWABLE LOADS: IN GENERAL, LOADS SHOULD BE LIMITED TO LESS THAN 100 POUNDS. HOWEVER GREATER LOADS MAY BE PERMITTED FOR SPECIAL CASES WHEN APPROVED BY THE CHECKING SUPERVISOR OR FIELD ENGINEER.
   C. TESTING: THE OPERATOR, TOOL, AND FASTENER SHALL BE PREQUALIFIED BY THE PROJECT INSPECTOR. HE SHALL OBSERVE THE TESTING OF THE FIRST 10 FASTENER INSTALLATIONS. A TEST "PULL-OUT" LOAD OF NOT LESS THAN TWICE THE DESIGN LOAD, OR 200 POUNDS, WHICHEVER IS GREATER, SHALL BE APPLIED TO THE PIN IN SUCH A MANNER AS NOT TO RESIST THE SPALLING TENDENCY OF THE CONCRETE SURROUNDING THE PIN. THEREAFTER, RANDOM TESTS UNDER THE PROJECT INSPECTOR'S SUPERVISION SHALL BE MADE OF APPROXIMATELY 1 IN 10 PINS, EXCEPT THAT WHEN THE DESIGN LOAD EXCEEDS 100 POUNDS, ONE HALF OF THE PINS SHALL BE TESTED. SHOULD FAILURE OCCUR ON ANY PIN TESTED, ALL INSTALLATIONS MUST BE TESTED AND UNFAIR PINS REPLACED.
   D. ALL POWDER DRIVEN CONCRETE FASTENERS SHALL BE ONE OF THE FOLLOWING: HILTI, INC.
      1. 0.145 DIA. PAF X-CR INTO STEEL BASE MATERIAL - ICC NO. ESR 1663
      2. 0.138 DIA. PAF X-CR INTO CONCRETE BASE MATERIAL - ICC NO. ESR 1663

ACCEPTANCE TESTING

THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.

LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).

MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.

ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.

A LISTING OF CERTIFIED ATT CAN BE FOUND AT: HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE.

THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.

PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

EMERGENCY RESPONDER RADIO COVERAGE

ARCHITECT OF RECORD (AOR) SHALL CONTACT THE LOCAL FIRE DEPARTMENT AND/OR EMERGENCY COMMUNICATIONS AUTHORITY TO OBTAIN DESIGN AND EQUIPMENT SPECIFICATIONS, AND TESTING AND ACCEPTANCE CRITERIA. IT IS THE RESPONSIBILITY OF THE DESIGN PROFESSIONAL / AOR TO SUBMIT PLANS AND REQUESTED DOCUMENTATION, AND APPLICABLE FEES, TO THE LOCAL AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL. UPON COMPLETION, COPIES OF THE APPROVED PLANS, EQUIPMENT DATA SHEETS, AND PROOF OF TESTING AND ACCEPTANCE DOCUMENTATION SHALL BE PROVIDED TO THE SCHOOL DISTRICT. THE PROJECT INSPECTORS SHALL VERIFY THAT DOCUMENTATION IS PROVIDED TO THE SCHOOL DISTRICTS.

OWNER FURNISHED ITEMS

ITEMS LISTED BELOW ARE OWNER FURNISHED, **CONTRACTOR** INSTALLED.

TOILET ACCESSORIES
- TOILET PAPER DISPENSERS
- TOILET SEAT COVER DISPENSERS
- SANITARY NAPKIN DISPENSERS
- HAND SOAP DISPENSERS
- PAPER TOWEL DISPENSERS (MANUAL ONLY - ELECTRIC PAPER TOWEL DISPENSERS AND ELECTRIC PAPER TOWEL/TRASH RECEPTACLE COMBO UNITS TO BE CFCI)

EQUIPMENT
- FULL SIZE REFRIGERATORS
- UNDER-COUNTER REFRIGERATORS
- MICROWAVES

TECHNOLOGY
- TVS AND TV BRACKETS
- SHORT THROW PROJECTORS
- AV CONTROLLERSWAPS
- SPEAKERS
- CLOCKS

ITEMS LISTED BELOW ARE OWNER FURNISHED, **OWNER** INSTALLED AND MAY OR MAY NOT BE SHOWN IN THESE DOCUMENTS AND ARE LISTED HERE FOR REFERENCE ONLY.

- FURNITURE
- RECYCLING BINS
- PRINTERS

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

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DATE SIGNED: 07/13/2026

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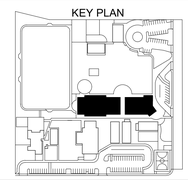
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

GENERAL NOTES

Date 07/13/2026
Project Number 25010.1
Application Number 02-123800
Drawing Number 2A0.2
Drawn RR
Checked CG

PRINT DATE: 7/13/2026 2:21:27 PM
FILE PATH: Autodesk Docs://25010 FOUSD Cordova Villa ES Mod/25010.1 - FOUSD Cordova Villa ES Mod - Phase 1.rvt

ARCHITECTURAL DRAWING ABBREVIATIONS

#	POUND OR NUMBER
&	AND
*	ITEMS IDENTIFIED AS "NIC" ARE NOT PART OF THIS DSA APPROVAL
2X	NOMINAL LUMBER SIZE (4X, 6X, 8X, ETC.)
@	AT
⊥	PERPENDICULAR
A	
A/C	AIR CONDITIONING
A/E	ARCHITECT/ENGINEER
AB	ANCHOR BOLT
ABAN	ABANDON
ABC	AGGREGATE BASE COURSE
ABV	ABOVE
AC	ASPHALTIC CONCRETE
ACC	ACCESS(IBLE)
ACP	ALUMINUM COMPOSITE PANEL
ACST	ACOUSTICAL
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADDM	ADDENDUM
ADH	ADHESIVE
ADJ	ADJUSTABLE
ADJC	ADJACENT
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISHED GRADE
AGGR	AGGREGATE
AHU	AIR HANDLING UNIT
ALS	ASSISTED LISTENING SYSTEM
ALT	ALTERNATE
ALUM./AL.	ALUMINUM
ANC	ANCHOR, ANCHORAGE
APLD	APPLIED
APPRX	APPROXIMATELY
ARCH	ARCHITECT(URAL)
ASC	ABOVE SUSPENDED CEILING
ASF	ABOVE STAGE FINISH
ASPH	ASPHALT
ASSY	ASSEMBLY
ASYM	ASYMMETRICAL
AUTO	AUTOMATIC
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
B	
B	BOLT
BC	BACK OF CURB
BD	BOARD
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BLW	BELOW
BLW CLG	BELOW CEILING
BLW FFLR	BELOW FINISH FLOOR
BM	BENCH MARK
BN	BOUNDARY NAILING
BO	BOTTOM OF
BOT	BOTTOM
BRCG	BRACING
BRDG	BRIDGING
BRG	BEARING
BRK	BRICK
BRKT	BRACKET
BRS	BRASS
BRZ	BRONZE
BS	BOTH SIDES
BSMT	BASEMENT
BTWN	BETWEEN
BUR	BUILT UP ROOFING
BW	BOTH WAYS
C	
C&G	CURB AND GUTTER
CAB	CABINET
CAD	CADMIUM
CB	CATCH BASIN
CBB	CEMENTITIOUS BACKER BOARD
CBC	CALIFORNIA BUILDING CODE
CEM	CEMENT
CER	CERAMIC
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFLG	COUNTERFLASHING
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CG	CORNER GUARD
CHBD	CHALKBOARD
CHFR	CHAMFER
CI	CAST IRON
CIP	CAST IN PLACE
CIR	CIRCLE
CIRC	CIRCULAR, CIRCUMFERENCE
CJ	CONSTRUCTION JOINT
CL	CHAIN LINK OR CENTER LINE
CLG	CEILING
CLJ	CONTROL JOINT
CLKG	CAULKING
CLL	CONTRACT LIMIT LINE
CLOS	CLOSURE
CLR	CLEAR(ANCE)
CLRM	CLASSROOM
CMP	CORRUGATED METAL PANEL
CMPST	COMPOSITION
CMU	CONCRETE MASONARY UNIT
CNCL	CONCEALED
CNR	CORNER
CNTR	COUNTER
COL	COLUMN
COM	COMMON
COMB	COMBINATION
COMP	COMPOSITE
COMPT	COMPARTMENT
CONC	CONCRETE
CONF	CONFERENCE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS, CONTINUATION
CONTR	CONTRACT(OR)
COORD	COORDINATE
CORR	CORRIDOR
CPR	COPPER
CPRS	COMPRESS(ED), (ION), (IBLE)
CPT	CARPET
CRS	COLD ROLLED STEEL
CS	CAST STONE
CSG	CASING
CSK	COUNTERSUNK
CSMT	CASEMENT
CSWK	CASEWORK
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CTF	CERAMIC TILE FLOOR
CTG	COATING
CTR	CENTER
CUFT	CUBIC FOOT
CUIN	CUBIC INCH
CUST	CUSTODIAN
CUYD	CUBIC YARD
CW	CURTAIN WALL
D	
D	DRAIN
d.	PENNYWEIGHT (NAILS)
DA	DOUBLE ACTING
DBL	DOUBLE
DEG	DEGREES
DEMO	DEMOLISH, DEMOLITION
DEP	DEPRESSED
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DG	DECOMPOSED GRANITE
DH	DOUBLE HUNG
DIA	DIAMETER
DIAG	DIAGONAL
DIFF	DIFFUSER
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DMPF	DAMPPROOFING
DMT	DEMOUNTABLE
DN	DOWN
DR	DOOR
DRB	DRAINBOARD
DRLV	DOOR LOUVER
DS	DOWNSPOUT
DSP	DRY STANDPIPE
DT	DRAIN TILE
DVTL	DOVETAIL
DW	DISHWASHER
DWG	DRAWING
DWL	DOWEL
DWR	DRAWER
E	
(E)	EXISTING
E	EAST
EA	EACH
EAR	EXHAUST AIR REGISTER
EB	EXPANSION BOLT
EE	EACH END
EF	EACH FACE
EFS	EXTERIOR FINISH SYSTEM
EHD	ELECTRIC HAND DRYER
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELAST	ELASTOMERIC
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EM	EXPANDED METAL
EMER	EMERGENCY
EN	EDGE NAILING
ENCL	ENCLOSE(URE)
ENGR	ENGINEER
ENTR	ENTRANCE
EP	ELECTRICAL PANELBOARD
EQ	EQUAL
EQUIP	EQUIPMENT
ESC	ESCUTCHEON
ESCL	ESCALATOR
ESMT	EASEMENT
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EWS	EYE WASH STATION
EXC	EXCAVATE
EXH	EXHAUST
EXP	EXPOSED
EXPN	EXPANSION
EXS	EXTRA STRONG
EXT	EXTERIOR
F	
(F)	FUTURE
F/F	FACE TO FACE
FA	FIRE ALARM
FAB	FABRIC
FBD	FIBERBOARD
FBRK	FIRE BRICK
FCBRK	FACE BRICK
FD	FLOOR DRAIN
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FFEL	FINISHED FLOOR ELEVATION
FFL	FINISHED FLOOR LINE
FGL	FIBERGLASS
FHC	FIRE HOUSE CABINET
FHMB	FLAT HEAD MACHINE BOLT
FHMS	FLAT HEAD MACHINE SCREW
FHWS	FLATHEAD WOOD SCREW
FIN	FINISH(ED)
FJT	FLUSH JOINT
FLASH	FLASHING
FLDG	FOLDING
FLG	FLOORING
FLR	FLOOR
FLUOR	FLUORESCENT
FN	FIELD NAILING
FOB	FACE OF BLOCK
FOC	FACE OF CONCRETE/CURB
FOF	FACE OF FINISH
FOG	FACE OF GRID
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FPL	FIREPLACE
FPRF	FIREPROOF(ING)
FR	FRAME(D), (ING)
FRG	FIBERGLASS REINFORCED GYPSUM
FRP	FIBERGLASS REINFORCED PLASTIC
FRTW	FIRE RETARDANT TREATED WOOD
FRZ	FREEZER
FS	FIRE SPRINKLER
FS	FAR SIDE
FSTN	FASTEN, FASTENER
FT	FOOT/FEET
FTG	FOOTING
FURG	FURRED, (ING)
FWC	FABRIC WALL COVERING
G	
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GB	GRAB BAR
GFRC	GLASS FIBER REINFORCED CONCRETE
GI	GALVANIZED IRON
GL	GLASS
GLULAM	GLUE LAMINATED
GLZ	GLAZING
GLZCMU	GLAZED CONRETE MASONRY UNIT
GND	GROUND
GPC	GYPSUM PLASTER CEILING
GR	GRADE
GRBM	GRADE BEAM
GRLN	GRADE LINE
GSB	GYPSUM SHEATHING BOARD
GSM	GALVANIZED SHEET METAL
GSS	GALVANIZED STEEL SHEET
GST	GLAZED STRUCTURAL TILE
GT	GROUT
GVL	GRAVEL
GYP	GYPSUM
GYP BD	GYPSUM BOARD
H	
HB	HOSE BIB
HC	HOLLOW CORE
HD	HEAVY DUTY
HDAS	HEADED ANCHOR STUD
HDJT	HEAD JOINT
HDR	HEADER
HDW	HARDWARE
HDWD	HARDWOOD
HEX	HEXAGONAL
HGR	HANGER
HLDN	HOLD DOWN
HM	HOLLOW METAL
HMD	HOLOW METAL DOOR
HMDF	HOLLOW METAL DOOR AND FRAME
HMF	HOLLOW METAL FRAME
HNDRL	HANDRAIL
HORIZ	HORIZONTAL
HPT	HIGH POINT
HR	HOUR
HT	HEIGHT
HTG	HEATING
HVAC	HEATING, VENTILATING, AIR CONDITIONING
HWH	HOT WATER HEATER
I	
ID	INSIDE DIAMETER
IN	INCH
INCL	INCLUDE(D), (ING)
INFO	INFORMATION
INSTL	INSTALL
INSUL	INSULATE(D), (ION)
INT	INTERIOR
INV	INVERT
IPS	IRON PIPE SIZE
ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY
J	
JAN	JANITOR
JST	JOIST
JT	JOINT
K	
KIT	KITCHEN
KO	KNOCKOUT
KPL	KICKPLATE
L	
LAB	LABORATORY
LAD	LADDER
LAM	LAMINATE
LAV	LAVATORY
LB(S)	POUND(S)
LBL	LABEL
LBR	LUMBER
LDR	LEADER
LF	LINEAL FOOT
LG	LENGTH, LONG
LH	LEFT HAND
LHR	LEFT HAND REVERSE
LKNT	LOCKNUT
LKR	LOCKER
LKWASH	LOCKWASHER
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LMST	LIMSTONE
LNSCP	LANDSCAPE(D)
LNTL	LINTEL
LP	LIGHTPROOF
LPT	LOW POINT
LT	LIGHT
LTWT	LIGHTWEIGHT
LV	LOUVER VENT
LVL	LEVEL(ER)
LWC	LIGHTWEIGHT CONCRETE
LWIC	LIGHTWEIGHT INSULATING CONCRETE
M	
MAINT	MAINTAIN(ANCE)
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MBR	MEMBER
MC	MEDICINE CABINET
MCB	METAL CORNER BEAD
MDO	MEDIUM DENSITY OVERLAID
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFD	METAL FLOOR DECKING
MFR	MANUFACTUR(ER)
MH	MANHOLE
MIN	MINIMUM
MIRR	MIRROR
MISC	MISCELLANEOUS
ML	METAL LATH
MLDG	MOLDING
MLWK	MILLWORK
MO	MASONRY OPENING
MOD	MODULE(AR)
MR	MOISTURE RESISTANT
MRB	MARBLE
MRD	METAL ROOF DECKING
MS	MACHINE SCREW
MTD	MOUNTED
MTL	METAL
MTR	MORTAR
MULL	MULLION
N	
(N)	NEW
N	NORTH
NAT	NATURAL
NCOMBL	NONCOMBUSTIBLE
NE	NOT EXCEEDING
NF	NEAR FACE
NIC	NOT IN CONTRACT
NLB	NON-LOAD BEARING
NM	NONMETALLIC
NO	NUMBER
NOM	NOMINAL
NR	NOISE REDUCTION
NRC	NOISE REDUCTION COEFFICIENT
NRCA	NATIONAL ROOFING CONTRACTOR'S ASSOCIATION
NS	NEAR SIDE
NTS	NOT TO SCALE
O	
O/	OVER
O/O	OUT TO OUT
OA	OVERALL
OAE	OR APPROVED EQUAL(S)
OBS	OBSCURE
OC	ON CENTER
OCC	OCCUPANTS OR OCCUPANCY
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFF	OFFICE
OFOI	OWNER FURNISHED OWNER INSTALLED
OFS	OUTSIDE FACE OF STUD
OHMS	OVALHEAD MACHINE SCREW
OHWS	OVALHEAD WOOD SCREW
OI	OWNER INSTALLED
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OPQ	OPAQUE
OPR	OPERABLE
ORD	OVERFLOW ROOF DRAIN
OSB	ORIENTED STRAND BOARD
OVFL	OVERFLOW
OVHD	OVERHEAD
P	
P	PAINT
PA	PUBLIC ADDRESS
PAR	PARALLEL
PAT	PATTERN
PB	PANIC BAR
PBD	PARTICLE BOARD
PC	PORTLAND CEMENT
PCC	PRECAST CONCRETE
PCP	PORTLAND CEMENT PLASTER
PED	PEDESTAL
PERF	PERFORATED
PERIM	PERIMETER
PERP	PERPENDICULAR
PGBD	PEGBOARD
PH	PHASE
PHS	PHILLIPS HEAD SCREW
PI	POINT OF INTERSECTION
PIV	POST INDICATOR VALVE
PL	PLATE, PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLYWD	PLYWOOD
PM	PRESSED METAL
PMF	PRESSED METAL FRAME
PNEU	PNEUMATIC
PNL	PANEL
PNT	PAINT(ED)
POL	POLISHED
POLY	POLYETHYLENE
PORC	PORCELAIN
PORT	PORTABLE
PR	PAIR
PRCST	PRECAST
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PREFMD	PREFORMED
PRKG	PARKING
PRML	PREMOLDED
PROJ	PROJECT
PROP	PROPERTY
PSCONC	PRESTRESSED CONCRETE
PT	POINT
PTD	PAPER TOWEL DISPENSER
PTDF	PRESSURE TREATED DOUGLAS FIR
PTN	PARTITION
PTR	PAPER TOWEL RECEPTACLE
PVC	POLYVINYL CHLORIDE
PVG	PAVE(D), (ING)
PVMT	PAVEMENT
Q	
QT	QUARRY TILE
QTB	QUARRY TILE BASE
QTF	QUARRY TILE FLOOR
QTR	QUARTER
QTY	QUANTITY
R	
R	RISER
RA	RETURN AIR
RAB	RABBET
RAD	RADIUS
RB	RESILIENT BASE
RBR	RUBBER
RCP	REINFORCED CONCRETE PIPE
RCVR	RECEIVER
RD	ROOF DRAIN
RDWY	ROADWAY
REBAR	REINFORCING STEEL BARS
REC	RECESSED
RECT	RECTANGULAR
RECYL	RECYCLING
REF	REFERENCE
REFL	REFLECT(ED), (IVE), (OR)
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCED
REM	REMOVE(ABLE)
REP	REPAIR
REPL	REPLACE
REQD	REQUIRED
RESIL	RESILIENT
RET	RETURN
REV	REVISION(S), REVISED
RF	RESILIENT FLOORING
RFG	ROOFING
RFH	ROOF HATCH
RGDINS	RIGID INSULATION
RH	RIGHT HAND
RHMS	ROUND HEAD MACHINE SCREW
RHR	RIGHT HAND REVERSE
RHWS	ROUND HEAD WOOD SCREW
RL	ROOF LEADER
RLG	RAILING
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RR	RESTROOM
RS	ROUGH SAWN
RTF	RUBBER TILE FLOORING
RTU	ROOF TOP UNIT
RV	ROOF VENT
RVL	REVEAL
RVS	REVERSE (SIDE)
RVT	RIVET(ED)
RWD	REDWOOD
RWL	RAIN WATER LEADER
S	
S	SOUTH
S2S	SURFACED TWO SIDES
S4S	SURFACED FOUR SIDES
SA	SUPPLY AIR
SALV	SALVAGE
SAM	SELF-ADHERED MEMBRANE
SAT	SUSPENDED ACOUSTICAL TILE
SB	SPLASH BLOCK
SBSTR	SUBSTRATE
SC	SOLID CORE
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE
SCP	SCUPPER
SCRN	SCREEN
SD	STORM DRAIN
SDBL	SANDBLAST
SEC	SECONDS
SECT	SECTION
SEP	SEPERATE OR SEPERATION
SF	SQUARE FEET, STOREFRONT
SGL	SINGLE
SHR	SHOWER
SHT	SHEET(ING)
SHTG	SHEATHING
SHV	SHELVES(ING)
SIM	SIMILAR
SK	SINK
SKLT	SKYLIGHT
SLD	SEALED
SLDG	SLIDE(ING)
SLDR	SOLDER
SLNT	SEALANT
SLV	SLEEVE
SM	SHEET METAL
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION
SMLS	SEAMLESS
SMS	SHEET METAL SCREW
SND	SANITARY NAPKIN DISPENSER
SNDINS	SOUND INSULATION
SNDU	SANITARY NAPKIN DISPOSAL UNIT
SNT	SEALANT
SP	SPACES
SPC	SUSPENDED PLASTER CEILING
SPD	SOAP DISPENSER
SPEC	SPECIFICATION(S)
SPRT	SUPPORT
SQ	SQUARE
SS	STAINLESS STEEL
SSK	SERVICE SINK
ST	STREET
STA	STATION
STAG	STAGGERED
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STG	SEATING
STIF	STIFFENER
STIR	STIRRUP
STL	STEEL
STOR	STORAGE
STR	STRAIGHT
STRUC	STRUCTURAL
STU	STRUCT
SUSP	SUSPENDED
SV	SHEET VINYL
SYMM	SYMMETRICAL
SYNTH	SYNTHETIC
SYS	SYSTEM
T	
T	TEMPERED, TOILET, TREAD
T24	TITLE 24
T&B	TOP AND BOTTOM
T&G	TONGUE & GROOVE
TB	THRU BOLT
TBE	THREADED BOTH ENDS
TD	TOWEL DISPENSER
TDR	TOWEL DISPENSER/RECEPTACLE
TEL	TELEPHONE
TEMP	TEMPORARY
TER	TERRAZZO
TFA	TO FLOOR ABOVE
TFB	TO FLOOR BELOW
THD	THREAD(ED)
THERM	THERMAL
THK	THICK
THRES	THRESHOLD
THRU	THROUGH
TKBD	TACKBOARD
TMPD	TEMPERED
TO	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CURB OR TOP OF CONCRETE
TOF	TOP OF FOOTING
TOFF	TOP OF FINISH FLOOR
TOJ	TOP OF JOIST
TOL	TOLERANCE
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOPV	TOP OF PAVEMENT
TOS	TOP OF SHEATHING
TOSL	TOP OF SLAB
TOST	TOP OF STEEL
TOW	TOP OF WALL OR TOP OF WALK
TPD	TOILET PAPER DISPENSER
TPTN	TOILET PARTITION
TRANS	TRANSITION
TS	TUBE STEEL
TV	TELEVISION
TWLB	TOWEL BAR
TYP	TYPICAL
U	
UC	UNDERCUT
UGND	UNDERGROUND
UL	UNDERWRITER'S LABORATORY
UNFIN	UNFINISHED
UON	UNLESS OTHERWISE NOTED
UR	URINAL
URM	UNREINFORCED MASONRY
UTIL	UTILITY
V	
VAR	VARIES
VB	VINYL BASE
VCT	VINYL COMPOSITION TITLE
VER	VERIFY
VERT	VERTICAL
VEST	VESTIBULE
VF	VINYL FABRIC
VFAT	VINYL FACED ACOUSTIC TILE
VIF	VERIFY IN FIELD
VJ	V-JOINT(ED)
VNR	VENEER
VR	VAPOR RETARDER
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W	
W	WEST
W.O.	WHERE OCCURS
W/	WITH
W/O	WITHOUT
W/W	WALL TO WALL
WBL	WOOD BLOCKING
WC	WATER CLOSET
WD	WOOD
WDP	WOOD PANELING
WDW	WINDOW
WF	WIDE FLANGE
WFS	WOOD FURRING STRIP
WGL	WIRED GLASS
WH	WATER HEATER
WH	WALL HUNG
WI	WROUGHT IRON
WID	WIDTH, WIDE
WLD	WELD(ED)
WM	WIRE MESH
WP	WATERPROOF(ING)
WPT	WORKING POINT
WR	WIRE ROPE
WS	WOOD SCREW
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
X	
XBRACE	CROSS BRACE
XFMR	TRANSFORMER
XSECT	CROSS SECTION
Y	
YCO	YARD CLEANOUT
YD	YARD

SYMBOLS LEGEND

N = PLAN NORTH ARROW
ADDITIONAL ARROW INDICATES TRUE NORTH

X = BUILDING SECTION NUMBER
AX.X = SHEET NUMBER

X = WALL SECTION NUMBER
AX.X = SHEET NUMBER

X = EXTERIOR ELEVATION NUMBER
AX.X = SHEET NUMBER

X = INTERIOR ELEVATION NUMBER
AX.X = SHEET NUMBER
N,S,E,W = INDICATES CARDINAL DIRECTION

GRID LINE, FACE OF STRUCTURE

GRID LINE, CENTER OF STRUCTURE

ELEVATION OR DATUM POINT

WORK POINT

REFERENCE DETAIL
X = DETAIL DRAWING NUMBER
AX.X = SHEET NUMBER

20 / AX.X — MATCH LINE AND AREA DESIGNATOR
SHADED PORTION IS THE SIDE CONSIDERED

ROOM NAME
A119 — ROOM NAME
AREA IDENTIFICATION:
A = BUILDING OR AREA DESIGNATION
1 = FLOOR NUMBER
19 = ROOM NUMBER

A — WINDOW, STOREFRONT, OR CURTAINWALL
SEE WINDOW SCHEDULE

A101A — DOOR NUMBER, SEE DOOR SCHEDULE

08 211 — KEYNOTE
08 = SPECIFICATION DIVISIONAL PREFIX
2 = SPECIFICATION SUBSECTION PREFIX
11 = NOTE NUMBER

1 — REVISION

102 (30" x 24" x 36" LOCKABLE) — CASEWORK TAG
102 = ARCHITECTURAL WOODWORK STANDARD (AWS) NUMBER
36" x 24" x 24" = WIDTH x HEIGHT x DEPTH
LOCKABLE = MODIFYING NOTE

NOTE: FOR BASE CABINETS, HEIGHT DOES NOT INCLUDE COUNTERTOP THICKNESS - REFER TO PLANS FOR COUNTERTOP TYPE

41 — PATH OF EGRESS
41 = OCCUPANT LOAD
STARTING POINT OF PATH OF TRAVEL TO EXIT
MARKED BY DOT AT THE BEGINNING OF EGRESS LINE

P — PANIC HARDWARE DEVICE - REFERENCE DOOR SCHEDULE AND HARDWARE GROUP

S1 — SIGNAGE TAG

MATERIALS LEGEND

EARTH
POROUS FILL (STONE, GRAVEL, ETC.)
CONCRETE
GROUT
STEEL
FINISHED WOOD
TERRAZZO
WOOD BLOCKING
WOOD FRAMING
BATT INSULATION
RIGID INSULATION
GYPSUM BOARD
PLYWOOD
METAL LATH AND PLASTER

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

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ARCHITECT	ENGINEER

LICENSED ARCHITECT — BRYAN P WHITMORE — No. C 30345 — Ren. 08/30/27 — STATE OF CALIFORNIA
DATE SIGNED: 07/13/2026

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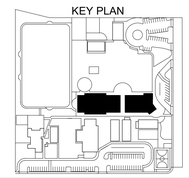
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

ARCHITECTURAL SYMBOLS AND ABBREVIATIONS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2A0.3
Drawn: RR	Checked: CG

PRINT DATE: 7/13/2026 4:21:28 PM
FILE PATH: Autodesk Docs://25010 FCUSD Cordova Villa ES Mod/25010.1 - FCUSD Cordova Villa ES Mod - Phase 1.rvt

TABLE 5.504.4.5
FORMALDEHYDE LIMITS[1]

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION

PRODUCT	CURRENT LIMIT
HARDWOOD PLYWOOD VENEER CORE	0.05
HARDWOOD PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.09
MEDIUM DENSITY FIBERBOARD	0.11
THIN MEDIUM DENSITY FIBERBOARD (*2)	0.13

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. FOR ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12.

2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES (8MM).

TABLE 5.106.5.3.1

TOTAL NUMBER OF ACTUAL PARKING SPACES	NUMBER OF REQUIRED EV CAPABLE SPACES	NUMBER OF EVCS (EV CAPABLE SPACES PROVIDED WITH EVSE)[2]
0-9	0	0
10-25	4	0
26-50	8	2
51-75	13	3
76-100	17	4
101-150	25	6
151-200	35	9
201 AND OVER	20 PERCENT OF TOTAL[1]	25 PERCENT OF EV CAPABLE SPACES[1]

1. CALCULATION FOR SPACES SHALL BE ROUNDED UP TO THE NEAREST WHOLE NUMBER.
2. THE NUMBER OF REQUIRED EVCS (EV CAPABLE SPACES PROVIDED WITH EVSE) IN COLUMN 3 COUNT TOWARD THE TOTAL NUMBER OF REQUIRED EV CAPABLE SPACES SHOWN IN COLUMN 2.

TABLE 5.106.8 [N]
MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT AND GLARE (BUG) RATINGS[1,2]

ALLOWABLE RATING	LIGHTING ZONE LZ0	LIGHTING ZONE LZ1	LIGHTING ZONE LZ2	LIGHTING ZONE LZ3	LIGHTING ZONE LZ4
MAXIMUM ALLOWABLE BACKLIGHT RATING (B)					
LUMINAIRE GREATER THAN 2 MOUNTING HEIGHTS (MH) FROM PROPERTY LINE	N/A	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
LUMINAIRE BACK HEMISPHERE IS 1 - 2 MH FROM PROPERTY LINE	N/A	B2	B3	B4	B4
LUMINAIRE BACK HEMISPHERE IS 0.5 - 1 MH FROM PROPERTY LINE	N/A	B1	B2	B3	B3
LUMINAIRE BACK HEMISPHERE IS LESS THAN 0.5 MH FROM PROPERTY LINE	N/A	B0	B0	B1	B2
MAXIMUM ALLOWABLE UPLIGHT RATING (U)					
FOR AREA LIGHTING[3]	N/A	U0	U0	U0	U0
FOR ALL OTHER OUTDOOR LIGHTING, INCLUDING DECORATIVE LUMINAIRES	N/A	U1	U2	U3	U4
MAXIMUM ALLOWABLE GLARE RATING (G)					
LUMINAIRE GREATER THAN 2 MH FROM PROPERTY LINE	N/A	G1	G2	G3	G4
LUMINAIRE FRONT HEMISPHERE IS 1- 2 MH FROM PROPERTY LINE	N/A	G0	G1	G1	G2
LUMINAIRE FRONT HEMISPHERE IS 0.5 - 1 MH FROM PROPERTY LINE	N/A	G0	G0	G1	G1
LUMINAIRE BACK HEMISPHERE IS LESS THAN 0.5 MH FROM PROPERTY LINE	N/A	G0	G0	G0	G1

1. IESNA LIGHTING ZONES 0 AND 5 ARE NOT APPLICABLE; REFER TO LIGHTING ZONES AS DEFINED IN THE *CALIFORNIA ENERGY CODE* AND CHAPTER 10 OF THE *CALIFORNIA ADMINISTRATIVE CODE*.
2. FOR PROPERTY LINES THAT ABUT PUBLIC WALKWAYS, BIKEWAYS, PLAZAS AND PARKING LOTS, THE PROPERTY LINE MAY BE CONSIDERED TO BE 5 FEET BEYOND THE ACTUAL PROPERTY LINE FOR PURPOSE OF DETERMINING COMPLIANCE WITH THIS SECTION. FOR PROPERTY LINES THAT ABUT PUBLIC ROADWAYS AND PUBLIC TRANSIT CORRIDORS, THE PROPERTY LINE MAY BE CONSIDERED TO BE THE CENTERLINE OF THE PUBLIC ROADWAY OR PUBLIC TRANSIT CORRIDOR FOR THE PURPOSE OF DETERMINING COMPLIANCE WITH THIS SECTION.
3. GENERAL LIGHTING LUMINAIRES IN AREAS SUCH AS OUTDOOR PARKING, SALES OR STORAGE LOTS SHALL MEET THESE REDUCED RATINGS. DECORATIVE LUMINAIRES LOCATED IN THESE AREAS SHALL MEET U-VALUE LIMITS FOR "ALL OTHER OUTDOOR LIGHTING."

TABLE 5.504.4.3
VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS[2,3]

GRAMS OF VOC PER LITER OF COATING, LESS WATER AND LESS EXEMPT COMPOUNDS

COATING CATEGORY	CURRENT LIMIT
FLAT COATINGS	50
NONFLAT COATINGS	100
NONFLAT HIGH GLOSS COATINGS	150
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
BITUMINOUS ROOF PRIMERS	350
BOND BREAKERS	350
CONCRETE CURING COMPOUNDS	350
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	50
DRY FOG COATINGS	150
FAUX FINISHING COATINGS	350
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	100
FORM-RELEASE COMPOUNDS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH-TEMPERATURE COATINGS	420
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS (*1)	120
MAGNESITE CEMENT COATINGS	450
MASTIC TEXTURE COATINGS	100
METALLIC PIGMENTED COATINGS	500
MULTICOLOR COATINGS	250
PRETREATMENT WASH PRIMERS	420
PRIMERS, SEALERS AND UNDERCOATERS	100
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	250
SHELLACS: CLEAR OPAQUE	 730 550
SPECIALTY PRIMERS, SEALERS AND UNDERCOATERS	100
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	100
TUB AND TILE REFINISH COATINGS	420
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMERS	340

1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER AND INCLUDING EXEMPT COMPOUNDS.

2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.

3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEBRUARY 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.

TABLE 5.504.4.1
ADHESIVE VOC LIMIT[1,2]

LESS WATER AND LESS EXEMPT COMPOUNDS IN GRAMS PER LITER

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
INDOOR CARPET ADHESIVES	50
CARPET PAD ADHESIVES	50
OUTDOOR CARPET ADHESIVES	150
WOOD FLOORING ADHESIVE	100
RUBBER FLOOR ADHESIVES	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT AND ASPHALT TILE ADHESIVES	50
DRYWALL AND PANEL ADHESIVES	50
COVE BASE ADHESIVES	50
MULTIPURPOSE CONSTRUCTION ADHESIVES	70
STRUCTURAL GLAZING ADHESIVES	100
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250
OTHER ADHESIVE NOT SPECIFICALLY LISTED	50
SPECIALTY APPLICATIONS	
PVC WELDING	510
CPVC WELDING	490
ABS WELDING	325
PLASTIC CEMENT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140
TOP AND TRIM ADHESIVE	250
SUBSTRATE SPECIFIC APPLICATIONS	
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL (EXCEPT WOOD)	50
WOOD	30
FIBERGLASS	80

1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.

2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168, http://www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF

TABLE 5.504.4.2
SEALANT VOC LIMIT

LESS WATER AND LESS EXEMPT COMPOUNDS IN GRAMS PER LITER

SEALANTS	CURRENT VOC LIMIT
ARCHITECTURAL	250
MARINE DECK	760
NONMEMBRANE ROOF	300
ROADWAY	250
SINGLE-PLY ROOF MEMBRANE	450
OTHER	420
SEALANTS PRIMERS	
ARCHITECTURAL NONPOROUS POROUS	 250 775
MODIFIED BITUMINOUS	500
MARINE DECK	760
OTHER	750

NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.

APPLICABLE GENERAL NOTES
2022 CALGREEN BUILDING STANDARDS CODE

[AS ADOPTED BY DSA-SS]

CHAPTER 3 - GREEN BUILDING

SECTION 301 - GENERAL

301.1 SCOPE
BUILDINGS SHALL BE DESIGNED TO INCLUDE THE GREEN BUILDING MEASURES SPECIFIED AS MANDATORY IN THE APPLICATION CHECKLISTS CONTAINED IN THIS CODE. VOLUNTARY GREEN BUILDING MEASURES ARE ALSO INCLUDED IN THE APPLICATION CHECKLISTS AND MAY BE INCLUDED IN THE DESIGN AND CONSTRUCTION OF STRUCTURES COVERED BY THIS CODE, BUT ARE NOT REQUIRED UNLESS ADOPTED BY A CITY, COUNTY, OR CITY AND COUNTY AS SPECIFIED IN SECTION 101.7.

301.4 MANDATORY MEASURES FOR PUBLIC SCHOOLS AND COMMUNITY COLLEGES [DSA-SS]
NEW BUILDING CONSTRUCTION AND SITE WORK ON A NEW OR EXISTING SITE SHALL COMPLY WITH SECTION 301.4.

301.4.1 BUILDING AND SITE CONSTRUCTION ON A NEW SITE SHALL COMPLY WITH CHAPTER 5 AS ADOBPTED BY DSA-SS.

301.4.2 WORK ON AN EXISTING SITE SHALL COMPLY WITH SECTION 301.4.2.

301.4.2.1 NEWLY CONSTRUCTED SITE WORK SHALL COMPLY WITH CHAPTER 5 AS ADOPTED BY DSA-SS.

301.4.2.2 NEWLY CONSTRUCTED BUILDINGS SHALL COMPLY WITH CHAPTER 5 AS ADOPTED BY DSA-SS AND SECTION 301.4.3.

301.4.2.3 ADDITIONS TO EXISTING BUILDINGS SHALL COMPLY WITH SECTION 301.4.3.

301.4.2.4 REHABILITEATED LANDSCAPE AREAS SHALL COMPLY WITH SECTIONS 5.304.6 AND 5.106.12

301.4.3 MINIMUM REHABILITATED LANDSCAPE AREA REQUIREMENT. A MINIMUM REHABILITATED LANDSCAPE AREA EQUAL TO 75 PERCENT OF THE FOOTPRINT AREA OF THE BUILDING SHALL COMPLY WITH SECTION 5.304.6 AND SECTION 5.106.12. NEW BUILDINGS OR ADDITIONS TO EXISTING BUILDINGS LESS THAN 1,600 SQUARE FEET SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 301.4.3.

SECTION 302 - MIXED OCCUPANCY BUILDINGS
302.1 MIXED OCCUPANCY BUILDINGS
IN MIXED OCCUPANCY BUILDINGS, EACH PORTION OF A BUILDING SHALL COMPLY WITH THE SPECIFIC GREEN BUILDING MEASURES APPLICABLE TO EACH SPECIFIC OCCUPANCY.

SECTION 306 - VOLUNTARY MEASURES
306.1 PURPOSE
FOR PUBLIC SCHOOLS AND COMMUNITY COLLEGES, VOLUNTARY MEASURES FURTHER ENCOURAGE BUILDING PRACTICES THAT IMPROVE PUBLIC HEALTH, SAFETY AND GENERAL WELFARE BY PROMOTING THE USE OF BUILDING CONCEPTS WHICH MINIMIZE THE BUILDING'S IMPACT ON THE ENVIRONMENT, AND PROMOTE A MORE SUSTAINABLE DESIGN.

306.1.1 APPENDIX A5, DIVISIONS A5.1 THROUGH A5.5, OUTLINE MEANS OF ACHIEVING ENHANCED SUSTAINABLE DESIGN AND CONSTRUCTION BY INCORPORATING VOLUNTARY MEASURES THAT EXCEED THE MANDATORY CODE.

306.1.2 CHAPTER 5 NONRESIDENTIAL MANDATORY MEASURES THAT ARE NOT ADOPTED AS MANDATORY STANDARDS BY DSA-SS ARE VOLUNTARY MEASURES RECOMMENDED AND ENCOURAGE FOR THE DESIGN, CONSTRUCTION, VERIFICATION, AND MAINTENANCE OF NON-ENERGY SYSTEMS.

NOTE: THE BUILDING COMMISSIONING REQUIREMENTS FOR ENERGY EFFICIENCY SPECIFIED IN THE CALIFORNIA ENERGY CODE ARE REQUIRED.

CALGREEN CODE - MANDATORY MEASURES CHECKLIST

BASED ON DSA GL-4 (REV. 07/28/20) ATTACHMENT 1, AND
CALGREEN VERIFICATION GUIDELINES - MANDATORY MEASURES CHECKLIST, BSC CG-200 (REV. 12/16)

Y = YES (SECTION HAS BEEN SELECTED AND/OR INCLUDED)
N/A = NOT APPLICABLE (CODE SECTION DOES NOT APPLY TO THE PROJECT)
O = OTHER (PROVIDE EXPLANATION)

CHAPTER 5 DIVISIONS	SECTION TITLE	CODE SECTION	Y	N/A	O	PLAN SHEET, SPEC, OR ATTACHED REFERENCE
DIVISION 5.1 PLANNING AND DESIGN	SHORT TERM BICYCLE PARKING	5.106.4.2.1	X			2A0.5
	LONG TERM BICYCLE PARKING	5.106.4.2.2	X			2A0.5
	ELECTRIC VEHICLE (EV) CHARGING	5.106.5.3				
	EV CAPABLE SPACES *(SEE TABLE 5.106.5.3.1)*	5.106.5.3.1		X		
	ELECTRIC VEHICLE CHARGING STATIONS (EVCS)	5.106.5.3.2		X		
	ACCESSIBLE EVCS	5.106.5.3.4		X		
	ELECTRIC VEHICLE (EV) CHARGING: MEDIUM-DUTY AND HEAVY-DUTY	5.106.5.4		X		
	LIGHT POLLUTION REDUCTION *(SEE ALSO TABLE 5.106.8 - MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT, AND GLARE (BUG) RATINGS)*	5.106.8		X		
	GRADING AND PAVING	5.106.10	X			2C2.1, 2C4.1
	SHADE TREES	5.106.12				
	SURFACE PARKING AREAS	5.106.12.1	X			2L1.0
	LANDSCAPE AREAS	5.106.12.2	X			2L1.0
	HARDSCAPE AREAS	5.106.12.3	X			2L1.0
DIVISION 5.2 ENERGY EFFICIENCY	CALIFORNIA ENERGY CODE	5.201.1		X		
DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION	WATER CLOSETS	5.303.3.1	X			2P0.1
	WALL-MOUNTED URINALS	5.303.3.2.1		X		
	FLOOR-MOUNTED URINALS	5.303.3.2.2		X		
	SINGLE SHOWERHEAD	5.303.3.3.1		X		
	MULTIPLE SHOWERHEADS SERVING ONE SHOWER	5.303.3.3.2		X		
	NONRESIDENTIAL LAVATORY FAUCETS	5.303.3.4.1	X			2P0.1
	KITCHEN FAUCETS	5.303.3.4.2	X			2P0.1
	WASH FOUNTAINS	5.303.3.4.3		X		
	METERING FAUCETS	5.303.3.4.4	X			2P0.1
	METERING FAUCETS FOR WASH FOUNTAINS	5.303.3.4.5		X		
	PRE-RINSE SPRAY VALVE	5.303.3.4.6		X		
	FOOD WASTE DISPOSERS	5.303.4.1		X		
	STANDARDS FOR PLUMBING FIXTURES AND FITTINGS	5.303.6		X		
	OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS	5.304.1	X			
	NEWLY CONSTRUCTED LANDSCAPES	5.304.6.1	X			Y, SEE LANDSCAPE
	REHABILITATED LANDSCAPES	5.304.6.2	X			Y, SEE LANDSCAPE
DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY	WEATHER PROTECTION	5.407.1	X			2AA5.1, 2AB5.1
	SPRINKLERS	5.407.2.1	X			2L2.1 - 2L2.2
	EXTERIOR DOOR PROTECTION	5.407.2.2.1	X			2AA3.1, 2AB3.1
	FLASHING	5.407.2.2.2	X			2A10.8.1 - 2A10.8.2
	CONSTRUCTION WASTE MANAGEMENT PLAN	5.408.1.1			X	TO BE COMPLETED BY CONTRACTOR
	WASTE MANAGEMENT COMPANY	5.408.1.2			X	TO BE COMPLETED BY CONTRACTOR
	WASTE STREAM REDUCTION ALTERNATIVE	5.408.1.3			X	TO BE COMPLETED BY CONTRACTOR
	DOCUMENTATION	5.408.1.4			X	TO BE COMPLETED BY CONTRACTOR
	UNIVERSAL WASTE	5.408.2			X	TO BE COMPLETED BY CONTRACTOR
	EXCAVATED SOIL AND LAND CLEARING DEBRIS	5.408.3			X	TO BE COMPLETED BY CONTRACTOR
	RECYCLING BY OCCUPANTS	5.410.1			X	TO BE COMPLETED BY OWNER
	RECYCLING BY OCCUPANTS: SAMPLE ORDINANCE	5.410.1.2			X	TO BE COMPLETED BY OWNER
	COMMISSIONING (NEW BUILDINGS MORE THAN 10,000 SF)	5.410.2		X		REVIEW ADD'L REQUIREMENTS IN CODE
	TESTING AND ADJUSTING (NEW BUILDINGS LESS THAN 10,000 SF)	5.410.2	X			REVIEW ADD'L REQUIREMENTS IN CODE
DIVISION 5.5 ENVIRONMENTAL QUALITY	COVERING OF DUCTS OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION	5.504.3			X	TO BE COMPLETED BY CONTRACTOR
	ADHESIVES, SEALANTS AND CAULKS *(SEE ALSO TABLES 5.504.4.1 - ADHESIVE VOC LIMIT AND 5.504.4.2 - SEALANT VOC LIMIT)*	5.504.4.1	X			SEE SPECS - 079200 JOINT SEALANTS
	PAINTS AND COATINGS *(SEE ALSO TABLE 5.504.4.3 VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS)*	5.504.4.3	X			SEE SPECS - 099100 PAINTING
	AEROSOL PAINTS AND COATINGS	5.504.4.3.1	X			SEE SPECS - 099100 PAINTING
	CARPET SYSTEMS	5.504.4.4	X			SEE SPECS - 096813 TILE CARPETING
	CARPET CUSHION	5.504.4.4.1		X		
	CARPET ADHESIVE	5.504.4.4.2	X			SEE SPECS - 096813 TILE CARPETING
	COMPOSITE WOOD PRODUCTS *(SEE ALSO TABLE 5.504.4.5 - FORMALDEHYDE LIMITS)*	5.504.4.5	X			SEE SPECS - 064023 INTERIOR ARCHITECTURAL WOODWORK
	RESILIENT FLOORING SYSTEMS	5.504.4.6	X			SEE SPECS - 096519 RESILIENT TILE FLOORING
	THERMAL INSULATION	5.504.4.7	X			SEE SPECS - 072100 BUILDING INSULATION
	ACOUSTICAL CEILINGS AND WALL PANELS	5.504.4.8	X			SEE SPECS - 095113 ACOUSTICAL PANEL CLGS
	FILTERS	5.504.5.3	X			2M0.1-2M0.5
	INDOOR MOISTURE CONTROL	5.505.1	X			2M0.1
	OUTSIDE AIR DELIVERY	5.506.1	X			2M0.1
	CARBON DIOXIDE (CO2) MONITORING	5.506.2	X			2M0.1
	CARBON DIOXIDE (CO2) MONITORING IN CLASSROOMS	5.506.3		X		
	ACOUSTICAL CONTROL	5.507.4	X			
	EXTERIOR NOISE TRANSMISSION, PRESCRIPTIVE METHOD	5.507.4.1		X		
	NOISE EXPOSURE WHERE NOISE CONTOURS ARE NOT READILY AVAILABLE	5.507.4.1.1	X			2A10.1
	PERFORMANCE METHOD	5.507.4.2		X		
	SITE FEATURES	5.507.4.2.1		X		
	DOCUMENTATION OF COMPLIANCE	5.507.4.2.2		X		
	INTERIOR SOUND TRANSMISSION	5.507.4.3	X			2A10.1
	CHLOROFLUOROCARBONS (CFCS)	5.508.1.1	X			2M0.1
	HALONS	5.508.1.2	X			2M0.1

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Rev. 06/30/27 STATE OF CALIFORNIA DATE SIGNED: 07/13/2026	

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○ BIDDING	
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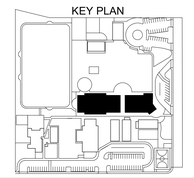
KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

CALGREEN CHECKLIST

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2A0.4
Drawn / Checked	
RR / CG	

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DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT

(BASED ON DSA PROCEDURE PR 15-01)

THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS

INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.

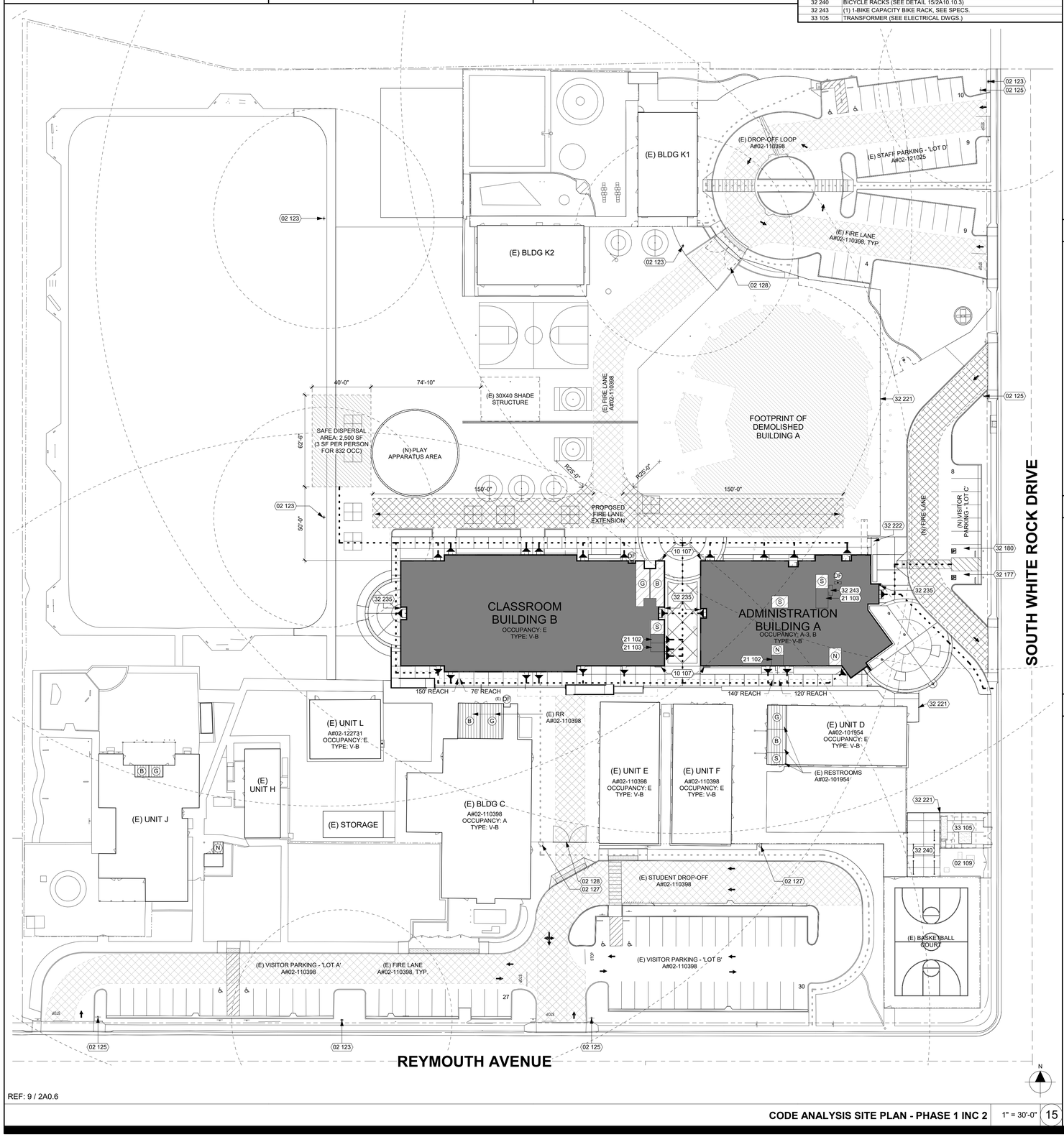
DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

ACC. PATH OF TRAVEL

ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLANS IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL ABOVE 27" AND LESS THAN 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

KEYNOTES

NUMBER	NOTE
02 109	(E) EXTERIOR UTILITIES
02 123	(E) FIRE HYDRANT (SEE CIVIL DWGS.)
02 125	(E) TOW-AWAY ENTRANCE SIGN (SEE CIVIL DWGS.)
02 127	(E) 3FT WIDE ORNAMENTAL METAL GATE WITH LOCKSET PER 02-110398
02 128	(E) PAIR 11FT WIDE ORNAMENTAL METAL GATES WITH KNOX LOCK PER 02-110398
10 107	BUILDING SIGN NUMBER (SEE DETAIL 25/2A10.10.3)
21 102	FIRE RISER ROOM
21 103	FIRE ALARM CONTROL PANEL AND REMOTE ANNUNCIATOR
32 177	ACCESSIBLE PARKING
32 180	VAN ACCESSIBLE PARKING
32 221	CHAIN LINK FENCE (SEE SHEET 2A10.2.2 FOR DETAIL)
32 222	CHAIN LINK GATE (SEE SHEET 2A10.2.2 FOR DETAIL)
32 235	KNOX BOX, INSTALL PER LOCAL FIRE AUTHORITY STANDARDS
32 240	BICYCLE RACKS (SEE DETAIL 15/2A10.10.3)
32 243	(1) 1-BIKE CAPACITY BIKE RACK, SEE SPECS.
33 105	TRANSFORMER (SEE ELECTRICAL DWGS.)



REF: 9 / 2A0.6

LOCAL FIRE AUTHORITY REVIEW

DSA

810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy *PI, 09-01: Fire Flow for Buildings.*

PROJECT INFORMATION	
School District/Owner:	Folsom Cordova Unified School District
Project Name/School:	Cordova Villa Elementary School
Project Address:	10359 S. White Rock Road, Rancho Cordova, CA 95670

FIRE & LIFE SAFETY INFORMATION			
1.	Has a fire hydrant flow test been performed within the past 12 months? *(If yes, provide a copy of the test data.)*	Yes ☑	No ☐
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes ☑	No ☐
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? *(If yes, indicate FHSZ classification below.)*	Yes ☐	No ☑
	Refer to the following website for FHSZ locations: Fire Hazard Severity Zones in State Responsibility Area	Moderate ☐ High ☐	Very High ☐
	Wildland Interface Area (WIFA) *(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)*		WIFA ☐

DSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION		ALTERNATE ACCEPTED			
		Yes	No	N/A	N/R
4.	Emergency vehicle access roadways do not meet CFC requirements.			✔	
4a.	**Acceptable Alternate:** Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5.	**Fire Hydrants:** Number and spacing does not meet CFC requirements.			✔	
5a.	**Acceptable Alternate:** Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6.	**Fire Hydrants:** Water flow and pressure are less than CFC minimum.			✔	
6a.	**Acceptable Alternate:** The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			✔	
7a.	**Acceptable Alternate:** The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.	✔			

School District Acceptance of Acceptable Design Alternates

By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by: _____ Title: _____

Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION			
LFA Agency Name:	Sacramento Metropolitan Fire District		
LFA Review Official:	Benton Christensen		
Title:	Fire Inspector II	Work Phone:	(916) 859-4591
Work Email:	christensen.benton@metrofire.ca.gov		

LFA Reviewer's Signature: Benton Christensen Date: 04/28/26

GENERAL NOTES

EXISTING CONDITIONS
1. ORIGINAL BUILDING CONSTRUCTION: 1968.
2. ALL (E) STRUCTURES AND ITEMS ON SITE ARE APPROXIMATE BASED ON DRAWINGS FROM OWNER.

BUILDING
1. ALL EXTERIOR OUTWARD SWINGING DOORS TO HAVE A MINIMUM 5'-0" LEVEL LANDING.
2. ALL BUILDING ENTRANCES AND EXTERIOR GROUND LEVEL EXITS SHALL BE ACCESSIBLE.

ACCESSIBLE PATH OF TRAVEL
1. SEE ACCESSIBLE PATH OF TRAVEL DEFINITION, THIS SHEET.
2. ALL SIDEWALKS ALONG THE ACCESSIBLE ROUTE TO BE A MINIMUM OF 4'-0" WIDE, AND THERE SHALL BE NO DROP-OFFS OVER 4" AT EDGE OF WALK OR LANDING. WHERE A 4" DROP-OFF DOES OCCUR, PROVIDING A 6" HIGH WARNING CURB OR GUARD OR HANDRAIL. (SEE CBC SECTION 11B-303.5)
3. FOR GRATINGS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WALKWAY IN THE PATH OF TRAVEL, GRID/OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2" MAXIMUM IN THE DIRECTION OF TRAFFIC FLOW.
4. 36" WIDE CONTINUOUS DETECTABLE WARNING SHALL BE USED WHERE THE PEDESTRIAN PATH CROSSES OR ADJOINS A VEHICULAR WAY (SUCH AS A DRIVEWAY) TO WARN OF POTENTIAL HAZARDS AS PER CBC 11B-705.
5. SEE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT ON THIS SHEET FOR PATH OF TRAVEL REQUIREMENTS.

GATES
1. GATES ALONG ACCESSIBLE ROUTE SHALL MEET DOOR REQUIREMENTS PER CBC SECTION 11B-404 INCLUDING PANIC HARDWARE AND 10" MIN. SMOOTH BOTTOM OR KICK PLATE
2. GATES IN PATH OF TRAVEL SHALL COMPLY WITH EXIT DOOR REQUIREMENTS WITH PROPER ACCESSIBLE LEVER HARDWARE AND KICK PLATES.

BICYCLE STORAGE CALCS

BASED ON 2022 CAL GREEN BUILDING STANDARDS CODE
SECTION 5.106.4.2 BICYCLE PARKING [DSA-SS]

5.106.4.2.1 STUDENT BICYCLE PARKING
REQUIRED: (4) 2-BIKE CAPACITY RACKS PER NEW BUILDING (8-BIKE CAPACITY)

2 BLDGS x 8 BIKE CAPACITY = 16 BICYCLES STORED

EXISTING: TO BE REPLACED = 36 BICYCLES STORED
TOTAL = 52 BICYCLES STORED

PROVIDED: (4) 11-BIKE CAPACITY RACKS = 1 9-BIKE CAPACITY RACK
= 53 TOTAL BIKE CAPACITY STORED

5.106.4.2.2 STAFF BICYCLE PARKING
REQUIRED: 2 BIKES STORED PER NEW BUILDING

2 BLDGS x 2-BIKES = 4 BICYCLES STORED

PROVIDED: **(4) 1-BIKE CAPACITY STORAGE, PERMANENTLY ANCHORED**

ACCESSIBLE PARKING

EXISTING PARKING STALL COUNT

(E) VISITOR PARKING 'LOT A':

(E) STANDARD PARKING PROVIDED: 25 STALLS
(E) ACCESSIBLE PARKING PROVIDED: 1 STALL + 1 VAN STALL
TOTAL PARKING PROVIDED: 27 STALLS

(E) VISITOR PARKING 'LOT B':

(E) STANDARD PARKING PROVIDED: 28 STALLS
(E) ACCESSIBLE PARKING PROVIDED: 1 STALLS + 1 VAN STALLS
TOTAL PARKING PROVIDED: 30 STALLS

(N) VISITOR PARKING 'LOT C':

(E) STANDARD PARKING PROVIDED: 6 STALLS
(E) ACCESSIBLE PARKING PROVIDED: 1 STALLS + 1 VAN STALLS
TOTAL PARKING PROVIDED: 8 STALLS

(E) STAFF PARKING 'LOT D':

(E) STANDARD PARKING PROVIDED: 30 STALLS
(E) ACCESSIBLE PARKING PROVIDED: 1 STALLS + 1 VAN STALLS
TOTAL PARKING PROVIDED: 32 STALLS

TOTAL STALL COUNT:

(E) STANDARD PARKING PROVIDED: 90 STALLS
(E) ACCESSIBLE PARKING PROVIDED: 4 STALLS + 4 VAN STALLS
TOTAL PARKING PROVIDED: 98 STALLS

GROSS BUILDING AREA

NAME	TOTAL AREA (S.F.)
ADMINISTRATION BLDG	8,560 SF
ADMINISTRATION BLDG CANOPIES	1,056 SF
ADMINISTRATION BLDG OVERHANGS	86 SF
TOTAL AREA	9,702 SF
CLASSROOM BLDG 1	13,234 SF
CLASSROOM BLDG 1 CANOPIES	660 SF
CLASSROOM BLDG 1 OVERHANGS	127 SF
TOTAL AREA	14,022 SF

CODE ANALYSIS

BUILDING NAME	ADMINISTRATION BUILDING
BUILDING CONDITION	NEW
OCCUPANCY (CBC SECTION 302)	A-3, B
BUILDING HEIGHT	23'-0"
NUMBER OF STORIES	1
TYPE OF CONSTRUCTION	V-B
SPRINKLERS	YES
ALTERNATIVE PROTECTION (CBC 903.1.1)	NOT USED
SEPARATED (CBC TABLE 508.4)	NO
ALLOWABLE AREA (CBC 506.2, BASED ON THE MOST RESTRICTIVE OCCUPANCY)	24,000 SF
ALLOWABLE BUILDING HEIGHT (CBC TABLE 504.3)	40'
ALLOWABLE NUMBER OF STORIES (CBC TABLE 504.4)	1
ACTUAL AREA / ALLOWABLE AREA	9,702 SF / 24,000 SF = .40 < 1 = OK

BUILDING NAME	CLASSROOM BUILDING 1
BUILDING CONDITION	NEW
OCCUPANCY (CBC SECTION 302)	E
BUILDING HEIGHT	19'-0"
NUMBER OF STORIES	1
TYPE OF CONSTRUCTION	V-B
SPRINKLERS	YES
ALTERNATIVE PROTECTION (CBC 903.1.1)	NOT USED
SEPARATED? (CBC TABLE 508.4)	NO
ALLOWABLE AREA (CBC 506.2, BASED ON THE MOST RESTRICTIVE OCCUPANCY)	38,000 SF
ALLOWABLE BUILDING HEIGHT (CBC TABLE 504.3)	60'
ALLOWABLE NUMBER OF STORIES (CBC TABLE 504.4)	2
ACTUAL AREA / ALLOWABLE AREA	14,022 SF / 38,000 SF = .37 < 1 = OK

LEGEND

- (E) BUILDING, NOT UNDER SCOPE OF WORK
- BUILDING UNDER SCOPE OF WORK
- DEMOLISHED 'BUILDING A' FOOTPRINT
- 20'-0" WIDE MINIMUM CLEAR FIRE ACCESS LANE, FOR MORE DETAILS, SEE 27/2A10.2.7
- (E) 20'-0" WIDE MINIMUM CLEAR FIRE ACCESS LANE. SEE DSA APP#02-110398
- ACCESSIBLE PATH OF TRAVEL, SEE DEFINITION ON THIS SHEET
- PROPERTY LINE
- (E) FENCING
- FIRE HYDRANT WITH 75' & 400' RADIUS CIRCLES
- LOCATION OF ACCESSIBLE EXTERIOR EXIT DOORS, ENTRANCES, AND EGRESS
- PROPOSED BATHROOM FACILITES
- EXISTING BATHROOM FACILITIES
- (G) GIRLS (B) BOYS
- (S) ALL GENDER STAFF (SINGLE OCCUPANCY)
- (N) ALL GENDER STUDENT (SINGLE OCCUPANCY)
- (DF) DRINKING FOUNTAIN

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

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1930 H Street
Sacramento, California 95811
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www.StudioW-Architects.com

ARCHITECT	ENGINEER

LICENSED ARCHITECT BRIAN P WHITMORE No. C 30345 Ren. 8/30/27 STATE OF CALIFORNIA

DATE SIGNED: 07/13/2026

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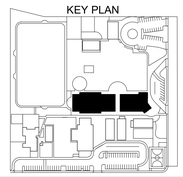
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

CODE ANALYSIS SITE PLAN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2A0.5
Drawn / Checked	
RR / CG	

CODE ANALYSIS SITE PLAN - PHASE 1 INC 2 | 1" = 30'-0" | 15

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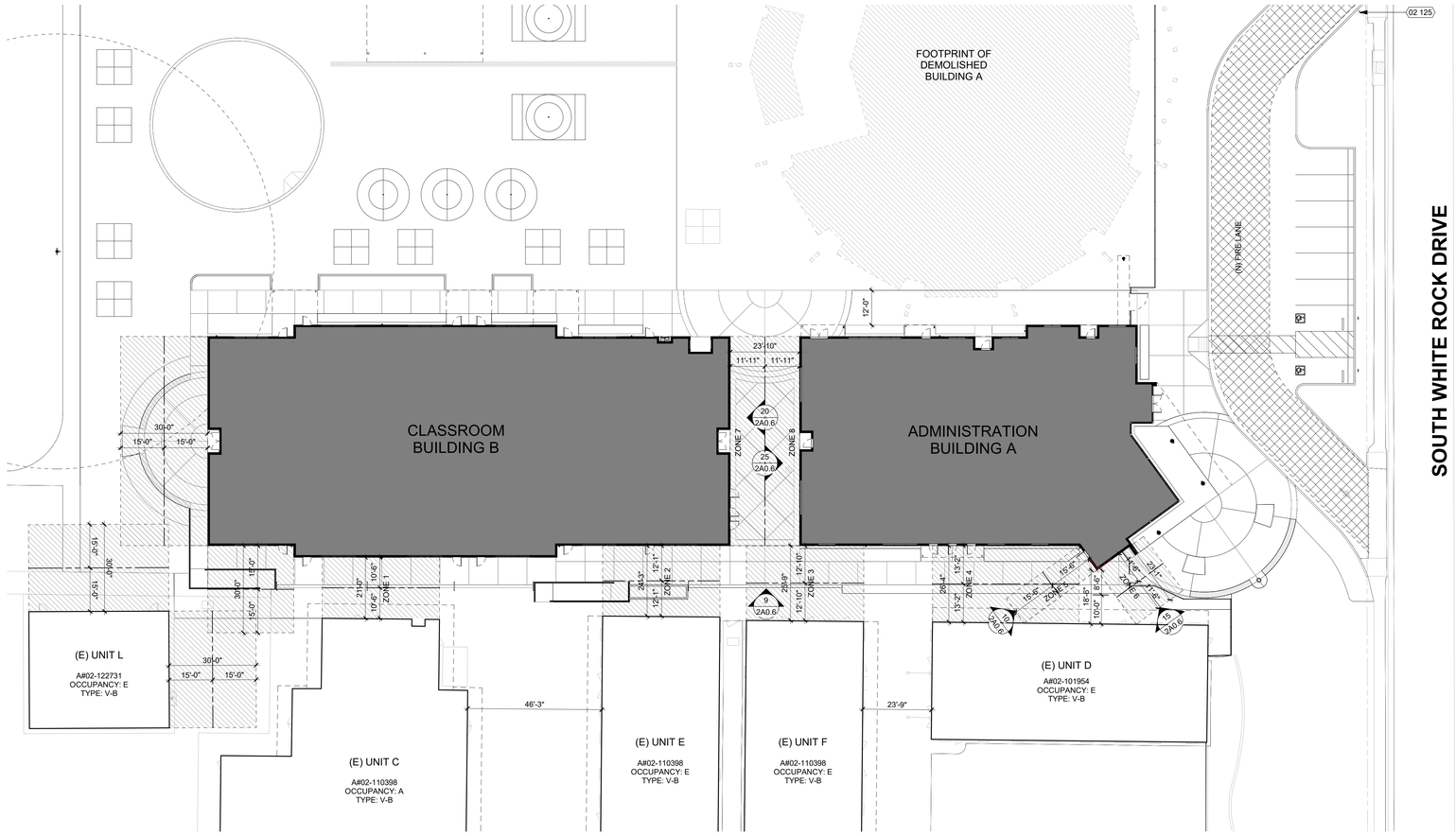
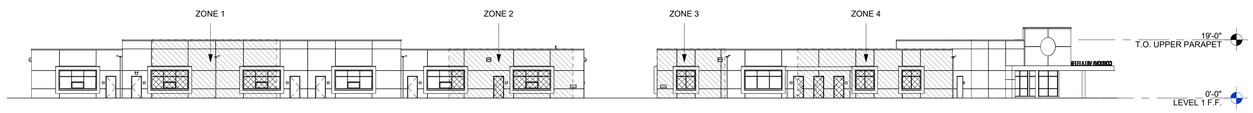
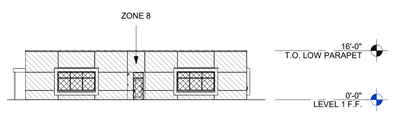


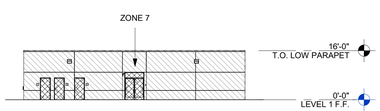
CODE ANALYSIS SITE PLAN - ENLARGED 1" = 20'-0" 8



ZONE 1-4 ELEVATION 1" = 20'-0" 9

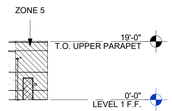


ZONE 8 ELEVATION 1" = 20'-0" 25



ZONE 7 ELEVATION 1" = 20'-0" 20

ZONE 6 ELEVATION 1" = 20'-0" 15



ZONE 5 ELEVATION 1" = 20'-0" 10

FIRE-RESISTANCE RATINGS

BASED ON CBC TABLE 705.5

FIRE SEPARATION DISTANCE = X (FEET)	TYPE OF CONSTRUCTION	RATING FOR OCCUPANCY GROUP A, B, E
5 ≤ X < 10	VB	1
10 ≤ X < 30	VB	0
X ≥ 30	VB	0

OPENINGS

ALLOWABLE AREA BASED ON CBC TABLE 705.8

FIRE SEPARATION DISTANCE =X (FEET)	DEGREE OF OPENING PROTECTION	ALLOWABLE AREA
10 ≤ X < 15	UP, S	45%
15 ≤ X < 20	UP, S	75%

UP,S = UNPROTECTED OPENINGS IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1.

CALCULATION FOR COMPLIANCE OF ALLOWABLE AREA

ZONE	TOTAL AREA (SF)	OPENINGS AREA (SF)	ALLOWABLE AREA	% OF OPENINGS
5	200	24	75%	12% - OK
6	380	42	45%	11% - OK

LEGEND

- (E) BUILDING, NOT UNDER SCOPE OF WORK
- BUILDING UNDER SCOPE OF WORK
- FIRE SEPARATION ZONE AREA
- OPENING AREA
- 1 HOUR RATING, SEE DETAIL 5 / 2A10.1

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
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ARCHITECT	ENGINEER

LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Ren. 12/31/27 STATE OF CALIFORNIA
DATE SIGNED: 07/13/2026

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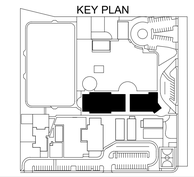

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CODE ANALYSIS SITE PLAN - ENLARGED

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2A0.6
Drawn / Author	Checked / Checker

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EXIT WIDTH CALCULATIONS

NOTE: EXIT WIDTH CALCULATIONS ARE PER CBC 1005.3.2. IF CALCULATED EXITING WIDTH IS LESS THAN 32", THEN 32" IS USED AS THE MINIMUM VALUE PER CBC 11B-403.5.1 (EXCEPTION 1). REFER TO "EXIT WIDTH PROVIDED" COLUMN BELOW AND DOOR SCHEDULE ON SHEET A9.1 FOR MORE INFORMATION.

MARK	DOOR WIDTH	EXITING OCCUPANTS	MINIMUM EXIT WIDTH REQUIRED (EXITING OCCUPANTS * .2)	EXIT WIDTH PROVIDED
101A	3'-0"	15	32"	32"
109A	3'-0"	11	32"	32"
109B	3'-0"	39	32"	32"
125B	3'-0"	20	32"	32"
126A	3'-0"	20	32"	32"
128B	3'-0"	38	32"	32"
131A	6'-0"	19	32"	68"
131B	3'-0"	18	32"	32"
134A	3'-0"	1	32"	32"

PLUMBING ANALYSIS

PLUMBING OCCUPANCY (CPC CH. 4 TABLE A) ADMINISTRATION BUILDING

OCCUPANT LOAD	AREA	OCC. LOAD FACTOR	TOTAL PERSONS
(none)	748 SF		
GROUP A - CONFERENCE ROOMS, GYMNASIUMS, DINING ROOMS	1,061 SF	30	35
GROUP B - OFFICE OR PUBLIC BUILDINGS	3,281 SF	200	18
GROUP E - SCHOOLS FOR DAY CARE, ELEMENTARY, SECONDARY	747 SF	50	30
NON-OCCUPIED	2,200 SF	0	<v84 s>
	8,036 SF		PERSONS

MINIMUM PLUMBING FACILITIES (CPC TABLE 422.1, E OCCUPANCY)
85 OCCUPANTS = 42 MEN AND 42 WOMEN

FIXTURE TYPE	REQUIRED	PROVIDED
WATER CLOSETS	1 (1 PER 50 MALE) 2 (1 PER 30 FEMALE)	3*
URINALS	1 (1 PER 100)	0*
LAVATORIES	2 (1 PER 40 MALE) 2 (1 PER 40 FEMALE)	3*
WATER FOUNTAINS	1 (1 PER 150)	2
SERVICE SINK OR LAUNDRY TRAY	1	1

*NOTE: 3 SINGLE OCCUPANT RESTROOMS PROVIDED IN LIEU OF SEPARATE FACILITIES

SIGNAGE LEGEND

- S1 ACCESSIBLE ENTRANCE SIGN, SEE DETAIL 9 / 2A10.10.1
- S2 ROOM IDENTIFICATION SIGN, SEE DETAIL 12 / 2A10.10.1
- S3 ABOVE DOOR SIGN, SEE DETAIL 10 / 2A10.10.1
- S4 EXIT SIGN, SEE DETAIL 13 / 2A10.10.1
- S5 EXIT ROUTE SIGN, SEE DETAIL 14 / 2A10.10.1
- S6 MAXIMUM OCCUPANCY SIGN, SEE DETAIL 19 / 2A10.10.1
- S7 GIRLS WALL MOUNTED SIGN, SEE DETAIL 16 / 2A10.10.1
- S8 GIRLS DOOR SIGN, SEE DETAIL 21 / 2A10.10.1
- S9 BOYS WALL MOUNTED SIGN, SEE DETAIL 17 / 2A10.10.1
- S10 BOYS DOOR SIGN, SEE DETAIL 22 / 2A10.10.1
- S11 GENDER NEUTRAL WALL MOUNTED SIGN, SEE DETAIL 18 / 2A10.10.1
- S12 GENDER NEUTRAL DOOR SIGN, SEE DETAIL 23 / 2A10.10.1
- S13 ASSISTIVE LISTENING SYSTEM AVAILABLE SIGN, SEE DETAIL 20 / 2A10.10.1
- S14 BLANK SIGN TO MATCH SIZE AND LOCATION OF SIGN ON OPPOSITE SIDE OF GLASS

KEYNOTES

NUMBER	NOTE
10 401	FIRE EXTINGUISHER (2A-10B:C) ON WALL BRACKET MOUNT (SEE DETAIL 1/A10.10.3)
10 404	FIRE EXTINGUISHER WITH MIN. RATING OF 2A-10B:C & PER CFC 906. TYP. IN SEMI-RECESSED CABINET (SEE DETAIL 1/2A10.10.3)
10 407	FIRE EXTINGUISHER (2A-10B:C) IN SURFACE-MOUNTED CABINET
22 403	HI-LO DRINKING FOUNTAIN (SEE DETAIL 23/A10.10.2)
32 243	(1) 1-BIKE CAPACITY BIKE RACK, SEE SPECS.

GENERAL NOTES

1. WHERE OCCUPANT LOAD SIGN IS REQUIRED, THE SIGN SHALL BE POSTED NEAR THE MAIN EXIT FROM THE ROOM.
2. AREAS HAVING FIXED SEATING AND AISLES SHALL BE DETERMINED BY THE NUMBER OF FIXED SEATS INSTALLED THEREIN, CBC SECTION 1004.4.
3. REQUIRED MEANS OF EGRESS SHALL BE MAINTAINED DURING CONSTRUCTION AND DEMOLITION PER CFC 3311.2.
4. MEANS OF EGRESS ILLUMINATION SHALL BE PROVIDED PER CFC 1013.3.
5. NUMBER OF EXITS SHOWN COMPLY WITH THE MINIMUM REQUIREMENTS SET FORTH IN CBC SECTION 1006.2. WHEN THERE ARE MORE THAN ONE REQUIRED EXIT, THE EXITS SHALL BE LOCATED PER SECTION 1007.1.1. SEE CALCULATIONS BELOW.
6. NO EXIT DOOR SHALL BE LESS THAN 32" CLEAR WIDTH.
7. ALL WALL, ROOF, AND CEILING ASSEMBLIES SHALL MEET THE MINIMUMS NOTED ON TABLE 601 PER THE BUILDING'S CONSTRUCTION TYPE.

OCCUPANT LOAD CHART

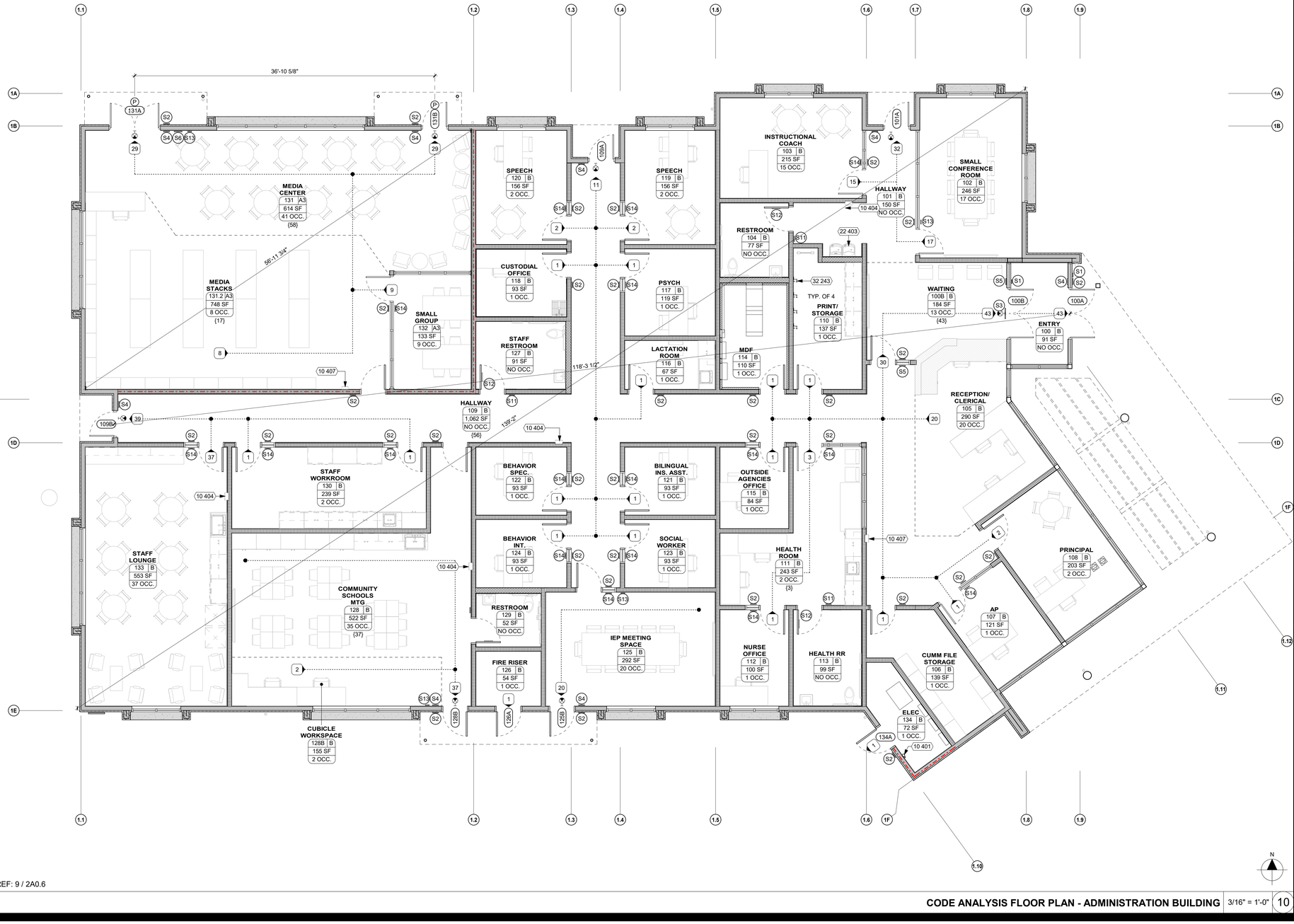
ROOM NUMBER	ROOM NAME	FUNCTION OF SPACE (CBC TABLE 1004.1.2)	SQ. FT. (NET)	OCCUPANT LOAD FACTOR	OCCUPANT LOAD
100	ENTRY	(none)	91 SF		
100B	WAITING	Assembly Unconcentrated (tables and chairs)	184 SF	15	13
101	HALLWAY	(none)	150 SF		
102	SMALL CONFERENCE ROOM	Assembly Unconcentrated (tables and chairs)	246 SF	15	17
103	INSTRUCTIONAL COACH	Assembly Unconcentrated (tables and chairs)	215 SF	15	15
104	RESTROOM	(none)	77 SF		
105	RECEPTION/ CLERICAL	Assembly Unconcentrated (tables and chairs)	290 SF	15	20
106	CUMM FILE STORAGE	Business Areas	139 SF	150	1
107	AP	Business Areas	121 SF	150	1
108	PRINCIPAL	Business Areas	203 SF	150	2
109	HALLWAY	(none)	1,062 SF		
110	PRINT/ STORAGE	Business Areas	137 SF	150	1
111	HEALTH ROOM	Business Areas	243 SF	150	2
112	NURSE OFFICE	Business Areas	100 SF	150	1
113	HEALTH RR	(none)	99 SF	0	
114	MDF	Accessory Storage Areas, Mechanical Equipment Room	110 SF	300	1
115	OUTSIDE AGENCIES OFFICE	Business Areas	84 SF	150	1
116	LACTATION ROOM	Business Areas	67 SF	150	1
117	PSYCH	Business Areas	119 SF	150	1
118	CUSTODIAL OFFICE	Business Areas	93 SF	150	1
119	SPEECH	Business Areas	156 SF	150	2
120	SPEECH	Business Areas	156 SF	150	2
121	BILINGUAL INS. ASST.	Business Areas	93 SF	150	1
122	BEHAVIOR SPEC.	Business Areas	93 SF	150	1
123	SOCIAL WORKER	Business Areas	93 SF	150	1
124	BEHAVIOR INT.	Business Areas	93 SF	150	1
125	IEP MEETING SPACE	Assembly Unconcentrated (tables and chairs)	292 SF	15	20
126	FIRE RISER	Accessory Storage Areas, Mechanical Equipment Room	54 SF	300	1
127	STAFF RESTROOM	(none)	91 SF		
128	COMMUNITY SCHOOLS MTG	Assembly Unconcentrated (tables and chairs)	522 SF	15	35
128B	CUBICLE WORKSPACE	Business Areas	155 SF	150	2
129	RESTROOM	(none)	52 SF	150	1
130	STAFF WORKROOM	Business Areas	239 SF	150	2
131	MEDIA CENTER	Assembly Unconcentrated (tables and chairs)	614 SF	15	41
131.2	MEDIA STACKS	Library Stack Area	748 SF	100	8
132	SMALL GROUP	Assembly Unconcentrated (tables and chairs)	133 SF	15	9
133	STAFF LOUNGE	Assembly Unconcentrated (tables and chairs)	553 SF	15	37
134	ELEC	Accessory Storage Areas, Mechanical Equipment Room	72 SF	300	1
			8,036 SF		243

OCCUPANCY CLASS

ROOM #	ROOM NAME	OCCUPANCY CLASS	SQ. FT. (NET)
131	MEDIA CENTER	A3	614 SF
131.2	MEDIA STACKS	A3	748 SF
132	SMALL GROUP	A3	133 SF
A3			1,494 SF
100	ENTRY	B	91 SF
100B	WAITING	B	184 SF
101	HALLWAY	B	150 SF
102	SMALL CONFERENCE ROOM	B	246 SF
103	INSTRUCTIONAL COACH	B	215 SF
104	RESTROOM	B	77 SF
105	RECEPTION/ CLERICAL	B	290 SF
106	CUMM FILE STORAGE	B	139 SF
107	AP	B	121 SF
108	PRINCIPAL	B	203 SF
109	HALLWAY	B	1,062 SF
110	PRINT/ STORAGE	B	137 SF
111	HEALTH ROOM	B	243 SF
112	NURSE OFFICE	B	100 SF
113	HEALTH RR	B	99 SF
114	MDF	B	110 SF
115	OUTSIDE AGENCIES OFFICE	B	84 SF
116	LACTATION ROOM	B	67 SF
117	PSYCH	B	119 SF
118	CUSTODIAL OFFICE	B	93 SF
119	SPEECH	B	156 SF
120	SPEECH	B	156 SF
121	BILINGUAL INS. ASST.	B	93 SF
122	BEHAVIOR SPEC.	B	93 SF
123	SOCIAL WORKER	B	93 SF
124	BEHAVIOR INT.	B	93 SF
125	IEP MEETING SPACE	B	292 SF
126	FIRE RISER	B	54 SF
127	STAFF RESTROOM	B	91 SF
128	COMMUNITY SCHOOLS MTG	B	522 SF
128B	CUBICLE WORKSPACE	B	155 SF
129	RESTROOM	B	52 SF
130	STAFF WORKROOM	B	239 SF
133	STAFF LOUNGE	B	553 SF
134	ELEC	B	72 SF
B			6,542 SF
TOTAL AREA (NET)			8,036 SF

LEGEND

- ILLUMINATED EXIT SIGN, SEE ELECTRICAL DRAWINGS. EXIT SIGNAGE TO ACCOMPANY ALL ILLUMINATED EXIT SIGNS. L = LOW LEVEL ILLUMINATED EXIT SIGN (WHERE OCCURS)
- WORKROOM / A101 B / 1,500 SF / 10 OCC. / {15} — AREA IDENTITY/ CODE ANALYSIS: WORKROOM = ROOM NAME; A101 = ROOM NUMBER; B = OCCUPANCY CLASS (CBC 302); 1,500 SF = FLOOR AREA; 10 = OCCUPANT LOAD; {15} = OCCUPANT LOAD PLUS ANCILLARY SPACE WHERE OCCURS
- 41 — PATH OF EGRESS: 41 = OCCUPANT LOAD; STARTING POINT OF PATH OF TRAVEL TO EXIT MARKED BY DOT AT THE BEGINNING OF EGRESS LINE
- (P) PANIC HARDWARE DEVICE - REFERENCE DOOR SCHEDULE AND HARDWARE GROUP
- LINE OF ROOF, SKYLIGHT, OR SOFFIT OVERHEAD - SHOWN DASHED
- 1 HOUR RATING:
- FOR EXTERIOR RATED CONDITION SEE DETAIL 5 / 2A10.1
- FOR INTERIOR RATED CONDITION SEE DETAIL 10 / 2A10.1



REF: 9 / 2A0.6

CODE ANALYSIS FLOOR PLAN - ADMINISTRATION BUILDING 3/16" = 1'-0" 10

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DATE: 07/31/2026

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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Ren. 08/31/27 STATE OF CALIFORNIA DATE SIGNED: 07/13/2026	

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NO.	REMARKS	DATE

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	DATE
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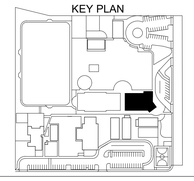
○ DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

CODE ANALYSIS FLOOR PLAN - ADMINISTRATION BLDG

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2A0.7
Drawn RR	Checked CG

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EXIT WIDTH CALCULATIONS

NOTE: EXIT WIDTH CALCULATIONS ARE PER CBC 1005.3.2. IF CALCULATED EXITING WIDTH IS LESS THAN 32", THEN 32" IS USED AS THE MINIMUM VALUE PER CBC 11B-403.5.1 (EXCEPTION 1). REFER TO "EXIT WIDTH PROVIDED" COLUMN BELOW AND DOOR SCHEDULE ON SHEET A9.1 FOR MORE INFORMATION.

MARK	DOOR WIDTH	EXITING OCCUPANTS	MINIMUM EXIT WIDTH REQUIRED (EXITING OCCUPANTS * .2)	EXIT WIDTH PROVIDED
200A	6'-0"	73	32"	68"
200B	6'-0"	48	32"	68"
201B	3'-0"	45	32"	32"
202B	3'-0"	45	32"	32"
203B	3'-0"	46	32"	32"
204B	3'-0"	46	32"	32"
205B	3'-0"	46	32"	32"
206B	3'-0"	46	32"	32"
207B	3'-0"	46	32"	32"
208B	3'-0"	46	32"	32"
209B	3'-0"	42	32"	32"
211B	3'-0"	42	32"	32"
213A	3'-0"	10	32"	32"
214B	3'-0"	15	32"	32"
215A	3'-0"	1	32"	32"
219A	3'-0"	1	32"	32"
220A	3'-0"	1	32"	32"
221A	3'-0"	1	32"	32"

PLUMBING ANALYSIS

PLUMBING OCCUPANCY (CPC CH. 4 TABLE A) CLASSROOM BUILDING

OCCUPANT LOAD	AREA	OCC. LOAD FACTOR	TOTAL PERSONS
(none)	2,129 SF		
GROUP E - SCHOOLS FOR DAY CARE, ELEMENTARY, SECONDARY	9,646 SF	50	192
NON-OCCUPIED	972 SF	0	192
	12,746 SF		PERSONS

MINIMUM PLUMBING FACILITIES (CPC TABLE 422.1, E OCCUPANCY)
192 OCCUPANTS = 96 MEN AND 96 WOMEN

FIXTURE TYPE	REQUIRED	PROVIDED
WATER CLOSETS	2 (1 PER 50 MALE) 4 (1 PER 30 FEMALE)	1 MALE 3 FEMALE 3 SINGLE OCC
URINALS	1 (1 PER 100)	2
LAVATORIES	3 (1 PER 40 MALE) 3 (1 PER 40 FEMALE)	2 MALE 2 FEMALE 3 SINGLE OCC
WATER FOUNTAINS	2 (1 PER 150)	2
SERVICE SINK OR LAUNDRY TRAY	1	1

SIGNAGE LEGEND

- S1 ACCESSIBLE ENTRANCE SIGN, SEE DETAIL 9 / 2A10.10.1
- S2 ROOM IDENTIFICATION SIGN, SEE DETAIL 12 / 2A10.10.1
- S3 ABOVE DOOR SIGN, SEE DETAIL 10 / 2A10.10.1
- S4 EXIT SIGN, SEE DETAIL 13 / 2A10.10.1
- S5 EXIT ROUTE SIGN, SEE DETAIL 14 / 2A10.10.1
- S6 MAXIMUM OCCUPANCY SIGN, SEE DETAIL 19 / 2A10.10.1
- S7 GIRLS WALL MOUNTED SIGN, SEE DETAIL 16 / 2A10.10.1
- S8 GIRLS DOOR SIGN, SEE DETAIL 21 / 2A10.10.1
- S9 BOYS WALL MOUNTED SIGN, SEE DETAIL 17 / 2A10.10.1
- S10 BOYS DOOR SIGN, SEE DETAIL 22 / 2A10.10.1
- S11 GENDER NEUTRAL WALL MOUNTED SIGN, SEE DETAIL 18 / 2A10.10.1
- S12 GENDER NEUTRAL DOOR SIGN, SEE DETAIL 23 / 2A10.10.1
- S13 ASSISTIVE LISTENING SYSTEM AVAILABLE SIGN, SEE DETAIL 20 / 2A10.10.1
- S14 BLANK SIGN TO MATCH SIZE AND LOCATION OF SIGN ON OPPOSITE SIDE OF GLASS

GENERAL NOTES

1. WHERE OCCUPANT LOAD SIGN IS REQUIRED, THE SIGN SHALL BE POSTED NEAR THE MAIN EXIT FROM THE ROOM.
2. AREAS HAVING FIXED SEATING AND AISLES SHALL BE DETERMINED BY THE NUMBER OF FIXED SEATS INSTALLED THEREIN, CBC SECTION 1004.4.
3. REQUIRED MEANS OF EGRESS SHALL BE MAINTAINED DURING CONSTRUCTION AND DEMOLITION PER CFC 3311.2.
4. MEANS OF EGRESS ILLUMINATION SHALL BE PROVIDED PER CFC 1013.3.
5. NUMBER OF EXITS SHOWN COMPLY WITH THE MINIMUM REQUIREMENTS SET FORTH IN CBC SECTION 1006.2. WHEN THERE ARE MORE THAN ONE REQUIRED EXIT, THE EXITS SHALL BE LOCATED PER SECTION 1007.1.1. SEE CALCULATIONS BELOW.
6. NO EXIT DOOR SHALL BE LESS THAN 32" CLEAR WIDTH.

RECEIVER CALCULATION

11B-219.3 RECEIVERS

CUMULATIVE OCCUPANT LOAD OF CLASSROOMS: 590 OCCUPANTS

4% OF LOAD = **24 RECEIVERS REQUIRED**

25% OF REQUIRED RECEIVERS SHALL BE HEARING-AID COMPATIBLE IN ACCORDANCE WITH SECTION 11B-706.3 = **6 HEARING-AID COMPATIBLE RECIEVERS REQUIRED**

FOR "ASSISTIVE LISTENING SYSTEM AVAILABLE" SIGN LOCATIONS REFER TO PLAN.

KEYNOTES

NUMBER	NOTE
10 401	FIRE EXTINGUISHER (2A-10B:C) ON WALL BRACKET MOUNT (SEE DETAIL 1/A10.10.3)
10 404	FIRE EXTINGUISHER WITH MIN. RATING OF 2A-10B:C & PER CFC 906. TYP. IN SEMI-RECESSED CABINET (SEE DETAIL 1/2A10.10.3)

OCCUPANT LOAD CHART

ROOM NUMBER	ROOM NAME	FUNCTION OF SPACE (CBC TABLE 1004.1.2)	SQ. FT. (NET)	OCCUPANT LOAD FACTOR	OCCUPANT LOAD
200	COLLABORATION	Assembly Unconcentrated (tables and chairs)	1,435 SF	15	96
200.1	HALLWAY	(none)	488 SF		
200.2	HALLWAY	(none)	206 SF		
201	5TH GRADE CLASSROOM	Educational Classroom area	895 SF	20	45
202	5TH GRADE CLASSROOM	Educational Classroom area	895 SF	20	45
203	4TH GRADE CLASSROOM	Educational Classroom area	904 SF	20	46
204	4TH GRADE CLASSROOM	Educational Classroom area	904 SF	20	46
205	3RD GRADE CLASSROOM	Educational Classroom area	904 SF	20	46
206	3RD GRADE CLASSROOM	Educational Classroom area	904 SF	20	46
207	3RD GRADE CLASSROOM	Educational Classroom area	903 SF	20	46
208	OPEN CLASSROOM	Educational Classroom area	903 SF	20	46
209	SPED MOD. CLASSROOM	Educational Classroom area	827 SF	20	42
210	SPED RR	(none)	69 SF		
211	SPED INT. CLASSROOM	Educational Classroom area	827 SF	20	42
212	SPED RR	(none)	69 SF		
213	INTERVEN.	Educational Classroom area	186 SF	20	10
214	RSP	Educational Classroom area	596 SF	20	30
215	CUSTODIAL /STORAGE	Accessory Storage Areas, Mechanical Equipment Room	89 SF	300	1
216	GIRLS RR	(none)	241 SF		
217	BOYS RR	(none)	241 SF		
218	STAFF RESTROOM	(none)	83 SF		
219	FIRE RISER	Accessory Storage Areas, Mechanical Equipment Room	49 SF	300	1
220	IDF	Accessory Storage Areas, Mechanical Equipment Room	55 SF	300	1
221	ELECTRICAL	Accessory Storage Areas, Mechanical Equipment Room	76 SF	300	1
			12,746 SF		590

OCCUPANCY CLASS

ROOM #	ROOM NAME	OCCUPANCY CLASS	SQ. FT. (NET)
210	SPED RR		69 SF
212	SPED RR		69 SF
216	GIRLS RR		241 SF
217	BOYS RR		241 SF
218	STAFF RESTROOM		83 SF
			703 SF
200	COLLABORATION **	E	1,435 SF
200.1	HALLWAY	E	488 SF
200.2	HALLWAY	E	206 SF
201	5TH GRADE CLASSROOM	E	895 SF
202	5TH GRADE CLASSROOM	E	895 SF
203	4TH GRADE CLASSROOM	E	904 SF
204	4TH GRADE CLASSROOM	E	904 SF
205	3RD GRADE CLASSROOM	E	904 SF
206	3RD GRADE CLASSROOM	E	904 SF
207	3RD GRADE CLASSROOM	E	903 SF
208	OPEN CLASSROOM	E	903 SF
209	SPED MOD. CLASSROOM	E	827 SF
211	SPED INT. CLASSROOM	E	827 SF
213	INTERVEN.	E	186 SF
214	RSP	E	596 SF
E			11,775 SF
215	CUSTODIAL /STORAGE	S2*	89 SF
219	FIRE RISER	S2*	49 SF
220	IDF	S2*	55 SF
221	ELECTRICAL	S2*	76 SF
S2*			269 SF
TOTAL AREA (NET)			12,746 SF

NOTES:
1. S2* DENOTES ACCESSORY STORAGE SPACE TO E OCCUPANCY PER CBC 311.1.1
   - PER CBC 508.2.3 THE AGGREGATE ACCESSORY OCCUPANCIES SHALL NOT OCCUPY MORE THAN 10 PERCENT OF THE FLOOR AREA OF THE STORY IN WHICH THEY ARE LOCATED.
     - AG/GREATE ACCESSORY USE AREA / TOTAL AREA < 10%
     - 269 SF / 12,774 SF = .02 --> OK
2. ** AREA IS BEING CLASSIFIES AS E OCCUPANCY PER CBC SECTION 303.1.3 (EDUCATION ASSEMBLY PURPOSE)

LEGEND

- ILLUMINATED EXIT SIGN, SEE ELECTRICAL DRAWINGS.
  EXIT SIGNAGE TO ACCOMPANY ALL ILLUMINATED EXIT SIGNS.
  L = LOW LEVEL ILLUMINATED EXIT SIGN (WHERE OCCURS)
- WORKROOM / A101 B / 1,500 SF / 10 OCC. / {15} — AREA IDENTITY/ CODE ANALYSIS
  WORKROOM = ROOM NAME
  A101 = ROOM NUMBER
  B = OCCUPANCY CLASS (CBC 302)
  1,500 SF = FLOOR AREA
  10 = OCCUPANT LOAD
  {15} = OCCUPANT LOAD PLUS ANCILLARY SPACE WHERE OCCURS
- 41 — PATH OF EGRESS
  41 = OCCUPANT LOAD
  STARTING POINT OF PATH OF TRAVEL TO EXIT MARKED BY DOT AT THE BEGINNING OF EGRESS LINE
- (P) — PANIC HARDWARE DEVICE - REFERENCE DOOR SCHEDULE AND HARDWARE GROUP
- LINE OF ROOF, SKYLIGHT, OR SOFFIT OVERHEAD - SHOWN DASHED

REF: 9 / 2A0.6

CODE ANALYSIS FLOOR PLAN CLASSROOM BUILDING 1/8" = 1'-0" 10

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NO.	REMARKS	DATE

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	DATE
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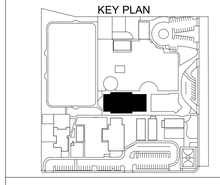
○ DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

CODE ANALYSIS FLOOR PLAN - CLASSROOM BUILDING

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2A0.8
Drawn / Checked	
RR / CG	

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.

AB	AGGREGATE BASE
AC	ASPHALTIC CONCRETE
AD	AREA DRAIN
APN	ASSESSOR'S PARCEL NUMBER
ARV	AIR RELEASE VALVE
ASB	AGGREGATE SUB-BASE
BO	BLOW-OFF VALVE
BV	BUTTERFLY VALVE
BW	BACK OF WALK
C/L	CENTERLINE
CB	CATCH BASIN
CJ	CONTROL JOINT
CL	CLASS
CMP	CORRUGATED METAL PIPE
CATV	CABLE TELEVISION
CO	CLEANOUT
COMM	COMMUNICATION
CONC.	CONCRETE
CONST.	CONSTRUCT
CR	CURB RETURN
CS	CONCRETE SURFACE
DC	DOUBLE CHECK VALVE
DDC	DOUBLE DETECTOR CHECK VALVE
DG	DECOMPOSED GRANITE
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DWG	DRAWING
DS	DOWNSPOUT
E	ELECTRIC
EJ	EXPANSION JOINT
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EX	EXISTING
FS	FIRE SERVICE LINE
FDC	FIRE DEPARTMENT CONNECTION
FL	FLOWLINE
FM	SANITARY SEWER FORCE MAIN
FF	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
G	GAS
GB	GRADE BREAK
GR	GRATE ELEVATION
GRD	GRADE ELEVATION
GV	GATE VALVE
HB	HOSE BIBB
HBD	HEADER BOARD
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HP	HIGH POINT
INV	PIPE INVERT ELEVATION
JP	JOINT UTILITY POLE
LF	LINEAL FEET
LIP	LIP OF GUTTER
LT	LEFT
MS	MOWSTRIP
NTS	NOT TO SCALE
OH	OVERHEAD
PAD	BUILDING PAD
PCC	PORTLAND CEMENT CONCRETE
PD	PLANTER DRAIN
PIV	POST INDICATOR VALVE
P/L	PROPERTY LINE
PP	POWER POLE
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
R	RADIUS
RIM	MANHOLE RIM ELEVATION (SOLID COVER)
RP	REDUCED PRESSURE BACKFLOW PREVENTER
RW	RIGHT OF WAY
SCH	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SG	SUBGRADE ELEVATION
SP	FIRE SPRINKLER SERVICE
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STD	STANDARD
S/W	SIDEWALK
T	TELEPHONE
TC	TOP OF CURB
TD	TRENCH DRAIN
TDCB	TRENCH DRAIN CATCH BASIN
TP	TELEPHONE POLE
TRW	TOP OF RETAINING WALL
TSW	TOP OF SEAT WALL
TW	TOP OF WALK ELEVATION
U	UTILITY
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
VCP	VITRIFIED CLAY PIPE
W	WATER
W/	WITH
W/O	WITHOUT
WV	WATER VALVE

LEGEND

NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.

PROPOSED GRADING & DRAINAGE SYMBOLS:

- 8" SD — STORM DRAIN LINE (SIZE AND FLOW SHOWN)
- STORM DRAIN MANHOLE (SDMH)
- CATCH BASIN (CB)
- DROP INLET (DI)
- AREA DRAIN (AD)
- PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)
- CO — STORM DRAIN CLEANOUT
- 99.99 — ELEVATION
- FF=100.00 — FINISHED FLOOR ELEVATION
- PAD=99.33 — BUILDING PAD ELEVATION
- CONCRETE SIDEWALK
- GRADED DIRECTION FOR DRAINAGE FLOW
- SWALE
- SLOPE
- TREE TO BE REMOVED
- RETAINING WALL

PROPOSED SANITARY SEWER SYMBOLS:

- 8" SS — SANITARY SEWER LINE (SIZE AND FLOW SHOWN)
- SANITARY SEWER MANHOLE (SSMH)
- CO — SEWER CLEANOUT FLUSHER BRANCH

PROPOSED WATER SYMBOLS:

- 8" W — WATER LINE & SIZE
- 8" FS — FIRE LINE & SIZE
- 8" DW — DOMESTIC WATER LINE & SIZE
- 8" RW — RECLAIMED WATER LINE & SIZE
- 8" IRR — IRRIGATION SERVICE LINE & SIZE
- 8" NP — NON POTABLE WATER LINE & SIZE
- 8" SP — FIRE SPRINKLER SERVICE LINE & SIZE
- GATE VALVE
- M — WATER METER
- FH — FIRE HYDRANT ASSEMBLY
- FDC — FIRE DEPARTMENT CONNECTION
- DC — DETECTOR CHECK VALVE
- DDC — DOUBLE DETECTOR CHECK VALVE
- RP — REDUCED PRESSURE BACKFLOW PREVENTER
- BUTTERFLY VALVE
- 1" — AIR RELEASE VALVE + SIZE
- 1" — BLOW-OFF VALVE + SIZE
- PIV — POST INDICATOR VALVE

GENERAL NOTES

1. THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT (USA) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING TOLL FREE 1-800-227-2600, OR 811.
2. WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL. IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING, OR IMPROPER CONSTRUCTION.
3. IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION, ALL WORK IN THE VICINITY SHALL BE STOPPED UNTIL SUCH ITEMS CAN BE ASSESSED BY AN APPROPRIATE MEMBER OF THE COUNTY ENVIRONMENTAL IMPACT SECTION STAFF.
4. CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
5. THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR ALL EXCAVATIONS OF 5 FEET OR MORE IN DEPTH.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE NECESSARY PRE-CONSTRUCTION SITE REVIEWS TO DETERMINE NECESSARY MEANS AND METHODS TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS.
7. WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY, OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION (WHICH WERE NOT FORMALLY ISSUED). UPON PROJECT COMPLETION, THESE RECORDS AND/OR INFORMATION SHALL BE PROVIDED TO THE OWNER AND WARREN CONSULTING ENGINEERS, INC. UNLESS AN OFFICIAL "AS-BUILT" SET OF PLANS IS A REQUIREMENT OF THE CONTRACT. IF AS-BUILT PLANS ARE A REQUIREMENT OF THE CONTRACT, REFER TO SPECIFICATIONS FOR AS-BUILT DELIVERABLE REQUIREMENTS.
9. IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE, PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWCUT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION SO A CLEAN EDGE REMAINS FOR PATCH BACK.. IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAVING.
10. NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS, OR SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER ADMINISTRATIVE AUTHORITY.
11. SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS OR OTHER STRUCTURE ELEVATIONS SHOWN ON GRADING OR OTHER PLANS. NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS.
12. ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "TEE" AND "WYE" FITTINGS. SADDLE TAPS WILL ONLY BE ALLOWED WHEN MAKING CONNECTIONS TO EXISTING WATER MAINS.
13. CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT. ANY "SPOTTY" APPLICATIONS SHALL BE RECOATED IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING APPLICATION.
14. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO PREVENT UNCONTROLLED CRACKING. THOSE ADDITIONAL JOINTS MAY OR MAY NOT BE SPECIFICALLY SHOWN ON PLANS BUT SHALL BE PROVIDED BY THE CONTRACTOR.
15. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE A MINOR ADJUSTMENT OF REBAR WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS.
16. NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE. THE ADDITION OF WATER CAN ONLY BE ADDED UNDER THE SUPERVISION OF THE CONCRETE INSPECTOR OR LABORATORY TECHNICIAN.
17. WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTORS EXPENSE.
18. ALL CONTRACTION/CONSTRUCTION JOINTS "CJ" SHALL BE 1/4 THE SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR CONTROLLING OF CRACKING. CONTRACTOR SHALL EXERCISE CAUTION WHEN FINAL TROWELING OF CONCRETE SO AS NOT TO FILL IN THESE JOINTS WITH CONCRETE CREAM. ANY CRACKS OUTSIDE OF JOINTS WHICH WERE CONSTRUCTED LESS THAN 1" DEEP, SHALL BE CAUSE FOR CONCRETE SLAB(S) TO BE REMOVED AND REPLACE AT CONTRACTORS EXPENSE.
19. ANY SCREED BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SCREED" SO THERE IS NO INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING.
20. 3-1/2" FELT JOINTS WILL NOT BE ACCEPTED. PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND A 6" FELT JOINT FOR A 6" SLAB SLAB CONSTRUCTION.
21. SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS, THEN THE CONCRETE SLAB SHALL BE SAWCUT AT THE NEAREST JOINTS ON EACH SIDE OF THE CRACK AND THE CONCRETE SECTION SHALL BE, REMOVED AND REPLACED. NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE PER DRAWING DETAIL.
22. ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDROSEEDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS.
23. REPAIR OR PATCHING OF GALVANIZED METALS, SUCH AS AFTER WELDING GALVANIZED COMPONENTS, SHALL BE MADE USING A ZINC COMPOSITION "HOT STICK" APPLICATION PER ASTM A 780-01. GALVANIZING PAINTS WILL NOT BE ALLOWED.
24. AT LIMITS OF NEW PAVEMENT OR CURBS ADJACENT TO LANDSCAPING PROVIDE A 4:1 MINIMUM TRANSITION TO EXISTING GRADE WITH TOPSOIL. ADJUST EXISTING IRRIGATION HEADS TO FINISH GRADE AND PROVIDE SOD IN GRASS AREAS TO RESTORE TO EXISTING CONDITION.
25. TRANSITION BETWEEN PAVED SURFACES AND LANDSCAPE AREAS SHALL BE NO GREATER THAN 1", UNLESS NOTED OTHERWISE.
26. WITHIN LIMITS OF WORK THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ARCHITECT FOR DIRECTION.
27. GENERAL CONTRACTOR IS REQUIRED TO HIRE A LANDSCAPE SUBCONTRACTOR TO PERFORM ALL LANDSCAPE AND IRRIGATION REPAIRS.
28. WIDTH OF NEW SIDEWALKS SHALL MATCH WIDTH OF EXISTING, ADJACENT, SIDEWALKS.
29. SEE ARCHITECTURAL PLANS FOR EXPANSION AND CONTROL JOINT LAYOUT.
30. ADJUST TO FINISH GRADE ALL UTILITY BOXES, FRAMES, COVERS SLEEVES, POST HOLES GRATES, ETC. FOUND IN AREA OF WORK, WHETHER SHOWN OR NOT. CLEAN OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.
31. ALL NEW ASPHALT PAVING TO BE PROVIDED WITH 2 COATS OF SEALCOAT.
32. PRIOR TO NEW SEALCOAT ON EXISTING ASPHALT SURFACES, FILL ALL CRACKS 1/4" INCHES OR WIDER WITH AN APPROVED CRACK FILLER.
33. FOR ACCESSIBLE PATH OF TRAVEL REQUIREMENTS SEE ARCHITECTURAL SHEETS.
34. PERCENT OF SLOPE SHOWN ON ARROWS ARE MAXIMUM SLOPES AND NOT INTENDED TO SUPERCEDE SLOPES DEFINED BY SPOT ELEVATIONS. — 0.0% MAX.
35. WITHIN THE LIMITS OF ACCESSIBLE PARKING AREA AND ACCESSIBLE DROP OFF ZONE THE SLOPE OF PAVEMENT SHALL NOT EXCEED 1.9% IN ANY DIRECTION.
36. SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 0.5% MINIMUM FOR CONCRETE AND THE MAXIMUM SLOPE SHALL BE AS FOLLOWS;

    CROSS SLOPE PERPENDICULAR TO PATH OF TRAVEL – 1.9%
    DIRECTION OF TRAVEL – 4.9%
    RAMP IN DIRECTION OF TRAVEL – 8.0%
    PLAZA 1.9% – IN ANY DIRECTION
37. THE MINIMUM SLOPE AWAY FROM THE BUILDING ON PAVED SURFACES SHALL BE 1% MINIMUM AND 2% MAXIMUM.
38. TRANSITIONS BETWEEN CONCRETE AND OR ASPHALT SURFACES SHALL BE FLUSH, UNLESS NOTED OTHERWISE BY CURB OR STEP.

SHEET INDEX

2C0.0	CIVIL COVER SHEET
2C1.1	DEMOLITION PLAN
2C1.2	ENGINEERED FILL PLAN
2C2.1	GRADING PLAN
2C3.1	UTILITY PLAN
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2C5.1	DETAILS
2C6.1	EROSION CONTROL PLAN

811 Know what's below. Call before you dig.

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ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO NO. C74536 STATE OF CALIFORNIA 07/09/2026

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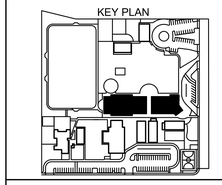
KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

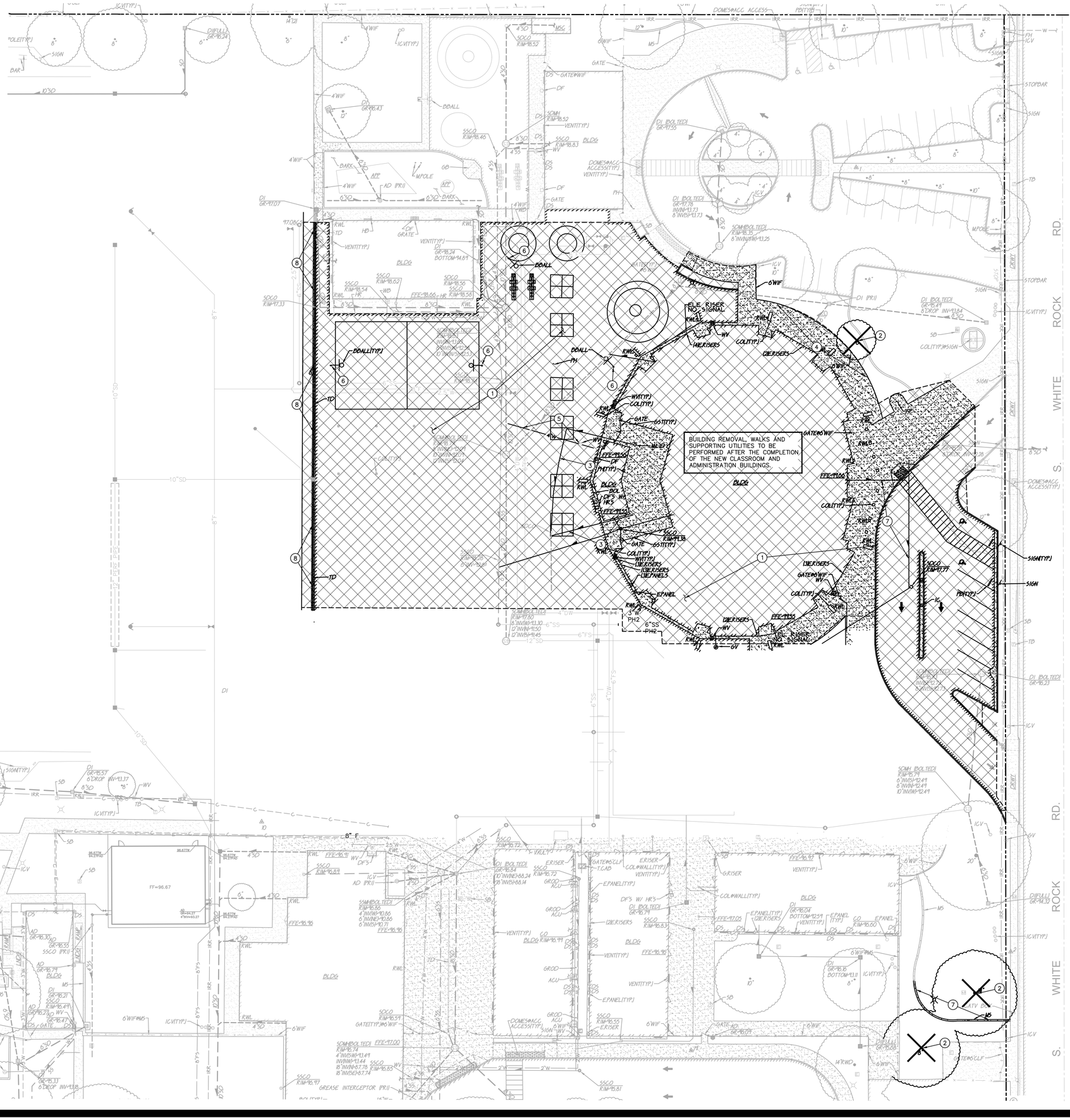
DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

CIVIL COVER SHEET

Date: 07/13/2026	Project Number: 25010.1
Application Number: 02-123800	Drawing Number: **2C0.0**
Drawn: MG/ML	Checked: MG

FILENAME: I:\25-129\CIVIL\DWG\INC 2\25-129 2C0.0.DWG



DEMOLITION GENERAL NOTES

1. REFER TO ARCHITECTURAL, LANDSCAPE, ELECTRICAL AND PLUMBING PLANS FOR ADDITIONAL DEMOLITION ITEMS.
2. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
3. ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
4. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
5. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
6. THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON. THE CONTRACTOR SHALL GIVE THE DISTRICT NOTICE 7 DAYS PRIOR TO THE START OF DEMOLITION. THE DISTRICT SHALL MOVE ANY RETAINED ITEMS OUT OF THE CONTRACTORS WORK AREA, UNLESS ANOTHER ARRANGEMENT IS MADE WITH THE CONTRACTOR. ANY REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ANY ITEMS NOT SHOWN FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A REASONABLE EXTENT.
7. ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
8. EXISTING UTILITY STRUCTURES AND PIPING NOT SHOWN ON DEMOLITION PLAN TO BE REMOVED SHALL REMAIN AND BE PROTECTED.
9. SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND THE NEAREST LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.
10. PRIOR TO THE START OF CONSTRUCTION, VERIFY AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.
11. WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ARCHITECT FOR DIRECTION.

GENERAL NOTE

THE CONTRACTOR SHALL COORDINATE REMOVAL OF EXISTING ADMINISTRATION BUILDING, PAVEMENT AROUND THE BUILDING AND UTILITIES SERVING THE BUILDING WITH NEW SITE IMPROVEMENTS. THIS BUILDING SHALL REMAIN IN PLACE AND FULL USE UNTIL SUCH TIME AS THE NEW BUILDINGS ARE COMPLETE AND IN USE BY THE SCHOOL DISTRICT.

DEMOLITION NOTES

1. REMOVE AND DISPOSE OF EXISTING PAVING, CURBS, GUTTERS AND ASSOCIATED BASE. WHERE SAWCUTS ARE NECESSARY, THEY SHALL BE A NEAT STRAIGHT LINE. CUT SHALL BE MADE AT NEAREST EXISTING JOINT TO LOCATION SHOWN.
2. REMOVE OF TREE, TRUNK AND ASSOCIATED ROOTS.
3. REMOVE STORM DRAIN PIPE AND STRUCTURE.
4. REMOVE FENCING, GATES, POSTS AND ASSOCIATED FOOTINGS.
5. REMOVE WATER PIPING.
6. REMOVE BASKETBALL POLE AND FOOTING.
7. REMOVE STORM DRAIN PIPING.
8. REMOVE TRENCH DRAIN. CAP END FOR FUTURE REMOVAL IN PHASE 2.
9. REMOVE CONCRETE MOWSTRIP.

GRAPHIC SCALE

20' 0 10' 20' 40'
(IN FEET) 1 inch = 20 feet
NORTH
THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

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KEY PLAN

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1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
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RANCHO CORDOVA, CA 95670

DEMOLITION PLAN

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number **2C1.1**
Drawn MG/ML	Checked MG

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ENGINEERED FILL LEGEND

OVEREXCAVATE TO A MINIMUM ELEVATION OF 91.00. OVEREXCAVATION SHALL EXTEND A MINIMUM OF 5' OUTSIDE OF FUTURE FOUNDATION LIMITS. SCARIFY SUBGRDE TO A MINIMUM DEPTH OF 12" AND BACKFILL WITH ENGINEERED FILL MATERIAL COMPACT TO 90% MINIMUM. SIDEWALLS OF OVEREXCAVATION SHALL BE SLOPED AT 3:1 (HORIZONTAL TO VERTICAL) OR FLATTER, WHERE POSSIBLE.

GRAPHIC SCALE

20' 0 10' 20' 40' (IN FEET) 1 inch = 20 feet

NORTH

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KEY PLAN

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RANCHO CORDOVA, CA 95670

ENGINEERED FILL PLAN

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number **2C1.2**
Drawn MG/ML	Checked MG

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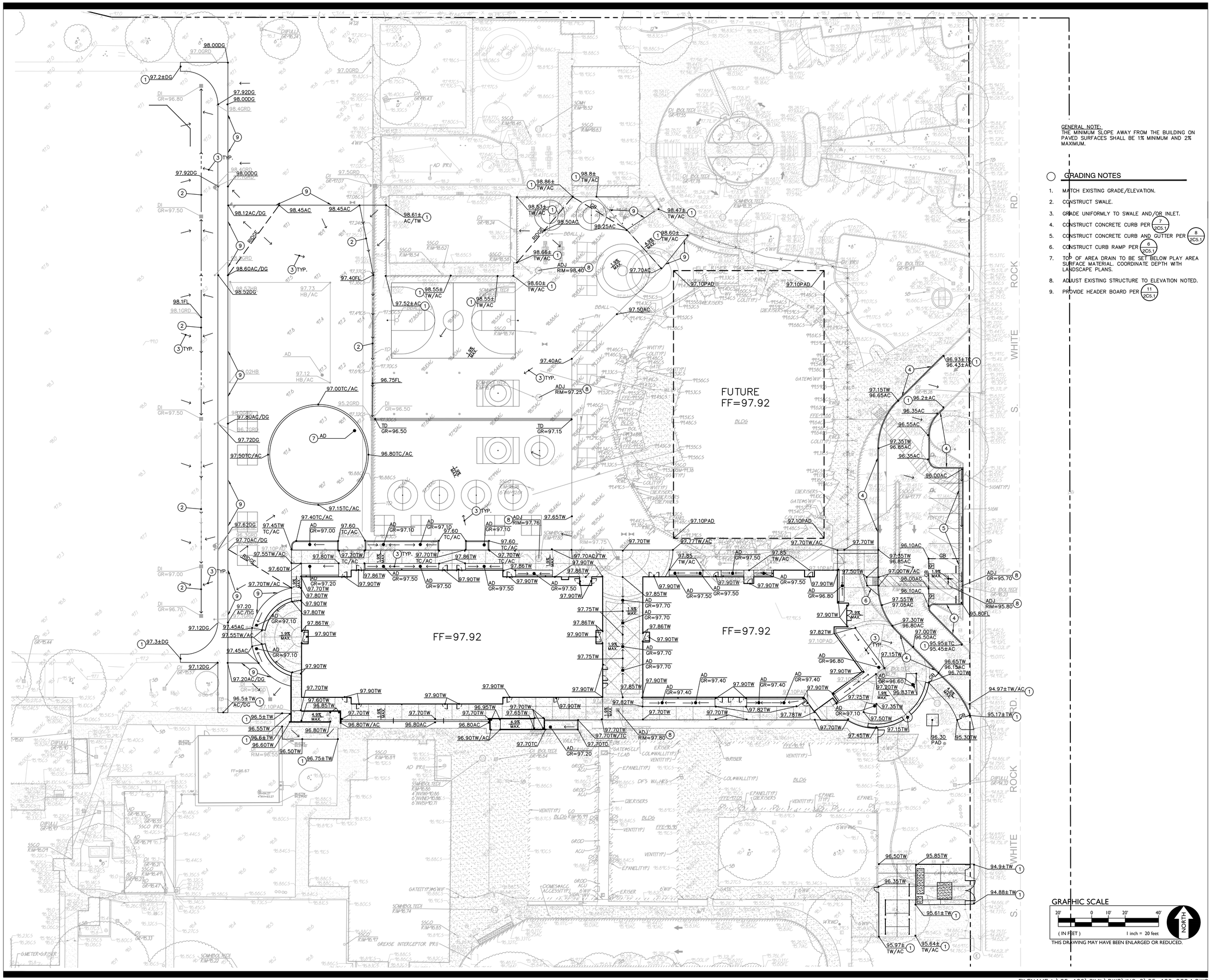
FUTURE
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FF=97.92
FF=97.92
S. WHITE ROCK RD.
S. WHITE ROCK RD.
98.00DG
97.0GRD
97.2±DG
97.92DG
98.00DG
98.4GRD
97.92DG
98.00DG
98.12AC/DG
98.45AC
98.45AC
98.61± AC/TW
98.60AC/DG
97.40FL
98.1FL
98.1GRD
96.52DG
97.73 HB/AC
97.12 HB/AC
97.00TC/AC
95.2GRD
97.80AC/DG
96.7GRD
97.72DG
97.50TC/AC
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97.12DG
97.20AC/DG
96.5±TW AC/DG
97.3±DG
96.5±TW
96.55TW
96.6±TW
96.60TW
96.50TW
96.75±TW
96.80TW/AC
96.80AC
96.90TW/AC
97.70TC
97.70TW/TC
ADJ RIM=97.80
AD GR=97.20
97.70AC/TW
97.90TW
97.85TW/AC
97.75TW
97.85TW
97.82TW
97.78TW
97.45TW
97.15TW
97.50TW
97.10PAD
97.77TW/AC
97.70TW/AC
97.85 TW/AC
97.50TW
97.82TW
97.10PAD
97.70TW
96.10AC
97.55TW 96.85AC
97.00TW/AC
96.00AC
96.10AC
97.55TW 97.05AC
97.30TW 96.80AC
97.00TW 96.50AC
95.95±TC 95.45±AC
96.65TW 96.15AC 96.70TW
96.83TW
97.35TW
96.30 PAD
95.30TW
94.97±TW/AC
95.17±TW
96.93±TC 96.43±AC
96.2±AC
96.35AC
96.55AC
97.35TW 96.85AC
96.35AC
96.00AC
95.85TW
94.9±TW
96.35TW
94.88±TW
95.61±TW
95.97± TW/AC
95.64± TW/AC
95.80FL
ADJ RIM=95.70
ADJ RIM=95.80
98.8± TW/AC
98.86± TW/AC
98.53± TW/AC
98.50AC
98.25AC
98.66± TW/AC
98.60± TW/AC
98.47± TW/AC
98.60± TW/AC
ADJ RIM=98.40
97.70AC
98.55± TW/AC
98.55± TW/AC
98.60± TW/AC
97.52±AC
97.50AC
97.40AC
ADJ RIM=97.25
96.75FL
TD GR=96.50
TD GR=97.15
DI GR=96.50
DI GR=97.50
DI GR=97.00
DI GR=96.70
DI GR=97.50
DI GR=97.07
DI GR=96.80
DI GR=96.43
DI GR=97.55
DI GR=97.78
DI GR=97.44
DI GR=96.57
DI GR=96.33
DI GR=96.21
DI GR=96.47
DI GR=96.23
DI GR=96.21
DI GR=96.32
DI GR=96.10
DI GR=96.09
DI GR=96.10
DI GR=96.09
DI GR=96.55
DI GR=96.55
DI GR=96.55

WATER NOTES

1. CONNECT TO BUILDING DOMESTIC SUPPLY. COORDINATE WITH PLUMBING PLANS.
2. PROVIDE PIPE BOLLARD PER (12 / 2C5.1)
3. CONNECT TO BUILDING SPRINKLER SUPPLY. COORDINATE WITH FIRE SPRINKLER PLANS.

SEWER NOTES

21. CONECT TO EXISTING 6" SEWER, POTHOLE AND FIELD VERIFY LOCATION AND DEPTH PRIOR TO ANY SITE TRENCHING.

DRAINAGE NOTES

41. CONNECT TO EXISTING DRAIN INLET OR PIPE. POTHOLE AND FIELD VERIFY LOCATION AND DEPTH PRIOR TO ANY SITE TRENCHING.
42. CONSTRUCT TRENCH DRAIN PER (5 / 2C5.1)
43. PLACE 4" SUBDRAIN PER (9 / 2C5.1) S=0.010 MIN.
44. CONSTRUCT AREA DRAIN PER (2 / 2C5.1)
45. CONSTRUCT STORM DRAIN CLEANOUT PER (4 / 2C5.1)
46. PLACE 4" STORM DRAIN PER
47. PLACE 6" STORM DRAIN PER (3 / 2C5.1)
48. PLACE 8" STORM DRAIN PER
49. PROVIDE DOWNSPOUT CONNECTION PER (10 / 2C5.1)

GRAPHIC SCALE

20' 0 10' 20' 40' (IN FEET) 1 inch = 20 feet NORTH

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DATE: 07/31/2026

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DRAWING STATUS — DATE

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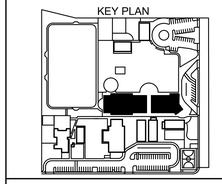
KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

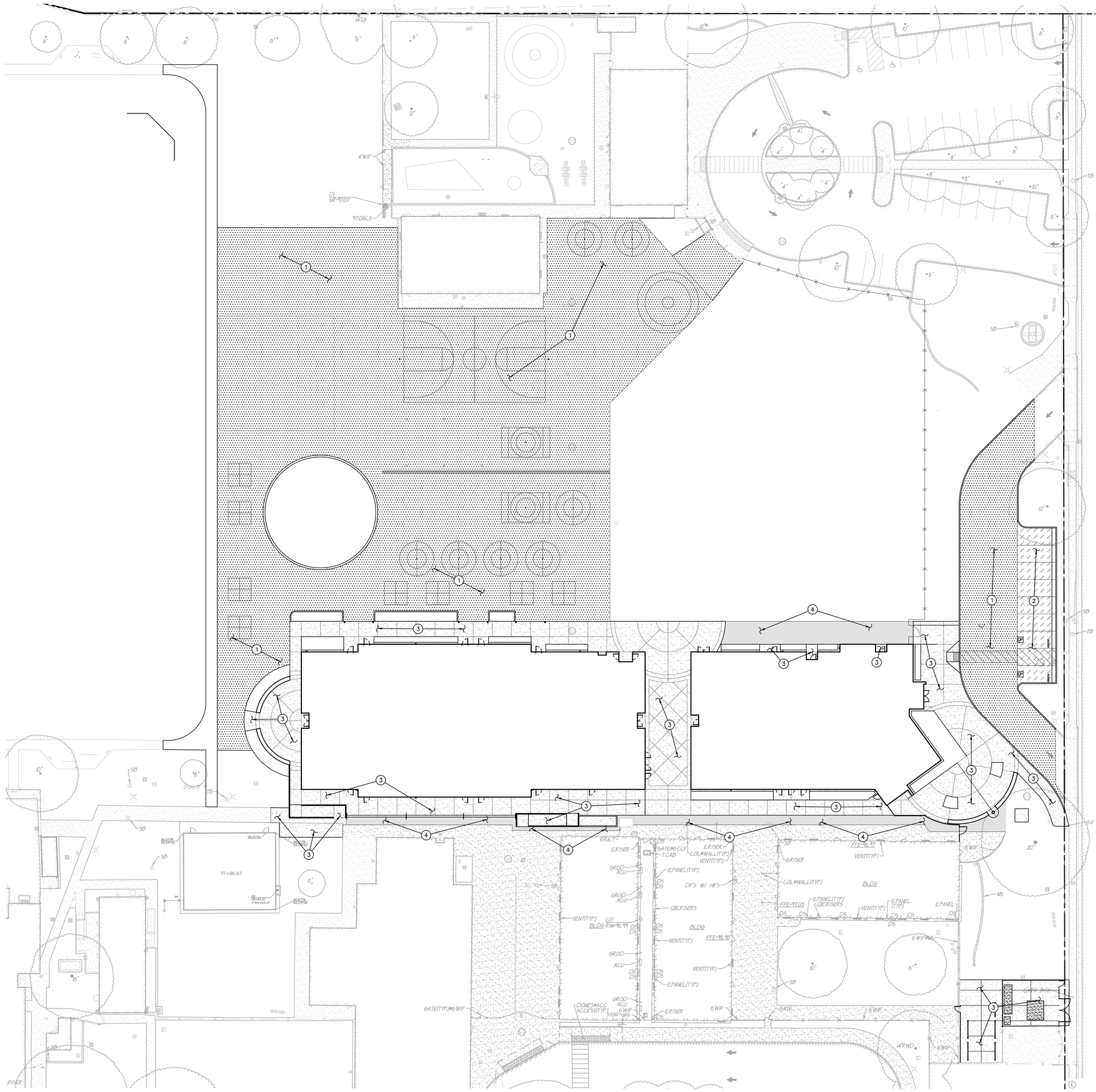
DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

UTILITY PLAN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2C3.1
Drawn MG/ML	Checked MG

FILENAME: I:\25-129\CIVIL\DWG\INC 2\25-129 2C3.1.DWG



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	REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO NO. C74636 STATE OF CALIFORNIA 07/09/2026

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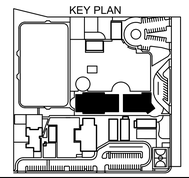
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS — DATE
- ○ DSA PLAN CHECK
- ● DSA BACK CHECK
- ○ BIDDING
- ○ CONSTRUCTION

KEY PLAN



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1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

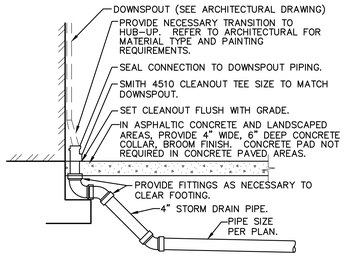
DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

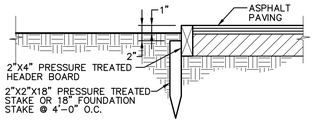
PAVING PLAN

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number **2C4.1**
Drawn MG/ML	Checked MG

FILENAME: I:\25-129\CIVIL\DWG\INC 2\25-129 2C4.1.DWG

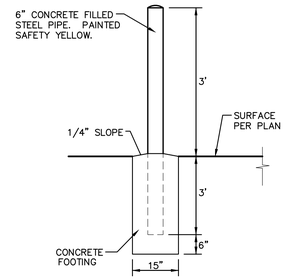


10 2C5.1 DOWNSPOUT CONNECTION
NO SCALE

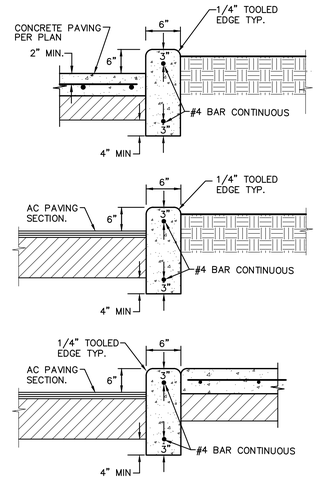


11 2C5.1 HEADER BOARD
NO SCALE

NOTE:
1. PROVIDE 36" MIN. CLEARANCE FROM OBJECT BEING PROTECTED.
2. PLACE BOLLARDS IN A POSITION THAT DOES NOT INTERFERE WITH FIRE HYDRANT OUTLETS.



12 2C5.1 PIPE BOLLARD
NO SCALE

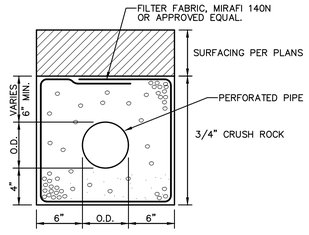


NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. MAXIMUM PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAXIMUM, EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

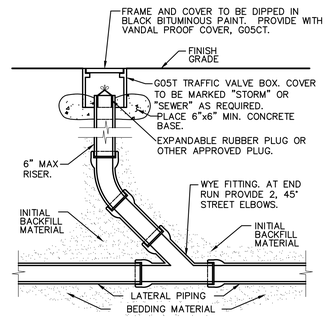
7 2C5.1 CONCRETE CURB
NO SCALE

NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS. SEAL E.J. WITH APPROVED JOINT SEALANT.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR,GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

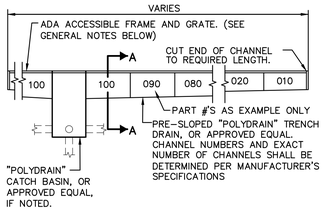
8 2C5.1 CONCRETE CURB AND GUTTER
NO SCALE

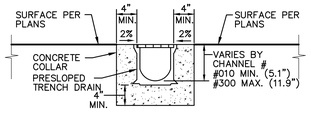


9 2C5.1 SUBDRAIN TRENCH DETAIL
NO SCALE



4 2C5.1 CLEANOUT
NO SCALE

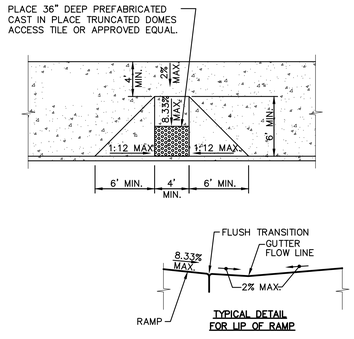




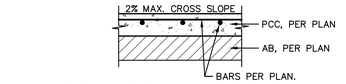
SECTION A-A

GENERAL NOTES:
1. GRATE SHALL ADA ACCESSIBLE, POLYDRAIN MODEL 2410 OR APPROVED EQUAL. IF PLACED IN FIRE LANE OR AREA DESIGNATED FOR VEHICLE TRAFFIC PROVIDE POLYDRAIN MODEL 2506.
2. IF TRENCH DRAIN IS PLACED IN FIRE LANE OR AREA DESIGNATED FOR VEHICLE TRAFFIC PROVIDE GALVANIZED STEEL "OVERLAY RAILS" AS SUPPLIED BY POLYDRAIN, OR APPROVED EQUAL.
3. CONTRACTOR SHALL FURNISH AND INSTALL A MODEL 2811B LOCKING DEVICE, OR APPROVED EQUAL, FOR ALL TRENCH DRAIN GRATES.
4. CONTRACTOR SHALL FURNISH AND INSTALL A TRASH BUCKET, MODEL 2900, IN ALL TRENCH DRAIN CATCH BASINS.
5. CONTRACTOR SHALL PURCHASE AND FURNISH THE MAINTINANCE/OPERATIONS DEPARTMENT OF THE SCHOOL WITH 2 MODEL 2231 TRENCH DRAIN SHOVEL HEADS, WITH STANDARD WOOD, OR COMPOSITE HANDLES.
6. ALL MITERED JOINTS SHALL BE SEALED WITH POLYDRAIN "POLYSEAL" CAULKING OR APPROVED EQUAL.

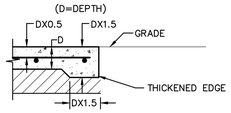
5 2C5.1 TRENCH DRAIN DETAIL
NO SCALE



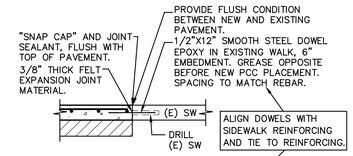
6 2C5.1 CURB RAMP
NO SCALE



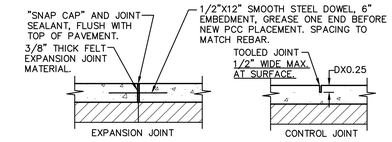
TYPICAL SECTION



TYPICAL THICKENED EDGE



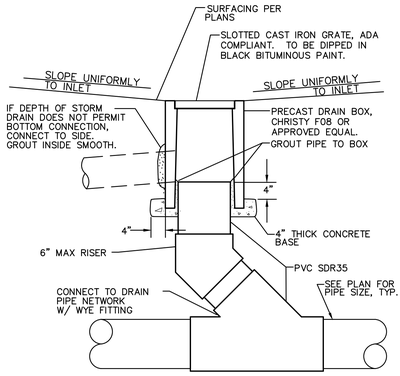
CONNECTION TO (E) CONCRETE



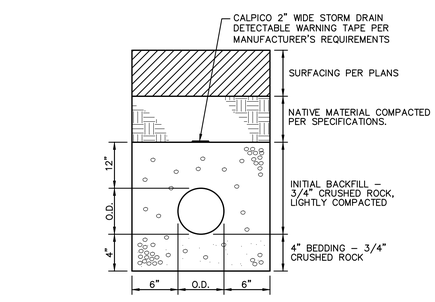
TYPICAL JOINTS

NOTES:
1. PROVIDE FELT EXPANSION JOINTS AT 20 FEET O.C. MAX. SEE PLAN FOR LAYOUT.
2. PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAX. SEE PLAN FOR LAYOUT.
3. EXPANSION OR CONTROL JOINTS SHALL NOT EXCEED 1/2" IN SURFACE WIDTH.

1 2C5.1 CONCRETE SIDEWALK
NO SCALE



2 2C5.1 AREA DRAIN
NO SCALE



3 2C5.1 STORM DRAIN TRENCH
NO SCALE

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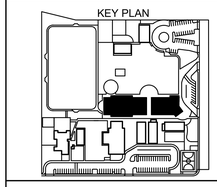
KEY PLAN



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1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

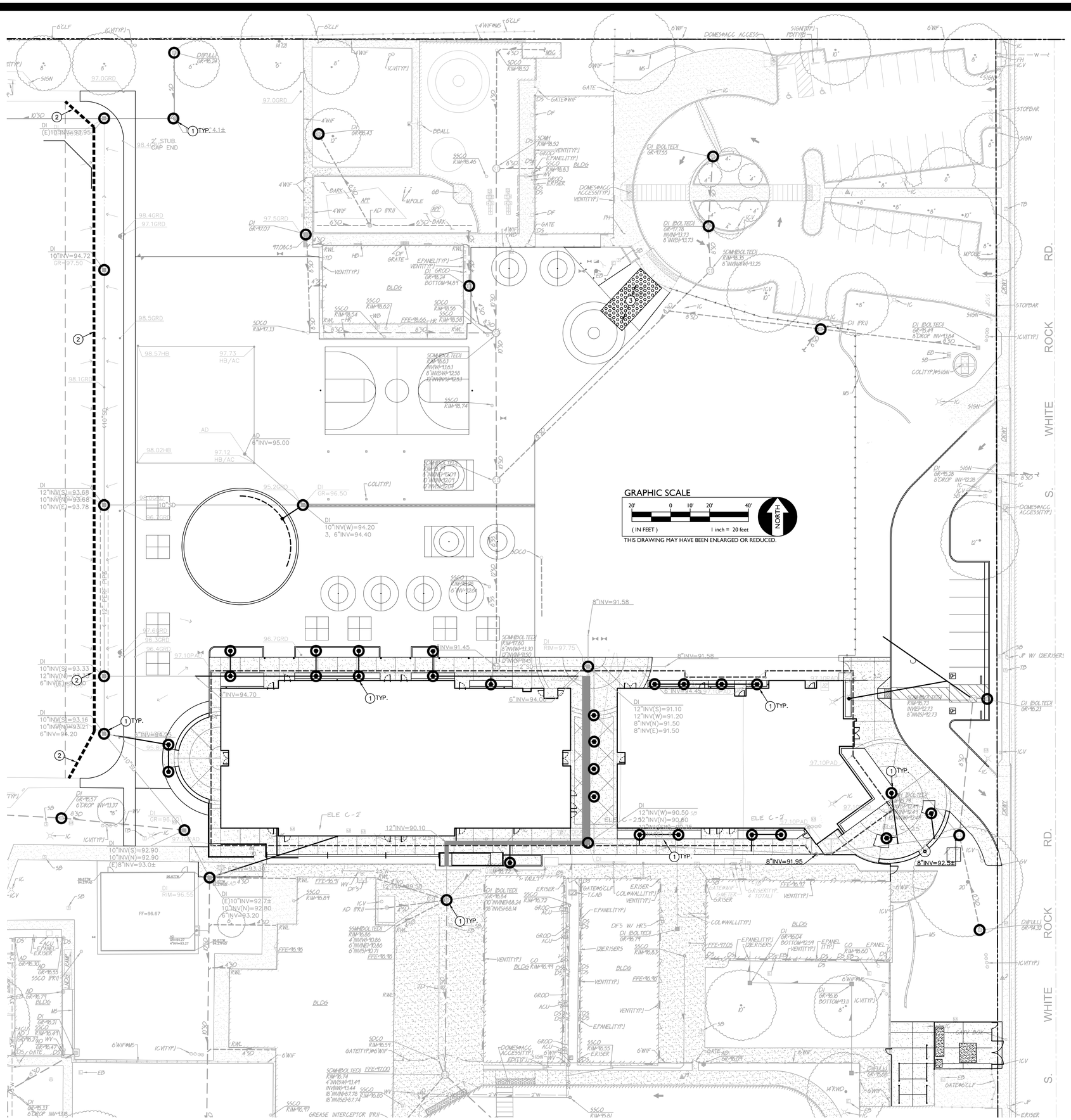
DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

DETAILS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2C5.1
Drawn MG/ML	Checked MG

FILENAME: I:\25-129\CIVIL\DWG\INC 2\25-129 2C5.1.DWG



EROSION AND SEDIMENT CONTROL GENERAL NOTES

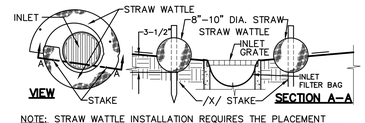
1. IF CERTAIN SOIL TYPES (E.G. COLLOIDAL SOILS) ARE DETECTED, THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL TREATMENT MEASURES PRIOR TO DISCHARGE.
2. CONTRACTOR IS RESPONSIBLE FOR THE DEWATERING AND REMOVAL OF ALL TEMPORARY EROSION CONTROL DEVICES JUST PRIOR TO THE COMMENCING OF THE FINAL GRADING AND PAVING OPERATIONS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THE SITE TO MINIMIZE DUST CREATED DURING CONSTRUCTION.
4. PRIOR TO PLACEMENT OF HYDRO SEEDING, REMOVE TEMPORARY EROSION CONTROL MEASURES (STRAW WATTLE FENCE AND TRACKED LOOSE STRAW).
5. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPLIANCE WITH STATE WATER RESOURCES CONTROL BOARD REQUIREMENTS.
6. ALL MATERIALS USED AND STORED ON-SITE SHALL HAVE PROPER ENCLOSURES AND/OR COVERINGS.
7. CONTRACTOR SHALL MAINTAIN ALL WATTLE OR SILT FENCES AND OTHER STORM WATER POLLUTION PREVENTION DEVICES THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL INSPECT ALL EROSION CONTROL DEVICES WEEKLY AS WELL AS BEFORE, DURING, AND AFTER A STORM EVENT. CONTRACTOR SHALL REMOVE ALL EROSION CONTROL AND POLLUTION PREVENTION DEVICES AT THE END OF CONSTRUCTION AS REQUIRED. REFER TO SPECIFICATIONS AND ADDITIONAL REQUIREMENTS.
8. CONTRACTOR SHALL PROVIDE AND MAINTAIN CONSTRUCTION FENCING THROUGHOUT THE PROJECT. THIS FENCING SHALL DETER PEDESTRIANS AND NON-CONSTRUCTION RELATED PERSONNEL FROM ENTERING THE CONSTRUCTION SITE AREA TO THE GREATEST POSSIBLE EXTEND. THE CONTRACTOR SHALL COORDINATE THIS FENCING LAYOUT WITH SCHOOL DISTRICT PERSONNEL PRIOR TO ANY FENCING PLACEMENT SO AS TO NOT SIGNIFICANTLY INTERFERE WITH SCHOOL OPERATION.
9. CONTRACTOR SHALL ADEQUATELY PREVENT EXCESSIVE AMOUNTS OF MUD, SAND, DIRT, AND OTHER DEBRIS FROM BEING TRACKED ONTO THE STREET FROM CONSTRUCTION VEHICLE MOVEMENT. PROVIDE WASHING FACILITIES AT CONSTRUCTION ENTRANCE IF NECESSARY.
10. DURING THE WET SEASON IT IS NECESSARY TO USE STRAW MULCH, SOIL BINDER OR EROSION CONTROL BLANKETS/MATS IN CONJUNCTION WITH HYDROSEEDING FOR THE TEMPORARY PROTECTION OF DISTURBED SOIL. HYDROSEEDING MAY BE USED ALONE ONLY WHEN THERE IS SUFFICIENT TIME TO ENSURE ADEQUATE VEGETATION ESTABLISHMENT BEFORE THE START OF THE RAINY SEASON.

LEGEND

EROSION CONTROL NOTES

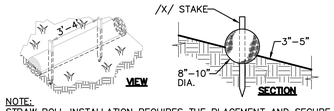
NOTE: EXACT LOCATION WILL BE COORDINATED BY CONTRACTOR AND PROJECT QSP.

1. CONTRACTOR SHALL PROVIDE STRAW WATTLE BARRIER AT ALL INLETS (NEW AND/OR EXIST.) IN AREAS OF ON-SITE WORK PER THE DETAIL PROVIDED. IN ADDITION TO WATTLE, PROVIDE FILTER BAG AT EACH INLET. STRAW WATTLES NOT REQUIRED AT INLETS IN PAVED AREAS, ONLY FILTER BAG. (1 / 2C6.1)
2. CONTRACTOR SHALL PROVIDE STRAW WATTLES AT PERIMETER OF SITE PER DETAIL (2 / 2C6.1)
3. CONTRACTOR SHALL PROVIDE STABILIZED CONSTRUCTION SITE ACCESS PER DETAIL (3 / 2C6.1)



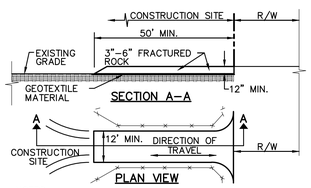
NOTE: STRAW WATTLE INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE WATTLE IN A TRENCH, 3-1/2" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

1 / 2C6.1 STRAW WATTLE INLET FILTER
NO SCALE



NOTE:
STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3"-5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

2 / 2C6.1 STRAW ROLLS
NO SCALE



NOTES:
1. STABILIZED CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED OF 3"-6" ANGULAR ROCK MATERIAL CONFORMING TO SECTION 26 OF STATE SPECIFICATIONS PLACED OVER GEOTEXTILE MATERIAL. ROCK SHALL BE PLACED TO A MINIMUM THICKNESS OF SIX INCHES. THE METHOD OF PLACING, SPREADING AND COMPACTING ROCK SHALL CONFORM TO SECTION 26 OF THE STATE SPECIFICATIONS.
2. LENGTH OF SITE ACCESS SHALL BE A MINIMUM LENGTH OF FIFTY FEET. WIDTH SHALL BE A MINIMUM WIDTH OF TWELVE FEET OR AS NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS.
3. THE SITE ACCESS SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING.

3 / 2C6.1 STABILIZED CONSTRUCTION SITE ACCESS
NO SCALE

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

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WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO NO. C74826 STATE OF CALIFORNIA 07/09/2026

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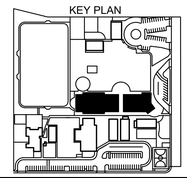
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS — DATE
- ○ DSA PLAN CHECK
- ● DSA BACK CHECK
- ○ BIDDING
- ○ CONSTRUCTION

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

EROSION CONTROL PLAN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2C6.1
Drawn / Checked	
MG/ML / MG	

FILENAME: I:\25-129\CIVIL\DWG\INC 2\25-129 2C6.1.DWG

CORDOVA VILLA ELEMENTARY SCHOOL

RANCHO CORDOVA, CALIFORNIA

LANDSCAPE NOTES

GENERAL

1. CONSTRUCTION DRAWINGS ARE PART OF THE PROJECT CONTRACT DOCUMENTS. BY SUBMITTING A BID OR STARTING WORK, THE CONTRACTOR SIGNIFIES UNDERSTANDING AND ACCEPTANCE OF ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS PROVIDED BY THE OWNER, INCLUDING BUT NOT LIMITED TO THE GENERAL CONDITIONS, SPECIAL CONDITIONS, PROJECT SPECIFICATIONS AND ANY ADDENDA (AS APPLICABLE).
2. CONTRACTOR SHALL EXAMINE THE SITE AND COMPARE THE CONTRACT DOCUMENTS TO SITE CONDITIONS. NO ALLOWANCE SHALL SUBSEQUENTLY BE MADE ON BEHALF OF THE CONTRACTOR ON ACCOUNT OF CONTRACTOR'S ERROR, NEGLIGENCE OR FAILURE TO BECOME ACQUAINTED WITH THE CONDITIONS OF THE SITE UNDER WHICH THE WORK IS TO BE PERFORMED BEFORE ENTERING INTO THIS CONTRACT.
3. THE WORK SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES, INCLUDING AIR QUALITY AND NOISE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO THE START OF WORK.
5. CONFIRM WORK HOUR REQUIREMENTS WITH THE OWNER.
6. THE CONTRACTOR SHALL SUPERVISE AND DIRECT ALL WORK, INCLUDING COORDINATION OF TRADES. ALL WORK SHALL BE ACCOMPLISHED BY LICENSED CONTRACTORS AND EXPERIENCED WORKERS. THE CONTRACTOR SHALL EMPLOY A SUPERINTENDENT TO SUPERVISE THE WORK ON SITE WHO SHALL BE THE CONTRACTORS REPRESENTATIVE.
7. IF ANY HAZARDOUS MATERIALS, BURIAL MARKERS, ARCHEOLOGICAL MATERIALS OR WETLANDS ARE FOUND, CONTRACTOR SHALL SUSPEND WORK IMMEDIATELY AND NOTIFY THE OWNER IN WRITING. WORK SHALL BE SUSPENDED UNTIL THE SIGNIFICANCE OF THE DISCOVERY IS ASSESSED BY A QUALIFIED PROFESSIONAL AND MITIGATION MEASURES ARE APPROVED.
8. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL PROVIDE AND PAY FOR LABOR, MATERIALS, EQUIPMENT, TOOLS, MACHINERY, UTILITIES, TRANSPORTATION AND OTHER FACILITIES AND SERVICES NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK, WHETHER TEMPORARY OR PERMANENT, AND WHETHER INCORPORATED OR NOT INCORPORATED IN THE WORK.
9. DURING PROGRESSION OF THE WORK, THE CONTRACTOR SHALL MAINTAIN A COPY OF THE DRAWINGS ON SITE IN A NEAT AND ORDERLY MANNER, INCLUDING ALL ADDENDA, REQUESTS FOR INFORMATION, SUPPLEMENTAL INFORMATION, APPROVED SUBSTITUTIONS, APPROVED SHOP DRAWINGS, AND OTHER DOCUMENTS MARKED TO INDICATE FIELD CHANGES AND AS-BUILT CONDITIONS.
10. LANDSCAPE SUBMITTALS: INCLUDE, AT A MINIMUM, MANUFACTURERS PRODUCT SHEETS, SOIL AMENDMENTS, IRRIGATION EQUIPMENT, PLANT LISTS AND BARK SAMPLES. SUBMITTALS SHALL CLEARLY INDICATE PROPOSED COLORS. INCLUDE A TABLE OF CONTENTS SUMMARIZING ALL ITEMS. SUBMITTALS AND MATERIAL SAMPLES SHALL BE PROVIDED A MINIMUM OF 45 DAYS PRIOR TO MATERIAL ORDERING TO ACCOUNT FOR REVIEW AND ORDERING LEAD TIME. NO EXTENSIONS OF CONTRACT TIME WILL BE GRANTED DUE TO MATERIAL PROCUREMENT LEAD TIMES.

SITE

1. VISUALLY INSPECT AND DOCUMENT ANY DAMAGE TO EXISTING FEATURES ON SITE PRIOR TO STARTING THE WORK. ANY EXISTING FEATURES AND/OR STRUCTURES NOT SPECIFICALLY NOTED FOR REMOVAL SHALL BE RETAINED AND PROTECTED IN PLACE. DAMAGE TO STREETS, SIDEWALKS, ADJACENT PROPERTIES OR OTHER FEATURES THAT ARE TO REMAIN SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
2. THE CONTRACTOR SHALL PERFORM ALL CLEARING, DEMOLITION, REMOVAL AND SITE PREPARATION NECESSARY FOR THE PROPER EXECUTION OF ALL WORK DESCRIBED WITHIN THIS PLAN SET. ANY ITEMS REQUIRED TO BE REMOVED SHALL BE LEGALLY DISPOSED OF OFF-SITE. LAWN OR WEED REMOVAL SHALL BE COMPLETELY ERADICATED BY USING HERBICIDE AND MECHANICAL MEANS FOR REMOVAL.
3. EXISTING TREES AND SHRUBS TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. AVOID ROOT AND INSTALL PROTECTIVE FENCING AROUND ALL TREES THAT WILL REMAIN 24" OUTSIDE THE CANOPY LIMITS. IF IRRIGATION IS REMOVED OR INTERRUPTED, PROVIDE TEMPORARY OR SUPPLEMENTAL WATERING AS NEEDED UNTIL A PERMANENT SYSTEM IS RE-ESTABLISHED. RECONNECT ANY EXISTING IRRIGATION LINES THAT SERVICE EXISTING PLANTER AREAS TO REMAIN WITH A MAXIMUM 24-HOUR PERIOD.
4. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST AT ALL TIMES. DUST CONTROL MEASURES MUST BE IMPLEMENTED AS NECESSARY, INCLUDING DAYS WHEN CONSTRUCTION ACTIVITIES ARE NOT OCCURRING (I.E. EVENINGS, WEEKENDS OR HOLIDAYS).
5. COMPACTION BY JETTING SHALL NOTE BE PERMITTED.
6. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AN ELECTRICAL CONNECTION IN THE FIELD FOR THE IRRIGATION CONTROLLER. COORDINATE THE ELECTRICAL WORK WITH OTHER TRADES.
7. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AN ELECTRICAL CONNECTION IN THE FIELD FOR THE IRRIGATION CONTROLLER. COORDINATE THE ELECTRICAL WORK WITH OTHER TRADES.
8. THE TOP SIX (6) INCHES OF ALL PLANTED AREAS SHALL BE FREE OF STONES, STUMPS OR OTHER DELETERIOUS MATTER ONE (1) INCH IN DIAMETER OR LARGER. PREP ALL PLANTED ARES TO REMOVE ANY CONSTRUCTION DEBRIS OR MATERIAL USED IN THE INSTALLATION OF ADJACENT AREAS OR SCOPE BY OTHER TRADES. DIRT CLODS SHALL BE BROKEN DOWN AND MIXED AS A HOMOGENEOUS BLEND WITH PLANTER SOIL.
9. UNTIL PROJECT ACCEPTANCE, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT AND MAINTAIN THE JOB SITE, INCLUDING ERECTING TEMPORARY FENCING, REMOVING TRASH, SWEEPING AND CLEANING. THE JOB SITE SHALL BE KEPT IN A NEAT AND CLEAN CONDITION AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS ON THE JOB SITE AND SHALL REPLACE ANY MATERIALS DAMAGED OR LOST THROUGH THEFT OR OTHER REASONS AT NO ADDITIONAL COST TO THE OWNER.

LANDSCAPE MAINTENANCE

1. THE MAINTENANCE PERIOD FOR THE PROJECT SHALL BE A MINIMUM OF 120 WORKING DAYS. THE CONTRACTOR SHALL INCLUDE A MINIMUM OF TWO DAYS PER WEEK OF SITE MAINTENANCE THROUGHOUT THE DURATION OF THE MAINTENANCE PERIOD.
2. THE MAINTENANCE PERIOD SHALL NOT BEGIN UNTIL ALL AREAS ARE INSTALLED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND WRITTEN NOTICE IS PROVIDED BY THE OWNER. A PRIME REQUIREMENT TO STARTING THE MAINTENANCE PERIOD, IS THAT ALL LANDSCAPE AREAS ARE PLANTED, WEED FREE, AND GROWING IN A HEALTHY VIGOROUS RATE; LAWN AREAS SHALL BE MOWN TWICE (AS APPLICABLE).
3. BEGIN MAINTAINING ALL AREAS IMMEDIATELY UPON INSTALLATION, REGARDLESS IF THE MAINTENANCE PERIOD HAS BEGUN. MAINTENANCE SHALL INCLUDE ALL LANDSCAPE COMPONENTS WITHIN THE CONTRACT DOCUMENTS. WORK SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO WEEDING, SHRUB AND TREE CARE, IRRIGATION REPAIRS, IRRIGATION SCHEDULING AND ADJUSTMENTS, GENERAL CLEAN-UP, AND SITE MONITORING. ALL TRASH/DEBRIS SHALL BE COLLECTED AND LEGALLY DISPOSED OF OFF-SITE.
4. APPLY FERTILIZER PER THE RECOMMENDATIONS OF THE SOILS ANALYSIS. HAND WATER TO INCORPORATE INTO THE SOIL.
5. ALL PLANTER AREAS SHALL CONTAIN MINIMUM BARK DEPTHS NOTED ON THE PLANS AT ALL TIMES. REPLACE AND/OR FILL BARK AS NEEDED TO MAINTAIN MINIMUM DEPTHS UNTIL THE COMPLETION OF THE MAINTENANCE PERIOD.
6. PLANTER AREAS SHALL BE WEED-FREE AT ALL TIMES. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONTINUOUSLY MAINTAINING ALL AREAS IN A WEED-FREE CONDITION BY USE OF HERBICIDES OR OTHER MEASURES, INCLUDING HAND WEEDING. SELECTIVE HERBICIDES SHALL BE USED AS NECESSARY TO MITIGATE CERTAIN WEEDS THAT MAY BE PRESENT.
7. PRIOR TO THE START OF THE MAINTENANCE PERIOD, THE CONTRACTOR SHALL PROVIDE THE COMPLETED CERTIFICATE OF COMPLETION FORM. FAILURE TO SUBMIT THE CERTIFICATE WILL DELAY THE FINAL APPROVAL OF THE LANDSCAPE AND PROJECT CERTIFICATE OF OCCUPANCY.
8. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A FINAL LANDSCAPE REVIEW WITH THE OWNER PRIOR TO THE CONCLUSION OF THE MAINTENANCE PERIOD. THE MAINTENANCE PERIOD SHALL BE EXTENDED, AT NO ADDITIONAL COST TO THE OWNER, IN THE EVENT THAT ANY LANDSCAPE AREAS FAIL TO MEET THE SPECIFICATIONS OUTLINED HEREIN OR IF THE CONTRACTOR HAS NOT PROVIDED ALL REQUIRED CLOSEOUT DOCUMENTATION TO THE OWNER. REQUIRED CLOSE-OUT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO: FINAL RECORD DRAWINGS, LAMINATED CONTROLLER CHARTS, OPERATION AND MAINTENANCE (O&M) PROCEDURES AND MANUALS, AND WRITTEN VERIFICATION THAT ALL PUNCH LIST ITEMS HAVE BEEN CORRECTED TO THE SATISFACTION OF THE OWNER. THE DURATION OF EXTENSIONS WILL REMAIN OPEN-ENDED AND WILL CONTINUE AS NECESSARY UNTIL ALL DELIVERABLES AND WORK IS COMPLETED TO THE SATISFACTION OF THE OWNER.

CERTIFICATE OF COMPLETION

CALIFORNIA MODEL WATER EFFICIENT LANDSCAPE ORDINANCE

ELEMENT 1- PROJECT INFORMATION SHEET

Project Applicant Information	
Name of Project Applicant (or designee if applicable):	Project Name:
Name of Property Owner (if different):	Title:
Street Address:	Water Supply Type (Circle One): Potable/Recycled/Well/Other (specify)
City, State:	Water Purveyor:
Zip Code:	Phone No:
Fax Number:	Email:
Company:	
Project Address and Location:	
Street Address:	Parcel, tract, or lot number (if available):
City:	Meter number(s) (if available):
Zip Code:	Latitude/Longitude (optional):

ELEMENT 2- CERTIFICATION OF INSTALLATION ACCORDING TO THE LANDSCAPE DOCUMENTATION PACKAGE

Certification by the designer of record that the landscape project has been installed per the approved Landscape Documentation

"I/we certify that based on periodic site observations, the work has been completed in accordance with the model ordinance and that the landscape planting and irrigation installation conform with the criteria and specifications of the approved landscape documentation package"

Primary Designer of Record Signature — Date

Secondary Designer of Record Signature — Date

ELEMENT 3- SOIL MANAGEMENT REPORT

Attach soil management report if not previously submitted with the Landscape Documentation Package per model ordinance Section 491.4(b). Attach documentation verifying implementation of recommendations from soil analysis management report per model ordinance Section 493.1.

ELEMENT 4- IRRIGATION SCHEDULING PARAMETERS

Attach irrigation scheduling parameters used to set the automatic irrigation controller per model ordinance Section 493.4.

ELEMENT 5- LANDSCAPE AND IRRIGATION MAINTENANCE SCHEDULE

Attach landscape and irrigation maintenance schedule per model ordinance section 493.5.

(A) Where there have been significant changes made in the field during construction, "as-built" or record drawings shall be included.

(B) A diagram of the irrigation plan showing hydrozones shall be kept with the automatic irrigation controller for subsequent management purposes.

ELEMENT 6-IRRIGATION AUDIT REPORT

Attach Irrigation Audit Report per model ordinance section 493.6.

PROJECT APPLICANT SIGNATURE

"I/we certify that I/we have received copies of all the documents within the Certificate of Completion Package and that it is our responsibility to see that the project is maintained in accordance with the Landscape and Maintenance Schedule."

Project Applicant (or designee) Signature — Date

Please answer the questions below:

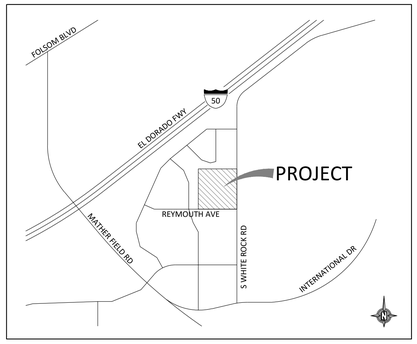
1. Date the Landscape Documentation Package was submitted to the local agency: _____
2. Date the Landscape Documentation Package was approved by the local agency: _____
3. Date that a copy of the Water Efficient Landscape Worksheet (including the water budget calculation) was submitted to the local water purveyor: _____

Note:
Contractor must provide all items stated within the certificate of completion package and is solely responsible for obtaining all required signatures needed to complete this form. Completion of the form and submission of all required elements of the certificate must be provided prior to the start of the landscape maintenance period. Failure to provide the completed form and required documents will delay the start of maintenance period.

SHEET INDEX

2L1.0	LANDSCAPE COVER SHEET
2L2.0	IRRIGATION DETAILS
LL2.1	EXISTING VALVE MAP
2L2.2	IRRIGATION PLAN
2L2.3	IRRIGATION PLAN
2L3.0	PLANTING NOTES AND DETAILS
2L3.1	PLANTING PLAN
2L4.0	PLAY AREA DETAILS
2L4.1	PLAY AREA PLAN

VICINITY MAP-NTS



SHADE CALCULATIONS

LANDSCAPE AREA SHADE

TREE	
CRAPE MYRTLE ACER/RHAPH	14 x 100 = 1,400 19 X 25 = 475

LANDSCAPE AREA: 2,722 SF
TOTAL SHADE PROVIDED: 1,875 SF
SHADE PERCENTAGE: 69%
MINIMUM 20% SHADE COVERAGE REQUIRED WITHIN 15 YEARS

HARDSCAPE AREA SHADE

TREE	
CRAPE MYRTLE CRAPE MYRTLE PISTACHE	2 X 314 = 628 14 X 157 = 2,198 1X 481 = 481

HARDSCAPE AREA: 12,194 SF
TOTAL SHADE PROVIDED: 3,307 SF
SHADE PERCENTAGE: 27%
MINIMUM 20% SHADE COVERAGE REQUIRED WITHIN 15 YEARS

PARKING

TREE	
PISTACHE EXISTING	1 X 481 = 481 151

PARKING AREA: 1,240 SF
TOTAL SHADE PROVIDED: 632 SF
SHADE PERCENTAGE: 51%
MINIMUM 20% SHADE COVERAGE REQUIRED WITHIN 15 YEARS

LANDSCAPE ARCHITECT

MSLA LANDSCAPE ARCHITECTURE, INC.
306 Canyon Falls Drive
Folsom, California 95630
(916) 989-3372
Contact: Michael Shular
Email Address: mshular@msladesign.com

LANDSCAPE COMPLIANCE STATEMENT:

I HAVE COMPLIED WITH THE CRITERIA OF THE WATER EFFICIENT ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN.

SIGNED — 7/13/2026 DATE

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
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STUDIO W ARCHITECTS
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1930 H Street
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ARCHITECT	LANDSCAPE ARCHITECT
LICENSED ARCHITECT BRYAN P. WHITMORE No. C 30345 Ren. 9/30/27 STATE OF CALIFORNIA	LICENSED LANDSCAPE ARCHITECT MICHAEL SHULAR No. 6064 Signature Exp. 05.31.27 Renewal Date STATE OF CALIFORNIA
DATE SIGNED: 07/13/2026	DATE SIGNED: 07/13/2026

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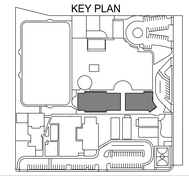
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



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1965 BIRKMONT DRIVE
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CORDOVA VILLA ELEMENTARY SCHOOL
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LANDSCAPE COVER SHEET

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2L1.0
Drawn / Checked	
Staff / MS	

PRINT DATE: 6/10/2026 5:16:21 PM
FILE PATH: Autodesk Docs://25010 FCUSD Cordova Villa ES Mod/25010.1 - FCUSD Cordova Villa ES Mod - Phase 1.rvt

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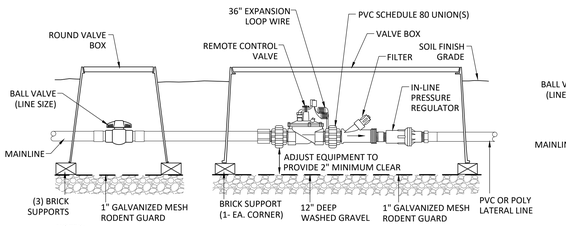
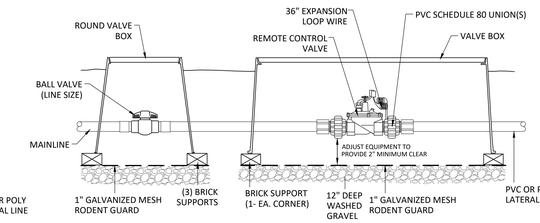
IRRIGATION NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO LOCAL CODES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO THE START OF WORK.
2. THESE IRRIGATION DESIGN PLANS ARE DIAGRAMMATIC IN NATURE. SOME EQUIPMENT MAY BE SHOWN WITHIN PAVED AREAS OR AREAS GENERALLY NOT INTENDED FOR INSTALLATION FOR PLAN CLARITY. THE ACTUAL LOCATION OF ALL EQUIPMENT SHALL BE INSTALLED IN PLANTER AREAS AND AREAS WHERE STANDARD MAINTENANCE CAN ROUTINELY BE PERFORMED (WHERE FEASIBLY POSSIBLE). DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, SLEEVES, ETC., WHICH MAY BE REQUIRED TO COMPLETE THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INCLUDING ALL SUCH COMPONENTS REQUIRED TO PROPERLY PERFORM THE INSTALLATION.
3. INVESTIGATE AND MAKE MINOR ADJUSTMENTS WHERE FIELD CONDITIONS MAY AFFECT THE WORK. THIS INCLUDES, BUT IS NOT LIMITED TO; OBSTRUCTIONS, GRADE CHANGES, SITE CONDITIONS THAT MAY HAVE NOT BEEN KNOWN, EXISTING/PROPOSED UTILITIES, ETC. WHERE MINOR FIELD CHANGES OCCUR, NOTIFY THE OWNER AND PERFORM THE INSTALLATION ACCORDINGLY PER THE CONTRACT SPECIFICATIONS. CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR REQUIRED REVISIONS TO COMPLETE THE WORK.
4. OBTAIN A COPY OF THE PROJECT SPECIFICATIONS PRIOR TO BIDDING (IF APPLICABLE). THE SPECIFICATIONS ARE PART OF THESE PLANS AND SHALL BE CONSULTED BY THE IRRIGATION CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE WORK AS SPECIFIED IN THE SPECIFICATIONS AND AS SHOWN ON THE PLANS.
5. NOTIFY THE OWNER OF ANY DISCREPANCIES BETWEEN THE PLANS AND/OR PROJECT SPECIFICATIONS PRIOR TO BEGINNING WORK.
6. COORDINATE THE INSTALLATION OF THE IRRIGATION CONTROLLER, ALL PIPE, CONDUIT, SLEEVES/CROSSINGS THROUGH OR UNDER WALLS, ROADWAYS, PAVING, STRUCTURES, ETC. WITH ALL APPLICABLE TRADES BEFORE CONSTRUCTION.
7. VERIFY ALL DIMENSIONS, ELEVATIONS, EQUIPMENT QUANTITIES AND UTILITY LOCATIONS PRIOR TO BEGINNING WORK
8. SUBSTITUTIONS, DELETIONS OR CHANGES TO THE PLANS OR SPECIFICATIONS SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE OWNER.
9. EXISTING TREES AND SHRUBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE. TRENCHING WITHIN DRIPLINES OF TREES AND SHRUBS TO REMAIN SHALL BE DONE BY HAND. DAMAGE TO EXISTING TREE AND/OR PLANT MATERIAL TO REMAIN SHALL BE REPLACED BY THE CONTRACTOR IN KIND AND AT NO ADDITIONAL COST TO THE OWNER.
10. THE IRRIGATION CONTROLLER SHALL BE WIRED DIRECTLY TO A 110 VOLT POWER SOURCE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE CONTROLLER WIRING TO THE POWER SOURCE. THE INSTALLATION SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE AND ALL LOCAL ORDINANCES THAT APPLY.
11. THE FINAL LOCATION OF THE IRRIGATION CONTROLLER SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE.
12. ALL MATERIAL SHALL BE NEW UNLESS OTHERWISE SPECIFIED.
13. SCHEDULE 40 PVC PIPE SLEEVING (2X THE SIZE OF PIPE TO BE SLEEVED) IS REQUIRED FOR ALL IRRIGATION LINES THAT RUN UNDER HARDSCAPE. IRRIGATION CONTRACTOR IS RESPONSIBLE TO COORDINATE PLACEMENT OF SLEEVING PRIOR TO PAVING OPERATIONS.
14. CONTRACTOR SHALL INSTALL DRIP AND SPRAY ON SEPARATE ZONES. FOR RETROFIT INSTALLATIONS, IN THE EVENT THAT DRIP AND SPRAY IRRIGATION ARE CONNECTED TO THE SAME ZONE, CONTRACTOR SHALL BE RESPONSIBLE FOR SEPARATION BY EITHER INSTALLING A NEW VALVE OR CONNECTING DRIP/SPRAY TO ADJACENT DRIP/SPRAY ZONES. IN EITHER CASE, VERIFICATION OF FLOW CAPACITY FOR MATERIAL SIZING SHALL BE PERFORMED PRIOR TO COMPLETING THE WORK.
15. PRESSURE TEST ALL LINES UNDER HYDROSTATIC PRESSURE OF 125 POUNDS PRIOR TO INSTALLATION OF VALVES. PRESSURE SHALL HOLD FOR A MINIMUM OF TWO (2) HOURS UNDER THE DIRECT SUPERVISION OF THE OWNERS REPRESENTATIVE. TESTING OF THE SYSTEM SHALL BE PROVIDED PRIOR TO BACKFILL AND PLANTING OPERATIONS.
16. PROVIDE PHOTO DOCUMENTATION OF SUBSURFACE ITEMS PRIOR TO BACKFILL TO CONFIRM COMPONENTS WERE INSTALLED PER CONTRACT DOCUMENTS. PHOTOGRAPHS TO BE PROVIDED WITH CLOSE-OUT DOCUMENTS AT THE COMPLETION OF THE JOB.
17. THREADED PLASTIC PIPE JOINTING: DO NOT USE SOLVENT CEMENT ON THREADED JOINTS, WRAP MALE PLASTIC THREADED JOINTS WITH TEFLON TAPE.
18. FLUSH ALL LINES FOR MAXIMUM SYSTEM PERFORMANCE BEFORE AND AFTER EMITTER INSTALLATION.
19. INSTALL REMOTE CONTROL VALVE BOXES A MINIMUM OF 12" FROM WALKS, CURBS, BUILDINGS OR LANDSCAPE FEATURES. WHERE GROUPS OF VALVE BOX INSTALLATIONS OCCUR, INSTALL BOXES IN LINE WITH EACH OTHER WITH THE SHORT SIDE OF EACH BOX PARALLEL TO WALKS OR CURBS.
20. IRRIGATION SPLICES MAY NOT BE LOCATED IN TRENCHES AND SHALL BE INSTALLED IN A SPLICE BOX. PROVIDE A 24" EXPANSION LOOK AT EACH CHANGE OF DIRECTION. THREE FEET OF EXCESS DECODER WIRE AND FLOW SENSOR CABLE SHALL BE PROVIDED AT EACH DECODER AND FLOW SENSOR CONNECTION.
21. IRRIGATION VALVE BOXES SHALL BE MANUFACTURED BY NDS OR CARSON. ROUND BOXES SHALL BE 10". RECTANGLE BOXES SHALL BE 13"X20", 14"X19" OR JUMBO PRO SERIES. SIZE OF BOX TO BE SELECTED TO ACCOMMODATE ALL EQUIPMENT IN ONE BOX AND SHALL BE INSTALLED FOR EASE OF ACCESS AND MAINTENANCE.
22. VALVE BOX FINISH GRADE DEPTHS SHALL BE AS FOLLOWS: 3-1/2" IN PLANTER, 2-1/2" IN SOD, 1-1/2" IN SEED.
23. ADJUST/TUNE THE IRRIGATION INSTALLATION TO ELIMINATE OVERSPRAY ONTO SIDEWALKS OR DRIVEWAYS.
24. PROVIDE PHOTOS OF THE INSTALLED PIPE, DRIP LINES, EMITTERS, ETC., PRIOR TO BACKFILL AND INSTALLATION OF WEED FABRIC OR BARK.
24. RECORD DRAWINGS SHALL BE PROVIDED PRIOR TO THE START OF THE MAINTENANCE PERIOD. THE SHALL SHOW ACTUAL BUILT LOCATIONS OF THE IRRIGATION SYSTEM AND SHALL INCLUDE THE FOLLOWING INFORMATION:
    - IRRIGATION POINT OF CONNECTION.
    - IRRIGATION CONTROLLER.
    - GATE VALVES.
    - QUICK COUPLER VALVES.
    - ROUTING OF PRESSURE MAINLINE WITH OFFSET DIMENSIONS FROM KNOWN POINTS (MAXIMUM 100' ALONG ROUTING).
    - IRRIGATION CONTROL VALVES AND FINAL STATION NUMBERING.
    - SPLICE BOX LOCATIONS.
25. CONTROLLER CHART: AN 11"x17" COLOR-CODED AND LAMINATED DIAGRAM OF THE IRRIGATION PLAN SHOWING ALL HYDROZONES SHALL BE PROVIDED WITH THE IRRIGATION CONTROLLER FOR SUBSEQUENT MANAGEMENT PURPOSES.
26. RECORD DRAWINGS AND CONTROLLER CHARTS SHALL BE PROVIDED BY THE IRRIGATION CONTRACTOR IN ELECTRONIC (PDF) FORMAT. ALL NOTATIONS AND LINEWORK ON THE DRAWINGS SHALL BE ELECTRONIC AND ORIGINATE FROM FROM AN ELECTRONIC PROGRAM. HAND DRAWN DOCUMENTATION ON THE DRAWINGS WILL NOT BE ACCEPTED.
27. PROVIDE A WRITTEN WARRANTY ON CONTRACTORS LETTERHEAD FOR THE IRRIGATION SYSTEM PROTECTING AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP, ORDINARY WEAR AND TEAR, FOR A PERIOD OF YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE PROJECT.
28. PROVIDE CONTROLLER MANUALS, EQUIPMENT CUT-SHEETS, CONTROLLER KEYS AND ANY SPECIAL TOOLS REQUIRED TO ADJUST SPRINKLERS, INCLUDING DRIP COMPONENTS, PRIOR TO THE COMPLETION OF THE MAINTENANCE PERIOD.



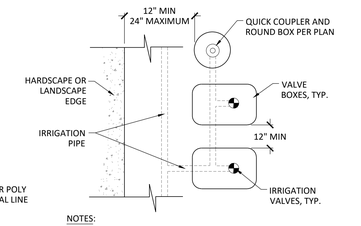
NOTES:
1. INSTALL VALVE BOX WITH BOLT DOWN LIDS
2. FINISH GRADE DEPTHS: 3-1/2" IN PLANTER, 2-1/2" IN SOD, 1-1/2" IN SEED.
3. USE DBRY-6 WATERPROOF SPLICE KITS FOR ALL CONNECTIONS.
4. INSTALL ONE VALVE PER BOX.
5. INSTALL MULTIPLE VALVE BOXES AS REQUIRED TO PROVIDE ADEQUATE SPACE FOR ALL EQUIPMENT.

A-REMOTE CONTROL VALVE (DRIP ZONES)
NTS



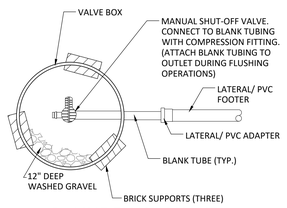
NOTES:
1. INSTALL VALVE BOX WITH BOLT DOWN LIDS
2. FINISH GRADE DEPTHS: 3-1/2" IN PLANTER, 2-1/2" IN SOD, 1-1/2" IN SEED.
3. USE DBRY-6 WATERPROOF SPLICE KITS FOR ALL CONNECTIONS.
4. INSTALL ONE VALVE PER BOX.
5. INSTALL MULTIPLE VALVE BOXES AS REQUIRED TO PROVIDE ADEQUATE SPACE FOR ALL EQUIPMENT.

B-REMOTE CONTROL VALVE (BUBBLER/SPRAY ZONES)
NTS

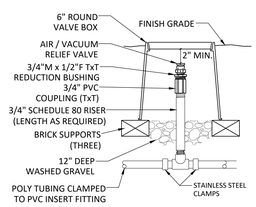


NOTES:
1. INSTALL BOXES PARALLEL TO EACH OTHER (WHERE MULTIPLE BOXES EXIST) AND LEVEL WITH FINISH GRADE.
2. ADJUST LOCATION IN FIELD TO ACCOMMODATE PLANTING LOCATIONS AND/OR ACTUAL FIELD CONDITIONS. INSTALL IN PLANTER AREAS, OUTSIDE OF BASINS OR SWALE LOCATIONS.

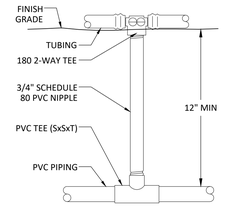
C- VALVE BOX LAYOUT
NTS



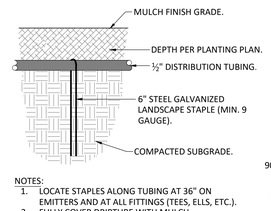
D- LINE FLUSH VALVE
NTS



E- AIR/VACUUM RELIEF
NTS

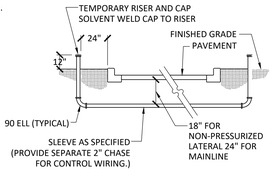


F- STARTER CONNECTION
NTS

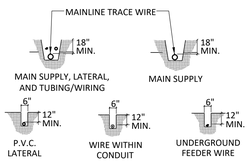


NOTES:
1. LOCATE STAPLES ALONG TUBING AT 36" ON EMITTERS AND AT ALL FITTINGS (TEES, ELLS, ETC.).
2. FULLY COVER DRIPTUBE WITH MULCH.

G-DRIPTUBE STAPLE
NTS

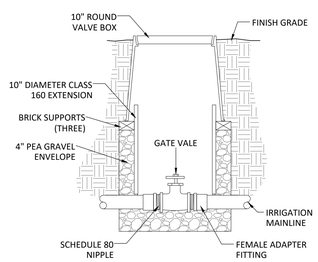


H- SLEEVE INSTALLATION
NTS

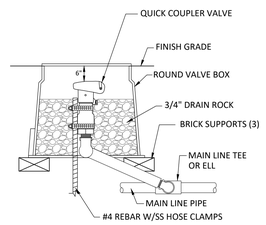


NOTES:
1. ALL PIPING SHALL BE SNAKED IN TRENCHES.
2. ALL WIRING TO BE INSTALLED PER LOCAL CODE AND BUNDLED AND TAPED AT 10' INTERVALS.
3. PROVIDE PIPE AND WIRE SLEEVING UNDER ALL PAVED SURFACES. WIRE SHALL BE WITHIN SEPARATE 2" ELECTRICAL CHASE.
4. INSTALL TRACE WIRE TOP OF PRESSURE MAIN LINE. WIRE TO BE 14/1 SINGLE STRAND AWG-UF COPPER WITH HIGH QUALITY (PVC) INSULATION. COLOR SHALL BE BLUE FOR POTABLE WATER AND PURPLE FOR NON-POTABLE/RECLAIMED WATER SYSTEMS.
5. INSTALL ALL COMPONENTS PER MANUFACTURER'S SPECIFICATIONS.

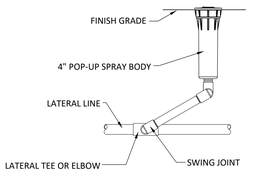
I- TRENCHING
NTS



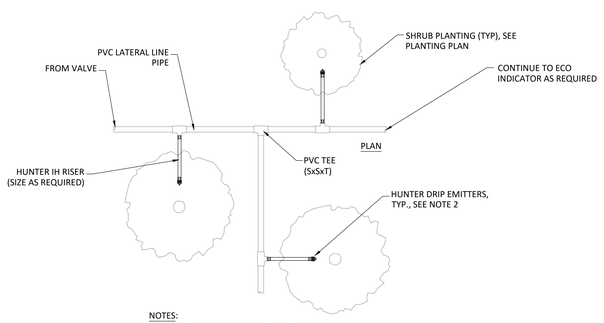
J- GATE VALVE
NTS



K- QUICK COUPLER
NTS

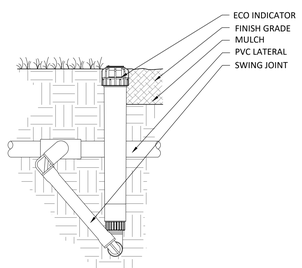


L- 4" POP-UP SPRAY HEAD
NTS



NOTES:
1. ¼" TUBING SHALL NOT BE USED.
2. INSTALL ONE 2.0 GPH EMITTERS PER SHRUB HUNTER HEB-20 WITH INLINE CHECK VALVE.
3. INSTALL TREES ON SEPARATE ZONES BUBBLERS.
4. EMITTERS PER IRRIGATION LEGEND.
5. INSTALL SOIL STAPLES 12" ON CENTER ALONG THE THREADED EMITTER HOSE AND AT EVERY EMITTER.
6. ADJUSTED PVC ROUTE PER PLANTER CONFIGURATION AND SHRUB LOCATION.

M- POINT SOURCE DRIP TUBE SCHEMATIC (SHRUBS)
NTS



NOTES:
1. INSTALL ON PVC LATERAL AT END RUN OF ZONE.

N-ECO INDICATOR INSTALLATION
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NO.	REMARKS	DATE

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○ BIDDING	
○ CONSTRUCTION	

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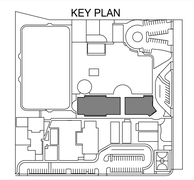

FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

IRRIGATION NOTES AND DETAILS

Date 07/13/2026
Project Number 25010.1
Application Number 02-123800
Drawing Number 2L2.0
Drawn Staff
Checked MS

PRINT DATE: 6/10/2026 5:16:21 PM
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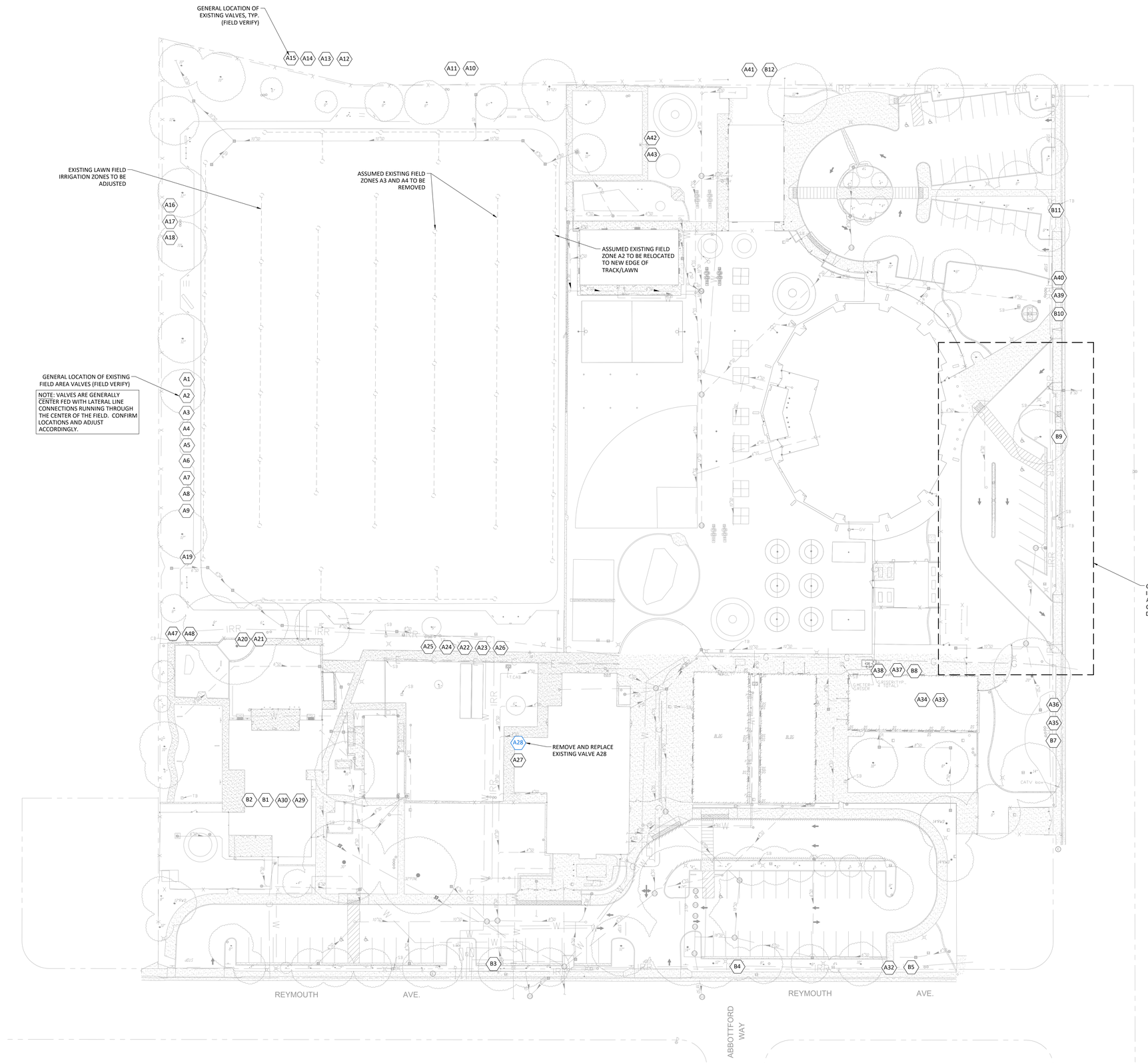

FIELD LOCATE AND REPLACE EXISTING DECODERS WITH A SINGLE STATION BASELINE DECODER (BL-5201 BICODER).

REMOVE AND REPLACE EXISTING VALVE A28 WITH A NEW 1" WEATHERMATIC VALVE

NOTE: VALVE LOCATIONS ARE SHOWN SCHEMATICALLY. EXACT LOCATION TO BE REVIEWED AND CONFIRMED IN THE FIELD.

IRRIGATION PRE-CONSTRUCTION MEETING REQUIREMENTS

1. CONTRACTOR RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING COMPONENTS AND TO BECOME FAMILIAR WITH THE EXISTING IRRIGATION LAYOUT PRIOR TO STARTING THE WORK.
2. COORDINATE WITH DISTRICT MAINTENANCE CREW AS REQUIRED TO COMPLETE ALL PHASES OF THE IRRIGATION WORK.
3. CONTACT DISTRICT MAINTENANCE A MINIMUM OF 72 HOURS PRIOR TO THE START OF WORK TO COORDINATE A FIELD WALK AND REVIEW OF THE EXISTING IRRIGATION SYSTEM.

EXISTING CONDITIONS AND IRRIGATION MODIFICATION NOTES:

A KEY COMPONENT OF THE PROPOSED WORK INCLUDES ADJUSTING/MODIFYING THE EXISTING IRRIGATION SYSTEM TO CONFORM TO THE NEW LIMITS OF WORK. ALL WORK SHOWN ON THESE PLANS ARE SCHEMATIC IN NATURE, PROVIDED TO DESCRIBE GENERAL DESIGN INTENT AND IS SUBJECT TO CONTRACTORS FIELD VERIFICATION PRIOR TO STARTING ANY WORK. FIELD VERIFICATION OF EXISTING ITEMS INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING ITEMS DURING THE DURATION OF THE WORK:

- TESTING OF AVAILABLE STATIC WATER PRESSURE FOR EACH ZONE.
- POINT(S) OF CONNECTION AND BACKFLOW PREVENTERS.
- PRESSURE MAINLINE.
- SPRINKLER HEADS.
- UTILITY VALVES (GATE VALVES, QUICK COUPLERS, ETC.).
- ALL EXISTING UTILITIES.
- TREE ROOTING LIMITS.
- IRRIGATION CONTROLLER(S).
- LANDSCAPE EDGE, CURBING AND HARDSCAPE LIMITS.
- HARDSCAPE CROSSINGS AND WIRE CONDUIT.
- EXISTING IRRIGATION ZONES WITHIN WORK AREAS THAT WILL REMAIN.
- ADJACENT SPRINKLER ZONES THAT WILL REMAIN OUTSIDE OF NEW WORK LIMITS.
- DRAINAGE SYSTEM.

ADJACENT IRRIGATION ZONES AFFECTED BY WORK

CONTRACTOR SHALL INCLUDE PROVISIONS IN THE BID FOR ADJUSTING AND/OR MODIFYING ALL EXISTING ZONES THAT WILL REMAIN THAT ARE AFFECTED BY THE PROPOSED NEW WORK. ALL EXISTING ZONES IN THESE AREAS SHALL REMAIN FULLY FUNCTIONAL AND PROVIDE HEAD-TO-HEAD COVERAGE FOR EXISTING PLANTING THAT WILL REMAIN. THE FOLLOWING PROVISIONS SHALL APPLY:

- TEST AND REVIEW THE LAYOUT OF ALL EXISTING ZONES WITHIN THE WORK LIMITS.
- FLUSH LATERAL LINES OF ANY DEBRIS.
- CAP, ADJUST OR REMOVE ANY SPRINKLERS THAT WILL REMAIN THAT ARE WITHIN PROPOSED PLANTER AREA WORK LIMITS.
- ADD SPRINKLERS TO PROVIDE WATER TO EXISTING AREAS THAT WILL REMAIN WHERE EXISTING SPRINKLERS WERE REMOVED OR ADJUSTED.

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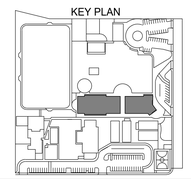

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CORDOVA VILLA ELEMENTARY SCHOOL

MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
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EXISTING VALVE MAP

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2L2.1
Drawn: Staff	Checked: MS

PRINT DATE: 8/19/2026 5:18:21 PM
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IRRIGATION LEGEND

SYMBOL	MANUFACTURER	REMARKS
⊕	AUTOMATIC IRRIGATION CONTROL VALVES: WEATHERMATIC MAX-DW SERIES WITH PRESSURE REGULATION AND BASELINE BL-5201 SINGLE-STATION DECODER	INSTALL PER MANUFACTURERS SPECIFICATIONS. SIZE PER PLAN. ADJUST/TUNE VALVES AS REQUIRED TO ENSURE PROPER WATER DISTRIBUTION TO ALL PLANTER AREAS.
⋈	LEEMCO GATE VALVE WITH A NON-RISING STEM AND OPERATING NUT.	LINE SIZE
C	EXISTING CONTROLLER TO REMOVED AND REPLACED. UTILIZE EXISTING TOP ENTRY CABINET. NEW CONTROLLER SHALL BE A BASELINE CENTRAL CONTROL SYSTEM WITH TWO-WIRE CONTROL. PART NUMBER: BL-3200SS-KIT/ BL-CLOUD-LTE-AT-PSS/ BL-ANT-OMNI-PRO/ BL-BMW2-PLUS-5Y CONTACT CHRIS THOMAS AT EWING, 916-717-9469 FOR ORDERING AND PRE-CON MEETING	UTILIZE EXISTING CONTROL 2-WIRE PATH FOR NEW IRRIGATION ZONES. FIELD LOCATE AND REPLACE EXISTING DECODERS WITH A SINGLE STATION BASELINE DECODER (BL-5201 BICODER).
◎	RAINBIRD 1" QUICK COUPLING VALVE W/ LOCKING COVER	MODEL 44NP
▮▮▮	SLEEVING AND CONDUIT LOCATIONS FOR IRRIGATION LINE AND CONTROL WIRE CROSSINGS. INSTALL SLEEVES TO BE 2X THE SIZE OF THE PIPE TO BE SLEEVED AND CONDUIT AS REQUIRED FOR CONTROL WIRE (MIN. 1" DIA.)	COORDINATE WITH SITE DEVELOPMENT PLANS AND OTHER TRADES.
~	DRIP IRRIGATION ZONES (HUNTER EMITTERS WITH IH RISER SUPPLY LINES).	INSTALL PER POINT SOURCE DRIP DETAIL M/SHEET 2L2.0.
———	CLASS 200 PVC LATERAL LINES (NON-PRESSURE)	INSTALL PER IRRIGATION DETAILS. SIZE PER PLAN.
~	PIPE-HOP LOCATIONS	GRAPHIC TO DENOTE SEPARATION OF ZONES.
– – –	1-1/2" SCHEDULE 40 PVC IRRIGATION MAINLINE UNLESS OTHERWISE NOTED. SECTION OF MAINLINE IN FIELD TO BE CLASS 315 AS NOTED ON THE PLAN. ACTUAL LOCATION SHALL BE LOCATED WITHIN PLANTER AREAS.	IRRIGATION MAINLINE SHOWN UNDER PAVED AREAS FOR PLAN CLARITY ONLY. INSTALL 14/1 SINGLE STRAND AWG-UF COPPER WITH HIGH QUALITY POLYVINYLCHLORIDE (PVC) INSULATION TRACE WIRE ON MAINLINE. COLOR: BLUE/ PURPLE
o	RAINBIRD 1402 BUBBLER NOZZLE. INSTALL ON A RAINBIRD 4" POP-UP SPRINKLER WITH FACTORY INSTALLED CHECK VALVE. NOTE: INSTALL TWO (2) PER TREE- 1.0 GPM TOTAL PER TREE.	.5 GPM 30 PSI

IRRIGATION POINT OF CONNECTION

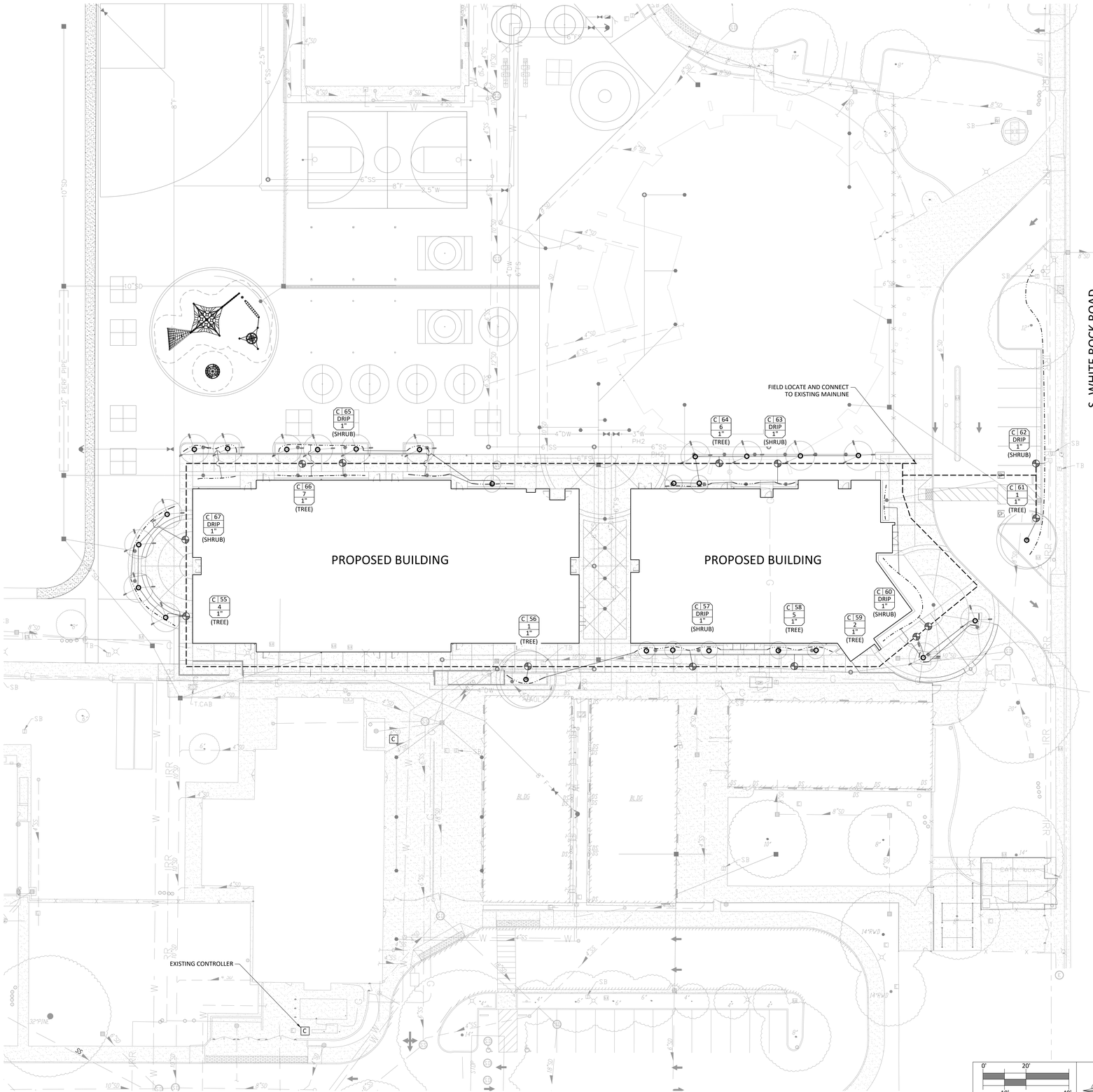
FIELD LOCATE AND CONNECT TO EXISTING IRRIGATION MAINLINE AND RUN PRESSURE MAINLINE WHERE INDICATED ON THE PLANS. THE IRRIGATION SYSTEM SHALL RECEIVE A PRESSURE BOOST FROM THE EXISTING BOOSTER PUMP. COORDINATE WITH THE DISTRICT.

CABINET ON LEFT CONTAINS CONTROLLER TO BE REPLACED

EXISTING CONTROLLER LOCATION

VALVE CALL-OUT KEY

C | 17 — CONTROLLER STATION
DRIP — GALLONS PER MINUTE
1" — VALVE SIZE
(SHRUB) — HYDROZONE PLANT TYPE



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DATE SIGNED: 07/13/2026	DATE SIGNED: 07/13/2026

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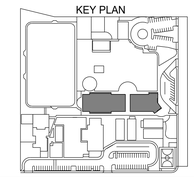
NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

IRRIGATION PLAN

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2L2.2
Drawn Staff	Checked MS

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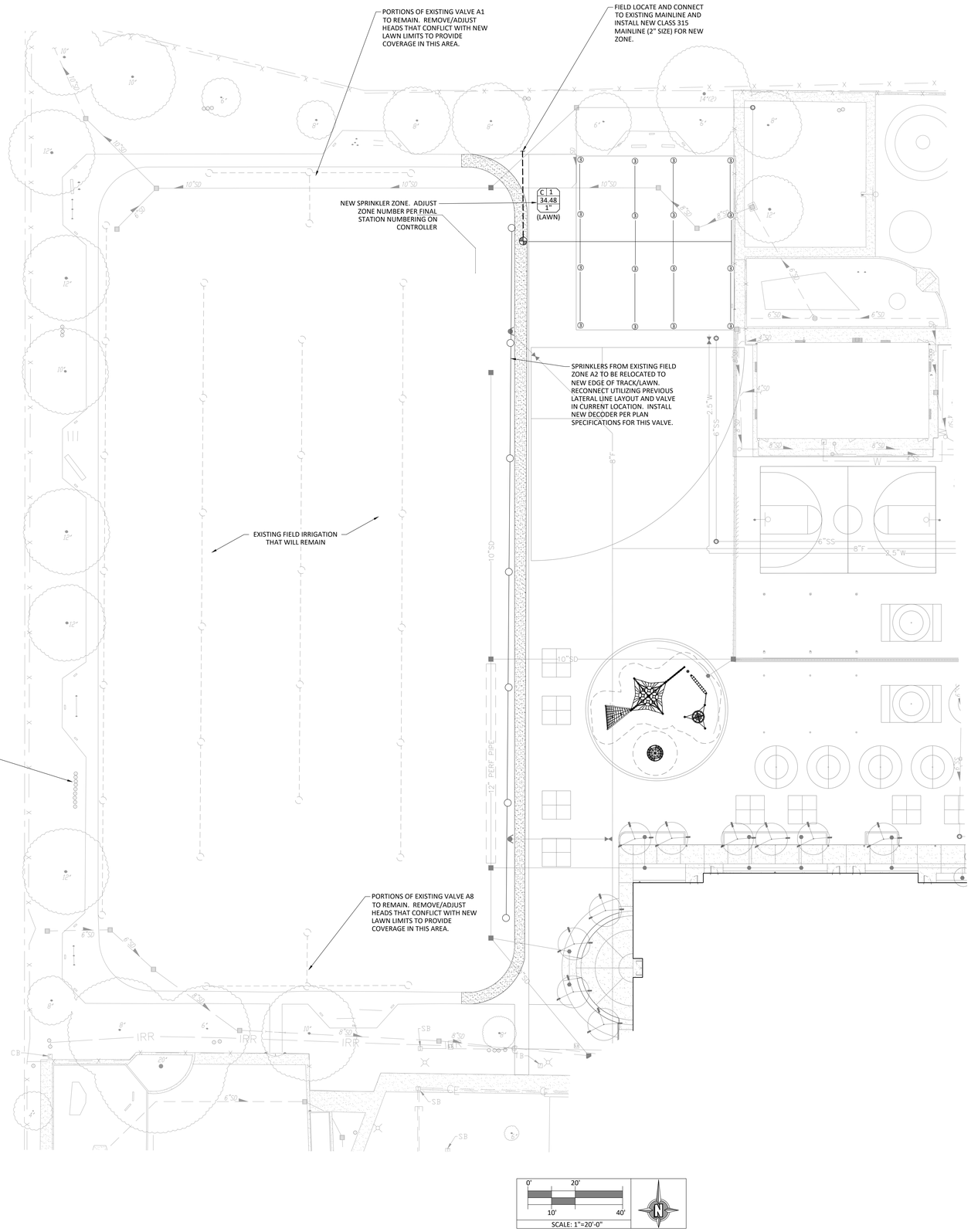
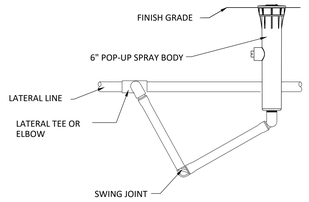


SPRINKLERS-

SYMBOL/ PATTERN*	MFG/MODEL NUMBER	RADIUS/ PATTERN	GPM
③	RAINBIRD: RD06-S-P45-NP BODY WITH HUNTER MP2000 SERIES NOZZLES. (45 PSI REGULATION)	20'-26'	.9-3.86

*SYMBOL/PATTERN SHOWN FOR MP ROTATOR NOZZLES ARE DIAGRAMMATICAL. CONTRACTOR IS RESPONSIBLE FOR SELECTION OF NOZZLE PATTERN (QUARTER, HALF, FULL, ETC) AND ADJUSTING SPRAY ARC TO MINIMIZE OVERSPRAY ONTO ADJACENT AREAS.

NOTES:
1. FULL CIRCLE SPRAY NOZZLES SHALL BE 360° FIXED PATTERN.
2. INSTALL SPRINKLER BODIES WITH FACTORY INSTALLED CHECK VALVES TO PREVENT LOW HEAD DRAINAGE.
3. INSTALL PER DETAIL A, THIS SHEET.



A- 6" POP-UP SPRAY HEAD
NTS

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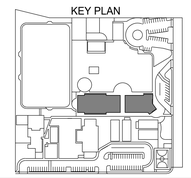

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DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
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RANCHO CORDOVA, CA 95670

IRRIGATION PLAN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2L2.3
Drawn / Checked	
Staff / MS	

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PLANTING NOTES

1. PLANTING SHALL CONFORM TO LOCAL REQUIREMENTS FOR LANDSCAPE SITE DEVELOPMENT.
2. PROVIDE MINIMUM SLOPE OF 1-1/2% FOR POSITIVE DRAINAGE AWAY FROM CENTER IN ALL PLANTED AREAS.
3. THE PLANT QUANTITIES SHOWN ON THE DRAWINGS ARE INFORMATIONAL ONLY. THE CONTRACTOR IS RESPONSIBLE FOR FINAL QUANTITIES REQUIRED TO COMPLETE THE WORK. IN CASE OF DISCREPANCY, THE PLAN SHALL GOVERN.
4. ALL TREES SHALL BE PLANTED A MINIMUM OF 5' FROM UNDERGROUND UTILITIES.
5. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED FROM DAMAGE AT ALL TIMES. DO NOT STORE CONSTRUCTION EQUIPMENT BELOW THE CANOPY OF ANY TREES TO REMAIN. DAMAGE TO ANY EXISTING TREES OR PLANT MATERIAL TO REMAIN SHALL BE REPLACED BACK TO ORIGINAL CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
6. IMMEDIATELY AFTER AWARD OF CONTRACT, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IF SPECIFIED PLANT MATERIAL IS AVAILABLE FROM COMMERCIAL NURSERIES. IN THE EVENT THAT A PLANT IS NOT AVAILABLE, THE CONTRACTOR SHALL PROVIDE ALTERNATE PLANT MATERIAL SELECTIONS COMPARABLE TO THE ORIGINAL SPECIFIED SPECIES. SUCH CHANGES WILL NOT ALTER THE CONTRACTOR'S ORIGINAL BID PRICE UNLESS A CREDIT IS DUE TO THE OWNER. CONTRACTOR TO SOURCE MULTIPLE NURSERIES WHEN ORDERING PLANT MATERIAL.
7. THE CONTRACTOR SHALL ENSURE THAT ALL EXCAVATED PLANT PITS HAVE POSITIVE DRAINAGE. PLANT PITS SHALL BE FULLY FILLED WITH WATER AND SHALL DRAIN WITHIN ONE (1) HOUR OF FILLING. THE CONTRACTOR SHALL EXCAVATE THROUGH ANY IMPERVIOUS LAYER IF ENCOUNTERED.
8. ALL PLANT MATERIAL SHALL COMPLY WITH ANSI Z601 'STANDARD FOR NURSERY STOCK' AND MEET THE MINIMUM SIZES:

SHRUBS	HT/SPD	GROUNDCOVER	HT/SPD	CANOPY TREES	HT/SPD	CALIPER	CONIFERS	HEIGHT	SPREAD	CALIPER
1 GAL.	9"/6"	1 GAL.	8"/6"	15 GAL.	8'/36"	1"	15 GAL.	5'	30"	3/4"
5 GAL.	18"/15"	5 GAL.	14"/10"	24" BOX	11'/48"	2"	24" BOX	6'	42"	1"
15 GAL.	36"/36"			36" BOX	14'/60"	3"	36" BOX	8'	48"	1-1/2"

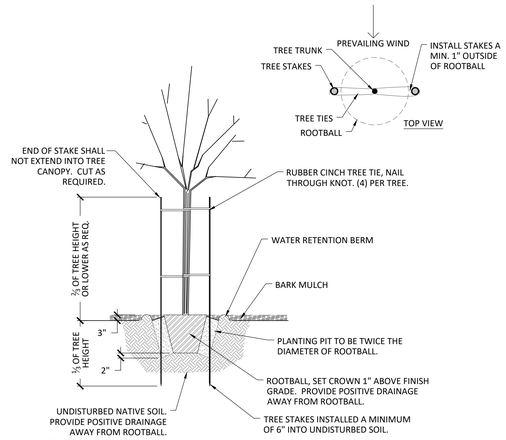
9. TREE ROOTS SHALL BE VISUALLY INSPECTED IN CONTAINERS PRIOR TO PLANTING. CONTRACTOR SHALL CONFIRM THAT NO CIRCLING ROOTS ARE LOCATED WITHIN THE TOP SOIL OF THE CONTAINER.
10. 24" DEEP PANEL ROOT BARRIERS SHALL BE PROVIDED FOR ALL TREES WITHIN 10' OF ANY CURB, HARDSCAPE, OR PAVEMENT. INSTALL 15 FEET IN LENGTH AT THE EDGE OF PLANTERS AND CENTERED ON TRUNKS. DO NOT INSTALL CIRCLED AROUND ROOTBALLS.
11. ALL PLANTER AREAS (AND/OR AREAS NOTED) SHALL RECEIVE A 3" LAYER OF WALK-ON FIR TYPE BARK MULCH.
12. ANY LAWN AREAS SHALL BE BID AS SOD UNLESS OTHERWISE SPECIFIED. CONTRACTOR SHALL MAKE SCHEDULING PROVISIONS TO ASSURE THAT ALL SOD IS INSTALLED PRIOR TO OCTOBER 1. ANY LAWN INSTALLED AFTER OCTOBER 1 SHALL BE SUBJECT TO AN EXTENDED ESTABLISHMENT PERIOD (MINIMUM 6 MONTHS) TO GUARANTEE PROPER ESTABLISHMENT.
13. CONTRACTOR RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL AT ALL TIMES. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED BEFORE AND AFTER ALL STORMS TO ENSURE ALL MEASURES ARE FUNCTIONING PROPERLY.
14. ALL AREAS THAT ARE EXPOSED SHALL BE PLANTED WITH HYDROSEED MIX. NO AREAS SHALL BE LEFT EXPOSED DURING THE WINTER MONTHS. EXPOSED SURFACES SHALL HAVE EROSION CONTROL MEASURES IN PLACE PRIOR TO OCTOBER 1.
15. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS, HARDSCAPES, SIDEWALKS OR OTHER NON-PLANTER AREAS SHALL BE SWEPT AT THE END OF EACH WORKING DAY.
16. CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OF THE CIVIL EROSION CONTROL PLAN AND/OR THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ADDITION TO THESE MINIMUM REQUIREMENTS (AS APPLICABLE).
18. INSTALL LANDSCAPE EDGING AT LIMITS OF ALL PLANTER AREAS NOT BOUND BY HARDSCAPE OR ANY OTHER CONTAINMENT. INCLUDE MANUFACTURERS CUT SHEETS WITH PRODUCT SUBMITTALS FOR OWNER REVIEW AND APPROVAL.

SOIL PREPARATION AND AMENDMENTS

1. THE CONTRACTOR SHALL PROVIDE A SOILS REPORT PREPARED BY A QUALIFIED SOILS SPECIALIST AND SUBMIT TO THE OWNER FOR FINAL APPROVAL. SOILS SAMPLES SHALL BE COLLECTED IMMEDIATELY AFTER ROUGH GRADING OPERATIONS AND SHALL BE SUFFICIENTLY NUMEROUS TO ACCOUNT FOR ANY SOIL VARIATIONS THAT MAY BE PRESENT THROUGHOUT THE ENTIRE SITE. THE FOLLOWING MINIMUM ITEMS SHALL BE INCLUDED IN THE ANALYSIS:
   A. SOIL INFILTRATION RATE.
   B. SOIL TYPE AND TEXTURE.
   C. CATION EXCHANGE CAPACITY.
   D. SOIL FERTILITY INCLUDING TESTS FOR NITROGEN, POTASSIUM, PHOSPHORUS, PH, ORGANIC MATTER AND SPECIFIC CONDUCTANCE (E.C.).
   E. RECOMMENDATIONS PER 1,000 SF FOR ALL AMENDMENTS INCLUDING FERTILIZER (NPK), COMPOST, GYPSUM, LIME, ETC.
   F. RECOMMENDATIONS PLANT PIT BACKFILL AMENDMENTS.
   G. FREQUENCY AND RATE OF FERTILIZER APPLICATION FOR THE DURATION OF THE MAINTENANCE PERIOD.
2. COMPOST SHALL BE INCORPORATED TO A DEPTH OF SIX INCHES INTO THE SOIL AT A MINIMUM RATE OF FOUR CUBIC YARDS PER 1,000 SQUARE FEET OF PERMEABLE AREA (OR PER THE RECOMMENDATIONS OF THE SOILS TEST, WHICHEVER IS GREATER) SOILS WITH GREATER THAN 6% ORGANIC MATTER IN THE TOP 6 INCHES OF SOIL ARE EXEMPT FROM ADDING COMPOST AND TILLING.
3. SPECIFIED SOIL AMENDMENTS SHALL BE APPLIED AND INCORPORATED EVENLY ACROSS THE ENTIRE PLANTER SURFACE OF ALL PLANTER AREAS. AMENDMENTS SHALL NOT BE LIMITED TO PLANT BACKFILL OR AREAS ONLY ADJACENT TO PLANT LOCATIONS.
4. SOD AREAS SHALL BE PREPPED WITH A MIN 3" AMENDED SOIL (IF APPLICABLE). AMENDMENTS TO BE INSTALLED PER THE RECOMMENDATIONS OF THE SOILS REPORT.
5. ALL SOIL PREPARATION AND AMENDMENTS SHALL BE ADDED TO THE SOIL PRIOR TO PLANTING. AMENDMENTS THAT MAY BE SHOWN ON THE PLAN ARE FOR BIDDING PURPOSES ONLY (UNLESS OTHERWISE NOTED). CONTRACTOR SHALL PROVIDE A SEPARATE LINE ITEM IN THE BID FOR SOIL AMENDMENTS.
6. THE RESULTS OF THE SOILS TESTS THE CONTRACTOR PERFORMS SHALL DETERMINE ACTUAL AMENDMENTS TO BE INSTALLED AND SHALL NOT ALTER FINAL BID TO OWNER.

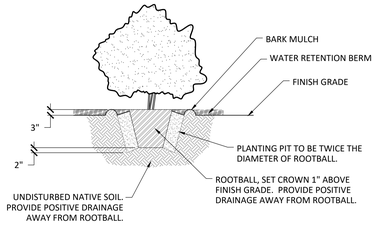
PLANT LEGEND

	BOTANICAL/ COMMON NAME	QTY	SIZE
	TREES		
	RHAPHIOLEPIS MAJESTIC BEAUTY'/ INDIAN HAWTHORN	8	15 GAL
	LAGERSTROEMIA INDICA 'DYNAMITE'/ CRAPE MYRTLE	16	15 GAL
	PISTACIA CHINENSIS 'KEITH DAVEY'/ CHINESE PISTACHE	2	15 GAL
	SHRUBS		
	CISTUS 'MICKIE'/ ROCKROSE	21	5 GAL
	DIETES VEGETA/ FORTNIGHT LILY	55	1 GAL
	NANDINA 'GULF STREAM'/ HEAVENLY BAMBOO	64	1 GAL
	TULBAGHIA VIOLACEA/ SOCIETY GARLIC	68	1 GAL

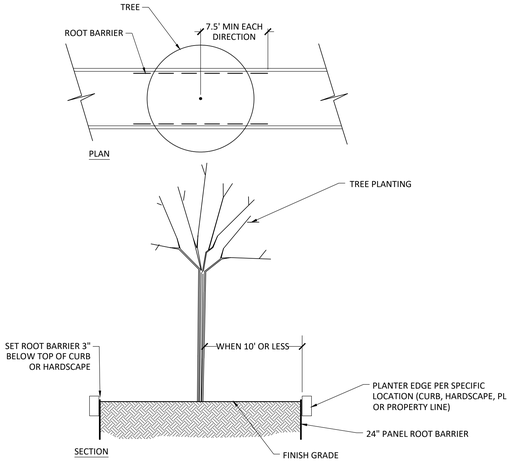


NOTES:
1. INSTALL A BLEND OF NATIVE SOIL AND AMENDED SOIL PER RECOMMENDATIONS OF SOILS REPORT AS BACKFILL.
2. SCARIFY EDGES OF EXCAVATED TREE PIT TO MINIMUM DEPTHS TO CREATE AND UNEVEN SOIL TRANSITION BETWEEN BACKFILL MATERIAL AND UNDISTURBED NATIVE SOIL..
3. REMOVE NURSERY STAKES AND TIES.

A- TREE PLANTING DETAIL
NTS

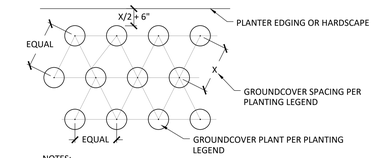


B- SHRUB PLANTING DETAIL
NTS



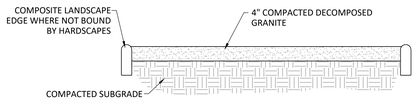
NOTE: REFER TO PLANS FOR PROPERTY LINE AND/OR R.O.W. LOCATIONS

C- ROOT BARRIER DETAIL
NTS



NOTES:
1. INSTALL GROUNDCOVER IN A TRIANGULAR PATTERN.
2. REFER TO PLANTING PLANS AND PLANTING LEGEND FOR FURTHER INFORMATION.

D- GROUNDCOVER SPACING DETAIL
NTS



NOTES:
1. PROVIDE SAMPLE TO OWNER FOR APPROVAL PRIOR TO INSTALLATION.
2. INSTALL DECOMPOSED GRANITE IN 1" LIFTS.

E-DECOMPOSED GRANITE PAVING
NTS

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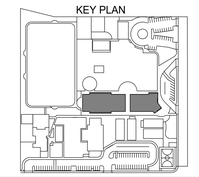

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DSA RESUBMITTAL

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PLANTING NOTES AND DETAILS

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Drawn / Checked	
Staff / MS	

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CONFORM TO EXISTING DECOMPOSED GRANITE TRACK

INSTALL SOD LAWN IN AREA TO REMAIN

SOD LAWN PATCH TO TRANSITION TO EXISTING LIMITS THAT WILL REMAIN

NOTE: EXTEND LIMITS OF SOD PATCH TO ALL AREAS OF LAWN DAMAGED DURING THE COURSE OF THE WORK.

EXISTING FIELD TO REMAIN

NEW DECOMPOSED GRANITE TRACK. INSTALL COMPOSITE HEADER BOARD FOR CONTAINMENT.

EXISTING TRACK CONDITION TO MATCH

NEW PLANTER AREAS, TYP.

PROPOSED BUILDING

PROPOSED BUILDING

CONFORM TO EXISTING DECOMPOSED GRANITE TRACK

S. WHITE ROCK ROAD

0' 20' 10' 40'

SCALE: 1"=20'-0"

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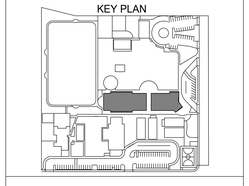

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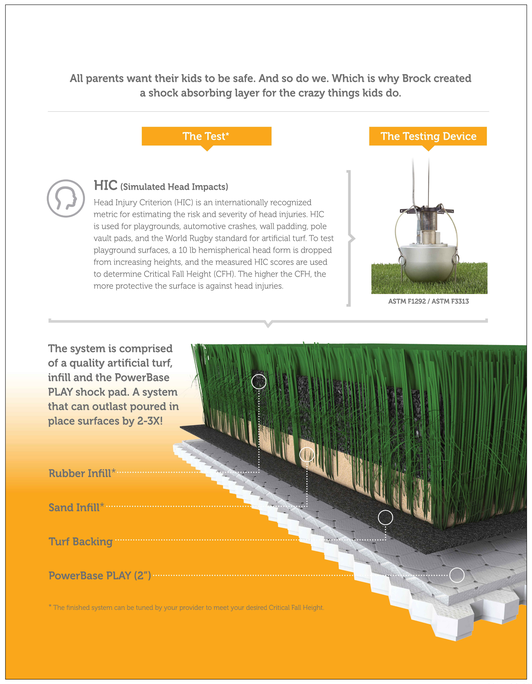
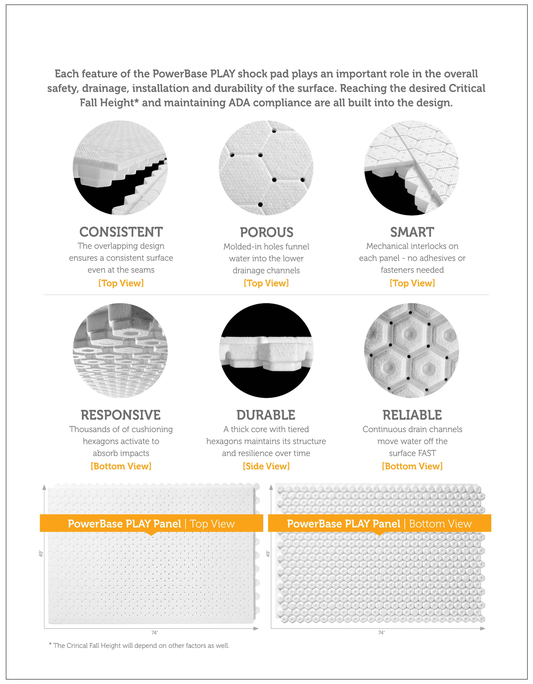
GROUND SURFACES OF PLAY AREAS:
GROUND SURFACES ON ACCESSIBLE ROUTES, CLEAR FLOOR OR GROUND SPACES, AND TURNING SPACES FOR PLAY AREAS SHALL COMPLY WITH CBC SECTION 11B-1008.2.6 AS FOLLOWS:

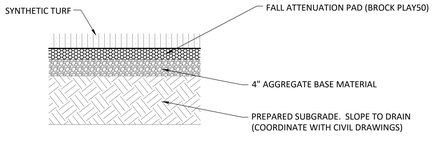
- GROUND SURFACES SHALL BE INSPECTED AND MAINTAINED REGULARLY AND FREQUENTLY TO ENSURE CONTINUED COMPLIANCE WITH ASTM F 1951.
- GROUND SURFACES LOCATED WITHIN USE ZONES SHALL COMPLY WITH ASTM F 1292 (1999 EDITION OR 2004 EDITION)

SYNTHETIC LAWN (SURFACE MATERIAL)



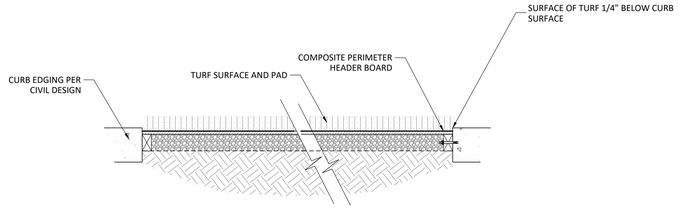
SHOCK PAD





NOTES:
1. TURF TO BE TAILOR MADE TURF, MODEL NUMBER TMGFC75.
2. INSTALL WITH BROCK PLAY 50 FALL ATTENUATION PAD.
3. INSTALL PER MANUFACTURERS SPECIFICATIONS.

B- SYNTHETIC TURF SECTION
NTS



NOTES:
1. ATTACH HEADER BOARD WITH 4" RED HEAD ANCHOR BOLT (EMBED A MIN 1-1/2" DEPTH INTO CURB). INSTALL 36" O.C. ALONG PERIMETER OF CURB.

C- SYNTHETIC TURF CONTAINMENT EDGE
NTS

A- PLAY AREA SURFACING
NTS

SYNTHETIC TURF NOTES

1. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT NECESSARY TO INSTALL ARTIFICIAL TURF AS INDICATED ON THE PLANS AND SPECIFIED WITHIN THESE NOTES, INCLUDING COMPONENTS AND ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION.
2. INSTALL TURF IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, APPROVED SUBMITTALS, AND IN PROPER RELATIONSHIP WITH ADJACENT CONSTRUCTION.
3. THE ENTIRE SYSTEM SHALL BE RESISTANT TO WEATHER, INCLUDING ULTRA-VIOLET LIGHT AND HEAT DEGRADATION; INSECTS, ROT, MILDEW, AND FUNGUS GROWTH AND BE NON-ALLERGENIC AND NON-TOXIC.
4. CONTRACTORS QUALIFICATIONS: THE INSTALLING CONTRACTOR MUST SPECIALIZE IN SYNTHETIC TURF INSTALLATION WITH A MINIMUM OF FIVE YEARS DOCUMENTED EXPERIENCE.
5. SUBMITTAL REQUIREMENTS. CONTRACTOR TO PROVIDE THE FOLLOWING ITEMS FOR OWNER REVIEW AND APPROVAL PRIOR TO STARTING THE WORK:
   PRODUCT DATA:
   - MANUFACTURER'S DATA SHEETS ON EACH PRODUCT TO BE USED.
   - PREPARATION INSTRUCTIONS AND RECOMMENDATIONS.
   - STORAGE AND HANDLING REQUIREMENTS AND RECOMMENDATIONS.
   - VERIFICATION SAMPLES: TWO REPRESENTATIVE UNITS OF EACH TYPE, SIZE, PATTERN, AND COLOR.
6. PRE-INSTALLATION MEETING: CONVENE A SITE MEETING A MINIMUM OF TWO WEEKS BEFORE SCHEDULED COMMENCEMENT OF THE WORK. ATTENDEES SHALL INCLUDE THE CLIENT , LANDSCAPE ARCHITECT, CIVIL ENGINEER AND TRADES INVOLVED. THE CONTRACTOR SHALL PROVIDE AN AGENDA THAT INCLUDES AN INSTALLATION SCHEDULE, RESPONSIBILITIES, CRITICAL PATH ITEMS AND REQUIRED APPROVALS.
7. MATERIALS AND EQUIPMENT SHALL BE DELIVERED AND STORED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. STORE OFF THE GROUND AND COVERED; HANDLE AND PROTECT PRODUCTS FROM MOISTURE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. DELIVER MATERIALS IN MANUFACTURER'S UNOPENED CONTAINERS, FULLY IDENTIFIED WITH BRAND, TYPE, AND ALL OTHER QUALIFYING INFORMATION.
8. PRIOR TO THE BEGINNING OF INSTALLATION, INSPECT THE SUB-BASE FOR TOLERANCE TO GRADE. THE EXISTING STONE BASE AND DRAINAGE SYSTEM ARE TO BE PROPERLY FUNCTIONING PRIOR TO TURN INSTALLATION.
9. ONLY TRAINED TECHNICIANS, SKILLED IN THE INSTALLATION OF ATHLETIC CALIBER SYNTHETIC TURF SYSTEMS WORKING UNDER THE DIRECT SUPERVISION OF THE APPROVED INSTALLER SUPERVISORS, SHALL UNDERTAKE ANY CUTTING, SEWING, GLUING, SHEARING, TOP DRESSING OR BRUSHING OPERATIONS.
10. THE CONTRACTOR SHALL STRICTLY ADHERE TO SPECIFIED PROCEDURES. ANY VARIANCE FROM THESE REQUIREMENTS SHALL BE PROVIDED IN WRITING, BY THE MANUFACTURER'S ON-SITE REPRESENTATIVE, AND SUBMITTED TO THE OWNER, VERIFYING THAT THE CHANGES DO NOT IN ANY WAY AFFECT THE WARRANTY.
11. INSTALLATION OF MATERIAL SHALL OCCUR DIRECTLY OVER THE PROPERLY PREPARED AGGREGATE BASE. EXTREME CARE SHALL BE TAKEN TO AVOID DISTURBING THE AGGREGATE BASE, BOTH IN REGARD TO COMPACTION AND PLANARITY. REPAIR AND PROPERLY COMPACT ANY DISTURBED AREAS OF THE AGGREGATE BASE AS RECOMMENDED BY MANUFACTURER.
12. FULL WIDTH ROLLS SHALL BE LAID OUT ACROSS THE FIELD. ROLLS SHALL BE OF SUFFICIENT LENGTH TO PERMIT FULL CROSS-FIELD INSTALLATION FROM EDGE TO EDGE WHILE MINIMIZING CUTS. NO CROSS SEAMS WILL BE ALLOWED IN THE PLAYING AREA. EACH ROLL SHALL BE ATTACHED TO THE NEXT ROLL UTILIZING STANDARD STATE-OF-THE- ART SEWING PROCEDURES AS DESCRIBED IN THESE PLANS AND NOTES.
13. WHERE SEAMING DOES OCCUR, ROLLS SHALL BE LAID IN THE SAME DIRECTION AS PREVIOUS AND ADJACENT ROLLS.
14. SEAMING SHALL BE SECURED WITH A COMBINATION OF 12" SEAM TAPE, SEAM GLUE AND 6" SOD STAPLES (SUPPLIED BY PURCHASE GREEN, OR APPROVED EQUAL). INSTALL STAPLES AS REQUIRED TO HOLD SEAMS IN PLACE. SEAMS SHALL BE FLAT, TIGHT, AND PERMANENT WITH NO SEPARATION OR FRAYING. INSTALL PER MANUFACTURERS SPECIFICATIONS.
15. INFILL MATERIAL TO BE INSTALLED AT A RATE OF A MINIMUM 2 POUNDS PER SQUARE FOOT (OR AS RECOMMENDED BY THE MANUFACTURER). INSTALL 3" NAILS AROUND THE PERIMETER OF THE FIELD EVERY 6" ON-CENTER. SECURE TO PERIMETER HEADER BOARD. DO NOT INSTALL NAILS IN FIELD.
16. CLEAN-UP: CLEAN PRODUCTS IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. TOUCH-UP, REPAIR OR REPLACE DAMAGED PRODUCTS BEFORE SUBSTANTIAL COMPLETION.

WARRANTY POLICY

1. THE CONTRACTOR SHALL PROVIDE A MINIMUM EIGHT (8) YEAR WARRANTY POLICY BY THE MANUFACTURER AGAINST DEFECTS IN WORKMANSHIP OF SYNTHETIC TURF FROM SHIPMENT DATE. INSTALLATIONS ARE WARRANTED FOR ONE (1) YEAR FROM THE INSTALLATION DATE AGAINST DEFECTS IN ATTENUATION LAYER (IF APPLICABLE) AND SEAMS IF MAINTENANCE IS NOT PERFORMED. OTHER DEFECTS NOT WARRANTED SHALL INCLUDE, BUT NOT BE LIMITED TO ULTRAVIOLET RAY FADING, DEGRADATION, OR EXCESSIVE WEAR OF FIBER.
2. THE WARRANTY SHALL BE FOR FULL REPLACEMENT OF ANY DAMAGED PRODUCT WITHIN THE WARRANTY PERIOD. THE WARRANTY SHALL BE COMPREHENSIVE AND SUFFICIENT TO REPLACE ALL TURF IF NECESSARY.
3. THE WARRANTY SHALL BE EFFECTIVE FROM THE DATE OF SUBSTANTIAL COMPLETION.
4. THE WARRANTY SHALL CONTAIN NO USAGE LIMITS FOR WARRANTED TURF.

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LICENSED ARCHITECT BRYAN P. WHITMORE No. C 30345 Ren. 9/30/27 STATE OF CALIFORNIA	LICENSED LANDSCAPE ARCHITECT MICHAEL SHULAR No. 6368 Signature Exp. 05.31.27 Renewal Date STATE OF CALIFORNIA
DATE SIGNED: 07/13/2026	DATE SIGNED: 07/13/2026

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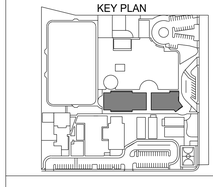
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

PLAY AREA DETAILS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2L4.0
Drawn: Staff	Checked: MS

PRINT DATE: 6/10/2026 5:16:21 PM
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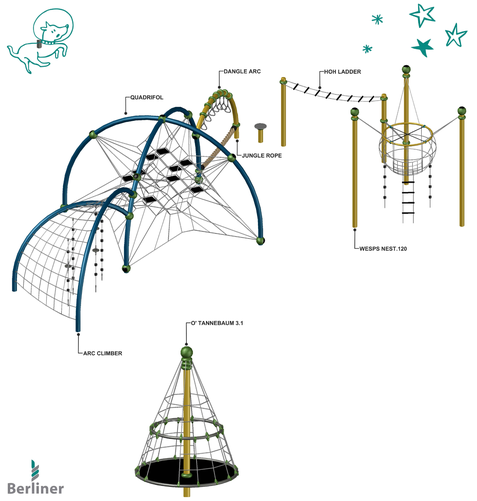

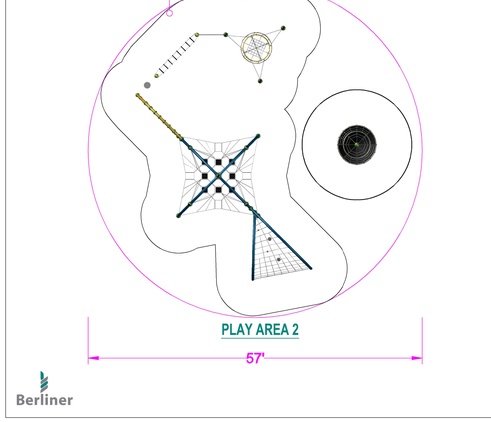

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96 BROOKFIELD OAKS DR., SUITE 140, GREENVILLE, SC 29607
WWW.BERLINER-PLAYEQUIPMENT.COM/
CONTACT BRIDGET MUCK, TERRITORY SALES MANAGER-CALIFORNIA/IDAHO
PHONE: 916.276.0755
FAX: 864.627.1178
BRIDGET@BERLINER-PLAYEQUIPMENT.COM

A- PLAYGROUND ENLARGEMENT

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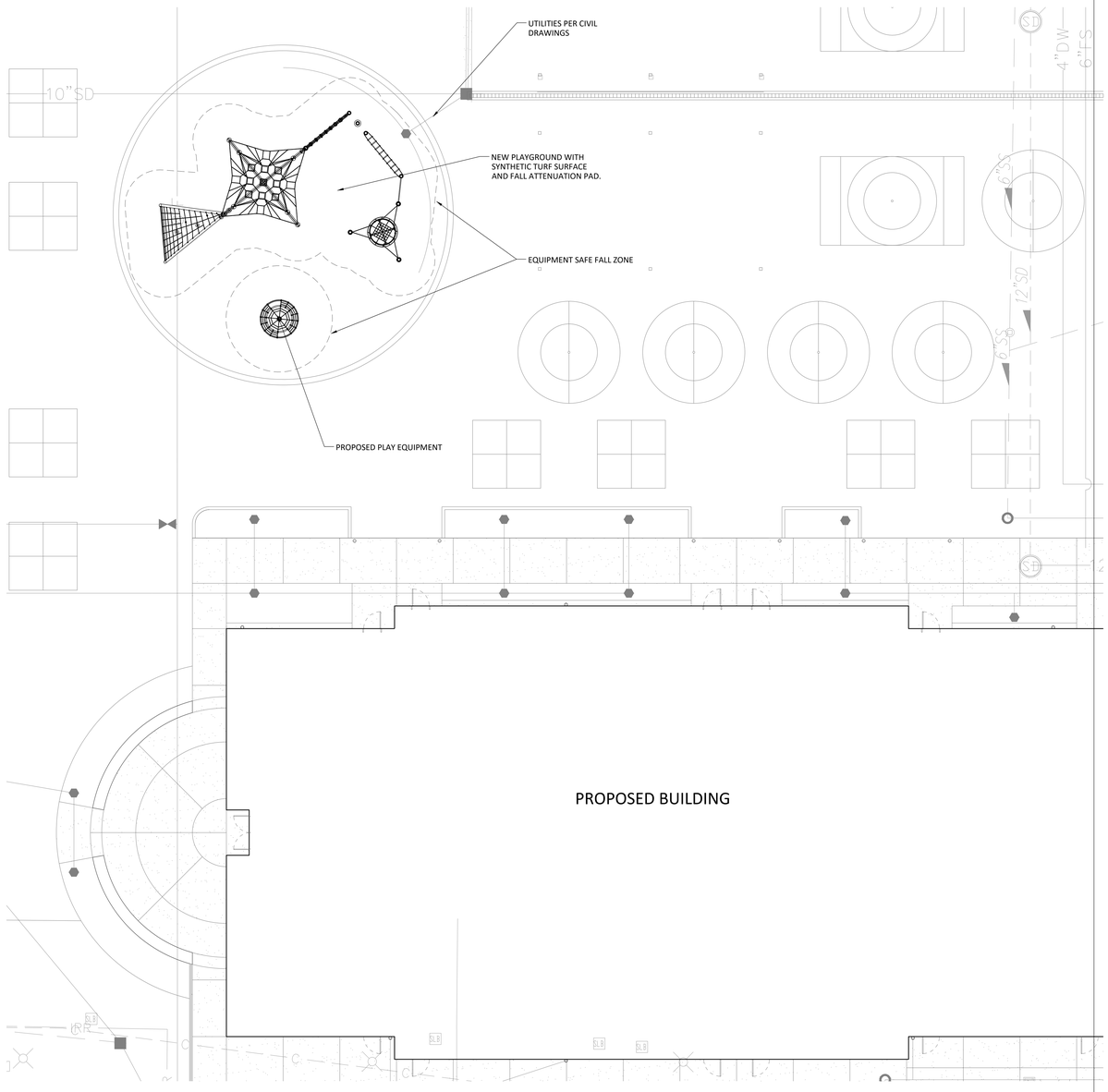

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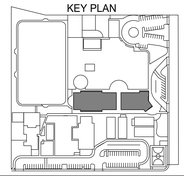
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

PLAY AREA PLAN

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2L4.1
Drawn Staff	Checked MS

PRINT DATE: 6/10/2026 5:16:21 PM
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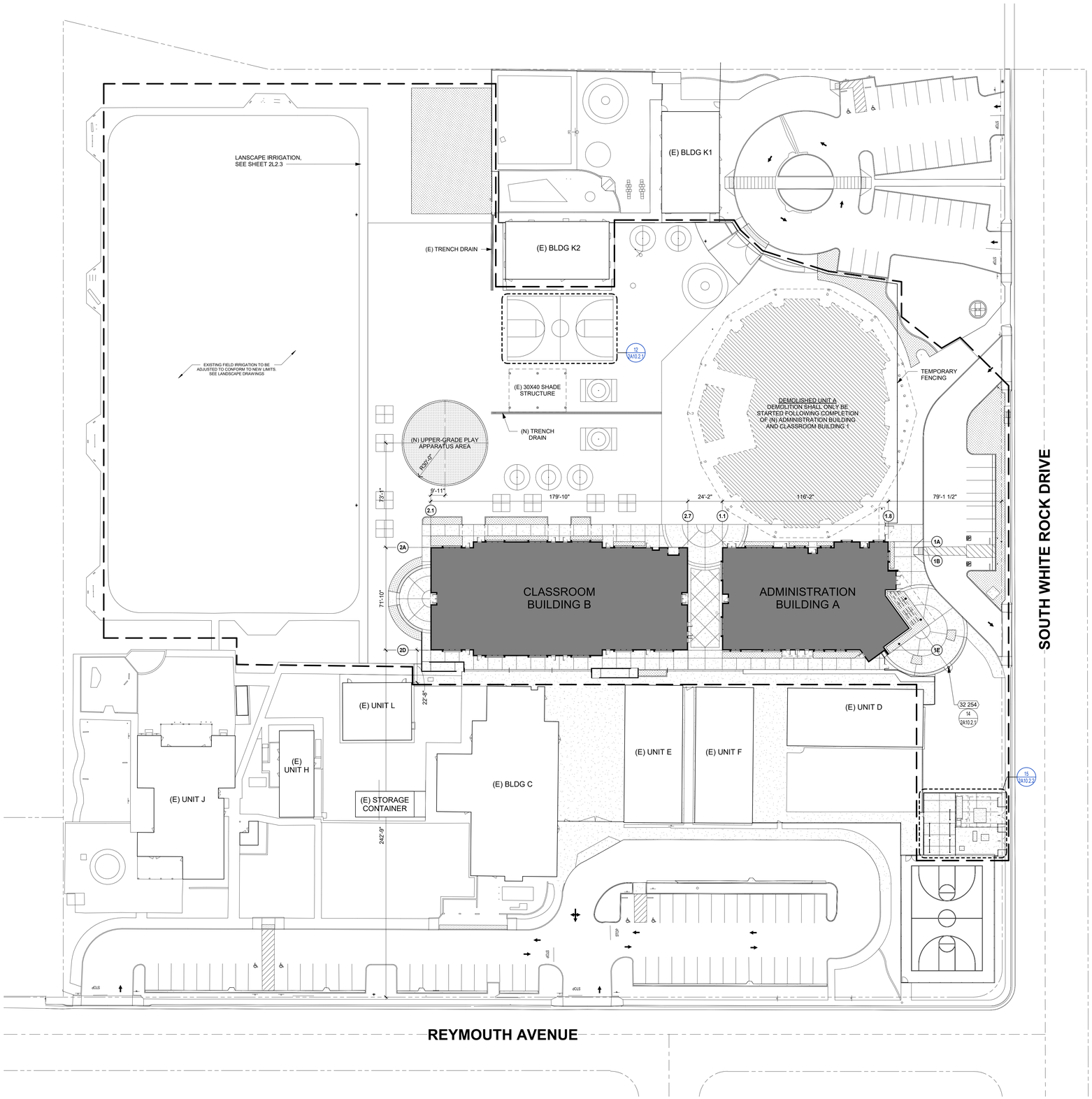

N

SITE PLAN 1" = 30'-0" 10

KEYNOTES

NUMBER	NOTE
32 254	FLAGPOLE (SEE SITE DETAILS SHEET 2A10.2.1)

GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR 6'-0" HIGH TEMPORARY CONSTRUCTION BARRIER WITH VISION SCREEN AT STAGING, STORAGE AND CONSTRUCTION AREA WITH SIGNAGE EVERY 20'-0" TO WARN STUDENTS OF CONSTRUCTION AREA.
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8. GATES IN PATH OF TRAVEL SHALL COMPLY WITH EXIT DOOR REQUIREMENTS WITH PROPER LEVER HARDWARE AND KICK PLATES.

LEGEND

- CONCRETE, SEE CIVIL DRAWINGS
- CONCRETE SEAT WALL, SEE CIVIL DRAWINGS
- LANDSCAPING, SEE LANDSCAPE DRAWINGS
- PROPERTY LINE
- LIMIT OF WORK
- LINE OF ROOF, SKYLIGHT, OR SOFFIT OVERHEAD - SHOWN DASHED
- TEMPORARY FENCING FOR CONSTRUCTION AREA
- FIRE HYDRANT

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○ CONSTRUCTION	

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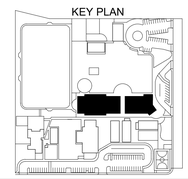

FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

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CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

SITE PLAN - PHASE 1 INC 2

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2A1.1
Drawn / Checked	
RR / CG	

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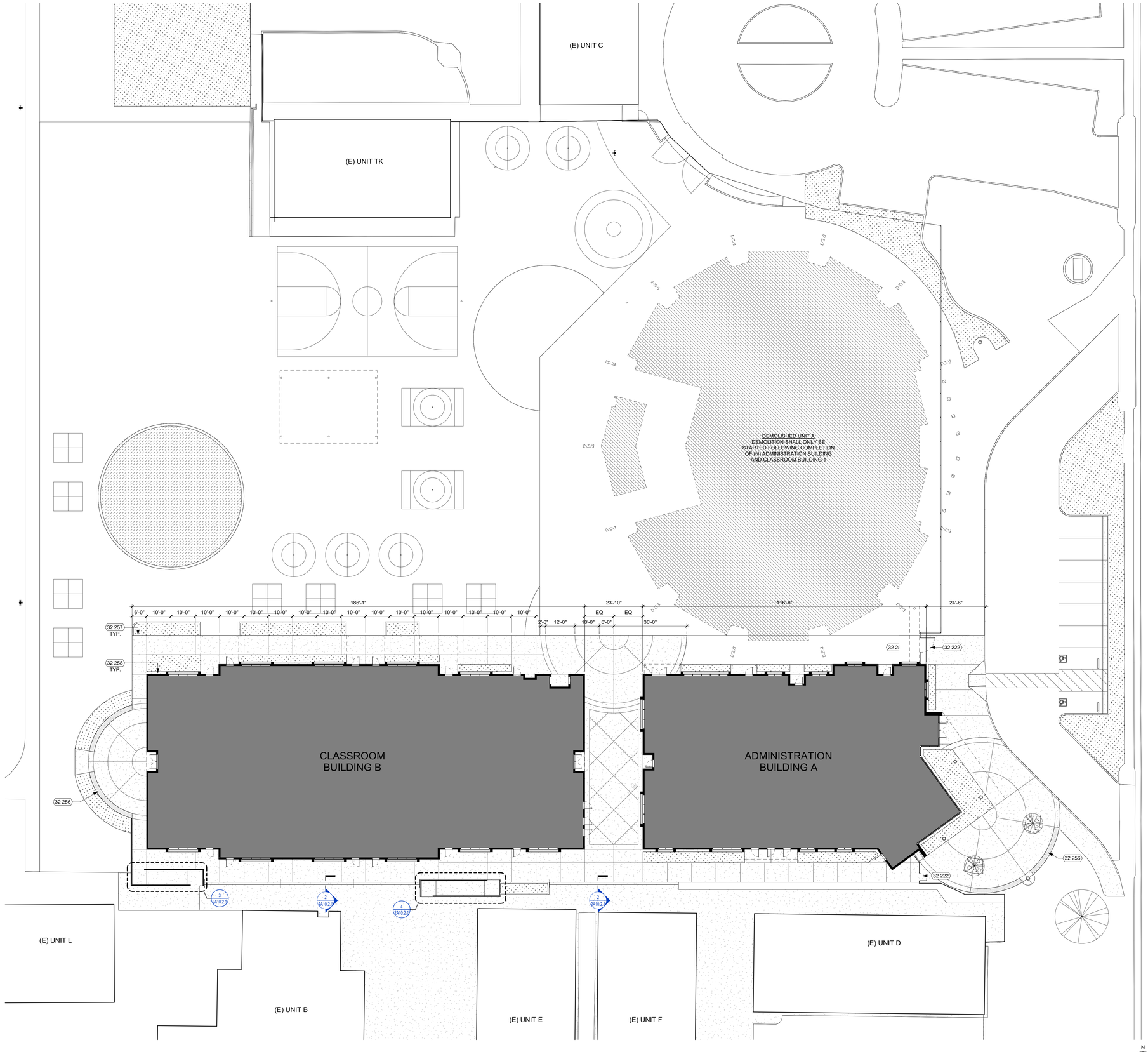

KEYNOTES

NUMBER	NOTE
32 222	CHAIN LINK GATE (SEE SHEET 2A10.2.2 FOR DETAIL)
32 256	(N) CONCRETE SEAT WALL (SEE DETAIL 6/2A10.2.1)
32 257	SIDEWALK AT PLANTER (SEE DETAIL 1/2A10.2.1)
32 258	CONCRETE MOW STRIP (SEE DETAIL 11/2A10.2.1)

GENERAL NOTES

LEGEND

- CONCRETE, SEE CIVIL DRAWINGS
- DETECTABLE WARNING SURFACE, SEE CIVIL DRAWINGS
- LANDSCAPING, SEE LANDSCAPE DRAWINGS

ENLARGED SITE SCORING PLAN 1/16" = 1'-0" 10

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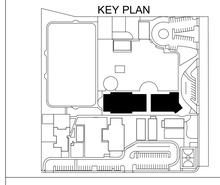

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MODERNIZATION INCREMENT 2
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ENLARGED SITE SCORING PLAN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2A1.3
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LEGEND

AREA OF WORK

PATH OF TRAVEL TO CAMPUS EXITS

*NOTE:
60" EXITING WIDTH OK FOR UP TO 300 OCCUPANTS.
72" EXITING WIDTH OK FOR UP TO 360 OCCUPANTS.

Phase 1 Exiting | 1" = 30'-0" | 10

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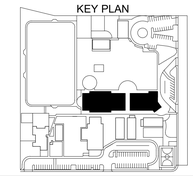
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

SITE PLAN OVERALL PHASE 1 EXITING

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2A1.4
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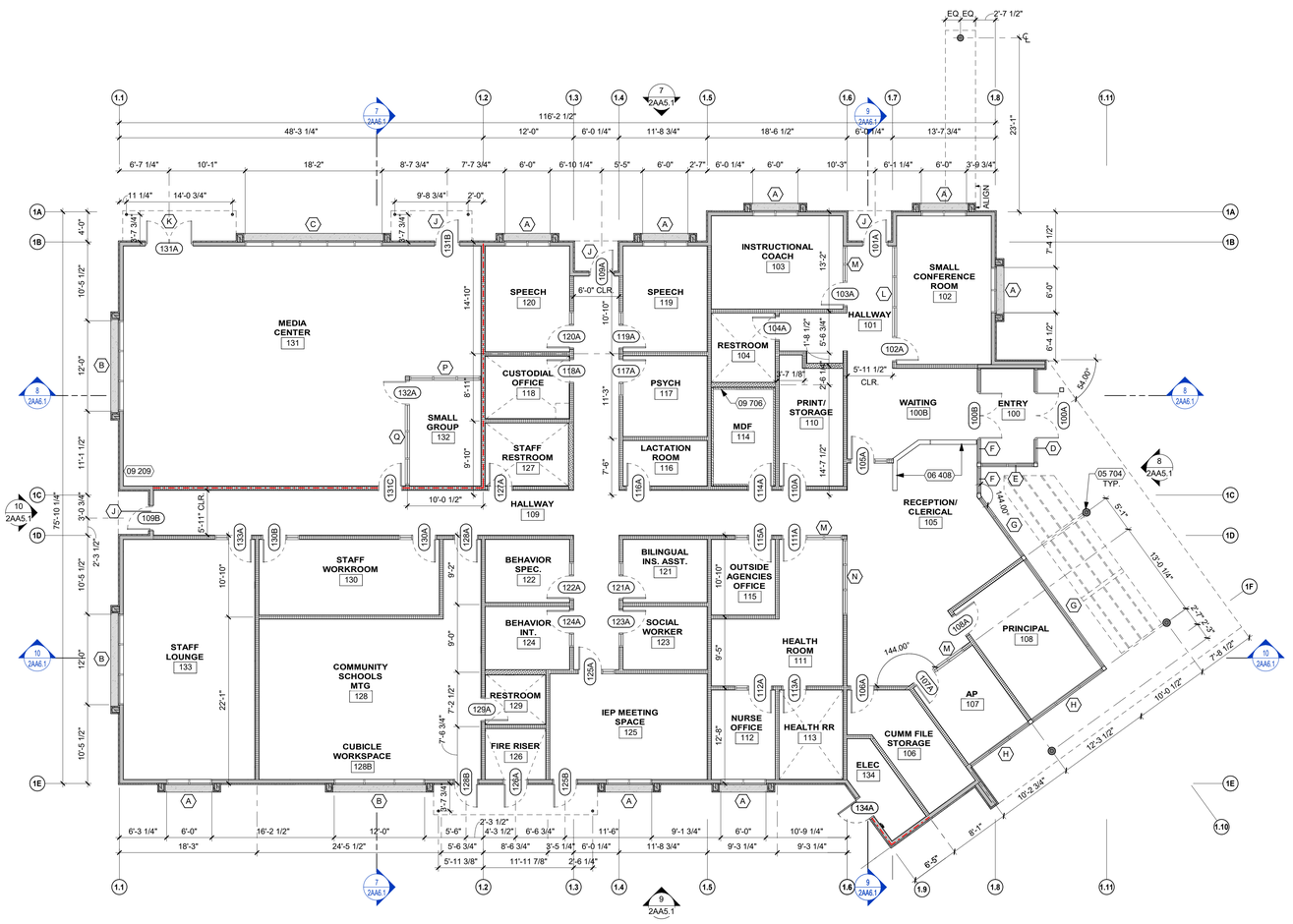

KEYNOTES

NUMBER	NOTE
05 704	METAL COLUMN WRAP AROUND STRUCTURAL COLUMN, SEE STRUCTURAL DWGS
06 408	PARTIAL HEIGHT WALL AT RECEPTION DESK (SEE 7/2A10.11)
09 209	EXTEND GYPSUM BOARD FROM HIGHEST RATED ASSEMBLIES TO INSIDE CORNER TO PROVIDE FLUSH WALL SURFACE, TYP.
09 706	ELECTRICAL TERMINAL BOARD O/ GYPSUM WALLBOARD

GENERAL NOTES

GENERAL
1. FOR PLUMBING FIXTURES, FLOOR DRAINS, CASEWORK, AND OTHER EQUIPMENT - REFER TO EQUIPMENT PLAN.
2. FOR ALL REQUIRED SIGNAGE INCLUDING ROOM NAME AND NUMBER THROUGHOUT - REFER TO CODE ANALYSIS PLAN.
3. ALL EXTERIOR WALLS SHALL HAVE R-21 BATT INSULATION, FULL HEIGHT AND SOUND INSULATION TO BE INSTALLED AT INTERIOR WALLS.
4. PAINT ALL INTERIOR WALLS - REFER TO ROOM FINISH SCHEDULE FOR INTERIOR WALL FINISHES.
5. DOORS SHALL BE INSTALLED 4" FROM JAMB UNLESS OTHERWISE NOTED. FOR ADDITIONAL REQUIRED DOOR CLEARANCES, SEE DETAIL 1 / 2A10.8.1
6. AT OUTSIDE CORNERS OF INTERIOR WALLS, PROVIDE CORNER GUARDS. SEE DETAIL 6 / 2A10.10.3

STRUCTURE
1. DIMENSIONS OF WALLS ARE FROM FACE OF STUD AT EXTERIOR AND CENTERLINE FOR INTERIOR, UNLESS OTHERWISE NOTED.
2. REFER TO STRUCTURAL DRAWINGS FOR HEADER SCHEDULE AND FRAMING DETAILS FOR OPENINGS IN INTERIOR AND EXTERIOR WALLS.
3. SEE STRUCTURAL DRAWINGS FOR FRAMING SIZE AND SPACING.
4. SEE STRUCTURAL DRAWINGS FOR COLUMN LOCATIONS AND SIZING.

LEGEND

- A101A — DOOR NUMBER, SEE DOOR SCHEDULE
- A — WINDOW, STOREFRONT, OR CURTAINWALL SEE WINDOW SCHEDULE
- LINE OF ROOF, SKYLIGHT, OR SOFFIT OVERHEAD - SHOWN DASHED
- EXTERIOR 6" STUD WALL, SEE DETAIL 1 / 2A10.1
- EXTERIOR 4" FURRED STUD WALL, SEE DETAIL 2 / 2A10.1
- INTERIOR 6" STUD WALL, SEE DETAIL 6 / 2A10.1
- INTERIOR 8" STUD WALL, SEE DETAIL 6 / 2A10.1
- 1 HOUR RATING:
  FOR EXTERIOR RATED CONDITION SEE DETAIL 5 / 2A10.1
  FOR INTERIOR RATED CONDITION SEE DETAIL 10 / 2A10.1
- FD — FLOOR DRAIN WITH SLOPED FLOOR, SEE DETAIL 4 / 2A10.10.3

NOTES:
- SEE STRUCTURAL PLANS FOR ADDITIONAL INFORMATION
- FOR ALL EXTERIOR WALL FINISHES, SEE EXTERIOR ELEVATION SHEETS AA5.1 AND AB5.1

N

ADMINISTRATION BUILDING FLOOR PLAN 1/8" = 1'-0" 10

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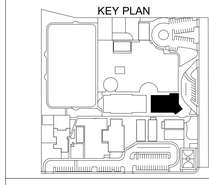

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1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

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ADMIN BLDG - FLOOR PLAN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
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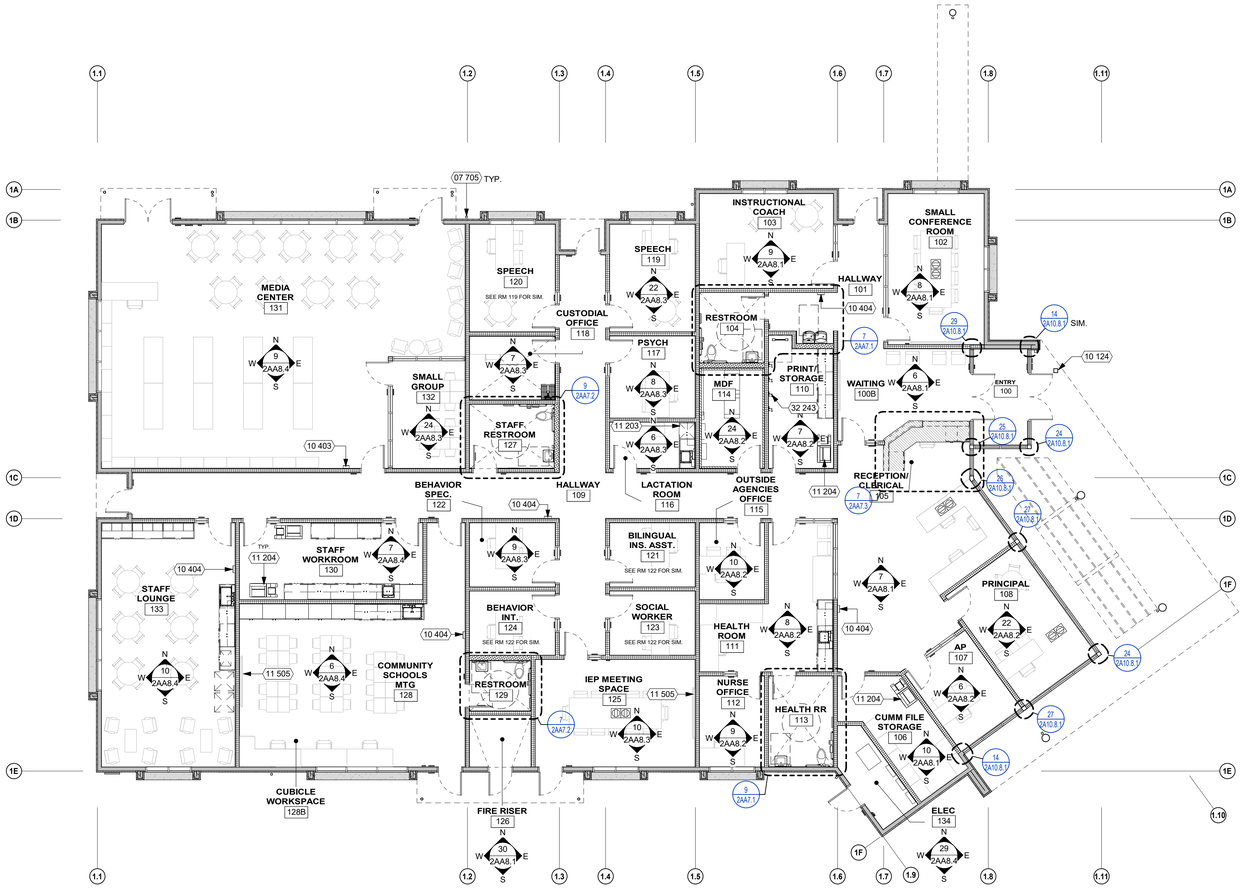

KEYNOTES

NUMBER	NOTE
07 705	DOWNSPOUT, PAINT TO MATCH COLOR(S) OF WALL BEHIND (SEE DETAIL 9/2A10.7.1)
10 124	PEDESTAL ACTUATOR
10 403	FIRE EXTINGUISHER (2A-10B:C) IN SURFACE-MOUNTED CABINET (SEE DETAIL 1/A10.10.3)
10 404	FIRE EXTINGUISHER WITH MIN. RATING OF 2A-10B:C & PER CFC 906. TYP. IN SEMI-RECESSED CABINET (SEE DETAIL 1/2A10.10.3)
11 203	REFRIGERATOR/FREEZER (N.I.C.)
11 204	COPY MACHINE (N.I.C.)
11 505	TELEVISION, O.F.O.I., 4" MAX DEPTH. CENTERED WITHIN WALL SPACE. PROVIDE BLOCKING (SEE DETAIL 16/2A10.12)
32 243	(1) 1-BIKE CAPACITY BIKE RACK, SEE SPECS.

GENERAL NOTES

1. FOR SIGNAGE REFER TO CODE ANALYSIS PLAN.
2. FOR CASEWORK DIMENSIONS REFER TO INTERIOR ELEVATIONS.
3. FOR TYPICAL CASEWORK ANCHORAGE SEE DETAIL 2 / 2A10.12
4. FOR TACK BOARD LOCATIONS REFER TO INTERIOR ELEVATIONS.
5. FOR RESTROOM FIXTURES, PARTITIONS, AND SPECIALTIES, REFER TO ENLARGED RESTROOM PLANS.

LEGEND

- 30" x 48" ACCESSIBLE CLEAR SPACE
- 60" DIAMETER ACCESSIBLE CLEAR SPACE
- LINE OF ROOF, SKYLIGHT, OR SOFFIT OVERHEAD - SHOWN DASHED
- FD — FLOOR DRAIN WITH SLOPED FLOOR, SEE DETAIL 4 / 2A10.10.3

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ADMINISTRATION BUILDING EQUIPMENT PLAN 1/8" = 1'-0" 10

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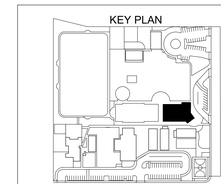

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1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

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ADMIN BLDG - EQUIPMENT PLAN

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KEYNOTES

NUMBER	NOTE
05 101	STEEL COLUMN (SEE STRUCTURAL DWGS.)

GENERAL NOTES

GENERAL
1. SEE ROOM FINISH SCHEDULE SHEET FOR MORE INFORMATION.
2. FOR CONCRETE EXPANSION JOINT REQUIREMENTS, SEE STRUCTURAL DWGS.
3. CONCRETE IN CARPETED AREAS DOES NOT HAVE A SPECIFIC SCORING PATTERN BUT CONTROL JOINTS MUST NOT EXCEED 10'-0" O.C. MAX. SPACING.

MILLWORK
1. ALL MILLWORK TO BE INSTALLED PRIOR TO FINISH FLOORING, BUT AFTER PAINT WORK. MILLWORK SHALL BE MOUNTED TO SUB-FLOOR. FOR TYPICAL CASEWORK ANCHORAGE, SEE CASEWORK ANCHORAGE DETAIL 2/2A10.12

FINISH PLAN LEGEND

- CARPET: TILE, FOR WALL BASE SEE 12/2A10.10.2
- CARPET: WALK-OFF MAT, FOR WALL BASE SEE 12/2A10.10.2
- RESILIENT FLOORING: LVT PLANK, FOR WALL BASE SEE 13/2A10.10.2
- EPOXY MOSAIC COMPOSTITION FLOORING,FOR WALL BASE SEE 14/2A10.10.2
- EXPOSED AND SEALED CONCRETE PER SPECIFICATIONS, FOR WALL BASE SEE 11/2A10.10.2
- DEPRESSED CONCRETE SLAB, PER STRUCTURAL DRAWINGS
- FD FLOOR DRAIN PER PLANS, SLOPE FINISH TO DRAIN 4/2A10.10.2
- LINE OF ROOF, SKYLIGHT, OR SOFFIT OVERHEAD - SHOWN DASHED

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ADMINISTRATION BUILDING FLOOR PATTERN PLAN 1/8" = 1'-0" 10

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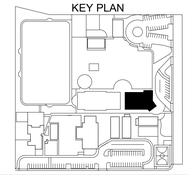

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ADMIN BLDG - FLOOR PATTERN PLAN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AA2.3
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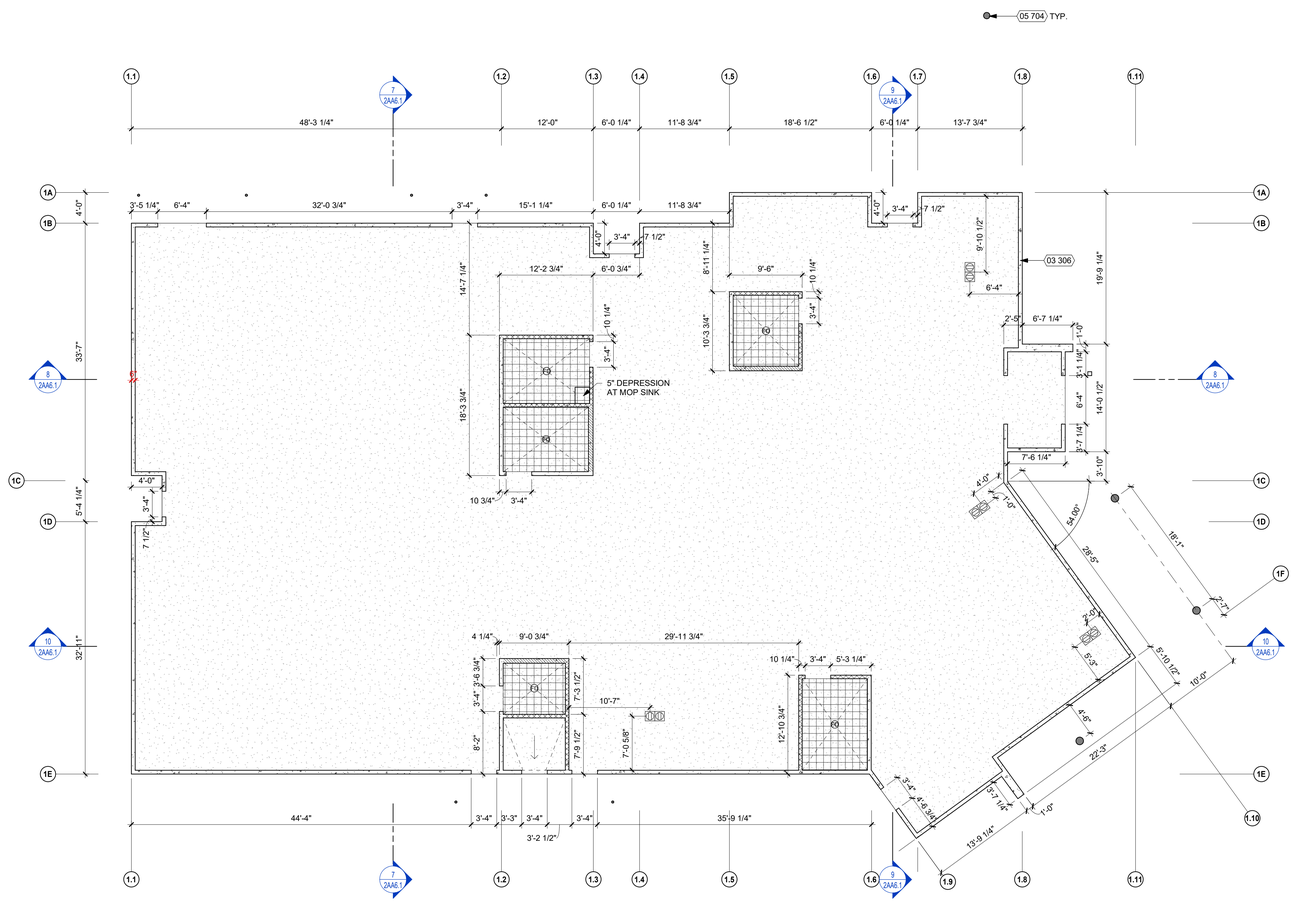

KEYNOTES

NUMBER	NOTE
03 306	CONCRETE CURB, 6" HIGH (SEE STRUCTURAL DWGS.)
05 704	METAL COLUMN WRAP AROUND STRUCTURAL COLUMN, SEE STRUCTURAL DWGS

GENERAL NOTES

GENERAL
1. FOR PLUMBING FIXTURES, FLOOR DRAINS, CASEWORK, AND OTHER EQUIPMENT - REFER TO EQUIPMENT PLAN.
2. FOR ALL REQUIRED SIGNAGE INCLUDING ROOM NAME AND NUMBER THROUGHOUT - REFER TO CODE ANALYSIS PLAN.
3. ALL EXTERIOR WALLS SHALL HAVE R-21 BATT INSULATION, FULL HEIGHT AND SOUND INSULATION TO BE INSTALLED AT INTERIOR WALLS.
4. PAINT ALL INTERIOR WALLS - REFER TO ROOM FINISH SCHEDULE FOR INTERIOR WALL FINISHES.
5. DOORS SHALL BE INSTALLED 4" FROM JAMB UNLESS OTHERWISE NOTED. FOR ADDITIONAL REQUIRED DOOR CLEARANCES, SEE DETAIL 1 / 2A10.8.1
6. AT OUTSIDE CORNERS OF INTERIOR WALLS, PROVIDE CORNER GUARDS. SEE DETAIL 6 / 2A10.10.3

STRUCTURE
1. DIMENSIONS OF WALLS ARE FROM FACE OF STUD AT EXTERIOR AND CENTERLINE FOR INTERIOR, UNLESS OTHERWISE NOTED.
2. REFER TO STRUCTURAL DRAWINGS FOR HEADER SCHEDULE AND FRAMING DETAILS FOR OPENINGS IN INTERIOR AND EXTERIOR WALLS.
3. SEE STRUCTURAL DRAWINGS FOR FRAMING SIZE AND SPACING.
4. SEE STRUCTURAL DRAWINGS FOR COLUMN LOCATIONS AND SIZING.

LEGEND

- CONCRETE FLOOR SLAB, SEE CIVIL PLANS FOR FINISH FLOOR ELEVATION
- RAISED CONCRETE CURB, TYPICAL 6" WIDTH U.N.O., SEE DETAIL
- RAISED CONCRETE CURB, 5 1/2" WIDTH, SEE DETAIL
- RAISED CONCRETE CURB, 7 1/4" WIDTH, SEE DETAIL
- DEPRESSED CONCRETE SLAB, 2" U.N.O.
- FLOOR DRAIN WITH SLOPED FLOOR, SEE DETAIL 4 / 2A10.10.3
- OUTLET FLOOR DUPLEX, SEE ELECTRICAL DRAWINGS

N

ADMINISTRATION BUILDING SLAB FLOOR PLAN 1/8" = 1'-0" 10

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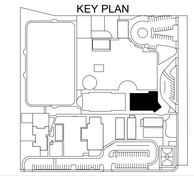

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Date	Project Number
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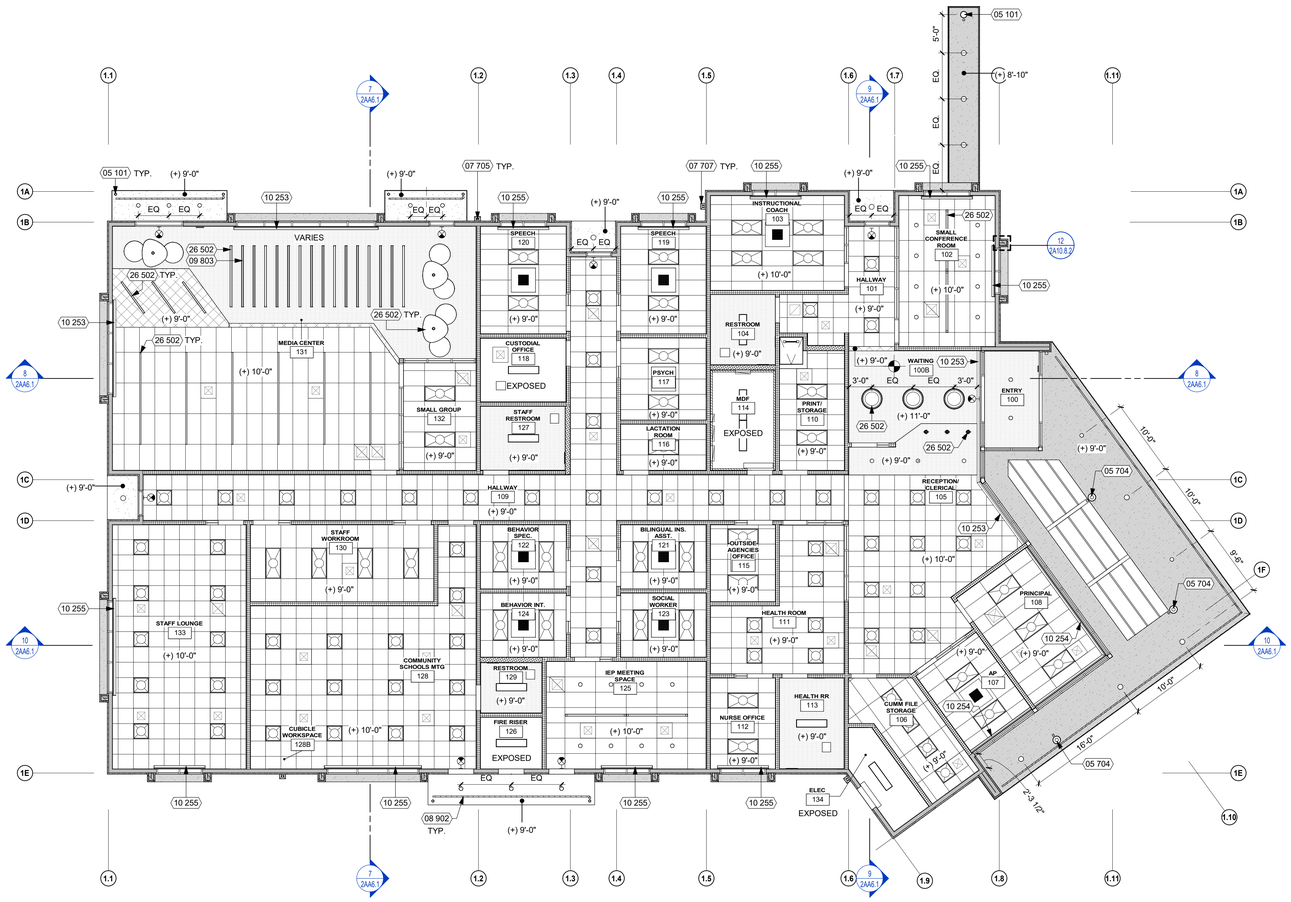

KEYNOTES

NUMBER	NOTE
05 101	STEEL COLUMN (SEE STRUCTURAL DWGS.)
05 704	METAL COLUMN WRAP AROUND STRUCTURAL COLUMN, SEE STRUCTURAL DWGS
07 705	DOWNSPOUT, PAINT TO MATCH COLOR(S) OF WALL BEHIND (SEE DETAIL 9/2A10.7.1)
07 707	DOWNSPOUT CONDUCTOR HEAD (SEE DETAIL 14/2A10.7.1)
08 902	SOFFIT VENT
09 803	ACOUSTIC BAFFLES TO COORDINATE WITH LIGHT FIXTURES (SEE ELECTRICAL)
10 253	MOTOR-OPERATED WINDOW ROLLER SHADES AT STOREFRONT (SEE DETAIL 7/2A10.8.2)
10 254	MOTOR-OPERATED WINDOW ROLLER SHADES AT HM FRAME WINDOW (SEE DETAIL 8/2A10.8.2)
10 255	MANUAL-OPERATED WINDOW ROLLER SHADES AT HM FRAME WINDOW (SEE DETAIL 8/2A10.8.2)
26 502	INTERIOR LIGHT FIXTURE (SEE ELECTRICAL DWGS.)

GENERAL NOTES

GENERAL

1. ALL HEIGHTS ARE REFERENCED FROM FINISH FLOOR ELEVATIONS = 0'-0"
2. ACCESS DOORS TO BE INSTALLED TO SERVICE EQUIPMENT SHOWN IN CONTRACT DOCUMENTS. SEE DETAIL 4 / 2A10.9.3
3. PROVIDE ACCESS PANELS TO ENCLOSED AREAS ABOVE GYPSUM BOARD CEILINGS. CENTER AND ALIGN TO LIGHT FIXTURES, AND OTHER CEILING FIXTURES PER PLAN.
4. CEILING SYSTEM SHOULD BE CENTERED WITHIN EACH ROOM AS WELL AS ALIGNED WITH THE STRUCTURAL GRID, U.O.N.
5. CEILING SYSTEM SHALL BE COORDINATED WITH THE LIGHTING & ELECTRICAL PLANS.
6. SKYLIGHT WELL ON THE CEILING PLAN SHOULD BE VERTICALLY ALIGNED WITH THE CORRESPONDING SKYLIGHT ON THE ROOF WHERE OCCURS.
7. PAINT GYP. BD. CEILINGS AND SOFFITS P-1 U.O.N. (PAINT FINISH TO BE SAME AT FACE AND UNDERSIDE OF SOFFITS.) REFER TO ROOM FINISH SCHEDULE FOR COLOR SELECTIONS
8. PAINT EXPOSED CEILINGS, DUCTWORK AND EQUIPMENT PER FINISH SCHEDULE.
9. NO EXPOSED NAILS OR SCREWS ARE ALLOWED.

EQUIPMENT

1. SEE ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SUPPORTS & BRACING. ELECTRICAL DEVICES ARE SHOWN FOR LOCATION IN RELATION TO LIGHT FIXTURES AND MECHANICAL DIFFUSERS IN SELECT AREAS. FOR FIXTURE INFORMATION SEE ELECTRICAL DRAWINGS.
2. SEE MECHANICAL AND PLUMBING DRAWINGS FOR DIFFUSERS AND PIPE CHASES.
3. SEE FIRE PROTECTION DETAILS FOR PENETRATIONS THROUGH RATED WALLS, WHERE OCCURS.
4. SINGLE LIGHT FIXTURES IN GYP. BD. CEILINGS SHALL BE CENTERED IN ROOM.
5. LIGHT FIXTURE DIMENSIONS ARE TO CENTERLINE OF FIXTURE OR GROUP OF FIXTURES, U.O.N.
6. CENTER AND ALIGN SMOKE DETECTOR, DIFFUSERS, GRILLS, AND SIMILAR ITEMS IN CEILING TILE GRID AND ALIGN WITH LIGHT FIXTURES, SEE DETAIL 1 / 2A10.9.3
7. SEE ELECTRICAL DRAWINGS FOR LOW LEVEL EXIT SIGN LOCATIONS.
8. COORDINATE LOCATION OF CEILING FANS AND LIGHTING. ENSURE THAT FAN BLADES DO NOT UNDERCUT LIGHTING FIXTURES.

LEGEND

- 2x4 SUSPENDED ACOUSTICAL CEILING PANEL SYSTEM. SEE SHEET 2A10.9.1 AND 2A10.9.2 FOR ATTACHMENT TO STRUCTURE.
- 2x2 SUSPENDED ACOUSTICAL CEILING PANEL SYSTEM. SEE SHEET 2A10.9.1 AND 2A10.9.2 FOR ATTACHMENT TO STRUCTURE.
- GYPSUM WALLBOARD CEILING, PAINTED P1 PER FINISH SCHEDULE. SEE DETAIL 2 / 2A10.9.3
- GYPSUM WALLBOARD CEILING, PAINTED P2 PER FINISH SCHEDULE. SEE DETAIL 2 / 2A10.9.3
- EXTERIOR EIFS SOFFIT, PAINTED P1 PER FINISH SCHEDULE. SEE DETAILS 6 / 2A10.6, 7 / 2A10.6
- EXTERIOR EIFS SOFFIT, PAINTED P2 PER FINISH SCHEDULE. SEE DETAILS 6 / 2A10.6, 7 / 2A10.6
- LIGHT FIXTURES, SEE ELECTRICAL DRAWINGS
- MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS
- CEILING ACCESS PANEL, SEE DETAIL 4 / 2A10.9.3
- ROOM NAME / A119 / (+) 9'-0" — ROOM TAG; (+) 9'-0" = CEILING HEIGHT OF ROOM, U.O.N.
- ROOM NAME / A119 / EXPOSED — ROOM TAG; EXPOSED = OPEN TO STRUCTURE
- EMERGENCY EXIT LIGHT

N

ADMINISTRATION BUILDING REFLECTED CEILING PLAN | 1/8" = 1'-0" | 10

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NO.	REMARKS	DATE

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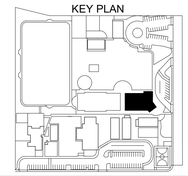
KEY PLAN



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RANCHO CORDOVA, CA 95742

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RANCHO CORDOVA, CA 95670

ADMIN BLDG - REFLECTED CEILING PLAN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AA3.1
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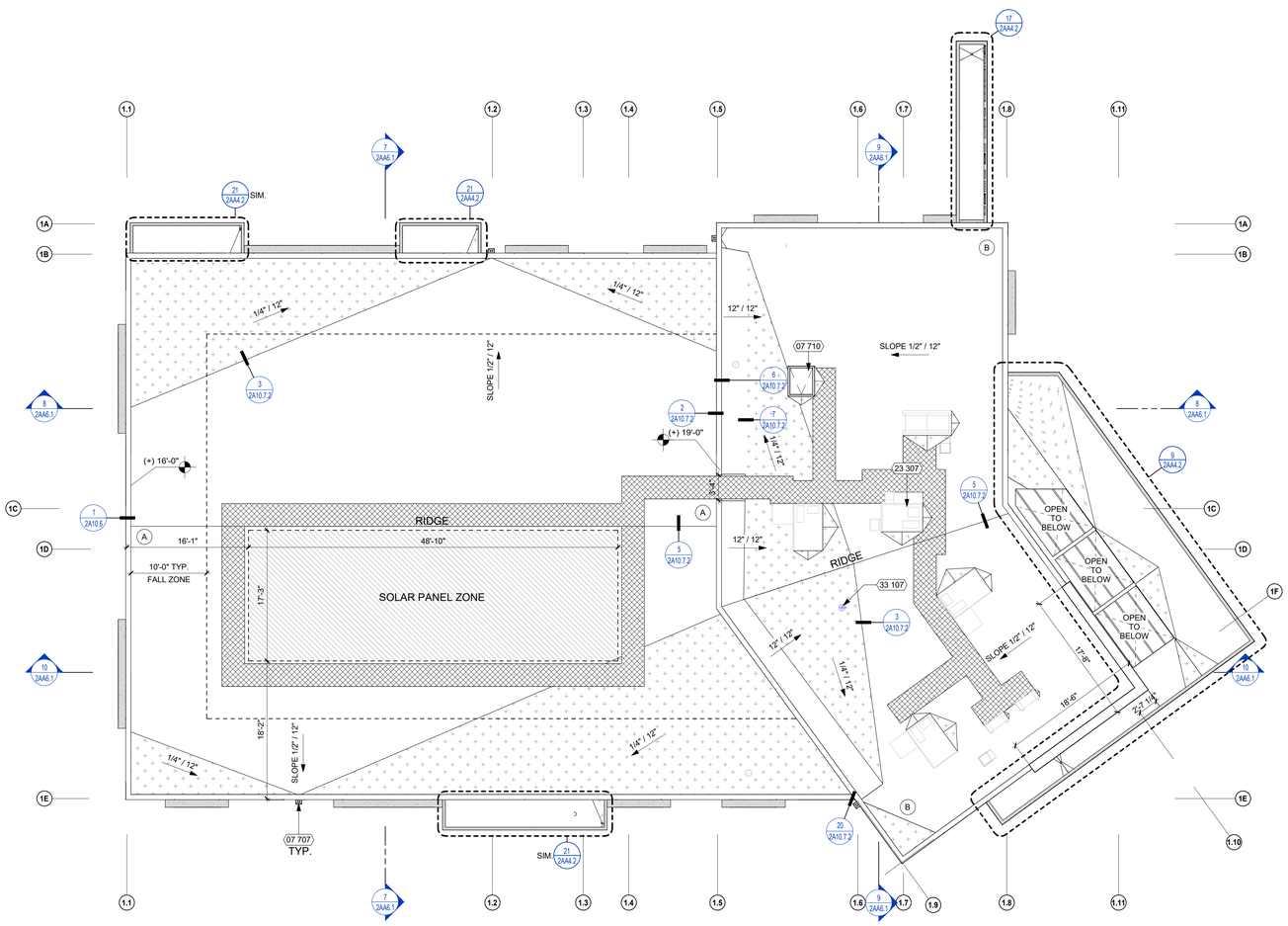

KEYNOTES

NUMBER	NOTE
07 707	DOWNSPOUT CONDUCTOR HEAD (SEE DETAIL 14/2A10.7.1)
07 710	ROOF ACCESS HATCH, 36x42 (SEE DETAIL 3/2A10.7.1)
23 307	MECHANICAL EQUIPMENT, TYP. (SEE MECHANICAL DWGS.)

GENERAL NOTES

GENERAL
1. NOTES AND SYMBOLS ARE TO APPLY AT ALL AREAS OF SIMILAR GRAPHIC REPRESENTATION. SUCH INDICATIONS MAY BE LIMITED TO PROMOTE CLARITY OR AVOID REDUNDANCY. NO LIMITATION OF APPLICATION SHALL BE CONSTRUED WITHOUT SPECIFIC NOTATION.
2. ALL ROOF MATERIALS TO BE CLASS A RATED.
3. MINIMUM ROOF INSULATION R-30 ALL LOCATIONS OF THE ROOF.
4. MINIMUM THICKNESS OF ROOF INSULATION TO BE 6" AT LOW POINT OF ROOF DRAIN SUMP.
5. FLASHING TERMINATIONS SHALL HAVE WATER-TIGHT SHEET METAL CLOSURES WITH WATERPROOF SELF-ADHERED MEMBRANE UNDERLAYMENT.
6. NAILER THICKNESS SHALL MATCH ADJACENT INSULATION THICKNESS WITHIN 1/4" TOLERANCE.

SLOPES AND DRAINAGE
1. SECONDARY SLOPE (CRICKETS, SADDLES, SUMPS, ETC.) SHALL BE 1/4" / FT. SLOPE MINIMUM AS INDICATED AT ALL ROOF AREAS, INCLUDING VALLEYS, AND STEEPER AS REQUIRED TO MEET VALLEY SLOPE CRITERIA.
2. BACK SLOPES SHALL BE 2X THE PRIMARY SLOPE.
3. MINIMUM ROOF SLOPE IN VALLEYS IS 1/4" / FT. ADJUST SLOPE OF CRICKETS TO PROVIDE MINIMUM SLOPE AT ALL LOCATIONS OF ROOF. TO PREVENT PONDING, DIRECT ALL ROOF WATER TO DRAINS.
4. TAPER INSULATION UP FROM DRAIN IN SUMPS MINIMUM OF 1/4" / FT. BUT NOT TO EXCEED 1" /FT. PROVIDE TAPERED FILL TO CONFORM THE SUMP INSULATION TO THE THICKNESS OF INSULATION IN THE FIELD OF THE ROOF.
5. PROVIDE TAPERED CRICKET ON THE HIGH SIDE OF PENETRATIONS WIDER THAN 24".
6. MINIMUM SLOPE 1/4"/FT TO DRAIN AT ALL LOCATIONS.

EQUIPMENT
1. REFER TO MECHANICAL, PLUMBING, ELECTRICAL AND OTHER FACILITY SERVICES DRAWINGS FOR EQUIPMENT, DUCTWORK, PENETRATIONS AND OTHER FEATURES NOT OTHERWISE SHOWN.
2. PENETRATIONS, CURBS AND TERMINATIONS, INCLUDING THOSE FOR MECHANICAL, ELECTRICAL, PLUMBING AND OTHER FACILITY SERVICES SHALL PROVIDE MINIMUM 8" VERTICAL BASE FLASHING ELEVATION ABOVE THE TOP OF THE ADJACENT ROOF SURFACE (NOT STRUCTURAL DECK).
3. EQUIPMENT SUPPORT PENETRATIONS SHALL BE ROUND SHAPES UNLESS SPECIFICALLY DETAILED OTHERWISE.
4. FOR CONDUIT THROUGH ROOF DETAIL, SEE ELECTRICAL DRAWINGS
5. FOR TYPICAL PENETRATION CLEARANCES, SEE DETAIL 7 / 2A10.7.1
6. FOR DUCT THRU WALL PENETRATION, SEE DETAIL 10 / 2A10.7.1
7. FOR VENT PIPE AT SINGLE PLY ROOFING, SEE DETAIL 11 / 2A10.7.1

SOLAR READY ZONE

CEC SECTION 110.10 MANDATORY REQUIREMENTS FOR SOLAR READY BUILDINGS

(B) SOLAR ZONE

1. MINIMUM AREA. (B) NONRESIDENTIAL BUILDINGS. THE SOLAR ZONE SHALL BE LOCATED ON THE ROOF OR OVERHANG OF THE BUILDING OR ON THE ROOF OR OVERHANG OF ANOTHER STRUCTURE LOCATED WITHIN 250 FEET OF THE BUILDING OR ON COVERED PARKING INSTALLED WITH THE BUILDING PROJECT AND HAVE A TOTAL AREA NO LESS THAN 15 PERCENT OF THE TOTAL ROOF AREA OF THE BUILDING EXCLUDING ANY SKYLIGHT AREA.
   A. BUILDING F:
      a. TOTAL ROOF AREA = 13,486 SF
      b. 15% OF TOTAL ROOF AREA = 2,023 SF
   B. TOTAL AREA REQUIRED = 2,023 SF
      a. TOTAL SOLAR READY AREA PROVIDED = 2,000 SF
      b. SOLAR READY AREA IDENTIFIED ON BUILDING ADMIN ROOF PLAN.
2. ORIENTATION. ALL SECTIONS OF THE SOLAR ZONE LOCATED ON STEEP-SLOPED ROOFS SHALL BE ORIENTED BETWEEN 110 DEGREES AND 270 DEGREES OF TRUE NORTH.
   A. SEE ROOF PLAN FOR COMPLIANCE.
3. SHADING. NO OBSTRUCTIONS SHALL BE LOCATED IN THE SOLAR ZONE.
   A. SEE ROOF PLAN FOR COMPLIANCE.
4. STRUCTURAL DESIGN LOADS ON CONSTRUCTION DOCUMENTS.
   A. SEE STRUCTURAL DRAWINGS FOR DESIGN LOADS.

(C) INTERCONNECTION PATHWAYS

1. SEE ELECTRICAL DRAWINGS FOR COMPLIANCE.

(D) DOCUMENTATION

1. A COPY OF THE CONSTRUCTION DOCUMENTS OR A COMPARABLE DOCUMENT INDICATING THE INFORMATION FROM SECTION 110.10(B) THROUGH 110.10 (C) SHALL BE PROVIDED TO THE OCCUPANT.

VENTILATION CALCULATION

ATTIC AREAS	TOTAL AREA	MINIMUM AREA REQUIRED
A	5682 SF	38 SF
B	2943 SF	20 SF

NOTES:
1. MINIMUM VENT AREA REQUIRED PER CBC 1202.2.
2. THE NET FREE VENTILATING AREA SHALL NOT BE LESS THAN 1/150 OF AREA OF THE SPACE VENTILATED.
3. ENCLOSED SPACE RAFTER AREAS
   A. PROVIDE 1 1/2" DIA. SCREEN VENT HOLES AT 12" TYPICAL.

LEGEND

- SINGLE PLY ROOFING, SEE DETAIL 1 / 2A10.7.2
- ROOF ACCESS HATCH, SEE DETAIL 3 / 2A10.7.1
- ROOF WALKWAY PADS 9 / 2A10.7.2
- ROOF CRICKET, TAPERED RIGID INSULATION, SLOPED TO DRAIN PER DETAIL 3 / 2A10.7.2
- SOLAR READY ZONE, SEE PHOTOVOLTAIC PV SYSTEM DWGS.

N

ADMINISTRATION BUILDING ROOF PLAN 1/8" = 1'-0" 10

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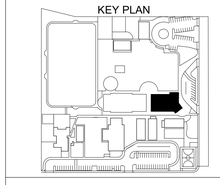

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ADMIN BLDG - ROOF PLAN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
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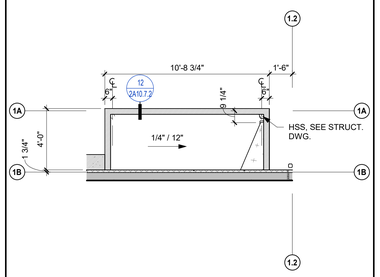
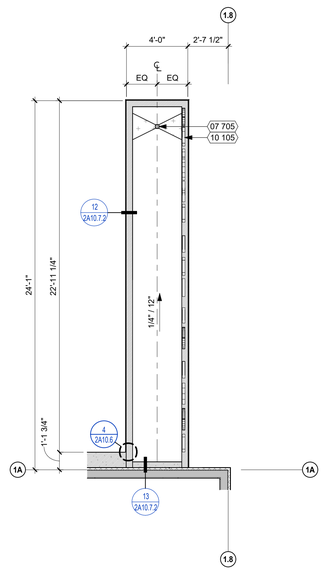


REF: 10/2AA4.1

ENLARGED CANOPY 1/4" = 1'-0" 21



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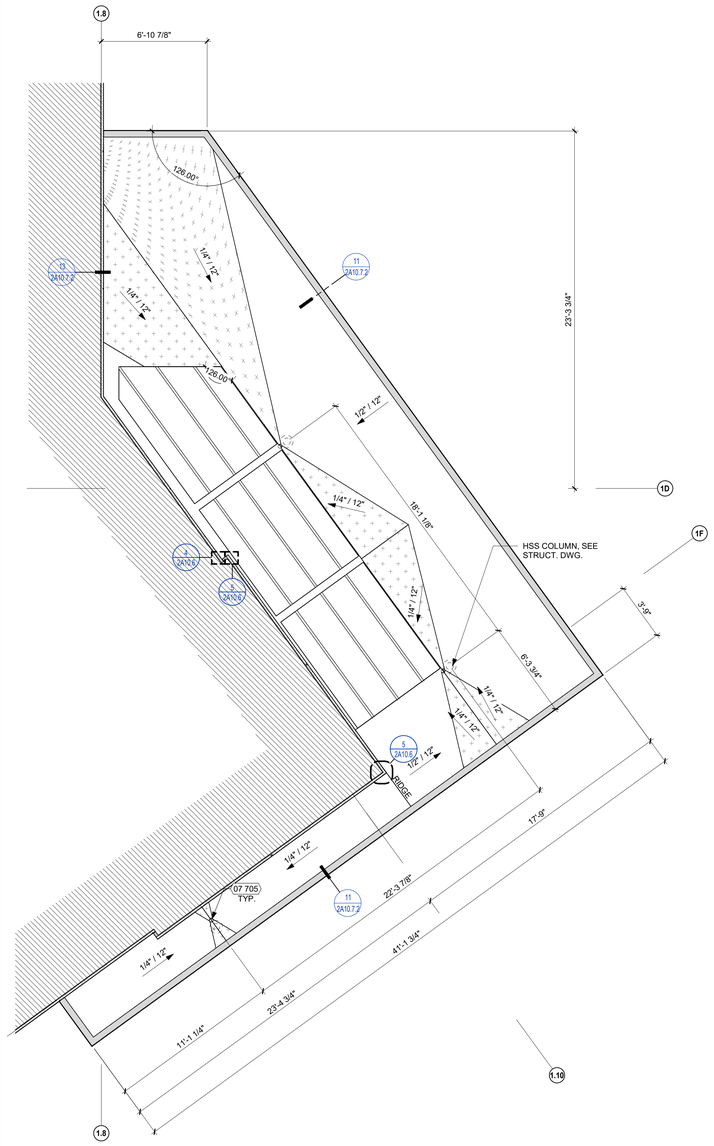
ENLARGED SIGNAGE CANOPY 1/4" = 1'-0" 17



REF: 10/2AA4.1

ENLARGED ENTRY CANOPY PLAN 1/4" = 1'-0" 9

KEYNOTES

NUMBER	NOTE
07 705	DOWNSPOUT, PAINT TO MATCH COLOR(S) OF WALL BEHIND (SEE DETAIL 9/2A10.7.1)
10 105	EXTERIOR ALUMINUM LETTERS (SEE DETAIL 30/2A10.10.3)

LEGEND

- SINGLE PLY ROOFING, SEE DETAIL 1/2A10.7.2
- ROOF ACCESS HATCH, SEE DETAIL 3/2A10.7.1
- ROOF WALKWAY PADS 9/2A10.7.2
- ROOF CRICKET, TAPERED RIGID INSULATION, SLOPED TO DRAIN PER DETAIL 3/2A10.7.2
- SOLAR READY ZONE, SEE PHOTOVOLTAIC PV SYSTEM DWGS.

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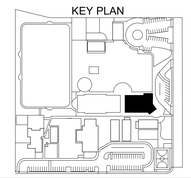

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ADMIN BLDG - ENLARGED CANOPY PLANS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AA4.2
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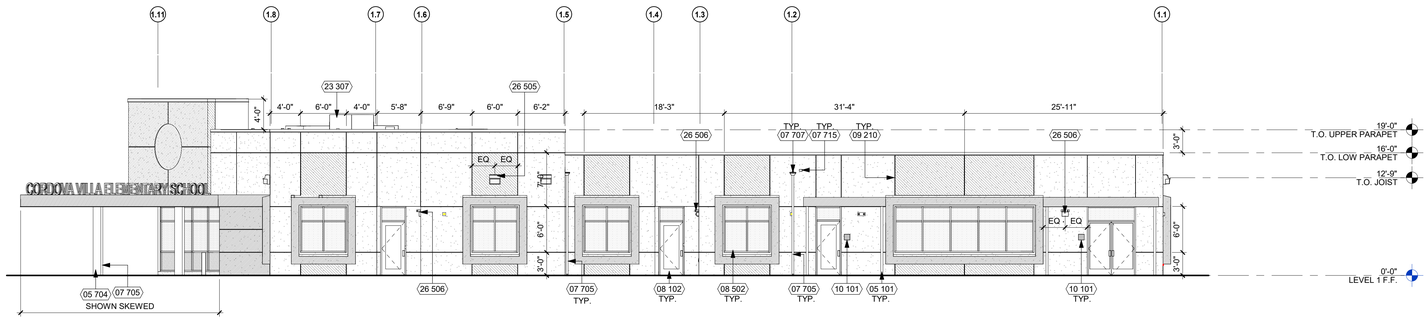
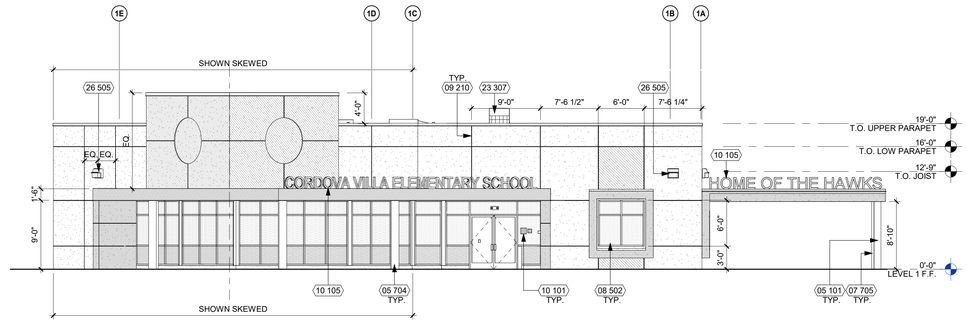
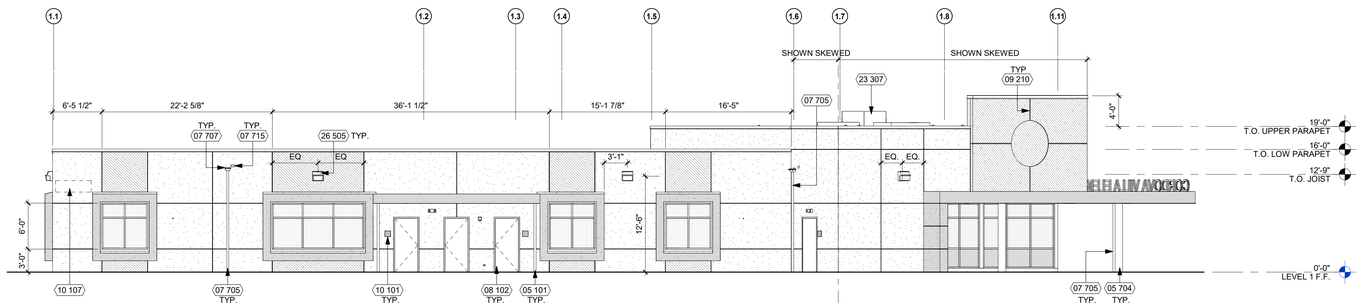


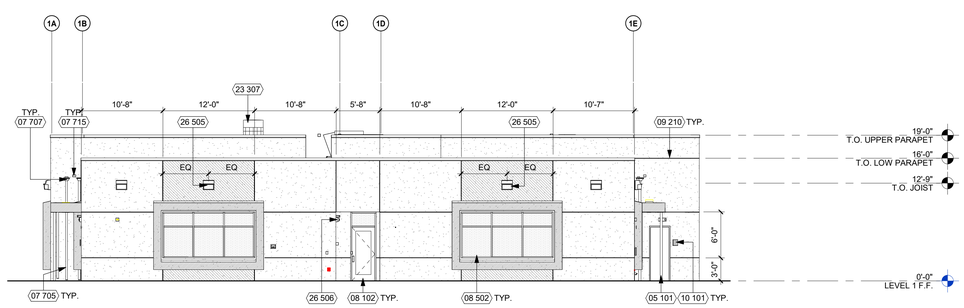
NORTH ELEVATION 1/8" = 1'-0" 7



EAST ELEVATION 1/8" = 1'-0" 8



SOUTH ELEVATION 1/8" = 1'-0" 9



WEST ELEVATION 1/8" = 1'-0" 10

KEYNOTES

NUMBER	NOTE
05 101	STEEL COLUMN (SEE STRUCTURAL DWGS.)
05 704	METAL COLUMN WRAP AROUND STRUCTURAL COLUMN, SEE STRUCTURAL DWGS
07 705	DOWNSPOUT, PAINT TO MATCH COLOR(S) OF WALL BEHIND (SEE DETAIL 9/2A10.7.1)
07 707	DOWNSPOUT CONDUCTOR HEAD (SEE DETAIL 14/2A10.7.1)
07 715	OVERFLOW SCUPPER, SEE DETAILS 19/A10.7.1)
08 102	EXTERIOR DOOR (SEE DOOR SCHEDULE)
08 502	HOLLOW METAL FRAMED WINDOW (SEE WINDOW SCHEDULE)
09 210	EIFS CONTROL JOINT, SEE DETAIL 2/A10.6
10 101	SIGNAGE (SEE CODE ANALYSIS PLAN)
10 105	EXTERIOR ALUMINUM LETTERS (SEE DETAIL 30/2A10.10.3)
10 107	BUILDING SIGN NUMBER (SEE DETAIL 25/2A10.10.3)
23 307	MECHANICAL EQUIPMENT, TYP. (SEE MECHANICAL DWGS.)
26 505	EXTERIOR LIGHT FIXTURE, 12'-0" A.F.F. U.N.O. (SEE ELECTRICAL DWGS.)
26 506	EMERGENCY LIGHT FIXTURE, 8'-0" A.F.F. U.N.O. (SEE ELECTRICAL DWGS.)

LEGEND

- TINTED INSULATING VISION GLAZING, PER WINDOW SCHEDULE
- SPANDREL GLAZING PER WINDOW SCHEDULE
- EIFS, PAINTED P1
- EIFS, PAINTED P2
- EIFS, PAINTED P3

FOR TYPICAL DETAILS SEE:
CONTROL JOINT DETAIL: 2 / 2A10.6
INSIDE CORNER: 4 / 2A10.6
OUTSIDE CORNER: 5 / 2A10.6

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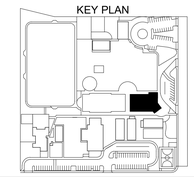

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RANCHO CORDOVA, CA 95742

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ADMIN BLDG - EXTERIOR ELEVATIONS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AA5.1
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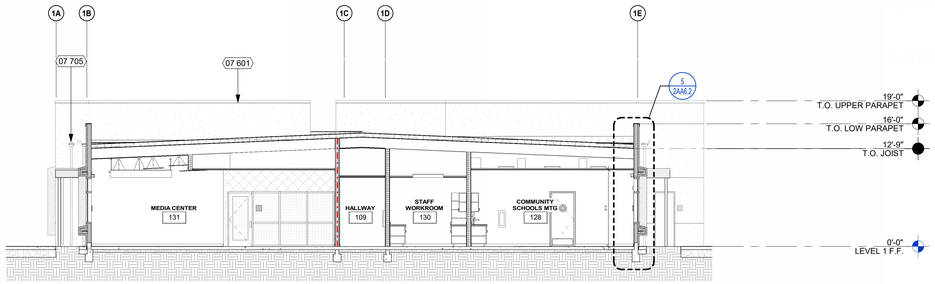
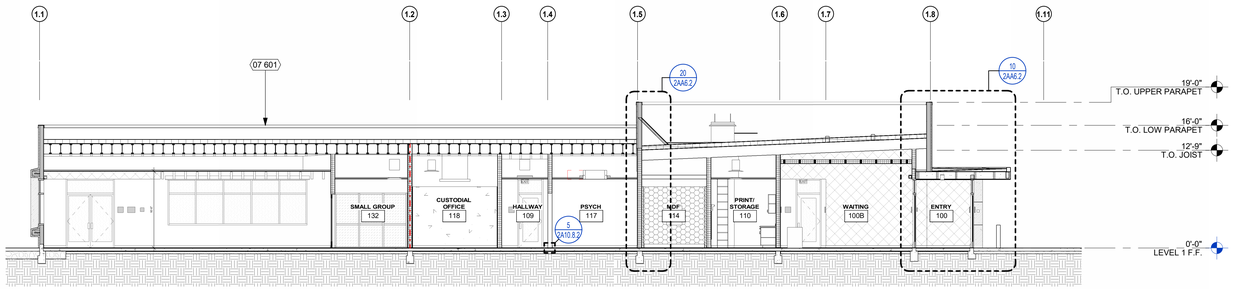


ADMINISTRATION BLDG - SECTION 1 1/8" = 1'-0" 7



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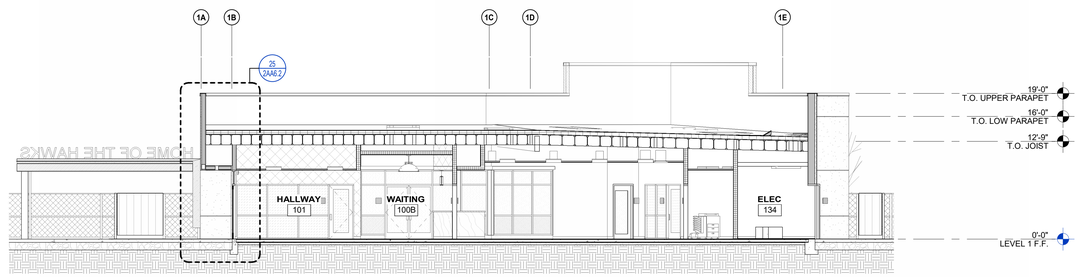
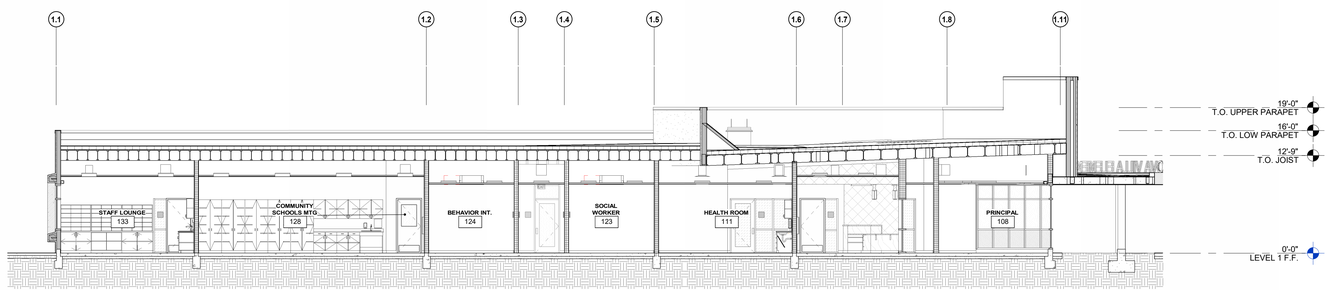


ADMINISTRATION BLDG - SECTION 3 1/8" = 1'-0" 9



ADMINISTRATION BLDG - SECTION 4 1/8" = 1'-0" 10

KEYNOTES

NUMBER	NOTE
07 601	GSM FLASHING AT PARAPET, PAINTED (SEE DETAIL 1/2A10.6)
07 705	DOWNSPOUT, PAINT TO MATCH COLOR(S) OF WALL BEHIND (SEE DETAIL 9/2A10.7.1)

GENERAL NOTES

1. FOR FINISH INFORMATION, REFER TO INTERIOR ELEVATIONS AND FINISH SCHEDULE.
2. SEE REFLECTED CEILING PLANS FOR CEILING INFORMATION.
3. SEE FLOOR PLAN FOR WALL TYPES.

LEGEND

- TINTED INSULATING VISION GLAZING, PER WINDOW SCHEDULE
- SPANDREL GLAZING PER WINDOW SCHEDULE
- EIFS, PAINTED P1
- EIFS, PAINTED P2
- EIFS, PAINTED P3

FOR TYPICAL DETAILS SEE:
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INSIDE CORNER: 4 / 2A10.6
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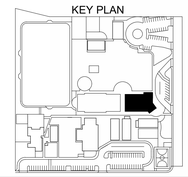

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10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

ADMIN BLDG - BUILDING SECTIONS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AA6.1
Drawn / Checked	
RR / CG	

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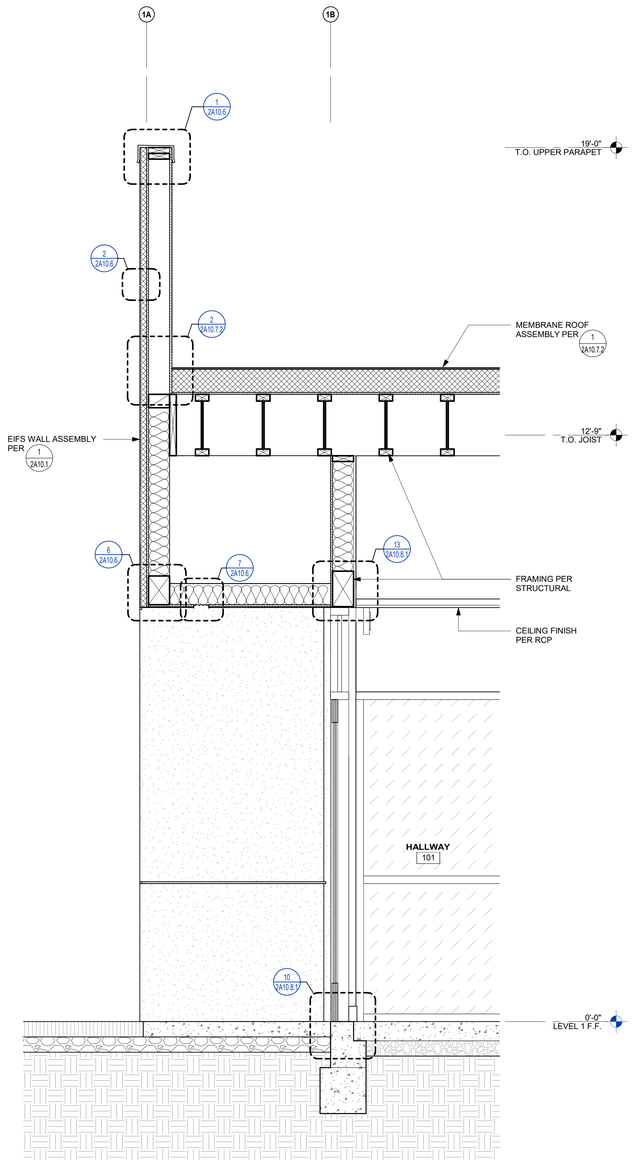
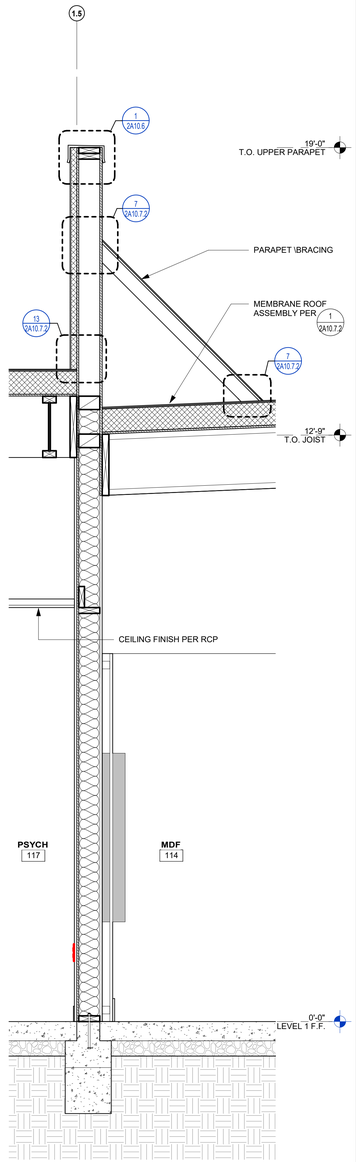


WALL SECTION 3/4" = 1'-0" 25



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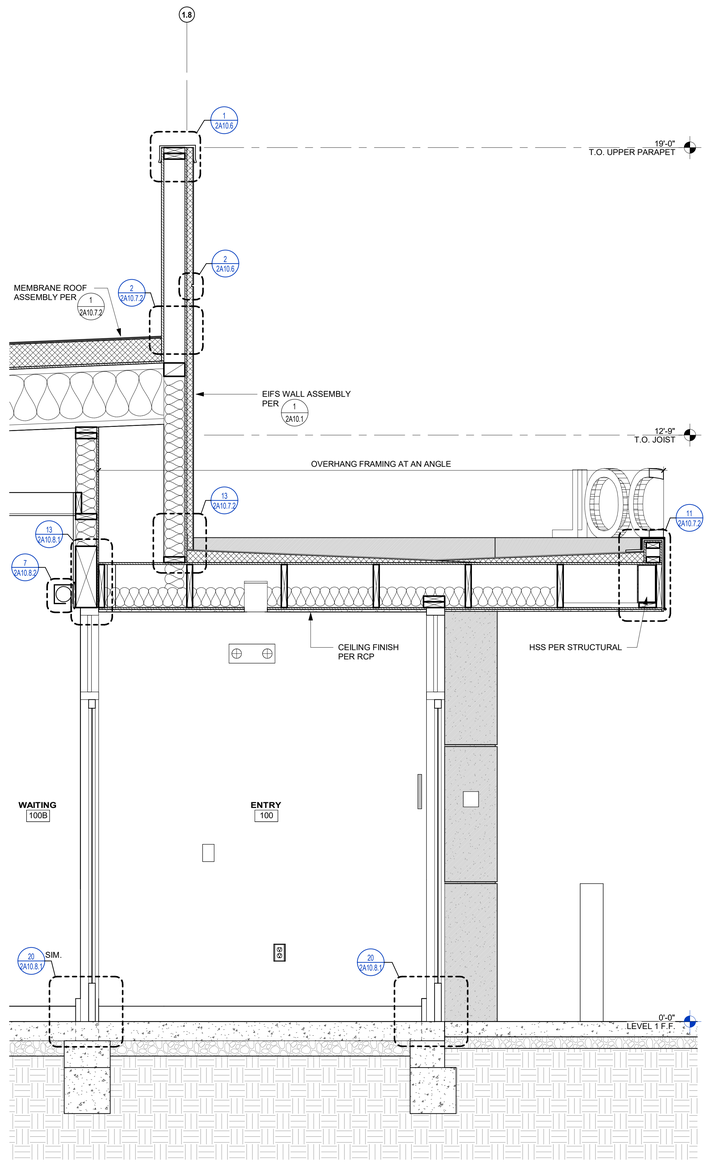
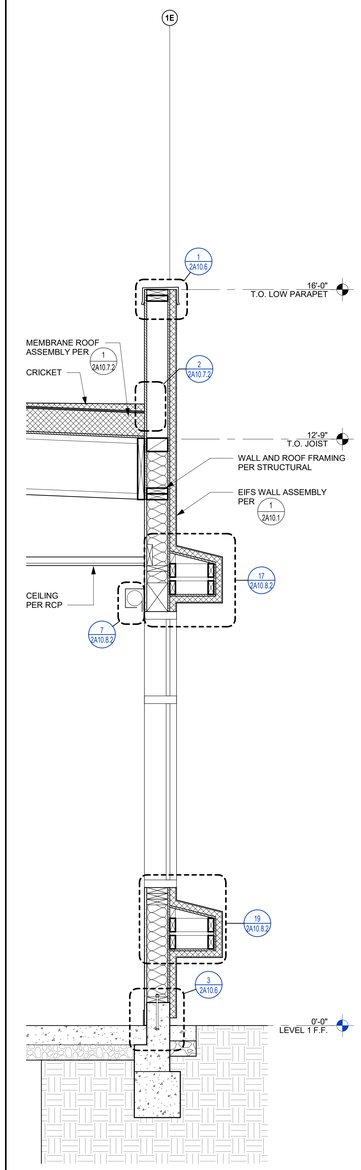


WALL SECTION 3/4" = 1'-0" 10



WALL SECTION 3/4" = 1'-0" 5

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DATE: 07/31/2026

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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Rec. 12/31/27 STATE OF CALIFORNIA DATE SIGNED: 07/13/2026	

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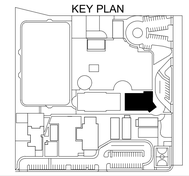
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
○ DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

ADMIN BLDG - WALL SECTIONS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AA6.2
Drawn RR / Checked CG	

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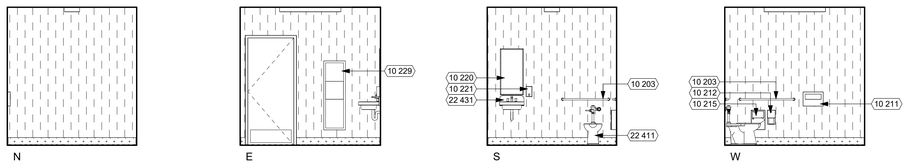
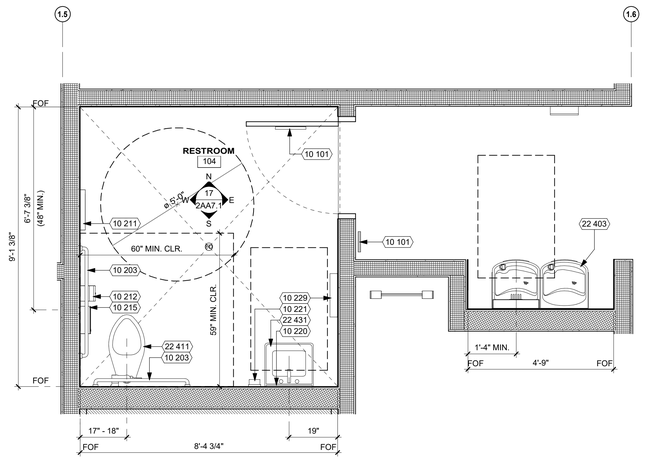


NOTE: PER CBC TABLE 11B-609.4, USE SUGGESTED DIMENSIONS FOR ADULTS.

104 - RESTROOM - INTERIOR ELEVATIONS 1/4" = 1'-0" 17



NOTE: PER CBC TABLE 11B-609.4, USE SUGGESTED DIMENSIONS FOR ADULTS.

104 - RESTROOM - ENLARGED PLAN 1/2" = 1'-0" 7

NOTE: PER CBC TABLE 11B-609.4, USE SUGGESTED DIMENSIONS FOR CHILDREN AGES 9-12.

113 - HEALTH RESTROOM - INTERIOR ELEVATIONS 1/4" = 1'-0" 19

NOTE: PER CBC TABLE 11B-609.4, USE SUGGESTED DIMENSIONS FOR CHILDREN AGES 9-12.

113 - HEALTH RESTROOM - ENLARGED PLAN 1/2" = 1'-0" 9

KEYNOTES

NUMBER	NOTE
10 101	SIGNAGE (SEE CODE ANALYSIS PLAN)
10 203	GRAB BAR (SEE DETAIL 11A/A10.10.2)
10 211	TOILET SEAT COVER DISPENSER, SURFACE MOUNTED
10 212	TOILET PAPER DISPENSER, SURFACE MOUNTED
10 215	SANITARY NAPKIN DISPOSAL, SURFACE MOUNTED
10 220	MIRROR
10 221	SOAP DISPENSER, SURFACE MOUNTED
10 229	COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE, SEMI-RECESSED
22 403	HI-LO DRINKING FOUNTAIN (SEE DETAIL 23/A10.10.2)
22 411	FLOOR MOUNTED WATER CLOSET
22 431	LAVATORY

GENERAL NOTES

GENERAL
1. DIMENSIONS
   A. ALL MINIMUM CLEARANCE DIMENSIONS FOR PLUMBING FIXTURES ARE FROM FACE OF WALL FINISH TO CENTER OF FIXTURE, U.O.N.
   B. ALL DIMENSIONS MARKED "MIN. CLR" OR "CLR." ARE TO/ FROM FACE OF WALL FINISH (F.O.F.)
2. SEE FINISH PLAN FOR INTERIOR FINISHES.
3. PROVIDE GLASSMAT BACKER BOARD AT ALL TILED WALLS AND WALLS WITHIN 48" OF ANY PLUMBING FIXTURE
4. ALL DRINKING FOUNTAIN ALCOVES TO BE FINISHED WITH WATER RESISTANT WALL MATERIAL. SEE FINISH SCHEDULE AND INTERIOR ELEVATIONS.
5. ALL FLOOR SLOPES IN RESTROOMS ARE NOT TO EXCEED 1:48 IN ANY DIRECTION.
6. FOR FLOOR DRAIN, SEE DETAIL 4 / 2A10.10.3

ACCESSORIES
1. ALL RESTROOM FIXTURES AND ACCESSORIES MOUNTING HEIGHTS AND LOCATIONS TO USE DIMENSIONS BASED ON AGE GROUP NOTED ON ENLARGED RESTROOM PLANS.
2. FOR TYPICAL RESTROOM ACCESSORY MOUNTING HEIGHTS, ACCESSIBLE DIMENSIONS, SEE SHEET A10.10.2
3. TOILET ACCESSORIES LOCATED ON OR WITHIN WALLS SHALL BE INSTALLED AND SEALED TO PROTECT STRUCTURAL ELEMENTS FROM MOISTURE (CBC SECTION 1210.2.2)
4. PLUMBING FIXTURES TO HAVE SOLID BLOCKING AS REQUIRED BY CODE, SEE DETAIL 21 / 2A10.10.2
5. FOR MOP SINK WITH BROOM RACK, SEE DETAIL 3 / 2A10.10.3

STALLS AND PARTITIONS
1. ALL ACCESSIBLE TOILET PARTITION DOORS TO BE 36" WIDE MINIMUM AND ALL NON-ACCESSIBLE TOILET PARTITION DOORS SHALL NOT BE LESS THAN 2'-2".
2. PARTITION STILE WIDTHS SHALL NOT EXCEED 4".
3. FOR PARTITION DETAILS, SEE DETAIL 16 / 2A10.10.2
4. INSTALL (1) COAT HOOK CENTERED ON THE BACK OF EVERY STALL DOOR, 40" A.F.F. AT ACCESSIBLE STALLS AND 72" A.F.F. AT NON-ACCESSIBLE STALLS.
5. FLUSH VALVE TO BE LOCATED AT WIDE SIDE OF STALL/ SPACE.

LEGEND

- 60" DIAMETER ACCESSIBLE CLEAR SPACE
- 30" x 48" ACCESSIBLE CLEAR SPACE
- FLOOR DRAIN WITH SLOPED FLOOR, SEE DETAIL 4 / 2A10.10.2
- FRP1 PER FINISH SCHEDULE
- EPOXY WALL BASE SEE 14 / 2A10.10.2

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NO.	REMARKS	DATE

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	DATE
○ DSA PLAN CHECK	03/16/2026
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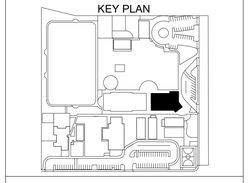
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

ADMIN BLDG - TOILET ROOM PLANS AND ELEVATIONS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AA7.1
Drawn RR	Checked CG

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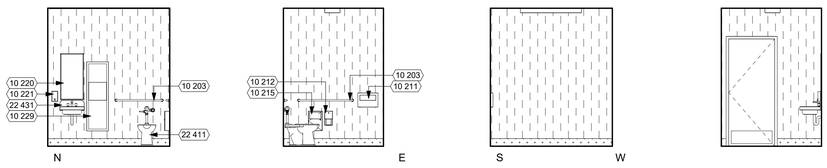
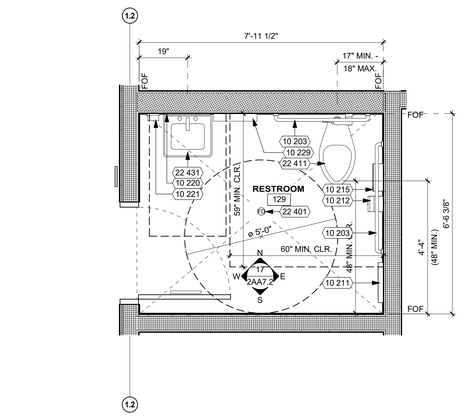


NOTE: PER CBC TABLE 11B-609.4, USE SUGGESTED DIMENSIONS FOR ADULTS.

129 - RESTROOM - INTERIOR ELEVATIONS 1/4" = 1'-0" 17



NOTE: PER CBC TABLE 11B-609.4, USE SUGGESTED DIMENSIONS FOR ADULTS.

129 - RESTROOM - ENLARGED PLAN 1/2" = 1'-0" 7

KEYNOTES

NUMBER	NOTE
10 101	SIGNAGE (SEE CODE ANALYSIS PLAN)
10 203	GRAB BAR (SEE DETAIL 11A/A10.10.2)
10 211	TOILET SEAT COVER DISPENSER, SURFACE MOUNTED
10 212	TOILET PAPER DISPENSER, SURFACE MOUNTED
10 215	SANITARY NAPKIN DISPOSAL, SURFACE MOUNTED
10 220	MIRROR
10 221	SOAP DISPENSER, SURFACE MOUNTED
10 229	COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE, SEMI-RECESSED
22 401	FLOOR DRAIN (SEE DETAIL 4/A10.10.3)
22 411	FLOOR MOUNTED WATER CLOSET
22 431	LAVATORY

GENERAL NOTES

GENERAL
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3. PROVIDE GLASSMAT BACKER BOARD AT ALL TILED WALLS AND WALLS WITHIN 48" OF ANY PLUMBING FIXTURE
4. ALL DRINKING FOUNTAIN ALCOVES TO BE FINISHED WITH WATER RESISTANT WALL MATERIAL. SEE FINISH SCHEDULE AND INTERIOR ELEVATIONS.
5. ALL FLOOR SLOPES IN RESTROOMS ARE NOT TO EXCEED 1:48 IN ANY DIRECTION.
6. FOR FLOOR DRAIN, SEE DETAIL 4 / 2A10.10.3

ACCESSORIES
1. ALL RESTROOM FIXTURES AND ACCESSORIES MOUNTING HEIGHTS AND LOCATIONS TO USE DIMENSIONS BASED ON AGE GROUP NOTED ON ENLARGED RESTROOM PLANS.
2. FOR TYPICAL RESTROOM ACCESSORY MOUNTING HEIGHTS, ACCESSIBLE DIMENSIONS, SEE SHEET A10.10.2
3. TOILET ACCESSORIES LOCATED ON OR WITHIN WALLS SHALL BE INSTALLED AND SEALED TO PROTECT STRUCTURAL ELEMENTS FROM MOISTURE (CBC SECTION 1210.2.2)
4. PLUMBING FIXTURES TO HAVE SOLID BLOCKING AS REQUIRED BY CODE, SEE DETAIL 21 / 2A10.10.2
5. FOR MOP SINK WITH BROOM RACK, SEE DETAIL 3 / 2A10.10.3

STALLS AND PARTITIONS
1. ALL ACCESSIBLE TOILET PARTITION DOORS TO BE 36" WIDE MINIMUM AND ALL NON-ACCESSIBLE TOILET PARTITION DOORS SHALL NOT BE LESS THAN 2'-2".
2. PARTITION STILE WIDTHS SHALL NOT EXCEED 4".
3. FOR PARTITION DETAILS, SEE DETAIL 16 / 2A10.10.2
4. INSTALL (1) COAT HOOK CENTERED ON THE BACK OF EVERY STALL DOOR, 40" A.F.F. AT ACCESSIBLE STALLS AND 72" A.F.F. AT NON-ACCESSIBLE STALLS.
5. FLUSH VALVE TO BE LOCATED AT WIDE SIDE OF STALL/ SPACE.

NOTE: PER CBC TABLE 11B-609.4, USE SUGGESTED DIMENSIONS FOR ADULTS.

127 - STAFF RESTROOM - INTERIOR ELEVATIONS 1/4" = 1'-0" 19

NOTE: PER CBC TABLE 11B-609.4, USE SUGGESTED DIMENSIONS FOR ADULTS.

127 - STAFF RESTROOM - ENLARGED PLAN 1/2" = 1'-0" 9

LEGEND

- 60" DIAMETER ACCESSIBLE CLEAR SPACE
- 30" x 48" ACCESSIBLE CLEAR SPACE
- FLOOR DRAIN WITH SLOPED FLOOR, SEE DETAIL 4 / 2A10.10.2
- FRP1 PER FINISH SCHEDULE
- EPOXY WALL BASE SEE 14 / 2A10.10.2

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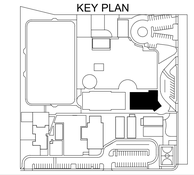
KEY PLAN



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RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

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MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

ADMIN BLDG - TOILET ROOM PLANS AND ELEVATIONS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AA7.2
Drawn / Author	Checked / Checker

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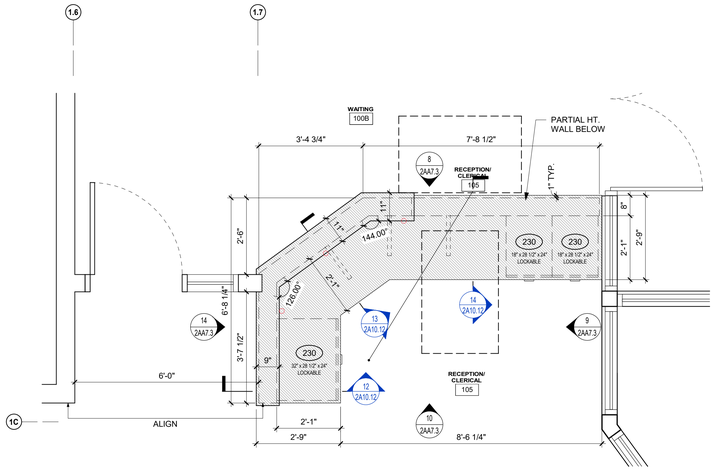
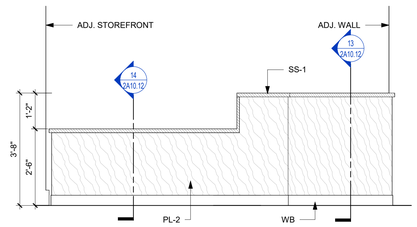


RECEPTION DESK - ENLARGED PLAN 1/2" = 1'-0" 7



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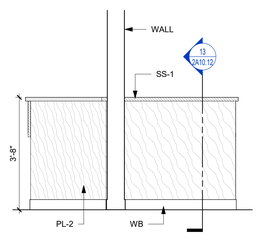

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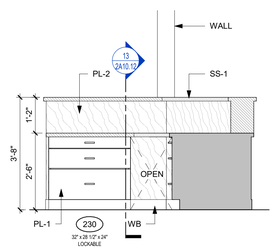
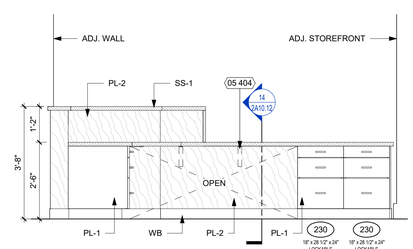


RECEPTION DESK - ELEV B 1/2" = 1'-0" 9



RECEPTION DESK - ELEV C 1/2" = 1'-0" 10

KEYNOTES

NUMBER	NOTE
05 404	COUNTERTOP SUPPORT BRACKET

LEGEND

102
36" x 24" x 24"
LOCKABLE

CASEWORK TAG
102 = ARCHITECTURAL WOODWORK STANDARD (AWS) NUMBER
36" x 24" = WIDTH x HEIGHT x DEPTH
LOCKABLE = MODIFYING NOTE

NOTE: FOR BASE CABINETS, HEIGHT DOES NOT INCLUDE COUNTERTOP THICKNESS - REFER TO FINISH SCHEDULE FOR COUNTERTOP TYPE

ALL COUNTERTOP BACKSPLASH TO BE 4" HIGH, U.N.O.

FOR TYPICAL CASEWORK ANCHORAGE, SEE DETAIL 2 / 2A10.12

SS-1 SOLID SURFACE COUNTERTOP, PER FINISH SCHEDULE

PL-2 HIGH PRESSURE LAMINATE, PER FINISH SCHEDULE

30" x 48" ACCESSIBLE CLEAR SPACE

60" DIAMETER ACCESSIBLE CLEAR SPACE

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ARCHITECT	ENGINEER

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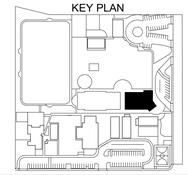
KEY PLAN



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RANCHO CORDOVA, CA 95742

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ADMIN BLDG - ENLARGED CASEWORK PLANS AND ELEVATIONS

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07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AA7.3
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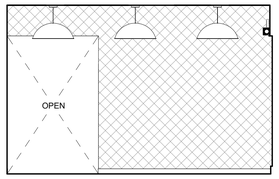

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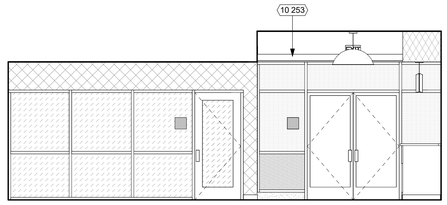

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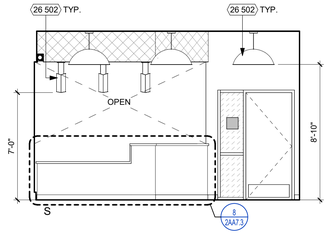

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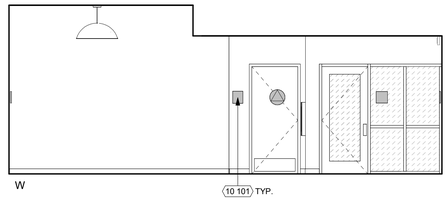

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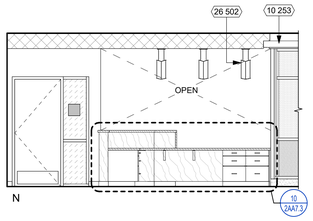
100B - WAITING 1/4" = 1'-0" 6



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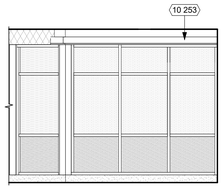

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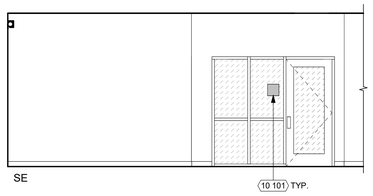

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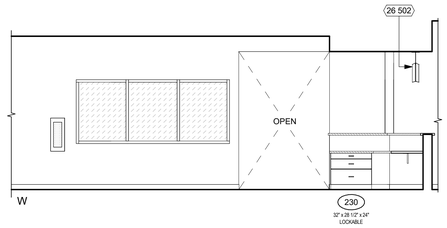
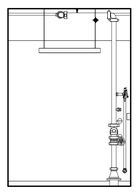


W

105 - RECEPTION/CLERICAL 1/4" = 1'-0" 7



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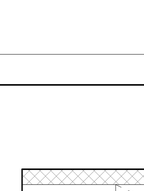

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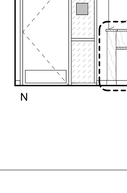

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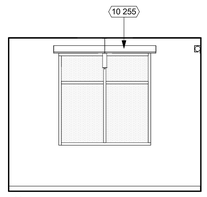
126 - FIRE RISER 1/4" = 1'-0" 30



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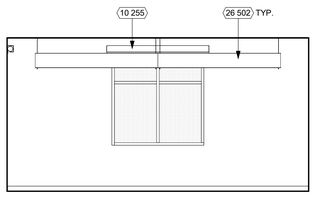

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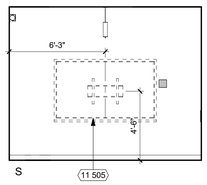

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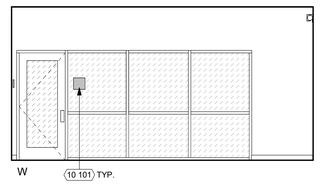

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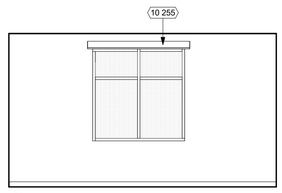
102 - SMALL CONFERENCE ROOM 1/4" = 1'-0" 8



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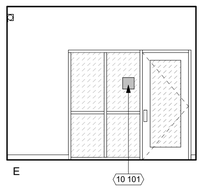
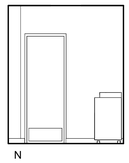


E

S

W

103 - INSTRUCTIONAL COACH 1/4" = 1'-0" 9



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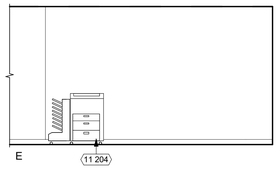

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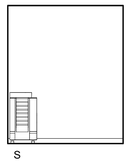

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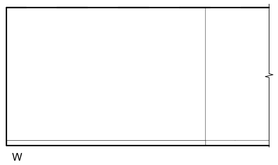

W

106 - CUMM FILE STORAGE 1/4" = 1'-0" 10

KEYNOTES

NUMBER	NOTE
10 101	SIGNAGE (SEE CODE ANALYSIS PLAN)
10 253	MOTOR-OPERATED WINDOW ROLLER SHADES AT STOREFRONT (SEE DETAIL 7/2A10.8.2)
10 255	MANUAL-OPERATED WINDOW ROLLER SHADES AT HM FRAME WINDOW (SEE DETAIL 8/2A10.8.2)
11 204	COPY MACHINE (N.I.C.)
11 505	TELEVISION, O.F.O.I., 4" MAX DEPTH. CENTERED WITHIN WALL SPACE. PROVIDE BLOCKING (SEE DETAIL 16/2A10.12)
26 502	INTERIOR LIGHT FIXTURE (SEE ELECTRICAL DWGS.)

GENERAL NOTES

GENERAL
1. SEE ROOM FINISH SCHEDULE FOR FINISH INFORMATION AND LEGEND.
2. SEE REFLECTED CEILING PLANS FOR CEILING HEIGHTS AND FINISHES.
3. SEE FLOOR PLAN FOR WALL TYPES AND DOOR NUMBERS
4. FOR SIGNAGE TYPES, SEE CODE ANALYSIS FLOOR PLAN.

FINISHES
1. ALL GYPSUM BOARD CEILINGS AND SOFFITS TO BE P-1, UNLESS NOTED OTHERWISE.
2. ALL EXPOSED STRUCTURAL ROOF FRAMING TO BE PAINTED.
3. ALL ACCENT WALL PAINT TO BE TERMINATED AT EITHER INSIDE CORNER AND/ OR REVEALS.

EQUIPMENT
1. PROVIDE BACKING PLATES OR BLOCKING IN WALLS FOR ALL WALL MOUNTED EQUIPMENT SUCH AS SHELVING, MARKER BOARDS, AND DOOR STOPS. SEE DETAIL 21 / 2A10.10.2
2. ALL MILLWORK TO BE INSTALLED PRIOR TO FLOORING AND AFTER PAINT WORK. MILLWORK SHALL BE MOUNTED TO SUB-FLOOR. FOR TYPICAL CASEWORK ANCHORAGE, SEE DETAIL 2 / 2A10.12
3. PROVIDE FILLER PANEL BETWEEN WALL AND CABINETS, TYP. FILLER PANELS TO BE MINIMAL.
4. ALIGN ALL CASEWORK, MARKER BOARDS AND TACKABLE SURFACE WITH TOP OF DOORS, U.O.N.
5. FOR TYPICAL RESTROOM ACCESSORY MOUNTING HEIGHTS, ACCESSIBLE DIMENSIONS, SEE DETAIL 3 / 2A10.10.2

LEGEND

102 (36" x 24" x 24" LOCKABLE)

CASEWORK TAG
102 = ARCHITECTURAL WOODWORK STANDARD (AWS) NUMBER
36" x 24" x 24" = WIDTH x HEIGHT x DEPTH
LOCKABLE = MODIFYING NOTE

NOTE: FOR BASE CABINETS, HEIGHT DOES NOT INCLUDE COUNTERTOP THICKNESS - REFER TO FINISH SCHEDULE FOR COUNTERTOP TYPE

ALL COUNTERTOP BACKSPLASH TO BE 4" HIGH, U.N.O.

FOR TYPICAL CASEWORK ANCHORAGE, SEE DETAIL 2 / 2A10.12

P-1 - GYPSUM WALLBOARD PAINTED PER FINISH SCHEDULE

P-2 - GYPSUM WALLBOARD PAINTED PER FINISH SCHEDULE

PLY - PLYWOOD, PAINTED P1 PER FINISH SCHEDULE o/ GYPSUM WALLBOARD

FRP - FIBERGLASS REINFORCED PANELS o/ GYPSUM WALLBOARD, PER FINISH SCHEDULE

GLAZING PER WINDOW SCHEDULE

OPAQUE GLAZING PER WINDOW SCHEDULE

ACOUSTIC GLAZING PER WINDOW SCHEDULE

ELECTRICAL TERMINAL BOARD o/ GYPSUM WALLBOARD, SEE SPECIFICATIONS

EPOXY WALL BASE, SEE DETAIL 14 / 2A10.10.3

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

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Sacramento, California 95811
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ARCHITECT | ENGINEER

LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Ren. 12/31/27 STATE OF CALIFORNIA

DATE SIGNED: 07/13/2026

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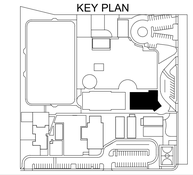
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
DSA PLAN CHECK	03/16/2026
DSA BACK CHECK	07/13/2026
BIDDING	
CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

ADMIN BLDG - INTERIOR ELEVATIONS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AA8.1
Drawn / Checked	
RR / CG	

PRINT DATE: 7/13/2026 4:24:47 PM
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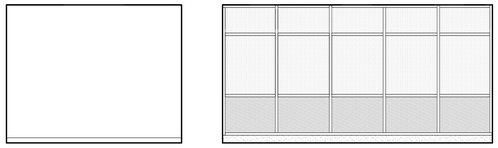
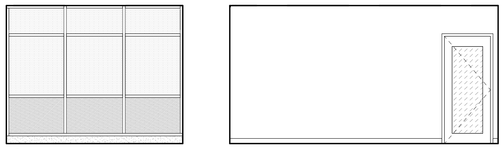
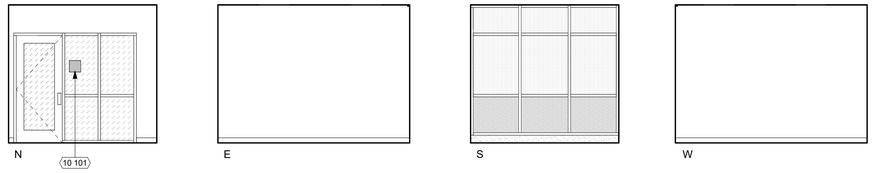


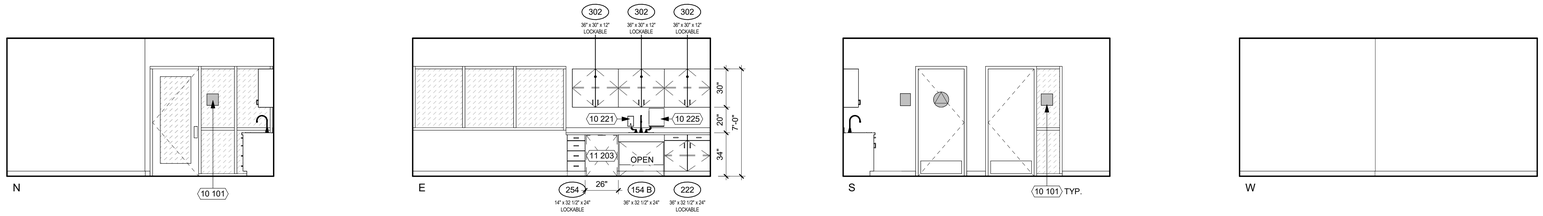


108 - PRINCIPAL 1/4" = 1'-0" 22

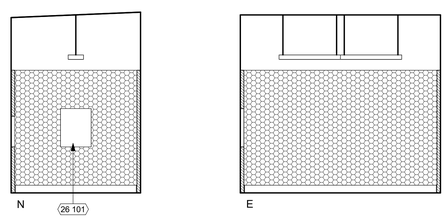


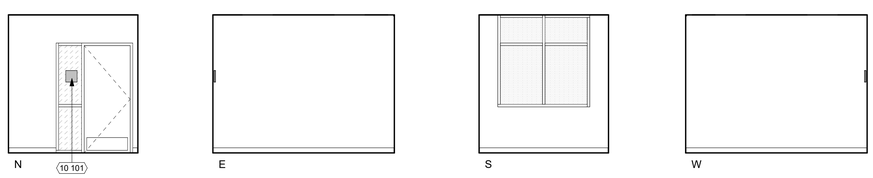
107 - AP OFFICE 1/4" = 1'-0" 6

110 - PRINT/STORAGE 1/4" = 1'-0" 7

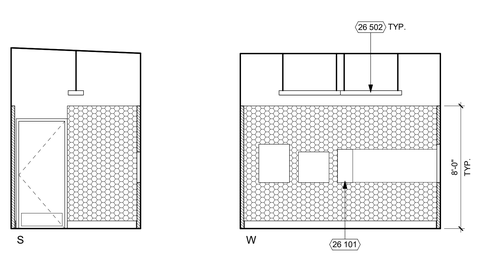


111 - HEALTH ROOM 1/4" = 1'-0" 8

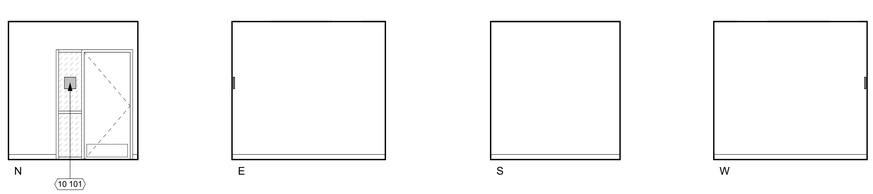




112 - NURSE OFFICE 1/4" = 1'-0" 9



114 - MDF 1/4" = 1'-0" 24



115 - OUTSIDE AGENCIES OFFICE 1/4" = 1'-0" 10

KEYNOTES

NUMBER	NOTE
10 101	SIGNAGE (SEE CODE ANALYSIS PLAN)
10 221	SOAP DISPENSER, SURFACE MOUNTED
10 225	PAPER TOWEL DISPENSER, SURFACE MOUNTED
11 203	REFRIGERATOR/FREEZER (N.I.C.)
11 204	COPY MACHINE (N.I.C.)
26 101	ELECTRICAL PANEL (SEE ELECTRICAL DWGS.)
26 502	INTERIOR LIGHT FIXTURE (SEE ELECTRICAL DWGS.)
32 243	(1) 1-BIKE CAPACITY BIKE RACK, SEE SPECS.

GENERAL NOTES

GENERAL
1. SEE ROOM FINISH SCHEDULE FOR FINISH INFORMATION AND LEGEND.
2. SEE REFLECTED CEILING PLANS FOR CEILING HEIGHTS AND FINISHES.
3. SEE FLOOR PLAN FOR WALL TYPES AND DOOR NUMBERS
4. FOR SIGNAGE TYPES, SEE CODE ANALYSIS FLOOR PLAN.

FINISHES
1. ALL GYPSUM BOARD CEILINGS AND SOFFITS TO BE P-1, UNLESS NOTED OTHERWISE.
2. ALL EXPOSED STRUCTURAL ROOF FRAMING TO BE PAINTED.
3. ALL ACCENT WALL PAINT TO BE TERMINATED AT EITHER INSIDE CORNER AND/ OR REVEALS.

EQUIPMENT
1. PROVIDE BACKING PLATES OR BLOCKING IN WALLS FOR ALL WALL MOUNTED EQUIPMENT SUCH AS SHELVING, MARKER BOARDS, AND DOOR STOPS. SEE DETAIL 21 / 2A10.10.2
2. ALL MILLWORK TO BE INSTALLED PRIOR TO FLOORING AND AFTER PAINT WORK. MILLWORK SHALL BE MOUNTED TO SUB-FLOOR. FOR TYPICAL CASEWORK ANCHORAGE, SEE DETAIL 2 / 2A10.12
3. PROVIDE FILLER PANEL BETWEEN WALL AND CABINETS, TYP. FILLER PANELS TO BE MINIMAL.
4. ALIGN ALL CASEWORK, MARKER BOARDS AND TACKABLE SURFACE WITH TOP OF DOORS, U.O.N.
5. FOR TYPICAL RESTROOM ACCESSORY MOUNTING HEIGHTS, ACCESSIBLE DIMENSIONS, SEE DETAIL 3 / 2A10.10.2

LEGEND

102
36" x 24" x 24"
LOCKABLE

CASEWORK TAG
102 = ARCHITECTURAL WOODWORK STANDARD (AWS) NUMBER
36" x 24" x 24" = WIDTH x HEIGHT x DEPTH
LOCKABLE = MODIFYING NOTE

NOTE: FOR BASE CABINETS, HEIGHT DOES NOT INCLUDE COUNTERTOP THICKNESS - REFER TO FINISH SCHEDULE FOR COUNTERTOP TYPE

ALL COUNTERTOP BACKSPLASH TO BE 4" HIGH, U.N.O.

FOR TYPICAL CASEWORK ANCHORAGE, SEE DETAIL 2 / 2A10.12

P-1 - GYPSUM WALLBOARD PAINTED PER FINISH SCHEDULE

P-2 - GYPSUM WALLBOARD PAINTED PER FINISH SCHEDULE

PLY - PLYWOOD, PAINTED P1 PER FINISH SCHEDULE o/ GYPSUM WALLBOARD

FRP - FIBERGLASS REINFORCED PANELS o/ GYPSUM WALLBOARD, PER FINISH SCHEDULE

GLAZING PER WINDOW SCHEDULE

OPAQUE GLAZING PER WINDOW SCHEDULE

ACOUSTIC GLAZING PER WINDOW SCHEDULE

ELECTRICAL TERMINAL BOARD o/ GYPSUM WALLBOARD, SEE SPECIFICATIONS

EPOXY WALL BASE, SEE DETAIL 14 / 2A10.10.3

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Rec. 12/31/27 STATE OF CALIFORNIA DATE SIGNED: 07/13/2026	

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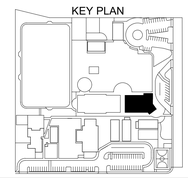
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
○ DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

ADMIN BLDG - INTERIOR ELEVATIONS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AA8.2
Drawn / Checked	
RR / CG	

PRINT DATE: 7/13/2026 4:24:52 PM
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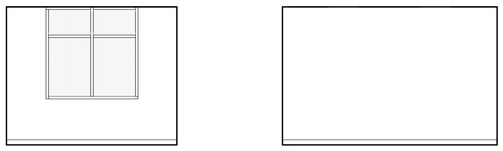
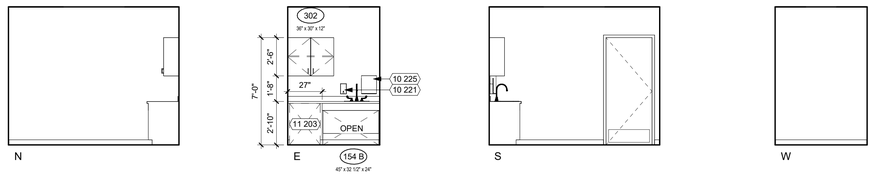
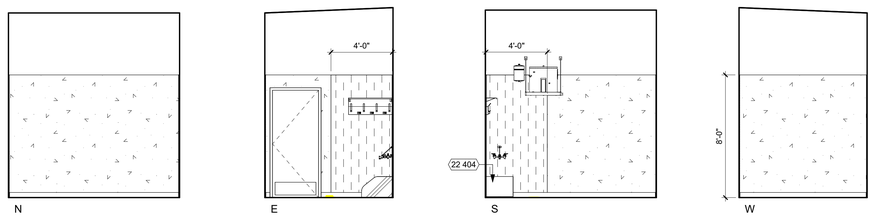


119 - SPEECH 1/4" = 1'-0" 22

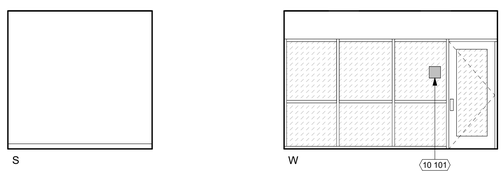


116 - LACTATION ROOM 1/4" = 1'-0" 6

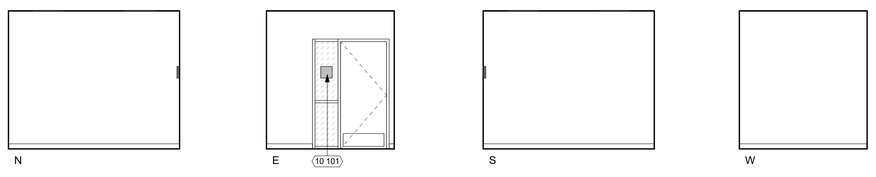


118 - CUSTODIAL OFFICE 1/4" = 1'-0" 7

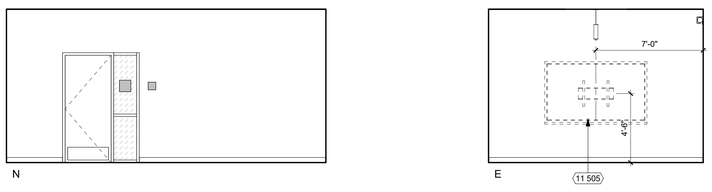
117 - PSYCH 1/4" = 1'-0" 8



132 - SMALL GROUP 1/4" = 1'-0" 24



122 - BEHAVIOR SPECIALIST 1/4" = 1'-0" 9



125 - IEP MEETING SPACE 1/4" = 1'-0" 10

KEYNOTES

NUMBER	NOTE
10 101	SIGNAGE (SEE CODE ANALYSIS PLAN)
10 221	SOAP DISPENSER, SURFACE MOUNTED
10 225	PAPER TOWEL DISPENSER, SURFACE MOUNTED
10 255	MANUAL-OPERATED WINDOW ROLLER SHADES AT HM FRAME WINDOW (SEE DETAIL 8/2A10.8.2)
11 203	REFRIGERATOR/FREEZER (N.I.C.)
11 505	TELEVISION, O.F.O.I., 4" MAX DEPTH. CENTERED WITHIN WALL SPACE. PROVIDE BLOCKING (SEE DETAIL 16/2A10.12)
22 404	MOP SINK (SEE DETAIL 3/A10.10.3)
26 502	INTERIOR LIGHT FIXTURE (SEE ELECTRICAL DWGS.)

GENERAL NOTES

GENERAL
1. SEE ROOM FINISH SCHEDULE FOR FINISH INFORMATION AND LEGEND.
2. SEE REFLECTED CEILING PLANS FOR CEILING HEIGHTS AND FINISHES.
3. SEE FLOOR PLAN FOR WALL TYPES AND DOOR NUMBERS
4. FOR SIGNAGE TYPES, SEE CODE ANALYSIS FLOOR PLAN.

FINISHES
1. ALL GYPSUM BOARD CEILINGS AND SOFFITS TO BE P-1, UNLESS NOTED OTHERWISE.
2. ALL EXPOSED STRUCTURAL ROOF FRAMING TO BE PAINTED.
3. ALL ACCENT WALL PAINT TO BE TERMINATED AT EITHER INSIDE CORNER AND/ OR REVEALS.

EQUIPMENT
1. PROVIDE BACKING PLATES OR BLOCKING IN WALLS FOR ALL WALL MOUNTED EQUIPMENT SUCH AS SHELVING, MARKER BOARDS, AND DOOR STOPS. SEE DETAIL 21 / 2A10.10.2
2. ALL MILLWORK TO BE INSTALLED PRIOR TO FLOORING AND AFTER PAINT WORK. MILLWORK SHALL BE MOUNTED TO SUB-FLOOR. FOR TYPICAL CASEWORK ANCHORAGE, SEE DETAIL 2 / 2A10.12
3. PROVIDE FILLER PANEL BETWEEN WALL AND CABINETS, TYP. FILLER PANELS TO BE MINIMAL.
4. ALIGN ALL CASEWORK, MARKER BOARDS AND TACKABLE SURFACE WITH TOP OF DOORS, U.O.N.
5. FOR TYPICAL RESTROOM ACCESSORY MOUNTING HEIGHTS, ACCESSIBLE DIMENSIONS, SEE DETAIL 3 / 2A10.10.2

LEGEND

102 — 36" x 24" x 24" LOCKABLE

CASEWORK TAG
102 = ARCHITECTURAL WOODWORK STANDARD (AWS) NUMBER
36" x 24" x 24" = WIDTH x HEIGHT x DEPTH
LOCKABLE = MODIFYING NOTE

NOTE: FOR BASE CABINETS, HEIGHT DOES NOT INCLUDE COUNTERTOP THICKNESS - REFER TO FINISH SCHEDULE FOR COUNTERTOP TYPE

ALL COUNTERTOP BACKSPLASH TO BE 4" HIGH, U.N.O.

FOR TYPICAL CASEWORK ANCHORAGE, SEE DETAIL 2 / 2A10.12

P-1 - GYPSUM WALLBOARD PAINTED PER FINISH SCHEDULE

P-2 - GYPSUM WALLBOARD PAINTED PER FINISH SCHEDULE

PLY - PLYWOOD, PAINTED P1 PER FINISH SCHEDULE o/ GYPSUM WALLBOARD

FRP - FIBERGLASS REINFORCED PANELS o/ GYPSUM WALLBOARD, PER FINISH SCHEDULE

GLAZING PER WINDOW SCHEDULE

OPAQUE GLAZING PER WINDOW SCHEDULE

ACOUSTIC GLAZING PER WINDOW SCHEDULE

ELECTRICAL TERMINAL BOARD o/ GYPSUM WALLBOARD, SEE SPECIFICATIONS

EPOXY WALL BASE, SEE DETAIL 14 / 2A10.10.3

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DATE: 07/31/2026

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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Ren. 12/31/27 STATE OF CALIFORNIA DATE SIGNED: 07/13/2026	

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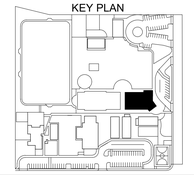
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
DSA PLAN CHECK	03/16/2026
DSA BACK CHECK	07/13/2026
BIDDING	
CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

ADMIN BLDG - INTERIOR ELEVATIONS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AA8.3
Drawn / Checked	
RR / CG	

PRINT DATE: 7/13/2026 4:24:57 PM
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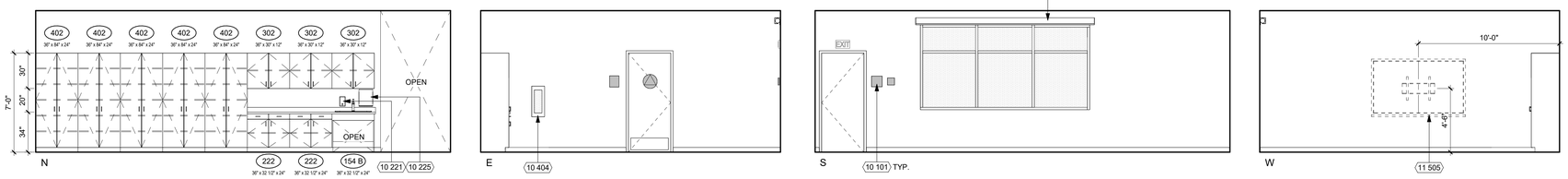
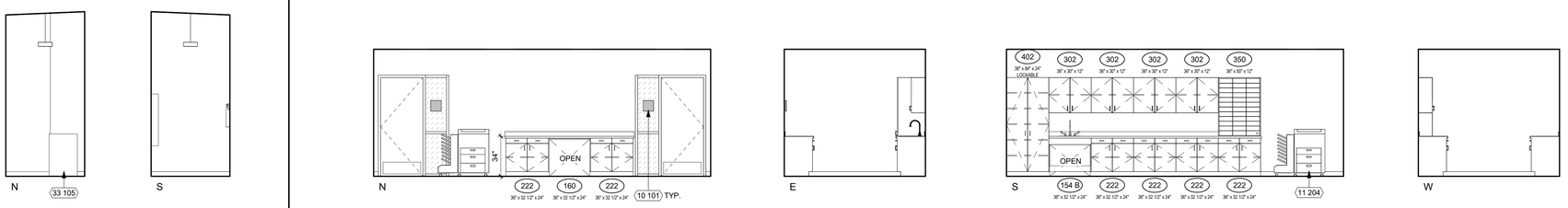
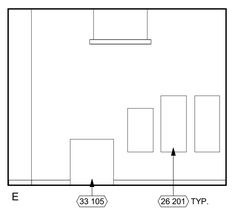
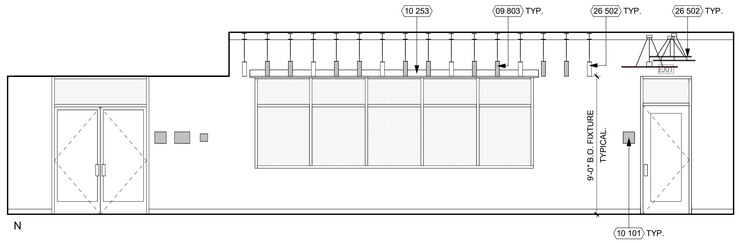


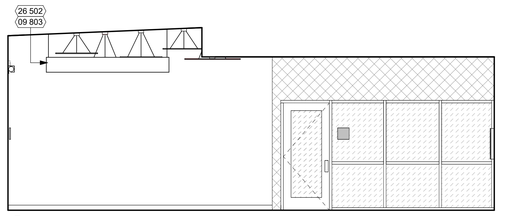
128 - COMMUNITY SCHOOLS 1/4" = 1'-0" 6

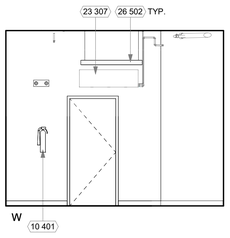


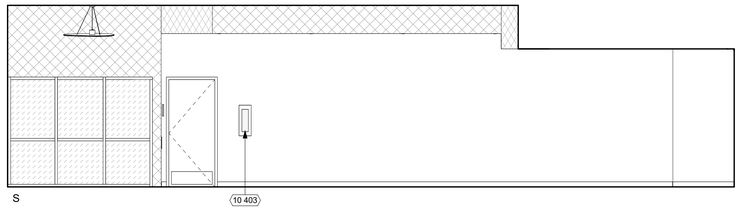
130 - STAFF WORKROOM 1/4" = 1'-0" 7

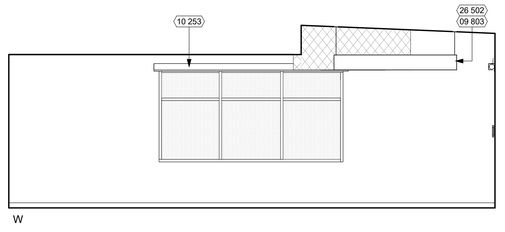






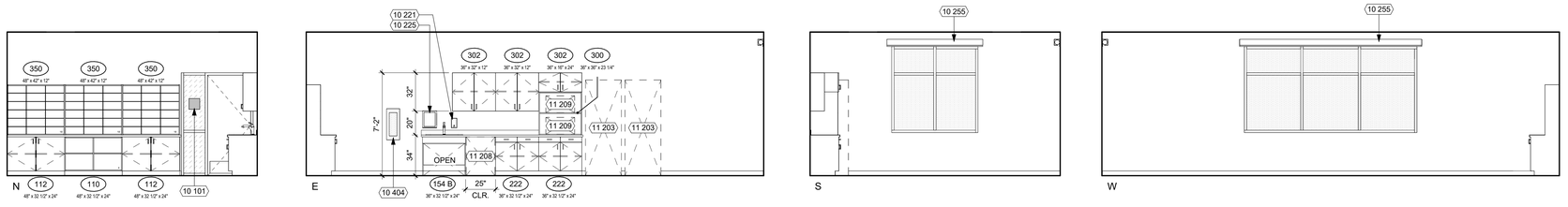






134 - ELEC - W 1/4" = 1'-0" 29

131 - MEDIA CENTER 1/4" = 1'-0" 9



133 - STAFF LOUNGE 1/4" = 1'-0" 10

KEYNOTES

NUMBER	NOTE
09 803	ACOUSTIC BAFFLES TO COORDINATE WITH LIGHT FIXTURES (SEE ELECTRICAL)
10 101	SIGNAGE (SEE CODE ANALYSIS PLAN)
10 221	SOAP DISPENSER, SURFACE MOUNTED
10 225	PAPER TOWEL DISPENSER, SURFACE MOUNTED
10 253	MOTOR-OPERATED WINDOW ROLLER SHADES AT STOREFRONT (SEE DETAIL 7/2A10.8.2)
10 255	MANUAL-OPERATED WINDOW ROLLER SHADES AT HM FRAME WINDOW (SEE DETAIL 8/2A10.8.2)
10 403	FIRE EXTINGUISHER (2A-10B:C) IN SURFACE-MOUNTED CABINET (SEE DETAIL 1/A10.10.3)
10 404	FIRE EXTINGUISHER WITH MIN. RATING OF 2A-10B:C & PER CFC 906. TYP. IN SEMI-RECESSED CABINET (SEE DETAIL 1/2A10.10.3)
11 203	REFRIGERATOR/FREEZER (N.I.C.)
11 204	COPY MACHINE (N.I.C.)
11 208	DISHWASHER (N.I.C.)
11 209	MICROWAVE (N.I.C.)
11 505	TELEVISION, O.F.O.I., 4" MAX DEPTH, CENTERED WITHIN WALL SPACE. PROVIDE BLOCKING (SEE DETAIL 16/2A10.12)
23 307	MECHANICAL EQUIPMENT, TYP. (SEE MECHANICAL DWGS.)
26 201	ELECTRICAL PANELBOARD
26 502	INTERIOR LIGHT FIXTURE (SEE ELECTRICAL DWGS.)
33 105	TRANSFORMER (SEE ELECTRICAL DWGS.)

GENERAL NOTES

GENERAL
1. SEE ROOM FINISH SCHEDULE FOR FINISH INFORMATION AND LEGEND.
2. SEE REFLECTED CEILING PLANS FOR CEILING HEIGHTS AND FINISHES.
3. SEE FLOOR PLAN FOR WALL TYPES AND DOOR NUMBERS
4. FOR SIGNAGE TYPES, SEE CODE ANALYSIS FLOOR PLAN.

FINISHES
1. ALL GYPSUM BOARD CEILINGS AND SOFFITS TO BE P-1, UNLESS NOTED OTHERWISE.
2. ALL EXPOSED STRUCTURAL ROOF FRAMING TO BE PAINTED.
3. ALL ACCENT WALL PAINT TO BE TERMINATED AT EITHER INSIDE CORNER AND/ OR REVEALS.

EQUIPMENT
1. PROVIDE BACKING PLATES OR BLOCKING IN WALLS FOR ALL WALL MOUNTED EQUIPMENT SUCH AS SHELVING, MARKER BOARDS, AND DOOR STOPS. SEE DETAIL 21 / 2A10.10.2
2. ALL MILLWORK TO BE INSTALLED PRIOR TO FLOORING AND AFTER PAINT WORK. MILLWORK SHALL BE MOUNTED TO SUB-FLOOR. FOR TYPICAL CASEWORK ANCHORAGE, SEE DETAIL 2 / 2A10.12
3. PROVIDE FILLER PANEL BETWEEN WALL AND CABINETS, TYP. FILLER PANELS TO BE MINIMAL.
4. ALIGN ALL CASEWORK, MARKER BOARDS AND TACKABLE SURFACE WITH TOP OF DOORS, U.O.N.
5. FOR TYPICAL RESTROOM ACCESSORY MOUNTING HEIGHTS, ACCESSIBLE DIMENSIONS, SEE DETAIL 3 / 2A10.10.2

LEGEND

102 (36" x 24" x 24" LOCKABLE) — CASEWORK TAG
102 = ARCHITECTURAL WOODWORK STANDARD (AWS) NUMBER
36" x 24" x 24" = WIDTH x HEIGHT x DEPTH
LOCKABLE = MODIFYING NOTE

NOTE: FOR BASE CABINETS, HEIGHT DOES NOT INCLUDE COUNTERTOP THICKNESS - REFER TO FINISH SCHEDULE FOR COUNTERTOP TYPE

ALL COUNTERTOP BACKSPLASH TO BE 4" HIGH, U.N.O.

FOR TYPICAL CASEWORK ANCHORAGE, SEE DETAIL 2 / 2A10.12

P-1 - GYPSUM WALLBOARD PAINTED PER FINISH SCHEDULE

P-2 - GYPSUM WALLBOARD PAINTED PER FINISH SCHEDULE

PLY - PLYWOOD, PAINTED P1 PER FINISH SCHEDULE o/ GYPSUM WALLBOARD

FRP - FIBERGLASS REINFORCED PANELS o/ GYPSUM WALLBOARD, PER FINISH SCHEDULE

GLAZING PER WINDOW SCHEDULE

OPAQUE GLAZING PER WINDOW SCHEDULE

ACOUSTIC GLAZING PER WINDOW SCHEDULE

ELECTRICAL TERMINAL BOARD o/ GYPSUM WALLBOARD, SEE SPECIFICATIONS

EPOXY WALL BASE, SEE DETAIL 14 / 2A10.10.3

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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Rene 12/31/27 STATE OF CALIFORNIA DATE SIGNED: 07/13/2026	

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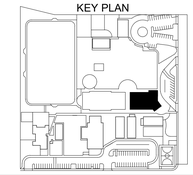
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
DSA PLAN CHECK	03/16/2026
DSA BACK CHECK	07/13/2026
BIDDING	
CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

ADMIN BLDG - INTERIOR ELEVATIONS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AA8.4
Drawn: RR	Checked: CG

PRINT DATE: 7/13/2026 4:25:02 PM
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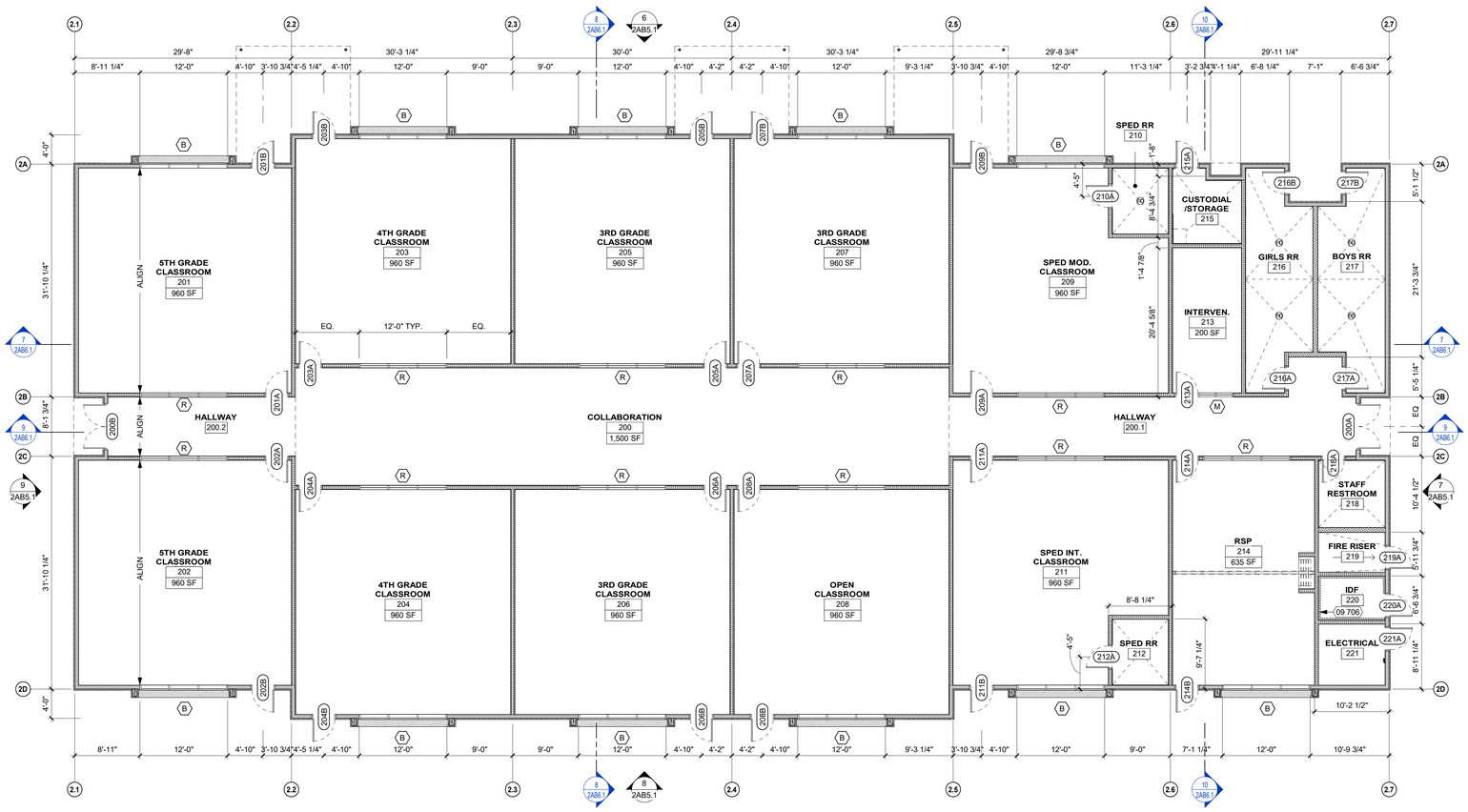

KEYNOTES

NUMBER	NOTE
09 706	ELECTRICAL TERMINAL BOARD O/ GYPSUM WALLBOARD

GENERAL NOTES

GENERAL
1. FOR PLUMBING FIXTURES, FLOOR DRAINS, CASEWORK, AND OTHER EQUIPMENT - REFER TO EQUIPMENT PLAN.
2. FOR ALL REQUIRED SIGNAGE INCLUDING ROOM NAME AND NUMBER THROUGHOUT - REFER TO CODE ANALYSIS PLAN.
3. ALL EXTERIOR WALLS SHALL HAVE R-21 BATT INSULATION, FULL HEIGHT AND SOUND INSULATION TO BE INSTALLED AT INTERIOR WALLS.
4. PAINT ALL INTERIOR WALLS - REFER TO ROOM FINISH SCHEDULE FOR INTERIOR WALL FINISHES.
5. DOORS SHALL BE INSTALLED 4" FROM JAMB UNLESS OTHERWISE NOTED. FOR ADDITIONAL REQUIRED DOOR CLEARANCES, SEE DETAIL 1 / 2A10.8.1
6. AT OUTSIDE CORNERS OF INTERIOR WALLS, PROVIDE CORNER GUARDS. SEE DETAIL 6 / 2A10.10.3

STRUCTURE
1. DIMENSIONS OF WALLS ARE FROM FACE OF STUD AT EXTERIOR AND CENTERLINE FOR INTERIOR, UNLESS OTHERWISE NOTED.
2. REFER TO STRUCTURAL DRAWINGS FOR HEADER SCHEDULE AND FRAMING DETAILS FOR OPENINGS IN INTERIOR AND EXTERIOR WALLS.
3. SEE STRUCTURAL DRAWINGS FOR FRAMING SIZE AND SPACING.
4. SEE STRUCTURAL DRAWINGS FOR COLUMN LOCATIONS AND SIZING.

LEGEND

A101A	DOOR NUMBER, SEE DOOR SCHEDULE
A	WINDOW, STOREFRONT, OR CURTAINWALL SEE WINDOW SCHEDULE
	LINE OF ROOF, SKYLIGHT, OR SOFFIT OVERHEAD - SHOWN DASHED
	EXTERIOR 6" STUD WALL, SEE DETAIL 1 / 2A10.1
	EXTERIOR 4" FURRED STUD WALL, SEE DETAIL 2 / 2A10.1
	INTERIOR 6" STUD WALL, SEE DETAIL 6 / 2A10.1
	INTERIOR 8" STUD WALL, SEE DETAIL 6 / 2A10.1
	INTERIOR 6" STUD WALL, 1-HR BARRIER, SEE DETAIL 5 / 2A10.1
FD	FLOOR DRAIN WITH SLOPED FLOOR, SEE DETAIL 4 / 2A10.10.3

NOTES:
- SEE STRUCTURAL PLANS FOR ADDITIONAL INFORMATION
- FOR ALL EXTERIOR WALL FINISHES, SEE EXTERIOR ELEVATION SHEETS AA5.1 AND AB5.1

N

CLASSROOM BUILDING FLOOR PLAN 1/8" = 1'-0" 10

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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Ren. 08/31/27 STATE OF CALIFORNIA	
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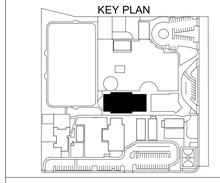
NO.	REMARKS	DATE

DRAWING STATUS

	DATE
DSA PLAN CHECK	03/16/2026
DSA BACK CHECK	07/13/2026
BIDDING	
CONSTRUCTION	

KEY PLAN



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1965 BIRKMONT DRIVE
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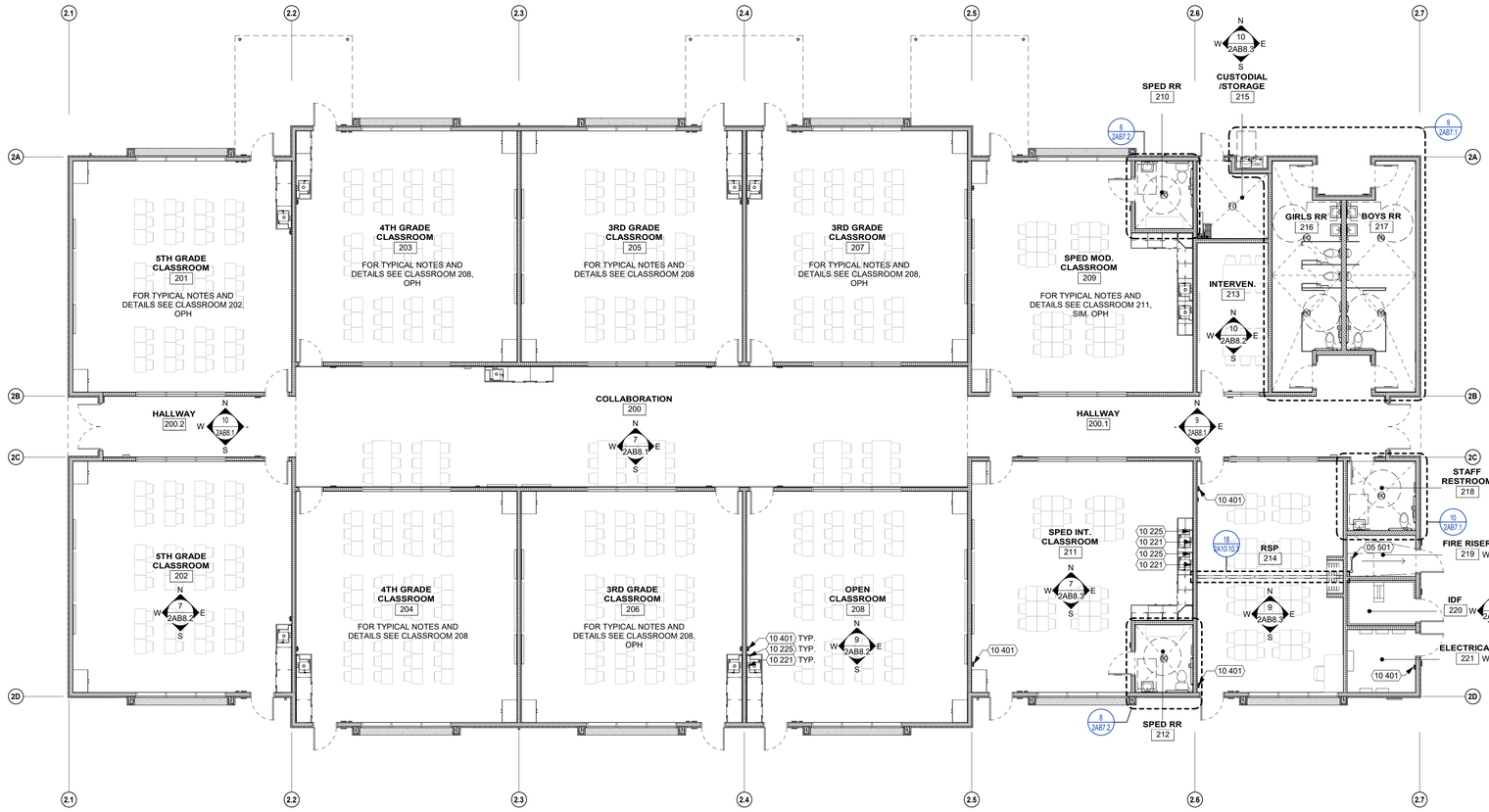
DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

CLASSROOM BLDG - FLOOR PLAN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AB2.1
Drawn RR	Checked CG

PRINT DATE: 7/13/2026 4:25:04 PM
FILE PATH: Autodesk Docs://25010 FCUSD Cordova Villa ES Mod/25010.1 - FCUSD Cordova Villa ES Mod - Phase 1.rvt



KEYNOTES

NUMBER	NOTE
05 501	ROOF ACCESS LADDER (SEE DETAIL 2/2A10.7.1)
10 221	SOAP DISPENSER, SURFACE MOUNTED
10 225	PAPER TOWEL DISPENSER, SURFACE MOUNTED
10 401	FIRE EXTINGUISHER (2A-10B:C) ON WALL BRACKET MOUNT (SEE DETAIL 1/A10.10.3)

GENERAL NOTES

1. FOR SIGNAGE REFER TO CODE ANALYSIS PLAN.
2. FOR CASEWORK DIMENSIONS REFER TO INTERIOR ELEVATIONS.
3. FOR TYPICAL CASEWORK ANCHORAGE SEE DETAIL 2 / 2A10.12
4. FOR TACK BOARD LOCATIONS REFER TO INTERIOR ELEVATIONS.
5. FOR RESTROOM FIXTURES, PARTITIONS, AND SPECIALTIES, REFER TO ENLARGED RESTROOM PLANS.

LEGEND

- 30" x 48" ACCESSIBLE CLEAR SPACE
- 60" DIAMETER ACCESSIBLE CLEAR SPACE
- LINE OF ROOF, SKYLIGHT, OR SOFFIT OVERHEAD - SHOWN DASHED
- FD — FLOOR DRAIN WITH SLOPED FLOOR, SEE DETAIL 4 / 2A10.10.3

CLASSROOM BUILDING EQUIPMENT PLAN 1/8" = 1'-0" 10

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NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
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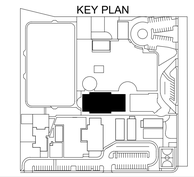
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
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RANCHO CORDOVA, CA 95742

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CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

CLASSROOM BLDG - EQUIPMENT PLAN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AB2.2
Drawn RR / Checked CG	

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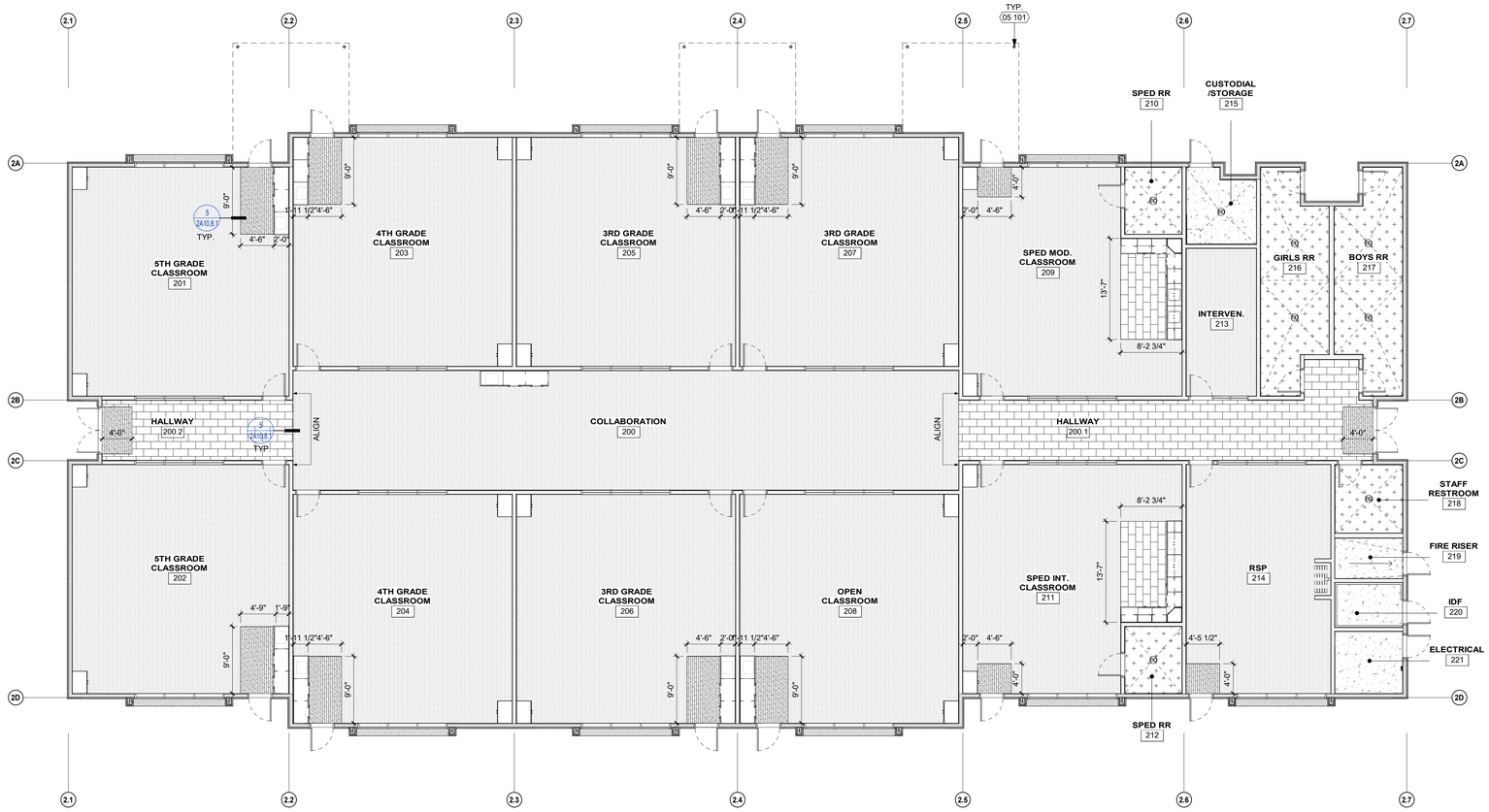

KEYNOTES

NUMBER	NOTE
05 101	STEEL COLUMN (SEE STRUCTURAL DWGS.)

GENERAL NOTES

1. SEE ROOM FINISH SCHEDULE SHEET FOR MORE INFORMATION.
2. FOR CONCRETE EXPANSION JOINT REQUIREMENTS, SEE STRUCT. DRAWINGS
3. CONCRETE IN CARPETED AREAS DOES NOT HAVE A SPECIFIC SCORING PATTERN BUT CONTROL JOINTS MUST NOT EXCEED 10'-0" O.C. MAX. SPACING.

FINISH PLAN LEGEND

- CARPET: TILE, FOR WALL BASE SEE 12 2A10.10.2
- CARPET: WALK-OFF MAT, FOR WALL BASE SEE 12 2A10.10.2
- RESILIENT FLOORING: LVT PLANK, FOR WALL BASE SEE 13 2A10.10.2
- EPOXY MOSAIC COMPOSTITION FLOORING,FOR WALL BASE SEE 14 2A10.10.2
- EXPOSED AND SEALED CONCRETE PER SPECIFICATIONS, FOR WALL BASE SEE 11 2A10.10.2
- DEPRESSED CONCRETE SLAB, PER STRUCTURAL DRAWINGS
- FD FLOOR DRAIN PER PLANS, SLOPE FINISH TO DRAIN 4 2A10.10.2
- LINE OF ROOF, SKYLIGHT, OR SOFFIT OVERHEAD - SHOWN DASHED

CLASSROOM BUILDING FLOOR PATTERN PLAN 1/8" = 1'-0" 10

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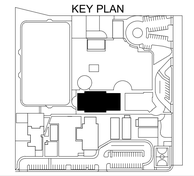

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CLASSROOM BLDG - FLOOR PATTERN PLAN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AB2.3
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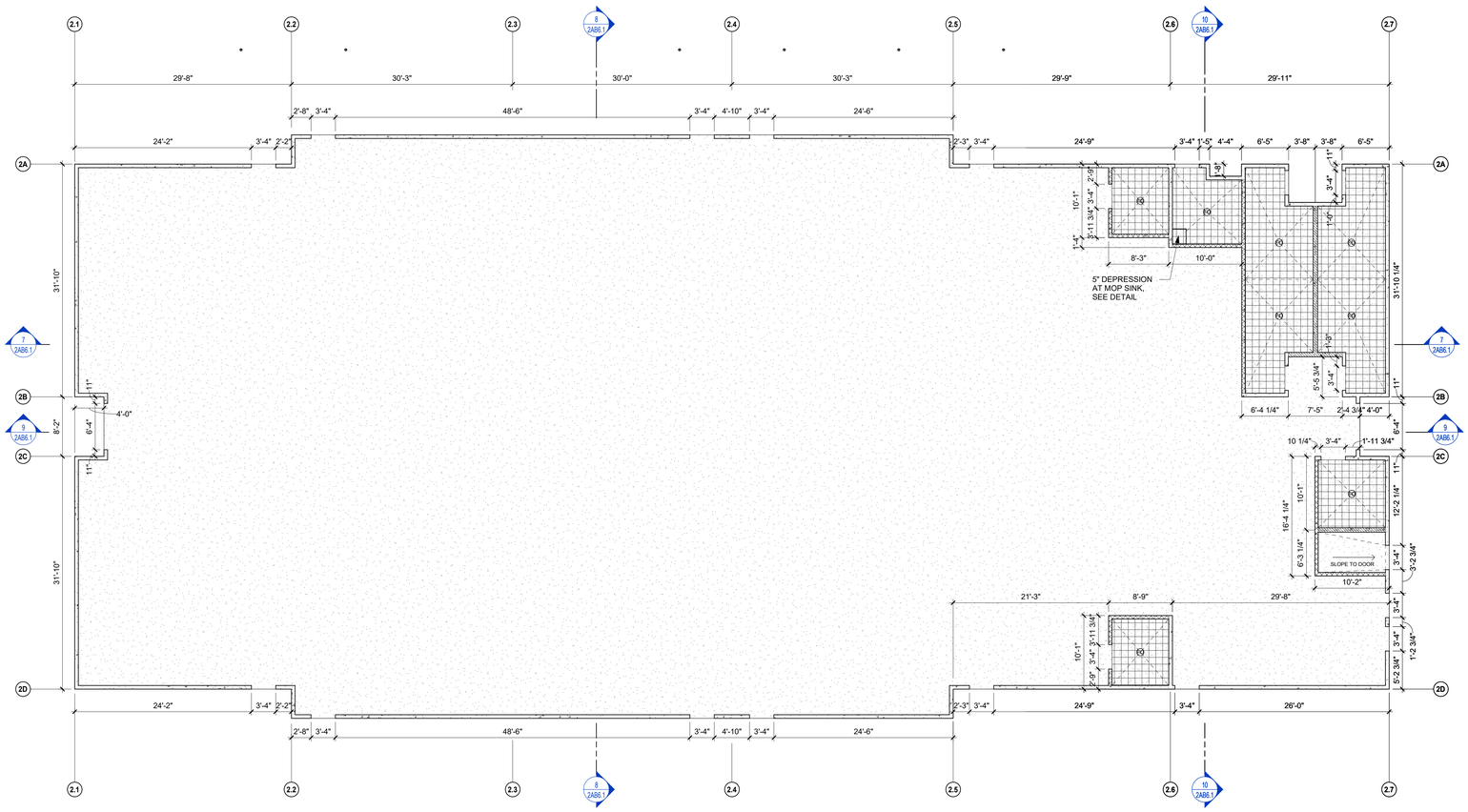

GENERAL NOTES

GENERAL

1. FOR PLUMBING FIXTURES, FLOOR DRAINS, CASEWORK, AND OTHER EQUIPMENT - REFER TO EQUIPMENT PLAN.
2. FOR ALL REQUIRED SIGNAGE INCLUDING ROOM NAME AND NUMBER THROUGHOUT - REFER TO CODE ANALYSIS PLAN.
3. ALL EXTERIOR WALLS SHALL HAVE R-21 BATT INSULATION, FULL HEIGHT AND SOUND INSULATION TO BE INSTALLED AT INTERIOR WALLS.
4. PAINT ALL INTERIOR WALLS - REFER TO ROOM FINISH SCHEDULE FOR INTERIOR WALL FINISHES.
5. DOORS SHALL BE INSTALLED 4" FROM JAMB UNLESS OTHERWISE NOTED. FOR ADDITIONAL REQUIRED DOOR CLEARANCES, SEE DETAIL 1 / 2A10.8.1
6. AT OUTSIDE CORNERS OF INTERIOR WALLS, PROVIDE CORNER GUARDS. SEE DETAIL 6 / 2A10.10.3

STRUCTURE

1. DIMENSIONS OF WALLS ARE FROM FACE OF STUD AT EXTERIOR AND CENTERLINE FOR INTERIOR, UNLESS OTHERWISE NOTED.
2. REFER TO STRUCTURAL DRAWINGS FOR HEADER SCHEDULE AND FRAMING DETAILS FOR OPENINGS IN INTERIOR AND EXTERIOR WALLS.
3. SEE STRUCTURAL DRAWINGS FOR FRAMING SIZE AND SPACING.
4. SEE STRUCTURAL DRAWINGS FOR COLUMN LOCATIONS AND SIZING.

LEGEND

- CONCRETE FLOOR SLAB, SEE CIVIL PLANS FOR FINISH FLOOR ELEVATION
- RAISED CONCRETE CURB, TYPICAL 6" WIDTH U.N.O., SEE DETAIL
- RAISED CONCRETE CURB, 5 1/2" WIDTH, SEE DETAIL
- RAISED CONCRETE CURB, 7 1/4" WIDTH, SEE DETAIL
- DEPRESSED CONCRETE SLAB, 2" U.N.O.
- FD — FLOOR DRAIN WITH SLOPED FLOOR, SEE DETAIL 4 / 2A10.10.3
- OUTLET FLOOR DUPLEX, SEE ELECTRICAL DRAWINGS

CLASSROOM BUILDING SLAB FLOOR PLAN 1/8" = 1'-0" 10

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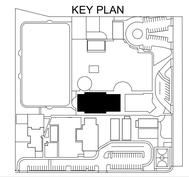

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CLASSROOM BLDG - SLAB FLOOR PLAN

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07/13/2026	25010.1
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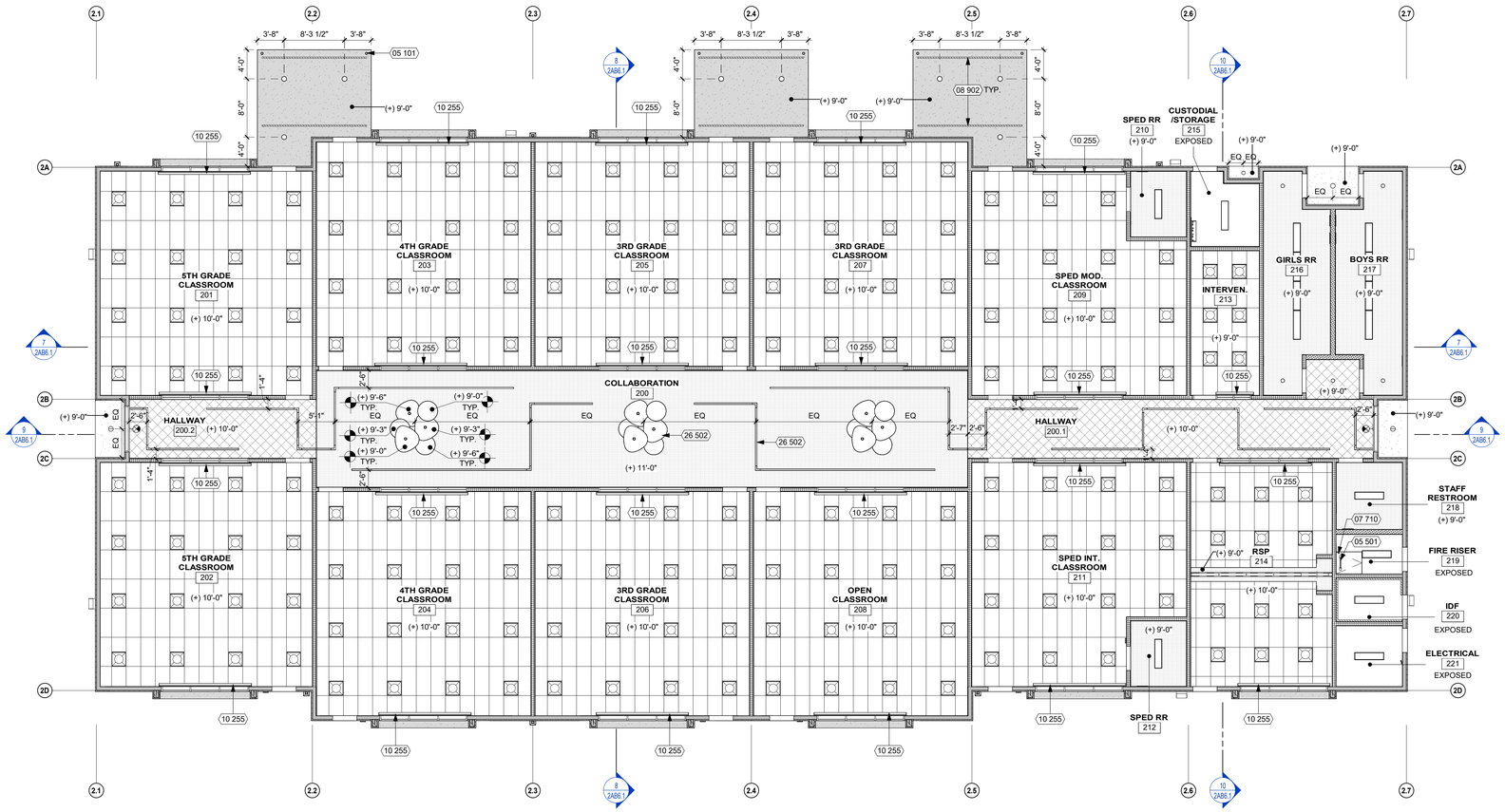

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CLASSROOM BUILDING REFLECTED CEILING PLAN 1/8" = 1'-0" 10

KEYNOTES

NUMBER	NOTE
05 101	STEEL COLUMN (SEE STRUCTURAL DWGS.)
05 501	ROOF ACCESS LADDER (SEE DETAIL 2/2A10.7.1)
07 710	ROOF ACCESS HATCH, 36x42 (SEE DETAIL 3/2A10.7.1)
08 902	SOFFIT VENT
10 255	MANUAL-OPERATED WINDOW ROLLER SHADES AT HM FRAME WINDOW (SEE DETAIL 8/2A10.8.2).
26 502	INTERIOR LIGHT FIXTURE (SEE ELECTRICAL DWGS.)

GENERAL NOTES

GENERAL

1. ALL HEIGHTS ARE REFERENCED FROM FINISH FLOOR ELEVATIONS = 0'-0"
2. ACCESS DOORS TO BE INSTALLED TO SERVICE EQUIPMENT SHOWN IN CONTRACT DOCUMENTS. SEE DETAIL 4 / 2A10.9.3
3. PROVIDE ACCESS PANELS TO ENCLOSED AREAS ABOVE GYPSUM BOARD CEILINGS. CENTER AND ALIGN TO LIGHT FIXTURES, AND OTHER CEILING FIXTURES PER PLAN.
4. CEILING SYSTEM SHOULD BE CENTERED WITHIN EACH ROOM AS WELL AS ALIGNED WITH THE STRUCTURAL GRID, U.O.N.
5. CEILING SYSTEM SHALL BE COORDINATED WITH THE LIGHTING & ELECTRICAL PLANS.
6. SKYLIGHT WELL ON THE CEILING PLAN SHOULD BE VERTICALLY ALIGNED WITH THE CORRESPONDING SKYLIGHT ON THE ROOF WHERE OCCURS.
7. PAINT GYP. BD. CEILINGS AND SOFFITS P-1 U.O.N. (PAINT FINISH TO BE SAME AT FACE AND UNDERSIDE OF SOFFITS.) REFER TO ROOM FINISH SCHEDULE FOR COLOR SELECTIONS
8. PAINT EXPOSED CEILINGS, DUCTWORK AND EQUIPMENT PER FINISH SCHEDULE.
9. NO EXPOSED NAILS OR SCREWS ARE ALLOWED.

EQUIPMENT

1. SEE ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SUPPORTS & BRACING. ELECTRICAL DEVICES ARE SHOWN FOR LOCATION IN RELATION TO LIGHT FIXTURES AND MECHANICAL DIFFUSERS IN SELECT AREAS. FOR FIXTURE INFORMATION SEE ELECTRICAL DRAWINGS.
2. SEE MECHANICAL AND PLUMBING DRAWINGS FOR DIFFUSERS AND PIPE CHASES.
3. SEE FIRE PROTECTION DETAILS FOR PENETRATIONS THROUGH RATED WALLS, WHERE OCCURS.
4. SINGLE LIGHT FIXTURES IN GYP. BD. CEILINGS SHALL BE CENTERED IN ROOM.
5. LIGHT FIXTURE DIMENSIONS ARE TO CENTERLINE OF FIXTURE OR GROUP OF FIXTURES, U.O.N.
6. CENTER AND ALIGN SMOKE DETECTOR, DIFFUSERS, GRILLS, AND SIMILAR ITEMS IN CEILING TILE GRID AND ALIGN WITH LIGHT FIXTURES, SEE DETAIL 1 / 2A10.9.3
7. SEE ELECTRICAL DRAWINGS FOR LOW LEVEL EXIT SIGN LOCATIONS.
8. COORDINATE LOCATION OF CEILING FANS AND LIGHTING. ENSURE THAT FAN BLADES DO NOT UNDERCUT LIGHTING FIXTURES.

LEGEND

- 2x4 SUSPENDED ACOUSTICAL CEILING PANEL SYSTEM. SEE SHEET 2A10.9.1 AND 2A10.9.2 FOR ATTACHMENT TO STRUCTURE.
- 2x2 SUSPENDED ACOUSTICAL CEILING PANEL SYSTEM. SEE SHEET 2A10.9.1 AND 2A10.9.2 FOR ATTACHMENT TO STRUCTURE.
- GYPSUM WALLBOARD CEILING, PAINTED P1 PER FINISH SCHEDULE. SEE DETAIL 2 / 2A10.9.3
- GYPSUM WALLBOARD CEILING, PAINTED P2 PER FINISH SCHEDULE. SEE DETAIL 2 / 2A10.9.3
- EXTERIOR EIFS SOFFIT, PAINTED P1 PER FINISH SCHEDULE. SEE DETAILS 6 / 2A10.6, 7 / 2A10.6
- EXTERIOR EIFS SOFFIT, PAINTED P2 PER FINISH SCHEDULE. SEE DETAILS 6 / 2A10.6, 7 / 2A10.6
- LIGHT FIXTURES, SEE ELECTRICAL DRAWINGS
- MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS
- CEILING ACCESS PANEL, SEE DETAIL 4 / 2A10.9.3
- ROOM NAME A119 (+) 9'-0" — ROOM TAG (+) 9'-0" = CEILING HEIGHT OF ROOM, U.O.N.
- ROOM NAME A119 EXPOSED — ROOM TAG EXPOSED = OPEN TO STRUCTURE
- EMERGENCY EXIT LIGHT

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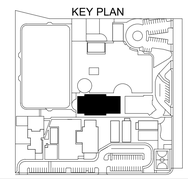

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CLASSROOM BLDG - REFLECTED CEILING PLAN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AB3.1
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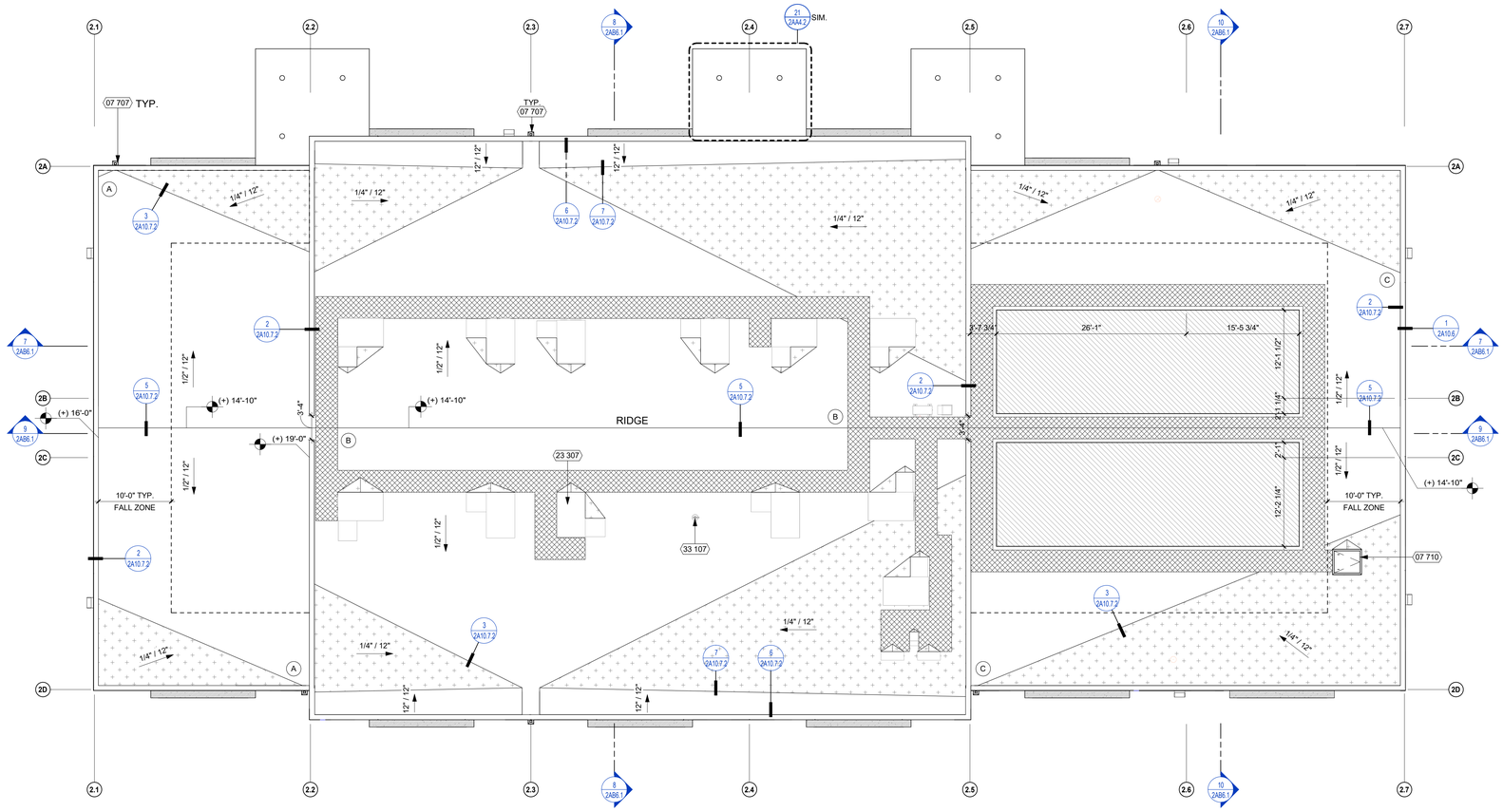

KEYNOTES

NUMBER	NOTE
07 707	DOWNSPOUT CONDUCTOR HEAD (SEE DETAIL 14/2A10.7.1)
07 710	ROOF ACCESS HATCH, 36x42 (SEE DETAIL 3/2A10.7.1)
23 307	MECHANICAL EQUIPMENT, TYP. (SEE MECHANICAL DWGS.)
33 107	ROOF HYDRANT (SEE PLUMBING DWGS.)

GENERAL NOTES

GENERAL
1. NOTES AND SYMBOLS ARE TO APPLY AT ALL AREAS OF SIMILAR GRAPHIC REPRESENTATION. SUCH INDICATIONS MAY BE LIMITED TO PROMOTE CLARITY OR AVOID REDUNDANCY. NO LIMITATION OF APPLICATION SHALL BE CONSTRUED WITHOUT SPECIFIC NOTATION.
2. ALL ROOF MATERIALS TO BE CLASS A RATED.
3. MINIMUM ROOF INSULATION R-30 ALL LOCATIONS OF THE ROOF.
4. MINIMUM THICKNESS OF ROOF INSULATION TO BE 6" AT LOW POINT OF ROOF DRAIN SUMP.
5. FLASHING TERMINATIONS SHALL HAVE WATER-TIGHT SHEET METAL CLOSURES WITH WATERPROOF SELF-ADHERED MEMBRANE UNDERLAYMENT.
6. NAILER THICKNESS SHALL MATCH ADJACENT INSULATION THICKNESS WITHIN 1/4" TOLERANCE.

SLOPES AND DRAINAGE
1. SECONDARY SLOPE (CRICKETS, SADDLES, SUMPS, ETC.) SHALL BE 1/4" / FT. SLOPE MINIMUM AS INDICATED AT ALL ROOF AREAS, INCLUDING VALLEYS, AND STEEPER AS REQUIRED TO MEET VALLEY SLOPE CRITERIA.
2. BACK SLOPES SHALL BE 2X THE PRIMARY SLOPE.
3. MINIMUM ROOF SLOPE IN VALLEYS IS 1/4" / FT. ADJUST SLOPE OF CRICKETS TO PROVIDE MINIMUM SLOPE AT ALL LOCATIONS OF ROOF. TO PREVENT PONDING, DIRECT ALL ROOF WATER TO DRAINS.
4. TAPER INSULATION UP FROM DRAIN IN SUMPS MINIMUM OF 1/4" / FT. BUT NOT TO EXCEED 1" /FT. PROVIDE TAPERED FILL TO CONFORM THE SUMP INSULATION TO THE THICKNESS OF INSULATION IN THE FIELD OF THE ROOF.
5. PROVIDE TAPERED CRICKET ON THE HIGH SIDE OF PENETRATIONS WIDER THAN 24".
6. MINIMUM SLOPE 1/4"/FT TO DRAIN AT ALL LOCATIONS.

EQUIPMENT
1. REFER TO MECHANICAL, PLUMBING, ELECTRICAL AND OTHER FACILITY SERVICES DRAWINGS FOR EQUIPMENT, DUCTWORK, PENETRATIONS AND OTHER FEATURES NOT OTHERWISE SHOWN.
2. PENETRATIONS, CURBS AND TERMINATIONS, INCLUDING THOSE FOR MECHANICAL, ELECTRICAL, PLUMBING AND OTHER FACILITY SERVICES SHALL PROVIDE MINIMUM 8" VERTICAL BASE FLASHING ELEVATION ABOVE THE TOP OF THE ADJACENT ROOF SURFACE (NOT STRUCTURAL DECK).
3. EQUIPMENT SUPPORT PENETRATIONS SHALL BE ROUND SHAPES UNLESS SPECIFICALLY DETAILED OTHERWISE.
4. FOR CONDUIT THROUGH ROOF DETAIL, SEE ELECTRICAL DRAWINGS
5. FOR TYPICAL PENETRATION CLEARANCES, SEE DETAIL 7 / 2A10.7.1
6. FOR DUCT THRU WALL PENETRATION, SEE DETAIL 10 / 2A10.7.1
7. FOR VENT PIPE AT SINGLE PLY ROOFING, SEE DETAIL 11 / 2A10.7.1

SOLAR READY ZONE

CEC SECTION 110.10 MANDATORY REQUIREMENTS FOR SOLAR READY BUILDINGS

(B) SOLAR ZONE

1. MINIMUM AREA. (B) NONRESIDENTIAL BUILDINGS. THE SOLAR ZONE SHALL BE LOCATED ON THE ROOF OR OVERHANG OF THE BUILDING OR ON THE ROOF OR OVERHANG OF ANOTHER STRUCTURE LOCATED WITHIN 250 FEET OF THE BUILDING OR ON COVERED PARKING INSTALLED WITH THE BUILDING PROJECT AND HAVE A TOTAL AREA NO LESS THAN 15 PERCENT OF THE TOTAL ROOF AREA OF THE BUILDING EXCLUDING ANY SKYLIGHT AREA.
   A. BUILDING F:
      a. TOTAL ROOF AREA = 13,286 SF
      b. 15% OF TOTAL ROOF AREA = 1,993 SF
   B. TOTAL AREA REQUIRED = 1,993 SF
      a. TOTAL SOLAR READY AREA PROVIDED = 2,000 SF
      b. SOLAR READY AREA IDENTIFIED ON BUILDING G ROOF PLAN.
2. ORIENTATION. ALL SECTIONS OF THE SOLAR ZONE LOCATED ON STEEP-SLOPED ROOFS SHALL BE ORIENTED BETWEEN 110 DEGREES AND 270 DEGREES OF TRUE NORTH.
   A. SEE ROOF PLAN FOR COMPLIANCE.
3. SHADING. NO OBSTRUCTIONS SHALL BE LOCATED IN THE SOLAR ZONE.
   A. SEE ROOF PLAN FOR COMPLIANCE.
4. STRUCTURAL DESIGN LOADS ON CONSTRUCTION DOCUMENTS.
   A. SEE STRUCTURAL DRAWINGS FOR DESIGN LOADS.

(C) INTERCONNECTION PATHWAYS

1. SEE ELECTRICAL DRAWINGS FOR COMPLIANCE.

(D) DOCUMENTATION

1. A COPY OF THE CONSTRUCTION DOCUMENTS OR A COMPARABLE DOCUMENT INDICATING THE INFORMATION FROM SECTION 110.10(B) THROUGH 110.10 (C) SHALL BE PROVIDED TO THE OCCUPANT.

VENTILATION CALCULATION

ATTIC AREAS	TOTAL AREA	MINIMUM AREA REQUIRED
A	2048 SF	14 SF
B	7043 SF	47 SF
C	4171 SF	28 SF

NOTES:
1. MINIMUM VENT AREA REQUIRED PER CBC 1202.2.
2. THE NET FREE VENTILATING AREA SHALL NOT BE LESS THAN 1/150 OF AREA OF THE SPACE VENTILATED.
3. ENCLOSED SPACE RAFTER AREAS
   A. PROVIDE 1 1/2" DIA. SCREEN VENT HOLES AT 12" TYPICAL.

LEGEND

- SINGLE PLY ROOFING, SEE DETAIL 1 / 2A10.7.2
- ROOF ACCESS HATCH, SEE DETAIL 3 / 2A10.7.1
- ROOF WALKWAY PADS 9 / 2A10.7.2
- ROOF CRICKET, TAPERED RIGID INSULATION, SLOPED TO DRAIN PER DETAIL 3 / 2A10.7.2
- SOLAR READY ZONE, SEE PHOTOVOLTAIC PV SYSTEM DWGS.

N

CLASSROOM BUILDING ROOF PLAN 1/8" = 1'-0" 10

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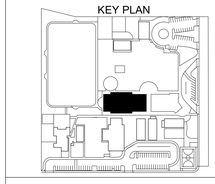

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CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

CLASSROOM BLDG - ROOF PLAN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AB4.1
Drawn / Checked	
RR / CG	

PRINT DATE: 7/13/2026 4:25:14 PM
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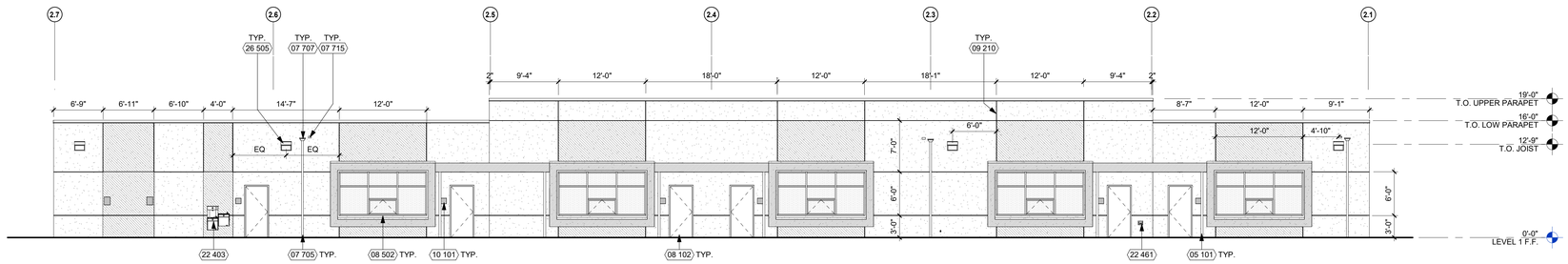
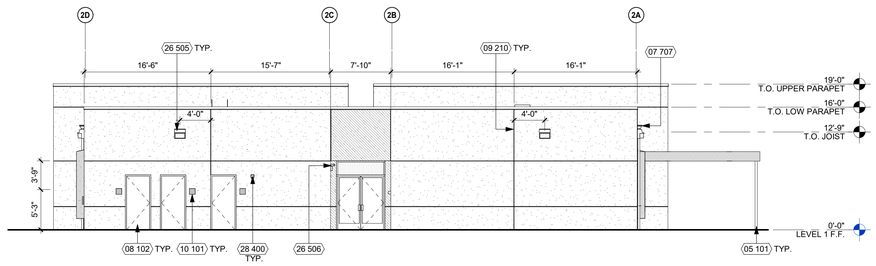
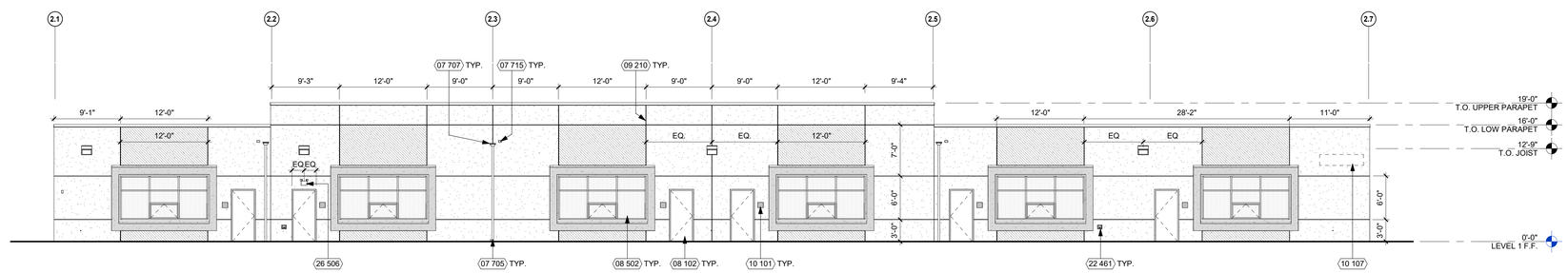


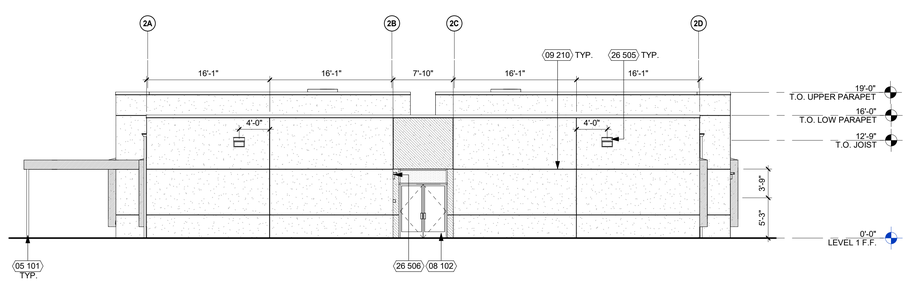
NORTH ELEVATION 1/8" = 1'-0" 6



EAST ELEVATION 1/8" = 1'-0" 7



SOUTH ELEVATION 1/8" = 1'-0" 8



WEST ELEVATION 1/8" = 1'-0" 9

KEYNOTES

NUMBER	NOTE
05 101	STEEL COLUMN (SEE STRUCTURAL DWGS.)
07 705	DOWNSPOUT, PAINT TO MATCH COLOR(S) OF WALL BEHIND (SEE DETAIL 9/2A10.7.1)
07 707	DOWNSPOUT CONDUCTOR HEAD (SEE DETAIL 14/2A10.7.1)
07 715	OVERFLOW SCUPPER, SEE DETAILS 19/A10.7.1)
08 102	EXTERIOR DOOR (SEE DOOR SCHEDULE)
08 502	HOLLOW METAL FRAMED WINDOW (SEE WINDOW SCHEDULE)
09 210	EIFS CONTROL JOINT, SEE DETAIL 2/A10.6
10 101	SIGNAGE (SEE CODE ANALYSIS PLAN)
10 107	BUILDING SIGN NUMBER (SEE DETAIL 25/2A10.10.3)
22 403	HI-LO DRINKING FOUNTAIN (SEE DETAIL 23/A10.10.2)
22 461	HOSE BIBB (SEE PLUMBING DWGS.)
26 505	EXTERIOR LIGHT FIXTURE, 12'-6" A.F.F. U.N.O. (SEE ELECTRICAL DWGS.)
26 506	EMERGENCY LIGHT FIXTURE, 8'-0" A.F.F. U.N.O. (SEE ELECTRICAL DWGS.)
28 400	Exterior Fire Alarm

GENERAL NOTES

LEGEND

TINTED INSULATING VISION GLAZING, PER WINDOW SCHEDULE

SPANDREL GLAZING PER WINDOW SCHEDULE

EIFS, PAINTED P1

EIFS, PAINTED P2

EIFS, PAINTED P3

FOR TYPICAL DETAILS SEE:
CONTROL JOINT DETAIL: 2 / 2A10.6
INSIDE CORNER: 4 / 2A10.6
OUTSIDE CORNER: 5 / 2A10.6

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REVISION HISTORY

NO.	REMARKS	DATE

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	DATE
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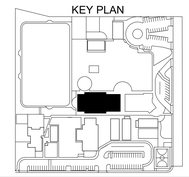
DSA BACK CHECK	07/13/2026
BIDDING	
CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

CLASSROOM BLDG - EXTERIOR ELEVATIONS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AB5.1
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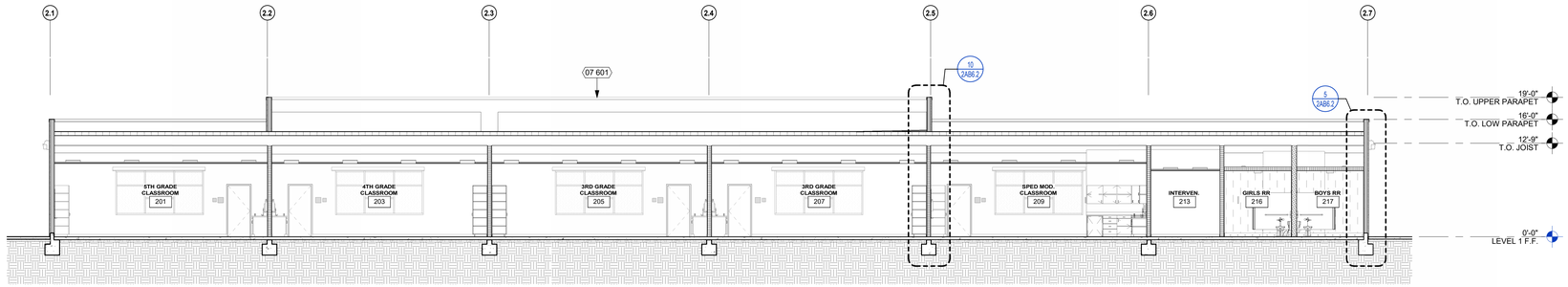
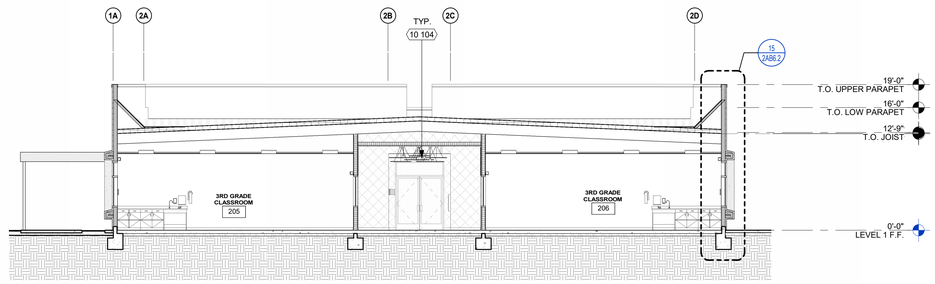
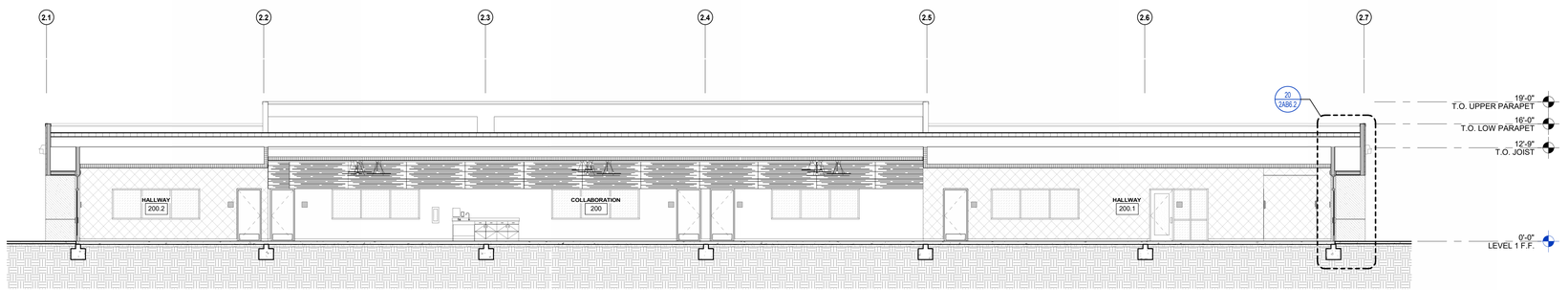


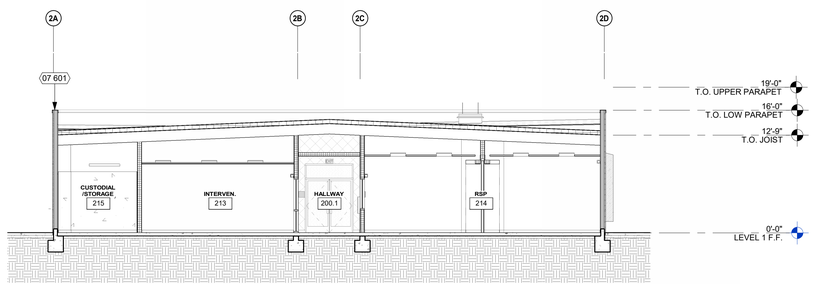
CLASSROOM BLDG - SECTION 1 1/8" = 1'-0" 7



CLASSROOM BLDG - SECTION 2 1/8" = 1'-0" 8



CLASSROOM BLDG - SECTION 3 1/8" = 1'-0" 9



CLASSROOM BLDG - SECTION 4 1/8" = 1'-0" 10

KEYNOTES

NUMBER	NOTE
07 601	GSM FLASHING AT PARAPET, PAINTED (SEE DETAIL 1/2A10.6)
10 104	ILLUMINATED EXIT SIGN

GENERAL NOTES

1. FOR FINISH INFORMATION, REFER TO INTERIOR ELEVATIONS AND FINISH SCHEDULE.
2. SEE REFLECTED CEILING PLANS FOR CEILING INFORMATION.
3. SEE FLOOR PLAN FOR WALL TYPES.

LEGEND

- TINTED INSULATING VISION GLAZING, PER WINDOW SCHEDULE
- SPANDREL GLAZING PER WINDOW SCHEDULE
- EIFS, PAINTED P1
- EIFS, PAINTED P2
- EIFS, PAINTED P3

FOR TYPICAL DETAILS SEE:
CONTROL JOINT DETAIL: 2 / 2A10.6
INSIDE CORNER: 4 / 2A10.6
OUTSIDE CORNER: 5 / 2A10.6

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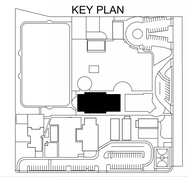
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

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CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

CLASSROOM BLDG - BUILDING SECTIONS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AB6.1
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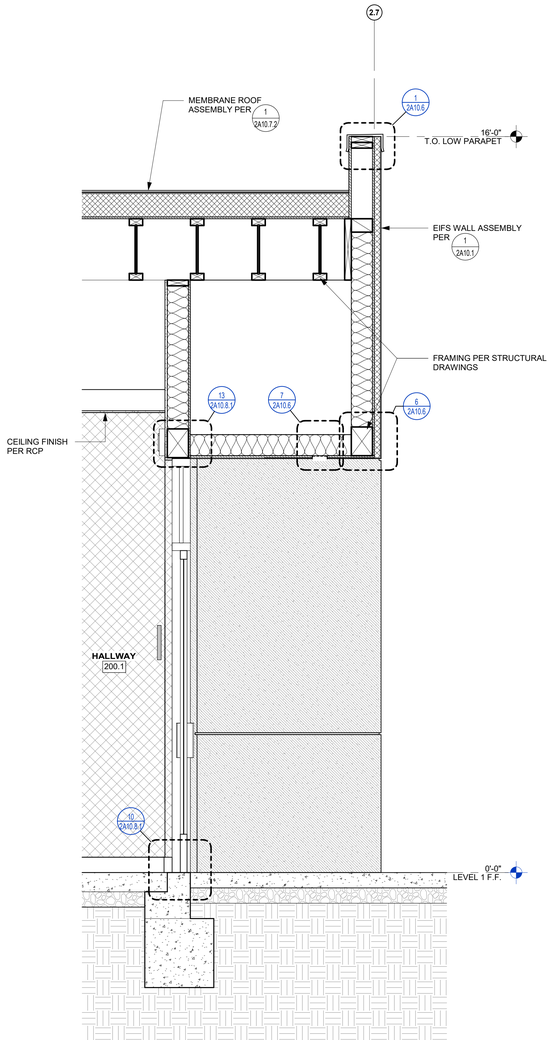
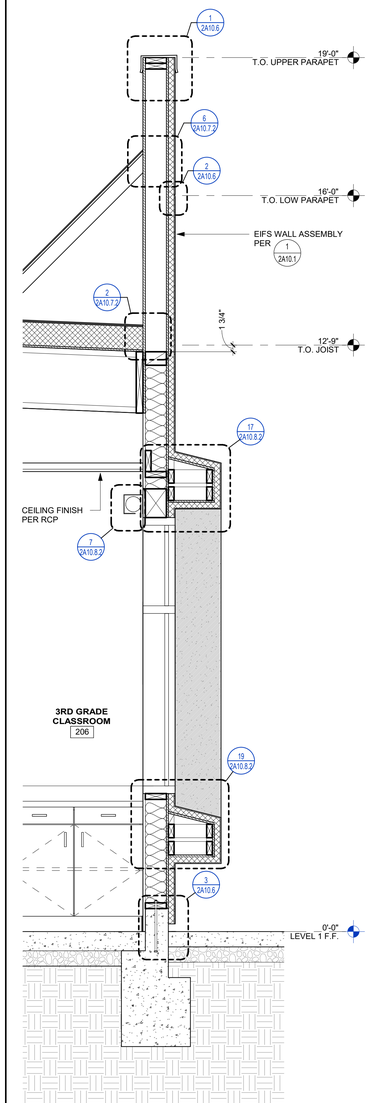
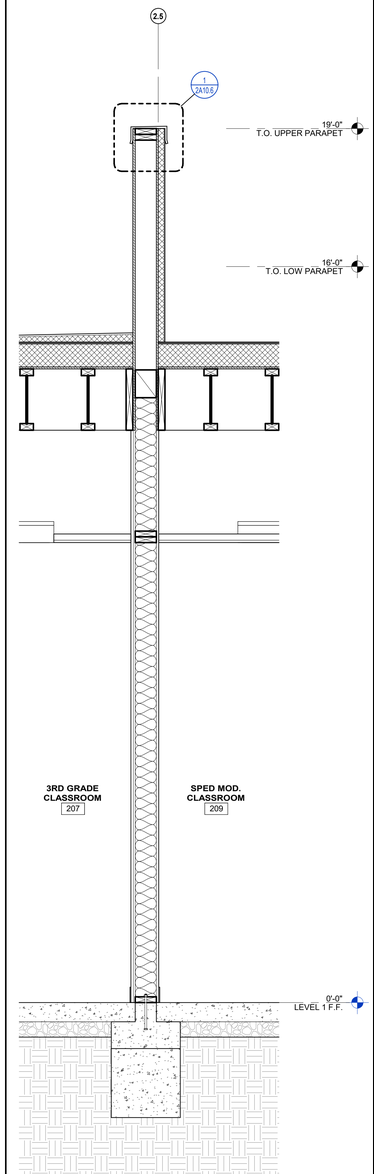


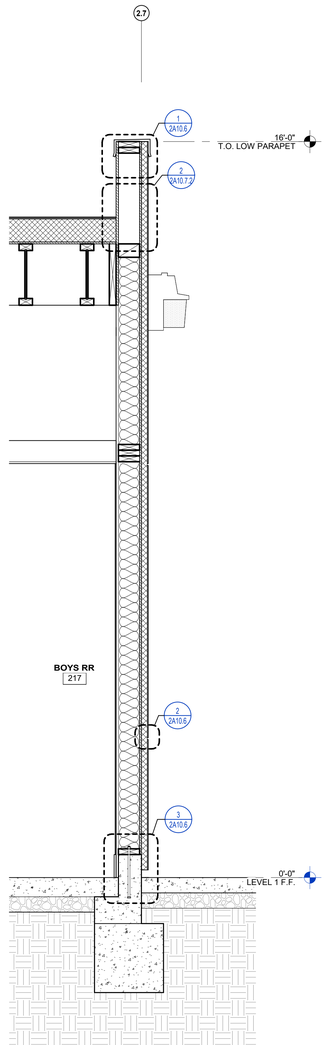
WALL SECTION 3/4" = 1'-0" 20



WALL SECTION 3/4" = 1'-0" 15



WALL SECTION 3/4" = 1'-0" 10



WALL SECTION 3/4" = 1'-0" 5

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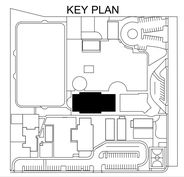
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

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RANCHO CORDOVA, CA 95670

CLASSROOM BLDG - WALL SECTIONS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AB6.2
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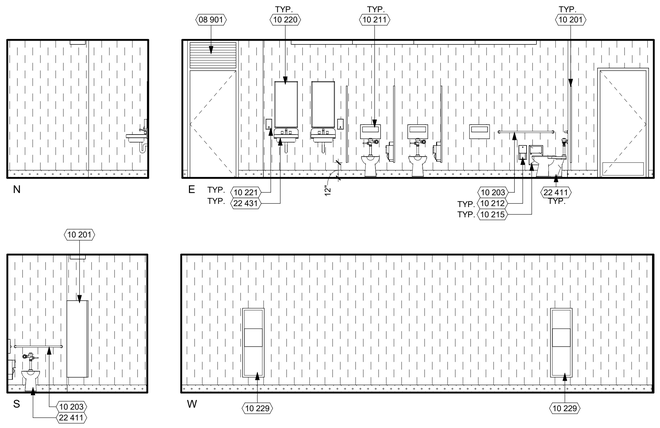
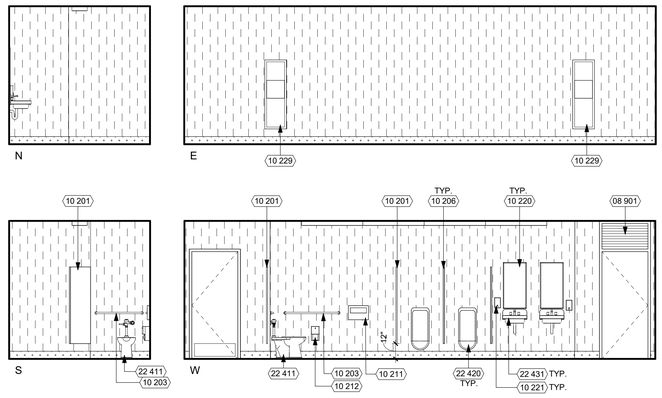


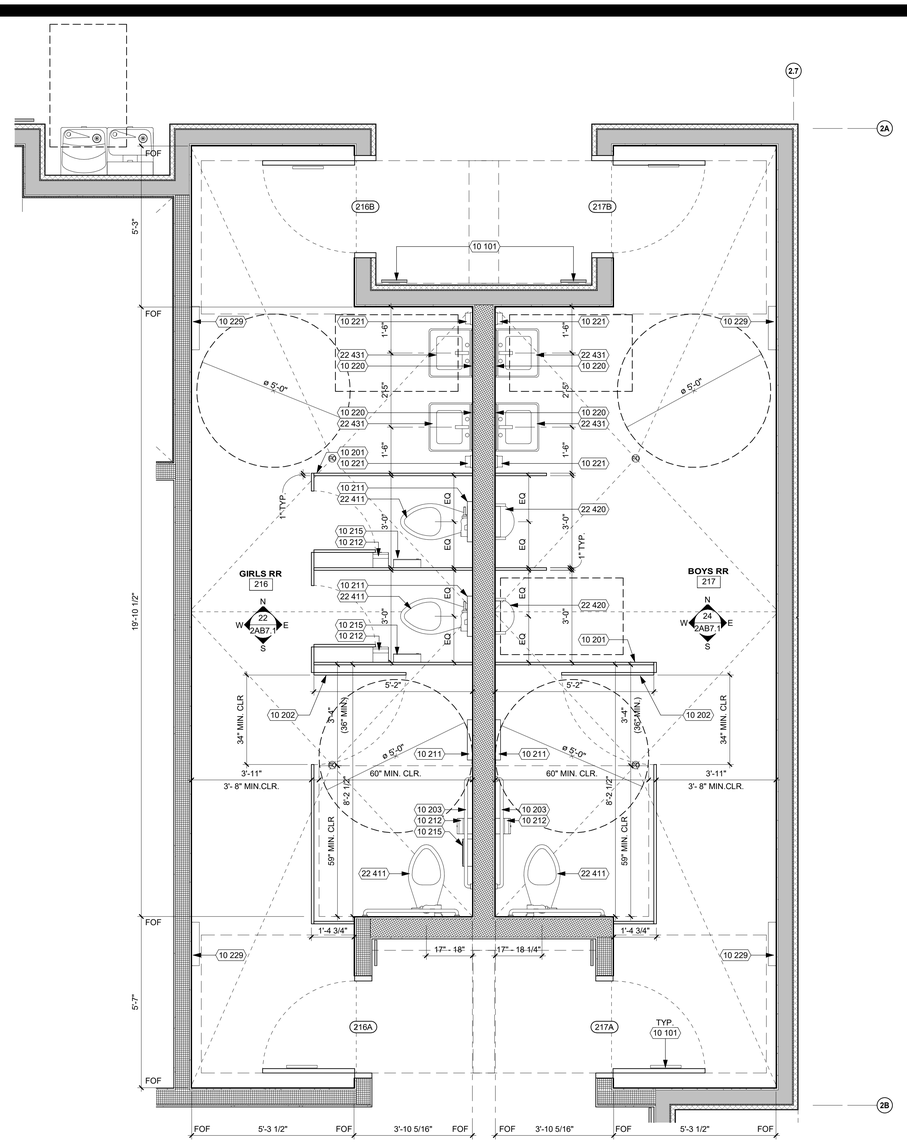
NOTE: PER CBC TABLE 11B-609.4, USE SUGGESTED DIMENSIONS FOR ADULTS.

216 - GIRLS RESTROOM - INTERIOR ELEVATIONS 1/4" = 1'-0" 22



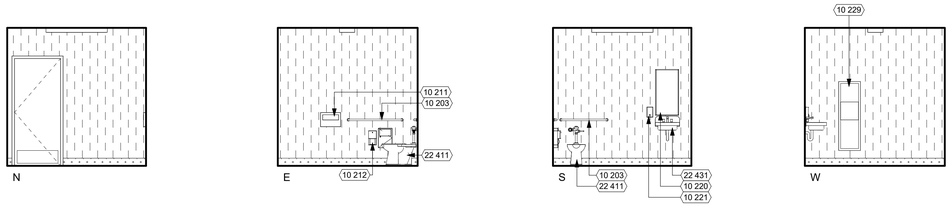
NOTE: PER CBC TABLE 11B-609.4, USE SUGGESTED DIMENSIONS FOR ADULTS.

217 - BOYS RESTROOM - INTERIOR ELEVATIONS 1/4" = 1'-0" 24



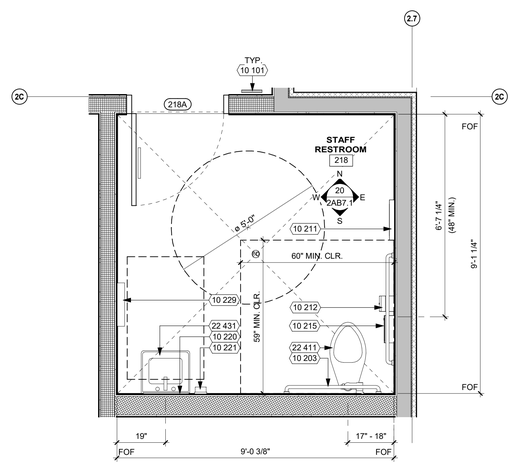
NOTE: PER CBC TABLE 11B-609.4, USE SUGGESTED DIMENSIONS FOR ADULTS.

216 - GIRLS RESTROOM & 217 - BOYS RESTROOM - ENLARGED PLAN 1/2" = 1'-0" 9



NOTE: PER CBC TABLE 11B-609.4, USE SUGGESTED DIMENSIONS FOR ADULTS.

218 - STAFF RESTROOM - INTERIOR ELEVATIONS 1/4" = 1'-0" 20



NOTE: PER CBC TABLE 11B-609.4, USE SUGGESTED DIMENSIONS FOR ADULTS.

218 - STAFF RESTROOM - ENLARGED PLAN 1/2" = 1'-0" 10

KEYNOTES

NUMBER	NOTE
08 901	DOOR LOUVER (SEE DOOR SCHEDULE)
10 101	SIGNAGE (SEE CODE ANALYSIS PLAN)
10 201	TOILET PARTITION BETWEEN STALLS, AND PILASTERS (SEE DETAIL 16/A10.10.2)
10 202	TOILET PARTITION DOOR
10 203	GRAB BAR (SEE DETAIL 11/A10.10.2)
10 206	URINAL SCREEN (SEE DETAIL 17/A10.10.2)
10 211	TOILET SEAT COVER DISPENSER, SURFACE MOUNTED
10 212	TOILET PAPER DISPENSER, SURFACE MOUNTED
10 215	SANITARY NAPKIN DISPOSAL, SURFACE MOUNTED
10 220	MIRROR
10 221	SOAP DISPENSER, SURFACE MOUNTED
10 229	COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE, SEMI-RECESSED
22 411	FLOOR MOUNTED WATER CLOSET
22 420	URINAL
22 431	LAVATORY

GENERAL NOTES

GENERAL
1. DIMENSIONS
   - A. ALL MINIMUM CLEARANCE DIMENSIONS FOR PLUMBING FIXTURES ARE FROM FACE OF WALL FINISH TO CENTER OF FIXTURE, U.O.N.
   - B. ALL DIMENSIONS MARKED "MIN. CLR" OR "CLR." ARE TO/ FROM FACE OF WALL FINISH (F.O.F.)
2. SEE FINISH PLAN FOR INTERIOR FINISHES.
3. PROVIDE GLASSMAT BACKER BOARD AT ALL TILED WALLS AND WALLS WITHIN 48" OF ANY PLUMBING FIXTURE
4. ALL DRINKING FOUNTAIN ALCOVES TO BE FINISHED WITH WATER RESISTANT WALL MATERIAL. SEE FINISH SCHEDULE AND INTERIOR ELEVATIONS.
5. ALL FLOOR SLOPES IN RESTROOMS ARE NOT TO EXCEED 1:48 IN ANY DIRECTION.
6. FOR FLOOR DRAIN, SEE DETAIL 4 / 2A10.10.3

ACCESSORIES
1. ALL RESTROOM FIXTURES AND ACCESSORIES MOUNTING HEIGHTS AND LOCATIONS TO USE DIMENSIONS BASED ON AGE GROUP NOTED ON ENLARGED RESTROOM PLANS.
2. FOR TYPICAL RESTROOM ACCESSORY MOUNTING HEIGHTS, ACCESSIBLE DIMENSIONS, SEE SHEET A10.10.2
3. TOILET ACCESSORIES LOCATED ON OR WITHIN WALLS SHALL BE INSTALLED AND SEALED TO PROTECT STRUCTURAL ELEMENTS FROM MOISTURE (CBC SECTION 1210.2.2)
4. PLUMBING FIXTURES TO HAVE SOLID BLOCKING AS REQUIRED BY CODE, SEE DETAIL 21 / 2A10.10.2
5. FOR MOP SINK WITH BROOM RACK, SEE DETAIL 3 / 2A10.10.3

STALLS AND PARTITIONS
1. ALL ACCESSIBLE TOILET PARTITION DOORS TO BE 36" WIDE MINIMUM AND ALL NON-ACCESSIBLE TOILET PARTITION DOORS SHALL NOT BE LESS THAN 2'-2".
2. PARTITION STILE WIDTHS SHALL NOT EXCEED 4".
3. FOR PARTITION DETAILS, SEE DETAIL 16 / 2A10.10.2
4. INSTALL (1) COAT HOOK CENTERED ON THE BACK OF EVERY STALL DOOR, 40" A.F.F. AT ACCESSIBLE STALLS AND 72" A.F.F. AT NON-ACCESSIBLE STALLS.
5. FLUSH VALVE TO BE LOCATED AT WIDE SIDE OF STALL/ SPACE.

LEGEND

- 60" DIAMETER ACCESSIBLE CLEAR SPACE
- 30" x 48" ACCESSIBLE CLEAR SPACE
- FLOOR DRAIN WITH SLOPED FLOOR, SEE DETAIL 4 / 2A10.10.2
- FRP1 PER FINISH SCHEDULE
- EPOXY WALL BASE SEE 14 / 2A10.10.2

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KEY PLAN

FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

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CORDOVA VILLA ELEMENTARY SCHOOL
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RANCHO CORDOVA, CA 95670

CLASSROOM BLDG - TOILET ROOM PLANS AND ELEVATIONS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AB7.1
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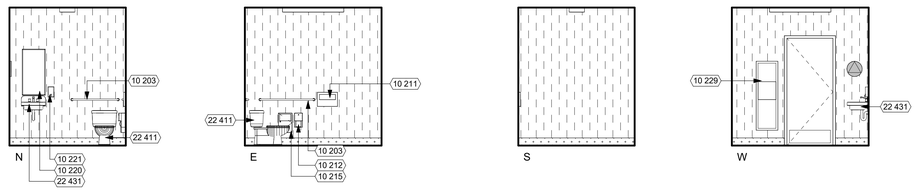
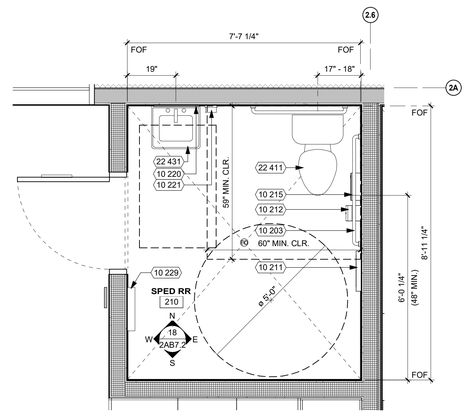


NOTE: PER CBC TABLE 11B-609.4, USE SUGGESTED DIMENSIONS FOR AGES 9-12.

210 - SPED RESTROOM - INTERIOR ELEVATIONS 1/4" = 1'-0" 16

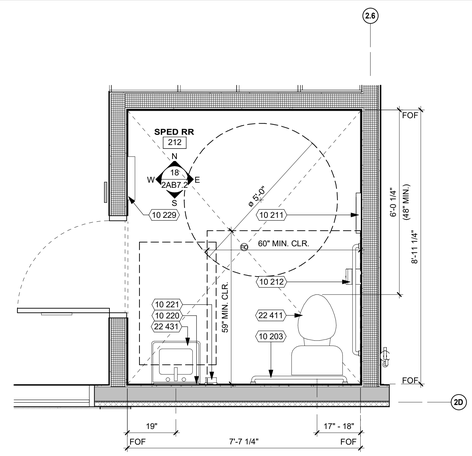


NOTE: PER CBC TABLE 11B-609.4, USE SUGGESTED DIMENSIONS FOR ADULTS.

210 - SPED RESTROOM - ENLARGED PLAN 1/2" = 1'-0" 6

NOTE: PER CBC TABLE 11B-609.4, USE SUGGESTED DIMENSIONS FOR ADULTS.

212 - SPED RESTROOM - INTERIOR ELEVATIONS 1/4" = 1'-0" 18



NOTE: PER CBC TABLE 11B-609.4, USE SUGGESTED DIMENSIONS FOR ADULTS.

212 - SPED RESTROOM - ENLARGED PLAN 1/2" = 1'-0" 8

KEYNOTES

NUMBER	NOTE
10 203	GRAB BAR (SEE DETAIL 11/A10.10.2)
10 211	TOILET SEAT COVER DISPENSER, SURFACE MOUNTED
10 212	TOILET PAPER DISPENSER, SURFACE MOUNTED
10 215	SANITARY NAPKIN DISPOSAL, SURFACE MOUNTED
10 220	MIRROR
10 221	SOAP DISPENSER, SURFACE MOUNTED
10 229	COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE, SEMI-RECESSED
22 411	FLOOR MOUNTED WATER CLOSET
22 431	LAVATORY

GENERAL NOTES

GENERAL
1. DIMENSIONS
   A. ALL MINIMUM CLEARANCE DIMENSIONS FOR PLUMBING FIXTURES ARE FROM FACE OF WALL FINISH TO CENTER OF FIXTURE, U.O.N.
   B. ALL DIMENSIONS MARKED "MIN. CLR" OR "CLR." ARE TO/ FROM FACE OF WALL FINISH (F.O.F.).
2. SEE FINISH PLAN FOR INTERIOR FINISHES.
3. PROVIDE GLASSMAT BACKER BOARD AT ALL TILED WALLS AND WALLS WITHIN 48" OF ANY PLUMBING FIXTURE
4. ALL DRINKING FOUNTAIN ALCOVES TO BE FINISHED WITH WATER RESISTANT WALL MATERIAL. SEE FINISH SCHEDULE AND INTERIOR ELEVATIONS.
5. ALL FLOOR SLOPES IN RESTROOMS ARE NOT TO EXCEED 1:48 IN ANY DIRECTION.
6. FOR FLOOR DRAIN, SEE DETAIL 4 / 2A10.10.3

ACCESSORIES
1. ALL RESTROOM FIXTURES AND ACCESSORIES MOUNTING HEIGHTS AND LOCATIONS TO USE DIMENSIONS BASED ON AGE GROUP NOTED ON ENLARGED RESTROOM PLANS.
2. FOR TYPICAL RESTROOM ACCESSORY MOUNTING HEIGHTS, ACCESSIBLE DIMENSIONS, SEE SHEET A10.10.2
3. TOILET ACCESSORIES LOCATED ON OR WITHIN WALLS SHALL BE INSTALLED AND SEALED TO PROTECT STRUCTURAL ELEMENTS FROM MOISTURE (CBC SECTION 1210.2.2)
4. PLUMBING FIXTURES TO HAVE SOLID BLOCKING AS REQUIRED BY CODE, SEE DETAIL 21 / 2A10.10.2
5. FOR MOP SINK WITH BROOM RACK, SEE DETAIL 3 / 2A10.10.3

STALLS AND PARTITIONS
1. ALL ACCESSIBLE TOILET PARTITION DOORS TO BE 36" WIDE MINIMUM AND ALL NON-ACCESSIBLE TOILET PARTITION DOORS SHALL NOT BE LESS THAN 2'-2".
2. PARTITION STILE WIDTHS SHALL NOT EXCEED 4".
3. FOR PARTITION DETAILS, SEE DETAIL 16 / 2A10.10.2
4. INSTALL (1) COAT HOOK CENTERED ON THE BACK OF EVERY STALL DOOR, 40" A.F.F. AT ACCESSIBLE STALLS AND 72" A.F.F. AT NON-ACCESSIBLE STALLS.
5. FLUSH VALVE TO BE LOCATED AT WIDE SIDE OF STALL/ SPACE.

LEGEND

- 60" DIAMETER ACCESSIBLE CLEAR SPACE
- 30" x 48" ACCESSIBLE CLEAR SPACE
- FLOOR DRAIN WITH SLOPED FLOOR, SEE DETAIL 4 / 2A10.10.2
- FRP1 PER FINISH SCHEDULE
- EPOXY WALL BASE SEE 14 / 2A10.10.2

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DATE: 07/31/2026

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ARCHITECT	ENGINEER

LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Ren. 8/30/27 STATE OF CALIFORNIA
DATE SIGNED: 07/13/2026

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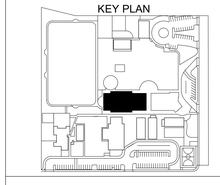
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
○ DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

CLASSROOM BLDG - TOILET ROOM PLANS AND ELEVATIONS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AB7.2
Drawn / Checked	
RR / CG	

PRINT DATE: 7/13/2026 4:25:29 PM
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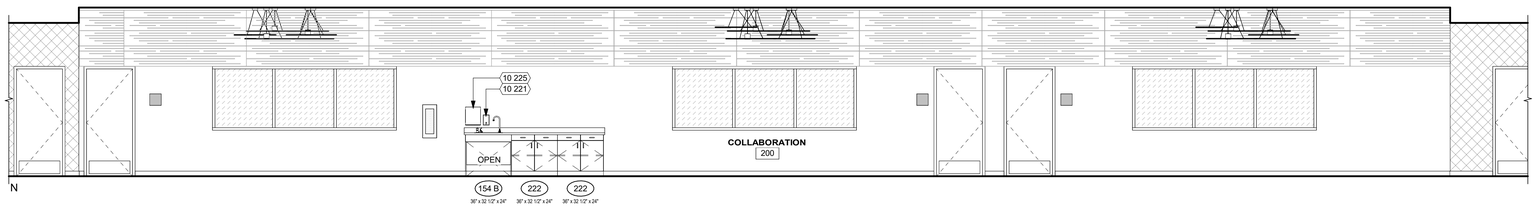
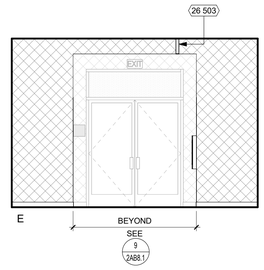
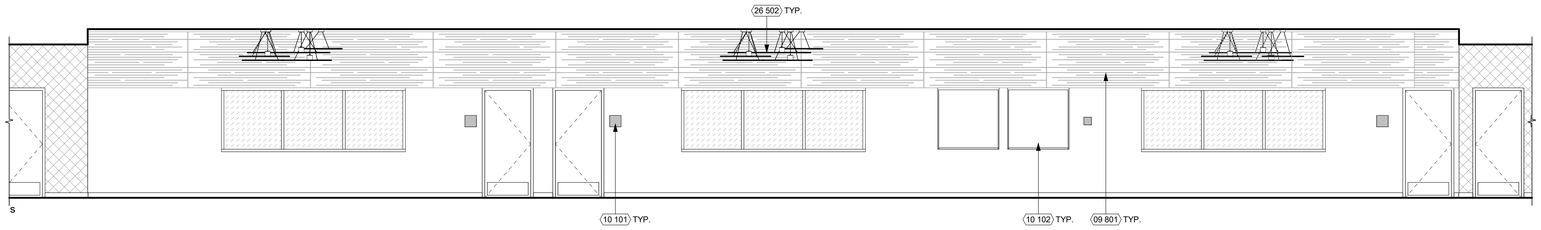
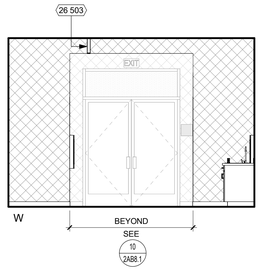
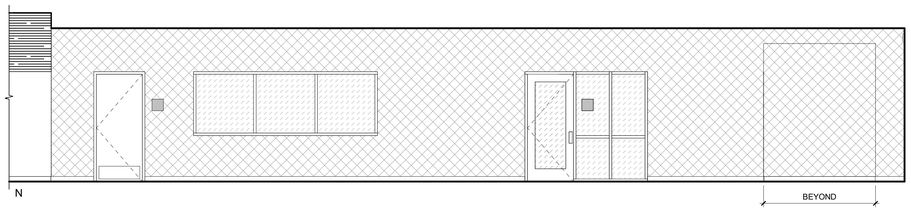


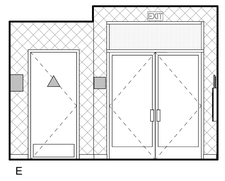


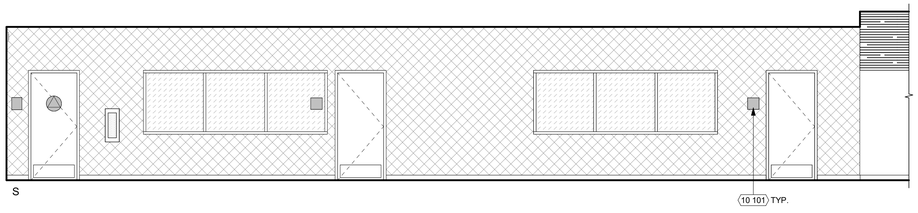




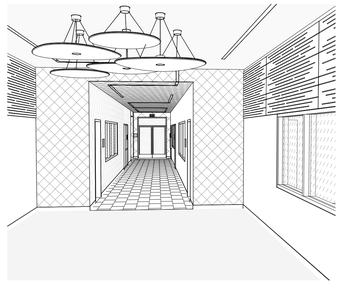
200 - COLLABORATION 1/4" = 1'-0" 7



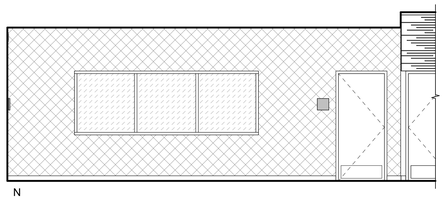


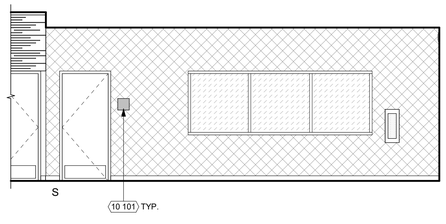


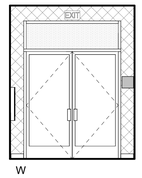
200.1 - HALLWAY 1/4" = 1'-0" 9



COLLABORATION & HALLWAY PERSPECTIVE 30







200.2 - HALLWAY 1/4" = 1'-0" 10

KEYNOTES

NUMBER	NOTE
09 801	ACOUSTIC WALL PANEL (SEE DETAIL 17/A10.10.3)
10 101	SIGNAGE (SEE CODE ANALYSIS PLAN)
10 102	MARKER BOARD WITH TRAY AND MAP HOOKS (SEE DETAIL 10/2A10.10.3)
10 221	SOAP DISPENSER, SURFACE MOUNTED
10 225	PAPER TOWEL DISPENSER, SURFACE MOUNTED
26 502	INTERIOR LIGHT FIXTURE (SEE ELECTRICAL DWGS.)
26 503	INTERIOR RECESSED WALL LIGHT FIXURE, ALIGN WITH CEILING LIGHT FIXTURE, TYP. BOTH SIDE (SEE ELECTRICAL DWGS.)

GENERAL NOTES

GENERAL
1. SEE ROOM FINISH SCHEDULE FOR FINISH INFORMATION AND LEGEND.
2. SEE REFLECTED CEILING PLANS FOR CEILING HEIGHTS AND FINISHES.
3. SEE FLOOR PLAN FOR WALL TYPES AND DOOR NUMBERS
4. FOR SIGNAGE TYPES, SEE CODE ANALYSIS FLOOR PLAN.

FINISHES
1. ALL GYPSUM BOARD CEILINGS AND SOFFITS TO BE P-1, UNLESS NOTED OTHERWISE.
2. ALL EXPOSED STRUCTURAL ROOF FRAMING TO BE PAINTED.
3. ALL ACCENT WALL PAINT TO BE TERMINATED AT EITHER INSIDE CORNER AND/ OR REVEALS.

EQUIPMENT
1. PROVIDE BACKING PLATES OR BLOCKING IN WALLS FOR ALL WALL MOUNTED EQUIPMENT SUCH AS SHELVING, MARKER BOARDS, AND DOOR STOPS. SEE DETAIL 21 / 2A10.10.2
2. ALL MILLWORK TO BE INSTALLED PRIOR TO FLOORING AND AFTER PAINT WORK. MILLWORK SHALL BE MOUNTED TO SUB-FLOOR. FOR TYPICAL CASEWORK ANCHORAGE, SEE DETAIL 2 / 2A10.12
3. PROVIDE FILLER PANEL BETWEEN WALL AND CABINETS, TYP. FILLER PANELS TO BE MINIMAL.
4. ALIGN ALL CASEWORK, MARKER BOARDS AND TACKABLE SURFACE WITH TOP OF DOORS, U.O.N.
5. FOR TYPICAL RESTROOM ACCESSORY MOUNTING HEIGHTS, ACCESSIBLE DIMENSIONS, SEE DETAIL 3 / 2A10.10.2

LEGEND

102 — 36" x 24" x 34" LOCKABLE

CASEWORK TAG
102 = ARCHITECTURAL WOODWORK STANDARD (AWS) NUMBER
36" x 24" x 24" = WIDTH x HEIGHT x DEPTH
LOCKABLE = MODIFYING NOTE

NOTE: FOR BASE CABINETS, HEIGHT DOES NOT INCLUDE COUNTERTOP THICKNESS - REFER TO FINISH SCHEDULE FOR COUNTERTOP TYPE

ALL COUNTERTOP BACKSPLASH TO BE 4" HIGH, U.N.O.

FOR TYPICAL CASEWORK ANCHORAGE, SEE DETAIL 2 / 2A10.12

P-1 - GYPSUM WALLBOARD PAINTED PER FINISH SCHEDULE

P-2 - GYPSUM WALLBOARD PAINTED PER FINISH SCHEDULE

PLY - PLYWOOD, PAINTED P1 PER FINISH SCHEDULE o/ GYPSUM WALLBOARD

FRP - FIBERGLASS REINFORCED PANELS o/ GYPSUM WALLBOARD, PER FINISH SCHEDULE

GLAZING PER WINDOW SCHEDULE

OPAQUE GLAZING PER WINDOW SCHEDULE

ACOUSTIC GLAZING PER WINDOW SCHEDULE

ELECTRICAL TERMINAL BOARD o/ GYPSUM WALLBOARD, SEE SPECIFICATIONS

EPOXY WALL BASE, SEE DETAIL 14 / 2A10.10.3

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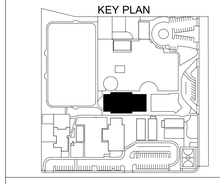
NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
○ DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

CLASSROOM BLDG - INTERIOR ELEVATIONS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AB8.1
Drawn / Checked	
RR / CG	

PRINT DATE: 7/13/2026 4:25:33 PM
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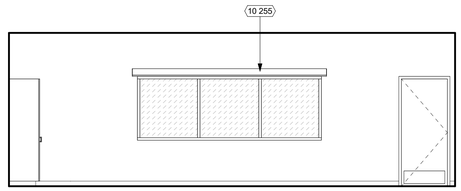
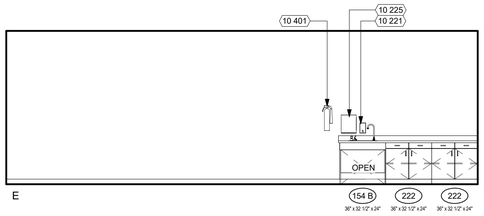
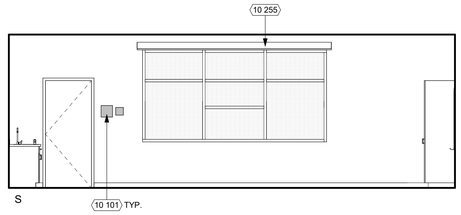
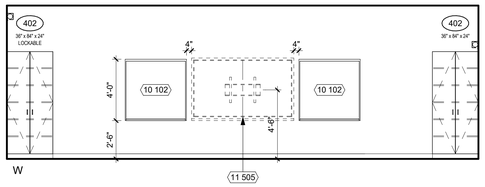
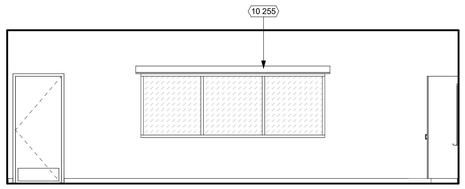


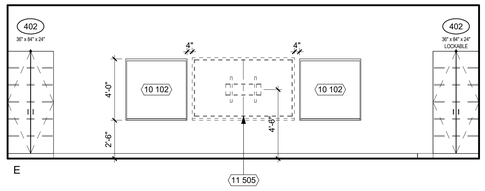


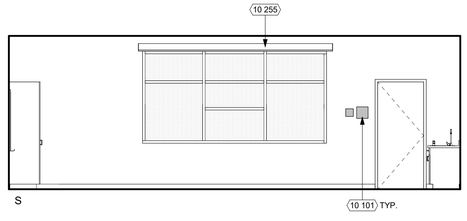


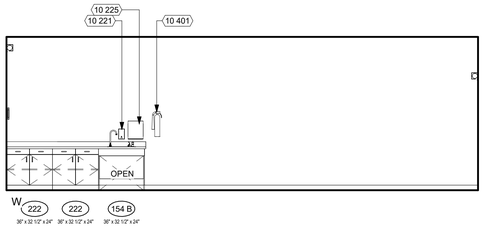


202 - TYPICAL CLASSROOM 1 - INTERIOR ELEVATIONS 1/4" = 1'-0" 7

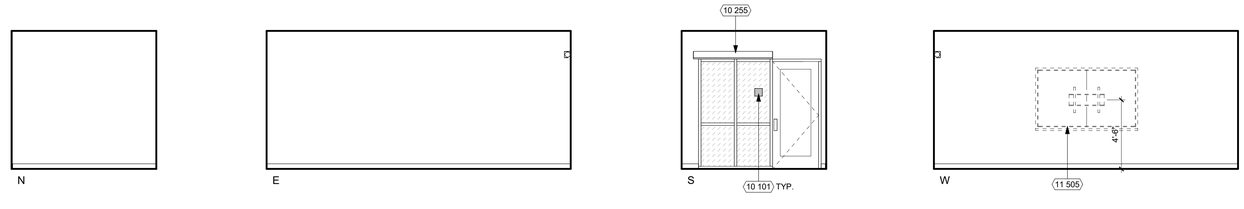








208 - TYPICAL CLASSROOM 2 - INTERIOR ELEVATIONS 1/4" = 1'-0" 9



213 - INTERVENTION ROOM - INTERIOR ELEVATIONS 1/4" = 1'-0" 10

KEYNOTES

NUMBER	NOTE
10 101	SIGNAGE (SEE CODE ANALYSIS PLAN)
10 102	MARKER BOARD WITH TRAY AND MAP HOOKS (SEE DETAIL 10/2A10.10.3)
10 221	SOAP DISPENSER, SURFACE MOUNTED
10 225	PAPER TOWEL DISPENSER, SURFACE MOUNTED
10 255	MANUAL-OPERATED WINDOW ROLLER SHADES AT HM FRAME WINDOW (SEE DETAIL 8/2A10.8.2)
10 401	FIRE EXTINGUISHER (2A-10B:C) ON WALL BRACKET MOUNT (SEE DETAIL 1/A10.10.3)
11 505	TELEVISION, O.F.O.I., 4" MAX DEPTH, CENTERED WITHIN WALL SPACE. PROVIDE BLOCKING (SEE DETAIL 16/2A10.12)

GENERAL NOTES

GENERAL
1. SEE ROOM FINISH SCHEDULE FOR FINISH INFORMATION AND LEGEND.
2. SEE REFLECTED CEILING PLANS FOR CEILING HEIGHTS AND FINISHES.
3. SEE FLOOR PLAN FOR WALL TYPES AND DOOR NUMBERS
4. FOR SIGNAGE TYPES, SEE CODE ANALYSIS FLOOR PLAN.

FINISHES
1. ALL GYPSUM BOARD CEILINGS AND SOFFITS TO BE P-1, UNLESS NOTED OTHERWISE.
2. ALL EXPOSED STRUCTURAL ROOF FRAMING TO BE PAINTED.
3. ALL ACCENT WALL PAINT TO BE TERMINATED AT EITHER INSIDE CORNER AND/ OR REVEALS.

EQUIPMENT
1. PROVIDE BACKING PLATES OR BLOCKING IN WALLS FOR ALL WALL MOUNTED EQUIPMENT SUCH AS SHELVING, MARKER BOARDS, AND DOOR STOPS. SEE DETAIL 21 / 2A10.10.2
2. ALL MILLWORK TO BE INSTALLED PRIOR TO FLOORING AND AFTER PAINT WORK. MILLWORK SHALL BE MOUNTED TO SUB-FLOOR. FOR TYPICAL CASEWORK ANCHORAGE, SEE DETAIL 2 / 2A10.12
3. PROVIDE FILLER PANEL BETWEEN WALL AND CABINETS, TYP. FILLER PANELS TO BE MINIMAL.
4. ALIGN ALL CASEWORK, MARKER BOARDS AND TACKABLE SURFACE WITH TOP OF DOORS, U.O.N.
5. FOR TYPICAL RESTROOM ACCESSORY MOUNTING HEIGHTS, ACCESSIBLE DIMENSIONS, SEE DETAIL 3 / 2A10.10.2

LEGEND

102 — 36" x 24" x 34" LOCKABLE

CASEWORK TAG
102 = ARCHITECTURAL WOODWORK STANDARD (AWS) NUMBER
36" x 24" = WIDTH x HEIGHT x DEPTH
LOCKABLE = MODIFYING NOTE

NOTE: FOR BASE CABINETS, HEIGHT DOES NOT INCLUDE COUNTERTOP THICKNESS - REFER TO FINISH SCHEDULE FOR COUNTERTOP TYPE

ALL COUNTERTOP BACKSPLASH TO BE 4" HIGH, U.N.O.

FOR TYPICAL CASEWORK ANCHORAGE, SEE DETAIL 2 / 2A10.12

P-1 - GYPSUM WALLBOARD PAINTED PER FINISH SCHEDULE

P-2 - GYPSUM WALLBOARD PAINTED PER FINISH SCHEDULE

PLY - PLYWOOD, PAINTED P1 PER FINISH SCHEDULE o/ GYPSUM WALLBOARD

FRP - FIBERGLASS REINFORCED PANELS o/ GYPSUM WALLBOARD, PER FINISH SCHEDULE

GLAZING PER WINDOW SCHEDULE

OPAQUE GLAZING PER WINDOW SCHEDULE

ACOUSTIC GLAZING PER WINDOW SCHEDULE

ELECTRICAL TERMINAL BOARD o/ GYPSUM WALLBOARD, SEE SPECIFICATIONS

EPOXY WALL BASE, SEE DETAIL 14 / 2A10.10.3

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ARCHITECT	ENGINEER

LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Ren. 8/30/27 STATE OF CALIFORNIA

DATE SIGNED: 07/13/2026

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REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
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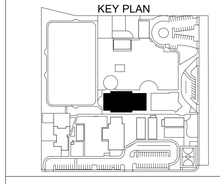
KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

CLASSROOM BLDG - INTERIOR ELEVATIONS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2AB8.2
Drawn / Checked	
RR / CG	

PRINT DATE: 7/13/2026 4:25:36 PM
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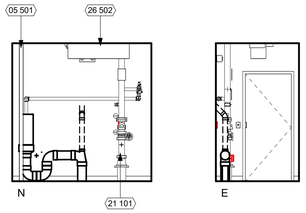
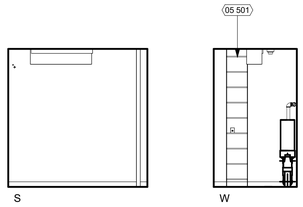
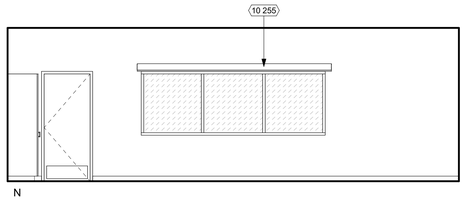
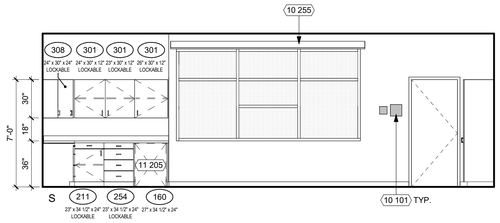
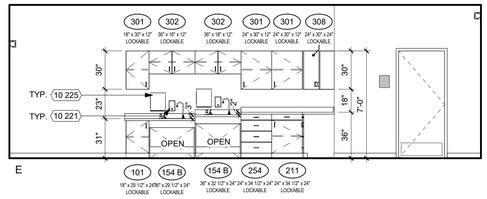


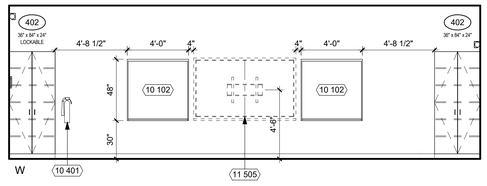


219 - FIRE RISER - INTERIOR ELEVATIONS 1/4" = 1'-0" 27

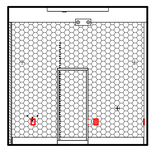


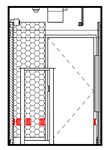


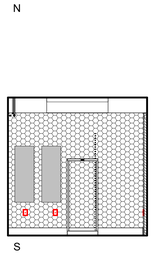


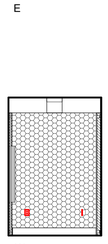


211 - TYPICAL SPED CLASSROOM - INTERIOR ELEVATIONS 1/4" = 1'-0" 7

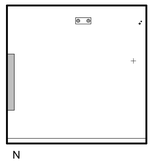


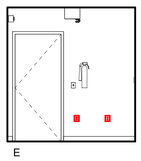


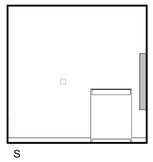


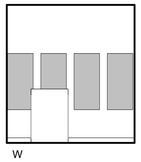


220 - IDF - INTERIOR ELEVATIONS 1/4" = 1'-0" 24

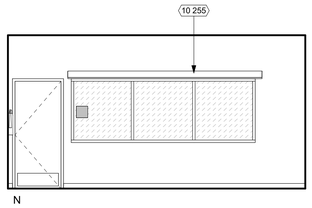


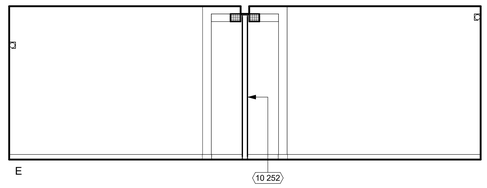


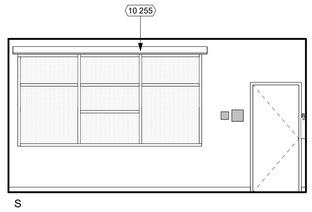


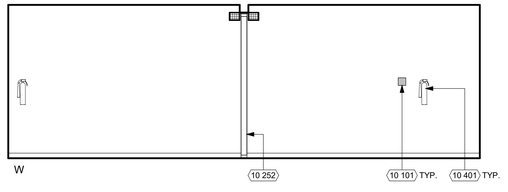


221 - ELECTRICAL ROOM - INTERIOR ELEVATIONS 1/4" = 1'-0" 25

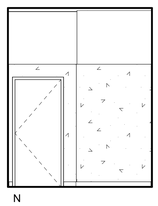


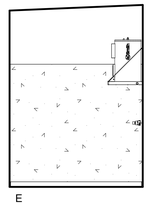


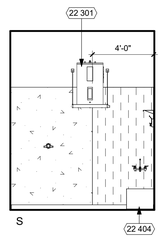


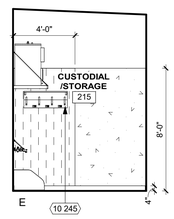


214 - RSP - INTERIOR ELEVATIONS 1/4" = 1'-0" 9









215 - CUSTODIAL/STORAGE - INTERIOR ELEVATIONS 1/4" = 1'-0" 10

KEYNOTES

NUMBER	NOTE
05 501	ROOF ACCESS LADDER (SEE DETAIL 2/2A10.7.1)
10 101	SIGNAGE (SEE CODE ANALYSIS PLAN)
10 102	MARKER BOARD WITH TRAY AND MAP HOOKS (SEE DETAIL 10/2A10.10.3)
10 221	SOAP DISPENSER, SURFACE MOUNTED
10 225	PAPER TOWEL DISPENSER, SURFACE MOUNTED
10 245	MOP AND BROOM HOLDER WITH SHELF
10 252	OPERABLE PARTITION, ACOUSTICAL W/ DOOR, TACKABLE SURFACE AND WHITEBOARD. SEE INTERIOR ELEVATIONS AND DETAIL 18/2A10.10.3
10 255	MANUAL-OPERATED WINDOW ROLLER SHADES AT HM FRAME WINDOW (SEE DETAIL 8/2A10.8.2)
10 401	FIRE EXTINGUISHER (2A-10B:C) ON WALL BRACKET MOUNT (SEE DETAIL 1/A10.10.3)
11 205	UNDER-COUNTER REFRIGERATOR (N.I.C.)
11 505	TELEVISION, O.F.O.I., 4" MAX DEPTH. CENTERED WITHIN WALL SPACE. PROVIDE BLOCKING (SEE DETAIL 16/2A10.12)
21 101	FIRE WATER RISER PIPE
22 301	WATER HEATER (SEE PLUMBING DWGS.)
22 404	MOP SINK (SEE DETAIL 3/A10.10.3)
26 502	INTERIOR LIGHT FIXTURE (SEE ELECTRICAL DWGS.)

GENERAL NOTES

GENERAL
1. SEE ROOM FINISH SCHEDULE FOR FINISH INFORMATION AND LEGEND.
2. SEE REFLECTED CEILING PLANS FOR CEILING HEIGHTS AND FINISHES.
3. SEE FLOOR PLAN FOR WALL TYPES AND DOOR NUMBERS
4. FOR SIGNAGE TYPES, SEE CODE ANALYSIS FLOOR PLAN.

FINISHES
1. ALL GYPSUM BOARD CEILINGS AND SOFFITS TO BE P-1, UNLESS NOTED OTHERWISE.
2. ALL EXPOSED STRUCTURAL ROOF FRAMING TO BE PAINTED.
3. ALL ACCENT WALL PAINT TO BE TERMINATED AT EITHER INSIDE CORNER AND/ OR REVEALS.

EQUIPMENT
1. PROVIDE BACKING PLATES OR BLOCKING IN WALLS FOR ALL WALL MOUNTED EQUIPMENT SUCH AS SHELVING, MARKER BOARDS, AND DOOR STOPS. SEE DETAIL 21 / 2A10.10.2
2. ALL MILLWORK TO BE INSTALLED PRIOR TO FLOORING AND AFTER PAINT WORK. MILLWORK SHALL BE MOUNTED TO SUB-FLOOR. FOR TYPICAL CASEWORK ANCHORAGE, SEE DETAIL 2 / 2A10.12
3. PROVIDE FILLER PANEL BETWEEN WALL AND CABINETS, TYP. FILLER PANELS TO BE MINIMAL.
4. ALIGN ALL CASEWORK, MARKER BOARDS AND TACKABLE SURFACE WITH TOP OF DOORS, U.O.N.
5. FOR TYPICAL RESTROOM ACCESSORY MOUNTING HEIGHTS, ACCESSIBLE DIMENSIONS, SEE DETAIL 3 / 2A10.10.2

LEGEND

102 — 36" x 24" x 24" LOCKABLE

CASEWORK TAG
102 = ARCHITECTURAL WOODWORK STANDARD (AWS) NUMBER
36" x 24" x 24" = WIDTH x HEIGHT x DEPTH
LOCKABLE = MODIFYING NOTE

NOTE: FOR BASE CABINETS, HEIGHT DOES NOT INCLUDE COUNTERTOP THICKNESS - REFER TO FINISH SCHEDULE FOR COUNTERTOP TYPE

ALL COUNTERTOP BACKSPLASH TO BE 4" HIGH, U.N.O.

FOR TYPICAL CASEWORK ANCHORAGE, SEE DETAIL 2 / 2A10.12

P-1 - GYPSUM WALLBOARD PAINTED PER FINISH SCHEDULE

P-2 - GYPSUM WALLBOARD PAINTED PER FINISH SCHEDULE

PLY - PLYWOOD, PAINTED P1 PER FINISH SCHEDULE o/ GYPSUM WALLBOARD

FRP - FIBERGLASS REINFORCED PANELS o/ GYPSUM WALLBOARD, PER FINISH SCHEDULE

GLAZING PER WINDOW SCHEDULE

OPAQUE GLAZING PER WINDOW SCHEDULE

ACOUSTIC GLAZING PER WINDOW SCHEDULE

ELECTRICAL TERMINAL BOARD o/ GYPSUM WALLBOARD, SEE SPECIFICATIONS

EPOXY WALL BASE, SEE DETAIL 14 / 2A10.10.3

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

Studio W Architects
1930 H Street
Sacramento, California 95811
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www.StudioW-Architects.com

ARCHITECT	ENGINEER
LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Ren. 12/31/27 STATE OF CALIFORNIA DATE SIGNED: 07/13/2026	

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	DATE
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KEY PLAN

FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
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CLASSROOM BLDG - INTERIOR ELEVATIONS

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Application Number	Drawing Number
02-123800	2AB8.3
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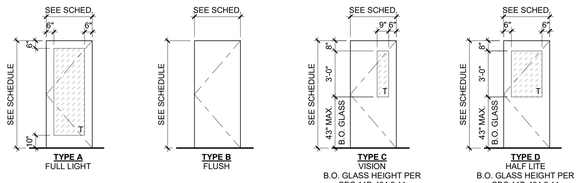
PRINT DATE: 7/13/2026 4:25:43 PM
FILE PATH: Autodesk Docs://25010 FCUSD Cordova Villa ES Mod/25010.1 - FCUSD Cordova Villa ES Mod - Phase 1.rvt

DOOR SCHEDULE

MARK	DOOR SIZE PAIR	DOOR SIZE PANEL WIDTH	DOOR SIZE HT	DOOR SIZE THK	DOOR TYPE	DOOR MAT.	DOOR FINISH	DOOR CORE	DOOR GLASS	DOOR LOUVER RATING	DOOR LOUVER HT	DOOR LOUVER WD	HDW GROUP	HDW PANIC	HDW CLOSER	HDW INT. LOCK	FRAME TYPE	FRAME MTL	FRAME FINISH	FRAME GLASS	FRAME DETAILS HEAD	FRAME DETAILS JAMB	FRAME DETAILS THRESHOLD	FRAME DETAILS OTHER	COMMENTS
100A	PR	3'-0"	7'-0"	1 3/4"	AA	AL	FF	INS/GL	DG/TG	-	-	-	05A		Y	Y	-	AL	FF	-	18/2A10.8.1	19/2A10.8.1	20/2A10.8.1		MOTORIZED AUTOMATIC DOOR OPENER W/ ACCESSIBLE PADDLE
100B	PR	3'-0"	7'-0"	1 3/4"	AA	AL	FF	INS/GL	DG/TG	-	-	-	05B		Y	Y	-	AL	FF	-	18/2A10.8.1	19/2A10.8.1	20/2A10.8.1		
101A	-	3'-0"	7'-0"	1 3/4"	A	AL	FF	INS/GL	DG/TG	-	-	-	01		Y		-	AL	FF	-	18/2A10.8.1	19/2A10.8.1	20/2A10.8.1		MOTORIZED AUTOMATIC DOOR OPENER W/ ACCESSIBLE PADDLE
102A	-	3'-0"	7'-0"	1 3/4"	A	AL	FF	INS/GL	CL/SP	-	-	-	13				-	AL	FF	-	18/2A10.8.1	19/2A10.8.1	20/2A10.8.1		
103A	-	3'-0"	7'-0"	1 3/4"	A	AL	FF	INS/GL	CL/SP	-	-	-	13				-	AL	FF	-	18/2A10.8.1	19/2A10.8.1	20/2A10.8.1		
104A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	07				A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		PROVIDE 1" UNDERCUT FOR VENTILATION
105A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	19		Y		B	HM	P	CL/SP	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
106A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	13		Y		A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
107A	-	3'-0"	7'-0"	1 3/4"	A	AL	FF	INS/GL	CL/SP	-	-	-	10				-	AL	FF	-	18/2A10.8.1	19/2A10.8.1	20/2A10.8.1		
108A	-	3'-0"	7'-0"	1 3/4"	A	HM/GL	P	INS/GL	CL/SP	-	-	-	10				A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
109A	-	3'-0"	7'-0"	1 3/4"	A	AL	FF	INS/GL	DG/TG	-	-	-	01		Y		-	AL	FF	-	18/2A10.8.1	19/2A10.8.1	20/2A10.8.1		
109B	-	3'-0"	7'-0"	1 3/4"	A	AL	FF	INS/GL	DG/TG	-	-	-	01		Y		-	AL	FF	-	18/2A10.8.1	19/2A10.8.1	20/2A10.8.1		
110A	-	3'-0"	7'-0"	1 3/4"	C	HM/GL	P	HM/GL	CL/SP	-	-	-	16				A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
111A	-	3'-0"	7'-0"	1 3/4"	A	AL	FF	INS/GL	CL/SP	-	-	-	13				-	AL	FF	-	18/2A10.8.1	19/2A10.8.1	20/2A10.8.1		
112A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	10				B	HM	P	CL/SP	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
113A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	07				A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		PROVIDE 1" UNDERCUT FOR VENTILATION
114A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	17				A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
115A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	10				B	HM	P	CL/SP	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
116A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	07		Y	Y	A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
117A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	10				B	HM	P	CL/SP	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
118A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	10				A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
119A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	10				B	HM	P	CL/SP	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
120A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	10				B	HM	P	CL/SP	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
121A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	10				B	HM	P	CL/SP	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
122A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	10				B	HM	P	CL/SP	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
123A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	10				B	HM	P	CL/SP	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
124A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	10				B	HM	P	CL/SP	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
125A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	12		Y		B	HM	P	CL/SP	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
125B	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	02		Y		A	HM	P	-	8/2A10.8.1	9/2A10.8.1	10/2A10.8.1		
126A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	02		Y		A	HM	P	-	8/2A10.8.1	9/2A10.8.1	10/2A10.8.1		
127A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	09		Y	Y	A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		PROVIDE 1" UNDERCUT FOR VENTILATION
128A	-	3'-0"	7'-0"	1 3/4"	C	HM/GL	P	HM/GL	CL/SP	-	-	-	11		Y		A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
128B	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	02		Y		A	HM	P	-	8/2A10.8.1	9/2A10.8.1	10/2A10.8.1		
129A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	16				A	HM	P	-	3/2A10.8	3/2A10.8	5/2A10.8.1		
130A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	11		Y		B	HM	P	CL/SP	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
130B	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	11		Y		B	HM	P	CL/SP	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
131A	PR	3'-0"	7'-0"	1 3/4"	AA	AL	FF	INS/GL	DG/TG	-	-	-	05	P	Y		-	AL	FF	-	18/2A10.8.1	19/2A10.8.1	20/2A10.8.1		
131B	-	3'-0"	7'-1"	1 3/4"	A	AL	FF	INS/GL	DG/TG	-	-	-	01	P	Y		-	AL	FF	-	18/2A10.8.1	19/2A10.8.1	20/2A10.8.1		
131C	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	90 MIN	-	-	15		Y		A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
132A	-	3'-0"	7'-0"	1 3/4"	A	AL	FF	INS/GL	CL/SP	-	-	-	14				-	AL	FF	-	18/2A10.8.1	19/2A10.8.1	20/2A10.8.1		
133A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	11		Y		B	HM	P	CL/SP	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
134A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	02		Y		A	HM	P	-	8/2A10.8.1	9/2A10.8.1	10/2A10.8.1		
200A	PR	3'-0"	7'-0"	1 3/4"	AA	AL	FF	INS/GL	DG/TG	-	-	-	05	P	Y	Y	-	AL	FF	-	18/2A10.8.1	19/2A10.8.1	20/2A10.8		
200B	PR	3'-0"	7'-0"	1 3/4"	AA	AL	FF	INS/GL	DG/TG	-	-	-	05	P	Y	Y	-	AL	FF	-	18/2A10.8.1	19/2A10.8.1	20/2A10.8		
201A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	21		Y	Y	A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
201B	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	03		Y	Y	A	HM	P	-	8/2A10.8.1	9/2A10.8.1	10/2A10.8.1		
202A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	21		Y	Y	A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
202B	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	03		Y	Y	A	HM	P	-	8/2A10.8.1	9/2A10.8.1	10/2A10.8		
203A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	21		Y	Y	A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
203B	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	03		Y	Y	A	HM	P	-	8/2A10.8.1	9/2A10.8.1	10/2A10.8.1		
204A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	21		Y	Y	A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
204B	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	03		Y	Y	A	HM	P	-	8/2A10.8.1	9/2A10.8.1	10/2A10.8.1		
205A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	23		Y	Y	A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
205B	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	03		Y	Y	A	HM	P	-	8/2A10.8.1	9/2A10.8.1	10/2A10.8.1		
206A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	23		Y	Y	A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
206B	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	03		Y	Y	A	HM	P	-	8/2A10.8.1	9/2A10.8.1	10/2A10.8.1		
207A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	23		Y	Y	A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
207B	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	03		Y	Y	A	HM	P	-	8/2A10.8.1	9/2A10.8.1	10/2A10.8.1		
208A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	23		Y	Y	A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
208B	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	03		Y	Y	A	HM	P	-	8/2A10.8.1	9/2A10.8.1	10/2A10.8.1		
209A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	21		Y	Y	A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
209B	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	03		Y	Y	A	HM	P	-	8/2A10.8.1	9/2A10.8.1	10/2A10.8.1		
210A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	08		Y	Y	A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		PROVIDE 1" UNDERCUT FOR VENTILATION
211A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	21		Y	Y	A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
211B	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	03		Y	Y	A	HM	P	-	8/2A10.8.1	9/2A10.8.1	10/2A10.8.1		
212A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	08		Y	Y	A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		PROVIDE 1" UNDERCUT FOR VENTILATION
213A	-	3'-0"	7'-0"	1 3/4"	A	AL	FF	INS/GL	CL/SP	-	-	-	18		Y		-	AL	FF	-	18/2A10.8.1	19/2A10.8.1	20/2A10.8.1		
214A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	22		Y	Y	A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		
214B	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	03		Y	Y	A	HM	P	-	8/2A10.8.1	9/2A10.8.1	10/2A10.8.1		
215A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	03		Y		A	HM	P	-	8/2A10.8.1	9/2A10.8.1	10/2A10.8.1		
216A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	02		Y		A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		PROVIDE 1" UNDERCUT FOR VENTILATION
216B	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	06		Y		C	HM	P	LV	8/2A10.8.1	9/2A10.8.1	10/2A10.8.1		PROVIDE LOUVER IN TRANSOM ABOVE DOOR
217A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	02		Y		A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		PROVIDE 1" UNDERCUT FOR VENTILATION
217B	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	06		Y		C	HM	P	LV	8/2A10.8.1	9/2A10.8.1	10/2A10.8.1		PROVIDE LOUVER IN TRANSOM ABOVE DOOR
218A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	09		Y	Y	A	HM	P	-	3/2A10.8.1	3/2A10.8.1	5/2A10.8.1		PROVIDE 1" UNDERCUT FOR VENTILATION
219A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	02		Y		A	HM	P	-	8/2A10.8.1	9/2A10.8.1	10/2A10.8.1		
220A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	04		Y		A	HM	P	-	8/2A10.8.1	9/2A10.8.1	10/2A10.8.1		
221A	-	3'-0"	7'-0"	1 3/4"	B	HM	P	HM	-	-	-	-	04		Y		A	HM	P	-	8/2A10.8.1	9/2A10.8.1	10/2A10.8.1		

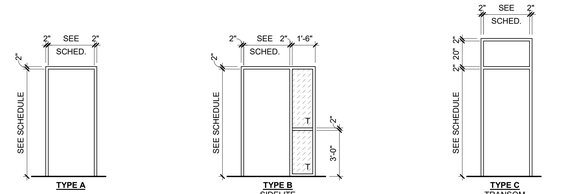
DOOR TYPES

NOTE:
1. DOOR TYPES WITH TWO LETTER DESIGNATIONS INDICATES A PAIR OF THE SINGLE DOOR TYPE DESIGNATION.
2. DOOR GLAZING TO BE LAMINATED OR TEMPERED. SEE DOOR SCHEDULE.



DOOR FRAME TYPES

NOTE:
1. FRAME GLAZING TO BE LAMINATED OR TEMPERED. SEE DOOR SCHEDULE.



DOOR GENERAL NOTES

MATERIALS AND FINISHES
1. MATERIALS, FINISHES AND INSTALLATION OF PRODUCTS REFERENCED IN THE DOOR SCHEDULE SHALL BE IN ACCORDANCE WITH REQUIREMENTS SPECIFIED IN THE RESPECTIVE PRODUCT SECTIONS IN THE PROJECT MANUAL.
2. REFER TO WALL PARTITION TYPES AS INDICATED ON DRAWINGS TO DETERMINE FRAME DEPTH.
3. VERIFY ALL MASONRY OR STUD OPENINGS PRIOR TO FABRICATION OF FRAME, EXACT SIZES AND CONFIGURATIONS OF ALL DOOR AND WINDOW SECTIONS SHALL BE VERIFIED ON THE SITE PRIOR TO FABRICATION.
4. TYPICAL DOOR BEVEL TO BE 1/8" IN 2" U.O.N. BY HARDWARE TEMPLATE REQUIREMENTS.
5. THE BOTTOM 10" OF ALL DOORS, EXCEPT AUTOMATIC AND SLIDING SHALL HAVE SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST.
6. ADJUST DOOR FRAME OPENING SIZES AS NECESSARY TO REFLECT VARIATIONS IN THE STRUCTURAL SLAB AND VARYING THICKNESS OF THE FLOOR FINISHES.
7. ALL ALUMINUM FRAMES, ALUMINUM STOREFRONT, ALUMINUM DOORS TO BE PAINTED WITH FLUOROPOLYMER PAINT FINISH, COLOR AS SCHEDULED.
8. WEATHERSTRIP ALL EXTERIOR DOORS.
9. FRAMES FOR EXTERIOR DOORS AND WINDOWS SHALL BE SET IN SEALANT.

GLAZING
1. GLASS TYPES REFERENCED IN DOOR SCHEDULE ARE SPECIFIED IN SECTION 'GLAZING'. ALL GLAZING TO BE TEMPERED. SAFETY GLAZING TO COMPLY WITH CBC SECTION 2406.

FIRE RATED DOORS
1. AT RATED DOORS, PROVIDE ASSEMBLY PER CBC 716.5 WITH GLAZING PER 2022 CBC 716.5.9 COMPLYING WITH NFPA 80 AND WITH MAX. TESTING SIZE PER NFPA 252.
2. ALL FIRE DOORS SHALL HAVE SMOKE AND DRAFT CONTROL PER 2022 CBC 716.5.3.1.
3. ALL FIRE DOORS SHALL BE EQUIPPED WITH AUTOMATIC LATCHES.
4. ALL FIRE DOORS SHALL BE EQUIPPED WITH AUTOMATIC OR SELF CLOSING FIRE ASSEMBLIES PER 2022 CBC 716.5.9.
5. IF THE OPENING CONTAINS A DOOR AND NO SIDELIGHT, THE RATING OF THE FRAME SHALL MATCH THE RATING OF THE DOOR. IF THE OPENING CONTAINS A DOOR AND A SIDELIGHT, OR IF THE OPENING CONTAINS A WINDOW, THE RATING OF THE FRAME SHALL MATCH THE RATING OF THE GLAZING.
6. FIRE-RATED DOOR FRAMES SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS. MANUFACTURER'S PRINTED INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTION AUTHORITY. 2022 CBC 716.5.7 AND 716.5.7.1
7. WHERE RATED OPENINGS OCCUR, PROVIDE ASSEMBLIES THAT HAVE BEEN TESTED BY A NATIONALLY RECOGNIZED TESTING AGENCY. INCLUDES ASSEMBLY COMPONENTS SUCH AS GLAZING, DOORS AND HARDWARE.
8. IDENTIFICATION OF FIRE DOORS, FIRE WINDOWS AND FIRE DAMPERS SHALL HAVE AN APPROVAL LABEL OR LISTING MARK INDICATING THE FIRE-PROTECTION RATING, WHICH IS PERMANENTLY AFFIXED AT THE FACTORY WHERE FABRICATION AND ASSEMBLY ARE DONE.
9. PROVIDE MARKINGS AT ALL RATED GLAZING AND FRAMES PER 2022 CBC 716.3
10. RATED DOORS SHALL HAVE AN UNDERCUT NOT EXCEEDING MAX. ALLOWABLE PER NFPA 80, SECTION 4.8.4.1 (3/4" MAX.)

EXITING AND PATH OF TRAVEL
1. EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
2. MAXIMUM FORCE TO PUSH OR PULL OPEN A DOOR (11B-404.2.9) SHALL NOT EXCEED 5 LBS FOR BOTH INTERIOR AND EXTERIOR DOORS. REQUIRED FIRE DOORS: THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 POUNDS (66.7 N).
3. ALL REQUIRED EXIT DOORS SHALL BE SIZED NOT LESS THAN 3'-0" WIDE AND 6'-8" HIGH AND BE CAPABLE OF OPENING 90 DEG. AND MOUNTED SO THAT THE CLEAR WIDTH OF THE EXIT WAY IS 32" MIN., U.O.N.
4. ALL REQUIRED EXIT DOORS SHALL SWING IN THE DIRECTION OF TRAVEL.
5. THE FLOOR OR LANDING LENGTH ON EACH SIDE OF AN EXIT DOOR SHALL BE LEVEL (<2% MAX. SLOPE) AND CLEAR AT LEAST 60 INCHES IN THE DIRECTION OF THE DOOR SWING (PULL SIDE) AND 48 INCHES ON THE PUSH SIDE, WHEN MEASURED AT RIGHT ANGLES FROM DOOR IN CLOSED POSITION. THE CLEAR WIDTH SHALL EXTEND 24 INCHES BEYOND THE STRIKE ON THE PULL SIDE OF ALL EXTERIOR EXIT DOORS AND 18 INCHES FOR INTERIOR EXIT DOORS. THE CLEAR WIDTH SHALL EXTEND 12 INCHES BEYOND THE STRIKE EDGE OF THE PUSH SIDE OF ALL EXIT DOORS. DOORS SHALL BE EQUIPPED WITH BOTH A LATCH AND CLOSER. SEE DETAIL 1 / 2A10.8.1
6. LATCHING AND LOCKING DOORS THAT ARE HAND-ACTIVATED AND WHICH ARE IN THE PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVEL-TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATED BARS OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE.

HARDWARE
1. HAND ACTIVATED HARDWARE SHALL BE BETWEEN 34" AND 44" A.F.F. COORDINATE MOUNTING HEIGHT. DO NOT TO OBSTRUCT DOOR VISION LIGHT WHERE OCCURS.
2. PANIC HARDWARE SHALL BE PROVIDED ON EXIT DOORS SERVING AN OCCUPANT LOAD OF 50 OR MORE. PROVIDE WALL OR FLOOR MOUNTED DOOR STOPS FOR ALL DOORS. LOCATE FLOOR MOUNTED DOOR STOP WITHIN 4" MAX. OF WALL. PROVIDE BACKING AT ALL WALL MOUNTED DOOR STOPS.
3. PROVIDE NON-REMOVABLE PINS ON ALL HINGES ACCESSIBLE FROM THE EXTERIOR.
4. PROVIDE CYLINDER GUARDS ON ALL MORTISED OR RIM TYPE CYLINDER LOCKS WHICH PROJECT BEYOND THE FACE OF THE DOOR.
5. DOOR CLOSERS SHALL CONFORM WITH 2022 CBC 11B-404.2.8.1
6. DOORS TO INCLUDE FACTORY INSTALLED MAGNETIC CONTACTS, 3/8" RECESSED PRESS FIT, COLOR TO MATCH WINDOW FRAME, AT ALL CLASSROOM DOORS, SEE MECHANICAL.
7. ELECTRIFIED HARDWARE: COORDINATE ALL ELECTRICAL REQUIREMENTS WITH DIVISIONS 26 AND 27
8. NEW BUILDINGS SERVING K-12, CONSTRUCTED WITH STATE FUNDS, ON NEW OR EXISTING CAMPUSES WITH INDIVIDUAL ROOMS WITH AN OCCUPANT LOAD OF 5 OR MORE AND BUILDING ENTRANCES SHALL BE EQUIPPED WITH INTERIOR LOCKING DOOR HARDWARE PER AB-211 (EXCEPT PUPIL RESTROOMS). THIS REQUIREMENT APPLIES REGARDLESS OF OCCUPANCY CLASSIFICATION (ADMIN., PRESS BOXES, ETC.), AND IS APPLICABLE TO "LEASE-BACK" PROJECTS. PROVIDE A COPY OF THE MANUFACTURER'S CUT SHEETS AND HARDWARE LISTING FOR REVIEW. (REF: 17075.50 (a) (b), CAL. ED. CODE).
9. KICKPLATES PER HARDWARE GROUPS, SEE DETAIL 6 / 2A10.8.1

ABBREVIATIONS

CORE:
GL GLASS
INS INSULATED
SC SOLID CORE
SCWD SOLID CORE WOOD

DOOR PANEL FINISH:
FF FACTORY FINISH - DARK BRONZE ANODIZED
P# PAINTED - SEE FINISH SCHEDULE

DOOR / WINDOW FRAME FINISH:
FF FACTORY FINISH - DARK BRONZE ANODIZED
P# PAINTED - SEE FINISH SCHEDULE

DOOR PANEL / FRAME MATERIAL:
AL ALUMINUM
CL CHAIN LINK
HM HOLLOW METAL
PC POWDER COATED
STL STEEL
VN WOOD VENEER, TRANSPARENT FINISH
WD WOOD

HARDWARE:
P PANIC - SEE ALSO CODE ANALYSIS PLAN

REMARKS:
T TEMPERED, CATEGORY II
(CATEGORY I AND II CLASSIFACTIONS PER CBC SECTION 2406)

GLAZING TYPE (SEE SPECIFICATION SECTION 08 80 00):
CL CLEAR LAMINATED ACOUSTIC GLAZING
DG DUAL GLAZING, 1" THICK INSULATED UNIT
(2) 1/4" GLAZING PANES WITH AIR GAP
SP SINGLE PANE GLAZING
(1) 1/4" THICK GLAZING PANE
TG TINTED GLAZING
WS WIREFIRE GLAZING
LV LOUVER, IN LIEU OF GLAZING

FOR SPECIFIC FINISHES REFER TO MATERIAL LEGEND ON ROOM FINISH SCHEDULE SHEET.

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

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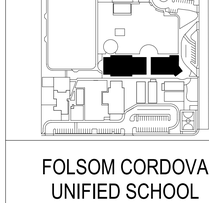
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

DOOR SCHEDULE

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2A9.1
Drawn / Author	Checked / Checker

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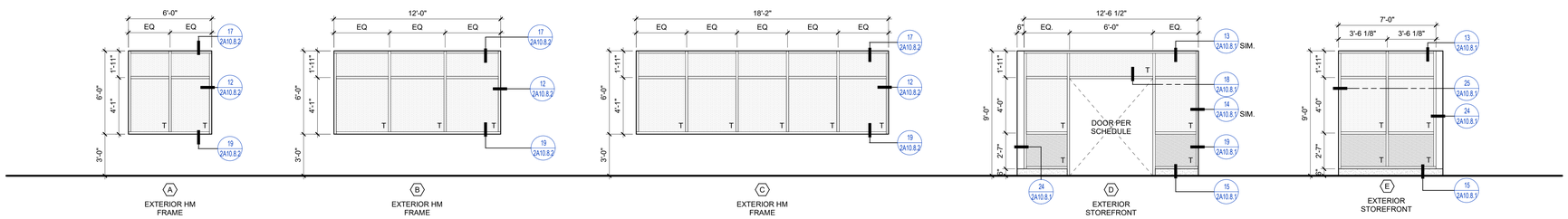

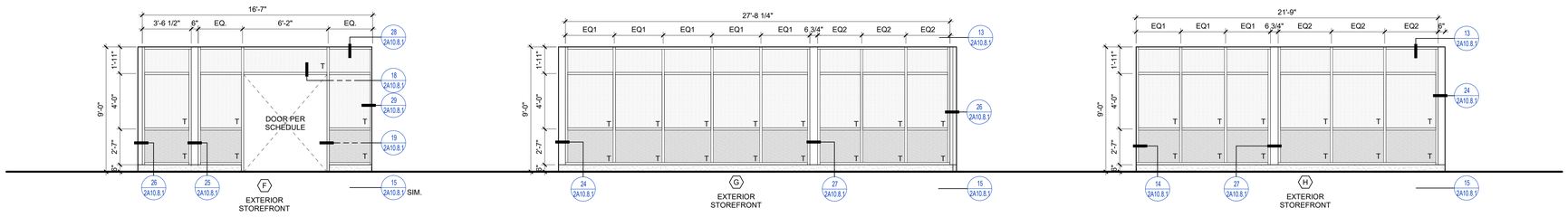

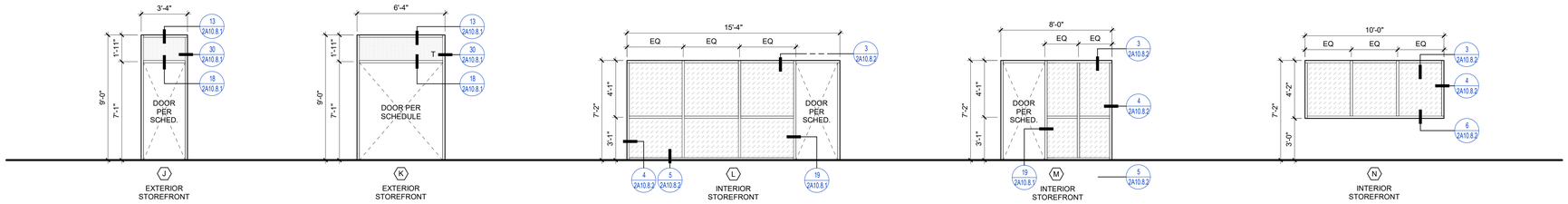

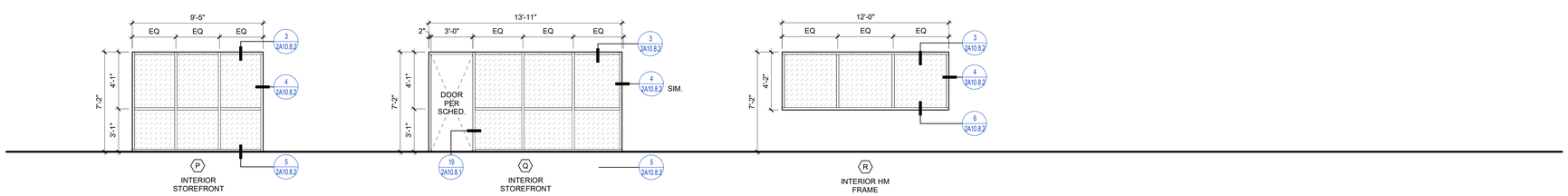

WINDOW GENERAL NOTES

GENERAL
1. REFERENCE OF WINDOWS ARE MADE ON THE FLOOR PLANS, TYP.
2. ALL WINDOWS SHALL BE RATED STC 35 MINIMUM.
3. SAFETY GLAZING SHALL COMPLY WITH CBC SECTION 2406.
4. AT OPERABLE WINDOWS, PROVIDE LIMITER DEVICE TO STOP WINDOW FROM PROTRUDING MORE THAN 4" INTO SPACE BELOW 80 INCHES A.F.F. WHEN OPENED.
5. FOR TYPICAL MULLION DETAILS SEE 16 / 2A10.8.1 AND 17 / 2A10.8.1
6. ALL WINDOWS SHALL COMPLY WITH CALIFORNIA ENERGY CODE SECTION 110.6 - MANDATORY REQUIREMENTS FOR FENESTRATION PRODUCTS AND EXTERIOR DOORS.

SIZING
1. ALL WINDOWS ARE BASED ON NOMINAL 2" WINDOW PROFILE.
2. ALL OVERALL DIMENSIONS CORRESPOND TO WINDOW ROUGH OPENINGS UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO COORDINATE ROUGH OPENING SIZE WITH REQUIRED SHIM SPACERS AND FINISH FRAME DIMENSION.
4. ALL ROUGH OPENING DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO WINDOW FABRICATION.

GLAZING
1. ALL GLAZING TO BE TEMPERED UNLESS OTHERWISE NOTED.
   A. ANY WINDOW SECTION WHOSE NEAREST VERTICAL EDGE IS WITHIN 24" FROM A DOOR IN CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60" ABOVE THE WALKING SURFACE SHALL BE TEMPERED.
   B. ANY WINDOW SECTION WHERE THE LOWEST EDGE OF THE GLAZING MATERIAL IS LESS THAN 18" ABOVE THE FLOOR AND WHOSE TOP EDGE IS GREATER THAN 36" ABOVE THE FLOOR AND WHERE THE SECTION IS GREATER THAN 9 SF AND IS WITHIN 36" HORIZONTALLY OF A WALKING SURFACE SHALL BE TEMPERED.

ABBREVIATIONS

CORE:
GL GLASS
INSUL INSULATED
SC SOLID CORE
SCWD SOLID CORE WOOD

DOOR PANEL FINISH:
FF FACTORY FINISH - DARK BRONZE ANODIZED
P# PAINTED - SEE FINISH SCHEDULE

DOOR / WINDOW FRAME FINISH:
FF FACTORY FINISH - DARK BRONZE ANODIZED
P# PAINTED - SEE FINISH SCHEDULE

DOOR PANEL / FRAME MATERIAL:
AL ALUMINUM
CL CHAIN LINK
HM HOLLOW METAL
PC POWDER COATED
STL STEEL
VN WOOD VENEER, TRANSPARENT FINISH
WD WOOD

HARDWARE:
P PANIC - SEE ALSO CODE ANALYSIS PLAN

REMARKS:
T TEMPERED, CATEGORY II
(CATEGORY I AND II CLASSIFACTIONS PER CBC SECTION 2406)

GLAZING TYPE (SEE SPECIFICATION SECTION 08 80 00):
CL CLEAR LAMINATED
DG DUAL GLAZING, 1" THICK INSULATED UNIT
(2) 1/4" GLAZING PANES WITH AIR GAP
SG SPANDREL GLAZING
SP SINGLE PANE GLAZING
(1) 1/4" THICK GLAZING PANE
TG TINTED GLAZING
WS WIREFIRE GLAZING
LV LOUVER, IN LIEU OF GLAZING

FOR SPECIFIC FINISHES REFER TO MATERIAL LEGEND ON ROOM FINISH SCHEDULE SHEET.

WINDOW SCHEDULE

MARK	FUNCTION	FRAME FINSH	FRAME TYPE	FRAME SET	GLASS	GLASS STOP LOCATION	FIRE RATING	COMMENTS
A	Exterior	PT	HM	FRONT	DG/TG	OUTSIDE		
A: 8								
B	Exterior	PT	HM	FRONT	DG/TG	OUTSIDE		
B: 14								
C	Exterior	PT	HM	FRONT	DG/TG	OUTSIDE		
C: 1								
D	Exterior	FF	AL	FRONT	DG/TG/SG			
D: 1								
E	Exterior	FF	AL	FRONT	DG/TG/SG			
E: 1								
F	Exterior	FF	AL	FRONT	DG/TG/SG			
F: 2								
G	Exterior	FF	AL	FRONT	DG/TG/SG			
G: 2								
H	Exterior	FF	AL	FRONT	DG/TG/SG			
H: 2								
J	Exterior	FF	AL	FRONT	DG/TG			
J: 4								
K	Exterior	FF	AL	FRONT	DG/TG			
K: 3								
L	Interior	FF	AL	CENTER	AG/SP			
L: 1								
M	Interior	FF	AL	CENTER	AG/SP			
M: 4								
N	Interior	FF	AL	CENTER	AG/SP			
N: 1								
P	Interior	FF	AL	CENTER	AG/SP			
P: 1								
Q	Interior	FF	AL	CENTER	AG/SP			
Q: 1								
R	Interior	PT	HM	FRONT	AG/SP	OUTSIDE		
R: 11								

LEGEND

TINTED INSULATING VISION GLAZING

SPANDREL GLAZING

CLEAR LAMINATED ACOUSTICAL GLAZING, TEMPER NOT REQUIRED

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DATE: 07/31/2026

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ARCHITECT	ENGINEER

LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Rene. 8/30/27 STATE OF CALIFORNIA
DATE SIGNED: 07/13/2026

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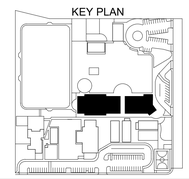
KEY PLAN



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WINDOW SCHEDULE

Date 07/13/2026
Project Number 25010.1
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Drawing Number 2A9.2
Drawn Author
Checked Checker

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ROOM FINISH SCHEDULE

ROOM		FLOOR		WALLS					CASEWORK			CEILING	COMMENTS
NO.	NAME	MATERIAL	BASE	NORTH (N)	EAST (E)	SOUTH (S)	WEST (W)	WAINSCOT	BASE	UPPER	COUNTER		
100	ENTRY	CPT-2	RB	P-2	-	-	-					P-1	
100B	WAITING	LVT	RB	P-2	P-1	P-1	P-1					P-1	
101	HALLWAY	LVT / CPT-2	RB	P-1	P-1	P-1	P-1					ACT-2	
102	SMALL CONFERENCE ROOM	CPT-1	RB	P-1	P-1	P-1	P-1					ACT-1	
103	INSTRUCTIONAL COACH	CPT-1	RB	P-1	P-1	P-1	P-1					ACT-1	
104	RESTROOM	EPX	EPX	FRP	FRP	FRP	FRP					P-1	
105	RECEPTION/ CLERICAL	CPT-1 / LVT	RB	P-1	P-1	P-1	P-1		PL-1 / PL-2	-	SS-1	P-1/ACT-2	
106	CUMM FILE STORAGE	LVT	RB	P-1	P-1	P-1	P-1					ACT-1	
107	AP	CPT-1	RB	P-1	P-1	P-1	P-1					ACT-1	
108	PRINCIPAL	CPT-1	RB	P-1	P-1	P-1	P-1					ACT-1	
109	HALLWAY	LVT / CPT-2	RB	P-1	P-1	P-1	P-1					ACT-2	
110	PRINT/ STORAGE	CPT-1	RB	P-1	P-1	P-1	P-1		PL-1	PL-1	PL-C	ACT-1	
111	HEALTH ROOM	EPX	RB	VWC	VWC	VWC	VWC		PL-1	PL-1	PL-C	ACT-1	
112	NURSE OFFICE	LVT	RB	P-1	P-1	P-1	P-1					ACT-1	
113	HEALTH RR	EPX	EPX	FRP	FRP	FRP	FRP					P-1	
114	MDF	LVT	RB	ETB/P-1	ETB/P-1	ETB/P-1	ETB/P-1					NC	
115	OUTSIDE AGENCIES OFFICE	CPT-1	RB	P-1	P-1	P-1	P-1					ACT-1	
116	LACTATION ROOM	CPT-1	RB	P-1	P-1	P-1	P-1		PL-1	PL-1	PL-C	ACT-1	
117	PSYCH	CPT-1	RB	P-1	P-1	P-1	P-1					ACT-1	
118	CUSTODIAL OFFICE	EC	EPX	PLY/P-1	FRP/PLY/P-1	FRP/PLY/P-1	PLY/P-1					NC	
119	SPEECH	CPT-1	RB	P-1	P-1	P-1	P-1					ACT-1	
120	SPEECH	CPT-1	RB	P-1	P-1	P-1	P-1					ACT-1	
121	BILINGUAL INS. ASST.	CPT-1	RB	P-1	P-1	P-1	P-1					ACT-1	
122	BEHAVIOR SPEC.	CPT-1	RB	P-1	P-1	P-1	P-1					ACT-1	
123	SOCIAL WORKER	CPT-1	RB	P-1	P-1	P-1	P-1					ACT-1	
124	BEHAVIOR INT.	CPT-1	RB	P-1	P-1	P-1	P-1					ACT-1	
125	IEP MEETING SPACE	CPT-1 / CPT-2	RB	P-1	P1	P-1	P-1					ACT-1	
126	FIRE RISER	EPX	RB	P-1	P-1	P-1	P-1					ACT-2	
127	STAFF RESTROOM	EPX	EPX	FRP	FRP	FRP	FRP					P-1	
128	COMMUNITY SCHOOLS MTG	CPT-1 / LVT	RB	P-1	P-1	P-1	P-1		PL-1	PL-1	PL-C	ACT-2	
128B	CUBICLE WORKSPACE	CPT-1	RB	P-1	P-1	P-1	P-1					ACT-2	
129	RESTROOM	LVT	RB	P-1	P-1	P-1	P-1					ACT-2	
130	STAFF WORKROOM	LVT	RB	P-1	P-1	P-1	P-1		PL-1	PL-1	PL-C	ACT-1	
131	MEDIA CENTER	CPT-1 / CPT-2 / LVT	RB	P-1	P1	P-1	P-1					P-1/ACT-1	
131.2	MEDIA STACKS												
132	SMALL GROUP	CPT-1	RB	P-1	P-1	P-1/AWP	P-1					ACT-1	
133	STAFF LOUNGE	LVT	RB	P-1	P-1	P-1/AWP	P-1		PL-1	PL-1	PL-C	ACT-2	
134	ELEC.	EC	RB	P-1	P-1	P-1/AWP	P-1					NC	
200	COLLABORATION	CPT-1	RB	P-1/AWP	P-2	P-1/AWP	P-2		PL-1	-	PL-C	P-1	
200.1	HALLWAY	LVT / CPT-2	RB	P-2	P-2	P-2	P-2					P-2	
200.2	HALLWAY	LVT / CPT-2		P-2	P-2	P-2	P-2					P-2	
201	5TH GRADE CLASSROOM	CPT-1 / CPT-2	RB	P-1	P-1	P-1	P-1		PL-1	-	PL-C	ACT-1	
202	5TH GRADE CLASSROOM	CPT-1 / CPT-2	RB	P-1	P-1	P-1	P-1		PL-1	-	PL-C	ACT-1	
203	4TH GRADE CLASSROOM	CPT-1 / CPT-2	RB	P-1	P-1	P-1	P-1		PL-1	-	PL-C	ACT-1	
204	4TH GRADE CLASSROOM	CPT-1 / CPT-2	RB	P-1	P-1	P-1	P-1		PL-1	-	PL-C	ACT-1	
205	3RD GRADE CLASSROOM	CPT-1 / CPT-2	RB	P-1	P-1	P-1	P-1		PL-1	-	PL-C	ACT-1	
206	3RD GRADE CLASSROOM	CPT-1 / CPT-2	RB	P-1	P-1	P-1	P-1		PL-1	-	PL-C	ACT-1	
207	3RD GRADE CLASSROOM	CPT-1 / CPT-2	RB	P-1	P-1	P-1	P-1		PL-1	-	PL-C	ACT-1	
208	OPEN CLASSROOM	CPT-1 / CPT-2	RB	P-1	P-1	P-1	P-1		PL-1	-	PL-C	ACT-1	
209	SPED MOD. CLASSROOM	CPT-1 / CPT-2 / LVT	RB	P-1	P-1	P-1	P-1		PL-1	PL-1	PL-C	ACT-1	
210	SPED RR	EPX	EPX	FRP	FRP	FRP	FRP					P-1	
211	SPED INT. CLASSROOM	CPT-1 / CPT-2 / LVT	RB	P-1	P-1	P-1	P-1		PL-1	PL-1	PL-C	ACT-1	
212	SPED RR	EPX	EPX	FRP	FRP	FRP	FRP					P-1	
213	INTERVEN.	CPT-1	RB	P-1	P-1	P-1	P-1					ACT-1	
214	RSP	CPT-1 / CPT-2	RB	P-1	P-1	P-1	P-1					ACT-1	
215	CUSTODIAL /STORAGE	EC	EPX	PLY/P-1	PLY/P-1	PLY/P-1	PLY/P-1					NC	
216	GIRLS RR	EPX	EPX	FRP/TP	FRP/TP	FRP/TP	FRP/TP					P-1	
217	BOYS RR	EPX	EPX	FRP/TP	FRP/TP	FRP/TP	FRP/TP					P-1	
218	STAFF RESTROOM	EPX	EPX	FRP	FRP	FRP	FRP					P-1	
219	FIRE RISER	EC	RB	P-1	P-1	P-1	P-1					NC	
220	IDF	EC	RB	ETB/P-1	ETB/P-1	ETB/P-1	ETB/P-1					NC	
221	ELECTRICAL	EC	RB	P-1	P-1	P-1	P-1					NC	

GENERAL NOTES

GENERAL
1. ALL INTERIOR CORNERS TO HAVE CORNER GUARDS INSTALLED PER DETAIL 6 / 2A10.10.3
2. ALL FINISHES SHALL COMPLY WITH CBC CHAPTERS 3-8 &10 AND TITLE 19 C.C.R.
3. PROVIDE MOISTURE RESISTANT GYPSUM BOARD AT ALL RESTROOMS, MOP SINK AREAS AND WALLS ADJACENT TO ANY SINK OR DRINKING FOUNTAIN WHERE GYPSUM BOARD IS SCHEDULED.
4. DO NOT INSTALL MOISTURE RESISTANT GYPSUM BOARD AT CEILING PLANES.

PAINTING
1. ALL INTERIOR WALLS AND CEILINGS TO RECIEVE LEVEL 5 FINISH PER SPECIFICATIONS.
2. ALL ROOMS TO RECEIVE EGG-SHELL SHEEN EXCEPT AT RESTROOMS WHICH SHALL RECIEVE SEMI-GLOSS SHEEN.
3. EXTERIOR WALL FINISHES TO RECEIVE FLAT SHEEN, U.O.N.
4. EXTERIOR STEEL, HM FRAMES AND METAL FLASHINGS TO RECEIVE SEMI-GLOSS SHEEN.

BASE MATERIAL LEGEND

SYMBOL	MATERIAL	BASIS OF DESIGN MANUFACTURER	STYLE/COLOR
EPX	6" EPOXY COVED BASE	CROSSFIELD PRODUCTS	BRIGHT GRAY
RB	4" RUBBER BASE	ROPPE	BLACK

FLOOR MATERIAL LEGEND

SYMBOL	MATERIAL	BASIS OF DESIGN MANUFACTURER	STYLE/COLOR
CPT-1	CARPET TILE	TARKETT	COLORMAP - LANDING ZONE
CPT-2	CARPET: WALK-OFF	TARKETT	ASSERTIVE STRIA STEELWORK #26202
EC	EXPOSED AND SEALED CONCRETE	SEE SPECS	SEE SPECS
EPX	EPOXY MOSAIC COMPOSITION FLOORING	CROSSFIELD PRODUCTS	BRIGHT GRAY
LVT	RESILIENT FLOORING: VINYL TILE - PLANK	TARKETT	CONTOUR COLOR BEAM - CORDOROY

SHADE MATERIAL LEGEND

SYMBOL	MATERIAL	BASIS OF DESIGN MANUFACTURER	STYLE/COLOR
SH	FABRIC SHADES	MECHOSHADE	THERMOVEIL 1300

CASEWORK MATERIAL LEGEND

SYMBOL	MATERIAL	BASIS OF DESIGN MANUFACTURER	STYLE/COLOR
PL-1	HIGH PRESSURE LAMINATE	WILSONART	#8282 WHITE OAK PB WHEATON
PL-2	HIGH PRESSURE LAMINATE	WILSONART	TBD
PL-C	HIGH PRESSURE LAMINATE COUNTER	WILSONART	#4945 ORGANIC COTTON
SS-1	SOLID SURFACE COUNTERTOP	WILSONART	#9204CE MORNING ICE

CEILING MATERIAL LEGEND

SYMBOL	MATERIAL	BASIS OF DESIGN MANUFACTURER	STYLE/COLOR
ACT-1	2 X 4 SUSPENDED ACOUSTICAL CEILING PANELS	ARMSTRONG WORLD INDUSTRIES	PRELUDE XL/ WHITE
ACT-2	2 X 2 SUSPENDED ACOUSTICAL CEILING PANELS	ARMSTRONG WORLD INDUSTRIES	PRELUDE XL/ WHITE
MS	METAL SOFFIT	ARMSTRONG WORLD INDUSTRIES	(TBD)
NC	NO CEILING, PAINT P1 U.O.N.	SHERWIN WILLIAMS	SW 7014 EIDER WHITE
P-1	GWB, PAINTED	SHERWIN WILLIAMS	SW 7014 EIDER WHITE

WALL MATERIAL LEGEND

SYMBOL	MATERIAL	BASIS OF DESIGN MANUFACTURER	STYLE/COLOR
AWP	ACOUSTIC WALL PANEL	ARMSTRONG	HUSH CLAD WALL PANEL - MARGIN CENTERED - NICKEL
P-1	GWB, PAINTED	SHERWIN WILLIAMS	SW 7014 EIDER WHITE
P-2	GWB, PAINTED	SHERWIN WILLIAMS	SW 6804 DIGNITY BLUE
PLY	PLYWOOD, PAINTED	SHERWIN WILLIAMS	SW 7014 EIDER WHITE
TB	TACKBOARD	FORBO	FRESH PINEAPPLE
TP	TOILET PARTITIONS	BOBRICK	SIERRA SERIES COLOR TBD
VWC	VINYL WALL COVERING	KOROSEAL INTERIOR PRODUCTS	LINDEN II #4521-20 FLINT
FRP	FIBERGLASS REINFORCED PANELS WITH ALUMINUM TRIM	ALTRO PURAGUARD	#139 SALT

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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Ren. 8/30/27 STATE OF CALIFORNIA DATE SIGNED: 07/13/2026	

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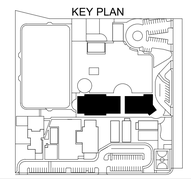
KEY PLAN



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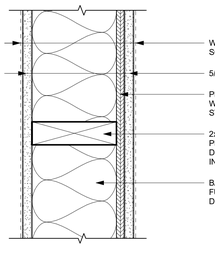
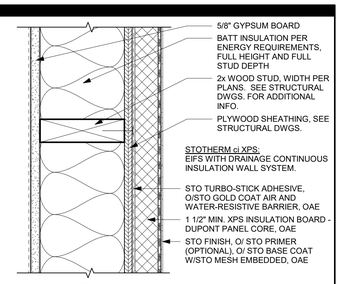


NOTES:
1. WALLS TO BE FULL HEIGHT, WITH GYPSUM BOARD AND INSULATION FULL HEIGHT.
2. GYPSUM BOARD AT ONE SIDE ONLY AT FULLY ENCLOSED SHAFTS OR CAVITY WALLS.

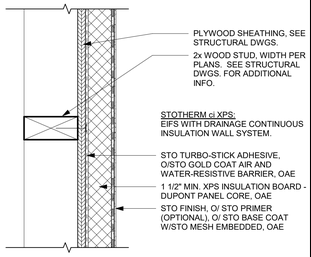
INTERIOR WALL ASSEMBLY 3" = 1'-0" 6



PLAN

NOTES:
1. STOTHERM ci XPS SYSTEM OR APPROVED EQUAL AT EXTERIOR SIDE OF WALLS ONLY. SEE FINISH SCHEDULE FOR INDIVIDUAL INTERIOR ROOM FINISHES.
2. INSTALL ALL COMPONENTS PER MANUFACTURER'S RECOMMENDATIONS.

EIFS WALL ASSEMBLY 3" = 1'-0" 1



PLAN

NOTES:
1. STOTHERM ci XPS SYSTEM OR APPROVED EQUIVALENT AT EXTERIOR SIDE OF WALLS ONLY. SEE FINISH SCHEDULE FOR INDIVIDUAL INTERIOR ROOM FINISHES.
2. INSTALL ALL COMPONENTS PER MANUFACTURER'S RECOMMENDATIONS.

EIFS FURRED WALL ASSEMBLY 3" = 1'-0" 2

GA FILE NO. WP 3661 (GENERIC, 1 HOUR FIRE)

GYPSUM WALLBOARD, WOOD STUDS, MINERAL FIBER INSULATION

FIRE DESIGN:

ONE LAYER 5/8" TYPE X GYPSUM WALLBOARD APPLIED AT RIGHT ANGLES TO EACH SIDE OF 2 X 6 WOOD STUDS 16" OC WITH 2 1/4" TYPE S OR W SCREWS 12" OC 5 1/2" MINERAL FIBER INSULATION, NOMINAL 2.5 PCF, FRICTION FIT IN STUD SPACE.

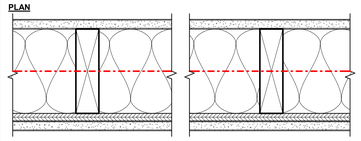
VERTICAL JOINTS STAGGERED 16" OC, HORIZONTAL JOINTS STAGGERED 24" OC, ON OPPOSITE SIDES.

TESTED AT 5,156 LBS PER STUD OR 100 PERCENT OF DESIGN LOAD. (LOAD BEARING)

NOTES:

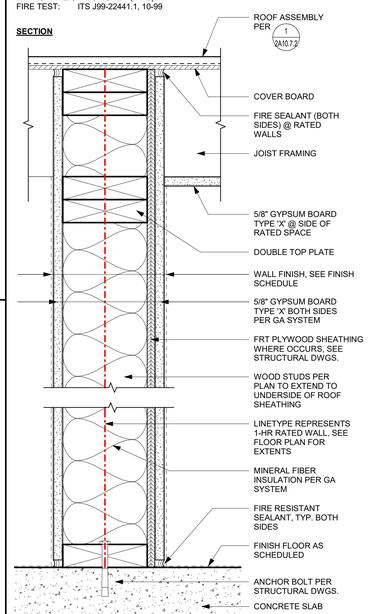
1. PER CBC 703.5, ALL FIRE WALLS THAT HAVE A CONCEALED FLOOR-CEILING OR ATTIC SPACE SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING READING "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS" IN THE CONCEALED SPACE. THE IDENTIFICATION SHALL BE LOCATED WITHIN 15 FEET OF THE END OF EACH WALL AT INTERVALS NOT EXCEEDING 30 FEET HORIZONTALLY, AND THE LETTERING SHALL NOT BE LESS THAN 3 INCHES IN HEIGHT OR HAVE A STROKE LESS THAN 3/8-INCH IN A CONTRASTING COLOR.

PLAN



THICKNESS: 7-1/4" (FIRE)
APPROX. WEIGHT: 8 1/2 PSF (FIRE)
FIRE TEST: ITS J99-22441.1, 10-99

SECTION



1 HR RATED BARRIER ASSEMBLY 3" = 1'-0" 10

GA FILE NO. WP 8126 (PROPRIETARY, 1 HOUR FIRE)

GYPSUM PANEL PRODUCTS, FOAM PLASTIC BOARDS, WOOD STUDS, EXTERIOR CLADDING

FIRE DESIGN:

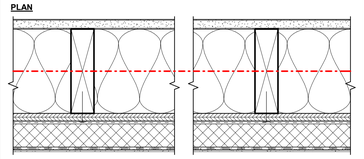
EXTERIOR SIDE: BASE LAYER 5/8" PROPRIETARY TYPE X GYPSUM SHEATHING OR GLASS MAT GYPSUM SUBSTRATE APPLIED PARALLEL OR AT RIGHT ANGLES TO 2 X 6 WOOD STUDS 16" O.C. WITH 6D CEMENT-COATED OR COMMON NAILS OR 1-7/8" TYPE W DRYWALL SCREWS 7" O.C. SECOND LAYER: MAXIMUM 1-1/2" PROPRIETARY FACED POLYISOCYANURATE FOAM PLASTIC SHEATHING APPLIED PARALLEL TO STUDS WITH 3" GALVANIZED ROOFING NAILS 8" O.C. AT PERIMETER AND 12" O.C. AT INTERMEDIATE STUDS. FACE LAYER EXTERIOR INSULATION AND FINISH SYSTEM (EIFS).

INTERIOR SIDE: 5/8" PROPRIETARY TYPE X GYPSUM WALLBOARD APPLIED AT RIGHT ANGLES TO STUDS WITH 6D CEMENT-COATED OR COMMON NAILS OR 17/8" TYPE W DRYWALL SCREWS 7" O.C. UNFACED 31/2" GLASS FIBER, 0.72 PCF, FRICTION FIT IN STUD SPACE. (LOAD-BEARING)

ENGINEERING EVALUATION NUMBER 10899A (FOR EIFS, 1 HOUR FIRE)

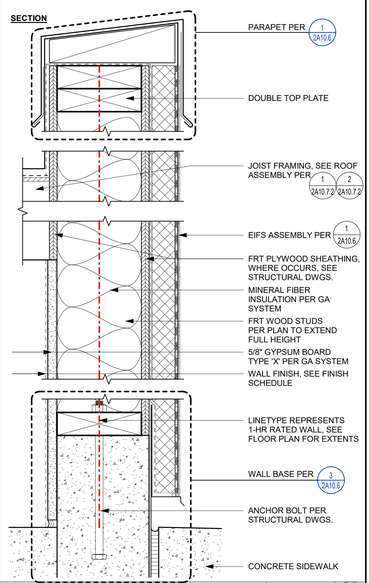
NFPA TEST 285 COMPLIANCE OF STO CORPORATION
STOTHERM CI EIFS WITH FRT WOOD STUD FRAMING AND SHEATHING
ICC-ES ESR 1748

PLAN



THICKNESS: 8-5/8" (FIRE)
APPROX. WEIGHT: 8 1/2 PSF (FIRE)
FIRE TEST: ITS J99-22441.1, 10-99

SECTION



1 HR RATED EIFS WALL ASSEMBLY 3" = 1'-0" 5

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

Studio W Architects
1930 H Street
Sacramento, California 95811
[T] 916.254.5600
www.StudioW-Architects.com

ARCHITECT	ENGINEER

LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Ren. 8/31/27 STATE OF CALIFORNIA
DATE SIGNED: 07/13/2026

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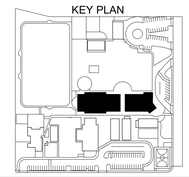
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

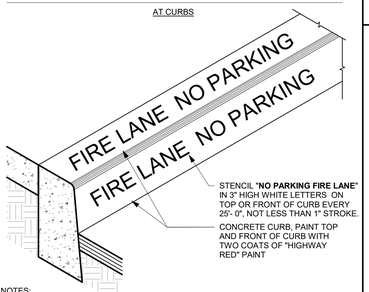
DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

WALL TYPES

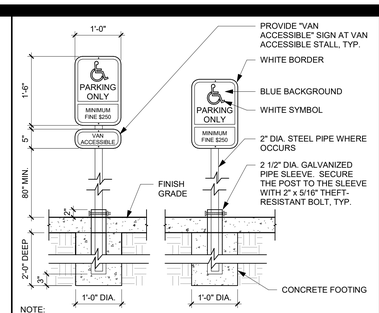
Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2A10.1
Drawn / Checked	
Author / Checker	

PRINT DATE: 7/13/2026 4:25:51 PM
FILE PATH: Autodesk Docs://25010 FCUSD Cordova Villa ES Mod/25010.1 - FCUSD Cordova Villa ES Mod - Phase 1.rvt



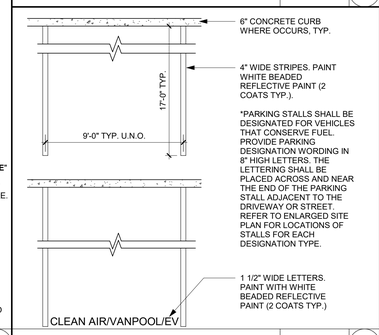
NOTES:
1. ALL WEATHER SUITABLE SURFACE FOR FIRE APPARATUS AS PER GUIDANCE FROM CFC APPENDIX D.
2. FIRE APPARATUS ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LIVE LOAD OF 80,000 LBS, WITH A MAXIMUM AXLE LOAD OF 31,000 LBS, AND MEET PUBLIC WORKS STANDARDS FOR ROADWAYS.

FIRE LANE MARKING 1 1/2" = 1'-0" 27

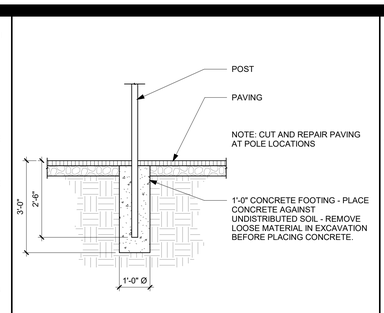


NOTE:
ACCESSIBLE SIGN TO BE LOCATED ON FACE OF COLUMN UNLESS NOTED OTHERWISE

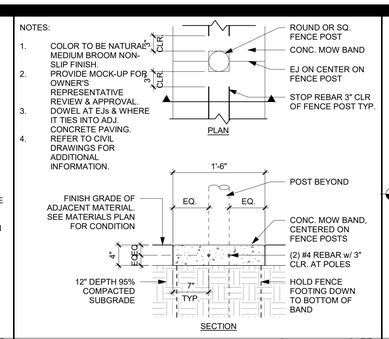
ACCESSIBLE STALL SIGNAGE 3/4" = 1'-0" 21



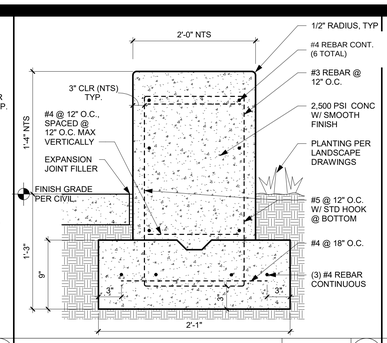
TYPICAL STALL MARKING 1/4" = 1'-0" 22



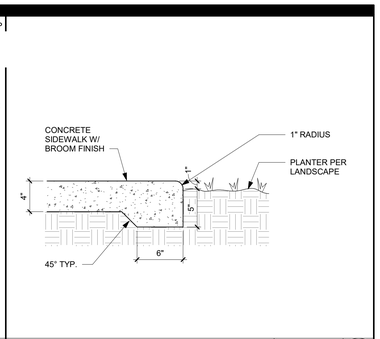
FUNNEL BALL POST 1/2" = 1'-0" 16



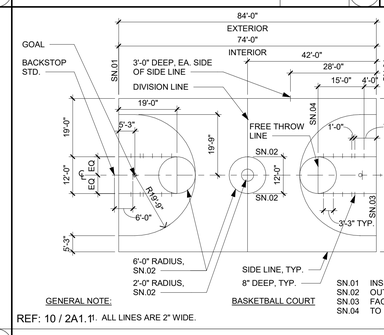
CONCRETE MOW STRIP 1" = 1'-0" 11



CONCRETE PLANTER SEAT WALL 1 1/2" = 1'-0" 6

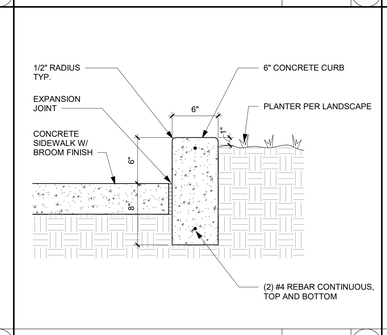


SIDEWALK AT PLANTER 1 1/2" = 1'-0" 1

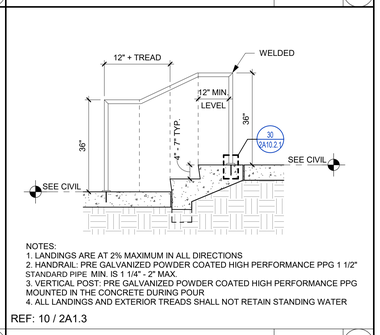


REF: 10 / 2A1.1¶. ALL LINES ARE 2" WIDE.

BASKETBALL COURT & GOAL 1" = 20'-0" 12



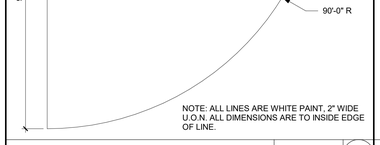
RAISED PLANTER 1 1/2" = 1'-0" 7



NOTES:
1. LANDINGS ARE AT 2% MAXIMUM IN ALL DIRECTIONS
2. HANDRAIL: PRE GALVANIZED POWDER COATED HIGH PERFORMANCE PPG 1 1/2" STANDARD PIPE. MIN. IS 1 1/4" - 2" MAX.
3. VERTICAL POST: PRE GALVANIZED POWDER COATED HIGH PERFORMANCE PPG MOUNTED IN THE CONCRETE DURING POUR
4. ALL LANDINGS AND EXTERIOR TREADS SHALL NOT RETAIN STANDING WATER

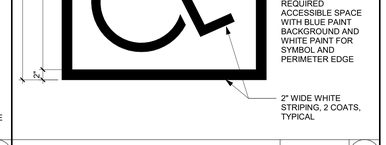
REF: 10 / 2A1.3

STAIR SECTION GALV. METAL 1/2" = 1'-0" 2

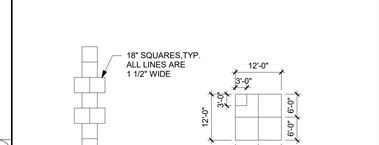


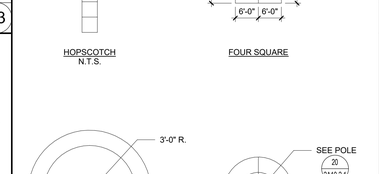
NOTE: ALL LINES ARE WHITE PAINT, 2" WIDE U.O.N. ALL DIMENSIONS ARE TO INSIDE EDGE OF LINE.

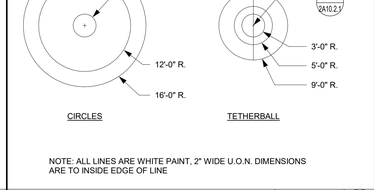
KICKBALL STRIPING 1" = 20'-0" 28



ACCESSIBLE STALL SYMBOL 1" = 1'-0" 23

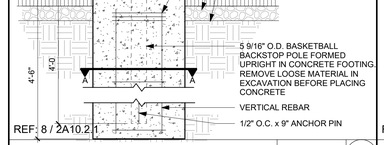






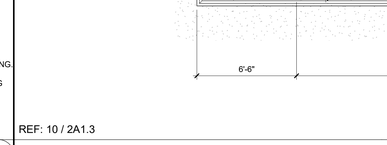
NOTE: ALL LINES ARE WHITE PAINT, 2" WIDE U.O.N. DIMENSIONS ARE TO INSIDE EDGE OF LINE

PLAYGROUND STRIPING & EQ. 1/16" = 1'-0" 19



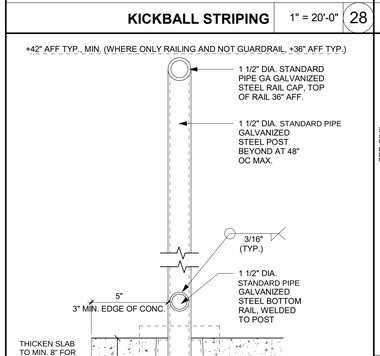
REF: 8 / 2A10.2.1

BASKETBALL BACKSTOP FOOTING 3/4" = 1'-0" 13



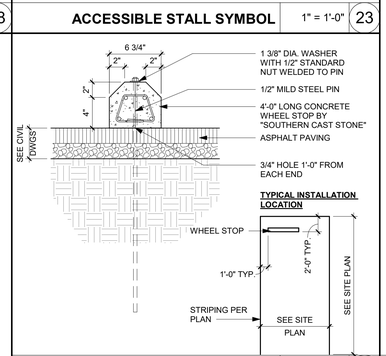
REF: 10 / 2A1.3

RAMP ENLARGED PLAN 1 1/4" = 1'-0" 3

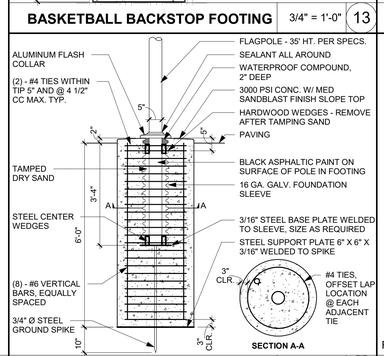


REF: 2 / 2A10.2.1 **ENLARGED DETAIL**

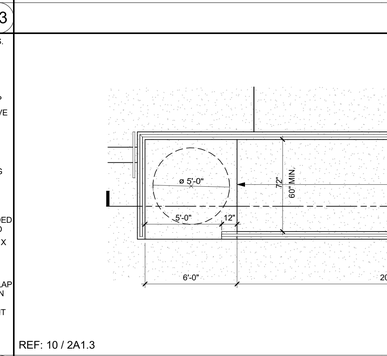
HAND RAIL DETAILS 3" = 1'-0" 30



WHEEL STOP 1 1/2" = 1'-0" 24

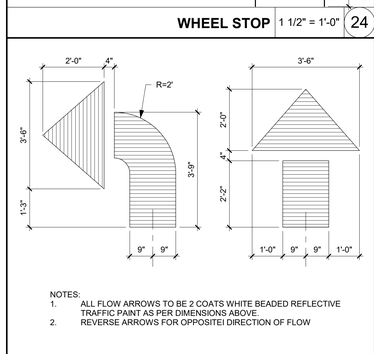


FLAG POLE FOOTING 1/2" = 1'-0" 14



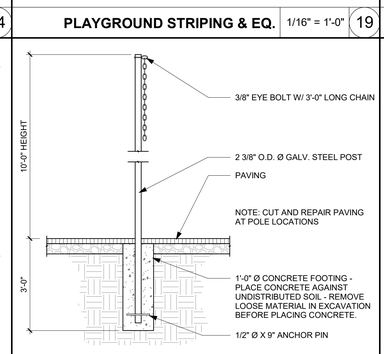
REF: 10 / 2A1.3

RAMP ENLARGED PLAN 2 1/4" = 1'-0" 4

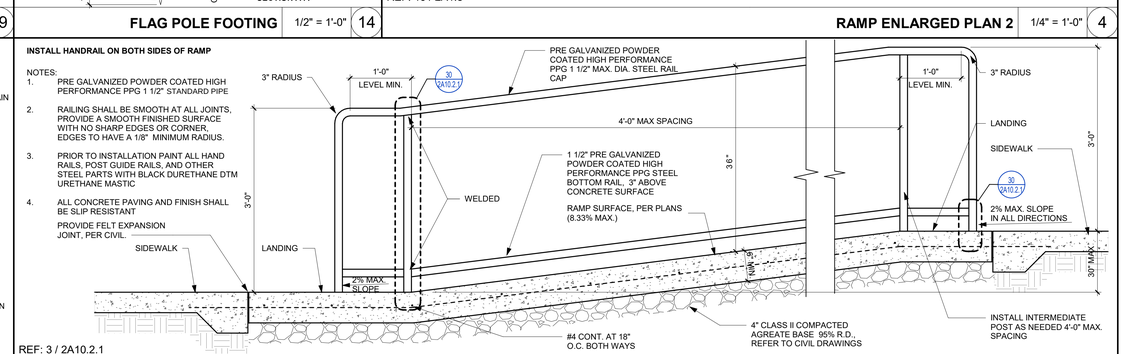


NOTES:
1. ALL FLOW ARROWS TO BE 2 COATS WHITE BEADED REFLECTIVE TRAFFIC PAINT AS PER DIMENSIONS ABOVE.
2. REVERSE ARROWS FOR OPPOSITEI DIRECTION OF FLOW

DIRECTIONAL ARROWS 1/2" = 1'-0" 25



TETHER BALL POST 1/2" = 1'-0" 20



REF: 3 / 2A10.2.1

ACCESSIBLE RAMP WITH HAND RAIL AND GUIDE RAIL DETAIL 1" = 1'-0" 5

PRINT DATE: 7/13/2026 4:25:53 PM
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DATE: 07/31/2026

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Sacramento, California 95811
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ARCHITECT	ENGINEER

LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Rep. 12/31/27 STATE OF CALIFORNIA
DATE SIGNED: 07/13/2026

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	DATE
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○ BIDDING	
○ CONSTRUCTION	

KEY PLAN

FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

SITE DETAILS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2A10.2.1
Drawn / Author	Checked / Checker

GATE SCHEDULE

MARK	DOOR SIZE PAIR	DOOR SIZE PANEL WIDTH	DOOR SIZE HT	DOOR SIZE THK	DOOR TYPE	DOOR MAT.	DOOR FINISH	DOOR CORE	DOOR GLASS	DOOR RATING	DOOR LOUVER HT	DOOR LOUVER WD	HDW GROUP	HDW PANIC	HDW CLOSER	HDW INT. LOCK	FRAME TYPE	FRAME MTL	FRAME FINISH	FRAME GLASS	FRAME DETAILS HEAD	FRAME DETAILS JAMB	FRAME DETAILS THRESHOLD	FRAME DETAILS OTHER	COMMENTS
G1	-	3'-0"	6'-0"	1 1/2"	E	CL	FF	CL	-	-	-	-		-	-	-	-	STL	FF	-	-	-	-	3/A10.2.2	
G2	-	3'-0"	6'-0"	1 1/2"	E	CL	FF	CL	-	-	-	-		P	Y	-	-	STL	FF	-	-	-	-	3/A10.2.2	MAINTENENCE ACCESS ONLY
G3	PR	6'-0"	6'-0"	1 1/2"	EE	CL	FF	CL	-	-	-	-		-	-	-	-	STL	FF	-	-	-	-	4/A10.2.2	MAINTENENCE ACCESS ONLY
G4		3'-0"	6'-0"	1 1/2"	E																				
G5		6'-0"	6'-0"	1 1/2"	E																				

ABBREVIATIONS

CORE:
GL GLASS
INSUL INSULATED
SC SOLID CORE
SCWD SOLID CORE WOOD

DOOR PANEL FINISH:
FF FACTORY FINISH - DARK BRONZE ANODIZED
P# PAINTED - SEE FINISH SCHEDULE

DOOR / WINDOW FRAME FINISH:
FF FACTORY FINISH - DARK BRONZE ANODIZED
P# PAINTED - SEE FINISH SCHEDULE

DOOR PANEL / FRAME MATERIAL:
AL ALUMINUM
CL CHAIN LINK
HM HOLLOW METAL
PC POWDER COATED
STL STEEL
VN WOOD VENEER, TRANSPARENT FINISH
WD WOOD

HARDWARE:
P PANIC - SEE ALSO CODE ANALYSIS PLAN

REMARKS:
T TEMPERED, CATEGORY II
(CATEGORY I AND II CLASSIFACTIONS PER CBC SECTION 2406)

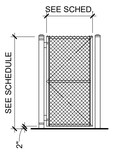
FOR SPECIFIC FINISHES REFER TO MATERIAL LEGEND ON ROOM FINISH SCHEDULE SHEET.

KEYNOTES

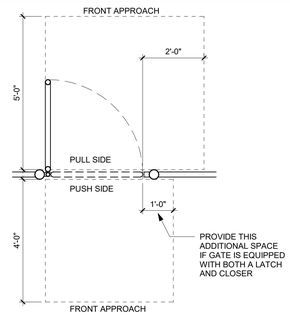
NUMBER	NOTE
32 221	CHAIN LINK FENCE (SEE SHEET 2A10.2.2 FOR DETAIL)
32 222	CHAIN LINK GATE (SEE SHEET 2A10.2.2 FOR DETAIL)
32 244	(1) 9-BIKE CAPACITY BIKE RACK. SEE SPECS.
32 245	(1) 11-BIKE CAPACITY BIKE RACK, SEE SPECS.

GATE TYPES

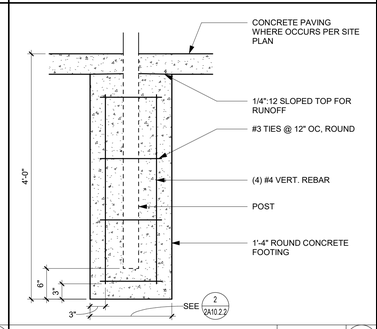
NOTE:
1. GATE TYPES WITH TWO LETTER DESIGNATIONS INDICATES A PAIR OF THE SINGLE GATE TYPE DESIGNATION.
2. FOR TYPICAL CLEARANCES, SEE DETAIL 1/2A10.8.1



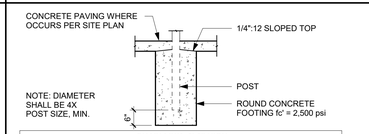
TYPE E
CHAINLINK



TYPICAL GATE CLEARANCES 1/2" = 1'-0" 12



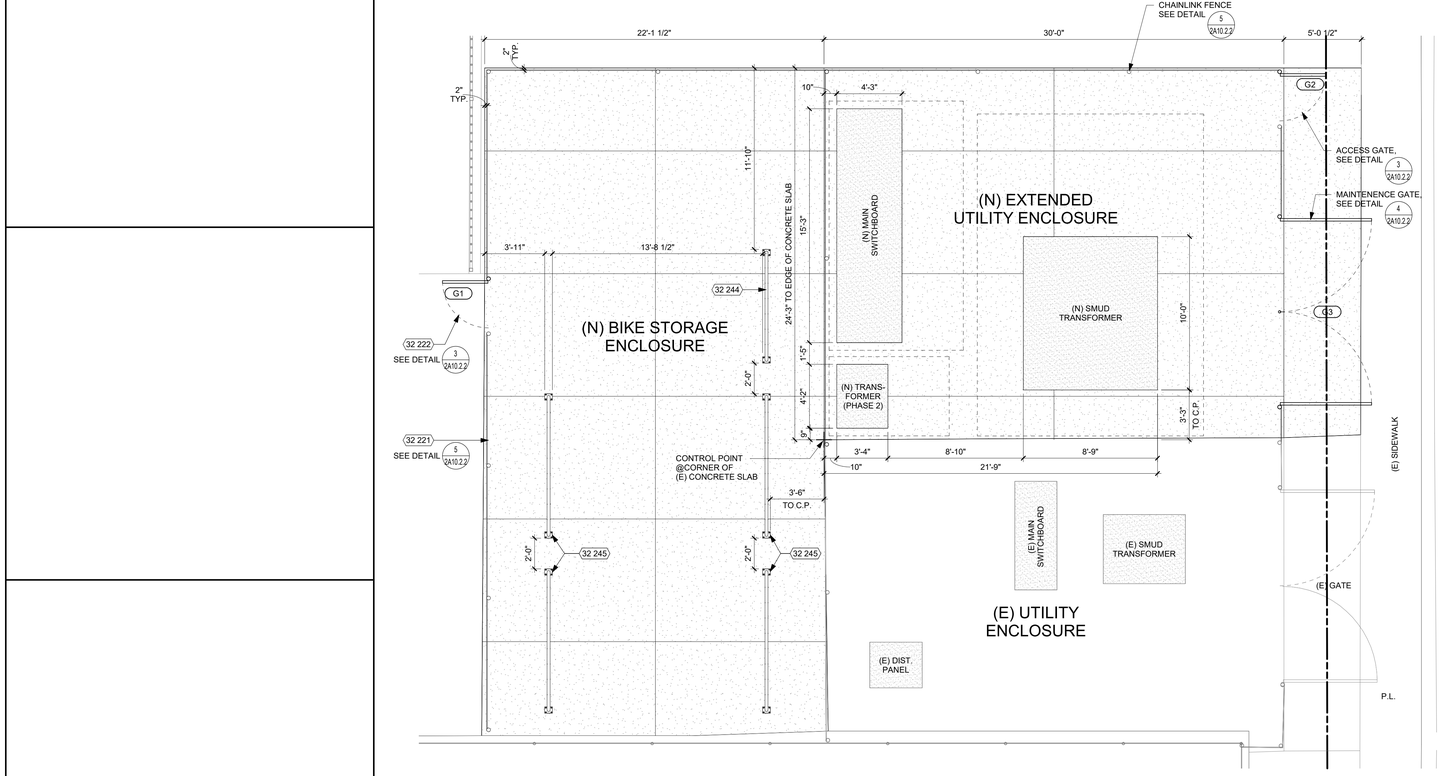
POST FOOTING - REINFORCED 1" = 1'-0" 7



CHAIN LINK: 6'-0" HIGH	
TYPE	**POST FOOTING**
CORNER, END, AND PULL POSTS	39" x 14" DIA.
LINE POSTS	36" x 12" DIA.
GATE AND LATCH POSTS: 3'-0" TO 5'-0" WIDE	48" x 14" DIA.
GATE AND LATCH POSTS: 10'-0" WIDE	48" x 18" DIA.
GATE AND LATCH POSTS: 12'-0" WIDE	48" x 26" DIA.

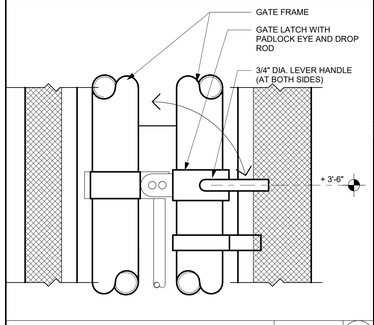
ORNAMENTAL: 6'-0" HIGH	
TYPE	**POST FOOTING**
SINGLE GATE: 4'-0" WIDE	4'-8" x 14" Ø
SINGLE GATE: 5' TO 11'-11" WIDE	5'-6" x 24" Ø
TERMINAL OR LINE POST OR GATE STOP	2'-6" x 14" Ø

FENCE FOOTING SCHEDULE 1/2" = 1'-0" 2

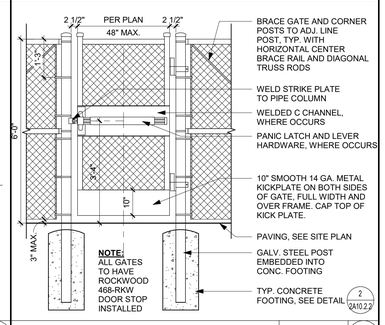


REF: 9 / 2A0.6

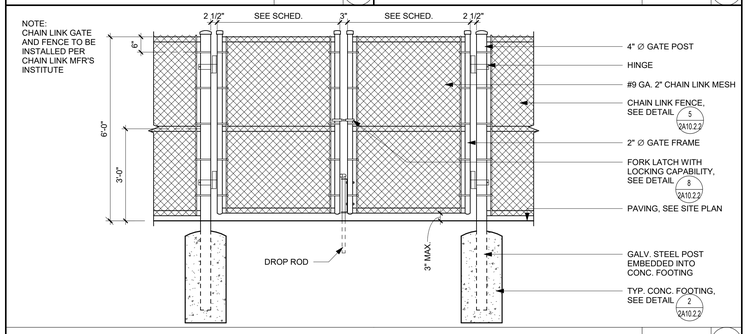
ENLARGED ELECTRIC YARD AND BIKE STORAGE PLAN 1/4" = 1'-0" 15



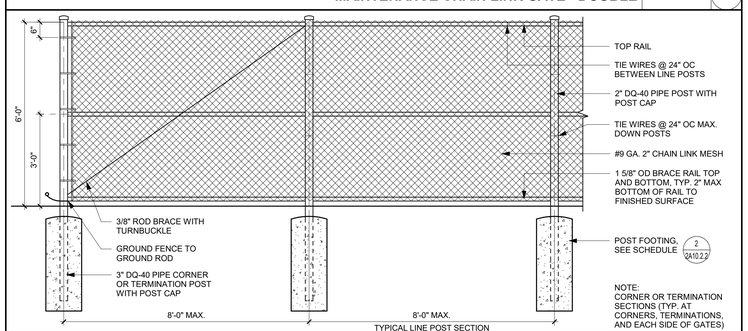
GATE LATCH 3" = 1'-0" 8



CHAIN LINK GATE 1/2" = 1'-0" 3



MAINTENANCE CHAIN LINK GATE - DOUBLE 1/2" = 1'-0" 4



CHAIN LINK FENCE TYPICAL ELEVATION 1/2" = 1'-0" 5

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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Ren. 8/30/27 STATE OF CALIFORNIA	
DATE SIGNED: 07/13/2026	

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REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
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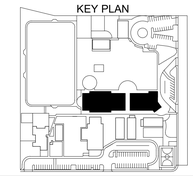
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

GATE SCHEDULE & SITE DETAILS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2A10.2.2
Drawn / Author	Checked / Checker

PRINT DATE: 7/13/2026 4:25:57 PM
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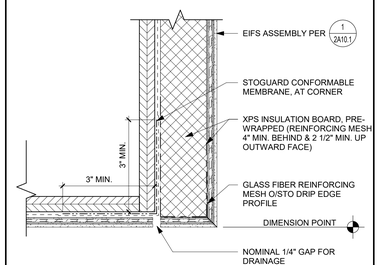
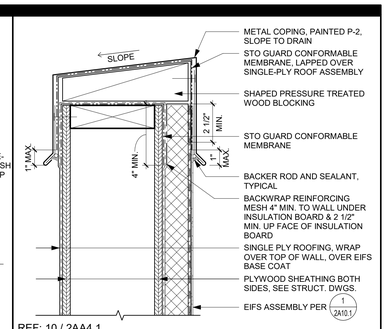


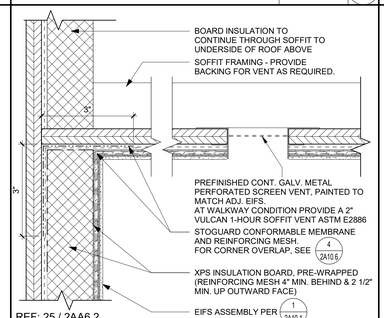
REF: 25 / 2AA6.2

EIFS SOFFIT TRANSITION 6" = 1'-0" 6



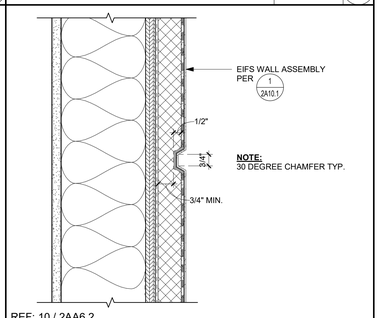
REF: 10 / 2AA4.1

EIFS AT PARAPET 3" = 1'-0" 1



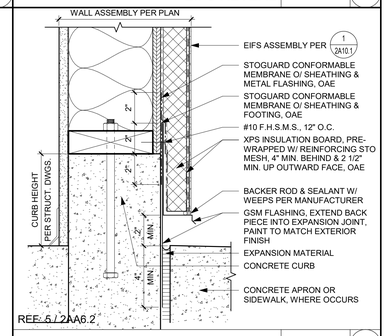
REF: 25 / 2AA6.2

EIFS SOFFIT VENT 6" = 1'-0" 7



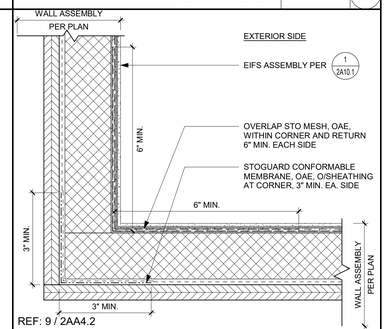
REF: 10 / 2AA6.2

EIFS REVEAL 3" = 1'-0" 2



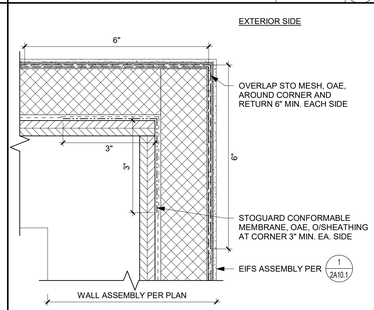
REF: 5 / 2AA6.2

EIFS AT BASE 3" = 1'-0" 3



REF: 9 / 2AA4.2

EIFS AT INSIDE CORNER 6" = 1'-0" 4



REF: 9 / 2AA4.2

EIFS AT OUTSIDE CORNER 6" = 1'-0" 5

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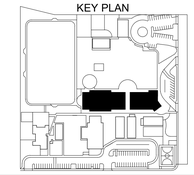
○ CONSTRUCTION	

KEY PLAN



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10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

WOOD DETAILS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2A10.6
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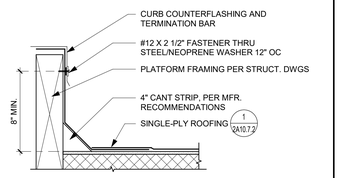
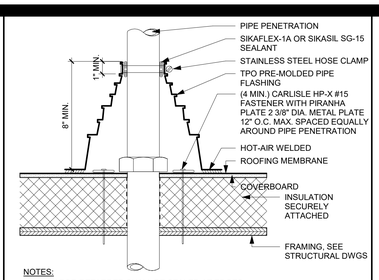
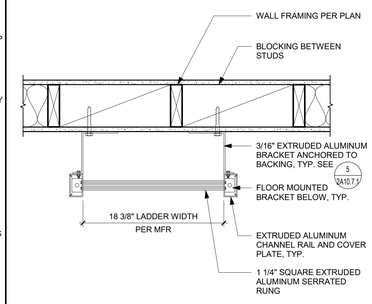


MECHANICAL PLATFORM CURB FLASHING
1 1/2" = 1'-0" 16

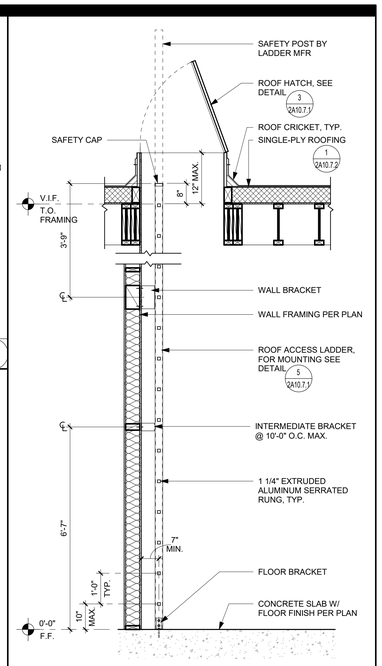


NOTES:
1. VAPOR RETARDER SHALL BE SEALED AT EDGES.
2. PIPE SEAL MUST HAVE INTACT RIB AT TOP EDGE, REGARDLESS OF PIPE DIAMETER.
3. DECK FLANGES OF THE PRE-MOLDED PIPE SEAL SHALL NOT BE OVERLAPPED, CUT OR APPLIED OVER ANY ANGLE CHANGE.
4. THE EMPTY SPACE MAY BE FILLED WITH AN EXPANDING URETHANE FOAM.

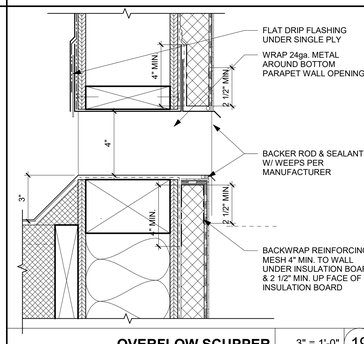
VENT PIPE AT SINGLE PLY ROOF
3" = 1'-0" 11



ROOF ACCESS LADDER PLAN
1 1/2" = 1'-0" 6

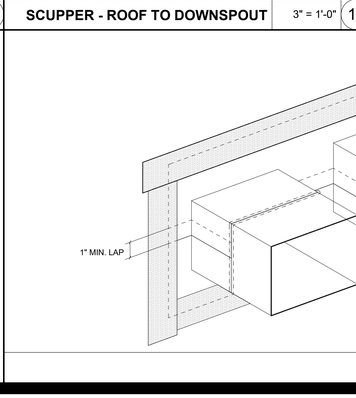


ROOF ACCESS LADDER AND HATCH SECTION
1/2" = 1'-0" 2



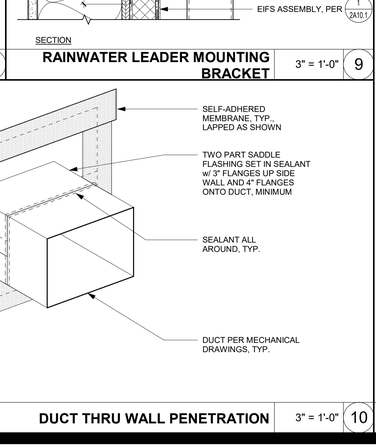
NOTE:
1. USE THIS DETAIL WHEN COUNTERFLASHING IS PART OF THE CURB MOUNTED EQUIPMENT.
2. USE THE SPECIFIED FASTENERS AND PLATE AROUND THE CURB PER WRITTEN SPECIFICATIONS.

CURB FLASHING @ CORNER
12" = 1'-0" 17

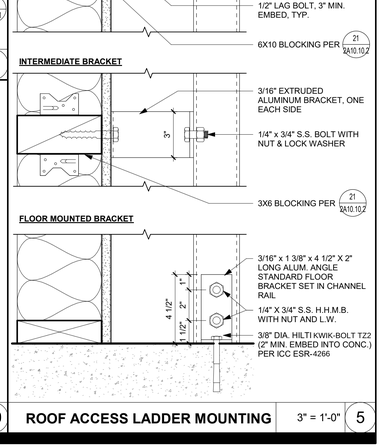


REF: 14 / 2A10.7.1

SCUPPER - ROOF TO DOWNSPOUT PLAN
3" = 1'-0" 13

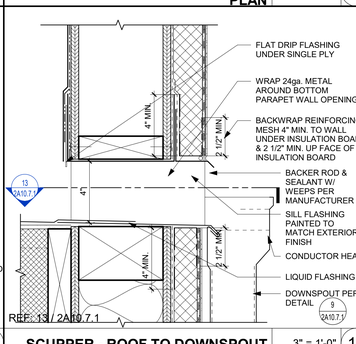


TYPICAL PENETRATION CLEARANCES AT ROOF
1" = 1'-0" 7



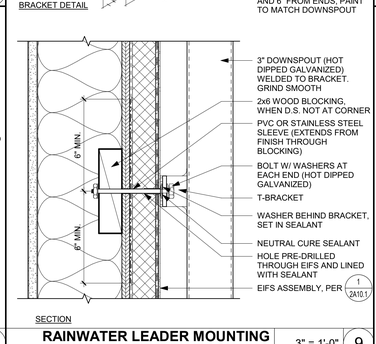
ROOF ACCESS HATCH
3/4" = 1'-0" 3

OVERFLOW SCUPPER
3" = 1'-0" 19

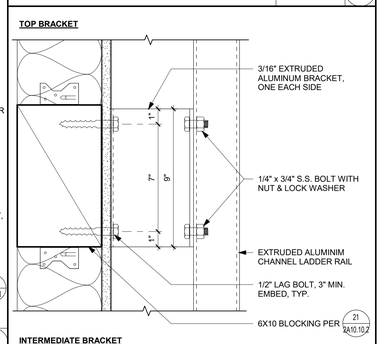


REF: 13 / 2A10.7.1

SCUPPER - ROOF TO DOWNSPOUT
3" = 1'-0" 14



RAINWATER LEADER MOUNTING BRACKET
3" = 1'-0" 9



ROOF ACCESS LADDER MOUNTING
3" = 1'-0" 5

DUCT THRU WALL PENETRATION
3" = 1'-0" 10

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KEY PLAN

FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

ROOF DETAILS

Date	Project Number
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Application Number	Drawing Number
02-123800	2A10.7.1
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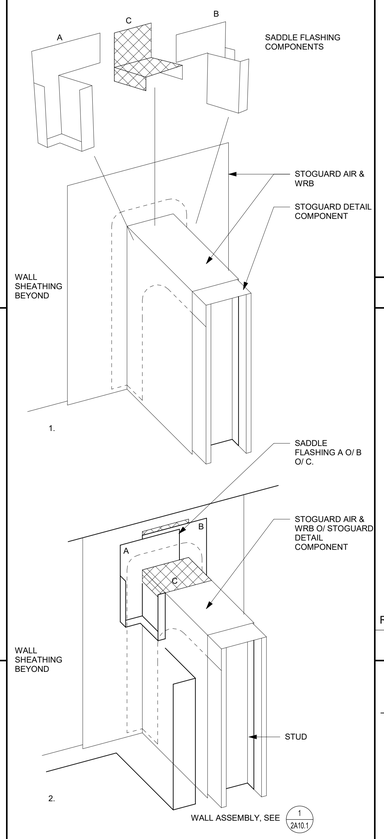
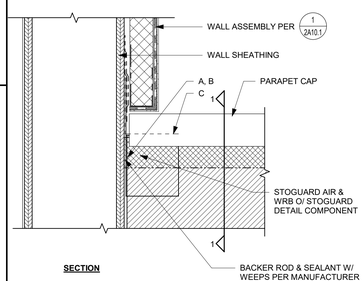
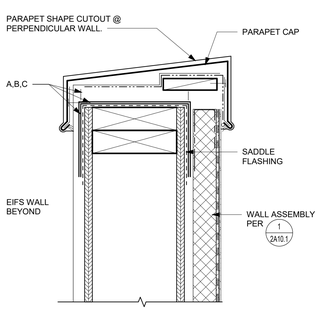
SADDLE WALL TO PERPENDICAL WALL FLASHING STEPS





SECTION

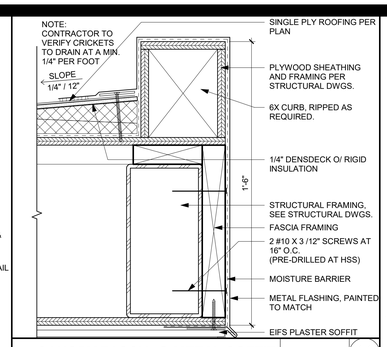


1-1

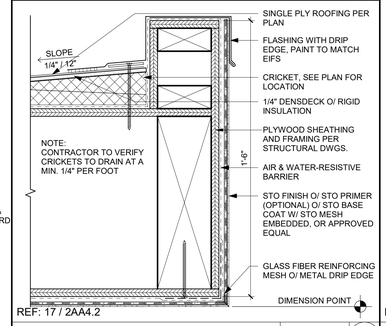
SEE MANUFACTURER FOR ADDITIONAL INFORMATION.

REF: 10 / 2AA4.1

SADDLE FLASHING @ LOWER/HIGHER WALL EIFS 3" = 1'-0" 20

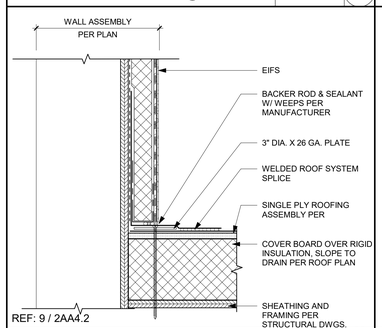


CANOPY FASCIA @ METAL SOFFIT 3" = 1'-0" 11



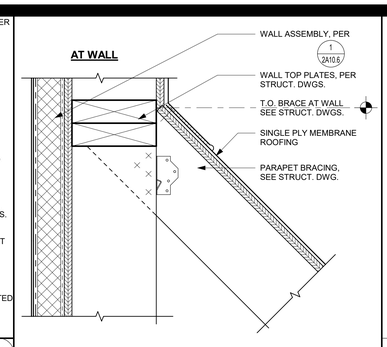
REF: 17 / 2AA4.2

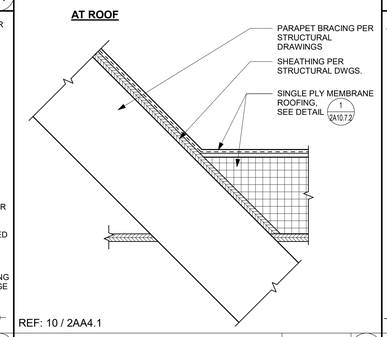
CANOPY FASCIA @ EIFS SIDE 3" = 1'-0" 12



REF: 9 / 2AA4.2

EIFS TO ROOF TRANSITION 3" = 1'-0" 13





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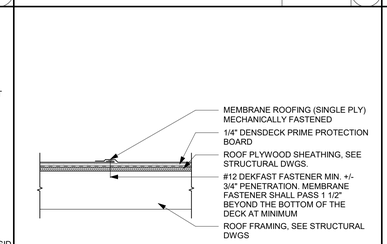
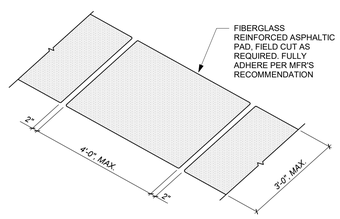
PARAPET BRACING 3" = 1'-0" 7

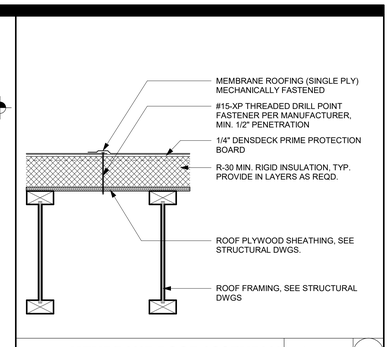


TYPICAL SINGLE PLY CANOPY ROOFING ASSEMBLY 1 1/2" = 1'-0" 8

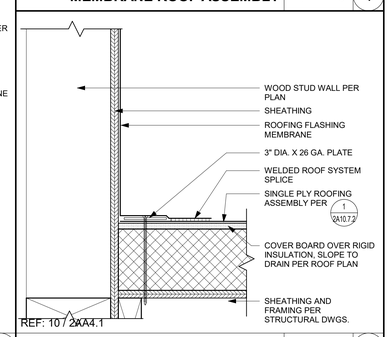


WALK PADS ARE REQUIRED ON MEMBRANE ROOFS: INSTALL 12" MAX. APART AND 12" AWAY FROM WALLS AND CURBS. PROVIDE AT ALL ROOF ENTRY AND EXIT POINTS AND IN FRONT OF SERVICE DOORS OR PANELS IN MECHANICAL EQUIPMENT, AND OTHERWISE AS REQUIRED BY ROOF MANUFACTURER. SEE ROOF PLAN FOR ADDITIONAL LOCATIONS.

ROOF WALKWAY PADS 1/2" = 1'-0" 9

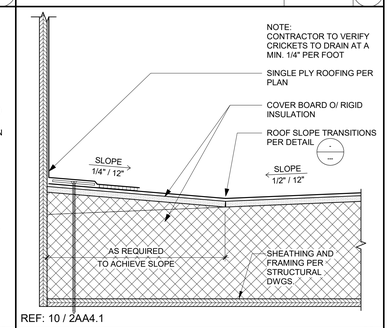


MEMBRANE ROOF ASSEMBLY 1 1/2" = 1'-0" 1



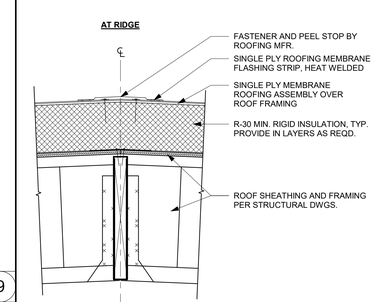
REF: 10 / 2AA4.1

PARAPET TO ROOF 3" = 1'-0" 2



REF: 10 / 2AA4.1

CRICKET 3" = 1'-0" 3



REF: 10 / 2AA4.1

ROOF TRANSITIONS 1 1/2" = 1'-0" 5

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

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Sacramento, California 95811
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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Rec. 12/31/27 STATE OF CALIFORNIA DATE SIGNED: 07/13/2026	

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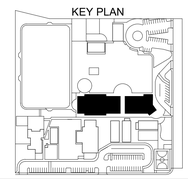
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

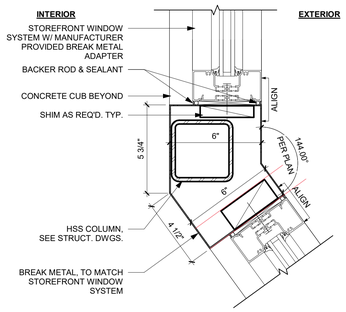
DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

ROOF DETAILS

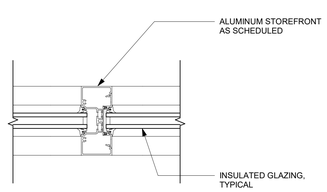
Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2A10.7.2
Drawn / Checked	
Author / Checker	

PRINT DATE: 7/13/2026 4:26:00 PM
FILE PATH: Autodesk Docs://25010 FCUSD Cordova Villa ES Mod/25010.1 - FCUSD Cordova Villa ES Mod - Phase 1.rvt



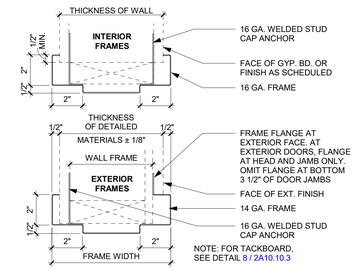
ANGLED CORNER COLUMN AT STOREFRONT — 3" = 1'-0" — 26

1. INDIVIDUALLY FLASH ALL EXTERIOR OPENINGS FOR FIXTURES SUCH AS WINDOWS, DOORS, AND VENTS TO MAKE THEM WATER TIGHT. PENETRATION FLASHING MATERIAL SHALL BE BARRIER COATED REINFORCED AND SHALL PROVIDE 4 HOUR MIN. PROTECTION FROM WATER PENETRATION WHEN TESTED IN ACCORDANCE WITH ASTM D-779. SEALANT SHALL COMPLY TO FF T-S- 1657. IN HIGH WIND AREAS A WATERPROOF SHEET MEMBRANE SHALL BE USED OVER SOLID BACKING.
2. APPROVED FLASHING MATERIAL SHALL BE AT LEAST 9" WIDE. FLASHING SHALL BE APPLIED IN A WEATHERBOARD FASHION AROUND THE FULL PERIMETER OF THE OPENING.
3. APPLY THE FIRST STRIP HORIZONTALLY IMMEDIATELY BELOW THE SILL. CUT IT SUFFICIENTLY LONG TO EXTEND PAST EACH SIDE OF THE WINDOW, SO THAT IT PROJECTS BEYOND THE VERTICAL FLASHING TO BE APPLIED LATER. FASTEN THE TOP EDGE OF THE SILL FLASHING TO THE FRAMING, BUT DO NOT FASTEN THE LOWER EDGE, SO THE WEATHER-RESISTIVE BARRIER APPLIED LATER MAY BE SLIPPED UP AND UNDERNEATH THE FLASHING IN WEATHERBOARD FASHION. (**SEE FIGURE A**)
4. NEXT, FASTEN STRIPS OF FLASHING AT EACH VERTICAL EDGE (JAMB) OF THE OPENING. RUN THIS FLASHING BEYOND THE SILL FLASHING AND ABOVE WHERE THE HEAD FLASHING WILL INTERSECT. (**SEE FIGURE B**)
5. APPLY A CONTINUOUS SEAL TO THE BACKSIDE (INTERIOR) OF THE MOUNTING FLANGE NEAR THE OUTER EDGE OR A CONTINUOUS SEAL TO THE PERIMETER OF THE OPENING AT A POINT TO ENSURE CONTACT WITH THE BACKSIDE (INTERIOR) OF THE MOUNTING FLANGE. (**SEE FIGURE C**)
6. FOR FIXTURES WITHOUT A NAIL-ON-FLANGE THE FLASHING SHALL BE 12" MIN. WIDE AND EXTEND INTO THE ROUGH FRAME AT THE SILL AND JAMB IN A WEATHERBOARD FASHION.
7. THE FIXTURE SHALL THEN BE INSTALLED.
8. NEXT, APPLY A CONTINUOUS SEAL AT THE TOP (HEAD) MOUNTING FLANGE OR G.S.M. HEAD FLASHING AND EMBED THE BOTTOM OF THE HEAD FLASHING OVER THE SEALANT AND THE MOUNTING FLANGE OR G.S.M. FLASHING. CUT THIS FLASHING SUFFICIENTLY LONG SO THAT IT WILL EXTEND BEYOND EACH JAMB FLASHING. FASTEN IN PLACE. (**SEE FIGURE D**)
9. APPLY REMAINING WEATHER-RESISTIVE BARRIER IN A WEATHERBOARD FASHION WITH THE SILL FLASHING LAPPING OVER THE TOP, AND THE HEAD AND JAMB FLASHING BELOW.
10. BASED UPON INDUSTRY STANDARDS APPROVED BY THE CALIFORNIA ASSOCIATION OF WINDOW MANUFACTURERS, (CAWM).

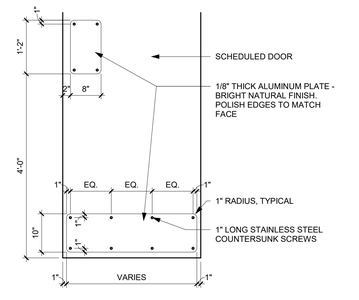


VERTICAL MULLION AT STOREFRONT — 3" = 1'-0" — 16

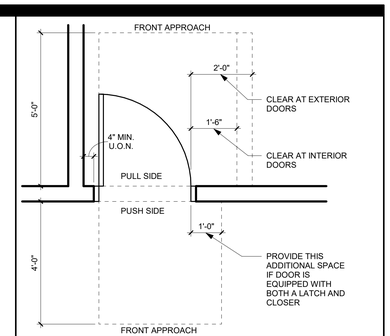
LOCATION OF WELDED ANCHORS AND ATTACHMENTS:
1. JAMBS: 6" FROM TOP OF FRAME, 9" FROM BOTTOM OF FRAME, 24" MAX. O.C.
2. HEAD: 6" FROM EACH END OR FRAME, 24" MAX. O.C.
3. FOR FURTHER HM FRAME DETAILS SEE 2 / 2A10.8.1



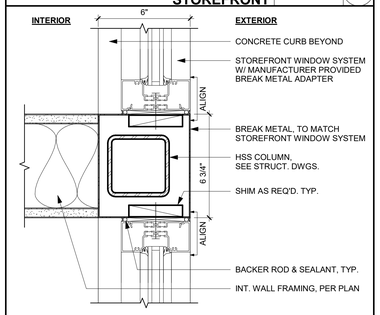
TYPICAL HM FRAMES — 3" = 1'-0" — 11



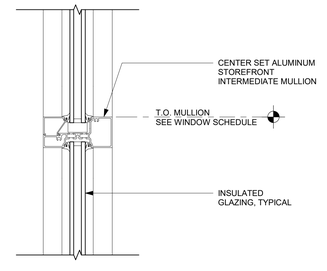
ALUM. KICK & PUSH PLATES — 3/4" = 1'-0" — 6



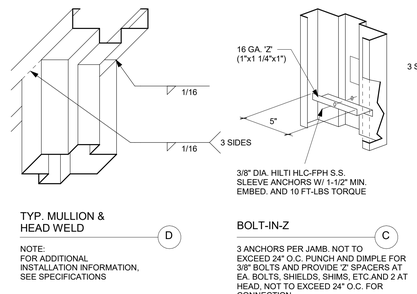
TYPICAL DOOR CLEARANCES — 1/2" = 1'-0" — 1



COLUMN AT PARALEL STOREFTONT — 3" = 1'-0" — 27



HORIZONTAL MULLION AT STOREFRONT — 3" = 1'-0" — 17



TYP. MULLION & HEAD WELD — D

NOTE: FOR ADDITIONAL INSTALLATION INFORMATION, SEE SPECIFICATIONS

BOLT-IN-Z — C

3 ANCHORS PER JAMB. NOT TO EXCEED 24" O.C. PUNCH AND DIMPLE FOR 3/8" BOLTS AND PROVIDE 'Z' SPACERS AT EA. BOLTS, SHIELDS, SHIMS, ETC.AND 2 AT HEAD, NOT TO EXCEED 24" O.C. FOR CONNECTION

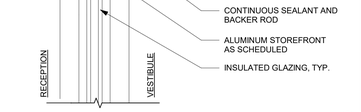
FLOOR CLIP — B

STUD CAP — A

ANCHOR SPACING PER TYPICAL HM FRAMES DETAIL 11 / 2A10.8.1 SEE FLOOR PLAN FOR STUD SIZES. OVERLAP HM FRAME AND GYP. BD. BY 1/2"

NOTES:
1. REFER TO PROFILES.
2. ALL HOLLOW METAL FRAME/JAMBS SHALL BE CUT FOR STANDARD UNIT LOCK STRIKES 3/4" HIGH.
3. FRAME DIMENSIONS ARE FROM FINISH PAVING. FRAME DIMENSIONS MAY VARY DUE TO FINISH MATERIALS.
4. SEE 'RATING' ON DOOR SCHEDULE FOR REQUIRED RATED DOORS.
5. VERIFY ALL DOOR AND FRAME OPENING SIZES AND WALL AND DOOR FRAME WIDTHS ON SITE.
6. PER CBC 715.4, APPROVED FIRE DOOR HARDWARE AND FIRE DOOR FRAMES INCLUDING THE ANCHORAGE THEREOF SHALL BE INSTALLED IN ACCORDANCE WITH THEIR LISTING.
7. ADHERE TO UL 10C OR NFPA 252 FOR INSTALLATION OF DOOR FRAMES.
8. UNDERCUT ALL DOORS TO CLEAR FLOOR FINISH BY 1/4" EXCEPT AT RATED DOORS

TYPICAL HM DOOR AND FRAME DETAILS — 12" = 1'-0" — 2



HEAD TO CEILING AT VEST. — 3" = 1'-0" — 28

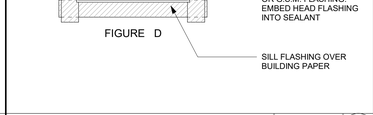


FIGURE A

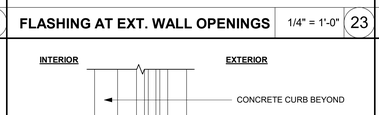


FIGURE B

FIGURE C

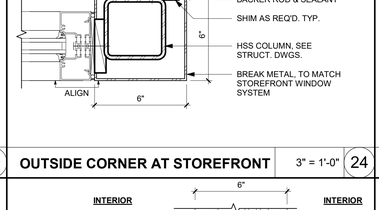
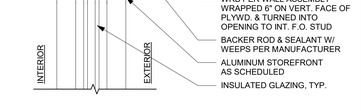


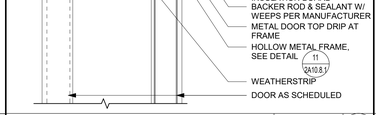
FIGURE D

FLASHING AT EXT. WALL OPENINGS — 1/4" = 1'-0" — 23

DOOR HEAD AT STOREFRONT — 3" = 1'-0" — 18

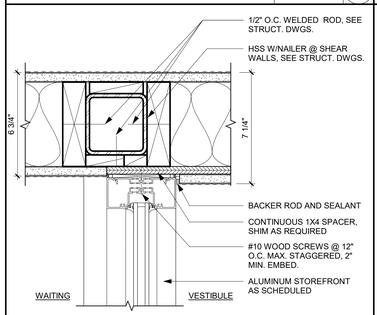


HEAD TO SOFFIT AT STOREFRONT — 3" = 1'-0" — 13

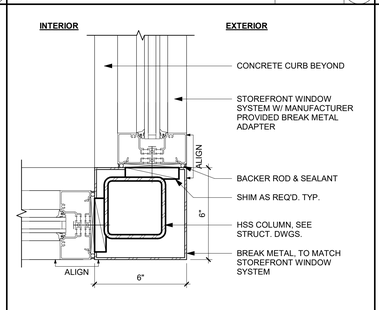


HEAD AT EXTERIOR HM DOOR — 3" = 1'-0" — 8

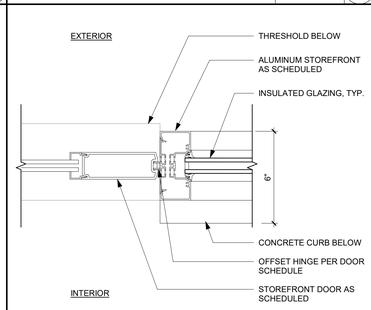
HEAD/JAMB AT INTERIOR DOOR — 3" = 1'-0" — 3



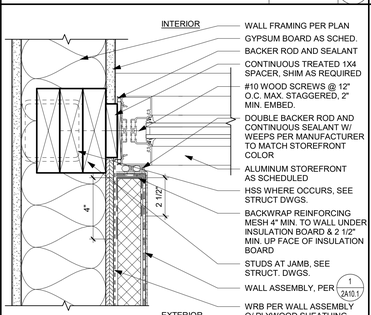
INT. JAMB AT VEST. STOREFRONT — 3" = 1'-0" — 29



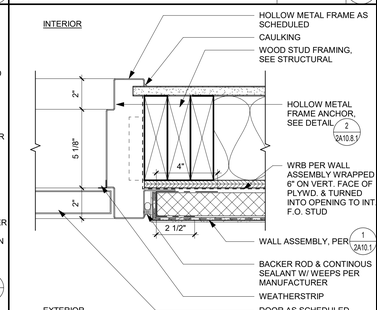
OUTSIDE CORNER AT STOREFRONT — 3" = 1'-0" — 24



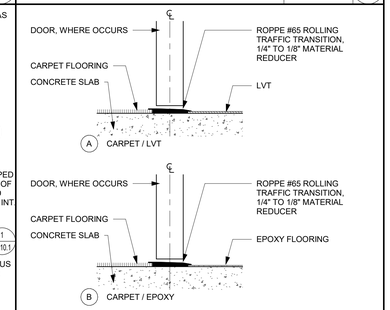
DOOR JAMB AT STOREFRONT — 3" = 1'-0" — 19



JAMB PERPENDICULAR AT STOREFRONT — 3" = 1'-0" — 14



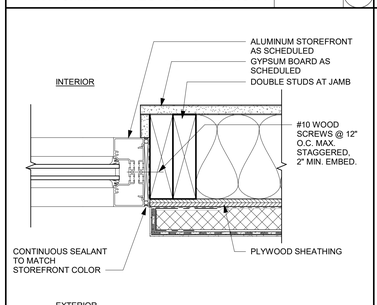
JAMB AT EXTERIOR HM DOOR — 3" = 1'-0" — 9



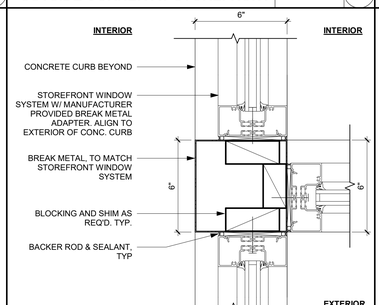
NOTES:
- **REFER TO ROOM FINISH SCHEDULE FOR INDIVIDUAL ROOM FLOOR FINISHES.**
- **ALL TRANSITIONS AND REDUCERS TO MATCH ADJACENT WALL BASES.**

REF: 10 / 2AA2.3

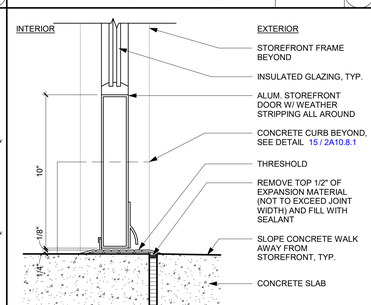
INTERIOR FLOOR TRANSITIONS — 3" = 1'-0" — 5



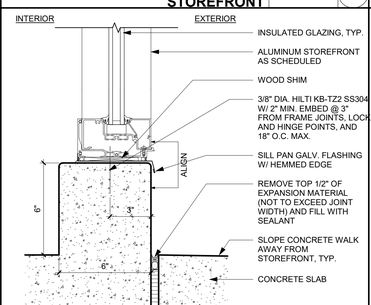
JAMB AT STOREFRONT — 3" = 1'-0" — 30



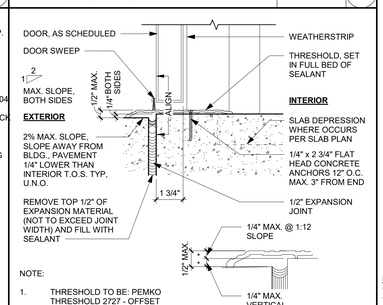
PERPENDICULAR INTERSECTION AT STOREFRONT — 3" = 1'-0" — 25



DOOR SILL AT STOREFRONT — 3" = 1'-0" — 20



CONCRETE CURB SILL AT STOREFRONT — 3" = 1'-0" — 15



SILL AT EXTERIOR DOOR — 3" = 1'-0" — 10

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Sacramento, California 95811
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LICENSED ARCHITECT — BRYAN P. WHITMORE — No. C 30345 — Ren. 08/31/27 — STATE OF CALIFORNIA
DATE SIGNED: 07/13/2026

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REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN

FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

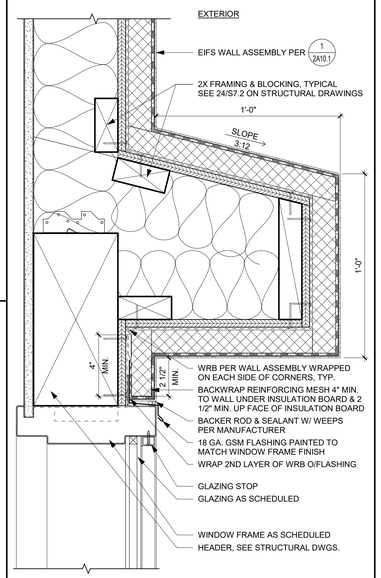
DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

DOOR AND WINDOW DETAILS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2A10.8.1
Drawn / Checked	
Author / Checker	

PRINT DATE: 7/13/2026 4:26:03 PM
FILE PATH: Autodesk Docs://25010 FCUSD Cordova Villa ES Mod/25010.1 - FCUSD Cordova Villa ES Mod - Phase 1.rvt



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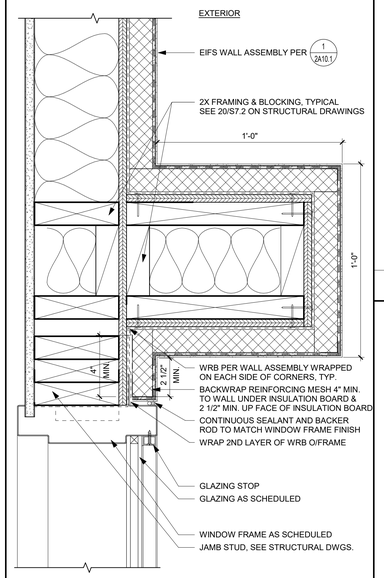
WINDOW HEAD AT BUMPOUT 3" = 1'-0" 17



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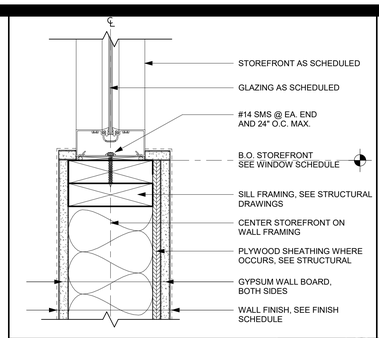
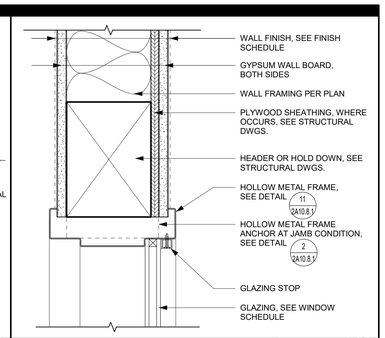
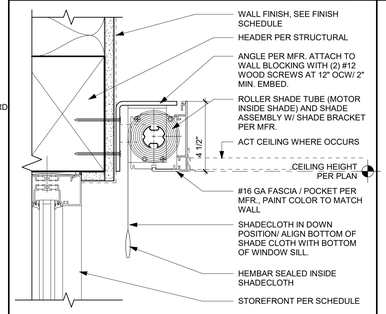


RAISED SILL AT INT. STOREFRONT 3" = 1'-0" 6



INTERIOR HM WINDOW HEAD/JAMB 3" = 1'-0" 1



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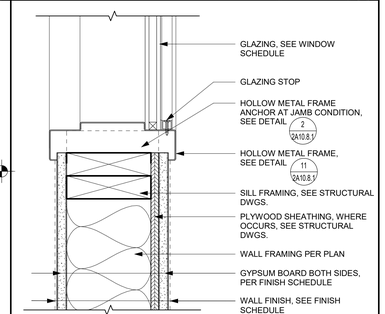
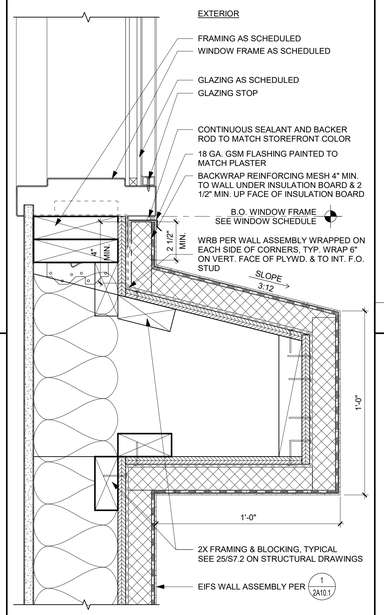


INTERIOR HM WINDOW RAISED SILL 3" = 1'-0" 2



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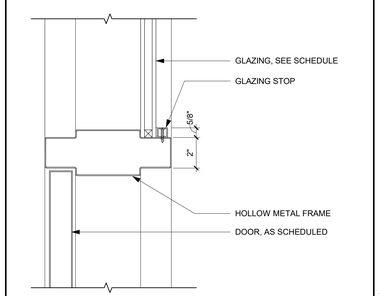
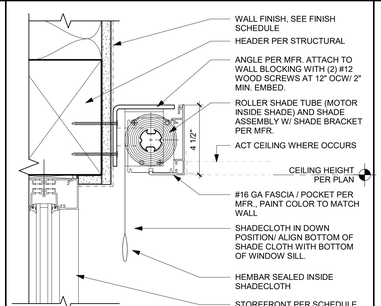
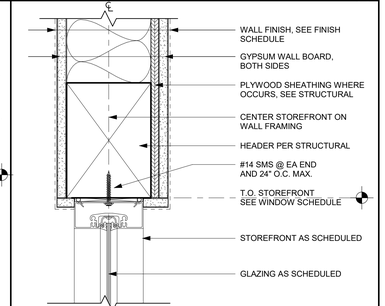
WINDOW SILL AT BUMPOUT 3" = 1'-0" 19



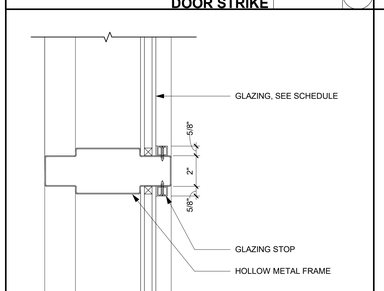
INTERIOR HM WINDOW MULLION AT DOOR STRIKE 3" = 1'-0" 13



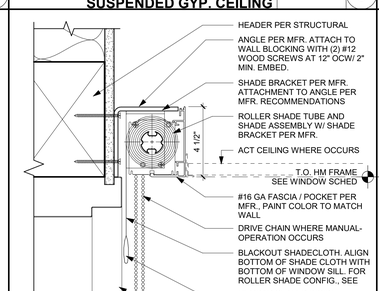
ROLLER SHADE AT STOREFRONT SUSPENDED GYP. CEILING 3" = 1'-0" 8



HEAD AT INTERIOR STOREFRONT 3" = 1'-0" 3



INTERIOR HM WINDOW MULLION HORIZONTAL 3" = 1'-0" 14



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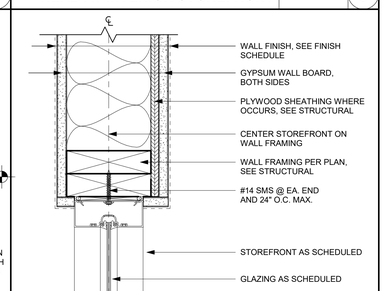

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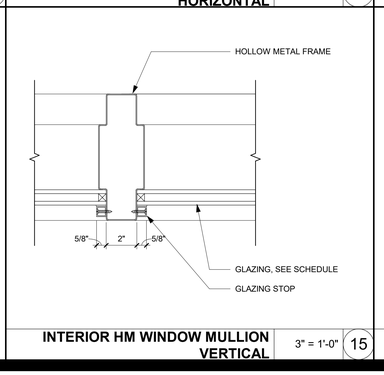
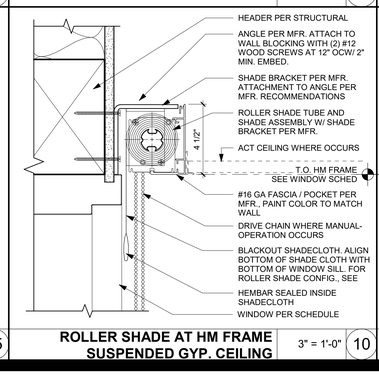


INTERIOR HM WINDOW MULLION VERTICAL 3" = 1'-0" 15



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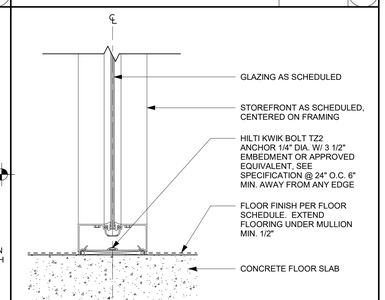

SILL AT INTERIOR STOREFRONT 3" = 1'-0" 5

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ARCHITECT	ENGINEER

LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Ren. 08/31/27 STATE OF CALIFORNIA
DATE SIGNED: 07/13/2026

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	DATE
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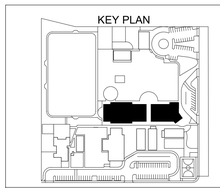
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
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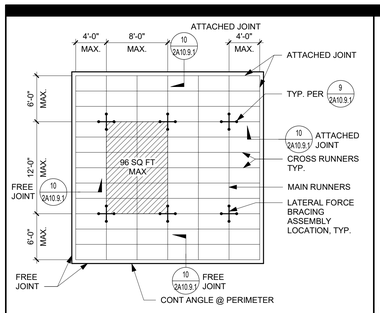
RANCHO CORDOVA, CA 95670

DOOR AND WINDOW DETAILS

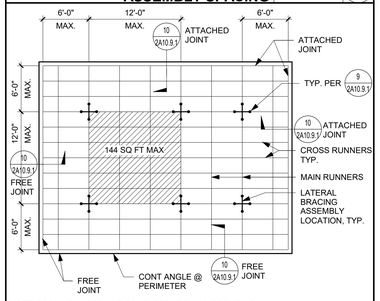
Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2A10.8.2
Drawn / Checked	
Author / Checker	



NOTE: BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 96 SQ. FT. MAX. IN ROOMS OVER 144 SQ. FT.

DSA IR 25-2 #2.11

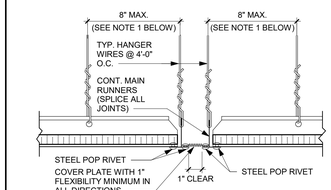
TYP. CEILING PLAN - 8'x12' BRACE ASSEMBLY SPACING 1/8" = 1'-0" 6B



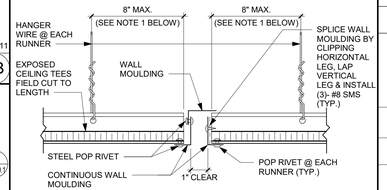
NOTE: BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 144 SQ. FT. MAX. IN ROOMS OVER 144 SQ. FT.

DSA IR 25-2 #2.12

TYP. CEILING PLAN - 12'x12' BRACE ASSEMBLY SPACING 1/8" = 1'-0" 6C



SEISMIC SEPARATION JOINT



ALTERNATE SEISMIC SEPARATION JOINT

NOTES:
1. DETAIL APPLIES TO SEISMIC SEPARATION JOINT AT CONTINUOUS CEILING AREAS EXCEEDING 2500 SQ. FT. SEE CEILING PLANS FOR LOCATION.
2. PROVIDE #12 GAUGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT (8) INCHES OF THE SUPPORT OR WITHIN ONE-FOURTH (1/4) OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS, FOR THE PERIMETER OF THE CEILING AREA.
3. PERIMETER WIRES ARE NOT REQUIRED WHEN THE LENGTH OF THE END TEE IS EIGHT (8) INCHES OR LESS.

DSA IR 25-2 #2.45

SEISMIC SEPARATION JOINT 3" = 1'-0" 22

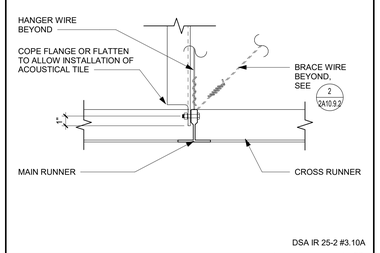
COMPRESSION STRUT TABLE

EMT COMPRESSION STRUT	MAXIMUM LENGTH
1/2" DIAMETER EMT (0.042" WALL THICKNESS)	3'-11"
3/4" DIAMETER EMT (0.049" WALL THICKNESS)	6'-4"
1" DIAMETER EMT (0.057" WALL THICKNESS)	9'-9"
1 1/4" DIAMETER EMT (0.065" WALL THICKNESS)	12'-9"
1 1/2" DIAMETER EMT (0.065" WALL THICKNESS)	14'-9"
2" DIAMETER EMT (0.065" WALL THICKNESS)	18'-10"

CHANNEL COMPRESSION STRUT	MAXIMUM LENGTH
250S125-33	5'-10"
250S137-33	6'-10"
362S137-33	8'-0"
250S137-43	8'-10"
400S137-43	10'-10"

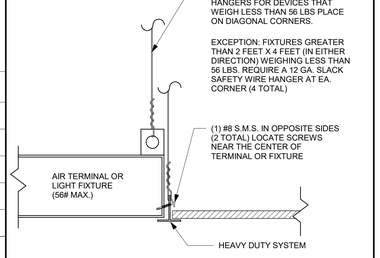
DSA IR 25-2 #3.21

COMPRESSION STRUT TABLE 3" = 1'-0" 17



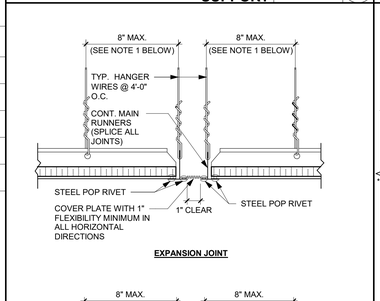
DSA IR 25-2 #3.10A

CHANNEL TYPE STRUT 3" = 1'-0" 18

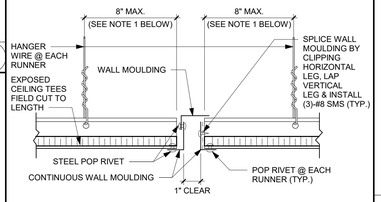


DSA IR 25-2 #2.80

LUMINAIRE / AIR TERMINAL SUPPORT 3" = 1'-0" 11



EXPANSION JOINT



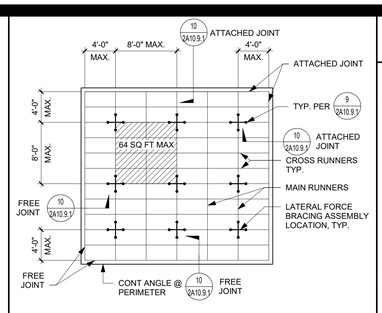
EXPANSION JOINT ALTERNATE

EXPANSION JOINTS AT THE INTERSECTION OF CORRIDORS AND AT JUNCTIONS OF CORRIDORS AND LOBBIES OR OTHER SIMILAR AREAS

NOTES:
1. DETAIL APPLIES TO EXPANSION JOINTS AT THE INTERSECTION OF CORRIDORS AND AT THE JUNCTIONS OF CORRIDORS AT LOBBIES AND OTHER SIMILAR AREAS.
2. PROVIDE #12 GAUGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT (8) INCHES OF THE SUPPORT OR WITHIN ONE-FOURTH (1/4) OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS, FOR THE PERIMETER OF THE CEILING AREA.
3. PERIMETER WIRES ARE NOT REQUIRED WHEN THE LENGTH OF THE END TEE IS EIGHT (8) INCHES OR LESS.

DSA IR 25-2 #2.40

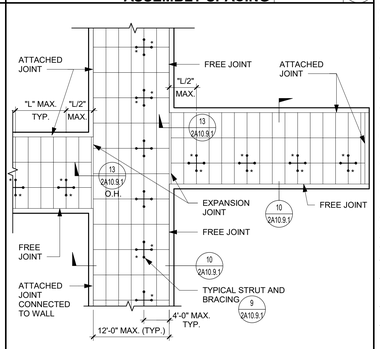
EXPANSION JOINT AT INTERSECTIONS 3" = 1'-0" 13



NOTE: BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 64 SQ. FT. MAX. IN ROOMS OVER 144 SQ. FT.

DSA IR 25-2 #2.10

TYP. CEILING PLAN - 8'x8' BRACE ASSEMBLY SPACING 1/8" = 1'-0" 6A

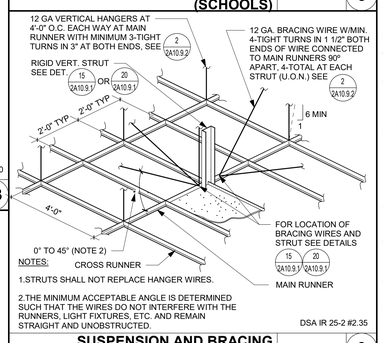


LOCATION OF EXPANSION/SLIP JOINTS IN CORRIDORS

NOTES:
1. "L" IS MAX. BRACE ASSEMBLY SPACING PER CEILING PLAN DETAIL 6A 2A10.9.1
   A. WHERE 8' x 8' SPACING IS SPECIFIED, USE "L" = 8'.

DSA IR 25-2 #2.30

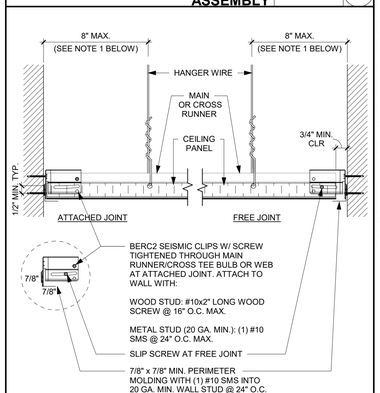
CORRIDOR CEILING PLAN (SCHOOLS) 3" = 1'-0" 8



NOTES:
1. STRUTS SHALL NOT REPLACE HANGER WIRES.
2. THE MINIMUM ACCEPTABLE ANGLE IS DETERMINED SUCH THAT THE WIRES DO NOT INTERFERE WITH THE RUNNERS, LIGHT FIXTURES, ETC. AND REMAIN STRAIGHT AND UNOBSTRUCTED.

DSA IR 25-2 #2.35

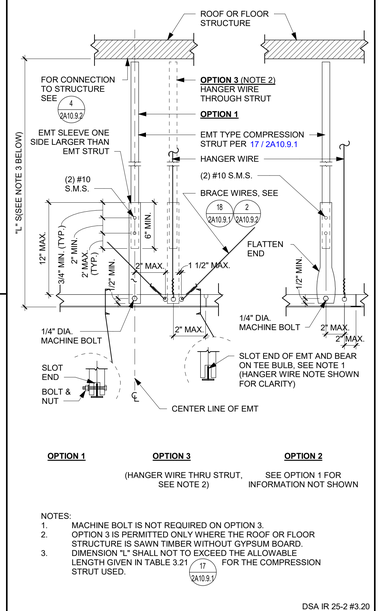
SUSPENSION AND BRACING ASSEMBLY 3" = 1'-0" 9



NOTES:
1. PROVIDE #12 GAUGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT (8) INCHES OF THE SUPPORT OR WITHIN ONE-FOURTH (1/4) OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS, FOR THE PERIMETER OF THE CEILING AREA. PERIMETER WIRES ARE NOT REQUIRED WHEN THE LENGTH OF THE END TEE IS EIGHT (8) INCHES OR LESS.

DSA IR 25-2 #2.60

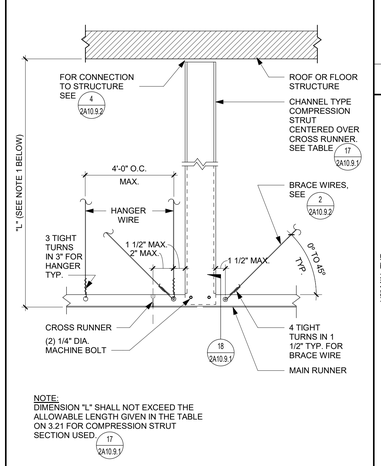
CEILING PERIMETER 3" = 1'-0" 10



NOTES:
1. MACHINE BOLT IS NOT REQUIRED ON OPTION 3.
2. OPTION 3 IS PERMITTED ONLY WHERE THE ROOF OR FLOOR STRUCTURE IS SAWN TIMBER WITHOUT GYPSUM BOARD.
3. DIMENSION "L" SHALL NOT TO EXCEED THE ALLOWABLE LENGTH GIVEN IN TABLE 3.21 17 2A10.9.1 FOR THE COMPRESSION STRUT USED.

DSA IR 25-2 #3.20

EMT TYPE STRUT 1 1/2" = 1'-0" 20



NOTE:
DIMENSION "L" SHALL NOT EXCEED THE ALLOWABLE LENGTH GIVEN IN THE TABLE ON 3.21 FOR COMPRESSION STRUT SECTION USED. 17 2A10.9.1

DSA IR 25-2 #3.10

CHANNEL TYPE STRUT 1 1/2" = 1'-0" 15

ACOUSTICAL CEILING NOTES

DSA IR-25-2.22 - APPENDIX A (rev 01/17/25)

1. CEILING SYSTEM COMPONENTS:

1.01 Ceiling system components shall comply with ASTM C635 and Section 5.1 ofASTM E580.

1.02 The ceiling grid system shall be rated heavy duty as defined by ASTM C635.

1.03 Ceiling systems. The following ceiling system(s) is/are part of the scope of this project:
Manufacturer's Name: **Armstrong**
Product Name: **Prelude XL (15/16" Exposed Tee System)**
Evaluation Report Type and Number: **ICC-ES, ESR-1308**
Main Runner Part, Model, or Catalog Number: **7301**
Cross Runner Part, Model, or Catalog Number: **XL7341 4 ft cross tee and L7328 2 ft cross tee**

1.04 Seismic Wall Clip:
Manufacturer's Model: **BERC-2 clip (Beam End Retaining Clip)**

1.05 Ceiling panels shall not support any luminaires, air terminals, or devices.

1.06 For acoustical tile panels of any material other than mineral or glass fiber, a ¾" clearance shall be provided between the panel and the wall on the sides of the ceiling free toslip. Clearance between ceiling grid runners and walls shall comply with the details on these drawings regardless of ceiling tile material.

2. MATERIALS:

2.01 Ceiling wire shall be Class 1 zinc coated (galvanized) carbon steel conforming to ASTM A641. Wire shall be #12 gauge (0.106" diameter) with soft temper and minimum ultimate tensile strength = 70 ksi.

2.02 Galvanized sheet steel (including that used for metal stud and track compression struts/post) shall conform to ASTM A653, or other equivalent sheet steel listed in Section A3.1 of the North American Specification for the Design of Cold-Formed Steel Structural Members, (AISI S100). Material 43 mil (18 gauge) and lighter shall have minimum yield strength of 33 ksi. Material 54 mil (16 gauge) and heavier shall have a minimum yield strength of 50 ksi.

2.03 Electrical metallic tube (EMT) shall be ANSI C80.3/UL 797 carbon steel with G90 galvanizing. EMT shall have minimum yield strength (F_y) of 30 ksi and minimum ultimate strength (F_u) of 48 ksi.

3. ATTACHMENT OF HANGER AND BRACING WIRES:

3.01 Separate all ceiling hanger and bracing wires at least six (6) inches from all un-braced ducts, pipes, conduit, etc.

3.02 Hanger and bracing wires shall not attach to or bend around obstructions including but not limited to: piping, ductwork, conduit and equipment.

3.03 Hanger wires that are more than one (horizontal) in six (vertical) out of plumb shall have counter-sloping wires.

3.04 Slack safety wires shall be considered hanger wires for installation and testing requirements.

3.05 Hanger and bracing wire anchorage to the structure shall be installed in such a manner that the direction of the anchorage aligns closely with the direction of the wire. (e.g. bracing wire ceiling clips must be bent as shown in the details and rotated as required to align closely with the direction of the wire, screw eyes in wood must be installed so they align closely with the direction of the wire, etc.)

4. FASTENERS AND WELDING:

4.01 Sheet metal screws shall comply with ASTM C1513, ASME B18.6.3. Penetration of screws through joined material shall not be less than three exposed threads.

4.02 Expansion anchors shall be: **HILTI KB-TZ2 ANCHOR ICC NO. ESR 4266**

4.03 Power-Actuated Fasteners shall be one of the following:
A. HILTI, INC.
1. 0.145 DIA. PAF X-CR INTO STEEL BASE MATERIAL - ICC NO. ESR 1663
2. 0.138 DIA. PAF X-CR INTO CONCRETE BASE MATERIAL - ICC NO. ESR 1663

4.04 If not otherwise specified in the evaluation report, power-actuated fasteners installed in steel shall be installed so the entire pointed end of the fastener is driven through the steel member.

4.05 Power-actuated fasteners in concrete or masonry are not permitted for bracing wires.

4.06 Concrete reinforcement and prestressing tendons shall be located by non-destructive means prior to installing post-installed anchor.

4.07 Welding shall be in accordance with AWS D1.3 using E60XX series electrodes.

5. TESTING:

5.01 All field testing must be performed in the presence of the project inspector.

5.02 Post-installed anchors in concrete used to support hanger wires shall be tested at a frequency of 10 percent. Power actuated fasteners in concrete shall be field tested for 200 pounds in tension. All other post-installed anchors in concrete shall be tested in accordance with CBC Section 1910A.5.

5.03 Post-installed anchors in concrete used to attach bracing wires shall be tested at a frequency of 50 percent in accordance with CBC Section 1910A.5.

6. LUMINAIRES:

6.01 All luminaires shall be positively attached to the ceiling suspension systems by mechanical means to resist a horizontal force equal to the weight of the fixture. A minimum of two screws or approved fasteners are required at each light fixture, per ASTM E580, Section 5.3.1.

6.02 Surface-mounted luminaires shall be attached to the main runner with at least two positive clamping devices. The clamping device shall completely surround the supporting ceiling runner and be made of steel with a minimum thickness of #14 gauge. Rotational spring catches do not comply. A #12 gauge slack safety wire shall be connected from each clamping device to the structure above. Provide additional supports when a luminaire is 8 feet or longer or exceeds 56 pounds Maximum spacing between supports shall not exceed 8 feet.

6.03 Luminaires weighing less than or equal to 10 pounds may be supported directly on the ceiling runners, shall haev a minimum of one #12 gauge slack safety wire connected from the fixture housing to the structure above.

6.04 Luminaires weighing greater than 10 pounds but less than or equal to 56 pounds may be supported directly on the ceiling runners, but they shall have a minimum of two #12 gauge slack safety wires connected from the fixture housing at diagonal corners to the structure above.

Exception: All luminaires greater than two by four feet weighing less than 56 pounds shall have a #12 gauge slack safety wire at each corner.

6.0.5 All luminaires weighing greater than 56 pounds shall be independently supported from the structure above. See support details on these drawings for more information.

7. SERVICES WITHIN THE CEILING:

7.01 All flexible sprinkler hose fitting mounting brackets, ceiling-mounted air terminals or other services shall be positively attached to the ceiling suspension systems by mechanical means. Screws or approved fasteners are required. A minimum of two attachments are required at each component.

7.02 Ceiling-mounted air terminals or other services weighing less than or equal to 20 pounds shall have one #12 gauge slack safety wire attached from the terminal or service to the structure above.

7.03 Ceiling-mounted services weighing more than 20 pounds but less than or equal to 56 pounds shall have two #12 gauge slack safety wires (at diagonal corners) connected from the terminal or service to the structure above.

7.04 Ceiling-mounted services weighing more than 56 pounds shall be independently supported from the structure above. See support details on these drawings for more information.

8. OTHER DEVICES WITHIN THE CEILING:

8.01 All lightweight miscellaneous devices, such as strobe lights, occupancy sensors, speakers, exit signs, etc., shall be attached to the ceiling grid. Devices weighing more than 10 pounds shall have a #12 gauge slack safety wire anchored to the structure above. Devices weighing more than 20 pounds shall be independently supported from the structure above.

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ARCHITECT	ENGINEER

LICENSED ARCHITECT BRYAN P. WHITMORE No. C 30345 Rec. 08/30/27 STATE OF CALIFORNIA
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KEY PLAN

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1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

CEILING DETAILS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2A10.9.1
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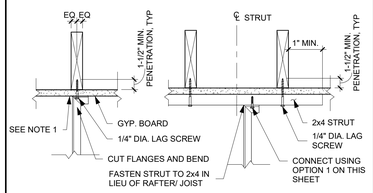
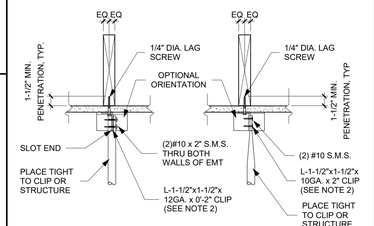


OPTION 1 **OPTION 2**

CHANNEL STRUT



OPTION 1 **OPTION 2**

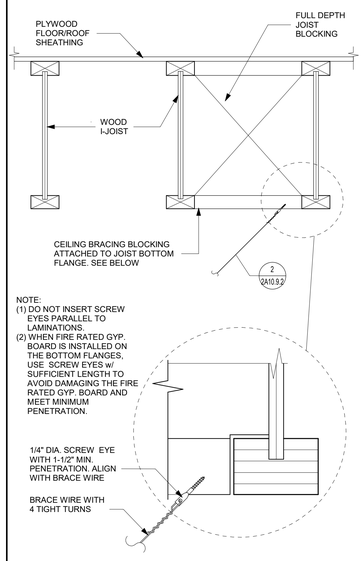
TUBE STRUT

NOTES:

1. WEB OF CHANNEL TO BEAR WITHIN WIDTH OF THE WOOD MEMBER.
2. FOR ANGLE ORIENTED IN THE STANDARD POSITION, VERTICAL LEG TO FALL WITHIN THE WIDTH OF THE WOOD MEMBER

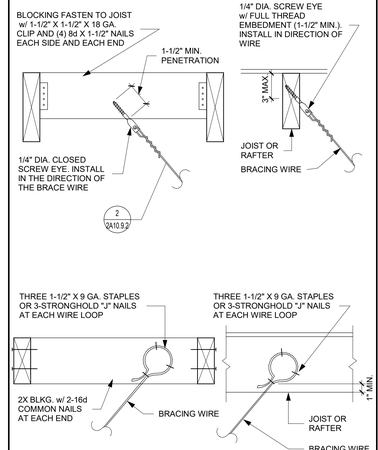
DSA IR 25-2 #5.50

STRUT CONNECTION TO SAWN TIMBER WITH GYPSUM BOARD — 1 1/2" = 1'-0" — 22



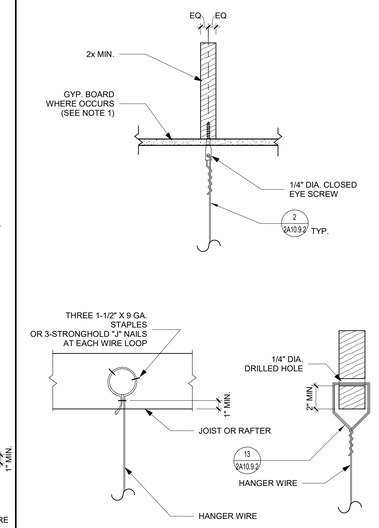
DS IR 25-2.22 #4.36

BRACING WIRE CONNECTION TO WOOD I-JOIST — 1/2" = 1'-0" — 17



DSA IR 25-2 #4.35

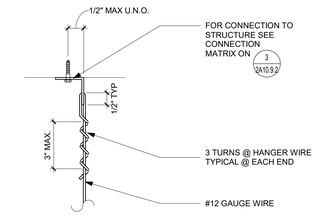
BRACING WIRE CONNECTION TO SAWN TIMBER — 1 1/2" = 1'-0" — 12



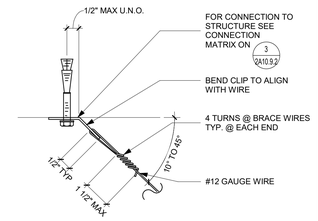
NOTE:
1. WHEN FIRE RATED GYP. BOARD IS INSTALLED ON THE BOTTOM FLANGES, USE SCREW EYES W/ SUFFICIENT LENGTH TO AVOID DAMAGING THE FIRE RATED GYP. BOARD AND MEET MIN. PENETRATION.

DSA IR 25-2 #4.25

HANGER WIRE CONNECTION TO SAWN TIMBER — 1 1/2" = 1'-0" — 7



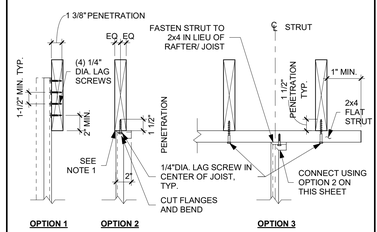
HANGER WIRE



BRACING WIRE

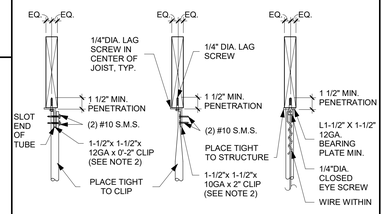
DSA IR 25-2 #4.10

HANGER AND BRACING WIRE TYPICAL WIRE TURNS — 3" = 1'-0" — 2



OPTION 1 **OPTION 2** **OPTION 3**

CHANNEL STRUT



OPTION 1 **OPTION 2** **OPTION 3**

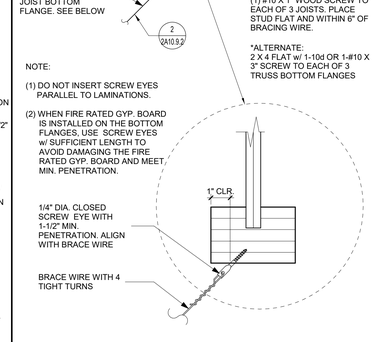
TUBE STRUT

NOTES:

1. WEB OF CHANNEL TO BEAR WITHIN WIDTH OF WOOD MEMBER.
2. VERTICAL LEG OF MEMBER TO FALL WITHIN THE WIDTH OF THE WOOD MEMBER.
3. SEE 22 2A10.9.2 FOR ADDITIONAL INFORMATION.

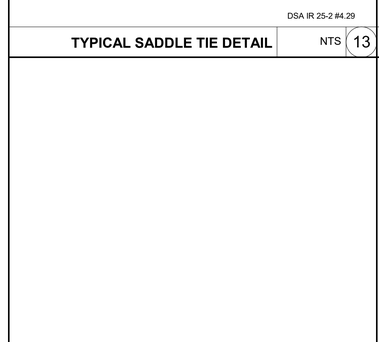
DSA IR 25-2 #5.51

STRUT CONNECTION TO SAWN TIMBER WITHOUT GYPSUM BOARD — 1 1/2" = 1'-0" — 24



DS IR 25-2.22 #4.37

BRACING WIRE CONNECTION TO WOOD I-JOIST — 1/2" = 1'-0" — 19

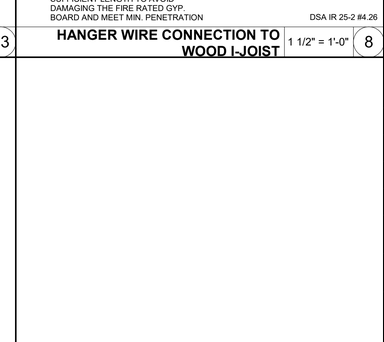


TYPICAL SADDLE TIE DETAIL

HANGER WIRE CONDITION SHOWN. BRACE WIRE CONDITION SIMILAR

DSA IR 25-2 #4.29

TYPICAL SADDLE TIE DETAIL — NTS — 13



NOTE:
1. WHEN FIRE RATED GYP. BOARD IS INSTALLED ON THE BOTTOM FLANGES, USE SCREW EYES W/ SUFFICIENT LENGTH TO AVOID DAMAGING THE FIRE RATED GYP. BOARD AND MEET MIN. PENETRATION

DSA IR 25-2 #4.26

HANGER WIRE CONNECTION TO WOOD I-JOIST — 1 1/2" = 1'-0" — 8

STRUCTURAL CONDITION OF FLOOR/ROOF ABOVE SUSPENDED CEILING	APPLICABLE HANGER WIRE DETAIL	APPLICABLE BRACING WIRE DETAIL
BARE METAL DECK	4.20 (N/A)	4.30 (N/A)
CONCRETE OVER METAL DECK	4.21 (N/A)	4.31 (N/A)
CONCRETE SLAB, BEAM, OR JOIST	4.22 (N/A)	4.32 (N/A)
STRUCTURAL STEEL	4.23 (N/A)	4.33 (N/A)
METAL STUD WALL	4.24 (N/A)	4.34 (N/A)
SAWN TIMBER	4.25 & 4.29 7 / 2A10.9.2 & 13 / 2A10.9.2	4.35 12 / 2A10.9.2
WOOD I-JOIST	4.26 8 / 2A10.9.2	4.36 & 4.37 17 / 2A10.9.2 & 19 / 2A10.9.2
OPEN WEB STEEL JOIST	4.28, 4.29 (N/A)	4.29, 4.39 (N/A)

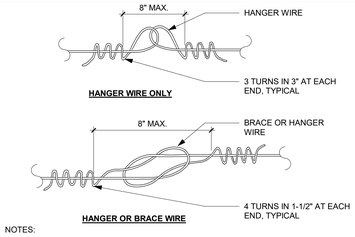
DSA IR 25-2 #4.11

HANGER AND BRACING WIRE CONNECTION MATRIX — NTS — 3

STRUCTURAL CONDITION OF FLOOR/ROOF ABOVE COMPRESSION STRUT	DETAIL
METAL DECK	5.20 (N/A)
CONCRETE OVER METAL DECK	5.21 (N/A)
CONCRETE SLAB, BEAM, OR JOIST	5.30 (N/A)
STRUCTURAL STEEL	5.40 (N/A)
SAWN TIMBER WITH GYPSUM BOARD	5.50 22 / 2A10.9.2
SAWN TIMBER WITHOUT GYPSUM BOARD	5.60 24 / 2A10.9.2

DSA IR 25-2 #5.10

COMPRESSION STRUT CONNECTION TO STRUCTURE — NTS — 4



HANGER WIRE ONLY

HANGER OR BRACE WIRE

NOTES:

1. WIRE SPLICES ARE SHOWN LOOSELY TIED FOR ILLUSTRATIVE PURPOSES ONLY AND SHALL BE DRAWN TIGHT TO COMPLETE INSTALLATION WHEN CONSTRUCTED.
2. WIRE LOOPS SHALL BE TIGHTLY WRAPPED AND SHARPLY BENT TO PREVENT ANY VERTICAL MOVEMENT OR ROTATION WITHIN THE LOOPS.
3. EACH HANGER AND BRACE WIRE SHALL BE SPLICED NO MORE THAN ONCE ALONG ITS LENGTH.

DSA IR 25-2 #6.10

CEILING WIRE SPLICES — 3" = 1'-0" — 5

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ARCHITECT	ENGINEER

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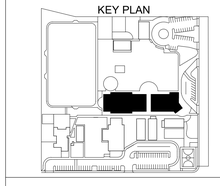
KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

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CEILING DETAILS - WOOD STRUCTURE

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2A10.9.2
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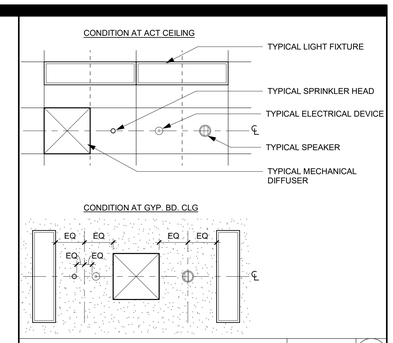
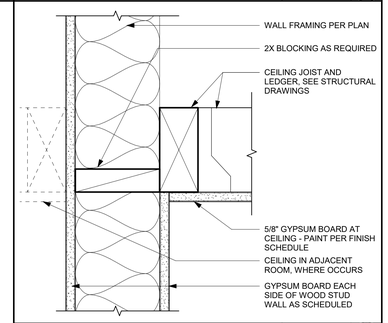
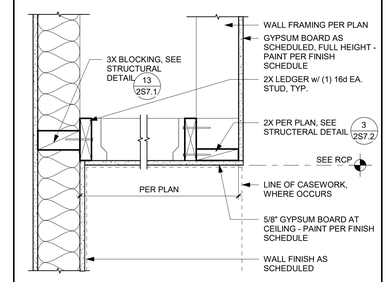


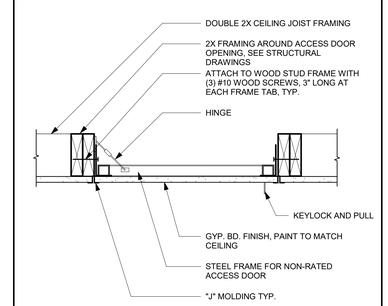
TYPICAL DEVICE LAYOUT 3/8" = 1'-0" 1



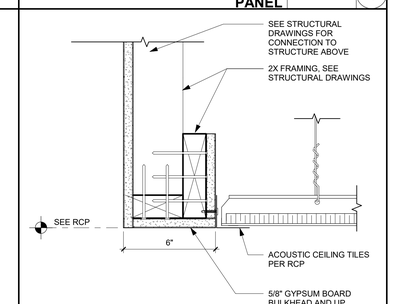
GYPSUM BOARD CEILING 3" = 1'-0" 2



GYPSUM BOARD SOFFIT 1 1/2" = 1'-0" 3



NON-RATED CEILING ACCESS PANEL 1 1/2" = 1'-0" 4



BULKHEAD AT ACT TRANSITION 3" = 1'-0" 5

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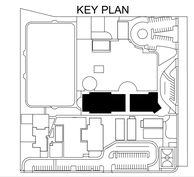

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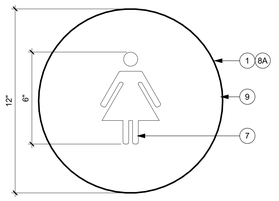
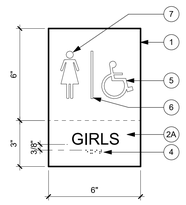


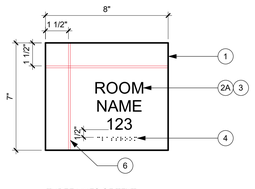
NOTE: FOR SIGNAGE KEYNOTE LEGEND AND SIGNAGE GENERAL NOTES, SEE DETAIL 2/2A10.10.7

GIRLS DOOR SIGNAGE 3" = 1'-0" 21



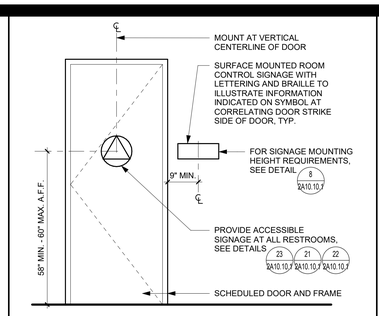
NOTE: FOR SIGNAGE KEYNOTE LEGEND AND SIGNAGE GENERAL NOTES, SEE DETAIL 2/2A10.10.7

GIRLS WALL MOUNTED SIGNAGE 3" = 1'-0" 16



NOTE: FOR SIGNAGE KEYNOTE LEGEND AND SIGNAGE GENERAL NOTES, SEE DETAIL 2/2A10.10.7

ROOM ID SIGNAGE 3" = 1'-0" 12



ROOM CONTROL SIGNAGE 1/2" = 1'-0" 6

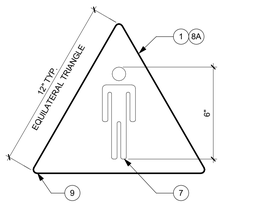
SIGNAGE GENERAL NOTES

1. FOR TYPICAL MOUNTING DISTANCE FROM DOOR FRAME, SEE DETAIL 6 / 2A10.10.1
2. FOR MOUNTING ATTACHMENTS, SEE DETAIL 7 / 2A10.10.1
3. FOR SIGNAGE MOUNTING HEIGHT REQUIREMENTS, SEE DETAIL 8 / 2A10.10.1
4. SIGNS AND IDENTIFICATION DEVICES SHALL BE FIELD INSPECTED AFTER INSTALLATION AND APPROVED BY THE ENFORCING AGENCY PRIOR TO THE ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY PER CBC CHAPTER 1, DIVISION II, SECTION 111, OR FINAL APPROVAL WHERE NO CERTIFICATE OF OCCUPANCY IS ISSUED. THE INSPECTION SHALL INCLUDE, BUT NOT BE LIMITED TO, VERIFICATION THAT BRAILLE DOTS AND CELLS ARE PROPERLY SPACED AND THE SIZE, PROPORTION AND TYPE OF RAISED CHARACTERS ARE IN COMPLIANCE WITH THESE REGULATIONS (CBC 11B-703.1.1.2).

SIGNAGE KEYNOTES

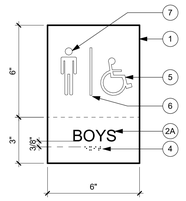
1. EXTRUDED CLEAR ACRYLIC SIGN WITH A NON GLARE BACKGROUND OF 70% CONTRASTING COLOR TO TEXT AND ONE PIECE CONSTRUCTION PER SPECIFICATIONS
   BACKGROUND COLOR:
   THICKNESS: 1/4"
2A. 1/32" RAISED TEXT, CENTER JUSTIFIED ON PLAQUE
   TEXT STYLE: HELVETICA, ALL CAPS
   TEXT HEIGHT: 3/4" U.O.N.
   TEXT COLOR:
2B. 1/32" RAISED TEXT, LEFT JUSTIFIED ON PLAQUE
   TEXT STYLE: HELVETICA, ALL CAPS
   TEXT HEIGHT: 3/4" U.O.N.
   TEXT COLOR:
3. VERIFY ROOM NAMES AND NUMBERS PRIOR TO FABRICATION
   10 LETTERS PER LINE, MAXIMUM
4. CALIFORNIA ROUNDED TOP CONTRACTED GRADE 2 BRAILLE BELOW RAISED TEXT (11B-703.3.2). DISTANCE FROM BOTTOM OF RAISED LETTERS TO TOP OF BRAILLE CHARACTERS SHALL BE 3/8" MINIMUM AND 1/2" MAXIMUM. BRAILLE TO BE CENTER JUSTIFIED OR LEFT JUSTIFIED TO MATCH RAISED TEXT. FOR MORE INFORMATION ON BRAILLE REQUIREMENTS, SEE DETAIL 5 / 2A10.10.1
5. INTERNATIONAL SYMBOL OF ACCESSIBILITY PICTOGRAM
   COLOR:
6. 1/8" WIDE RAISED DECORATIVE STRIPE
   COLOR TO MATCH TEXT
7. RAISED PICTOGRAM
   COLOR:
8A. CONTRAST 70% WITH DOOR COLOR
8B. 1/4" THICK, 12" DIA. CIRCLE WITH A 1/4" THICK EQUILATERAL TRIANGLE SYMBOL SUPERIMPOSED ON AND GEOMETRICALLY INSCRIBED WITHIN THE 12" DIA. CIRCLE SYMBOL. VERTICES OF THE TRIANGLE SYMBOL SHALL BE LOCATED 1/4" MAX. FROM THE EDGE OF THE CIRCLE SYMBOL WITH A VERTEX POINTING UPWARD. TRIANGLE SYMBOL SHALL CONTRAST THE COLOR OF THE CIRCLE SYMBOL. CIRCLE SYMBOL SHALL CONTRAST 70% THE DOOR COLOR.
   TRIANGLE COLOR:
   CIRCLE COLOR:
9. PROVIDE EASED OR ROUNDED EDGES A 1/16" MIN. OR CHAMFERED AT 1/8" MAX. VERTICES SHALL BE RADIUSED BETWEEN 1/8" MINIMUM AND 1/4" MAX.

TYPICAL SIGNAGE NOTES 12" = 1'-0" 2



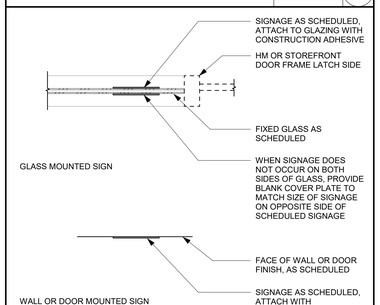
NOTE: FOR SIGNAGE KEYNOTE LEGEND AND SIGNAGE GENERAL NOTES, SEE DETAIL 2/2A10.10.7

BOYS DOOR SIGNAGE 3" = 1'-0" 22

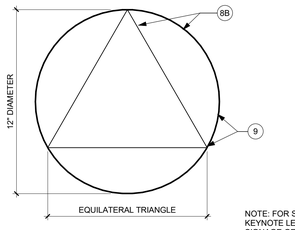


NOTE: FOR SIGNAGE KEYNOTE LEGEND AND SIGNAGE GENERAL NOTES, SEE DETAIL 2/2A10.10.7

BOYS WALL MOUNTED SIGNAGE 3" = 1'-0" 17

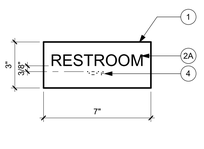


SIGNAGE MOUNTING TYPES 1" = 1'-0" 7



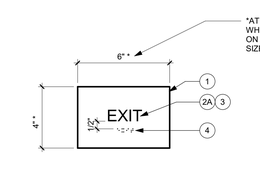
NOTE: FOR SIGNAGE KEYNOTE LEGEND AND SIGNAGE GENERAL NOTES, SEE DETAIL 2/2A10.10.7

UNISEX DOOR SIGNAGE 3" = 1'-0" 23



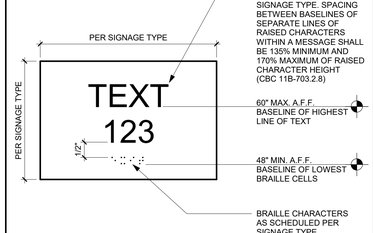
NOTE: FOR SIGNAGE KEYNOTE LEGEND AND SIGNAGE GENERAL NOTES, SEE DETAIL 2/2A10.10.7

UNISEX WALL MOUNTED SIGNAGE 3" = 1'-0" 18



NOTE: FOR SIGNAGE KEYNOTE LEGEND AND SIGNAGE GENERAL NOTES, SEE DETAIL 2/2A10.10.7

EXIT SIGNAGE 3" = 1'-0" 13



SIGNAGE MOUNTING HEIGHTS 6" = 1'-0" 8

TABLE 11B-703.3.1
BRAILLE DIMENSIONS

MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
DOT BASE DIAMETER	0.059" (1.5MM) TO 0.063" (1.6MM)
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL *	0.100" (2.5MM)
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS *	0.300" (7.6MM)
DOT HEIGHT RANGE	0.025" (0.6MM) TO 0.037 (0.9MM)
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW *	0.395" (10MM) TO 0.400" (10.2MM)
* MEASURED CENTER TO CENTER	

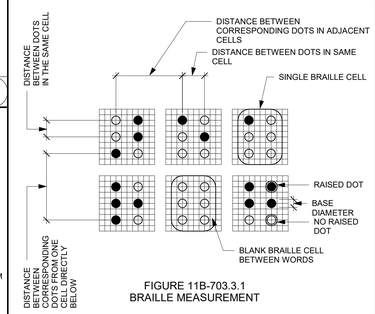
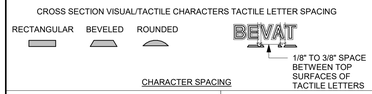


FIGURE 11B-703.3.1
BRAILLE MEASUREMENT

CROSS SECTION VISUAL/TACTILE CHARACTERS TACTILE LETTER SPACING



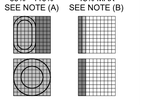
CHARACTER SPACING

NOTE:

(A) "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE "T"

(B) STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER

WIDTH TO HEIGHT RATIO	STROKE TO HEIGHT RATIO
60% - 110% SEE NOTE (A)	15% MAX SEE NOTE (B)



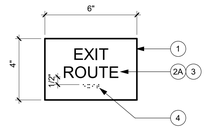
FONT RATIO

MINIMUM 70% CONTRAST DIFFERENCE BETWEEN CHARACTERS/GRAPHICS AND BACKGROUND

CONTRAST

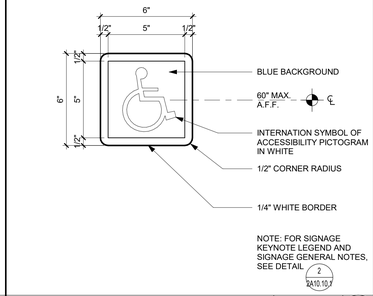
NOTE: FOR SIGNAGE KEYNOTE LEGEND AND SIGNAGE GENERAL NOTES, SEE DETAIL 2/2A10.10.7

MAXIMUM OCCUPANCY SIGNAGE 3" = 1'-0" 19



NOTE: FOR SIGNAGE KEYNOTE LEGEND AND SIGNAGE GENERAL NOTES, SEE DETAIL 2/2A10.10.7

EXIT ROUTE SIGNAGE 3" = 1'-0" 14

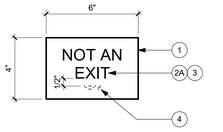


NOTE: FOR SIGNAGE KEYNOTE LEGEND AND SIGNAGE GENERAL NOTES, SEE DETAIL 2/2A10.10.7

ACCESSIBILITY SIGNAGE 3" = 1'-0" 9

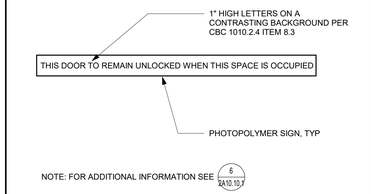
NOTE: FOR SIGNAGE KEYNOTE LEGEND AND SIGNAGE GENERAL NOTES, SEE DETAIL 2/2A10.10.7

ASSISTIVE LISTENING SYSTEM AVAILABLE SIGN 3" = 1'-0" 20



NOTE: FOR SIGNAGE KEYNOTE LEGEND AND SIGNAGE GENERAL NOTES, SEE DETAIL 2/2A10.10.7

NOT AN EXIT SIGNAGE 3" = 1'-0" 15



ABOVE DOOR SIGNAGE 12" = 1'-0" 10

SIGNAGE DESIGN REQUIREMENTS 1 1/2" = 1'-0" 5

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

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1930 H Street
Sacramento, California 95811
[T] 916.254.5600
www.StudioW-Architects.com

ARCHITECT	ENGINEER
LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Ren. 8/30/27 STATE OF CALIFORNIA DATE SIGNED: 07/13/2026	

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REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN

FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

SPECIALTIES

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2A10.10.1
Drawn / Checked	
Author / Checker	

PRINT DATE: 7/13/2026 4:26:10 PM
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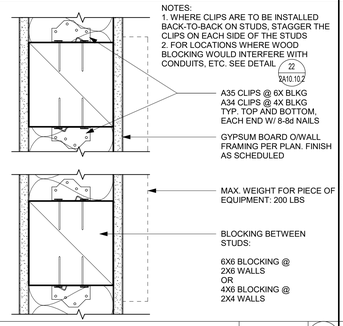
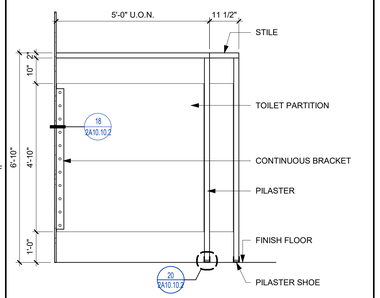
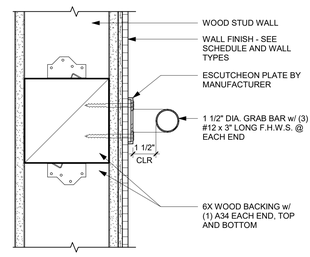


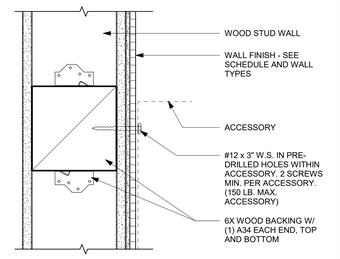
TYPICAL WALL BLOCKING 3" = 1'-0" 21



TYPICAL TOILET PARTITION 1/2" = 1'-0" 16



GRAB BAR ANCHORAGE 3" = 1'-0" 11

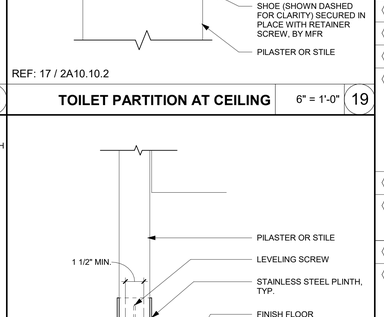


TYPICAL ACCESSORY MOUNTING 3" = 1'-0" 6

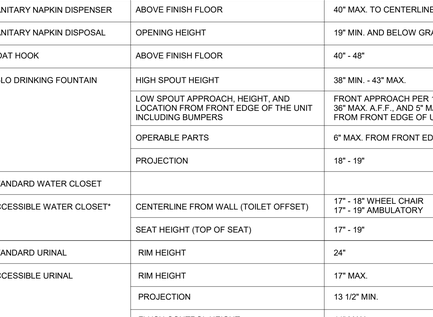
KEYNOTES

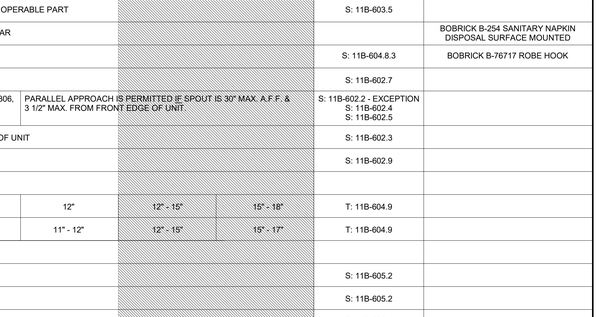
NUMBER	NOTE
10 201	TOILET PARTITION BETWEEN STALLS, AND PILASTERS (SEE DETAIL 16/A10.10.2)
10 202	TOILET PARTITION DOOR
10 203	GRAB BAR (SEE DETAIL 11/A10.10.2)
10 210	SANITARY NAPKIN DISPOSAL, SEMI-RECESSED
10 211	TOILET SEAT COVER DISPENSER, SURFACE MOUNTED
10 212	TOILET PAPER DISPENSER, SURFACE MOUNTED
10 215	SANITARY NAPKIN DISPOSAL, SURFACE MOUNTED
10 220	MIRROR
10 221	SOAP DISPENSER, SURFACE MOUNTED
10 222	ELECTRIC HAND DRYER, SURFACE MOUNTED
10 229	COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE, SEMI-RECESSED
10 901	COAT HOOK
22 410	WALL MOUNTED WATER CLOSET (SEE DETAIL 25/A10.10.2)
22 411	FLOOR MOUNTED WATER CLOSET
22 413	FLOOR MOUNTED WATER CLOSET, AGES 5-8
22 420	URINAL
22 421	URINAL, ACCESSIBLE
22 431	LAVATORY

FLAT STRAP BACKING 3" = 1'-0" 22



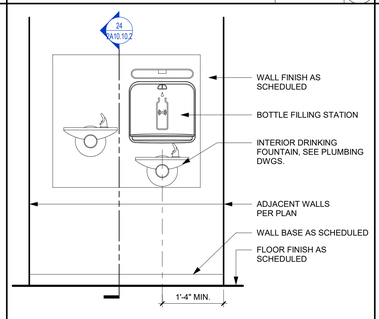
TYPICAL URINAL SCREEN 1/2" = 1'-0" 17



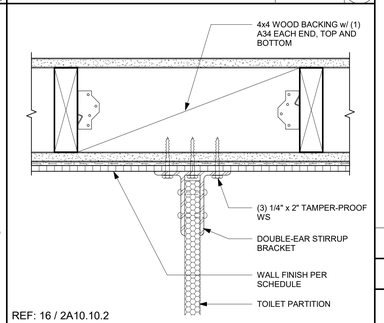


NOTES:
1. ALL DIMENSIONS MARKED WITH AN ASTERISK (*) REFERENCE TOILET FIXTURES AND ACCESSORIES SCHEDULE BELOW.
2. FOR TYPICAL ACCESSORY MOUNTING SEE DETAIL 6 / 2A10.10.2
3. REFER TO KEYNOTE LIST FOR ADDITIONAL DETAILS.

TYPICAL FIXTURE AND ACCESSORY DIMENSIONS 1/4" = 1'-0" 3

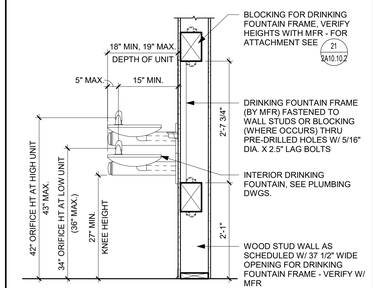


HI-LO DRINKING FOUNTAIN 3/4" = 1'-0" 23



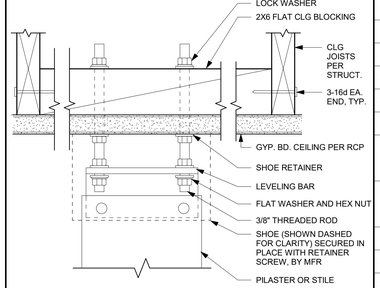
REF: 16 / 2A10.10.2

TOILET PARTITION AT WALL 3" = 1'-0" 18



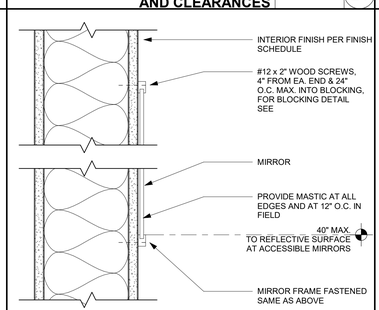
REF: 23 / 2A10.10.2

HI LO DRINKING FOUNTAIN SECTION AND CLEARANCES 3/4" = 1'-0" 24



REF: 17 / 2A10.10.2

TOILET PARTITION AT CEILING 6" = 1'-0" 19



MIRROR ATTACHMENT 3" = 1'-0" 25

REF: 16 / 2A10.10.2

TOILET PARTITION AT FLOOR 3" = 1'-0" 20

TOILET FIXTURES AND ACCESSORIES SCHEDULE

KEY	FIXTURE	DIMENSION REFERENCE	ADULT DIMENSION	PER TABLE 11B-604.9 (2022 CBC) SUGGESTED DIMENSIONS FOR CHILDREN'S USE*			2019 CBC REFERENCES: T: TABLE S: SECTION F: FIGURE	RECOMMENDED TOILET ACCESSORIES MANUFACTURER (BASIS OF DESIGN)
				AGES 3-4*	AGES 5-8*	AGES 9-12*		
10 203	GRAB BAR*	TOP OF GRIPPING SURFACE	33" - 36"	18" - 20"	20" - 25"	25" - 27"	T: 11B-604.9	BOBRICK 5806 (STRAIGHT GRAB BARS)
10 201	TOILET PARTITION	TOE CLEARANCE	9" MIN.		12" MIN.			
10 202	URINAL SCREEN							
10 221	SOAP DISPENSER	ABOVE FINISH FLOOR	40" MAX. TO CENTERLINE OF OPERABLE PART				S: 11B-603.5	BOBRICK B-2111 SOAP DISPENSER SURFACE MOUNTED
10 222	ELECTRIC HAND DRYER	ABOVE FINISH FLOOR	40" MAX. TO CENTERLINE OF OPERABLE PART				S: 11B-603.5	
10 229	PAPER TOWEL DISPENSER W/ WASTE RECEPTACLE	ABOVE FINISH FLOOR	40" MAX. TO CENTERLINE OF OPERABLE PART				S: 11B-603.5	
10 211	SEAT COVER DISPENSER	ABOVE FINISH FLOOR	40" MAX. TO CENTERLINE OF OPERABLE PART				S: 11B-603.5	BOBRICK B-221 SEAT COVER DISPENSER SURFACE MOUNTED
10 220	MIRROR	BOTTOM EDGE OF REFLECTING SURFACE	40" MAX. ABOVE LAVATORY OR COUNTERTOP 35" MAX. NOT ABOVE LAVATORY OR COUNTERTOP				S: 11B-603.3	BOBRICK B-290 MIRROR 24" X 30"
		BOTTOM EDGE OF REFLECTING SURFACE	20" MAX. IN DRESSING, FITTING, & LOCKER ROOMS				S: 11B-603.6	
10 212	TOILET PAPER DISPENSER*	OUTLET HEIGHT	19" MIN. AND BELOW GRAB BAR	14"	14" - 17"	17" - 19"	T: 11B-604.9 S: 11B-604.7	BOBRICK B-2888 TOILET TISSUE DISPENSER SURFACE MOUNTED
		FURTHEST IN FRONT OF WATER CLOSET	7" MIN. - 9" MAX. TO CENTERLINE OF DISPENSER					
10 210	SANITARY NAPKIN DISPENSER	ABOVE FINISH FLOOR	40" MAX. TO CENTERLINE OF OPERABLE PART				S: 11B-603.5	
10 215	SANITARY NAPKIN DISPOSAL	OPENING HEIGHT	19" MIN. AND BELOW GRAB BAR					BOBRICK B-254 SANITARY NAPKIN DISPOSAL SURFACE MOUNTED
10 901	COAT HOOK	ABOVE FINISH FLOOR	40" - 48"				S: 11B-604.8.3	BOBRICK B-76717 ROBE HOOK
22 403	HI-LO DRINKING FOUNTAIN	HIGH SPOUT HEIGHT	38" MIN. - 43" MAX.				S: 11B-602.7	
		LOW SPOUT APPROACH, HEIGHT, AND LOCATION FROM FRONT EDGE OF THE UNIT INCLUDING BUMPERS	FRONT APPROACH PER 11B-306, 36" MAX. A.F.F., AND 5" MAX. FROM FRONT EDGE OF UNIT.	PARALLEL APPROACH IS PERMITTED IF SPOUT IS 30" MAX. A.F.F. & 3 1/2" MAX. FROM FRONT EDGE OF UNIT			S: 11B-602.2 - EXCEPTION S: 11B-602.4 S: 11B-602.5	
		OPERABLE PARTS	6" MAX. FROM FRONT EDGE OF UNIT				S: 11B-602.3	
		PROJECTION	18" - 19"				S: 11B-602.9	
22 410	STANDARD WATER CLOSET							
22 411	ACCESSIBLE WATER CLOSET*	CENTERLINE FROM WALL (TOILET OFFSET)	17" - 18" WHEEL CHAIR 17" - 19" AMBULATORY	12"	12" - 15"	15" - 18"	T: 11B-604.9	
		SEAT HEIGHT (TOP OF SEAT)	17" - 19"	11" - 12"	12" - 15"	15" - 17"	T: 11B-604.9	
22 420	STANDARD URINAL	RIM HEIGHT	24"					
22 421	ACCESSIBLE URINAL	RIM HEIGHT	17" MAX.				S: 11B-605.2	
		PROJECTION	13 1/2" MIN.				S: 11B-605.2	
		FLUSH CONTROL HEIGHT	44" MAX.				S: 11B-605.4	
22 431	LAVATORY (W/ INSULATED DRAIN)	SINK RIM HEIGHT	34" MAX.		31" MAX.		S: 11B-606.2 S: 11B-606.3	
		SINK KNEE CLEARANCE	27" MIN. (29" AT APRON FOR LAVATORY)	PARALLEL APPROACH PERMITTED	AGE 5: PARALLEL APPROACH PERMITTED AGES 6-8: 24" MIN.	24" MIN.	S: 11B-606.2 F: 11B-306.3	

NOTES:
1. ALL FIXTURES AND ACCESSORIES ARE ACCESSIBLE UNLESS OTHERWISE NOTED OR DIMENSIONED.
   A. (*) WHEN A SPECIFIC AGE GROUP IS CALLED OUT ON THE ENLARGED RESTROOM PLANS, ALL FIXTURES AND ACCESSORIES MARKED WITH AN ASTERISK (*) SHALL BE INSTALLED AT HEIGHTS INDICATED PER THAT AGE GROUP.
2. SEE ENLARGED TOILET PLAN DRAWINGS FOR TOILET ACCESSORY LOCATIONS.
3. ALL ACCESSORIES ARE TO BE ACCESSIBLE WITH A MAXIMUM REACH HEIGHT OF 3'-4" FROM FLOOR TO TOP OF FUNCTIONAL POINT.
4. ALL HEIGHT DIMENSIONS ARE A.F.F. (OR A.F.G. FOR EXTERIOR). ALL HORIZONTAL DIMENSIONS ARE TO FACE OF FINISH.
5. FOR TYPICAL ACCESSORY BACKING INFORMATION, SEE DETAIL 6 / 2A10.10.2

DSA STAMP

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APP: 02-123800 INC: 02
REVIEWED FOR
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DATE: 07/31/2026

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ARCHITECT | ENGINEER

LICENSED ARCHITECT BRIAN P WHITMORE No. C 30345 Rene. 8/30/27 STATE OF CALIFORNIA

DATE SIGNED: 07/13/2026

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DRAWING STATUS

	DATE
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● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN

FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

SPECIALTIES

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2A10.10.2
Drawn / Checked	
Author / Checker	

PRINT DATE: 7/13/2026 4:26:12 PM
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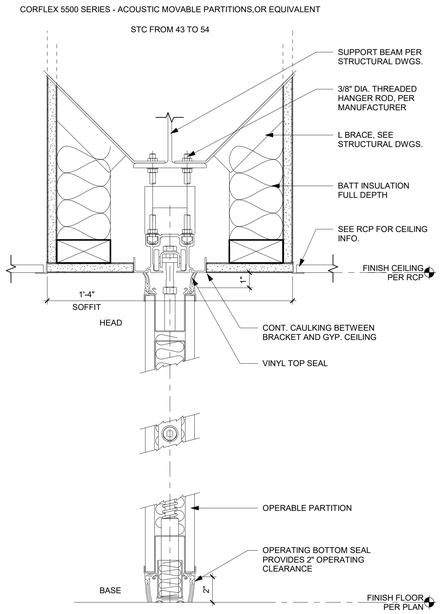
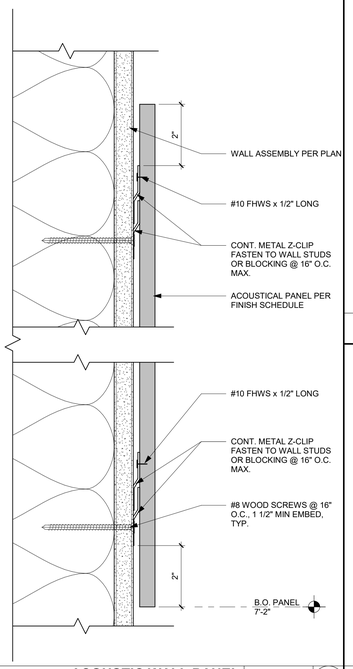
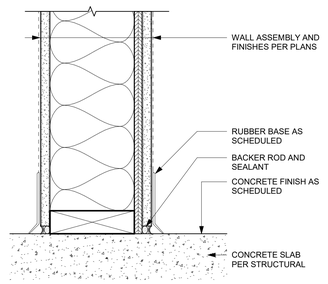


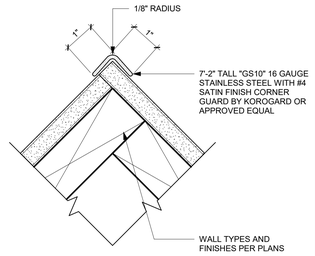
ACOUSTIC MOVABLE PARTITION - SECTION 3" = 1'-0" 22



ACOUSTIC WALL PANEL ATTACHMENT 6" = 1'-0" 17

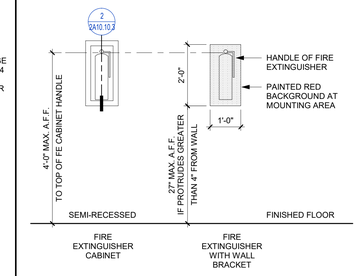


WALL BASE AT CONCRETE FLOOR 3" = 1'-0" 11

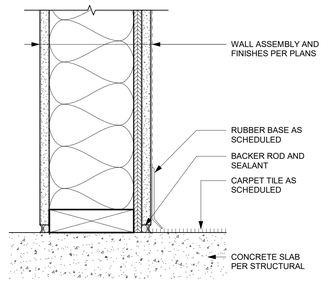


NOTE:
CORNER GUARDS ATTACHED BY MASTIC CONSTRUCTION ADHESIVE

S.S. CORNER GUARD 6" = 1'-0" 6

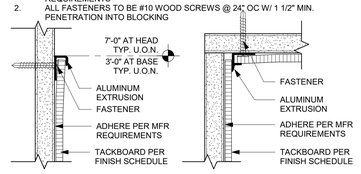


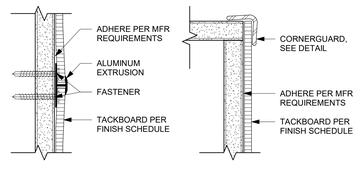
FIRE EXTINGUISHER CABINET 1/2" = 1'-0" 1

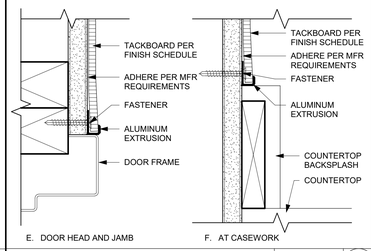


WALL BASE AT CARPET 3" = 1'-0" 12

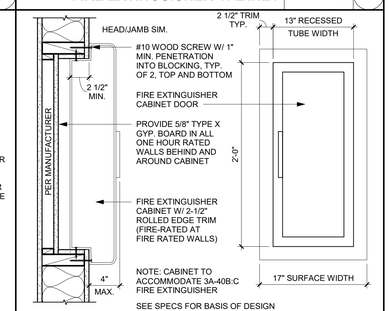
NOTES:
1. GYPSUM BOARD BEHIND TACKBOARD SHALL BE PREPPED PER MFR REQUIREMENTS
2. ALL FASTENERS TO BE #10 WOOD SCREWS @ 24" OC W/ 1 1/2" MIN. PENETRATION INTO BLOCKING







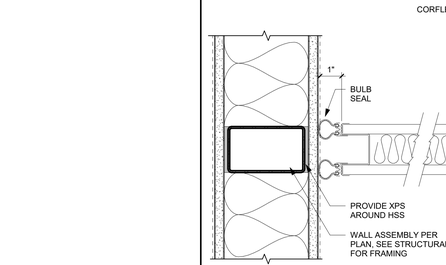
TACKBOARD ATTACHMENT 6" = 1'-0" 8



SEE SPECS FOR BASIS OF DESIGN

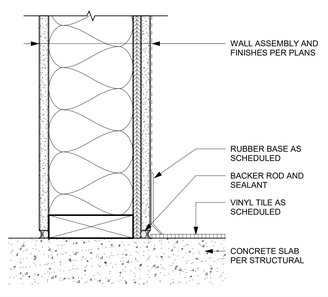
REF: 1 / 2A10.10.3

SEMI-REC. F.E. CAB. ANCHORAGE 1 1/2" = 1'-0" 2

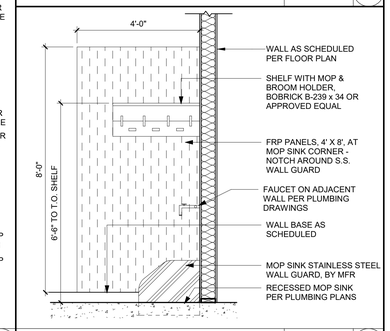


REF: 10 / 2AB2.2

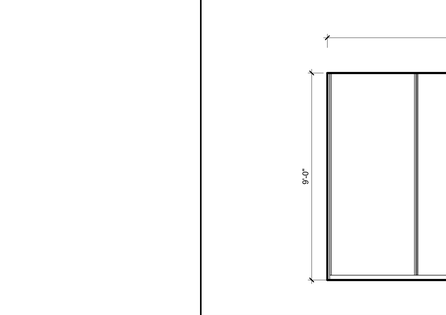
ACOUSTIC MOVABLE PARTITION - PLAN 3" = 1'-0" 18



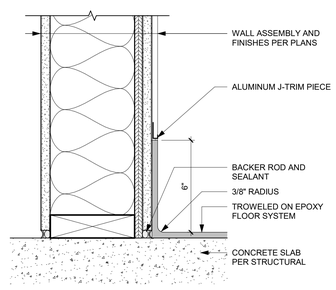
WALL BASE AT VCT 3" = 1'-0" 13



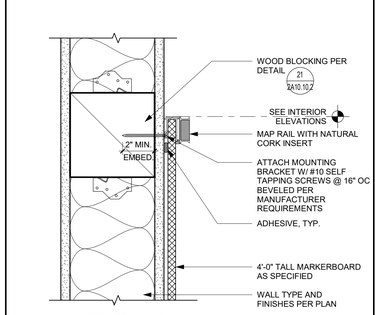
MOP SINK 1/2" = 1'-0" 3



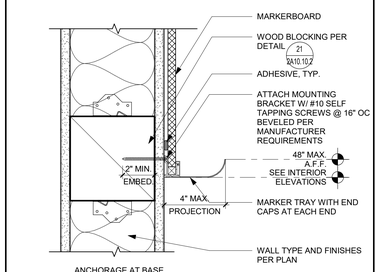
ACOUSTIC MOVABLE PARTITION - ELEV 3/8" = 1'-0" 19



EPOXY BASE AT FRP 3" = 1'-0" 14



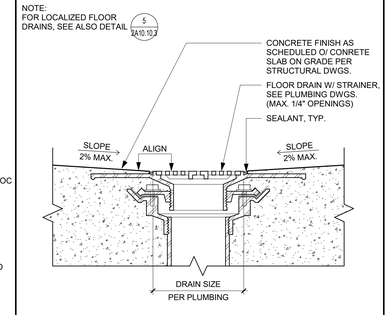
ANCHORAGE AT HEAD



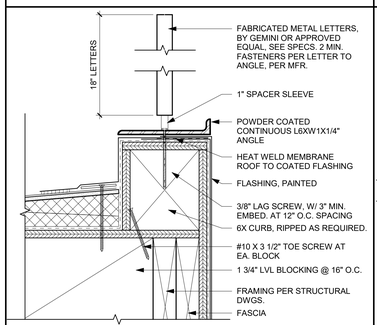
ANCHORAGE AT BASE

MARKERBOARD ATTACHMENT 3" = 1'-0" 10

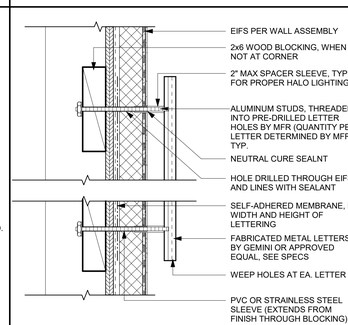
NOTE:
FOR LOCALIZED FLOOR DRAINS, SEE ALSO DETAIL 5 2A10.10.2



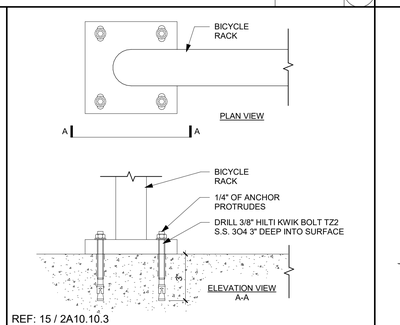
FLOOR DRAIN 3" = 1'-0" 4



LETTER ATTACHMENT AT CANOPY PARAPET 3" = 1'-0" 30

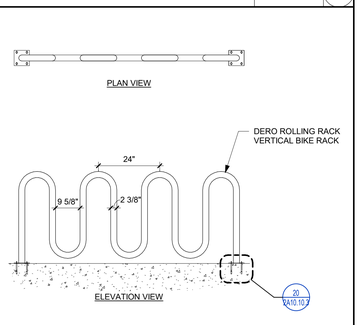


METAL SYMBOL ATTACHMENT 3" = 1'-0" 25

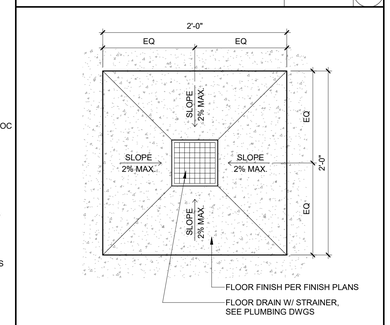


REF: 15 / 2A10.10.3

CAMPUS BIKE RACK ATTACHMENT 3" = 1'-0" 20



CAMPUS BIKE RACK 1/2" = 1'-0" 15



LOCALIZED DEPRESSION AT FLOOR DRAIN 1 1/2" = 1'-0" 5

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ARCHITECT	ENGINEER

LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Ren. 08/31/27 STATE OF CALIFORNIA
DATE SIGNED: 07/13/2026

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DRAWING STATUS

	DATE
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○ BIDDING	
○ CONSTRUCTION	

KEY PLAN

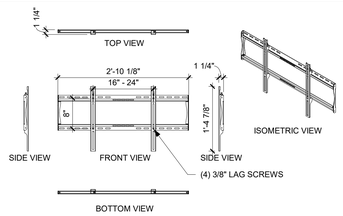
FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

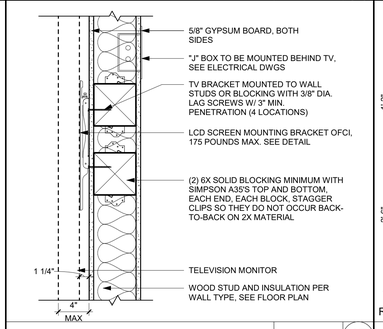
SPECIALTIES

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2A10.10.3
Drawn / Author	Checked / Checker

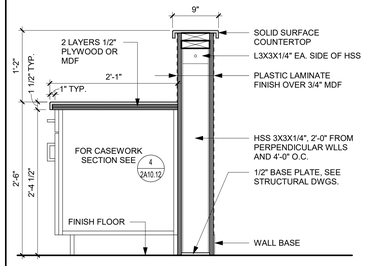


NOTE:
WALL MOUNT BRACKET TO BE OFCI. PEERLESS UNIVERSAL FLAT WALL MOUNT, MODEL NO. SF650, 16 GA.
FOR MOUNTING OF TV BRACKET ON WALL MOUNT, SEE DETAIL 17 / 2A10.12

TV WALL MOUNT BRACKET 3/4" = 1'-0" 16

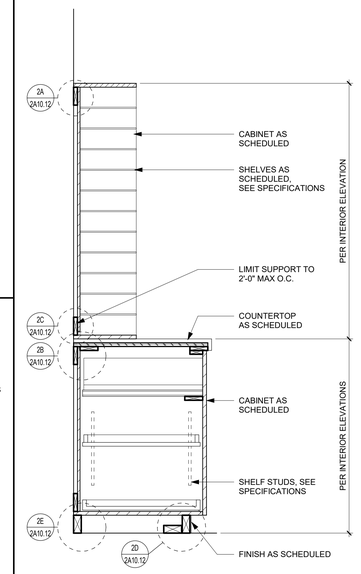


WALL MOUNTED TV 1 1/2" = 1'-0" 17



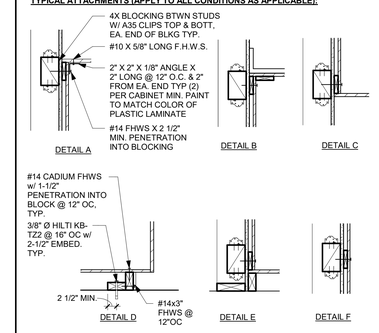
REF: 7 / 2AA7.3

RECEPTION DESK SECTION - HIGH FRONT AT CASEWORK 1" = 1'-0" 12

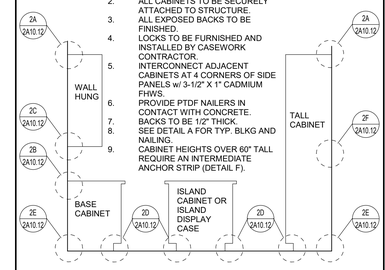


CASEWORK SECTION - FULL UPPER AND LOWER CABINETS 1" = 1'-0" 7

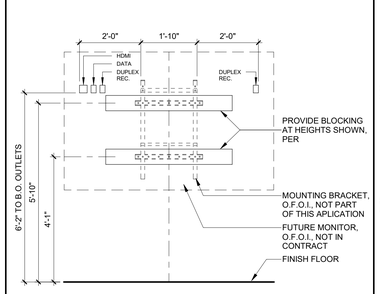
TYPICAL ATTACHMENTS (APPLY TO ALL CONDITIONS AS APPLICABLE):



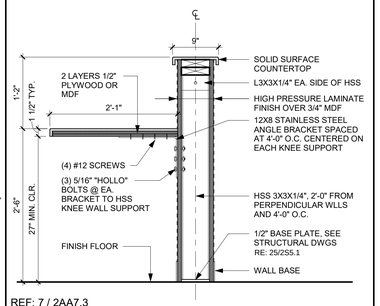
CABINET NOTES:
1. VERIFY ALL DIMENSIONS IN FIELD.
2. ALL CABINETS TO BE SECURELY ATTACHED TO STRUCTURE.
3. ALL EXPOSED BACKS TO BE FINISHED.
4. LOCKS TO BE FURNISHED AND INSTALLED BY CASEWORK CONTRACTOR.
5. INTERCONNECT ADJACENT CABINETS AT 4 CORNERS OF SIDE PANELS w/ 3-1/2" X 1" CADMIUM FHWS.
6. PROVIDE PTDF NAILERS IN CONTACT WITH CONCRETE.
7. BACKS TO BE 1/2" THICK.
8. SEE DETAIL A FOR TYP. BLKG AND NAILING.
9. CABINET HEIGHTS OVER 60" TALL REQUIRE AN INTERMEDIATE ANCHOR STRIP (DETAIL F).



CASEWORK ANCHORAGE 1/2" = 1'-0" 2



MONITOR CONNECTIONS LOCATION 1/2" = 1'-0" 18



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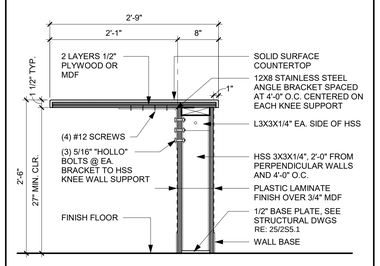
RECEPTION DESK SECTION - HIGH FRONT AT COUNTER 1" = 1'-0" 13



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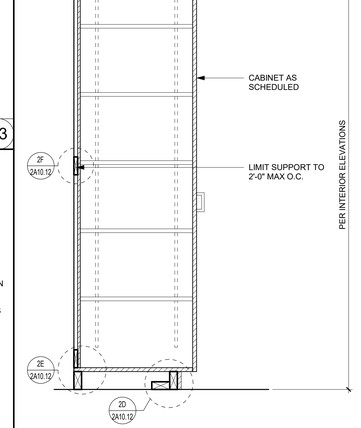
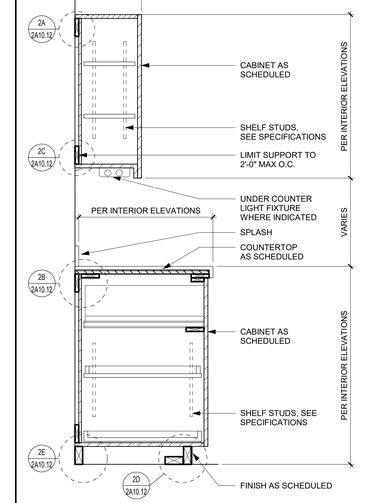
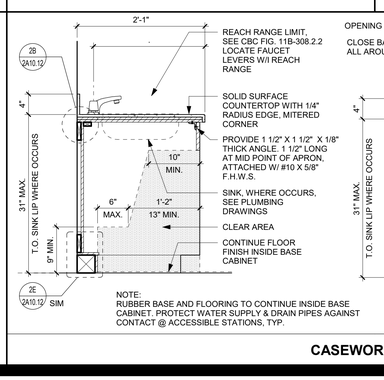


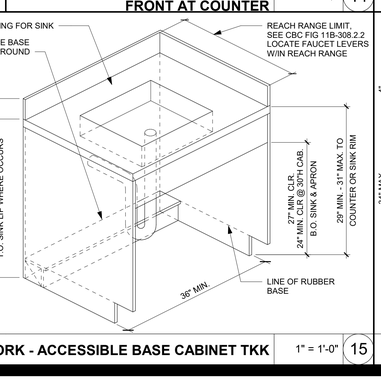
CASEWORK SECTION - TALL CABINET 1" = 1'-0" 9



CASEWORK SECTION - UPPER AND LOWER CABINETS 1" = 1'-0" 4



CASEWORK - ACCESSIBLE BASE CABINET TKK 1" = 1'-0" 15



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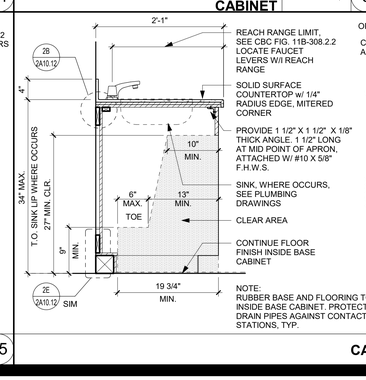

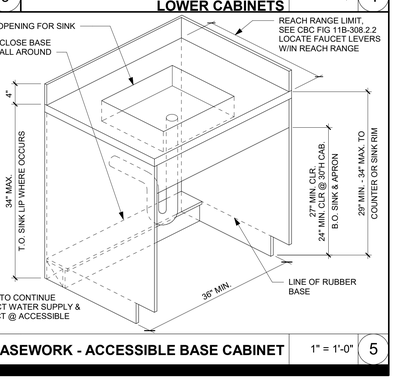

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

Studio W Architects
1930 H Street
Sacramento, California 95811
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www.StudioW-Architects.com

ARCHITECT	ENGINEER

LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Rec. 12/31/27 STATE OF CALIFORNIA
DATE SIGNED: 07/13/2026

GENERAL NOTES
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2. This sheet is not to be used for construction unless the architect's stamp and signature appear on the drawings and the status box indicated drawings have been released for construction.
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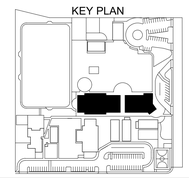
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

CASEWORK DETAILS

Date 07/13/2026
Project Number 25010.1
Application Number 02-123800
Drawing Number 2A10.12
Drawn Author
Checked Checker

PRINT DATE: 7/13/2026 4:26:16 PM
FILE PATH: Autodesk Docs://25010 FCUSD Cordova Villa ES Mod/25010.1 - FCUSD Cordova Villa ES Mod - Phase 1.rvt

GENERAL NOTES

1. GENERAL

1.1. GENERAL NOTES SHALL APPLY TO ALL DRAWINGS.

1.2. ALL CODE OR STANDARDS REFERENCES SHALL BE CONSIDERED TO BE THE MOST RECENT EDITION OF THE CODE OR STANDARD.

1.3. THE DESIGN WAS PERFORMED IN ACCORDANCE WITH THE 2022 CALIFORNIA BUILDING CODE AND LOCAL JURISDICTION BUILDING CODES. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL LOCAL JURISDICTION AND STATE BUILDING CODES IN EFFECT AT THE SITE OF THE BUILDING.

1.4. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION MEANS, TECHNIQUES, PROCEDURES, METHODS, SEQUENCES, SAFETY PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK. NOR SHALL THE ENGINEER BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE TO COMPLETE THE WORK AS SPECIFIED BY THE CONTRACT DOCUMENTS.

1.5. BELOW ARE THE DESIGN LOADS AND PARAMETERS THAT WERE USED IN THE DESIGN OF THE STRUCTURES:

1.5.1. CLASSROOM BUILDING

1.5.1.1. WIND PER 1603A.1.4
V = 100 MPH
RISK CATEGORY = III
WIND EXPOSURE: C
INTERNAL PRESSURE COEFFICIENT = ±0.18

WIND PRESSURE (COMPONENT AND CLADDING)– UPLIFT WIND PRESSURE
ZONE 1: 24.4 PSF
ZONE 2: 32.4 PSF
ZONE 3: 38.6 PSF

1.5.1.2. SEISMIC PER 1603A.1.5
RISK CATEGORY = III
SEISMIC IMPORTANCE FACTOR (I_E) = 1.25
S_S = 0.460, S_1 = 0.225
SITE CLASS: D
S_{DS} = 0.439, S_{D1} =0.484
SEISMIC DESIGN CATEGORY: D
BASIC SEISMIC FORCE–RESISTING SYSTEM:
LIGHT–FRAME (WOOD) SHEAR WALLS RATED FOR SHEAR RESISTANCE
CLASSROOM = 34.59K
SEISMIC RESPONSE COEFFICIENT (C_S) = 0.088
RESPONSE MODIFICATION COEFFICIENT (R) = 6.5
OVERSTRENGTH FACTOR (Ω_0) = 2.5
DEFLECTION AMPLIFICATION FACTOR (C_d) = 4
ANALYSIS PROCEDURE USED: E.L.F.
HORIZONTAL STRUCTURAL IRREGULARITIES: REENTRANT CORNER
VERTICAL STRUCTURAL IRREGULARITIES: NONE

1.5.1.3. GRAVITY LOADING
ROOF LIVE LOAD (REDUCIBLE) = 20 PSF
DEAD LOADS
BUILDING JOIST=16 PSF (INCLUDES 4 PSF MAX FOR SOLAR PANEL SYSTEM)
BUILDING BEAM=17 PSF (INCLUDES 4 PSF MAX FOR SOLAR PANEL SYSTEM)
EXTERIOR CANOPIES=18 PSF (NO SOLAR PANELS ALLOWED AT CANOPIES)

1.5.2. ADMIN

1.5.2.1. WIND PER 1603A.1.4
V = 94 MPH
RISK CATEGORY = II
WIND EXPOSURE: C
INTERNAL PRESSURE COEFFICIENT = ±0.18

WIND PRESSURE (COMPONENT AND CLADDING)– UPLIFT WIND PRESSURE
ZONE 1: 24.4 PSF
ZONE 2: 32.4 PSF
ZONE 3: 38.6 PSF

1.5.2.2. SEISMIC PER 1603A.1.5
RISK CATEGORY = II
SEISMIC IMPORTANCE FACTOR (I_E) = 1.0
S_S = 0.460, S_1 = 0.225
SITE CLASS: D
S_{DS} = 0.439, S_{D1} = 0.484
SEISMIC DESIGN CATEGORY: D
BASIC SEISMIC FORCE–RESISTING SYSTEM:
LIGHT–FRAME (WOOD) SHEAR WALLS RATED FOR SHEAR RESISTANCE
ADMIN = 21.7K
SEISMIC RESPONSE COEFFICIENT (C_S) = 0.068
RESPONSE MODIFICATION COEFFICIENT (R) = 6.5
OVERSTRENGTH FACTOR (Ω_0) = 2.5
DEFLECTION AMPLIFICATION FACTOR (C_d) = 4
ANALYSIS PROCEDURE USED: E.L.F.
HORIZONTAL STRUCTURAL IRREGULARITIES: NONE
VERTICAL STRUCTURAL IRREGULARITIES: NONE

1.5.2.3. GRAVITY LOADING
ROOF LIVE LOAD (REDUCIBLE) = 20 PSF
DEAD LOADS
BUILDING JOIST=16 PSF (INCLUDES 4 PSF MAX FOR SOLAR PANEL SYSTEM)
BUILDING BEAM=17 PSF (INCLUDES 4 PSF MAX FOR SOLAR PANEL SYSTEM)
EXTERIOR CANOPIES=18 PSF (NO SOLAR PANELS ALLOWED AT CANOPIES)

1.6. ALL MEMBERS AND CONNECTIONS FOR THE PROJECT, WHICH MAY NOT BE SHOWN OR SHOWN FULLY, SHALL BE CONSTRUCTED IN A MANNER SIMILAR TO THAT USED FOR SIMILAR MEMBERS AND CONNECTIONS.

1.7. ALL DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR AND SUBCONTRACTOR PRIOR TO THE START OF WORK. ALL DIMENSIONS SHALL BE COORDINATED WITH THE STRUCTURAL AND ARCHITECTURAL DRAWINGS AS WELL AS ALL OTHER DRAWINGS AND SPECIFICATIONS. REPORT ANY AND ALL DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH WORK. FABRICATION OF MEMBERS AND CONNECTIONS SHALL NOT START UNTIL ALL DISCREPANCIES ARE RESOLVED.

1.8. CONDUCT ALL WORK IN A MANNER WHICH MINIMIZES THE DAMAGE TO THE EXISTING STRUCTURE AND FINISHES.

1.9. (E) INDICATES EXISTING CONSTRUCTION.

1.10. THE STRUCTURAL SYSTEMS HAVE BEEN DESIGNED TO RESIST THE SUPERIMPOSED LIVE LOADS REQUIRED BY THE BUILDING CODE AND FOR ADDITIONAL LOADING DETERMINED BY STANDARD ENGINEERING PRACTICES. NO SPECIAL LOADING CONDITIONS HAVE BEEN CONSIDERED FOR RESISTING CONCENTRATED LOADS FROM STORAGE AND HANDLING OF CONSTRUCTION MATERIALS OR FROM OPERATION OF CONSTRUCTION EQUIPMENT. ALL SCAFFOLDING, BRACING AND SHORING SYSTEMS REQUIRED FOR INSTALLATION, STABILITY, AND SAFETY OF NEW WORK AND PROTECTION REQUIRED FOR THE SAFETY OF PEDESTRIANS AND JOBSITE PERSONNEL SHALL BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR IS, AT ALL TIMES, SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOBSITE REPRESENTING THE SAFETY OF PERSONS AND PROPERTY. ALL NEW AND EXISTING CONSTRUCTION AND MATERIALS SHALL BE PROTECTED BY THE CONTRACTOR FROM ADVERSE CONDITIONS AND DAMAGE.

1.11. SHOP DRAWING SHALL BE SUBMITTED FOR THE FOLLOWING ITEMS:

1.11.1. CONCRETE MIX DESIGN.

1.11.2. CONCRETE REINFORCING.

1.11.3. STRUCTURAL STEEL AND MISCELLANEOUS IRON.

1.12. THE PROJECT ENGINEER OF RECORD SHALL STAMP THE SUBMITTAL AS HAVING BEEN REVIEWED OR APPROVED PRIOR TO SUBMITTAL TO THE BUILDING OFFICIAL HAVING JURISDICTION AND DISTRIBUTION TO THE JOBSITE. IF THE SUBMITTAL IS IN PAPER FORM INCLUDE AT LEAST ENOUGH SETS OF PRINTS FOR THE ENGINEER TO RETAIN ONE.

1.13. THE PROJECT ENGINEER OF RECORD SHALL STAMP THE SUBMITTAL AS HAVING BEEN REVIEWED

1.14. UNLESS SPECIFICALLY STATED IN THE APPROVAL, THE APPROVAL OF SHOP DRAWINGS DOES NOT RELIEVE THE CONTRACTOR OR SUBCONTRACTORS FROM COMPLIANCE WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. DIMENSIONS AND QUANTITIES MAY NOT BE CHECKED BY THE ENGINEER, AND APPROVAL OF THE SHOP DRAWINGS BY THE ENGINEER ONLY REPRESENTS THE APPROVAL OF GENERAL FABRICATION.

1.15. IN ANY CONDITION WHERE THE INTENT OF THE DRAWINGS IS IN DOUBT, WHERE THERE APPEARS TO BE AN ERROR ON THE DRAWINGS, DISCREPANCY BETWEEN THE DRAWINGS AND FIELD CONDITION, OR THERE APPEARS TO BE TYPOGRAPHICAL ERRORS IN THE SPECIFICATIONS, NOTIFY THE ENGINEER FOR INSTRUCTIONS ON HOW TO PROCEED. IN THE CASE WHERE THE CONTRACTOR PROCEEDS WITH THE WORK IN QUESTION WITHOUT DIRECTION FROM THE ENGINEER, THE CONTRACTOR OR SUBCONTRACTORS SHALL BE RESPONSIBLE FOR ANY INCORRECT CONSTRUCTION.

1.16. IF TWO OR MORE DETAILS APPLYING TO THE SAME PART OF THE WORK ARE IN CONFLICT, THE MOST RESTRICTIVE CONDITION SHALL APPLY UNLESS CLARIFIED OR OTHERWISE APPROVED BY THE ENGINEER.

1.17. THE CONDITIONS AFFECTING THE WORK SHALL BE CAREFULLY EXAMINED BY THE CONTRACTOR AND EACH SUBCONTRACTOR BEFORE PROCEEDING AND SHALL REPORT TO THE ENGINEER ANY CONDITION WHICH PREVENTS THE PROPER COMPLETION OF THE WORK. FAILURE TO REPORT ANY SUCH UNSUITABLE CONDITION WILL CONSTITUTE ACCEPTANCE OF ALL CONDITIONS BY THE CONTRACTOR OR SUBCONTRACTORS.

1.18. 1.14. SPECIAL INSPECTION SHALL BE PROVIDED BY THE OWNER OF THE STRUCTURE AS REQUIRED BY SECTION 1705A OF THE 2022 CALIFORNIA BUILDING CODE FOR EACH OF THE ITEMS LISTED BELOW (DSA 103 FORM TAKES PRECEDENCE OVER ANY DISCREPANCIES FROM THIS SECTION):

1.18.1. PLACEMENT OF REINFORCING STEEL IN CONCRETE.

1.18.2. TAKING OF TEST SPECIMENS AND PLACING OF CONCRETE.

1.18.3. PLACEMENT AND SIZE OF BOLTS IN CONCRETE.

1.18.4. EPOXY OR EXPANSION BOLTS/REBAR/THREADED RODS IN CONCRETE.

1.18.5. STRUCTURAL WELDING.

1.18.6. OBSERVATION OF SOIL EXCAVATION AND FOUNDATION CONSTRUCTION OPERATION BY GEOTECHNICAL ENGINEER.

1.18.7. CONCRETE BATCH PLANT SHALL BE INSPECTED CONTINUOUSLY PER SECTION 1705A.3.3 WITH THE FOLLOWING REQUIREMENTS.

1.18.7.1. AN APPROVED AGENCY SHALL CHECK THE FIRST BATCH AT THE START OF THE DAY TO VERIFY MATERIALS AND PROPORTIONS CONFORM TO THE APPROVED MIX DESIGN.

1.18.7.2. A LICENSED WEIGHMASTER SHALL POSITIVELY IDENTIFY QUANTITY OF MATERIALS AND CERTIFY EACH LOAD BY A BATCH TICKET.

1.18.7.3. BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD, SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY THE TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR OF RECORD SHALL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK, ITS LOAD, AND TIME OF RECEIPT AT THE JOBSITE, AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND SHALL MAINTAIN A COPY OF THE DAILY RECORD AS REQUIRED BY THE ENFORCEMENT AGENCY.

1.18.8. PHOTOVOLTAIC SYSTEMS INSPECTION SHALL BE PERFORMED BY PROJECT INSPECTOR OR SPECIAL INSPECTOR.

1.18.8.1. FIELD INSTALLATION QUALITY CONTROL TESTING: OBSERVE ALL OF THE INSTALLATION OF ALL CONNECTING DEVICES TO THE METAL ROOFING.

1.18.8.2. FIELD TESTING ON NEW OR SUPPLEMENTAL CONSTRUCTION: AFTER ALL CONNECTING DEVICES HAVE BEEN INSTALLED, TEST A MINIMUM OF 20 CONSECUTIVE DEVICES TO TWICE THE MAXIMUM ALLOWABLE STRESS DESIGN WIND UPLIFT LOAD TRIBUTARY TO THE CONNECTING DEVICE. IF THERE IS NO FAILURE IN 20 CONSECUTIVE TESTS, TEST 10% OF THE REMAINING INSTALLED CONNECTING DEVICES. ASD LOAD = 104#x2=208#

1.19. THE FOLLOWING INSPECTIONS ARE EXEMPT. REFER TO FORM DSA–103 FOR ADDITIONAL INFORMATION:

1.19.1. CONCRETE BATCH PLANT INSPECTION FOR SITE WORK OR UNENCLOSED SITE STRUCTURES.

1.19.2. HANDRAILS, GUARDRAILS AND MODULAR OR RELOCATABLE RAMPS ASSOCIATED WITH WALKING SURFACES LESS THAN 30" ABOVE ADJACENT GRADE. FILLET WELDS SHALL NOT BE GROUND FLUSH.

1.19.3. EPOXY SHEAR DOWELS IN SITE FLATWORK AND/OR OTHER NON–STRUCTURAL CONCRETE.

1.19.4. MANUFACTURED SUPPORT FRAMES AND CURBS USING HOT ROLLED OR COLD FORMED STEEL.

1.19.5. MANUFACTURED COMPONENTS FOR MECHANICAL, ELECTRICAL, OR PLUMBING HANGER SUPPORT AND BRACING.

1.19.6. TV BRACKETS, PROJECTOR MOUNTS WITH A VALID LISTING AND RECREATIONAL EQUIPMENT.

1.19.7. ANY SUPPORT FOR EXEMPT NON–STRUCTURAL COMPONENTS GIVEN IN CBC SECTION 1616A.1.18.

1.16. SPECIAL INSPECTION AGENCY, TESTING LAB AND ALL SPECIAL INSPECTORS SHALL BE EMPLOYED BY THE OWNER AND RECOGNIZED AND APPROVED BY DSA, A/E OF RECORD, AND SEOR.

1.17. SPECIAL INSPECTION FORMS SHALL BE OBTAINED FROM DSA, COMPLETED, AND SIGNED BY THE GENERAL CONTRACTOR, ENGINEER, OWNER AND SPECIAL INSPECTION AGENCY AND SUBMITTED PRIOR TO PERMIT ISSUE.

1.18. SEE SPECIFICATIONS IN ADDITION TO THESE NOTES.

2. FOUNDATIONS

2.1. EXCAVATIONS CAST WITHOUT FORMING IN EARTH TRENCHES SHALL BE COMPLETED AS STRAIGHT, CLEAN AND DEEP AS POSSIBLE TO THE REQUIRED SIZE AND SHAPE OF THE FOOTINGS. ALL EXCAVATIONS SHALL BE BACKFILLED WITH CONCRETE OR COMPACTED SOIL/GRAVEL AS DIRECTED BY THE GEOTECHNICAL ENGINEER. REFER ALSO TO THE GEOTECHNICAL REPORT FOR FURTHER INSTRUCTIONS. IF FOUNDATION CONCRETE IS NOT POURED DIRECTLY AGAINST UNDISTURBED SOIL DUE TO FORM WORK, THE VOIDS CREATED FROM THE FORM WORK SHALL BE BACKFILLED WITH CONCRETE OR SOIL/GRAVEL MATERIAL COMPACTED TO AT LEAST 90% OF ITS RELATIVE COMPACTION

2.2. A GEOTECHNICAL REPORT HAS BEEN PREPARED FOR THIS PROJECT BY GEOCON CONSULTANTS, INC.; ADDRESS: 3160 GOLD VALLEY DRIVE, SUITE 800, RANCHO CORDOVA, CA 95742; PHONE: (916) 852–9188. SEE THE PROJECT GEOTECHNICAL REPORT NO. #S2577–05–02 DATED ON SEPTEMBER 23, 2025 FOR FURTHER FOUNDATION AND GRADING INSTRUCTIONS AND SPECIFIC DESIGN CRITERIA.

2.3. ALLOWABLE SOIL PRESSURES:

3000 LBS/SQ. FT. FOR COMBINED DEAD AND LIVE LOADS

4000 LBS/SQ. FT. FOR COMBINED DEAD, LIVE AND SEISMIC OR WIND LOADS

300 LBS/CU. FT FOR LATERAL PASSIVE PRESSURE

2.4. REVIEW THE GEOTECHNICAL REPORT PRIOR TO ANY GRADING, EXCAVATION OF FOUNDATIONS, SITE WORK, SHORING, COMPACTION, AND LIME TREATMENT. FOLLOW ALL RECOMMENDATIONS AND PROCEDURES FOUND IN THE GEOTECHNICAL REPORT.

2.5. THE GEOTECHNICAL ENGINEER OF RECORD SHALL SUBMIT A LETTER TO DSA CONFIRMING THAT THE SPECIFICATIONS, FOUNDATION PLAN, AND GRADING PLAN HAVE BEEN REVIEWED AND THAT ALL THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT ARE PROPERLY INCLUDED IN THE PLANS AND SPECIFICATIONS.

2.6. DURING THE GRADING, PAVING, AND FOUNDATION PHASE OF CONSTRUCTION THE GEOTECHNICAL ENGINEER SHALL BE RETAINED TO PROVIDE OBSERVATION AND TESTING SERVICES IN ACCORDANCE WITH THE GEOTECHNICAL REPORT CRITERIA AND RECOMMENDATIONS. THE OBSERVATION AND TESTING REPORTS SHALL BE SUBMITTED TO DSA ON FORM 293.

2.7. A FIELD REPORT SHALL BE PROVIDED BY THE GEOTECHNICAL ENGINEER OF RECORD PRIOR TO THE FOUNDATION INSPECTION BY THE PROJECT INSPECTOR. THE REPORT SHALL CONFIRM THE FOLLOWING: 1) THE BUILDING PAD WAS PREPARED AND COMPACTED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT, 2) THE FOUNDATION EXCAVATION DEPTH, WIDTH AND BACKFILL MATERIALS ARE IN GENERAL CONFORMANCE WITH THE APPROVED PLANS AND GEOTECHNICAL REPORT, AND 3) THE FOOTINGS ARE BOTTOM OF THE FOOTINGS ARE CLEAN AND WITHOUT DEBRIS.

2.8. EXCAVATIONS POURED WITHOUT FORMWORK SHALL BE A MINIMUM OF 2" GREATER THAN SHOWN ON THE PLANS. AT ANY FOOTINGS POURED WITH FORMWORK, THERE SHALL BE NO FOUNDATION STAKES WITHIN THE AREA OF THE FOOTING.

2.9. PROTECT ALL EXPOSED FLOOR SLABS FROM RAINFALL.

3. CONCRETE

3.1. CONCRETE MATERIALS:

3.1.1. CEMENT: ASTM C 150 TYPE II. THROUGHOUT THE PROJECT CEMENT OF THE SAME BRAND, TYPE AND SOURCE SHALL BE USED. USE LOW ALKALI CEMENT IN ANY CASE WHERE THE AGGREGATES ARE POTENTIALLY REACTIVE.

3.1.2. AGGREGATES: ASTM C 33 AND C 88. THE AGGREGATES USED SHALL BE CONSTANT AND FROM A SOURCE WITH A PROVEN HISTORY OF SUCCESSFUL USE. IF THE SOURCE IS NOT CONSTANT, 10 DAYS PRIOR NOTICE IS REQUIRED FOR APPROVAL OF NEW SOURCE AFTER RECHECK OF MIX DESIGN.

3.1.2.1. FINE AGGREGATE SHALL BE SAND FROM SOURCES APPROVED BY THE STRUCTURAL ENGINEER.

3.1.2.2. COARSE AGGREGATE SHALL BE COARSE LIMESTONE OR GRANITE AGGREGATE, FROM SOURCES APPROVED BY STRUCTURAL ENGINEER.

3.1.3. CONCRETE MIXES SHALL CONFORM TO ALL APPLICABLE CALIFORNIA BUILDING CODE AND ACI 318 REQUIREMENTS REGARDLESS OF COMPRESSIVE STRENGTH SPECIFIED HEREIN OR ON THE DRAWINGS. THE CONCRETE DESIGN MIX MUST BE COMPLETED BY A TESTING LABORATORY THAT IS APPROVED BY THE ENGINEER AND THE GOVERNING AGENCY BEFORE USE. ALL MIX DESIGNS MUST SUBMITTED TO AND APPROVED BY THE ENGINEER. THE PROPORTION OF CEMENT, AGGREGATES (FINE AND COARSE), WATER, AND GRADATION OF COMBINED AGGREGATES SHALL BE SHOWN IN THE DESIGN.

3.1.4. THE CONCRETE MIX DESIGN SHALL AT MINIMUM MEET THE REQUIREMENTS AS INDICATED BELOW. THE CEMENT CONTENT MAY BE INCREASED BEYOND THE SPECIFIED AMOUNT IF REQUIRED TO ACHIEVE THE NECESSARY COMPRESSIVE STRENGTH IN A GIVEN TIME FRAME.

SCHEDULE OF CONCRETE MIXES:

MIX NO.	LOCATION	28 DAY COMPRESSIVE STRENGTH	MIN. CEMENT CONTENT (SACKS)	SLUMP RANGE	MAX. AGGREGATE SIZE
1	FOUNDATIONS	3000 psi	5	3"–4"	1"
2	SLAB ON GRADE	3000 psi	5¼	3"–4"	1"
3	CAST IN PLACE & MISC.	3000 psi	5¼	3"–4½"	1"

3.2. REINFORCING BARS SHALL BE INTERMEDIATE GRADE ASTM A615–22, GRADE 60, TYPICAL, UNLESS OTHERWISE NOTED. REINFORCING BARS THAT ARE TO BE WELDED SHALL BE ASTM A706–22A, GRADE 60. ALL WELDING OF REINFORCING BARS TO BE INSPECTED PER SECTION 1705A.3.1 OF THE 2022 CALIFORNIA BUILDING CODE.

3.3. PROVIDE CONCRETE COVER PROTECTION FOR REINFORCEMENT PER THE FOLLOWING:

SURFACE	CONCRETE COVER
3.3.1. SURFACES POURED AGAINST EARTH	3"
3.3.2. FORMED SURFACES EXPOSED TO EARTH OR WEATHER:	
3.3.2.1. NO. 6 TO NO. 18 BARS	2"
3.3.2.2. NO. 5 BARS, W31 OR D31 WIRE AND SMALLER	1½"
3.3.3. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND:	
3.3.3.1. SURFACES OF SLABS, WALLS, AND JOISTS	
3.3.3.1.1. NO. 14 AND NO. 18 BARS	1½"
3.3.3.1.2. NO. 11 BAR AND SMALLER	¾"
3.3.3.2. BEAMS, COLUMNS:	
3.3.3.2.1. PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS	1½"

3.4. ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A ¾" CHAMFER, UNLESS OTHERWISE SHOWN.

3.5. PRIOR TO POURING CONCRETE, RIGIDLY SECURE ALL REINFORCING, ANCHOR BOLTS, INSERTS, ETC.

3.6. HORIZONTAL REINFORCING SHALL BE SUPPORTED ON GALVANIZED CHAIRS (EXCEPT AT FOOTINGS OR SLABS–ON–GRADE MORTAR BLOCKS OR OTHER APPROVED METHOD OF SUPPORT MAY BE USED).

3.7. EDGE OF SLAB FORM WORK MAY BE REMOVED AFTER A MINIMUM OF 24 HOURS. FORM WORK FOR WALLS 4'–0" TALL OR LESS MAY BE AFTER 36 HOURS. ALL OTHER REMOVAL OF FORM WORK, SHORING AND RESHORING SCHEDULES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

3.8. HOOKS SHALL BE STANDARD HOOKS PER ACI 318 UNLESS OTHERWISE NOTED.

3.9. LAP CONTACT SPLICES, HOOK EMBEDMENT, AND DEVELOPMENT LENGTHS SHALL BE PER ACI 318 UNLESS OTHERWISE NOTED. LAP SPLICES SHALL BE STAGGERED WHERE POSSIBLE.

3.10. ALL REINFORCEMENT IS TO BE COLD BENT. HEATING OF REINFORCEMENT IS NOT ALLOWED.

3.11. FORM AND SHORING REMOVAL SHALL NOT INJURE OR OVERSTRESS COMPLETE OR PARTIALLY COMPLETE STRUCTURAL ELEMENTS. TIME OF FORM OR SHORE REMOVAL SHALL BE IN ACCORDANCE WITH ACI 347.

4. STRUCTURAL STEEL

4.1. ALL STRUCTURAL STEEL AND MISCELLANEOUS IRON SHALL CONFORM TO AISC SPECIFICATIONS AND CODE OF STANDARD PRACTICES. AWS SPECIFICATIONS APPLY TO ALL WELDING.

4.2. STRUCTURAL STEEL SHALL BE PER THE SCHEDULE BELOW:

STEEL SPECIFICATION SCHEDULE	
STEEL	SPECIFICATION
ROUND HSS OR STEEL PIPE	ASTM A500 GRADE C OR ASTM A53 TYPE E OR TYPE S (GRADE B)
HSS TUBE STEEL	ASTM A500 GRADE B
BASE PLATE	ASTM A36
MISCELLANEOUS PLATES	ASTM A36
MACHINE BOLTS (M.B.)	ASTM A307
THREADED RODS	ASTM A36
ANCHOR BOLTS TYP. (U.O.N.)	ASTM F1554 GRADE 36
HEAVY HEX HEAD FOR HEADED BOLTS	ASTM F1554 GRADE 36
NUTS	A563 GRADE A
HARDENED WASHERS	ASTM F436 TYPE 1
WELDING ELECTRODES	E70XX

4.2.1. INSTALL BOLTS TO BE "SNUG TIGHT" AND EXCLUDE THREADS FROM THE SHEAR PLANE, U.O.N.

4.2.2. DO NOT USE E70–T4 OR NS–3M ELECTRODES.

4.3. ONLY STEEL SURFACES EXPOSED TO WEATHER REQUIRE SHOP PAINTING. ALL STEEL SURFACES REQUIRING PAINTING SHALL BE THOROUGHLY CLEANED. ONE COAT OF RUST INHIBITIVE PAINT CONFORMING TO AISC 420/SSPC–QP3, SSPC–PA 1: SHOP, FIELD AND MAINTENANCE COATING OF METALS, AND ANSI/ASCE 303: CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES. UNIVERSAL PRIMER SHALL BE EVENLY AND COMPLETELY APPLIED. ANY CHIPS OR ABRASIONS SHALL BE TOUCHED UP IN THE SHOP. AFTER ERECTION APPLY ANOTHER COAT USING THE SAME PAINT.

4.4. SUBMIT THE COMPLETE WELDING PROCEDURE TO THE STRUCTURAL ENGINEER OF RECORD AND THE CITY BUILDING DEPARTMENT. THE WELDING PROCEDURE SHALL BE APPROVED BEFORE ANY WELDING CAN BEGIN.

4.5. THE REQUIREMENTS OF ASTM A276, A312, A479, A581, AND/OR A582 SHALL BE MET FOR ALL STAINLESS STEEL. ONLY "TYPE 18–8 STAINLESS STEEL" TYPE 302, 303, 304 OR 316 SHALL BE USED.

4.6. FABRICATE ALL ARCHITECTURALLY EXPOSED STRUCTURAL STEEL PER THE "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES," AISC 303–05, SECTION 10.

4.7. USE HOT DIPPED GALVANIZED STEEL IN COMPLIANCE WITH ASTM A153, CLASS C OR D. REPAIR MINOR FIELD DAMAGE TO GALVANIZING WITH GALVANIZING PAINT.

5. LUMBER AND TIMBER FRAMING

5.1. UNLESS NOTED OTHERWISE, USE DOUGLAS FIR–LARCH NO. 1 GRADE. IT IS ACCEPTABLE FOR TREATED SILL PLATES TO BE #2 GRADE. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL DOUGLAS FIR–LARCH FRAMING LUMBER IS TO BE CLASSIFIED UNDER STRUCTURAL LIGHT FRAMING, MANUFACTURED AND GRADED IN ACCORDANCE WITH WCLIB OR WWPA GRADING RULES.

5.2. ALL NEW FRAMING LUMBER SHALL HAVE A 19% MAXIMUM MOISTURE CONTENT AT TIME OF INSTALLATION AND FABRICATION.

5.3. FRAMING LUMBER PERMANENTLY EXPOSED TO WEATHER (SUCH AS MECHANICAL UNIT SLEEPERS) OR IN DIRECT CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE PRESERVATIVELY TREATED.

5.4. WOOD FRAMING MEMBERS, INCLUDING WOOD SHEATHING, THAT REST ON EXTERIOR FOUNDATION WALLS AND ARE LESS THAN 8 INCHES FROM EXPOSED EARTH SHALL BE PRESSURE PRESERVATIVELY TREATED.

5.5. ALL METAL CONNECTORS, NAILS, SCREWS, BOLTS, WASHERS, METAL STRAPS, ETC. EXPOSED TO WEATHER SHALL BE GALVANIZED PER THE MANUFACTURER'S REQUIREMENTS. METAL CONNECTORS IN CONTACT WITH PRESSURE PRESERVATIVELY TREATED LUMBER SHALL BE GALVANIZED PER THE MANUFACTURERS REQUIREMENTS.

5.6. ALL PLYWOOD SHEATHING AND APPROVED ORIENTED STRAND BOARD IS TO BE BONDED WITH EXTERIOR GLUE. THE "X" IN CDX REPRESENTS THE USE OF EXTERIOR GLUE.

PROVIDE PLYWOOD AS SCHEDULED BELOW:

5.6.1. WALLS ½" CDX APA 24/16 (5 PLY)

5.6.2. ROOF AT SHADE STRUCTURE 1⅛" T&G APA STRUCT I

SHEATHING SUBSTITUTIONS OF ORIENTED STRAND BOARD (OSB) FOR PLYWOOD SHALL BE APPROVED BY THE ENGINEER AND SHALL BE OF EQUAL RATING AS THE PLYWOOD IN ACCORDANCE WITH REPORT PRP 108.

5.7. IF ANY WALL CONTAINS PLYWOOD SHEATHING FOR A SHEAR WALL, THE REMAINDER OF THE WALL IS TO BE SHEATHED WITH ½" CDX PLYWOOD WITH 10d NAILING AT 6" o.c. EDGE AND 12" o.c. FIELD.

5.8. SHEATH ALL EXTERIOR WALLS WITH ½" CDX PLYWOOD WITH 10d NAILING AT 6" o.c. EDGE AND 12" o.c. FIELD EXCEPT FOR THOSE PORTIONS OF THE WALL DESIGNATED AS SHEAR WALLS. WHERE WALLS ARE DESIGNATED SHEAR WALLS THE SHEAR WALL REQUIREMENTS/CRITERIA GOVERN.

5.9. RED–I JOISTS ARE MANUFACTURED BY REDBUILT AND AND ARE TO BE PER ESR–2994

5.10. MICROLAM LVL, TIMBERSTRAND LSL, AND PARALLAM PSL ARE MANUFACTURED BY TRUSS JOIST COMPANY AND SHALL EXHIBIT THE MINIMUM PROPERTIES LISTED BELOW:

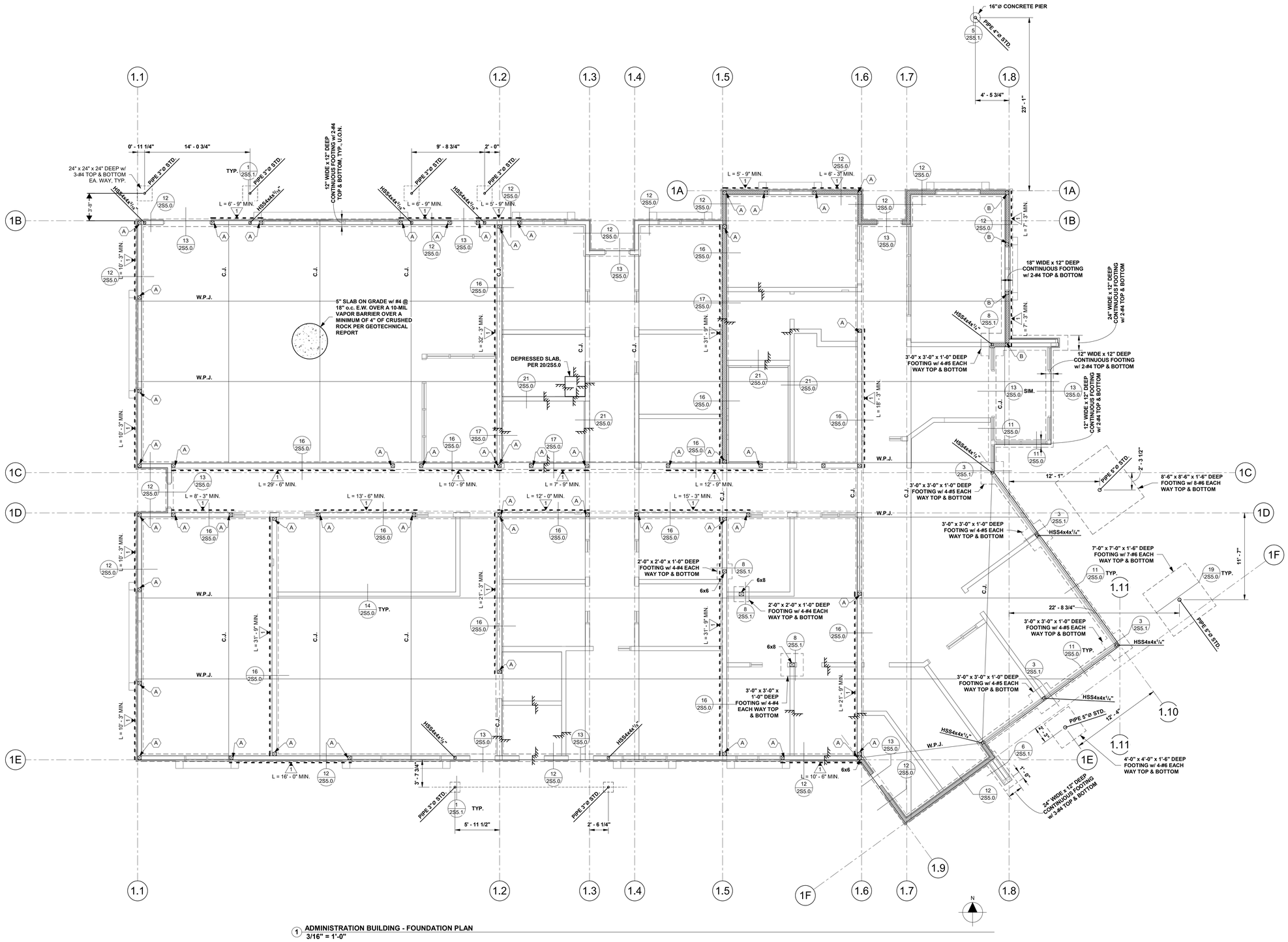
5.10.1. MICROLLAM: FB=2600 PSI, FV=285 PSI, E=2000 KSI PER ESR–1387

5.10.2. PARALLAM: FB=2900 PSI, FV=290 PSI, E=2000 KSI PER ESR–1387

5.11. MINIMUM STANDARD NAILING PER CBC TABLE 2304.10.1 SHALL BE PROVIDED AT WOOD MEMBERS, U.O.N. A PARTIAL LIST IS SHOW BELOW.

FASTENING SCHEDULE		
CONNECTION	FASTENING	LOCATION
1. JOIST TO SILL OR GIRDER	3–8d COMMON(2½"x0.131") 3–3"x0.131" NAILS 3–3" 14 GAGE STAPLES	TOENAIL
2. BRIDGING TO JOISTS	2–8d COMMON(2½"x0.131") 2–3"x0.131" NAILS 2–3" 14 GAGE STAPLES	TOENAIL EACH END
3. SOLE PLATE TO JOIST OR BLOCKING SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANEL	16d(3½"x0.135") AT 16" o.c. 3"x0.131" NAILS AT 8" o.c. 3" 14 GAGE STAPLES AT 12"o.c. 3–16d(3½"x0.135") AT 16" o.c. 4–3"x0.131" NAILS AT 16" o.c. 4–3" 14 GAGE STAPLES AT 16"o.c.	TYP. FACE NAIL BRACED WALL PANELS
4. TOP PLATE TO STUD	2–16d COMMON(3½"x0.162") 3–3"x0.131" NAILS 3–3" 14 GAGE STAPLES	END NAIL
5. STUD TO SOLE PLATE	4–8d COMMON(2½"x0.131") 4–3"x0.131" NAILS 4–3"x14 GAGE STAPLES 2–16d(3½"x0.162") 3–3"x0.131" NAILS 3–3" 14 GAGE STAPLES	TOENAIL END NAIL
6. DOUBLE STUDS	16d(3½"x0.162") AT 24" o.c. 3"x0.131" NAILS AT 8" o.c. 3–3" 14 GAGE STAPLES AT 8" o.c.	TYP. FACE NAIL
7. DOUBLE TOP PLATES	16d(3½"x0.162") AT 16"o.c. 3"x0.131" NAIL AT 12" o.c. 3"x14 GAGE STAPLES AT 12" o.c. 8–16d COMMON(3½"x0.162") 12–3"x0.131" NAILS 12–3" 14 GAGE STAPLES	TYP. FACE NAIL LAP SPLICE
8. BLOCKING BETWEEN JOIST OR RAFTERS TO TOP PLATE	3–8d COMMON(2½"x0.131") 3–3"x0.131" NAILS 3–3" 14 GAGE STAPLES	TOENAIL
9. RIM JOIST TO TOP PLATE	8d(2½"x0.131") AT 6" o.c. 3"x0.131" NAILS AT 6" o.c. 3" 14 GAGE STAPLES AT 6" o.c.	TOENAIL
10. TOP PLATES, LAPS AND INTERSECTIONS	2–16d COMMON(3½"x0.162") 3–3"x0.131" 3–3" 14 GAGE STAPLES.	FACE NAIL
11. CONTINUOUS HEADER, TWO PIECES (2" to 2" header)	16d COMMON(3½"x0.162")	16" o.c. ALONG EA EDGE
12. CEILING JOISTS TO TOP PLATE	3–8d COMMON(2½"x0.131") 3–3"x0.131" 3–3" 14 GAGE STAPLES.	EA. JOIST, TOENAIL
13. CONTINUOUS HEADER TO STUD	4–8d COMMON(2½"x0.131")	TOENAIL

5.12. BOLT HOLES IN WOOD SHALL BE ⅛" LARGER THAN THE BOLT DIAMETER U.O.N. STANDARD PLATE WASHER



1 ADMINISTRATION BUILDING - FOUNDATION PLAN
3/16" = 1'-0"

NOTES:

1. SEE 2S0.1 FOR GENERAL NOTES.
2. SEE 5/2S5.0 FOR FOUNDATION NOTES.
3. INDICATES PLYWOOD SHEATHING, PER 2/2S4.0. ALL WOOD STUD WALL SURFACES INDICATED WITH THIS SYMBOL SHALL BE SHEATHED, PER 1.
4. A INDICATES HOLD DOWN, PER 3/2S4.0.
5. 1 INDICATES SHEAR WALL TYPE, PER SCHEDULE ON 2/2S4.0.
6. FOR EXTERIOR TYPICAL WOOD WALLS, USE 2x6 STUDS @ 16" o.c.
7. INDICATES 2-1¾" x 5½" LVL STUDS @ 16" o.c.
8. ALL FOOTINGS SHALL BE -1'-0" FROM F.F. TO TOP OF FOOTING.
9. INDICATES A 4x6 MIN. COLUMN IN A 2x6 WALL U.O.N. ON PLAN OR BY SHEAR WALL HOLD DOWN SCHEDULE ON 3/2S4.0.
10. FOR TYPICAL INTERIOR WOOD WALLS, USE 2x6 @ 16" o.c.
11. INDICATES DEPRESSED SLAB, PER 20/2S5.0.

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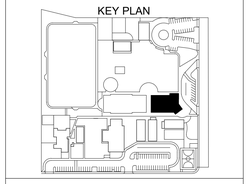
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



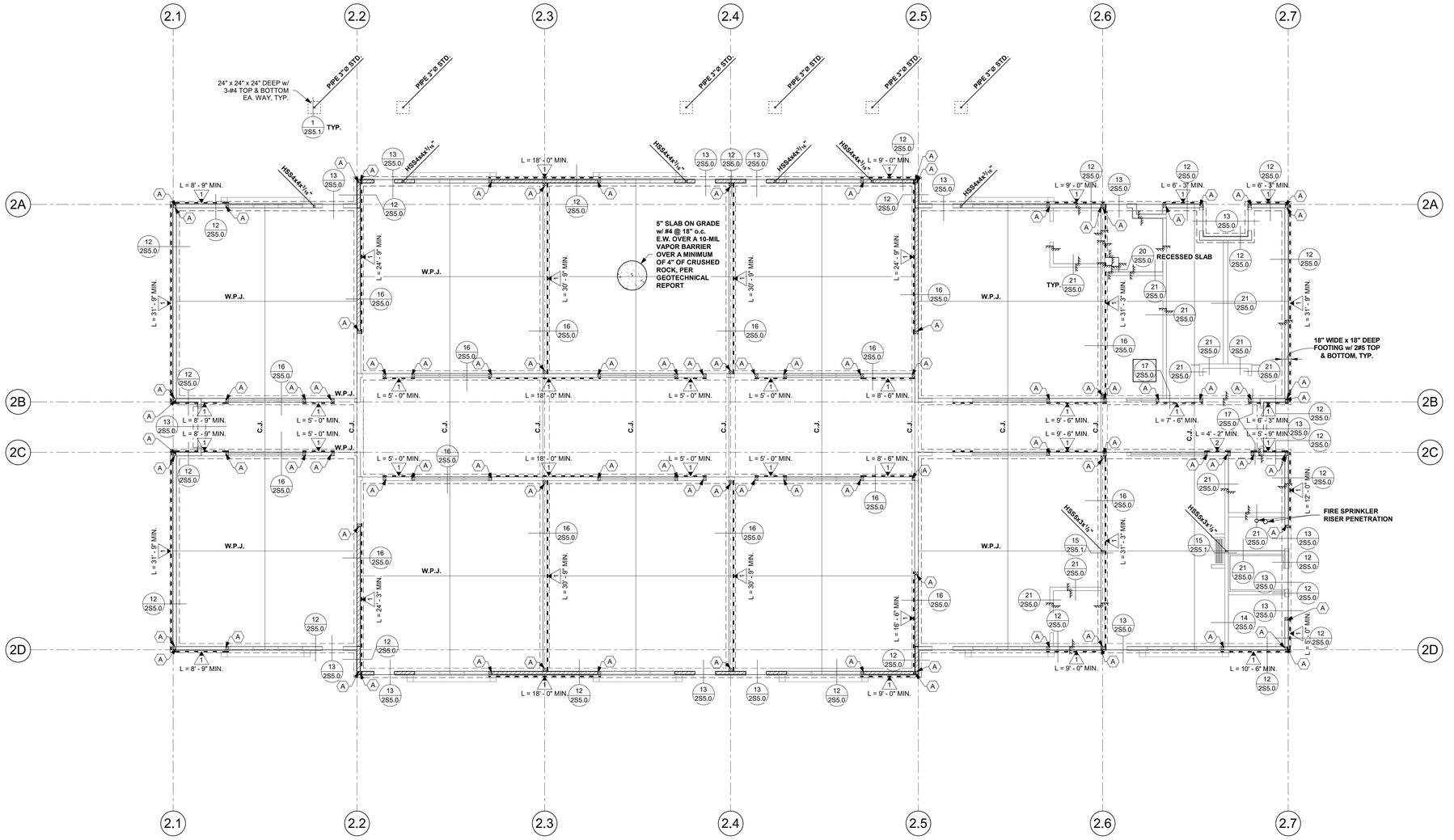
FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

ADMINISTRATION BUILDING - FOUNDATION PLAN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2S1.0
Drawn: K.T.	Checked: K.T.O.



N

1 CLASSROOM 1 - FOUNDATION PLAN
1/8" = 1'-0"

NOTES:

1. SEE 2S0.1 FOR GENERAL NOTES.
2. SEE 5/2S5.0 FOR FOUNDATION NOTES.
3. INDICATES PLYWOOD SHEATHING, PER 2/2S4.0. ALL WOOD STUD WALL SURFACES INDICATED WITH THIS SYMBOL SHALL BE SHEATHED, PER 1, U.O.N.
4. A INDICATES HOLD DOWN, PER 3/2S4.0.
5. 1 INDICATES SHEAR WALL TYPE, PER SCHEDULE ON 2/2S4.0.
6. FOR EXTERIOR TYPICAL WOOD WALLS, USE 2x6 STUDS @ 16" o.c. FOR ALL STUDS LONGER THAN 16'-0", USE 2-2x6 @ 16" o.c.
7. ALL FOOTINGS SHALL BE -1'-0" FROM F.F. TO TOP OF FOOTING.
8. INDICATES A 4x6 MIN. COLUMN IN A 2x6 WALL U.O.N. ON PLAN OR BY SHEAR WALL HOLD DOWN SCHEDULE ON 3/2S4.0.
9. SEE 14/2S5.0 FOR SILL PLATE @ INTERIOR NON-STRUCTURAL WALL ANCHORAGE.
10. FOR TYPICAL INTERIOR WOOD WALLS, USE 2x6 @ 16" o.c.
11. INDICATES 2-1¾" x 5½" LVL 1.9E @ 16" o.c.
12. INDICATES DEPRESSED SLAB, PER 20/2S5.0.

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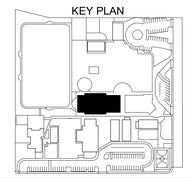
KEY PLAN



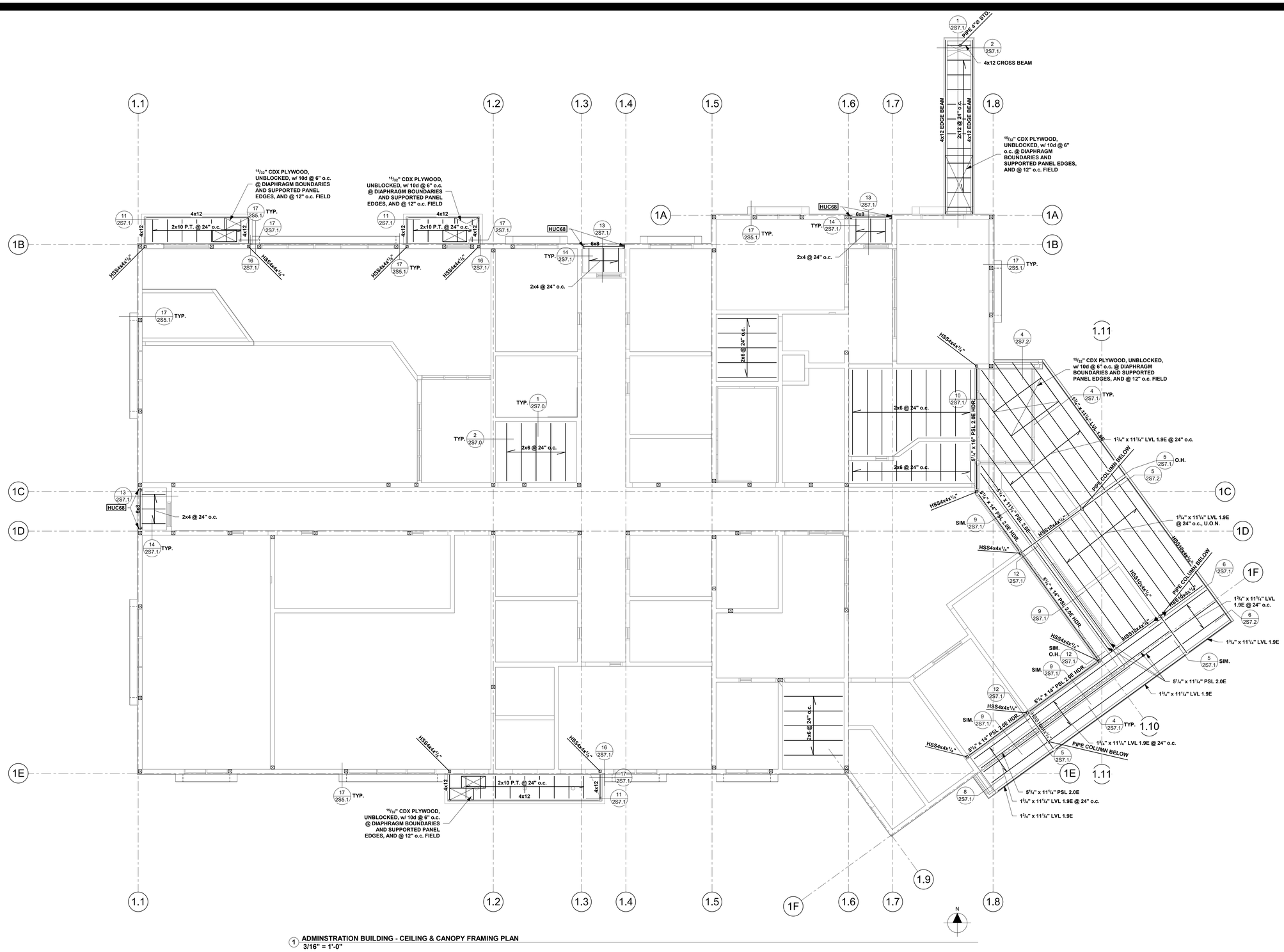
FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

CLASSROOM 1 - FOUNDATION PLAN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2S1.1
Drawn: K.T.	Checked: K.T.O.



1 ADMINSTRATION BUILDING - CEILING & CANOPY FRAMING PLAN
3/16" = 1'-0"

NOTES:

1. SEE 2S0.1 FOR GENERAL NOTES.
2. SEE 5/2S7.0 FOR ROOF FRAMING NOTES.
3. SEE 17/2S4.0 FOR TYPICAL HEADER ELEVATION.
4. USE 1¾" BLOCKING AT ¼ SPAN POINTS OF ALL LVL JOISTS WITH A SPAN GREATER THAN 12'-0". BLOCKING IS TO MATCH JOIST DEPTH.
5. SEE 10/2S7.0 FOR OPENINGS IN ROOF.

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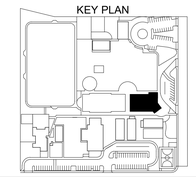

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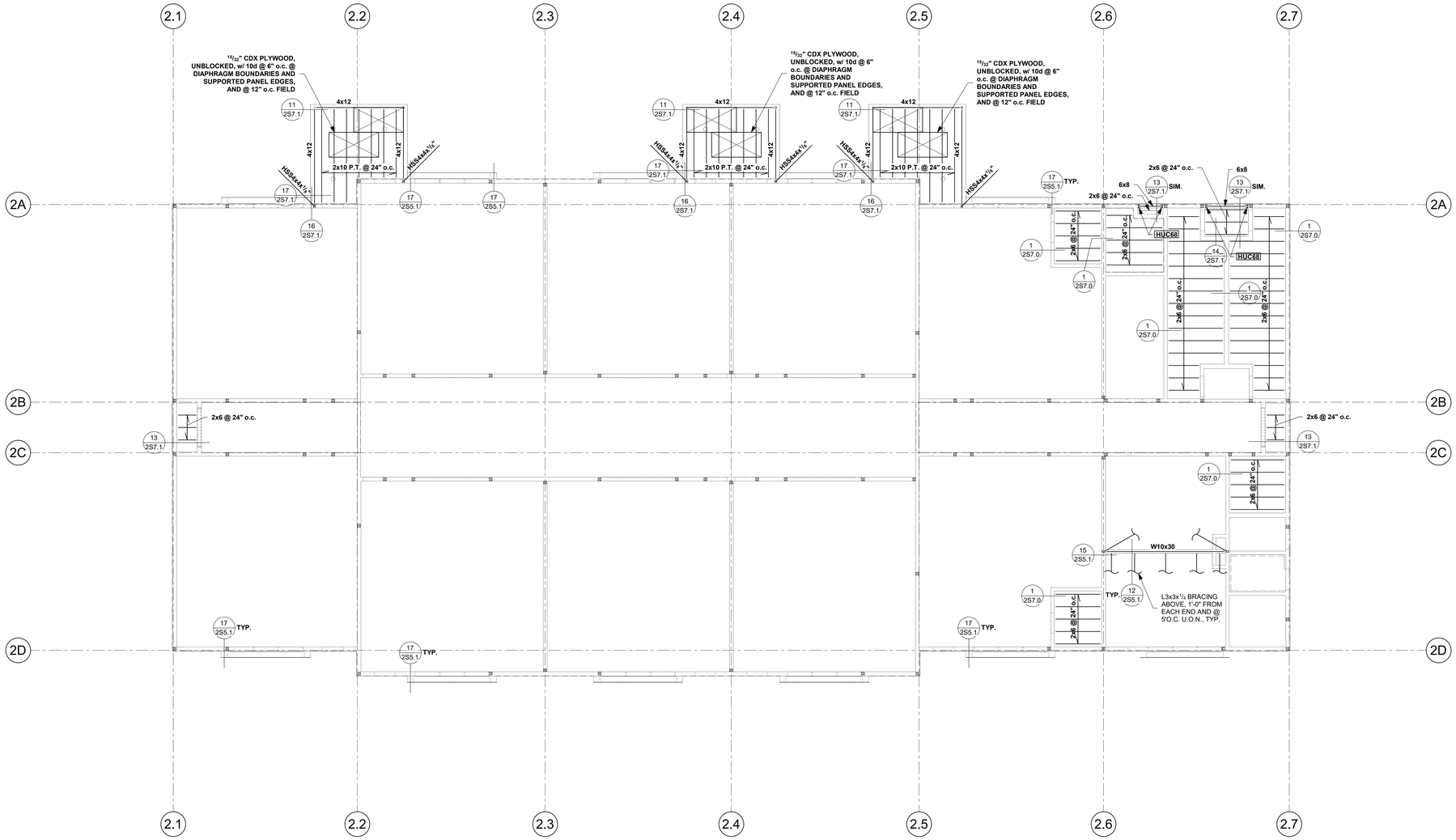
ADMINISTRATION BUILDING - CEILING & CANOPY FRAMING PLAN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2S2.0
Drawn: K.T.	Checked: K.T.O.



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1 CLASSROOM 1 - CEILING FRAMING PLAN
1/8" = 1'-0"

NOTES:
1. SEE 2S0.1 FOR GENERAL NOTES.
2. SEE 5/2S7.0 FOR ROOF FRAMING NOTES.
3. SEE 10/2S7.0 FOR TYPICAL OPENING IN ROOF.
4. SEE 17/2S4.0 FOR TYPICAL HEADER ELEVATION.

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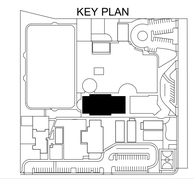

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CLASSROOM 1 - CEILING FRAMING PLAN

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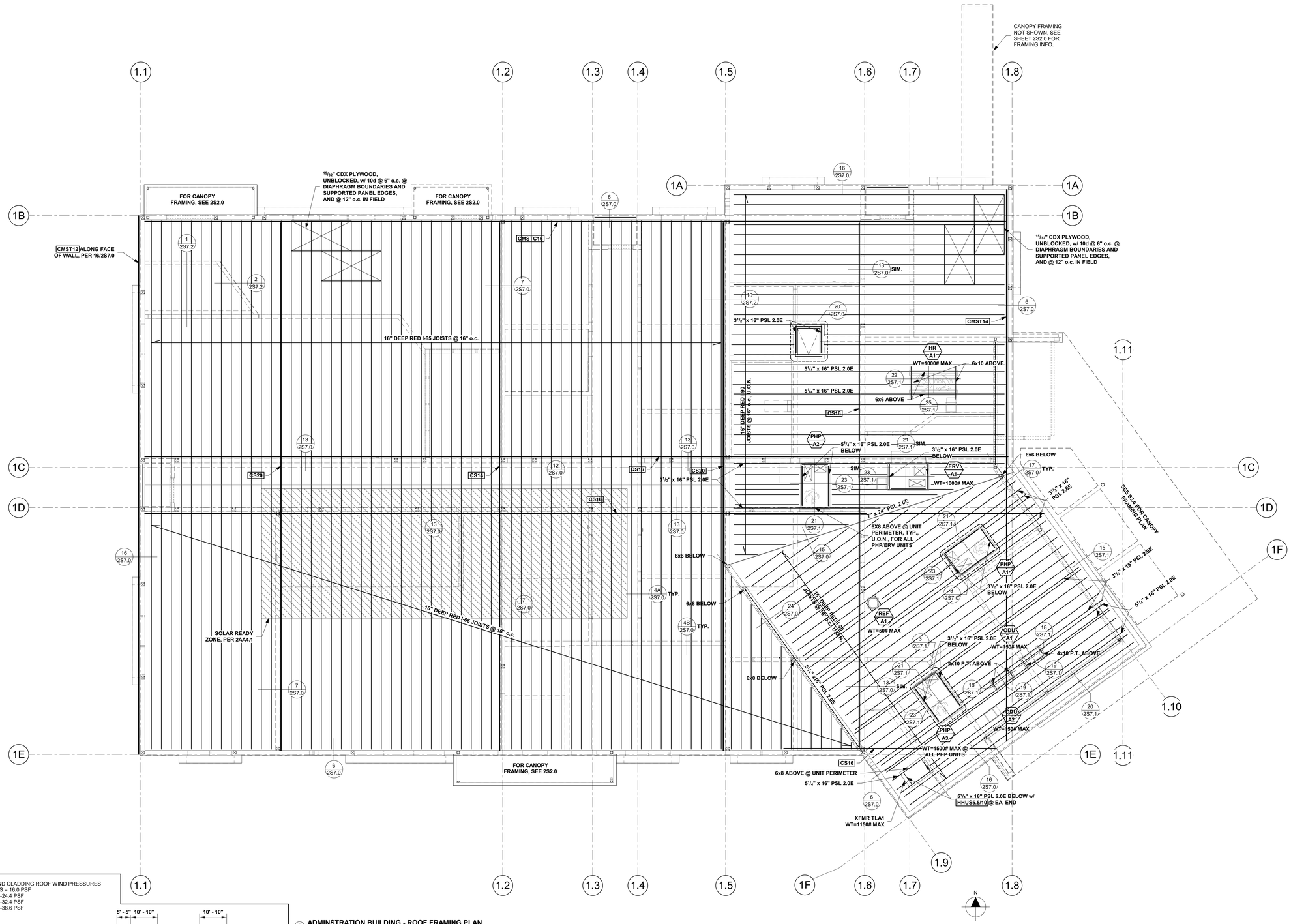
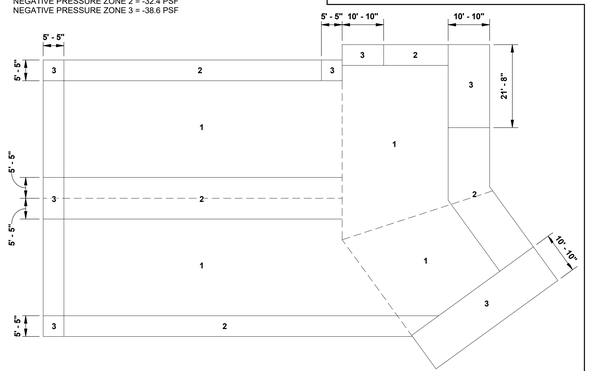
02-123800	2S2.1
Drawn: K.T.	Checked: K.T.O.



UNFACTORED COMPONENTS AND CLADDING ROOF WIND PRESSURES
POSITIVE PRESSURE ALL ZONES = 16.0 PSF
NEGATIVE PRESSURE ZONE 1 = -24.4 PSF
NEGATIVE PRESSURE ZONE 2 = -32.4 PSF
NEGATIVE PRESSURE ZONE 3 = -38.6 PSF



1 ADMINSTRATION BUILDING - ROOF FRAMING PLAN
3/16" = 1'-0"

NOTES:
1. SEE 2S0.1 FOR GENERAL NOTES.
2. SEE 5/2S7.0 FOR ROOF FRAMING NOTES.
3. SEE 17/2S4.0 FOR TYPICAL HEADER ELEVATION.
4. USE 1⅜" BLOCKING AT ¼ SPAN POINTS OF ALL LVL JOISTS WITH A SPAN GREATER THAN 12'-0". BLOCKING IS TO MATCH JOIST DEPTH.
5. SEE 10/2S7.0 FOR OPENINGS IN ROOF.

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DRAWING STATUS

	DATE
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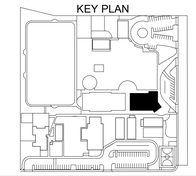
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



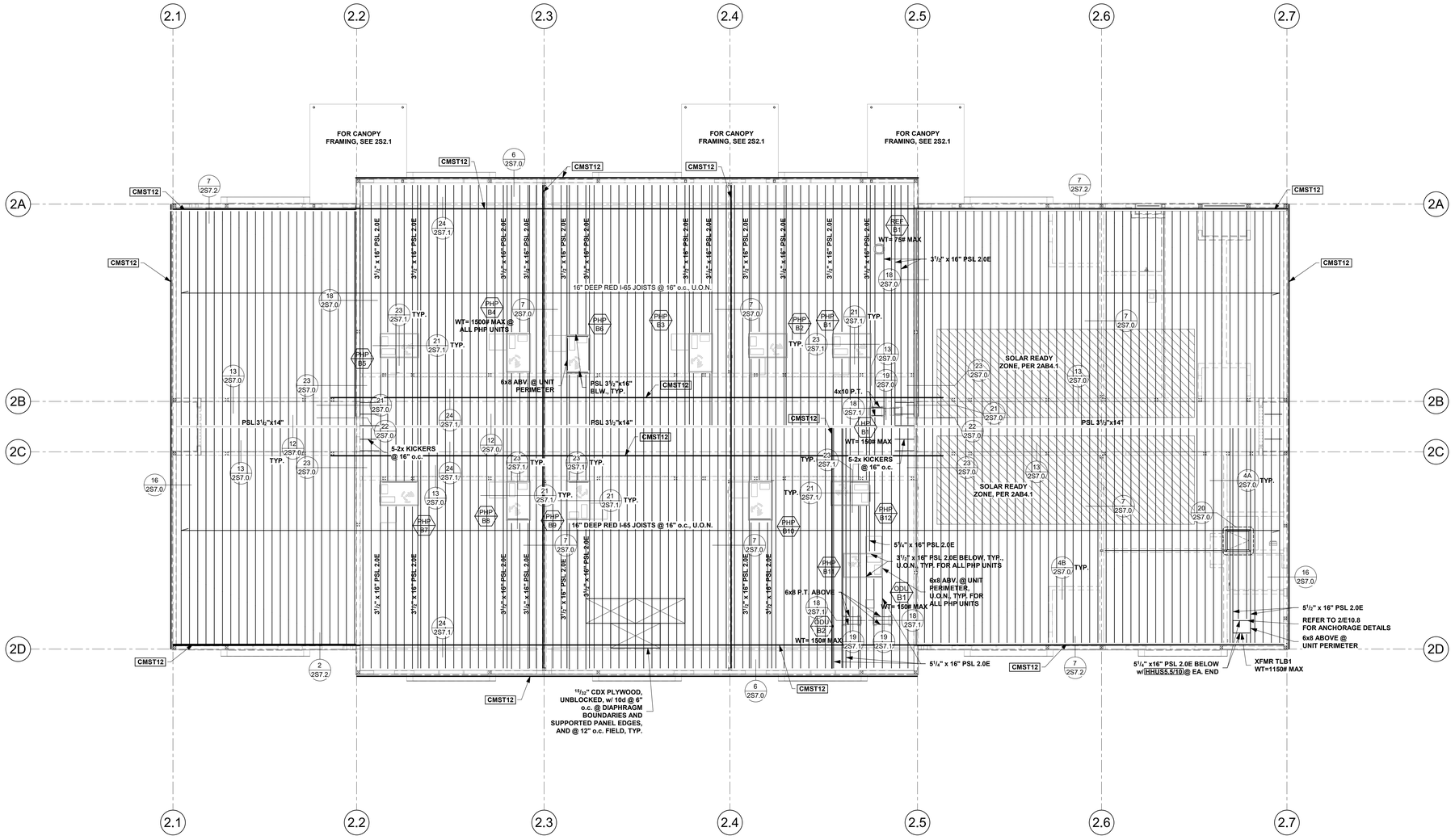
FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

ADMINISTRATION BUILDING - ROOF FRAMING PLAN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2S3.0
Drawn: K.T.	Checked: K.T.O.



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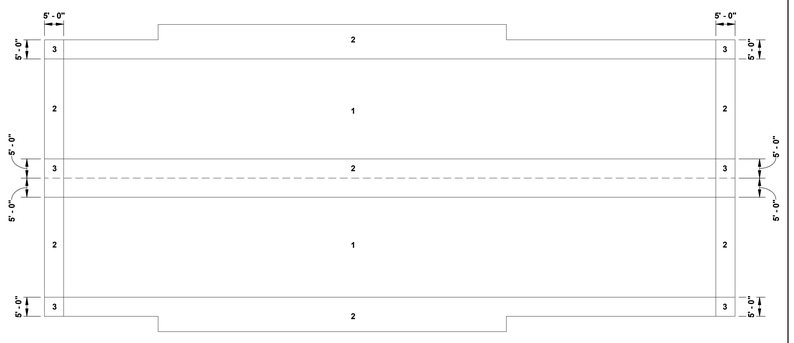

1 CLASSROOM 1 - ROOF FRAMING PLAN
1/8" = 1'-0"

NOTES:
1. SEE 2S0.1 FOR GENERAL NOTES.
2. SEE 5/2S7.0 FOR ROOF FRAMING NOTES.
4. SEE 10/2S7.0 FOR TYPICAL OPENING IN ROOF.
5. SEE 17/2S4.0 FOR TYPICAL HEADER ELEVATION.

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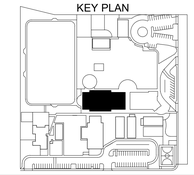

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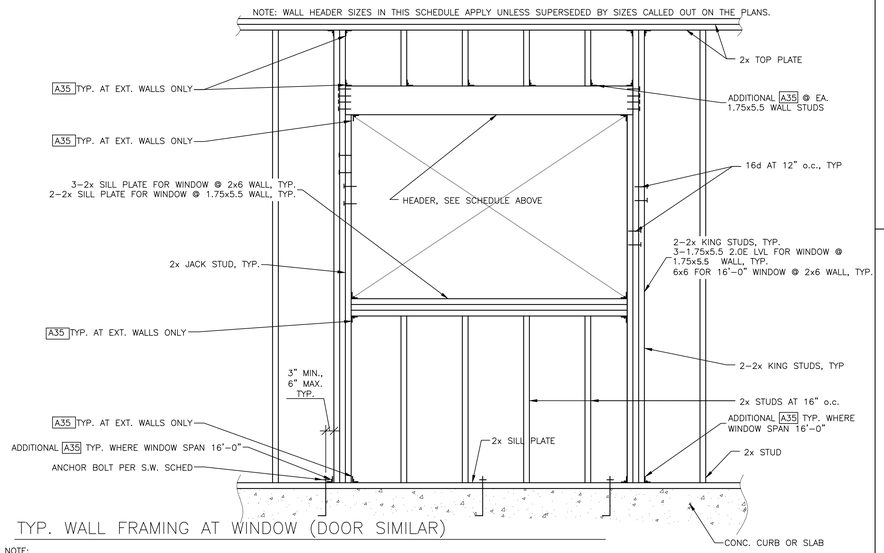
CLASSROOM 1 - ROOF FRAMING PLAN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2S3.1
Drawn: K.T.	Checked: K.T.O.

INTERIOR OR EXTERIOR WALL	LEVEL HEADER IS SUPPORTING	MAX. OPENING WIDTH	HEADER SIZE
EXTERIOR	ROOF	10'-0"	6x12
EXTERIOR	ROOF	16-0"	5¼"x11⅞" PSL2.0E
EXTERIOR	ROOF/CLERESTORY	21-5"	5¼"x11⅞" PSL2.0E
INTERIOR	ROOF	12-0"	6x12
INTERIOR	NON-BEARING	8'-0"	6x10

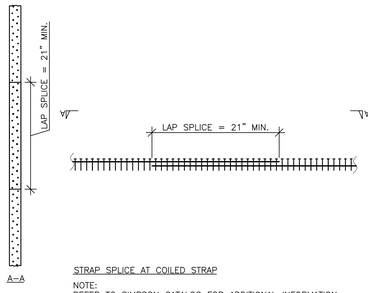
NOTE: WALL HEADER SIZES IN THIS SCHEDULE APPLY UNLESS SUPERSEDED BY SIZES CALLED OUT ON THE PLANS.



TYP. WALL FRAMING AT WINDOW (DOOR SIMILAR)

NOTE:
1. PROVIDE ½" CDX PLYWOOD WITH 10d NAILS @ 6" o.c. EDGE AND 12" o.c. FIELD AT EXTERIOR WALLS OR INTERIORS WALLS WHICH CONTAIN A SHEAR WALL, PER S.W. SCHED
2. AT CLERESTORY, KING STUDS ARE TO BE (3) 2x IN BETWEEN WINDOWS AND (2) 2x AT ENDS.

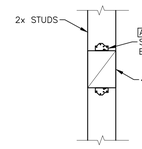
17



STRAP SPLICE AT COILED STRAP

NOTE:
REFER TO SIMPSON CATALOG FOR ADDITIONAL INFORMATION.

11



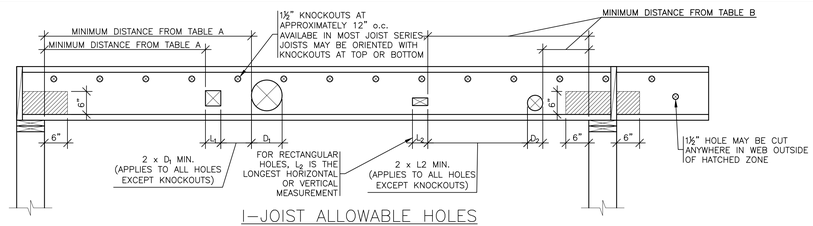
6

PLYWOOD SHEAR WALL SCHEDULE

WALL TYPE	PLYWOOD	PLYWOOD NAILING (ALL PANEL EDGES)	SILL PLATE SIZE	SILL SCREWS, ANCHOR BOLT OR NAILING/ HARDY FRAME SCREWS	FRAMING ANGLES	DETAILS
1	15/32" CDX	10d @ 6" o.c.	2x	16d @ 6" o.c. ⅝"ø A.B @ 48" o.c.	A35 @ 24" o.c.	5/2S4.0

NOTES:
1. ALL PLYWOOD PANEL EDGES SHALL BE BACKED WITH 2-INCH NORMAL OR WIDER FRAMING. (EXCEPT AS INDICATES IN NOTE 8 PLYWOOD MAY BE INSTALLED EITHER HORIZONTALLY OR VERTICALLY.
2. NAILS SHALL BE 10d COMMON 2⅞" LONG
3. ALL SILL PLATES IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
4. NAILING AT INTERMEDIATE FRAMING MEMBERS SHALL BE 10d AT 12" o.c..
5. PROVIDE A MINIMUM OF (2) ⅝"ø SILL PLATE BOLTS PER SILL PIECE, WITH ONE BOLT LOCATED WITHIN 8" OF EACH END OF PIECE.
6. WHERE PANELS APPLIED ON BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN 6" o.c. ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS. ALTERNATIVELY, THE WIDTH OF THE NAILED FACE OF FRAMING MEMBERS SHALL BE 3" NOMINAL OR THICKER AT ADJOINING PANEL EDGES AND NAILS ON EACH SIDE SHALL BE STAGGERED.
7. SEE 5/2S4.0 FOR SHEAR WALL ELEVATION.
8. FRAMING AT ADJACENT PANEL EDGES SHALL BE 3 INCHES NOMINAL OR WIDER, AND NAILS SHALL BE STAGGERED WHERE NAILS ARE SPACED 4 INCHES ON CENTER OR LESS.
9. PLYWOOD MINIMUM WIDTH SHALL BE 2'-0".
10. SEE 5/2S4.0 FOR DUCT OPENINGS IN SHEAR WALLS
11. ALL 10d NAILS ARE TO PENETRATE A MINIMUM OF 1½" INTO BLOCKING OR FRAMING MEMBERS.
12. USE 0.229" THICK BY 3" SQUARE STEEL PLATE WASHERS AT SHEAR WALL ANCHOR BOLTS. THE PLATE WASHER SHALL EXTEND TO WITHIN ½" OF THE EDGE OF THE BOTTOM PLATE ON THE SIDE WITH SHEAR WALL PLYWOOD. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.
13. WHERE PLYWOOD PER SHEAR WALL SCHEDULE IS SPECIFIED IN DETAILS BUT NO WALL TYPE IS SPECIFIED ON THE PLANS, INSTALL PLYWOOD AND ANCHOR BOLTS PER THE REQUIREMENTS OF WALL TYPE 1

2



I-JOIST ALLOWABLE HOLES

TABLE A - END SUPPORT

JOIST DEPTH	JOIST SERIES	ROUND HOLE SIZE 2"	4"	6"	8"	10"	12"
		SQUARE OR RECTANGULAR HOLE SIZE 1.25"	2.5"	4"	5"	6"	7"
16"	RED-I-45 RED-I-65	1'-0"	1'-6"	3'-0"	4'-0"	5'-0"	8'-0"
	RED-I-90 RER-I-90H	1'-0"	2'-0"	4'-0"	6'-0"	8'-6"	10'-6"
	RED-I-90HS	2'-0"	4'-0"	6'-0"	8'-0"	10'-0"	–

TABLE B - INTERMEDIATE OR CANTILEVER SUPPORT

JOIST DEPTH	JOIST SERIES	ROUND HOLE SIZE 2"	4"	6"	8"	10"	12"
		SQUARE OR RECTANGULAR HOLE SIZE 1.25"	2.5"	4"	5"	6"	7"
16"	RED-I-45 RED-I-65	1'-0"	1'-0"	2'-0"	4'-0"	6'-6"	10'-0"
	RED-I-90 RER-I-90H	1'-0"	1'-6"	4'-6"	8'-0"	11'-0"	14'-6"
	RED-I-90HS	3'-0"	4'-0"	8'-6"	11'-6"	14'-0"	–

SOLD SAWN FLANGE JOIST SERIES	FLANGE WIDTH (IN)	MINIMUM DIMENSIONS AND NAILING REQUIREMENTS WEB STIFFENER DIMENSIONS (IN) THICKNESS (IN)	WIDTH (IN)	NAILS
I-65	2½"	1"	2⅝"	3-8d BOX-2½"x0.113"
I-90	3½"	1½	3½"	5-16d BOX-3½"x0.135"

I-JOISTS GENERAL NOTES

- WEB STIFFENERS ARE REQUIRED AT HANGER LOCATIONS, THEY MUST BE ATTACHED BEFORE PLACING JOIST IN HANGER
- USE MARKED KNOCKOUT IN JOIST WEB FOR HOLES AS DESIRED.
- SEE JOIST EVALUATION REPORT ESR-1153 AND MANUFACTURER INSTALLATION GUIDE FOR MORE SPECIFIC REQUIREMENTS AND INFORMATION.

SIMPSON HOLD-DOWN SCHEDULE DESIGNATED ON PLAN AS ⬡

MARK	TYPE	MIN. SIZE OF SHEAR WALL END MEMBER	FASTENERS TO WOOD END MEMBER	ANCHOR BOLT SIZE	DETAIL
A	HDUE3-SDS3	4x6	7-SDS ¼"x3"	⅝"ø	5/2S4.0 25/2S5.0
B	HDUE7-SDS3	4x6	13-SDS ¼"x3"	⅝"ø	5/2S4.0 25/2S5.0

HOLDOWN NOTES:
1. REFER TO 18/2S4.0 FOR MINIMUM DISTANCE TO FOUNDATION CORNER, UNLESS OTHERWISE SPECIFIED ON DRAWINGS.
2. ANCHOR BOLTS REQUIRED EMBEDMENT DEPTH AS SPECIFIED ON PLANS.
3. REFER TO SIMPSON CATALOG FOR ADDITIONAL INFORMATION.
4. SHEAR WALL END MEMBER TO BE DF-#1 U.N.O.
5. SEE PLAN AND 25/2S5.0 FOR DOUBLE HOLDOWN DETAIL.
6. ALL ANCHOR BOLTS ARE TO BE HEAVY SQUARE HEAD ASTM F1554 GRADE 36.
7. AL SHEAR WALL END MEMBERS ARE TO MATCH WALL STUD THICKNESS.

3

TOP PLATE CORNER DETAIL

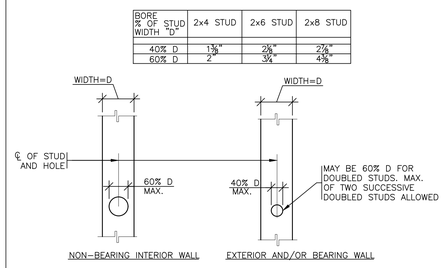
23

A–A STEMWALL PLAN VIEWS

18

SCALE: 1"=1'-0"

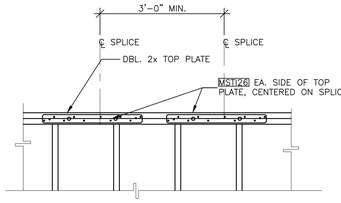
8



ALLOWABLE BORING OF STUDS

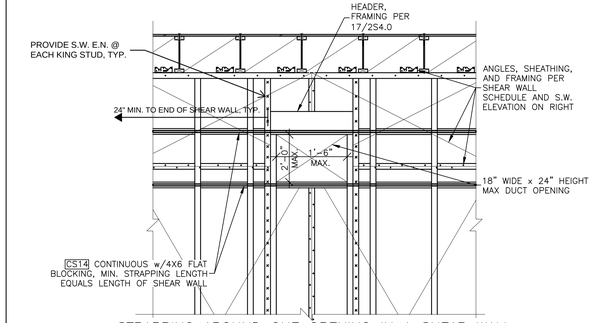
NOTE:
1. NOTCHES ARE NOT ALLOWED IN STUDS

24



TYPICAL PLATE SPLICE

19



STRAPPING AROUND ONE OPENING IN A SHEAR WALL

STRAPPING AROUND TWO OPENINGS IN A SHEAR WALL

TYP. SHEAR WALL @ FRAMING

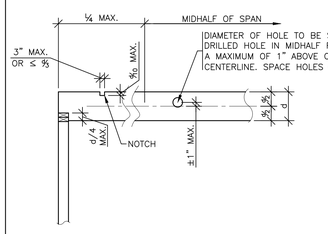
5

D	TOP PLATE
≤ 1"	NO STRAP REQ'D
2"	ST6215
2½"	2-MST27 (ONE ON EA. SIDE OF TOP PLATE)
3½"	2-MST37 (ONE ON EA. SIDE OF TOP PLATE)

NOTCHING & DRILLING OF HOLES IN TOP PLATE OF EXT. WALLS & SHEAR WALLS

NOTE:
1. D>3½" IS NOT ALLOWED.

25



NOTCHES AND BORES THROUGH JOISTS

NOTE:
1. HOLES OR NOTCHES NOT PERMITTED FOR d=4" OR LESS
2. d = DEPTH OF BEAM, PURLIN, RAFTER, OR JOIST
3. L = CLEAR SPAN OF BEAM, PURLIN, RAFTER, OR JOIST BETWEEN SUPPORT
4. THIS DETAIL APPLIES ONLY TO SOLID SAWN LUMBER, FOR HOLES THROUGH I-JOISTS, REFER TO 8/S4.0.

20

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KEY PLAN

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SHEAR WALL SCHEDULE, HOLD DOWNS, ELEVATIONS, & DETAILS

SCALE: ¾"=1'-0", U.O.N.

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2S4.0
Drawn / Checked	
M.M./K.T. / KTO	

PRINT DATE: 8/10/2026 5:16:21 PM
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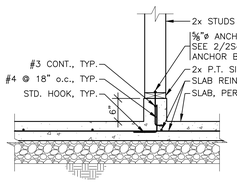

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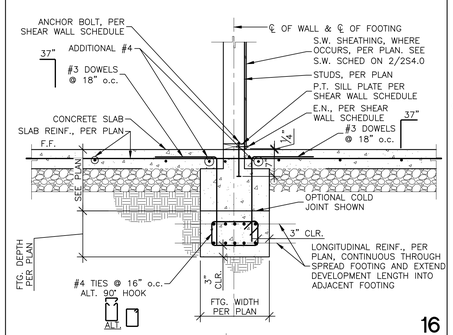

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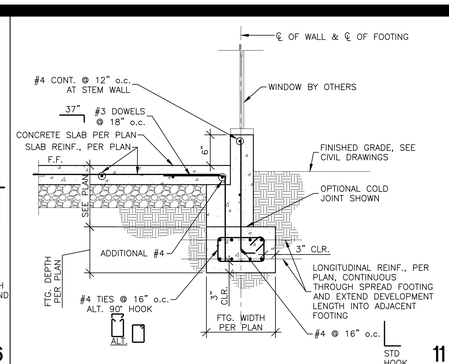

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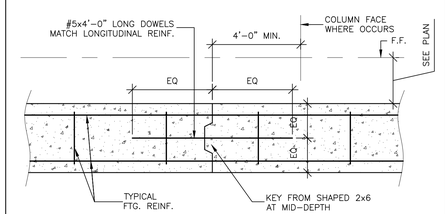
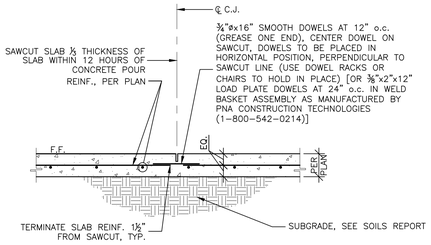
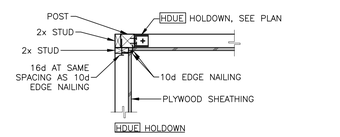


CONTINUOUS FOOTING CONSTRUCTION JOINT

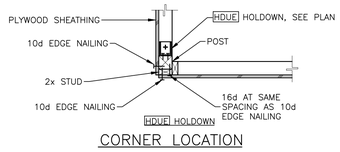
6



OPTIONAL CONSTRUCTION JOINT AT SAWCUT



INSIDE CORNER LOCATION



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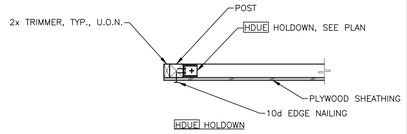

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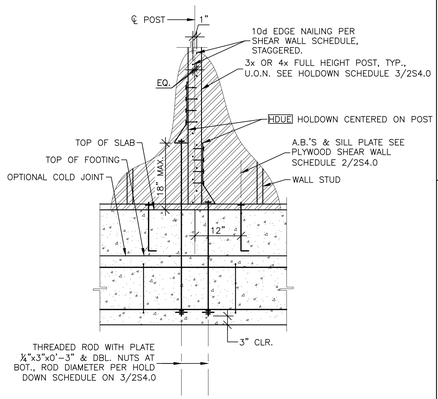
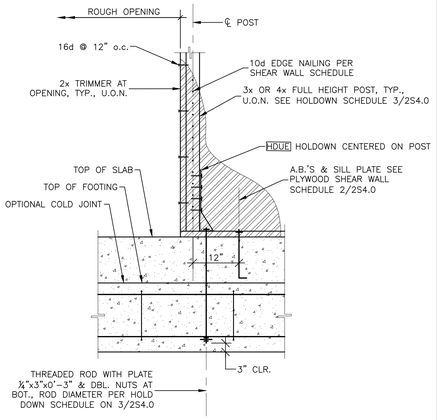


TYPICAL HDUE DOUBLE HOLDOWN DETAIL



TYPICAL HDUE HOLDOWN DETAIL

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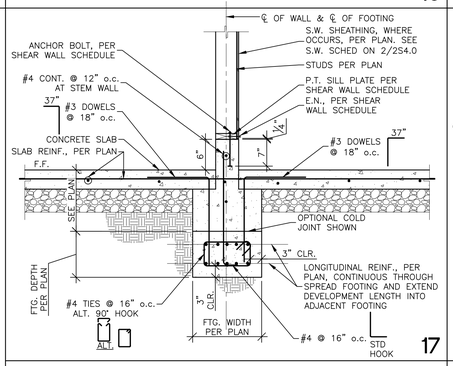

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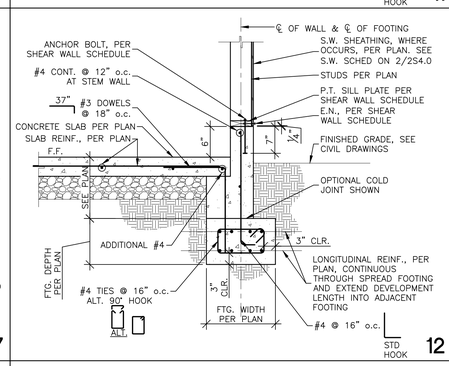

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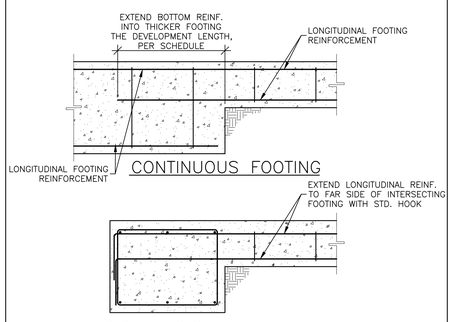

"T" OR "L" INTERSECTION

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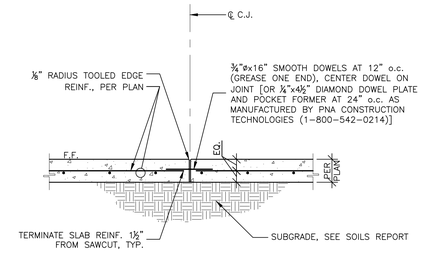

TYPICAL CONSTRUCTION JOINT AT COLD JOINT

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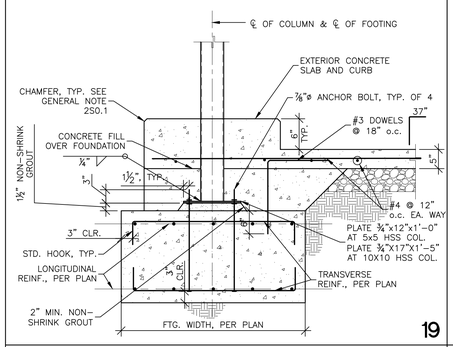

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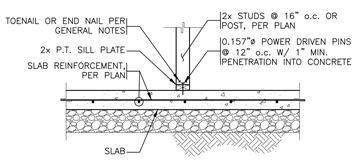

TYP. SILL PLATE AT INTERIOR NON-STRUCTURAL WALL

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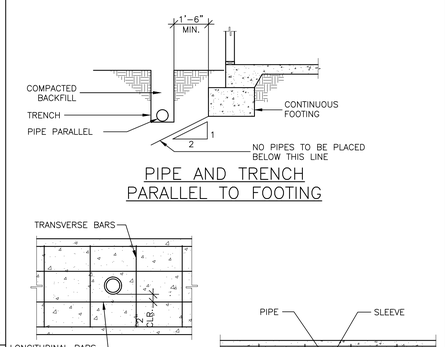
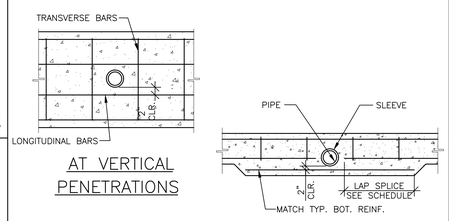
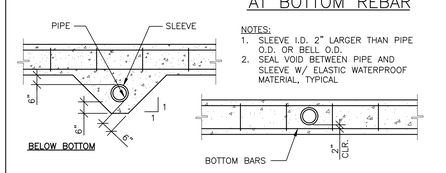


PIPE AND TRENCH PARALLEL TO FOOTING



AT VERTICAL PENETRATIONS

AT BOTTOM REBAR



NOTES:
1. SLEEVE I.D. 2" LARGER THAN PIPE O.D. OR BELL O.D.
2. SEAL VOID BETWEEN PIPE AND SLEEVE W/ ELASTIC WATERPROOF MATERIAL, TYPICAL

PIPES PERPENDICULAR TO FOOTING

CLEAR OF TOP & BOTTOM REBAR

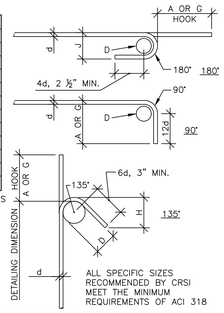
10

RECOMMENDED END HOOKS (ALL GRADES)
D=FINISHED BEND DIAMETER

BAR SIZES	180° HOOKS			90° HOOKS
	D (in.)	A OR G	J	A OR G
#3	2 1/4	5	3	6
#4	3	6	4	8
#5	3 3/4	7	5	10
#6	4 1/2	8	6	12
#7	5 1/4	10	7	14
#8	6	11	8	16
#9	9 1/2	15	11 3/4	19
#10	10 3/4	17	13 1/4	22
#11	12	19	14 3/4	24
#14	18 1/4	27	21 3/4	31
#18	24	36	28 1/2	41

135° SEISMIC STIRRUP/TIE HOOK DIMENSIONS (ALL GRADES)

BAR SIZES	135° HOOKS		
	D (in.)	A OR G	H APPROX.
#3	1 1/2	4 1/4	3
#4	2	4 1/2	3
#5	2 1/2	5 1/2	3 3/4
#6	4 1/2	8	4 1/2
#7	5 1/4	9	5 1/4
#8	6	10 1/2	6



STANDARD HOOK DETAIL

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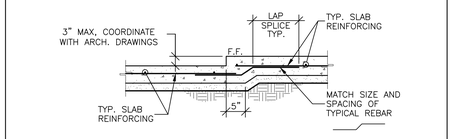

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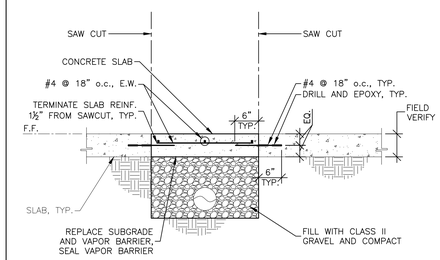

TYPICAL TRENCH REPLACEMENT

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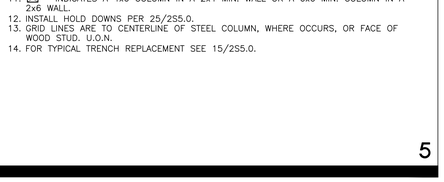

WEAKENED PLANE JOINT

3

FOUNDATION NOTES:

1. SEE GENERAL NOTES ON SHEET 2S0.1
2. "C.J." INDICATES A CONSTRUCTION JOINT PER 2/2S5.0. "W.P.J. INDICATES A WEAKENED PLANE JOINT PER 3/2S5.0. IT IS NOT PERMISSIBLE TO SUBSTITUTE A W.P.J. FOR A C.J. UNDER ANY CIRCUMSTANCE (EVEN WHEN LASER SCREED IS USED).
3. SEE DETAIL 10/2S5.0 FOR UTILITY PIPING AND/OR CONDUITS NEAR FOUNDATIONS.
4. SEE DETAIL 6/2S5.0 FOR CONSTRUCTION JOINT IN CONTINUOUS FOOTINGS.
5. TO ENSURE ADEQUATE COVERAGE OVER THE TOP OF FOOTINGS, THE CONTRACTOR SHALL COORDINATE THE TOP OF FOOTING ELEVATIONS WITH THE CIVIL DRAWINGS.
6. SEE DETAIL 4/2S5.0 FOR TYPICAL BAR BENDS.
7. SEE DETAILS 3/2S0.1, 4/2S0.1 AND 5/2S0.1 FOR TYPICAL BAR LAP AND EMBEDMENTS.
8. SEE DETAIL 8/2S5.0 FOR TYPICAL FOOTING REINFORCEMENT AT CORNERS.
9. SEE DETAIL 7/2S5.0 FOR REINFORCING WHERE ADJACENT FOOTINGS DIFFER. DETAIL IS SIMILAR AT OTHER FOOTING INTERSECTIONS.
10. SEE 5/2S4.0 FOR SHEAR WALL CONSTRUCTION.
11. ☐ INDICATES A 4x6 COLUMN IN A 2x4 MIN. WALL OR A 6x6 MIN. COLUMN IN A 2x6 WALL.
12. INSTALL HOLD DOWNS PER 25/2S5.0.
13. GRID LINES ARE TO CENTERLINE OF STEEL COLUMN, WHERE OCCURS, OR FACE OF WOOD STUD. U.O.N.
14. FOR TYPICAL TRENCH REPLACEMENT SEE 15/2S5.0.

5

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

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USE JOB #: 2025148

ARCHITECT	ENGINEER
LICENSED ARCHITECT JEFFREY P. WHITMORE No. C 30345 Ren. 9/30/23 STATE OF CALIFORNIA	REGISTERED PROFESSIONAL ENGINEER KEVIN T. OKEEFE No. S 4192 Exp. 12/31/26 STRUCTURAL STATE OF CALIFORNIA
DATE SIGNED: 06/16/2026	

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REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN

FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

FOUNDATION DETAILS

SCALE: ¾"=1'-0"

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2S5.0
Drawn / Checked	
M.M./K.T. / KTO	

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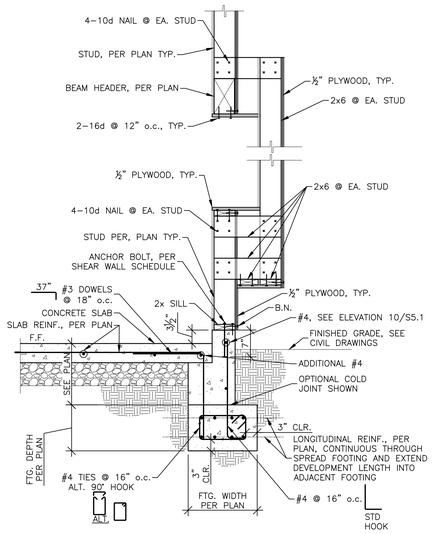

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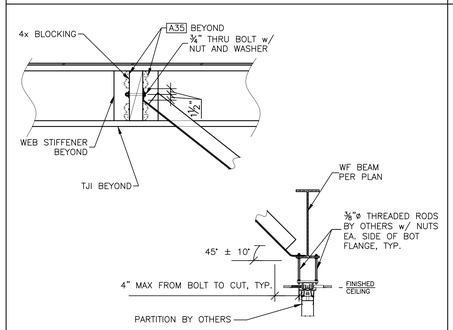

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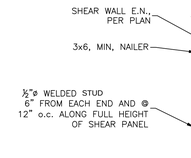

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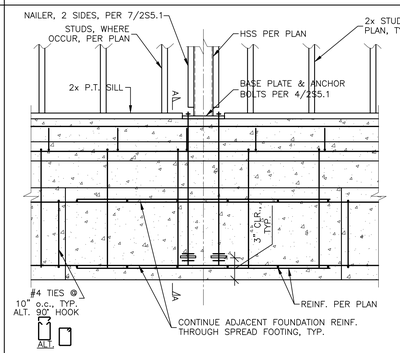

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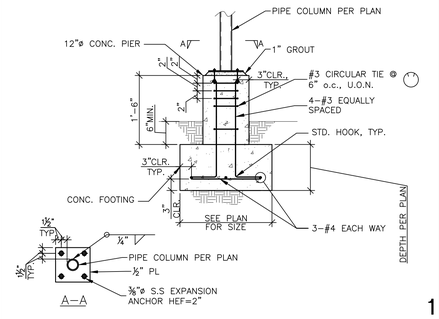

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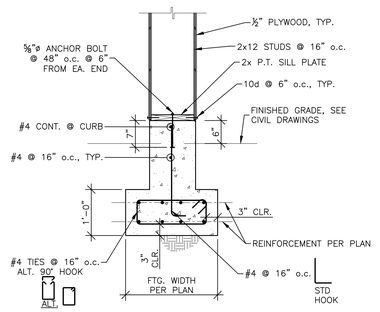

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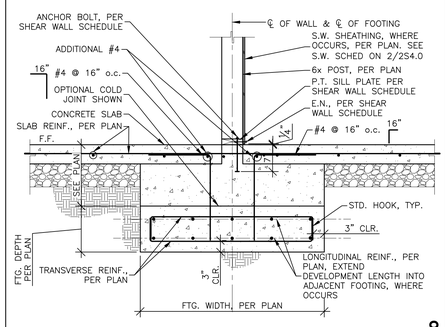

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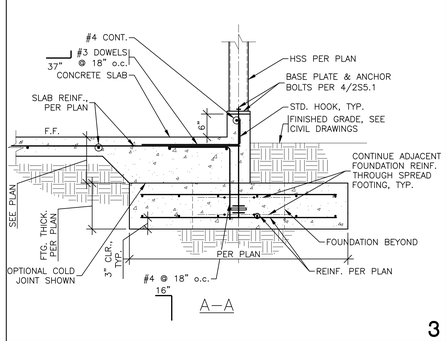

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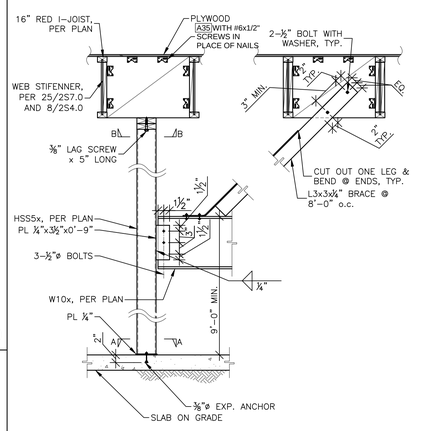

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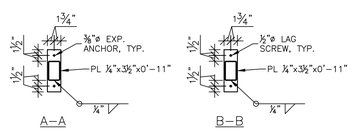

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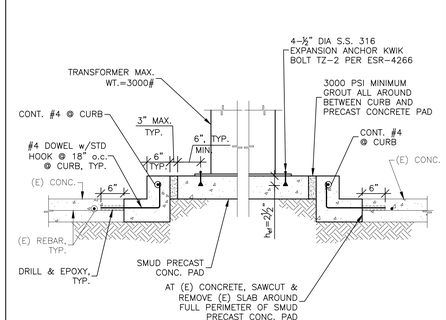

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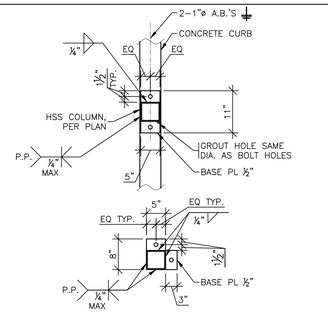

HSS COLUMN BASE PLATE @ CURB

4

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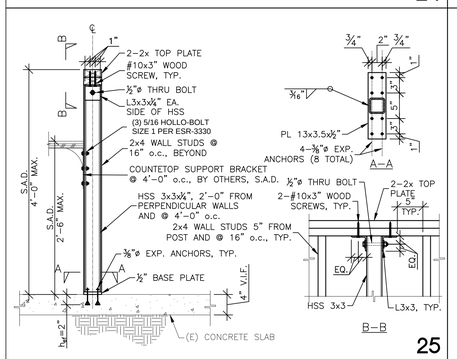

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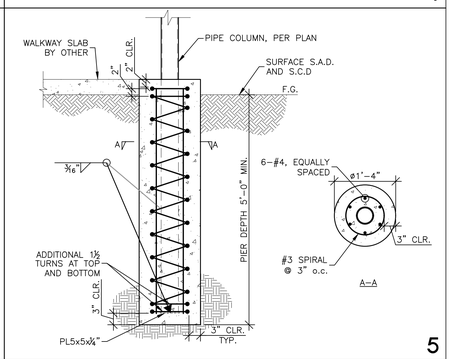

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5

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USE JOB #: 2025148

ARCHITECT	ENGINEER
LICENSED ARCHITECT BRYAN P. WHITMORE No. C 30345 Ren. 9/30/23 STATE OF CALIFORNIA	REGISTERED PROFESSIONAL ENGINEER KELVIN T. OKEEFE No. S 4192 Exp. 12/31/26 STRUCTURAL STATE OF CALIFORNIA
DATE SIGNED: 09/18/2025	

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DATE: 07/31/2026

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1965 BIRKMONT DRIVE
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DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
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10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

FOUNDATION DETAILS

SCALE: ¾"=1'–0"

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2S5.1
Drawn: M.M./K.T.	Checked: KTO

PRINT DATE: 8/10/2026 5:16:21 PM
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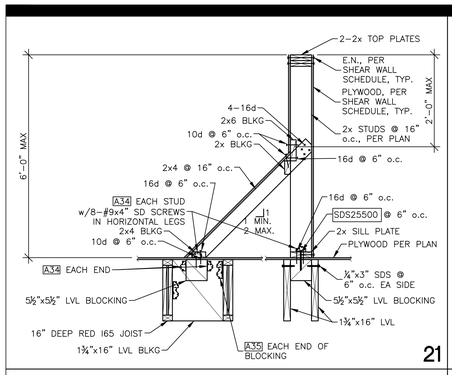
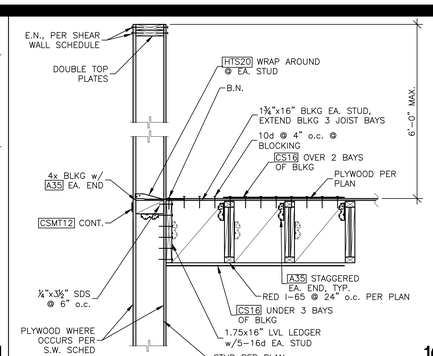
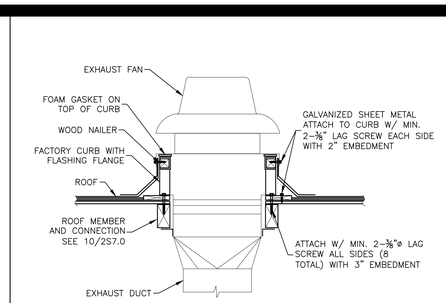


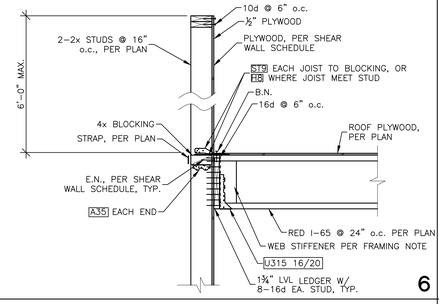


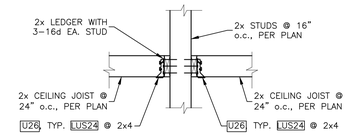


TYPICAL EXHAUST/SUPPLY FAN

NOTE: SEE DETAIL 10/2S7.0 FOR OPENING IN ROOF.

11





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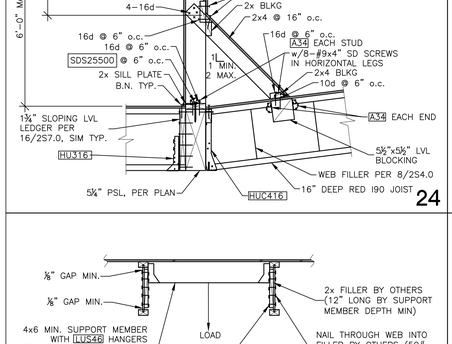

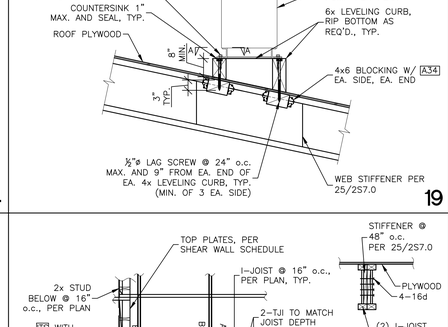

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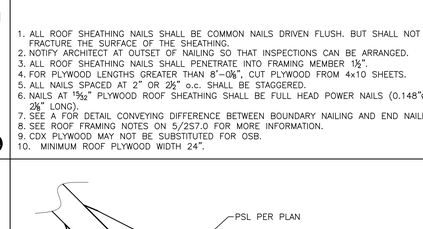

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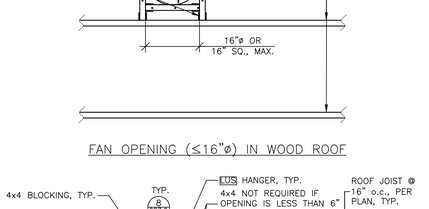

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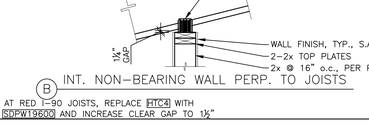

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NOTE: TJI JOISTS NOT SHOWN FOR CLARITY FOR UNITS LONG DIRECTION - PERPENDICULAR TO JOIST

3

19

1. ALL ROOF SHEATHING NAILS SHALL BE COMMON NAILS DRIVEN FLUSH. BUT SHALL NOT FRACTURE THE SURFACE OF THE SHEATHING.
2. NOTIFY ARCHITECT AT OUTSET OF NAILING SO THAT INSPECTIONS CAN BE ARRANGED.
3. ALL ROOF SHEATHING NAILS SHALL PENETRATE INTO FRAMING MEMBER 1½".
4. FOR PLYWOOD LENGTHS GREATER THAN 8'–0⅝", CUT PLYWOOD FROM 4x10 SHEETS.
5. ALL NAILS SPACED AT 2" OR 2½" o.c. SHALL BE STAGGERED.
6. NAILS AT 1⁹⁄₃₂" PLYWOOD ROOF SHEATHING SHALL BE FULL HEAD POWER NAILS (0.148"ø x 2⅜" LONG).
7. SEE A FOR DETAIL CONVEYING DIFFERENCE BETWEEN BOUNDARY NAILING AND END NAILING.
8. SEE ROOF FRAMING NOTES ON 5/2S7.0 FOR MORE INFORMATION.
9. CDX PLYWOOD MAY NOT BE SUBSTITUTED FOR OSB.
10. MINIMUM ROOF PLYWOOD WIDTH 24".

14

FAN OPENING (≤16"ø) IN WOOD ROOF

4

NOTE: AT RED I–90 JOISTS, REPLACE HTC4 WITH SDPWT9600 AND INCREASE CLEAR GAP TO 1½"

4

NOTE:1)USE THIS DETAIL FOR LOADS UP TO BUT NOT EXCEEDING 250 Lbs. PER I–JOIST. A 250 Lbs. LOAD CAN BE SUPPORTED ON EACH SIDE OF THE JOISTS BOTTOM FLANGE.
2. Refer to 8/2S4.0 for additional requirements for joist web fillers and attachments.

SUPPORT DETAIL FOR LOADS SUPPORTED FROM I–JOIST

25

20

15

FAN OPENING (>16"ø) IN WOOD ROOF

10

ROOF FRAMING NOTES:

1. SEE GENERAL NOTES ON SHEET 2S0.1
2. U.O.N. NOTCHES IN STRUCTURAL MEMBERS ARE NOT PERMITTED.
3. NO SHEATHING OF LESS THAN 2'–0" IN ANY DIMENSION SHALL BE USED; ANY ODD SIZE SHEATHING SHALL BE PLACED NEAR CENTER OF DIAPHRAGM.
4. U.O.N. ALL EXTERIOR AND INTERIOR BEARING/SHEAR WALLS SHALL BE 2X6 #1 D.F. AT 16" o.c. TYP.
5. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
6. FOR SHEAR WALL CONSTRUCTION, SEE 5/2S4.0.
7. [C] INDICATES A 6X6 MIN. COLUMN IN A 2X6 WALL, U.O.N.
8. SEE DETAIL 17/2S4.0 FOR HEADER SCHEDULE.
9. SEE 24/2S4.0 AND 25/2S4.0 FOR NOTCHES AND BORES THROUGH THE 2X6 STUDS AND DOUBLE TOP PLATE. SEE 20/2S4.0 FOR NOTCHES AND BORES THROUGH JOISTS. SEE 23/2S4.0 FOR TOP PLATE CORNERS.
10. SEE DETAIL 19/2S4.0 FOR TYPICAL TOP PLATE SPLICE.
11. CONTRACTOR SHALL VERIFY AND COORDINATE ALL ROOF OPENING SIZES AND LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
12. SEE 8/2S4.0 FOR ALLOWABLE HOLES THROUGH I–JOISTS.
13. INSTALL WEB STIFFENER AT I JOIST AT WHERE BEARING WALLS AND HANGERS PER 8/2S4.0. JOIST HANGERS PER FOLLOWING U.O.N.:
    - 13.1. HU1* FOR 16" TJI 110, LVL 1¾x16", AND LSL 1¾x16".
    - 13.2. HU318* FOR 16" RED I–65 JOIST
    - 13.3. HU416* FOR PSL 2.0E 3½x16.
    - *NOTE: WHERE HANGER CONNECT TO LVL LEDGER, USING #10x1½" SD SCREWS.
14. SEE 25/2S7.0 FOR I–JOIST WEB FILLER.
15. FOR CS AND CMST STRAP SPLCIE, SEE DETAIL 11/2S4.0.
16. SEE 14/2S7.0 FOR ADDITIONAL PLYWOOD AND PLYWOOD NAILING NOTES.
17. A MAXIMUM OF ONE LAYER OF RE–ROOFING IS ALLOWED. IF RE–ROOFING OCCURS, IT MUST BE THE SAME ROOFING SYSTEM AS THE ORIGINAL DESIGN OR NEW ROOF CALCULATIONS WILL BE REQUIRED.

5

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APP: 02-123800 INC: 02
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DATE: 07/31/2026

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USE JOB #: 2025148

ARCHITECT	ENGINEER
LICENSED ARCHITECT BRYAN P. WHITMORE No. C 30345 Ren. 9/30/23 STATE OF CALIFORNIA	REGISTERED PROFESSIONAL ENGINEER KEVIN T. OLVERA No. S 4192 Exp. 12/31/26 STRUCTURAL STATE OF CALIFORNIA
DATE SIGNED: 06/16/2026	

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REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
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KEY PLAN

FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

ROOF FRAMING DETAILS

SCALE: ¾"=1'–0", U.O.N.

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2S7.0
Drawn / Checked	
M.M./K.T. / KTO	

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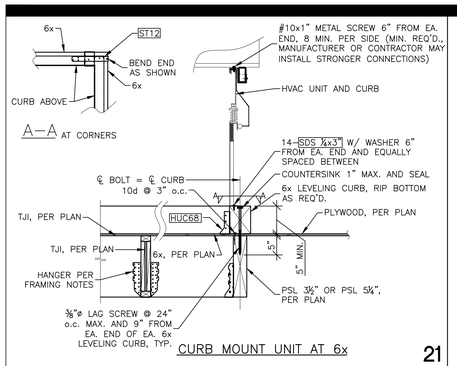

CURB MOUNT UNIT AT 6x

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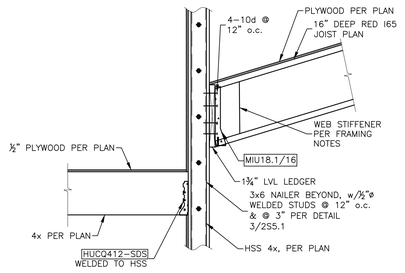

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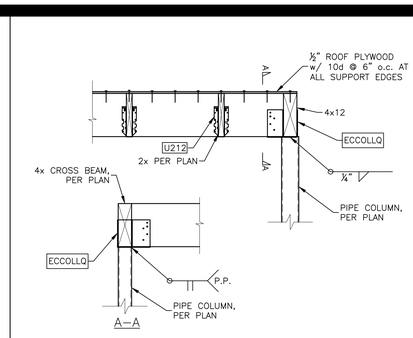

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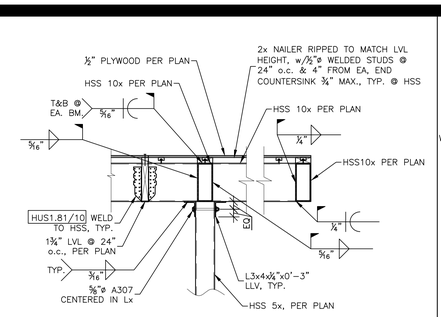

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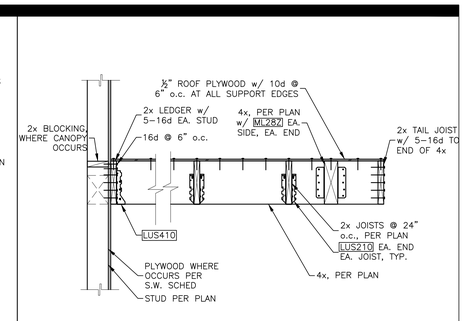

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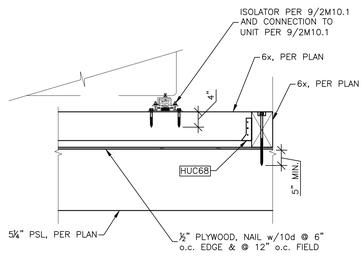

NOTE: SEE DETAIL 2S/2S7.1 FOR INFORMATION NOT SHOWN.

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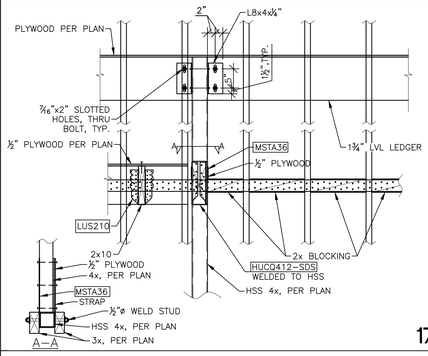

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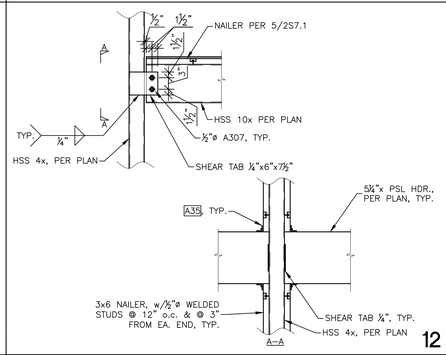

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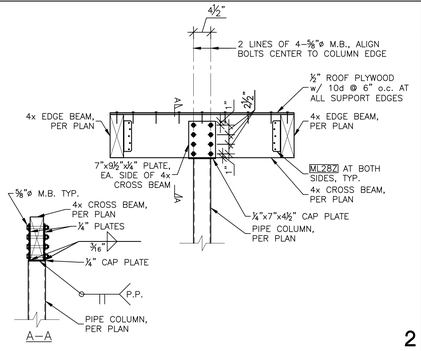

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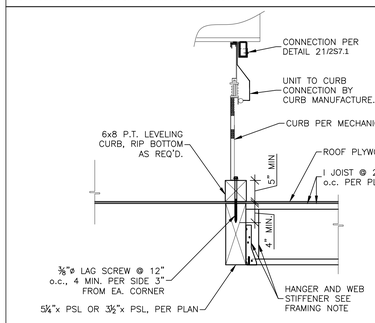

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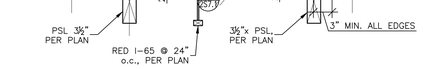

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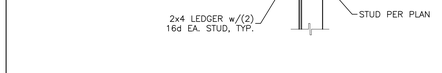

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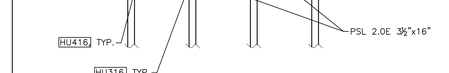

NOTE: FOR UNITS LONG DIRECTION PARALLEL TO JOIST

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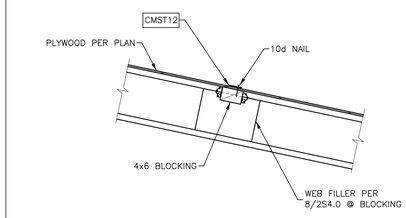

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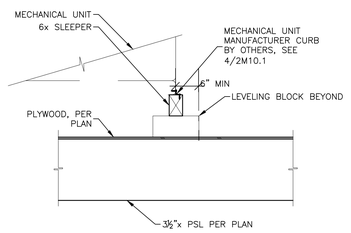

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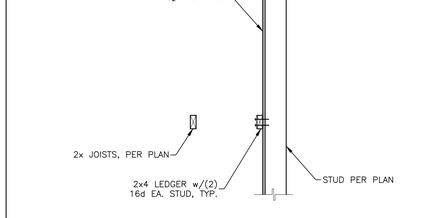

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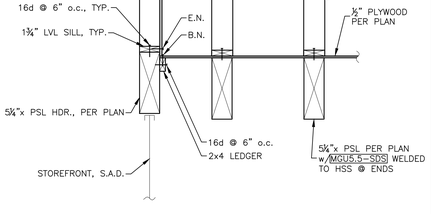

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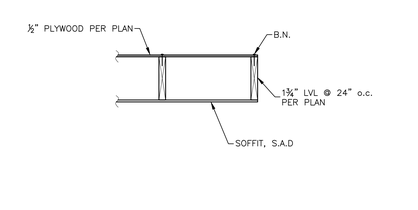

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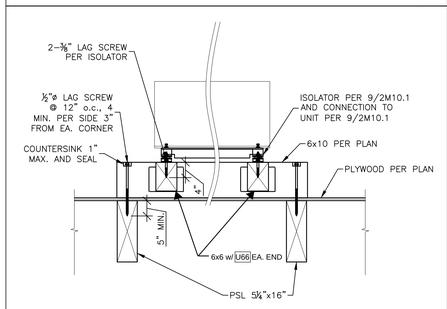

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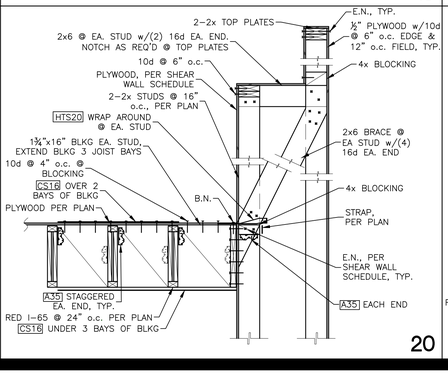

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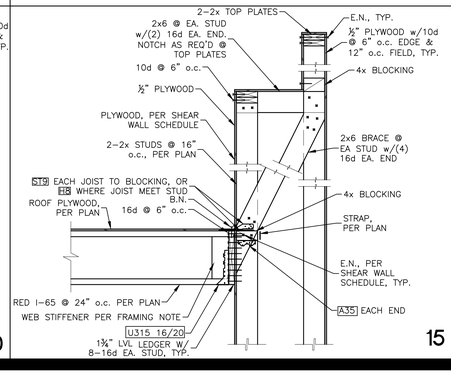

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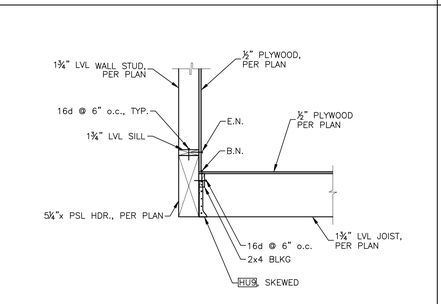

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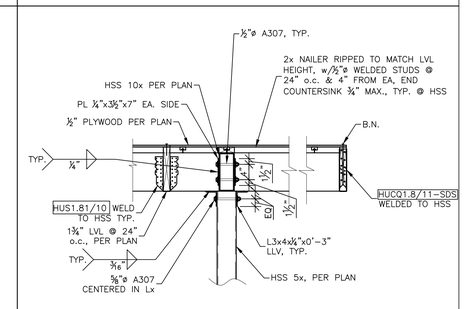

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USE JOB #: 2025148

ARCHITECT	ENGINEER
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DATE SIGNED: 06/16/2026	

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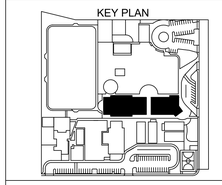
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

ROOF FRAMING DETAILS

SCALE: ¾"=1'-0", U.O.N.

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2S7.1
Drawn: M.M./K.T.	Checked: KTO

21

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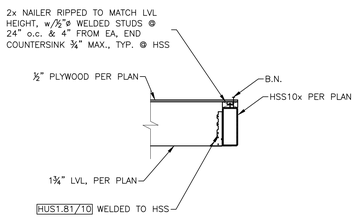

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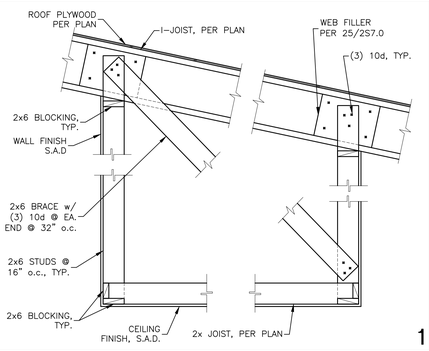

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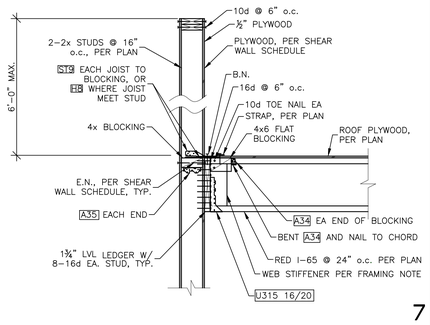

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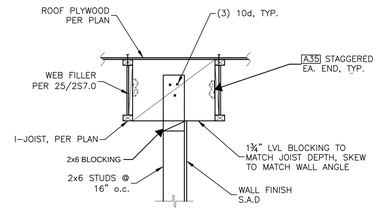

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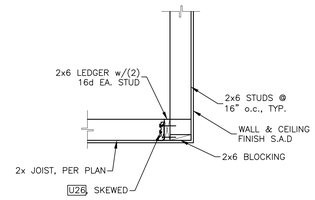

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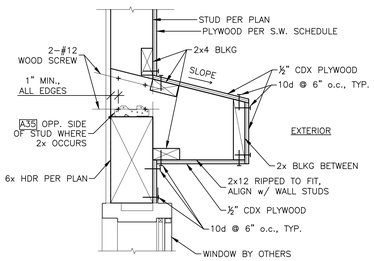


ELEVATION VIEW
ABOVE WINDOW POPOUTS

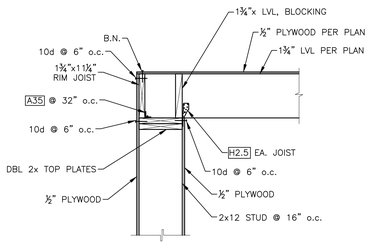
SCALE: 1½"=1'-0"

24

19

14

9



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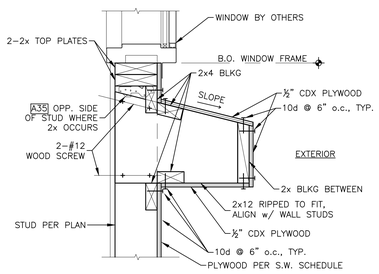
25

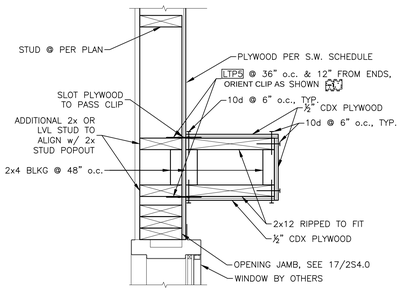
20

15



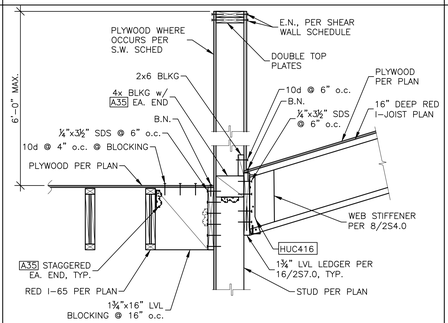
ELEVATION VIEW
BELOW WINDOW POPOUTS

SCALE: 1½"=1'-0"



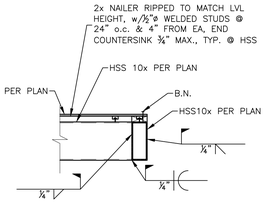
PLAN VIEW
SIDE OF WINDOW POPOUTS

SCALE: 1½"=1'-0"



NOTE: INSTALL PARAPET BRACE ON RIGHT SIDE OF WALL SIMILAR TO 24/2S7.0. NOT SHOWN FOR CLARITY.

10



5

PRINT DATE: 6/10/2026 5:16:21 PM
FILE PATH: Autodesk Docs://25010 FCUSD Cordova Villa ES Mod/25010.1 - FCUSD Cordova Villa ES Mod - Phase 1.rvt

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

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USE JOB #: 2025148

ARCHITECT	ENGINEER
LICENSED ARCHITECT BRYAN P. WHITMORE No. C 30345 Ren. 9/30/23 STATE OF CALIFORNIA	REGISTERED PROFESSIONAL ENGINEER KEVIN T. OLVERA No. S 4192 Exp. 12/31/26 STRUCTURAL STATE OF CALIFORNIA
DATE SIGNED: 06/16/2026	

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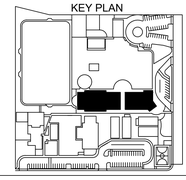
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

ROOF FRAMING DETAILS

SCALE: ¾"=1'-0", U.O.N.

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2S7.2
Drawn: M.M./K.T.	Checked: KTO

FIRE & FIRE/SMOKE DAMPER SCHEDULE

SYMBOL	TYPE	DESCRIPTION
FSD	1 HOUR VERTICAL	RUSKIN MODEL FSD60-2 COMBINATION FIRE/SMOKE DAMPER 1-1/2 HOURS UL555 RATED, UL555S LEAKAGE CLASS 2, INSTALLED VERTICALLY FOR FIRE RATED WALL PENETRATION. CSFM LISTING # 3235-245:0126.
FSD	1 HOUR HORIZONTAL	RUSKIN MODEL FSD60-2 COMBINATION FIRE/SMOKE DAMPER 1-1/2 HOURS UL555 RATED, UL555S LEAKAGE CLASS 2, INSTALLED HORIZONTALLY FOR FIRE RATED FLOOR/CEILING PENETRATION. CSFM LISTING #3235-245:0126.
FSD	1 HOUR GRILLE ACCESS	RUSKIN MODEL FSD60GA COMBINATION FIRE/SMOKE DAMPER 1-1/2 HOURS UL555 RATED, UL555S LEAKAGE CLASS 2, INSTALLED VERTICALLY FOR FIRE RATED WALL PENETRATION. DAMPERS ALLOW THROUGH THE GRILLE ACCESS TO THE DAMPER, ACTUATOR AND HEAT ACTUATED DEVICE. CSFM LISTING #3235-0245:0126.
CFSD	1 HOUR CEILING	RUSTKIN MODEL FSD60-C CEILING COMBINATION FIRE/SMOKE DAMPER 1 HOURS UL555 RATED, UL555S LEAKAGE CLASS 1, INSTALLED HORIZONTALLY FOR FIRE RATED CEILING PENETRATION. CSFM LISTING: FIRE DAMPER LISTING #3225-245:102 AND SMOKE DAMPER LISTING #3230- 245:110.
CRD	1 HOUR HORIZONTAL	RUSKIN MODEL CFD(R) CEILING FIRE DAMPER RATED FOR 3 HOURS, UL CLASSIFIED, ULC LISTED INSTALLED HORIZONTALLY AT CEILING PENETRATION. COMPLETE WITH THERMAL ISULATING BLANKET.
FD	1.5 HOUR VERTICAL	RUSKIN MODEL IBD2 / IBD2GA FIRE DAMPER UL555, INSTALLED VERTICAL AT FIRE BARRIER WALL PENETRATION. CSFM CALIFORNIA STATE FIRE MARSHAL LISTING #3225-0245:005
SD	LOW LEAKAGE VERTICAL	RUSKIN MODEL SD60 SMOKE DAMPER UL555S LEAKAGE CLASS 1. INSTALLED VERTICALLY AT SMOKE BARRIER WALL PENETRATION. CSFM LISTING #3230-0245:0131.

NOTES:
1. FIRE SMOKE DAMPERS SHALL BE STATE FIRE MARSHAL APPROVED AND COMPLETE INSTALLATION SHALL BE PER MANUFACTURER'S LISTED INSTRUCTIONS WHICH SHALL BE MADE AVAILABLE TO INSPECTING AUTHORITIES.
2. COORDINATE POWER REQUIREMENTS WITH ELECTRICAL/FIRE ALARM CONTRACTOR.

AIR DISTRIBUTION SCHEDULE

SYMBOL	TYPE	DESCRIPTION
A	CEILING SUPPLY	STEEL LOUVERED FACE DIFFUSER WITH FRAME FOR LAY-IN T-BAR MOUNTING. TITUS MODEL MCD. REFER TO THE MECHANICAL PLANS FOR NECK SIZE, CFM, AIR DIFFUSION PATTERN, AND FIRE DAMPER (IF REQUIRED).
B	CEILING RETURN	EGGCRATE GRILLE WITH 1/2"x1/2"x1/2" GRID, FRAME FOR LAY-IN T-BAR MOUNTING. TITUS MODEL 50R. REFER TO THE MECHANICAL PLANS FOR NECK SIZE, CFM, AIR DIFFUSION PATTERN, AND FIRE DAMPER (IF REQUIRED).
C	CEILING SUPPLY	STEEL LOUVERED FACE DIFFUSER WITH FRAME FOR SURFACE MOUNTING. TITUS MODEL MCD. REFER TO THE MECHANICAL PLANS FOR NECK SIZE, CFM, AIR DIFFUSION PATTERN, AND FIRE DAMPER (IF REQUIRED).
I	SIDEWALL RETURN	EGGCRATE GRILLE WITH 1/2"x1/2"x1/2" GRID, FRAME FOR SURFACE MOUNTING. TITUS MODEL 50R. REFER TO THE MECHANICAL PLANS FOR NECK SIZE, CFM, AIR DIFFUSION PATTERN, AND FIRE DAMPER (IF REQUIRED).
L	WALL LOUVER	DRAINABLE STATIONARY EXTRUDED ALUMINUM LOUVER, WITH INTEGRAL FLANGE, 54%FREE AREA, BIRD SCREEN, WELDED CONSTRUCTION. FINISH BY ARCHITECT. RUSKIN MODEL #ELF375DXH. REFER TO THE MECHANICAL PLANS FOR NECK SIZE, CFM, AIR DIFFUSION PATTERN, AND FIRE DAMPER (IF REQUIRED).
M	LINEAR SLOT SUPPLY	ALUMINUM LINEAR SLOT DIFFUSER, 48" LENGTH, (2) SLOT, 2.5" SLOT WIDTH, 12" INLET BORDER TYPE 66, HIGH THROW. PROVIDE MOUTING CLIP, DUCT PLENUM, END-CAPS, AND BLANK-OFF PLATES. FINISH: COLOR BY ARCHITECT. FRAME: FLAT SURFACE. TITUS MODEL #FL-25-2
N	LINEAR SLOT SUPPLY	ALUMINUM LINEAR SLOT DIFFUSER, 48" LENGTH, (1) SLOT, 2.5" SLOT WIDTH, 12" INLET BORDER TYPE 66, HIGH THROW. PROVIDE MOUTING CLIP, DUCT PLENUM, END-CAPS, AND BLANK-OFF PLATES. FINISH: COLOR BY ARCHITECT. FRAME: FLAT SURFACE. TITUS MODEL #FL-25-1.
O	LINEAR SLOT RETURN	ALUMINUM LINEAR SLOT DIFFUSER, 48" LENGTH, (1) SLOT, 2.5" SLOT WIDTH, 12" INLET BORDER TYPE 66, HIGH THROW. PROVIDE MOUTING CLIP, DUCT PLENUM, END-CAPS, AND BLANK-OFF PLATES. FINISH: COLOR BY ARCHITECT. FRAME: FLAT SURFACE. TITUS MODEL #FL-25-1.
P	LINEAR SLOT SUPPLY	ALUMINUM LINEAR SLOT DIFFUSER, 60" LENGTH, (2) SLOT, 1.5" SLOT WIDTH, 8" INLET BORDER TYPE 66, HIGH THROW. PROVIDE MOUTING CLIP, DUCT PLENUM, END-CAPS, AND BLANK-OFF PLATES. FINISH: COLOR BY ARCHITECT. FRAME: FLAT SURFACE. TITUS MODEL #FL-15-2
Q	LINEAR SLOT SUPPLY	ALUMINUM LINEAR SLOT DIFFUSER, 48" LENGTH, (1) SLOT, 2.5" SLOT WIDTH, 10" INLET BORDER TYPE 11, HIGH THROW. PROVIDE MOUTING CLIP, DUCT PLENUM, END-CAPS, AND BLANK-OFF PLATES. FINISH: COLOR BY ARCHITECT. FRAME: FLAT SURFACE. TITUS MODEL #FL-25-1.
R	LINEAR SLOT RETURN	ALUMINUM LINEAR SLOT DIFFUSER, 48" LENGTH, (1) SLOT, 2.5" SLOT WIDTH, 10" INLET BORDER TYPE 11, HIGH THROW. PROVIDE MOUTING CLIP, DUCT PLENUM, END-CAPS, AND BLANK-OFF PLATES. FINISH: COLOR BY ARCHITECT. FRAME: FLAT SURFACE. TITUS MODEL #FL-25-1.

PIPE HANGER SCHEDULE

MATERIALS	TYPES OF JOINTS	HORIZONTAL	VERTICAL
COPPER TUBE AND PIPE	SOLDERED OR BRAZED	1-1/2 INCHES AND SMALLER, 6 FEET; 2 INCHES AND LARGER, 10 FEET	EACH FLOOR, NOT TO EXCEED 10 FEET; NOTE 5

NOTES:
1. HANGER SPACING PER CPC TABLE 313.3.
2. SEISMIC BRACING SPACING NOT TO EXCEED 24FT O.C. AND 2FT FROM CHANGES IN DIRECTION.
3. SEISMIC BRACING IS NOT REQUIRED FOR THE FOLLOWING CONDITIONS PER CBC 1617A.1.26 AND ASCE 7, SECTION 13.6.7.3 (EXCEPTION 2):
   A. PIPING CONTAINING HAZARDOUS CONTENTS (EX: NATURAL GAS, PROPANE, MEDICAL GASES) WITH AN Ip>1.0 WHERE:
      a. PIPE SIZE IS 1" OR LESS, AND
      b. PIPE IS SUPPORTED BY INDIVIDUAL HANGER NOT EXCEEDING 12", AND
      c. TOTAL WEIGHT SUPPORTED BY INDIVIDUAL HANGER IS 50 POUNDS OR LESS.
   B. ALL OTHER PIPING NOT CONTAINING HAZARDOUS CONTENTS WITH AN Ip=1.0 WHERE:
      a. PIPE SIZE IS 3" OR LESS, AND
      b. PIPE IS SUPPORTED BY INDIVIDUAL HANGER NOT EXCEEDING 12", AND
      c. TOTAL WEIGHT SUPPORTED BY INDIVIDUAL HANGER IS 50 POUNDS OR LESS.
4. SUPPORT ADJACENT TO JOINT, NOT TO EXCEED 18".
5. SUPPORT AT EACH HORIZONTAL BRANCH CONNECTION.
6. HANGERS SHALL NOT BE PLACED ON THE COUPLING.
7. SEE THE APPROPRIATE IAPMO INSTALLATION STANDARD FOR EXPANSION AND OTHER SPECIAL REQUIREMENTS.

HANGER ROD SIZING

PER 2022 CPC TABLE 313.6

PIPE AND TUBE SIZE (IN)	ROD SIZE (IN)
1/2"ø - 4"ø	3/8"ø
5"ø - 8"ø	1/2"ø
10"ø -12"ø	5/8"ø

MECHANICAL SPECIFICATIONS

1. THIS CONTRACTOR SHALL COMPLY WITH ALL CODES AND REGULATIONS IN EFFECT AT THE JOB SITE, INCLUDING, BUT NOT LIMITED TO:
   A. 2022 CALIFORNIA BUILDING CODE
   B. 2022 CALIFORNIA MECHANICAL CODE
   C. 2022 CALIFORNIA PLUMBING CODE
   D. 2022 CALIFORNIA ELECTRICAL CODE
   E. 2022 CALIFORNIA GREEN BUILDING STANDARDS
   F. 2022 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS - TITLE 24
   G. NATIONAL FIRE PROTECTION ASSOCIATION
   H. CALIFORNIA STATE FIRE MARSHAL
2. DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC. DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF EQUIPMENT, PIPING, AND OTHER MECHANICAL WORK. USE JUDGEMENT AND CARE TO INSTALL MECHANICAL WORK TO FIT THE JOB CONDITIONS WITHIN THE BUILDING CONSTRUCTION AND FINISHES, AND TO FUNCTION PROPERLY.
3. CONTRACTOR SHALL EXAMINE THE SITE, VERIFY DIMENSIONS AND LOCATIONS WITH DRAWINGS, CHECK UTILITY CONNECTION LOCATIONS, AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND LIMITATIONS. NO EXTRAS WILL BE ALLOWED BECAUSE OF THE CONTRACTOR'S MISUNDERSTANDING OF THE AMOUNT OF WORK INVOLVED OR HIS LACK OF KNOWLEDGE OF ANY SITE CONDITION WHICH MAY AFFECT HIS WORK. ANY APPARENT VARIANCE OF THE DRAWINGS OR SPECIFICATIONS FROM THE EXISTING CONDITIONS AT THE SITE SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
4. THIS CONTRACTOR SHALL ORGANIZE HIS WORK SO THAT THE PROGRESS OF THE MECHANICAL WORK WILL CONFORM TO THE PROGRESS OF THE OTHER TRADES, AND SHALL COMPLETE THE ENTIRE INSTALLATION AS SOON AS THE CONDITIONS OF THE BUILDING WILL PERMIT. ANY COST RESULTING FROM DEFECTIVE OR ILL TIMED WORK PERFORMED UNDER THIS SECTION SHALL BE BORNE BY THIS CONTRACTOR.
5. THE WORK SHALL ALSO INCLUDE THE COMPLETION OF DETAILS OF MECHANICAL WORK NOT MENTIONED OR SHOWN WHICH ARE NECESSARY FOR THE SUCCESSFUL OPERATION OF MECHANICAL SYSTEMS DESCRIBED ON THE DRAWINGS OR REQUIRED BY THESE SPECIFICATIONS. FURNISH AND INSTALL ANY INCIDENTAL WORK NOT SHOWN OR SPECIFIED WHICH IS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.
6. ALL MATERIALS AND EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE GUARANTEED FREE FROM ALL MECHANICAL, ELECTRICAL AND WORKMANSHIP DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ALL DAMAGED ITEMS INSTALLED UNDER THIS CONTRACT WITHOUT ADDITIONAL COST TO OWNER.
7. THE MECHANICAL CONTRACTOR SHALL PROVIDE THE OWNER COPIES OF OPERATION, MAINTENANCE AND PREVENTATIVE MAINTENANCE MANUALS FOR EACH MODEL AND TYPE OF MECHANICAL EQUIPMENT.
8. SUBMIT MANUFACTURER'S PRODUCT DATA INCLUDING NAME OF MANUFACTURER, TRADE NAME, MODEL, CAPACITY, OPTIONS, DIMENSIONS, WEIGHTS, INSTALLATION AND STARTUP DATA. EQUIPMENT PERFORMANCES SCHEDULED ARE MINIMUM CAPACITY, AIR FLOW, EFFICIENCY, ETC. REQUIRED. WEIGHTS AND ELECTRICAL DATA SCHEDULED IS MAXIMUM AVAILABLE OR ALLOWABLE.
9. ALL EQUIPMENT IS TO BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER. USING ALL ACCESSORY EQUIPMENT AVAILABLE FROM THE MANUFACTURER FOR SUPPORTS, CONTROLS, ETC., TO MAKE A COMPLETE SYSTEM. ALL EQUIPMENT OR ACCESSORIES NEEDED AND NOT SHOWN OR SPECIFIED SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. ADJUST THE EQUIPMENT FOR PROPER OPERATION, CHECK ALL CONTROLS AND VERIFY THAT ALL SAFETY DEVICES ARE FUNCTIONING PROPERLY.
10. PROVIDE ACCESS DOORS WHERE ACCESS THROUGH FLOORS, WALLS OR CEILINGS IS REQUIRED TO ACCESS MECHANICAL COMPONENTS OR OTHER SYSTEMS REQUIRING ACCESS FOR MAINTENANCE, TESTING OR OBSERVATION. COORDINATE THE EXACT TYPE AND LOCATION OF ACCESS DOORS TO PROVIDE PROPER ACCESS TO THE ITEM CONCEALED.
11. CHECK ALL SYSTEMS FOR LEAKS AND EXCESSIVE NOISE. CORRECT ANY DEFICIENCIES AS SOON AS DISCOVERED. OPERATE THE SYSTEMS AS A TEST AND DEMONSTRATE TO THE OWNER THAT THE SYSTEM IS FUNCTIONING PROPERLY.
12. INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS, OR CONNECTED EQUIPMENT.
13. MECHANICAL EQUIPMENT AND PIPING SHALL NOT BE WITHIN ELECTRICAL OR LOW VOLTAGE EQUIPMENT DEDICATED SPACE. NO PIPING WILL BE ALLOWED ABOVE EQUIPMENT'S DEDICATED SPACE.
14. ALL EXPOSED DUCTWORK OUTDOORS SHALL BE PREPARED WITH A PRIME COAT AND THEN PAINTED, COLOR BY ARCHITECT.
15. NEW BUILDINGS 10,000 SQUARE FEET AND ABOVE TO BE COMMISSIONED PER REQUIREMENTS LISTED IN CALGREEN SECTION 5.410.2.
16. ADHESIVES, SEALANTS AND CAULKS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS LISTED IN CALGREEN SECTION 5.504.4.1.
17. MINIMUM MERV-8 FILTERS TO BE USED FOR ANY PERMANENT HVAC SYSTEM IN OPERATION DURING CONSTRUCTION. REPLACE ALL FILTERS WITH MINIMUM MERV-13 PRIOR TO OCCUPANCY OR AT THE CONCLUSION OF CONSTRUCTION PER CALGREEN SECTION 5.504.1.
18. DURING CONSTRUCTION, ALL HVAC EQUIPMENT, DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENTS SHALL BE COVERED WITH TAPE, PLASTIC, OR SHEET METAL TO REDUCE THE AMOUNT OF DUST, WATER AND DEBRIS WHICH MAY ENTER THE SYSTEM PER CALGREEN SECTION 5.504.3.
19. ALL MECHANICAL VENTILATION SYSTEMS SHALL HAVE FILTRATION MEDIA FOR OUTSIDE AIR AND RETURN AIR WHICH PROVIDES MINIMUM MERV-13 FILTRATION. FILTRATION MEDIA SHALL BE REPLACED PRIOR TO OCCUPANCY AND SHALL BE CLEARLY LABELED WITH MERV RATING PER CALGREEN SECTION 5.504.5.3.
20. ALL REFRIGERANTS USED OR PROVIDED ON THIS PROJECT SHALL MEET THE OZONE DEPLETION AND GREENHOUSE GAS REDUCTION REQUIREMENTS PER CALGREEN SECTION 5.508.1.

EQUIPMENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.20 & 1617A.1.23 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING AND DUCTWORK DISTRIBUTION SYSTEM BRACING NOTES

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP	MD	PP	E	
☒	☒	☐	☐	OPTION 1: PROJECT-SPECIFIC DESIGN.
☐	☐	☐	☐	OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL
☐	☐	☐	☐	OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL

MECHANICAL LEGEND

SYMBOL	ITEM	ABBR.
	SUPPLY AIR	SA
	RETURN AIR	RA
	EXHAUST AIR	EA
	OUTSIDE AIR	OSA
	TRANSFER AIR	TA
1 / M-2	DETAIL DESIGNATION / DETAIL NUMBER / SHEET NO. WHERE SHOWN	
AC / 1	EQUIPMENT DESIGNATION / UNIT ABBREVIATION / NUMBER	
A 10x10 120 (CRD / FD)	GRILLE DESIGNATION / NECK SIZE / CFM / FIRE DAMPER WHERE REQ'D	
	ACOUSTIC LINED DUCT	L
	TURNING VANES	TV
	DUCT FLEXIBLE CONNECTION	
	DUCT RISER	
	DUCT DROP	
	RECTANGULAR TO ROUND FITTING	
	VOLUME CONTROL DAMPER	VD
FD	FIRE DAMPER W/ ACCESS	FD
FSD	FIRE SMOKE DAMPER W/ ACCESS	FSD
CRD	CEILING RADIATION DAMPER	CRD
	OPPOSED BLADE DAMPER	OBD
	BACKDRAFT DAMPER	BDD
	DUCT FLEX CONNECTOR	FC
M	MOTORIZED DAMPER	
T	THERMOSTAT @ +48" AFF (MAX.) (TOP OF BOX)	T-STAT
S	SENSOR @ +48" AFF	
SP	STATIC PRESSURE SENSOR @ +48" AFF	
CO	CARBON MONOXIDE SENSOR @ +48" AFF	
CO2	CARBON DIOXIDE SENSOR @ +48" AFF	
TC	TIMECLOCK @ +48" AFF	
TCP	TEMPERATURE CONTROL PANEL	TCP
SD	DUCT SMOKE DETECTOR	SD
	PIPE RISER / DROP	(R) / (D)
	FROM ABOVE	(FA)
	FROM BELOW	(FB)
	TO ABOVE	(TA)
	TO BELOW	(TB)
	ABOVE FINISHED FLOOR	AFF
	UNLESS OTHERWISE NOTED	UON
	TYPICAL	(TYP)
	BOTTOM OF DUCT	BOD
	UNDERCUT DOOR 3/4"	UCD
	NEW	(N)
	EXISTING	(E)
	POINT OF DIS/CONNECTION	POD/POC
	REFRIGERANT LIQUID	RL
	REFRIGERANT SUCTION	RS
	DEMOLISHED/DEMO	

DEMAND CONTROL VENTILATION OSA SCHEDULE

PHP UNIT	MIN OSA CFM	MAX OSA CFM
PHP-A1	185	200
PHP-A2	205	205
PHP-A3	85	275
PHP-B1	135	335
PHP-B2	140	345
PHP-B3	140	345
PHP-B4	140	345
PHP-B5	135	310
PHP-B7	135	335
PHP-B8	140	345
PHP-B9	140	345
PHP-B10	140	345
PHP-B11	135	310
PHP-B12	90	230

* OSA TO BE PER 2022 BUILDING ENERGY EFFICIENCY STANDARDS TITLE 24, PART 6, SECTION 120.1, REQUIREMENTS.

* DEMAND VENTILATION CONTROLS SHALL MAINTAIN CO2 CONCENTRATIONS LESS THAN OR EQUAL TO 600 PPM PLUS THE OUTDOOR AIR CO2 CONCENTRATION IN ALL ROOMS WITH CO2 SENSORS.

EXHAUST FAN SCHEDULE

TYPE	MARK	FAN TYPE	MOUNTING	ELECTRICAL VOLTAGE	ELECTRICAL PHASE	FAN FLA	FAN MCA	FAN MOP	FAN HP	FAN DRIVE	FAN RPM	FAN CFM	FAN E.S.P. (IN. WC.)	FAN SONES	CONTROL	OPERATING WEIGHT	MANUFACTURER	MODEL	NOTES
CEF	A1	CENTRIFUGAL	CEILING	115	1	0.19	0	0	0.02 hp	DIRECT	950	100	0.2	0.5	INTERLOCK W/ LIGHTS	25 lb	GREENHECK	SP-A110	PROVIDE BACKDRAFT DAMPER. PROVIDE MOUNTING KIT. PROVIDE FACTORY PREWIRED DISCONNECT SWITCH. PROVIDE WITH SPEED CONTROLLER.
CEF	A2	CENTRIFUGAL	CEILING	115	1	0.19	0	0	0.02 hp	DIRECT	950	100	0.2	0.5	INTERLOCK W/ LIGHTS	25 lb	GREENHECK	SP-A110	PROVIDE BACKDRAFT DAMPER. PROVIDE MOUNTING KIT. PROVIDE FACTORY PREWIRED DISCONNECT SWITCH. PROVIDE WITH SPEED CONTROLLER.
CEF	A3	CENTRIFUGAL	CEILING	115	1	0.19	0	0	0.02 hp	DIRECT	950	100	0.2	0.5	INTERLOCK W/ LIGHTS	25 lb	GREENHECK	SP-A110	PROVIDE BACKDRAFT DAMPER. PROVIDE MOUNTING KIT. PROVIDE FACTORY PREWIRED DISCONNECT SWITCH. PROVIDE WITH SPEED CONTROLLER.
CEF	A4	CENTRIFUGAL	CEILING	115	1	0.19	0	0	0.02 hp	DIRECT	950	100	0.2	0.5	INTERLOCK W/ LIGHTS	25 lb	GREENHECK	SP-A110	PROVIDE BACKDRAFT DAMPER. PROVIDE MOUNTING KIT. PROVIDE FACTORY PREWIRED DISCONNECT SWITCH. PROVIDE WITH SPEED CONTROLLER.
CEF	A5	CENTRIFUGAL	CEILING	115	1	0.19	0	0	0.02 hp	DIRECT	950	100	0.2	0.5	INTERLOCK W/ LIGHTS	25 lb	GREENHECK	SP-A110	PROVIDE BACKDRAFT DAMPER. PROVIDE MOUNTING KIT. PROVIDE FACTORY PREWIRED DISCONNECT SWITCH. PROVIDE WITH SPEED CONTROLLER.
CEF	B1	CENTRIFUGAL	CEILING	115	1	0.19	0	0	0.02 hp	DIRECT	950	100	0.2	0.5	INTERLOCK W/ LIGHTS	25 lb	GREENHECK	SP-A110	PROVIDE BACKDRAFT DAMPER. PROVIDE MOUNTING KIT. PROVIDE FACTORY PREWIRED DISCONNECT SWITCH. PROVIDE WITH SPEED CONTROLLER.
CEF	B2	CENTRIFUGAL	CEILING	115	1	0.19	0	0	0.02 hp	DIRECT	950	100	0.2	0.5	INTERLOCK W/ LIGHTS	25 lb	GREENHECK	SP-A110	PROVIDE BACKDRAFT DAMPER. PROVIDE MOUNTING KIT. PROVIDE FACTORY PREWIRED DISCONNECT SWITCH. PROVIDE WITH SPEED CONTROLLER.
CEF	B3	CENTRIFUGAL	CEILING	115	1	0.19	0	0	0.02 hp	DIRECT	950	100	0.2	0.5	INTERLOCK W/ LIGHTS	25 lb	GREENHECK	SP-A110	PROVIDE BACKDRAFT DAMPER. PROVIDE MOUNTING KIT. PROVIDE FACTORY PREWIRED DISCONNECT SWITCH. PROVIDE WITH SPEED CONTROLLER.
CEF	B4	CENTRIFUGAL	CEILING	115	1	0.19	0	0	0.02 hp	DIRECT	950	100	0.2	0.5	INTERLOCK W/ LIGHTS	25 lb	GREENHECK	SP-A110	PROVIDE BACKDRAFT DAMPER. PROVIDE MOUNTING KIT. PROVIDE FACTORY PREWIRED DISCONNECT SWITCH. PROVIDE WITH SPEED CONTROLLER.
REF	A1	CENTRIFUGAL	ROOF	115	1	1.30	2	15	0.07 hp	DIRECT	1,157	150	0.2	2.0	EMS CONTROL	50 lb	GREENHECK	G-070-VG	PROVIDE BACKDRAFT DAMPER, FACTORY ROOF CURB, FACTORY PREWIRED DISCONNECT SWITCH.
REF	B1	CENTRIFUGAL	ROOF	115	1	2.20	3	15	0.16 hp	DIRECT	1,690	850	0.4	10	EMS CONTROL	75 lb	GREENHECK	G-095-VG	PROVIDE BACKDRAFT DAMPER, FACTORY ROOF CURB, FACTORY PREWIRED DISCONNECT SWITCH.

INDOOR UNIT SCHEDULE

TYPE	MARK	MOUNTING TYPE	ELECTRICAL VOLTAGE	ELECTRICAL PHASE	DRIVE	CFM	OSA CFM	COOLING CAPACITY	HEATING CAPACITY	SERVICE	OPERATING WEIGHT	MANUFACTURER	MODEL	NOTES
IDU	A1	WALL	208	1	DIRECT	500	N/A	26,400 Btu/h	0 Btu/h	SEE PLANS	30	DAIKIN	FTXF24BVJU9	INDOOR UNIT POWERED BY OUTDOOR UNIT. PROVIDE LITTLE GIANT #VCMA-20UL CONDENSATE PUMP, 1/30 HP 115v/1a, 1.5 AMPS 93 WATTS. PROVIDE WIRED REMOTE CONTROLLER. INDOOR UNIT POWERED FROM OUTDOOR UNIT. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH.
IDU	A2	WALL	208	1	DIRECT	500	N/A	26,400 Btu/h	0 Btu/h	SEE PLANS	30	DAIKIN	FTXF24BVJU9	INDOOR UNIT POWERED BY OUTDOOR UNIT. PROVIDE LITTLE GIANT #VCMA-20UL CONDENSATE PUMP, 1/30 HP 115v/1a, 1.5 AMPS 93 WATTS. PROVIDE WIRED REMOTE CONTROLLER. INDOOR UNIT POWERED FROM OUTDOOR UNIT. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH.
IDU	B1	WALL	208	1	DIRECT	500	N/A	26,400 Btu/h	0 Btu/h	SEE PLANS	30	DAIKIN	FTXF24BVJU9	INDOOR UNIT POWERED BY OUTDOOR UNIT. PROVIDE LITTLE GIANT #VCMA-20UL CONDENSATE PUMP, 1/30 HP 115v/1a, 1.5 AMPS 93 WATTS. PROVIDE WIRED REMOTE CONTROLLER. INDOOR UNIT POWERED FROM OUTDOOR UNIT. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH.
IDU	B2	WALL	208	1	DIRECT	500	N/A	26,400 Btu/h	0 Btu/h	SEE PLANS	30	DAIKIN	FTXF24BVJU9	INDOOR UNIT POWERED BY OUTDOOR UNIT. PROVIDE LITTLE GIANT #VCMA-20UL CONDENSATE PUMP, 1/30 HP 115v/1a, 1.5 AMPS 93 WATTS. PROVIDE WIRED REMOTE CONTROLLER. INDOOR UNIT POWERED FROM OUTDOOR UNIT. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH.

OUTDOOR UNIT SCHEDULE

TYPE	MARK	ODU TYPE	MOUNTING	ELECTRICAL VOLTAGE	ELECTRICAL PHASE	ELECTRICAL MCA	ELECTRICAL MOCP	SEER/ EER	HPSF	COOLING CAPACITY	HEATING CAPACITY	SERVICE	OPERATING WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES
ODU	A1	HEAT PUMP	ROOF	208	1	22	25	21 / 12	-	26,400 Btu/h	0 Btu/h	SEE PLAN	150	DAIKIN	RXF24BVJU9	ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH. MAXIMUM PIPING LENGTH: 95 FT. CONTRACTOR TO LOCKOUT HEATING MODE.
ODU	A2	HEAT PUMP	ROOF	208	1	22	25	21 / 12	-	26,400 Btu/h	0 Btu/h	SEE PLAN	150	DAIKIN	RXF24BVJU9	ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH. MAXIMUM PIPING LENGTH: 95 FT. CONTRACTOR TO L

VRF FAN COIL UNIT SCHEDULE

TYPE	MARK	FAN TYPE	NOMINAL TONS	DUCT CONFIG.	ELECTRICAL				SUPPLY FAN			COOLING (R32)				HEATING		FILTER TYPE	OPERATING WEIGHT	MANUFACTURER	MODEL	NOTES
					VOLTAGE	PHASE	MCA	MOCP	DRIVE/ SPEEDS	CFM	OUTSIDE AIR (CFM)	TYPE	TOTAL COOLING CAPACITY	SENSIBLE COOLING CAPACITY	E.A. DB/WB (°F)	TYPE	CAPACITY AT 47°F (BTU/H)					
FC	A1	SUSPENDED	4	HORIZONTAL	208	1	3.60	15	DIRECT / 3	920	200	DX	38,839 Btu/h	36,308 Btu/h	80 / 67	DX	56,079	MERV 13	125	DAIKIN	FXMA48AAVJU	INDOOR UNIT POWERED SEPARATELY FROM OUTDOOR UNIT. PROVIDE MERV 13 FILTER BOX WITH FILTER. PROVIDE SECONDARY CONDENSATE OVERFLOW SWITCH, COORDINATE WITH EMS. PROVIDE LITTLE GIANT #VCMA20UL CONDENSATE PUMP, 1/30 HP, 115v/1e, 1.5 AMPS, 93 WATTS.
FC	A2	SUSPENDED	3	HORIZONTAL	208	1	3.10	15	DIRECT / 3	800	285	DX	29,133 Btu/h	27,058 Btu/h	80 / 67	DX	41,441	MERV 13	125	DAIKIN	FXMA36AAVJU	INDOOR UNIT POWERED SEPARATELY FROM OUTDOOR UNIT. PROVIDE MERV 13 FILTER BOX WITH FILTER. PROVIDE SECONDARY CONDENSATE OVERFLOW SWITCH, COORDINATE WITH EMS. PROVIDE LITTLE GIANT #VCMA20UL CONDENSATE PUMP, 1/30 HP, 115v/1e, 1.5 AMPS, 93 WATTS.
FC	A3	SUSPENDED	2	HORIZONTAL	208	1	1.90	15	DIRECT / 3	570	125	DX	19,285 Btu/h	17,668 Btu/h	80 / 67	DX	27,932	MERV 13	100	DAIKIN	FXMA24AAVJU	INDOOR UNIT POWERED SEPARATELY FROM OUTDOOR UNIT. PROVIDE MERV 13 FILTER BOX WITH FILTER. PROVIDE SECONDARY CONDENSATE OVERFLOW SWITCH, COORDINATE WITH EMS. PROVIDE LITTLE GIANT #VCMA20UL CONDENSATE PUMP, 1/30 HP, 115v/1e, 1.5 AMPS, 93 WATTS.
FC	A4	CEILING CASSETTE	0.75	CASSETTE	208	1	0.30	15	DIRECT / 3	355	35	DX	7,712 Btu/h	7,242 Btu/h	80 / 67	DX	10,919	MERV 13	75	DAIKIN	FXFA09AAVJU	INDOOR UNIT POWERED SEPARATELY FROM OUTDOOR UNIT. PROVIDE MERV 13 FILTER BOX WITH FILTER. PROVIDE SECONDARY CONDENSATE OVERFLOW SWITCH, COORDINATE WITH EMS. PROVIDE LITTLE GIANT #VCMA20UL CONDENSATE PUMP, 1/30 HP, 115v/1e, 1.5 AMPS, 93 WATTS.
FC	A5	CEILING CASSETTE	0.75	CASSETTE	208	1	0.30	15	DIRECT / 3	355	25	DX	7,712 Btu/h	7,242 Btu/h	80 / 67	DX	10,919	MERV 13	75	DAIKIN	FXFA09AAVJU	INDOOR UNIT POWERED SEPARATELY FROM OUTDOOR UNIT. PROVIDE MERV 13 FILTER BOX WITH FILTER. PROVIDE SECONDARY CONDENSATE OVERFLOW SWITCH, COORDINATE WITH EMS. PROVIDE LITTLE GIANT #VCMA20UL CONDENSATE PUMP, 1/30 HP, 115v/1e, 1.5 AMPS, 93 WATTS.
FC	A6	CEILING CASSETTE	0.75	CASSETTE	208	1	0.30	15	DIRECT / 3	355	25	DX	7,712 Btu/h	7,242 Btu/h	80 / 67	DX	10,919	MERV 13	75	DAIKIN	FXFA09AAVJU	INDOOR UNIT POWERED SEPARATELY FROM OUTDOOR UNIT. PROVIDE MERV 13 FILTER BOX WITH FILTER. PROVIDE SECONDARY CONDENSATE OVERFLOW SWITCH, COORDINATE WITH EMS. PROVIDE LITTLE GIANT #VCMA20UL CONDENSATE PUMP, 1/30 HP, 115v/1e, 1.5 AMPS, 93 WATTS.
FC	A7	CEILING CASSETTE	0.6	CASSETTE	208	1	0.30	15	DIRECT / 3	355	20	DX	6,211 Btu/h	6,122 Btu/h	80 / 67	DX	8,872	MERV 13	75	DAIKIN	FXFA07AAVJU	INDOOR UNIT POWERED SEPARATELY FROM OUTDOOR UNIT. PROVIDE MERV 13 FILTER BOX WITH FILTER. PROVIDE SECONDARY CONDENSATE OVERFLOW SWITCH, COORDINATE WITH EMS. PROVIDE LITTLE GIANT #VCMA20UL CONDENSATE PUMP, 1/30 HP, 115v/1e, 1.5 AMPS, 93 WATTS.
FC	A8	SUSPENDED	1	HORIZONTAL	208	1	0.90	15	DIRECT / 3	250	70	DX	9,589 Btu/h	9,589 Btu/h	80 / 67	DX	14,096	MERV 13	75	DAIKIN	FXSA12AAVJU	INDOOR UNIT POWERED SEPARATELY FROM OUTDOOR UNIT. PROVIDE MERV 13 FILTER BOX WITH FILTER. PROVIDE SECONDARY CONDENSATE OVERFLOW SWITCH, COORDINATE WITH EMS. PROVIDE LITTLE GIANT #VCMA20UL CONDENSATE PUMP, 1/30 HP, 115v/1e, 1.5 AMPS, 93 WATTS.
FC	A9	CEILING CASSETTE	0.6	CASSETTE	208	1	0.30	15	DIRECT / 3	355	15	DX	6,211 Btu/h	6,122 Btu/h	80 / 67	DX	8,872	MERV 13	75	DAIKIN	FXFA07AAVJU	INDOOR UNIT POWERED SEPARATELY FROM OUTDOOR UNIT. PROVIDE MERV 13 FILTER BOX WITH FILTER. PROVIDE SECONDARY CONDENSATE OVERFLOW SWITCH, COORDINATE WITH EMS. PROVIDE LITTLE GIANT #VCMA20UL CONDENSATE PUMP, 1/30 HP, 115v/1e, 1.5 AMPS, 93 WATTS.
FC	A10	CEILING CASSETTE	0.6	CASSETTE	208	1	0.30	15	DIRECT / 3	355	15	DX	6,211 Btu/h	6,122 Btu/h	80 / 67	DX	8,872	MERV 13	75	DAIKIN	FXFA07AAVJU	INDOOR UNIT POWERED SEPARATELY FROM OUTDOOR UNIT. PROVIDE MERV 13 FILTER BOX WITH FILTER. PROVIDE SECONDARY CONDENSATE OVERFLOW SWITCH, COORDINATE WITH EMS. PROVIDE LITTLE GIANT #VCMA20UL CONDENSATE PUMP, 1/30 HP, 115v/1e, 1.5 AMPS, 93 WATTS.
FC	A11	SUSPENDED	1	HORIZONTAL	208	1	0.90	15	DIRECT / 3	250	55	DX	9,589 Btu/h	9,589 Btu/h	80 / 67	DX	14,096	MERV 13	75	DAIKIN	FXSA12AAVJU	INDOOR UNIT POWERED SEPARATELY FROM OUTDOOR UNIT. PROVIDE MERV 13 FILTER BOX WITH FILTER. PROVIDE SECONDARY CONDENSATE OVERFLOW SWITCH, COORDINATE WITH EMS. PROVIDE LITTLE GIANT #VCMA20UL CONDENSATE PUMP, 1/30 HP, 115v/1e, 1.5 AMPS, 93 WATTS.
FC	A12	CEILING CASSETTE	0.75	CASSETTE	208	1	0.30	15	DIRECT / 3	355	15	DX	7,712 Btu/h	7,242 Btu/h	80 / 67	DX	10,919	MERV 13	75	DAIKIN	FXFA09AAVJU	INDOOR UNIT POWERED SEPARATELY FROM OUTDOOR UNIT. PROVIDE MERV 13 FILTER BOX WITH FILTER. PROVIDE SECONDARY CONDENSATE OVERFLOW SWITCH, COORDINATE WITH EMS. PROVIDE LITTLE GIANT #VCMA20UL CONDENSATE PUMP, 1/30 HP, 115v/1e, 1.5 AMPS, 93 WATTS.
FC	A13	SUSPENDED	1.5	HORIZONTAL	208	1	1.90	15	DIRECT / 3	520	30	DX	14,489 Btu/h	14,489 Btu/h	80 / 67	DX	20,840	MERV 13	100	DAIKIN	FXMA18AAVJU	INDOOR UNIT POWERED SEPARATELY FROM OUTDOOR UNIT. PROVIDE MERV 13 FILTER BOX WITH FILTER. PROVIDE SECONDARY CONDENSATE OVERFLOW SWITCH, COORDINATE WITH EMS. PROVIDE LITTLE GIANT #VCMA20UL CONDENSATE PUMP, 1/30 HP, 115v/1e, 1.5 AMPS, 93 WATTS.
FC	A14	CEILING CASSETTE	1	CASSETTE	208	1	0.30	15	DIRECT / 3	355	20	DX	9,589 Btu/h	9,589 Btu/h	80 / 67	DX	13,990	MERV 13	75	DAIKIN	FXFA12AAVJU	INDOOR UNIT POWERED SEPARATELY FROM OUTDOOR UNIT. PROVIDE MERV 13 FILTER BOX WITH FILTER. PROVIDE SECONDARY CONDENSATE OVERFLOW SWITCH, COORDINATE WITH EMS. PROVIDE LITTLE GIANT #VCMA20UL CONDENSATE PUMP, 1/30 HP, 115v/1e, 1.5 AMPS, 93 WATTS.
FC	A15	SUSPENDED	2.5	HORIZONTAL	208	1	3.00	15	DIRECT / 3	800	150	DX	24,237 Btu/h	23,884 Btu/h	80 / 67	DX	35,255	MERV 13	125	DAIKIN	FXMA30AAVJU	INDOOR UNIT POWERED SEPARATELY FROM OUTDOOR UNIT. PROVIDE MERV 13 FILTER BOX WITH FILTER. PROVIDE SECONDARY CONDENSATE OVERFLOW SWITCH, COORDINATE WITH EMS. PROVIDE LITTLE GIANT #VCMA20UL CONDENSATE PUMP, 1/30 HP, 115v/1e, 1.5 AMPS, 93 WATTS.
FC	A16	CEILING CASSETTE	0.6	CASSETTE	208	1	0.30	15	DIRECT / 3	355	15	DX	6,211 Btu/h	6,122 Btu/h	80 / 67	DX	8,872	MERV 13	75	DAIKIN	FXFA07AAVJU	INDOOR UNIT POWERED SEPARATELY FROM OUTDOOR UNIT. PROVIDE MERV 13 FILTER BOX WITH FILTER. PROVIDE SECONDARY CONDENSATE OVERFLOW SWITCH, COORDINATE WITH EMS. PROVIDE LITTLE GIANT #VCMA20UL CONDENSATE PUMP, 1/30 HP, 115v/1e, 1.5 AMPS, 93 WATTS.
FC	A17	CEILING CASSETTE	0.6	CASSETTE	208	1	0.30	15	DIRECT / 3	355	15	DX	6,211 Btu/h	6,122 Btu/h	80 / 67	DX	8,872	MERV 13	75	DAIKIN	FXFA07AAVJU	INDOOR UNIT POWERED SEPARATELY FROM OUTDOOR UNIT. PROVIDE MERV 13 FILTER BOX WITH FILTER. PROVIDE SECONDARY CONDENSATE OVERFLOW SWITCH, COORDINATE WITH EMS. PROVIDE LITTLE GIANT #VCMA20UL CONDENSATE PUMP, 1/30 HP, 115v/1e, 1.5 AMPS, 93 WATTS.
FC	A18	CEILING CASSETTE	0.6	CASSETTE	208	1	0.30	15	DIRECT / 3	355	15	DX	6,211 Btu/h	6,122 Btu/h	80 / 67	DX	8,872	MERV 13	75	DAIKIN	FXFA07AAVJU	INDOOR UNIT POWERED SEPARATELY FROM OUTDOOR UNIT. PROVIDE MERV 13 FILTER BOX WITH FILTER. PROVIDE SECONDARY CONDENSATE OVERFLOW SWITCH, COORDINATE WITH EMS. PROVIDE LITTLE GIANT #VCMA20UL CONDENSATE PUMP, 1/30 HP, 115v/1e, 1.5 AMPS, 93 WATTS.

VRF MODE CHANGEOVER UNIT SCHEDULE

TYPE	MARK	MOUNTING	NUMBER OF PORTS	ELECTRICAL			OPERATING WEIGHT	MANUFACTURER	MODEL	NOTES
				VOLTAGE	PHASE	MCA				
MCU	A1	SUSPENDED	6	208	1	2	125 lb	DAIKIN	BSF6A54AAVJ	RELATED EXHAUST FAN SHOULD BE INTERLOCKED WITH THE REFRIGERANT DETECTION SYSTEM.
MCU	A2	SUSPENDED	6	208	1	2	125 lb	DAIKIN	BSF6A54AAVJ	RELATED EXHAUST FAN SHOULD BE INTERLOCKED WITH THE REFRIGERANT DETECTION SYSTEM.
MCU	A3	SUSPENDED	6	208	1	2	125 lb	DAIKIN	BSF6A54AAVJ	RELATED EXHAUST FAN SHOULD BE INTERLOCKED WITH THE REFRIGERANT DETECTION SYSTEM.

VRF HEAT RECOVERY SCHEDULE

TYPE	MARK	ELECTRICAL				IEER / EER	COP	COOLING CAPACITY	HEATING CAPACITY	SUMMER AMBIENT DB/WB TEMP. (°F)	WINTER AMBIENT DB TEMP. (°F)	REFRIGERANT TYPE	REFRIG. LINE SIZE (LIQ/SUC)	SERVICE	OPERATING WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES
		VOLTAGE	PHASE	MCA	MOCP													
HR	A1	460	3	33	40	18.7 / 11	3.35	188,772 Btu/h	185,247 Btu/h	80 / 67	30	R-32 (SAFETY GROUP AL2)	1/2 / 1-1/8	SEE PLAN	1000	DAIKIN	REYA216AAYDA	MAINTAIN MANUFACTURER'S REQUIRED SERVICE CLEARANCES. PROVIDE FACTORY CONDENSER COIL GUARDS. SEE PIPING DIAGRAMS FOR COMPLETE SYSTEMS. PROVIDE BACNET INTERFACE. EXTEND AND CONNECT TO EXISTING PELICAN CAMPUS EMS SYSTEM. PROVIDE ALL NECESSARY PROGRAMMING, WIRING, CONTROLLERS, ETC. FOR A COMPLETE AND OPERATIONAL SYSTEM. CONTRACTOR SHALL SUBMIT PIPING AND WIRING DIAGRAMS BASED ON ACTUAL EQUIPMENT LOCATIONS AND ROUTING.

ENERGY RECOVERY VENTILATOR SCHEDULE

TYPE	MARK	ELECTRICAL				HP (OA FAN / EA FAN)	BHP (OA FAN / EA FAN)	OUTDOOR AIR WHEEL EFF.	OSA CFM	OSA ESP (IN. WC)	EA CFM	EA ESP (IN. WC)	FILTER TYPE	FILTER SIZE	OPERATING WEIGHT	MANUFACTURER	MODEL	NOTES
		VOLTAGE	PHASE	MCA	MOCP													
ERV	A1	460	3	5	15	0.7 / 0.73	1 / 1	80.8	1,200	0.8	1,200	0.8	MERV 13	2x20x20	1000	GREENHECK	ERVe-20-15L	PROVIDE WITH VFD ON EXHAUST AND SUPPLY FANS. PROVIDE WITH MODULATING ENERGY RECOVERY WHEEL WITH FROST CONTROL, PROVIDE FACTORY ROOF CURB, HINGED ACCESS PANELS, DOUBLE WALL CONSTRUCTION, SINGLE POINT POWER CONNECTION, SUPPLY AND EXHAUST WEATHER HOODS, BACNET INTERFACE, AND LOW LEAKAGE DAMPERS.

UNIT HEATER SCHEDULE

TYPE	MARK	ELECTRICAL			DRIVE	AIR FLOW (CFM)	FUEL TYPE	SERVICE	OPERATING WEIGHT	MANUFACTURER	MODEL	NOTES
		VOLTAGE	PHASE	INPUT (KW)								
UH	A1	460	3	5	DIRECT	340	ELECTRIC	FIRE PUMP ROOM	30 lb	REZNOR	EUHC-5	PROVIDE FACTORY 24V CONTROL VOLTAGE. PROVIDE24V SINGLE STAGE WALL THERMOSTAT SET TO 40°F. PROVIDE FACTORY WALL BRACKET FOR HORIZONTAL DISCHARGE.
UH	B1	460	3	5	DIRECT	340	ELECTRIC	FIRE PUMP ROOM	30 lb	REZNOR	EUHC-5	PROVIDE FACTORY 24V CONTROL VOLTAGE. PROVIDE24V SINGLE STAGE WALL THERMOSTAT SET TO 40°F. PROVIDE FACTORY WALL BRACKET FOR HORIZONTAL DISCHARGE.

FAN COIL UNIT SCHEDULE

TYPE	MARK	FAN TYPE	NOMINAL TONS	DUCT CONFIG.	ELECTRICAL				SUPPLY FAN			COOLING (R32)				HEATING		FILTER TYPE	OPERATING WEIGHT	MANUFACTURER	MODEL	NOTES
					VOLTAGE	PHASE	MCA	MOCP	DRIVE/ SPEEDS	CFM	OUTSIDE AIR (CFM)	TYPE	TOTAL COOLING CAPACITY	SENSIBLE COOLING CAPACITY	E.A. DB/WB (°F)	TYPE	CAPACITY AT 47°F (BTU/H)					
FC	B1	SUSPEND ED	1	HORIZONTAL	208	1	0.90	15	DIRECT / 3	340	95	DX	9,589 Btu/h	9,589 Btu/h	80 / 67	DX	14,096	MERV 13	75	DAIKIN	FXSA12AAVJU	INDOOR UNIT POWERED SEPARATELY FROM OUTDOOR UNIT. PROVIDE MERV 13 FILTER BOX WITH FILTER. PROVIDE SECONDARY CONDENSATE OVERFLOW SWITCH, COORDINATE WITH EMS. PROVIDE LITTLE GIANT #VCMA20UL CONDENSATE PUMP, 1/30 HP, 115v/1e, 1.5 AMPS, 93 WATTS.

SPLIT HEAT PUMP SCHEDULE

TYPE	MARK	ELECTRICAL				SEER / EER	HSPF	COOLING CAPACITY	HEATING CAPACITY	SUMMER AMBIENT DB/WB TEMP. (°F)	WINTER AMBIENT DB TEMP. (°F)	REFRIGERANT TYPE	REFRIG. LINE SIZE (LIQ/SUC)	SERVICE	OPERATING WEIGHT	MANUFACTURER	MODEL	NOTES
		VOLTAGE	PHASE	MCA	MOCP													
HP	B1	208	1	20	20	16 / 11.8	8.2	9,589 Btu/h	14,096 Btu/h	80 / 67	47	R-32	3/8 / 5/8	SEE PLAN	250	DAIKIN	RXTA24AAVJU	ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH. MAXIMUM PIPING LENGTH: 980 FT.

INTAKE HOOD SCHEDULE

TYPE	MARK	HOOD TYPE	MOUNTING	CFM	THROAT AREA (SQ. FT.)	THROAT SIZE (IN.)	PRESSURE DROP (IN. WC.)	THROAT VELOCITY (FPM)	OPERATING WEIGHT	MANUFACTURER	MODEL	NOTES
IH	B1	OUTSIDE AIR	ROOF	95	0.44	8 x 8	0.011	214	75 lb	GREENHECK	FGI	PROVIDE FACTORY ROOF CURB. PROVIDE WITH RUSKIN #CBD2. COUNTERBALANCED BACKDRAFT DAMPER TO BE LOCATED IN THE HOOD DAMPER TRAY. PROVIDE INSECT SCREEN.

DSA STAMP

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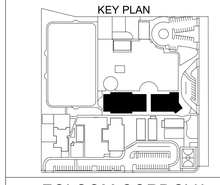
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

MECHANICAL SCHEDULES

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2M0.2
Drawn / Author	Checked / Checker

PRINT DATE: 7/10/2026 9:12:27 AM
FILE PATH: Autodesk Docs://25-2132 FCUSD Cordova Villa ES/25-2132 FCUSD Cordova ES MP+FP_23.rvt

PACKAGE HEAT PUMP SCHEDULE - PHP-A1 - PHP-B2

TYPE	MARK	NOMINAL TONS	DUCT CONFIG.	ELECTRICAL					SUPPLY FAN					COOLING (R-454B)						HEATING						POWER EXHAUST								FILTER TYPE	OPERATING WEIGHT	MANUFACTURER	MODEL	NOTES
				VOLTAGE	PHASE	RLA	MCA	MOCP	DESIGN BHP	DRIVE / SPEEDS	SUPPLY AIR CFM	E.S.P. (IN. W.C.)	MIN.OSA CFM	TYPE	SEER/ EER	TOTAL COOLING CAPACITY	SENSIBLE COOLING CAPACITY	E.A. DB (°F)	E.A. WB (°F)	AMBIENT TEMP. (°F)	TYPE	HPSF / COP	CAPACITY AT 47°F (BTU)	CAPACITY AT 17°F (BTU)	ELEC HEAT (KW)	AMBIENT TEMP (°F)	VOLTAGE	PHASE	RLA	MCA	MOCP	HP	MANUFACTURER	MODEL					
PHP	A1	4	VERTICAL	460	3	16.1	23	25	0.95	VANE AXIAL	1,600	1.0	DCV	DX	17 / 9.42	43,300 Btu/h	32,280 Btu/h	80	67	105	DX	8.2	45,000	25,400 Btu/h	5.5	26	460	3	1	2	3	0.5	CANFAB	1120-MPE	MERV 13	1,500	CARRIER	50GEQM05A3 M6-0A3A0	1.) PROVIDE DIGITAL TOUCH-SCREEN THERMOSTAT/SENSOR WITH LOCKING COVER AND SUB-BASE. PACKAGE HEAT PUMP UNITS SHALL BE PROVIDED WITH CONVENTIONAL THERMOSTAT INTERFACE BY UNIT MANUFACTURER AND TO BE CONTROLLED BY THE ALERTON CONTROLS BMS. MANUFACTURER PROVIDED BACNET MS/TP INTERFACE IS NOT REQUIRED. 2.) COORDINATE REQUIREMENTS WITH POWERED EXHAUST MODULE. PROVIDE TITLE 24 COMPLIANT MICROMETL MODULATING CENTRIFUGAL POWER EXHAUST AND ULTRA LOW LEAK ECONOMIZER. PROVIDE WITH CANFAB REMOVABLE DISCHARGE HOOD ACCESSORY KIT #185773-MI. POWERED EXHAUST TO BE POWERED SEPARATELY FROM ROOFTOP UNIT. 3.) TERMINATE SPACE STATIC PRESSURE TUBING AT CEILING IN A COMMON AREA THAT MOST ACCURATELY REPRESENTS THE AREA SERVED BY THE UNIT. PROVIDE DECORATIVE COVER AT TERMINATION, DWEYER OR EQUAL. DO NOT TERMINATE IN DECORATIVE CEILINGS UNLESS APPROVED IN WRITING BY ARCHITECT. 4.) PROVIDE "BELIMO" DAMPER ACTUATOR FOR INTERFACE WITH DELTA EMS, DCV AND ECONOMIZER FUNCTIONS. 5.) MECHANCAIL CONTRACTOR AND MANUFACTURERS REPRESENTATIVE SHALL COORDINATE AND ADJUST EQUIPMENT SETTINGS TO ENSURE SUPPLY FAN OPERATES AT CONSTANT VOLUME. CONTRACTOR TO BALANCE UNITS UNDER ALL MODES OF OPERATION AT AIRFLOW(S) LISTED. UNITS WITH FACTORY/INTEGRAL CONTROL SEQUENCES WHICH INCLUDE FAN SPEED MODULATION TO BE ADJUSTED IN FIELD TO MAINTAIN CONSTANT VOLUME AIRFLOW. 6.) REFRIGERANT TO BE GROUP A2L SAFETY CLASSIFICATION. REFRIGERATION SYSTEM IS HIGH-PROBABILITY CLASSIFICATION PER CMC CHAPTER 11. UNITS WITH GROUP A2L REFRIGERANT TO BE PROVIDED WITH THE FOLLOWING PER CMC CHAPTER 11: NAMEPLATE AND LABELING DESIGNATING REFRIGERANT FLAMMABILITY. FACTORY REFRIGERANT DETECTION SYSTEM WHICH, UPON DETECTION OF REFRIGERANT EXCEEDING LISTED CONCENTRATION WILL; 1) ACTIVATE SUPPLY FAN, AND 2) TURN OFF COMPRESSOR, HEATING ELEMENTS, AND ANY OTHER ELECTRICAL DEVICES EXCLUDING THE CONTROL POWER TRANSFORMERS, CONTROLS SYSTEMS AND THE SUPPLY FAN. 7.) PROVIDE HINGED ACCESS PANELS AND HINGED FILTER ACCESS DOOR. 8.) PROVIDE CANFAB 11" ISOLATON CURB BASE RAIL WITH 2" DEFLECTION, 24.5" TOTAL CURB HEIGHT. 9.) SEE ELECTRICAL DRAWINGS FOR DISCONNECT SWITCH.
PHP	A2	5	VERTICAL	460	3	24	29	30	1.24	VANE AXIAL	2,000	1.0	DCV	DX	17 / 9.27	54,870 Btu/h	43,550 Btu/h	80	67	105	DX	8.2	54,000	30,000 Btu/h	10.6	26	460	3	2	2	3	0.75	CANFAB	1120-MPE	MERV 13	1,500	CARRIER	50GEQM06A3 M6-0A3A0	1.) PROVIDE DIGITAL TOUCH-SCREEN THERMOSTAT/SENSOR WITH LOCKING COVER AND SUB-BASE. PACKAGE HEAT PUMP UNITS SHALL BE PROVIDED WITH CONVENTIONAL THERMOSTAT INTERFACE BY UNIT MANUFACTURER AND TO BE CONTROLLED BY THE ALERTON CONTROLS BMS. MANUFACTURER PROVIDED BACNET MS/TP INTERFACE IS NOT REQUIRED. 2.) COORDINATE REQUIREMENTS WITH POWERED EXHAUST MODULE. PROVIDE TITLE 24 COMPLIANT MICROMETL MODULATING CENTRIFUGAL POWER EXHAUST AND ULTRA LOW LEAK ECONOMIZER. PROVIDE WITH CANFAB REMOVABLE DISCHARGE HOOD ACCESSORY KIT #185773-MI. POWERED EXHAUST TO BE POWERED SEPARATELY FROM ROOFTOP UNIT. 3.) TERMINATE SPACE STATIC PRESSURE TUBING AT CEILING IN A COMMON AREA THAT MOST ACCURATELY REPRESENTS THE AREA SERVED BY THE UNIT. PROVIDE DECORATIVE COVER AT TERMINATION, DWEYER OR EQUAL. DO NOT TERMINATE IN DECORATIVE CEILINGS UNLESS APPROVED IN WRITING BY ARCHITECT. 4.) PROVIDE "BELIMO" DAMPER ACTUATOR FOR INTERFACE WITH DELTA EMS, DCV AND ECONOMIZER FUNCTIONS. 5.) MECHANCAIL CONTRACTOR AND MANUFACTURERS REPRESENTATIVE SHALL COORDINATE AND ADJUST EQUIPMENT SETTINGS TO ENSURE SUPPLY FAN OPERATES AT CONSTANT VOLUME. CONTRACTOR TO BALANCE UNITS UNDER ALL MODES OF OPERATION AT AIRFLOW(S) LISTED. UNITS WITH FACTORY/INTEGRAL CONTROL SEQUENCES WHICH INCLUDE FAN SPEED MODULATION TO BE ADJUSTED IN FIELD TO MAINTAIN CONSTANT VOLUME AIRFLOW. 6.) REFRIGERANT TO BE GROUP A2L SAFETY CLASSIFICATION. REFRIGERATION SYSTEM IS HIGH-PROBABILITY CLASSIFICATION PER CMC CHAPTER 11. UNITS WITH GROUP A2L REFRIGERANT TO BE PROVIDED WITH THE FOLLOWING PER CMC CHAPTER 11: NAMEPLATE AND LABELING DESIGNATING REFRIGERANT FLAMMABILITY. FACTORY REFRIGERANT DETECTION SYSTEM WHICH, UPON DETECTION OF REFRIGERANT EXCEEDING LISTED CONCENTRATION WILL; 1) ACTIVATE SUPPLY FAN, AND 2) TURN OFF COMPRESSOR, HEATING ELEMENTS, AND ANY OTHER ELECTRICAL DEVICES EXCLUDING THE CONTROL POWER TRANSFORMERS, CONTROLS SYSTEMS AND THE SUPPLY FAN. 7.) PROVIDE HINGED ACCESS PANELS AND HINGED FILTER ACCESS DOOR. 8.) PROVIDE CANFAB 11" ISOLATON CURB BASE RAIL WITH 2" DEFLECTION, 24.5" TOTAL CURB HEIGHT. 9.) SEE ELECTRICAL DRAWINGS FOR DISCONNECT SWITCH.
PHP	A3	3	VERTICAL	460	3	15.2	19	20	0.64	VANE AXIAL	1,200	1.0	DCV	DX	17 / 9.57	32,560 Btu/h	24,440 Btu/h	80	67	105	DX	8.0	33,000	17,200 Btu/h	5.5	26	460	3	1	2	3	0.5	CANFAB	1120-MPE	MERV 13	1,500	CARRIER	50GEQM04A3 M6-0A3A0	1.) PROVIDE DIGITAL TOUCH-SCREEN THERMOSTAT/SENSOR WITH LOCKING COVER AND SUB-BASE. PACKAGE HEAT PUMP UNITS SHALL BE PROVIDED WITH CONVENTIONAL THERMOSTAT INTERFACE BY UNIT MANUFACTURER AND TO BE CONTROLLED BY THE ALERTON CONTROLS BMS. MANUFACTURER PROVIDED BACNET MS/TP INTERFACE IS NOT REQUIRED. 2.) COORDINATE REQUIREMENTS WITH POWERED EXHAUST MODULE. PROVIDE TITLE 24 COMPLIANT MICROMETL MODULATING CENTRIFUGAL POWER EXHAUST AND ULTRA LOW LEAK ECONOMIZER. PROVIDE WITH CANFAB REMOVABLE DISCHARGE HOOD ACCESSORY KIT #185773-MI. POWERED EXHAUST TO BE POWERED SEPARATELY FROM ROOFTOP UNIT. 3.) TERMINATE SPACE STATIC PRESSURE TUBING AT CEILING IN A COMMON AREA THAT MOST ACCURATELY REPRESENTS THE AREA SERVED BY THE UNIT. PROVIDE DECORATIVE COVER AT TERMINATION, DWEYER OR EQUAL. DO NOT TERMINATE IN DECORATIVE CEILINGS UNLESS APPROVED IN WRITING BY ARCHITECT. 4.) PROVIDE "BELIMO" DAMPER ACTUATOR FOR INTERFACE WITH DELTA EMS, DCV AND ECONOMIZER FUNCTIONS. 5.) MECHANCAIL CONTRACTOR AND MANUFACTURERS REPRESENTATIVE SHALL COORDINATE AND ADJUST EQUIPMENT SETTINGS TO ENSURE SUPPLY FAN OPERATES AT CONSTANT VOLUME. CONTRACTOR TO BALANCE UNITS UNDER ALL MODES OF OPERATION AT AIRFLOW(S) LISTED. UNITS WITH FACTORY/INTEGRAL CONTROL SEQUENCES WHICH INCLUDE FAN SPEED MODULATION TO BE ADJUSTED IN FIELD TO MAINTAIN CONSTANT VOLUME AIRFLOW. 6.) REFRIGERANT TO BE GROUP A2L SAFETY CLASSIFICATION. REFRIGERATION SYSTEM IS HIGH-PROBABILITY CLASSIFICATION PER CMC CHAPTER 11. UNITS WITH GROUP A2L REFRIGERANT TO BE PROVIDED WITH THE FOLLOWING PER CMC CHAPTER 11: NAMEPLATE AND LABELING DESIGNATING REFRIGERANT FLAMMABILITY. FACTORY REFRIGERANT DETECTION SYSTEM WHICH, UPON DETECTION OF REFRIGERANT EXCEEDING LISTED CONCENTRATION WILL; 1) ACTIVATE SUPPLY FAN, AND 2) TURN OFF COMPRESSOR, HEATING ELEMENTS, AND ANY OTHER ELECTRICAL DEVICES EXCLUDING THE CONTROL POWER TRANSFORMERS, CONTROLS SYSTEMS AND THE SUPPLY FAN. 7.) PROVIDE HINGED ACCESS PANELS AND HINGED FILTER ACCESS DOOR. 8.) PROVIDE CANFAB 11" ISOLATON CURB BASE RAIL WITH 2" DEFLECTION, 24.5" TOTAL CURB HEIGHT. 9.) SEE ELECTRICAL DRAWINGS FOR DISCONNECT SWITCH.
PHP	B1	4	VERTICAL	460	3	16.1	23	25	0.95	VANE AXIAL	1,600	1.0	DCV	DX	17 / 9.42	43,300 Btu/h	32,280 Btu/h	80	67	105	DX	8.2	45,000	25,400 Btu/h	5.5	26	460	3	1	2	3	0.5	CANFAB	1120-MPE	MERV 13	1,500	CARRIER	50GEQM05A3 M6-0A3A0	1.) PROVIDE DIGITAL TOUCH-SCREEN THERMOSTAT/SENSOR WITH LOCKING COVER AND SUB-BASE. PACKAGE HEAT PUMP UNITS SHALL BE PROVIDED WITH CONVENTIONAL THERMOSTAT INTERFACE BY UNIT MANUFACTURER AND TO BE CONTROLLED BY THE ALERTON CONTROLS BMS. MANUFACTURER PROVIDED BACNET MS/TP INTERFACE IS NOT REQUIRED. 2.) COORDINATE REQUIREMENTS WITH POWERED EXHAUST MODULE. PROVIDE TITLE 24 COMPLIANT MICROMETL MODULATING CENTRIFUGAL POWER EXHAUST AND ULTRA LOW LEAK ECONOMIZER. PROVIDE WITH CANFAB REMOVABLE DISCHARGE HOOD ACCESSORY KIT #185773-MI. POWERED EXHAUST TO BE POWERED SEPARATELY FROM ROOFTOP UNIT. 3.) TERMINATE SPACE STATIC PRESSURE TUBING AT CEILING IN A COMMON AREA THAT MOST ACCURATELY REPRESENTS THE AREA SERVED BY THE UNIT. PROVIDE DECORATIVE COVER AT TERMINATION, DWEYER OR EQUAL. DO NOT TERMINATE IN DECORATIVE CEILINGS UNLESS APPROVED IN WRITING BY ARCHITECT. 4.) PROVIDE "BELIMO" DAMPER ACTUATOR FOR INTERFACE WITH DELTA EMS, DCV AND ECONOMIZER FUNCTIONS. 5.) MECHANCAIL CONTRACTOR AND MANUFACTURERS REPRESENTATIVE SHALL COORDINATE AND ADJUST EQUIPMENT SETTINGS TO ENSURE SUPPLY FAN OPERATES AT CONSTANT VOLUME. CONTRACTOR TO BALANCE UNITS UNDER ALL MODES OF OPERATION AT AIRFLOW(S) LISTED. UNITS WITH FACTORY/INTEGRAL CONTROL SEQUENCES WHICH INCLUDE FAN SPEED MODULATION TO BE ADJUSTED IN FIELD TO MAINTAIN CONSTANT VOLUME AIRFLOW. 6.) REFRIGERANT TO BE GROUP A2L SAFETY CLASSIFICATION. REFRIGERATION SYSTEM IS HIGH-PROBABILITY CLASSIFICATION PER CMC CHAPTER 11. UNITS WITH GROUP A2L REFRIGERANT TO BE PROVIDED WITH THE FOLLOWING PER CMC CHAPTER 11: NAMEPLATE AND LABELING DESIGNATING REFRIGERANT FLAMMABILITY. FACTORY REFRIGERANT DETECTION SYSTEM WHICH, UPON DETECTION OF REFRIGERANT EXCEEDING LISTED CONCENTRATION WILL; 1) ACTIVATE SUPPLY FAN, AND 2) TURN OFF COMPRESSOR, HEATING ELEMENTS, AND ANY OTHER ELECTRICAL DEVICES EXCLUDING THE CONTROL POWER TRANSFORMERS, CONTROLS SYSTEMS AND THE SUPPLY FAN. 7.) PROVIDE HINGED ACCESS PANELS AND HINGED FILTER ACCESS DOOR. 8.) PROVIDE CANFAB 11" ISOLATON CURB BASE RAIL WITH 2" DEFLECTION, 24.5" TOTAL CURB HEIGHT. 9.) SEE ELECTRICAL DRAWINGS FOR DISCONNECT SWITCH.
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DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

Studio W Architects
1930 H Street
Sacramento, California 95811
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LP CONSULTING ENGINEERS
MEP & FS / Sustainability / CxA
1209 Pleasant Grove Blvd.
Roseville, CA 95678
p 916-771-0778
www.lpengineers.com
Job #: 25-2132

ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M-34661 REN-12-31-26 MECHANICAL STATE OF CALIFORNIA

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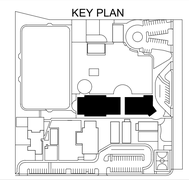
KEY PLAN



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1965 BIRKMONT DRIVE
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DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
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MECHANICAL SCHEDULES

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2M0.3
Drawn / Checked	
Author / Checker	

PRINT DATE: 7/10/2026 9:12:30 AM
FILE PATH: Autodesk Docs://25-2132 FCUSD Cordova Villa ES/25-2132 FCUSD Cordova ES MP+FP .r23.rvt

PACKAGE HEAT PUMP SCHEDULE - PHP-B3 - PHP-B7

TYPE	MARK	NOMINAL TONS	DUCT CONFIG.	ELECTRICAL					SUPPLY FAN					COOLING (R-454B)						HEATING						POWER EXHAUST								FILTER TYPE	OPERATING WEIGHT	MANUFACTURER	MODEL	NOTES
				VOLTAGE	PHASE	RLA	MCA	MOCP	DESIGN BHP	DRIVE / SPEEDS	SUPPLY AIR CFM	E.S.P. (IN. W.C.)	MIN.OSA CFM	TYPE	SEER/ EER	TOTAL COOLING CAPACITY	SENSIBLE COOLING CAPACITY	E.A. DB (°F)	E.A. WB (°F)	AMBIENT TEMP. (°F)	TYPE	HPSF / COP	CAPACITY AT 47°F (BTU)	CAPACITY AT 17°F (BTU)	ELEC HEAT (KW)	AMBIENT TEMP (°F)	VOLTAGE	PHASE	RLA	MCA	MOCP	HP	MANUFACTURER	MODEL					
PHP	B3	4	VERTICAL	460	3	16.1	23	25	0.95	VANE AXIAL	1,600	1.0	DCV	DX	17 / 9.42	43,300 Btu/h	32,280 Btu/h	80	67	105	DX	8.2	45,000	25,400 Btu/h	5.5	26	460	3	1	2	3	0.5	CANFAB	1120-MPE	MERV 13	1,500	CARRIER	50GEQM05A3 M6-0A3A0	1.) PROVIDE DIGITAL TOUCH-SCREEN THERMOSTAT/SENSOR WITH LOCKING COVER AND SUB-BASE. PACKAGE HEAT PUMP UNITS SHALL BE PROVIDED WITH CONVENTIONAL THERMOSTAT INTERFACE BY UNIT MANUFACTURER AND TO BE CONTROLLED BY THE ALERTON CONTROLS BMS. MANUFACTURER PROVIDED BACNET MS/TP INTERFACE IS NOT REQUIRED. 2.) COORDINATE REQUIREMENTS WITH POWERED EXHAUST MODULE. PROVIDE TITLE 24 COMPLIANT MICROMETL MODULATING CENTRIFUGAL POWER EXHAUST AND ULTRA LOW LEAK ECONOMIZER. PROVIDE WITH CANFAB REMOVABLE DISCHARGE HOOD ACCESSORY KIT #185773-MI. POWERED EXHAUST TO BE POWERED SEPARATELY FROM ROOFTOP UNIT. 3.) TERMINATE SPACE STATIC PRESSURE TUBING AT CEILING IN A COMMON AREA THAT MOST ACCURATELY REPRESENTS THE AREA SERVED BY THE UNIT. PROVIDE DECORATIVE COVER AT TERMINATION, DWEYER OR EQUAL. DO NOT TERMINATE IN DECORATIVE CEILINGS UNLESS APPROVED IN WRITING BY ARCHITECT. 4.) PROVIDE "BELIMO" DAMPER ACTUATOR FOR INTERFACE WITH DELTA EMS, DCV AND ECONOMIZER FUNCTIONS. 5.) MECHANCAIL CONTRACTOR AND MANUFACTURERS REPRESENTATIVE SHALL COORDINATE AND ADJUST EQUIPMENT SETTINGS TO ENSURE SUPPLY FAN OPERATES AT CONSTANT VOLUME. CONTRACTOR TO BALANCE UNITS UNDER ALL MODES OF OPERATION AT AIRFLOW(S) LISTED. UNITS WITH FACTORY/INTEGRAL CONTROL SEQUENCES WHICH INCLUDE FAN SPEED MODULATION TO BE ADJUSTED IN FIELD TO MAINTAIN CONSTANT VOLUME AIRFLOW. 6.) REFRIGERANT TO BE GROUP A2L SAFETY CLASSIFICATION. REFRIGERATION SYSTEM IS HIGH-PROBABILITY CLASSIFICATION PER CMC CHAPTER 11. UNITS WITH GROUP A2L REFRIGERANT TO BE PROVIDED WITH THE FOLLOWING PER CMC CHAPTER 11: NAMEPLATE AND LABELING DESIGNATING REFRIGERANT FLAMMABILITY. FACTORY REFRIGERANT DETECTION SYSTEM WHICH, UPON DETECTION OF REFRIGERANT EXCEEDING LISTED CONCENTRATION WILL; 1) ACTIVATE SUPPLY FAN, AND 2) TURN OFF COMPRESSOR, HEATING ELEMENTS, AND ANY OTHER ELECTRICAL DEVICES EXCLUDING THE CONTROL POWER TRANSFORMERS, CONTROLS SYSTEMS AND THE SUPPLY FAN. 7.) PROVIDE HINGED ACCESS PANELS AND HINGED FILTER ACCESS DOOR. 8.) PROVIDE CANFAB 11" ISOLATON CURB BASE RAIL WITH 2" DEFLECTION, 24.5" TOTAL CURB HEIGHT. 9.) SEE ELECTRICAL DRAWINGS FOR DISCONNECT SWITCH.
PHP	B4	4	VERTICAL	460	3	16.1	23	25	0.95	VANE AXIAL	1,600	1.0	DCV	DX	17 / 9.42	43,300 Btu/h	32,280 Btu/h	80	67	105	DX	8.2	45,000	25,400 Btu/h	5.5	26	460	3	1	2	3	0.5	CANFAB	1120-MPE	MERV 13	1,500	CARRIER	50GEQM05A3 M6-0A3A0	1.) PROVIDE DIGITAL TOUCH-SCREEN THERMOSTAT/SENSOR WITH LOCKING COVER AND SUB-BASE. PACKAGE HEAT PUMP UNITS SHALL BE PROVIDED WITH CONVENTIONAL THERMOSTAT INTERFACE BY UNIT MANUFACTURER AND TO BE CONTROLLED BY THE ALERTON CONTROLS BMS. MANUFACTURER PROVIDED BACNET MS/TP INTERFACE IS NOT REQUIRED. 2.) COORDINATE REQUIREMENTS WITH POWERED EXHAUST MODULE. PROVIDE TITLE 24 COMPLIANT MICROMETL MODULATING CENTRIFUGAL POWER EXHAUST AND ULTRA LOW LEAK ECONOMIZER. PROVIDE WITH CANFAB REMOVABLE DISCHARGE HOOD ACCESSORY KIT #185773-MI. POWERED EXHAUST TO BE POWERED SEPARATELY FROM ROOFTOP UNIT. 3.) TERMINATE SPACE STATIC PRESSURE TUBING AT CEILING IN A COMMON AREA THAT MOST ACCURATELY REPRESENTS THE AREA SERVED BY THE UNIT. PROVIDE DECORATIVE COVER AT TERMINATION, DWEYER OR EQUAL. DO NOT TERMINATE IN DECORATIVE CEILINGS UNLESS APPROVED IN WRITING BY ARCHITECT. 4.) PROVIDE "BELIMO" DAMPER ACTUATOR FOR INTERFACE WITH DELTA EMS, DCV AND ECONOMIZER FUNCTIONS. 5.) MECHANCAIL CONTRACTOR AND MANUFACTURERS REPRESENTATIVE SHALL COORDINATE AND ADJUST EQUIPMENT SETTINGS TO ENSURE SUPPLY FAN OPERATES AT CONSTANT VOLUME. CONTRACTOR TO BALANCE UNITS UNDER ALL MODES OF OPERATION AT AIRFLOW(S) LISTED. UNITS WITH FACTORY/INTEGRAL CONTROL SEQUENCES WHICH INCLUDE FAN SPEED MODULATION TO BE ADJUSTED IN FIELD TO MAINTAIN CONSTANT VOLUME AIRFLOW. 6.) REFRIGERANT TO BE GROUP A2L SAFETY CLASSIFICATION. REFRIGERATION SYSTEM IS HIGH-PROBABILITY CLASSIFICATION PER CMC CHAPTER 11. UNITS WITH GROUP A2L REFRIGERANT TO BE PROVIDED WITH THE FOLLOWING PER CMC CHAPTER 11: NAMEPLATE AND LABELING DESIGNATING REFRIGERANT FLAMMABILITY. FACTORY REFRIGERANT DETECTION SYSTEM WHICH, UPON DETECTION OF REFRIGERANT EXCEEDING LISTED CONCENTRATION WILL; 1) ACTIVATE SUPPLY FAN, AND 2) TURN OFF COMPRESSOR, HEATING ELEMENTS, AND ANY OTHER ELECTRICAL DEVICES EXCLUDING THE CONTROL POWER TRANSFORMERS, CONTROLS SYSTEMS AND THE SUPPLY FAN. 7.) PROVIDE HINGED ACCESS PANELS AND HINGED FILTER ACCESS DOOR. 8.) PROVIDE CANFAB 11" ISOLATON CURB BASE RAIL WITH 2" DEFLECTION, 24.5" TOTAL CURB HEIGHT. 9.) SEE ELECTRICAL DRAWINGS FOR DISCONNECT SWITCH.
PHP	B5	4	VERTICAL	460	3	16.1	23	25	0.95	VANE AXIAL	1,600	1.0	DCV	DX	17 / 9.42	43,300 Btu/h	32,280 Btu/h	80	67	105	DX	8.2	45,000	25,400 Btu/h	5.5	26	460	3	1	2	3	0.5	CANFAB	1120-MPE	MERV 13	1,500	CARRIER	50GEQM05A3 M6-0A3A0	1.) PROVIDE DIGITAL TOUCH-SCREEN THERMOSTAT/SENSOR WITH LOCKING COVER AND SUB-BASE. PACKAGE HEAT PUMP UNITS SHALL BE PROVIDED WITH CONVENTIONAL THERMOSTAT INTERFACE BY UNIT MANUFACTURER AND TO BE CONTROLLED BY THE ALERTON CONTROLS BMS. MANUFACTURER PROVIDED BACNET MS/TP INTERFACE IS NOT REQUIRED. 2.) COORDINATE REQUIREMENTS WITH POWERED EXHAUST MODULE. PROVIDE TITLE 24 COMPLIANT MICROMETL MODULATING CENTRIFUGAL POWER EXHAUST AND ULTRA LOW LEAK ECONOMIZER. PROVIDE WITH CANFAB REMOVABLE DISCHARGE HOOD ACCESSORY KIT #185773-MI. POWERED EXHAUST TO BE POWERED SEPARATELY FROM ROOFTOP UNIT. 3.) TERMINATE SPACE STATIC PRESSURE TUBING AT CEILING IN A COMMON AREA THAT MOST ACCURATELY REPRESENTS THE AREA SERVED BY THE UNIT. PROVIDE DECORATIVE COVER AT TERMINATION, DWEYER OR EQUAL. DO NOT TERMINATE IN DECORATIVE CEILINGS UNLESS APPROVED IN WRITING BY ARCHITECT. 4.) PROVIDE "BELIMO" DAMPER ACTUATOR FOR INTERFACE WITH DELTA EMS, DCV AND ECONOMIZER FUNCTIONS. 5.) MECHANCAIL CONTRACTOR AND MANUFACTURERS REPRESENTATIVE SHALL COORDINATE AND ADJUST EQUIPMENT SETTINGS TO ENSURE SUPPLY FAN OPERATES AT CONSTANT VOLUME. CONTRACTOR TO BALANCE UNITS UNDER ALL MODES OF OPERATION AT AIRFLOW(S) LISTED. UNITS WITH FACTORY/INTEGRAL CONTROL SEQUENCES WHICH INCLUDE FAN SPEED MODULATION TO BE ADJUSTED IN FIELD TO MAINTAIN CONSTANT VOLUME AIRFLOW. 6.) REFRIGERANT TO BE GROUP A2L SAFETY CLASSIFICATION. REFRIGERATION SYSTEM IS HIGH-PROBABILITY CLASSIFICATION PER CMC CHAPTER 11. UNITS WITH GROUP A2L REFRIGERANT TO BE PROVIDED WITH THE FOLLOWING PER CMC CHAPTER 11: NAMEPLATE AND LABELING DESIGNATING REFRIGERANT FLAMMABILITY. FACTORY REFRIGERANT DETECTION SYSTEM WHICH, UPON DETECTION OF REFRIGERANT EXCEEDING LISTED CONCENTRATION WILL; 1) ACTIVATE SUPPLY FAN, AND 2) TURN OFF COMPRESSOR, HEATING ELEMENTS, AND ANY OTHER ELECTRICAL DEVICES EXCLUDING THE CONTROL POWER TRANSFORMERS, CONTROLS SYSTEMS AND THE SUPPLY FAN. 7.) PROVIDE HINGED ACCESS PANELS AND HINGED FILTER ACCESS DOOR. 8.) PROVIDE CANFAB 11" ISOLATON CURB BASE RAIL WITH 2" DEFLECTION, 24.5" TOTAL CURB HEIGHT. 9.) SEE ELECTRICAL DRAWINGS FOR DISCONNECT SWITCH.
PHP	B6	4	VERTICAL	460	3	16.1	23	25	0.95	VANE AXIAL	1,600	1.0	335	DX	17 / 9.42	43,300 Btu/h	32,280 Btu/h	80	67	105	DX	8.2	45,000	25,400 Btu/h	5.5	26	460	3	1	2	3	0.5	CANFAB	1120-MPE	MERV 13	1,500	CARRIER	50GEQM05A3 M6-0A3A0	1.) PROVIDE DIGITAL TOUCH-SCREEN THERMOSTAT/SENSOR WITH LOCKING COVER AND SUB-BASE. PACKAGE HEAT PUMP UNITS SHALL BE PROVIDED WITH CONVENTIONAL THERMOSTAT INTERFACE BY UNIT MANUFACTURER AND TO BE CONTROLLED BY THE ALERTON CONTROLS BMS. MANUFACTURER PROVIDED BACNET MS/TP INTERFACE IS NOT REQUIRED. 2.) COORDINATE REQUIREMENTS WITH POWERED EXHAUST MODULE. PROVIDE TITLE 24 COMPLIANT MICROMETL MODULATING CENTRIFUGAL POWER EXHAUST AND ULTRA LOW LEAK ECONOMIZER. PROVIDE WITH CANFAB REMOVABLE DISCHARGE HOOD ACCESSORY KIT #185773-MI. POWERED EXHAUST TO BE POWERED SEPARATELY FROM ROOFTOP UNIT. 3.) TERMINATE SPACE STATIC PRESSURE TUBING AT CEILING IN A COMMON AREA THAT MOST ACCURATELY REPRESENTS THE AREA SERVED BY THE UNIT. PROVIDE DECORATIVE COVER AT TERMINATION, DWEYER OR EQUAL. DO NOT TERMINATE IN DECORATIVE CEILINGS UNLESS APPROVED IN WRITING BY ARCHITECT. 4.) PROVIDE "BELIMO" DAMPER ACTUATOR FOR INTERFACE WITH DELTA EMS, DCV AND ECONOMIZER FUNCTIONS. 5.) MECHANCAIL CONTRACTOR AND MANUFACTURERS REPRESENTATIVE SHALL COORDINATE AND ADJUST EQUIPMENT SETTINGS TO ENSURE SUPPLY FAN OPERATES AT CONSTANT VOLUME. CONTRACTOR TO BALANCE UNITS UNDER ALL MODES OF OPERATION AT AIRFLOW(S) LISTED. UNITS WITH FACTORY/INTEGRAL CONTROL SEQUENCES WHICH INCLUDE FAN SPEED MODULATION TO BE ADJUSTED IN FIELD TO MAINTAIN CONSTANT VOLUME AIRFLOW. 6.) REFRIGERANT TO BE GROUP A2L SAFETY CLASSIFICATION. REFRIGERATION SYSTEM IS HIGH-PROBABILITY CLASSIFICATION PER CMC CHAPTER 11. UNITS WITH GROUP A2L REFRIGERANT TO BE PROVIDED WITH THE FOLLOWING PER CMC CHAPTER 11: NAMEPLATE AND LABELING DESIGNATING REFRIGERANT FLAMMABILITY. FACTORY REFRIGERANT DETECTION SYSTEM WHICH, UPON DETECTION OF REFRIGERANT EXCEEDING LISTED CONCENTRATION WILL; 1) ACTIVATE SUPPLY FAN, AND 2) TURN OFF COMPRESSOR, HEATING ELEMENTS, AND ANY OTHER ELECTRICAL DEVICES EXCLUDING THE CONTROL POWER TRANSFORMERS, CONTROLS SYSTEMS AND THE SUPPLY FAN. 7.) PROVIDE HINGED ACCESS PANELS AND HINGED FILTER ACCESS DOOR. 8.) PROVIDE CANFAB 11" ISOLATON CURB BASE RAIL WITH 2" DEFLECTION, 24.5" TOTAL CURB HEIGHT. 9.) SEE ELECTRICAL DRAWINGS FOR DISCONNECT SWITCH.
PHP	B7	4	VERTICAL	460	3	16.1	23	25	0.95	VANE AXIAL	1,600	1.0	DCV	DX	17 / 9.42	43,300 Btu/h	32,280 Btu/h	80	67	105	DX	8.2	45,000	25,400 Btu/h	5.5	26	460	3	1	2	3	0.5	CANFAB	1120-MPE	MERV 13	1,500	CARRIER	50GEQM05A3 M6-0A3A0	1.) PROVIDE DIGITAL TOUCH-SCREEN THERMOSTAT/SENSOR WITH LOCKING COVER AND SUB-BASE. PACKAGE HEAT PUMP UNITS SHALL BE PROVIDED WITH CONVENTIONAL THERMOSTAT INTERFACE BY UNIT MANUFACTURER AND TO BE CONTROLLED BY THE ALERTON CONTROLS BMS. MANUFACTURER PROVIDED BACNET MS/TP INTERFACE IS NOT REQUIRED. 2.) COORDINATE REQUIREMENTS WITH POWERED EXHAUST MODULE. PROVIDE TITLE 24 COMPLIANT MICROMETL MODULATING CENTRIFUGAL POWER EXHAUST AND ULTRA LOW LEAK ECONOMIZER. PROVIDE WITH CANFAB REMOVABLE DISCHARGE HOOD ACCESSORY KIT #185773-MI. POWERED EXHAUST TO BE POWERED SEPARATELY FROM ROOFTOP UNIT. 3.) TERMINATE SPACE STATIC PRESSURE TUBING AT CEILING IN A COMMON AREA THAT MOST ACCURATELY REPRESENTS THE AREA SERVED BY THE UNIT. PROVIDE DECORATIVE COVER AT TERMINATION, DWEYER OR EQUAL. DO NOT TERMINATE IN DECORATIVE CEILINGS UNLESS APPROVED IN WRITING BY ARCHITECT. 4.) PROVIDE "BELIMO" DAMPER ACTUATOR FOR INTERFACE WITH DELTA EMS, DCV AND ECONOMIZER FUNCTIONS. 5.) MECHANCAIL CONTRACTOR AND MANUFACTURERS REPRESENTATIVE SHALL COORDINATE AND ADJUST EQUIPMENT SETTINGS TO ENSURE SUPPLY FAN OPERATES AT CONSTANT VOLUME. CONTRACTOR TO BALANCE UNITS UNDER ALL MODES OF OPERATION AT AIRFLOW(S) LISTED. UNITS WITH FACTORY/INTEGRAL CONTROL SEQUENCES WHICH INCLUDE FAN SPEED MODULATION TO BE ADJUSTED IN FIELD TO MAINTAIN CONSTANT VOLUME AIRFLOW. 6.) REFRIGERANT TO BE GROUP A2L SAFETY CLASSIFICATION. REFRIGERATION SYSTEM IS HIGH-PROBABILITY CLASSIFICATION PER CMC CHAPTER 11. UNITS WITH GROUP A2L REFRIGERANT TO BE PROVIDED WITH THE FOLLOWING PER CMC CHAPTER 11: NAMEPLATE AND LABELING DESIGNATING REFRIGERANT FLAMMABILITY. FACTORY REFRIGERANT DETECTION SYSTEM WHICH, UPON DETECTION OF REFRIGERANT EXCEEDING LISTED CONCENTRATION WILL; 1) ACTIVATE SUPPLY FAN, AND 2) TURN OFF COMPRESSOR, HEATING ELEMENTS, AND ANY OTHER ELECTRICAL DEVICES EXCLUDING THE CONTROL POWER TRANSFORMERS, CONTROLS SYSTEMS AND THE SUPPLY FAN. 7.) PROVIDE HINGED ACCESS PANELS AND HINGED FILTER ACCESS DOOR. 8.) PROVIDE CANFAB 11" ISOLATON CURB BASE RAIL WITH 2" DEFLECTION, 24.5" TOTAL CURB HEIGHT. 9.) SEE ELECTRICAL DRAWINGS FOR DISCONNECT SWITCH.

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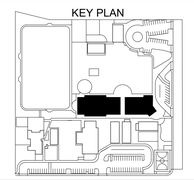
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

MECHANICAL SCHEDULES

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2M0.4
Drawn / Checked	
Author / Checker	

PACKAGE HEAT PUMP SCHEDULE - PHP-B8 - PHP-B12

TYPE	MARK	NOMINAL TONS	DUCT CONFIG.	ELECTRICAL					SUPPLY FAN					COOLING (R-454B)							HEATING						POWER EXHAUST								FILTER TYPE	OPERATING WEIGHT	MANUFACTURER	MODEL	NOTES
				VOLTAGE	PHASE	RLA	MCA	MOCP	DESIGN BHP	DRIVE / SPEEDS	SUPPLY AIR CFM	E.S.P. (IN. W.C.)	MIN OSA CFM	TYPE	SEER/ EER	TOTAL COOLING CAPACITY	SENSIBLE COOLING CAPACITY	E.A. DB (°F)	E.A. WB (°F)	AMBIENT TEMP. (°F)	TYPE	HPSF / COP	CAPACITY AT 47°F (BTU)	CAPACITY AT 17°F (BTU)	ELEC HEAT (KW)	AMBIENT TEMP (°F)	VOLTAGE	PHASE	RLA	MCA	MOCP	HP	MANUFACTURER	MODEL					
PHP	B8	4	VERTICAL	460	3	16.1	23	25	0.95	VANE AXIAL	1,600	1.0	DCV	DX	17 / 9.42	43,300 Btu/h	32,280 Btu/h	80	67	105	DX	8.2	45,000	25,400 Btu/h	5.5	26	460	3	1	2	3	0.5	CANFAB	1120-MPE	MERV 13	1,500	CARRIER	50GEQM05A3 M6-0A3A0	1.) PROVIDE DIGITAL TOUCH-SCREEN THERMOSTAT/SENSOR WITH LOCKING COVER AND SUB-BASE. PACKAGE HEAT PUMP UNITS SHALL BE PROVIDED WITH CONVENTIONAL THERMOSTAT INTERFACE BY UNIT MANUFACTURER AND TO BE CONTROLLED BY THE ALERTON CONTROLS BMS. MANUFACTURER PROVIDED BACNET MS/TP INTERFACE IS NOT REQUIRED. 2.) COORDINATE REQUIREMENTS WITH POWERED EXHAUST MODULE. PROVIDE TITLE 24 COMPLIANT MICROMETL MODULATING CENTRIFUGAL POWER EXHAUST AND ULTRA LOW LEAK ECONOMIZER. PROVIDE WITH CANFAB REMOVABLE DISCHARGE HOOD ACCESSORY KIT #185773-MI. POWERED EXHAUST TO BE POWERED SEPARATELY FROM ROOFTOP UNIT. 3.) TERMINATE SPACE STATIC PRESSURE TUBING AT CEILING IN A COMMON AREA THAT MOST ACCURATELY REPRESENTS THE AREA SERVED BY THE UNIT. PROVIDE DECORATIVE COVER AT TERMINATION, DWEYER OR EQUAL. DO NOT TERMINATE IN DECORATIVE CEILINGS UNLESS APPROVED IN WRITING BY ARCHITECT. 4.) PROVIDE "BELIMO" DAMPER ACTUATOR FOR INTERFACE WITH DELTA EMS, DCV AND ECONOMIZER FUNCTIONS. 5.) MECHANCAIL CONTRACTOR AND MANUFACTURERS REPRESENTATIVE SHALL COORDINATE AND ADJUST EQUIPMENT SETTINGS TO ENSURE SUPPLY FAN OPERATES AT CONSTANT VOLUME. CONTRACTOR TO BALANCE UNITS UNDER ALL MODES OF OPERATION AT AIRFLOW(S) LISTED. UNITS WITH FACTORY/INTEGRAL CONTROL SEQUENCES WHICH INCLUDE FAN SPEED MODULATION TO BE ADJUSTED IN FIELD TO MAINTAIN CONSTANT VOLUME AIRFLOW. 6.) REFRIGERANT TO BE GROUP A2L SAFETY CLASSIFICATION. REFRIGERATION SYSTEM IS HIGH-PROBABILITY CLASSIFICATION PER CMC CHAPTER 11. UNITS WITH GROUP A2L REFRIGERANT TO BE PROVIDED WITH THE FOLLOWING PER CMC CHAPTER 11: NAMEPLATE AND LABELING DESIGNATING REFRIGERANT FLAMMABILITY. FACTORY REFRIGERANT DETECTION SYSTEM WHICH, UPON DETECTION OF REFRIGERANT EXCEEDING LISTED CONCENTRATION WILL:; 1) ACTIVATE SUPPLY FAN, AND 2) TURN OFF COMPRESSOR, HEATING ELEMENTS, AND ANY OTHER ELECTRICAL DEVICES EXCLUDING THE CONTROL POWER TRANSFORMERS, CONTROLS SYSTEMS AND THE SUPPLY FAN. 7.) PROVIDE HINGED ACCESS PANELS AND HINGED FILTER ACCESS DOOR. 8.) PROVIDE CANFAB 11" ISOLATON CURB BASE RAIL WITH 2" DEFLECTION, 24.5" TOTAL CURB HEIGHT. 9.) SEE ELECTRICAL DRAWINGS FOR DISCONNECT SWITCH.
PHP	B9	4	VERTICAL	460	3	16.1	23	25	0.95	VANE AXIAL	1,600	1.0	DCV	DX	17 / 9.42	43,300 Btu/h	32,280 Btu/h	80	67	105	DX	8.2	45,000	25,400 Btu/h	5.5	26	460	3	1	2	3	0.5	CANFAB	1120-MPE	MERV 13	1,500	CARRIER	50GEQM05A3 M6-0A3A0	1.) PROVIDE DIGITAL TOUCH-SCREEN THERMOSTAT/SENSOR WITH LOCKING COVER AND SUB-BASE. PACKAGE HEAT PUMP UNITS SHALL BE PROVIDED WITH CONVENTIONAL THERMOSTAT INTERFACE BY UNIT MANUFACTURER AND TO BE CONTROLLED BY THE ALERTON CONTROLS BMS. MANUFACTURER PROVIDED BACNET MS/TP INTERFACE IS NOT REQUIRED. 2.) COORDINATE REQUIREMENTS WITH POWERED EXHAUST MODULE. PROVIDE TITLE 24 COMPLIANT MICROMETL MODULATING CENTRIFUGAL POWER EXHAUST AND ULTRA LOW LEAK ECONOMIZER. PROVIDE WITH CANFAB REMOVABLE DISCHARGE HOOD ACCESSORY KIT #185773-MI. POWERED EXHAUST TO BE POWERED SEPARATELY FROM ROOFTOP UNIT. 3.) TERMINATE SPACE STATIC PRESSURE TUBING AT CEILING IN A COMMON AREA THAT MOST ACCURATELY REPRESENTS THE AREA SERVED BY THE UNIT. PROVIDE DECORATIVE COVER AT TERMINATION, DWEYER OR EQUAL. DO NOT TERMINATE IN DECORATIVE CEILINGS UNLESS APPROVED IN WRITING BY ARCHITECT. 4.) PROVIDE "BELIMO" DAMPER ACTUATOR FOR INTERFACE WITH DELTA EMS, DCV AND ECONOMIZER FUNCTIONS. 5.) MECHANCAIL CONTRACTOR AND MANUFACTURERS REPRESENTATIVE SHALL COORDINATE AND ADJUST EQUIPMENT SETTINGS TO ENSURE SUPPLY FAN OPERATES AT CONSTANT VOLUME. CONTRACTOR TO BALANCE UNITS UNDER ALL MODES OF OPERATION AT AIRFLOW(S) LISTED. UNITS WITH FACTORY/INTEGRAL CONTROL SEQUENCES WHICH INCLUDE FAN SPEED MODULATION TO BE ADJUSTED IN FIELD TO MAINTAIN CONSTANT VOLUME AIRFLOW. 6.) REFRIGERANT TO BE GROUP A2L SAFETY CLASSIFICATION. REFRIGERATION SYSTEM IS HIGH-PROBABILITY CLASSIFICATION PER CMC CHAPTER 11. UNITS WITH GROUP A2L REFRIGERANT TO BE PROVIDED WITH THE FOLLOWING PER CMC CHAPTER 11: NAMEPLATE AND LABELING DESIGNATING REFRIGERANT FLAMMABILITY. FACTORY REFRIGERANT DETECTION SYSTEM WHICH, UPON DETECTION OF REFRIGERANT EXCEEDING LISTED CONCENTRATION WILL:; 1) ACTIVATE SUPPLY FAN, AND 2) TURN OFF COMPRESSOR, HEATING ELEMENTS, AND ANY OTHER ELECTRICAL DEVICES EXCLUDING THE CONTROL POWER TRANSFORMERS, CONTROLS SYSTEMS AND THE SUPPLY FAN. 7.) PROVIDE HINGED ACCESS PANELS AND HINGED FILTER ACCESS DOOR. 8.) PROVIDE CANFAB 11" ISOLATON CURB BASE RAIL WITH 2" DEFLECTION, 24.5" TOTAL CURB HEIGHT. 9.) SEE ELECTRICAL DRAWINGS FOR DISCONNECT SWITCH.
PHP	B10	4	VERTICAL	460	3	16.1	23	25	0.95	VANE AXIAL	1,600	1.0	DCV	DX	17 / 9.42	43,300 Btu/h	32,280 Btu/h	80	67	105	DX	8.2	45,000	25,400 Btu/h	5.5	26	460	3	1	2	3	0.5	CANFAB	1120-MPE	MERV 13	1,500	CARRIER	50GEQM05A3 M6-0A3A0	1.) PROVIDE DIGITAL TOUCH-SCREEN THERMOSTAT/SENSOR WITH LOCKING COVER AND SUB-BASE. PACKAGE HEAT PUMP UNITS SHALL BE PROVIDED WITH CONVENTIONAL THERMOSTAT INTERFACE BY UNIT MANUFACTURER AND TO BE CONTROLLED BY THE ALERTON CONTROLS BMS. MANUFACTURER PROVIDED BACNET MS/TP INTERFACE IS NOT REQUIRED. 2.) COORDINATE REQUIREMENTS WITH POWERED EXHAUST MODULE. PROVIDE TITLE 24 COMPLIANT MICROMETL MODULATING CENTRIFUGAL POWER EXHAUST AND ULTRA LOW LEAK ECONOMIZER. PROVIDE WITH CANFAB REMOVABLE DISCHARGE HOOD ACCESSORY KIT #185773-MI. POWERED EXHAUST TO BE POWERED SEPARATELY FROM ROOFTOP UNIT. 3.) TERMINATE SPACE STATIC PRESSURE TUBING AT CEILING IN A COMMON AREA THAT MOST ACCURATELY REPRESENTS THE AREA SERVED BY THE UNIT. PROVIDE DECORATIVE COVER AT TERMINATION, DWEYER OR EQUAL. DO NOT TERMINATE IN DECORATIVE CEILINGS UNLESS APPROVED IN WRITING BY ARCHITECT. 4.) PROVIDE "BELIMO" DAMPER ACTUATOR FOR INTERFACE WITH DELTA EMS, DCV AND ECONOMIZER FUNCTIONS. 5.) MECHANCAIL CONTRACTOR AND MANUFACTURERS REPRESENTATIVE SHALL COORDINATE AND ADJUST EQUIPMENT SETTINGS TO ENSURE SUPPLY FAN OPERATES AT CONSTANT VOLUME. CONTRACTOR TO BALANCE UNITS UNDER ALL MODES OF OPERATION AT AIRFLOW(S) LISTED. UNITS WITH FACTORY/INTEGRAL CONTROL SEQUENCES WHICH INCLUDE FAN SPEED MODULATION TO BE ADJUSTED IN FIELD TO MAINTAIN CONSTANT VOLUME AIRFLOW. 6.) REFRIGERANT TO BE GROUP A2L SAFETY CLASSIFICATION. REFRIGERATION SYSTEM IS HIGH-PROBABILITY CLASSIFICATION PER CMC CHAPTER 11. UNITS WITH GROUP A2L REFRIGERANT TO BE PROVIDED WITH THE FOLLOWING PER CMC CHAPTER 11: NAMEPLATE AND LABELING DESIGNATING REFRIGERANT FLAMMABILITY. FACTORY REFRIGERANT DETECTION SYSTEM WHICH, UPON DETECTION OF REFRIGERANT EXCEEDING LISTED CONCENTRATION WILL:; 1) ACTIVATE SUPPLY FAN, AND 2) TURN OFF COMPRESSOR, HEATING ELEMENTS, AND ANY OTHER ELECTRICAL DEVICES EXCLUDING THE CONTROL POWER TRANSFORMERS, CONTROLS SYSTEMS AND THE SUPPLY FAN. 7.) PROVIDE HINGED ACCESS PANELS AND HINGED FILTER ACCESS DOOR. 8.) PROVIDE CANFAB 11" ISOLATON CURB BASE RAIL WITH 2" DEFLECTION, 24.5" TOTAL CURB HEIGHT. 9.) SEE ELECTRICAL DRAWINGS FOR DISCONNECT SWITCH.
PHP	B11	4	VERTICAL	460	3	16.1	23	25	0.95	VANE AXIAL	1,600	1.0	DCV	DX	17 / 9.42	43,300 Btu/h	32,280 Btu/h	80	67	105	DX	8.2	45,000	25,400 Btu/h	5.5	26	460	3	1	2	3	0.5	CANFAB	1120-MPE	MERV 13	1,500	CARRIER	50GEQM05A3 M6-0A3A0	1.) PROVIDE DIGITAL TOUCH-SCREEN THERMOSTAT/SENSOR WITH LOCKING COVER AND SUB-BASE. PACKAGE HEAT PUMP UNITS SHALL BE PROVIDED WITH CONVENTIONAL THERMOSTAT INTERFACE BY UNIT MANUFACTURER AND TO BE CONTROLLED BY THE ALERTON CONTROLS BMS. MANUFACTURER PROVIDED BACNET MS/TP INTERFACE IS NOT REQUIRED. 2.) COORDINATE REQUIREMENTS WITH POWERED EXHAUST MODULE. PROVIDE TITLE 24 COMPLIANT MICROMETL MODULATING CENTRIFUGAL POWER EXHAUST AND ULTRA LOW LEAK ECONOMIZER. PROVIDE WITH CANFAB REMOVABLE DISCHARGE HOOD ACCESSORY KIT #185773-MI. POWERED EXHAUST TO BE POWERED SEPARATELY FROM ROOFTOP UNIT. 3.) TERMINATE SPACE STATIC PRESSURE TUBING AT CEILING IN A COMMON AREA THAT MOST ACCURATELY REPRESENTS THE AREA SERVED BY THE UNIT. PROVIDE DECORATIVE COVER AT TERMINATION, DWEYER OR EQUAL. DO NOT TERMINATE IN DECORATIVE CEILINGS UNLESS APPROVED IN WRITING BY ARCHITECT. 4.) PROVIDE "BELIMO" DAMPER ACTUATOR FOR INTERFACE WITH DELTA EMS, DCV AND ECONOMIZER FUNCTIONS. 5.) MECHANCAIL CONTRACTOR AND MANUFACTURERS REPRESENTATIVE SHALL COORDINATE AND ADJUST EQUIPMENT SETTINGS TO ENSURE SUPPLY FAN OPERATES AT CONSTANT VOLUME. CONTRACTOR TO BALANCE UNITS UNDER ALL MODES OF OPERATION AT AIRFLOW(S) LISTED. UNITS WITH FACTORY/INTEGRAL CONTROL SEQUENCES WHICH INCLUDE FAN SPEED MODULATION TO BE ADJUSTED IN FIELD TO MAINTAIN CONSTANT VOLUME AIRFLOW. 6.) REFRIGERANT TO BE GROUP A2L SAFETY CLASSIFICATION. REFRIGERATION SYSTEM IS HIGH-PROBABILITY CLASSIFICATION PER CMC CHAPTER 11. UNITS WITH GROUP A2L REFRIGERANT TO BE PROVIDED WITH THE FOLLOWING PER CMC CHAPTER 11: NAMEPLATE AND LABELING DESIGNATING REFRIGERANT FLAMMABILITY. FACTORY REFRIGERANT DETECTION SYSTEM WHICH, UPON DETECTION OF REFRIGERANT EXCEEDING LISTED CONCENTRATION WILL:; 1) ACTIVATE SUPPLY FAN, AND 2) TURN OFF COMPRESSOR, HEATING ELEMENTS, AND ANY OTHER ELECTRICAL DEVICES EXCLUDING THE CONTROL POWER TRANSFORMERS, CONTROLS SYSTEMS AND THE SUPPLY FAN. 7.) PROVIDE HINGED ACCESS PANELS AND HINGED FILTER ACCESS DOOR. 8.) PROVIDE CANFAB 11" ISOLATON CURB BASE RAIL WITH 2" DEFLECTION, 24.5" TOTAL CURB HEIGHT. 9.) SEE ELECTRICAL DRAWINGS FOR DISCONNECT SWITCH.
PHP	B12	3	VERTICAL	460	3	15.2	19	20	0.64	VANE AXIAL	1,200	1.0	DCV	DX	17 / 9.57	32,560 Btu/h	24,440 Btu/h	80	67	105	DX	8.0	33,000	17,200 Btu/h	5.5	26	460	3	1	2	3	0.5	CANFAB	1120-MPE	MERV 13	1,500	CARRIER	50GEQM04A3 M6-0A3A0	1.) PROVIDE DIGITAL TOUCH-SCREEN THERMOSTAT/SENSOR WITH LOCKING COVER AND SUB-BASE. PACKAGE HEAT PUMP UNITS SHALL BE PROVIDED WITH CONVENTIONAL THERMOSTAT INTERFACE BY UNIT MANUFACTURER AND TO BE CONTROLLED BY THE ALERTON CONTROLS BMS. MANUFACTURER PROVIDED BACNET MS/TP INTERFACE IS NOT REQUIRED. 2.) COORDINATE REQUIREMENTS WITH POWERED EXHAUST MODULE. PROVIDE TITLE 24 COMPLIANT MICROMETL MODULATING CENTRIFUGAL POWER EXHAUST AND ULTRA LOW LEAK ECONOMIZER. PROVIDE WITH CANFAB REMOVABLE DISCHARGE HOOD ACCESSORY KIT #185773-MI. POWERED EXHAUST TO BE POWERED SEPARATELY FROM ROOFTOP UNIT. 3.) TERMINATE SPACE STATIC PRESSURE TUBING AT CEILING IN A COMMON AREA THAT MOST ACCURATELY REPRESENTS THE AREA SERVED BY THE UNIT. PROVIDE DECORATIVE COVER AT TERMINATION, DWEYER OR EQUAL. DO NOT TERMINATE IN DECORATIVE CEILINGS UNLESS APPROVED IN WRITING BY ARCHITECT. 4.) PROVIDE "BELIMO" DAMPER ACTUATOR FOR INTERFACE WITH DELTA EMS, DCV AND ECONOMIZER FUNCTIONS. 5.) MECHANCAIL CONTRACTOR AND MANUFACTURERS REPRESENTATIVE SHALL COORDINATE AND ADJUST EQUIPMENT SETTINGS TO ENSURE SUPPLY FAN OPERATES AT CONSTANT VOLUME. CONTRACTOR TO BALANCE UNITS UNDER ALL MODES OF OPERATION AT AIRFLOW(S) LISTED. UNITS WITH FACTORY/INTEGRAL CONTROL SEQUENCES WHICH INCLUDE FAN SPEED MODULATION TO BE ADJUSTED IN FIELD TO MAINTAIN CONSTANT VOLUME AIRFLOW. 6.) REFRIGERANT TO BE GROUP A2L SAFETY CLASSIFICATION. REFRIGERATION SYSTEM IS HIGH-PROBABILITY CLASSIFICATION PER CMC CHAPTER 11. UNITS WITH GROUP A2L REFRIGERANT TO BE PROVIDED WITH THE FOLLOWING PER CMC CHAPTER 11: NAMEPLATE AND LABELING DESIGNATING REFRIGERANT FLAMMABILITY. FACTORY REFRIGERANT DETECTION SYSTEM WHICH, UPON DETECTION OF REFRIGERANT EXCEEDING LISTED CONCENTRATION WILL:; 1) ACTIVATE SUPPLY FAN, AND 2) TURN OFF COMPRESSOR, HEATING ELEMENTS, AND ANY OTHER ELECTRICAL DEVICES EXCLUDING THE CONTROL POWER TRANSFORMERS, CONTROLS SYSTEMS AND THE SUPPLY FAN. 7.) PROVIDE HINGED ACCESS PANELS AND HINGED FILTER ACCESS DOOR. 8.) PROVIDE CANFAB 11" ISOLATON CURB BASE RAIL WITH 2" DEFLECTION, 24.5" TOTAL CURB HEIGHT. 9.) SEE ELECTRICAL DRAWINGS FOR DISCONNECT SWITCH.

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www.lpengineers.com
Job #: 25-2132

ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M-34661 REN-12-31-26 MECHANICAL STATE OF CALIFORNIA

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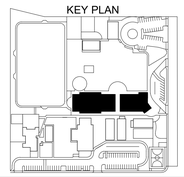
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

MECHANICAL SCHEDULES

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2M0.5
Drawn / Author	Checked / Checker

GENERAL NOTES

A. CONTRACTOR TO COORDINATE LOCATION OF FAN COIL AND SERVICE CLEARANCES WITH ALL TRADES PRIOR TO CONSTRUCTION TO ENSURE ALL FAN COIL MAINTENANCE TASKS CAN BE PERFORMED WITHOUT OBSTRUCTION.

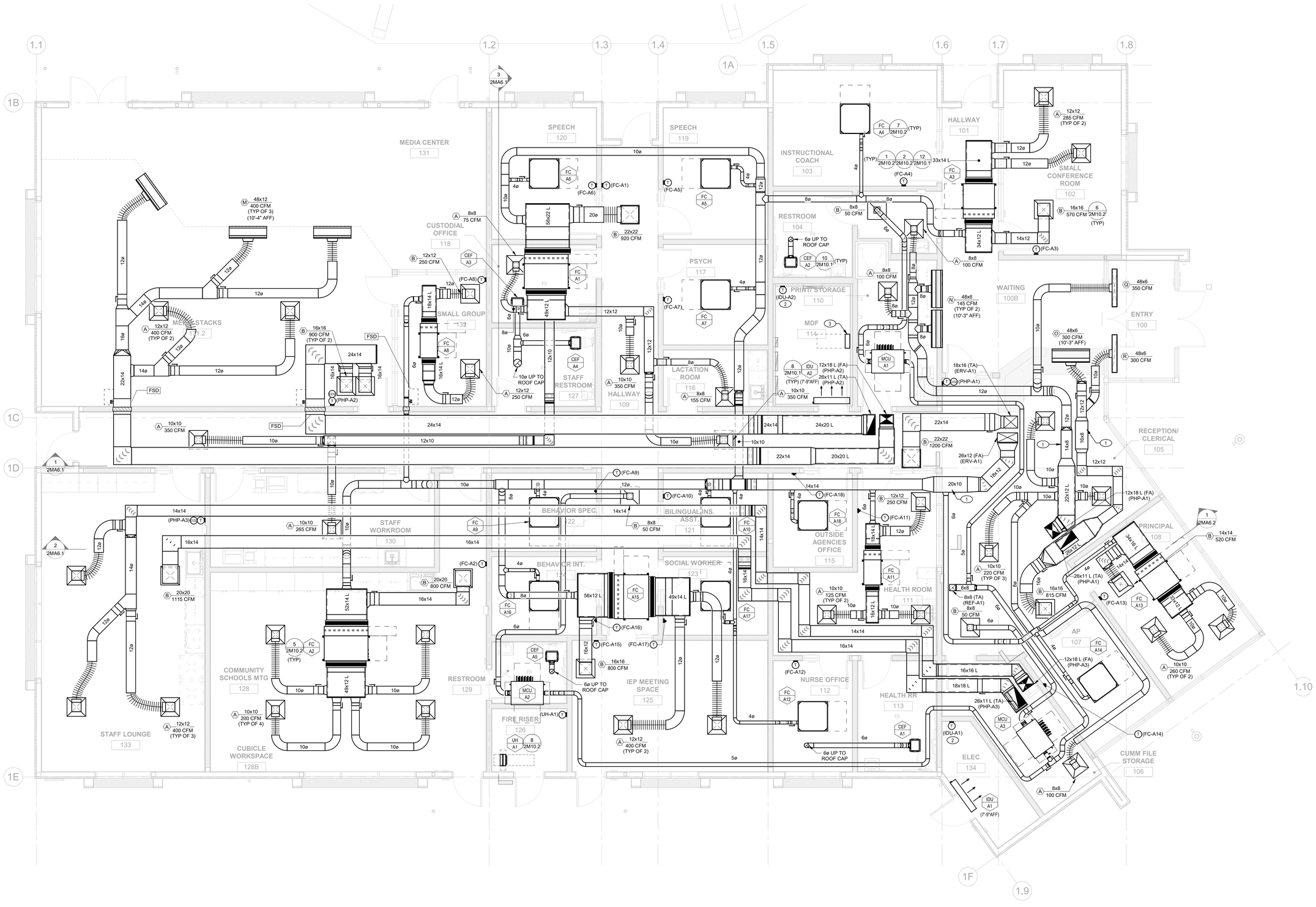
B. THERMOSTATS IN STUDENT ACCESSIBLE AREAS TO BE PROVIDED WITH VENTED LOCKABLE COVERS.

(#) KEY NOTES

1 FLATTEN DUCT UNDER LARGE BEAM. COORDINATE DUCT LOCATION WITH LIGHTS AND OTHER TRADES TO ENSURE NO CONFLICT.

2 COORDINATE LOCATION OF THERMOSTAT WITH ELECTRICAL AND IDF EQUIPMENT.

3 VRF SYSTEM HR-1 CONTROLLER. COORDINATE LOCATION OF CONTROLLER WITH ELECTRICAL AND LOW VOLTAGE CONTRACTOR(S).



1 MECHANICAL FLOOR PLAN - ADMIN

SCALE: 1/4" = 1'-0"

N

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ARCHITECT	ENGINEER
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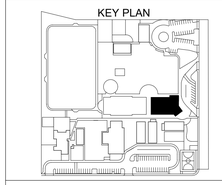
KEY PLAN



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DSA RESUBMITTAL

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MODERNIZATION INCREMENT 2
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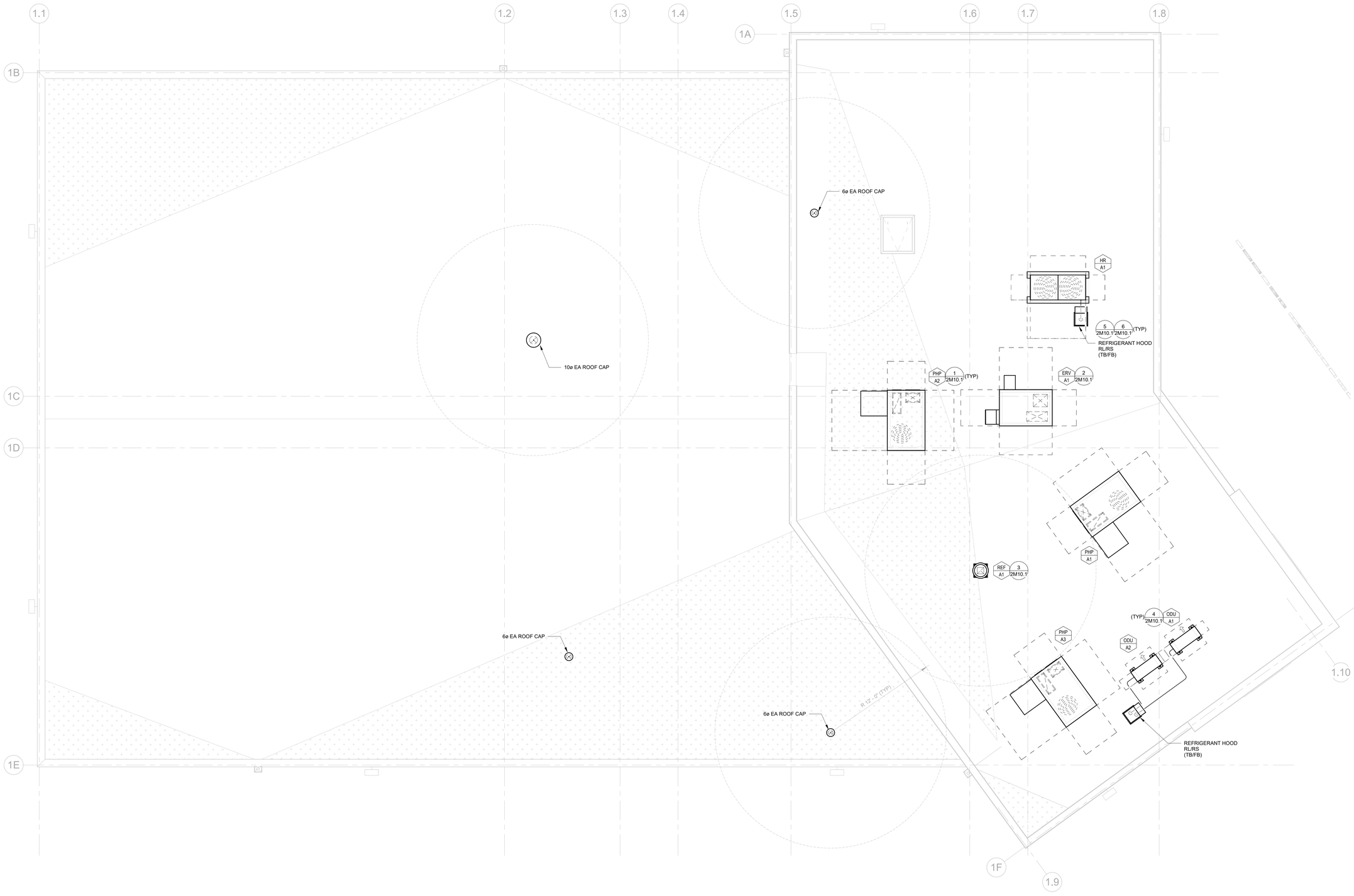
RANCHO CORDOVA, CA 95670

MECHANICAL FLOOR PLAN ADMIN

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2MA2.1
Drawn Author	Checked Checker



1 MECHANICAL ROOF PLAN - ADMIN

SCALE: 1/4" = 1'-0"

N

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ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M 34661 REN 12-31-26 MECHANICAL STATE OF CALIFORNIA

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	DATE
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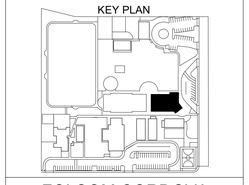
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



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RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

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MODERNIZATION INCREMENT 2
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RANCHO CORDOVA, CA 95670

MECHANICAL ROOF PLAN ADMIN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2MA4.1
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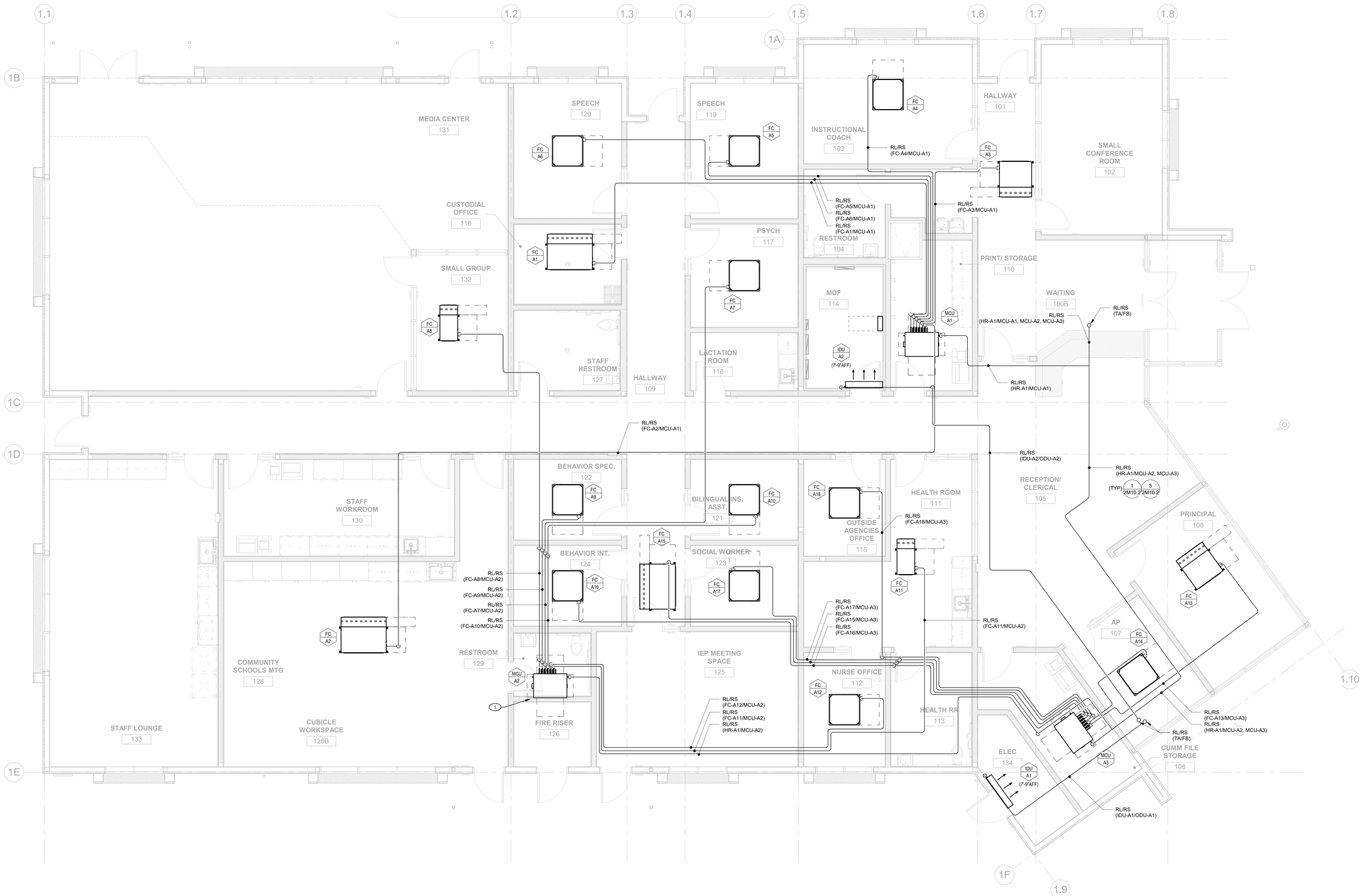
GENERAL NOTES

A. PIPING SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL DEVELOP AND SUBMIT FINAL PIPING AND WIRING DIAGRAMS BASED ON ACTUAL EQUIPMENT LOCATIONS AND ROUTING.

(#) KEY NOTES

1 WALL IS CEILING HEIGHT. SEE ARCHITECTURAL.



1 MECHANICAL PIPING FLOOR PLAN - ADMIN

SCALE: 1/4" = 1'-0"

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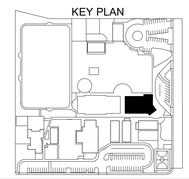
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



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1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

MECHANICAL PIPING FLOOR PLAN ADMIN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2MA5.1
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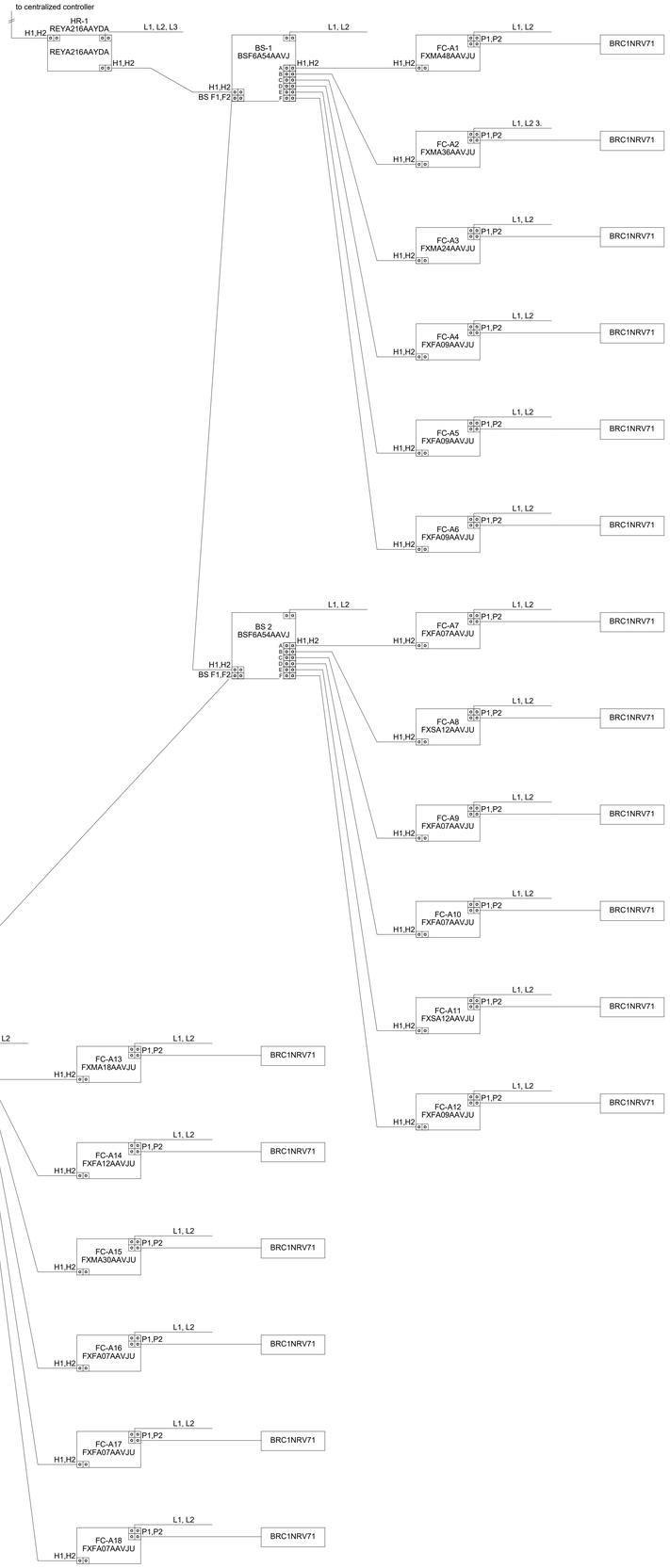
GENERAL NOTES

A. PIPING SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL DEVELOP AND SUBMIT FINAL PIPING AND WIRING DIAGRAMS BASED ON ACTUAL EQUIPMENT LOCATIONS AND ROUTING.

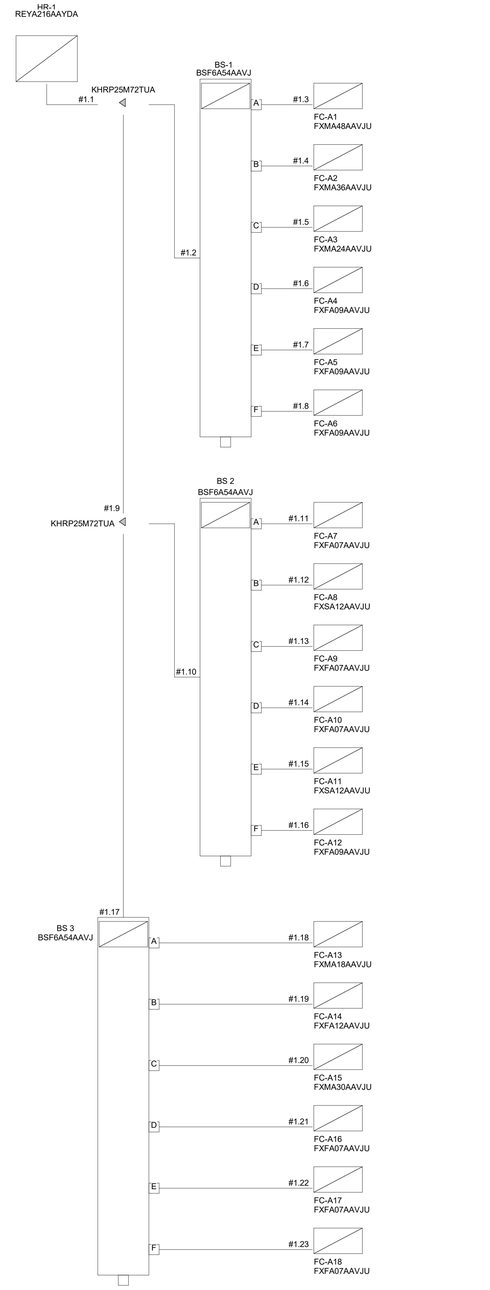
1 HR-1 CONTROLLER WIRING DIAGRAM

SCALE: 3/16" = 1'-0"



3 HR-1 WIRING DIAGRAM

SCALE: 1/8" = 1'-0"



2 HR-1 PIPING DIAGRAM

SCALE: 1" = 10'-0"

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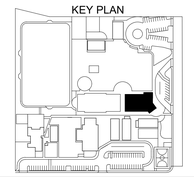
	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



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VRF PIPING AND WIRING DIAGRAMS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2MA5.2
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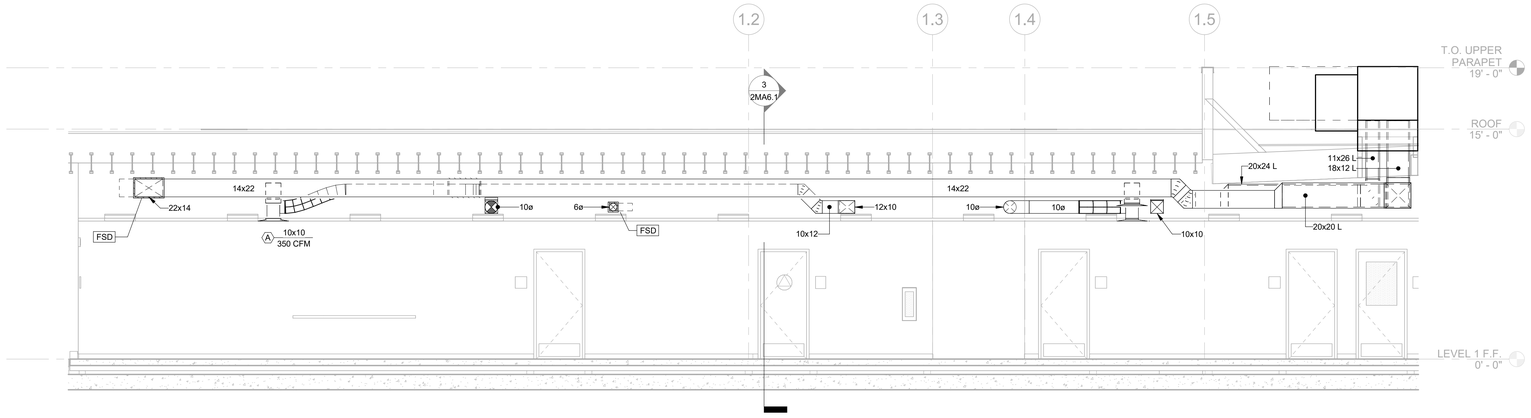
KEY NOTES

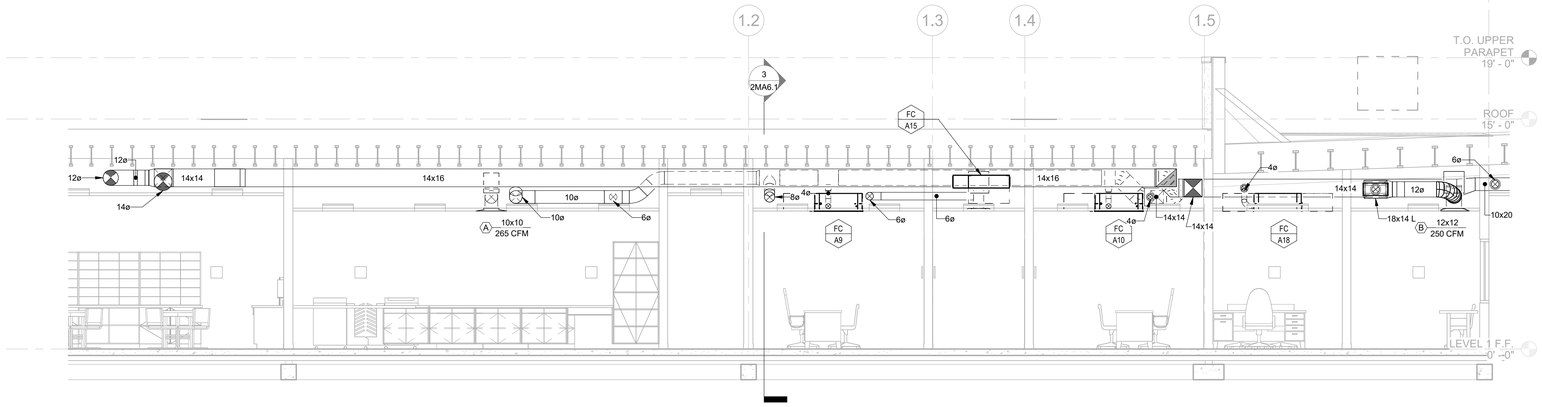
(#)

1 WALL IS CEILING HEIGHT. SEE ARCHITECTURAL.



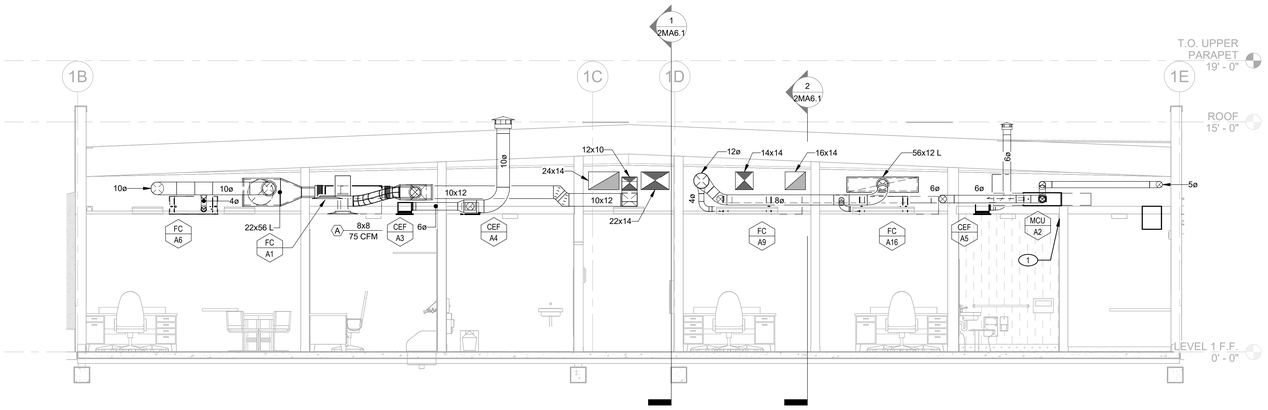
1 MECHANICAL SECTION - 109 HALLWAY

SCALE: 1/4" = 1'-0"



2 MECHANICAL SECTION - ADMIN 1

SCALE: 1/4" = 1'-0"



3 MECHANICAL SECTION - ADMIN 2

SCALE: 1/4" = 1'-0"

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FILE PATH: Autodesk Docs://25-2102 FCUSD Cordova Villa ES\25-2132 FCUSD Cordova ES MP+FP_r23.rvt

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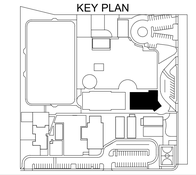
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



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RANCHO CORDOVA, CA 95670

MECHANICAL SECTIONS ADMIN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2MA6.1
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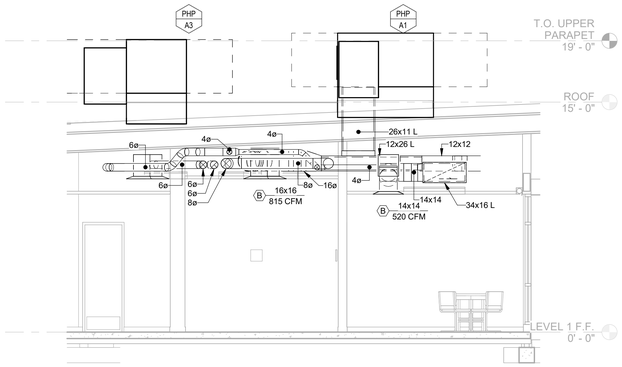

1 MECHANICAL SECTION - ADMIN 3

SCALE: 1/4" = 1'-0"

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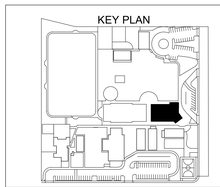
○ CONSTRUCTION	

KEY PLAN



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MECHANICAL SECTIONS ADMIN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2MA6.2
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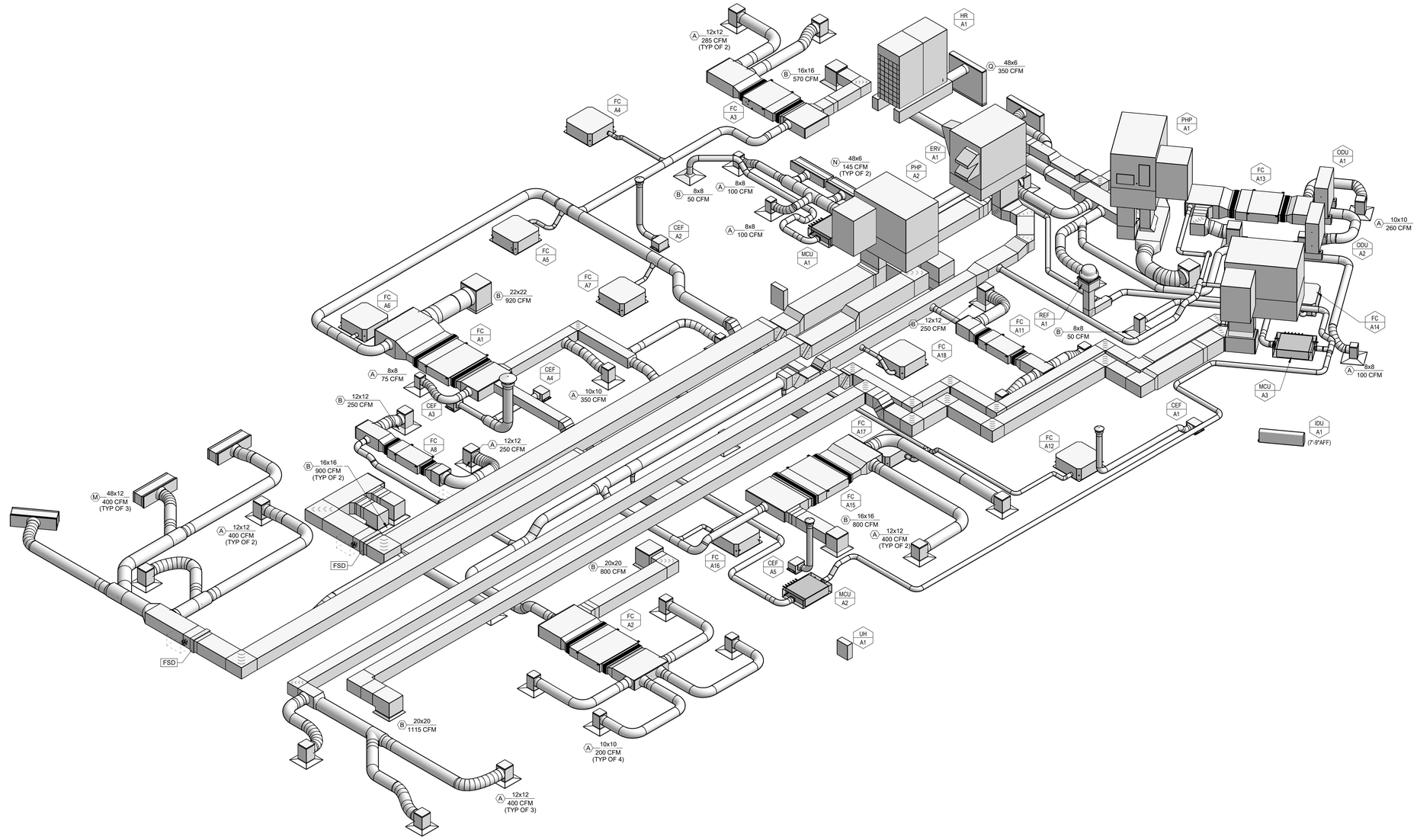

1 MECHANICAL ISOMETRIC - ADMIN

SCALE:

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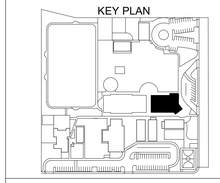
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



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1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

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CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

MECHANICAL ISOMETRIC ADMIN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2MA7.1
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Author / Checker	

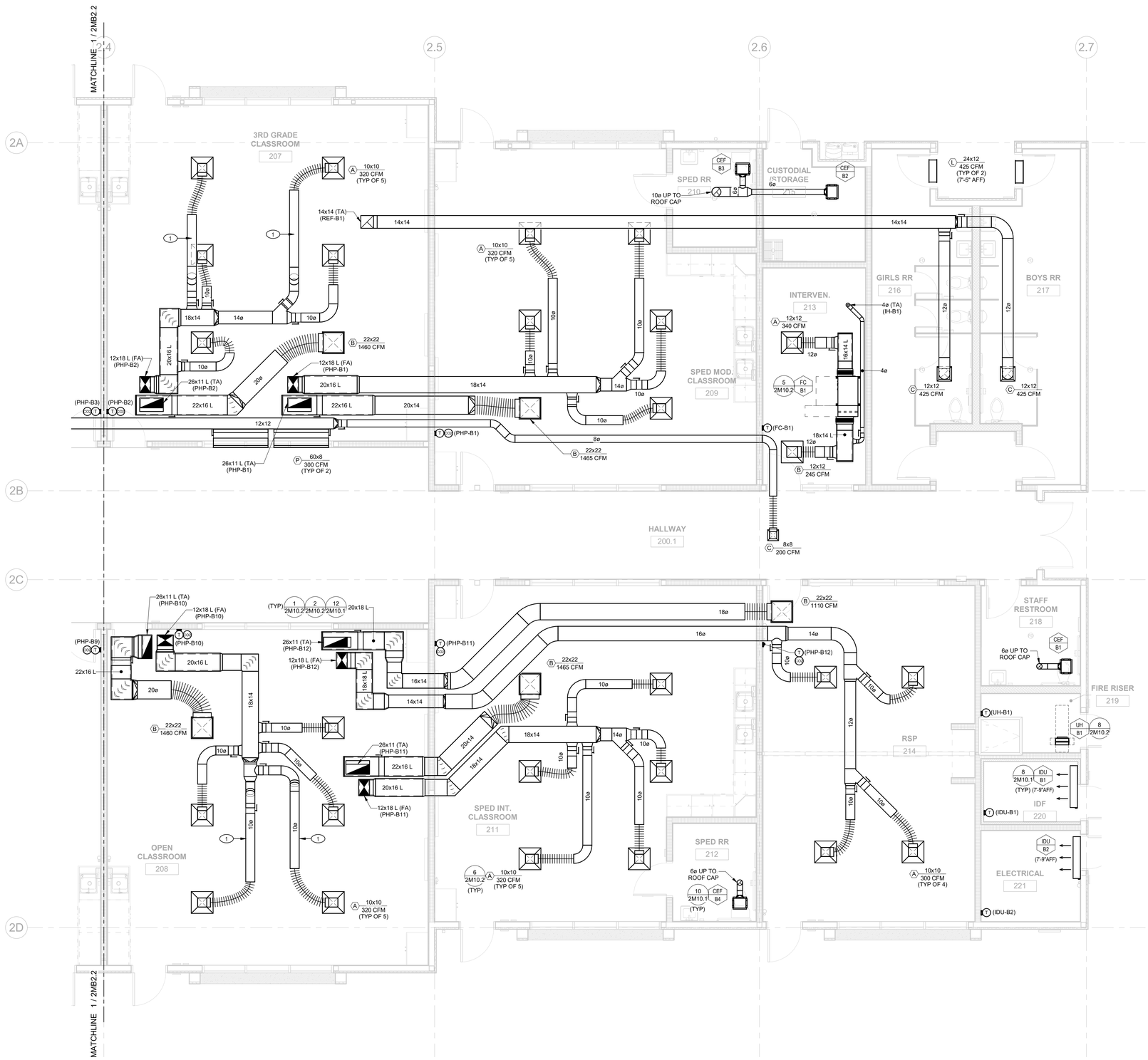
GENERAL NOTES

A. CONTRACTOR TO COORDINATE LOCATION OF FAN COIL AND SERVICE CLEARANCES WITH ALL TRADES PRIOR TO CONSTRUCTION TO ENSURE ALL FAN COIL MAINTENANCE TASKS CAN BE PERFORMED WITHOUT OBSTRUCTION.
B. THERMOSTATS IN STUDENT ACCESSIBLE AREAS TO BE PROVIDED WITH VENTED LOCKABLE COVERS.

KEY NOTES

(#)

1 DUCT ROUTED IN JOIST BAY.



1 MECHANICAL FLOOR PLAN - CLASSROOM - EAST

SCALE: 1/4" = 1'-0"

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CONSTRUCTION	

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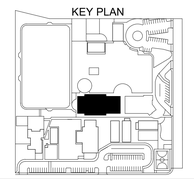

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MECHANICAL FLOOR PLAN CLASSROOM - EAST

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2MB2.1
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(#) KEY NOTES

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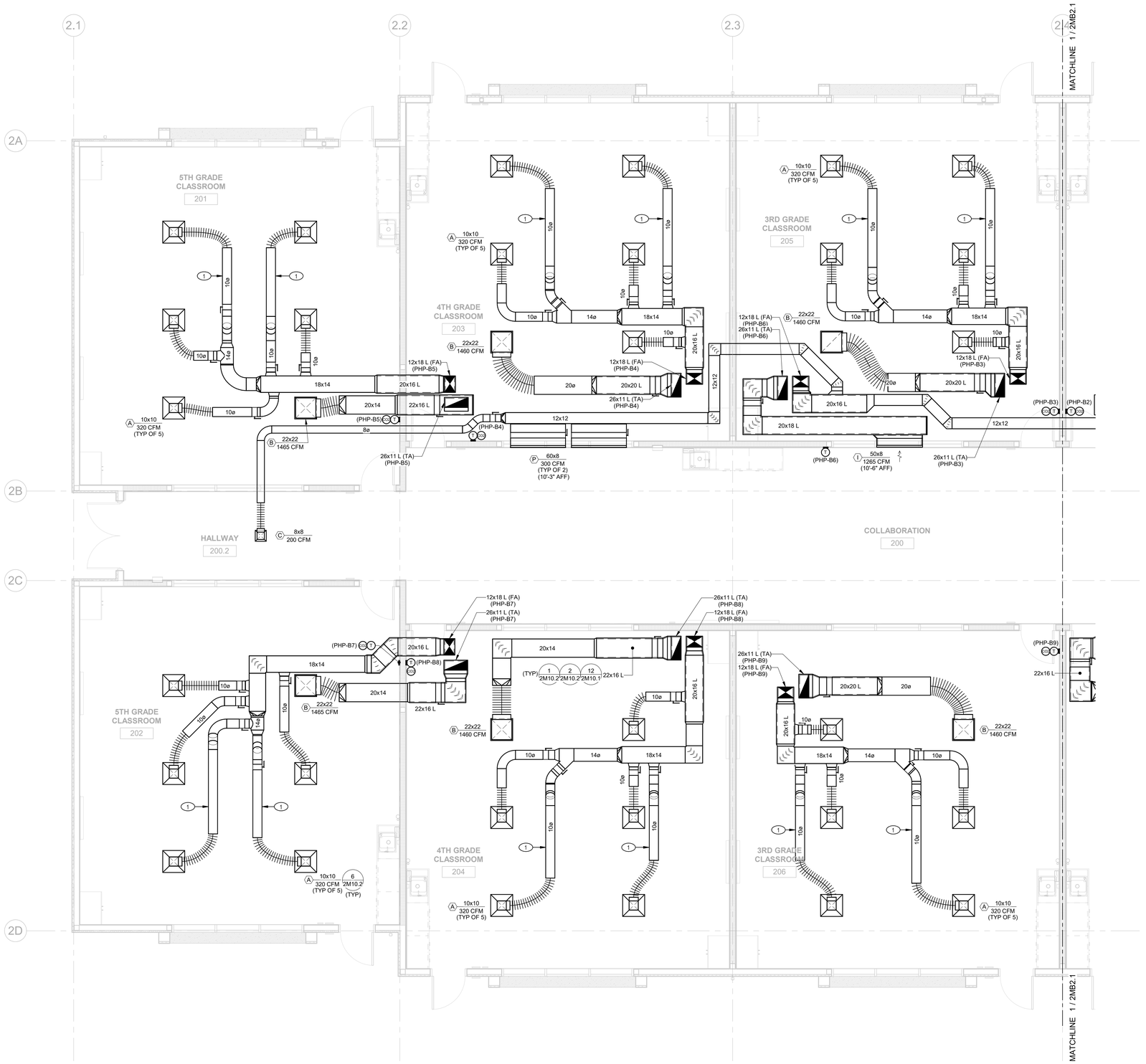

1 MECHANICAL FLOOR PLAN - CLASSROOM - WEST

SCALE: 1/4" = 1'-0"

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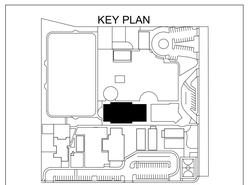
○ CONSTRUCTION	

KEY PLAN



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MECHANICAL FLOOR PLAN CLASSROOM - WEST

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2MB2.2
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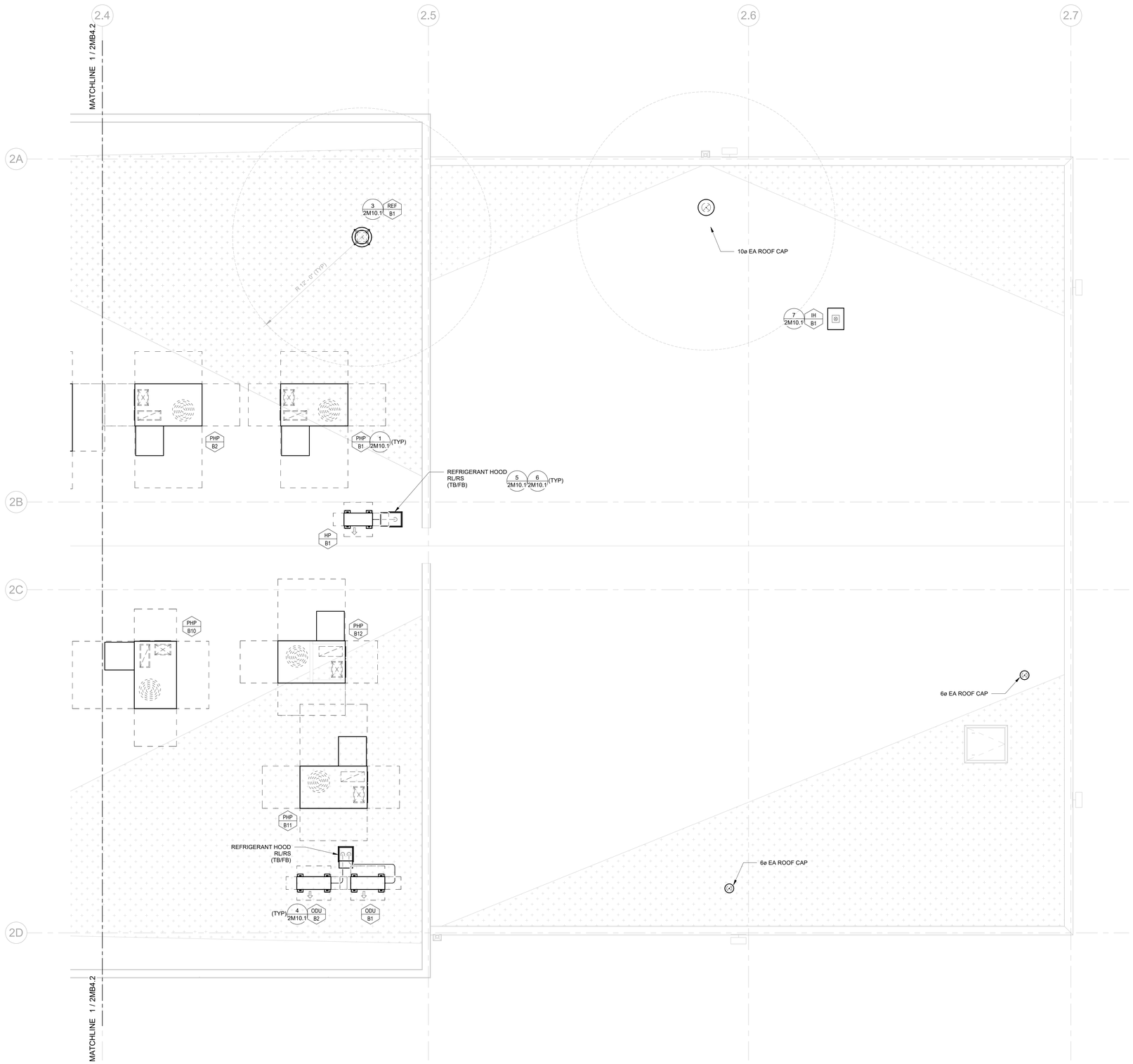

1 MECHANICAL ROOF PLAN - CLASSROOM - EAST

SCALE: 1/4" = 1'-0"

N

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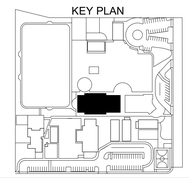
KEY PLAN



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MECHANICAL ROOF PLAN CLASSROOM - EAST

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2MB4.1
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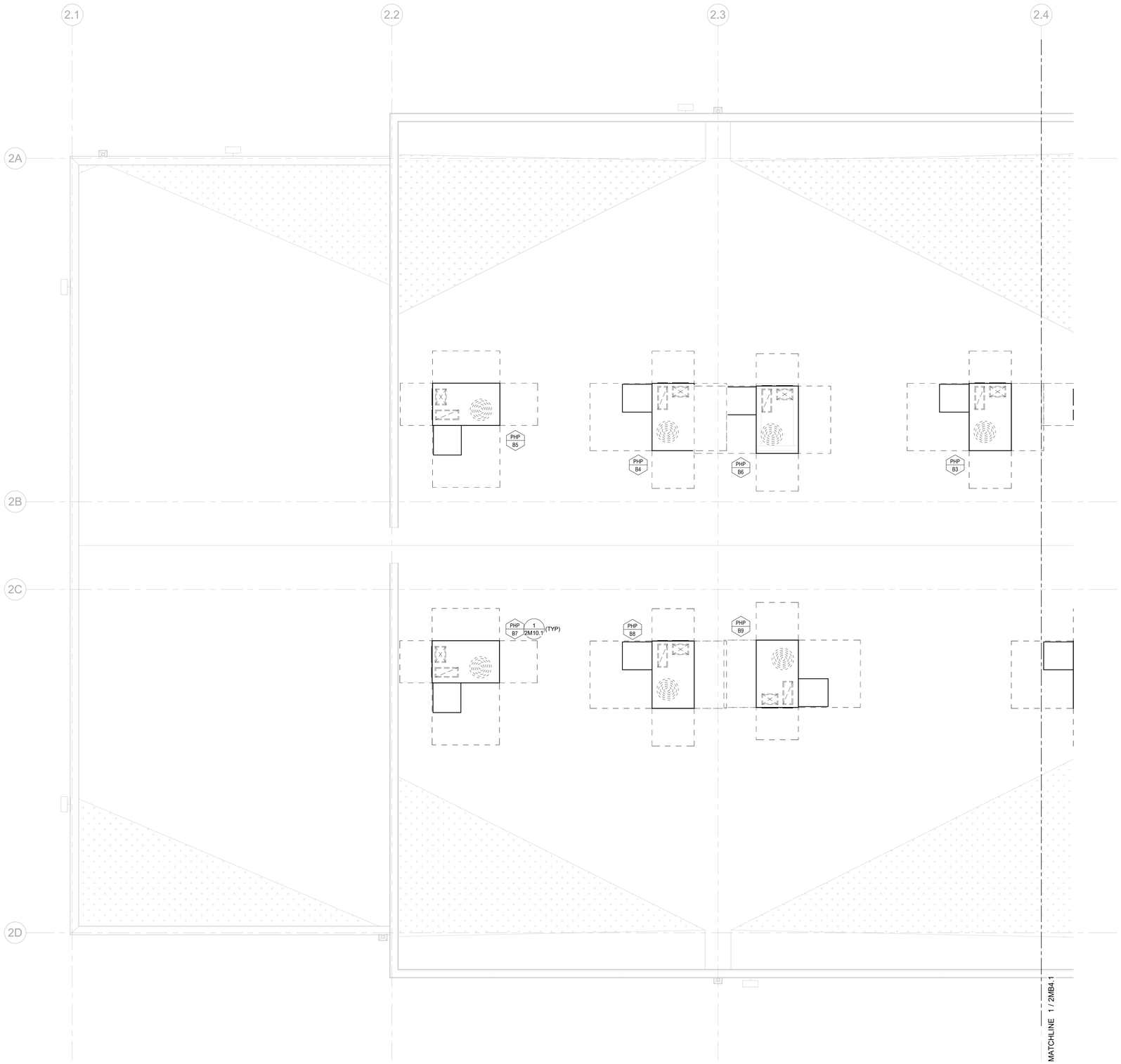

1 **MECHANICAL ROOF PLAN - CLASSROOM - WEST**
SCALE: 1/4" = 1'-0"

PRINT DATE: 7/10/2026 9:13:34 AM
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APP: 02-123800 INC: 02
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DATE: 07/31/2026

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Job #: 25-2132

ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M 34661 REN 12-31-26 MECHANICAL STATE OF CALIFORNIA

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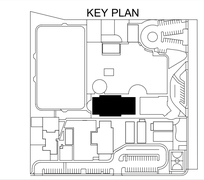
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



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RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

MECHANICAL ROOF PLAN
CLASSROOM - WEST

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2MB4.2
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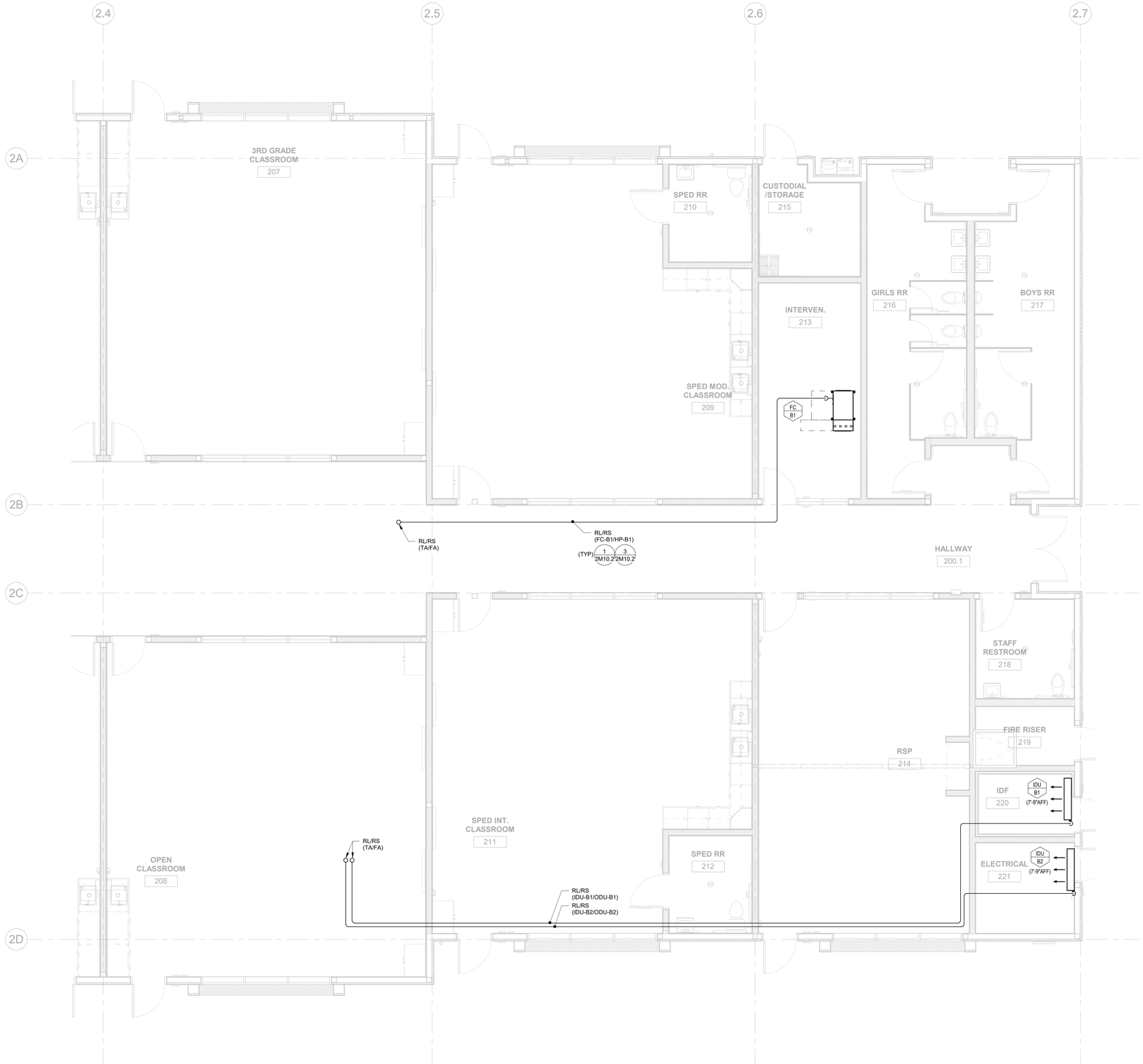
GENERAL NOTES

A. PIPING SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL DEVELOP AND SUBMIT FINAL PIPING AND WIRING DIAGRAMS BASED ON ACTUAL EQUIPMENT LOCATIONS AND ROUTING.



1 MECHANICAL PIPING FLOOR PLAN - CLASSROOM - EAST

SCALE: 1/4" = 1'-0"

N

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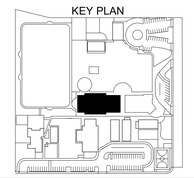
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



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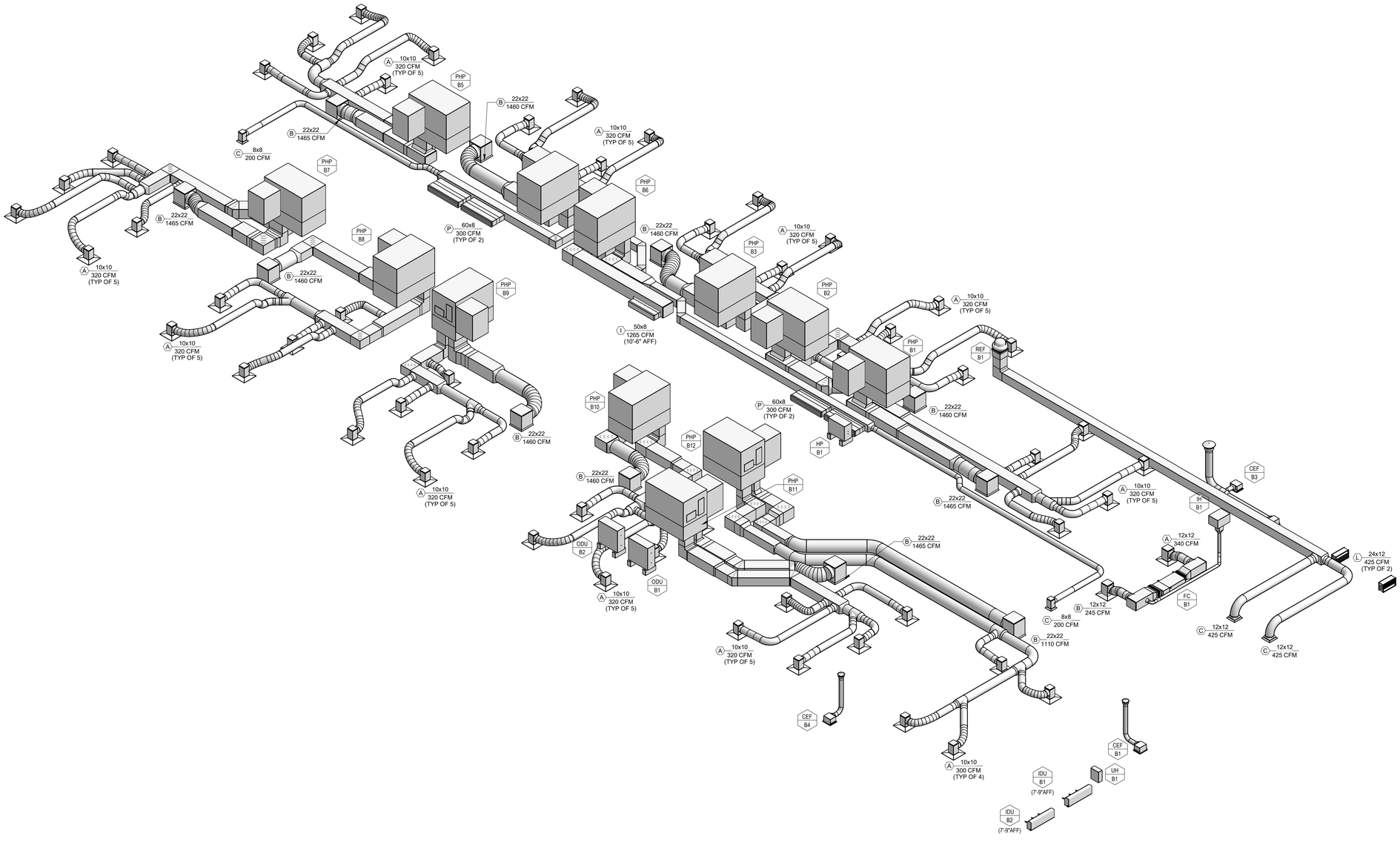
MECHANICAL PIPING FLOOR PLAN CLASSROOM - EAST

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2MB5.1
Drawn / Author	Checked / Checker



1 MECHANICAL ISOMETRIC - CLASSROOM

SCALE:

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NO.	REMARKS	DATE

DRAWING STATUS

	DATE
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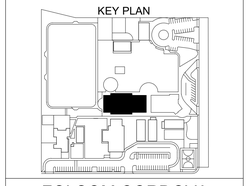
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



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MECHANICAL ISOMETRIC CLASSROOM

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2MB7.1
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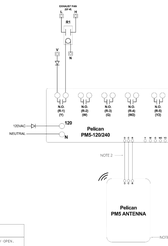
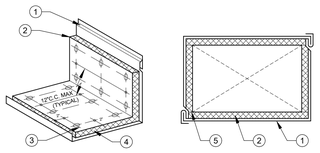
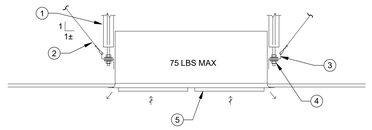
EXHAUST FAN ON SCHEDULE (TYPICAL OF 2)



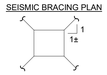
1. GALVANIZED SHEET METAL DUCT.
2. 1" THICK ACOUSTIC DUCT LINER, LINER TO BE ADHERED TO DUCT. w/ 100% ADHESIVE (MIRACLE PF96)
3. NOT MORE THAN 2" FROM LEDGE OF DUCT LINER.
4. ALL ENDS OF LINER TO BE COATED WITH ADHESIVE. (MIRACLE PF96). ENDS OF LINER SHALL BE BUTTED FIRMLY TOGETHER.
5. TOP AND BOTTOM SECTIONS OF LINER SHALL OVERLAP THE SIDES.


1
2
3
4
5
2"
2"
2"

1. 3/8"Ø THREADED ROD WITH UNISTRUT P1000T CHANNEL STIFFENER, TYP 4 AT EACH CORNER. PROVIDE CHANNEL WITH 3/8"Ø BOLTS AT 10" MAX O.C. SEE DETAIL 1/M10.2 FOR CONTINUATION.
2. 12 GA SLACK WIRE, TYP 4, (4) TIGHT TURNS WITH 1-1/2", TYP AT EACH END. SEE DETAIL 1/M10.2 FOR CONTINUATION
3. 3"x2"x2" WIDE 16 GA ANGLE, TYP
4. LOCKNUT, TYP
5. CEILING CASSETTE AC UNIT SEE SCHEDULES

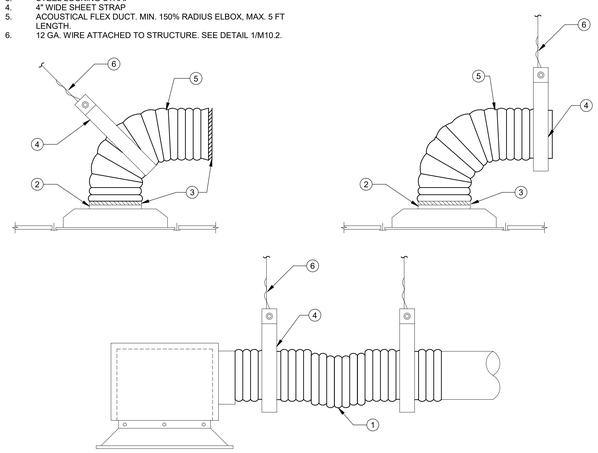


SEISMIC BRACING PLAN



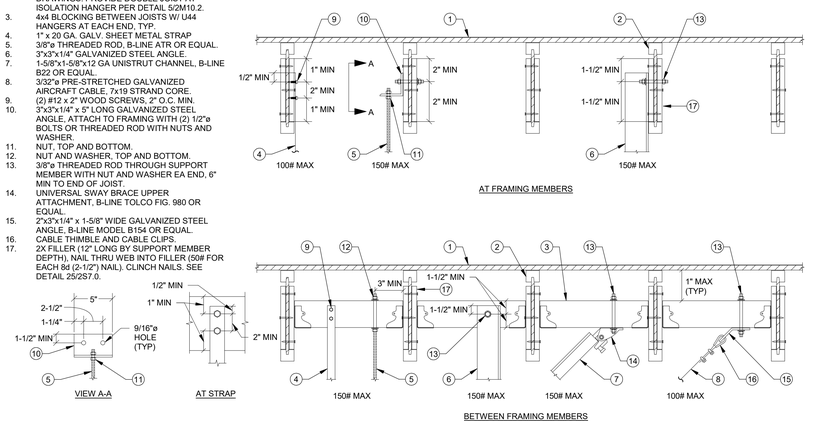
CASSETTE INDOOR UNIT MOUNTING — NTS — 7

1. SAG SHALL BE NO MORE THAN 1-1/2"
2. ADAPTER WHERE REQUIRED
3. STEEL LOCKING STRAP
4. 4" WIDE SHEET STRAP
5. ACOUSTICAL FLEX DUCT. MIN. 150% RADIUS ELBOX, MAX. 5 FT LENGTH.
6. 12 GA. WIRE ATTACHED TO STRUCTURE. SEE DETAIL 1/M10.2.



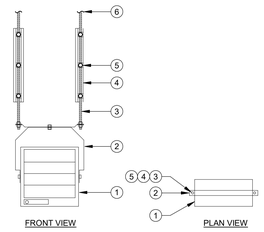
FLEX DUCT SUPPORT — NTS — 4

1. FLOOR/ROOF, SEE STRUCTURAL DRAWINGS.
2. FLOOR/ROOF FRAMING, SEE STRUCTURAL DRAWINGS. PROVIDE DOUBLE JOIST AT ISOLATION HANGER PER DETAIL 5/2M10.2.
3. 4x4 BLOCKING BETWEEN JOISTS W/ U44 HANGERS AT EACH END, TYP.
4. 1" x 20 GA. GALV. SHEET METAL STRAP
5. 3/8"ø THREADED ROD, B-LINE ATR OR EQUAL.
6. 3"x3"x1/4" GALVANIZED STEEL ANGLE.
7. 1-5/8"x1-5/8"x12 GA UNISTRUT CHANNEL, B-LINE B22 OR EQUAL.
8. 3/32"ø PRE-STRETCHED GALVANIZED AIRCRAFT CABLE, 7x19 STRAND CORE.
9. (2) #12 x 2" WOOD SCREWS, 2" O.C. MIN.
10. 3"x3"x1/4" x 5" LONG GALVANIZED STEEL ANGLE, ATTACH TO FRAMING WITH (2) 1/2"ø BOLTS OR THREADED ROD WITH NUTS AND WASHER.
11. NUT, TOP AND BOTTOM.
12. NUT AND WASHER, TOP AND BOTTOM.
13. 3/8"ø THREADED ROD THROUGH SUPPORT MEMBER WITH NUT AND WASHER EA END, 6" MIN TO END OF JOIST.
14. UNIVERSAL SWAY BRACE UPPER ATTACHMENT, B-LINE TOLCO FIG. 980 OR EQUAL.
15. 2"x3"x1/4" x 1-5/8" WIDE GALVANIZED STEEL ANGLE, B-LINE MODEL B154 OR EQUAL.
16. CABLE THIMBLE AND CABLE CLIPS.
17. 2X FILLER (12" LONG BY SUPPORT MEMBER DEPTH), NAIL THRU WEB INTO FILLER (50# FOR EACH 8d (2-1/2") NAIL). CLINCH NAILS. SEE DETAIL 2S/2S7.0.



HANGER AND BRACE UPPER ATTACHMENTS — NTS — 1

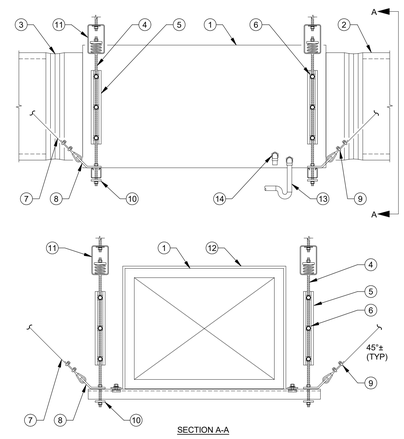
1. HEATER UNIT, SEE SCHEDULE.
2. MOUNTING BRACKET SUPPLIED WITH HEATER UNIT.
3. 3/8"ø THREADED ROD, B-LINE ATR OR EQUAL.
4. 1-5/8"x1-5/8"x12 GA UNISTRUT CHANNEL, B-LINE B22 OR EQUAL.
5. ROD STIFFENER, B-LINE TOLCO MODEL 98B OR EQUAL, MIN. 1" FROM TOP AND BOTTOM OF UNISTRUT AND MAX. 28" O.C., TORQUE TO 10 FT-LBS.
6. SEE DETAIL x/Mxxx FOR UPPER ATTACHMENT.



NOTE:
A. INSTALL HEATER UNIT PER MANUFACTURER'S RECOMMENDATIONS.
B. COORDINATE REQUIRED SERVICE CLEARANCES AND ALL MANUFACTURER'S RECOMMENDED CLEARANCES FROM COMBUSTIBLES.
C. PROVIDE ROD STIFFENERS ONLY WHERE ROD LENGTH FROM SEISMIC BRACING TO UPPER ATTACHMENT EXCEEDS 18".

UNIT HEATER SUPPORT — NTS — 8

1. FURNACE/FAN COIL UNIT, SEE SCHEDULES.
2. ACOUSTIC LINED PLENUM, SEE PLAN FOR SIZE AND ROUTING.
3. FLEXIBLE DUCT CONNECTOR, TYP.
4. 3/8"ø THREADED ROD, B-LINE ATR OR EQUAL.
5. 1-5/8"x1-5/8"x12 GA UNISTRUT CHANNEL, B-LINE B22 OR EQUAL.
6. ROD STIFFENER, B-LINE TOLCO MODEL 98B OR EQUAL, MIN. 1" FROM TOP AND BOTTOM OF UNISTRUT AND MAX. 28" O.C., TORQUE TO 10 FT-LBS.
7. 3/32"ø PRE-STRETCHED GALVANIZED AIRCRAFT CABLE, 7x19 STRAND CORE.
8. 2"x3"x1/4" X 1-5/8" WIDE GALVANIZED STEEL ANGLE, B-LINE MODEL B154 OR EQUAL.
9. CABLE THIMBLE AND CABLE CLIPS.
10. UNISTRUT CHANNEL WITH NUT, TOP AND BOTTOM, AND UNISTRUT SQUARE WASHER, B-LINE MODEL B201ZN OR EQUAL.
11. MIN. 1-1/2" STATIC DEFLECTION SPRING ISOLATOR, CALDYN SERIES HH30-ET80, OSP-0219 SIZED FOR UNIT WEIGHT.
12. 1" x 20 GA GALV. SHEET METAL STRAP WITH 3/8"ø BOLT AND UNITSTRUT WASHER EACH SIDE, (1) STRAP PER UNISTRUT CHANNEL.
13. FULL SIZE PRIMARY CONDENSATE CONNECTION FROM COIL PER MFGR'S REQUIREMENTS. PLUMBING CONTRACTOR TO ROUTE TO AN APPROVED RECEPTOR.
14. PROVIDE SONCONDARY CONDENSATE OVERFLOW SWITCH.

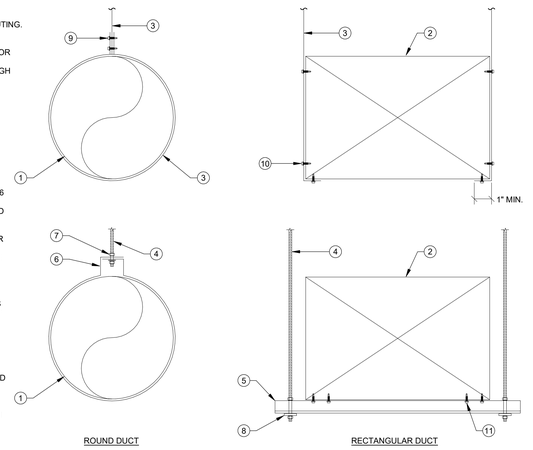


NOTES:
A. COORDINATE REQUIRED SERVICE CLEARANCES AND ACCESS FOR MAINTENANCE. PROVIDE CEILING ACCESS DOOR WHERE REQUIRED.
B. PROVIDE ROD STIFFENERS ONLY WHERE ROD LENGTH FROM SEISMIC BRACING TO UPPER ATTACHMENT EXCEEDS 18".

FAN COIL MOUNTING — NTS — 5

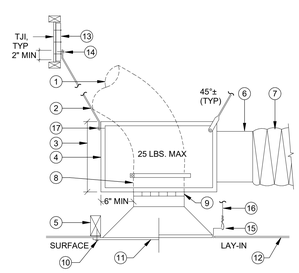
1. ROUND DUCT, SEE PLAN FOR SIZE AND ROUTING.
2. RECTANGULAR DUCT, SEE PLAN FOR SIZE AND ROUTING.
3. 1" x 20 GA. GALV. SHEET METAL STRAP.
4. 3/8"ø THREADED ROD, B-LINE ATR OR EQUAL.
5. 1-5/8"x1-5/8"x12 GA UNISTRUT CHANNEL, B-LINE B22 OR EQUAL.
6. 1" x 20 GA GALV. SHEET METAL STRAP WITH 3"x2" HIGH FLANGE.
7. NUT AND WASHER, TOP AND BOTTOM.
8. NUT, TOP AND BOTTOM WITH UNISTRUT SQUARE WASHER, B-LINE MODEL B201ZN OR EQUAL.
9. (2) #10 TEK SCREWS.
10. (3) #10 TEK SCREWS, EA SIDE.
11. (2) #10 TEK SCREWS, EA SIDE.

NOTES:
A. HANGER SPACING TO BE AT MAXIMUM 8FT O.C.
B. DUCTWORK WITH A CROSS-SECTIONAL AREA OF LESS THAN 6 SQUARE FEET AND WEIGHT OF 20 LB/FT OR LESS DO NOT REQUIRE SEISMIC BRACING PER CBC SECTION 1617A.1.25 AND ASCE 7, SECTION 13.6.6 (EXCEPTION 2).
C. PROVISIONS SHALL BE MADE TO AVOID IMPACT WITH OTHER MECHANICAL COMPONENTS OR STRUCTURAL ELEMENTS PER DSA IR 16-13.
   a. PER IR 16-13 3.5 AND DETAIL B-1.0 IN APPENDIX B: THE SEPARATION DISTANCE BETWEEN THE UNBRACED COMPONENT AND BRACED ELEMENTS OR COMPONENTS SHALL BE BASED ON A MINIMUM HORIZONTAL DISTANCE OF 12 INCHES. WHEN ADJACENT COMPONENTS ARE ALSO UNBRACED, THIS SEPARATION SHALL BE INCREASED TO A MINIMUM OF 18 INCHES.
D. SINGLE DUCT BRACING EXEMPT PER IR 16-13-3.3.1
   a. VERTICAL SUPPORT IS 3/8" OR 1/2" DIAMETER RODS.
   b. EACH ROD DOES NOT EXCEED 12" IN LENGTH FROM THE DUCT SUPPORT POINT TO THE STRUCTURE ATTACHMENT POINT.
   c. THE TOTAL WEIGHT TO ANY SINGLE ROD IS 50 LBS AND LESS.
E. TRAPEZE BRACING EXEMPT PER IR 16-13-3.3.2
   a. VERTICAL SUPPORT IS 3/8" DIAMETER.
   b. ROOF HANGER DOES NOT EXCEED 12" LENGTH FROM THE DUCT SUPPORT POINT TO THE STRUCTURE ATTACHMENT POINT.
   c. THE TOTAL WEIGHT AT ANY TRAPEZE IS LESS THAN 100 LBS AND LESS THAT 10 LBS PER FOOT.



DUCT HANGERS (<6 SF & <=20 PLF) — NTS — 2

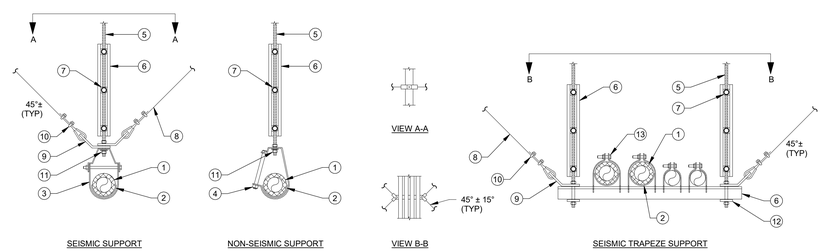
1. ¢ OF ELBOW RADIUS MINIMUM 150% OF DUCT DIAMETER.
2. SUPPORT W/(4) 1-1/2 x 24 GA SHEET METAL STRAPS. SECURE STRAPS TO PLENUM & STRUCTURE ABOVE.
3. (BRANCH SIZE + 2") X (NECK SIZE +2")
4. CUSHIONHEAD BOX WITH MINIMUM 1" ACOUSTIC LINING.
5. 2x WOOD BLOCKING OR NAILER.
6. METAL SLEEVE OR SPIN-IN FITTING.
7. INSULATED FLEXIBLE AIR DUCT, SEE MECHANICAL PLAN FOR SIZE.
8. TRANSITION (AS REQUIRED).
9. AIR CONTROL GRID SET AT 90° TO AIR STREAM OR PLANE OF ELBOW. (WHERE APPLICABLE)
10. REGISTER SCREW, SECURE PER DIFFUSER MNFG. REQUIREMENTS.
11. TYPICAL SQUARE NECK SUPPLY, RETURN OR EXHAUST AIR DIFFUSER.
12. FINISHED CEILING, SEE ARCH. DRAWINGS.
13. WEB STIFFENER PER 8/2S4.0.
14. 1/4"øx1-1/4" LAG BOLT, @ 1" O.C. TYP. 2.
15. 90° ANGLE BRACKET WITH (2) HOLES, ATTACH TO LAY-IN DIFFUSER/GRILLE WITH #12x3/4" SM SCREW. PROVIDE #10 SCREWS TO CEILING RUNNER, (2) EACH SIDE MIN.
16. (1) 12 GA. WIRE PER IR 25.2. SECTION 1.8.2, ATTACHED TO STRUCTURE , WITH 1/4"ø EYE BOLT WITH 1-1/2" MIN PENETRATION INTO 2x RAFTERS ABOVE.
17. #12x3/4" SM SCREW (TYP).



NOTES:
A. WHERE FULL 150% ¢ RADIUS IS NOT POSSIBLE. THE CUSHIONHEAD IS REQ'D.
B. VERIFY CEILING TYPE, PROVIDE APPROPRIATE DIFFUSER FRAME & INSTALLATION.

DIFFUSER / GRILLE MOUNTING — NTS — 6

1. PIPE, SEE PLAN FOR SIZE AND ROUTING.
2. PIPE INSULATION WHERE APPLICABLE, SEE SPECIFICATIONS. PROVIDE INSULATION PROTECTION SADDLE, MIN. 12" LONG, B-LINE B3151 OR EQUAL. MAY BE SUBSTITUTED FOR PRE-INSULATED CALCIUM SILICATE SHIELD SUPPORT, B-LINE B338 OR EQUAL.
3. STANDARD CLEVIS PIPE HANGER, COATED OR PLATED TO ISOLATE HANGER FROM DISSIMILAR METAL PIPING, B-LINE B3100 OR EQUAL.
4. ADJUSTABLE 'J' PIPE HANGER, COATED OR PLATED TO ISOLATE HANGER FROM DISSIMILAR METAL PIPING, B-LINE B3690 OR EQUAL.
5. 3/8"ø THREADED ROD, B-LINE ATR OR EQUAL.
6. 1-5/8"x1-5/8"x12 GA UNISTRUT CHANNEL, B-LINE B22 OR EQUAL.
7. ROD STIFFENER, B-LINE TOLCO MODEL 98B OR EQUAL, MIN. 1" FROM TOP AND BOTTOM OF UNISTRUT AND MAX. 28" O.C., TORQUE TO 10 FT-LBS.
8. 3/32"ø PRE-STRETCHED GALVANIZED AIRCRAFT CABLE, 7x19 STRAND CORE.
9. 2"x3"x1/4" X 1-5/8" WIDE GALVANIZED STEEL ANGLE, B-LINE MODEL B154 OR EQUAL.
10. CABLE THIMBLE AND CABLE CLIPS.
11. NUT AND WASHER, TOP AND BOTTOM.
12. NUT, TOP AND BOTTOM WITH UNISTRUT SQUARE WASHER, B-LINE MODEL B201ZN OR EQUAL.
13. PIPE CLAMP, B-LINE SERIES B2000 OR EQUAL.



NOTES:
A. HANGER SPACING TO BE PER SPECIFICATIONS. MAXIMUM SPACING MAY NOT EXCEED 2022 CPC TABLE 313.3.
B. PROVIDE ROD STIFFENERS ONLY WHERE ROD LENGTH FROM SEISMIC BRACING TO UPPER ATTACHMENT EXCEEDS 18".
C. SEISMIC RESTRAINTS ARE NOT REQUIRED FOR 3/4" AND SMALLER GAS PIPING, AND FOR ALL OTHER PIPING 2" AND SMALLER.
D. SEISMIC RESTRAINTS ARE NOT REQUIRED FOR ALL PIPING SUSPENDED BY INDIVIDUAL HANGERS 12" OR LESS IN LENGTH FROM TOP OF PIPE TO BOTTOM OF ATTACHMENT TO STRUCTURE.

PIPE HANGER DETAIL — NTS — 3

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	REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M 34661 REN 12-31-26 MECHANICAL STATE OF CALIFORNIA

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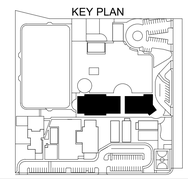
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

MECHANICAL DETAILS

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2M10.2
Drawn / Checked	
Author / Checker	

System No. W-L-8142

WL 8142

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400, V400 or W400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs —Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 3-5/8 in. (92 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — The gypsum board type, thickness number of layers, fastener type and sheet orientation shall be specified in the individual Wall and Partition Design in the UL Fire Resistance Directory. Max opening size is 10 in. (254 mm) by 3 in. (76 mm).

The T, FT and FTH Ratings are 0 and 1/4 hr for 1 and 2 hr rated assemblies, respectively.

2. Air Conditioning (AC) Line Set —One or more AC line sets installed eccentrically or concentrically within opening. Each AC line set consists of two pipes or tubes (Item 2A), tubing insulation (Item 2B) and a thermostat cable (Item 2C). The space between the AC line sets shall be min 1/2 in. (13 mm) to max 3/4 in. (19 mm). The space between the AC line sets and the periphery of the opening shall be min 0 in. (point contact) to max 1-1/2 in. (38 mm) to one side of opening.

2A. Through Penetrants — A max of two pipes or tubes to be installed in each AC line set. Of the two pipes or tubes, only one may have a nom diam greater than 1/2 in. (13 mm) Annular space between pipes or tubing and periphery of opening shall be min 0 in. (point contact) to max 1-1/2 in. (38 mm). Pipes or tubing to be rigidly supported on both sides of the wall assembly. The following types and sizes of through penetrants may be used:
   1. Copper Tube — Nom 1 in. (25 mm) diam (or smaller) Type L (or heavier) copper tube.
   2. Copper Pipe — Nom 1 in. (25 mm) diam (or smaller) Regular (or heavier) copper pipe.

2B. Tube Insulation — Plastics+ — Max 3/4 in. (19 mm) thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing. The tube insulation may be installed on one max 1/2 in. (13 mm) diam pipe or tube in each AC line set. The annular space between the penetrating item and the periphery of the opening shall be min 0 in. (point contact) to max 3/4 in. (19 mm). The space between the pipes or tubing within each AC line set shall be 0 in. (point contact).
See Plastics+ (QMFZ2) category in the Plastics Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.

2C. Cables — Max of one 4 pair No. 18 AWG (or smaller) cable with PVC insulation and jacket materials.

3. Fill, Void or Cavity Material - Sealant* —Min 5/8 in. (16 mm) thickness of fill material applied within annulus between penetrants and gypsum board, flush with both surfaces of wall. At point contact, a 1/2 in. (5 mm) bead of fill material shall be applied at the penetrant/gypsum board interface on both sides of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

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Page: 2 of 2

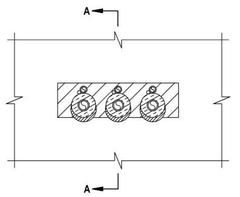
System No. W-L-8142

WL 8142

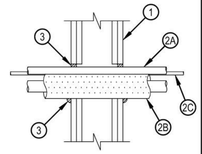
Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating – 1 and 2 Hr	F Rating – 1 and 2 Hr
T Ratings – 0 and 1/4 Hr (See Item 1)	FT Ratings – 0 and 1/4 Hr (See Item 1)
L Rating at Ambient — Less Than 1 CFM/Sq Ft	FH Rating – 1 and 2 Hr
L Rating at 400°F — Less Than 1 CFM/Sq Ft	FTH Ratings – 0 and 1/4 Hr (See Item 1)
	L Rating At Ambient — Less Than 5.1 L/s/m²
	L Rating At 204°C — Less Than 5.1 L/s/m²

FRONT VIEW



SECTION A-A



Hilti Firestop Systems

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Page: 1 of 2

System No. W-L-7155

WL 7155

2A1. Through-Pentrating Product* — As an alterate to Item 2. Fiber cement with galvanized steel facing, 3/8 in (10 mm) thick composite metallic duct, with a max cross-sectional area of 43.0 sq ft, (4 m2) and a max individual dimension of 78 3/4 in. (2 m). Duct to be installed either concentrically or eccentrically within the firestop system such that the annular space is min 0 in. (point contact) to max 2 in. (51 mm). Duct to be rigidly supported on both sides of wall assembly. Refer to Ventilation Duct Assemblies in Vol. 2 of the Fire Resistance Directory.
DURASYSTEMS BARRIERS INC — Type DuraDuct HP.

2A2. Through-Pentrating Product* — As an alternate to Item 2. Fiber cement with galvanized steel facing, 1/4 in. (6 mm) thick, with a max cross-sectional area of 1764 sq in. (1.14 m2), and a max individual dimension of 42 in. (1067 mm). Duct to be installed either concentrically or eccentrically within the firestop system such that the annular space is min 0 in. (point contact) to max 2 in. (51 mm). Duct to be rigidly supported on both sides of wall assembly and installed in accordance. Refer to Ventilation Duct Assemblies in Vol. 2 of the Fire Resistance Directory.
DURASYSTEMS BARRIERS INC — Type DuraDuct SD.

2A3. Through-Pentrating Product* — As an alternate to Item 2. Galvanized steel faced duct panel, with a max cross-sectional area of 2450 sq in. (1.58 m2), and a max individual dimension of 49-1/2 in. (1258 mm) Duct to be installed either concentrically or eccentrically within the firestop system such that the annular space is min 0 in. (point contact) to max 2 in. (51 mm). Duct to be rigidly supported on both sides wall assembly. Refer to Ventilation Duct Assemblies in Vol. 2 of the Fire Resistance Directory.
DURASYSTEMS BARRIERS INC — Type DuraDuct GNX.

3 Firestop System — The firestop system shall consist of the following:
   A. Packing Material — (Optional, Not Shown) — Polyethylene backer rod, mineral wool batt insulation or fiberglass batt insulation friction fitted into annular space. Packing material to be recessed from both surfaces of wall to accommodate the required thickness of fill material.
   A1. Packing Material — Required as specified in Table below. Min 3-3/4 in. (95 mm) or 5 in. (127 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form for 1 and 2 hr rated assemblies, respectively. Packing material to be recessed from both surfaces of wall to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. Min 1/4 in. (6 mm) diam bead of fill material shall be applied at the point contact location between the steel duct and the gypsum board.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CFS-S SIL GG Sealant, FS-ONE Sealant, FS-ONE MAX Intumescent Sealant or CP606 Flexible Firestop Sealant
   C. Steel Retaining Angles — Min No. 16 gauge galv steel angles sized to lap steel duct a min of 2 in. (51 mm) and to lap wall surfaces a min of 1 in. (25 mm). When max duct dimension does not exceed 48 in. (122 cm) and duct area does not exceed 1300 in2 (8387 cm2), angles may be min No. 18 gauge galv steel. Angles attached to steel duct on both sides of wall with min No. 10 by 1/2 in. (13 mm) long steel sheet metal screws located a max of 1 in. (25 mm) from each end of steel duct and spaced a max of 6 in. (152 mm) OC. Steel angles are optional for those sides of duct that do not exceed the dimension specified in Table below, dependent on packing material, sealant and annular space as specified.

Max Duct Dimension	Duct Thickness	Annular Space	Packing Material	Angle (Item 3C) Required
24 in. (610 mm)	24 ga or heavier	1/2 in. min to 1 in. max (13 to 25 mm)	Item 3A1	No

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

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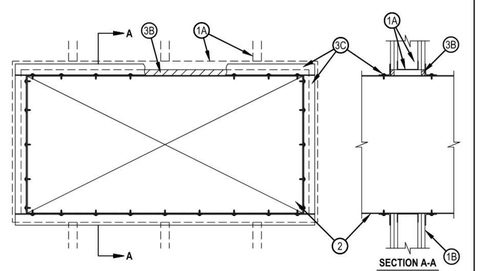
Page: 2 of 2

System No. W-L-7155

WL 7155

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)
T Ratings — 0 Hr	FT Ratings — 0 Hr
L Rating at Ambient — Less Than 1 CFM/sq ft	FH Ratings — 1 and 2 Hr (See Item 1)
L Rating at 400 F — Less Than 1 CFM/sq ft	FTH Ratings — 0 Hr
	L Rating at Ambient — Less Than 1 CFM/sq ft
	L Rating at 400 F — Less Than 1 CFM/sq ft



SECTION A-A

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400, V400 or W400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing shall consist of min 3-1/2 in. (89 mm) wide steel channel studs spaced max 24 in. (610 mm) OC. Additional steel studs shall be used to completely frame the opening.
   B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (1.22 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory. Max area of opening is 73.7 sq ft (6.85 m2) with a max dimension of 104 in. (2.64 m).
   The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. Steel Duct — Max 100 in. by 100 in. (2.5 by 2.5 m) galv steel duct to be installed either concentrically or eccentrically within the firestop system. The duct shall be constructed and reinforced in accordance with SMACNA construction standards. The space between the steel duct and periphery of opening shall be min 0 in. (point contact) to max 2 in. (51 mm). Steel duct to be rigidly supported on both sides of the wall assembly.

Hilti Firestop Systems

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○ CONSTRUCTION	

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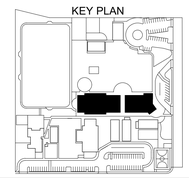

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CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
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MECHANICAL DETAILS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
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PLUMBING EQUIPMENT SCHEDULE PH1

TYPE	MARK	FIXTURE	S or W	V	CW	HW	DESCRIPTION
CP	A1	CIRCULATION PUMP	---	---	---	3/4"	BELL & GOSSETT MODEL ECOCIRC XL 20-35, IN-LINE WET ROTOR CIRCULATION PUMP WITH LEAD-FREE BRONZE BODY, UNION CONNECTION, 5 GPM FLOW AT 10 FT TDH, 1/12 HP, 1.3 FLA, 115V/1ø ELECTRICAL SERVICE. UL LISTED TO UL 778; UL 1004-1, 1004-7; and UL 60730-1. OPERATING WEIGHT 25 LBS.
CP	B1	CIRCULATION PUMP	---	---	---	3/4"	BELL & GOSSETT MODEL ECOCIRC XL 20-35, IN-LINE WET ROTOR CIRCULATION PUMP WITH LEAD-FREE BRONZE BODY, UNION CONNECTION, 5 GPM FLOW AT 10 FT TDH, 1/12 HP, 1.3 FLA, 115V/1ø ELECTRICAL SERVICE. UL LISTED TO UL 778; UL 1004-1, 1004-7; and UL 60730-1. OPERATING WEIGHT 25 LBS.
ET	A1	EXPANSION TANK	---	---	3/4"	---	BELL & GOSSETT MODEL PT-5, STEEL SHELL, BUTYL DIAPHRAGM TYPE EXPANSION TANK PRE-CHARGED TO 40 PSI WITH 2.0 GALLON TANK CAPACITY, 0.9 GALLON ACCEPTANCE CAPACITY. OPERATING WEIGHT 13 LBS.
ET	B1	EXPANSION TANK	---	---	3/4"	---	BELL & GOSSETT MODEL PT-5, STEEL SHELL, BUTYL DIAPHRAGM TYPE EXPANSION TANK PRE-CHARGED TO 40 PSI WITH 2.0 GALLON TANK CAPACITY, 0.9 GALLON ACCEPTANCE CAPACITY. OPERATING WEIGHT 13 LBS.
TMV	A1	THERMAL MIXING VALVE	---	---	3/4"	3/4"	LEONARD MODEL TM-26-LF THERMOSTATIC MIXING VALVE, CALIF. AB 1953 COMPLIANT, 3/4" INLETS & 3/4" OUTLET, 1.0 GPM MIN FLOW CAPACITY, 13 GPM MAX FLOW CAPACITY AT 15 PSI SYSTEM DROP. SET AT 110°F. OPERATING WEIGHT 15 LBS.
TMV	B1	THERMAL MIXING VALVE	---	---	3/4"	3/4"	LEONARD MODEL TM-26-LF THERMOSTATIC MIXING VALVE, CALIF. AB 1953 COMPLIANT, 3/4" INLETS & 3/4" OUTLET, 1.0 GPM MIN FLOW CAPACITY, 13 GPM MAX FLOW CAPACITY AT 15 PSI SYSTEM DROP. SET AT 110°F. OPERATING WEIGHT 15 LBS.
WH	A1	ELECTRIC WATER HEATER	---	---	3/4"	3/4"	A.O. SMITH MODEL DEL-20, STORAGE TANK TYPE, 20 GALLON CAPACITY, 30 GPH RECOVERY AT 80°F RISE. (1) 6 KW SINGLE ELEMENT OPERATION, 6 KW MAXIMUM. 208v/1ø, 28.8 FLA ELECTRICAL SERVICE. UL LISTED. OPERATING WEIGHT 350 LBS. PROVIDE WITH "HOLDRITE" QUICK STAND #50-SWHP-WM WALL MOUNT PLATFORM (600 LBS. MAX. TOTAL WEIGHT).
WH	B1	ELECTRIC WATER HEATER	---	---	3/4"	3/4"	A.O. SMITH MODEL DEN-30, STORAGE TANK TYPE, 30 GALLON CAPACITY, 23 GPH RECOVERY AT 80°F RISE. 4.5 KW NON-SIMULTANEOUS ELEMENT OPERATION, 10 KW MAXIMUM. 480v/3ø, 9.4 FLA ELECTRICAL SERVICE. UL LISTED. OPERATING WEIGHT 125 LBS.

PLUMBING FIXTURE SCHEDULE PH1

MARK	FIXTURE	S or W	V	CW	HW	DESCRIPTION
DF-1	DRINKING FOUNTAIN (CBC ACCESS)	2"	1-1/2"	3/4"	---	ELKAY #LZOOTL8WSLK. BI-LEVEL COOLER WITH BOTTLE FILLING STATION, CHILLING CAPACITY OF 8.0 GPH, WALL MOUNT, PUSHBUTTON ACTIVATION. ELECTRICAL SUPPLY (3) WIRE RECESSED BOX DUPLEX OUTLET, 115V/60HZ, 1.0 FLA, 370 RATED WATTS, 20 AMP GFCI DEDICATED OUTLET. INSTALL PER CBC ACCESS REQUIREMENTS.
DF-2	DRINKING FOUNTAIN (CBC ACCESS)	2"	1-1/2	3/4"	---	ELKAY #VRCTLDDMWSK, VANDAL RESISTANT BI-LEVEL DRINKING FOUNTAIN WITH BOTTLE FILLING STATION, 316 STAINLESS STEEL, WALL MOUNT, PUSHBUTTON ACTIVATION. INSTALL PER CBC ACCESSABLITY REQUIREMENTS.
FD-1	FLOOR DRAIN	2"	1-1/2"	TP	---	WATTS #FD-100-A, 5" DIAMETER NICKEL BRONZE TOP WITH 2" PIPE, FLANGE AND SEEPAGE PAN. PROVIDE TRAP PRIMER CONNECTION.
HB-1	HOSE BIBB	---	----	3/4"	---	"WOODFORD" #B79, WALL HYDRANT BOX WITH DOOR, VACUUM BREAKER, TEE-KEY HANDLE, ROUGH BRASS. MOUNT AT 12" AFG/AFF.
HB-2	ROOF HYDRANT	---	---	1"	---	"WOODFORD" #SRH-MS, FREEZELESS ROOF HYDRANT WITH MOUNTING SYSTEM, VACUUM BREAKER, NO DRAIN REQUIRED.
JS-1	JANITOR'S SINK	3"	2"	3/4"	3/4"	ADVANCE TABCO #9-OP-24FM-SSRL, SLUSH-MOUNT STAINLESS STEEL MOP SINK, BACK-SPLASH ON LEFT, RIGHT, AND REAR. PROVIDE WITH REMOVABLE STAINLESS STEEL "SUBWAY STYLE" GRATING (GRATING TO BE IN TWO SECTIONS FOR EASY REMOVAL). PROVIDE WITH 3" DRAIN WITHOUT DRAINER BASKET. PROVIDE WITH 2 FAUCETS AS FOLLOWS: FAUCET 1: CHICAGO MODEL 897-CP WALL MOUNTED FAUCET. FAUCET TO HAVE INTEGRAL PAIL HOOK AND WALL SUPPORT. MOUNT AT 36" AFF AND PROVIDE WITH 5'-0" HOSE. FAUCET 2: CHICAGO MODEL 512-GC90L4BCP WALL MOUNTED FAUCET WITH PRE-RINSE FITTING. FAUCET TO HAVE 58" FLEXIBLE STAINLESS STEEL HOSE WITH 1.0 GPM PRE-RINSE SPRAY FITTING.
L-1	LAVATORY (CBC ACCESS)	2"	1-1/2"	1/2"	---	KOHLER #K-2007, KINGSTON BASIN, WHITE FINISH VITREOUS CHINA, WALL HUNG. CHICAGO FAUCET #3500-E35VPABCP METERING FAUCETS, 0.35 GPM OUTLET, POLISHED CHROME FINISH COLOR, VANDAL PROOF METERING PUSH HANDLE. MCGUIRE #155WC OFFSET OPEN GRID DRAIN. MCGUIRE 'PROWRAP' #PW2000WC SANITARY COVERING. WATTS #WCA-411, BASIN CARRIER. LEAD-FREE 1/4 TURN ANGLE STOPS. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHT. ALL WATER SUPPLY TUBING, FIXTURES AND APPURTENANCES TO BE CA AB-1953 COMPLIANT.
L-2	LAVATORY (CBC ACCESS)	2"	1-1/2"	1/2"	1/2"	KOHLER #K-2005, KINGSTON BASIN, WHITE FINISH VITREOUS CHINA, WALL HUNG. KOHLER #K-15240NDRA, 4" FIXED CENTERS, TWO-HANDLE CENTERSET BATHROOM SINK FAUCET WITH 0.5 GPM VANDAL-RESISTANT AERATOR. MCGUIRE #155WC OFFSET OPEN GRID DRAIN. MCGUIRE 'PROWRAP' #PW2000WC SANITARY COVERING. WATTS #WCA-411, BASIN CARRIER. LEAD-FREE 1/4 TURN ANGLE STOPS. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHT. ALL WATER SUPPLY TUBING, FIXTURES AND APPURTENANCES TO BE CA AB-1953 COMPLIANT.
S-1	SINK (CBC ACCESS)	2"	1-1/2"	1/2"	---	ELKAY # DRKADQ251755, COUNTERTOP MOUNT SINK, 25"x17"x6-1/2", 304 STAINLESS STEEL, SINGLE BOWL, REAR CENTER DRAIN, 2LM HOLE DRILLING. PROVIDE WITH ELKAY #LKD2065.13LC FAUCET, #LK35 DRAIN KIT AND #LK1141A BUBBLER. LEAD-FREE 1/4 TURN ANGLE STOPS. INSTALL PER CBC ACCESSIBILITY REQUIREMENTS. ALL WATER SUPPLY TUBING, FIXTURES AND APPURTENANCES TO BE CA AB-1953 COMPLIANT.
S-2	SINK (CBC ACCESS)	2"	1-1/2"	1/2"	1/2"	ELKAY #LRAD312255, COUNTERTOP MOUNT SINK, 31"X22"X5-1/2", 304 STAINLESS STEEL. CENTER REAR DRAIN, 1 HOLE PUNCH FOR FAUCET AND PROVIDE W/ ADDITIONAL HOLE PUNCH FOR DISHWASHER AIR GAP. KOHLER #K-596, SINGLE-HANDLE SINK FAUCET W/ PULL DOWN SPRAY HEAD, 1.5 GPM, POLISHED CHROME FINISH COLOR. LEAD-FREE 1/4 TURN ANGLE STOPS. MOEN #GT33C, 1/3 HP GARBAGE DISPOSER, 115V/4.5 AMPS. ALL WATER SUPPLY TUBING, FIXTURES AND APPURTENANCES TO BE CA AB-1953 COMPLIANT.
S-3	SINK (CBC ACCESS)	2"	1-1/2"	1/2"	1/2"	ELKAY #LRAD191955, COUNTERTOP MOUNT SINK, 19-1/2"X19"X5-1/2", 304 STAINLESS STEEL. ELKAY #LKAD3S STRAINER BASKET AND OFFSET TAILPIECE. CHICAGO FAUCET #W4D-GN2AE35-369AB, DECK-MOUNTED MANUAL FAUCET WITH 4" CENTERS, 1.5 GPM, POLISHED CHROME FINISH. LEAD-FREE 1/4 TURN ANGLE STOPS. ALL WATER SUPPLY TUBING, FIXTURES AND APPURTENANCES TO BE CA AB-1953 COMPLIANT.
S-4	SINK (CBC ACCESS)	2"	1-1/2"	3/4"	3/4"	ELKAY # DRKADQ251755, COUNTERTOP MOUNT SINK, 25"x17"x6-1/2", 304 STAINLESS STEEL, SINGLE BOWL, REAR CENTER DRAIN, 2LM HOLE DRILLING. PROVIDE WITH ELKAY #LKD2223C FAUCET, #LK35 DRAIN KIT AND #LK1141A BUBBLER. LEAD-FREE 1/4 TURN ANGLE STOPS. INSTALL PER CBC ACCESSIBILITY REQUIREMENTS. ALL WATER SUPPLY TUBING, FIXTURES AND APPURTENANCES TO BE CA AB-1953 COMPLIANT.
SB-1	SUPPLY BOX	---	---	1/2"	---	PRECISION PLUMBING PRODUCTS, INC. #MM500PIMB. RECESSED PLASTIC WATER SUPPLY BOX WITH 1/4 TURN SHUT-OFF VALVE, WATER HAMMER ARRESTOR AND 1/2" SWEAT CONNECTION. UNIT IS AB1953 COMPLIANT.
TP-1	TRAP PRIMER	---	---	1/2"	---	PRECISION PLUMBING PRODUCTS, INC. #PR-500 PRIME-RITE. PROVIDE PPP MODEL D-1212PC WALL ACCESS PANEL, PAINT ACCESS DOOR, COLOR BY ARCHITECT.
U-1	URINAL (CBC ACCESS)	2"	1-1/2"	3/4"	---	KOHLER #K-20713-ETSS TEND URINAL, CBC ACCESS COMPLIANT WALL MOUNTED VITREOUS CHINA BOWL, LOW CONSUMPTION 0.125 GPF WITH SLOAN #ROYAL 186-0.125 HIGH EFFICIENCY MANUAL FLUSH VALVE. WATTS #CO-380-RD URINAL WALL ACCESS CLEANOUT. INSTALL PER CBC ACCESS REQUIREMENTS. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
WC-1	WATER CLOSET (CBC ACCESS AGES 9-12)	4"	2"	1-1/4	---	SLOAN #ST-2009, ELONGATED TOILET, VITREOUS CHINA, FLOOR MOUNT, 15" RIM HEIGHT. BEMIS #1055SSC, HEAVY DUTY TOILET SEAT, SOLID PLASTIC, OPEN FRONT LESS COVER, SELF-SUSTAINING CHECK HINGE. SLOAN ROYAL 111-1.28, MANUAL FLUSH VALVE, 1.28 GPF. POLISHED CHROME FINISH. INSTALL PER CBC ACCESS REQUIREMENTS.
WC-2	WATER CLOSET	4"	2"	1-1/4	---	SLOAN #ST-2009, ELONGATED TOILET, VITREOUS CHINA, FLOOR MOUNT, 15" RIM HEIGHT. BEMIS #1055SSC, HEAVY DUTY TOILET SEAT, SOLID PLASTIC, OPEN FRONT LESS COVER, SELF-SUSTAINING CHECK HINGE. SLOAN ROYAL 111-1.28, MANUAL FLUSH VALVE, 1.28 GPF. POLISHED CHROME FINISH.
WC-3	WATER CLOSET (CBC ACCESS)	4"	2"	1-1/4	---	SLOAN #ST-2029, ELONGATED TOILET, VITREOUS CHINA, FLOOR MOUNT, 17" RIM HEIGHT. BEMIS #1055SSC, HEAVY DUTY TOILET SEAT, SOLID PLASTIC, OPEN FRONT LESS COVER, SELF-SUSTAINING CHECK HINGE. SLOAN ROYAL 111-1.28, MANUAL FLUSH VALVE, 1.28 GPF. POLISHED CHROME FINISH. INSTALL PER CBC ACCESS REQUIREMENTS.
WHA-1	WATER HAMMER ARRESTER	---	---	1"	---	JR SMITH #5020, PDI SIZE 'C', HYDROTROL WATER HAMMER ARRESTOR, SUITABLE FOR CONCEALED INSTALLATION. ASSE 1010 LISTED, ANSI A112.26.1 CERTIFIED. INSTALL PER MANUFACTURER RECOMMENDATIONS.

PIPE HANGER SCHEDULE

MATERIALS	TYPES OF JOINTS	HORIZONTAL	VERTICAL
CAST-IRON HUBLESS	CAST-IRON HUBLESS	EVERY OTHER JOINT, UNLESS OVER 4 FEET THEN SUPPORT EACH JOINT; NOTES 1,2,3,4	BASE AND EACH FLOOR, NOT TO EXCEED 15 FEET
COPPER TUBE AND PIPE	SOLDERED OR BRAZED	1-1/2 INCHES AND SMALLER, 6 FEET; 2 INCHES AND LARGER, 10 FEET	EACH FLOOR, NOT TO EXCEED 10 FEET; NOTE 5
STEEL PIPE FOR GAS	THREADED OR WELDED	1/2 INCH, 6 FEET; 3/4 INCH AND 1 INCH, 8 FEET; 1-1/4 INCHES AND LARGER, 10 FEET; NOTE 7	1/2 INCH, 6 FEET; 3/4 INCH AND 1 INCH, 8 FEET; 1-1/4 INCHES AND LARGER, EVERY FLOOR; NOTE 7
SCHEDULE 40 PVC AND ABS DWV	SOLVENT CEMENTED	ALL SIZES, 4 FEET; ALLOW FOR EXPANSION EVERY 30 FEET; NOTES 3,6	BASE AND EACH FLOOR; PROVIDE MID-STORY GUIDES; PROVIDE FOR EXPANSION EVERY 30 FEET; NOTE 6
POLYPROPYLENE (PP)	FUSION WELD	1 INCH AND SMALLER, 32 INCHES; 1-1/4 INCHES AND LARGER, 4 FEET	BASE AND EACH FLOOR; PROVIDE MID-STORY GUIDES

NOTES:
1. HANGER SPACING PER CPC TABLE 313.3.
2. SEISMIC BRACING SPACING NOT TO EXCEED 24FT O.C. AND 2FT FROM CHANGES IN DIRECTION.
3. SEISMIC BRACING IS NOT REQUIRED FOR THE FOLLOWING CONDITIONS PER CBC 1617A.1.26 AND ASCE 7, SECTION 13.6.7.3 (EXCEPTION 2):
   A. PIPING CONTAINING HAZARDOUS CONTENTS (EX: NATURAL GAS, PROPANE, MEDICAL GASES) WITH AN Ip>1.0 WHERE:
      a. PIPE SIZE IS 1" OR LESS, AND
      b. PIPE IS SUPPORTED BY INDIVIDUAL HANGER NOT EXCEEDING 12", AND
      c. TOTAL WEIGHT SUPPORTED BY INDIVIDUAL HANGER IS 50 POUNDS OR LESS.
   B. ALL OTHER PIPING NOT CONTAINING HAZARDOUS CONTENTS WITH AN Ip=1.0 WHERE:
      a. PIPE SIZE IS 3" OR LESS, AND
      b. PIPE IS SUPPORTED BY INDIVIDUAL HANGER NOT EXCEEDING 12", AND
      c. TOTAL WEIGHT SUPPORTED BY INDIVIDUAL HANGER IS 50 POUNDS OR LESS.
4. SUPPORT ADJACENT TO JOINT, NOT TO EXCEED 18".
5. SUPPORT AT EACH HORIZONTAL BRANCH CONNECTION.
6. HANGERS SHALL NOT BE PLACED ON THE COUPLING.
7. SEE THE APPROPRIATE IAPMO INSTALLATION STANDARD FOR EXPANSION AND OTHER SPECIAL REQUIREMENTS.

HANGER ROD SIZING

PER 2022 CPC TABLE 313.6

PIPE AND TUBE SIZE (IN)	ROD SIZE (IN)
1/2"ø - 4"ø	3/8"ø
5"ø - 8"ø	1/2"ø
10"ø -12"ø	5/8"ø

PLUMBING SPECIFICATIONS

1. THIS CONTRACTOR SHALL COMPLY WITH ALL CODES AND REGULATIONS IN EFFECT AT THE JOB SITE, INCLUDING, BUT NOT LIMITED TO:
   A. 2022 CALIFORNIA BUILDING CODE
   B. 2022 CALIFORNIA MECHANICAL CODE
   C. 2022 CALIFORNIA PLUMBING CODE
   D. 2022 CALIFORNIA ELECTRICAL CODE
   E. 2022 CALIFORNIA GREEN BUILDING STANDARDS
   F. 2022 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS - TITLE 24
   G. NATIONAL FIRE PROTECTION ASSOCIATION
   H. CALIFORNIA STATE FIRE MARSHAL
2. DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC. DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF EQUIPMENT, PIPING, AND OTHER PLUMBING WORK. USE JUDGEMENT AND CARE TO INSTALL PLUMBING WORK TO FIT THE JOB CONDITIONS WITHIN THE BUILDING CONSTRUCTION AND FINISHES, AND TO FUNCTION PROPERLY.
3. CONTRACTOR SHALL EXAMINE THE SITE, VERIFY DIMENSIONS AND LOCATIONS WITH DRAWINGS, CHECK UTILITY CONNECTION LOCATIONS, AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND LIMITATIONS. NO EXTRAS WILL BE ALLOWED BECAUSE OF THE CONTRACTOR'S MISUNDERSTANDING OF THE AMOUNT OF WORK INVOLVED OR HIS LACK OF KNOWLEDGE OF ANY SITE CONDITION WHICH MAY AFFECT HIS WORK. ANY APPARENT VARIANCE OF THE DRAWINGS OR SPECIFICATIONS FROM THE EXISTING CONDITIONS AT THE SITE SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
4. THIS CONTRACTOR SHALL ORGANIZE HIS WORK SO THAT THE PROGRESS OF THE PLUMBING WORK WILL CONFORM TO THE PROGRESS OF THE OTHER TRADES, AND SHALL COMPLETE THE ENTIRE INSTALLATION AS SOON AS THE CONDITIONS OF THE BUILDING WILL PERMIT. ANY COST RESULTING FROM DEFECTIVE OR ILL TIMED WORK PERFORMED UNDER THIS SECTION SHALL BE BORNE BY THIS CONTRACTOR.
5. THE WORK SHALL ALSO INCLUDE THE COMPLETION OF DETAILS OF PLUMBING WORK NOT MENTIONED OR SHOWN WHICH ARE NECESSARY FOR THE SUCCESSFUL OPERATION OF PLUMBING SYSTEMS DESCRIBED ON THE DRAWINGS OR REQUIRED BY THESE SPECIFICATIONS. FURNISH AND INSTALL ANY INCIDENTAL WORK NOT SHOWN OR SPECIFIED WHICH IS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.
6. ALL MATERIALS AND EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE GUARANTEED FREE FROM ALL MECHANICAL, ELECTRICAL AND WORKMANSHIP DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ALL DAMAGED ITEMS INSTALLED UNDER THIS CONTRACT WITHOUT ADDITIONAL COST TO OWNER.
7. THE PLUMBING CONTRACTOR SHALL PROVIDE THE OWNER COPIES OF OPERATION, MAINTENANCE AND PREVENTATIVE MAINTENANCE MANUALS FOR EACH MODEL AND TYPE OF PLUMBING EQUIPMENT.
8. SUBMIT MANUFACTURER'S PRODUCT DATA INCLUDING NAME OF MANUFACTURER, TRADE NAME, MODEL, CAPACITY, OPTIONS, DIMENSIONS, WEIGHTS, INSTALLATION AND STARTUP DATA. EQUIPMENT PERFORMANCES SCHEDULED ARE MINIMUM CAPACITY, FLOW, EFFICIENCY, ETC. REQUIRED. WEIGHTS AND ELECTRICAL DATA SCHEDULED IS MAXIMUM AVAILABLE OR ALLOWABLE.
9. ALL EQUIPMENT IS TO BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER. USING ALL ACCESSORY EQUIPMENT AVAILABLE FROM THE MANUFACTURER FOR SUPPORTS, CONTROLS, ETC., TO MAKE A COMPLETE SYSTEM. ALL EQUIPMENT OR ACCESSORIES NEEDED AND NOT SHOWN OR SPECIFIED SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. ADJUST THE EQUIPMENT FOR PROPER OPERATION, CHECK ALL CONTROLS AND VERIFY THAT ALL SAFETY DEVICES ARE FUNCTIONING PROPERLY.
10. PROVIDE ACCESS DOORS WHERE ACCESS THROUGH FLOORS, WALLS OR CEILINGS IS REQUIRED TO ACCESS PLUMBING COMPONENTS OR OTHER SYSTEMS REQUIRING ACCESS FOR MAINTENANCE, TESTING OR OBSERVATION. COORDINATE THE EXACT TYPE AND LOCATION OF ACCESS DOORS TO PROVIDE PROPER ACCESS TO THE ITEM CONCEALED.
11. CHECK ALL SYSTEMS FOR LEAKS AND EXCESSIVE NOISE. CORRECT ANY DEFICIENCIES AS SOON AS DISCOVERED. OPERATE THE SYSTEMS AS A TEST AND DEMONSTRATE TO THE OWNER THAT THE SYSTEM IS FUNCTIONING PROPERLY.
12. INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS, OR CONNECTED EQUIPMENT.
13. PLUMBING EQUIPMENT AND PIPING SHALL NOT BE WITHIN ELECTRICAL OR LOW VOLTAGE EQUIPMENT DEDICATED SPACE. NO PIPING WILL BE ALLOWED ABOVE EQUIPMENT'S DEDICATED SPACE.
14. ALL EXPOSED MATERIAL SHALL BE PREPARED WITH A PRIME COAT AND THEN PAINTED, COLOR BY ARCHITECT.
15. NEW BUILDINGS 10,000 SQUARE FEET AND ABOVE TO BE COMMISSIONED PER REQUIREMENTS LISTED IN CALGREEN SECTION 5.410.2.
16. ADHESIVES, SEALANTS AND CAULKS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS LISTED IN CALGREEN SECTION 5.504.4.1.
17. FOR NEW BUILDINGS IN EXCESS OF 50,000 SQUARE FEET, OR WATER CONSUMPTION IN EXCESS OF 1,000 GAL/DAY, PROVIDE WATER SUB-METERS AS REQUIRED PER CALGREEN SECTION 5.303.1.1.
18. PLUMBING FIXTURES (WATER CLOSETS AND URINALS) AND FITTINGS (FAUCETS AND SHOWERHEADS) SHALL COMPLY WITH WATER CONSERVING REQUIREMENTS LISTED IN CALGREEN SECTION 5.303.3.
19. COORDINATE ALL NEW OR CHANGING UTILITY SERVICES WITH UTILITY PROVIDER AS SOON AS POSSIBLE. ANY COST RESULTING FROM WORK PERFORMED PRIOR TO COORDINATING WITH UTILITY COMPANY WHICH DOES NOT COMPLY WITH UTILITY COMPANY REQUIREMENTS SHALL BE BORNE BY THIS CONTRACTOR.
20. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS, FIXTURE MOUNTING HEIGHTS AND CBC ACCESSIBILITY REQUIREMENTS.

EQUIPMENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.20 & 1617A.1.23 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING AND DUCTWORK DISTRIBUTION SYSTEM BRACING NOTES

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP	MD	PP	E	
☐	☐	☒	☐	OPTION 1: PROJECT-SPECIFIC DESIGN.
☐	☐	☐	☐	OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL
☐	☐	☐	☐	OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL

PLUMBING LEGEND

SYMBOL	ITEM	ABBR.
WH 1	EQUIPMENT DESIGNATION / UNIT ABBREVIATION NUMBER	
WC-1	FIXTURE DESIGNATION / UNIT ABBREVIATION NUMBER	
1 P-1	DETAIL DESIGNATION DETAIL NUMBER SHEET NO. WHERE SHOWN	
	DOMESTIC COLD WATER	CW
	DOMESTIC HOT WATER	HW
	DOMESTIC HOT WATER RECIRC	HWR
	VENT PIPE	V
G	GAS	G
MPG	MEDIUM PRESSURE GAS	MPG
LPG	LIQUID PROPANE GAS	LPG
S	SEWER	S
GW	GREASE WASTE	GW
AV	ACID VENT	AV
AW	ACID WASTE	AW
SD	STORM DRAIN	SD
RD	ROOF DRAIN	RD
OD	OVERFLOW DRAIN	OD
C	CONDENSATE DRAIN	C
SCD	SECONDARY CONDENSATE DRAIN	SCD
T&P	TEMPERATURE & PRESSURE RELIEF	T&P
D	DRAIN	D
FS	FIRE SPRINKLER	FS
	PIPE CAP	
	PIPE RISER / DROP	(R)/(D)
	SHUT-OFF VALVE IN BOX	SOV
FCO	FLOOR CLEANOUT	FCO
COTG	CLEANOUT TO GRADE	COTG
	WALL CLEANOUT	WCO
	CLEANOUT	CO
	HOSE BIBB	HB
	OVERFLOW DRAIN OUTLET	
	BALL VALVE	BV
	GATE VALVE	GV
	CHECK VALVE	CHK.V
	MIXING VALVE	TMV
	SHUT-OFF COCK	SOC
	CIRCULATION PUMP	CP
	BALANCING VALVE	BLV
	TRAP PRIMER	TP
	PRESSURE REDUCING VALVE	PRV
	GAS PRESSURE REGULATOR	GPR
EV	AUTOMATIC EARTHQUAKE VALVE	EV
	TYPICAL	(TYP)
	VENT THRU ROOF	VTR
	UNDERGROUND	UG
	UNDER FLOOR	UF
	ABOVE CEILING	AB.C.
	TO ABOVE / BELOW	TA / TB
	FROM ABOVE / BELOW	FA / FB
	CONTINUATION	CONT.
	NEW	(N)
	EXISTING	(E)
	POINT OF DIS/CONNECTION	POD / POC
	DEMOLISHED/DEMO	

WHA SIZING

FIXTURE TYPE	FIXTURE UNITS (PER FIXTURE)
WATER CLOSET	8
URINAL	4
LAVATORY	2

PDI SIZE	FIXTURE UNITS (PER ARRESTOR)
A	1-11
B	12-32
C	33-60
D	61-113
E	114-154
F	155-330

NOTES:
1. PROVIDE WATER HAMMER ARRESTORS AS REQUIRED.
2. WATER HAMMER ARRESTOR SIZING SHALL BE THE MORE STRINGENT OF THE TABLE ABOVE AND CURRENT PDI (PLUMBING & DRAINAGE INSTITUTE) REQUIREMENTS.
3. LOCATE WATER HAMMER ARRESTORS AS CLOSE TO BRANCH PIPING AS POSSIBLE.

PLUMBING SHEET INDEX

SHEET NUMBER	SHEET NAME
2P0.1	PLUMBING LEGEND, NOTES, & SCHEDULES
2PA2.1	PLUMBING FLOOR PLAN ADMIN
2PA4.1	PLUMBING ROOF PLAN ADMIN
2PA7.1	ENLARGED PLUMBING FLOOR PLANS - ADMIN
2PA8.1	PLUMBING ISOMETRICS - ADMIN
2PB2.1	PLUMBING FLOOR PLAN CLASSROOM
2PB4.1	PLUMBING ROOF PLAN CLASSROOM
2PB7.1	ENLARGED PLUMBING FLOOR PLANS - CLASSROOM
2PB8.1	PLUMBING ISOMETRICS - CLASSROOM
2P10.1	PLUMBING DETAILS
2P10.2	PLUMBING DETAILS

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DATE: 07/31/2026

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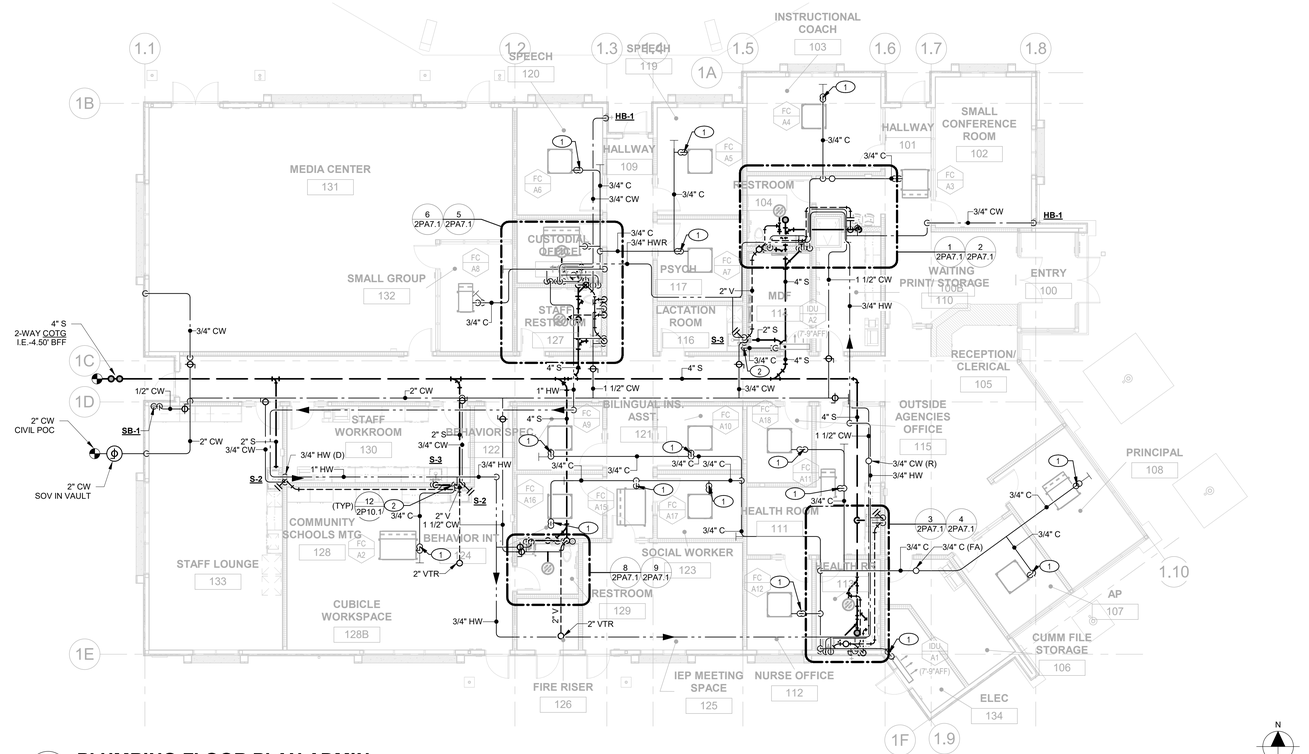
MEP & FS / Sustainability / CxA

CONSULTING ENGINEERS
1209

KEY NOTES

1 3/4" C (R) AND CONNECT TO GRAVITY LINE WITH TOP CONNECTION.
2 3/4" C (D) TO LAV/SINK TAILPIECE.



1 PLUMBING FLOOR PLAN ADMIN

SCALE: 1/8" = 1'-0"

PRINT DATE: 7/10/2026 9:02:49 AM
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ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M 34661 REN 12-31-26 MECHANICAL STATE OF CALIFORNIA

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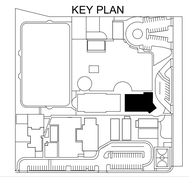
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



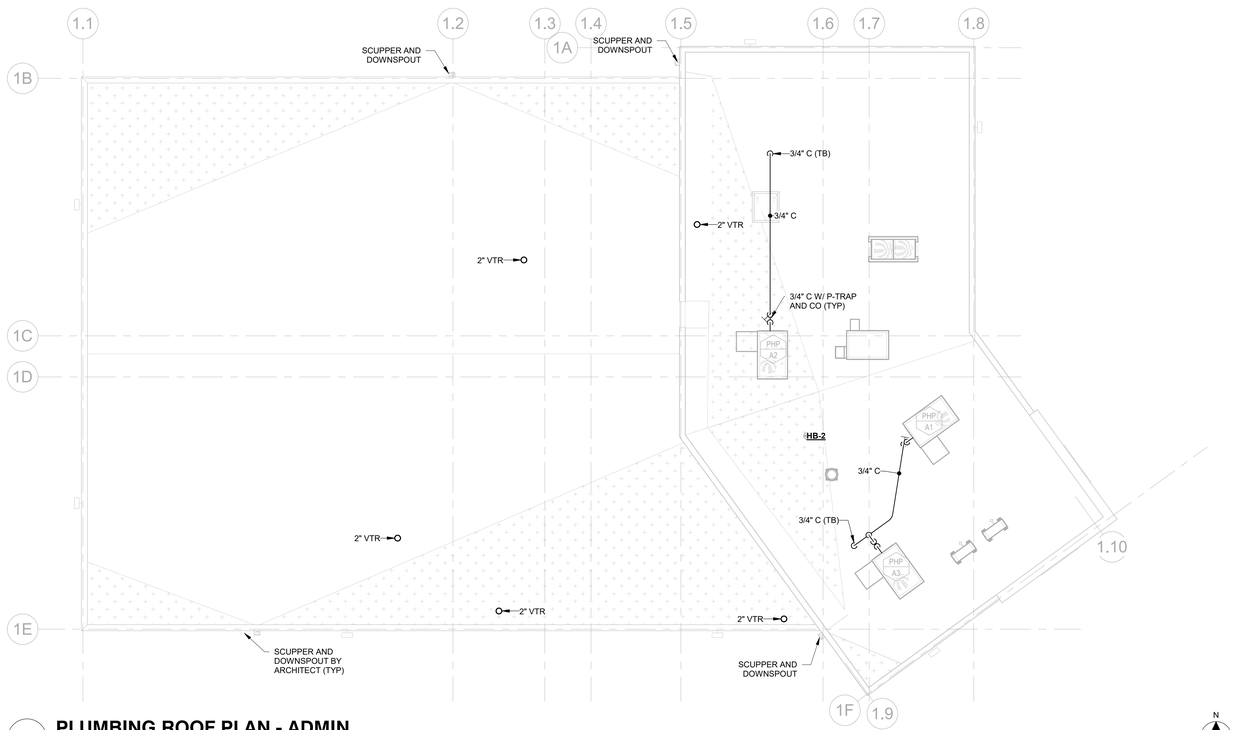
FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

PLUMBING FLOOR PLAN ADMIN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2PA2.1
Drawn / Author	Checked / Checker



1 PLUMBING ROOF PLAN - ADMIN

SCALE: 1/8" = 1'-0"

PRINT DATE: 7/10/2026 9:02:52 AM
FILE PATH: Autodesk Docs://24-2132 FCUSD Cordova Villa ES/25-2132 FCUSD Cordova ES MP+FP_r23.rvt

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DATE: 07/31/2026

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1209 Pleasant Grove Blvd.
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Job #: 25-2132

ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M 34661 REN 12-31-26 MECHANICAL STATE OF CALIFORNIA

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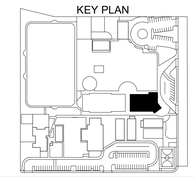
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



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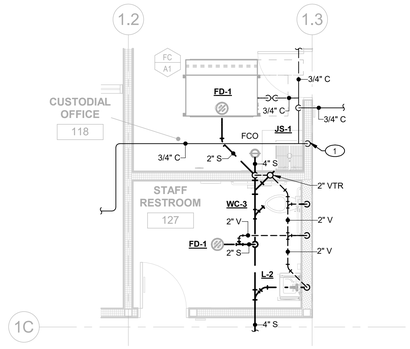
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

PLUMBING ROOF PLAN ADMIN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2PA4.1
Drawn / Author	Checked / Checker

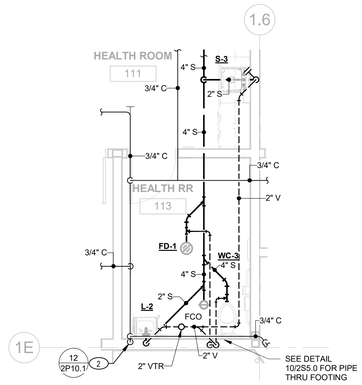
KEY NOTES

1 3/4" C (D) AND SPILL OVER JANITOR SINK AT 6" ABOVE SINK.
2 3/4" C (D) TO LAV/SINK TAILPIECE.



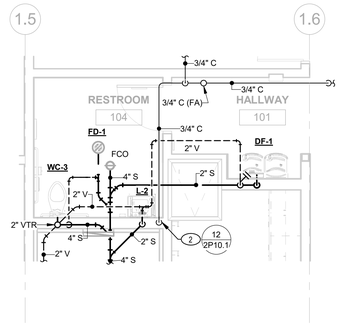
5 ENL. PLUMBING WASTE & VENT PLAN - RM 127

SCALE: 1/4" = 1'-0"



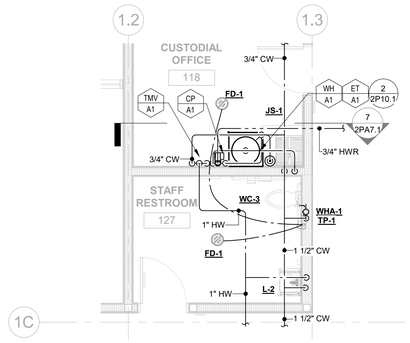
3 ENL. PLUMBING WASTE & VENT PLAN - RM 113

SCALE: 1/4" = 1'-0"



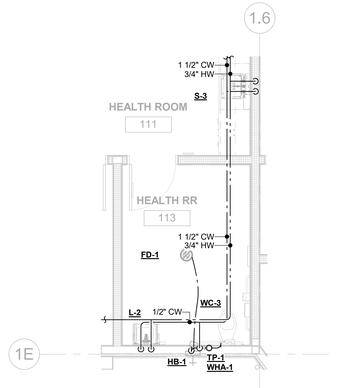
1 ENL. PLUMBING WASTE & VENT PLAN - RM 104

SCALE: 1/4" = 1'-0"



6 ENL. PLUMBING DOMESTIC WATER PLAN - RM 127

SCALE: 1/4" = 1'-0"



4 ENL. PLUMBING DOMESTIC WATER PLAN - RM 113

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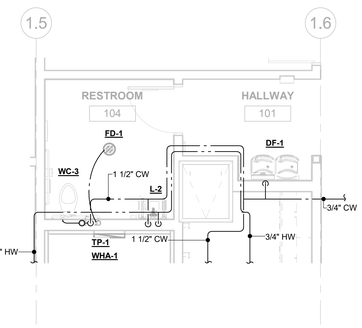

2 ENL. PLUMBING DOMESTIC WATER PLAN - RM 104

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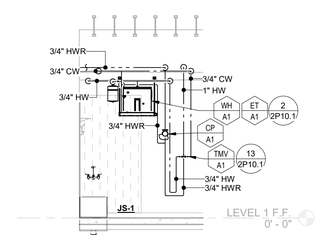
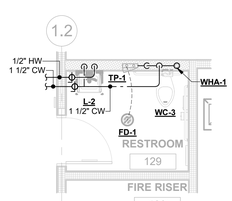


7 SECTION AT WATER HEATER ADMIN RM 118

SCALE: 1/4" = 1'-0"



9 ENL. PLUMBING DOMESTIC WATER PLAN - RM 126

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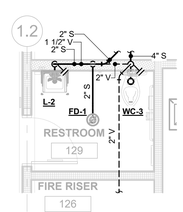

8 ENL. PLUMBING WASTE & VENT PLAN - RM 126

SCALE: 1/4" = 1'-0"

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ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M 34661 REN 12-31-26 MECHANICAL STATE OF CALIFORNIA

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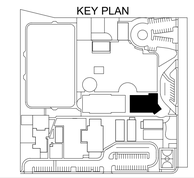
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



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RANCHO CORDOVA, CA 95670

ENLARGED PLUMBING FLOOR PLANS - ADMIN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2PA7.1
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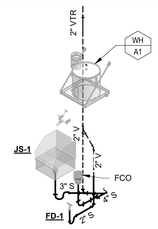
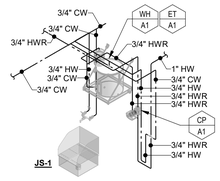


3 WASTE & VENT IS0METRIC RM 118

SCALE: NONE



4 DOMESTIC WATER ISOMETRIC RM 118

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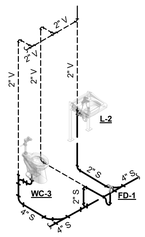

5 WASTE & VENT ISOMETRIC RM 127

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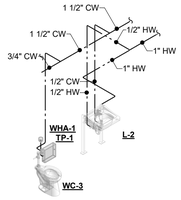

6 DOMESTIC WATER ISOMETRIC RM 127

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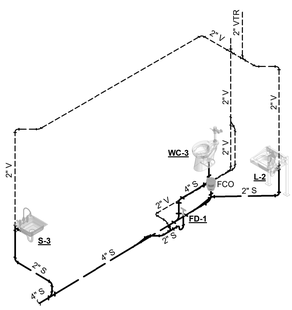
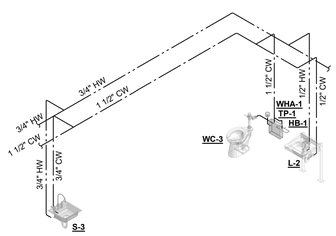


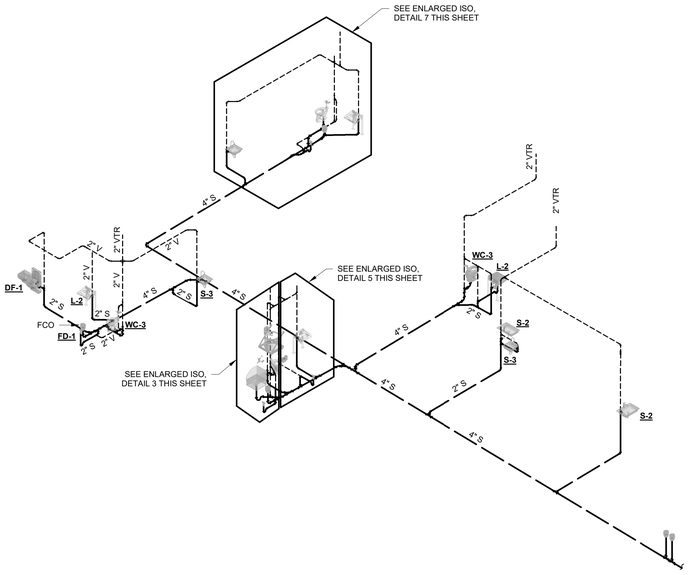
7 WASTE & VENT ISOMETRIC RM 113

SCALE: NONE



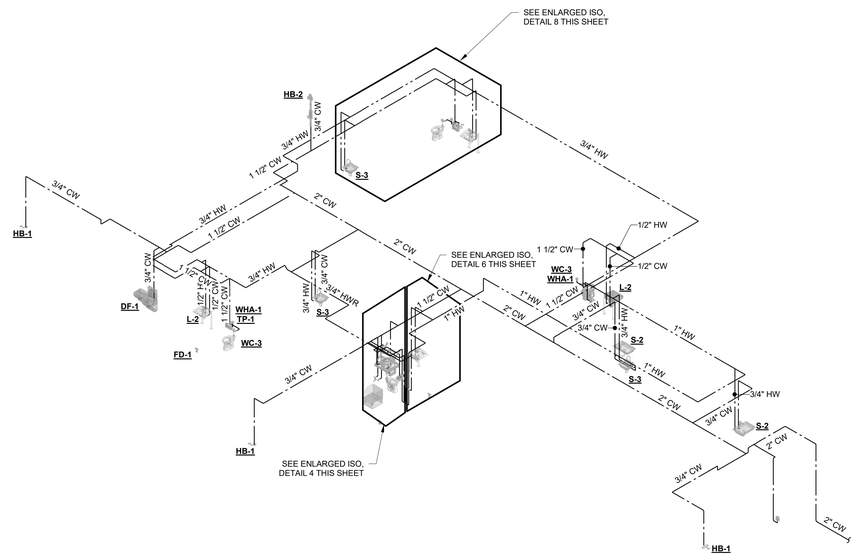
8 DOMESTIC WATER ISOMETRIC RM RM 113

SCALE: NONE



1 PLUMBING ADMIN OVERALL WASTE & VENT ISOMETRIC DIAGRAM

SCALE: NONE



2 PLUMBING ADMIN OVERALL WATER ISOMETRIC DIAGRAM

SCALE: NONE

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ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M 34661 REN 12-31-26 MECHANICAL STATE OF CALIFORNIA

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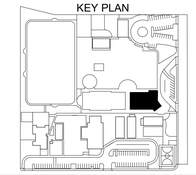
NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



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MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

PLUMBING ISOMETRICS - ADMIN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2PA8.1
Drawn / Author	Checked / Checker

PRINT DATE: 7/10/2026 9:03:14 AM
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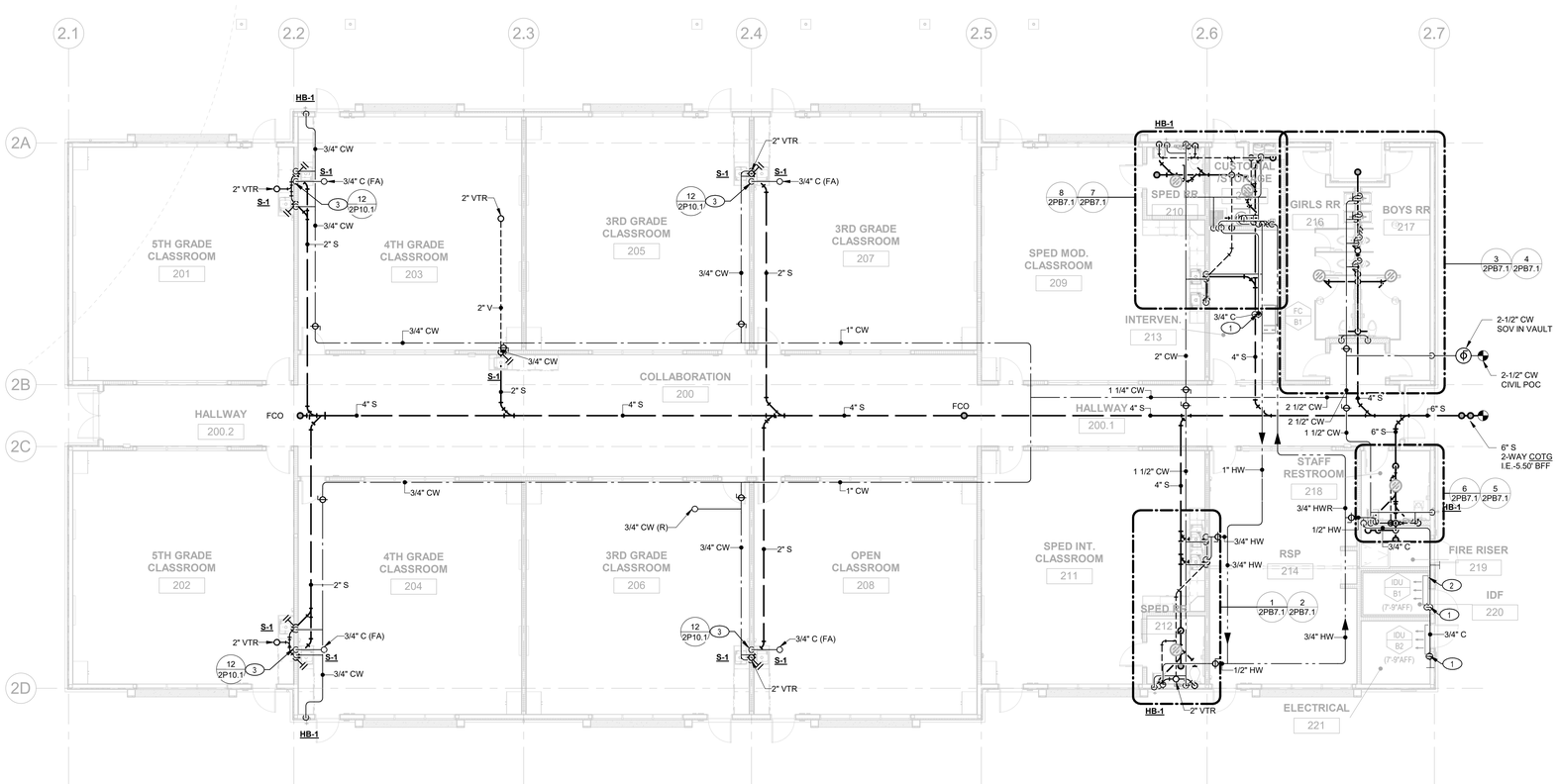
KEY NOTES

#	
1	3/4" C (R) AND CONNECT TO GRAVITY LINE WITH TOP CONNECTION.
2	CONDENSATE SHALL NOT BE ROUTED OVER ELECTRICAL EQUIPMENT. COORDINATE LOCATION WITH ELECTRICAL CONTRACTOR.
3	3/4" C (D) TO LAV/SINK TAILPIECE.



1 PLUMBING FLOOR PLAN - CLASSROOM

SCALE: 1/8" = 1'-0"

N

PRINT DATE: 7/10/2026 9:03:23 AM
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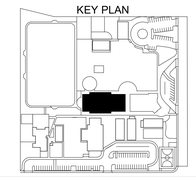
○ CONSTRUCTION	

KEY PLAN



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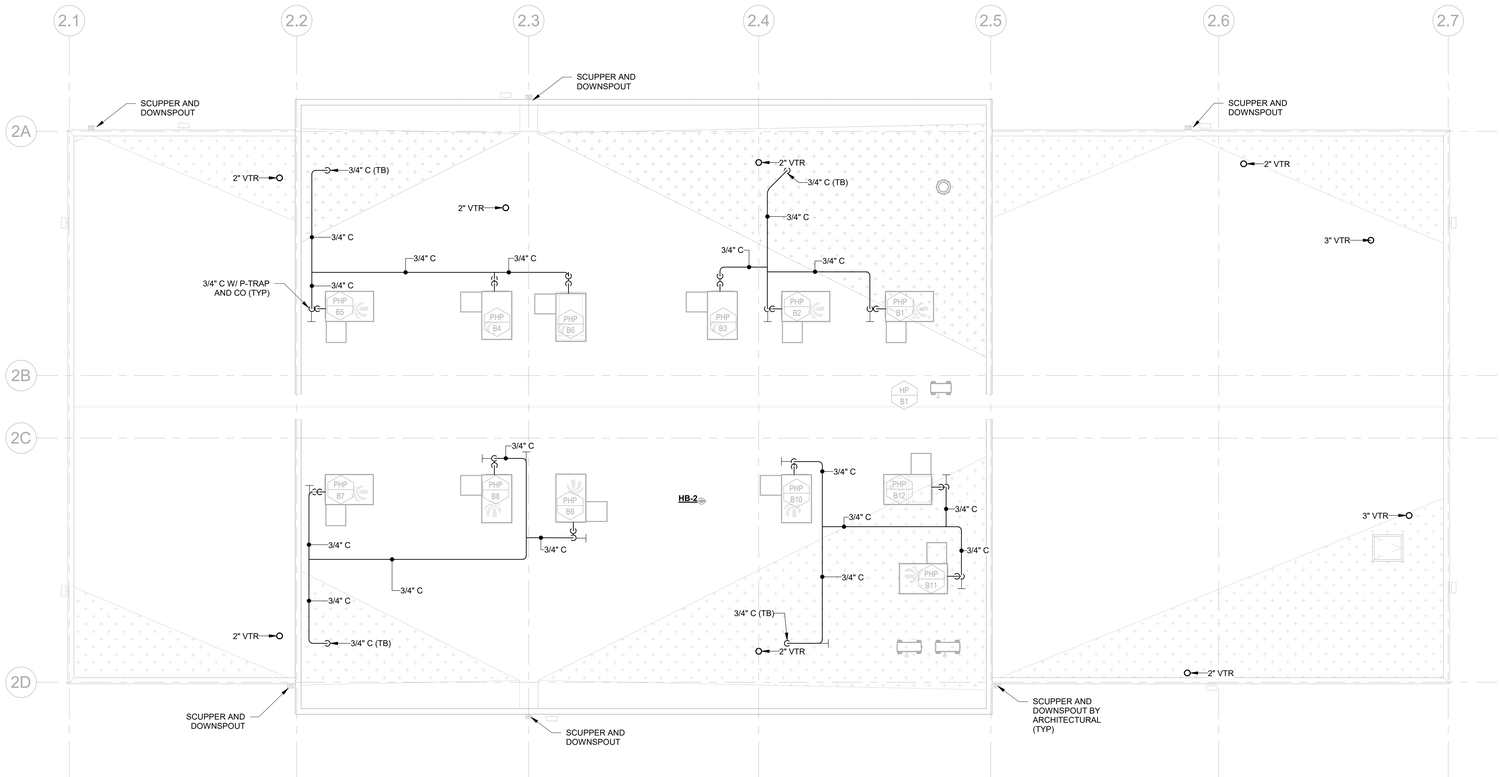
PLUMBING FLOOR PLAN CLASSROOM

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2PB2.1
Drawn / Checked	
Author / Checker	



1 PLUMBING ROOF PLAN - CLASSROOM

SCALE: 1/8" = 1'-0"

N

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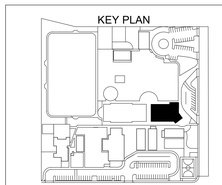
KEY PLAN



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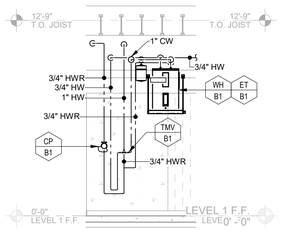
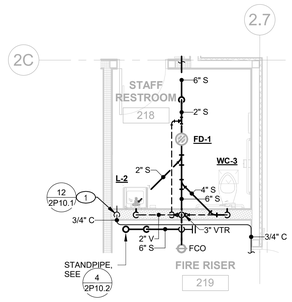


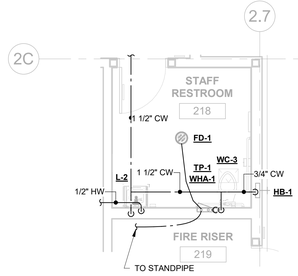
9 SECTION AT WATER HEATER RM 215

SCALE: 1/4" = 1'-0"



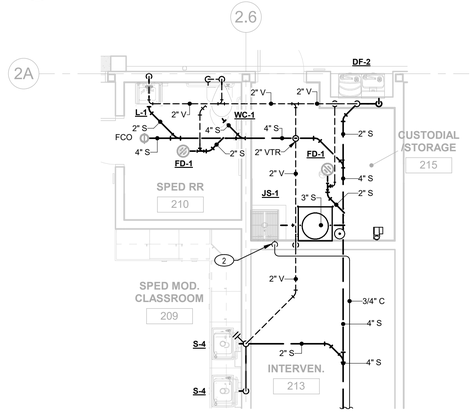
5 ENL. PLUMBING WASTE & VENT PLAN - RM 218

SCALE: 1/4" = 1'-0"



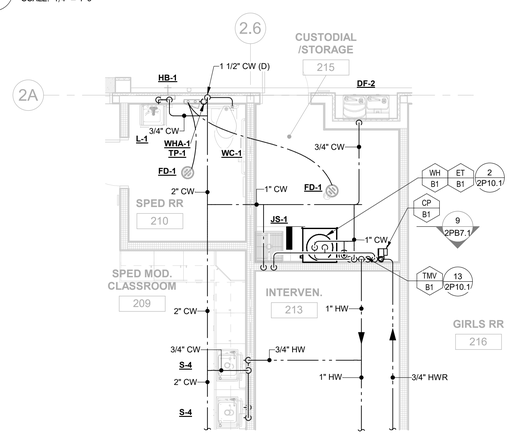
6 ENL. PLUMBING DOMESTIC WATER PLAN - RM 218

SCALE: 1/4" = 1'-0"



7 ENL. PLUMBING WASTE & VENT PLAN - RM 210

SCALE: 1/4" = 1'-0"



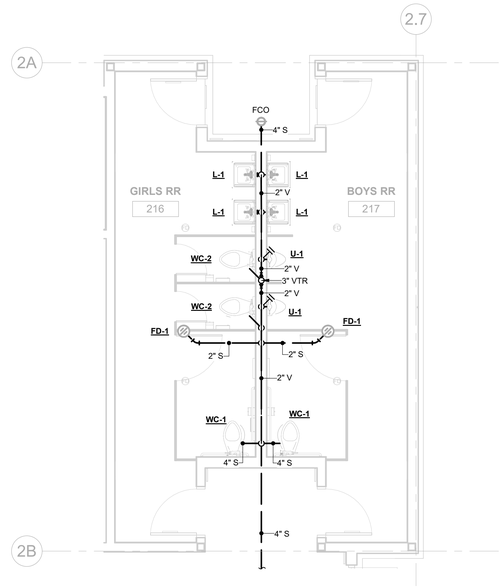
8 ENL. PLUMBING DOMESTIC WATER PLAN - RM 210

SCALE: 1/4" = 1'-0"

KEY NOTES

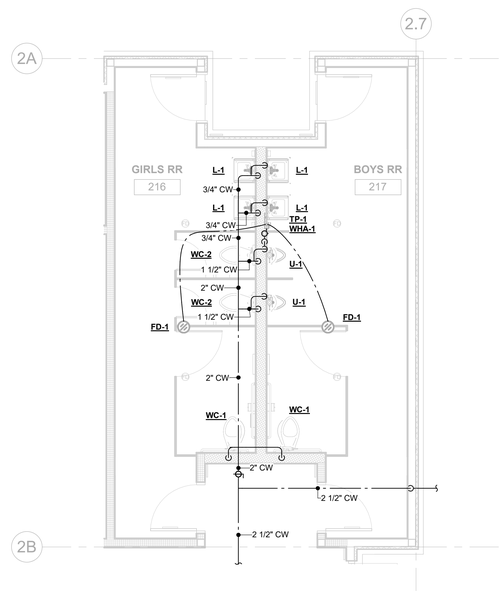
(#)

1 3/4" C (D) TO LAV/SINK TAILPIECE.
2 3/4" C (D) AND SPILL OVER JANITOR SINK AT 6" ABOVE SINK.



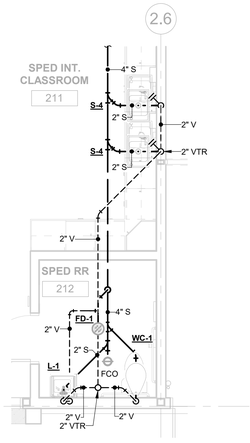
3 ENL. PLUMBING WASTE & VENT PLAN - RM 216, 217

SCALE: 1/4" = 1'-0"



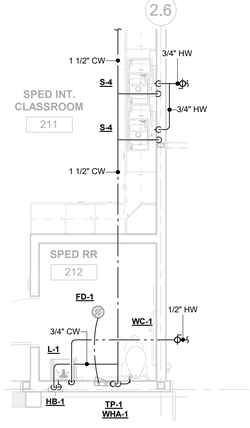
4 ENL. PLUMBING DOMESTIC WATER PLAN - RM 216, 217

SCALE: 1/4" = 1'-0"



1 ENL. PLUMBING WASTE & VENT PLAN - RM 212

SCALE: 1/4" = 1'-0"



2 ENL. PLUMBING DOMESTIC WATER PLAN - RM 212

SCALE: 1/4" = 1'-0"

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REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
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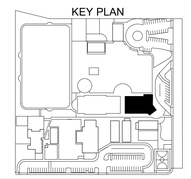
○ CONSTRUCTION	

KEY PLAN



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RANCHO CORDOVA, CA 95742

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CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
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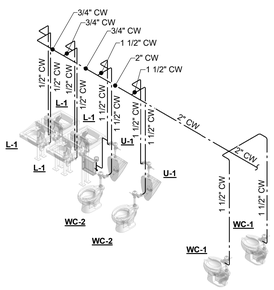
RANCHO CORDOVA, CA 95670

ENLARGED PLUMBING FLOOR PLANS - CLASSROOM

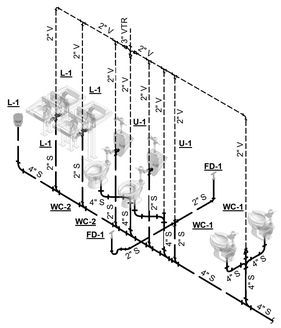
Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2PB7.1
Drawn / Checked	
Author / Checker	

PRINT DATE: 7/10/2026 9:03:37 AM
FILE PATH: Autodesk Docs://25-2132 FCUSD Cordova Villa ES/25-2132 FCUSD Cordova ES MP+FP_r23.rvt



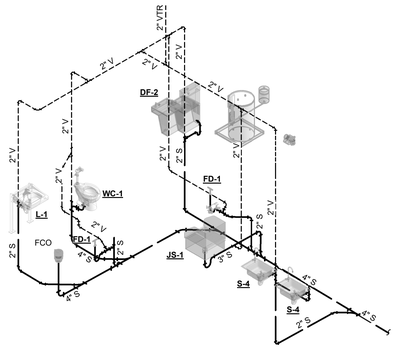
4 DOMESTIC WATER ISOMETRIC RM 216, 217

SCALE: NONE



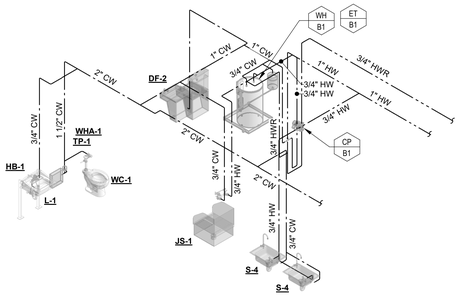
3 WASTE & VENT ISOMETRIC RM 216, 217

SCALE: NONE



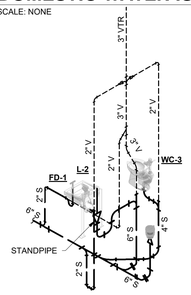
5 WASTE & VENT ISOMETRIC RM 210, 215

SCALE: NONE



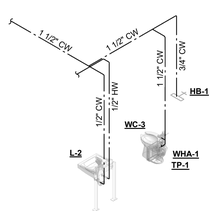
6 DOMESTIC WATER ISOMETRIC RM 210, 215

SCALE: NONE



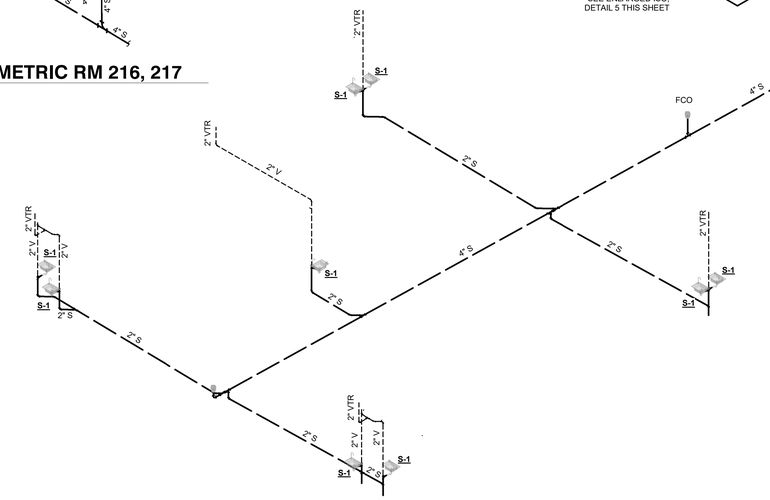
7 WASTE & VENT ISOMETRIC RM 218, 219

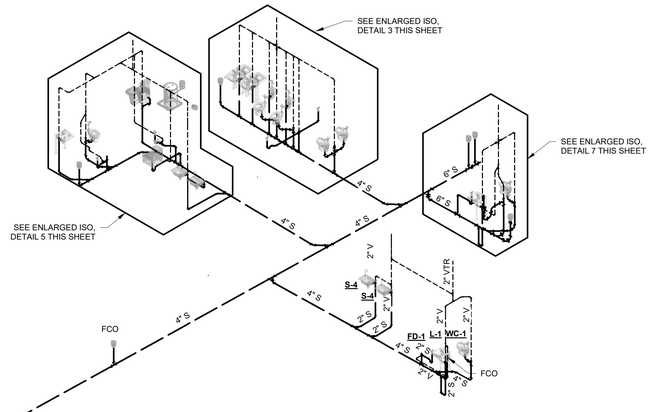
SCALE: NONE



8 DOMESTIC WATER ISOMETRIC RM 218, 219

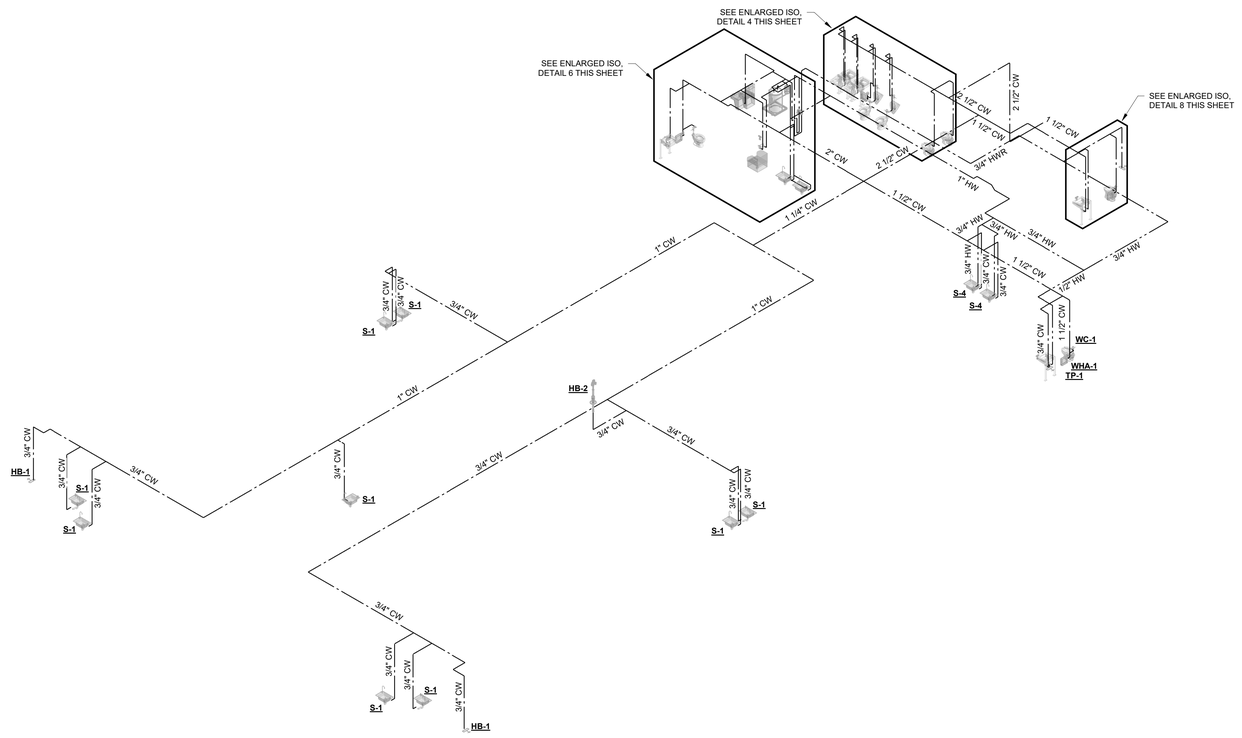
SCALE: NONE





1 PLUMBING CLASSROOM OVERALL WASTE & VENT ISOMETRIC DIAGRAM

SCALE:



2 PLUMBING CLASSROOM OVERALL WATER ISOMETRIC DIAGRAM

SCALE:

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DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

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	REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M 34661 REN 12-31-26 MECHANICAL STATE OF CALIFORNIA

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	DATE
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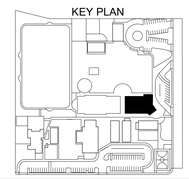
○ CONSTRUCTION	

KEY PLAN



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CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
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PLUMBING ISOMETRICS - CLASSROOM

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2PB8.1
Drawn / Checked	
Author / Checker	

PRINT DATE: 7/10/2026 9:03:46 AM
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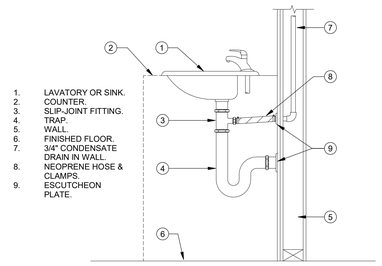
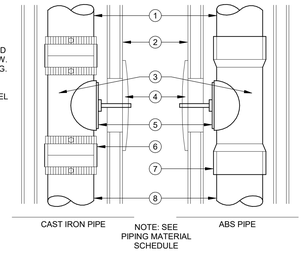


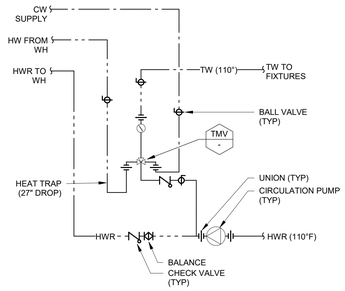
1. LAVATORY OR SINK.
2. COUNTER.
3. SLIP-JOINT FITTING.
4. TRAP.
5. WALL.
6. FINISHED FLOOR.
7. 3/4" CONDENSATE DRAIN IN WALL.
8. NEOPRENE HOSE & CLAMPS.
9. ESCUTCHEON PLATE.

CONDENSATE TO TAILPIECE DETAIL — NTS — 12



1. VENT STACK.
2. FACE OF WALL.
3. SANITARY TEE.
4. CHROME PLATED COVER & SCREW.
5. THREADED PLUG.
6. NO-HUB COUPLING STAINLESS STEEL COVER.
7. ABS FLANGED FITTING.
8. DRAIN LINE.

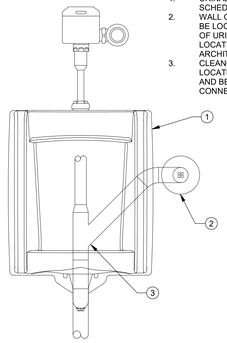
WALL CLEANOUT (WCO) — NTS — 8



PROCEDURE TO BALANCE RECIRCULATION SYSTEM

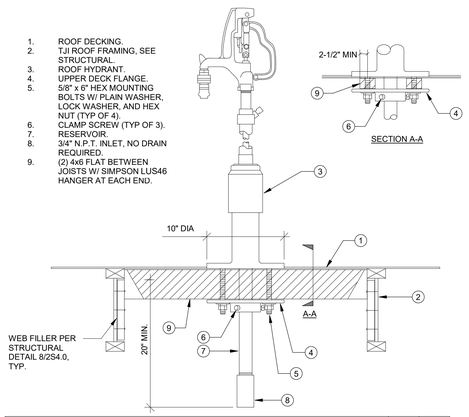
1. MAKE SURE NO WATER IS BEING DRAWN IN THE BUILDING. OPEN BALANCING VALVE APPROXIMATELY HALF WAY AND START CIRCULATOR.
2. OBSERVE TEMPERATURE UNTIL IT STABILIZES.
3. CLOSE BALANCING VALVE SLIGHTLY IF TEMPERATURE IS TOO HOT, OR OPEN IT SLIGHTLY IF TEMPERATURE IS TOO COLD AND ALLOW TEMPERATURE TO STABILIZE. REPEAT UNTIL DESIRED RECIRCULATED TEMPERATURE IS SET.

THERMAL MIXING VALVE — NTS — 13



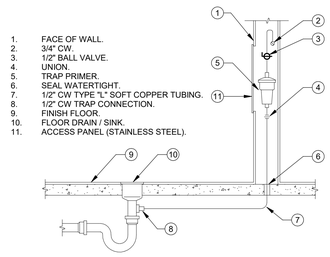
1. URINAL, SEE FIXTURE SCHEDULE
2. WALL CLEANOUT COVER, CAN BE LOCATED ON EITHER SIDE OF URINAL; COORDINATE LOCATION WITH ARCHITECTURAL.
3. CLEANOUT CONNECTION, LOCATE ABOVE URINAL TRAP AND BELOW URINAL VENT CONNECTION.

URINAL CLEANOUT DETAIL — NTS — 9



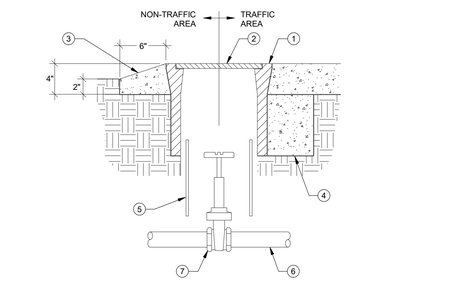
1. ROOF DECKING.
2. TJI ROOF FRAMING, SEE STRUCTURAL.
3. ROOF HYDRANT.
4. UPPER DECK FLANGE.
5. 5/8" x 6" HEX MOUNTING BOLTS W/ PLAIN WASHER, LOCK WASHER, AND HEX NUT (TYP OF 4).
6. CLAMP SCREW (TYP OF 3).
7. RESERVOIR.
8. 3/4" N.P.T. INLET, NO DRAIN REQUIRED.
9. (2) 4x6 FLAT BETWEEN JOISTS W/ SIMPSON LUS46 HANGER AT EACH END.

ROOF HYDRANT — NTS — 4



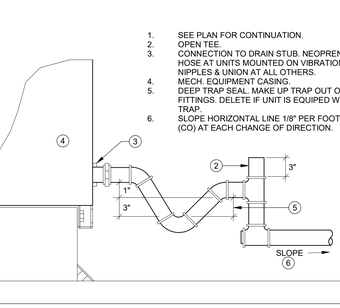
1. FACE OF WALL.
2. 3/4" CW.
3. 1/2" BALL VALVE.
4. UNION.
5. TRAP PRIMER.
6. SEAL WATERTIGHT.
7. 1/2" CW TYPE "L" SOFT COPPER TUBING.
8. 1/2" CW TRAP CONNECTION.
9. FINISH FLOOR.
10. FLOOR DRAIN / SINK.
11. ACCESS PANEL (STAINLESS STEEL).

TRAP PRIMER PIPING DETAIL — NTS — 5

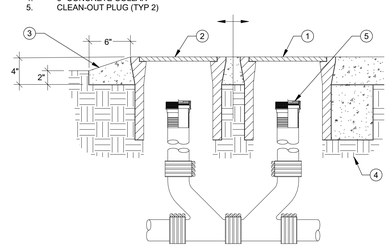


1. PRECAST CONCRETE VALVE BOX, CHRISTY G05, OR EQUAL
2. H20 TRAFFIC RATED LID WITH LABEL "WATER"
3. TAPERED CONCRETE CIRCULAR COLLAR
4. 6" CONCRETE COLLAR
5. 8" SCH 40 PVC RISER PIPE WHERE NECESSARY
6. COLD WATER SUPPLY
7. SHUT-OFF GATE VALVE WITH RISING STEM OR KEY-NUT

CW SHUT-OFF VALVE — NTS — 1

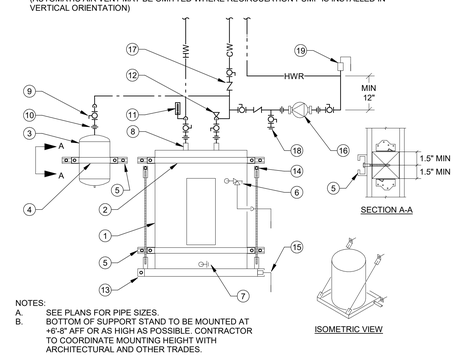


CONDENSATE DRAIN CONNECTION — NTS — 10



1. PRECAST CONCRETE VALVE BOX WITH CAST IRON LID LABELED "SEWER", CHRISTY G05, OR EQUAL FOR TRAFFIC AREAS
2. PRECAST CONCRETE VALVE BOX WITH CONCRETE LID LABELED "SEWER", CHRISTY F08, OR EQUAL FOR NON-TRAFFIC AREAS
3. TAPERED CONCRETE CIRCULAR COLLAR
4. 6" CONCRETE COLLAR
5. CLEAN-OUT PLUG (TYP 2)

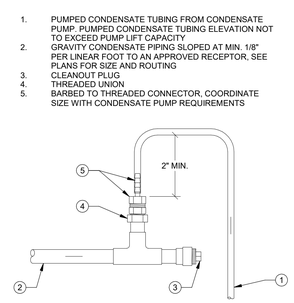
TWO-WAY CLEANOUT (COTG) — NTS — 6



NOTES:
A. SEE PLANS FOR PIPE SIZES.
B. BOTTOM OF SUPPORT STAND TO BE MOUNTED AT +6'-8" AFF OR AS HIGH AS POSSIBLE. CONTRACTOR TO COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL AND OTHER TRADES.

1. WATER HEATER, SEE PLUMBING SCHEDULE
2. (2) 1-1/2" WIDE, 24 GA. GALVANIZED SHEET METAL SEISMIC STRAPS AROUND WATER HEATER, (1) EACH AT UPPER AND LOWER THIRD OF WATER HEATER, SECURE TO UNISTRUT CHANNEL WITH 3/8"∅ BOLT, UNISTRUT SQUARE WASHER AND CHANNEL NUT EACH SIDE
3. EXPANSION TANK, SEE PLUMBING SCHEDULE
4. 1-1/2" WIDE, 24 GA. GALVANIZED SHEET METAL SEISMIC STRAP AROUND EXPANSION TANK, SECURE TO UNISTRUT CHANNEL WITH 3/8"∅ BOLT, UNISTRUT SQUARE WASHER AND CHANNEL NUT EACH SIDE
5. 1-5/8"X1-5/8"X12 GA. UNISTRUT CHANNEL, B-LINE B22 OR EQUAL, TYP, SECURE TO WALL STUDS WITH (2) 1/4" LAG SCREWS WITH MIN. 3" EMBED INTO 4x WALL BLOCKING WITH A34, CENTERED AT ATTACHED STUD WIDTH (1) EACH END. DO NOT OVERLAP A34 ON 2x STUD
6. ASME TEMPERATURE & PRESSURE RELIEF VALVE, ROUTE FULL SIZE DRAIN TO APPROVED INDIRECT RECEPTOR WITH MIN. 1" AIRGAP
7. WATER HEATER DRAIN VALVE.
8. DIELECTRIC HEAT TRAP NIPPLE AT WATER HEATER HW & CW CONNECTIONS
9. ISOLATION VALVE, TYP
10. DIELECTRIC UNION, TYP
11. LEAD-FREE THERMOWELL THERMOMETER, TRERICE BX SERIES, OR EQUAL
12. LEAD-FREE VACUUM RELIEF VALVE, CSA AND ANSI Z12.22 LISTED, WATTS MODEL LFN36-M1, OR EQUAL
13. WALL MOUNTED SUPPORT STAND, MIN. 12 GA. GALVANIZED STEEL, HOLDRITE MODEL 50-SWHP-W, OR EQUAL, WITH MIN. 600 LB. WEIGHT CAPACITY
14. SECURE WATER HEATER SUPPORT STAND TO WALL WITH (4) 3/8"∅ SCREWS AND WASHERS WITH MIN. 3" EMBEDMENT, CENTERED AT ATTACHED STUD WIDTH, PROVIDE FULL HEIGHT DOUBLE STUDS AT CONNECTIONS
15. ROUTE RULL SIZE DRAIN FROM SUPPORT DRAIN PAN TO APPROVED INDIRECT RECEPTOR WITH MIN. 1" AIRGAP
16. RECIRCULATION PUMP, SEE PLUMBING SCHEDULE
17. CHECK VALVE, TYP
18. HOSE BIBB WITH ISOLATION VALVE USED FOR BLEEDING AIR OUT OF PUMP FOR SYSTEM PRIMING PER CALIFORNIA ENERGY CODE
19. LEAD-FREE AUTOMATIC AIR VENT, B&G MODEL 87 OR EQUAL, INSTALL AT TOP OF MIN. 12" HIGH VERTICAL RISER AND NO MORE THAN 4FT FROM RECIRCULATION PUMP PER CEC, ROUTE FULL SIZE DRAIN TO APPROVED INDIRECT RECEPTOR WITH MIN. 1" AIRGAP (AUTOMATIC AIR VENT MAY BE OMITTED WHERE RECIRCULATION PUMP IS INSTALLED IN VERTICAL ORIENTATION)

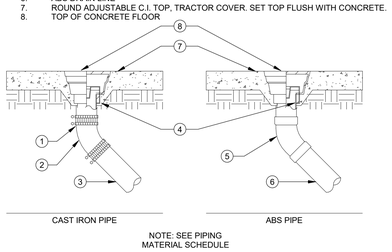
ELECTRIC WATER HEATER MOUNT ON PLATFORM — NTS — 2



1. PUMPED CONDENSATE TUBING FROM CONDENSATE PUMP. PUMPED CONDENSATE TUBING ELEVATION NOT TO EXCEED PUMP LIFT CAPACITY
2. GRAVITY CONDENSATE PIPING SLOPED AT MIN. 1/8" PER LINEAR FOOT TO AN APPROVED RECEPTOR, SEE PLANS FOR SIZE AND ROUTING
3. CLEANOUT PLUG
4. THREADED UNION
5. BARBED TO THREADED CONNECTOR, COORDINATE SIZE WITH CONDENSATE PUMP REQUIREMENTS

NOTES:
A. PUMPED CONDENSATE CONNECTION TO GRAVITY PIPING TO BE AT TOP OF GRAVITY PIPING AS SHOWN.
B. INSTALL PUMPED CONDENSATE TUBING WITH LONG RADIUS TURNS AND WITHOUT KINKS PER MFGR'S INSTRUCTIONS.

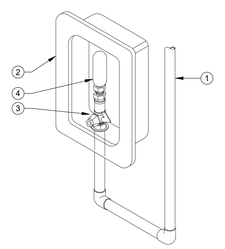
CONDENSATE DRAIN CONNECTION - FAN COIL W/ PUMP — NTS — 11



1. S.S. RETAINING CLAMP
2. C.I. 1/8 BEND
3. C.I. DRAIN LINE
4. CAULK JOINT WITH LEAD. NO WATER TO STAND ON LIP.
5. ABS 1/8 BEND
6. ABS DRAIN LINE
7. ROUND ADJUSTABLE C.I. TOP, TRACTOR COVER. SET TOP FLUSH WITH CONCRETE.
8. TOP OF CONCRETE FLOOR

NOTE: SEE PIPING MATERIAL SCHEDULE

FLOOR CLEANOUT (FCO) — NTS — 7



1. WATER INLET.
2. RECESSED WALL BOX.
3. BALL VALVE.
4. WATER HAMMER ARREST. PDI-A.

WATER SUPPLY BOX — NTS — 3

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ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M 34661 REN 12-31-26 MECHANICAL STATE OF CALIFORNIA

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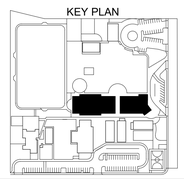
DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

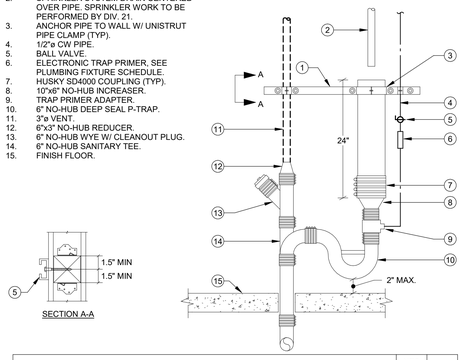
CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

PLUMBING DETAILS

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2P10.1
Drawn / Checked	
Author / Checker	

PRINT DATE: 7/10/2026 9:03:50 AM
FILE PATH: Autodesk Docs://25-2132 FCUSD Cordova Villa ES\25-2132 FCUSD Cordova Villa ES MP+FP_r23.rvt

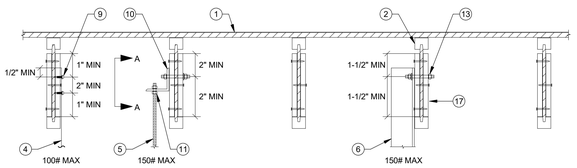
1. UNITRUT #P1000. ATTATCH STRUT TO BACKING PLATE WITH (4) 1/2"ø x 3" LAG BOLTS EQUALLY SPACED INTO 4x6 WALL BLOCKING WITH A34 HANGERS. DO NOT OVERLAP A34 ON 2x STUDS. PROVIDE BACKING AT SUPPORT.
2. SPRINKLER SYSTEM DRAIN CENTERED OVER PIPE. SPRINKLER WORK TO BE PERFORMED BY DIV. 21.
3. ANCHOR PIPE TO WALL W/ UNISTRUT PIPE CLAMP (TYP).
4. 1/2"ø CW PIPE.
5. BALL VALVE.
6. ELECTRONIC TRAP PRIMER, SEE PLUMBING FIXTURE SCHEDULE. HUSKY SD4000 COUPLING (TYP).
8. 10"x6" NO-HUB INCREASER.
9. TRAP PRIMER ADAPTER.
10. 6" NO-HUB DEEP SEAL P-TRAP.
11. 3"ø VENT.
12. 6"x3" NO-HUB REDUCER.
13. 6" NO-HUB WYE W/ CLEANOUT PLUG.
14. 6" NO-HUB SANITARY TEE.
15. FINISH FLOOR.



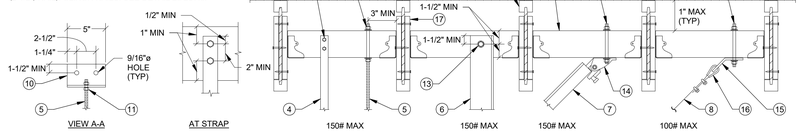
SECTION A-A

FIRE RISER HUB DRAIN DETAIL — NTS — 4

1. FLOOR/ROOF. SEE STRUCTURAL DRAWINGS.
2. FLOOR/ROOF FRAMING, SEE STRUCTURAL DRAWINGS.
3. 4x4 BLOCKING BETWEEN JOISTS W/ U44 HANGERS AT EACH END, TYP.
4. 1" x 20 GA. GALV. SHEET METAL STRAP
5. 3/8"ø THREADED ROD, B-LINE ATR OR EQUAL.
6. 3"x3"x1/4" GALVANIZED STEEL ANGLE.
7. 1-5/8"x1-5/8"x12 GA UNISTRUT CHANNEL, B-LINE B22 OR EQUAL.
8. 3/32"ø PRE-STRETCHED GALVANIZED AIRCRAFT CABLE, 7x19 STRAND CORE.
9. (2) #12 x 2" WOOD SCREWS, 2" O.C. MIN.
10. 3"x3"x1/4" x 5" LONG GALVANIZED STEEL ANGLE, ATTACH TO FRAMING WITH (2) 1/2"ø BOLTS OR THREADED ROD WITH NUTS AND WASHER.
11. NUT, TOP AND BOTTOM.
12. NUT AND WASHER, TOP AND BOTTOM.
13. 3/8"ø THREADED ROD THROUGH SUPPORT MEMBER WITH NUT AND WASHER EA END, 6" MIN TO END OF JOIST.
14. UNIVERSAL SWAY BRACE UPPER ATTACHMENT, B-LINE TOLCO FIG. 980 OR EQUAL.
15. 2"x3"x1/4" x 1-5/8" WIDE GALVANIZED STEEL ANGLE, B-LINE MODEL B154 OR EQUAL.
16. CABLE THIMBLE AND CABLE CLIPS.
17. 2X FILLER (12" LONG BY SUPPORT MEMBER DEPTH), NAIL THRU WEB INTO FILLER (5ø# FOR EACH 8d (2-1/2") NAIL). CLINCH NAILS. SEE DETAIL 25/2S7.0.



AT FRAMING MEMBERS



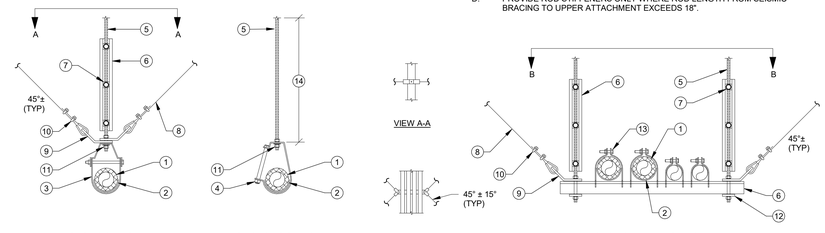
VIEW A-A AT STRAP

BETWEEN FRAMING MEMBERS

HANGER UPPER ATTACHMENTS — NTS — 1

1. PIPE, SEE PLAN FOR SIZE AND ROUTING.
2. PIPE INSULATION WHERE APPLICABLE, SEE SPECIFICATIONS. PROVIDE INSULATION PROTECTION SADDLE, MIN. 12" LONG, B-LINE B3151 OR EQUAL. MAY BE SUBSTITUTED FOR PRE-INSULATED CALCIUM SILICATE SHIELD SUPPORT, B-LINE B338 OR EQUAL.
3. STANDARD CLEVIS PIPE HANGER, COATED OR PLATED TO ISOLATE HANGER FROM DISSIMILAR METAL PIPING, B-LINE B3100 OR EQUAL.
4. ADJUSTABLE 'J' PIPE HANGER, COATED OR PLATED TO ISOLATE HANGER FROM DISSIMILAR METAL PIPING, B-LINE B3690 OR EQUAL.
5. 3/8"ø THREADED ROD, B-LINE ATR OR EQUAL.
6. 1-5/8"x1-5/8"x12 GA UNISTRUT CHANNEL, B-LINE B22 OR EQUAL.
7. ROD STIFFENER, B-LINE TOLCO MODEL 98B OR EQUAL, MIN. 1" FROM TOP AND BOTTOM OF UNISTRUT AND MAX. 28" O.C., TORQUE TO 10 FT-LBS.
8. 3/32"ø PRE-STRETCHED GALVANIZED AIRCRAFT CABLE, 7x19 STRAND CORE.
9. 2"x3"x1/4" X 1-5/8" WIDE GALVANIZED STEEL ANGLE, B-LINE MODEL B154 OR EQUAL.
10. CABLE THIMBLE AND CABLE CLIPS.
11. NUT AND WASHER, TOP AND BOTTOM.
12. NUT, TOP AND BOTTOM WITH UNISTRUT SQUARE WASHER, B-LINE MODEL B201ZN OR EQUAL.
13. PIPE CLAMP, B-LINE SERIES B2000 OR EQUAL.
14. LENGTH FROM PIPE SUPPORT POINT TO THE CONNECTION AT T HE SUPPORTING STRUCTURE NOT TO EXCEED 12".

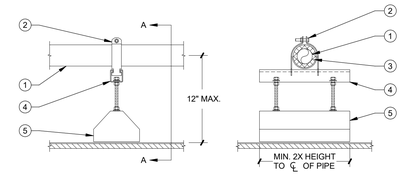
NOTES:
A. HANGER SPACING PER CPC TABLE 313.3.
B. SEISMIC BRACING SPACING NOT TO EXCEED 40FT O.C. AND 2FT FROM CHANGES IN DIRECTION.
C. SEISMIC BRACING IS NOT REQUIRED FOR THE FOLLOWING CONDITIONS PER CBC 1617A.1.26 AND ASCE 7, SECTION 13.6.7.3 (EXCEPTION 2):
   a. PIPING CONTAINING HAZARDOUS CONTENTS (EX: NATURAL GAS, PROPANE, MEDICAL GASES) WITH AN Ip>1.0 WHERE:
      1. PIPE SIZE IS 1" OR LESS, AND
      2. PIPE IS SUPPORTED BY INDIVIDUAL HANGER NOT EXCEEDING 12", AND
      3. TOTAL WEIGHT SUPPORTED BY INDIVIDUAL HANGER IS 50 LBS OR LESS.
   b. ALL OTHER PIPING NOT CONTAINING HAZARDOUS CONTENTS WITH AN Ip=1.0 WHERE:
      1. PIPE SIZE IS 3" OR LESS, AND
      2. PIPE IS SUPPORTED BY INDIVIDUAL HANGER NOT EXCEEDING 12", AND
      3. TOTAL WEIGHT SUPPORTED BY INDIVIDUAL HANGER IS 50 LBS OR LESS.
D. PROVIDE ROD STIFFENERS ONLY WHERE ROD LENGTH FROM SEISMIC BRACING TO UPPER ATTACHMENT EXCEEDS 18".



SEISMIC SUPPORT NON-SEISMIC SUPPORT VIEW A-A VIEW B-B SEISMIC TRAPEZE SUPPORT

PIPE HANGER DETAIL — NTS — 2

1. PIPE, SEE PLAN FOR SIZE AND ROUTING
2. PIPE CLAMP, B-LINE SERIES B2000 OR EQUAL.
3. PIPE INSULATION WHERE APPLICABLE, SEE SPECIFICATIONS. PROVIDE INSULATION PROTECTION SADDLE, MIN. 12" LONG, B-LINE B3151 OR EQUAL. MAY BE SUBSTITUTED FOR PRE-INSULATED CALCIUM SILICATE SHIELD SUPPORT, B-LINE B338 OR EQUAL.
4. 1-5/8"X1-5/8"X12 GA UNISTRUT CHANNEL, B-LINE B22 OR EQUAL.
5. RUBBER ELEVATED ROOFTOP PIPE SUPPORT, B-LINE DURA-BLOK DBE SERIES OR EQUAL, WOOD BLOCKING IS NOT APPROVED.



SECTION A-A

NOTES:
A. PROVIDE PIPE SUPPORT AT MAXIMUM SPACING OF 8 FT AND WITHIN 2 FT OF PIPE ENDS AND ELBOWS.
B. MAX HEIGHT PER DSA IR-16 SECTION 4.2.1.1.

CONDENSATE PIPE SUPPORT ON ROOF — NTS — 3

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	REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M 34661 REN 12-31-26 MECHANICAL STATE OF CALIFORNIA

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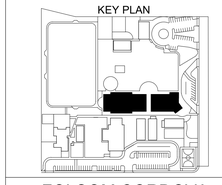
KEY PLAN



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RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

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MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

PLUMBING DETAILS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2P10.2
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FIRE ALARM SYMBOLS CONT.

SYMBOL	DESCRIPTION
WF	FIRE SPRINKLER SYSTEM FLOW SWITCH, PROVIDED UNDER ANOTHER DIVISION, CONTRACTOR SHALL CONNECT AS REQUIRED.
SOV	FIRE SPRINKLER SYSTEM TAMPER SWITCH, PROVIDED UNDER ANOTHER DIVISION, CONTRACTOR SHALL CONNECT AS REQUIRED.
EOL	FIRE ALARM END OF LINE RESISTOR.
MM	FIRE ALARM MONITOR MODULE.
SA	FIRE ALARM SYNC ADAPTER MODULE.

WIRING DEVICE SYMBOLS

SYMBOL	DESCRIPTION
	20 AMP 125V 3W DUPLEX CONVENIENCE RECEPTACLE.
	20 AMP 125V 3W DOUBLE DUPLEX CONVENIENCE RECEPTACLE.
	20 AMP 125V 3W DUPLEX CONVENIENCE RECEPTACLE W/ GROUND FAULT INTERRUPTER.
	20 AMP 125V 3W DOUBLE DUPLEX CONVENIENCE RECEPTACLE W/ GROUND FAULT INTERRUPTER.
	20 AMP 125V 3W HALF-CONTROLLED PLUG LOAD DUPLEX RECEPTACLE. RECEPTACLE SHALL BE PERMANENTLY IDENTIFIED FOR HALF-CONTROLLED.
	20 AMP 125V 3W DOUBLE DUPLEX RECEPTACLE, PROVIDE (1) NON CONTROLLED & (1) HALF-CONTROLLED PLUG LOAD RECEPTACLE. RECEPTACLE SHALL BE PERMANENTLY IDENTIFIED FOR HALF-CONTROLLED.
① ②H	JUNCTION BOX, SIZE AND TYPE AS INDICATED OR REQUIRED.
SUBSCRIPTS:	DEVICE SUBSCRIPTS DESIGNATE THE FOLLOWING:
C	= ABOVE COUNTER MOUNTED AT +42" TO CENTER OF BOX
TV	= MOUNTED AT +82" AFF TO CENTER OF BOX TO POWER TV/MONITOR
WP	= WEATHERPROOF
IG	= ISOLATED GROUND
TP	= TAMPERPROOF
USB	= PROVIDE RECEPTACLE W/ DUAL USB CHARGING
CR	= CEILING MOUNTED CORD REEL
D	= DEDICATED
CLG	= CEILING MOUNTED, PROVIDE SUPPORT TO STRUCTURAL CEILING
SP	= SURGE PROTECTED

SHEET INDEX

SHEET NUMBER	SHEET NAME
2E0.1	ABBREVIATIONS, SYMBOLS, & SHEET INDEX
2E0.2	TITLE 24
2E0.3	TITLE 24
2E0.4	TITLE 24
2E0.5	SCHEDULES - MECHANICAL, LUMINAIRE, & SEQUENCE OF OPERATIONS
2E0.6	NOTES
2E1.1.1	ELECTRICAL SITE PLAN (PHASE 1.2)
2E1.1.2	ELECTRICAL DEMOLITION POWER SITE PLAN (PHASE 1.2)
2E1.2.1	SIGNAL SITE PLAN (PHASE 1.2)
2E1.2.2	ELECTRICAL DEMOLITION SIGNAL SITE PLAN (PHASE 1.2)
2E2.1.1	OVERALL ELECTRICAL POWER PLAN - ADMINISTRATION
2E2.1.2	OVERALL ELECTRICAL ROOF PLAN - ADMINISTRATION
2E2.1.3	OVERALL ELECTRICAL LIGHTING PLAN - ADMINISTRATION
2E2.1.5	OVERALL ELECTRICAL SIGNAL PLAN - ADMINISTRATION
2E2.1.6	OVERALL ELECTRICAL FIRE ALARM PLAN - ADMINISTRATION
2E2.1.7	OVERALL ELECTRICAL FIRE ALARM RISER AND CALCS - ADMINISTRATION
2E2.1.8	ENLARGED POWER PLAN - ADMINISTRATION WEST
2E2.1.9	ENLARGED POWER PLAN - ADMINISTRATION EAST
2E2.1.10	ENLARGED LIGHTING PLAN - ADMINISTRATION WEST
2E2.1.11	ENLARGED LIGHTING PLAN - ADMINISTRATION EAST
2E2.1.12	ENLARGED ELECTRICAL & MDF - ADMINISTRATION
2E2.2.1	OVERALL ELECTRICAL POWER PLAN - CLASSROOM
2E2.2.2	OVERALL ELECTRICAL ROOF PLAN - CLASSROOM
2E2.2.3	OVERALL ELECTRICAL LIGHTING PLAN - CLASSROOM
2E2.2.5	OVERALL ELECTRICAL SIGNAL PLAN - CLASSROOM
2E2.2.6	OVERALL ELECTRICAL FIRE ALARM PLAN - CLASSROOM
2E2.2.7	OVERALL ELECTRICAL FIRE ALARM RISER AND CALCS - CLASSROOM
2E2.2.8	ENLARGED POWER PLAN - CLASSROOM WEST
2E2.2.9	ENLARGED POWER PLAN - CLASSROOM EAST
2E2.2.10	ENLARGED LIGHTING PLAN - CLASSROOM WEST
2E2.2.11	ENLARGED LIGHTING PLAN - CLASSROOM EAST
2E2.2.12	ENLARGED ELECTRICAL & IDF - CLASSROOM
2E3.1	ONE-LINE DIAGRAM
2E3.2	SCHEDULES - PANELS
2E3.3	SITE DIAGRAMS
2E10.1	DETAILS
2E10.2	DETAILS
2E10.3	DETAILS
2E10.4	DETAILS
2E10.5	DETAILS
2E10.6	DETAILS
2E10.7	DETAILS
2E10.8	DETAILS
2E10.9	DETAILS
2E10.10	DETAILS
2PV10.1	PV WIRING DIAGRAM DETAILS
2PV10.2	PV DETAILS
2PV10.3	PV DETAILS
2PV10.4	PV LABELS
2PV10.5	PV CUTSHEETS

TELECOM SYMBOLS

SYMBOL	DESCRIPTION
T	JUNCTION BOX FOR FUTURE DATA OUTLETS. PROVIDE 4 11/16" SQUARE X 2 7/8" DEEP BOX W/ 1-DEVICE RING AND PLATE. STUB 1 1/4" CONDUIT WITH 90 DEGREE BEND INTO ACCESSIBLE CEILING SPACE, TERMINATE W/ INSULATING BUSHING. CHARACTER INSIDE DENOTES THE FOLLOWING: = 1 FUTURE DATA JACK. = 2 FUTURE DATA JACKS.
C WP TV WAP	CHARACTER OUTSIDE DENOTES THE FOLLOWING: = ABOVE COUNTER MOUNTED AT 42" TO CENTER OF BOX. = WEATHERPROOF. = LOCATE FOR THE TV. VERIFY EXACT LOCATION WITH OWNER. = LOCATE FOR FUTURE WIRELESS ACCESS POINT. VERIFY EXACT REQUIREMENTS WITH OWNER.
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR. SEE 5/2E10.3 FOR ADDITIONAL CRITERIA.

LIGHTING CONTROLS SYMBOLS

SYMBOL	DESCRIPTION
S	SINGLE POLE TOGGLE SWITCH. SEE FLOOR PLANS AND DEVICE MOUNTING DETAIL ON DETAIL SHEET FOR ADDITIONAL MOUNTING HEIGHT REQUIREMENT.
D	SINGLE ZONE DIMMING CONTROL, WALL MOUNTED. STUB 1"C INTO ACCESSIBLE CEILING SPACE, TERMINATE W/ INSULATING BUSHING. WATTSTOPPER DLM #LMSW-211
D2	DUAL ZONE DIMMING CONTROL, WALL MOUNTED. STUB 1"C INTO ACCESSIBLE CEILING SPACE, TERMINATE W/ INSULATING BUSHING. WATTSTOPPER DLM #LMSW-222
D3	AUTOMATIC "ON/OFF" DUAL TECHNOLOGY OCCUPANCY SENSOR W/ DIMMING CONTROL, WALL MOUNTED. STUB 1"C INTO ACCESSIBLE CEILING SPACE, TERMINATE W/ INSULATING BUSHING. WATTSTOPPER DLM #LMDW-211
S	AUTOMATIC "ON/OFF" DUAL TECHNOLOGY OCCUPANCY SENSOR & SWITCH, WALL MOUNTED. STUB 1"C INTO ACCESSIBLE CEILING SPACE, TERMINATE WITH INSULATING BUSHING. WATTSTOPPER DLM #LMDW-101
PS	CEILING MOUNTED PHOTOSENSOR FOR DAYLIGHT CONTROL, AUTOMATIC SWITCHING & DIMMING FOR ONE LIGHTING ZONE. WATTSTOPPER LMLS-400.
O2	AUTOMATIC "ON/OFF" CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR. WATTSTOPPER DLM #LMDC-100
RC a	LIGHTING ROOM CONTROLLER ATTACHED TO JUNCTION BOX ABOVE CEILING, 1 RELAY CONTROLLER W/ 0-10V DIMMING. WATTSTOPPER DLM #LMRC-211
RC a,b	LIGHTING ROOM CONTROLLER ATTACHED TO JUNCTION BOX ABOVE CEILING, 2 RELAY CONTROLLER W/ 0-10V DIMMING. WATTSTOPPER DLM #LMRC-212
RC a,b,c	LIGHTING ROOM CONTROLLER ATTACHED TO JUNCTION BOX ABOVE CEILING, 3 RELAY CONTROLLER W/ 0-10V DIMMING. WATTSTOPPER DLM #LMRC-213
PL	PLUG LOAD ROOM CONTROLLER ATTACHED TO J-BOX ABOVE CEILING. WATTSTOPPER DLM #LMPL-111-20M
SUBSCRIPTS:	LIGHTING CONTROLS SUBSCRIPTS DESIGNATE THE FOLLOWING:
3W	= 3-WAY SWITCH
a,b,c	= LIGHTING/DEVICE CONTROL (LOWERCASE SUBSCRIPTS)
K	= KEYED
MC	= MOMENTARY CONTACT
T	= THERMAL OVERLOAD PROTECTED
WP	= WEATHERPROOF

LIGHTING SYMBOLS

SYMBOL	DESCRIPTION
	SUSPENDED LUMINAIRE.
	RECESSED MOUNTED LUMINAIRE.
	WALL MOUNTED LUMINAIRE.
	RECESSED DOWNLIGHT LUMINAIRE.
	PENDANT MOUNTED LUMINAIRE.
	CEILING OR WALL MOUNTED ILLUMINATED EXIT SIGN W/ DIRECTIONAL ARROWS NOTED ON PLANS. WORD 'EXIT' TO BE LOCATED IN SHADED FACE(S)
	WALL MOUNTED EMERGENCY LIGHT FIXTURE WITH MIN. 90 MINUTE BATTERY BACKUP.
B	LUMINAIRE TAG, LETTER INDICATES TYPE, SEE LUMINAIRE SCHEDULE.

FIRE ALARM SYMBOLS

SYMBOL	DESCRIPTION
CM	FIRE ALARM CONTROL MODULE.
FSD	FIRE/SMOKE DAMPER, N.I.E.S. DIVISION 26 CONTRACTOR SHALL PROVIDE DISCONNECT SWITCH WITH INTERNAL PILOT LIGHT AND CONNECT AS REQUIRED TO FIRE/SMOKE DAMPER.
F	FIRE ALARM MANUAL PULL STATION.
S	FIRE ALARM PHOTO ELECTRIC SMOKE DETECTOR.
	FIRE ALARM SPEAKER / STROBE COMBINATION.

NOTES
1. NUMBER NEXT TO STROBES INDICATES CANDLES, NO NUMBER = 15 CANDELA.
2. NUMBER NEXT TO SPEAKERS INDICATES WATTAGE, NO NUMBER = 1/4 WATT.

RACEWAY SYMBOLS

SYMBOL	DESCRIPTION
	RACEWAY INSTALLED IN CEILING OR WALL. ROUTE EXPOSED IN ALL UNFINISHED AREAS.
	RACEWAY INSTALLED BELOW FINISHED FLOOR, GRADE, OR FLOOR-CEILING ASSEMBLY.
X	EXISTING CONDUIT RUN TO BE ABANDONED. CONDUIT ABOVE THE FLOOR AND BELOW THE STRUCTURE ABOVE SHALL BE REMOVED. CONDUCTORS SHALL BE REMOVED.
	EXISTING CONDUIT RUN, VERIFY ROUTING ON THE JOB.
	ARROW AT END OF RACEWAY INDICATES HOME RUN TO RESPECTIVE PANELBOARD OR SWITCHBOARD.
	BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION INDICATES A 2 #12 AWG CIRCUIT WITH 1 #12 AWG GROUND.
	STRAIGHT CROSS-LINES IN BRANCH CIRCUIT RACEWAY INDICATE NUMBER OF #12 AWG WIRES IN A CIRCUIT. SHORT LINES INDICATE UNGROUNDED CONDUCTORS. LONG LINES INDICATE NEUTRAL CONDUCTORS. WIRES SHOWN ARE IN ADDITION TO 1 #12 AWG GROUNDING CONDUCTOR.
#10	BRANCH CIRCUIT WITH GROUNDING WIRE LARGER THAN #12 AWG. NUMBER ADJACENT TO CURVED CROSS-LINE INDICATES WIRE SIZE.
#10	BRANCH CIRCUIT RACEWAY WITH WIRE OTHER THAN #12 AWG. NUMBER ADJACENT TO STRAIGHT OR CURVED CROSS-LINES INDICATES WIRE SIZE. UNGROUNDED AND NEUTRAL CONDUCTORS SHALL BE THE SAME SIZE UNLESS OTHERWISE NOTED.

POWER DISTRIBUTION SYMBOLS

SYMBOL	DESCRIPTION
XXA/XP	NON FUSED DISCONNECT SWITCH. NUMBER ADJACENT INDICATES AMPERE RATING OF SWITCH AND POLES. REFER TO PLANS FOR ACTUAL RATINGS. MOUNT AT +48" AFF TO TOP OF DISCONNECT.
XXA/XP/XXF	FUSED DISCONNECT SWITCH W/ CLASS 'R' DUAL ELEMENT FUSES, SIZED PER EQUIPMENT NAME PLATE RATING. NUMBER ADJACENT INDICATES AMPERE RATING OF SWITCH / POLES / FUSE RATING. REFER TO PLANS FOR ACTUAL RATINGS. FUSE SIZE INDICATED ON PLANS IS USED AS THE BASIS OF DESIGN. FINAL FUSE SIZE INSTALLED SHALL BE CONFIRMED ON THE FIELD AGAINST EQUIPMENT NAMEPLATE RATING. MOUNT AT +48" AFF TO TOP OF DISCONNECT.
XXA/XP/XXT	ENCLOSED THERMAL MAGNETIC CIRCUIT BREAKER DISCONNECT. NUMBER ADJACENT INDICATES AMPERE RATING OF BREAKER / POLES / TRIP RATING. REFER TO PLANS FOR ACTUAL RATINGS. MOUNT AT +48" AFF TO TOP OF DISCONNECT.
S XXA	1-POLE 1-PHASE MOTOR RATED DISCONNECT SWITCH. AMPERAGE ADJACENT INDICATES AMPERE RATING OF SWITCH. SWITCH SHALL BE RATED 600V MAXIMUM FOR ALL SYSTEMS. MOUNT AT +48" AFF TO TOP OF BOX.
S XXA	2-POLE 1-PHASE MOTOR RATED DISCONNECT SWITCH. AMPERAGE ADJACENT INDICATES AMPERE RATING OF SWITCH. SWITCH SHALL BE 600V RATED SWITCH FOR ALL SYSTEMS. MOUNT AT +48" AFF TO TOP OF BOX.
S XXA	3-POLE 3-PHASE MOTOR RATED DISCONNECT SWITCH. AMPERAGE ADJACENT INDICATES AMPERE RATING OF SWITCH. SWITCH SHALL BE 600V RATED SWITCH FOR ALL SYSTEMS. MOUNT AT +48" AFF TO TOP OF BOX.
XX	EQUIPMENT, PROVIDED UNDER ANOTHER DIVISION, PROVIDE POWER CONNECTION AS INDICATED.
- -	EQUIPMENT, PROVIDED UNDER ANOTHER DIVISION, PROVIDE POWER CONNECTION AS INDICATED.
	DISTRIBUTION PANEL/MOTOR CONTROL CENTER.
	BRANCH CIRCUIT PANELBOARD, SURFACE MOUNTED.

PAGING DEVICE SYMBOLS

SYMBOL	DESCRIPTION
M L	JUNCTION BOX FOR FUTURE INTERCOM SPEAKER. PROVIDE 4 11/16" SQUARE X 2 7/8" DEEP BOX W/ 1-DEVICE RING AND PLATE. STUB 1 1/4" CONDUIT WITH 90 DEGREE BEND INTO ACCESSIBLE CEILING SPACE, TERMINATE W/ INSULATING BUSHING.
	JUNCTION BOX FOR FUTURE EXTERIOR INTERCOM SPEAKER. PROVIDE 4 11/16" SQUARE X 2 7/8" DEEP BOX W/ 1-DEVICE RING AND PLATE. STUB 1 1/4" CONDUIT WITH 90 DEGREE BEND INTO ACCESSIBLE CEILING SPACE, TERMINATE W/ INSULATING BUSHING.

SECURITY DEVICE SYMBOLS

SYMBOL	DESCRIPTION
IS	INTRUSION ALARM DOOR SWITCH.
ID	INTRUSION ALARM MOTION DETECTOR.
IP	INTRUSION ALARM POPIT MODULE.
K	INTRUSION ALARM KEYPAD.
SUBSCRIPTS: RA	DEVICE SUBSCRIPTS DESIGNATE THE FOLLOWING: = LOCATE FOR ROOF ACCESS HATCH.

ABBREVIATIONS

1PH, 3PH	1 PHASE, 3 PHASE
1P, 2P, 3P	1 POLE, 2 POLE, 3 POLE
3W, 4W	3 WIRE, 4 WIRE
(D)	DEMO, DEMOLISH
(E)	EXISTING
(ER)	EXISTING RELOCATED
(N)	NEW
(R)	RELOCATE
	-A-
A, AMPS	AMPERES
AC	ALTERNATING CURRENT
AF	FRAME RATING IN AMPERES
AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
AL, ALUM	ALUMINUM
ATS	AUTO TRANSFER SWITCH
AT	TRIP RATING IN AMPERES
AWG	AMERICAN WIRE GAUGE
	-B-
BTR	BUILDING TELECOM ROOM
	-C-
C	CONDUIT
CB,C/B	CIRCUIT BREAKER
CEC	CALIFORNIA ELECTRICAL CODE
CT	CURRENT TRANSFORMER
CU	COPPER
	-D-
DC	DIRECT CURRENT
	-E-
EA	EACH
ELEC	ELECTRICAL
EMT	ELECTRICAL METALLIC TUBING
	-F-
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FAPS	FIRE ALARM POWER SUPPLY
FATC	FIRE ALARM TERMINAL CABINET
FLA	FULL LOAD AMPS
FT	FOOT OR FEET
	-G-
G, GND	GROUND
GA	GAUGE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
	-H-
HOA	HAND-OFF-AUTO
HP	HORSE POWER
	-I-
IACP	INTRUSION ALARM CONTROL PANEL
IDF	INTERMEDIATE DISTRIBUTION FACILITY/FRAME
	-J-
J-BOX	JUNCTION BOX
	-K-
KVA	ONE THOUSAND VOLT-AMPS
KW	ONE THOUSAND WATTS
	-L-
LCP	LIGHTING CONTROL PANEL
LTG	LIGHTING
	-M-
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDF	MAIN DISTRIBUTION FACILITY/FRAME
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVER-CURRENT PROTECTION
MT	EMPTY CONDUIT W/ PULL-LINE
	-N-
NC	NORMALLY CLOSED
NCTC	NURSE CALL TERMINAL CABINET
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION
NIES	NOT INCLUDED IN ELECTRICAL SCOPE
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
	-O-
O.C./OC	ON CENTER
OCP	OVER-CURRENT PROTECTION
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
	-P-
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE CONDUIT
	-R-
RLA	RUNNING LOAD AMP
RSC	RIGID STEEL CONDUIT
	-S-
SPD	SURGE PROTECTION DEVICE
SPDT	SINGLE POLE DOUBLE THROW
SPST	SINGLE POLE SINGLE THROW
SST	SOLID STATE TRIP
STB	SIGNAL TERMINAL BACKBOARD
STC	SIGNAL TERMINAL CABINET
	-T-
TER	TELECOM EQUIPMENT ROOM
TR	TELECOM ROOM
TM	THERMAL MAGNETIC
TTB	TERMINAL BACKBOARD
	-U-
UG	UNDERGROUND
UL	UNDERWRITERS LAB.
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
	-V-
V	VOLTS
VA	VOLT-AMPS
VAB	VOICE AUDIO BOOSTER
VAC	VOLTS ALTERNATE CURRENT
	-W-
W	WATTS
WCR	WITHSTAND & CLOSING RATING
WP	WEATHERPROOF
	-X-
XFMR	TRANSFORMER
XFER	TRANSFER SWITCH

GENERAL NOTES

1. UNLESS OTHERWISE NOTED, ALL WORK AND MATERIAL SHOWN ON PLANS ARE NEW. EXISTING DEVICES AND EQUIPMENT ARE IDENTIFIED ON THE PLANS.
2. WHERE PROVIDED, THROUGH-PENETRATION FIRESTOP SYSTEM AND MEMBRANE PENETRATION DETAILS SHOWN IN THE DETAILS ARE FOR REFERENCE ONLY. THROUGH- PENETRATIONS AND MEMBRANE PENETRATIONS SHALL BE PROTECTED BY AN APPROVED PENETRATION FIRESTOP SYSTEM OR MEMBRANE PENETRATION FIRESTOP SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E 814 OR UL 1479, WITH A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH (2.49 PA) OF WATER OR AS OTHERWISE PERMITTED BY CBC, SECTION 714. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS AND MEMBRANE PENETRATIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE INSTALLATION DETAILS FOR LISTED SYSTEMS. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS, MEMBRANE PENETRATION PROTECTION AND OTHER PERMITTED MEANS AND METHODS OF PENETRATION PROTECTION SHALL BE SUBMITTED FOR DSA REVIEW AND APPROVAL PRIOR TO INSTALLATION.
3. ALL ELECTRICAL EQUIPMENT TO BE INSTALLED OR PERMANENTLY CONNECTED (HARDWIRED) SHALL BE LISTED, LABELED, OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) PER CEC 110.2.
4. ALL EQUIPMENT SHALL BE USED IN ACCORDANCE WITH LISTING PER CEC 110.3B.

STANDARD ELECTRICAL SYMBOLS

SYMBOL	DESCRIPTION
X.XXX A	CALCULATED AVAILABLE SHORT-CIRCUIT CURRENT.
X.XX% VD	PERCENT VOLTAGE DROP.
XXXX	FEEDER TAG, SEE FEEDER SCHEDULE.
XX	NUMBERED NOTE.
- -	ENLARGED PLAN OR DETAIL CALL-OUT.
T	TRANSFORMER.
M	UTILITY METER.
	CIRCUIT BREAKER.

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

Studio W Architects
1930 H Street
Sacramento, California 95811
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EDGE ELECTRICAL CONSULTING
Project Number M370
Contact CHRIS
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine | Hawaii

ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER JOSEPH CHUNG No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

GENERAL NOTES
1. This sheet is part of a set and is not to be used alone.
2. This sheet is not to be used for construction unless the architect's stamp and signature appear on the drawings and the status box indicated drawings have been released for construction.
3. These plans and prints thereof, as instruments of service, are owned by the architect and are for use on this project only. Reproduction and/or distribution without the prior written consent of the architect is forbidden.
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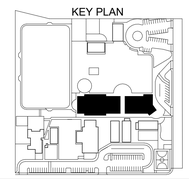
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

ABBREVIATIONS, SYMBOLS, & SHEET INDEX

Date 07/13/2026
Project Number 25010.1
Application Number 02-123800
Drawing Number 2E0.1
Drawn ERIC, ISAIAH, BRANDON
Author CHRIS

PRINT DATE: 07/10/2026 11:14:20 AM
FILE PATH: Autodesk Docs://25010 FOUSD Cordova Villa ES Mod/M370 - FOUSD Cordova Villa ES_R23_ELECTRICAL.rvt

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-E
This document is used to demonstrate compliance with mandatory requirements in §130.5, for electrical systems in newly constructed nonresidential and hotel/motel occupancies and §160.6 and §160.9 for electrical systems in newly constructed multifamily occupancies. Additions and alterations to electrical service systems in nonresidential and hotel/motel occupancies will also use this document to demonstrate compliance per §141.0(a) or §141.0(b)2P for alterations. For multifamily addition or alterations compliance will be documented per §180.1(a) or §180.2 (b)4Bviii	
Project Name: M370 - FCUSD Rancho Cordova Villa ES Modernization INC 2	**Report Page:** (Page 1 of 4)
Project Address:	**Date Prepared:** 2026-03-11T16:36:10-04:00

A. GENERAL INFORMATION

01	Project Location (city)	Rancho Cordova	02	Climate Zone	12
			03	Occupancy Types Within Project:	

● Classroom ● Office ● School or Classroom

B. PROJECT SCOPE

This table includes electrical systems that are within the scope of the permit application.

01	02	03	04	05	06	07
Electrical Service Designation/ Description	Scope of Work [1]	Rating[2] (kVA)	Utility Provided Metering System Exception to §130.5(a)/§160.6(a)[3]	System subject to CA Elec Code Article 517 Exception to §130.5(a)and (b)	Demand Response Controls	Provides power to dwelling units/common living areas only in multifamily occupancy
2E3.2	Add/Alt to feeders and branch circuits only	---	☐	☐	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections §120.2/§160.3, §130.1/§160.5, and §130.3/§160.5, and mechanical, indoor lighting, and sign lighting Certificate of Compliance documents will indicate when demand response controls are required.	☐

[1]FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c)/160.6(c), no other requirements from 130.5/160.6 are required.
[2] If common use areas in a multifamily are submetered, rating is for submeter size serving common use areas.
[3] Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-E
Project Name: M370 - FCUSD Rancho Cordova Villa ES Modernization INC 2	**Report Page:** (Page 2 of 4)
	Date Prepared: 2026-03-11T16:36:10-04:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through J. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

01		02		03		04	05	06
Service Electrical Metering §130.5(a)/ §160.6(a) (See Table F)	AND	Separation for Monitoring §130.5(b)/ §160.6(b) (See Table G)	AND	Voltage Drop §130.5(c)/ §160.6(c) (See Table H)	AND	Controlled Receptacles §130.5(d)/ §160.6(d) (See Table I)	Electric Ready §160.9 (See Table J)	**Compliance Results**
	AND		AND	Yes	AND			COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

H. VOLTAGE DROP

This table includes entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with §130.5(c)/ §160.6(c). For alterations, only the altered circuits must demonstrate compliance per §141.0(b)2Pii/ §180.2(b)4Bviic.

01	02			03	04	05	
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method			Location of Voltage Drop Calculations[1]	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector	
						Pass	Fail
2E3.2	☒ Voltage drop less than 5%	☐	Permitted by CA Elec Code (Exception to 130.5(c))*	In construction documents	2E3.2	☐	☐

** NOTES: If "Permitted by CA Elec Code *" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.*

[1] FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-E
Project Name: M370 - FCUSD Rancho Cordova Villa ES Modernization INC 2	**Report Page:** (Page 3 of 4)
	Date Prepared: 2026-03-11T16:36:10-04:00

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-ELC-E - Must be submitted for all buildings

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-E
Project Name: M370 - FCUSD Rancho Cordova Villa ES Modernization INC 2	**Report Page:** (Page 4 of 4)
Project Address: 10359 S WHITE ROCK ROAD, RANCHO CORDOVA, CA 95670	**Date Prepared:** 2026-03-11T16:36:10-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Eric Yan	Documentation Author Signature: Eric Yan
Company: EDGE Electrical Consulting	Signature Date: 03/12/2026
Address: 400 R Street, Ste 333	CEA/AEA/ECC Certification Identification (if applicable):
City/State/Zip: Sacramento, CA 95811	Phone: 916-256-2460

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Person Name: Sam Miller	Responsible Person Signature:
Responsible Person Scope:	
Company: EDGE Electrical Consulting	Date Signed: 03/12/2026
Address: 400 R Street, Ste 333	License: E 25479
City/State/Zip: Sacramento, CA 95811	Phone: 916-256-2460

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6 and §141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in §160.5, §170.2(e) and §180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.	
Project Name: M370 - FCUSD Rancho Cordova Villa ES Modernization INC 2	**Report Page:** (Page 1 of 14)
Project Address:	**Date Prepared:** 2026-03-13T17:57:22-04:00

A. GENERAL INFORMATION

01	Project Location (city)	Rancho Cordova	04	Total Conditioned Floor Area (ft²)	22,304
02	Climate Zone	12	05	Total Unconditioned Floor Area (ft²)	0
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1

● Classroom ● School or Classroom

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 / §170.2(e) or §141.0(b)2 / §180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	Area Category Method	22304	N/A	0
☐ New Lighting System - Parking Garage	N/A	0	N/A	0
Total Area of Work (ft²)	22304			

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: M370 - FCUSD Rancho Cordova Villa ES Modernization INC 2	**Report Page:** (Page 2 of 14)
	Date Prepared: 2026-03-13T17:57:22-04:00

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1 /§170.2(e)	Allowed Lighting Power per §140.6(b) /§170.2(e) (Watts)					Adjusted Lighting Power per §140.6(a) /§170.2(e) (Watts)					Compliance Results
	01	02	03		04		05	06		07	08
	Complete Building §140.6(c)1	Area Category §140.6(c)2 /§170.2(e)4	Area Category Additional §140.6(c)2G / §170.2(e)4Av (+)	=	**Total Allowed** (Watts)	≥	Total Designed (Watts)	Adjustments PAF Lighting Control Credits §140.6(a)2 /§170.2(e)1B (-)	=	**Total Adjusted** (Watts) *Includes Adjustments	**05 must be >= 08 §140.6 /§170.2(e)**
	(See Table I)	(See Table I)	(See Table J)				(See Table F)	(See Table P)			
Conditioned		11,056.7		=	11,056.7	≥	10,308.2		=	10308.2	COMPLIES
Unconditioned				=		≥		0	=		
Controls Compliance (See Table H for Details)											COMPLIES
One-for-one Luminaire Alterations Compliance (See Table Q for Details)											

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: M370 - FCUSD Rancho Cordova Villa ES Modernization INC 2	**Report Page:** (Page 3 of 14)
	Date Prepared: 2026-03-13T17:57:22-04:00

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change [1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per §140.6(a)3 / §170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
A1	2X2 TROFFER	No	NA	25	Mfr. Spec	215	No	5,375	☐	☐
A2	2X2 TROFFER	No	NA	21	Mfr. Spec	22	No	462	☐	☐
A3	2X4 TROFFER	No	NA	39.9	Mfr. Spec	30	No	1,197	☐	☐
A4	2X4 TROFFER	No	NA	29	Mfr. Spec	5	No	145	☐	☐
B1	4FT WRAP	No	NA	57	Mfr. Spec	12	No	684	☐	☐
B2	4FT WRAP	No	NA	31	Mfr. Spec	27	No	837	☐	☐
C1	4FT SLOT	No	NA	28.4	Mfr. Spec	15	No	426	☐	☐
C2	4FT SLOT	No	NA	14.4	Mfr. Spec	8	No	115.2	☐	☐
D1	DOWN LIGHT	No	NA	21	Mfr. Spec	5	No	105	☐	☐
D2	DOWN LIGHT	No	NA	11	Mfr. Spec	26	No	286	☐	☐
F1	PENDANT	No	NA	8	Mfr. Spec	3	No	24	☐	☐
P1	PENDANT	No	NA	52	Mfr. Spec	10	No	520	☐	☐
P2	PENDANT	No	NA	12	Mfr. Spec	11	No	132	☐	☐
							Total Designed Watts: CONDITIONED SPACES	10,308.2		

[1]FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B /§170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.
[2]Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) /§160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.

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G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
Mandatory Demand Response §110.12(c)	Shut-off controls §130.1(c) / §160.5(b)4C	Field Inspector	
		Pass	Fail
Required >= 4,000W subject to multilevel	See Area/Space Level Controls (Column 8)	☐	☐

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Controls §130.1(a) /§160.5(b)4A	Multi-Level Controls §130.1(b) /§160.5(b)4B	Shut-Off Controls §130.1(c) //§160.5(b)4C	Primary/Skylit Daylighting §130.1(d) /§160.5(b)4D	Secondary Daylighting §130.1(d) /§160.5(b)4D	Interlocked Systems §140.6(a)1/ §170.2(e)2A	Field Inspector	
								Pass	Fail
STAFF LOUNGE	Lounge	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
CUBICLE WORKSPACE	Office (>250 square feet)	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
STAFF WORKROOM	Office (>250 square feet)	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐

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H. INDOOR LIGHTING CONTROLS (Not including PAFs)

BEHAVIOR SPEC.	Office (<=250 square feet)	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
STORAGE	Storage - MF common areas	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
IEP MEETING SPACE	Convention, Conference, Multipurpose and Meeting Center	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
SOCIAL WORKER	Office (<=250 square feet)	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
BILINGUAL ASSISTANCE	Office (<=250 square feet)	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
MEDIA CENTER	Lounge	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
SMALL GROUP	Lounge	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
SPEECH	Office (<=250 square feet)	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

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1930 H Street
Sacramento, California 95811
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EDGE ELECTRICAL CONSULTING
Project Number M370
Contact CHRIS
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine | Hawaii

ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	PROFESSIONAL ENGINEER ERIC YAN No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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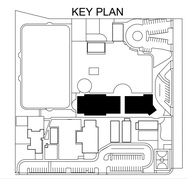
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

TITLE 24

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2E0.2
Drawn / Author: ERIC, ISAIAH, BRANDON / CHRIS	

PRINT DATE: 07/10/2026 11:14:39 AM
FILE PATH: Autodesk Docs://25010 FCUSD Cordova Villa ES Mod/M370 - FCUSD Cordova Villa ES_R23_ELECTRICAL.rvt

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H. INDOOR LIGHTING CONTROLS (Not including PAFs)

CUSTODIAL OFFICE	Office (<=250 square feet)	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
STAFF RESTROOM	Restroom	Auth. Personnel	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	Yes	☐	☐
PSYCH	Office (<=250 square feet)	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
LACTATION ROOM	Office (<=250 square feet)	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
INSTRUCTIONAL COACH	Office (<=250 square feet)	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
SMALL CONFERENCE ROOM	Convention, Conference, Multipurpose and Meeting Center	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
RESTROOM	Restroom	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
MDF	Electrical, Mechanical, or Telephone Room	Readily Accessible and located in the same space.	NA: Indoor space with only 1 luminaire	NA: Elec. equip. rm	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐

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H. INDOOR LIGHTING CONTROLS (Not including PAFs)

PRINT/STORAGE ROOM	Copy Room	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
WAITING	Lounge/Waiting (Low Vision)	Auth. Personnel	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
RECEPTION	Office (>250 square feet)	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
OUTSIDE AGENCIES OFFICE	Office (<=250 square feet)	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
HEALTH ROOM	Lounge	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
NURSE OFFICE	Office (<=250 square feet)	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
ELECTRICAL ROOM	Electrical, Mechanical, or Telephone Room	Readily Accessible and located in the same space.	NA: Indoor space with only 1 luminaire	NA: Elec. equip. rm	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
FILE STORAGE	Storage - MF common areas	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐

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H. INDOOR LIGHTING CONTROLS (Not including PAFs)

AP	Office (<=250 square feet)	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
PRINCIPAL	Office (<=250 square feet)	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
CLASSROOM	Classroom, Lecture, or Training Vocational	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
OPEN CLASSROOM	Classroom, Lecture, or Training Vocational	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
CUSTODIAL STORAGE	Storage - MF common areas	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
INTERVENTION	Office (<=250 square feet)	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
RESTROOMS	Restroom	Auth. Personnel	NA: Restrooms	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
RSP	Classroom, Lecture, or Training Vocational	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐

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H. INDOOR LIGHTING CONTROLS (Not including PAFs)

ELECTRICAL ROOM	Electrical, Mechanical, or Telephone Room	Readily Accessible and located in the same space.	NA: Indoor space with only 1 luminaire	NA: Elec. equip. rm	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
IDF	Electrical, Mechanical, or Telephone Room	Readily Accessible and located in the same space.	NA: Indoor space with only 1 luminaire	NA: Elec. equip. rm	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
							13		
							Plan Sheet Showing Daylit Zones:		
							2E2.1.11, 2E2.1.12, 2E2.2.10, 2E2.2.11		

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per §140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used .

Conditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area CategoryPAF	PAF
STAFF LOUNGE	Lounge	0.55	605	332.75	No	No
CUBICLE WORKSPACE	Office (>250 square feet)	0.6	720	432	No	No
STAFF WORKROOM	Office (>250 square feet)	0.6	275	165	No	No
BEHAVIOR SPEC.	Office (<=250 square feet)	0.65	420	273	No	No
STORAGE	Storage - MF common areas	0.4	130	52	No	No
IEP MEETING SPACE	Convention, Conference, Multipurpose and Meeting Center	0.75	320	240	No	No
MEDIA CENTER	Lounge	0.55	1,420	781	No	No
SMALL GROUP	Lounge	0.55	150	82.5	No	No
SPEECH	Office (<=250 square feet)	0.65	350	227.5	No	No

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I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

CUSTODIAL OFFICE	Office (<=250 square feet)	0.65	105	68.25	No	No
STAFF RESTROOM	Restroom	0.65	315	204.75	No	No
PSYCH	Office (<=250 square feet)	0.65	135	87.75	No	No
LACTATION ROOM	Office (<=250 square feet)	0.65	76	49.4	No	No
INSTRUCTIONAL COACH	Office (<=250 square feet)	0.65	245	159.25	No	No
SMALL CONFERENCE ROOM	Convention, Conference, Multipurpose and Meeting Center	0.75	280	210	No	No
MDF	Electrical, Mechanical, or Telephone Room	0.4	126	50.4	No	No
PRINT/STORAGE ROOM	Copy Room	0.5	150	75	No	No
WAITING	Lounge/Waiting (Low Vision)	0.8	195	156	No	No
RECEPTION	Office (>250 square feet)	0.6	545	327	No	No
OUTSIDE AGENCIES OFFICE	Office (<=250 square feet)	0.65	95	61.75	No	No
HEALTH ROOM	Lounge	0.55	260	143	No	No
NURSE OFFICE	Office (<=250 square feet)	0.65	115	74.75	No	No
ELECTRICAL ROOM	Electrical, Mechanical, or Telephone Room	0.4	85	34	No	No
FILE STORAGE	Storage - MF common areas	0.4	155	62	No	No
AP	Office (<=250 square feet)	0.65	135	87.75	No	No
PRINCIPAL	Office (<=250 square feet)	0.65	215	139.75	No	No
CLASSROOM	Classroom, Lecture, or Training Vocational	0.6	9,104	5,462.4	No	No
INTERVENTION	Office (<=250 square feet)	0.65	205	133.25	No	No
CUSTODIAL STORAGE	Storage - MF common areas	0.4	105	42	No	No
RESTROOMS	Restroom	0.65	530	344.5	No	No
RSP	Classroom, Lecture, or Training Vocational	0.6	630	378	No	No
ELECTRICAL ROOM	Electrical, Mechanical, or Telephone Room	0.4	170	68	No	No
IDF	Electrical, Mechanical, or Telephone Room	0.4	130	52	No	No
		TOTALS:	18,496	11,056.7	See Tables J, or P for detail	

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J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. ONE-FOR-ONE LUMINAIRE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

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V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	STAFF LOUNGE; CUBICLE WORKSPACE; STAFF WORKROOM; BEHAVIOR SPEC.; STORAGE; IEP MEETING SPACE; SOCIAL WORKER; BILINGUAL ASSISTANCE; MEDIA CENTER; SMALL GROUP; SPEECH; CUSTODIAL OFFICE; STAFF RESTROOM; PSYCH; LACTATION ROOM; INSTRUCTIONAL COACH; SMALL CONFERENCE ROOM; RESTROOM; PRINT/STORAGE ROOM; WAITING; RECEPTION; OUTSIDE AGENCIES OFFICE; HEALTH ROOM; NURSE OFFICE; FILE STORAGE; AP; PRINCIPAL; CLASSROOM; OPEN CLASSROOM; CUSTODIAL STORAGE; INTERVENTION; RESTROOMS; RSP

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V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

NRCA-LTI-03-A - Must be submitted for daylight responsive controls.	STAFF LOUNGE; CUBICLE WORKSPACE; IEP MEETING SPACE; MEDIA CENTER; INSTRUCTIONAL COACH; SMALL CONFERENCE ROOM; RECEPTION; PRINCIPAL; CLASSROOM; OPEN CLASSROOM; RSP
NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	STAFF LOUNGE; CUBICLE WORKSPACE; STAFF WORKROOM; BEHAVIOR SPEC.; STORAGE; IEP MEETING SPACE; SOCIAL WORKER; BILINGUAL ASSISTANCE; MEDIA CENTER; SMALL GROUP; SPEECH; CUSTODIAL OFFICE; STAFF RESTROOM; PSYCH; LACTATION ROOM; INSTRUCTIONAL COACH; SMALL CONFERENCE ROOM; RESTROOM; MDF; PRINT/STORAGE ROOM; WAITING; RECEPTION; OUTSIDE AGENCIES OFFICE; HEALTH ROOM; NURSE OFFICE; ELECTRICAL ROOM; FILE STORAGE; AP; PRINCIPAL; CLASSROOM; OPEN CLASSROOM; CUSTODIAL STORAGE; INTERVENTION; RESTROOMS; RSP; ELECTRICAL ROOM; IDF

STATE OF CALIFORNIA
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CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: M370 - FCUSD Rancho Cordova Villa ES Modernization INC 2	**Report Page:**	**(Page 14 of 14)**
Project Address: 10359 S WHITE ROCK ROAD, RANCHO CORDOVA, CA 95670	**Date Prepared:**	2026-03-13T17:57:22-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Eric Yan	Documentation Author Signature: Eric Yan
Company: EDGE Electrical Consulting	Signature Date: 03/12/2026
Address: 400 R Street, Ste 333	CEA/AEA/ECC Certification Identification (if applicable):
City/State/Zip: Sacramento, CA 95811	Phone: 916-256-2460

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Person Name: Sam Miller	Responsible Person Signature:
Responsible Person Scope:	
Company: EDGE Electrical Consulting	Date Signed: 03/12/2026
Address: 400 R Street, Ste 333	License: E 25479
City/State/Zip: Sacramento, CA 95811	Phone: 916-256-2460

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STUDIO W ARCHITECTS

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1930 H Street
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EDGE ELECTRICAL CONSULTING

Project Number M370
Contact CHRIS

400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460

Sacramento | Alameda | Irvine | Hawaii

ARCHITECT	ENGINEER
	PROFESSIONAL ENGINEER ERIC YAN No. E 017376 ELECTRICAL STATE OF CALIFORNIA
DATE SIGNED: 07/13/2026	07/10/2026

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REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

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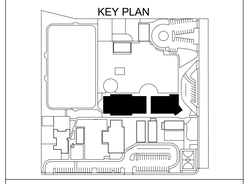
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

TITLE 24

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2E0.3
Drawn: ERIC, ISAIAH, BRANDON	
Author: CHRIS	

PRINT DATE: 07/10/2026 11:14:40 AM
FILE PATH: Autodesk Docs://25010 FCUSD Cordova Villa ES Mod/M370 - FCUSD Cordova Villa ES_R23_ELECTRICAL_rvt

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
This document is used to demonstrate compliance with requirements in §110.9, §130.0, §130.2, §140.7, and §141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in §160.5, §170.2(e)6, §180.1(a) and §180.2(b)4Bv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.	
Project Name: M370 - FCUSD Rancho Cordova Villa ES Modernization INC 2	**Report Page:** (Page 1 of 7)
Project Address:	**Date Prepared:** 2026-03-11T18:46:34-04:00

A. GENERAL INFORMATION

01	Project Location (city)	Rancho Cordova	04	Total Illuminated Hardscape Area (ft²)	11958
02	Climate Zone	12			
03	Outdoor Lighting Zone per Title 24 Part 1	§10.114 or as designated by Authority Having Jurisdiction (AHJ):			
☐	LZ-0: Very Low - Undeveloped Parkland	☐ LZ-2: Moderate - Urban Clusters	☐	LZ-4: High - Must be reviewed by CA Energy Commission for Approval	
☐	LZ-1: Low - Rural Areas	☒ LZ-3: Moderately High - Urban Areas			
05	Occupancy Types within Project				
• School or Classroom					

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 / §170.2(e)6 or §141.0(b)2L / § 180.2(b)4Bv for alterations.

My Project Consists of:

01	02		
☒	New Lighting System	Must Comply with Allowances from §140.7 / §170.2(e)6	
☐	Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)?	○ Yes ○ No
03		04	05
% of Existing Luminaires Being Altered[1]		Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%			

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] *FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.*

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: M370 - FCUSD Rancho Cordova Villa ES Modernization INC 2	**Report Page:** (Page 2 of 7)
	Date Prepared: 2026-03-11T18:46:34-04:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) §140.7 / §170.2(e)6 or §141.0(b)2L / § 180.2(b)4Bv												Compliance Results		
01		02		03		04		05		06		07		08	09
General Hardscape Allowance §140.7(d)1 / §170.2(e)6 (See Table I)	+	Per Application §140.7(d)2 / §170.2(e)6 (See Table J)	+	Sales Frontage §140.7(d)2 (See Table K)	+	Ornamental §140.7(d)2 / §170.2(e)6 (See Table L)	+	Per Specific Area §140.7(d)2 / §170.2(e)6 (See Table M)	OR	Existing Power Allowance §141.0(b)2L / § 180.2(b)4Bv (See Table N)	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 must be >= 08**
776.12	+	---	+	---	+	---	+	---	OR	---	=	776.12	≥	700	COMPLIES
Shielding Compliance (See Table G for Details)															N/A
Controls Compliance (See Table H for Details)															COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: M370 - FCUSD Rancho Cordova Villa ES Modernization INC 2	**Report Page:** (Page 3 of 7)
	Date Prepared: 2026-03-11T18:46:34-04:00

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with §140.7 / §170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1, 2]	How is Wattage determined	Total Number Luminaires [2]	Luminaire Status[3]	Excluded per §140.7(a) / §170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output §130.2(b) /§160.5(c)1 [4]	Field Inspector	
										Pass	Fail
D2S	DOWN LIGHT	☐ Linear	11	Mfr. Spec	26	New	☐	286	NA: < 6200 lumens	☐	☐
E1	WALLPACK	☐ Linear	23	Mfr. Spec	18	New	☐	414	NA: < 6200 lumens	☐	☐
							Total Design Watts:	700			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b)

[1] *FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) / §160.5(b)*
[2] *For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.*
[3] *Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.*
[4] *Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by §130.2(b)/ §160.5(c)*

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

STATE OF CALIFORNIA
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CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: M370 - FCUSD Rancho Cordova Villa ES Modernization INC 2	**Report Page:** (Page 4 of 7)
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H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off §130.2(c)1 / §160.5(c)	Auto-Schedule §130.2(c)2 / §160.5(c)	Motion Sensor §130.2(c)3 / §160.5(c)	Field Inspector	
				Pass	Fail
SITE LIGHTING: "D2S"	Astronomical Timer	Provided	NA: Each Luminaire <= 40 Watts	☐	☐
SITE LIGHTING: "E1"	Astronomical Timer	Provided	NA: Each Luminaire <= 40 Watts	☐	☐

[1] *FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.*
[2] *Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.*
[3] *Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.*

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: M370 - FCUSD Rancho Cordova Villa ES Modernization INC 2	**Report Page:** (Page 5 of 7)
	Date Prepared: 2026-03-11T18:46:34-04:00

I. LIGHTING POWER ALLOWANCE (per §140.7 /§170.2(e))

This table includes areas using allowance calculations per §140.7 /§170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.
Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

	01				
		"Use it or lose it" Allowance (select all that apply) (select all that apply)			
☒ General Hardscape Allowance Table I (below)	☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☐ Per Specific Area Table M	

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

02	03	04	05	06	07	08	09
Area Description	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)
	Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
SITE LIGHTING	11958	0.021	251.12	1375	0.2	275	526.12
Initial Wattage Allowance for Entire Site (Watts):							250
Instances of Initial Wattage Allowance (LZ 0 only)[1]							
Total General Hardscape Allowance (Watts):							776.12

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

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CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
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	Date Prepared: 2026-03-11T18:46:34-04:00

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	SITE LIGHTING: "D2S"; SITE LIGHTING: "E1"

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: M370 - FCUSD Rancho Cordova Villa ES Modernization INC 2	**Report Page:** (Page 7 of 7)
Project Address: 10359 S WHITE ROCK ROAD, RANCHO CORDOVA, CA 95670	**Date Prepared:** 2026-03-11T18:46:34-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Eric Yan	Documentation Author Signature: Eric Yan
Company: EDGE Electrical Consulting	Signature Date: 03/12/2026
Address: 400 R Street, Ste 333	CEA/AEA/ECC Certification Identification (if applicable):
City/State/Zip: Sacramento, CA 95811	Phone: 916-256-2460

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Person Name: Sam Miller	Responsible Person Signature:
Responsible Person Scope:	
Company: EDGE Electrical Consulting	Date Signed: 03/12/2026
Address: 400 R Street, Ste 333	License: E 25479
City/State/Zip: Sacramento, CA 95811	Phone: 916-256-2460

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

Studio W Architects
1930 H Street
Sacramento, California 95811
[T] 916.254.5600
www.StudioW-Architects.com

EDGE ELECTRICAL CONSULTING
Project Number M370
Contact CHRIS
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine | Hawaii

ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	REGISTERED PROFESSIONAL ENGINEER ERIC YAN No. E 025479 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

GENERAL NOTES
1. This sheet is part of a set and is not to be used alone.
2. This sheet is not to be used for construction unless the architect's stamp and signature appear on the drawings and the status box indicated drawings have been released for construction.
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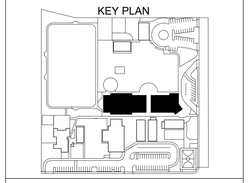
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

TITLE 24

Date	Project Number
07/13/2026	25010.1
Application Number	**Drawing Number**
02-123800	2E0.4
Drawn ERIC, ISAIAH, BRANDON	
Author CHRIS	

PRINT DATE: 07/10/2026 11:14:47 AM
FILE PATH: Autodesk Docs://25010 FCUSD Cordova Villa ES Mod/M370 - FCUSD Cordova Villa ES_R23_ELECTRICAL.rvt

LUMINAIRE SCHEDULE

TYPE MARK	MANUFACTURER	MODEL	DESCRIPTION	MOUNTING	LAMP	VOLTS	WATTS	REMARKS
A1	COLUMBIA LIGHTING	CCL22-LSCS MED	2X2 TROFFER; 3387 LUMENS; 4000K CCT	RECESSED	LED	UNV	25	
A2	COLUMBIA LIGHTING	CCL22-LSCS LOW	2X2 TROFFER; 2929 LUMENS; 4000K CCT	RECESSED	LED	UNV	21	
A3	COLUMBIA LIGHTING	CCL24-LSCS MED	2X4 TROFFER; 5744 LUMENS; 3500K CCT	RECESSED	LED	UNV	39.9	
A4	COLUMBIA LIGHTING	CCL24-LSCS LOW	2X4 TROFFER; 4810 LUMENS; 4000K CCT	RECESSED	LED	UNV	29	
B1	AVX	AVX-4-L62-8-35-WPC-DIM-UNV	4FT WRAP; 6200 LUMENS; 3500K CCT	SURFACE	LED	UNV	57	0-10V DIMMING
B2	AVX	AVX-4-L36-8-35-WPC-DIM-UNV	4FT WRAP; 3600 LUMENS; 3500K CCT	SURFACE	LED	UNV	31	0-10V DIMMING
C1	FINELITE	HP-4-R-D-4FT-H-835	4FT SLOT; 2900 LUMENS; 3500K CCT	RECESSED	LED	UNV	28.4	
C2	FINELITE	HP-4-R-D-4FT-S-835	4FT SLOT; 1524 LUMENS; 3500K CCT	RECESSED	LED	UNV	14.4	
D1	FOCAL POINT LLC	FLC6D-RF-2000L-277-LD1-LC6-2000L-35K	DOWN LIGHT; 2000 LUMENS; 3500K CCT	RECESSED	LED	277	21	
D2	FOCAL POINT LLC	FLC6D-RF-1000L-277-LD1-LC6-1000L-35K	DOWN LIGHT; 1000 LUMENS; 3500K CCT	RECESSED	LED	277	11	
D2S	FOCAL POINT LLC	FLC6D-RF-1000L-277-LD1-LC6-1000L-35K-WL	DOWN LIGHT; 1000 LUMENS; 3500K CCT; WET LOCATION	RECESSED	LED	277	11	
E1	GARDCO	GWM-A07-840-T2M-UNV	WALLPACK, 4000 LUMENS; 4000K CCT	SURFACE	LED	UNV	23	
F1	VISA LIGHTING	CP7200-L35K(L)-MVOLT-DIFF-XXX-XXX-SDC-XXX-XXX	PENDANT; 905 LUMENS; 80 CRI	SUSPENDED	LED	MVOLT	8	
P1	VISA LIGHTING	CP4412-L35K(M)-MVOLT-XXX-XXX-XXX	PENDANT; 5600 LUMENS; 3500K CCT	SUSPENDED	LED	MVOLT	52	
Q1	Focal Point	APY-24S-OVO-C24-FLCY3N-RD-4H-1100DN-35K-1C-UNV-MPCA	Lit Acoustic Pendant	SUSPENDED	LED			
Q2	FOCAL POINT LLC	AUPY-24S-OVO-C24	UNLIT ACOUSTIC PENDANT	SUSPENDED	N/A	N/A		
R1	FOCAL POINT LLC	ASM2S-XX-##-##LF-30K-1C-UNV	4', 2.5" ACOUSTIC LINEAR DIRECT LED; 3500K CCT	SUSPENDED	LED	UNV	28.4	
R2	FOCAL POINT LLC	ASM2S-XX-##-##LF-30K-1C-UNV	8', 2.5" ACOUSTIC LINEAR DIRECT LED; 3500K CCT	SUSPENDED	LED	UNV	60	
R3	FOCAL POINT LLC	AUSM2S-SD-J24_-__-8FT_	8', 2.5" ACOUSTIC	SUSPENDED	N/A	N/A		
T	FLUXWERX ILLUMINATION	LN1-P-0	FLUXWERX LINES SUSPENDED LUMINAIRE	SUSPENDED	LED			
X1	EVENLITE	SL-20-1-R-B-MB	EXIT SIGNAGE	SURFACE	LED			
X2	EMERGI-LITE	12MPR12M-2-LJ-CEC	EMERGENCY LIGHT FIXTURE	SURFACE	LED	277	20	EMERGENCY LIGHT FIXTURE TO OPERATE ONLY DURING POWER FAILURE
X3	EVENLITE	WW-EM-FINISH	EXTERIOR EMERGENCY LIGHT	SURFACE	LED	277	15	ARCHITECT TO SELECT FINISH. BYPASS PHOTOCELL. EMERGENCY FIXTURE TO OPERATE ONLY DURING POWER FAILURE.

MECHANICAL SCHEDULE

EQUIP_TYPE	EQUIP_#	VOLTAGE / PHASE	HP	FLA	kVA	MCA	MOCP	EQUIP_FEEDERS
CEF	B1	120 V/1	0.02	0.19	0.02 kVA			
CEF	B2	120 V/1	0.02	0.19	0.02 kVA			
CEF	B3	120 V/1	0.02	0.19	0.02 kVA			
CEF	B4	120 V/1	0.02	0.19	0.02 kVA			
CEF	A1	120 V/1	0.02	0.19	0.02 kVA			
CEF	A5	120 V/1	0.02	0.19	0.02 kVA			
CEF	B2	120 V/1	0.02	0.19	0.16 kVA			
CEF	B2	480 V/1	0.02	0.19	7.80 kVA			
CEF	A2	120 V/1	0.02	0.19	0.02 kVA			
CEF	A3	120 V/1	0.02	0.19	0.02 kVA			
CEF	A4	120 V/1	0.02	0.19	0.02 kVA			
CP	A1	120 V/1			0.16 kVA		15	
ERV	A1	480 V/3			4.16 kVA	5	15	
FC	B1	208 V/1			0.24 kVA	.9	15	
FC	A10	208 V/1			0.14 kVA	0.3	15	
FC	A1	208 V/1			0.69 kVA	3.6	15	
FC	A2	208 V/1			0.61 kVA	3.1	15	
FC	A3	208 V/1			0.41 kVA	1.9	15	
FC	A4	208 V/1			0.14 kVA	0.3	15	
FC	A5	208 V/1			0.14 kVA	0.3	15	
FC	A6	208 V/1			0.14 kVA	0.3	15	
FC	A7	208 V/1			0.14 kVA	0.3	15	
FC	A8	208 V/1			0.24 kVA	0.9	15	
FC	A9	208 V/1			0.14 kVA	0.3	15	
FC	A11	208 V/1			0.24 kVA	0.9	15	
FC	A12	208 V/1			0.14 kVA	0.3	15	
FC	A13	208 V/1			0.41 kVA	1.9	15	
FC	A14	208 V/1			0.14 kVA	0.3	15	
FC	A15	208 V/1			0.59 kVA	3	15	
FC	A16	208 V/1			0.14 kVA	0.3	15	
FC	A17	208 V/1			0.14 kVA	0.3	15	
FC	A18	208 V/1			0.14 kVA	0.3	15	
HP	B1	208 V/1			0.83 kVA	20	20	
HR	A1	480 V/3		27.3	22.69 kVA	33	40	
IDU	B2	208 V/1			0.00 kVA			POWERED BY OUTDOOR UNIT, INTEGRAL CONDENSATE PUMP, 120V, 1.5A.
IDU	B1	208 V/1			0.00 kVA			POWERED BY OUTDOOR UNIT, INTEGRAL CONDENSATE PUMP, 120V, 1.5A.
IDU	A1	208 V/1			0.00 kVA			POWERED BY OUTDOOR UNIT, INTEGRAL CONDENSATE PUMP, 120V, 1.5A.
IDU	A2	208 V/1			0.00 kVA			POWERED BY OUTDOOR UNIT, INTEGRAL CONDENSATE PUMP, 120V, 1.5A.
MCU	A1	208 V/1			0.33 kVA	2		
MCU	A2	208 V/1			0.33 kVA	2		
MCU	A2	480 V/1			5.01 kVA	2		
MCU	A3	208 V/1			0.33 kVA	2		
ODU	B2	208 V/1		18	3.74 kVA	22	25	
ODU	A1	208 V/1		18	3.74 kVA	22	25	
ODU	A2	208 V/1		18	3.74 kVA	22	25	
ODU	B1	208 V/1		18	3.74 kVA	22	25	
PHP	A1	480 V/3		16.1	13.38 kVA	23	25	
PHP	A2	480 V/3		24	19.95 kVA	29	30	
PHP	A3	480 V/3		15.2	12.63 kVA	19	20	
PHP	A1PE	480 V/3	1/2	1	0.83 kVA	2	3	
PHP	A2PE	480 V/3	3/4	2	1.66 kVA	2	3	
PHP	A3PE	480 V/3	1/2	1	0.83 kVA	2	3	
PHP	B1	480 V/3		16.1	13.38 kVA	23	25	
PHP	B2	480 V/3		16.1	13.38 kVA	23	25	
PHP	B3	480 V/3		16.1	13.38 kVA	23	25	
PHP	B4	480 V/3		16.1	13.38 kVA	23	25	
PHP	B5	480 V/3		16.1	13.38 kVA	23	25	
PHP	B6	480 V/3		16.1	13.38 kVA	29	25	
PHP	B7	480 V/3		16.1	13.38 kVA	23	25	
PHP	B8	480 V/3		16.1	13.38 kVA	23	25	
PHP	B9	480 V/3		16.1	13.38 kVA	23	25	
PHP	B10	480 V/3		16.1	13.38 kVA	23	25	
PHP	B11	480 V/3		16.1	13.38 kVA	23	25	
PHP	B12	480 V/3		15.2	12.63 kVA	19	20	
PHP	B1PE	480 V/3	1/2	1	0.83 kVA	2	3	
PHP	B2PE	480 V/3	1/2	1	0.83 kVA	2	3	
PHP	B3PE	480 V/3	1/2	1	0.83 kVA	2	3	
PHP	B4PE	480 V/3	1/2	1	0.83 kVA	2	3	
PHP	B5PE	480 V/3	1/2	1	0.83 kVA	2	3	
PHP	B6PE	480 V/3	1/2	1	0.83 kVA	2	3	
PHP	B7PE	480 V/3	1/2	1	0.83 kVA	2	3	
PHP	B8PE	480 V/3	1/2	1	0.83 kVA	2	3	
PHP	B9PE	480 V/3	1/2	1	0.83 kVA	2	3	
PHP	B10PE	480 V/3	1/2	1	0.83 kVA	2	3	
PHP	B11PE	480 V/3	1/2	1	0.83 kVA	2	3	
PHP	B12PE	480 V/3	1/2	1	0.83 kVA	2	3	
REF	B1	120 V/1	0.16	2.20	0.26 kVA	3	15	
REF	A1	120 V/1	.07	1.3	0.16 kVA	2	15	
UH	B1	480 V/1			5.00 kVA	15		

PROPOSED SEQUENCE OF OPERATIONS

BUILDING / SPACE TYPE	CONTROL: MANUAL CONTROL	CONTROL: TIME CLOCK	CONTROL: OCCUPANCY SENSOR	CONTROL: DAYLIGHT HARVESTING		
STAFF LOUNGE, MEDIA CENTER, WORKSPACE, MEETING SPACE, INSTRUCTION COACH, CONFERENCE, WAITING, RECEPTION, PRINCIPAL, AP, NURSE OFFICE	X		X	X	ON:	The lights will automatically turn on to 100% when the space becomes occupied.
					ADJUST:	The lights are adjusted between preset and raise/lower buttons. *The lights will continuously adjust to maintain 30 foot-candle based on the available daylight within the space.
					OFF:	After the spaces has been vacant for 10 minutes. The lights will automatic off.
SMALL GROUP, SPEECH, PSYCH, LACTATION, STAFF WORKROOM, BEHAVIOR INT/SPEC, BILINGUAL ASST, SOCIAL WORKER, HEALTH ROOM, OUTSIDE AGENCIES, PRINT/STORAGE, RSP, INTERVEN	X		X		ON:	The lights will automatically turn on to 100% when the space becomes occupied.
					ADJUST:	The lights are adjusted between preset and raise/lower buttons.
					OFF:	After the spaces has been vacant for 10 minutes. The lights will automatic off.
RESTROOM,. CUSTODIAL OFFICE, STORAGE, PANTRY	X		X		ON:	The lights will automatically turn on to 100% when the space becomes occupied.
					OFF:	After the spaces has been vacant for 10 minutes. The lights will automatic off.
ELECTRICAL ROOM, MDF, IDF, FIRE RISER	X				ON:	Manual.
					OFF:	Manual.
CORRIDOR, HALLWAY, COLLABORATION			X		ON:	Daytime(6:00 am to 7:00pm)The lights will automatically turn on to 100% when the space becomes occupied.
					ADJUST:	During normal office hour, the lights will reduce 50% after the spaces has been vacant 15 minutes, and returned to 100% after occupancy detected.
					OFF:	Afterhours mode the spaces has been vacant for 15 minutes. The lights will automatic off.
CLASSROOMS	X		X	X	ON:	The lights will automatically turn on to 100% when the space becomes occupied.
					ADJUST:	The lights are adjusted between preset and raise/lower buttons. *The lights will continuously adjust to maintain 40 foot-candle based on the available daylight within the space.
					OFF:	After the spaces has been vacant for 10 minutes. The lights will automatic off.

LIGHTING CONTROL NOTES:

1. THE LIGHTS SHALL AUTOMATICALLY TURN ON TO 100% INTENSITY USING A 3 SECOND FADE RATE WHEN OCCUPANCY IS DETECTED. THE OCCUPANT MAY MANUALLY INCREASE OR DECREASE THE LIGHTING INTENSITY AS DESIRED. THE LIGHTS MAY BE MANUALLY TURNED OFF.
2. THE PRIMARY DAYLIT ZONE AS SHOWN IS ONE WINDOW HEAD HEIGHT DEEP BY HALF WINDOW HEAD HEIGHT WIDE ON EACH SIDE. THE SECONDARY DAYLIT ZONE SHALL EXTEND FROM THE PRIMARY DAYLIT ZONE BY ONE WINDOW HEAD HEIGHT.
3. PER EXCEPTION 1 TO SEC 130.1(d), AUTOMATIC DAYLIT CONTROLS ARE NOT REQUIRED FOR LUMINAIRES TOTALING LESS THAN 75 WATTS IN A DAYLIT ZONE.
4. FOR LIGHTING & CONTROLLED RECEPTACLES VIA TIMECLOCK, PROVIDE CONTROLLED PROGRAMMING TO TURN ON WEEKDAYS AT 6:00AM, OFF AT 7:00PM, OFF ON WEEKENDS, AND OFF ON HOLIDAYS IN ACCORDANCE WITH TITLE 24 SEC. 130.5(d). PROVIDE OVERRIDE SWITCH AS SHOWN ON LIGHTING PLANS.
5. AFTERHOURS MODE WILL BE ENABLED FROM 7:00PM UNTIL 6:00 AM. WHEN AFTER HOUR MODE BEGINS, THE LIGHTS WILL FLASH 3 TIMES BEFORE THE 10 MINUTE DELAY PERIOD BEGINS. IF NO OVERRIDE IS SELECTED WITHIN THE 10 MINUTE DELAY, THE LIGHTS WILL AUTOMATICALLY TURN OFF. IF AN OVERRIDE IS SELECTED, THE 90 MINUTE WARNING PERIOD WILL BEGIN. AT THE END OF THE 90 MINUTE WARNING PERIOD, THE LIGHT WILL FLASH 3 TIMES AND THE 10 MINUTE DELAY PERIOD WILL BEGIN AGAIN.

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07/10/2026

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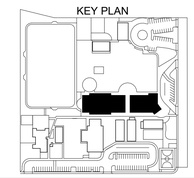

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SCHEDULES - MECHANICAL, LUMINAIRE, & SEQUENCE OF OPERATIONS

Date 07/13/2026
Project Number 25010.1
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Drawing Number 2E0.5
Drawn Author
ERIC, ISAIAH, BRANDON Checker

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WIRE SCHEDULE

TYPE	DESCRIPTION
G	WEST PENN 3244 (INTRUSION ALARM SYSTEM WIRING)
GX	WEST PENN AQ3245 (INTRUSION ALARM SYSTEM TRUNK)
H	2 #14 THHN/THWN (RED, BLACK) (FIRE ALARM CONVENTIONAL INITIATION WIRING)
HX	2 #12 THHN/THWN (RED, BLACK) (FIRE ALARM CONVENTIONAL INITIATION TRUNK)
I	WEST PENN D980 (FIRE ALARM ADDRESSABLE CABLE)
IX	WEST PENN AQ293 (FIRE ALARM ADDRESSABLE TRUNK)
N	2#12 THHN/THWN (FIRE ALARM NOTIFICATION WIRING)
NX	2#10 THWN (FIRE ALARM NOTIFICATION TRUNK)
S	2#12 THHN/THWN (VOICE EVACUATION SPEAKER CABLE)
SX	2#10 THWN (VOICE EVACUATION SPEAKER TRUNK)
T	(2) WEST PENN D980 (VOICE EVACUATION BOOSTER CABLE)
TX	(2) WEST PENN AQ293 (VOICE EVACUATION BOOSTER TRUNK)

NOTES:

1. VERIFY ALL WIRING TYPES AND QUANTITY WITH SYSTEM VENDOR REQUIREMENTS.
2. PROVIDE SPARE CABLES WHERE SHOWN.

FIRE ALARM RECORD DOCUMENTS CABINET

1. THE FIRE ALARM SYSTEM WORK SHALL INCLUDE A DOCUMENTATION CABINET, INSTALLED AT THE SYSTEM CONTROL PANEL OR OTHER APPROVED LOCATION PER NFPA 72, 7.7.2.
2. THE DOCUMENTATION CABINET SHALL BE RED WITH A HINGED, LOCKING DOOR AND SHALL BE PROMINENTLY LABELED "SYSTEM RECORD DOCUMENTS".
3. ALL RECORD AND TESTING DOCUMENTATION SHALL BE STORED INSIDE THE CABINET.
4. CONTENTS SHALL BE ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY.
5. WHERE CABINET IS INSTALLED IN A LOCATION OTHER THAN THE SYSTEM CONTROL UNIT, ITS LOCATION SHALL BE IDENTIFIED AT THE SYSTEM CONTROL UNIT.
6. PROVIDE SYSTEM DOCUMENTS AS APPLICABLE:
   a. RECORD DRAWINGS/AS-BUILTS
   b. EQUIPMENT CUT SHEETS AND CA SFM LISTINGS
   c. ALTERNATIVE MEANS AND METHODS
   d. PERFORMANCE BASED DESIGN DOCUMENTATION (NFPA 72, 7.3.7)
   e. SYSTEM RECORD OF COMPLETION AND ANY SUPPLEMENTAL INSPECTION AND TESTING DOCUMENTATION (NFPA 72, 7.8.2)
   f. EMERGENCY RESPONSE PLAN (NFPA 72, 7.3.8)
   g. EVALUATION DOCUMENTATION (NFPA 72, 7.3.9)
   h. RISK ANALYSIS DOCUMENTATION (NFPA 72, 7.3.6)
   i. SOFTWARE AND FIRMWARE CONTROL DOCUMENTATION (NFPA 72, 23.2.2)

FIRE ALARM GENERAL NOTES

1. FURNISH AND INSTALL A (N) FIRE ALARM SYSTEM INCLUDING ALL WIRING AND CONNECTIONS AND OTHER MATERIALS AS SHOWN ON PLANS AND SPECIFIED HEREIN. IT IS THE INTENT THAT A COMPLETE OPERATING SYSTEM CONFORMING TO ALL APPLICABLE CODES BE INSTALLED AND THAT ANY POWER SUPPLIES, RELAYS, RESISTORS, CARDS, MODULES, PROGRAMMING, OR OTHER ITEMS REQUIRED TO ACHIEVE THIS END RESULT SHALL BE FURNISHED WHETHER OR NOT SUCH ITEM OR ITEMS ARE SHOWN OR SPECIFIED.
2. THE CONTRACT DRAWINGS AND SPECIFICATIONS INDICATE THE GENERAL SCOPE OF THE FIRE ALARM SYSTEM. THE FIRE ALARM SYSTEM CONTRACTOR SHALL LAYOUT ALL DEVICES, EQUIPMENT, CONDUIT, WIRING, ETC. AND SUBMIT DRAWINGS AS REQUIRED BY THE SPECIFICATIONS. ALL LOCATIONS AND SPACINGS SHALL CONFORM TO APPLICABLE CODES. ANY ADDITIONAL DETECTION AND SIGNALING DEVICES REQUIRED BY CODES AND THE ENFORCING AUTHORITY SHALL BE PROVIDED AS PART OF THIS CONTRACT.
3. THE SYSTEM SHALL BE FULLY AUTOMATIC WITH MANUAL STATIONS AT MAIN OFFICE AND IN ASSEMBLY AREAS.
4. THE SYSTEM SHALL BE ADDRESSABLE WITH CLASS B SIGNALING CIRCUITS (NAC'S) AND CLASS B WIRING FOR NON-ADDRESSABLE PORTIONS OF INITIATION CIRCUITS.
5. INSTALLATION OF THE FIRE ALARM SYSTEM EQUIPMENT SHALL NOT BE STARTED UNTIL SUBMITTAL HAS BEEN APPROVED BY ARCHITECT.
6. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE FOLLOWING CODES:
   CALIFORNIA BUILDING CODE (CBC), 2022
   CALIFORNIA ELECTRICAL CODE (CEC), 2022
   CALIFORNIA FIRE CODE (CFC), 2022
   NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) NFPA 72 WITH CALIFORNIA AMENDMENTS, 2022
7. IF FIRE ALARM TESTING RESULTS DETERMINE ALARM AUDIBILITY DOES NOT REACH 15db OVER AMBIENT NOISE LEVELS, ADDITIONAL SIGNALING DEVICES SHALL BE REQUIRED. AUDIBLE DEVICES SHALL PROVIDE A SOUND LEVEL OF NOT LESS THAN 75db AT 10 FT. OR MORE THAN 110db MAXIMUM.
8. AUDIBLE DEVICES SHALL PROVIDE THE CALIFORNIA UNIFORM FIRE ALARM SIGNAL IN TEMPORAL MODE.
9. VISUAL DEVICES SHALL NOT EXCEED 2 FLASHES PER SECOND AND SHALL NOT BE SLOWER THAN 1 FLASH PER SECOND. ALL DEVICES WITHIN THE NORMAL VIEW RANGE SHALL BE SYNCHRONIZED.
10. REFER TO "DETAIL-FA DEVICE ELEVATIONS" FOR DEVICE MOUNTING HEIGHTS.
11. UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE PROJECT INSPECTOR/DSA.
12. POWER SERVICE FOR FIRE ALARM CONTROL PANELS AND/OR REMOTE POWER SUPPLIES SHALL BE ON DEDICATED CIRCUITS. CIRCUIT BREAKER HANDLES FOR SUCH DEDICATED CIRCUITS SHALL BE PAINTED RED AND IDENTIFIED IN DIRECTORY AS "FIRE ALARM CIRCUIT". CIRCUIT BREAKER(S) SERVING CONTROL PANELS AND POWER SUPPLIES SHALL BE EQUIPPED WITH HANDLE LOCKS TO PREVENT BREAKERS FROM BEING OPENED BY UNAUTHORIZED PERSONS.
13. THE LOCATION OF THE DEDICATED CIRCUIT BREAKER SERVING CONTROL PANELS AND POWER SUPPLIES SHALL BE PERMANENTLY IDENTIFIED AT THE CONTROL PANELS AND POWER SUPPLIES. PROVIDE ADHESIVE BACKED NAMEPLATE TO READ "DEDICATED 120V CIRCUIT FROM _____" WITH CIRCUIT NUMBER INCLUDED IN TEXT. ATTACH TO INSIDE OF DOOR.
14. FINAL FIRE TEST SHALL BE MADE WITH PROJECT INSPECTOR AS A MINIMUM. LOCAL FIRE AUTHORITY SHALL BE NOTIFIED OF DATE AND TIME OF FINAL FIRE ALARM TESTING AND SHALL ASSIST/WITNESS SUCH TESTING WHEN ABLE.
15. FIRE ALARM CONTRACTOR SHALL PROVIDE A "RECORD OF COMPLETION" TO THE PROJECT INSPECTOR/ DSA AFTER COMPLETION OF THE OPERATIONAL ACCEPTANCE TESTS. THE RECORD OF COMPLETION MUST BE SIGNED BY CONTRACTOR.
16. ATTIC SPACES ARE PROVIDED WITH FIRE SPRINKLERS. HEAT DETECTORS ARE NOT PROVIDED IN ABOVE CEILING SPACES.

FIRE ALARM MONITORING NOTE

AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UUJS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER.

MEP COMPONENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC. SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUIILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/120 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVEABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MATTER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE NOR BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, AND 13.6.8, AND 2022 CBC, SECTIONS 1617A. 1.24, 1617A.1.25, AND 1617A. 1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP□ MD□ PP□ E■ OPTION 1: PROJECT-SPECIFIC DESIGN.
SHEET NUMBERS: _____

MP□ MD□ PP□ E□ OPTION 2: DESIGN BASED ON OSHPD OPM, WITH IN THE PROJECT SUBMITTAL.
OPM NUMBERS: _____
SHEET NUMBERS: _____

MP□ MD□ PP□ E□ OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL.

GENERAL NOTES

1. EXISTING UNDERGROUND UTILITIES ARE PRESENT, BUT THEIR EXACT LOCATIONS ARE NOT KNOWN. CONTRACTOR SHALL LOCATE AND PROTECT BEFORE TRENCHING OR EXCAVATING IN ANY AREA. CONSULT UTILITY COMPANIES, "AS-BUILT" DRAWINGS, AND SCHOOL MAINTENANCE PERSONNEL FOR LOCATION OF EXISTING UNDERGROUND WORK. IF EXISTING PIPING OR UTILITIES ARE DAMAGED DURING CONSTRUCTION, CONTRACTOR SHALL REPAIR IMMEDIATELY AT OWN EXPENSE. NEW UNDERGROUND SHALL BE MODIFIED AS NECESSARY TO CONFORM TO EXISTING CONDITIONS.
2. INFORMATION GIVEN, CONCERNING EXISTING ELECTRICAL INSTALLATION IS AS EXACT AS COULD BE SECURED, BUT EXTREME ACCURACY IS NOT GUARANTEED. CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BIDS AND SATISFY HIMSELF AS TO THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED.
3. EXISTING CIRCUITS AND SERVICES SHALL NOT BE INTERRUPTED EXCEPT BY SPECIFIC APPROVAL OF THE SCHOOL. ALL SHUTDOWNS SHALL BE SCHEDULED WITH THE SCHOOL.
4. ALL INTERIOR CONDUIT SHALL BE RUN CONCEALED. FISH FLEX IN EXISTING WALLS AND USE CUT-IN BOXES, UNLESS NOT POSSIBLE. WHERE CONDUIT MUST RUN EXPOSED, PROVIDE WIREMOLD SURFACE NONMETALLIC RACEWAY, SIZE AS REQUIRED (800 SERIES MINIMUM SIZE). ROUTE AS INCONSPICUOUS AS POSSIBLE. MAKE ANGLES CUTS AS REQUIRED. ATTACH TO WALL WITH SCREWS SPACED 48" MAX. SCREWS MUST PENETRATE STRUCTURAL MEMBERS WITH 1" PENETRATION. COORDINATE ROUTING WITH ARCHITECT PRIOR TO INSTALLATION.
5. CONTRACTOR SHALL VISIT SITE PRIOR TO BIDDING AND WALK ROUTES OF NEW UNDERGROUND CONDUITS. NOTE AREAS OF CONCRETE AND ASPHALT BEING CROSSED AND INCLUDE IN BID ALL COSTS FOR CUTTING AND PATCHING AS SHOWN ON DETAILS.
6. PROVIDE TRAFFIC RATED (H/20 LOAD) COVER AND BOXES FOR ALL PULLBOXES UNLESS SPECIFICALLY NOTED OTHERWISE.
7. REFER TO DETAILS ON STRUCTURAL DRAWINGS FOR PENETRATION REQUIREMENTS THROUGH FRAMING TOP PLATES, SILL PLATES, BEAMS, JOIST, RAFTERS, ETC. PROVIDE NOTCHING BORING, DRILLING, ANCHOR BOLTS AND OTHER WORK IN STRICTEST CONFORMANCE TO STRUCTURAL DETAILS.
8. COORDINATE THE EXACT LOCATIONS OF FLOOR OUTLETS/BOXES WITH OWNER AND INSPECTOR PRIOR TO ROUGH-IN.
9. PROVIDE GROUND ROD AND GROUND BOX AT EACH RELOCATABLE CLASSROOM AND CONNECT TO (E) PANEL, METAL WATER PIPING, AND BUILDING STEEL FRAME. SEE "GROUNDING DETAIL".
10. PORTABLE BUILDINGS HAVING NON-PINNED SLIDING FOUNDATIONS SHALL BE CONNECTED USING 10. FLEXIBLE CONDUIT PER DETAILS. PORTABLE BUILDINGS WITH NON-SLIDING PINNED FOUNDATIONS SHALL BE CONNECTED WITH RIGID CONDUIT, TIGHT TO BUILDING (FLEX CONNECTIONS WILL NOT BE ACCEPTABLE). VERIFY FOUNDATION TYPE WITH INSPECTOR OF RECORD OR DISTRICT PRIOR TO INSTALLATION OF ANY CONDUIT ON BACK OF BUILDING.
11. ALL CONDUIT RUNS PASSING DIRECTLY FROM ONE PORTABLE BUILDING TO ANOTHER SHALL SPAN THE SPACE BETWEEN BUILDINGS WITH SEALTITE FLEX. THIS REQUIREMENT IS INDEPENDENT OF FOUNDATION TYPE.

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ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	REGISTERED PROFESSIONAL ENGINEER BRANDON GOMEZ No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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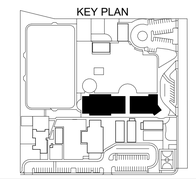

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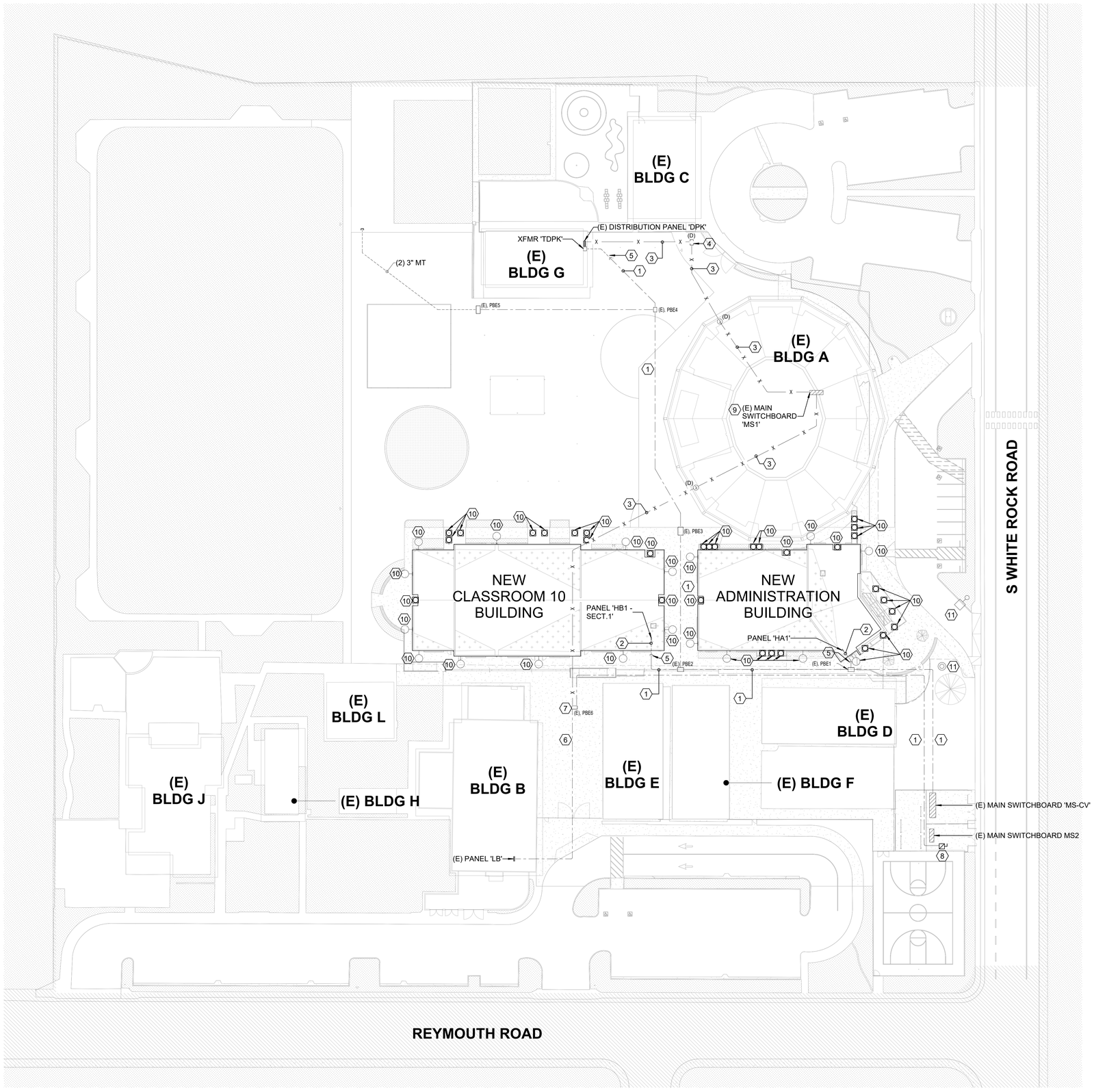

1 ELECTRICAL SITE PLAN (PHASE 1.2)
SCALE: 1" = 30'-0"

SHEET NOTES

1. REFER TO GENERAL NOTES ON SHEET 2E0.1 FOR ADDITIONAL CRITERIA.
2. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPNG OR CONDUITS, ETC. AND TO PREVENT HAZARDS TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN AND INSTALLED BY ANOTHER CONTRACT. CONTRACTOR SHALL PERFORM AN UNDERGROUND SURVEY PRIOR TO EXCAVATION. THE UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY ELEMENTS FOR CONSTRUCTION SAFETY.
3. EXISTING UNDERGROUND UTILITIES ARE PRESENT, BUT THEIR EXACT LOCATION ARE NOT SHOWN. CONTRACTOR SHALL LOCATE AND PROTECT BEFORE TRENCHING OR EXCAVATING IN ANY AREA. CONSULT UTILITY COMPANIES, "AS-BUILT" DRAWINGS, AND SCHOOL MAINTENANCE PERSONNEL FOR LOCATION OF EXISTING UNDERGROUND WORK. IF EXISTING PIPING OR UTILITIES ARE DAMAGED DURING CONSTRUCTION, CONTRACTOR SHALL REPAIR IMMEDIATELY AT OWN EXPENSE. NEW UNDERGROUND SHALL BE MODIFIED AS NECESSARY TO CONFORM TO EXISTING CONDITIONS.
4. INFORMATION GIVEN, CONCERNING EXISTING ELECTRICAL INSTALLATION IS AS EXACT AS COULD BE SECURED, BUT EXTREME ACCURACY IS NOT GUARANTEED. CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BIDS TO CONFIRM CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED.
5. PROVIDE TRAFFIC RATED (H/20 LOAD) COVER AND BOXES FOR ALL PULL BOXES UNLESS SPECIFICALLY NOTED OTHERWISE.

NUMBERED NOTES

1	PROVIDE FEEDER IN (E) CONDUIT PER ONE-LINE DIAGRAM.
2	FEEDER PER ONE-LINE DIAGRAM.
3	REMOVE (E) CONDUCTORS. ABANDON CONDUIT.
4	REMOVE (E) PULLBOX.
5	LOCATE (E) STUB(S) AND EXTEND. FEEDER PER ONE-LINE DIAGRAM.
6	(E) FEEDER TO REMAIN.
7	SPLICE TO (E) FEEDER IN PULLBOX.
8	DISCONNECT PER ONE-LINE DIAGRAM MS2.
9	LABEL BREAKERS THAT SERVED DPK AND LB AS SPARE.
10	LIGHT FIXTURE PER LIGHTING FLOOR PLAN ILLUMINATING THE PATH OF TRAVEL TO PUBLIC WAY. REFER TO ARCHITECTURAL SITE PLAN FOR PATH OF TRAVEL.
11	(E) LIGHT FIXTURE ILLUMINATING THE PATH OF TRAVEL TO PUBLIC WAY. REFER TO ARCHITECTURAL SITE PLAN FOR PATH OF TRAVEL.

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Project Number M370
Contact CHRIS
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Sacramento | Alameda | Irvine | Hawaii

ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	PROFESSIONAL ENGINEER CHRISTOPHER YOUNG DOMINGUEZ No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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DRAWING STATUS

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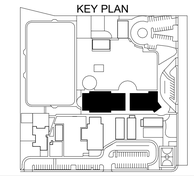
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



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ELECTRICAL SITE PLAN (PHASE 1.2)

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2E1.1.1
Drawn ERIC, ISAIAH, BRANDON	
Author	Checker

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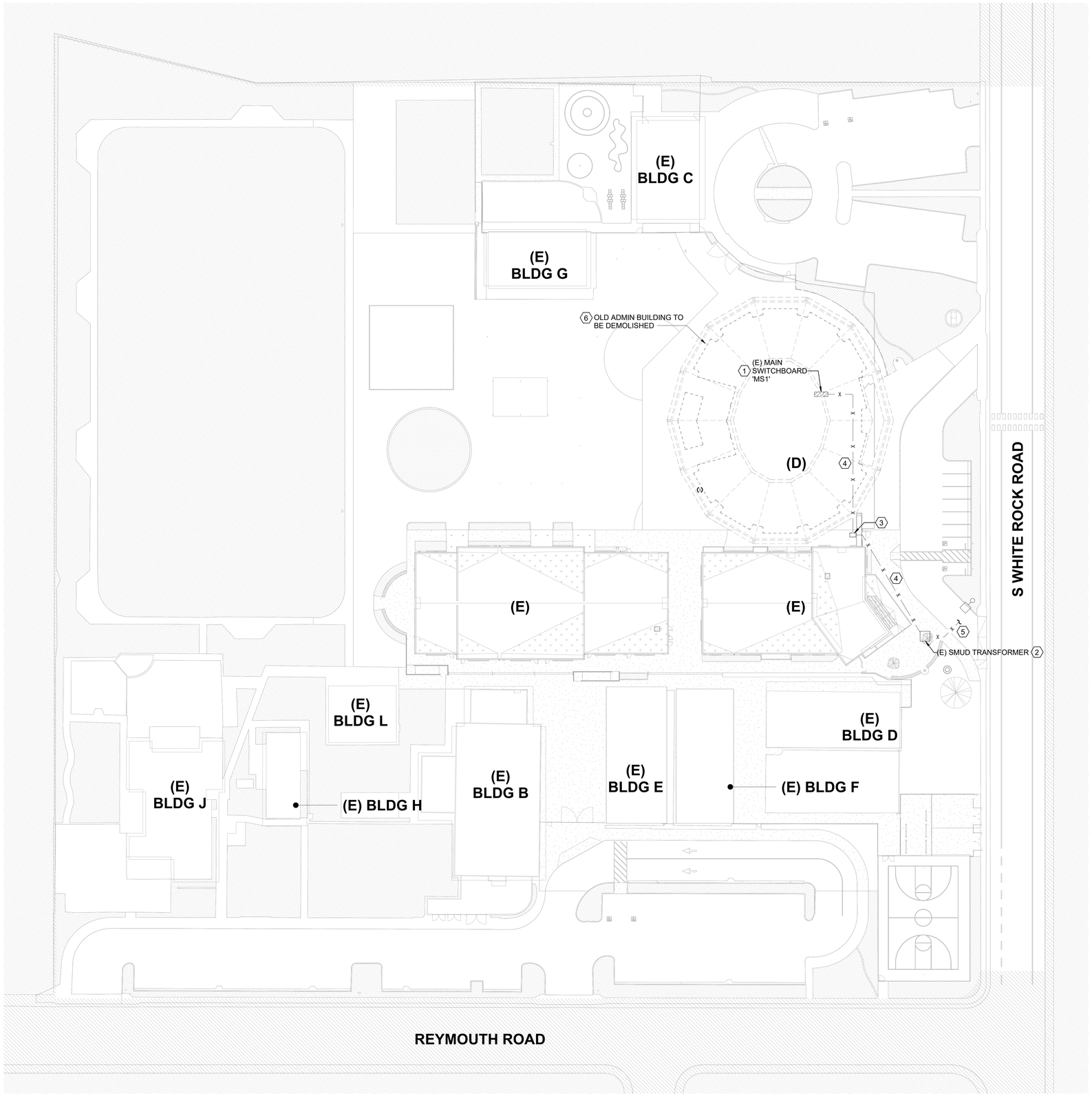

1 ELECTRICAL DEMOLITION SITE PLAN (PHASE 1.2)
SCALE: 1" = 30'-0"

SHEET NOTES

1. DEMO OLD ADMIN BUILDING AFTER COMPLETION OF NEW ADMIN BUILDING AND CLASSROOM.

NUMBERED NOTES

1	REMOVE (E) MAIN SWITCHBOARD.
2	(E) TRANSFORMER TO BE REMOVED BY SMUD. REMOVE (E) CONCRETE PAD AND CONDUIT RISERS.
3	REMOVE (E) PULLBOX.
4	REMOVE (E) CONDUCTORS. ABANDON (E) CONDUIT.
5	SMUD PRIMARY TO BE REMOVED BY SMUD.
6	DISCONNECT ALL (E) ELECTRICAL AT BUILDING TO BE DEMOLISHED.

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ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	PROFESSIONAL ENGINEER No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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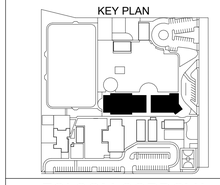

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ELECTRICAL DEMOLITION POWER SITE PLAN (PHASE 1.2)

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Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2E1.1.2
Drawn ERIC, ISAIAH, BRANDON	
Author Checker	

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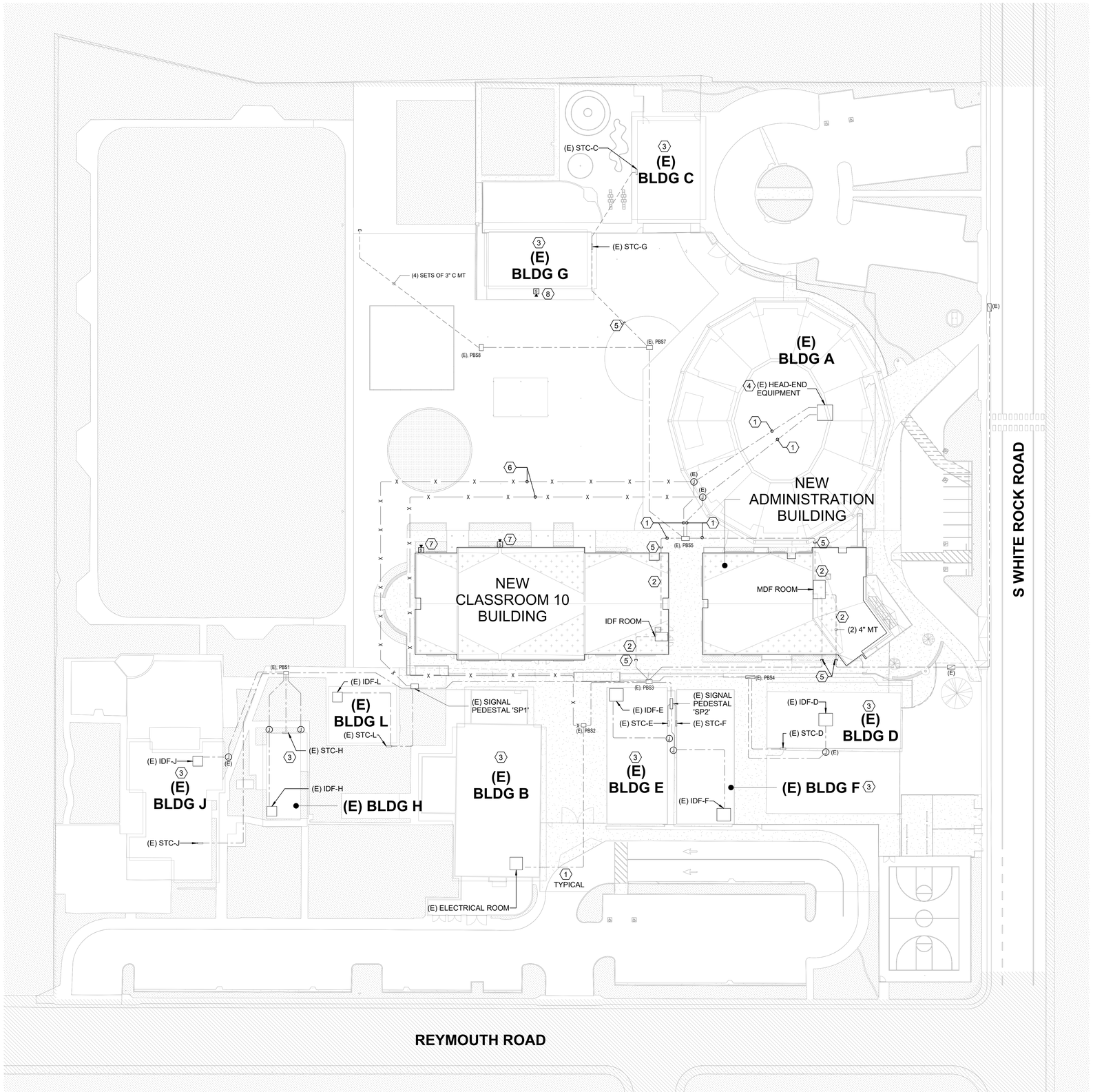

1 SIGNAL SITE PLAN (PHASE 1.2)
SCALE: 1" = 30'-0"

SHEET NOTES

1. REFER TO GENERAL NOTES ON SHEET 2E0.1 FOR ADDITIONAL CRITERIA.
2. WORK TO BE COMPLETED PRIOR TO DEMO OF OLD ADMIN BUILDING AND AFTER COMPLETION OF NEW ADMIN BUILDING AND CLASSROOM.
3. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING OR CONDUITS, ETC, AND TO PREVENT HAZARDS TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN AND INSTALLED BY ANOTHER CONTRACT. CONTRACTOR SHALL PERFORM AN UNDERGROUND SURVEY PRIOR TO EXCAVATION. THE UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY ELEMENTS FOR CONSTRUCTION SAFETY.
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5. INFORMATION GIVEN, CONCERNING EXISTING ELECTRICAL INSTALLATION IS AS EXACT AS COULD BE SECURED, BUT EXTREME ACCURACY IS NOT GUARANTEED. CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BIDS TO CONFIRM CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED.
6. PROVIDE TRAFFIC RATED (H/20 LOAD) COVER AND BOXES FOR ALL PULL BOXES UNLESS SPECIFICALLY NOTED OTHERWISE.

NUMBERED NOTES

1	PROVIDE WIRING IN (E) CONDUIT PER SITE DIAGRAMS.
2	SIGNAL FEEDER PER SITE DIAGRAMS.
3	REMOVE (E) CLOCKS AND SPEAKERS. REMOVE WIRING BACK TO SOURCE. (N) IP CLOCKS AND SPEAKERS TO BE OFOI.
4	RELOCATE (E) INTRUSION ALARM CONTROL PANEL TO MDF ROOM IN NEW ADMIN BUILDING.
5	LOCATE (E) STUBS AND EXTEND.
6	REMOVE (E) WIRING. ABANDON (E) CONDUITS.
7	FA EXTERIOR SPEAKER PER FIRE ALARM FLOOR PLAN COVERING THE PLAY APPARATUS AREAS AND THE (E) SHADE STRUCTURE.
8	(E) FA EXTERIOR SPEAKER PER DSA APPLICATION 02-121025 COVERING THE PLAY APPARATUS AREAS AND THE (E) SHADE STRUCTURE.

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ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	REGISTERED PROFESSIONAL ENGINEER No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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KEY PLAN

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RANCHO CORDOVA, CA 95670

SIGNAL SITE PLAN (PHASE 1.2)

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2E1.2.1
Drawn Author ERIC, ISAIAH, BRANDON	Checker

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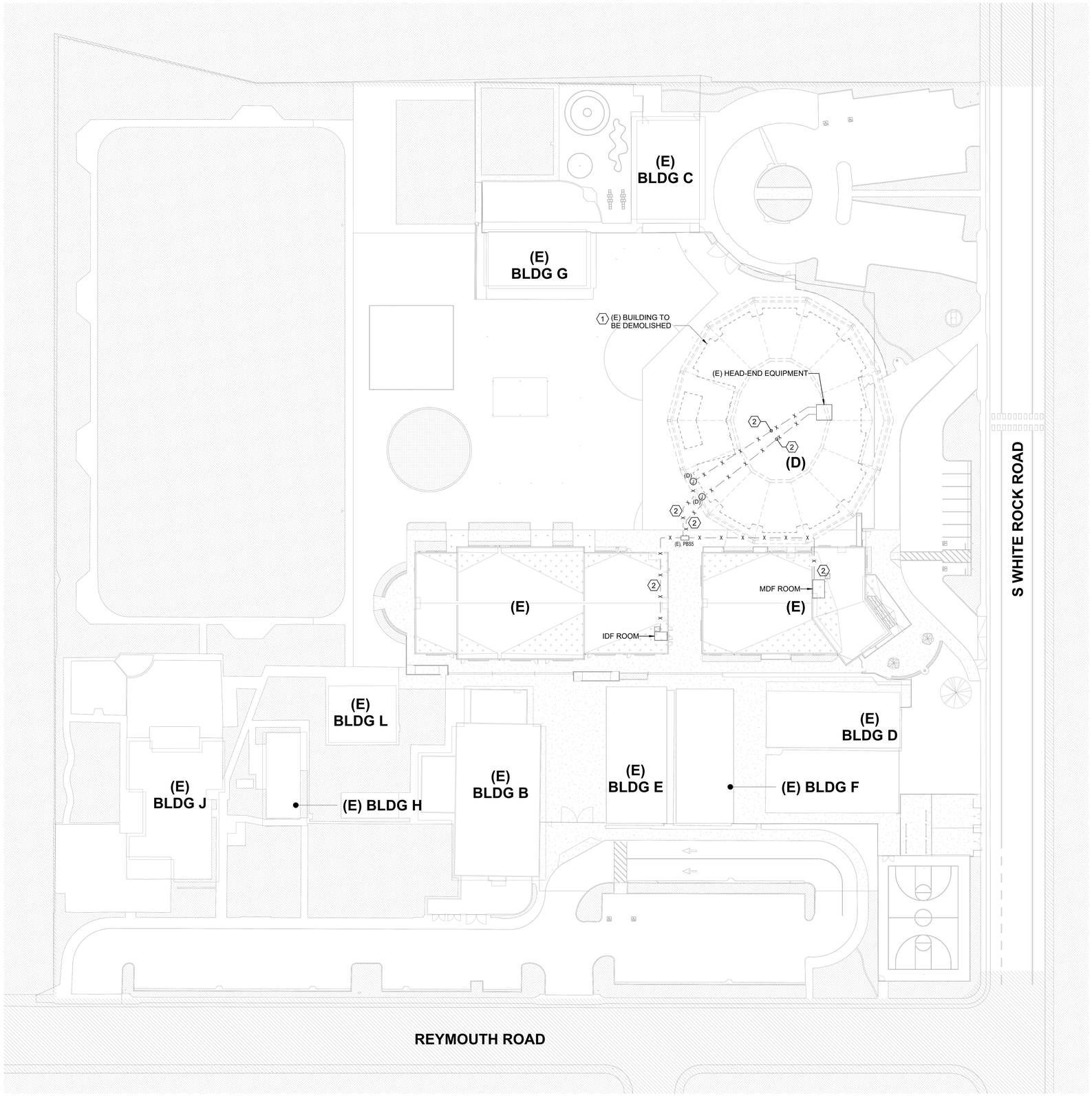

1 ELECTRICAL DEMOLITION SIGNAL SITE PLAN (PHASE 1.2)
SCALE: 1" = 30'-0"

SHEET NOTES

1. REFER TO GENERAL NOTES ON SHEET 2E0.1 FOR ADDITIONAL CRITERIA.
2. DEMO OLD ADMIN BUILDING AFTER COMPLETION OF NEW ADMIN BUILDING AND CLASSROOM.

NUMBERED NOTES

1	DISCONNECT ALL LOW VOLTAGE FROM BUILDING TO BE DEMOLISHED.
2	REMOVE (E) SIGNAL CONDUCTORS BACK TO SOURCE ABANDON (E) CONDUITS.

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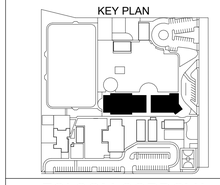

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ELECTRICAL DEMOLITION SIGNAL SITE PLAN (PHASE 1.2)

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Application Number 02-123800	Drawing Number 2E1.2.2
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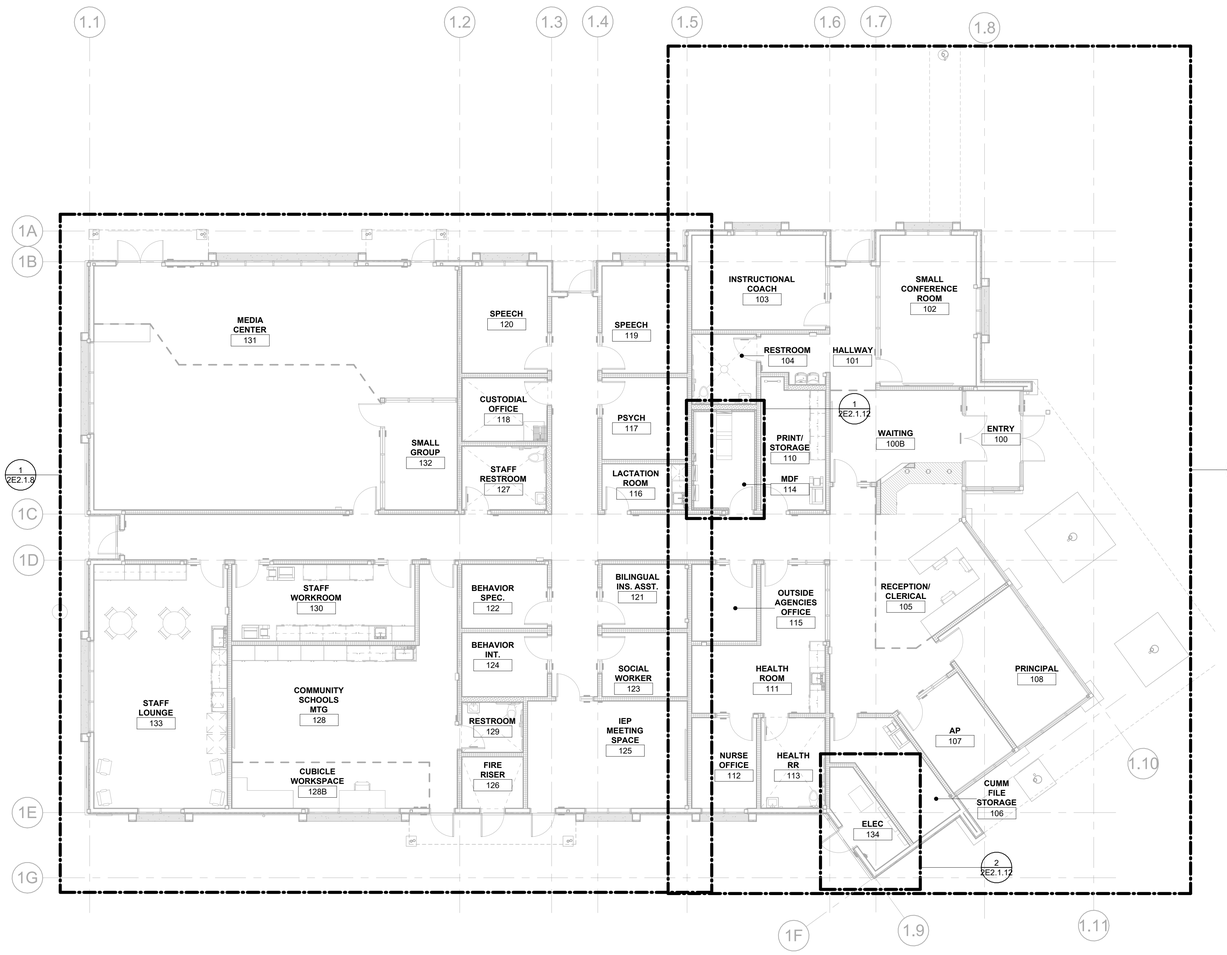

1 ELECTRICAL FLOOR PLAN - POWER - ADMINISTRATION BUILDING
SCALE: 1/8" = 1'-0"

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Contact CHRIS

ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	REGISTERED PROFESSIONAL ENGINEER No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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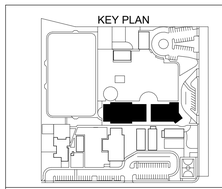

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OVERALL ELECTRICAL POWER PLAN - ADMINISTRATION

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2E2.1.1
Drawn ERIC, ISAIAH, BRANDON	
Author Checker	

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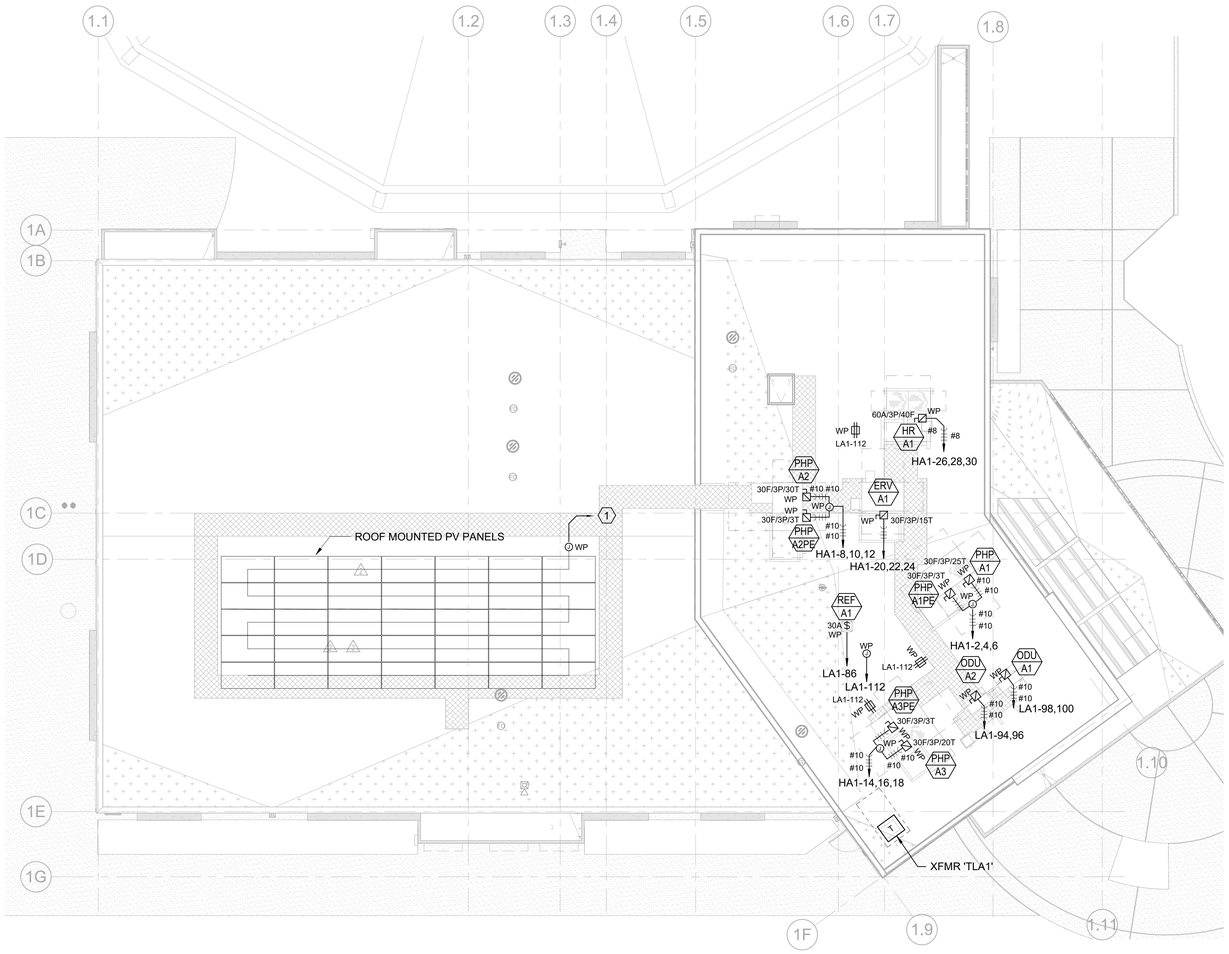

1 FLOOR PLAN - ROOF - ADMINISTRATION BUILDING
SCALE: 1/8" = 1'-0"

PV SHEET NOTES (CONT.)

32. MOUNT TO ROOF USING UL APPROVED MOUNTING HARDWARE. FOLLOW MANUFACTURERS INSTALLATION MANUALS.
33. MARK THE CEC REQUIRED CLEAR SPACE ON THE FLOOR IN FRONT OF ALL DEVICES BEING INSTALLED.
34. SUPPORT ALL ROOF MOUNTED CONDUIT WITH FOAM "SLEEPERS" IN UL APPROVED SYSTEM.
35. PV MODULES SHALL NOT BE INSTALLED OVER ANY PLUMBING OR MECHANICAL VENTS, EXHAUSTS OR CHIMNEYS.
36. REMOVAL OF INVERTER, METER OR OTHER EQUIPMENT SHALL NOT DISCONNECT THE BONDING CONNECTION BETWEEN THE GROUNDING ELECTRODE CONDUTCTOR AND THE PHOTOVOTAIC SOURCE AND/OR OUTPUT CIRCUIT GROUNDED CONDUCTOR.
37. ALL PV MODULES AND ASSOCIATED EQUIPMENT SHALL BE PROTECTED FROM ANY PHYSICAL DAMAGE AND ACCESS BY UNQUALIFIED PERSONS.
38. UTILITY IS 277/480V 3 PHASE 4W. PV SYSTEM IS UTILITY INTERACTIVE.
39. SYSTEM CARRIES A "CLASS A" FIRE RATING.

PV SHEET NOTES

1. 48" SETBACK FROM AC UNITS.
2. 48" SETBACK PER CFC 1204.3.1 AND 1204.3.2 EXCEPTIONS FROM PERIMETER OF ROOF.
3. USE OF THE SPACE BELOW ARRAYS IS PROHIBITED. MINIMUM HEIGHT OF PV ARRAYS FROM ROOF SURFACE SHALL BE 2' 3".
4. CONDUIT ON ROOF SHALL BE GALVANIZED RIGID METALLIC CONDUIT AND TO BE RAN AT MINIMUM 1.5" HEIGHT FROM THE ROOF SURFACE.
5. EXACT JUNCTION BOX LOCATIONS TO BE DETERMINED IN FIELD.
6. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NEC (NATIONAL ELECTRIC CODE) WITH CALIFORNIA AMENDMENTS, NFPA (NATIONAL FIRE PROTECTION ASSOCIATION), AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES, LAWS AND REGULATIONS.
7. ALL WORK SHALL CONFORM TO APPLICABLE STATE AND FEDERAL SAFETY CODES INCLUDING OSHA AND CAL OSHA. NO "HOT" WORK IS AUTHORIZED. ALL "HOT" WORK SHALL BE APPROVED IN WRITING WITH THE GENERAL CONTRACTOR AND OWNER.
8. COORDINATE ALL WORK WITH ARCHITECTURAL, MECHANICAL AND STRUCTURAL DRAWINGS, INSTALL ALL WORK TO CLEAR NEW ARCHITECTURAL AND STRUCTURAL MEMBERS. NO ITEM SUCH AS A PIPE, DUCT, ETC. SHALL BE IN CONTACT WITH ANY ELECTRICAL EQUIPMENT.
9. CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY AND SECURITY OF THE WORKSITE. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
10. NOTIFY THE PRIME CONTRACTOR OR OWNER IMMEDIATELY AFTER DISCOVERING ANY HAZARDOUS MATERIAL.
11. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED. VERIFY THE EXACT LOCATIONS AND CONDITIONS OF ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS PRIOR TO ANY WORK. LOCATIONS FOR EQUIPMENT SHALL BE TAKEN FROM THE OTHER SHEETS WHERE THEY OCCUR. EXTEND WIRING FROM ALL JUNCTION BOXES, CONTROL PANELS, PUMPS, RECEPTACLES, SWITCHES, ETC. AND MAKE ALL FINAL CONNECTIONS TO THE EQUIPMENT AS REQUIRED.
12. THE INTENT OF THESE DRAWINGS IS FOR A COMPLETE ELECTRICAL SYSTEM. ANY ERRORS OR UNCERTAINITY SHALL BE BROUGHT TO THE ATTENTION OF THE PRIME CONTRACTOR AND ENGINEER AS SOON AS FOUND.
13. THE COMPLETE ELECTRICAL INSTALLATION SHALL BE TESTED AS A COMPLETE WORKING SYSTEM.
14. RESTORE ALL DAMAGES RESULTING FROM WORK AND LEAVE PREMISES IN CLEAN CONDITION WHEN FINISHED.
15. FIRE STOP ALL PENETRATIONS THROUGH FIRE RATED SURFACES.
16. ALL CONDUITS SHALL BE RIGID STEEL. MINIMUM SIZE SHALL BE 1/2". ALL CONDUIT, BOXES, AND ELECTRICAL FITTINGS SHALL BE STEEL.
17. DO NOT USE THE WORKING SPACE WITHIN ANY EXIT SIGN OR ASSOCIATED JUNCTION BOX FOR ANY OTHER CIRCUIT.
18. PROVIDE EXPANSION AND DEFLECTION FITTINGS IN CONDUITS CROSSING BUILDING EXPANSION AND SEISMIC JOINTS.
19. PROVIDE JUNCTION AND/OR PULL BOXES WHEN NECESSARY OR REQUIRED BY CEC SHALL BE USED.
20. INSTALL GREEN INSULATED GROUND WIRE IN ALL CIRCUITS. SIZE PER CEC REQUIREMENTS OR THE SAME AS PHASE CONDUCTORS, WHICHEVER IS LARGER. UNLESS INDICATED OTHERWISE.
21. ALL WIRING, CONDUIT, AND JUNCTION BOXES SHALL BE CONCEALED WITHIN NEW WALLS, CEILINGS OR FLOOR SPACES. SURFACE MOUNT CONDUIT ON OLD WALLS AND CEILINGS. RUN ALL SURFACE RACEWAY TIGHT TO THE STRUCTURE, PARALLEL TO BUILDING LINES.
22. NO FOREIGN EQUIPMENT SHALL BE LOCATED WITHIN THE SPACE ABOVE OR BELOW THE ELECTRIC PANELS.
23. PROVIDE SIGNAGE ON ALL ELECTRIC PANELS TO KEEP THE SPACE 36" IN FRONT OF THE PANELS FREE OF OBSTRUCTIONS.
24. PROVIDE WARNING LABEL ON ALL PANELS "WARNING, ELECTRICAL ARC FLASH HAZARD, PERSONAL PROTECTION EQUIPMENT REQUIRED, FAILURE TO COMPLY CAN RESULT IN INJURY OR DEATH. REFER TO NFPA 70E." WHERE THE TERMINAL OF THE DISCONNECTING MEANS MAY BE ENERGIZED IN THE OPEN POSITION, A WARNING SIGN SHALL BE MOUNTED ON OR ADJACENT TO THE DISCONNECTING MEANS. THE SIGN SHALL BE CLEARLY LEGIBLE AND HAVE THE FOLLOWING WORDS OR EQUIVALENT: "WARNING - ELECTRIC SHOCK HAZARD, DO NOT TOUCH TERMINALS. TERMINALS ON BOTH THE LINE AND THE LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION."
25. UPDATE PANEL BOARD DIRECTORY AS CIRCUITS ARE INSTALLED. PREPARE TYPE WRITTEN PANEL SCHEDULES.
26. ALL EXTERIOR EQUIPMENT SHALL BE IN WEATHERPROOF (NEMA 3R) ENCLOSURES. ALL NEW WIRING SHALL BE IN CONDUIT, SUITABLE FOR SUN EXPOSURE AND WET LOCATIONS. FIELD APPLIED COATINGS ARE NOT ACCEPTABLE.
27. DC SOLAR POWER SHALL BE NEGATIVELY GROUNDED.
28. ALL MARKING SHALL BE PER CODE REQUIREMENTS.
29. INVERTERS MUST COMPLY WITH UL 1741 TO PREVENT ISLANDING ON POWER FAILURE. THE INVERTERS SHALL NOT PUT POWER ON TO THE GRID IF THE GRID IS OFF-LINE. INVERTERS ARE FULLY COMPLIANT WITH NEC 690.61.
30. NOTHING IN THESE PLANS SHALL BE CONSTUED TO CONTRADICT CEC, UL OR LOCAL CODES.
31. ALL SYSTEM COMPONENTS (MODULES AND INVERTERS ETC.) SHALL BE UL LISTED, UL2703 AND UL1703.

SHEET NOTES

1. REFER TO GENERAL NOTES ON SHEET 2E0.1 FOR ADDITIONAL CRITERIA.
2. FOR ALL HOME RUNS:
   A. PROVIDE CONDUIT, SIZE SHALL BE 1.00" UNLESS OTHERWISE NOTED, AND WIRE SIZE AS INDICATED ON PLANS.
3. FOR RECEPTACLE DEVICES WHERE BRANCH CIRCUIT WIRING IS NOT SHOWN:
   A. FOR NEMA 5-20R - PROVIDE 0.75" CONDUIT WITH (2) #12 & (1) #12 'G' TO EACH RECEPTACLE FROM JUNCTION BOX INDICATED IN ROOM, UNLESS OTHERWISE NOTED.
   B. NEMA TYPE RECEPTACLES OTHER THAN NEMA 5-20R - CONDUIT AND CONDUCTORS FROM JUNCTION BOX IN ROOM TO RECEPTACLE TO MATCH HOMERUNS CIRCUITS AS INDUCATED ON PLANS.
4. FOR HARDWIRED EQUIPMENT WITH NO CONDUIT OR CONDUCTORS INDICATED:
   A. PROVIDE CONDUIT AND CONDUCTORS FROM JUNCTION BOX IN ROOM TO EQUIPMENT TO MATCH HOMERUN CIRCUITS AS INDICATED ON PLANS. EQUIPMENT WITH DISCONNECT SHALL EXTEND THE SAME SIZE CONDUIT AND CONDUCTORS TO MATCH HOMERUN BETWEEN DISCONNECT AND EQUIPMENT.

NUMBERED NOTES

1	TO PV DISCONNECT IN ELECTRICAL ROOM 134.

REQUIRED PV PER BUILDING

(BASED ON EQUATION 9-1 IN THE 2022 NONRESIDENTIAL AND MULTIFAMILY COMPLIANCE MANUAL
KWPV REQ. = (CFA*A)/1000
WHERE CFA = CONDITIONED FLOOR SPACE AND A = 1.63 FROM TABLE 9-1 CAPACITY FACTORS)

BUILDING	KW DC
ADMIN BUILDING	(7,803 * 1.63)/1000 = 12.72 KWDC

DESIGNED PV SYSTEM PER STRUCTURE

EACH PV PANEL IS 450 W.
TOTAL KW = (450*Q)/1000
WHERE Q IS QUANTITY OF PV PANELS.

STRUCTURE #	KW DC
STRUCTURE #1	(450*35)/1000 = 15.75 KWDC
TOTAL PV SYSTEM DESIGNED KW	15.75 KWDC

PV BASIS OF DESIGN NOTES

THESE PV DRAWINGS ARE A BASIS OF DESIGN ONLY. THE CONTRACTOR SHALL HIRE A PV VENDOR TO PROVIDE TO PROVIDE INSTALLATION AND PROGRAMMING OF PV SYSTEM ALONG WITH SHOP DRAWINGS AND CALCULATIONS FOR THE ARCHITECT AND ELECTRICAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO PROCUREMENT AND INSTALLATION.

SHOP DRAWINGS AND CALCULATIONS TO INCLUDE THE FOLLOWING AT THE MINIMUM:
1. ELECTRICAL CONSTRUCTION GENERAL NOTES.
2. CODE COMPLIANCE
3. PROJECT INFORMATION, NAME, SITE ADDRESS, OWNER, AHJ, UTILITY PROVIDER,APN, MAX BUILDING HEIGHT, TYPE OF CONSTRUCTION, FIRE SPRINKLER, OCCUPANCY CLASSIFICATION, SITE AREA, ETC.
4. SCOPE OF WORK.
5. PV MODULE INFO AND TOTALS.
6. MICROINVETER TYPE AND TOTALS.
7. RACKING SYSTEM.
8. SHEET INDEX
9. PV SYSTEM KWDC INFO.
10. PV PANEL LAYOUT AND GROUPING, DEGREE OF ROOF SLOPE, ARRAY TILT, ORIENTATION, AZIMUTH.
11. MOUNTING, ANCHORAGE, PENETRATION DETAILS.
12. LOCATION OF AC DISCONNECT, PV LOAD CENTER, MSD OR DIST PANEL, AND ELECTRICAL ROOM LOCATIONS.
13. BUILDING ELEVATIONS.
14. SINGLE LINE DIAGRAM, OUTPUT CALCULATIONS, PV MODULE RATINGS, MICROINVERTER RATINGS,GROUNDING CRITERIA, CONDUCTOR SIZING CALCULATIONS, AC CIRCUIT BREAKER RATING AND/CALCULATIONS.
15. PV SYSTEM CODE REQUIRED SIGNAGE, LEGENDS, AND MAPS OF SYSTEM.
16. DATA SHEETS AND CERTIFICATES.
17. PV SYSTEM MOUNTING PLAN.
18. STRUCTURAL DETAILS AND CALCULATIONS.
19. ROOF FRAMING PLANS.

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ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER ERIC ISAIAH BRANDON No. E 017376 ELECTRICAL STATE OF CALIFORNIA
DATE SIGNED: 07/13/2026	07/10/2026

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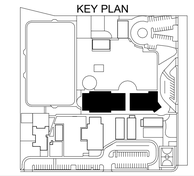
KEY PLAN



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OVERALL ELECTRICAL ROOF PLAN - ADMINISTRATION

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2E2.1.2
Drawn / Author: ERIC, ISAIAH, BRANDON / Checker	

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1 ELECTRICAL FLOOR PLAN - LIGHTING - ADMINISTRATION BUILDING
SCALE: 1/8" = 1'-0"

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ARCHITECT	ENGINEER
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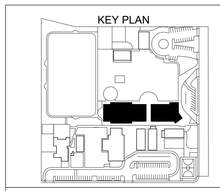

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OVERALL ELECTRICAL LIGHTING PLAN - ADMINISTRATION

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2E2.1.3
Drawn Author: ERIC, ISAIAH, BRANDON	Checker

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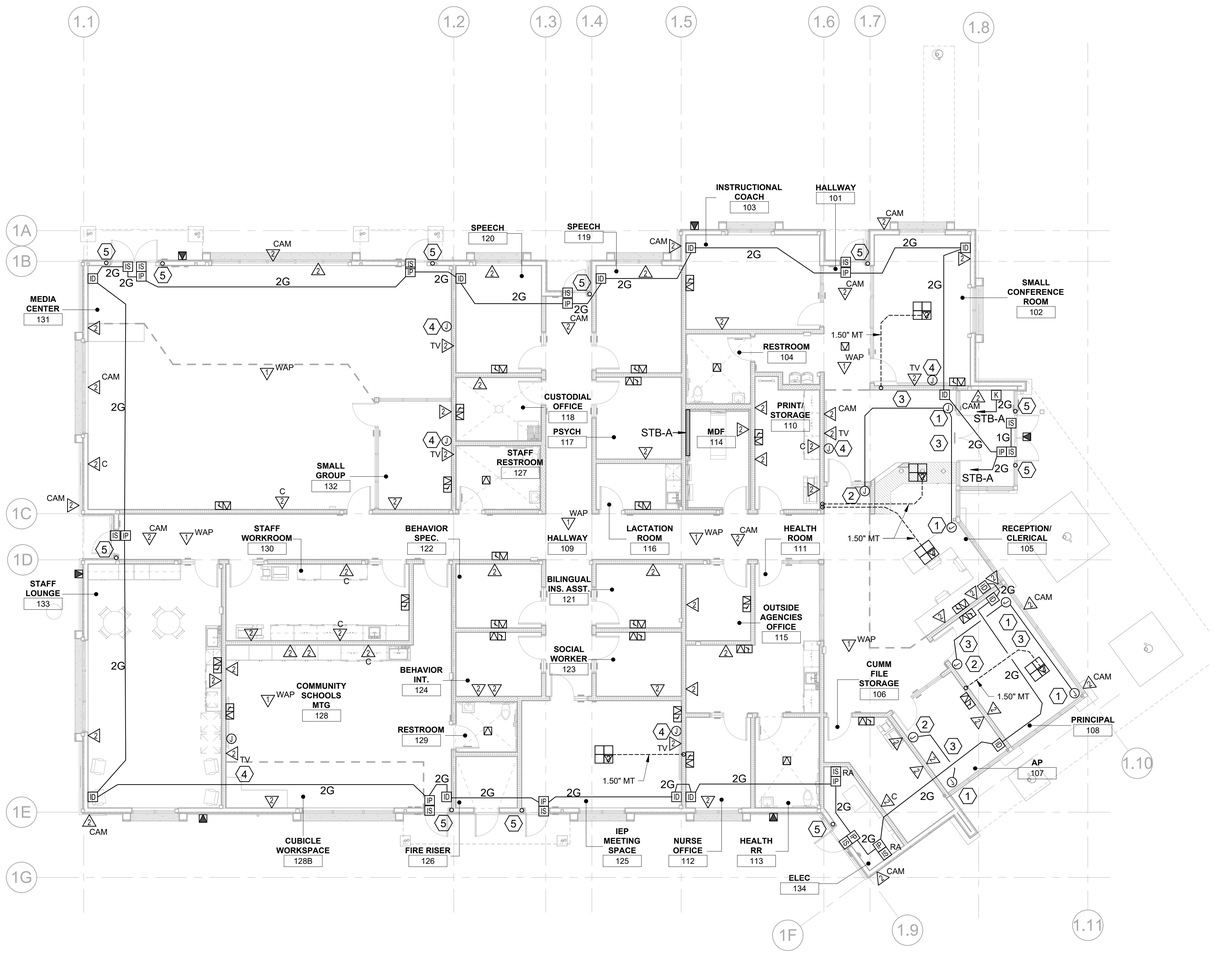

1 ELECTRICAL FLOOR PLAN - SIGNAL - ADMINISTRATION BUILDING
SCALE: 1/8" = 1'-0"

NUMBERED NOTES

1	CONNECT TO THE MOTORIZED SHADES.
2	LOCATED FOR THE SHADE CONTROLLER.
3	1"C-(1) CAT6 CABLE.
4	2G BOX WITH 2G RING AND BLANK PLATE. PROVIDE 1.25" MT STUBBED ABOVE ACCESSIBLE CEILING.
5	FROM HINGE SIDE OF DOOR, PROVIDE 1.00" MT STUBBED ABOVE ACCESSIBLE CEILING FOR ACCESS CONTROLS. VERIFY EXACT REQUIREMENTS PRIOR TO ROUGH-IN.

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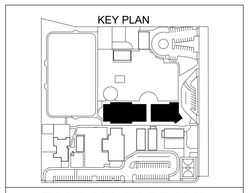

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OVERALL ELECTRICAL SIGNAL PLAN - ADMINISTRATION

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2E2.1.5
Drawn Author ERIC, ISAIAH, BRANDON	Checker

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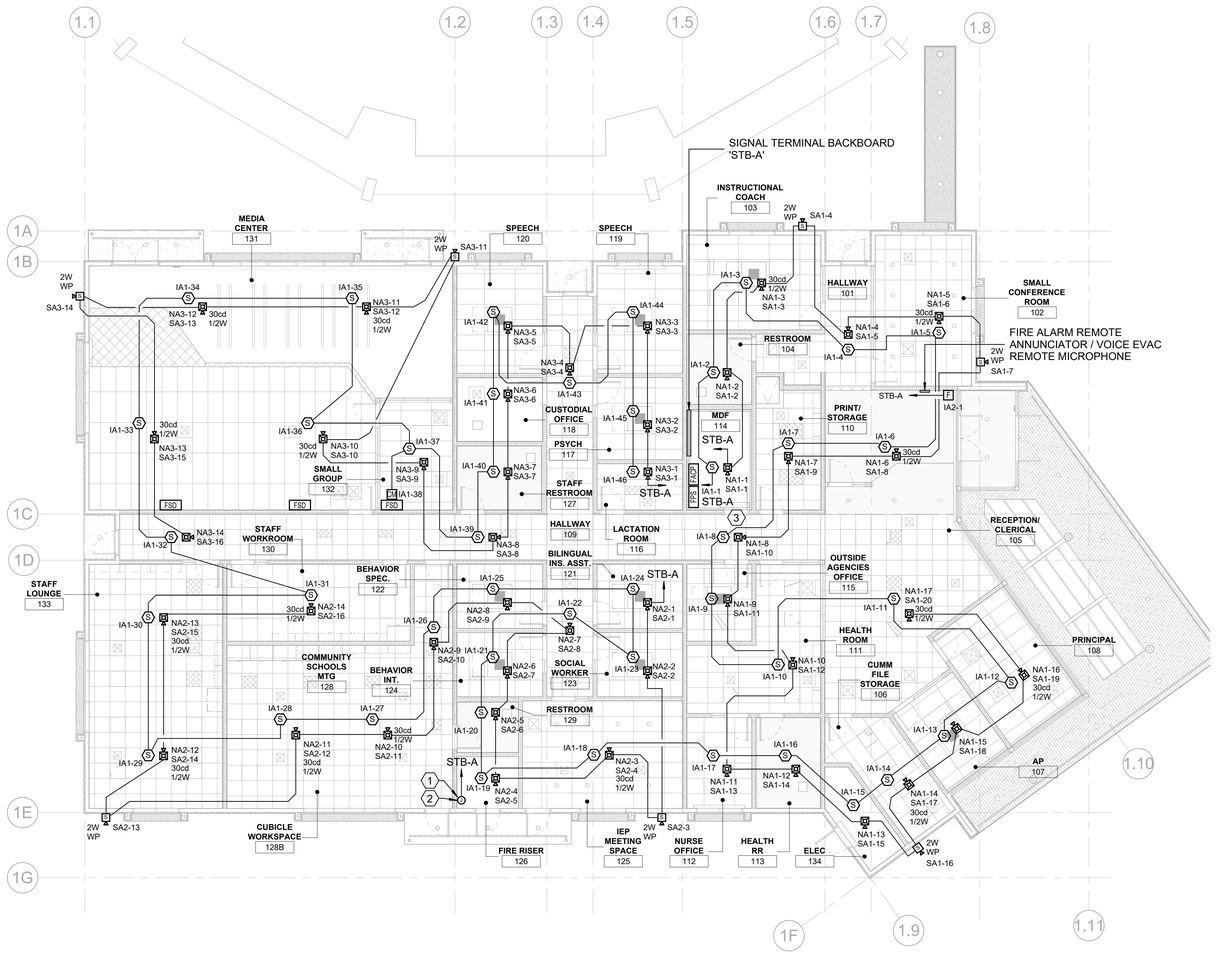
NUMBERED NOTES

1	CONNECT TO FIRE SPRINKLER RISER FLOW SWITCH.
2	CONNECT TO FIRE SPRINKLER RISER TAMPER SWITCH.
3	PROVIDE SIGN ON DOOR INDICATING "FIRE ALARM PANEL INSIDE".



1 ELECTRICAL FLOOR PLAN - FIRE ALARM - ADMINISTRATION BUILDING
SCALE: 1/8" = 1'-0"

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ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER JOHN DOMINGUEZ No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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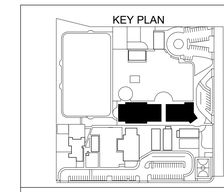

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OVERALL ELECTRICAL FIRE ALARM PLAN - ADMINISTRATION

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2E2.1.6
Drawn ERIC, ISAIAH, BRANDON	
Author Checker	

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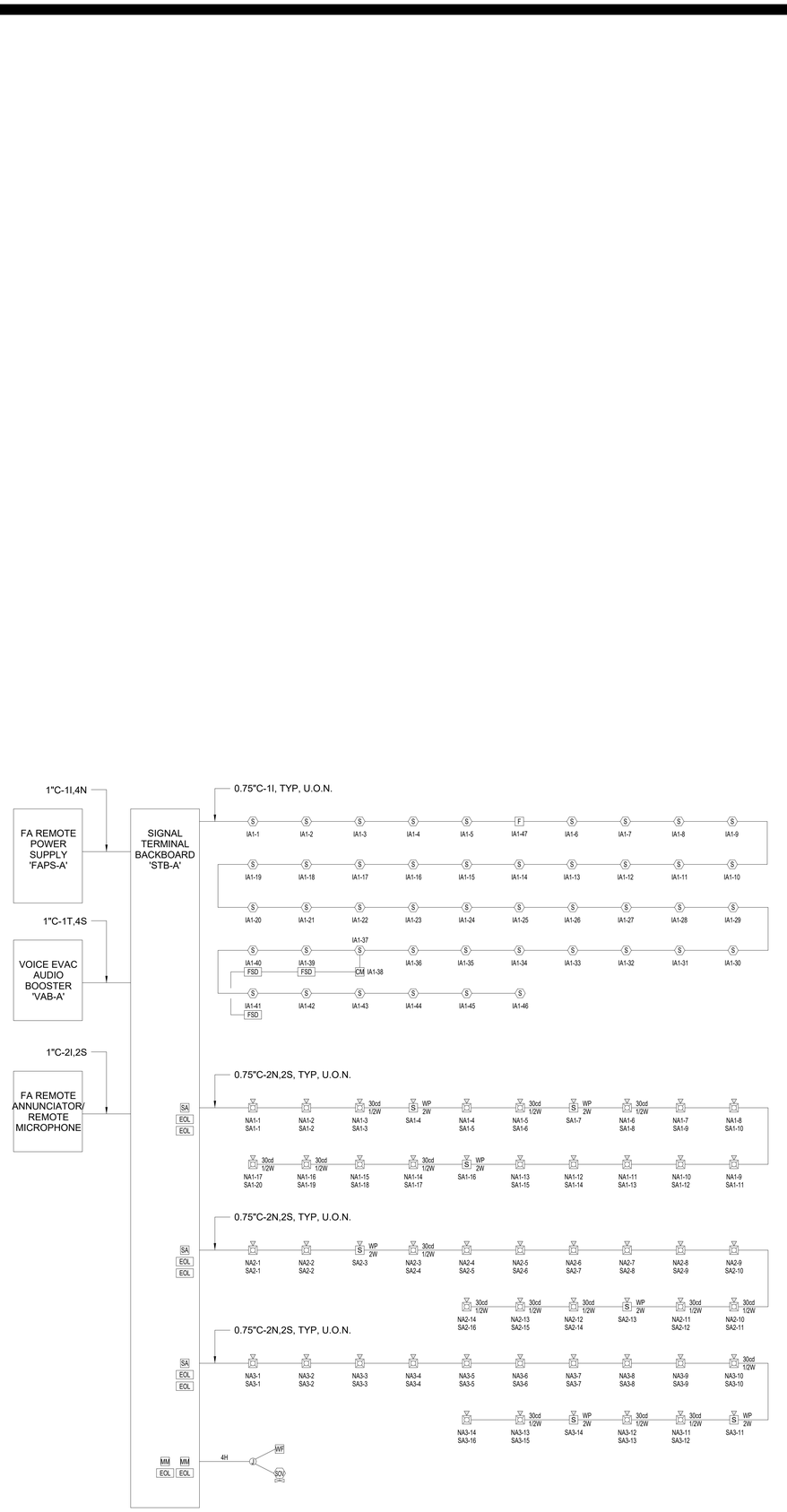

1 FIRE ALARM RISER DIAGRAM
NO SCALE

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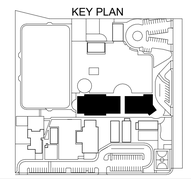

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OVERALL ELECTRICAL FIRE ALARM RISER AND CALCS - ADMINISTRATION

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2E2.1.7
Drawn Author: ERIC, ISAIAH, BRANDON	Checker

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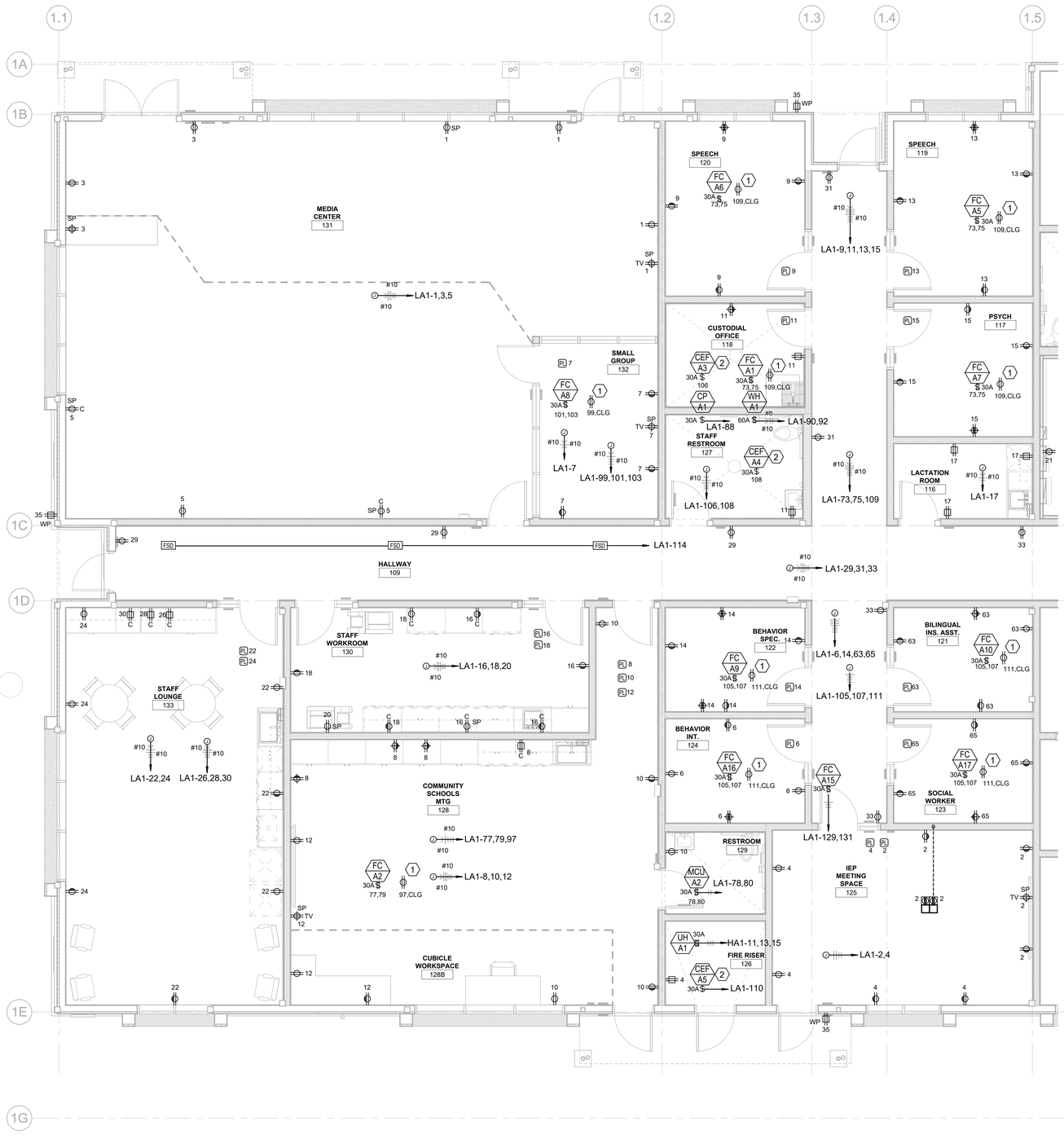

1 ENLARGED FLOOR PLAN - POWER - PHASE1.1 - ADMIN WEST
SCALE: 1/4" = 1'-0"

SHEET NOTES

1. REFER TO GENERAL NOTES ON SHEET 2E0.1 FOR ADDITIONAL CRITERIA.
2. FOR ALL HOME RUNS:
   A. PROVIDE CONDUIT, SIZE SHALL BE 1.00" UNLESS OTHERWISE NOTED, AND WIRE SIZE AS INDICATED ON PLANS.
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   B. NEMA TYPE RECEPTACLES OTHER THAN NEMA 5-20R - CONDUIT AND CONDUCTORS FROM JUNCTION BOX IN ROOM TO RECEPTACLE TO MATCH HOMERUNS CIRCUITS AS INDUCATED ON PLANS.
4. FOR HARDWIRED EQUIPMENT WITH NO CONDUIT OR CONDUCTORS INDICATED:
   A. PROVIDE CONDUIT AND CONDUCTORS FROM JUNCTION BOX IN ROOM TO EQUIPMENT TO MATCH HOMERUN CIRCUITS AS INDICATED ON PLANS. EQUIPMENT WITH DISCONNECT SHALL EXTEND THE SAME SIZE CONDUIT AND CONDUCTORS TO MATCH HOMERUN BETWEEN DISCONNECT AND EQUIPMENT.

NUMBERED NOTES

1	CONDENSATE PUMP, 120V, 93W. FIELD COORDINATE LOCATION OF CONDENSATE PUMP, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL CRITERIA.
2	CONNECT TO BE SWITCHED WITH LIGHT IN ROOM. REFER TO LIGHTING CONTROL DIAGRAM.

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ARCHITECT	ENGINEER
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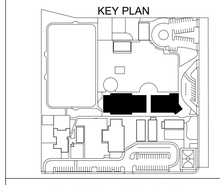
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

ENLARGED POWER PLAN - ADMINISTRATION WEST

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2E2.1.8
Drawn Author ERIC, ISAIAH, BRANDON	Checker

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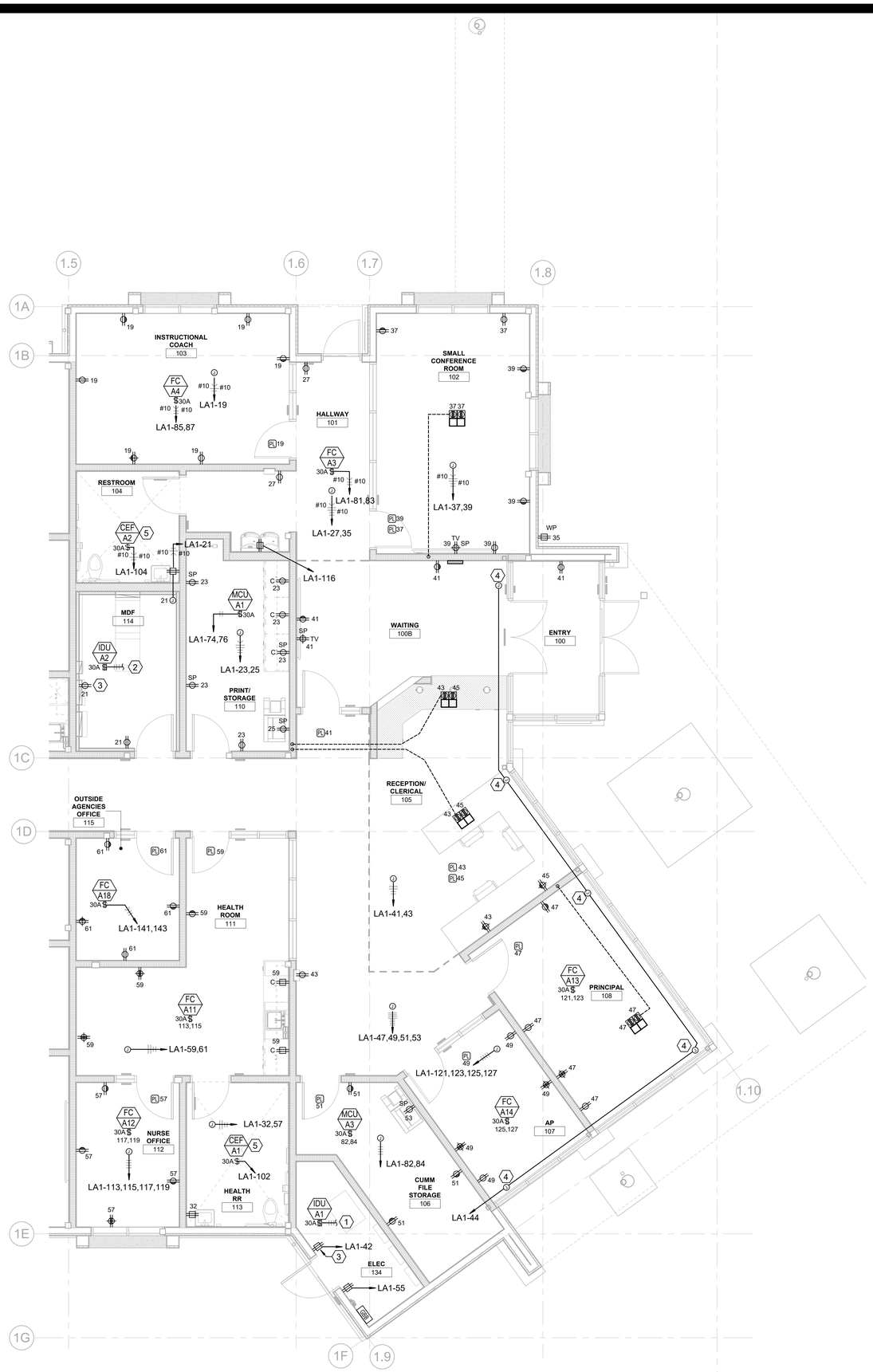

1 ENLARGED FLOOR PLAN - POWER - PHASE 1.1 - ADMIN EAST

SCALE: 1/4" = 1'-0"

SHEET NOTES

1. REFER TO GENERAL NOTES ON SHEET 2E0.1 FOR ADDITIONAL CRITERIA.
2. FOR ALL HOME RUNS:
   A. PROVIDE CONDUIT, SIZE SHALL BE 1.00" UNLESS OTHERWISE NOTED, AND WIRE SIZE AS INDICATED ON PLANS.
3. FOR RECEPTACLE DEVICES WHERE BRANCH CIRCUIT WIRING IS NOT SHOWN:
   A. FOR NEMA 5-20R - PROVIDE 0.75" CONDUIT WITH (2) #12 & (1) #12 'G' TO EACH RECEPTACLE FROM JUNCTION BOX INDICATED IN ROOM, UNLESS OTHERWISE NOTED.
   B. NEMA TYPE RECEPTACLES OTHER THAN NEMA 5-20R - CONDUIT AND CONDUCTORS FROM JUNCTION BOX IN ROOM TO RECEPTACLE TO MATCH HOMERUNS CIRCUITS AS INDUCATED ON PLANS.
4. FOR HARDWIRED EQUIPMENT WITH NO CONDUIT OR CONDUCTORS INDICATED:
   A. PROVIDE CONDUIT AND CONDUCTORS FROM JUNCTION BOX IN ROOM TO EQUIPMENT TO MATCH HOMERUN CIRCUITS AS INDICATED ON PLANS. EQUIPMENT WITH DISCONNECT SHALL EXTEND THE SAME SIZE CONDUIT AND CONDUCTORS TO MATCH HOMERUN BETWEEN DISCONNECT AND EQUIPMENT.

NUMBERED NOTES

1	FED FROM ODU-A1 LOCATED ON ROOF.
2	FED FROM ODU-A2 LOCATED ON ROOF.
3	CONDENSATE PUMP, 120V, 1.5A. SEE MECH PLANS FOR LOCATION.
4	CONNECT TO THE MOTORIZED SHADES.
5	CONNECT TO BE SWITCHED WITH LIGHT IN ROOM. REFER TO LIGHTING CONTROL DIAGRAM.

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ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER J. YOUNG, DUANE No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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○ CONSTRUCTION	

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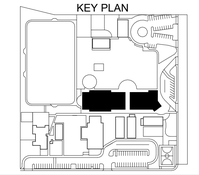

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ENLARGED POWER PLAN - ADMINISTRATION EAST

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2E2.1.9
Drawn ERIC, ISAIAH, BRANDON	Author Checker

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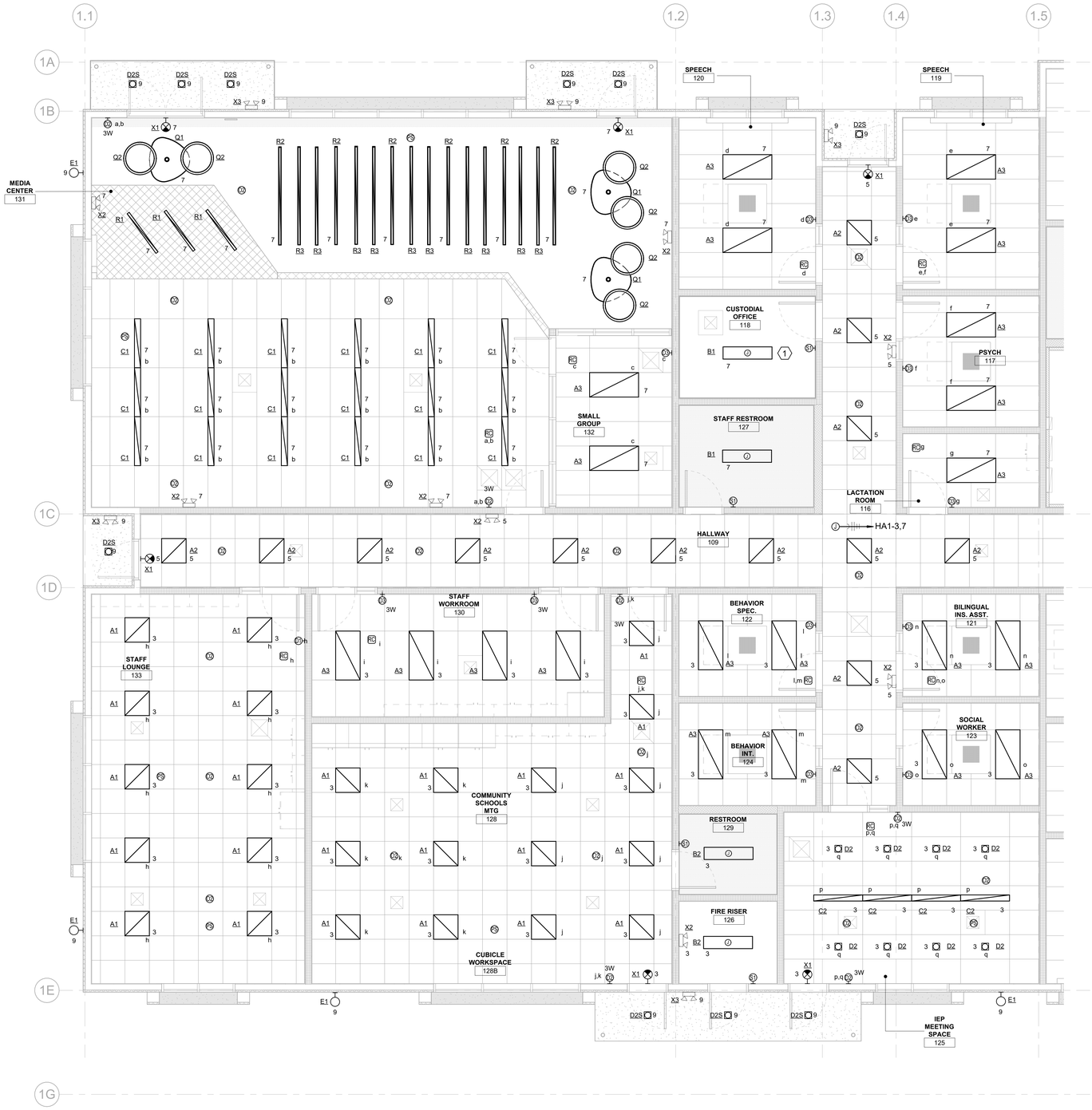

1 ENLARGED FLOOR PLAN - LIGHTING - PHASE1.1 - ADMIN WEST
SCALE: 1/4" = 1'-0"

SHEET NOTES

1. REFER TO GENERAL NOTES ON SHEET 2E0.1 FOR ADDITIONAL CRITERIA.
2. TYPICAL, ALL LIGHTING CONDCUTORS SHALL BE #10 AWG.
3. PROVIDE MINIMUM 0.75" CONDUIT WITH (2) #12 & (1) #12 'G' FROM JUNCTION BOX IN ROOM TO A JUNCTION BOX WITH A MAX 6' FLEX TO EACH LUMINAIRE.
4. SEE WIRING DIAGRAMS FOR ADDITIONAL WIRING REQUIREMENTS FOR LIGHTING CONTROLS. REFER TO SHEET 2E10.9.

NUMBERED NOTES

1	SUSPEND FIXTURES IN THIS ROOM FROM STRUCTURE ABOVE.

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Contact CHRIS

ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	PROFESSIONAL ENGINEER BRANDON DOMINGUEZ No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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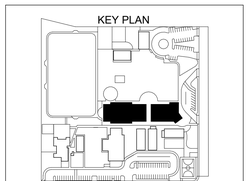

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ENLARGED LIGHTING PLAN - ADMINISTRATION WEST

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2E2.1.10
Drawn / Author: ERIC, ISAIAH, BRANDON	Checker

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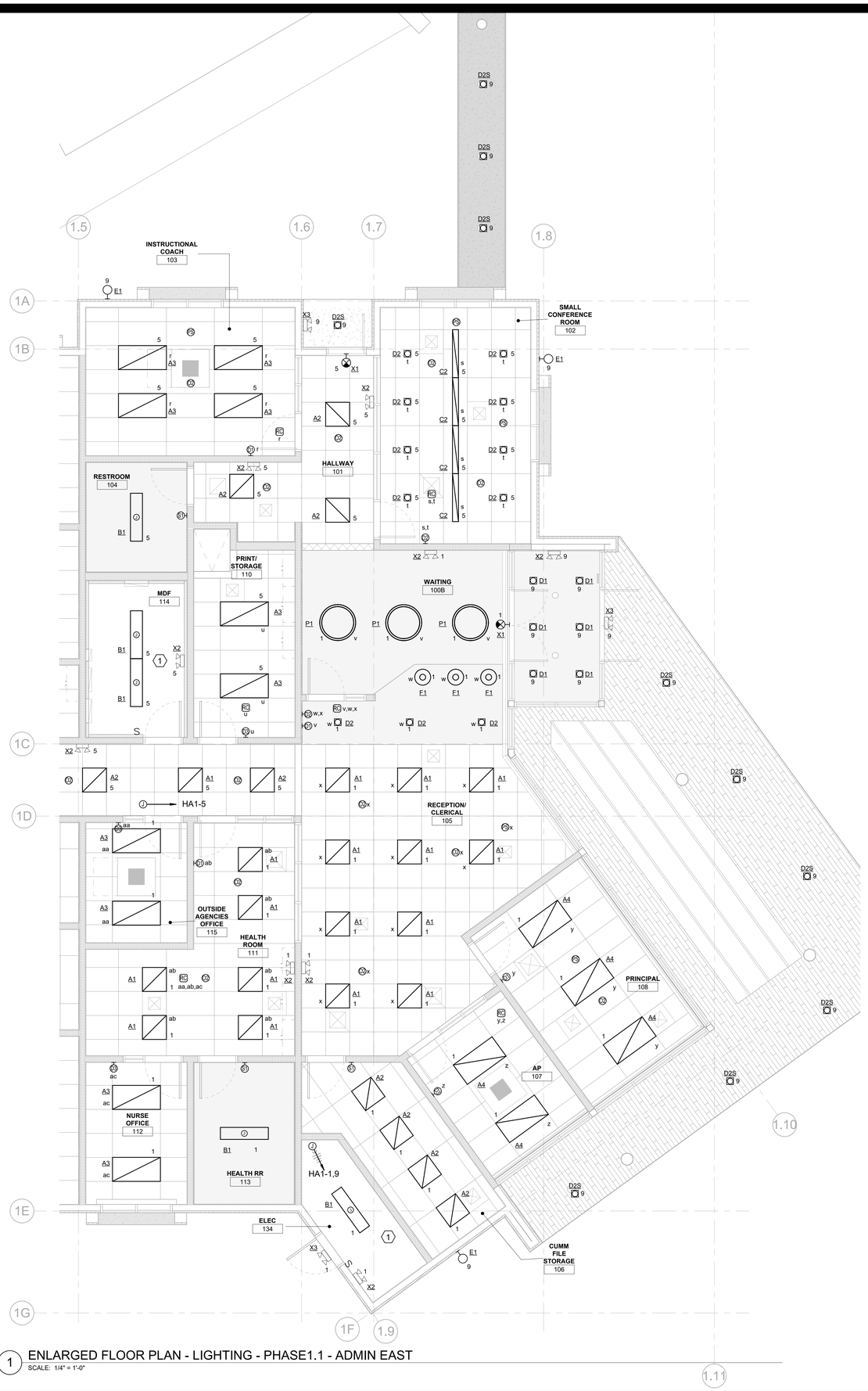

1 ENLARGED FLOOR PLAN - LIGHTING - PHASE1.1 - ADMIN EAST
SCALE: 1/4" = 1'-0"

SHEET NOTES

1. REFER TO GENERAL NOTES ON SHEET 2E0.1 FOR ADDITIONAL CRITERIA.
2. TYPICAL, ALL LIGHTING CONDCUTORS SHALL BE #10 AWG.
3. PROVIDE MINIMUM 0.75" CONDUIT WITH (2) #12 & (1) #12 'G' FROM JUNCTION BOX IN ROOM TO A JUNCTION BOX WITH A MAX 6' FLEX TO EACH LUMINAIRE.
4. SEE WIRING DIAGRAMS FOR ADDITIONAL WIRING REQUIREMENTS FOR LIGHTING CONTROLS. REFER TO SHEET 2E10.9.

NUMBERED NOTES

1	SUSPEND FIXTURES IN THIS ROOM FROM STRUCTURE ABOVE.

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Contact CHRIS

ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	07/10/2026

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RANCHO CORDOVA, CA 95670

ENLARGED LIGHTING PLAN - ADMINISTRATION EAST

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2E2.1.11
Drawn Author: ERIC, ISAIAH, BRANDON	Checker

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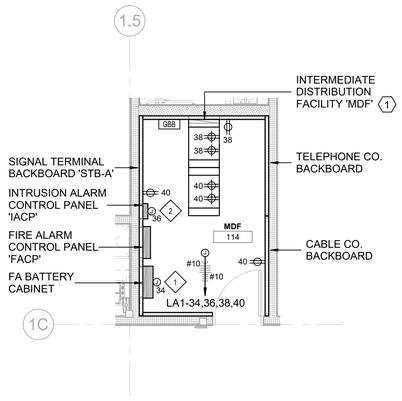
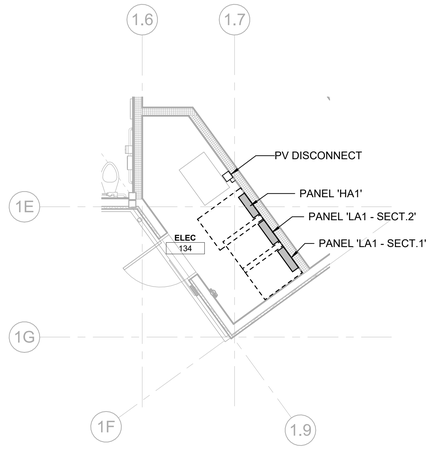


1 ELECTRICAL FLOOR PLAN - POWER - MDF - ADMIN
SCALE: 1/4" = 1'-0"



2 ELECTRICAL FLOOR PLAN - POWER - ELEC - ADMIN
SCALE: 1/4" = 1'-0"

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NUMBERED NOTES

1	PROVIDE RACK, WIRE MANAGEMENT, LADDER RACKS, GROUNDING/ BONDING PER THE FCUSD STANDARDS.

EQUIPMENT LIST

1	IACP, 120V, 0.5KVA.
2	FA BATTERY CABINET, 120V, 0.5KVA.

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ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	REGISTERED PROFESSIONAL ENGINEER ERIC S. BOONG DOMINGUEZ No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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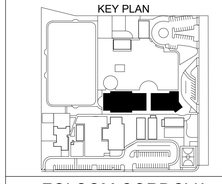

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ENLARGED ELECTRICAL & MDF - ADMINISTRATION

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2E2.1.12
Drawn ERIC, ISAIAH, BRANDON	
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1 ELECTRICAL FLOOR PLAN - POWER - 10 CLASSROOM BUILDING
SCALE: 1/8" = 1'-0"

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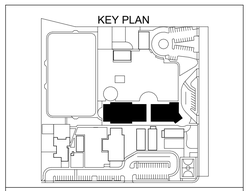

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RANCHO CORDOVA, CA 95670

OVERALL ELECTRICAL POWER PLAN - CLASSROOM

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2E2.2.1
Drawn ERIC, ISAIAH, BRANDON	
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PV SHEET NOTES (CONT.)

23. PROVIDE SIGNAGE ON ALL ELECTRIC PANELS TO KEEP THE SPACE 36" IN FRONT OF THE PANELS FREE OF OBSTRUCTIONS.

24. PROVIDE WARNING LABEL ON ALL PANELS "WARNING, ELECTRICAL ARC FLASH HAZARD, PERSONAL PROTECTION EQUIPMENT REQUIRED, FAILURE TO COMPLY CAN RESULY IN INJURY OR DEATH, REFER TO NFPA 70E." WHERE THE TERMINAL OF THE DISCONNECTING MEANS MAY BE ENERGIZED IN THE OPEN POSITION, A WARNING SIGN SHALL BE MOUNTED ON OR ADJACENT TO THE DISCONNECTING MEANS. THE SIGN SHALL BE CLEARLY LEGIBLE AND HAVE THE FOLLOWING WORDS OR EQUIVALENT: "WARNING - ELECTRIC SHOCK HAZARD, DO NOT TOUCH TERMINALS. TERMINALS ON BOTH THE LINE AND THE LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION."

25. UPDATE PANEL BOARD DIRECTORY AS CIRCUITS ARE INSTALLED. PREPARE TYPE WRITTEN PANEL SCHEDULES.

26. ALL EXTERIOR EQUIPMENT SHALL BE IN WEATHERPROOF (NEMA 3R) ENCLOSURES. ALL NEW WIRING SHALL BE IN CONDUIT, SUITABLE FOR SUN EXPOSURE AND WET LOCATIONS. FIELD APPLIED COATINGS ARE NOT ACCEPTABLE.

27. DC SOLAR POWER SHALL BE NEGATIVELY GROUNDED.

28. ALL MARKING SHALL BE PER CODE REQUIREMENTS.

29. INVERTERS MUST COMPLY WITH UL 1741 TO PREVENT ISLANDING ON POWER FAILURE. THE INVERTERS SHALL NOT PUT POWER ON TO THE GRID IF THE GRID IS OFF-LINE. INVERTERS ARE FULLY COMPLIANT WITH NEC 690.61.

30. NOTHING IN THESE PLANS SHALL BE CONSTUED TO CONTRADICT CEC, UL OR LOCAL CODES.

31. ALL SYSTEM COMPONENTS (MODULES AND INVERTERS ETC.) SHALL BE UL LISTED, UL2703 AND UL1703.
MOUNT TO ROOF USING UL APPROVED MOUNTING HARDWARE. FOLLOW MANUFACTURERS INSTALLATION MANUALS.

32. MARK THE CEC REQUIRED CLEAR SPACE ON THE FLOOR IN FRONT OF ALL DEVICES BEING INSTALLED.

33. SUPPORT ALL ROOF MOUNTED CONDUIT WITH FOAM "SLEEPERS" IN UL APPROVED SYSTEM.

34. PV MODULES SHALL NOT BE INSTALLED OVER ANY PLUMBING OR MECHANICAL VENTS, EXHAUSTS OR CHIMNEYS.

35. REMOVAL OF INVERTER, METER OR OTHER EQUIPMENT SHALL NOT DISCONNECT THE BONDING CONNECTION BETWEEN THE GROUNDING ELECTRODE CONDUTCTOR AND THE PHOTOVOTAIC SOURCE AND/OR OUTPUT CIRCUIT GROUNDED CONDUCTOR.

36. ALL PV MODULES AND ASSOCIATED EQUIPMENT SHALL BE PROTECTED FROM ANY PHYSICAL DAMAGE AND ACCESS BY UNQUALIFIED PERSONS.

37. UTILITY IS 277/480V 3 PHASE 4W. PV SYSTEM IS UTILITY INTERACTIVE.

38. SYSTEM CARRIES A "CLASS A" FIRE RATING.

PV SHEET NOTES

1. 48" SETBACK FROM AC UNITS.

2. 48" SETBACK PER CFC 1204.3.1 AND 1204.3.2 EXCEPTIONS
FROM PERIMETER OF ROOF.

3. USE OF THE SPACE BELOW ARRAYS IS PROHIBITED. MINIMUM HEIGHT OF PV ARRAYS FROM ROOF SURFACE
SHALL BE 2' 3".

4. CONDUIT ON ROOF SHALL BE GALVANIZED RIGID METALLIC CONDUIT AND TO BE RAN AT MINIMUM 1.5" HEIGHT FROM THE ROOF SURFACE.

5. EXACT JUNCTION BOX LOCATIONS TO BE DETERMINED IN FIELD.

6. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NEC (NATIONAL ELECTRIC CODE) WITH CALIFORNIA AMENDMENTS, NFPA (NATIONAL FIRE PROTECTION ASSOCIATION), AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES, LAWS AND REGULATIONS.

7. ALL WORK SHALL CONFORM TO APPLICABLE STATE AND FEDERAL SAFETY CODES INCLUDING OSHA AND CAL OSHA. NO "HOT" WORK IS AUTHORIZED. ALL "HOT" WORK SHALL BE APPROVED IN WRITING WITH THE GENERAL CONTRACTOR AND OWNER.

8. COORDINATE ALL WORK WITH ARCHITECTURAL, MECHANICAL AND STRUCTURAL DRAWINGS, INSTALL ALL WORK TO CLEAR NEW ARCHITECTURAL AND STRUCTURAL MEMBERS. NO ITEM SUCH AS A PIPE, DUCT, ETC. SHALL BE IN CONTACT WITH ANY ELECTRICAL EQUIPMENT.

9. CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY AND SECURITY OF THE WORKSITE. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

10. NOTIFY THE PRIME CONTRACTOR OR OWNER IMMEDIATELY AFTER DISCOVERING ANY HAZARDOUS MATERIAL.

11. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED. VERIFY THE EXACT LOCATIONS AND CONDITIONS OF ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS PRIOR TO ANY WORK. LOCATIONS FOR EQUIPMENT SHALL BE TAKEN FROM THE OTHER SHEETS WHERE THEY OCCUR. EXTEND WIRING FROM ALL JUNCTION BOXES, CONTROL PANELS, PUMPS, RECEPTACLES, SWITCHES, ETC. AND MAKE ALL FINAL CONNECTIONS TO THE EQUIPMENT AS REQUIRED.

12. THE INTENT OF THESE DRAWINGS IS FOR A COMPLETE ELECTRICAL SYSTEM. ANY ERRORS OR UNCERTAINTY SHALL BE BROUGHT TO THE ATTENTION OF THE PRIME CONTRACTOR AND ENGINEER AS SOON AS FOUND.

13. THE COMPLETE ELECTRICAL INSTALLATION SHALL BE TESTED AS A COMPLETE WORKING SYSTEM.

14. RESTORE ALL DAMAGES RESULTING FROM WORK AND LEAVE PREMISES IN CLEAN CONDITION WHEN FINISHED.

15. FIRE STOP ALL PENETRATIONS THROUGH FIRE RATED SURFACES.

16. ALL CONDUITS SHALL BE RIGID STEEL. MINIMUM SIZE SHALL BE 1/2". ALL CONDUIT, BOXES, AND ELECTRICAL FITTINGS SHALL BE STEEL.

17. DO NOT USE THE WORKING SPACE WITHIN ANY EXIT SIGN OR ASSOCIATED JUNCTION BOX FOR ANY OTHER CIRCUIT.

18. PROVIDE EXPANSION AND DEFLECTION FITTINGS IN CONDUITS CROSSING BUILDING EXPANSION AND SEISMIC JOINTS.

19. PROVIDE JUNCTION AND/OR PULL BOXES WHEN NECESSARY OR REQUIRED BY CEC SHALL BE USED.

20. INSTALL GREEN INSULATED GROUND WIRE IN ALL CIRCUITS. SIZE PER CEC REQUIREMENTS OR THE SAME AS PHASE CONDUCTORS, WHICHEVER IS LARGER. UNLESS INDICATED OTHERWISE.

21. ALL WIRING, CONDUIT, AND JUNCTION BOXES SHALL BE CONCEALED WITHIN NEW WALLS, CEILINGS OR FLOOR SPACES. SURFACE MOUNT CONDUIT ON OLD WALLS AND CEILINGS. RUN ALL SURFACE RACEWAY TIGHT TO THE STRUCTURE, PARALLEL TO BUILDING LINES.

22. NO FOREIGN EQUIPMENT SHALL BE LOCATED WITHIN THE SPACE ABOVE OR BELOW THE ELECTRIC PANELS.

SHEET NOTES

1. REFER TO GENERAL NOTES ON SHEET 2E0.1 FOR ADDITIONAL CRITERIA.

2. FOR ALL HOME RUNS:

   A. PROVIDE CONDUIT, SIZE SHALL BE 1.00" UNLESS OTHERWISE NOTED, AND WIRE SIZE AS INDICATED ON PLANS.

3. FOR RECEPTACLE DEVICES WHERE BRANCH CIRCUIT WIRING IS NOT SHOWN:

   A. FOR NEMA 5-20R - PROVIDE 0.75" CONDUIT WITH (2) #12 & (1) #12 'G' TO EACH RECEPTACLE FROM JUNCTION BOX INDICATED IN ROOM, UNLESS OTHERWISE NOTED.

   B. NEMA TYPE RECEPTACLES OTHER THAN NEMA 5-20R - CONDUIT AND CONDUCTORS FROM JUNCTION BOX IN ROOM TO RECEPTACLE TO MATCH HOMERUNS CIRCUITS AS INDUCATED ON PLANS.

4. FOR HARDWIRED EQUIPMENT WITH NO CONDUIT OR CONDUCTORS INDICATED:

   A. PROVIDE CONDUIT AND CONDUCTORS FROM JUNCTION BOX IN ROOM TO EQUIPMENT TO MATCH HOMERUN CIRCUITS AS INDICATED ON PLANS. EQUIPMENT WITH DISCONNECT SHALL EXTEND THE SAME SIZE CONDUIT AND CONDUCTORS TO MATCH HOMERUN BETWEEN DISCONNECT AND EQUIPMENT.

REQUIRED PV PER BUILDING

(BASED ON EQUATION 9-1 IN THE 2022 NONRESIDENTIAL AND MULTIFAMILY COMPLIANCE MANUAL
KWPV REQ. = (CFA*A)/1000
WHERE CFA = CONDITIONED FLOOR SPACE AND A = 1.63 FROM TABLE 9-1 CAPACITY FACTORS)

BUILDING	KW DC
CLASSROOM BUILDING	(12,152 * 1.63)/1000 = 19.80 KWDC

DESIGNED PV SYSTEM PER STRUCTURE

EACH PV PANEL IS 450 W.
TOTAL KW = (450*Q)/1000
WHERE Q IS QUANTITY OF PV PANELS.

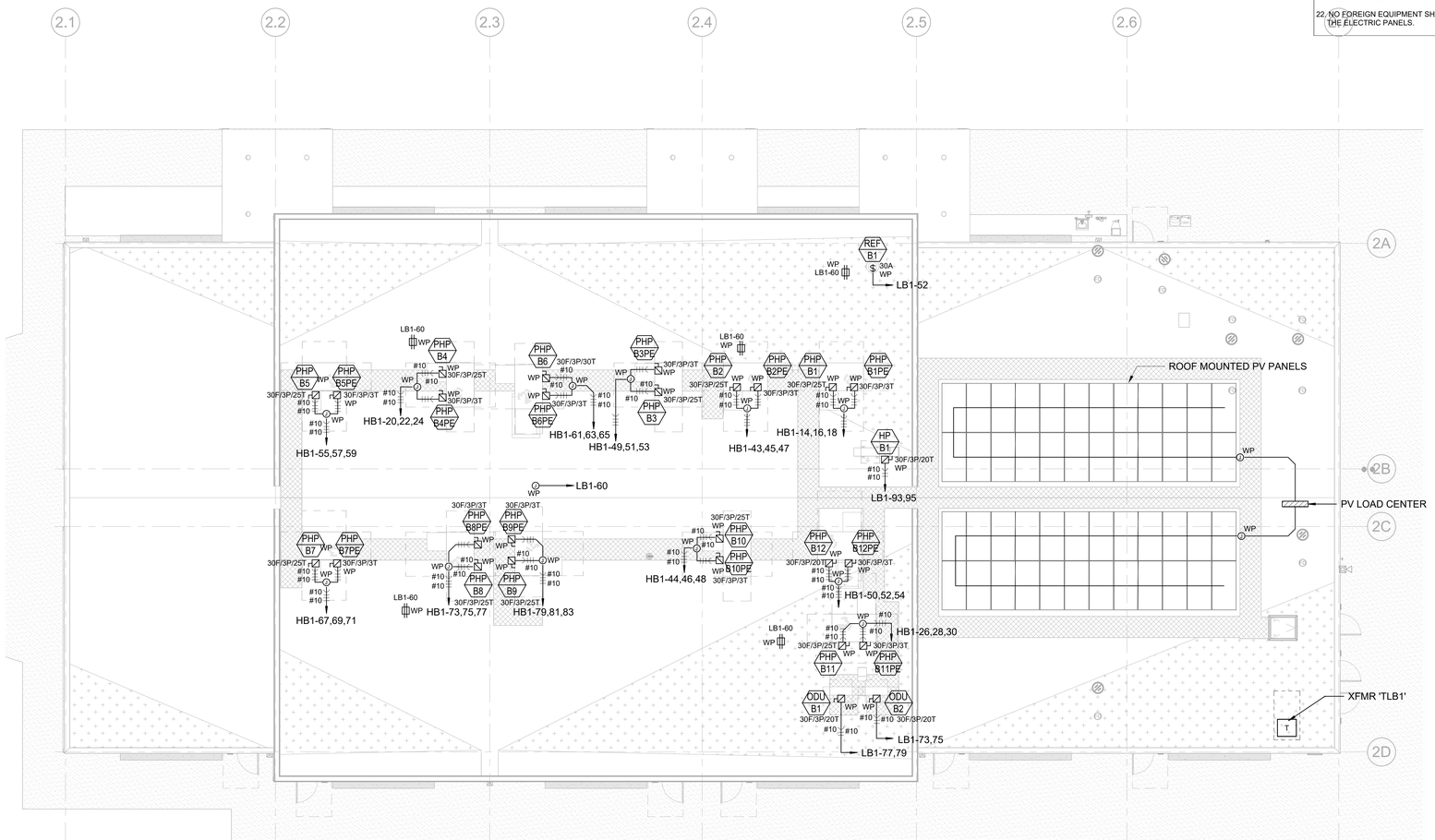
STRUCTURE #	KW DC
STRUCTURE #1	(450*24)/1000 = 10.8 KWDC
STRUCTURE #2	(450*24)/1000 = 10.8 KWDC
TOTAL PV SYSTEM DESIGNED KW	21.6 KWDC

PV BASIS OF DESIGN NOTES

THESE PV DRAWINGS ARE A BASIS OF DESIGN ONLY. THE CONTRACTOR SHALL HIRE A PV VENDOR TO PROVIDE TO PROVIDE INSTALLATION AND PROGRAMMING OF PV SYSTEM ALONG WITH SHOP DRAWINGS AND CALCULATIONS FOR THE ARCHITECT AND ELECTRICAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO PROCUREMENT AND INSTALLATION.

SHOP DRAWINGS AND CALCULATIONS TO INCLUDE THE FOLLOWING AT THE MINIMUM:

1. ELECTRICAL CONSTRUCTION GENERAL NOTES.
2. CODE COMPLIANCE
3. PROJECT INFORMATION, NAME, SITE ADDRESS, OWNER, AHJ, UTILTIY PROVIDER,APN, MAX BUILDING HEIGHT, TYPE OF CONSTRUCTION, FIRE SPRINKLER, OCCUPANCY CLASSIFICATION, SITE AREA, ETC.
4. SCOPE OF WORK.
5. PV MODULE INFO AND TOTALS.
6. MICROINVETER TYPE AND TOTALS.
7. RACKING SYSTEM.
8. SHEET INDEX
9. PV SYSTEM KWDC INFO.
10. PV PANEL LAYOUT AND GROUPING, DEGREE OF ROOF SLOPE, ARRAY TILT, ORIENTATION, AZIMUTH.
11. MOUNTING, ANCHORAGE, PENETRATION DETAILS.
12. LOCATION OF AC DISCONNECT, PV LOAD CENTER, MSD OR DIST PANEL, AND ELECTRICAL ROOM LOCATIONS.
13. BUILDING ELEVATIONS.
14. SINGLE LINE DIAGRAM, OUTPUT CALCULATIONS, PV MODULE RATINGS, MICROINVERTER RATINGS,GROUNDING CRITERIA, CONDUCTOR SIZING CALCULATIONS, AC CIRCUIT BREAKER RATING AND/CALCULATIONS.
15. PV SYSTEM CODE REQUIRED SIGNAGE, LEGENDS, AND MAPS OF SYSTEM.
16. DATA SHEETS AND CERTIFICATES.
17. PV SYSTEM MOUNTING PLAN.
18. STRUCTURAL DETAILS AND CALCULATIONS.
19. ROOF FRAMING PLANS.



1 FLOOR PLAN - ROOF - 10 CLASSROOM BUILDING
SCALE: 1/8" = 1'-0"

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Project Number M370
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ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER ALONG DOMINGUEZ No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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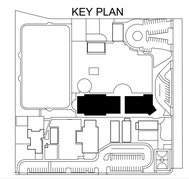
NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



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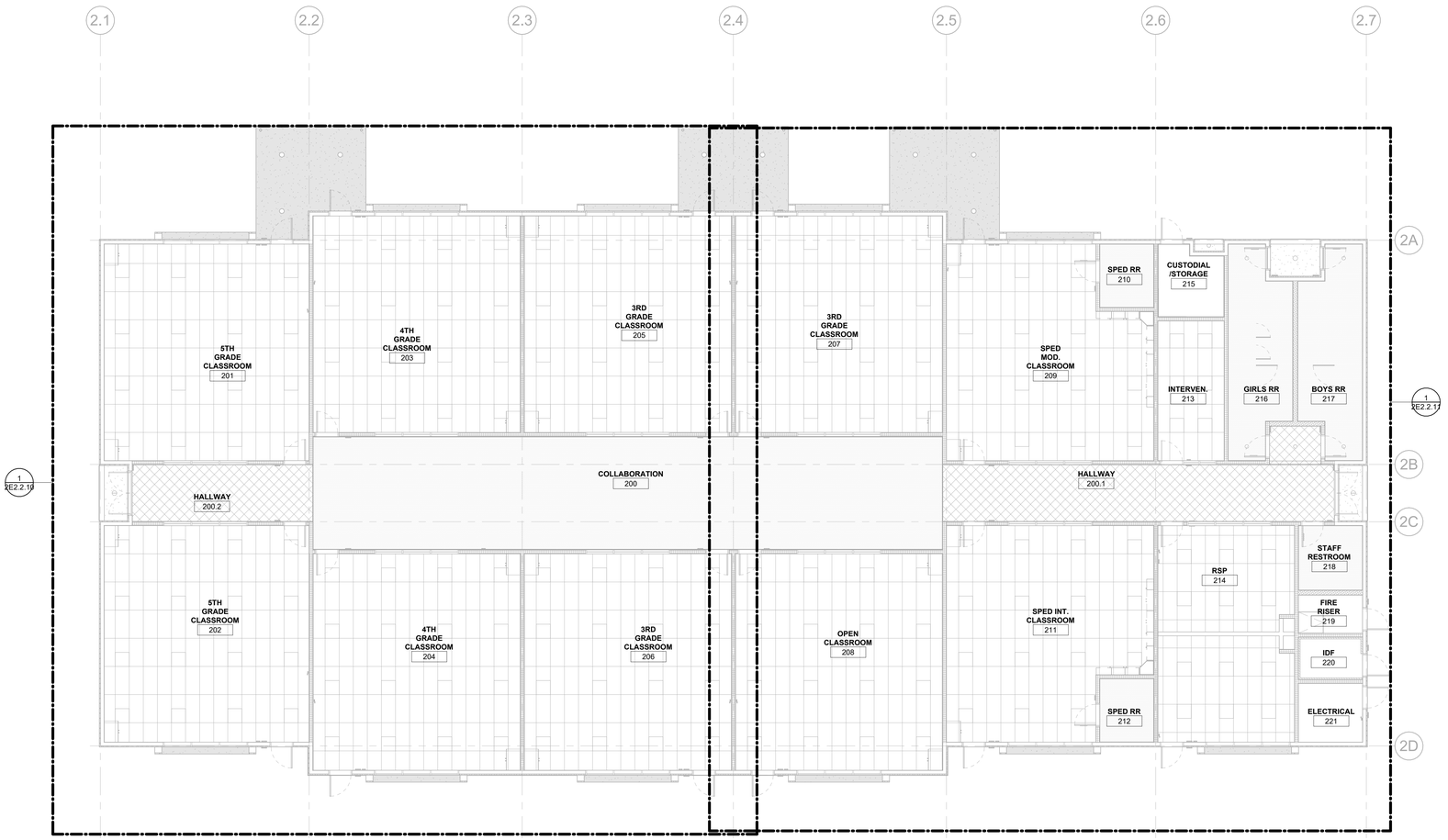
OVERALL ELECTRICAL ROOF PLAN - CLASSROOM

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2E2.2.2
Drawn / Author: ERIC, ISAIAH, BRANDON	Checker



1 ELECTRICAL FLOOR PLAN - LIGHTING - CLASSROOM 10 BUILDING
SCALE: 1/8" = 1'-0"

SHEET NOTES

1. REFER TO GENERAL NOTES ON SHEET 2E0.1 FOR ADDITIONAL CRITERIA.
2. TYPICAL, ALL LIGHTING CONDCUTORS SHALL BE #10 AWG.
3. PROVIDE MINIMUM 0.75" CONDUIT WITH (2) #12 & (1) #12 'G' FROM JUNCTION BOX IN ROOM TO A JUNCTION BOX WITH A MAX 6' FLEX TO EACH LUMINAIRE.
4. SEE WIRING DIAGRAMS FOR ADDITIONAL WIRING REQUIREMENTS FOR LIGHTING CONTROLS. REFER TO SHEET 2E10.9.

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DATE SIGNED: 07/13/2026	PROFESSIONAL ENGINEER No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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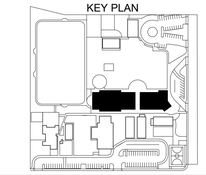
KEY PLAN



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OVERALL ELECTRICAL LIGHTING PLAN - CLASSROOM

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2E2.2.3
Drawn Author: ERIC, ISAIAH, BRANDON	Checker

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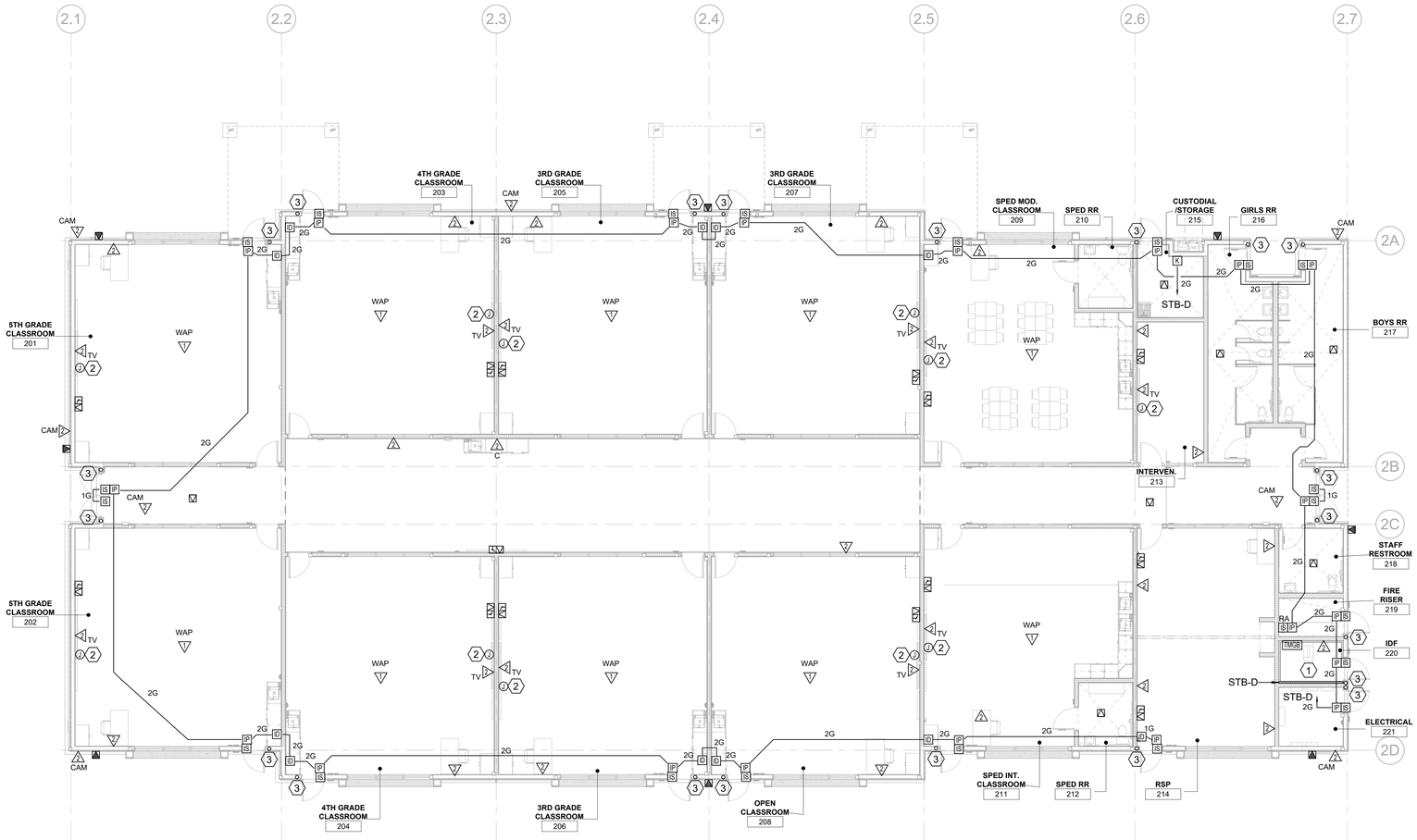

1 ELECTRICAL FLOOR PLAN - SIGNAL - 10 CLASSROOM BUILDING
SCALE: 1/8" = 1'-0"

NUMBERED NOTES

1	TELECOM RACK.
2	2G BOX WITH 2G RING AND BLANK PLATE. PROVIDE 1.25" MT STUBBED ABOVE ACCESSIBLE CEILING.
3	FROM HINGE SIDE OF DOOR, PROVIDE 1.00" MT STUBBED ABOVE ACCESSIBLE CEILING FOR ACCESS CONTROLS. VERIFY EXACT REQUIREMENTS PRIOR TO ROUGH-IN.

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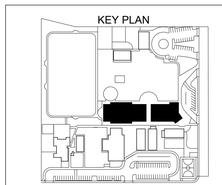
KEY PLAN



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OVERALL ELECTRICAL SIGNAL PLAN - CLASSROOM

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2E2.2.5
Drawn Author: ERIC, ISAIAH, BRANDON	Checker

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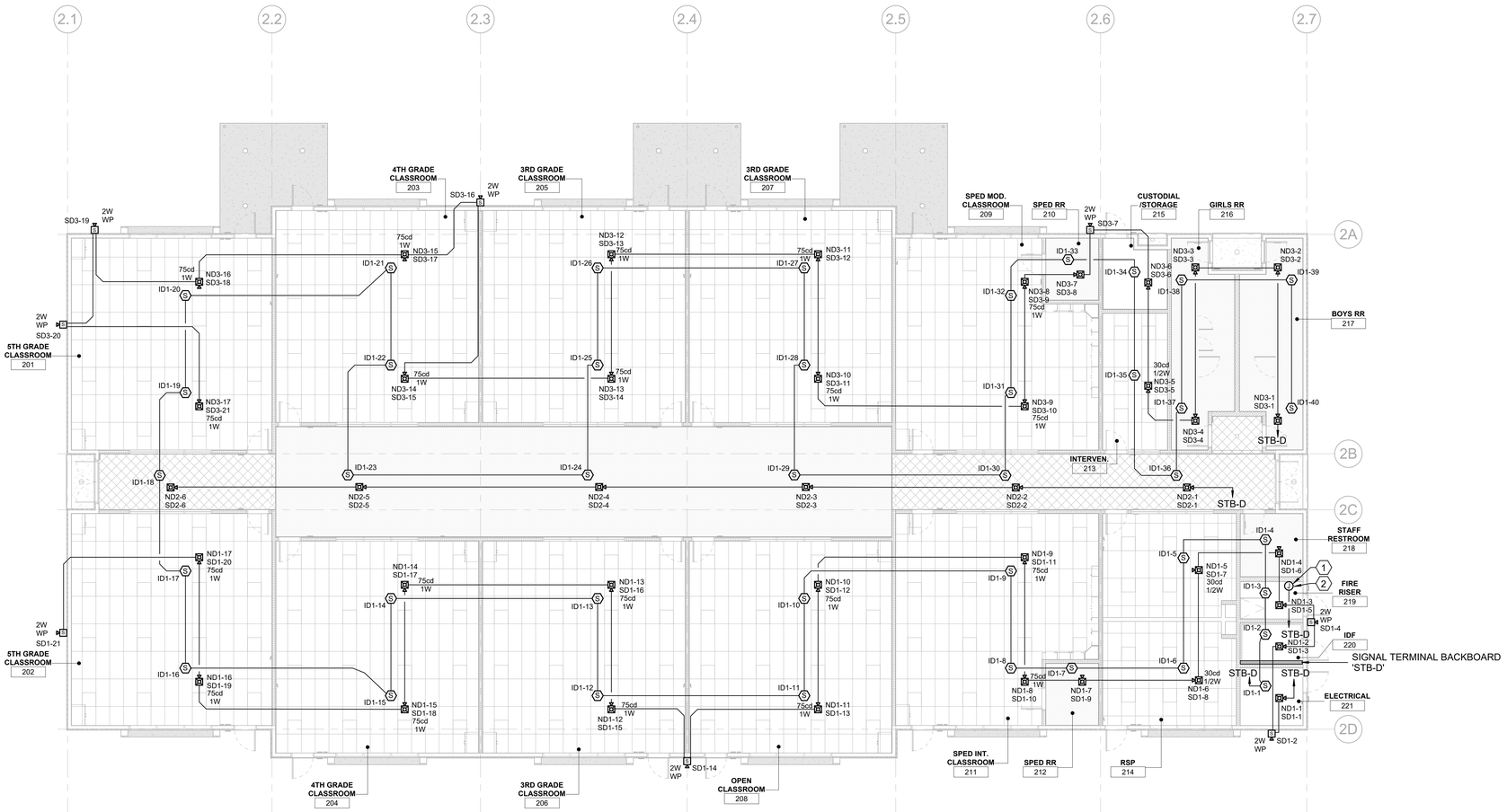
NUMBERED NOTES

1	CONNECT TO FIRE SPRINKLER RISER FLOW SWITCH.
2	CONNECT TO FIRE SPRINKLER RISER TAMPER SWITCH.



1 ELECTRICAL FLOOR PLAN - FIRE ALARM - 10 CLASSROOM BUILDING

SCALE: 1/8" = 1'-0"

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Contact CHRIS

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● DSA BACK CHECK	07/13/2026
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○ CONSTRUCTION	

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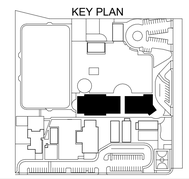

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OVERALL ELECTRICAL FIRE ALARM PLAN - CLASSROOM

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2E2.2.6
Drawn Author ERIC, ISAIAH, BRANDON	Checker

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Control Panel Designation: VAB

Battery Calculation Standby: 24 hr.
and Alarm: 15 min.

(E) / (N)	Model #	Description	Standby Current	Alarm Current	Qty.	Total Standby Current	Total Alarm Current
Control Panel Modules							
(N)	SPB-320	Voice Evac Audio Booster/Amplifier	0.130	0.130	1	0.130	0.130
	-	-	0.000	0.000	0	0.000	0.000
	-	-	0.000	0.000	0	0.000	0.000
	-	-	0.000	0.000	0	0.000	0.000
	-	-	0.000	0.000	0	0.000	0.000
	-	-	0.000	0.000	0	0.000	0.000
	-	-	0.000	0.000	0	0.000	0.000
	-	-	0.000	0.000	0	0.000	0.000
		Control Panel Modules Totals				**0.130**	**0.130**
Notification Appliance Circuits							
	Spare	Speaker Circuit	N1	0.000	0.000	1	0.000	0.000
	Spare	Speaker Circuit	N2	0.000	0.000	1	0.000	0.000
	Spare	Speaker Circuit	N3	0.000	0.000	1	0.000	0.000
	Spare	Speaker Circuit	N4	0.000	0.000	1	0.000	0.000
		Notification Appliance Circuit Totals				**0.000**	**0.000**
		Overall Totals				0.130	0.130

Summary:

Standby Amps x 24 hrs. = Amp hrs.	3.120
Alarm Current x 0.25 hrs = Amp hrs.	0.033
Total Amp Hour Current	3.153
25% Safety Factor	0.788
TOTAL AMP HOUR BATTERY REQUIRED	**3.941**

Wattage Summary:

Amplifier Watts:	50.0
Watts Used:	0.0
Spare Watts:	50.0

AH BATTERY PROVIDED **12.0**

Control Panel Designation: FACP

Battery Calculation Standby: 24 hr.
and Alarm: 15 min.

(E) / (N)	Model #	Description	Standby Current	Alarm Current	Qty.	Total Standby Current	Total Alarm Current
Control Panel Modules							
(N)	NFS2-3030	Fire Alarm Control Panel	2.287	2.217	1	2.287	2.217
		Control Panel Modules Totals				**2.287**	**2.217**
Notification Appliance Circuits							
	Spare	Notification Circuit	-	0.000	0.000	1	0.000	0.000
	Spare	Notification Circuit	-	0.000	0.000	1	0.000	0.000
	Spare	Notification Circuit	-	0.000	0.000	1	0.000	0.000
	Spare	Notification Circuit	-	0.000	0.000	1	0.000	0.000
		Notification Appliance Circuit Totals				**0.000**	**0.000**
		Overall Totals				2.287	2.217

Summary:

Standby Amps x 24 hrs. = Amp hrs.	54.888
Alarm Current x 0.25 hrs = Amp hrs.	0.554
Total Amp Hour Current	55.442
25% Safety Factor	13.861
TOTAL AMP HOUR BATTERY REQUIRED	**69.303**

AH BATTERY PROVIDED **75.0**

Appliance Circuit Voltage Drop: NA3

This calculator provided voltage drop calculations in a Point-to-Point format.
Resistance Value: 18=8.08, 16=5.08, 14=3.19, 12=2.01, 10=1.26
18-10 Awg = Solid Conductors — Resistance for copper wire based on NEC Chapter 9, Table 8.
Nominal System Voltage: 24 V — Wire: Ohm's
Minimum Device Voltage: 16 V — Gauge: Per 1000
Value is in Amps. eg.: .100 = 100 mA
Distance is measured in feet.

Model Number	Device Description	Device Number	Device Current	Distance from previous device	Wire Guage	Ohm's Per 1000	Voltage: At Device	Voltage: Drop from source	Voltage: Percent Drop
ELSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NA3 -1	0.022	25	12	2.01	23.97	0.034	0.14%
ELSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NA3 -2	0.022	15	12	2.01	23.95	0.053	0.22%
ELSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NA3 -3	0.022	20	12	2.01	23.92	0.077	0.32%
ELSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NA3 -4	0.022	20	12	2.01	23.90	0.099	0.41%
ELSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NA3 -5	0.022	20	12	2.01	23.88	0.119	0.50%
ELSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NA3 -6	0.022	15	12	2.01	23.87	0.133	0.56%
ELSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NA3 -7	0.022	20	12	2.01	23.85	0.150	0.63%
ELSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NA3 -8	0.022	20	12	2.01	23.84	0.165	0.69%
ELSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NA3 -9	0.022	25	12	2.01	23.82	0.181	0.76%
ELSPSTRC (30cd)	Speaker/Strobe, Ceiling, 30cd	NA3 -10	0.03	25	12	2.01	23.80	0.196	0.82%
ELSPSTRC (30cd)	Speaker/Strobe, Ceiling, 30cd	NA3 -11	0.03	30	12	2.01	23.79	0.209	0.87%
ELSPSTRC (30cd)	Speaker/Strobe, Ceiling, 30cd	NA3 -12	0.03	30	12	2.01	23.78	0.219	0.91%
ELSPSTRC (30cd)	Speaker/Strobe, Ceiling, 30cd	NA3 -13	0.03	30	12	2.01	23.77	0.225	0.94%
ELSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NA3 -14	0.022	25	12	2.01	23.77	0.228	0.95%
		Total	**0.340**	**320**			**23.77**	**0.228**	**0.95%**

Summary:

Available Amp on Circuit	6 A	End of Line Voltage	23.77 V
Remaining Amp on Circuit	5.660 A	Total Voltage Drop	0.228 V
Remaining Amp % on Circuit	94.33%	Voltage Drop %	1.12%

Appliance Circuit Voltage Drop: SA3

This calculator provided voltage drop calculations in a Point-to-Point format.
Resistance Value: 18=8.08, 16=5.08, 14=3.19, 12=2.01, 10=1.26
18-10 Awg = Solid Conductors — Resistance for copper wire based on NEC Chapter 9, Table 8.
Nominal System Voltage: 24 V — Wire: Ohm's
Minimum Device Voltage: 16 V — Gauge: Per 1000
Value is in Amps. eg.: .100 = 100 mA
Distance is measured in feet.

Model Number	Device Description	Device Number	Device Current	Distance from previous device	Wire Guage	Ohm's Per 1000	Voltage: At Device	Voltage: Drop from source	Voltage: Percent Drop
ELSPSTRC (1/4W)	Speaker/Strobe, Ceiling, 1/4W	SA3 -1	0.01	25	12	2.01	23.98	0.018	0.08%
ELSPSTRC (1/4W)	Speaker/Strobe, Ceiling, 1/4W	SA3 -2	0.01	15	12	2.01	23.97	0.028	0.12%
ELSPSTRC (1/4W)	Speaker/Strobe, Ceiling, 1/4W	SA3 -3	0.01	20	12	2.01	23.96	0.041	0.17%
ELSPSTRC (1/4W)	Speaker/Strobe, Ceiling, 1/4W	SA3 -4	0.01	20	12	2.01	23.95	0.053	0.22%
ELSPSTRC (1/4W)	Speaker/Strobe, Ceiling, 1/4W	SA3 -5	0.01	20	12	2.01	23.94	0.065	0.27%
ELSPSTRC (1/4W)	Speaker/Strobe, Ceiling, 1/4W	SA3 -6	0.01	15	12	2.01	23.93	0.072	0.30%
ELSPSTRC (1/4W)	Speaker/Strobe, Ceiling, 1/4W	SA3 -7	0.01	20	12	2.01	23.92	0.082	0.34%
ELSPSTRC (1/4W)	Speaker/Strobe, Ceiling, 1/4W	SA3 -8	0.01	20	12	2.01	23.91	0.091	0.38%
ELSPSTRC (1/4W)	Speaker/Strobe, Ceiling, 1/4W	SA3 -9	0.01	25	12	2.01	23.90	0.101	0.42%
ELSPSTRC (1/2W)	Speaker/Strobe, Ceiling, 1/2W	SA3 -10	0.02	25	12	2.01	23.89	0.110	0.46%
ELSPSTRC (1/2W)	Speaker/Strobe, Ceiling, 1/2W	SA3 -11	0.02	30	12	2.01	23.88	0.118	0.49%
ELSPSTRC (1/2W)	Speaker/Strobe, Ceiling, 1/2W	SA3 -12	0.02	30	12	2.01	23.88	0.124	0.52%
ELSPSTRC (1/2W)	Speaker/Strobe, Ceiling, 1/2W	SA3 -13	0.02	30	12	2.01	23.87	0.128	0.53%
ELSPSTRC (1/4W)	Speaker/Strobe, Ceiling, 1/4W	SA3 -14	0.01	25	12	2.01	23.87	0.129	0.54%
		Total	**0.180**	**320**			**23.87**	**0.129**	**0.54%**

Summary:

Available Amp on Circuit	6 A	End of Line Voltage	23.87 V
Remaining Amp on Circuit	5.820 A	Total Voltage Drop	0.129 V
Remaining Amp % on Circuit	97.00%	Voltage Drop %	0.63%

Appliance Circuit Voltage Drop: ND3

This calculator provided voltage drop calculations in a Point-to-Point format.
Resistance Value: 18=8.08, 16=5.08, 14=3.19, 12=2.01, 10=1.26
18-10 Awg = Solid Conductors — Resistance for copper wire based on NEC Chapter 9, Table 8.
Nominal System Voltage: 24 V — Wire: Ohm's
Minimum Device Voltage: 16 V — Gauge: Per 1000
Value is in Amps. eg.: .100 = 100 mA
Distance is measured in feet.

Model Number	Device Description	Device Number	Device Current	Distance from previous device	Wire Guage	Ohm's Per 1000	Voltage: At Device	Voltage: Drop from source	Voltage: Percent Drop
ELSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	ND3 -1	0.022	45	12	2.01	23.86	0.138	0.57%
ELSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	ND3 -2	0.022	25	12	2.01	23.79	0.212	0.88%
ELSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	ND3 -3	0.022	20	12	2.01	23.73	0.270	1.12%
ELSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	ND3 -4	0.022	25	12	2.01	23.66	0.340	1.42%
ELSPSTRC (30cd)	Speaker/Strobe, Ceiling, 30cd	ND3 -5	0.03	20	12	2.01	23.61	0.394	1.64%
ELSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	ND3 -6	0.022	25	12	2.01	23.54	0.459	1.91%
ELSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	ND3 -7	0.022	20	12	2.01	23.49	0.509	2.12%
ELSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	ND3 -8	0.06	15	12	2.01	23.46	0.545	2.27%
ELSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	ND3 -9	0.06	25	12	2.01	23.40	0.599	2.50%
ELSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	ND3 -10	0.06	40	12	2.01	23.32	0.676	2.82%
ELSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	ND3 -11	0.06	25	12	2.01	23.28	0.719	2.99%
ELSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	ND3 -12	0.06	40	12	2.01	23.22	0.777	3.24%
ELSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	ND3 -13	0.06	25	12	2.01	23.19	0.807	3.36%
ELSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	ND3 -14	0.06	40	12	2.01	23.15	0.845	3.52%
ELSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	ND3 -15	0.06	25	12	2.01	23.14	0.863	3.60%
ELSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	ND3 -16	0.06	40	12	2.01	23.12	0.883	3.68%
ELSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	ND3 -17	0.06	25	12	2.01	23.11	0.889	3.70%
		Total	**0.762**	**480**			**23.11**	**0.889**	**3.70%**

Summary:

Available Amp on Circuit	6 A	End of Line Voltage	23.11 V
Remaining Amp on Circuit	5.238 A	Total Voltage Drop	0.889 V
Remaining Amp % on Circuit	87.30%	Voltage Drop %	4.36%

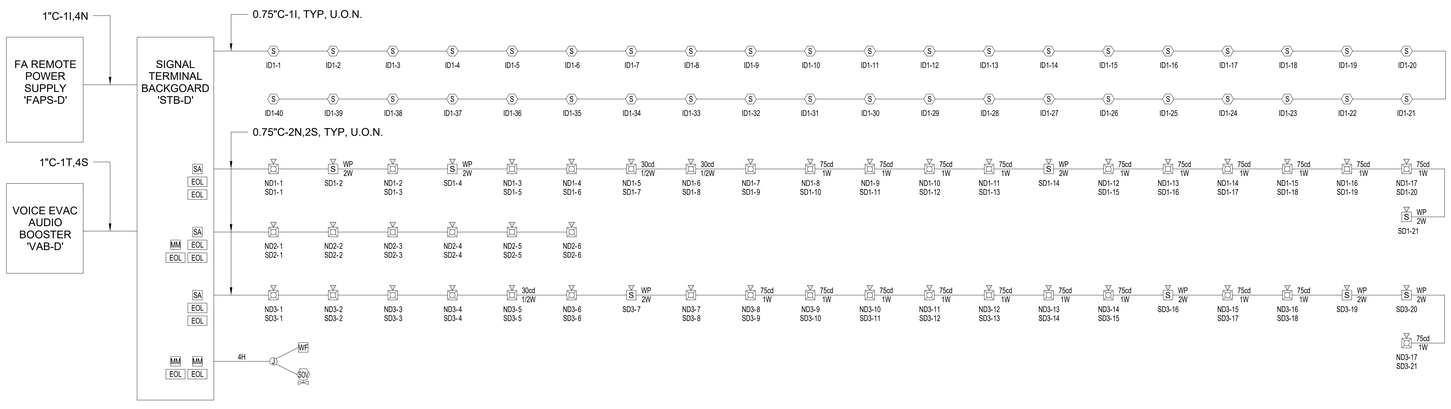
Appliance Circuit Voltage Drop: SD1

This calculator provided voltage drop calculations in a Point-to-Point format.
Resistance Value: 18=8.08, 16=5.08, 14=3.19, 12=2.01, 10=1.26
18-10 Awg = Solid Conductors — Resistance for copper wire based on NEC Chapter 9, Table 8.
Nominal System Voltage: 24 V — Wire: Ohm's
Minimum Device Voltage: 16 V — Gauge: Per 1000
Value is in Amps. eg.: .100 = 100 mA
Distance is measured in feet.

Model Number	Device Description	Device Number	Device Current	Distance from previous device	Wire Guage	Ohm's Per 1000	Voltage: At Device	Voltage: Drop from source	Voltage: Percent Drop
ELSPSTRC (1/4W)	Speaker/Strobe, Ceiling, 1/4W	SD1 -1	0.01	20	12	2.01	23.96	0.039	0.16%
ELSPSTRC (1/4W)	Speaker/Strobe, Ceiling, 1/4W	SD1 -2	0.01	15	12	2.01	23.93	0.067	0.28%
ELSPSTRC (1/4W)	Speaker/Strobe, Ceiling, 1/4W	SD1 -3	0.01	15	12	2.01	23.91	0.095	0.39%
ELSPSTRC (1/4W)	Speaker/Strobe, Ceiling, 1/4W	SD1 -4	0.01	15	12	2.01	23.88	0.122	0.51%
ELSPSTRC (1/2W)	Speaker/Strobe, Ceiling, 1/2W	SD1 -5	0.02	20	12	2.01	23.84	0.157	0.65%
ELSPSTRC (1/2W)	Speaker/Strobe, Ceiling, 1/2W	SD1 -6	0.02	25	12	2.01	23.80	0.199	0.83%
ELSPSTRC (1W)	Speaker/Strobe, Ceiling, 1W	SD1 -7	0.04	30	12	2.01	23.75	0.248	1.03%
ELSPSTRC (1W)	Speaker/Strobe, Ceiling, 1W	SD1 -8	0.04	25	12	2.01	23.72	0.284	1.18%
ELSPSTRC (1W)	Speaker/Strobe, Ceiling, 1W	SD1 -9	0.04	40	12	2.01	23.66	0.335	1.40%
ELSPSTRC (1W)	Speaker/Strobe, Ceiling, 1W	SD1 -10	0.04	25	12	2.01	23.64	0.363	1.51%
ELSPSTRC (1W)	Speaker/Strobe, Ceiling, 1W	SD1 -11	0.04	40	12	2.01	23.60	0.402	1.68%
ELSPSTRC (1W)	Speaker/Strobe, Ceiling, 1W	SD1 -12	0.04	25	12	2.01	23.58	0.422	1.76%
ELSPSTRC (1W)	Speaker/Strobe, Ceiling, 1W	SD1 -13	0.04	40	12	2.01	23.55	0.448	1.87%
ELSPSTRC (1W)	Speaker/Strobe, Ceiling, 1W	SD1 -14	0.04	25	12	2.01	23.54	0.460	1.92%
ELSPSTRC (1W)	Speaker/Strobe, Ceiling, 1W	SD1 -15	0.04	40	12	2.01	23.53	0.473	1.97%
ELSPSTRC (1W)	Speaker/Strobe, Ceiling, 1W	SD1 -16	0.04	25	12	2.01	23.52	0.477	1.99%
		Total	**0.480**	**425**			**23.52**	**0.477**	**1.99%**

Summary:

Available Amp on Circuit	6 A	End of Line Voltage	23.52 V
Remaining Amp on Circuit	5.520 A	Total Voltage Drop	0.477 V
Remaining Amp % on Circuit	92.00%	Voltage Drop %	2.34%



1 FIRE ALARM RISER DIAGRAM
NO SCALE

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ARCHITECT | ENGINEER
DATE SIGNED: 07/13/2026
ERIC ISAIAH BRANDON BONG DOMO-TUMBAGA
No. E 017376
ELECTRICAL
STATE OF CALIFORNIA
07/10/2026

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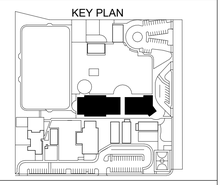

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OVERALL ELECTRICAL FIRE ALARM RISER AND CALCS - CLASSROOM

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2E2.2.7
Drawn Author ERIC, ISAIAH, BRANDON	Checker

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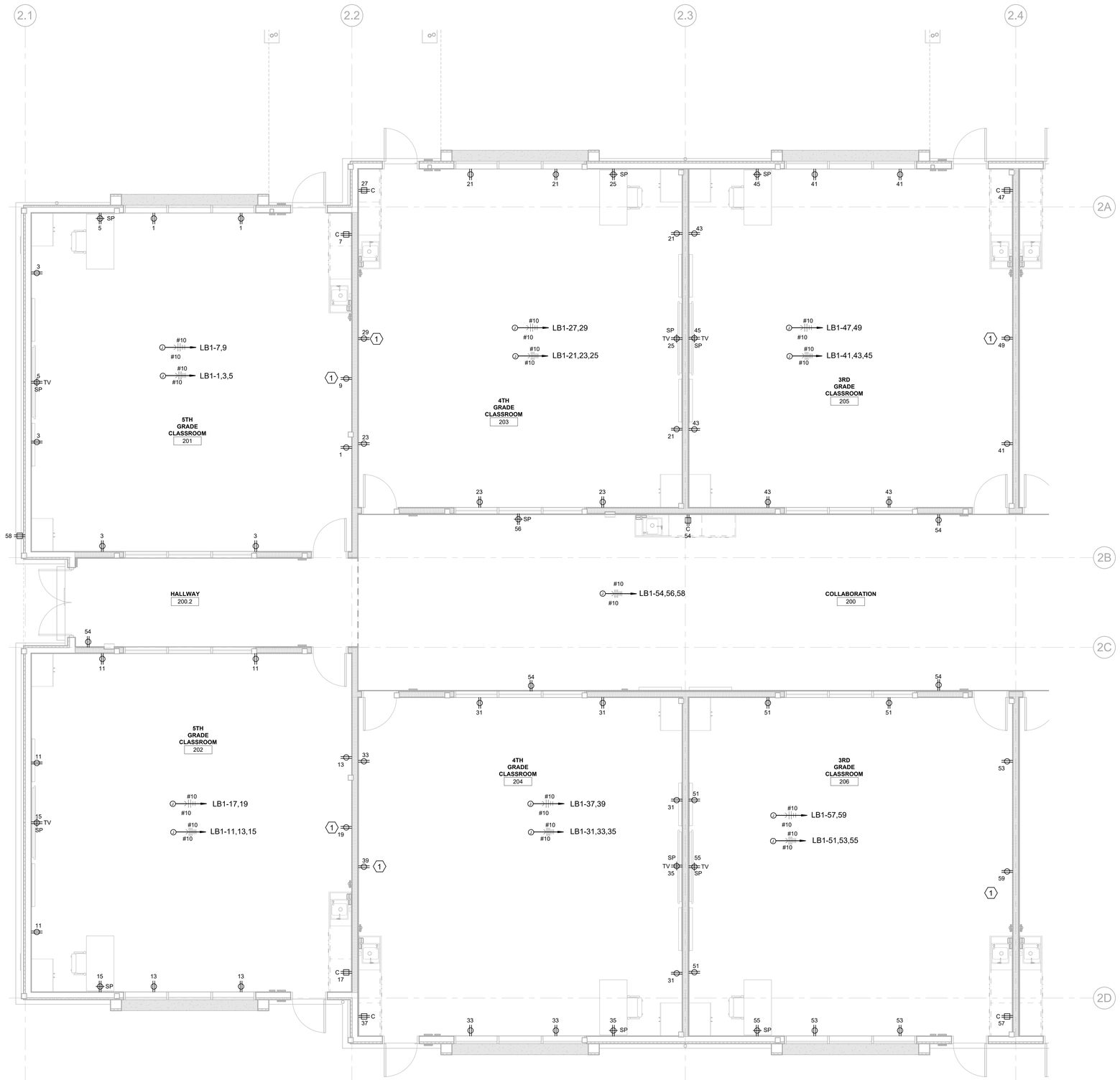

1 ENLARGED FLOOR PLAN - POWER - PHASE1.1 - CLASSROOM WEST
SCALE: 1/4" = 1'-0"

SHEET NOTES

1. REFER TO GENERAL NOTES ON SHEET 2E0.1 FOR ADDITIONAL CRITERIA.
2. FOR ALL HOME RUNS:
   A. PROVIDE CONDUIT, SIZE SHALL BE 1.00" UNLESS OTHERWISE NOTED, AND WIRE SIZE AS INDICATED ON PLANS.
3. FOR RECEPTACLE DEVICES WHERE BRANCH CIRCUIT WIRING IS NOT SHOWN:
   A. FOR NEMA 5-20R - PROVIDE 0.75" CONDUIT WITH (2) #12 & (1) #12 'G' TO EACH RECEPTACLE FROM JUNCTION BOX INDICATED IN ROOM, UNLESS OTHERWISE NOTED.
   B. NEMA TYPE RECEPTACLES OTHER THAN NEMA 5-20R - CONDUIT AND CONDUCTORS FROM JUNCTION BOX IN ROOM TO RECEPTACLE TO MATCH HOMERUNS CIRCUITS AS INDUCATED ON PLANS.
4. FOR HARDWIRED EQUIPMENT WITH NO CONDUIT OR CONDUCTORS INDICATED:
   A. PROVIDE CONDUIT AND CONDUCTORS FROM JUNCTION BOX IN ROOM TO EQUIPMENT TO MATCH HOMERUN CIRCUITS AS INDICATED ON PLANS. EQUIPMENT WITH DISCONNECT SHALL EXTEND THE SAME SIZE CONDUIT AND CONDUCTORS TO MATCH HOMERUN BETWEEN DISCONNECT AND EQUIPMENT.

NUMBERED NOTES

1	LOCATE FOR CHARGING CART.

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ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	PROFESSIONAL ENGINEER No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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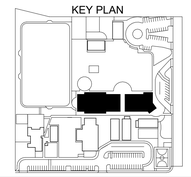

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ENLARGED POWER PLAN - CLASSROOM WEST

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2E2.2.8
Drawn Author ERIC, ISAIAH, BRANDON	Checker

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1 ENLARGED FLOOR PLAN - POWER - PHASE1.1 - CLASSROOM EAST
SCALE: 1/4" = 1'-0"

SHEET NOTES

1. REFER TO GENERAL NOTES ON SHEET 2E0.1 FOR ADDITIONAL CRITERIA.
2. FOR ALL HOME RUNS:
   A. PROVIDE CONDUIT, SIZE SHALL BE 1.00" UNLESS OTHERWISE NOTED, AND WIRE SIZE AS INDICATED ON PLANS.
3. FOR RECEPTACLE DEVICES WHERE BRANCH CIRCUIT WIRING IS NOT SHOWN:
   A. FOR NEMA 5-20R - PROVIDE 0.75" CONDUIT WITH (2) #12 & (1) #12 'G' TO EACH RECEPTACLE FROM JUNCTION BOX INDICATED IN ROOM, UNLESS OTHERWISE NOTED.
   B. NEMA TYPE RECEPTACLES OTHER THAN NEMA 5-20R - CONDUIT AND CONDUCTORS FROM JUNCTION BOX IN ROOM TO RECEPTACLE TO MATCH HOMERUNS CIRCUITS AS INDUCATED ON PLANS.
4. FOR HARDWIRED EQUIPMENT WITH NO CONDUIT OR CONDUCTORS INDICATED:
   A. PROVIDE CONDUIT AND CONDUCTORS FROM JUNCTION BOX IN ROOM TO EQUIPMENT TO MATCH HOMERUN CIRCUITS AS INDICATED ON PLANS. EQUIPMENT WITH DISCONNECT SHALL EXTEND THE SAME SIZE CONDUIT AND CONDUCTORS TO MATCH HOMERUN BETWEEN DISCONNECT AND EQUIPMENT.

NUMBERED NOTES

1	LOCATE FOR CHARGING CART.
2	FED FROM ODU-B1 LOCATED ON ROOF.
3	FED FROM ODU-B2 LOCATED ON ROOF.
4	CONDENSATE PUMP, 120V, 1.5A. FIELD COORDINATE LOCATION OF CONDENSATE PUMP, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL CRITERIA.
5	CONNECT BELL CIRCUIT VIA FIRE SPRINKLER RISER FLOW SWITCH.
6	FIRE SPRINKLER BELL - WHEELOCK 43T-G10-115-R.
7	CONNECT TO BE SWITCHED WITH LIGHT IN ROOM. REFER TO LIGHTING CONTROL DIAGRAM.

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Contact CHRIS

ARCHITECT	ENGINEER
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ENLARGED POWER PLAN - CLASSROOM EAST

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2E2.2.9
Drawn Author ERIC, ISAIAH, BRANDON	Checker

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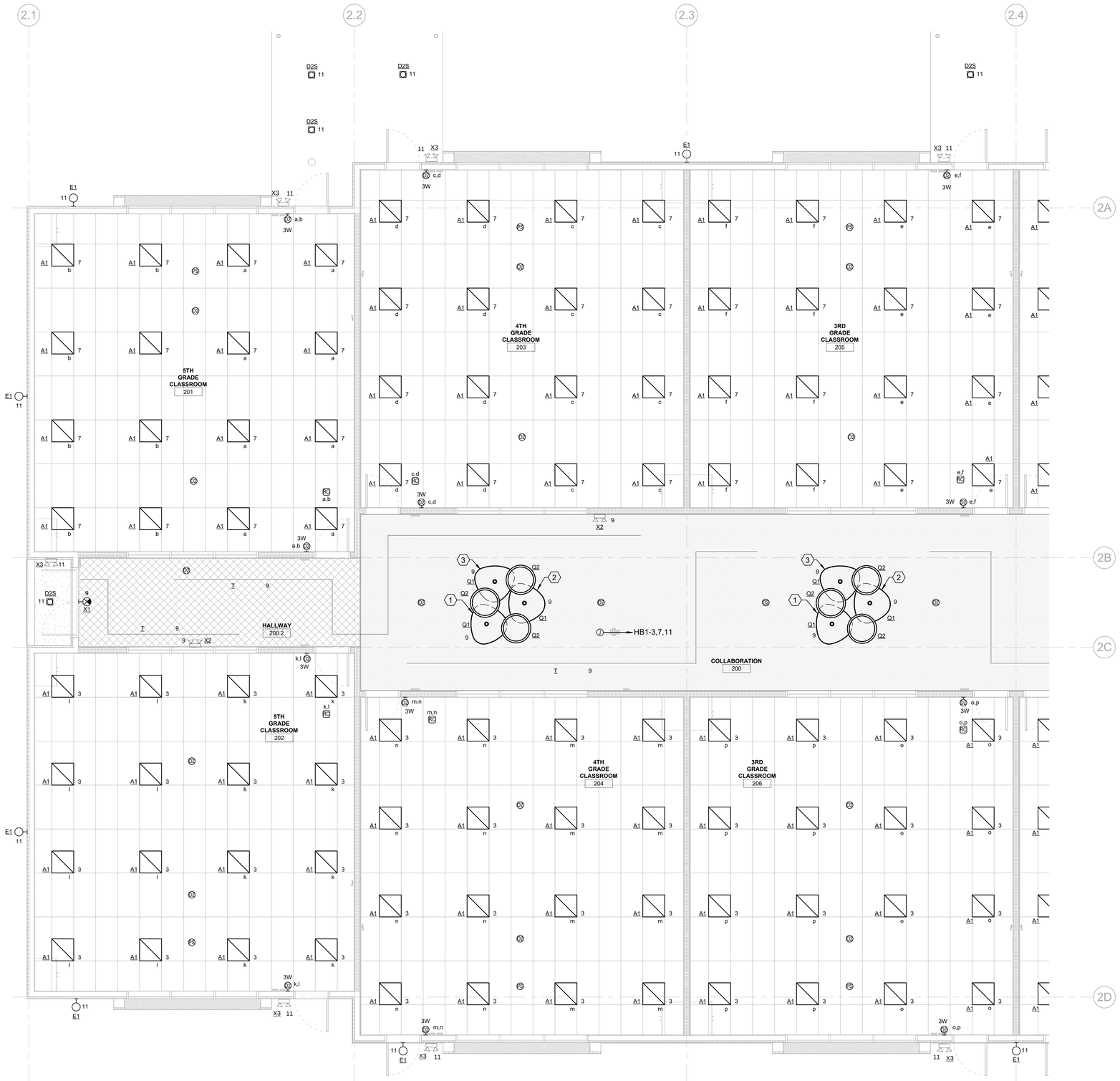

1 ENLARGED FLOOR PLAN - LIGHTING - PHASE1.1 - CLASSROOM WEST

SCALE: 1/4" = 1'-0"

SHEET NOTES

1. REFER TO GENERAL NOTES ON SHEET 2E0.1 FOR ADDITIONAL CRITERIA.
2. TYPICAL, ALL LIGHTING CONDCUTORS SHALL BE #10 AWG.
3. PROVIDE MINIMUM 0.75" CONDUIT WITH (2) #12 & (1) #12 'G' FROM JUNCTION BOX IN ROOM TO A JUNCTION BOX WITH A MAX 6' FLEX TO EACH LUMINAIRE.
4. SEE WIRING DIAGRAMS FOR ADDITIONAL WIRING REQUIREMENTS FOR LIGHTING CONTROLS. REFER TO SHEET 2E10.9.

NUMBERED NOTES

1	SUSPEND AT 2' FROM CEILING. REFER TO ARCHITECTURAL MODEL FOR EXACT ORIENTATION.
2	SUSPEND AT 1'-9" FROM CEILING. REFER TO ARCHITECTURAL MODEL FOR EXACT ORIENTATION.
3	SUSPEND AT 1'-6" FROM CEILING. REFER TO ARCHITECTURAL MODEL FOR EXACT ORIENTATION.

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ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	REGISTERED PROFESSIONAL ENGINEER ERIC YOUNG DOMINGUEZ No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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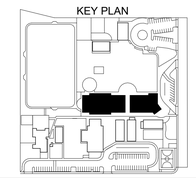

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ENLARGED LIGHTING PLAN - CLASSROOM WEST

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2E2.2.10
Drawn / Author: ERIC, ISAIAH, BRANDON	Checker

PRINT DATE: 07/10/2026 11:15:47 AM
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1 ENLARGED FLOOR PLAN - LIGHTING - PHASE1.1 - CLASSROOM EAST
SCALE: 1/4" = 1'-0"

SHEET NOTES

1. REFER TO GENERAL NOTES ON SHEET 2E0.1 FOR ADDITIONAL CRITERIA.
2. TYPICAL, ALL LIGHTING CONDCUTORS SHALL BE #10 AWG.
3. PROVIDE MINIMUM 0.75" CONDUIT WITH (2) #12 & (1) #12 'G' FROM JUNCTION BOX IN ROOM TO A JUNCTION BOX WITH A MAX 6' FLEX TO EACH LUMINAIRE.
4. SEE WIRING DIAGRAMS FOR ADDITIONAL WIRING REQUIREMENTS FOR LIGHTING CONTROLS. REFER TO SHEET 2E10.9.

NUMBERED NOTES

1	SUSPEND AT 2' FROM CEILING. REFER TO ARCHITECTURAL MODEL FOR EXACT ORIENTATION.
2	SUSPEND AT 1'-9" FROM CEILING. REFER TO ARCHITECTURAL MODEL FOR EXACT ORIENTATION.
3	SUSPEND AT 1'-6" FROM CEILING. REFER TO ARCHITECTURAL MODEL FOR EXACT ORIENTATION.
4	SUSPEND FIXTURES IN THIS ROOM FROM STRUCTURE ABOVE.

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

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Sacramento | Alameda | Irvine | Hawaii

Project Number M370
Contact CHRIS

ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	REGISTERED PROFESSIONAL ENGINEER ERIC S. WONG DUNN No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN

FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

ENLARGED LIGHTING PLAN - CLASSROOM EAST

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2E2.2.11
Drawn Author: ERIC, ISAIAH, BRANDON	Checker

PRINT DATE: 07/10/2026 11:15:50 AM
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SHEET NOTES

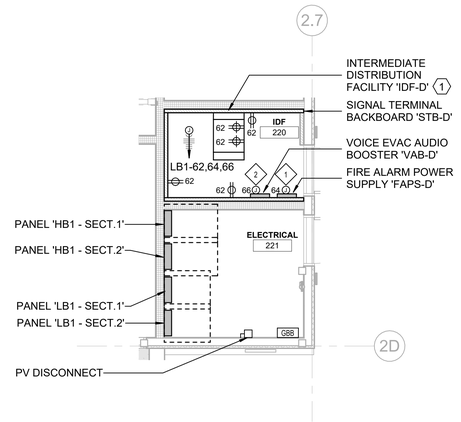
1. REFER TO GENERAL NOTES ON SHEET 2E0.1 FOR ADDITIONAL CRITERIA.
2. FOR ALL HOME RUNS:
   A. PROVIDE CONDUIT, SIZE SHALL BE 1.00" UNLESS OTHERWISE NOTED, AND WIRE SIZE AS INDICATED ON PLANS.
3. FOR RECEPTACLE DEVICES WHERE BRANCH CIRCUIT WIRING IS NOT SHOWN:
   A. FOR NEMA 5-20R - PROVIDE 0.75" CONDUIT WITH (2) #12 & (1) #12 'G' TO EACH RECEPTACLE FROM JUNCTION BOX INDICATED IN ROOM, UNLESS OTHERWISE NOTED.
   B. NEMA TYPE RECEPTACLES OTHER THAN NEMA 5-20R - CONDUIT AND CONDUCTORS FROM JUNCTION BOX IN ROOM TO RECEPTACLE TO MATCH HOMERUNS CIRCUITS AS INDUCATED ON PLANS.
4. FOR HARDWIRED EQUIPMENT WITH NO CONDUIT OR CONDUCTORS INDICATED:
   A. PROVIDE CONDUIT AND CONDUCTORS FROM JUNCTION BOX IN ROOM TO EQUIPMENT TO MATCH HOMERUN CIRCUITS AS INDICATED ON PLANS. EQUIPMENT WITH DISCONNECT SHALL EXTEND THE SAME SIZE CONDUIT AND CONDUCTORS TO MATCH HOMERUN BETWEEN DISCONNECT AND EQUIPMENT.

NUMBERED NOTES

1	PROVIDE RACK, WIRE MANAGEMENT, LADDER RACKS, GROUNDING/BONDING PER THE FCUSD DISTRICT STANDARDS.

EQUIPMENT LIST

1	FA POWER SUPPLY, 120V, 0.5KVA.
2	AUDIO BOOSTER, 120V, 0.5KVA.



1 ELECTRICAL FLOOR PLAN - POWER - ELECTRICAL & IDF - CLASSROOM
SCALE: 1/4" = 1'-0"

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Sacramento | Alameda | Irvine | Hawaii

ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	PROFESSIONAL ENGINEER CHRISTOPHER A. YOUNG No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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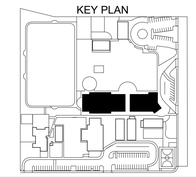
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

ENLARGED ELECTRICAL & IDF - CLASSROOM

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2E2.2.12
Drawn Author ERIC, ISAIAH, BRANDON	Checker

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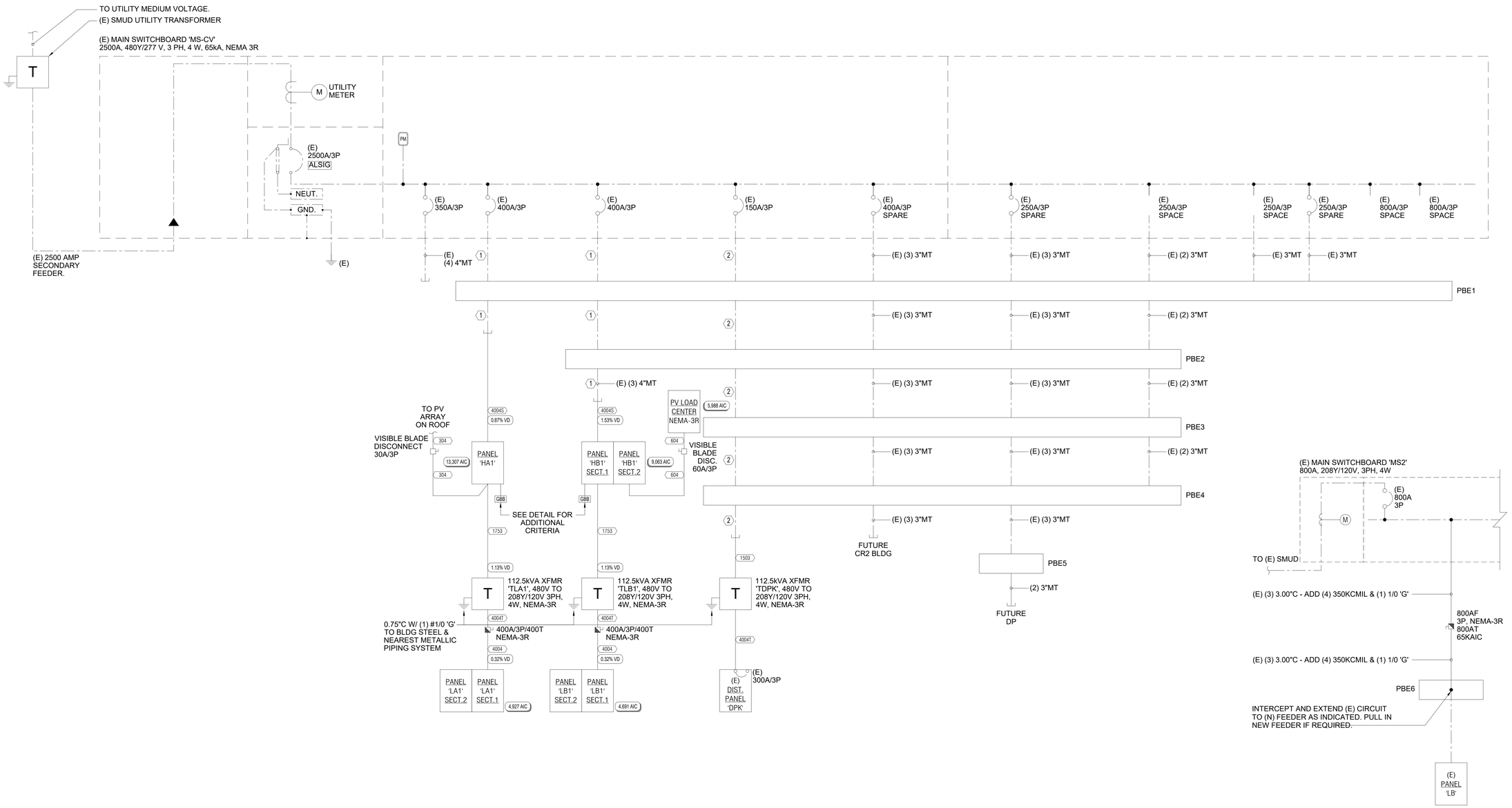

1 ONE LINE DIAGRAM - MS-CV
NO SCALE

2 ONE LINE DIAGRAM - MS2
NO SCALE

NUMBERED NOTES

1	UTILIZE (2) OF THE (3) (E) 3" MT CONDUITS. PULL IN NEW (4) #4/0 & (1) #2 COPPER CONDUCTORS IN EACH EXISTING CONDUIT.
2	UTILIZE (1) OF THE (2) (E) 2" MT CONDUITS. PULL IN NEW (3) #2/0 & (1) #6 COPPER CONDUCTORS IN EXISTING CONDUIT.

COPPER FEEDER SCHEDULE

FEEDER TAG	FEEDER DESCRIPTION	CONDUIT	CONDUCTORS		NOTES
			PHASE/NEUTRAL	GROUND	
304	30 AMP, 3 PHASE, 4 WIRE	(1) 0.75"	(4) #10 AWG	(1) #10 AWG	-
604	60 AMP, 3 PHASE, 4 WIRE	(1) 1.25"	(4) #4 AWG	(1) #10 AWG	-
1503	150 AMP, 3 PHASE, 3 WIRE	(1) 2.00"	(3) #2/0 AWG	(1) #6 AWG	(1) SPARE 2"C
4004T	400 AMP, 3 PHASE, 4 WIRE	(2) 2.50"	(2) SETS OF (4) #4/0 AWG	(1) #1/0 AWG PER SET	-
4004S	400 AMP, 3 PHASE, 4 WIRE	(2) 3.00"	(2) SETS OF (4) #4/0 AWG	(1) #2 AWG PER SET	(1) SPARE 3"C
4004	400 AMP, 3 PHASE, 4 WIRE	(2) 2.50"	(2) SETS OF (4) #4/0 AWG	(1) #2 AWG PER SET	-

FEEDER SCHEDULE GENERAL NOTES:

1. CONDUCTORS AND CONDUITS SHOWN IN THIS SCHEDULE ARE BASED ON COPPER CONDUCTORS INSULATION, REFER TO SPECIFICATIONS FOR INSULATION TYPE.
2. FEEDERS CONSISTING OF MULTIPLE SETS OF CONDUCTORS AND CONDUITS ARE TO BE PROVIDED WITH THE INDICATED SIZE GROUND CONDUCTOR IN EACH CONDUIT.

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ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	PROFESSIONAL ENGINEER No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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NO.	REMARKS	DATE

DRAWING STATUS

	DATE
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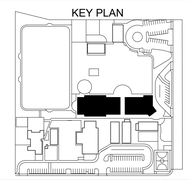
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

ONE-LINE DIAGRAM

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2E3.1
Drawn ERIC, ISAIAH, BRANDON	
Author Checker	

PRINT DATE: 07/10/2026 11:15:54 AM
FILE PATH: Autodesk Docs://25010 FCUSD Cordova Villa ES Mod/M370 - FCUSD Cordova Villa ES_RC3_ELECTRICAL.rvt

PANEL LA1

LOCATION:
SUPPLY FRM: TLA1, 277.00 V/480.00 V, Three Phase, 4...
MOUNTING: SURFACE
ENCLOSURE: Type 1

VOLTS: 120/208 Wye
PHASES: 3
WIRE: 4
SECTIONS: 1 OF 2

A.I.C. RATING: 10,000
MAINS TYPE: MLO
BUS RATING: 400.00 A

VD...	LOAD DESCRIPTION	AMP	POLE	CKT	A		B		C		CKT	POLE	AMP	LOAD DESCRIPTION	VD...
2.03	RM 131 RECEPT.	20	1	1	0.90	1.26					2	1	20	RM 125 RECEPT.	2.04
1.87	RM 131 RECEPT.	20	1	3			0.72	0.90			4	1	20	RM 125,126 RECEPT.	1.57
2.06	RM 131 RECEPT.	20	1	5					0.54	0.90	6	1	20	RM 124 RECEPT.	1.9
2.77	RM 132 RECEPT.	20	1	7	0.90	1.26					8	1	20	RM 128B RECEPT.	2.13
2.87	RM 120 RECEPT.	20	1	9			0.90	0.90			10	1	20	RM 128 RECEPT.	2.26
2.05	RM 118, 127 RECEPT.	20	1	11					0.72	0.90	12	1	20	RM 128 RECEPT.	2.4
2.46	RM 119 RECEPT.	20	1	13	0.90	1.26					14	1	20	RM 122 RECEPT.	2.95
2.27	RM 117,119 RECEPT.	20	1	15			0.90	0.72			16	1	20	RM 130 RECEPT.	1.95
1.18	RM 116 RECEPT.	20	1	17					0.54	0.54	18	1	20	RM 130 RECEPT.	1.61
2.01	RM 103 RECEPT.	20	1	19	1.26	0.18					20	1	20	RM 130 COPIER	0.5
1.1	RM 104, 114 RECEPT & COND. PUMP	20	1	21			0.54	0.72			22	1	20	RM 133 RECEPT.	2.26
2.16	RM 110 RECEPT.	20	1	23					1.08	0.54	24	1	20	RM 133 RECEPT.	1.88
0.28	RM 110 COPIER	20	1	25	0.18	0.18					26	1	20	RM 133 RECEPT.	0.6
0.79	HALLWAY 101 RECEPT.	20	1	27			0.36	0.18			28	1	20	RM 133 RECEPT.	0.6
1.91	HALLWAY 109 RECEPT.	20	1	29					0.54	0.18	30	1	20	RM 133 RECEPT.	0.61
1.05	HALLWAY 109 RECEPT.	20	1	31	0.36	0.18					32	1	20	RESTROOM 113 RECEPT.	0.15
1.08	HALLWAY 109 RECEPT.	20	1	33			0.54	0.50			34	1	20	MDF 114 FACP BATTERY CAB	0.96
2.66	DED. OUTSIDE RECEPT.	20	1	35					0.72	0.50	36	1	20	MDF 114 IACP	1.02
1.61	RM 102 RECEPT.	20	1	37	0.72	0.90					38	1	20	MDF 114 RECEPT.	1.85
1.97	RM 102 RECEPT.	20	1	39			0.90	1.08			40	1	20	MDF 114 RECEPT.	2.23
1.7	HALLWAY 101 RECEPT.	20	1	41					0.90	0.18	42	1	20	CONDENSATE PUMP	0.09
1.31	RM 105 RECEPT.	20	1	43	0.90	0.90					44	1	20	RM 100, 105, 107,108 - SHADE	1.42
1.06	RM 105 RECEPT.	20	1	45			0.72	0.00			46	1	20	SPARE	0
1.53	RM 108 RECEPT.	20	1	47					1.26	0.00	48	1	20	SPARE	0
1	RM 107 RECEPT.	20	1	49	1.08	0.00					50	1	20	SPARE	0
0.44	RM 106 RECEPT.	20	1	51			0.54	0.00			52	1	20	SPARE	0
0.11	RM 106 COPIER	20	1	53					0.18	0.00	54	1	20	SPARE	0
0.08	RM 134 RECEPT.	20	1	55	0.18	0.00					56	1	20	SPARE	0
1.1	RM 112 RECEPT.	20	1	57			0.90	0.00			58	1	20	SPARE	0
1.87	RM 111 RECEPT.	20	1	59					1.26	0.00	60	1	20	SPARE	0
1.5	RM 115 RECEPT.	20	1	61	0.90	--					62	1	--	SPACE	0
1.74	RM 121 RECEPT.	20	1	63			0.90	--			64	1	--	SPACE	0
1.58	RM 123 RECEPT.	20	1	65					0.90	--	66	1	--	SPACE	0
0	SPACE	--	1	67	--	--					68	1	--	SPACE	0
0	SPACE	--	1	69			--	--			70	1	--	SPACE	0
0	SPACE	--	1	71					--	--	72	1	--	SPACE	0
					A		B		C						
				TOTAL LOAD:	23.3 kVA		19.91 kVA		19.76 kVA						

LOAD SUMMARY:	CONNECTED LOAD	DEMAND LOAD	PANEL TOTALS
TOTAL CONTINUOUS LOAD @ 125%:	0.00 kVA	0.00 kVA	**TOTAL DEMAND KVA:** 48.99
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER:	41.34 kVA	25.67 kVA	**TOTAL DEMAND AMPS:** 135.98
TOTAL NONCONTINUOUS LOAD:	1.20 kVA	1.20 kVA	
TOTAL MOTOR LOAD (INCLUDES 25% OF LARGEST MOTOR LOAD):	20.42 kVA	22.12 kVA	

BREAKER NOTES: **CUSTOM NOTES:**

PANEL LA1

LOCATION:
SUPPLY FRM: LA1
MOUNTING: SURFACE
ENCLOSURE: Type 1

VOLTS: 120/208 Wye
PHASES: 3
WIRE: 4
SECTIONS: 2 OF 2

A.I.C. RATING: 10,000
MAINS TYPE: MLO
BUS RATING: 400.00 A

VD...	LOAD DESCRIPTION	AMP	POLE	CKT	A		B		C		CKT	POLE	AMP	LOAD DESCRIPTION	VD...
1.12	FC-A1,FC-A5,FC-A6,FC-A7	20	2	73	0.56	0.17					74	2	20	MCU-A1	0.2
				75			0.56	0.17			76				0
0.48	FC-A2	20	2	77					0.31	0.17	78	2	20	MCU-A2	0.2
				79	0.31	0.17					80				0
0.26	FC-A3	20	2	81			0.21	0.17			82	2	20	MCU-A3	0.07
				83					0.21	0.17	84				0
0.11	FC-A4	20	2	85	0.07	0.16					86	1	20	REF-A1	0.16
				87			0.07	0.16			88	1	15	CP-A1	0.42
0	SPARE	20	1	89					0.00	3.40	90	2	40	WH-A1	2.33
0	SPARE	20	1	91	0.00	3.40					92				0
0	SPARE	20	1	93			0.00	1.87			94	2	25	ODU-A2	1.48
0	SPARE	20	1	95					0.00	1.87	96				0
0.21	CONDENSATE PUMP RM 128	20	1	97	0.09	1.87					98	2	25	ODU-A1	1
0.26	CONDENSATE PUMP RM 132	20	1	99			0.09	1.87			100				0
0.23	FC-A8	20	2	101					0.12	0.02	102	1	15	CEF-A1	0.02
				103	0.12	0.02					104	1	15	CEF-A2	0.04
0.39	FC-A9,FC-10,FC-16,FC-17	20	2	105			0.28	0.02			106	1	15	CEF-A3	0.05
				107					0.28	0.02	108	1	15	CEF-A4	0.05
1.07	CONDENSATE PUMP RM 117-120	20	1	109	0.36	0.02					110	1	15	CEF-A5	0.03
0.74	CONDENSATE PUMP RM 121-124	20	1	111			0.36	0.54			112	1	20	ROOF RECEPTACLES	1.06
0.09	FC-A11	20	2	113					0.12	0.20	114	1	20	HALLWAY 109 FSD	0.52
				115	0.12	1.20					116	1	20	HALLWAY 101 WATER FOUNTAIN	2.22
0.05	FC-A12	20	2	117			0.07	0.00			118	1	20	SPARE	0
				119					0.07	0.00	120	1	20	SPARE	0
0.15	FC-A13	20	2	121	0.21	0.00					122	1	20	SPARE	0
				123			0.21	0.00			124	1	20	SPARE	0
0.04	FC-A14	20	2	125					0.07	0.00	126	1	20	SPARE	0
				127	0.07	0.00					128	1	20	SPARE	0
0.34	FC-A15	20	2	129			0.30	0.00			130	1	20	SPARE	0
				131					0.30	0.00	132	1	20	SPARE	0
0	SPARE	20	1	133	0.00	0.00					134	1	20	SPARE	0
0	SPARE	20	1	135			0.00	0.00			136	1	20	SPARE	0
0	SPARE	20	1	137					0.00	0.00	138	1	20	SPARE	0
0	SPARE	20	1	139	0.00	0.00					140	1	20	SPARE	0
0.07	FC-A18	20	2	141			0.07	0.00			142	1	20	SPARE	0
				143					0.07	0.00	144	1	20	SPARE	0
0	SPARE	20	1	145	0.00	0.00					146	1	20	SPARE	0
0	SPARE	20	1	147			0.00	0.00			148	1	20	SPARE	0
0	SPARE	20	1	149					0.00	0.00	150	1	20	SPARE	0
0	SPACE	--	1	151	--	--					152	1	--	SPACE	0
0	SPACE	--	1	153			--	--			154	1	--	SPACE	0
0	SPACE	--	1	155					--	--	156	1	--	SPACE	0
					A		B		C						
				TOTAL LOAD:	8.9 kVA		6.99 kVA		7.38 kVA						

LOAD SUMMARY:	CONNECTED LOAD	DEMAND LOAD	PANEL TOTALS
TOTAL CONTINUOUS LOAD @ 125%:	0.00 kVA	0.00 kVA	**TOTAL DEMAND KVA:** 24.96
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER:	2.64 kVA	2.64 kVA	**TOTAL DEMAND AMPS:** 69.28
TOTAL NONCONTINUOUS LOAD:	0.20 kVA	0.20 kVA	
TOTAL MOTOR LOAD (INCLUDES 25% OF LARGEST MOTOR LOAD):	20.42 kVA	22.12 kVA	

BREAKER NOTES: **CUSTOM NOTES:**

MAIN SWITCHBOARD MS-CV

LOCATION:
SUPPLY FRM:
MOUNTING:
ENCLOSURE:

VOLTS: 480/277 Wye
PHASES: 3
WIRE: 4

A.I.C. RATING: 65,000
MAINS TYPE: MCB
BUS RATING: 2500.00 A
MCB RATING: 2500.00 A

CKT	LOAD DESCRIPTION	POLES	FRAME	TRIP	LOAD	REMARKS
1	RM 134 ADMIN BUILDING PANEL HA1	3	250.00 A	225.00 A	269.45...	
2	RM 221 CLASSROOM BUILDING PANEL HB1	3	250.00 A	225.00 A	249.62...	
3	XFMR TDPK	3	250.00 A	175.00 A	0.00 kVA	
4	SPACE	3	--	--	--	
5	SPACE	3	--	--	--	
6	SPACE	3	--	--	--	
7	SPARE	3	400.00 A	400.00 A	0.00 kVA	
8	SPARE	3	400.00 A	400.00 A	0.00 kVA	
				TOTAL CONN. LOAD:	519.08...	
				TOTAL AMPS:	624.35 A	

LOAD SUMMARY:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
Continuous	145.76 kVA	125.00%	182.20 kVA	**TOTAL CONN. LOAD:** 519.08 kVA
Motor	293.18 kVA	101.93%	298.85 kVA	**TOTAL EST. DEMAND:** 527.30 kVA
Other	0.00 kVA	0.00%	0.00 kVA	**TOTAL CONN.:** 624.35 A
Non Continuous	1.21 kVA	100.00%	1.21 kVA	**TOTAL EST. DEMAND:** 634.24 A
Lighting	0.77 kVA	125.00%	0.96 kVA	
Receptacle	78.16 kVA	56.40%	44.08 kVA	

NOTES:

PANEL LB1

LOCATION:
SUPPLY FRM: TLB1, 277.00 V/480.00 V, Three Phase, 4...
MOUNTING: SURFACE
ENCLOSURE: Type 1

VOLTS: 120/208 Wye
PHASES: 3
WIRE: 4
SECTIONS: 1 OF 2

A.I.C. RATING: 10,000
MAINS TYPE: MCB
BUS RATING: 400.00 A
MCB RATING: 400.00 A

VD...	LOAD DESCRIPTION	AMP	POLE	CKT	A		B		C		CKT	POLE	AMP	LOAD DESCRIPTION	VD...
2.94	RM 201 RECEPT.	20	1	1	0.54	0.54					2	1	20	RM 208 RECEPT.	1.36
2.44	RM 201 RECEPT.	20	1	3			0.72	0.72			4	1	20	RM 208 RECEPT.	1.72
2.43	RM 201 RECEPT.	20	1	5					0.72	0.72	6	1	20	RM 208 RECEPT.	1.25
0.9	RM 201 RECEPT.	20	1	7	0.18	0.18					8	1	20	RM 208 RECEPT.	0.4
0.84	RM 201 DED. CHARGING CART...	20	1	9			0.18	0.18			10	1	20	RM 208 DED. CHARGING CART...	0.4
2.03	RM 202 RECEPT.	20	1	11					0.72	0.54	12	1	20	RM 209 RECEPT.	1.13
2.14	RM 202 RECEPT.	20	1	13	0.54	0.54					14	1	20	RM 209 RECEPT.	1.51
1.94	RM 202 RECEPT.	20	1	15			0.72	0.72			16	1	20	RM 209 RECEPT.	2.01
0.63	RM 202 RECEPT.	20	1	17					0.18	0.18	18	1	20	RM 209 RECEPT.	0.39
0.68	RM 202 DED. CHARGING CART...	20	1	19	0.18	0.36					20	1	20	RM 209, 210 RECEPT.	0.88
2.13	RM 203 RECEPT.	20	1	21			0.72	0.18			22	1	20	RM 209 DED. CHARGING CART...	0.3
1.99	RM 203 RECEPT.	20	1	23					0.72	0.54	24	1	20	RM 211 RECEPT.	1.02
2	RM 203 RECEPT.	20	1	25	0.72	0.54					26	1	20	RM 211 RECEPT.	0.99
0.91	RM 203 RECEPT.	20	1	27			0.18	0.72			28	1	20	RM 211 RECEPT.	1.23
0.86	RM 203 DED. CHARGING CART...	20	1	29					0.18	0.18	30	1	20	RM 211 RECEPT.	0.18
2.71	RM 204 RECEPT.	20	1	31	0.72	0.36					32	1	20	RM 211, 212 RECEPT.	0.35
2.1	RM 204 RECEPT.	20	1	33			0.54	0.18			34	1	20	RM 211 DED. CHARGING CART...	0.24
2.24	RM 204 RECEPT.	20	1	35					0.72	1.08	36	1	20	RM 213, 215 RECEPT.	2.15
0.65	RM 204 RECEPT.	20	1	37	0.18	1.08					38	1	20	RM 213 RECEPT.	2.15
0.66	RM 204 DED CHARGING CART...	20	1	39			0.18	0.9			40	1	20	RM 216, 217, 218 RECEPT.	1.81
2.25	RM 205 RECEPT.	20	1	41					0.54	0.72	42	1	20	RM 214 RECEPT.	0.84
1.88	RM 205 RECEPT.	20	1	43	0.72	0.9					44	1	20	RM 214 RECEPT.	1.14
1.87	RM 205 RECEPT.	20	1	45			0.72	0.72			46	1	20	RM 214 RECEPT.	0.61
0.67	RM 205 RECEPT.	20	1	47					0.18	0.9	48	1	20	RM 214 RECEPT.	0.89
0.61	RM 205 DED. CHARGING CART...	20	1	49	0.18	0.9					50	1	20	IDF, FIRE RISER RM 219, 220 RECEPT.	0.79
2.28	RM 206 RECEPT.	20	1	51			0.72	0.26			52	1	20	REF B1	0.78
1.45	RM 206 RECEPT.	20	1	53					0.54	1.26	54	1	20	HALLWAY RECEPT.	2.38
2.14	RM 206 RECEPT.	20	1	55	0.72	0.72					56	1	20	HALLWAY RECEPT.	2.92
0.4	RM 206 RECEPT.	20	1	57			0.18	0.54			58	1	20	DED. OUTSIDE RECEPT.	2.72
0.41	RM 206 DED. CHARGING CART...	20	1	59					0.18	0.9	60	1	20	ROOF RECEPT.	2.3
1.89	RM 207 RECEPT.	20	1	61	0.54	1.26					62	1	20	IDF 220 RACKS	0.85
2.28	RM 207 RECEPT.	20	1	63			0.72	0.5			64	1	20	IDF 220 FA POWER SUPPLY	0.3
2.31	RM 207 RECEPT.	20	1	65					0.72	0.5	66	1	20	IDF 220 AUDIO POWER SUPPLY	0.28
0.67	RM 207 RECEPT.	20	1	67	0.18	--					68	1	--	SPACE	0
0.62	RM 207 DED. CHARGING CART...	20	1	69			0.18	--			70	1	--	SPACE	0
0	SPACE	--	1	71					--	--	72	1	--	SPACE	0
					A		B		C						
				TOTAL LOAD:	16.73 kVA		13.81 kVA		15.35 kVA						

LOAD SUMMARY:	CONNECTED LOAD	DEMAND LOAD	PANEL TOTALS
TOTAL CONTINUOUS LOAD @ 125%:	0.00 kVA	0.00 kVA	**TOTAL DEMAND KVA:** 33.41
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER:	36.82 kVA	23.41 kVA	**TOTAL DEMAND AMPS:** 92.72
TOTAL NONCONTINUOUS LOAD:	0.01 kVA	0.01 kVA	
TOTAL MOTOR LOAD (INCLUDES 25% OF LARGEST MOTOR LOAD):	9.05 kVA	9.99 kVA	

BREAKER NOTES: **CUSTOM NOTES:**

PANEL LB1

LOCATION:
SUPPLY FRM: LB1
MOUNTING: SURFACE
ENCLOSURE: Type 1

VOLTS: 120/208 Wye
PHASES: 3
WIRE: 4
SECTIONS: 2 OF 2

A.I.C. RATING: 10,000
MAINS TYPE: MLO
BUS RATING: 400.00 A

VD...	LOAD DESCRIPTION	AMP	POLE	CKT	A		B		C		CKT	POLE	AMP	LOAD DESCRIPTION	VD...
2.45	ODU-B2	20	2	73	1.87	0.01					74	1	20	FIRE SPRINKLER BELL	0.01
				75			1.87	0.00			76	1	20	SPARE	0
2.59	ODU-B1	20	2	77					1.87	0.00	78	1	20	SPARE	0
				79	1.87	0.00					80	1	20	SPARE	0
0.13	FC B1	20	2	81			0.12	0.00			82	1	20	SPARE	0
				83					0.12	0.00	84	1	20	SPARE	0
0.02	CEF B1	20	1	85	0.02	0.00					86	1	20	SPARE	0
0.04	CEF B2	20	1	87			0.02	0.00			88	1	20	SPARE	0
0.05	CEF B3	20	1	89					0.02	0.00	90	1	20	SPARE	0
0.02	CEF B4	20	1	91	0.02	0.00					92	1	20	SPARE	0
0.66	HP-B1	20	2	93			0.42	0.00			94	1	20	SPARE	0
				95					0.42	0.00	96	1	20	SPARE	0
0.32	CP-B1	15	1	97	0.16	0.00					98	1	20	SPARE	0
0	SPARE	20	1	99			0.00	0.00			100	1	20	SPARE	0
0	SPARE	20	1	101					0.00	0.00	102	1	20	SPARE	0
0	SPARE	20	1	103	0.00	0.00					104	1	20	SPARE	0
0	SPARE	20	1	105			0.00	0.00			106	1	20	SPARE	0
0	SPARE	20	1	107					0.00	0.00	108	1	20	SPARE	0
0	SPACE	--	1	109	--	--					110	1	--	SPACE	0
0	SPACE	--	1	111			--	--			112	1	--	SPACE	0
0	SPACE	--	1	113					--	--	114	1	--	SPACE	0
					A		B		C						
				TOTAL LOAD:	3.95 kVA		2.43 kVA		2.43 kVA						

LOAD SUMMARY:	CONNECTED LOAD	DEMAND LOAD	PANEL TOTALS
TOTAL CONTINUOUS LOAD @ 125%:	0.00 kVA	0.00 kVA	**TOTAL DEMAND KVA:** 9.74
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER:	0.00 kVA	0.00 kVA	**TOTAL DEMAND AMPS:** 27.02
TOTAL NONCONTINUOUS LOAD:	0.01 kVA	0.01 kVA	
TOTAL MOTOR LOAD (INCLUDES 25% OF LARGEST MOTOR LOAD):	8.79 kVA	9.73 kVA	

BREAKER NOTES: **CUSTOM NOTES:**

PANEL HA1

LOCATION:
SUPPLY FRM: MS-CV
MOUNTING: SURFACE
ENCLOSURE: Type 1

VOLTS: 480/277 Wye
PHASES: 3
WIRE: 4
SECTIONS: 1 OF 1

A.I.C. RATING: 18,000
MAINS TYPE: MLO
BUS RATING: 400.00 A

VD...	LOAD DESCRIPTION	AMP	POLE	CKT	A		B		C		CKT	POLE	AMP	LOAD DESCRIPTION	VD...
2.15	LIGHTING RM 105-108,111-113,115,134	20	1	1	16.08	4.74					2				
0.99	LIGHTING RM 121-126,128-130,133	20	1	3			1.40	4.74			4	3	25	PHP-A1, A1PE	0.4
0.71	LIGHTING RM 101-104,109,110,114	20	1	5					0.98	4.74	6				
1.36	LIGHTING RM 116-120,127,132	20	1	7	1.50	7.20					8				
2.65	LIGHTING EXTERIOR	20	1	9			105.39	7.20			10	3	20	PHP-A2, A2PE	1.19
				11					1.67	7.20	12				
0.26	UH-1A	15	3	13	1.67	4.49					14				
				15			1.67	4.49			16	3	20	PHP-A3, A3PE	0.34
0	SPACE	--	1	17					--	4.49	18				
0	SPACE	--	1	19	--	1.39					20				
0	SPACE	--	1	21			--	1.39			22	3	20	ERV-A1	0.19
0	SPACE	--	1	23					--	1.39	24				
0	SPACE	--	1	25	--	7.56					26				
0	SPACE	--	1	27			--	7.56			28	3	40	HR-A1	0.52
0	SPACE	--	1	29					--	7.56	30				
0	SPACE	--	1	31	--	--					32	1	--	SPACE	0
0	SPACE	--	1	33			--	--			34	1	--	SPACE	0
0	SPACE	--	1	35					--	--	36	1	--	SPACE	0
				37	0.00	23.30					38				
0	SOLAR	30	3	39			0.00	19.91			40	3	175	TLA1	0.06
				41					0.00	19.76	42				
					A		B		C						
				TOTAL LOAD:	67.93 kVA		153.75 kVA		47.78 kVA						

LOAD SUMMARY:	CONNECTED LOAD	DEMAND LOAD	PANEL TOTALS
TOTAL CONTINUOUS LOAD @ 125%:	124.83 kVA	156.04 kVA	**TOTAL DEMAND KVA:** 290.8
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER:	41.34 kVA	25.67 kVA	**TOTAL DEMAND AMPS:** 349.77
TOTAL NONCONTINUOUS LOAD:	1.20 kVA	1.20 kVA	
TOTAL MOTOR LOAD (INCLUDES 25% OF LARGEST MOTOR LOAD):	101.56 kVA	107.23 kVA	

BREAKER NOTES: **CUSTOM NOTES:**

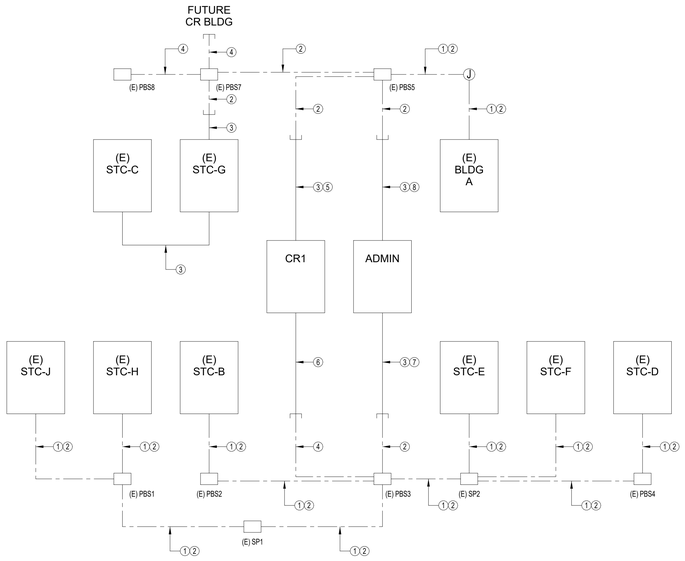
PANEL HB1

LOCATION:
SUPPLY FRM: MS-CV
MOUNTING: SURFACE
ENCLOSURE: Type 1

VOLTS: 480/277 Wye
PHASES: 3
WIRE: 4
SECTIONS: 1 OF 2

A.I.C. RATING: 18,000
MAINS TYPE: MCB
BUS RATING: 400.00 A
MCB RATING: 400.00 A

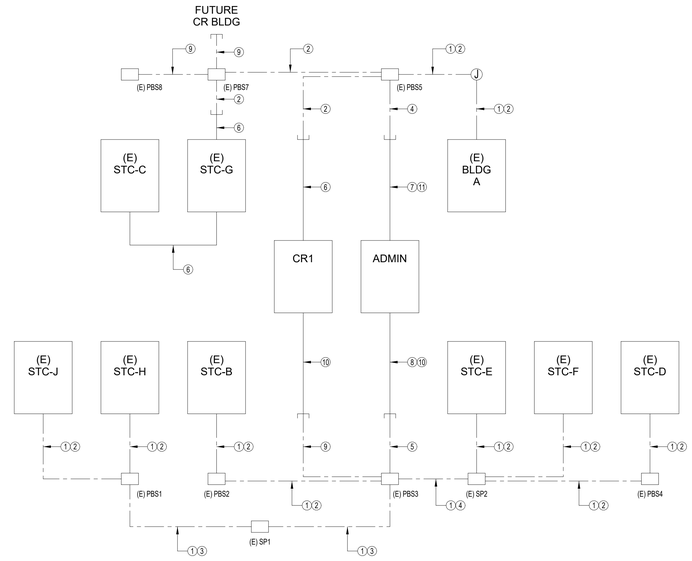
VD...	LOAD DESCRIPTION	AMP	POLE	CKT	A		B		C		CKT	POLE	AMP	LOAD DESCRIPTION	VD...
0.77	LIGHTING RM 208,211,212,214,218-221	20	1	1	1.47	2.6					2				
1.46	LIGHTING RM 202,204,206	20	1	3			1.44	2.6			4	3	20	WH-B1	0.47
1.17	LIGHTING RM 207,209,210,213,215-217	20	1	5					1.52	2.6	6				
1.75	LIGHTING RM 201,203,205	20	1	7	1.44	0					8				
0.08	LIGHTING RM 200, 200.1,200.2	20	1	9			0.07	0			10	3	20	PV LOAD CENTER	0
2.94	LIGHTING EXTERIOR	20	1	11					15.23	0	12				
0	SPARE	20	1	13	0	4.74					14				
0	SPARE	20	1	15			0	4.74			16	3	20	PHP-B1, B1PE	1.26
0	SPARE	20	1	17					0	4.74	18				
0	SPARE	--	1	19	--	4.74					20				
0	SPACE	--	1	21			--	4.74			22	3	20	PHP-B4, B4PE	1.9
0	SPACE	--	1	23					--	4.74	24				
0	SPACE	--	1	25	--	4.74					26				
0	SPACE	--	1	27			--	4.74			28	3	20	PHP-B11, B11PE	0.94
0	SPACE	--	1	29					-



1. REMOVE (E) CABLES.
2. PROVIDE PULLSTRING FOR OFOI FIBER.
3. 3" MT FOR OFOI FIBER.
4. (E) SPARE TO REMAIN.
5. 3" MT.
6. (2) 3" MT.
7. (3) 3" MT.
8. (4) 3" MT.

3 SITE DATA COMMUNICATIONS DIAGRAM

NO SCALE

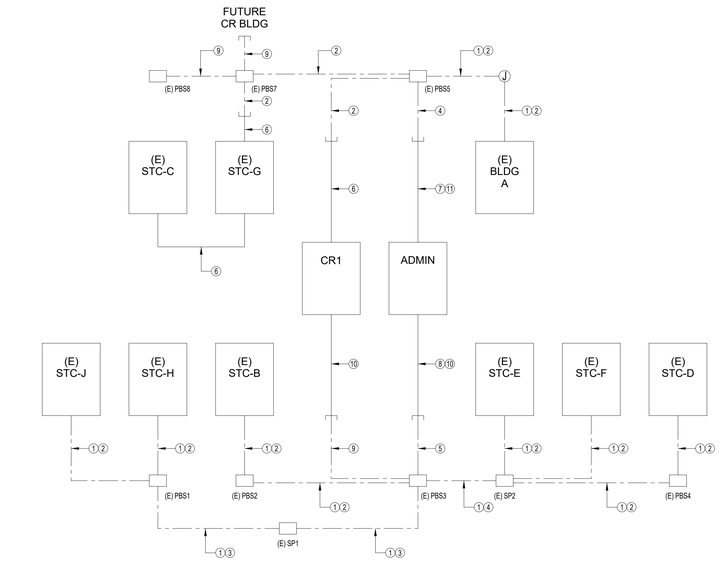


1. REMOVE (E) CABLES.
2. PROVIDE 1IX,1TX IN (E) CONDUIT.
3. PROVIDE 2IX,2TX IN (E) CONDUIT.
4. PROVIDE 3IX,3TX IN (E) CONDUIT.
5. PROVIDE 6IX,6TX IN (E) CONDUIT.
6. 3"C-1IX,1TX.
7. 3"C-3IX,3TX.
8. 3"C-6IX,6TX.
9. (E) SPARE TO REMAIN.
10. 3" MT.
11. (2) 3" MT.

NOTE: (E) FIRE ALARM DEVICES IN (E) BUILDINGS ARE COMPATIBLE WITH THE NEW FA CONTROL PANEL.

1 SITE FIRE ALARM DIAGRAM

NO SCALE



1. REMOVE (E) CABLES.
2. PROVIDE 1GX IN (E) CONDUIT.
3. PROVIDE 2GX IN (E) CONDUIT.
4. PROVIDE 3GX IN (E) CONDUIT.
5. PROVIDE 6GX IN (E) CONDUIT.
6. 3"C-1GX.
7. 3"C-3GX.
8. 3"C-6GX.
9. (E) SPARE TO REMAIN.
10. 3" MT.
11. (2) 3" MT.

2 SITE INTRUSION ALARM DIAGRAM

NO SCALE

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

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EDGE ELECTRICAL CONSULTING
Project Number M370
Contact CHRIS
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Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine | Hawaii

ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	REGISTERED PROFESSIONAL ENGINEER No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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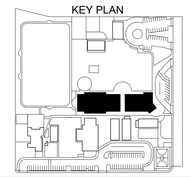
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

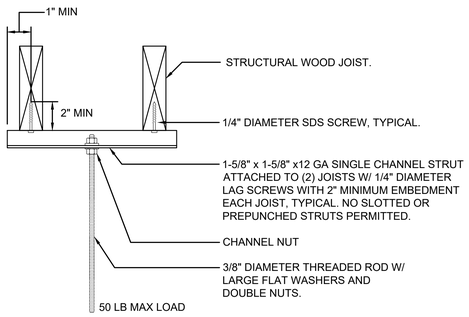
DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

SITE DIAGRAMS

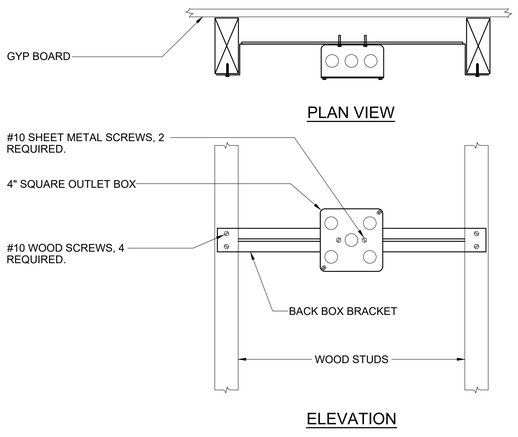
Date 07/13/2026
Project Number 25010.1
Application Number 02-123800
Drawing Number 2E3.3
Drawn Author ERIC, ISAIAH, BRANDON
Checker

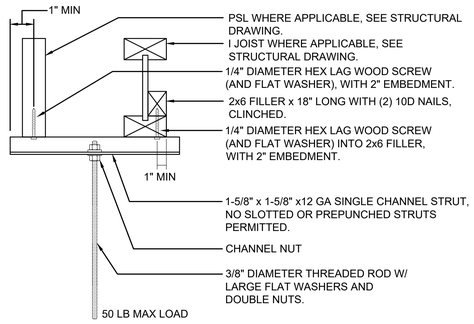
PRINT DATE: 07/10/2026 11:15:59 AM
FILE PATH: Autodesk Docs://25010 FCUSD Cordova Villa ES Mod/M370 - FCUSD Cordova Villa ES_R23_ELECTRICAL.rvt



6 THREADED ROD TO WOOD STRUCTURE DETAIL #1

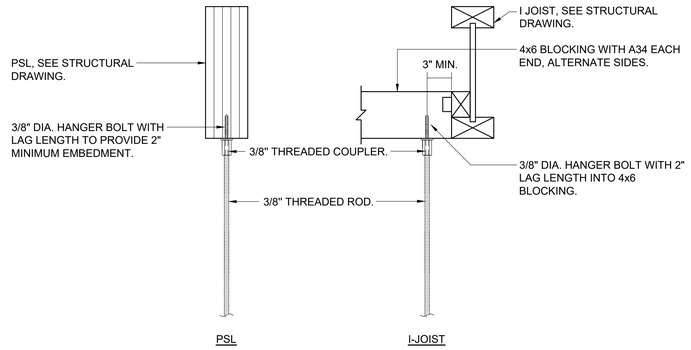
SCALE: NONE

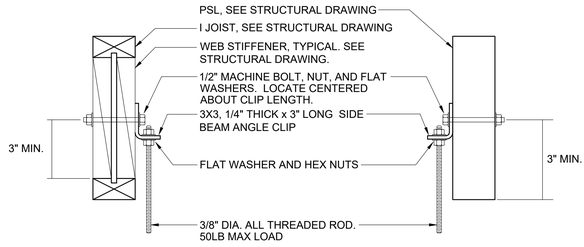




3 THREADED ROD TO WOOD STRUCTURE DETAIL #2

SCALE: NONE



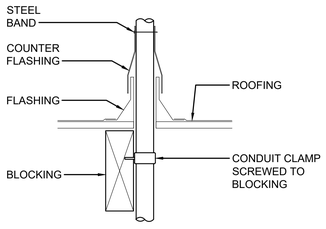


1 THREADED ROD TO WOOD STRUCTURE DETAIL #3

SCALE: NONE

7 BOX SUPPORT (BETWEEN STUDS)

SCALE: NONE



NOTE: WHERE RIGID CONDUIT TRANSITIONS TO FLEX, PROVIDE 90 DEGREE FLEX CONNECTOR AT THE END OF THE RIGID CONDUIT.

8 CONDUIT THROUGH ROOF DETAIL

NO SCALE

4 THREADED ROD TO WOOD STRUCTURE DETAIL #4

SCALE: NONE

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

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Sacramento | Alameda | Irvine | Hawaii

ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	PROFESSIONAL ENGINEER No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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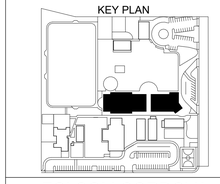
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

DETAILS

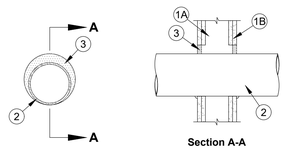
Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2E10.1
Drawn ERIC, ISAIAH, BRANDON	
Author Checker	

PRINT DATE: 07/10/2026 11:15:59 AM
FILE PATH: Autodesk Docs://25010 FCUSD Cordova Villa ES Mod/M370 - FCUSD Cordova Villa ES_R23_ELECTRICAL.rvt

Classified by
Underwriters Laboratories, Inc.
to ANSI/UL 1479 (ASTM E814) and CAN/ULC S115

System No. W-L-1049

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1 and 2 Hr (See Item 1)	F Ratings - 1 and 2 Hr (See Item 1)
T Rating - 0 Hr	FT Rating - 0 Hr
L Rating At Ambient - Less Than 1 CFM/sq ft	FH Ratings - 1 and 2 Hr (See Item 1)
L Rating At 400 F - Less Than 1 CFM/sq ft	FTH Rating - 0 Hr
	L Rating at Ambient - Less Than 5.1 L/S/m2
	L Rating at 204°C - Less Than 5.1 L/S/m2



Section A-A

1. **Wall Assembly -** The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, V300, U400, V400 or W400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs -** Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. (102 to 152 mm) wider and 4 to 6 in. (102 to 152 mm) higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. (51 to 76 mm) clearance is present between the penetrating item and the framing on all four sides.
   B. **Gypsum Board* -** 5/8 in. (16 mm) thick, 4 ft (1.22 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, V300, U400, V400 or W400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 38 in. (965 mm) for steel stud walls. Max diam of opening is 14-1/2 in. (368 mm) for wood stud walls.
   The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.

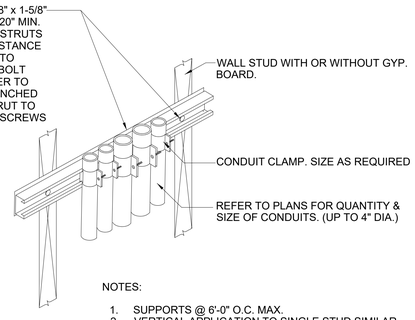
1A. **Metallic Sleeve -** (Optional, Not Shown) - Cylindrical sleeve fabricated from min 0.016 in. (0.41 mm) to max 0.105 in. (2.7 mm) thick sheet steel. Length of steel sleeve to be equal to the thickness of wall. Longitudinal seam of sleeve welded or overlapped min 1 in. (25 mm). The ends of the steel sleeve shall be flush or recessed max 1/4 in. (6 mm) from wall surfaces.

2. **Through Penetrant -** One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. Pipe, conduit or tubing may be installed at an angle not greater than 45 degrees from perpendicular. The annular space between pipe, conduit or tubing and periphery of opening shall be min 0 in. (0 mm, point contact) to max 2 in. (51 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
   A. **Steel Pipe -** Nom 36 in. (914 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. **Iron Pipe -** Nom 36 in. (914 mm) diam (or smaller) cast or ductile iron pipe.
   C. **Conduit -** Nom 6 in. (152 mm) diam (or smaller) rigid steel conduit, nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or nom 4 in. (102 mm) diam (or smaller) flexible steel conduit.
   D. **Copper Tubing -** Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.
   E. **Copper Pipe -** Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
   F. **Stainless Steel Pipe -** Nom 36 in. (914 mm) diam (or smaller) Schedule 10 (or heavier) stainless steel pipe.

2A. **Through Penetrating Product* - Flexible Metal Piping -** As an alternate to Item 2, one nom 2 in. (51 mm) diam (or smaller) steel flexible metal pipe to be installed either concentrically or eccentrically within the firestop system. The annular space between the pipe and the periphery of the opening shall be min 0 in. (point contact) to max 2 in. (51 mm). Pipe to be rigidly supported on both sides of the wall assembly.
OMEGA FLEX INC
GASTITE, DIV OF TITEFLEX
WARD MFG L L C

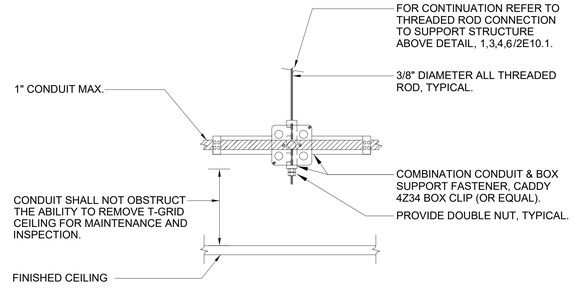
3. **Fill, Void or Cavity Material* - Sealant -** Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall. At point contact location between through penetrant and gypsum board, a min 3/8 in. (10 mm) diam bead of fill material shall be applied at the gypsum board/through penetrant interface on both surfaces of wall.
SPECIFIED TECHNOLOGIES INC - SpecSeal Series SSS Sealant or SpecSeal LCI Sealant

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



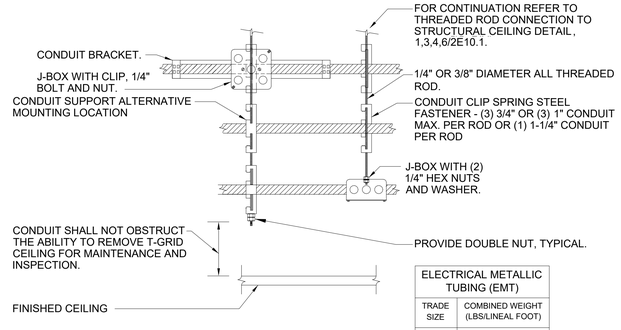
NOTES:
1. SUPPORTS @ 6'-0" O.C. MAX.
2. VERTICAL APPLICATION TO SINGLE STUD SIMILAR. STRUT TO BE 4" LONG MIN.

1 CONDUIT SUPPORT DETAIL
SCALE: NONE



NOTES:
1. WEIGHT: LESS THAN 5LBS/FT.
2. PLACEMENT OF HANGER SHALL NOT OBSTRUCT THE REMOVAL AND/OR INSTALLATION OF CEILING MATERIALS WHETHER FOR CONSTRUCTION OR MAINTENANCE.

2 SUSPENDED BOX AND CONDUIT SUPPORT FASTENER DETAIL
SCALE: NONE



ELECTRICAL METALLIC TUBING (EMT)	
TRADE SIZE	COMBINED WEIGHT (LBS/LINEAL FOOT)
3/4"	0.84
1"	1.30
1-1/4"	2.12

NOTES:
1. WEIGHT: LESS THAN 5LB/FT.
2. SPACING BETWEEN HANGERS SHALL BE PER CEC REQUIREMENTS. DO NOT EXCEED 3 FEET BETWEEN EACH RACEWAY TERMINATION AND MAXIMUM OF 10 FEET BETWEEN SUPPORTS.
3. PLACEMENT OF HANGER SHALL NOT OBSTRUCT THE REMOVAL AND/OR INSTALLATION OF CEILING MATERIALS WHETHER FOR CONSTRUCTION OR MAINTENANCE.

3 THREADED ROD CONDUIT SUPPORT DETAIL
SCALE: NONE

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DATE: 07/31/2026

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Project Number M370
Contact CHRIS
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916.256.2460
Sacramento | Alameda | Irvine | Hawaii

ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	REGISTERED PROFESSIONAL ENGINEER ERIC J. BOHNG No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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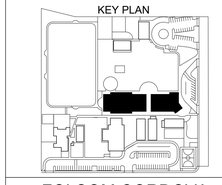
NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

DETAILS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2E10.2
Drawn ERIC, ISAIAH, BRANDON	
Author Checker	

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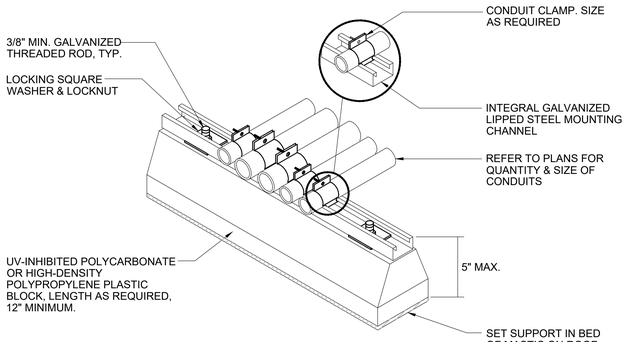
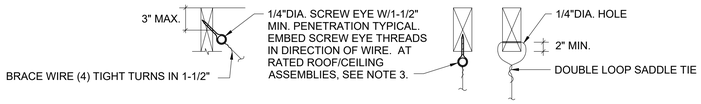


NOTES:

1. PROVIDE CONDUIT SUPPORT AT A MAXIMUM OF 5' APART.
2. PROVIDE ADDITIONAL SUPPORT WITHIN 2' OF CONDUIT BENDS.

3 ROOF CONDUIT SUPPORT DETAIL

SCALE: NONE

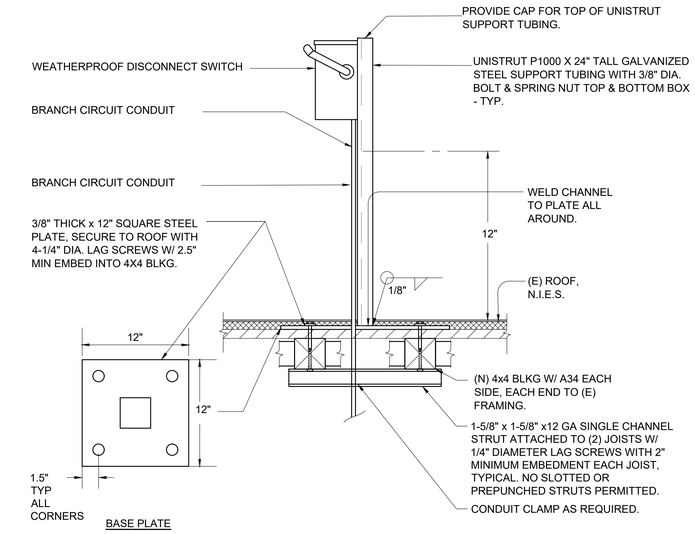


NOTES:

1. ATTACH BRACE WIRE TO ROOF OR FLOOR JOISTS (NOT CEILING JOISTS OR TRUSS BOTTOM CHORD).
2. SOLID BLOCKING REQUIRED FOR EITHER TYPE OF BRACING WIRE.
3. AT RATED ROOF/CEILING ASSEMBLIES, PROVIDE 1/4"DIA. X 3" SCREW EYE FOR PENETRATION THROUGH GYPSUM WALLBOARD FOR 1-1/2" MIN. PENETRATION AS DESCRIBED ABOVE.

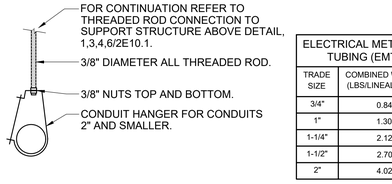
1 WIRE ATTACHMENT AT WOOD STRUCTURE

NO SCALE



2 ROOF MOUNTED DISCONNECT SWITCH

SCALE: NONE



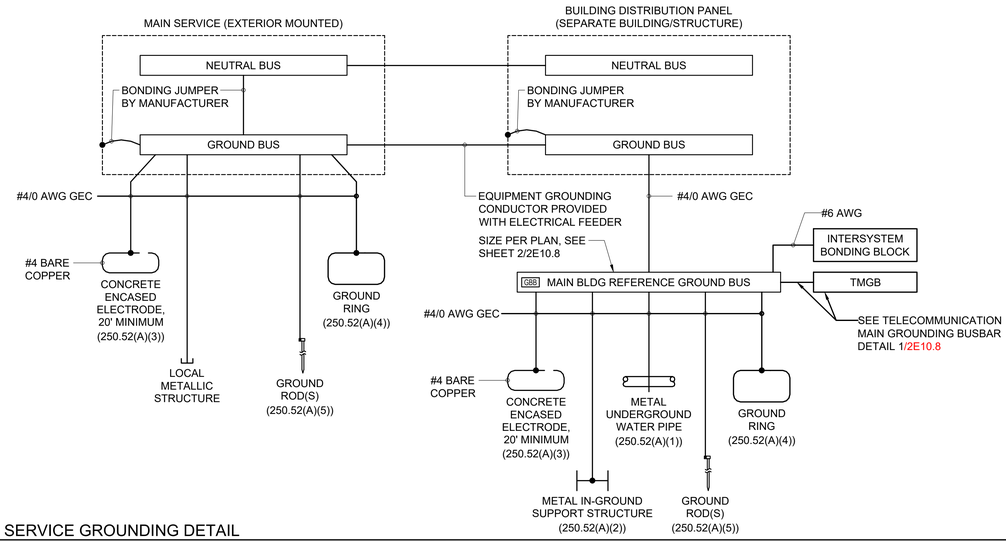
ELECTRICAL METALLIC TUBING (EMT)	
TRADE SIZE	COMBINED WEIGHT (LBS/LINEAL FOOT)
3/4"	0.84
1"	1.30
1-1/4"	2.12
1-1/2"	2.70
2"	4.02

NOTES:

1. SPACING BETWEEN HANGERS SHALL BE PER CEC REQUIREMENTS. DO NOT EXCEED 3 FEET BETWEEN EACH RACEWAY TERMINATION AND MAXIMUM OF 10 FEET BETWEEN SUPPORTS.
2. PLACEMENT OF HANGER SHALL NOT OBSTRUCT THE REMOVAL AND/OR INSTALLATION OF CEILING MATERIALS WHETHER FOR CONSTRUCTION OR MAINTENANCE.

4 CONDUIT SUPPORT DETAIL

SCALE: NONE



5 ELECTRICAL SERVICE GROUNDING DETAIL

SCALE: NONE

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EDGE ELECTRICAL CONSULTING
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ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	REGISTERED PROFESSIONAL ENGINEER ERIC S. BOONG DOMINGO No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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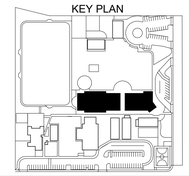
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
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RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

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MODERNIZATION INCREMENT 2
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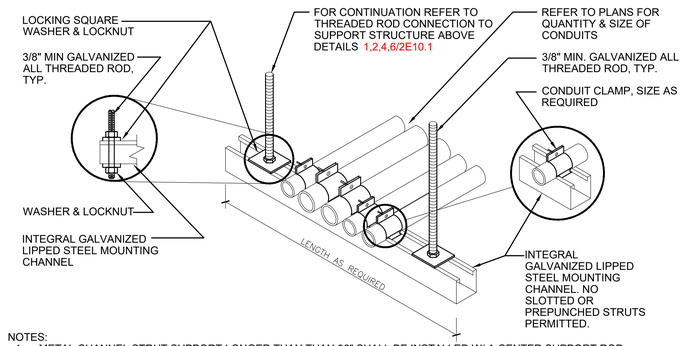
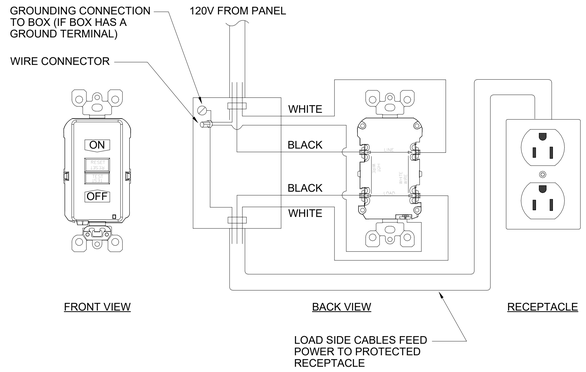
DETAILS

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2E10.3
Drawn Author ERIC, ISAIAH, BRANDON	Checker

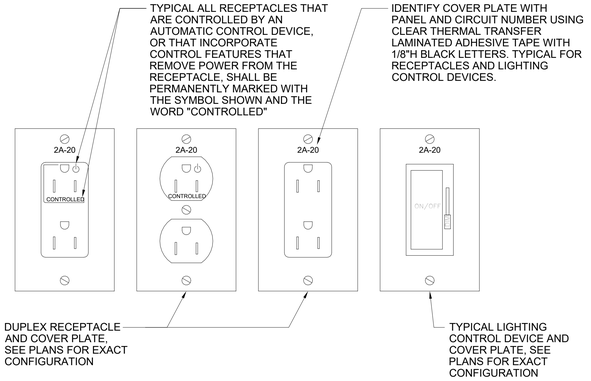


NOTES:
1. METAL CHANNEL STRUT SUPPORT LONGER THAN THAN 36" SHALL BE INSTALLED W/ A CENTER SUPPORT ROD.
2. THE TOTAL WEIGHT OF THE RACEWAY SUPPORT BY TRAPEZE ASSEMBLIES SHALL BE LESS THAN 100LB (10 LBS/FT AT 10'-0" MAXIMUM TRAPEZE SPACING) AND THE LENGTH FROM THE CONDUIT SUPPORT TO THE SUPPORTING STRUCTURE SHALL BE 12" OR LESS.
3. SPACING BETWEEN SUPPORTS SHALL BE 10' MAX.
4. PLACEMENT OF TRAPEZE SHALL NOT OBSTRUCT THE REMOVAL AND/OR INSTALLATION OF CEILING MATERIALS WHETHER FOR CONSTRUCTION OR MAINTENANCE.

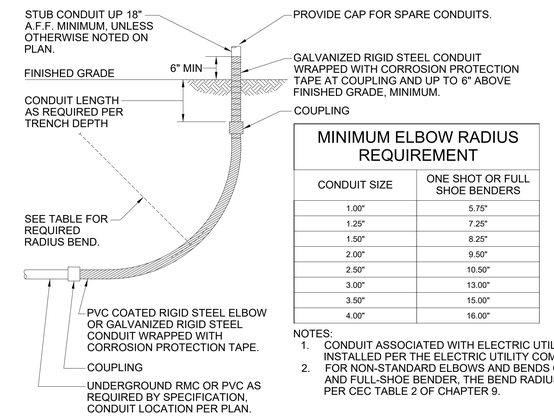
7 CONDUIT TRAPEZE MOUNTING DETAIL
SCALE: NONE



4 GFCI RECEPTACLE WITH REMOTE SWITCH WIRING DIAGRAM
SCALE: NONE



1 RECEPTACLE AND LIGHT SWITCH DESIGNATION DETAIL
SCALE: NONE



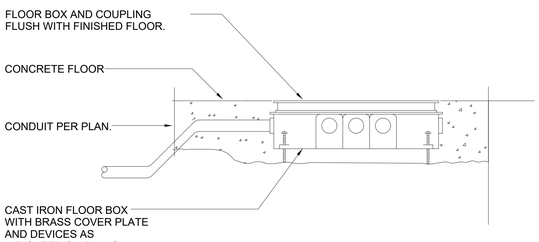
MINIMUM ELBOW RADIUS REQUIREMENT	
CONDUIT SIZE	ONE SHOT OR FULL SHOE BENDERS
1.00"	5.75"
1.25"	7.25"
1.50"	8.25"
2.00"	9.50"
2.50"	10.50"
3.00"	13.00"
3.50"	15.00"
4.00"	16.00"

NOTES:
1. CONDUIT ASSOCIATED WITH ELECTRIC UTILITY SHALL BE INSTALLED PER THE ELECTRIC UTILITY COMPANY REQUIREMENT.
2. FOR NON-STANDARD ELBOWS AND BENDS OTHER THAN ONE-SHOT AND FULL-SHOE BENDER, THE BEND RADIUS SHALL BE INSTALLED PER CEC TABLE 2 OF CHAPTER 9.

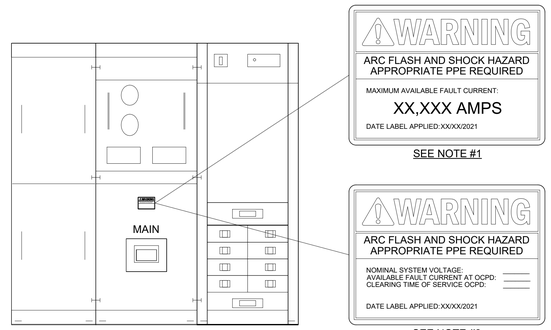
8 CONDUIT OUT OF SOIL OR CONCRETE
SCALE: NONE

NOTES:
1. REFER TO CEC SECTION 110.26 FOR ADDITIONAL INFORMATION ON ELECTRICAL WORKING SPACE, EQUIPMENT SPACE, EGRESS PATH, AND ILLUMINATION.

5 ELECTRICAL PANEL CLEARANCE DETAIL
SCALE: NONE

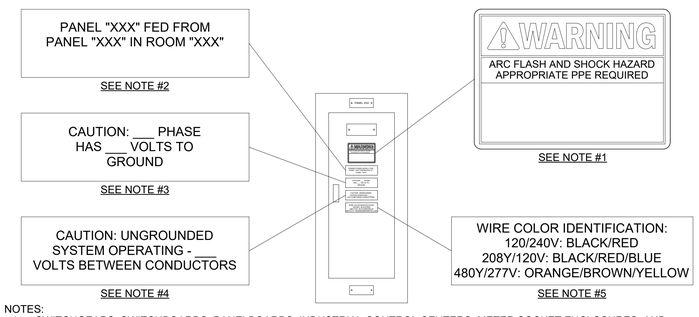


6 FLOOR JUNCTION BOX WITH RISER DETAIL
SCALE: NONE



NOTES:
1. SERVICE ENTRANCE EQUIPMENT RATED LESS THAN 1200A SHALL BE PROVIDED WITH A LABEL AS INDICATED PER CEC 110.24.
2. SERVICE ENTRANCE EQUIPMENT RATED 1200A OR MORE SHALL BE PROVIDED WITH A LABEL AS INDICATED PER CEC 110.16(B). WHERE THERE ARE NO MAIN CIRCUIT BREAKER, AS ALLOWED BY CEC 225.33, THE WARNING LABEL SHALL BE PROVIDED FOR EACH DISCONNECT. WHEN AN ARC ENERGY REDUCTION DEVICE IS INSTALLED PER CEC 240.67 AND/OR CEC 240.87, PROVIDE MULTIPLE WARNING LABELS WITH THE APPROPRIATE "CLEARING TIME" WHEN THE ENERGY REDUCTION DEVICE IS ACTIVE AND INACTIVE.
3. ALL LABELS SHALL BE PERMANENTLY AFFIXED TO THE EQUIPMENT AND HAVE SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT IT IS LOCATED IN.

2 SERVICE EQUIPMENT LABELING
SCALE: NONE



NOTES:
1. SWITCHGEARS, SWITCHBOARDS, PANELBOARDS, INDUSTRIAL CONTROL CENTERS, METER SOCKET ENCLOSURES, AND MOTOR CONTROL CENTERS SHALL BE PROVIDED WITH ARC FLASH HAZARDS WARNING PER CEC 110.16(A).
2. SWITCHGEARS, SWITCHBOARDS, AND PANELBOARDS SHALL HAVE A PERMANENT LABEL THAT IDENTIFY WHERE THE POWER ORIGINATES FROM AND LOCATION PER CEC 408.4(B).
3. SWITCHGEARS, SWITCHBOARDS, AND PANELBOARDS CONTAINING A 4-WIRE DELTA-CONNECTED SYSTEM WHERE THE MIDPOINT OF ONE PHASE WINDING IS GROUNDED SHALL HAVE A LABEL PER CEC 408.3(F)(1). IDENTIFY THE HIGH-LEG PHASE AND VOLTAGE TO GROUND ON LABEL. THE HIGH-LEG CONDUCTOR/BUSBAR SHALL BE MARKED WITH THE COLOR ORANGE PER CEC 110.15.
4. SWITCHGEARS, SWITCHBOARDS, AND PANELBOARDS CONTAINING AN UNGROUNDED AC ELECTRICAL SYSTEM SHALL HAVE A LABEL PER CEC 250.21(C) AND CEC 408.3(F)(2). IDENTIFY THE VOLTAGE ON LABEL.
5. SWITCHGEARS, SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, MOTOR CONTROL CENTERS, AND OTHER SIMILAR ELECTRICAL EQUIPMENT SHALL BE PROVIDED WITH A LABEL, AND PLACE AT A VISIBLE LOCATION ON THE ELECTRICAL EQUIPMENT, TO IDENTIFY ALL FEEDER AND BRANCH CIRCUIT CONDUCTORS. THE LABEL SHALL BE PER CEC 210.5(C)(1) AND IDENTIFY ALL UNGROUNDED CONDUCTOR, WITHIN THE EQUIPMENT, BY THE COLOR INDICATED IN ELECTRICAL SPECIFCATION SECTION 26 05 19. FOR EXISTING EQUIPMENT, COORDINATE WIRE COLOR WITH EXISTING FIELD CONDITION AND/OR FACILITY STANDARDS.
6. ALL LABELS SHALL BE PERMANENTLY AFFIXED TO THE EQUIPMENT AND HAVE SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT IT IS LOCATED IN.

3 ELECTRICAL DISTRIBUTION EQUIPMENT AND TRANSFORMER LABELING
SCALE: NONE

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Project Number M370
Contact CHRIS
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Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine | Hawaii

ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	PROFESSIONAL ENGINEER ERIC ISAIAH BRANDON No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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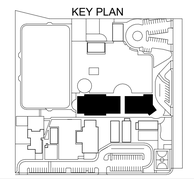
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

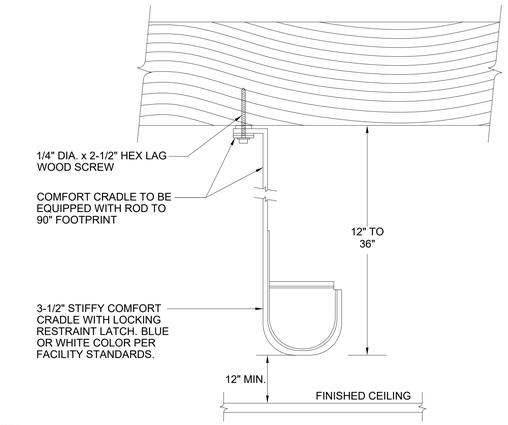
DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

DETAILS

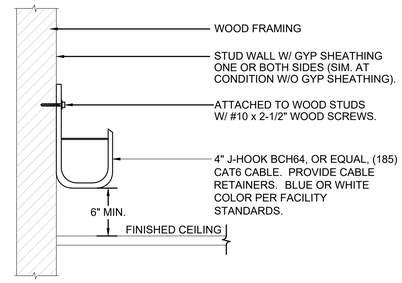
Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2E10.4
Drawn ERIC, ISAIAH, BRANDON	
Author Checker	

PRINT DATE: 07/10/2026 11:16:01 AM
FILE PATH: Autodesk Docs://25010 FCUSD Cordova Villa ES Mod/M370 - FCUSD Cordova Villa ES_R23_ELECTRICAL.rvt



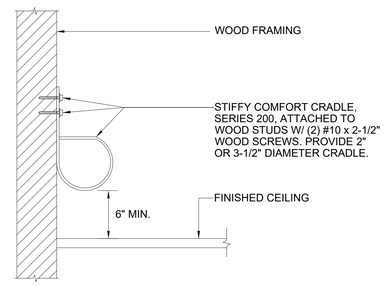
NOTES:
1. MAXIMUM TOTAL LOAD PER CRADLE IS 50LBS.
2. LEAVE MINIMUM 25% SPACE CAPACITY FOR FUTURE CABLE INSTALLATION.
3. STIFFY SUPPORTS SHALL BE SPACED AT 48", ON CENTER, MAX.
4. PLACEMENT OF STIFFY SHALL NOT OBSTRUCT THE REMOVAL AND/OR INSTALLATION OF CEILING MATERIALS WHETHER FOR CONSTRUCTION OR MAINTENANCE.

1 LOW VOLTAGE CABLE SUPPORT DETAIL - STIFFY TO WOOD STRUCTURE
SCALE: NONE



NOTES:
1. MAXIMUM TOTAL LOAD PER J-HOOK IS 20LBS. MAXIMUM TOTAL UNIFORM LOAD IS 5LBS PER LINEAL FOOT.
2. LEAVE MINIMUM 25% SPACE CAPACITY FOR FUTURE CABLE INSTALLATION.
3. J-HOOK SUPPORTS SHALL BE SPACED AT 48", ON CENTER, MAX.
4. CONTRACTOR TO DETERMINE EXACT QUANTITY OF LOOPS REQUIRED.
5. PLACEMENT OF J-HOOK SHALL NOT OBSTRUCT THE REMOVAL AND/OR INSTALLATION OF CEILING MATERIALS WHETHER FOR CONSTRUCTION OR MAINTENANCE.

2 LOW VOLTAGE CABLE SUPPORT DETAIL - SURFACE MOUNTED J-HOOK
SCALE: NONE



NOTES:
1. MAXIMUM TOTAL LOAD PER STIFFY IS 20LBS. MAXIMUM TOTAL UNIFORM LOAD IS 5LBS PER LINEAL FOOT.
2. LEAVE MINIMUM 25% SPACE CAPACITY FOR FUTURE CABLE INSTALLATION.
3. STIFFY SUPPORTS SHALL BE SPACED AT 48", ON CENTER, MAX.
4. CONTRACTOR TO DETERMINE EXACT QUANTITY AND SIZE OF LOOPS REQUIRED.
5. PLACEMENT OF STIFFY SHALL NOT OBSTRUCT THE REMOVAL AND/OR INSTALLATION OF CEILING MATERIALS WHETHER FOR CONSTRUCTION OR MAINTENANCE.

3 LOW VOLTAGE CABLE SUPPORT DETAIL - SURFACE MOUNTED STIFFY
SCALE: NONE

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DATE: 07/31/2026

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Project Number M370
Contact CHRIS

ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	REGISTERED PROFESSIONAL ENGINEER No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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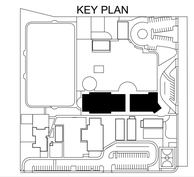

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1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

DETAILS

Date 07/13/2026
Project Number 25010.1
Application Number 02-123800
Drawing Number 2E10.5
Drawn Author ERIC, ISAIAH, BRANDON
Checker

PRINT DATE: 07/10/2026 11:16:01 AM
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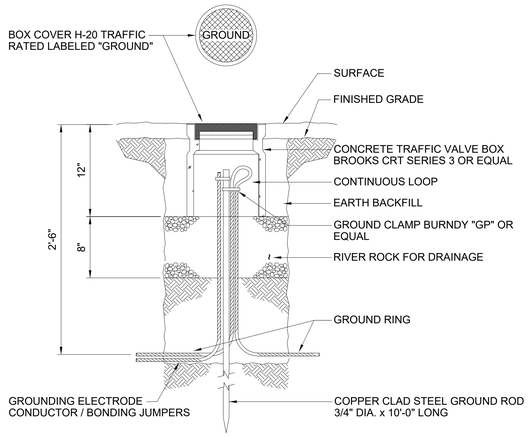
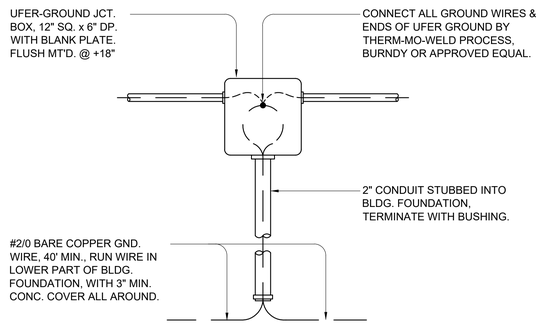


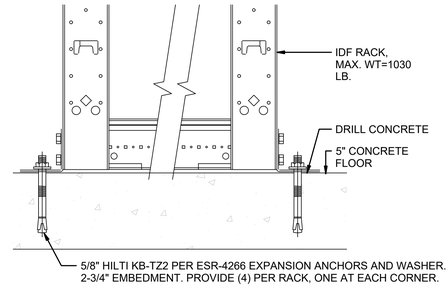
7 GROUND ROD INSPECTION WELL

SCALE: NONE



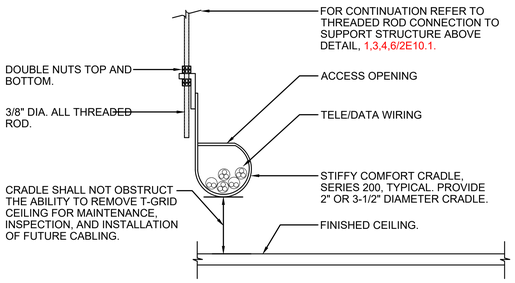
4 UFER GROUND DETAIL

SCALE: NONE



1 FLOOR MOUNT IDF RACK INSTALLATION DETAIL

SCALE: NONE

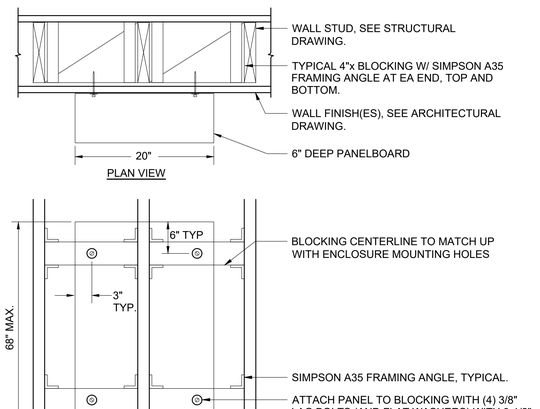


NOTES:

1. MAXIMUM TOTAL LOAD PER STIFFY IS 20LBS, MAXIMUM TOTAL UNIFORM LOAD IS 5LBS PER LINEAL FOOT.
2. LEAVE MINIMUM 25% SPACE CAPACITY FOR FUTURE CABLE INSTALLATION.
3. STIFFY SUPPORTS SHALL BE SPACED AT 48", ON CENTER, MAX.
4. PROVIDE A MINIMUM WORKING CLEARANCE OF 18" ON THE CABLE PLACEMENT SIDE OF THE CABLE SUPPORT.
5. PLACEMENT OF J-HOOK SHALL NOT OBSTRUCT THE REMOVAL AND/OR INSTALLATION OF CEILING MATERIALS WHETHER FOR CONSTRUCTION OR MAINTENANCE.

5 LOW VOLTAGE CABLE SUPPORT DETAIL - STIFFY

SCALE: NONE



NOTES:

1. USE FENDER WASHERS ON ALL SCREWS.
2. MAXIMUM PANEL WEIGHT, 300 LBS.

2 SURFACE MOUNTED PANEL AT WOOD STUD DETAIL

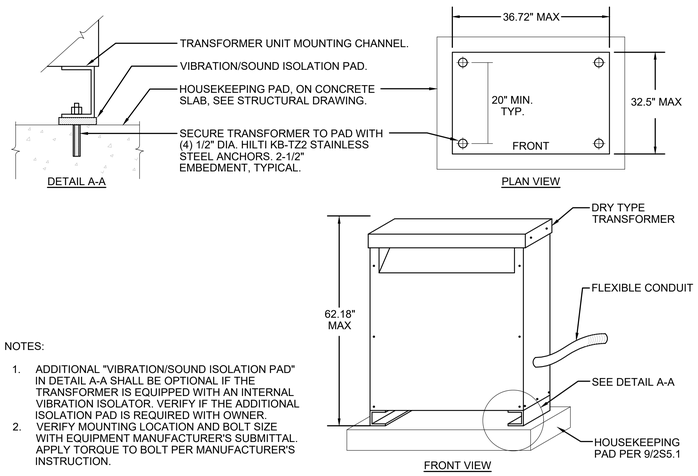
SCALE: NONE

NOTES:

1. MAXIMUM TOTAL LOAD PER J-HOOK IS 20LBS, MAXIMUM TOTAL UNIFORM LOAD IS 5LBS PER LINEAL FOOT.
2. LEAVE MINIMUM 25% SPACE CAPACITY FOR FUTURE CABLE INSTALLATION.
3. J-HOOK SUPPORTS SHALL BE SPACED AT 48", ON CENTER, MAX.
4. PLACEMENT OF J-HOOK SHALL NOT OBSTRUCT THE REMOVAL AND/OR INSTALLATION OF CEILING MATERIALS WHETHER FOR CONSTRUCTION OR MAINTENANCE.

6 LOW VOLTAGE CABLE SUPPORT DETAIL - J-HOOK

SCALE: NONE



NOTES:

1. ADDITIONAL "VIBRATION/SOUND ISOLATION PAD" IN DETAIL A-A SHALL BE OPTIONAL IF THE TRANSFORMER IS EQUIPPED WITH AN INTERNAL VIBRATION ISOLATOR. VERIFY IF THE ADDITIONAL ISOLATION PAD IS REQUIRED WITH OWNER.
2. VERIFY MOUNTING LOCATION AND BOLT SIZE WITH EQUIPMENT MANUFACTURER'S SUBMITTAL. APPLY TORQUE TO BOLT PER MANUFACTURER'S INSTRUCTION.

3 DISTRIBUTION TRANSFORMER MOUNTING DETAIL

SCALE: NONE

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ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	PROFESSIONAL ENGINEER ERIC S. WONG, DOMINGUEZ No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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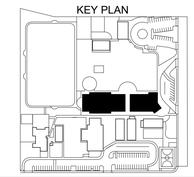
KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
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RANCHO CORDOVA, CA 95742

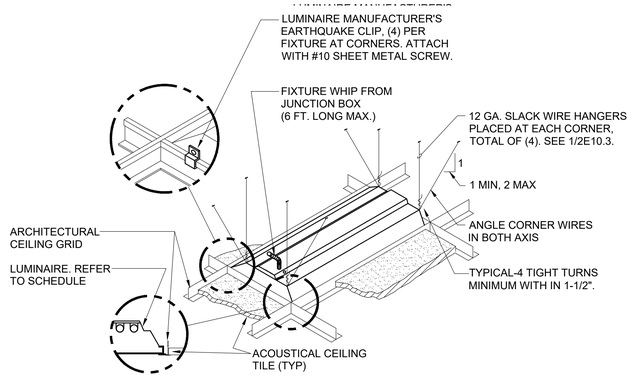
DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

DETAILS

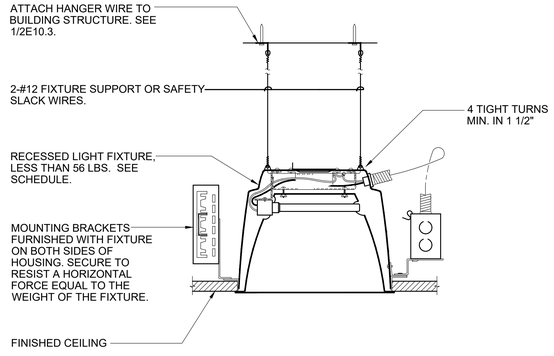
Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2E10.6
Drawn / Author: ERIC, ISAIAH, BRANDON	Checker

PRINT DATE: 07/10/2026 11:16:01 AM
FILE PATH: Autodesk Docs://25010 FCUSD Cordova Villa ES Mod/M370 - FCUSD Cordova Villa ES_RC3_ELECTRICAL.rvt

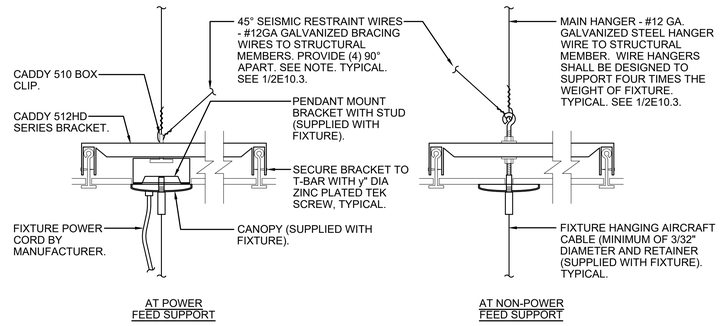


NOTE:
1. FOR INSTALLATION WHEN LUMINAIRE WEIGHT IS MORE THAN 56LBS OR WHEN SEISMIC BRACING IS REQUIRED.

4 LIGHT FIXTURE MOUNTING DETAIL - LAY-IN CEILING W/ SEISMIC BRACING
SCALE: NONE

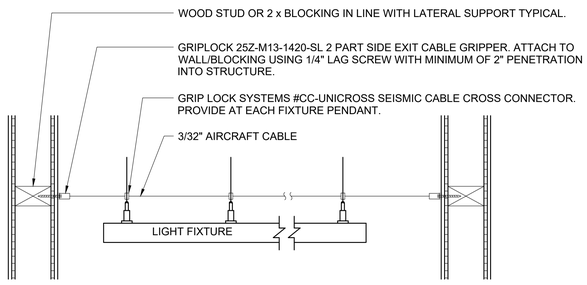


5 RECESSED DOWNLIGHT MOUNTING DETAIL
SCALE: NONE



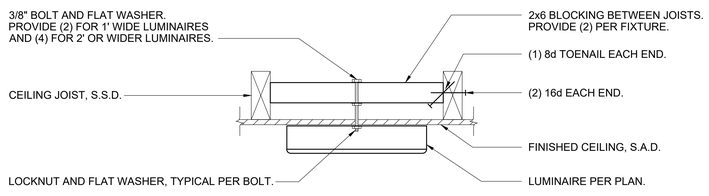
NOTE:
1. IF FIXTURE IS DIRECTLY AND INDEPENDENTLY BRACED BELOW THE CEILING, I.E. AIRCRAFT CABLES TO WALLS, THEN BRACE ASSEMBLY IS NOT REQUIRED ABOVE CEILING.
2. FIXTURE WEIGHT = 15 LBS MAX.

2 SUSPENDED FIXTURE SUPPORT (AT T-BAR CEILING) - CADDY
SCALE: NONE



NOTES:
1. RESTRAINT SHALL PREVENT FIXTURE CONTACTING OBSTRUCTIONS DURING REQUIRED 45° SWAY PER STATE BUILDING CODE TITLE 24 PART 2 C.C.R. COORDINATE ALL WORK WITH OTHER TRADES. NOTIFY ARCHITECT IN CASE OF CONFLICT.
2. DIFFERENT INSTALLATIONS MAY BE REQUIRED DUE TO BUILDING MATERIALS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING INSTALLATION THAT FITS EACH CONDITION USING AIRCRAFT CABLE AS REQUIRED.
3. PROVIDE LATERAL RESTRAINT AS SHOWN ABOVE FOR ALL ROOMS AND AREAS WHERE FIXTURES CANNOT MEET NOTE 1.

8 SUSPENDED LUMINAIRE SEISMIC RESTRAINT @ WOOD STUDS
NO SCALE



MAX WEIGHT: 40 LBS

6 TYPICAL SURFACE MOUNTED FIXTURE
NO SCALE

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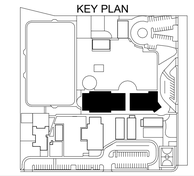

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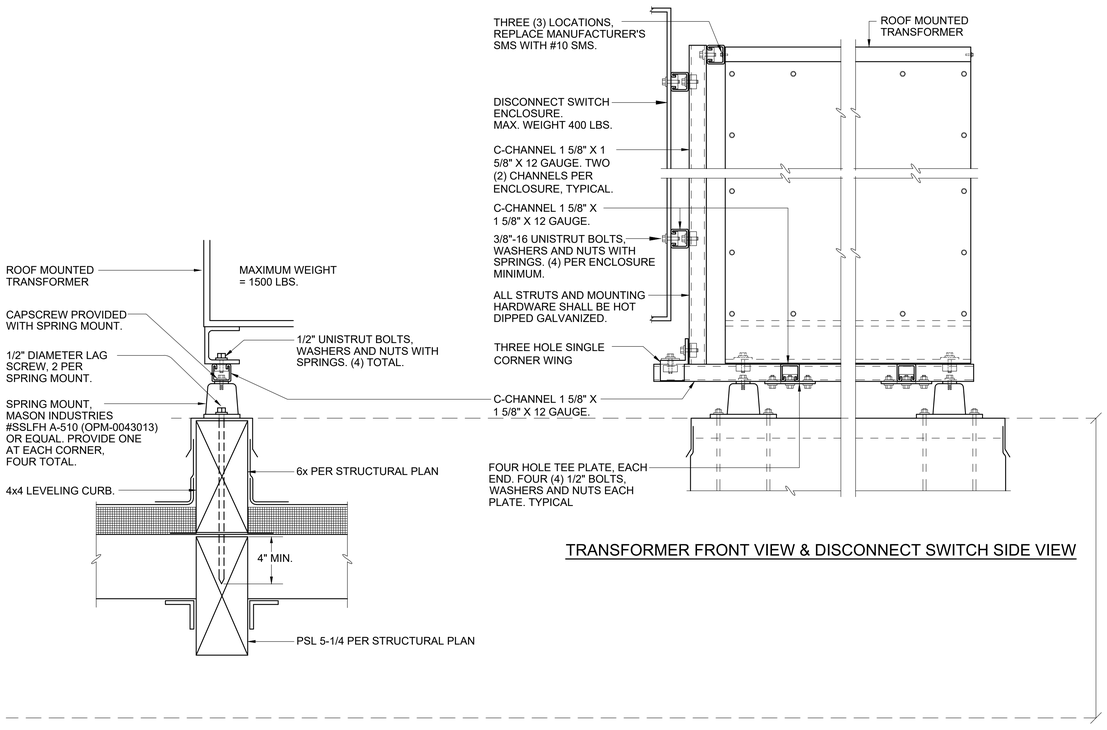
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

DETAILS

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2E10.7
Drawn Author ERIC, ISAIAH, BRANDON	Checker

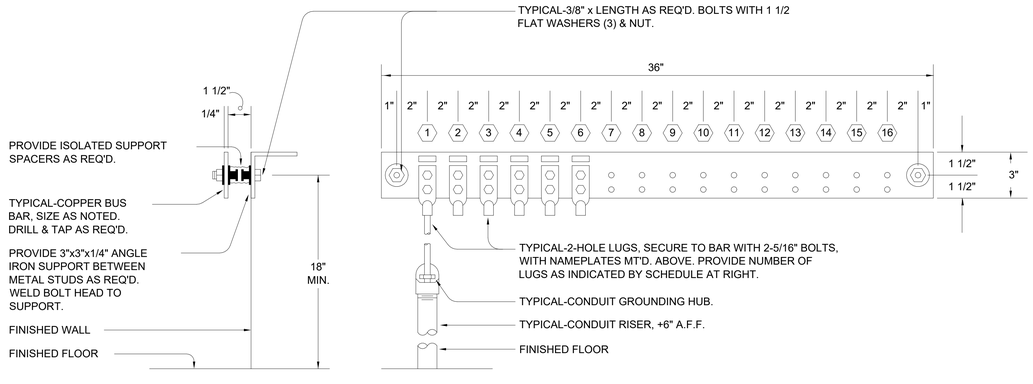


TRANSFORMER FRONT VIEW & DISCONNECT SWITCH SIDE VIEW

TRANSFORMER SIDE VIEW

2 ROOF MOUNTED TRANSFORMER

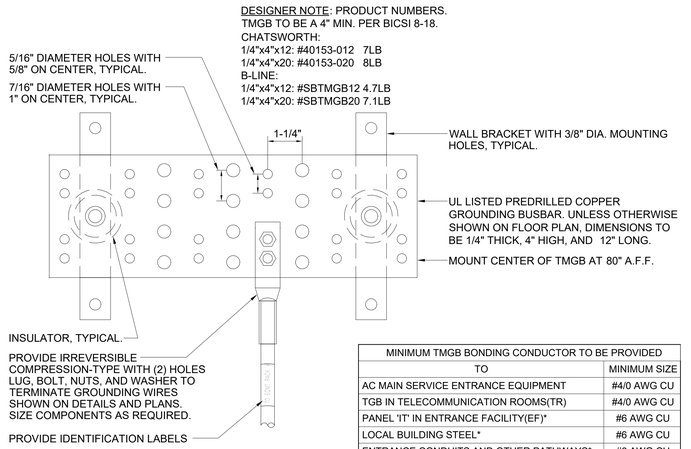
SCALE: NONE



END VIEW

3 GROUND BAR

SCALE: NONE



NOTES:

1. BOND EACH OVERHEAD CABLE SUPPORT SECTIONS TOGETHER WITH #6, MINIMUM, GROUND BONDING STRAPS.

MINIMUM TMGB BONDING CONDUCTOR TO BE PROVIDED	
TO	MINIMUM SIZE
AC MAIN SERVICE ENTRANCE EQUIPMENT	#4/0 AWG CU
TGB IN TELECOMMUNICATION ROOMS(TR)	#4/0 AWG CU
PANEL 'IT' IN ENTRANCE FACILITY(EF)*	#6 AWG CU
LOCAL BUILDING STEEL*	#6 AWG CU
ENTRANCE CONDUITS AND OTHER PATHWAYS*	#6 AWG CU
OVERHEAD CABLE SUPPORT*	#6 AWG CU
EACH EQUIPMENT RACK*	#6 AWG CU
*LOCATIONS TO BE LESS THAN 100' FROM TMGB	

1 GROUND BAR

SCALE: NONE

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APP: 02-123800 INC: 02
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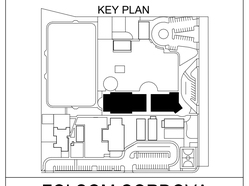

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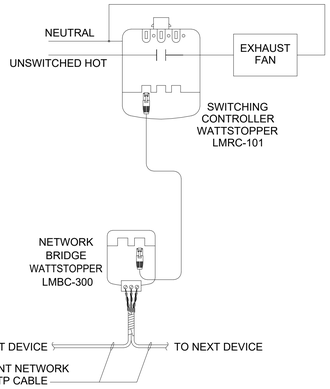
CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

DETAILS

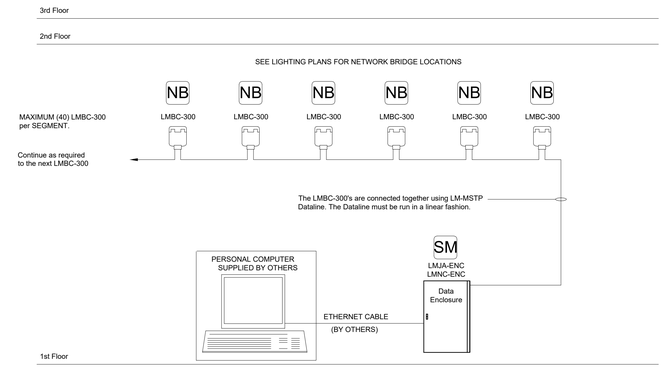
Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2E10.8
Drawn ERIC, ISAIAH, BRANDON	
Author Checker	

PRINT DATE: 07/10/2026 11:16:02 AM
FILE PATH: Autodesk Docs://25010 FCUSD Cordova Villa ES Mod\M370 - FCUSD Cordova Villa ES, R23, ELECTRICAL.rvt



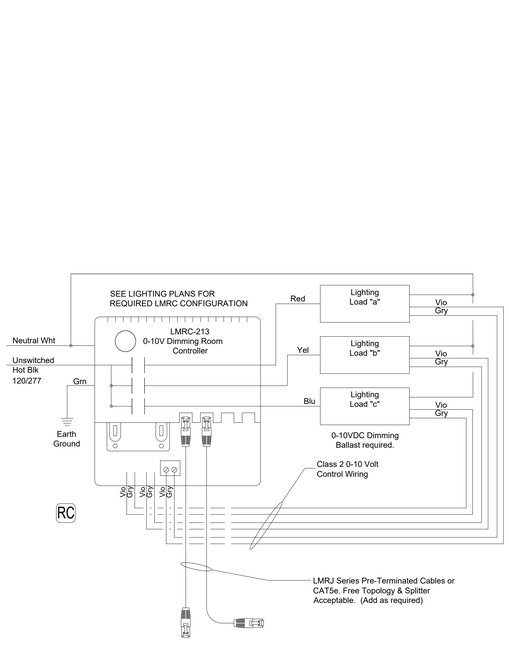
3 TYPICAL WATTSTOPPER DLM LIGHTING/EF WIRING DIAGRAM

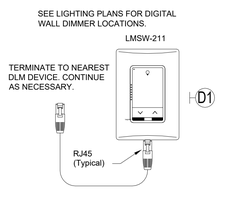
SCALE: NONE

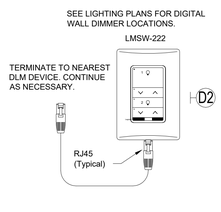


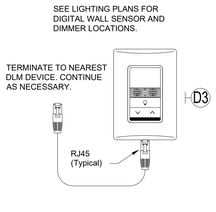
1 TYPICAL WATTSTOPPER DLM NETWORK BRIDGE WIRING DIAGRAM

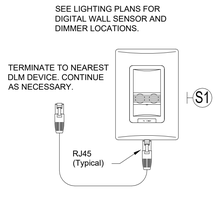
SCALE: NONE

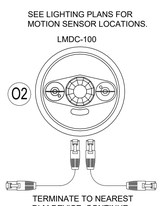


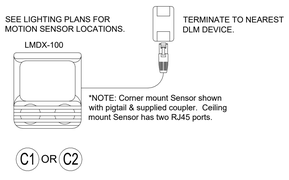


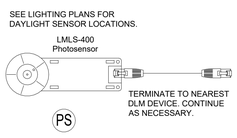


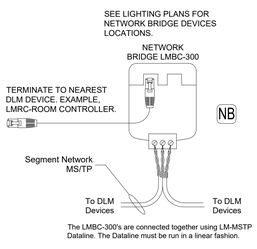


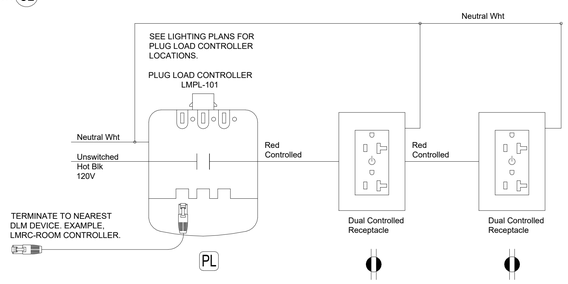




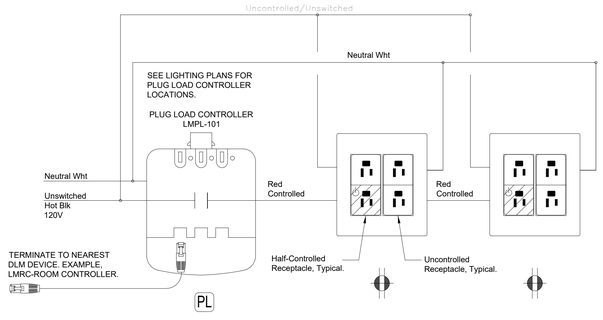








PLUG LOAD CONTROL WIRING FOR DUAL-CONTROLLED RECEPTACLE.



PLUG LOAD CONTROL WIRING FOR HALF-CONTROLLED RECEPTACLE W/ UNCONTROLLED RECEPTACLE

2 TYPICAL WIRING DIAGRAM FOR WATTSTOPPER DLM ROOM CONTROLLER W/ DLM CONTROL DEVICE

SCALE: NONE

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APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

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EDGE ELECTRICAL CONSULTING
Project Number M370
Contact CHRIS
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Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine | Hawaii

ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	PROFESSIONAL ENGINEER No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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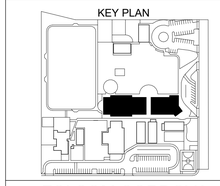
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

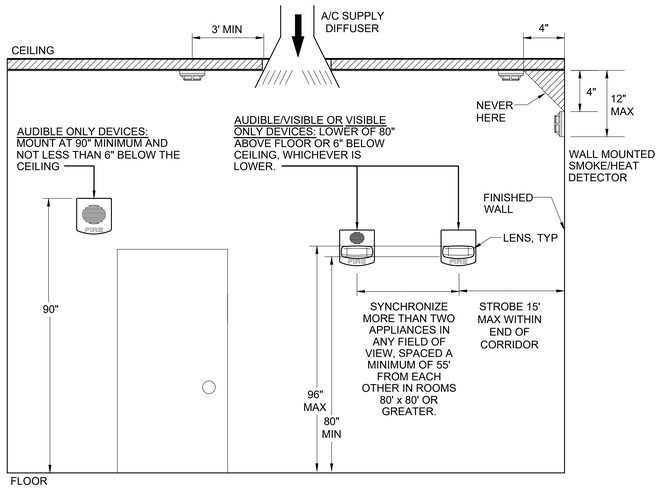
CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

DETAILS

Date 07/13/2026
Project Number 25010.1
Application Number 02-123800
Drawn Author ERIC, ISAIAH, BRANDON
Checker
Drawing Number 2E10.9

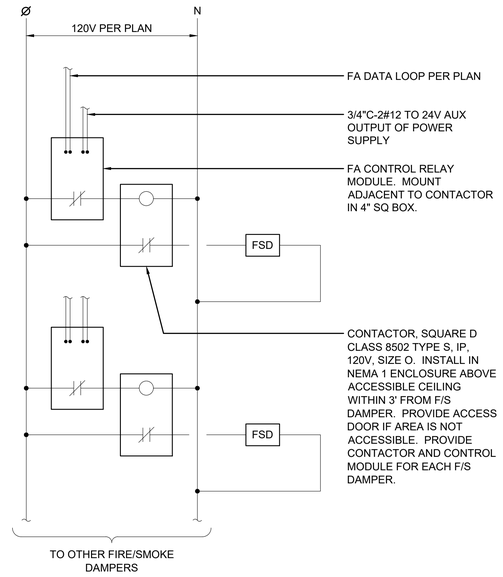
FIRE ALARM SYSTEM SEQUENCE OF OPERATION

		ALARM								TROUBLE				SUPERVISORY					
X = REQUIRED ACTION BLANK MEANS NOT APPLICABLE	EFFECT	ALARM AT FACP	ALARM AT OFF-SITE REPORTING	ACTIVATE ALL AUDIBLE/VISUAL ALARMS ON ENTIRE SITE	CLOSE FIRE/SMOKE DAMPERS					TROUBLE AT FACP	TROUBLE AT OFF-SITE REPORTING			SUPERVISORY CONDITION AT FACP	SUPERVISORY CONDITION AT OFF-SITE REPORTING				
	CAUSE																		REMARKS
1	SMOKE DETECTOR	X	X	X	X														
2	HEAT DETECTOR	X	X	X															
3	MANUAL PULL STATION	X	X	X															
4	POWER FAILURE									X	X								
5	TAMPER SWITCH AT POST INDICATOR VALVE													X	X				
6	TAMPER SWITCH AT FIRE SPRINKLER RISER													X	X				
7	FLOW SWITCH AT FIRE SPRINKLER RISER	X	X	X															
8	FIRE ALARM TROUBLE (OPEN, SHORTS OR GROUNDS ON INITIATION, NOTIFICATION OR SIGNALING LINE CIRCUITS)									X	X								



2 FIRE ALARM DEVICE ELEVATIONS

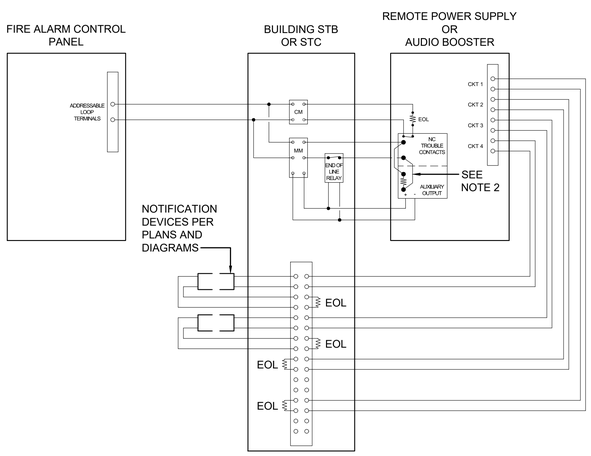
NO SCALE



NOTES:
1. FIRE ALARM PANEL SHALL BE PROGRAMMED TO CLOSE INDIVIDUAL FIRE/SMOKE DAMPERS USING AREA DETECTION IN ALARM CONDITION.
2. CONTROL RELAY MODULE AND CONTACTOR SHALL BE MOUNTED WITHIN 3' OF FIRE/SMOKE DAMPER PER NFPA 72, 21.2.4

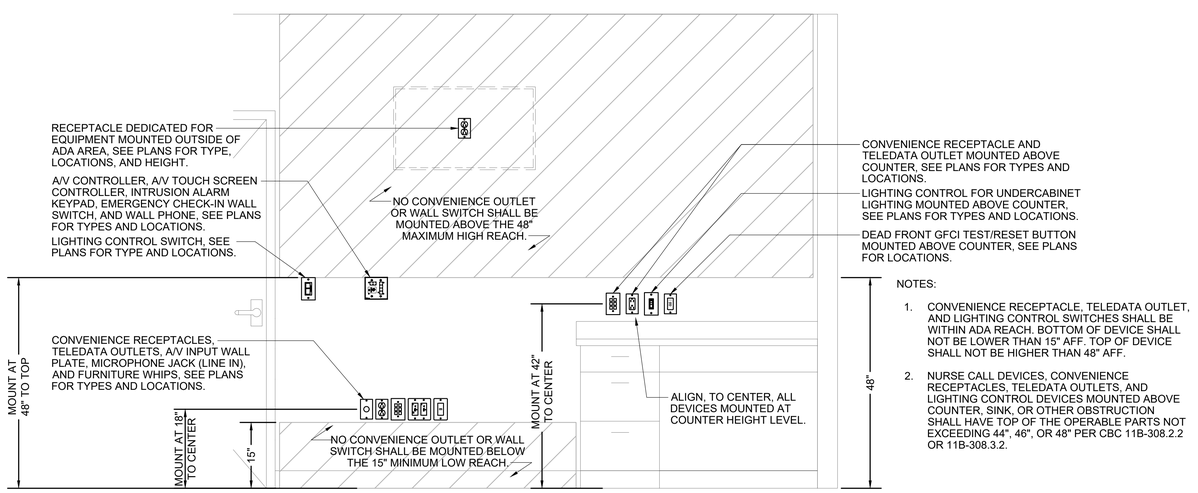
1 FIRE/SMOKE DAMPER WIRING DIAGRAM

NO SCALE



3 FA POWER SUPPLY/AUDIO BOOSTER WIRING DIAGRAM

NO SCALE



NOTES:
1. CONVENIENCE RECEPTACLE, TELEDATA OUTLET, AND LIGHTING CONTROL SWITCHES SHALL BE WITHIN ADA REACH. BOTTOM OF DEVICE SHALL NOT BE LOWER THAN 15" AFF. TOP OF DEVICE SHALL NOT BE HIGHER THAN 48" AFF.
2. NURSE CALL DEVICES, CONVENIENCE RECEPTACLES, TELEDATA OUTLETS, AND LIGHTING CONTROL DEVICES MOUNTED ABOVE COUNTER, SINK, OR OTHER OBSTRUCTION SHALL HAVE TOP OF THE OPERABLE PARTS NOT EXCEEDING 44", 46", OR 48" PER CBC 11B-308.2.2 OR 11B-308.3.2.

5 DEVICE MOUNTING DETAIL

SCALE: NONE

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Project Number M370
Contact CHRIS

ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	REGISTERED PROFESSIONAL ENGINEER ERIC S. WONG, DOMESTIC No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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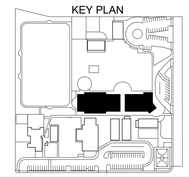
KEY PLAN



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DETAILS

Date 07/13/2026	Project Number 25010.1
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Drawn Author ERIC, ISAIAH, BRANDON	Checker

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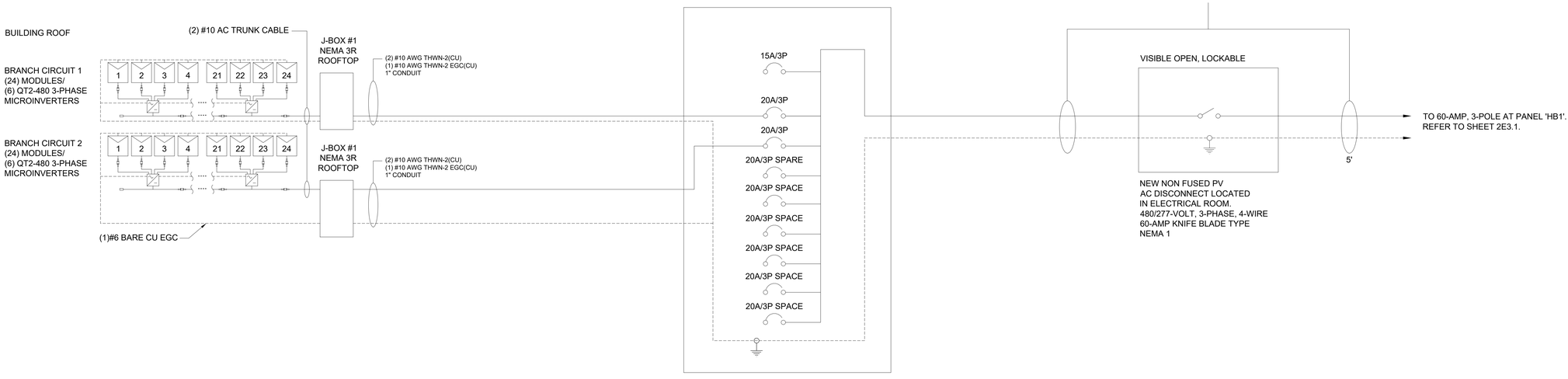
ADMIN BUILDING
TOTAL:
MODULES:
(35) PHONO SOLAR 450W (PS450M4H-24/TH)

MICROINVERTER
(9) AP SYSTEMS QT2-480

CLASS ROOM BUILDING
TOTAL:
MODULES:
(48) PHONO SOLAR 450W (PS450M4H-24/TH)

MICROINVERTER
(12) AP SYSTEMS QT2-480



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ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER J. YOUNG No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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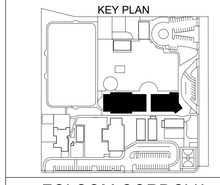
KEY PLAN



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PV WIRING DIAGRAM DETAILS

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2PV10.1
Drawn ERIC, ISAIAH, BRANDON	
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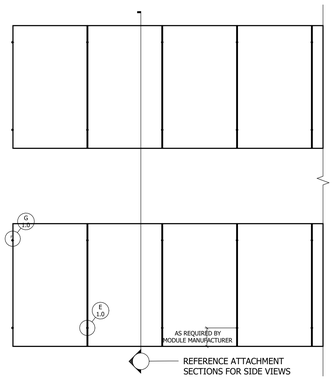
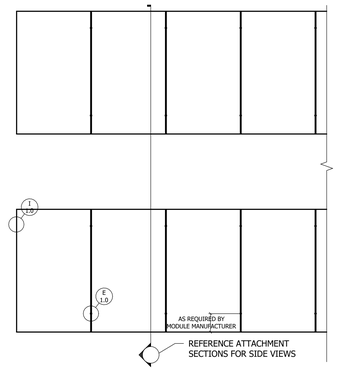
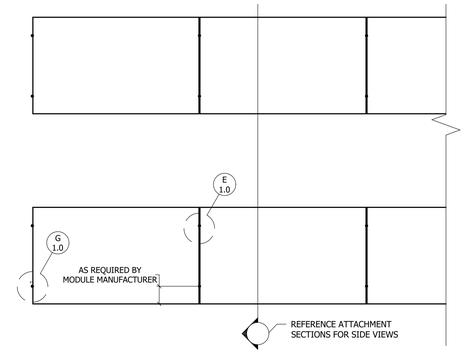


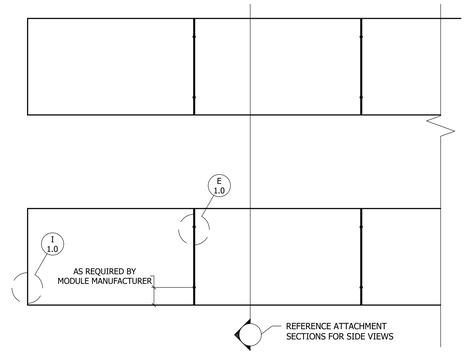
A PLAN VIEW, UFO/STOPPER SLEEVE, PORTRAIT MODULE
Scale: 3/8"=1'-0"



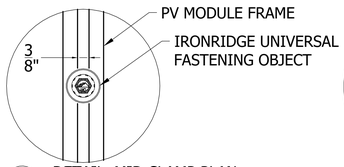
B PLAN VIEW, CAMO, PORTRAIT MODULE
Scale: 3/8"=1'-0"



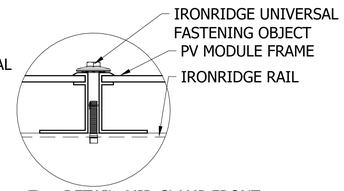
C SIDE VIEW, UFO/STOPPER SLEEVE, LANDSCAPE MODULE
Scale: 1/2"=1'-0"



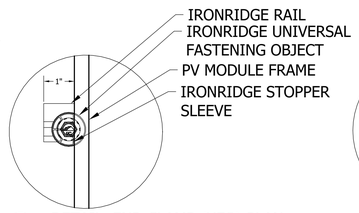
D SIDE VIEW, CAMO, LANDSCAPE MODULE
Scale: 1/2"=1'-0"



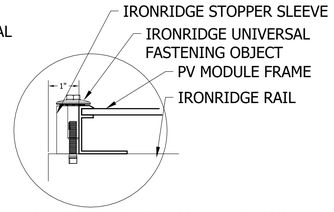
E DETAIL, MID CLAMP PLAN
Scale: 6"=1'-0"



F DETAIL, MID CLAMP FRONT
Scale: 6"=1'-0"



G DETAIL, END CLAMP (UFO) PLAN
Scale: 6"=1'-0"



H DETAIL, END CLAMP (UFO) FRONT
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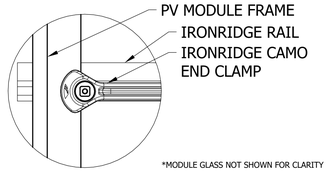
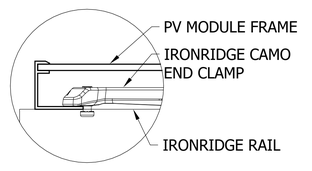
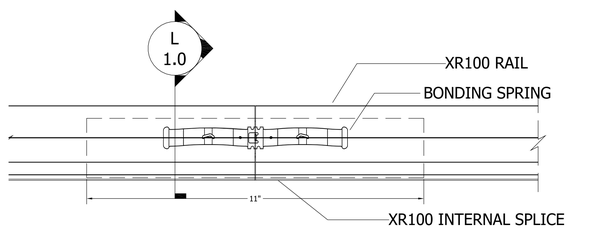


*MODULE GLASS NOT SHOWN FOR CLARITY

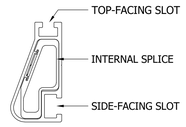
I DETAIL, END CLAMP (CAMO) PLAN
Scale: 6"=1'-0"



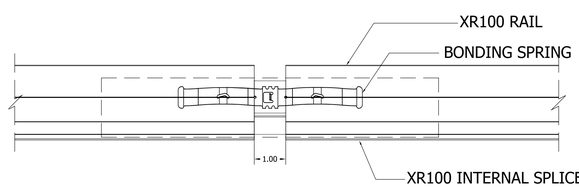
J DETAIL, END CLAMP (CAMO) FRONT
Scale: 6"=1'-0"



O DETAIL, SPLICE CONNECTION, XR100
6"=1'-0"



L DETAIL, INTERNAL SPLICE, XR100
8"=1'-0"



R DETAIL, THERMAL EXPANSION CONNECTION, XR100
6"=1'-0"

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

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ARCHITECTS

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EDGE ELECTRICAL CONSULTING
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine | Hawaii

Project Number M370
Contact CHRIS

ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	REGISTERED PROFESSIONAL ENGINEER No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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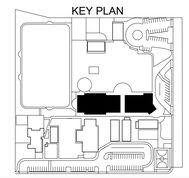
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA
UNIFIED SCHOOL
DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA
ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

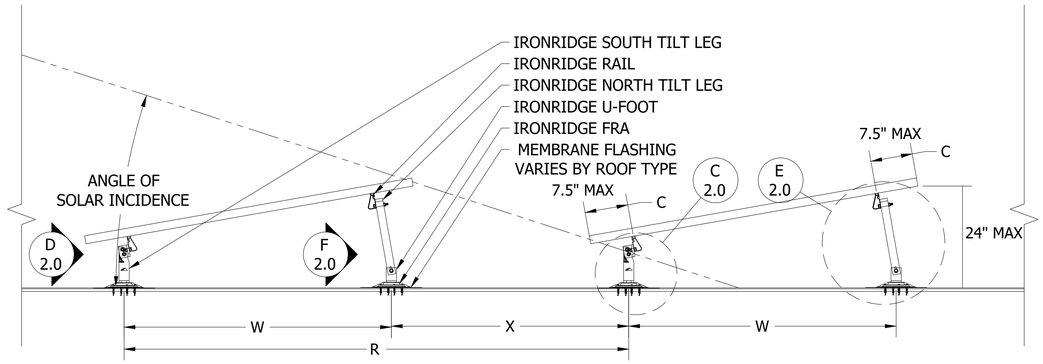
PV DETAILS

Date 07/13/2026
Project Number 25010.1
Application Number 02-123800
Drawing Number 2PV10.2
Drawn Author ERIC, ISAIAH, BRANDON
Checker

PRINT DATE: 07/10/2026 11:16:04 AM
FILE PATH: Autodesk Docs://25010 FCUSD Cordova Villa ES Mod\M370 - FCUSD Cordova Villa ES_R23_ELECTRICAL.rvt

NUMBERED NOTES

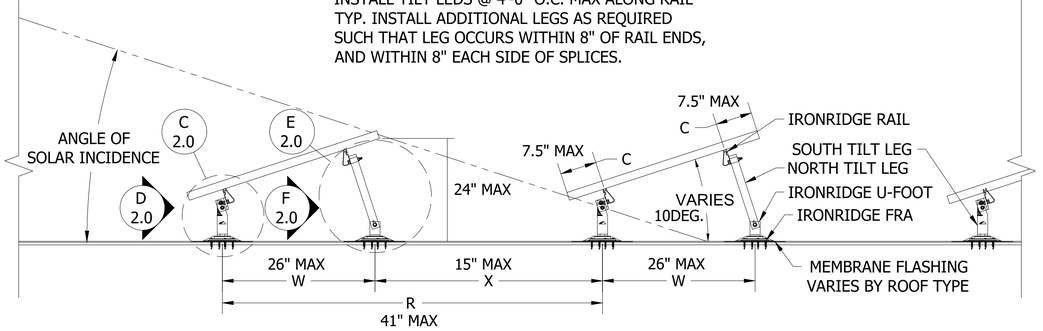
1	FOR A SINGLE-PLY ROOFING MEMBRANE SYSTEM, TYP. - SEE SPEC SECTION 07 54 19.



A SIDE VIEW, FRA, PORTRAIT MODULE

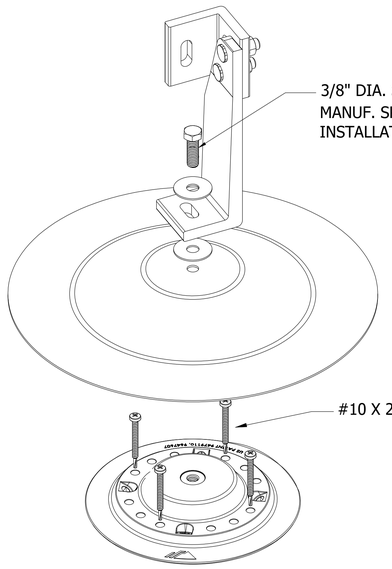
Scale: 1"=1'-0"

NOTE:
INSTALL TILT LEDS @ 4'-0" O.C. MAX ALONG RAIL TYP. INSTALL ADDITIONAL LEGS AS REQUIRED SUCH THAT LEG OCCURS WITHIN 8" OF RAIL ENDS, AND WITHIN 8" EACH SIDE OF SPLICES.



B SIDE VIEW, FRA, LANDSCAPE MODULE

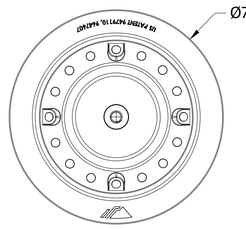
Scale: 1"=1'-0"



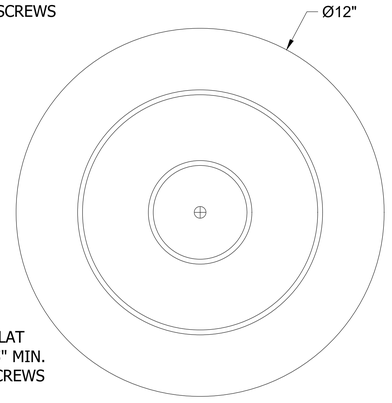
G FRA, PERSPECTIVE VIEW

I FRA, SIDE VIEW

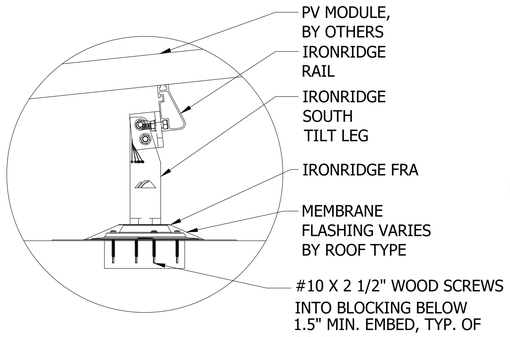
J MEMBRANE FLASHING, SIDE VIEW ①



H MEMBRANE FLASHING, PLAN VIEW ①

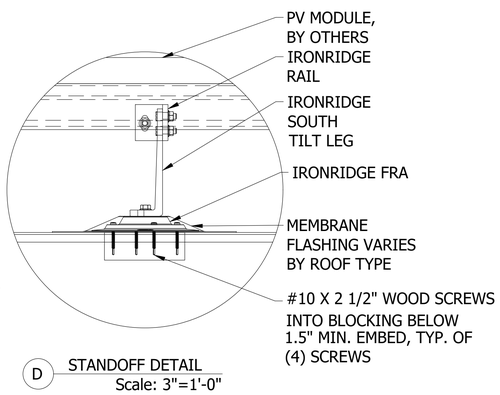


K MEMBRANE FLASHING, PLAN VIEW ①



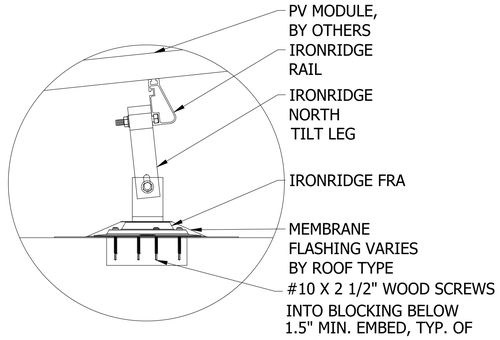
C STANDOFF DETAIL

Scale: 3"=1'-0"



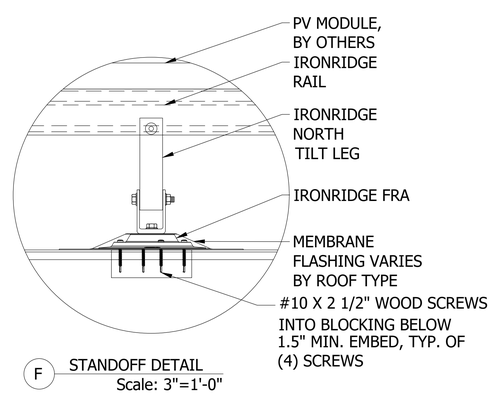
D STANDOFF DETAIL

Scale: 3"=1'-0"



E STANDOFF DETAIL

Scale: 3"=1'-0"



F STANDOFF DETAIL

Scale: 3"=1'-0"

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ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	REGISTERED PROFESSIONAL ENGINEER ERIC SHUNG DONG TSUEN No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

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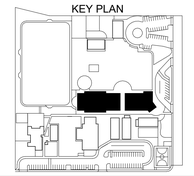


FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

PV DETAILS

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2PV10.3
Drawn Author ERIC, ISAIAH, BRANDON	Checker

PRINT DATE: 07/10/2026 11:16:04 AM
FILE PATH: Autodesk Docs://25010 FOUSD Cordova Villa ES Mod/M370 - FOUSD Cordova Villa ES_R23_ELECTRICAL.rvt

PERMANENT SIGNAGE NOTES:

1. NOT ALL PLACARDS SHOWN ARE REQUIRED BY LOCAL AHJ. CONTRACTOR TO VERIFY PLACARD REQUIREMENTS WITH LOCAL AHJ BEFORE INSTALLATION.
2. ALL PLACARDS AND SIGNAGE REQUIRED BY THE LATEST EDITION OF THE CALFORNIA ELECTRICAL CODE WILL BE INSTALLED AS REQUIRED.
3. ALTERNATE POWER SOURCE PLACARD SHALL BE METALLIC OR PLASTIC, ENGRAVED OR MACHINE PRINTED LETTERS IN A CONTRASTING COLOR TO THE PLAQUE. THIS PLAQUE WILL BE ATTACHED BY POP RIVETS OR SCREWS OR OTHER APPROVED METHOD.
4. DIRECTORY PLACARD MARKING CONTENT AND FORMAT: RED BACKGROUND, WHITE LETTERING, MINIMUM 3/8" LETTER HEIGHT, ALL CAPITAL LETTERS, ARIAL OR SIMILAR FONT, NON BOLD, REFLECTIVE WEATHER RESISTANT MATERIAL SUITABLE FOR THE ENVIRONMENT.

⚠ WARNING!

ELECTRIC SHOCK HAZARD
TERMINALS ON BOTH LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

DC VOLTAGE IS ALWAYS PRESENT WHEN SOLAR MODULES ARE EXPOSED TO SUNLIGHT

LABEL 1
AT EACH JUNCTION, COMBINER,DISCONNECT AND DEVICE WHERE ENERGIZED UNGROUNDED CONDUCTORS MAY BE EXPOSED DURING SERVICE
[CEC 690.35(F)]

!WARNING!

DUAL POWER SOURCES
SECOND SOURCE IS PV SYSTEM

LABEL 3
AT THIS POINT OF INTERCONNECTION: LABEL,
SUCH AS LABEL 5 OR 6 MUST IDENTIFY PHOTOVOLTAIC SYSTEM
[CEC 705.12(D)(4)]

⚠ WARNING!

THE DISCONNECTION OF THE GROUNDED CONDUCTOR(S) MAY RESULT IN OVERVOLTAGE ON THE EQUIPMENT

LABEL 4

⚠ WARNING!

ELECTRIC SHOCK HAZARD
TERMINALS ON BOTH LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

LABEL 2
AT EACH DISCONNECTING MEANS FOR PHOTOVOLTAIC EQUIPMENT
[CEC 690.17]

LABELING NOTES

1.1 LABELING REQUIREMENTS BASED ON THE 2014 NATIONAL ELECTRICAL CODE, INTERNATIONAL FIRE CODE 605.11, OSHA STANDARD 1910.145, ANSI Z535
1.2 MATERIAL BASED ON THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
1.3 LABELS TO BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.
1.4 LABELS TO BE A MINIMUM LETTER HEIGHT OF $\frac{3}{8}$" AND PERMANENTLY AFFIXED.
1.5 ALERTING WORDS TO BE COLORED CODED "DANGER" WILL HAVE RED BACKGROUND; "WARNING" WILL HAVE ORANGE BACKGROUND; "CAUTION" WILL HAVE YELLOW BACKGROUND . [ANSI Z535]

!CAUTION!
PHOTOVOLTAIC SYSTEM
CIRCUIT IS BACKFED

LABEL 5

PHOTOVOLTAIC SYSTEM CONNECTED

LABEL 6
AT UTILITY METER
[CEC 690.56(B)]

PHOTOVOLTAIC SYSTEM EQUIPPED WITH RAPID SHUTDOWN

LABEL 7
AT RAPID SHUTDOWN SWITCH
[CEC 690.56(B)]
LETTERS AT LEAST $\frac{3}{8}$ INCH;WHITE ON RED BACKGROUND; REFLECTIVE [CFC 605.11.1.1]

PHOTOVOLTAIC AC DISCONNECT

LABEL 8
AT EACH AC DISCONNECTING MEANS
[CEC 690.13(B)]

PV SOLAR BREAKER
DO NOT RELOCATE THIS OVERCURRENT DEVICE

LABEL 10
AT POINT OF INTERCONNECTION
OVERCURRENT DEVICE
[CEC 705.12(D)(7)]

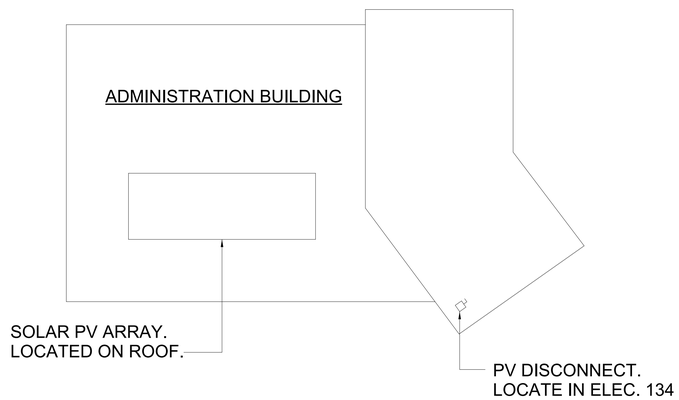
PHOTOVOLTAIC AC AMPERAGE

OPERATING CURRENT:	200A AC
OPERATING VOLTAGE:	480V AC
POLARITY OF GROUNDED CIRCUIT CONDUCTOR:	NEUTRAL

LABEL 4 X 6
AT POINT OF INTERCONNECTION, MARKED AT DISCONNECTING MEANS
[CEC 690.54]

CAUTION

POWER TO THIS BUILDING IS ALSO SUPPLIED FROM THE FOLLOWING SOURCES WITH DISCONNECT(S) LOCATED AS SHOWN.
DANGEROUS VOLTAGE MAY BE PRESENT AT ALL TIMES.



"WARNING"
PHOTOVOLTAIC ARRAY
DISCONNECTION OF NEUTRAL OR GROUNDED CONDUCTORS MAY RESULT IN OVERVOLTAGE ON ARRAY OR INVERTER.

CAUTION

POWER TO THIS BUILDING IS ALSO SUPPLIED FROM THE FOLLOWING SOURCES WITH DISCONNECT(S) LOCATED AS SHOWN.
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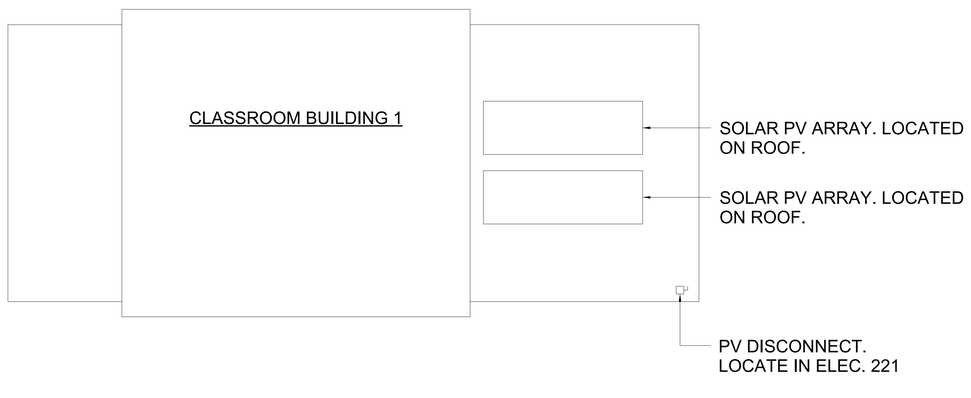

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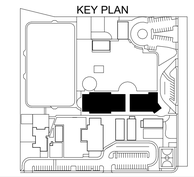

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PV LABELS

Date 07/13/2026	Project Number 25010.1
Application Number 02-123800	Drawing Number 2PV10.4
Drawn Author ERIC, ISAIAH, BRANDON Checker	

445-465w

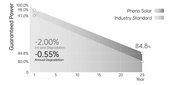
Twinplus Module Series

HIGH EFFICIENCY MONO-PERC M4-9B-R

Bloomberg NEW ENERGY FINANCE | Tier 1 | PVEL Top Performer 2022

Outstanding Product Performance

- Competitive high-temperature performance with ameliorated temperature coefficient
- Minimized power loss in cell connection
- Better performance under shading effect
- Decreased nominal operating cell temperature to 45 ± 2°C
- Higher power generation with multi-busbar and half-cut technology



12-year Product Warranty | 25-year Linear Performance Warranty

Trustworthy Quality And Reliability

- Guaranteed 0~+5W positive tolerance secures reliable power output
- 5400Pa maximum snow load, 2400Pa maximum wind load
- Optimized electrical design lowers hot spot risk and operating current

PID Resistant

- Industry-leading cell processing technology and electrical design ensure solid PID resistance

MANAGEMENT SYSTEM CERTIFICATES

IEC 61215, IEC 61730

ISO 9001
2015 / Quality management system

ISO 14001
2015 / Standards for environmental management system

ISO 45001
2018 / International standards for occupational health & safety

GL-EN-VERSION 2023.08.24 © PHONO SOLAR CO., LTD. ALL RIGHTS RESERVED

www.phonosolar.com | info@phonosolar.com

Electrical Typical Values

Model	1000V / 1500V	PS445M4-24/TH	PS450M4-24/TH	PS455M4-24/TH	PS460M4-24/TH	PS465M4-24/TH
		PS445M4H-24/TH	PS450M4H-24/TH	PS455M4H-24/TH	PS460M4H-24/TH	PS465M4H-24/TH
Testing Condition		STC / NOCT	STC / NOCT	STC / NOCT	STC / NOCT	STC / NOCT
Rated Power (Pmpp)		445 / 332	450 / 336	455 / 339	460 / 343	465 / 347
Rated Current (Impp)		10.80 / 8.72	10.87 / 8.77	10.94 / 8.83	11.01 / 8.89	11.08 / 8.94
Rated Voltage (Vmpp)		41.21 / 38.06	41.40 / 38.24	41.60 / 38.42	41.79 / 38.59	41.97 / 38.76
Short Circuit Current (Isc)		11.29 / 9.11	11.38 / 9.19	11.47 / 9.26	11.56 / 9.35	11.69 / 9.44
Open Circuit Voltage (Voc)		49.11 / 46.46	49.24 / 46.58	49.37 / 46.70	49.52 / 46.85	49.65 / 46.97
Module Efficiency (%)		20.39	21.09	20.84	21.07	21.30

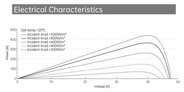
STC(Standard Testing Conditions): Irradiance 1000W/m², AM 1.5, Cell Temperature 25°C

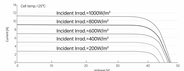
NOCT (Nominal Operation Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C , Spectra at AM1.5, Wind at 1m/s

Mechanical Characteristics

Cell Type	Monocrystalline
Dimension (L × W × H)	Length: 2101mm (82.72 inch) Width: 1039mm (40.91 inch) Height: 35mm (1.38 inch)
Weight	24.0kg (52.91 lbs)
Glass	3.2mm toughened glass
Frame	Anodized Aluminium Alloy
Cable (Including Connector)	4mm² (IEC), (+): 450mm,(-): 250mm or Customized Length
Junction Box	IP 68 Rated

Electrical Characteristics





Temperature Ratings

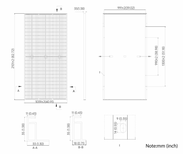
Voltage Temperature Coefficient	-0.27%/°C
Current Temperature Coefficient	+0.045%/°C
Power Temperature Coefficient	-0.34%/°C
Tolerance	0~+5%
NOCT	45±2°C

Absolute Maximum Rating

Operating Temperature	From -40 to + 85°C
Hail Diameter @ 80km/h	Up to 25mm
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Maximum Series Fuse Rating	20A
PV Module Classification	II
Fire Rating (IEC61730)	C
Maximum System Voltage	DC 1000V/1500V

Packing Configuration

Container	20' GP	40' HQ
Pieces/Container	255	682
Pcs/Pallet	51	31
Pallets/Container	5	22



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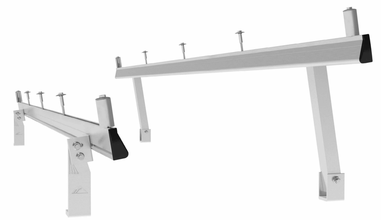
Datasheet

IRONRIDGE Tilt Mount System



Trust your system at every angle.

The IronRidge Tilt Mount System supports a wide range of solar module tilting angles, while also resisting the extreme wind and snow forces experienced over a building's lifetime.

Every component has been carefully engineered and rigorously tested, and the entire system uses only aluminum and stainless steel materials to resist corrosion.

- **Roof Friendly** — Lightweight and compatible with industry-standard attachments.
- **PE Certified** — Pre-stamped engineering letters available in most states.
- **Strength Tested** — All components evaluated for superior structural performance.
- **Design Assistant** — Online software makes it simple to create, share, and price projects.
- **UL 2703 Listed System** — Meets newest effective UL 2703 standard.
- **25-Year Warranty** — Products guaranteed to be free of impairing defects.

Datasheet

XR Rails & Tilt Legs

XR Rails

Attach directly to Tilt Legs. Available in three targeted sizes to support specific wind and snow loads.

- Unique curved profile
- Spanning capabilities up to 12'
- Clear and black finish

Tilt Legs

Tilt assembly to desired angle, up to 30 degrees. Kits include South and North Tilt Leg and all hardware.

- Available in multiple lengths for a wide angle range
- Assembled South Tilt Legs include angle indicators
- Legs are electrically bonded to rails

Grounding Clamps

UFOs

Universal Fastening Objects secure and bond modules to rails.

- Fully assembled and lubricated
- Single, universal size
- Clear and black finish

Stopper Sleeves

Snap onto the UFO to transform into a bonded end clamp.

- Bonds modules to rails
- Sized to match modules
- Clear and black finish

CAMO

Bond modules to rails while staying completely hidden.

- Universal end-cam clamp
- Tool-less installation
- Fully assembled

Accessories

BOSS™ Bonded Splices

Bonded Structural Splices connect and bond XR Rails together.

- Integrated bonding
- No tools or hardware
- Self-centering stop tab

Grounding Lugs

Connects Tilt Mount system to equipment ground.

- Low profile
- Single tool installation
- Mounts in any direction

Ends Caps & Wire Clips

Provide a finished look and organize electrical wires.

- Simple snap-in installations
- Clips hold up to ten 5mm wires
- UV-stabilized polymer

Resources

Design Assistant
Go from rough layout to fully engineered system. For free.
Go to IronRidge.com/design

NABCEP Certified Training
Earn free continuing education credits, while learning more about our systems.
Go to IronRidge.com/training

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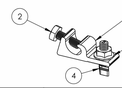
Cut Sheet

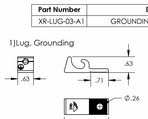
IRONRIDGE Grounding Lug



ITEM NO.	DESCRIPTION
1	LUG, GROUNDING, LAY-IN - LOW PROFILE
2	BOLT, 1/4-28 X .750" HEX CS SST
3	NUT, FLANGE HEX 1/4-20 SST
4	BOLT, T CSTM 1/4-20 X 1.188" LOCK SS

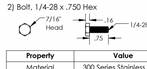
Part Number	Description	Wire Size Range (AWG)
XR-LUG-03-A1	GROUNDING LUG, LOW PROFILE	4-10

1)Lug, Grounding



Property	Value
Material	Tin Plated Copper
Finish	Clear Matte

2) Bolt, 1/4-28 x .750 Hex

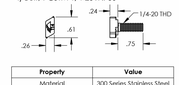


Property	Value
Material	300 Series Stainless Steel
Finish	Clear

3) Nut, Flange Hex 1/4-20

Property	Value
Material	300 Series Stainless Steel
Finish	Clear

4) Bolt, T CSTM 1/4-20 x .750



Property	Value
Material	300 Series Stainless Steel
Finish	Clear

v1.10

Tech Brief

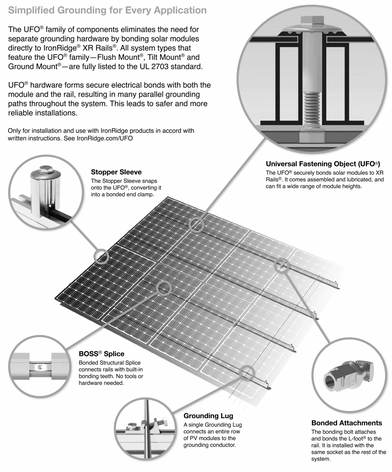
IRONRIDGE UFO® Family of Components

Simplified Grounding for Every Application

The UFO® family of components eliminates the need for separate grounding hardware by bonding solar modules directly to IronRidge® XR Rails®. All system types that feature the UFO® family—Flush Mount®, Tilt Mount® and Ground Mount®—are fully listed to the UL 2703 standard.

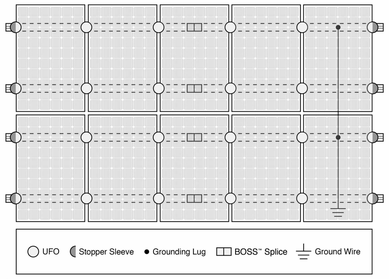
UFO® hardware forms secure electrical bonds with both the module and the rail, resulting in many parallel grounding paths throughout the system. This leads to safer and more reliable installations.

Only for installation and use with IronRidge products in accord with written instructions. See IronRidge.com/UFO



Tech Brief

System Diagram



9 Approved Enphase microinverters can provide equipment grounding of IronRidge systems, eliminating the need for grounding lugs and field installed equipment ground conductors (EGC). A minimum of two microinverters mounted to the same rail and connected to the same Engage cable is required. Refer to installation manuals for additional details.

UL Certification

The IronRidge® Flush Mount®, Tilt Mount®, and Ground Mount Systems have been listed to UL 2703 by Intertek Group plc.

UL 2703 is the standard for evaluating solar mounting systems. It ensures these devices will maintain strong electrical and mechanical connections over an extended period of time in extreme outdoor environments.

Go to IronRidge.com/UFO

Cross-System Compatibility			
Feature	**Flush Mount**	**Tilt Mount**	**Ground Mount**
XR Rails®	✔	✔	XR100 & XR1000
UFO™/Stopper	✔	✔	✔
BOSS™ Splice	✔	✔	N/A
Grounding Lugs	1 per Row	1 per Row	1 per Array
Microinverters & Power Optimizers	Compatible with most MLPE manufacturers. Refer to system installation manual.		
Fire Rating	Class A	Class A	N/A
Modules	Tested or Evaluated with over 400 Framed Modules Refer to installation manuals for a detailed list.		

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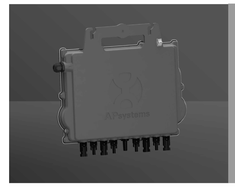
APsystems ALTENERGY POWER

Leading the Industry in **Solar Microinverter Technology**



QT2

The most powerful 3-phase Quad microinverter

- Designed for 3-phase grid connection (208V or 480V)
- Single unit connects to 4 modules, 2 MPPTs, module-level DC voltage
- Maximum continuous AC output power 1728VA @ 208V, 1800VA @ 480V
- Engineered to harness today's high-capacity PV modules (Maximum input current 20A)
- Integrated safety protection relay
- Adjustable power factor
- Balancing 3-phase output
- Compatible with both △ and Y 3-phase grid

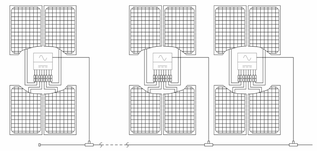
PRODUCT FEATURES

APsystems introduces its 2nd generation of native 3-phase quad microinverters, reaching unprecedented power outputs of 1728VA (for 208V) and 1800VA (for 480V) to harness the power of today's high-output PV modules. The QT2 microinverter gives commercial installers a powerful plug-and-play MLPE inverter that installs faster than competing solutions and is inherently compliant to rapid shutdown requirements.

With balancing 3-phase output, 4 DC inputs and encrypted ZigBee wireless, installers and system owners alike benefit from new QT2 architecture platform. The innovative design facilitates thermal dissipation while maximizing power production. The components are encapsulated with silicone to reduce stress on the electronics, dissipate heat, enhance waterproof properties, and ensure maximum reliability of the system. 24/7 access to performance data through apps or APsystems EMA web-based portal facilitate remote diagnosis and troubleshooting.

The new QT2 is grid interactive through its Reactive Power Control (RPC) feature, designed to better manage photovoltaic power sources in the grid. At 96.5% peak efficiency and improved reliability, the QT2 is a game changer for commercial solar.

WIRING SCHEMATIC



2023/06/25 Rev1.5

Datasheet | QT2 3-Phase Microinverter

Model	QT2-208	QT2-480
Region	USA/Canada	
Input Data (DC)		
Recommended PV Module Power (STC) Range	315Wp-670Wp+	
Peak Power Tracking Voltage	30V-45V	
Operating Voltage Range	26V-60V	
Maximum Input Voltage	60V	
Maximum Input Current	20A x 4	
Maximum input short circuit current	25A per input	
Output Data (AC)		
Maximum Continuous Output Power	1728VA	1800VA
Nominal Output Voltage/Range[2]	208V/183V-229V	480V/422V-528V
Adjustable Output Voltage Range	166V-240V	385V-552V
Nominal Output Current	4.8A×3	2.17A×3
Maximum Output Fault Current (ac) And Duration	L-L,85.4Apk, 13.6ms of duration, 4.967Arms	L-L,35.1Apk, 13.9ms of duration, 2.199Arms
Nominal Output Frequency/Range[3]	60Hz/58.8Hz-61.2Hz(HECO:57Hz-63Hz)	
Adjustable Output Frequency Range	55Hz-65Hz	
Power Factor(Default/Adjustable)	0.99/0.8 leading...0.8 lagging	
Maximum Units per 30A branch[4]	5	11
AC Bus Cable	10AWG	
Efficiency		
Peak Efficiency	96.5%	
CEC Efficiency	96%	95.5%
Nominal MPPT Efficiency	99.5%	
Night Power Consumption	80mW	200mW
Mechanical Data		
Operating Ambient Temperature Range[5]	-40 °F to +149 °F (-40 °C to +65 °C)	
Storage Temperature Range	-40 °F to +185 °F (-40 °C to +85 °C)	
Dimensions (W x H x D)	14" x 9.5" x 1.8" (359mm X 242mm X 46mm)	
Weight	13 lbs (6kg)	
DC Connector Type	Staubli MC4 PV-A08P4-S2&ADSP4-S2	
Cooling	Natural Convection - No Fans	
Enclosure Environmental Rating	Type 6	
Features		
Communication (Inverter To ECU)[6]	Encrypted ZigBee	
Isolation Design	High Frequency Transformers, Galvanically Isolated	
Energy Management	Energy Management Analysis (EMA) system	
Warranty[7]	10 Years Standard ; 25 Years Optional	
Compliances		
Safety, EMC & Grid Compliances	UL1741, CSA C22.2 No. 107.1-16; UL1741SA; UL1741SB; IEEE1547; Rule 21, SRD-V2.0; FCC Part15, ICES-003; NEC2014&NEC2017&NEC2020 Section 690.11 DC Arc-Fault circuit Protection; NEC2014&NEC2017&NEC2020 Section 690.12 Rapid Shutdown of PV systems on Buildings	

(1) Nominal voltage/frequency range can be extended beyond nominal if required by the utility.
(2) Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area.
(3) The inverter may enter to power de-grade mode under poor ventilation and heat dissipation environmental conditions.
(4) Recommend no more than 80 inverters register to one ECU for stable communication.
(5) To be eligible for the warranty, APsystems microinverters need to be monitored via the EMA portal. Please refer to our warranty T&Cs available on us.APsystems.com.

© All Rights Reserved
Specifications subject to change without notice please ensure you are using the most recent update found at us.APsystems.com or ca.ecu.APsystems.com

Meets the standard requirements for Distributed Energy Resources (UL 1741) and identified with the CSA Listed Mark

APsystems
8627 N. Mopac Expy, Suite 150, Austin, TX 78759 | APsystems.com

TYPE THHN/THWN-2/T90 - ALUMINUM CONDUCTOR - SUPERSLICK ELITE - 600V

Patents: encorewire.com/patents

ENGINEERING SPECIFICATIONS

Standards
Underwriters Laboratories® Standard UL-83, UL-1063, UL-1581, UL-1685, UL-2556; Compact Stranded Aluminum Alloy 8000 Series per ASTM B800, ASTM B801, ASTM B836; Federal Specification AA-59544; Canadian Standards Association C22.2 No. 75, NEMA WC70/ICEA S-95-658; UL VW-1 Flame Test; RoHS Compliant; American National Standards Institute; New York State 2QS-161/20-87-1/22-1/240; IEEE 1202/FT4; ICEA T-29-520 (210,000 Btu/hr) Flame Test; MasterSpec Division 26 Sections 260519, 260523, UL Listing #E-156879

CONSTRUCTION

Conductors
Compact Stranded Conductors, Aluminum Alloy 8000 Series per ASTM B800, ASTM B801 and ASTM B836

Insulation
Color-coded Polyvinyl Chloride (PVC), heat and moisture-resistant, flame-retardant compound per UL-83

Jacket
A tough, polyamide, nylon outer covering per UL-83

APPLICATIONS

Type THHN/THWN-2 building wire is intended for general purpose applications as defined by the National Electrical Code (NEC). Type THHN/THWN-2 is permitted for new construction or rewiring for 600-volt applications. Type THHN/THWN-2 is appropriate for use in wet or dry locations at temperatures not to exceed 90°C or not to exceed 75°C in oil or coolants. PVC insulation is sunlight-resistant in all colors (6 AWG and larger). Cables comply with UL's VW-1 (vertical wire) Flame Test.

FEATURES

A great alternative to eliminate the need for pulling or lube. Slick, nylon outer jacket for easy pulling. Superslick Elite is available on all sizes. All sizes are rated gasoline and oil-resistant II. 1/0 AWG and larger sizes are rated for cable tray use and comply with IEEE 1202/FT4 Flame Test and ICEA T-29-520 (210,000 Btu/hr) Flame Test.

1 SuperSlick Elite Nylon Jacket
2 PVC Insulation
3 Compact Stranded Conductor, AA-8000 Series

Conductors							Allowable Ampacity (Amps)*		
Size (AWG or KCMIL)	No. of Strands	Compact Diameter of Aluminum Conductor (in)	PVC Insulation Thickness (in)	Nylon Jacket Thickness (in)	Approximate Outside Diameter (in)	Approximate Net Weight (lbs/1000 ft)	75°C	90°C	Standard Packaging (ft)
8	7	0.134	0.030	0.005	0.204	26	40	45	500' 1000' 2500' 5000' Reels
6	7	0.169	0.030	0.005	0.239	37	50	55	500' 1000' 2500' 5000' Reels
4	7	0.213	0.040	0.006	0.305	60	65	75	500' 1000' 2500' 5000' Reels
3	7	0.238	0.040	0.006	0.330	73	75	85	500' 1000' 2500' 5000' Reels
2	7	0.268	0.040	0.006	0.360	88	90	100	500' 1000' 2500' 5000' Reels
1	8	0.299	0.050	0.007	0.413	115	100	115	500' 1000' 2500' 5000' Reels
1/0	19	0.336	0.050	0.007	0.450	139	120	135	500' 1000' 2500' 5000' Reels
2/0	12	0.376	0.050	0.007	0.490	169	135	150	500' 1000' 2500' 5000' Reels
3/0	15	0.423	0.050	0.007	0.537	206	150	175	500' 1000' 2500' 5000' Reels
4/0	19	0.475	0.050	0.007	0.589	253	180	205	500' 1000' 2500' 5000' Reels
250	22	0.520	0.060	0.008	0.656	306	205	230	500' 1000' 2500' 4000' Reels
300	25	0.570	0.060	0.008	0.706	359	230	260	500' 1000' 2500' 7000' Reels
350	24	0.616	0.060	0.008	0.752	411	250	286	500' 1000' 3000' 6000' Reels
400	27	0.659	0.060	0.008	0.795	463	270	305	500' 1000' 3000' 5000' Reels
500	24	0.736	0.060	0.008	0.872	568	310	350	500' 1000' 2500' 4000' Reels
600	45	0.813	0.070	0.009	0.971	690	340	385	500' 1000' 1500' 3500' Reels
700	45	0.877	0.070	0.009	1.035	794	375	425	500' 1000' 1500' 2500' Reels
750	47	0.908	0.070	0.009	1.066	844	395	435	500' 1000' 1500' 2500' Reels
800	58	0.899	0.070	0.009	1.107	999	425	480	500' 1000' 1500' 2000' Reels
1000	61	1.060	0.070	0.009	1.220	1,130	445	500	500' 1000' 1500' 2000' Reels

*Ampacity of conductors are based on the National Electrical Code (NFPA 70) Table 310.15(B)(16). See 110.14(C), 240.4(D) and 310.15(B) for other limitations where applicable. The above data is approximate and subject to manufacturing tolerances.

PRINT LEGEND:
 # AWG: 10AWG THHN/THWN-2 SIR-600-UL-CSA-1581-VW1-FT4 (90 MM-1 (600-UL) (90-CSA) TYPE TRS 600V) THW, OPAVIATOR (E) **SUPERSLICK ELITE ®**
1/0 AWG - 4/0 AWG: 1/0-4/0 AWG THHN/THWN-2 SIR-600-UL-CSA-1581-VW1-FT4 (90 MM-1 (600-UL) (90-CSA) TYPE TRS 600V) THW, OPAVIATOR (E) **SUPERSLICK ELITE ®**
1/0 AWG - 1000 KCMIL: 250 MM, WIRE CORP (Data 4A-600-A, CSA TYPE THW, FT4 (90 MM-1 (600-UL) (90-CSA) TYPE TRS 600V) THW, OPAVIATOR (E) **SUPERSLICK ELITE ®**

ENCORE WIRE Last Edit: 8/11/23

800.962.9473 | www.encorewire.com

PRINT DATE: 07/10/2026 11:16:15 AM
FILE PATH: Autodesk Docs://2501 FOUSD Cordova Villa ES Mod\M370 - FOUSD Cordova Villa ES_R23_ELECTRICAL.rvt

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

Studio W Architects
1930 H Street
Sacramento, California 95811
[T] 916.254.5600
www.StudioW-Architects.com

EDGE ELECTRICAL CONSULTING

Project Number M370
Contact CHRIS

400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460

Sacramento | Alameda | Irvine | Hawaii

ARCHITECT	ENGINEER
DATE SIGNED: 07/13/2026	REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER JOHN DOMINGUEZ No. E 017376 ELECTRICAL STATE OF CALIFORNIA 07/10/2026

GENERAL NOTES

1. This sheet is part of a set and is not to be used alone.
2. This sheet is not to be used for construction unless the architect's stamp and signature appear on the drawings and the status box indicated drawings have been released for construction.
3. These plans and prints thereof, as instruments of service, are owned by the architect and are for use on this project only. Reproduction and/or distribution without the prior written consent of the architect is forbidden.
4. Copyright Studio W Associates, Inc. 2022.

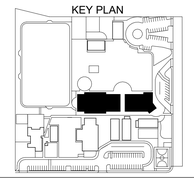
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

PV CUTSHEETS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2PV10.5
Drawn ERIC, ISAIAH, BRANDON	
Author Checker	

FIRE SPRINKLER MATERIAL SCHEDULE

SPEC SECTION	DESCRIPTION	MODEL NO.	CSFM LISTING	MFR.
210500				
2.02	BURIED PIPE			
	IN-BUILDING RISER	SERIES IBR	N/A	AMES
2.03	ABOVE GROUND PIPING			
	PIPE			
	2-1/2"-6" SCH. 10	N/A	N/A	WHEATLAND
	1" - 2" SCH. 40	N/A	N/A	WHEATLAND
	FITTINGS			
	DUCTILE IRON THREADED	N/A	N/A	ANVIL
	GROOVED	DN	N/A	VICTAULIC
2.05	PIPE HANGERS AND SUPPORTS			TOLCO
210523				
2.03	BUTTERFLY VALVE			
	GROOVED BUTTERFLY VALVES WITH SUPERVISORY TAMPER SWITCH	SERIES 705	7770-0531:0113	VICTAULIC
2.04	CHECK VALVES			
	GROOVED CHECK VALVE	G-1	N/A	VIKING
2.09	BALL, GLOBE OR ANGLE VALVES			
	BALL VALVE	KT-585	N/A	NIBCO
	GLOBE VALVE	125SUL	N/A	UNITED BRASS
	ANGLE VALVE	126SUL	N/A	UNITED BRASS
211300				
1.06	STRUCTURAL DESIGN AND SEISMIC REQUIREMENTS			
	IN-LINE SWAY BRACE ATTACHMENT	FIG. 4L	N/A	TOLCO
	UNIVERSAL SWIVEL SWAY BRACE	FIG. 980	N/A	TOLCO
	SWAY BRACE ATTACHMENT	FIG. 1001	N/A	TOLCO
	SURGE RESTRAINER	FIG. 25	N/A	TOLCO
2.02	SPRINKLERS			
	MICROFAST QR SSU	VK300	N/A	VIKING
	MIRAGE QR CONC SSP	VK4621	N/A	VIKING
2.03	PIPING SPECIALTIES			
	HORN STROBE	SH-120	7135-0328:0190	POTTER
	FLOWSWITCH	VSR	7770-0328:0001	POTTER
	CONTROL VALVE SUPERVISORY SWITCH	PCVS-1	7770-0328:0010	POTTER
	OS&Y SUPERVISORY SWITCH	OSYSU	7770-0328:0010	POTTER

Attachment "B"

CALIFORNIA AMERICAN WATER

FIRE HYDRANT FLOW TEST INFORMATION

Requested By: Mike Hammond
Project Name: Cordova Villa ES
Project Address: 10359 South White Rock Rd, Rancho Cordova CA 95670
CAW System: Suburban-Rosemont
Test Date & Time: December 31, 2025; 10:25A.M.
Performed By: V.G, T.B.

Residual Hydrant No.: HRC-1230 **Location:** Along Reymouth Ave
Flowing Hydrant No.: HRC-1116 (see Location Map in Attachment "A")

Field Observations:

Static Pressure	65	psi	Pressure measured at the residual hydrant with no hydrants flowing
Residual Pressure	57	psi	Pressure measured at the residual hydrant when flow hydrant is flowing
Pitot Pressure, P	40	psi	Pitot gage reading taken from the outlet of flowing hydrant
Outlet Diameter, d	2.5	in	Opening size of hydrant outlet being flowed

Calculations:

a. Determination of Discharge

$$Q_F = 29.83\, c\, d^2 \sqrt{P}$$

Where:
c = coefficient of discharge, 0.9
d = diameter of outlet, in
P = pitot gauge pressure, psi
Q_F = 1,061 gpm Actual hydrant flow during test

b. Determining Available Flow

$$Q_R = Q_F \times \frac{h_r^{0.54}}{h_f^{0.54}}$$

Where:
h_r = pressure difference between static pressure and the desired residual pressure of 20 psi
h_f = pressure difference between static pressure and the residual pressure, psi
Q_R = 2,697 gpm Available flow @ 20 psi residual pressure

The calculated results shown above indicate that the distribution system in this area where the hydrant was tested exhibited that it would be capable of delivering a flow of approximately 2,697 gpm at 20 psi residual pressure.

Notes: The above flow test and calculations were in accordacne with the recommended practices for fire flow testing per AWWA M17 Manual and NFPS 291 Standards. The company provides no warranty that it will supply at any specific flows, quantities or pressures for fire protection or other purposes, except as required by law. For questions, please contact Meghan Pistolesi at (916) 397-2492 or at meghan.pistolesi@amwater.com

FIRE PROTECTION NOTES

1. ALL WORKS AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES AS AMENDED AND ADOPTED BY THE INSPECTION AUTHORITY. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR OTHERS APPLICABLE TO THIS PROJECT.
   A. CALIFORNIA FIRE CODE, 2022
   B. NFPA-13, 2022
   C. NFPA-24, 2022
   D. DIVISION OF THE STATE ARCHITECT
   E. CALIFORNIA BUILDING CODE - 2022
   F. CALIFORNIA MECHANICAL CODE- 2022
   G. CALIFORNIA PLUMBING CODE - 2022
   H. CALIFORNIA ELECTRICAL CODE - 2022
   I. STATE OF CALIFORNIA ENERGY CONSERVATION REGULATIONS, TITLE 24 - 2022
   J. NATIONAL FIRE PROTECTION ASSOCIATION
   K. OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)
2. SEISMIC PROTECTION: ALL PIPING SHALL CONFORM TO THE REQUIREMENTS OF NFPA 13 (2022) CHAPTER 18.
3. ANY DAMAGE TO NEW BUILDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS THAT OCCURS DURING INSTALLATION SHALL BE RESTORED TO THE ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. IF LANDSCAPED AREAS INCLUDING NATURAL SPACES, MUST BE USED FOR BUILDING ACCESS THE LANDSCAPING SHALL BE RETURNED TO IT'S ORIGINAL CONDITION. THE CONTRACTOR MAY INCLUDE COSTS IN THE BID FOR THIS WORK IF THIS APPROACH IS USED. THE OWNER WILL NOT PAY ANY ADDITIONAL COSTS TO COVER DAMAGE TO THE BUILDING SYSTEMS, LANDSCAPING, OR DRIVE AREAS.
4. COORDINATE THE FOLLOWING WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWING ELEMENTS INSTALLED INCLUDING EXISTING BUILDING SYSTEMS:
   A. EXACT LOCATION OF ALL EQUIPMENT.
   B. ALL PENETRATIONS THRU ROOF, WALLS AND FLOORS.
   C. EXACT SIZE AND ROUTING OF PIPING.
5. DRAWINGS ARE DIAGRAMMATIC ONLY. PIPE, VALVES, AND EQUIPMENT SHALL FOLLOW THE ARRANGEMENT SHOWN WHILE STILL COORDINATING ROUTING AROUND OBSTRUCTIONS TO THE SPRINKLER LAYOUT.
6. INSTALLATION OF THE SPRINKLER SYSTEM SHALL NOT BE STARTED UNTIL COMPLETE PLANS AND SPECIFICATION, INCLUDING WATER SUPPLY INFORMATION, HAVE BEEN APPROVED BY LP CONSULTING ENGINEERS. AT VARIOUS STAGES AND UPON COMPLETION, THE SYSTEM MUST BE TESTED IN THE PRESENCE OF THE AUTHORITY HAVING JURISDICTION (AHJ).
7. THE LOCATION OF THE FIRE SPRINKLER HEADS SHALL BE COORDINATED WITH THE NEW CEILING LAYOUTS AND ALL OTHER TRADES FOR COMPLETE FIRE PROTECTION COVERAGE OF ALL AREAS. PROVIDE DETAILED PLANS FOR APPROVAL PRIOR TO INSTALLATION.
8. HEADS SHALL BE SYMMETRICALLY LOCATED IN CENTER OF CEILING PANELS. COORDINATE LAYOUT WITH CEILING OR SOFFIT LIGHT FIXTURES, HVAC DIFFUSERS AND RETURN GRILLS, SPEAKERS, FIRE ALARM DEVICES, ETC. PROVIDE PENDENT AND/OR CONCEALED TYPE SPRINKLER HEADS WHERE REQUIRED.
9. WORKMANSHIP:
   ALL WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER ACCORDING TO THE BEST TRADE PRACTICE BY THOSE SKILLED IN THEIR PARTICULAR TRADE. PIPES, HANGERS, AND DEVICES,TO BE INSTALLED LEVEL, SQUARE OR CENTERED TO GIVE A NEAT AND PLEASING APPEARANCE. ALL EQUIPMENT IS TO BE INSTALLED STRICTLY PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE ALL WORK WITH OTHER TRADES AND ARCHITECT.
10. THE ANNULAR SPACE BETWEEN PIPE SLEEVES AND THE PIPE THROUGH ALL RATED WALLS AND FLOORS SHALL BE FIRESTOPPED. FIRESTOPPING ALL PIPE PENETRATIONS SHALL COMPLY WITH U.L REQUIREMENTS. MANUFACTURER PREAPPROVED UL PENETRATION FOR PROSET, OR APPROVED EQUAL. SUBMIT SHOP DRAWINGS.
11. BY OTHERS:
    A. ELECTRICAL CONTRACTOR: ALL POWER AND ALARM WIRING, CONDUITS, DISCONNECTS, AND FINAL CONNECTIONS. NO FIELD SUPPLIED ELECTRICAL DEVICE SHALL BE MOUNTED ON PIPING AND NO RIGID ELECTRICAL CONNECTIONS SHALL BE MADE
    B. GENERAL CONTRACTOR: CUTTING, FRAMING, PATCHING, FURRING, AND PAINTING.
12. WARRANTY:
    ALL MATERIALS AND EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE GUARANTEED FREE FROM ALL FIRE PROTECTION, ELECTRICAL, AND WORKMANSHIP DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO THE PREMISES CAUSED BY LEAKS AND/OR BREAKS IN PIPES AND FIXTURES INSTALLED UNDER THIS CONTRACT.
13. IT IS THE INTENTION OF THE PLANS AND SPECIFICATIONS TO COVER ALL THINGS REQUIRED TO PROVIDE COMPLETE AND FUNCTIONING SYSTEMS. THE CONTRACTOR IS TO FURNISH ALL LABOR, MATERIALS, TRANSPORTATION, EQUIPMENT, MISCELLANEOUS SERVICES, ETC., REQUIRED TO ACCOMPLISH THIS RESULT. ANYTHING WHICH MAY BE REASONABLY CONSTRUED AS A NECESSARY PART OF THE INSTALLATION WHETHER SPECIFICALLY SHOWN OR MENTIONED, SHALL BE INCLUDED. THE ENGINEER WILL GIVE ANY INTERPRETATIONS NECESSARY FOR THE CONTRACTOR TO PROPERLY ESTIMATE AND INSTALL THE WORK.
14. THE CONTRACTOR SHALL SURVEY EXISTING FIELD CONDITIONS PRIOR TO BIDDING.
15. ALL EXISTING FIRE PROTECTION SYSTEMS SHALL REMAIN IN OPERATION DURING ALL PHASES OF CONSTRUCTION. NO SYSTEMS ARE TO BE SHUTDOWN WITHOUT AUTHORIZATION FROM THE OWNER AND LOCAL FIRE DISTRICT.
16. C-16 CONTRACTOR SHALL GENERATE SHOP DRAWINGS CONSISTENT WITH THE DESIGN INTENT SHOWN ON THE CONTRACT DOCUMENTS. CONTRACTOR SHALL CAPTURE ANY NECESSARY MODIFICATIONS TO THE LAYOUT THROUGH THE COORDINATION WITH ALL OTHER TRADES, PRIOR TO SUBMITTING TO ENGINEER FOR REVIEW OR SENDING OUT FOR FABRICATION. CHANGES THAT DO NOT AFFECT THE SPRINKLER DESIGN INTENT OR HYDRAULIC CALCULATIONS ARE NOT INTENDED TO PREVENT THE CONTRACTOR FROM MAKING ANY NECESSARY MODIFICATIONS DURING COORDINATION INCLUDING BUT NOT LIMITED TO CHANGING OR ADDING PROTECTION BECAUSE OF OBSTRUCTIONS TO SPRINKLER DISCHARGE, CENTERING OF SPRINKLER HEADS, RELOCATING DUE TO CONSTRUCTIBILITY AND COORDINATION, OR ADDING ADDITIONAL SPRINKLER HEADS FOR FULL PROTECTION OF A SPACE OR A COMPARTMENT. SPRINKLER LAYOUT CHANGES REQUIRED AFTER THE C-16 CONTRACTOR HAS SUBMITTED SHOP DRAWINGS FOR REVIEW SHALL NOT WARRANT A CHANGE ORDER IF PLANS SUBMITTED WERE RECEIVED WITH DEFICIENCIES OR CODE VIOLATIONS.
    A. CONTRACTOR SHOP DRAWINGS: USED FOR COORDINATION AND AS INSTALLATION DRAWINGS TO INDICATE PIPE LENGTHS, ELEVATIONS, FLOOR AND WALL PENETRATIONS.
    B. ENGINEER'S REVIEW OF SUBMITTALS DOES NOT RELIEVE CONTRACTOR FROM COORDINATING INSTALLATION OF WORK WITH OTHER TRADES, OR FROM COMPLIANCE WITH ANY CODES OR STANDARDS.
    C. COPIES OF CONTRACT DRAWINGS CANNOT BE USED AS THE CONTRACTOR'S INSTALLATION DRAWINGS FOR REVIEW. CONTRACT DRAWINGS ARE USED FOR SUBMITTAL AND APPROVAL TO THE REVIEWING AGENCY ONLY AND DO NOT SHOW THE CONTRACTOR'S CONTINUED COORDINATION WITH OTHER TRADES, FABRICATED LENGTHS, OR APPROPRIATE TAKE OFFS FOR FITTINGS.

FIRE SPRINKLER LEGEND

1 / FP1 — DETAIL DESIGNATION / DETAIL NUMBER / SHEET NO. WHERE SHOWN	
##	HYDRAULIC CALCULATION REFERENCE NODE
SB2	LATERAL SEISMIC BRACE
SB1	LONGITUDINAL SEISMIC BRACE
	FOUR WAY BRACE
	FIRE SPRINKLER RISER
	GROOVED COUPLING
	PIPE HANGER DESIGNATION
	HORN STROBE CONNECTED TO FLOW SWITCH
	CHANGE IN ELEVATION
	CAP
	PLUG
	VALVE
	BRANCH LINE RESTRAINT
	NEW FIRE SPRINKLER PIPE
●	FIRE SPRINKLER CONCEALED PENDENT HEAD
○	FIRE SPRINKLER UPRIGHT HEAD
▷	FIRE SPRINKLER SIDEWALL
BOR	BASE OF RISER
TOR	TOP OF RISER

FIRE SPRINKLER SHEET INDEX

SHEET NUMBER	SHEET NAME
2FP0.1	FIRE SPRINKLER LEGENDS, NOTES AND SCHEDULES
2FP1.1	FIRE SPRINKLER SITE PLAN
2FPA2.1	FIRE SPRINKLER FLOOR PLAN ADMIN
2FPA3.1	FIRE SPRINKLER REFLECTED CEILING PLAN ADMIN
2FPB2.1	FIRE SPRINKLER FLOOR PLAN CLASSROOM
2FPB3.1	FIRE SPRINKLER REFLECTED CEILING PLAN CLASSROOM
2FP6.1	FIRE SPRINKLER SECTIONS
2FP9.1	SEISMIC CALCULATIONS
2FP9.2	SEISMIC CALCULATIONS
2FP10.2.1	FIRE SPRINKLER DETAILS
2FP10.2.2	FIRE SPRINKLER DETAILS

GENERAL NOTES

1. THE SYSTEM DESIGN AND INSTALLATION SHALL COMPLY WITH NFPA 13, 2022 EDITION AND DIVISION OF THE STATE ARCHITECT.
2. SYSTEM DESIGN IS FOR: LIGHT HAZARD
3. CITY WATER SUPPLY INFORMATION:
   STATIC: 65 PSI RESIDUAL: 57 PSI FLOW: 1061 GPM
4. ALL PIPE 2" AND SMALLER SHALL BE SCHEDULE 40, BLACK STEEL ANSI/ASTM A53.
5. ALL GROOVED AND WELDED PIPE 2 1/2" - 6" SHALL BE SCHEDULE 10, BLACK STEEL ANSI/ASTM A795.
6. THREADED FITTINGS SHALL BE CLASS 125 THREADED DUCTILE IRON ANSI B16.3.
7. ALL THREADED PIPE AND FITTINGS SHALL HAVE THREADS CUT TO ANSI/ASME STANDARD B1.20.1.
8. ALL PIPE WELDING SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS AWS D10.9 (STANDARD FOR BUILDING SERVICE PIPING)
9. ALL PIPE SHALL BE EARTHQUAKE BRACED AS OUTLINED IN NFPA 13, 2022 EDITION, SECTION 18.1.
10. ALL HANGER COMPONENTS AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 13, 2022 EDITION, SECTION 17.2 AND 17.4.
11. FIRE SPRINKLER SUPPLY AND STUB OUT SHALL BE INSTALLED AND TESTED PER NFPA 24.
12. ALL NEW PIPING IS TO BE HYDROSTATICALLY TESTED TO CODE FOR A PERIOD NOT LESS THAN TWO HOURS.
13. FLOW AND TAMPER SWITCHES ARE TO BE CONNECTED TO FIRE ALARM PANEL.
14. 2X4 REGULAR TILE, PENDENT SPRINKLERS ARE TO BE CENTERED IN 2'X2' SPACE. (TYPICAL)

SCOPE OF WORK

PROJECT DESCRIPTION: NEW FIRE SPRINKLER SYSTEM TO ACCOMMODATE NEW BUILDING CONSTRUCTION

OWNER: FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT

CODE ANALYSIS:

TOTAL BUILDING AREA: CLASSROOM: 14,022 SF BUILDING HEIGHT: 1-STORY
ADMIN: 9,702 SF

CONSTRUCTION TYPE: V-B OCCUPANCY TYPE: (E, S2, B, A-3)

VICINITY MAP

OVERHEAD FIRE SPRINKLER SYSTEM NOTES

1. NFPA 13 (2022) SEC. 6.10.2.1.1 UNDERGROUND MAINS AND LEAD-IN CONNECTIONS TO SYSTEM RISERS SHALL BE COMPLETELY FLUSHED BEFORE CONNECTIONS ARE MADE TO THE OVERHEAD FIRE SPRINKLER PIPING SYSTEM. (WITNESSED BY THE INSPECTOR OF RECORD)
2. NFPA 13 (2022) SEC. 18.4.2. CLEARANCE SHALL BE PROVIDED AROUND ALL PIPING EXTENDING THROUGH WALLS, FLOORS, PLATFORMS AND FOUNDATIONS INCLUDING DRAINS SUCH THAT THE DIAMETER OF THE HOLES IS 2 INCHES LARGER THAN THE PIPE FOR PIPE UP TO 3", AND 4 INCHES LARGER THAN THE PIPE FOR PIPE 4" AND LARGER.
3. NFPA 13 (2022) SEC. 29.2.1 ALL INTERIOR PIPING AND APPURTENANCES SUBJECTED TO SYSTEM WORKING PRESSURE SHALL BE HYDROSTATICALLY TESTED AT 200 PSI AND SHALL MAINTAIN THAT PRESSURE WITHOUT LOSS FOR 2 HOURS. (WITNESSED BY IOR)
4. NFPA 13 (2022) SEC. 16.2.7.5 VERIFY THAT THE SPARE SPRINKLER HEAD CABINET INCLUDES,WRENCH, AND NO FEWER THAN A TOTAL OF 6 SPARE SPRINKLER HEADS MATCHING THE TYPES AND TEMPERATURE RATINGS IN EACH PROTECTED BUILDING FOR SYSTEMS WITH LESS THAN 300 SPRINKLERS AND 12 SPARE SPRINKLERS FOR SYSTEMS WITH 300-1000 SPRINKLERS.
5. NFPA 13 (2022) SEC. 18.6.1 PROVIDE RESTRAINT OF BRANCH LINES BY USING A HANGER NO LESS THAN 45 DEGREES FROM VERTICAL INSTALLED WITHIN 6 INCHES OF THE VERTICAL HANGER ARRANGED FOR RESTRAINT AGAINST UPWARD MOVEMENT, PROVIDED IT IS UTILIZED SUCH THAT L/R DOES NOT EXCEED 400, WHERE THE ROD SHALL EXTEND TO THE PIPE OR HAVE A SURGE CLIP INSTALLED.
6. NFPA 72 (2022) SEC. 17.13.2 SPRINKLER FLOW SWITCHES SHALL BE TESTED BY IOR TO CONFIRM THAT WHEN THE INSPECTORS' TEST VALVE IS ACTIVATED, FLOW SWITCH ACTIVATION OCCURS WITHIN 90 SECONDS.
7. WATER FLOW ALARM SHALL BE WIRED AND MONITORED PER CBC (2022) SEC. 903.4.1, ALARM, SUPERVISORY, AND TROUBLE SIGNALS SHALL BE DISTINCTLY DIFFERENT AND SHALL BE AUTOMATI-CALLY TRANSMITTED TO AN APPROVED SUPERVISING STATION OR, WHERE APPROVED BY THE FIRE CODE OFFICIAL, SHALL SOUND AN AUDIBLE SIGNAL AT A CONSTANTLY ATTENDED LOCATION.
8. NFPA 13 (2022) SEC. 16.11.3.1 THE ALARM APPARATUS FOR A WET PIPE SYSTEM SHALL CONSIST OF A LISTED ALARM CHECK VALVE OR OTHER LISTED WATERFLOW DETECTION ALARM DEVICE WITH THE NECESSARY ATTACHMENTS REQUIRED TO GIVE AN ALARM.
9. NFPA 13 (2022) SEC. 29.4 HYDRAULIC CALCULATION DESIGN DATA PLACARD IS TO BE ATTACHED TO EVERY FIRE SPRINKLER SYSTEM RISER AND FLOOR CONTROL ASSEMBLY.
10. NFPA 13 (2022) SEC. 29.1 THE FIRE SPRINKLER CONTRACTOR (C-16) SHALL COMPLETE AND SIGN THE CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR THE OVERHEAD FIRE SPRINKLER SYSTEM USING THE FORM IN NFPA 13 (2022) FIGURE A29.1. THIS FORM SHALL BE GIVEN TO THE DSA PROJECT INSPECTOR WHO WILL TURN IT IN FOR DSA RECORDS.
11. NFPA 13 (2022) SEC. 29.2.3.4 THE MAIN DRAIN VALVE SHALL BE OPENED AND REMAIN OPEN UNTIL THE SYSTEM PRESSURE STABILIZES. THE STATIC AND RESIDUAL PRESSURES SHALL BE RECORDED ON THE CONTRACTOR'S MATERIAL AND TEST CERTIFICATE AND THE SPRINKLER SYSTEM GENERAL INFORMATION PLACARD. THE TEST IS TO BE WITNESSED BY THE INSPECTOR OF RECORD - IOR.
12. NFPA 13 (2022) SEC. 17.4.3.7 SPRIGS 4 FT OR LONGER SHALL BE RESTRAINED AGAINST LATERAL MOVEMENT TO PREVENT DAMAGE TO PIPING.
13. TITLE 19. ARTICLE 906(A) A LABEL OF THE SELF-ADHESIVE TYPE SHALL BE PLACED ON THE FIRE DEPARTMENT CONNECTION OR ON THE RISER FOR FIRE SPRINKLER SYSTEM WITH THE DATE OF SERVICE AND/OR DATE INSTALLATION WAS PERFORMED AND LICENSE NUMBER OF PERSON PERFORMING SERVICE WORK.
14. GENERAL INFORMATION PLACARD SHALL BE ATTACHED TO EACH RISER PER NFPA 13 (2022) SEC. 29.6.
15. THE TESTING AND MAINTENANCE OF THE SYSTEM CORROSION INHIBITOR IS TO BE BY THE OWNERS' SERVICE CONTRACTOR. WORK UNDER THIS CONTRACT IS NOT TO INCLUDE CORROSION INHIBITOR.
16. UNLESS PERMITTED BY 17.1.7.2 OR 17.1.7.3, HANGERS AND THEIR COMPONENTS SHALL BE FERROUS METAL.

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DATE SIGNED: 07/13/2026	

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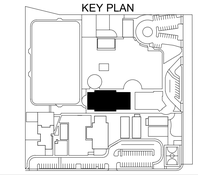
NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

FIRE SPRINKLER LEGENDS, NOTES AND SCHEDULES

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2FP0.1
Drawn KT	Checked TH

PRINT DATE: 7/9/2026 12:56:50 PM
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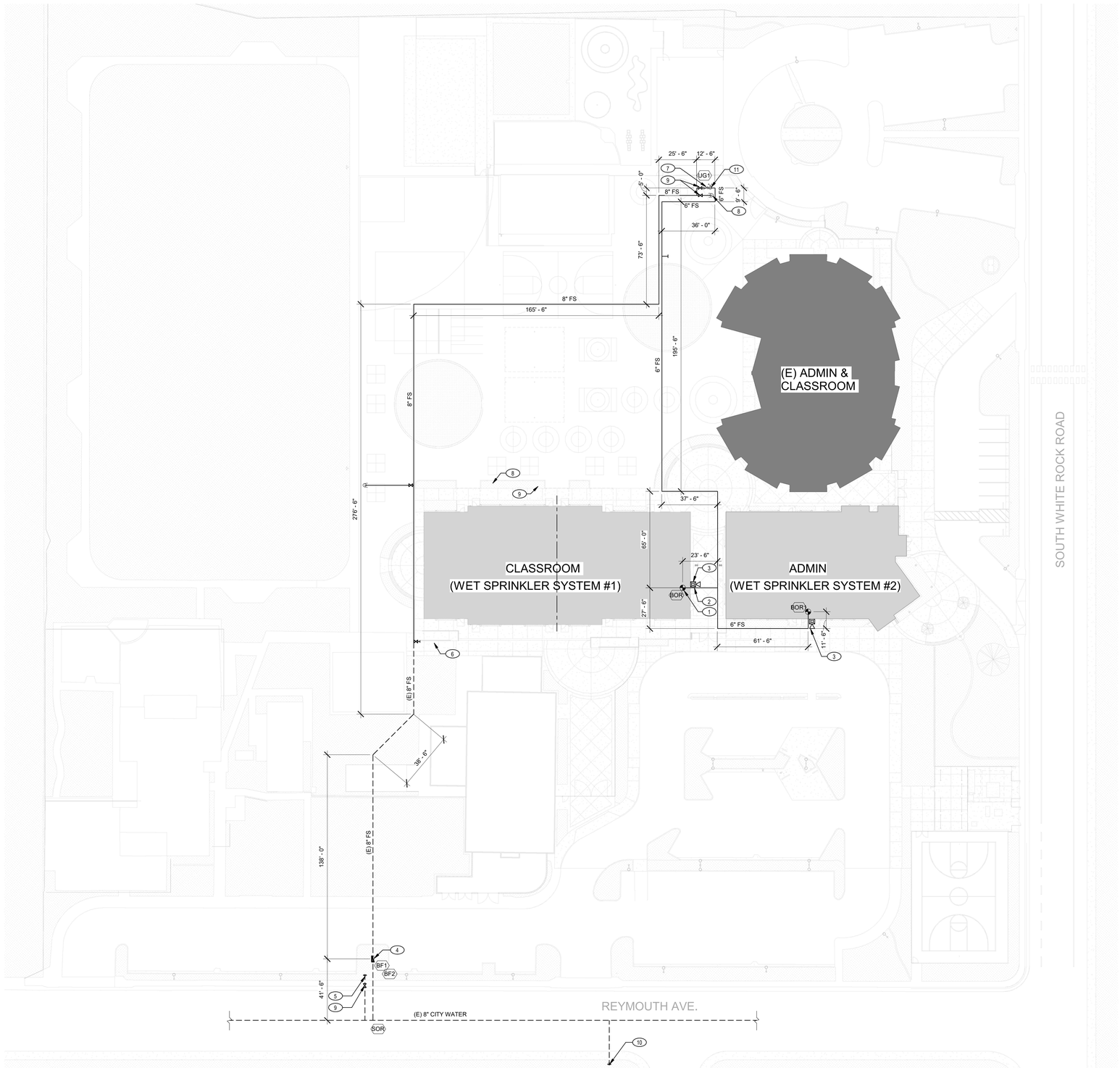
KEY NOTES

#	
1	FIRE SPRINKLER SYSTEM RISER
2	POINT OF CONNECTION TO UNDERGROUND SITE FIRE WATER (5 FT. OUTSIDE OF BUILDING)
3	ALL WEATHER HORN STROBE MOUNTED TO EXTERIOR WALL FOR FLOW SWITCH
4	EXISTING BACKFLOW PREVENTER
5	TEST HYDRANT HRC-1230
6	GATE VALVE AND CAPPED PIPE FOR FUTURE
7	CHECK VALVE
8	FIRE HYDRANT
9	GATE VALVE
10	FLOW HYDRANT HRC-1116
11	FIRE DEPARTMENT CONNECTION



1 **FIRE SPRINKLER SITE PLAN**
SCALE: 1" = 30'-0"

SITE UNDERGROUND NOTE

BUILDING FIRE PROTECTION SCOPE ENDS 5 FEET OUTSIDE OF BUILDING. FIRE PROTECTION SITE UNDERGROUND PLAN BEYOND 5 FEET IS USED FOR REFERENCING FIRE SPRINKLER HYDRAULIC CALCULATIONS ONLY. SEE CIVIL PLANS FOR THE INSTALLATION OF UNDERGROUND PIPING, DEVICES, DETAILS, AND ALL REQUIREMENTS OF THE SITE UNDERGROUND UTILITIES.

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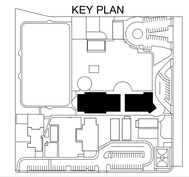
KEY PLAN



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FIRE SPRINKLER SITE PLAN

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07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2FP1.1
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KT / TH	

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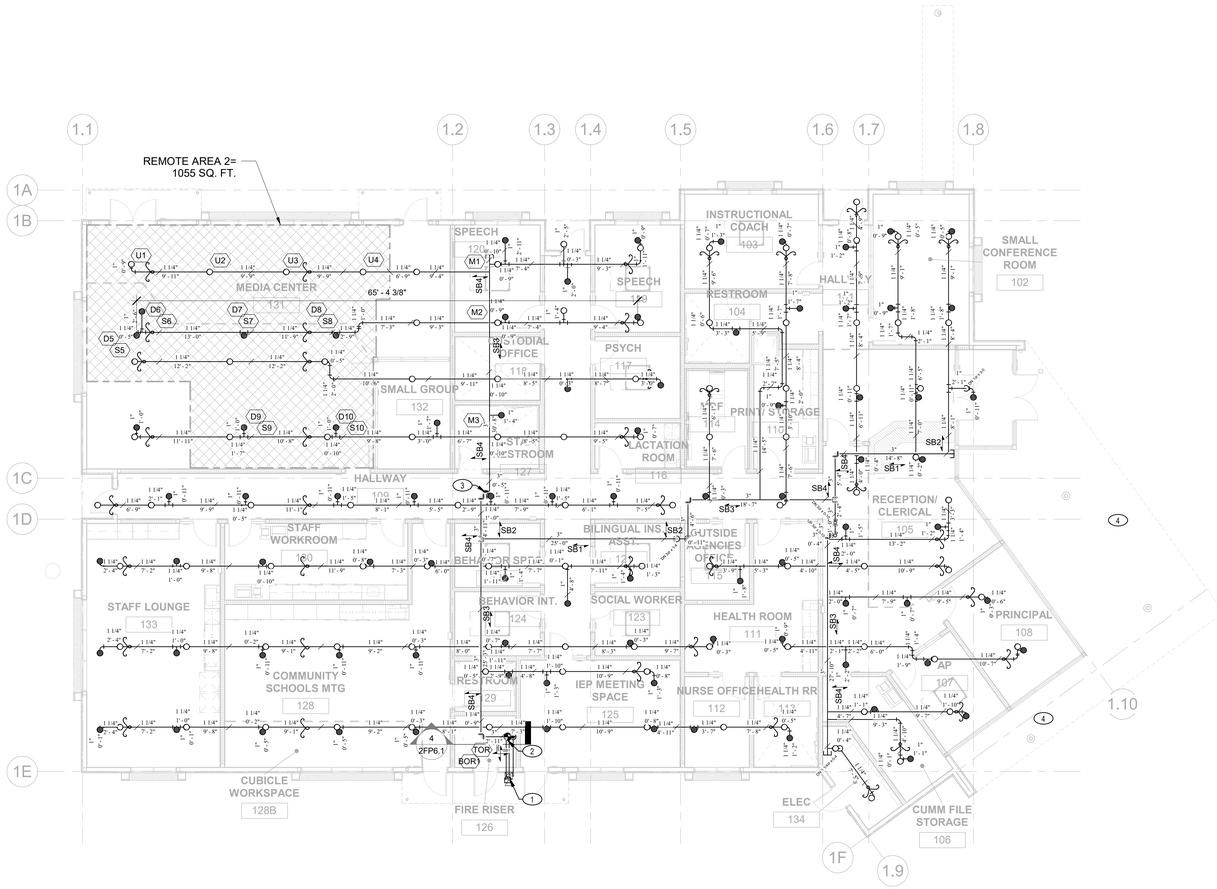
HYDRAULIC CALCULATION	
THIS BUILDING IS HYDRAULICALLY DESIGNED USING CRITERIA FROM NFPA 13, 2022 EDITION.	
LOCATION: MEDIA CENTER 131	
REMOTE AREA #: 2	
BASIS OF DESIGN	
HAZARD CLASSIFICATION:	LIGHT
DESIGN DENSITY:	0.10
REMOTE AREA % INCREASE/DECREASE:	(-3(12'-0"))/2=55 = 37%
ACTUAL SIZE OF REMOTE AREA (SF):	1055
SYSTEM DEMAND AT BASE OF RISER (BOR)	
PRESSURE REQUIRED (PSI):	42.9
FLOW REQUIRED (GPM):	211.2
ADDED HOSE - INSIDE: N/A OUTSIDE: 100	
SYSTEM DEMAND @ SOURCE (TEST)	
PRESSURE REQUIRED (PSI):	53.8
FLOW REQUIRED (GPM):	311.2
PRESSURE AVAILABLE (PSI):	64.2
SAFETY MARGIN (%):	16.1%
SPRINKLER HEAD(S)	
# OF SPRINKLERS CALCULATED:	10
THREAD:	1/2"
K-FACTOR:	5.66
RESPONSE TYPE:	155F QR/ 200F QR
ORIENTATION:	CONC PND/UPRIGHT
SIN #:	VK4621/VK300
MAXIMUM AREA PER SPRINKLER:	182 SQFT
MINIMUM PRESSURE REQUIRED:	7 PSI
MINIMUM DISCHARGE REQUIRED:	18.2 GPM



KEY NOTES

#	
1	ALL WEATHER HORN STROBE MOUNTED TO EXTERIOR WALL FOR FLOW SWITCH
2	3" SCH.10 BLK STEEL SPRINKLER SYSTEM RISER
3	AUTOMATIC AIR VENT SHALL BE INSTALLED AT THE HIGHEST POINT ON A MAIN OR BRANCH LINE PIPE PER NFPA 13 (2022) SECTION 16.7
4	SPRINKLER HEADS OMITTED FROM BENEATH EXTERIOR PROJECTIONS WITH NON-COMBUSTIBLE OR LIMITED COMBUSTIBLE EXPOSED FINISH MATERIAL PER NFPA 13 (2022) SECTION 9.2.3.2

GENERAL NOTES

A. ALL WALLS WILL BE FULL HEIGHT. UPRIGHT SPRINKLER HEADS ARE SPACED TO PROTECT THE AREA ABOVE THE CEILING IN EACH ROOM.
B. SPRINKLER HEADS SHALL BE 1'-6" BELOW THE BOTTOM OF THE TGTS, AND NO MORE THAN 22" BELOW THE ROOF.

FIRE SPRINKLER HEAD SCHEDULE						
SYMBOL	TYPE	TEMP	ORF	K	FINISH	QUANTITY
○	VK300 QR SSU SPRINKLER	200	1/2"	5.6	BRASS	98
●	VK4621 QR CONC PND SPRINKLER WITH WHITE COVER PLATE	155	1/2"	5.6	BRASS	84

1 FIRE SPRINKLER FLOOR PLAN - ADMIN

SCALE: 1/8" = 1'-0"

N

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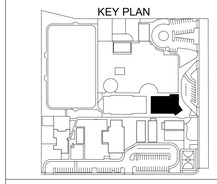
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

FIRE SPRINKLER FLOOR PLAN ADMIN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2FPA2.1
Drawn / Checked	
Author / Checker	

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KEY NOTES

1 SPRINKLER HEADS OMITTED FROM BENEATH EXTERIOR PROJECTIONS WITH NON-COMBUSTIBLE OR LIMITED COMBUSTIBLE EXPOSED FINISH MATERIAL PER NFPA 13 (2022) SECTION 9.2.3.2

1 FIRE SPRINKLER REFLECTED CEILING PLAN - ADMIN

SCALE: 1/8" = 1'-0"

N

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Job #: 25-2132

ARCHITECT	ENGINEER
LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Ren. 9/30/27 STATE OF CALIFORNIA	REGISTERED PROFESSIONAL ENGINEER SEAN ROURKE M 32311 REN. 6-30-27 MECHANICAL STATE OF CALIFORNIA
DATE SIGNED: 07/13/2026	

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REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

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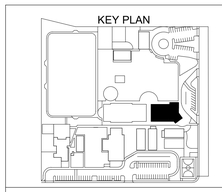
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

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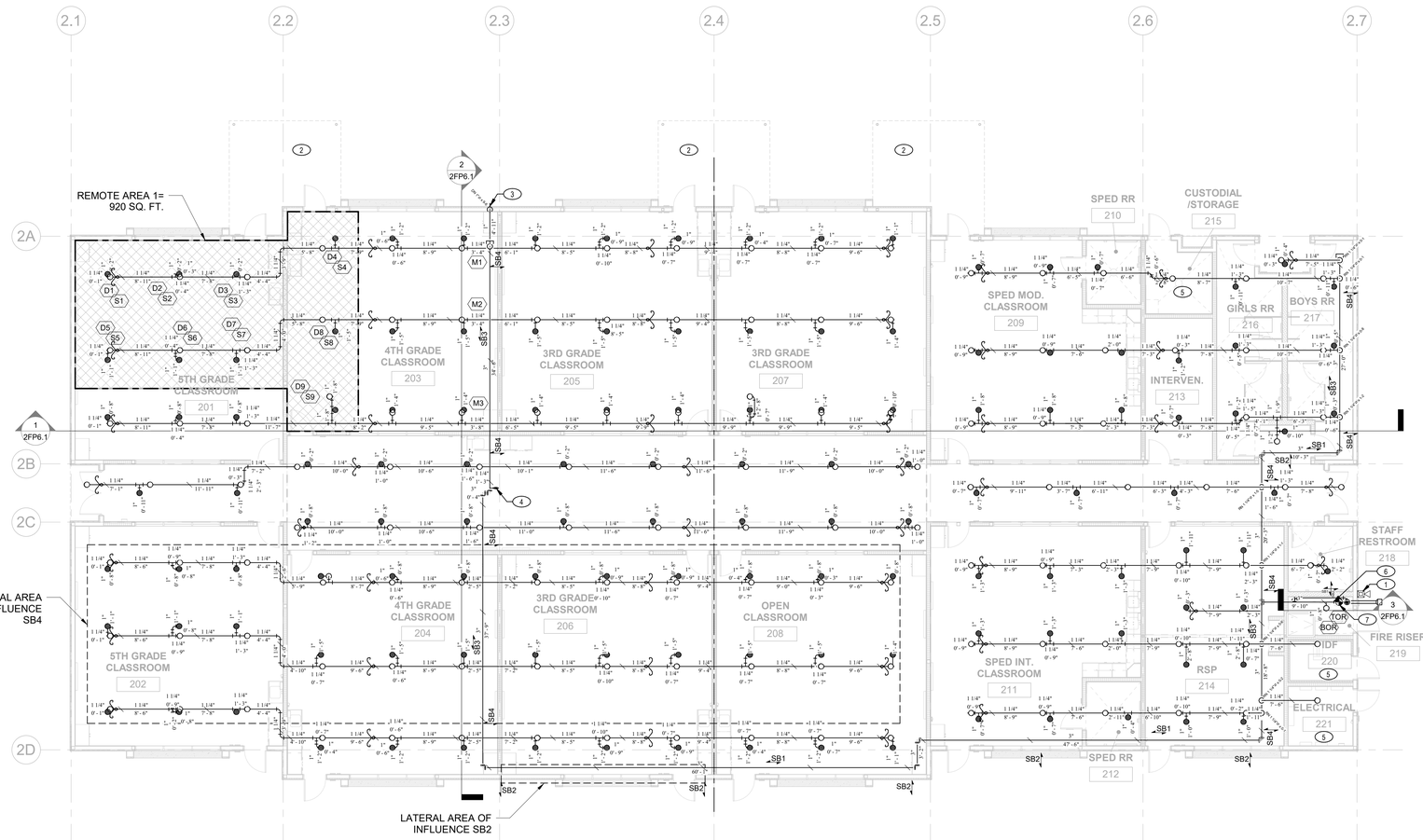
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

FIRE SPRINKLER REFLECTED CEILING PLAN ADMIN

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2FPA3.1
Drawn / Author	Checked / Checker

HYDRAULIC CALCULATION	
THIS BUILDING IS HYDRAULICALLY DESIGNED USING CRITERIA FROM NFPA 13, 2022 EDITION.	
LOCATION:	5TH GRADE CLASSROOM 201
REMOTE AREA #:	1
BASIS OF DESIGN	
HAZARD CLASSIFICATION:	LIGHT
DENSITY/AREA:	0.10
REMOTE AREA % INCREASE/DECREASE:	(-3(10'-0")(2)+55 = 40%
ACTUAL SIZE OF REMOTE AREA (SF):	920
SYSTEM DEMAND AT BASE OF RISER (BOR)	
PRESSURE REQUIRED (PSI):	36.1
FLOW REQUIRED (GPM):	151.4
ADDED HOSE - INSIDE: N/A OUTSIDE: 100	
SYSTEM DEMAND @ SOURCE (TEST)	
PRESSURE REQUIRED (PSI):	46.3
FLOW REQUIRED (GPM):	251.4
RESIDUAL PRESSURE (PSI):	64.4
SAFETY MARGIN (%):	28.0%
SPRINKLER HEAD(S)	
# OF SPRINKLERS CALCULATED	9
ORIFICE:	1/2"
K-FACTOR:	5.06
RESPONSE TYPE:	155F QR
ORIENTATION:	CONC PND
SIN #:	VK4621
MAXIMUM AREA PER SPRINKLER:	162 SQFT
MINIMUM PRESSURE REQUIRED:	7 PSI
MINIMUM DISCHARGE REQUIRED:	18.2 GPM



FIRE SPRINKLER HEAD SCHEDULE						
SYMBOL	TYPE	TEMP	ORF	K	FINISH	QUANTITY
○	VK300 QR SSU SPRINKLER	200	1/2"	5.6	BRASS	136
●	VK4621 QR CONC PND SPRINKLER WITH WHITE COVER PLATE	155	1/2"	5.6	BRASS	131

KEY NOTES

1. ALL WEATHER HORN STROBE MOUNTED TO EXTERIOR WALL FOR FLOW SWITCH
2. SPRINKLER HEADS OMITTED FROM BENEATH EXTERIOR PROJECTIONS WITH NON-COMBUSTIBLE OR LIMITED COMBUSTIBLE EXPOSED FINISH MATERIAL PER NFPA 13 (2022) SECTION 9.2.3.2
3. PROVIDE A 1" AUXILIARY DRAIN VALVE AND SIGN. ROUTE TO AN APPROVED DISCHARGE LOCATION
4. AUTOMATIC AIR VENT SHALL BE INSTALLED AT THE HIGHEST POINT ON A MAIN OR BRANCH LINE PIPE PER NFPA 13 (2022) SECTION 16.7
5. PROVIDE LISTED CHROME HEAD GUARDS FOR ALL SPRINKLER HEADS IN THIS SPACE
6. 4X3 CONCENTRIC REDUCER AFTER ELBOW
7. 4" SCH.10 BLK STEEL SPRINKLER SYSTEM RISER

GENERAL NOTES

A. ALL WALLS WILL BE FULL HEIGHT. UPRIGHT SPRINKLER HEADS ARE SPACED TO PROTECT THE AREA ABOVE THE CEILING IN EACH ROOM. SPRINKLER HEADS SHALL BE 1'-6" BELOW THE BOTTOM OF THE TGIS, AND NO MORE THAN 22" BELOW THE ROOF.
B.

1 FIRE SPRINKLER FLOOR PLAN - CLASSROOM

SCALE: 1/8" = 1'-0"

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Job #: 25-2132

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DATE SIGNED: 07/13/26	

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NO.	REMARKS	DATE

DRAWING STATUS

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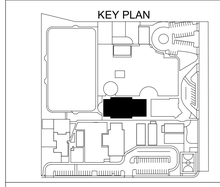
KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

FIRE SPRINKLER FLOOR PLAN CLASSROOM

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2FPB2.1
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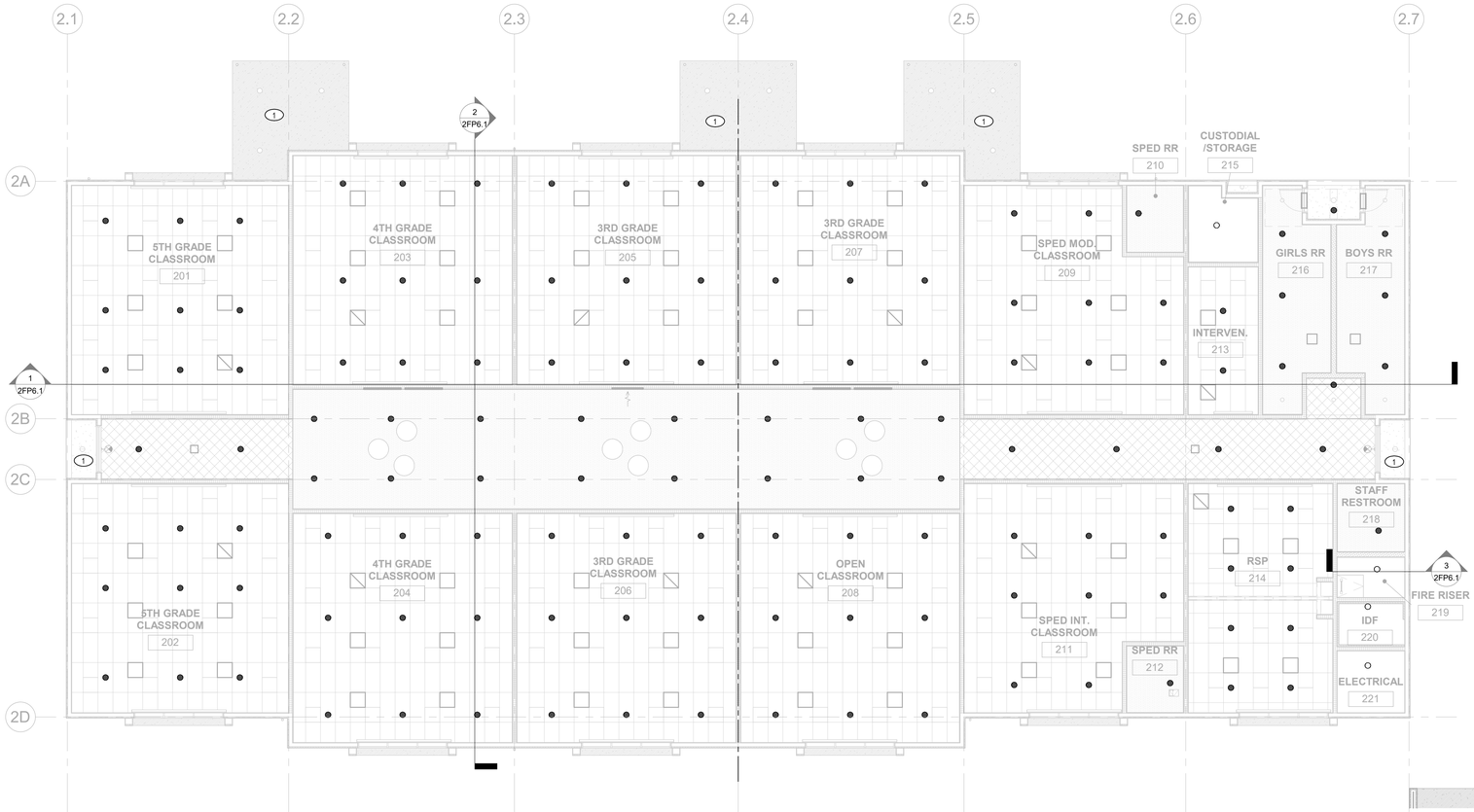
KEY NOTES

#	
1	SPRINKLER HEADS OMITTED FROM BENEATH EXTERIOR PROJECTIONS WITH NON-COMBUSTIBLE OR LIMITED COMBUSTIBLE EXPOSED FINISH MATERIAL PER NFPA 13 (2022) SECTION 9.2.3.2



1 FIRE SPRINKLER REFLECTED CEILING PLAN - CLASSROOM

SCALE: 1/8" = 1'-0"

N

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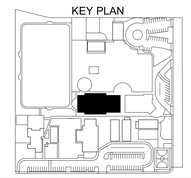

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1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

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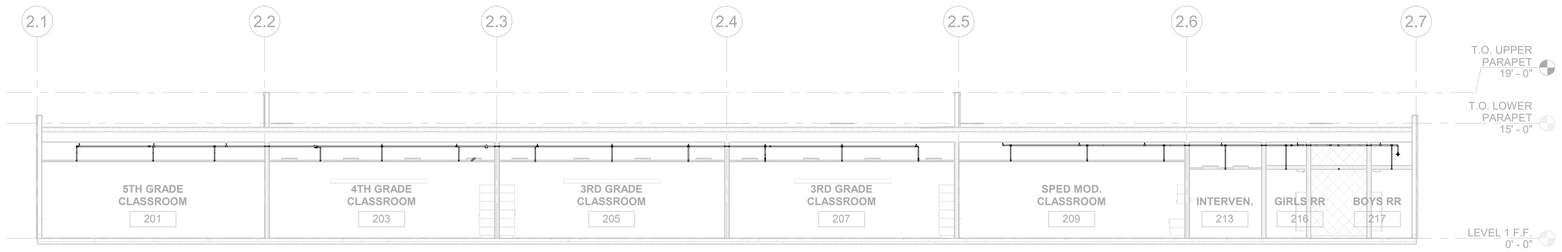
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

FIRE SPRINKLER REFLECTED CEILING PLAN CLASSROOM

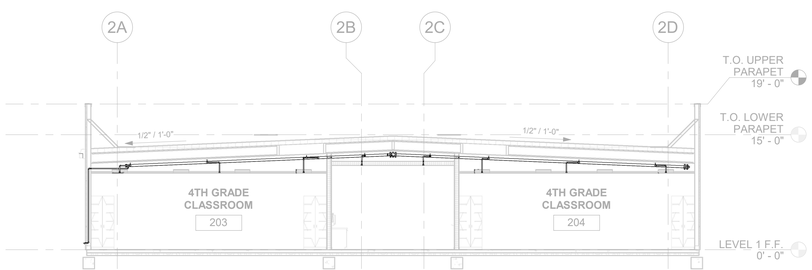
Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2FPB3.1
Drawn KT	Checked TH

KEY NOTES

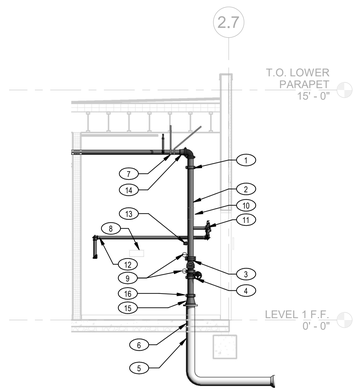
#	
1	FLEXIBLE COUPLING (WITHIN 24" OF TOP OF RISER)
2	4" SCH.10 BLK STEEL SPRINKLER SYSTEM RISER
3	CHECK VALVE
4	BUTTERFLY VALVE CONNECT TAMPER SWITCH TO FIRE ALARM SYSTEM
5	6" AMES IN BUILDING RISER- PIPE JOINTS SHALL NOT BE LOCATED DIRECTLY UNDER FOUNDATION
6	DIAMETER OF HOLE AT PENETRATION THROUGH SLAB TO BE 4" LARGER THAN PIPE PER NFPA 13 (2022) SEC. 18.4.2 AND FILLED WITH FLEXIBLE MATERIAL COMPATIBLE WITH PIPING MATERIAL PER NFPA 13 (2022) 18.4.8
7	FOUR WAY BRACE PER NFPA 13 (2022) SEC. 18.5.8.1. SEE 2FPB2.1 FOR BRACE TYPES USED.
8	SPARE SPRINKLER CABINET PER NFPA 13 (2022) SECTION 16.2.7.3 WITH SPRINKLER WRENCH AND STOCK OF SPARE SPRINKLERS LABEL (NO FEWER THAN 2 OF EACH TYPE)
9	PRESSURE GAUGE WITH GLOBE VALVE AND PLUG
10	HYDRAULIC DESIGN INFORMATION AND GENERAL INFORMATION SIGNS ATTACHED TO SYSTEM RISER PER NFPA 13 (2022) SECTION 29.4 AND 29.6
11	2" MAIN TEST & DRAIN WITH AGF MODEL 7000 PRESSURE RELIEF VALVE PROVIDE PERMANENTLY MARKED WEATHERPROOF METAL OR RIGID PLASTIC IDENTIFICATION SIGN PER NFPA 13 (2022) SEC. 16.9.11
12	2" SCH.40 DRAIN PIPE, ROUTE TO PLUMBING PROVIDED DRAIN HUB. SEE SHEET 2PB7.1 DETAIL #5 FOR LOCATION.
13	FLOW SWITCH CONNECT TO HORN STROBE AND FIRE ALARM SYSTEM
14	4X3 CONCENTRIC REDUCER AFTER ELBOW
15	6X4 GRV CONCENTRIC REDUCER
16	FLEXIBLE COUPLING (WITHIN 24" OF BOTTOM OF RISER)
17	3" SCH.10 BLK STEEL SPRINKLER SYSTEM RISER
18	1 1/4" MAIN TEST & DRAIN WITH AGF MODEL 7000 PRESSURE RELIEF VALVE PROVIDE PERMANENTLY MARKED WEATHERPROOF METAL OR RIGID PLASTIC IDENTIFICATION SIGN PER NFPA 13 (2022) SEC. 16.9.11
19	1 1/4" SCH.40 DRAIN PIPE
20	6X3 GRV CONCENTRIC REDUCER



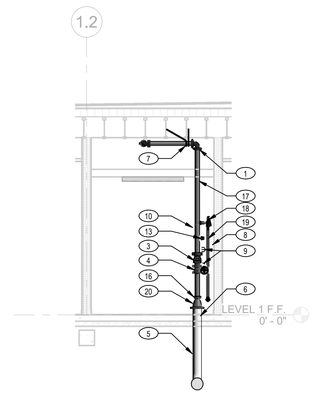
1 FIRE SPRINKLER SECTION 1
SCALE: 1/8" = 1'-0"



2 FIRE SPRINKLER SECTION 2
SCALE: 1/8" = 1'-0"



3 RISER SECTION @ CLASSROOM
SCALE: 1/4" = 1'-0"



4 RISER SECTION @ ADMIN
SCALE: 1/4" = 1'-0"

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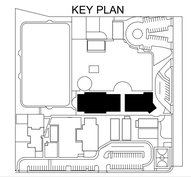

FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

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CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

FIRE SPRINKLER SECTIONS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2FP6.1
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TOLBrace™ Seismic Bracing Calculations

V8.8.144

Project Address: FCUSD Cordova ES
10359 S White Rock Rd,
Rancho Cordova, Ca
Job # 25-2132

Contractor: LP Consulting Engineers
Address: 1209 Pleasant Grove Ave.
Roseville, Ca, 95678
Phone: 916-771-0778
License:

Calculations based on 20220 NFPA Pamphlet #13

Brace Information

Maximum Brace Length	10' 6" (3.2 m)
Diameter of Brace	1"
Type of Brace	Sch.40
Angle of Brace	75° Min.
Least Rad. of Gyration	0.42" (11 mm)
L/R Value	300
Max Horizontal Load	713 lbs (323 kg)

Fastener Information

Orientation to Connecting Surface	NFPA Type I
Fastener	
Type	5/8in. x 1 1/2in. Thru Bolt
Diameter	5/8in.
Length	1 1/2in.
Maximum Load	380 lbs (172 kg)
Prying Factor	N/A

TOLCO™ Brace Components

TOLCO™ Component	Listed Load	Adjusted Load
Fig. 1001 Clamp	2000 lbs (907 kg)	1932 lbs (876 kg)
Fig.980 - 3/8" Universal Swivel	1600 lbs (726 kg)	1545 lbs (701 kg)

See Fastener Information

*Calculation Based on CONCENTRIC Loading
*Please Note: These calculations are for TOLCO™ components only. Use of any other components voids these calculations and the listing of the assembly.

Seismic Brace Assembly Detail

Brace Identification on Plans SB2
Brace Type Lateral [X] Longitudinal [ ] 4-Way [ ]

Sprinkler System Load Calculation (Fpw = CpWp)

Cp = 0.33

Diameter	Type	Length	Total Length	Weight Per Unit Length	Total Weight
3" (80 mm)	Sch. 10	40 ft (12.2 m)	40 ft (12.2 m)	7.94 lb/ft (11.82 kg/m)	318 lbs (144 kg)

Subtotal Weight	318 lbs (144 kg)
Wp (incl. 15%)	366 lbs (166 kg)
Total (Fpw)	121 lbs (55 kg)
Maximum Fpw per 18.5.5.2 (if applicable)	276 lb (125 kg)

Main Size	Type/Sch.	Spacing (ft)
3"	Sch. 10	40

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TOLBrace™ Seismic Bracing Calculations

V8.8.144

Project Address: FCUSD Cordova ES
10359 S White Rock Rd,
Rancho Cordova, Ca
Job # 25-2132

Contractor: LP Consulting Engineers
Address: 1209 Pleasant Grove Ave.
Roseville, Ca, 95678
Phone: 916-771-0778
License:

Calculations based on 20220 NFPA Pamphlet #13

Brace Information

Maximum Brace Length	10' 6" (3.2 m)
Diameter of Brace	1"
Type of Brace	Sch.40
Angle of Brace	60° Min.
Least Rad. of Gyration	0.42" (11 mm)
L/R Value	300
Max Horizontal Load	713 lbs (323 kg)

Fastener Information

Orientation to Connecting Surface	NFPA Type I
Fastener	
Type	5/8in. x 1 1/2in. Thru Bolt
Diameter	5/8in.
Length	1 1/2in.
Maximum Load	380 lbs (172 kg)
Prying Factor	N/A

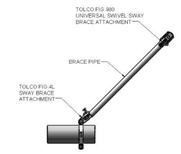
TOLCO™ Brace Components

TOLCO™ Component	Listed Load	Adjusted Load
Fig. 4L Clamp	2000 lbs (907 kg)	1732 lbs (786 kg)
Fig.980 - 3/8" Universal Swivel	1600 lbs (726 kg)	1386 lbs (629 kg)

See Fastener Information

*Calculation Based on CONCENTRIC Loading
*Please Note: These calculations are for TOLCO™ components only. Use of any other components voids these calculations and the listing of the assembly.

Seismic Brace Assembly Detail



Brace Identification on Plans SB1
Brace Type Lateral [ ] Longitudinal [X] 4-Way [ ]

Sprinkler System Load Calculation (Fpw = CpWp)

Cp = 0.33

Diameter	Type	Length	Total Length	Weight Per Unit Length	Total Weight
3" (80 mm)	Sch. 10	40 ft (12.2 m)	40 ft (12.2 m)	7.94 lb/ft (11.82 kg/m)	318 lbs (144 kg)

Subtotal Weight	318 lbs (144 kg)
Wp (incl. 15%)	366 lbs (166 kg)
Total (Fpw)	121 lbs (55 kg)
Maximum Fpw per 18.5.5.2 (if applicable)	N/A

Main Size	Type/Sch.	Spacing (ft)
3"	Sch. 10	40

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ASCE Hazards Report

Address:
10359 S White Rock Rd
Rancho Cordova, California
95670

Standard: ASCE/SEI 7-16
Risk Category: III
Soil Class: D - Default (see Section 11.4.3)

Latitude: 38.57888
Longitude: -121.299714
Elevation: 96.8828132183601 6 ft (NAVD 88)

TOLBrace™ Seismic Calculation

FCUSD Cordova ES Job # 25-2132
10359 S White Rock Rd,

Brace Identification	SB2
Brace Type (Per NFPA#13)	NFPA Type I
Braced Pipe (ft)	3" Sch.10 Steel Pipe
Spacing of Brace	40' 0" (12.19 m)
Orientation of Brace	Lateral
Bracing Material	1" Sch.40
Maximum Brace Length	10' 6" (3.2 m)
Slenderness Ratio used for Load Calculation	300
True Angle of Brace for Calculation	75°
Type of Fastener	5/8in. x 1 1/2in. Thru Bolt
Length of Fastener	1 1/2in.

Summary of Pipe within Zone of Influence

3" Sch.10 Steel Pipe (76.2 mm)	40 ft (12.2 m)

G-Factor Used	0.33
Allowance for Heads and Fittings	15%
Conclusions	
Total Adjusted Load of Pipe in Zone of Influence	121 lbs (55 kg)
Material Capacity	713 lbs (323 kg)
Fastener Capacity	380 lbs (172 kg)
Fig. 1001 Clamp	1932 lbs (876 kg)
Fig.980 - 3/8" Universal Swivel	1545 lbs (701 kg)
Structural Member	Wood Joist

Calculations prepared by Ken Thomas

* The description of the Structural Member is for informational purposes only.
TOLBrace™ software calculates the brace assembly only, not the structure it is attached to.
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TOLBrace™ Seismic Calculation

FCUSD Cordova ES Job # 25-2132
10359 S White Rock Rd,

Brace Identification	SB1
Brace Type (Per NFPA#13)	NFPA Type I
Braced Pipe (ft)	3" Sch.10 Steel Pipe
Spacing of Brace	40' 0" (12.19 m)
Orientation of Brace	Longitudinal
Bracing Material	1" Sch.40
Maximum Brace Length	10' 6" (3.2 m)
Slenderness Ratio used for Load Calculation	300
True Angle of Brace for Calculation	60°
Type of Fastener	5/8in. x 1 1/2in. Thru Bolt
Length of Fastener	1 1/2in.

Summary of Pipe within Zone of Influence

3" Sch.10 Steel Pipe (76.2 mm)	40 ft (12.2 m)

G-Factor Used	0.33
Allowance for Heads and Fittings	15%
Conclusions	
Total Adjusted Load of Pipe in Zone of Influence	121 lbs (55 kg)
Material Capacity	713 lbs (323 kg)
Fastener Capacity	380 lbs (172 kg)
Fig. 4L Clamp	1732 lbs (786 kg)
Fig.980 - 3/8" Universal Swivel	1386 lbs (629 kg)
Structural Member	Wood Joist

Calculations prepared by Ken Thomas

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Seismic

Site Soil Class: D - Default (see Section 11.4.3)
Results:

S_S :	0.46	S_{DI} :	N/A
S_1 :	0.225	T_L :	12
F_a :	1.432	PGA :	0.194
F_v :	N/A	PGA_M :	0.274
S_{MS} :	0.659	F_{PGA} :	1.412
S_{M1} :	N/A	I_e :	1.25
S_{DS} :	0.439	C_v :	1.007

Ground motion hazard analysis may be required. See ASCE/SEI 7-16 Section 11.4.8.
Data Accessed: Wed Oct 22 2025
Date Source: USGS Seismic Design Maps

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STUDIO W ARCHITECTS

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1209 Pleasant Grove Blvd.
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www.lpengineers.com
Job #: 25-2132

ARCHITECT	ENGINEER
LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Ren. 9/30/27 STATE OF CALIFORNIA	REGISTERED PROFESSIONAL ENGINEER SEAN P. BOURUAIL M 32311 REN. 6-30-27 MECHANICAL STATE OF CALIFORNIA
DATE SIGNED: 07/13/2026	

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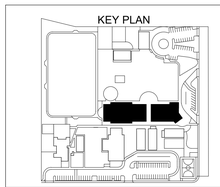
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

SEISMIC CALCULATIONS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2FP9.1
Drawn KT	Checked TH

PRINT DATE: 7/9/2026 12:57:37 PM
FILE PATH: Autodesk Docs://25-2132 FCUSD Cordova Villa ES/25-2132 FCUSD Cordova ES MP+FP_r23.rvt

TOLBrace™ Seismic Bracing Calculations

V8.8.144

Project Address: FCUSD Cordova ES
10359 S White Rock Rd,
Rancho Cordova, Ca
Job # 25-2132

Contractor: LP Consulting Engineers
Address: 1209 Pleasant Grove Ave.
Roseville, Ca, 95678
Phone: 916-771-0778
License:

Calculations based on 20220 NFPA Pamphlet #13

Brace Information

Maximum Brace Length	10' 6" (3.2 m)
Diameter of Brace	1"
Type of Brace	Sch.40
Angle of Brace	75° Min.
Least Rad. of Gyration	0.42" (11 mm)
L/R Value	300
Max Horizontal Load	713 lbs (323 kg)

Fastener Information

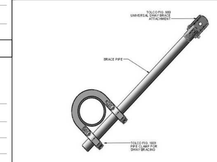
Orientation to Connecting Surface	NFPA Type I
Fastener	
Type	5/8in. x 1 1/2in. Thru Bolt
Diameter	5/8in.
Length	1 1/2in.
Maximum Load	380 lbs (172 kg)
Prying Factor	N/A

TOLCO™ Brace Components

TOLCO™ Component	Listed Load	Adjusted Load
Fig. 1001 Clamp	2000 lbs (907 kg)	1932 lbs (876 kg)
Fig.980 - 3/8" Universal Swivel	1600 lbs (726 kg)	1545 lbs (701 kg)
See Fastener Information		

*Calculation Based on CONCENTRIC Loading
*Please Note: These calculations are for TOLCO™ components only. Use of any other components voids these calculations and the listing of the assembly.

Seismic Brace Assembly Detail



Brace Identification on Plans SB4
Brace Type Lateral [X] Longitudinal [ ] 4-Way [ ]

Sprinkler System Load Calculation (Fpw = CpWp)

Cp = 0.33

Diameter	Type	Length	Total Length	Weight Per Unit Length	Total Weight
3" (80 mm)	Sch. 10	25 ft (7.6 m)	25 ft (7.6 m)	7.94 lb/ft (11.82 kg/m)	198 lbs (90 kg)
1.25" (32 mm)	Sch. 10	213 ft (64.9 m)	213 ft (64.9 m)	2.52 lb/ft (3.75 kg/m)	537 lbs (244 kg)
1" (25 mm)	Sch. 40	64 ft (19.5 m)	64 ft (19.5 m)	2.05 lb/ft (3.05 kg/m)	131 lbs (59 kg)
				Subtotal Weight	866 lbs (393 kg)
				Wp (incl. 15%)	996 lbs (452 kg)
				Total (Fpw)	329 lbs (149 kg)
				Maximum Fpw per 18.5.5.2 (if applicable)	469 lb (212 kg)

Main Size	Type/Sch.	Spacing (ft)
3"	Sch. 10	25

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TOLBrace™ Seismic Bracing Calculations

V8.8.144

Project Address: FCUSD Cordova ES
10359 S White Rock Rd,
Rancho Cordova, Ca
Job # 25-2132

Contractor: LP Consulting Engineers
Address: 1209 Pleasant Grove Ave.
Roseville, Ca, 95678
Phone: 916-771-0778
License:

Calculations based on 20220 NFPA Pamphlet #13

Brace Information

Maximum Brace Length	10' 6" (3.2 m)
Diameter of Brace	1"
Type of Brace	Sch.40
Angle of Brace	60° Min.
Least Rad. of Gyration	0.42" (11 mm)
L/R Value	300
Max Horizontal Load	713 lbs (323 kg)

Fastener Information

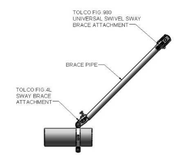
Orientation to Connecting Surface	NFPA Type I
Fastener	
Type	5/8in. x 1 1/2in. Thru Bolt
Diameter	5/8in.
Length	1 1/2in.
Maximum Load	380 lbs (172 kg)
Prying Factor	N/A

TOLCO™ Brace Components

TOLCO™ Component	Listed Load	Adjusted Load
Fig. 4L Clamp	2000 lbs (907 kg)	1732 lbs (786 kg)
Fig.980 - 3/8" Universal Swivel	1600 lbs (726 kg)	1386 lbs (629 kg)
See Fastener Information		

*Calculation Based on CONCENTRIC Loading
*Please Note: These calculations are for TOLCO™ components only. Use of any other components voids these calculations and the listing of the assembly.

Seismic Brace Assembly Detail



Brace Identification on Plans SB3
Brace Type Lateral [ ] Longitudinal [X] 4-Way [ ]

Sprinkler System Load Calculation (Fpw = CpWp)

Cp = 0.33

Diameter	Type	Length	Total Length	Weight Per Unit Length	Total Weight
3" (80 mm)	Sch. 10	40 ft (12.2 m)	40 ft (12.2 m)	7.94 lb/ft (11.82 kg/m)	318 lbs (144 kg)
				Subtotal Weight	318 lbs (144 kg)
				Wp (incl. 15%)	366 lbs (166 kg)
				Total (Fpw)	121 lbs (55 kg)
				Maximum Fpw per 18.5.5.2 (if applicable)	N/A

Main Size	Type/Sch.	Spacing (ft)
3"	Sch. 10	40

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TOLBrace™ Seismic Calculation

FCUSD Cordova ES Job # 25-2132
10359 S White Rock Rd,

Brace Identification	SB4
Brace Type (Per NFPA#13)	NFPA Type I
Braced Pipe (ft)	3" Sch.10 Steel Pipe
Spacing of Brace	25' 0" (7.62 m)
Orientation of Brace	Lateral
Bracing Material	1" Sch.40
Maximum Brace Length	10' 6" (3.2 m)
Slenderness Ratio used for Load Calculation	300
True Angle of Brace for Calculation	75°
Type of Fastener	5/8in. x 1 1/2in. Thru Bolt
Length of Fastener	1 1/2in.

Summary of Pipe within Zone of Influence

3" Sch.10 Steel Pipe (76.2 mm)	25 ft (7.6 m)
1.25" Sch.10 Steel Pipe (31.75 mm)	213 ft (64.9 m)
1" Sch.40 Steel Pipe (25.4 mm)	64 ft (19.5 m)

G-Factor Used	0.33
Allowance for Heads and Fittings	15%
Conclusions	
Total Adjusted Load of Pipe in Zone of Influence	329 lbs (149 kg)
Material Capacity	713 lbs (323 kg)
Fastener Capacity	380 lbs (172 kg)
Fig. 1001 Clamp	1932 lbs (876 kg)
Fig.980 - 3/8" Universal Swivel	1545 lbs (701 kg)
Structural Member	Wood Joist

Calculations prepared by Ken Thomas

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TOLBrace™ Seismic Calculation

FCUSD Cordova ES Job # 25-2132
10359 S White Rock Rd,

Brace Identification	SB3
Brace Type (Per NFPA#13)	NFPA Type I
Braced Pipe (ft)	3" Sch.10 Steel Pipe
Spacing of Brace	40' 0" (12.19 m)
Orientation of Brace	Longitudinal
Bracing Material	1" Sch.40
Maximum Brace Length	10' 6" (3.2 m)
Slenderness Ratio used for Load Calculation	300
True Angle of Brace for Calculation	60°
Type of Fastener	5/8in. x 1 1/2in. Thru Bolt
Length of Fastener	1 1/2in.

Summary of Pipe within Zone of Influence

3" Sch.10 Steel Pipe (76.2 mm)	40 ft (12.2 m)

G-Factor Used	0.33
Allowance for Heads and Fittings	15%
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DATE SIGNED: 07/13/2026	

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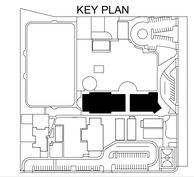
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

SEISMIC CALCULATIONS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2FP9.2
Drawn KT	Checked TH

PRINT DATE: 7/9/2026 12:57:38 PM
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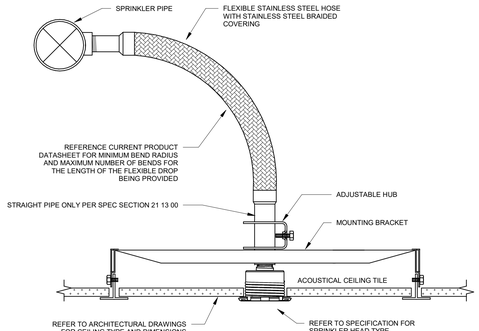
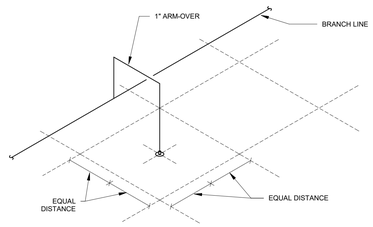


NOTES:

1. ONLY TOP OR SIDE TAKE-OFFS SHALL BE PERMITTED.

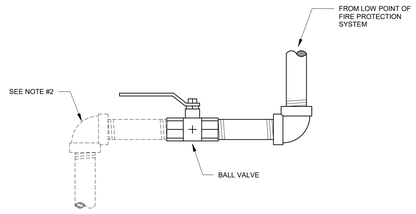
FLEXIBLE SRPINKLER DROP TO ACT — NTS — 10



NOTES:

1. IF THE MAXIMUM PRESSURE AT THE SPRINKLER EXCEEDS 100 PSI, THE UNSUPPORTED LENGTH BETWEEN THE END SPRINKLER IN A PENDENT POSITION OR DROP NIPPLE AND THE LAST HANGER ON THE BRANCH LINE SHALL NOT BE GREATER THAN 12 INCHES.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION ABOUT CEILING TYPES.

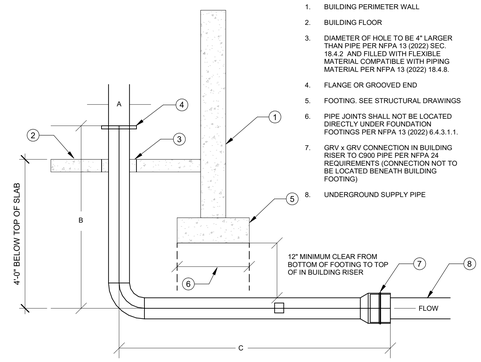
CENTER OF TILE 2 X 2 — NTS — 7



NOTES:

1. FOR DRAINING UP TO 50 GALLONS OF TRAPPED WATER, PROVIDE A PLUG AT THE BALL VALVE.
2. FOR DRAINING 50 GALLONS OR MORE, ROUTE DRAIN PIPING TO DISCHARGE TO AN APPROVED LOCATION.

AUXILIARY DRAIN — NTS — 4

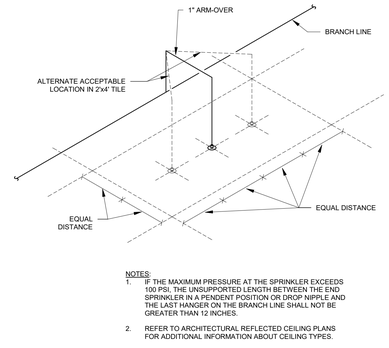


1. BUILDING PERIMETER WALL
2. BUILDING FLOOR
3. DIAMETER OF HOLE TO BE 4" LARGER THAN PIPE PER NFPA 13 (2022) SEC. 18.4.2 AND FILLED WITH FLEXIBLE MATERIAL COMPATIBLE WITH PIPING MATERIAL PER NFPA 13 (2022) 18.4.8.
4. FLANGE OR GROOVED END
5. FOOTING. SEE STRUCTURAL DRAWINGS
6. PIPE JOINTS SHALL NOT BE LOCATED DIRECTLY UNDER FOUNDATION FOOTINGS PER NFPA 13 (2022) 6.4.3.1.1.
7. GRV x GRV CONNECTION IN BUILDING RISER TO G300 PIPE PER NFPA 24 REQUIREMENTS (CONNECTION NOT TO BE LOCATED BENEATH BUILDING FOOTING)
8. UNDERGROUND SUPPLY PIPE

SIZE (DN)		A (OD)		B		C		WEIGHT	
IN.	MM	IN.	MM	FT	CM	FT	CM	LBS	KG
6	150	6 5/8	168	6	183	6	183	98	44

NOTE: EACH B (VERTICAL) AND C (HORIZONTAL) LEG IS CUSTOMIZABLE FROM 3' TO 20' WITH ULI/M APPROVALS.

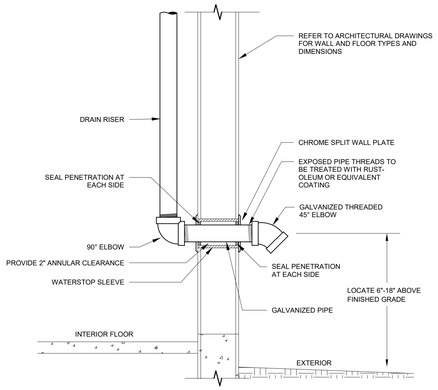
AMES IN BUILDING RISER DETAIL — NTS — 1



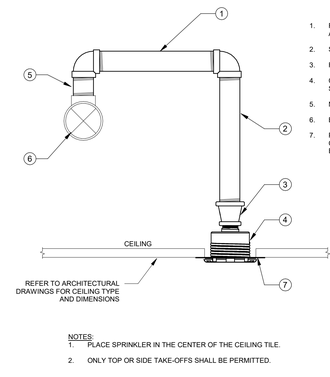
NOTES:

1. IF THE MAXIMUM PRESSURE AT THE SPRINKLER EXCEEDS 100 PSI, THE UNSUPPORTED LENGTH BETWEEN THE END SPRINKLER IN A PENDENT POSITION OR DROP NIPPLE AND THE LAST HANGER ON THE BRANCH LINE SHALL NOT BE GREATER THAN 12 INCHES.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION ABOUT CEILING TYPES.

CENTER OF TILE 2 X 4 — NTS — 8



EXTERIOR DRAIN THROUGH WALL — NTS — 5

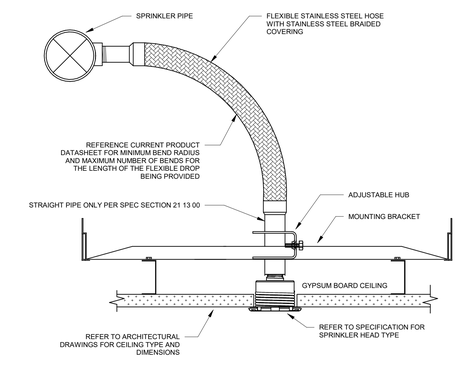


1. RETURN BEND ARRANGEMENT
2. SPRINKLER DROP
3. REDUCER
4. CONCEALED PENDENT SPRINKLER HEAD
5. NIPPLE
6. BRANCH LINE
7. PROVIDE 1" ANNULAR CLEARANCE AND EXPANSION PLATE

NOTES:

1. PLACE SPRINKLER IN THE CENTER OF THE CEILING TILE.
2. ONLY TOP OR SIDE TAKE-OFFS SHALL BE PERMITTED.

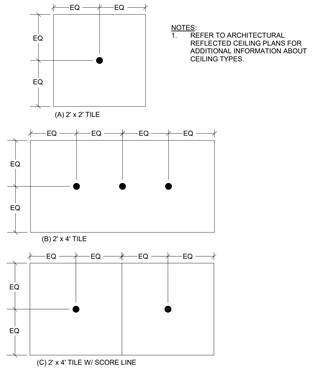
SPRINKLER HEAD - CONCEALED — NTS — 2



NOTES:

1. ONLY TOP OR SIDE TAKE-OFFS SHALL BE PERMITTED.

FLEXIBLE SPRINKLER DROP FOR GYP CEILING — NTS — 9

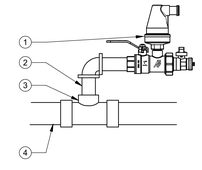


NOTES:

1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION ABOUT CEILING TYPES.

CENTER OF TILE — NTS — 6

1. AGF AUTOMATIC AIR VENTING VALVE
2. 1" SCH. 40 (TYP.)
3. TEE.
4. PIPING.



AUTOMATIC AIR VENTING VALVE — NTS — 3

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Job #: 25-2132

ARCHITECT	ENGINEER
LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Ren. 9/30/27 STATE OF CALIFORNIA	REGISTERED PROFESSIONAL ENGINEER SEAN ROURKE M 32311 REN. 6-30-27 MECHANICAL STATE OF CALIFORNIA
DATE SIGNED: 07/13/2026	

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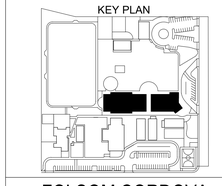
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

FIRE SPRINKLER DETAILS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2FP10.2.1
Drawn: KT	Checked: TH

PRINT DATE: 7/9/2026 12:57:40 PM
FILE PATH: Autodesk Docs://25-2132 FCUSD Cordova Villa ES/25-2132 FCUSD Cordova ES MP+FP_r23.rvt

NFPA 13 TABLE 17.2.1.1

HANGER ROD SIZES

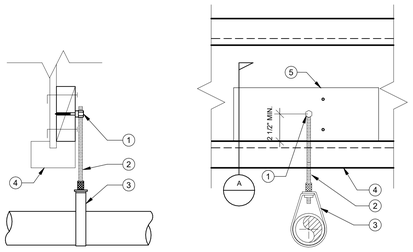
NOMINAL PIPE SIZE (IN.)	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"	5"	6"	8"
ROD SIZE	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"

NFPA 13 TABLE 17.4.2.1(a)

MAXIMUM DISTANCE BETWEEN HANGERS

NOMINAL PIPE SIZE (IN.)	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"	5"	6"	8"
STEEL PIPE EXCEPT THREADED LIGHTWALL	12-0"	12-0"	15-0"	15-0"	15-0"	15-0"	15-0"	15-0"	15-0"	15-0"	15-0"
STEEL PIPE THREADED LIGHTWALL	12-0"	12-0"	12-0"	12-0"	12-0"	12-0"	N/A	N/A	N/A	N/A	N/A

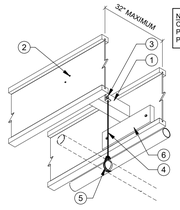
NFPA HANGER SPACING & ROD SIZE TABLES | NTS | 7



SECTION A

1. SAMMY MODEL SWG 20
2. 3/8" ALL THREAD ROD
3. TOLCO FIG. 200 ADJUSTABLE BAND HANGER
4. I-JOIST
5. 2x6 x 18" LONG FILLER BLOCK FASTENED WITH (2) 10d NAILS, CLINCHED
6. MAX SPACING PER NFPA 13 TABLE 17.4.2.1(a)
7. MAXIMUM PIPE SIZE NOT TO EXCEED 3" SCH 10 (8LBS/FT MAX) PER SEOR

SAMMY SIDEWINDER FOR I JOIST | NTS | 8



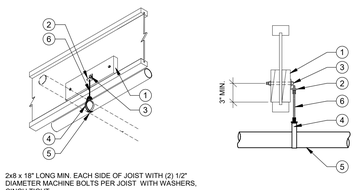
NOTE:
CENTER THE SPRINKLER PIPE SUPPORT (PARALLEL OR PERPENDICULAR) BETWEEN JOISTS

1. MINIMUM 4x4 NO. 2 GRADE DOUGLAS FIR OR SOUTHERN PINE OR BETTER (MAX. 32" BETWEEN JOISTS)
2. TWO 16D 3 1/2" COMMON NAILS
3. TOLCO FIG. 58 THREADED SIDE BEAM BRACKET WITH FASTENER AS REQUIRED. SEE TABLE. LOCATE FASTENER APPROXIMATELY 1" FROM THE TOP OF THE BLOCK
4. TOLCO FIG. 99 1/2" THREADED ROD
5. TOLCO FIG. 200 ADJUSTABLE BAND HANGER
6. 2x6 x 18" LONG MIN. (RESTING ON BOTTOM FLANGE) WITH (2) 3/8" DIAMETER MACHINE BOLTS PER JOIST WITH 1" WASHERS
7. MAX SPACING PER NFPA 13 TABLE 17.4.2.1(a)
8. MAXIMUM PIPE SIZE NOT TO EXCEED 3" SCH 10 (8LBS/FT MAX) PER SEOR

TABLE	
PIPE SIZE	FASTENER
3"	1/2" x 3" LAG

* REQUIRES MIN. DOUGLAS FIR #2

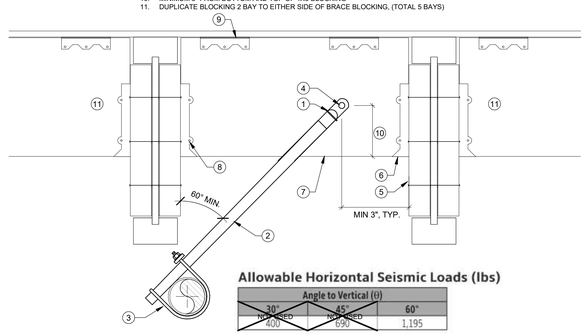
HANGER TO I JOIST 3" MAX. PIPE DIA | NTS | 9



1. 2x8 x 18" LONG MIN. EACH SIDE OF JOIST WITH (2) 1/2" DIAMETER MACHINE BOLTS PER JOIST WITH WASHERS, CINCH TIGHT
2. TOLCO FIG. 58 THREADED SIDE BEAM BRACKET WITH FASTENER AS REQUIRED
3. 1/2" DIAMETER BOLT WITH WASHERS TURNED TIGHT
4. TOLCO FIG. 200 ADJUSTABLE BAND HANGER
5. PIPE (MAY BE SUPPORTED PERPENDICULAR OR PARALLEL TO JOIST RUN)
6. 3/8" THREADED ROD
7. MAX SPACING PER NFPA 13 TABLE 17.4.2.1(a)
8. MAXIMUM PIPE SIZE NOT TO EXCEED 3" SCH 10 (8LBS/FT MAX) PER SEOR

ROD WITH SIDE TO I JOIST 3" MAX PIPE DIA | NTS | 10

1. TOLCO FIG. 980 UNIVERSAL SWAY ATTACHMENT
2. BRACE PIPE - 1" SCH. 40 - 10'-6" MAX
3. TOLCO FIG. 1001 PIPE CLAMP
4. 5/8" THROUGH BOLT FASTENER MUST BE MINIMUM 7 DIAMETERS FROM END OF BLOCK AND MINIMUM 4 DIAMETERS FROM ALL OTHER EDGES.
5. SEE SHEET 254.0 DETAIL #8 FOR FILLER DETAIL
6. SIMPSON STRONG LUS48 HANGER
7. 4"x 8" HANGER BLOCK
8. NAIL THROUGH BLKG WITH (10) 16d
9. 4X8 HANGER BLOCK ATTACHED TO SURFACE OF DECK WITH (2) A35 STAGGERED ON EACH SIDE w/ (12) PH612I #6 x 1/2" SCREWS
10. MINIMUM 3" FROM BOTTOM AND TOP OF 4X8 BLOCKING
11. DUPLICATE BLOCKING 2 BAY TO EITHER SIDE OF BRACE BLOCKING, (TOTAL 5 BAYS)



Allowable Horizontal Seismic Loads (lbs)

Angle to Vertical (θ)			
30°	45°		60°
NOT PERMITTED	NOT PERMITTED		1,195
400	690		

SB4

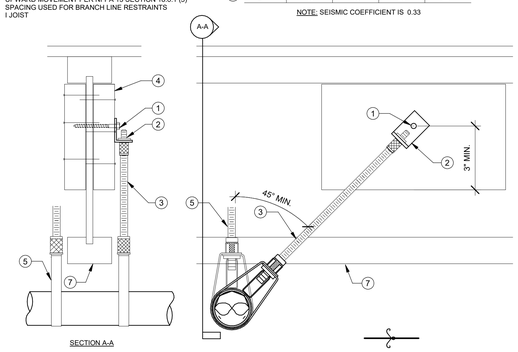
LATERAL BRACE TO I JOIST | NTS | 4

1. 1/2" x 2" LAG SCREW WITH FULL EMBEDMENT
2. TOLCO FIG. 58 THREADED SIDE BEAM BRACKET CENTERED HORIZONTALLY ON BLOCKING
3. 3/8" TOLCO FIG. 99 ALL THREAD ROD WITH SURGE RESTRAINER
4. 2 x 6 x 12 BLOCKING (EACH SIDE OF JOIST) - FACE NAILED WITH (6) 8d THROUGH JOIST AND INTO BLOCKING ON OTHER SIDE OF JOIST ON EITHER END
5. HANGER (BEYOND) WITHIN 6 IN. OF RESTRAINT INSTALL WITH SURGE RESTRAINER TO RESIST UPWARD MOVEMENT PER NFPA 13 SECTION 18.6.1 (5)
6. SPACING USED FOR BRANCH LINE RESTRAINTS
7. I JOIST

NFPA 13 (2022) TABLE 18.6.4 (a) MAXIMUM SPACING (ft) OF STEEL BRANCH LINE RESTRAINTS

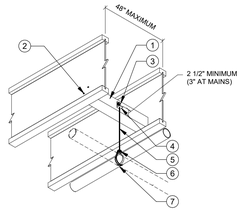
PIPE (in.)	Seismic Coefficient (C_p)			
	$C_p \leq 0.50$	$0.5 < C_p \leq 0.71$	$0.71 < C_p \leq 1.40$	$C_p > 1.40$
1	43	36	26	22
1 1/4	46	39	27	24
1 1/2	49	41	29	25
2	53	45	31	27

NOTE: SEISMIC COEFFICIENT IS 0.33



SECTION A-A

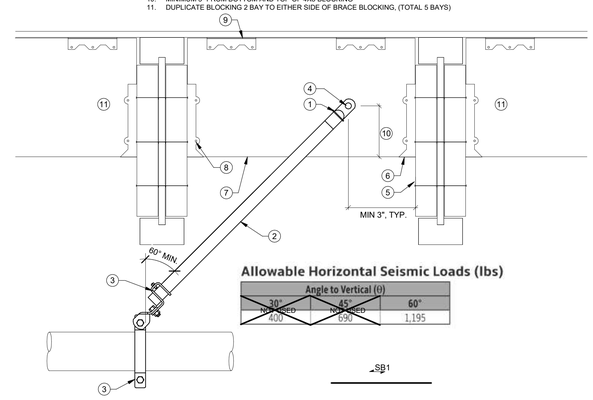
ROD RESTRAINT AT I JOIST | NTS | 5



1. MINIMUM 4x4 HANGER BLOCK
2. TWO 16D 3 1/2" NAILS EACH END
3. 3" LAG SCREW. 1/4" PILOT HOLE FOR THE 1/2" LAG.
4. TOLCO FIG. 58 THREADED SIDE BEAM BRACKET
5. 3/8" THREADED ROD
6. TOLCO FIG. 200 ADJUSTABLE BAND HANGER
7. PIPE (MAY BE SUPPORTED PERPENDICULAR OR PARALLEL TO JOIST RUN)
8. MAX SPACING PER NFPA 13 TABLE 17.4.2.1(a)
9. MAXIMUM PIPE SIZE NOT TO EXCEED 3" SCH 10 (8LBS/FT MAX) PER SEOR

HANGER TO I JOIST UP TO 3" MAX. PIPE DIA. | NTS | 6

1. TOLCO FIG. 980 UNIVERSAL SWAY ATTACHMENT
2. BRACE PIPE - 1" SCH. 40 - 10'-6" MAX
3. TOLCO FIG. 4L PIPE CLAMP
4. 5/8" THROUGH BOLT FASTENER MUST BE MINIMUM 7 DIAMETERS FROM END OF BLOCK AND MINIMUM 4 DIAMETERS FROM ALL OTHER EDGES.
5. SEE SHEET 254.0 DETAIL #8 FOR FILLER DETAIL
6. SIMPSON STRONG LUS48 HANGER
7. 4"x 8" HANGER BLOCK
8. NAIL THROUGH BLKG WITH (10) 16d
9. 4X8 HANGER BLOCK ATTACHED TO SURFACE OF DECK WITH (2) A35 STAGGERED ON EACH SIDE w/ (12) PH612I #6 x 1/2" SCREWS
10. MINIMUM 3" FROM BOTTOM AND TOP OF 4X8 BLOCKING
11. DUPLICATE BLOCKING 2 BAY TO EITHER SIDE OF BRACE BLOCKING, (TOTAL 5 BAYS)



Allowable Horizontal Seismic Loads (lbs)

Angle to Vertical (θ)			
30°	45°		60°
NOT PERMITTED	NOT PERMITTED		1,195
400	690		

SB1

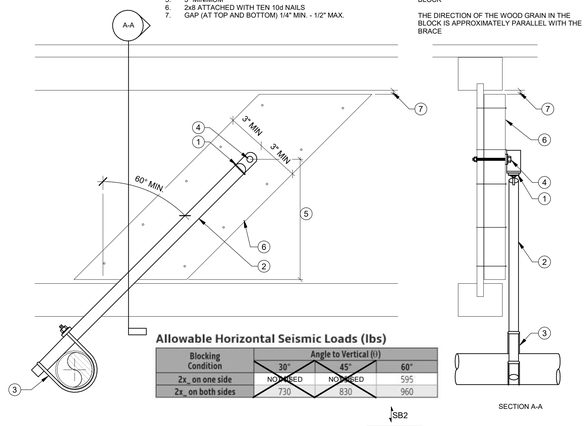
LONGITUDINAL BRACE TO I JOIST | NTS | 1

1. TOLCO FIG. 980 UNIVERSAL SWAY ATTACHMENT.
2. BRACE PIPE - 1" SCH. 40 - 10'-6" MAX.
3. TOLCO FIG. 1001 PIPE CLAMP.
4. 5/8" THROUGH BOLT.
5. 3" MINIMUM
6. 2x8 ATTACHED WITH TEN 10d NAILS
7. GAP (AT TOP AND BOTTOM) 1/4" MIN. - 1/2" MAX.

GENERAL NOTES:

MAKE CONNECTION IN TOP HALF OF BLOCK, CENTERED AT LEAST 4" FROM THE END OF THE BLOCK

THE DIRECTION OF THE WOOD GRAIN IN THE BLOCK IS APPROXIMATELY PARALLEL WITH THE BRACE



Allowable Horizontal Seismic Loads (lbs)

Blocking Condition	Angle to Vertical (θ)		
	30°	45°	60°
2x_ on one side	NOT PERMITTED	NOT PERMITTED	595
2x_ on both sides	730	830	960

SB2

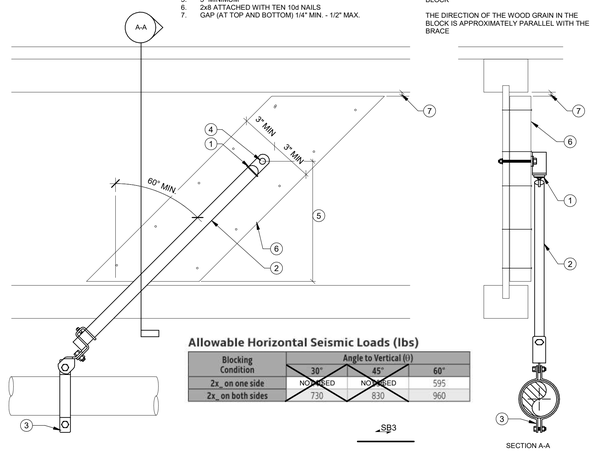
LATERAL BRACE PIPE TO I JOIST | NTS | 2

1. TOLCO FIG. 980 UNIVERSAL SWAY ATTACHMENT.
2. BRACE PIPE - 1" SCH. 40 - 10'-6" MAX.
3. TOLCO FIG. 4L PIPE CLAMP.
4. 5/8" THROUGH BOLT.
5. 3" MINIMUM
6. 2x8 ATTACHED WITH TEN 10d NAILS
7. GAP (AT TOP AND BOTTOM) 1/4" MIN. - 1/2" MAX.

GENERAL NOTES

MAKE CONNECTION IN TOP HALF OF BLOCK, CENTERED AT LEAST 4" FROM THE END OF THE BLOCK

THE DIRECTION OF THE WOOD GRAIN IN THE BLOCK IS APPROXIMATELY PARALLEL WITH THE BRACE



Allowable Horizontal Seismic Loads (lbs)

Blocking Condition	Angle to Vertical (θ)		
	30°	45°	60°
2x_ on one side	NOT PERMITTED	NOT PERMITTED	595
2x_ on both sides	730	830	960

SB3

LONGITUDINAL BRACE PIPE TO I JOIST | NTS | 3

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

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MEP & FS / Sustainability / CxA
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Roseville, CA 95678
p 916-771-0778
www.lpengineers.com
Job #: 25-2132

ARCHITECT	ENGINEER
LICENSED ARCHITECT BRIAN P WHITMORE No. C 30345 Ren. 9/30/27 STATE OF CALIFORNIA	REGISTERED PROFESSIONAL ENGINEER SEAN ROURKE M 32311 REN. 6-30-27 MECHANICAL STATE OF CALIFORNIA
DATE SIGNED: 07/13/2026	

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REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
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○ BIDDING	
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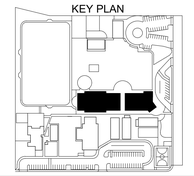
KEY PLAN



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FIRE SPRINKLER DETAILS

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2FP10.2.2
Drawn KT	Checked TH

PRINT DATE: 7/9/2026 12:57:42 PM
FILE PATH: Autodesk Docs://25-2132 FCUSD Cordova Villa ES/25-2132 FCUSD Cordova ES MP+FP .r23.rvt

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD	NRCC-PRF-E
Nonresidential Performance Compliance Method	**(Page 1 of 27)**

Project Name:	**Cordova Villa ES - Mod Ph1 Inc 2 Admin**	**Date Prepared:**	**2026-07-08**

A. General Information

1	Project Name	Cordova Villa ES - Mod Ph1 Inc 2 Admin			
2	Run Title	Title 24 Analysis			
3	Project Location	10359 S White Rock Rd			
4	City	Rancho Cordova	5	Standards Version	Compliance 2022
6	Zip code	95670	7	Compliance Software (version)	EnergyPro 9.4
8	Climate Zone	12	9	Building Orientation (deg)	90
10	Building Type(s)	• Nonresidential	11	Weather File	SACRAMENTO-MATHER_STYP20.epw
12	Project Scope	• New complete scope	13	Number of Dwelling Units	0
14	Total Conditioned Floor Area in Scope (ft²)	7803	15	Total # of hotel/motel rooms	0
16	Total Unconditioned Floor Area (ft²)	0	17	Fuel Type	Natural gas
18	Nonresidential Conditioned Floor Area	7803	19	Total # of Stories (Habitable Above Grade)	1
20	Residential Conditioned Floor Area	0			

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD	NRCC-PRF-E
Nonresidential Performance Compliance Method	**(Page 2 of 27)**

B. PROJECT SUMMARY

Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within the permit application.

Building Components Complying via Performance						Building Components Complying Prescriptively	
Envelope (See Table G)	Nonres	Performance	Solar Thermal Water Heating (See Table I3)	☐	Performance	The following building components are ONLY eligible for prescriptive compliance and should be documented on the NRCC form listed if within the scope of the permit application (i.e. compliance will not be shown on the NRCC-PRF-E).	
	MultiFam	Not Included		☒	Not Included		
Mechanical (See Table H)	Nonres	Performance	Covered Process: Commercial Kitchens (see Table J)	☐	Performance	Indoor Lighting (Unconditioned) 140.6 & 170.2(e)	NRCC-LTI-E is required
	MultiFam	Not Included		☒	Not Included	Outdoor Lighting 140.7 & 170.2(e)	NRCC-LTO-E is required
Domestic Hot Water (See Table I)	Nonres	Performance	Covered Process: Laboratory Exhaust (see Table J)	☐	Performance	Sign Lighting 140.8 & 170.2(e)	NRCC-LTS-E is required
	MultiFam	Not Included		☒	Not Included	**Building Components Complying with Mandatory Measures**	
Lighting (Indoor Conditioned, see Table K)	Nonres	Performance	Photovoltaics (see Table F)	☒	Performance	Electrical power systems, commissioning, solar ready, elevator and escalator requirements are mandatory and should be documented on the NRCC form listed if applicable (i.e. compliance will not be shown on the NRCC-PRF-E.)	
	MultiFam	Not Included		☐	Not Included	Electrical Power Distribution 110.11	NRCC-ELC-E is required
			Battery (see Table F)	☐	Performance	Commissioning 120.8	NRCC-CXR-E is required
				☒	Not Included	Solar and Battery 110.10	NRCC-SAB-E is required

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD	NRCC-PRF-E
Nonresidential Performance Compliance Method	**(Page 3 of 27)**

C1. COMPLIANCE SUMMARY

COMPLIES[1]			
	Time Dependent Valuaton (TDV)		**Source Energy Use**
	Efficiency[1] (kBtu/ft² - yr)	**Total[2] (kBtu/ft² - yr)**	**Total[2] (kBtu/ft² - yr)**
Standard Design	241.93	189.5	19.87
Proposed Design	187.33	134.69	14.25
Compliance Margins	**54.6**	**54.81**	**5.62**
	Pass	**Pass**	**Pass**

[1] Efficiency measures include improvements like a better building envelope and more efficient equipment
[2] Compliance Totals include efficiency, photovoltaics and batteries
[3] New Construction, Complete Addition Scope: Building complies when all efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded
Existing, Addition and Alteration Scope: Building complies when efficiency compliance margin is greater than or equal to zero and unmet load hour limits are not exceeded

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD	NRCC-PRF-E
Nonresidential Performance Compliance Method	**(Page 4 of 27)**

C2. TDV ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft² - yr)

COMPLIES[2]			
Energy Component	**Standard Design (TDV)**	**Proposed Design (TDV)**	**Compliance Margin (TDV)[1]**
Space Heating	30.34	21.51	8.83
Space Cooling	60.74	37.43	23.31
Indoor Fans	107.05	83.65	23.4
Heat Rejection	0	0	0
Pumps & Misc.	0	0	0
Domestic Hot Water	11.74	14.92	-3.18
Indoor Lighting	32.06	29.82	2.24
Flexibility	---	---	---
EFFICIENCY COMPLIANCE TOTAL	**241.93**	**187.33**	**54.6 (22.6%)**
Photovoltaics	-49.66	-52.64	2.98
Batteries	-2.77	---	-2.77
TOTAL COMPLIANCE	**189.5**	**134.69**	**54.81 (28.9%)**

[1] Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD	NRCC-PRF-E
Nonresidential Performance Compliance Method	**(Page 5 of 27)**

C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONENTS[1]

Non-Regulated Energy Component	**Standard Design (TDV)**	**Proposed Design (TDV)**	**Compliance Margin (TDV)[1]**
Receptacle	62.98	62.98	---
Process	---	---	---
Other Ltg	---	---	---
Process Motors	---	---	---
TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	**252.48**	**197.67**	**54.81 (21.7%)**

[1] Notes: This table is not used for Energy Code Compliance.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD	NRCC-PRF-E
Nonresidential Performance Compliance Method	**(Page 6 of 27)**

C4. SOURCE ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual SOURCE Energy Use, kBtu/ft² /yr)

COMPLIES[2]			
Energy Component	**Standard Design (SOURCE)**	**Proposed Design (SOURCE)**	**Compliance Margin (SOURCE)[1]**
Space Heating	4.35	3.12	1.23
Space Cooling	2.45	1.79	0.66
Indoor Fans	10.2	7.64	2.56
Heat Rejection	0	0	0
Pumps & Misc.	0	0	0
Domestic Hot Water	2.65	1.2	1.45
Indoor Lighting	2.51	2.34	0.17
Flexibility	---	---	---
EFFICIENCY COMPLIANCE TOTAL	**22.16**	**16.09**	**6.07 (27.4%)**
Photovoltaics	-1.76	-1.84	0.08
Batteries	-0.53	---	-0.53
TOTAL COMPLIANCE	**19.87**	**14.25**	**5.62 (28.3%)**

[1] Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD	NRCC-PRF-E
Nonresidential Performance Compliance Method	**(Page 7 of 27)**

C5. SOURCE ENERGY RESULTS FOR NON-REGULATED COMPONENTS[1]

Non-Regulated Energy Component	**Standard Design (SOURCE)**	**Proposed Design (SOURCE)**	**Compliance Margin (SOURCE)[1]**
Receptacle	4.66	4.66	---
Process	---	---	---
Other Ltg	---	---	---
Process Motors	---	---	---
TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	**24.53**	**18.91**	**5.62 (22.9%)**

[1] Notes: This table is not used for Energy Code Compliance.

C6. 'ABOVE CODE' QUALIFICATIONS

☐ This project is pursuing CalGreen Tier 1 ☐ This project is pursuing CalGreen Tier 2

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD	NRCC-PRF-E
Nonresidential Performance Compliance Method	**(Page 8 of 27)**

C7. ENERGY USE SUMMARY

Energy Component	**Standard Design Site (MWh)**	**Proposed Design Site (MWh)**	**Margin (MWh)**	**Standard Design Site (MBtu)**	**Proposed Design Site (MBtu)**	**Margin (MBtu)**
Space Heating	7.5	5.2	2.3	---	---	---
Space Cooling	12.1	7.4	4.7	---	---	---
Indoor Fans	29.4	22.8	6.6	---	---	---
Heat Rejection	---	---	---	---	---	---
Pumps & Misc.	---	---	---	---	---	---
Domestic Hot Water	1.8	4.7	-2.9	18.1	---	---
Indoor Lighting	10.1	9.4	0.7	---	---	---
Flexibility	---	---	---	---	---	---
EFFICIENCY TOTAL	**60.9**	**49.5**	**11.4**	**18.1**	**0**	**18.1**
Photovoltaics	-19.9	-20.8	0.9	---	---	---
Batteries	0.1	---	---	---	---	---
ENERGY USE SUBTOTAL	**41.1**	**28.7**	**12.4**	**18.1**	**0**	**18.1**
Receptacle	20.6	20.6	0	---	---	---
Process	---	---	---	---	---	---
Other Ltg	---	---	---	---	---	---
Process Motors	---	---	---	---	---	---
ENERGY USE TOTAL	**61.7**	**49.3**	**12.4**	**18.1**	**0**	**18.1**

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD	NRCC-PRF-E
Nonresidential Performance Compliance Method	**(Page 9 of 27)**

C8. ENERGY USE INTENSITY (EUI)

	Standard Design (kBtu/ft² / yr)	**Proposed Design (kBtu/ft² / yr)**	**Margin (kBtu/ft² / yr)**	**Margin Percentage**
GROSS EUI[1]	38	30.65	7.35	19.34
NET EUI[1]	29.3	21.56	7.74	26.42

[1] Notes: Gross EUI is Energy Use Total (not including PV)/Total Building Area. Net EUI is Energy Use Total (including PV)/Total Building Area.

D1. EXCEPTIONAL CONDITIONS

• The project uses the Simplified Geometry Performance Modeling Approach which is not capable of modeling daylighting controls and assumes the prescriptive Secondary Daylit Control requirements are met. PRESCRIPTIVE COMPLIANCE documentation (form NRCC-LTI-02-E) for the requirements of section 140.6(d) Automatic Daylighting Controls in Secondary Daylit Zones is required.
• The user model includes space(s) that are designed to be served by mechanical cooling systems, but the cooling systems were not included in the simulation model. A cooling system has been modeled for both the proposed and standard cases.
• The user model includes space(s) without sufficient cooling equipment. Cooling equipment has been added to the model to meet cooling loads.
• PV/Battery Building Type has been modified from software defaults for one or more spaces. Review project's PV/Battery Building Type(s) with documentation author. Refer to Energy Code section 140.10 for Nonresidential or 170.2(g) for more information.

F1. REQUIRED PV SYSTEMS

01	02	03	04	05	06	07	08	09	10	11	12
DC System Size (kWdc)	**Exception[1]**	**Module Type**	**Array Type**	**Power Electronics**	**CFI**	**Azimuth (deg)**	**Tilt Input**	**Array Angle (deg)**	**Tilt: (x in 12)**	**Inverter Eff. (%)**	**Annual Solar Access (%)**
12.72		Standard (14-17%)	Fixed	none	false	180	Degrees	22	4.85	96	100

[1] See Table D1 for any PV exceptions used.

TITLE 24 COMPLIANCE SHEET INDEX

SHEET NUMBER	SHEET NAME
2T24.1	TITLE 24 COMPLIANCE
2T24.2	TITLE 24 COMPLIANCE
2T24.3	TITLE 24 COMPLIANCE
2T24.4	TITLE 24 COMPLIANCE
2T24.5	TITLE 24 COMPLIANCE
2T24.6	TITLE 24 COMPLIANCE
2T24.7	TITLE 24 COMPLIANCE
2T24.8	TITLE 24 COMPLIANCE
2T24.9	TITLE 24 COMPLIANCE
2T24.10	TITLE 24 COMPLIANCE
2T24.11	TITLE 24 COMPLIANCE
2T24.12	TITLE 24 COMPLIANCE

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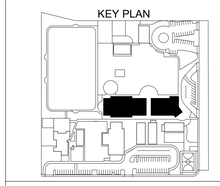

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RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

TITLE 24 COMPLIANCE

Date 07/13/2026
Project Number 25010.1
Application Number 02-123800
Drawing Number 2T24.1
Drawn Author
Checked Checker

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G6A. OPAQUE DOOR SUMMARY (NONRESIDENTIAL)

01	02	03	04
Assembly Name	Area (ft²)	Overall U-factor	Status[1]
Insulated Door39	63	0.2	N

[1] *Status: N - New, A - Altered, E - Existing*

G7A. FENESTRATION ASSEMBLY SUMMARY (NONRESIDENTIAL)

01	02	03	04	05	06	07	08	09
Fenestration Assembly Name	Fenestration Type/ Product Type / Frame Type	Certification Method[1]	Assembly Method	Area (ft²)	Overall U-factor	Overall SHGC	Overall VT	Status[2]
PPG SOLARBAN 70 XL Clear	Vertical fenestration Fixed window N/A	NFRC	Site built	1,156.5	0.39	0.21	0.4	N
PPG SOLARBAN 70 XL Clear Storefront	Vertical fenestration Curtain Wall N/A	NFRC	Site built	297	0.41	0.26	0.4	N

[1] *Notes: Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Center of Glass (COG) values are for the glass-only, determined by the manufacturer, and are shown for ease of verification. Site-built fenestration values are calculated per Nonresidential Appendix NA6 and are used in the analysis.*
[2] *Status: N - New, A - Altered, E - Existing*

G4. NONRESIDENTIAL AIR BARRIER

01	02
Building Story Name	Air Barrier
Com-Floor 1	No air barrier

G5. OPAQUE SURFACE ASSEMBLY SUMMARY

01	02	03	04	05	06		07	08	09	10
Surface Name	Construction Type	Area (ft²)	Framing Type	Cavity R-Value	Continuous R-Value		Units	Value	Description of Assembly Layers	Status[1]
					Interior	Exterior				
Slab On Grade13	Underground Floor	7,803	N/A	0	N/A	N/A	F-factor	0.73	Slab Type =Unheated slab on grade Insulation Orientation =None Insulation R-Value =none	N
R-19 Wall15	Exterior Wall	4,920.25	Wood	19	N/A	N/A	U-factor	0.0676	Stucco - 7/8 in. Plywood - 1/2 in. Vapor permeable felt - 1/8 in. Composite-1 Gypsum Board - 5/8 in.	N
R-30 Roof No Attic20	Roof	7,803	Wood	0	N/A	30	U-factor	0.0296	Single Ply Roofing - 1/4 in. Vapor permeable felt - 1/8 in. Extruded Polystyrene - XPS - 6 in. R30.00 Plywood - 1/2 in. Air - Cavity - Wall Roof Ceiling - 4 in. or more Composite-2 Gypsum Board - 5/8 in.	N
Interior R-19 Wall75	Interior Wall	900	Wood	19	N/A	N/A	U-factor	0.0665	Gypsum Board - 5/8 in. Composite-3 Gypsum Board - 5/8 in.	N

[1] *Status: N - New, A - Altered, E - Existing*

F1B. PV BATTERY BUILDING TYPE(S)

01	02	03
Building Occupancy Type* (From Table 140.10-A/B and 170.2-U/V)	Conditioned Floor Area (ft²)	Unconditioned Floor Area (ft²)
Grocery	0	0
High-Rise Multifamily	0	0
Office, Financial Institutions, Unleased Tenant Space	0	0
Retail	0	0
School	7803	0
Warehouse	0	0
Auditorium, Convention Center, Hotel/Motel, Library, Medical Office Building/Clinic, Restaurant, Theater	0	0
None	0	0

* *Building Occupancy Types are defined in Section 100.1 of the Energy Code*

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)

01	02	03	04
Opaque Surfaces & Orientation	Total Gross Surface Area (ft²)	Total Fenestration Area (ft²)	Window to Wall Ratio (%)
North-Facing[1]	2003.5	666	33.24
East-Facing[2]	621.5	328.5	52.86
South-Facing[3]	1379	288	20.88
West-Facing[4]	916.25	171	18.66
Total	**4920.25**	**1453.5**	**29.54**
Roof	7803	0	0

Notes
[1] *North-Facing is oriented to within 45 degrees of true north, including 4500'00" east of north (NE), but excluding 4500'00" west of north (NW),*
[2] *East-Facing is oriented to within 45 degrees of true east, including 4500'00" south of east (SE), but excluding 4500'00" north of east (NE),*
[3] *South-Facing is oriented to within 45 degrees of true south, including 4500'00" west of south (SW), but excluding 4500'00" east of south (SE),*
[4] *West-Facing is oriented to within 45 degrees of true west, including 4500'00" north of west (NW), but excluding 4500'00" south of west (SW),*

H1. DRY SYSTEM EQUIPMENT (FURNACES, AIR HANDLING UNITS, HEAT PUMPS, VRF, ECONOMIZERS ETC.)

01	02	03	04	05	06	07	08	09	10	11	12
Equipment Name	Equipment Type	Qty	Heating				Cooling			Economizer Type (if present)	Status[1]
			Total Heating Output (kBtu/h)	Supp Heat Output (kBtu/h)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency		
ERV-A1	Heating Ventilation Air System	1	0	0	N/A	NA	0	N/A	NA	No Economizer	N
PHP-A1	Single Zone Heat Pump (SZHP) Air System	1	33	0	HSPF2	8	32.56	EER2 SEER2	12 16	Fixed DB	N
PHP-A2	Single Zone Heat Pump (SZHP) Air System	1	54	0	HSPF2	8.2	54.87	EER2 SEER2	12 16	Fixed DB	N
PHP-A3	Single Zone Heat Pump (SZHP) Air System	1	33	0	HSPF2	8	32.56	EER2 SEER2	12 16	Fixed DB	N
IDU/ODU-A1	Single Zone Heat Pump	1	0	0	N/A	Electric Resistance	26.4	EER SEER	12 21	N/A	N
IDU/ODU-A2	Single Zone Heat Pump	1	0	0	N/A	Electric Resistance	26.4	EER SEER	12 21	N/A	N
HR-1	Variable Refrigerant Flow	1	185.25	N/A	COP	3.35	188.77	EER IEER	18.7 13.5	N/A	N

[1] *Status: N - New, A - Altered, E - Existing*

G9. FIN DETAILS

01	02	03	04	05
Fenestration Tag/ ID	Left Fin		Right Fin	
	Depth (ft)	Distance Left from Window (ft)	Depth (ft)	Distance Right from Window (ft)
Window16	4	0.1	4	0.1
Window18	4	0.1	4	0.1
Window37	1	0.1	1	0.1
Window47	1	0.1	1	0.1
Window49	1	0.1	1	0.1
Window57	1	0.1	1	0.1
Window62	1	0.1	1	0.1
Window68	1	0.1	1	0.1
Window98	1	0.1	1	0.1
Window116	1	0.1	1	0.1
Window162	4	0.1	4	0.1
Window178	1	0.1	1	0.1
Window182	1	0.1	1	0.1
Window188	1	0.1	1	0.1
Window191	1	0.1	1	0.1

G8. OVERHANG DETAILS

01	02	03	04	05	06	07
Fenestration Tag/ ID	Azimuth	Depth (ft)	Height from Top of Sill to Overhang (ft)	Right Extent (ft)	Left Extent (ft)	Flap Height
Window16	270	4	9.1	1.5	1.5	N/A
Window18	180	4	9.1	1.5	1.5	N/A
Window37	90	1	9.1	0.1	0.1	N/A
Window47	270	1	9.1	0.1	0.1	N/A
Window49	270	1	9.1	0.1	0.1	N/A
Window57	270	1	9.1	0.1	0.1	N/A
Window62	270	1	9.1	0.1	0.1	N/A
Window68	270	1	9.1	0.1	0.1	N/A
Window98	90	1	9.1	0.1	0.1	N/A
Window103	315	20	9.1	20	6.5	N/A
Window105	45	6	9.1	6	6	N/A
Window110	45	6	9.1	6	6	N/A
Window116	90	1	9.1	0.1	0.1	N/A
Window140	0	20	9.1	20	6.5	N/A
Window142	315	20	9.1	20	6.5	N/A
Window162	270	4	9.1	1.5	1.5	N/A
Window167	0	6	9.1	6	6	N/A
Window169	90	40	9.1	10	0	N/A
Window178	270	1	9.1	0.1	0.1	N/A
Window182	180	1	9.1	0.1	0.1	N/A
Window188	180	1	9.1	0.1	0.1	N/A
Window191	90	1	9.1	0.1	0.1	N/A

H8. SYSTEM SPECIAL FEATURES

01	02	03	04
System Name	Equipment Type	Interlocks per 140.4(n)[1]	Other Special Features and Controls
PHP-A1	Single Zone Heat Pump (SZHP) Air System	N/A	Zone(s) With CO2 Sensor Vent. Control Fixed DB
PHP-A2	Single Zone Heat Pump (SZHP) Air System	N/A	Zone(s) With CO2 Sensor Vent. Control Fixed DB
PHP-A3	Single Zone Heat Pump (SZHP) Air System	N/A	Zone(s) With CO2 Sensor Vent. Control Fixed DB
HR-1	Variable Refrigerant Flow	N/A	Heat Recovery
Undefined Plant1 - SHW	Service Hot Water	N/A	Fixed Temperature Control

Notes: This table includes controls related to the performance path only. For projects using the prescriptive path, mandatory and prescriptive controls requirements are documented on the NRCC-MCH-E.
[1] *Yes = interlocks are provided, No = interlocks are not provided, NA means no operable openings.*

H9. NONRESIDENTIAL / COMMON USE AREA & HOTEL/MOTEL VENTILATION

01	02	03	04	05	06	07
Zone Name	Mechanical Ventilation				Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM		
1-FC-A1	General - Corridors	6.59	197.7	212.39	1318	N/A
2-FC-A2	General - Conference/meeting	18.7	280.5	302.65	561	N/A
3-FC-A3	General - Conference/meeting	8.2	123	132.74	246	N/A
4-FC-A4	Office - Office space	1.07	32.25	37.17	215	N/A
5-FC-A5	Office - Office space	0.78	23.4	26.55	156	N/A
6-FC-A6	Office - Office space	0.78	23.25	26.55	155	N/A
7-FC-A7	Office - Office space	0.59	17.85	21.24	119	N/A
8-FC-A8	General - Conference/meeting	4.37	65.5	74.34	131	N/A

H3. NONRESIDENTIAL / COMMON USE AREA FAN SYSTEMS SUMMARY

01	02	03	04	05	06	07	08	09	10	11	12	13
Name or Item Tag	Qty	Design OA CFM	Supply Fan				Return / Relief Fan					Status[1]
			CFM	Power	Power Units	Control	Fan Type	CFM	Power	Power Units	Control	
IDU/ODU-A2	1	0	625	0.1	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N

[1] *Status: N - New, A - Altered, E - Existing*

H5. GENERAL EXHAUST FAN SUMMARY

01	02	03	04	05	06	07	08
System ID	Zone Name	Qty	CFM	Power	Power Units	Continuous Operation?	Status[1]
ERV-A1	1-FC-A1 2-FC-A2 3-FC-A3 4-FC-A4 5-FC-A5 6-FC-A6 7-FC-A7 8-FC-A8 9-FC-A9 10-FC-A10 11-FC-A11 12-FC-A12 13-FC-A13 14-FC-A14 15-FC-A15 16-FC-A16 17-FC-A17 18-FC-A18	1	1200	0.73	BHP	Yes	N
RESTROOM131-EF	19-RESTROOM	1	100	0.02	BHP	No	N

[1] *Status: N - New, A - Altered, E - Existing*

H8. SYSTEM SPECIAL FEATURES

01	02	03	04
System Name	Equipment Type	Interlocks per 140.4(n)[1]	Other Special Features and Controls
ERV-A1	Heating Ventilation Air System	N/A	Heat Recovery

Notes: This table includes controls related to the performance path only. For projects using the prescriptive path, mandatory and prescriptive controls requirements are documented on the NRCC-MCH-E.
[1] *Yes = interlocks are provided, No = interlocks are not provided, NA means no operable openings.*

H3. NONRESIDENTIAL / COMMON USE AREA FAN SYSTEMS SUMMARY

01	02	03	04	05	06	07	08	09	10	11	12	13
Name or Item Tag	Qty	Design OA CFM	Supply Fan				Return / Relief Fan					Status[1]
			CFM	Power	Power Units	Control	Fan Type	CFM	Power	Power Units	Control	
ERV-A1	1	1092.45	1,200	0.7	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
PHP-A1	1	183.9	1,200	0.64	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
PHP-A2	1	203.7	2,000	1.24	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
PHP-A3	1	277.5	1,200	0.64	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
2-FC-A1-VRF	1	0	1,375	0.4	BHP	VSD	N/A	N/A	N/A	N/A	N/A	N
3-FC-A2-VRF	1	0	1,130	0.4	BHP	VSD	N/A	N/A	N/A	N/A	N/A	N
4-FC-A3-VRF	1	0	740	0.4	BHP	VSD	N/A	N/A	N/A	N/A	N/A	N
5-FC-A4-VRF	1	0	440	0.06	BHP	VSD	N/A	N/A	N/A	N/A	N/A	N
6-FC-A5-VRF	1	0	440	0.06	BHP	VSD	N/A	N/A	N/A	N/A	N/A	N
7-FC-A6-VRF	1	0	440	0.06	BHP	VSD	N/A	N/A	N/A	N/A	N/A	N
8-FC-A7-VRF	1	0	440	0.06	BHP	VSD	N/A	N/A	N/A	N/A	N/A	N
9-FC-A8-VRF	1	0	335	0.06	BHP	VSD	N/A	N/A	N/A	N/A	N/A	N
10-FC-A9-VRF	1	0	440	0.06	BHP	VSD	N/A	N/A	N/A	N/A	N/A	N
11-FC-A10-VRF	1	0	440	0.06	BHP	VSD	N/A	N/A	N/A	N/A	N/A	N
12-FC-A11-VRF	1	0	335	0.06	BHP	VSD	N/A	N/A	N/A	N/A	N/A	N
13-FC-A12-VRF	1	0	440	0.06	BHP	VSD	N/A	N/A	N/A	N/A	N/A	N
14-FC-A13-VRF	1	0	635	0.4	BHP	VSD	N/A	N/A	N/A	N/A	N/A	N
15-FC-A14-VRF	1	0	440	0.06	BHP	VSD	N/A	N/A	N/A	N/A	N/A	N
16-FC-A15-VRF	1	0	1,090	0.4	BHP	VSD	N/A	N/A	N/A	N/A	N/A	N
17-FC-A16-VRF	1	0	440	0.06	BHP	VSD	N/A	N/A	N/A	N/A	N/A	N
18-FC-A17-VRF	1	0	440	0.06	BHP	VSD	N/A	N/A	N/A	N/A	N/A	N
19-FC-A18-VRF	1	0	440	0.06	BHP	VSD	N/A	N/A	N/A	N/A	N/A	N
IDU/ODU-A1	1	0	625	0.1	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N

[1] *Status: N - New, A - Altered, E - Existing*

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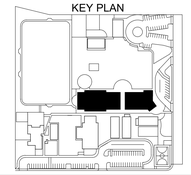


FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

TITLE 24 COMPLIANCE

Date 07/13/2026
Project Number 25010.1
Application Number 02-123800
Drawing Number 2T24.2
Drawn Author
Checked Checker

PRINT DATE: 7/10/2026 8:58:50 AM
FILE PATH: Autodesk Docs://25-2132 FCUSD Cordova Villa ES/25-2132 FCUSD Cordova ES MP-PF_Z23.rvt

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E

Nonresidential Performance Compliance Method (Page 21 of 27)

H11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY

01	02	03	04	05	06	07	08	09	10	11	12
System ID	System Type	Qty	Rated Capacity (kBtuh)		Airflow (cfm)			Fan			VSD
			Heating	Cooling	Design	Min.	Min. Ratio	Power	Power Units	Cycles	
5-FC-A4-VRF	Variable Refrigerant Flow	1	10.92	7.71	440	355	0.81	0.06	BHP	Cycling	☒
6-FC-A5-VRF	Variable Refrigerant Flow	1	10.92	7.71	440	355	0.81	0.06	BHP	Cycling	☒
7-FC-A6-VRF	Variable Refrigerant Flow	1	10.92	7.71	440	355	0.81	0.06	BHP	Cycling	☒
8-FC-A7-VRF	Variable Refrigerant Flow	1	8.87	6.21	440	355	0.81	0.06	BHP	Cycling	☒
9-FC-A8-VRF	Variable Refrigerant Flow	1	14.1	9.59	335	250	0.75	0.06	BHP	Cycling	☒
10-FC-A9-VRF	Variable Refrigerant Flow	1	8.87	6.21	440	355	0.81	0.06	BHP	Cycling	☒
11-FC-A10-VRF	Variable Refrigerant Flow	1	8.87	6.21	440	355	0.81	0.06	BHP	Cycling	☒
12-FC-A11-VRF	Variable Refrigerant Flow	1	14.1	9.59	335	250	0.75	0.06	BHP	Cycling	☒
13-FC-A12-VRF	Variable Refrigerant Flow	1	10.92	7.71	440	355	0.81	0.06	BHP	Cycling	☒
14-FC-A13-VRF	Variable Refrigerant Flow	1	20.84	14.49	635	520	0.82	0.4	BHP	Cycling	☒
15-FC-A14-VRF	Variable Refrigerant Flow	1	13.99	9.59	440	355	0.81	0.06	BHP	Cycling	☒
16-FC-A15-VRF	Variable Refrigerant Flow	1	35.26	24.24	1,090	800	0.73	0.4	BHP	Cycling	☒
17-FC-A16-VRF	Variable Refrigerant Flow	1	8.87	6.21	440	355	0.81	0.06	BHP	Cycling	☒
18-FC-A17-VRF	Variable Refrigerant Flow	1	8.87	6.21	440	355	0.81	0.06	BHP	Cycling	☒
19-FC-A18-VRF	Variable Refrigerant Flow	1	8.87	6.21	440	355	0.81	0.06	BHP	Cycling	☒
IDU/ODU-A1	Single Zone Heat Pump	1	0	26.4	625	N/A	N/A	0.1	BHP	Continuous	☐
IDU/ODU-A2	Single Zone Heat Pump	1	0	26.4	625	N/A	N/A	0.1	BHP	Continuous	☐

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E

Nonresidential Performance Compliance Method (Page 20 of 27)

H11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY

01	02	03	04	05	06	07	08	09	10	11	12
System ID	System Type	Qty	Rated Capacity (kBtuh)		Airflow (cfm)			Fan			VSD
			Heating	Cooling	Design	Min.	Min. Ratio	Power	Power Units	Cycles	
18-FC-A18-Trm	Uncontrolled	1	N/A	N/A	15	N/A	0	N/A	N/A	N/A	☐
17-FC-A17-Trm	Uncontrolled	1	N/A	N/A	15	N/A	0	N/A	N/A	N/A	☐
16-FC-A16-Trm	Uncontrolled	1	N/A	N/A	15	N/A	0	N/A	N/A	N/A	☐
15-FC-A15-Trm	Uncontrolled	1	N/A	N/A	150	N/A	0	N/A	N/A	N/A	☐
14-FC-A14-Trm	Uncontrolled	1	N/A	N/A	20	N/A	0	N/A	N/A	N/A	☐
13-FC-A13-Trm	Uncontrolled	1	N/A	N/A	30	N/A	0	N/A	N/A	N/A	☐
12-FC-A12-Trm	Uncontrolled	1	N/A	N/A	15	N/A	0	N/A	N/A	N/A	☐
11-FC-A11-Trm	Uncontrolled	1	N/A	N/A	55	N/A	0	N/A	N/A	N/A	☐
10-FC-A10-Trm	Uncontrolled	1	N/A	N/A	15	N/A	0	N/A	N/A	N/A	☐
9-FC-A9-Trm	Uncontrolled	1	N/A	N/A	15	N/A	0	N/A	N/A	N/A	☐
8-FC-A8-Trm	Uncontrolled	1	N/A	N/A	70	N/A	0	N/A	N/A	N/A	☐
7-FC-A7-Trm	Uncontrolled	1	N/A	N/A	20	N/A	0	N/A	N/A	N/A	☐
6-FC-A6-Trm	Uncontrolled	1	N/A	N/A	25	N/A	0	N/A	N/A	N/A	☐
5-FC-A5-Trm	Uncontrolled	1	N/A	N/A	25	N/A	0	N/A	N/A	N/A	☐
4-FC-A4-Trm	Uncontrolled	1	N/A	N/A	35	N/A	0	N/A	N/A	N/A	☐
3-FC-A3-Trm	Uncontrolled	1	N/A	N/A	125	N/A	0	N/A	N/A	N/A	☐
2-FC-A2-Trm	Uncontrolled	1	N/A	N/A	285	N/A	0	N/A	N/A	N/A	☐
1-FC-A1-Trm	Uncontrolled	1	N/A	N/A	200	N/A	0	N/A	N/A	N/A	☐
19-RESTROOM-Trm	Uncontrolled	1	N/A	N/A	1,200	N/A	0	N/A	N/A	N/A	☐
20-MEDIA CENTER-Trm	Uncontrolled	1	N/A	N/A	2,000	N/A	0	N/A	N/A	N/A	☐
21-LOUNGE-Trm	Uncontrolled	1	N/A	N/A	1,200	N/A	0	N/A	N/A	N/A	☐
2-FC-A1-VRF	Variable Refrigerant Flow	1	56.08	38.84	1,375	920	0.67	0.4	BHP	Cycling	☒
3-FC-A2-VRF	Variable Refrigerant Flow	1	41.44	29.13	1,130	800	0.71	0.4	BHP	Cycling	☒
4-FC-A3-VRF	Variable Refrigerant Flow	1	27.93	19.29	740	570	0.77	0.4	BHP	Cycling	☒

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E

Nonresidential Performance Compliance Method (Page 19 of 27)

H9. NONRESIDENTIAL / COMMON USE AREA & HOTEL/MOTEL VENTILATION

01	02	03	04	05	06	07
Zone Name	Mechanical Ventilation				Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM		
9-FC-A9	Office - Office space	0.47	13.95	15.93	93	N/A
10-FC-A10	Office - Office space	0.47	13.95	15.93	93	N/A
11-FC-A11	Office - Office space	1.72	51.6	58.41	344	N/A
12-FC-A12	Office - Office space	0.5	15	15.93	100	N/A
13-FC-A13	Office - Office space	1	30	31.86	200	N/A
14-FC-A14	Office - Office space	0.6	18	21.24	120	N/A
15-FC-A15	General - Conference/meeting	9.73	146	159.29	292	N/A
16-FC-A16	Office - Office space	0.47	13.95	15.93	93	N/A
17-FC-A17	Office - Office space	0.47	13.95	15.93	93	N/A
18-FC-A18	Office - Office space	0.42	12.6	15.93	84	N/A
19-RESTROOM	Exhaust - Toilets, public Office - Reception areas Misc - All others General - Corridors	25.29	183.9	100	1303	DCV
20-MEDIA CENTER	Education - Media center	33.95	203.7	0	1358	DCV
21-LOUNGE	Office - Breakrooms	18.5	277.5	0	555	DCV
22-ELECTRICAL ROOM	General - Unoccupied	0.11	0	0	73	N/A
23-ELECTRICAL ROOM	General - Unoccupied	0.15	0	0	101	N/A

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E

Nonresidential Performance Compliance Method (Page 24 of 27)

K2. INDOOR CONDITIONED LIGHTING SCHEDULE

Luminaire Schedule (includes all permanent installed lighting in conditioned space, and portable lighting over 0.3 w/ft^2 in offices)

01	02	03	04	05	06
Name or Item Tag	Complete Luminaire Description (i.e. 3-lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Installed Watts (Conditioned)			
		Watts per luminaire	How is Wattage determined	Total Number of Luminaires	Installed Watts
A2	Lighting Systems - LED recessed 2x2 troffer; 2929 lumens; 4000K CCT	21	According to	19	399
A3	Lighting Systems - LED recessed 2x4 troffer; 5608 lumens; 4000K CCT	42	According to	40	1680
B1	AVX - LED surface 4ft wrap; 6200 lumens; 3500K CCT; 0-10v dimming	57	According to	4	228
A1	Lighting Systems - LED recessed 2x2 troffer; 3387 lumens; 4000K CCT	25	According to	45	1125
C2	Finelite - LED recessed 4ft slot; 1524 lumens; 3500K CCT	14	According to	8	112
D2	Focal Point - LED recessed downlight; 1000 lumens; 3500K CCT	11	According to	20	220
C1	Finelite - LED recessed 4ft slot; 2900 lumens; 3500K CCT	28	According to	15	420

[1] *If lighting power densities were used in the compliance model Building Departments will need to check prescriptive forms for Luminaire Schedule details.*

K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROL

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E

Nonresidential Performance Compliance Method (Page 23 of 27)

K1. INDOOR CONDITIONED LIGHTING GENERAL INFO

01	02	03	04	05	06
Occupancy Type[1]	Conditioned Floor Area[2] (ft^2)	Installed Lighting Power (Watts)	Lighting Control Credits (Watts)	Additional (Custom) Allowance	
				Area Category Footnotes (Watts)	Area Category Footnotes (Watts)
Classroom, Lecture, or Training Vocational	1358	420	0	0	0
Convention, Conference, Multipurpose and Meeting Center	1230	747	0	0	0
Corridor	1566	761	0	0	0
Electrical Mechanical Telephone Room	174	141	0	0	0
Lounge	1265	533	0	0	0
Office (250 square feet)	1865	1341	0	0	0
Restroom	77	57	0	0	0
GeneralStorage	268	184	0	0	0
Building Totals:	**7803**	**4184**	**0**	**0**	**0**

[1] *See Table 140.6-C*
[2] *See NRCC-LTI--E for unconditioned spaces*
[3] *Lighting information for existing spaces modeled is not included in this table*

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E

Nonresidential Performance Compliance Method (Page 22 of 27)

H13. ENERGY RECOVERY SUMMARY

01	02	03	04	05	06	07	08	09	10
Equipment Name	Equipment Type	Equipment Type	Heating			Cooling			Status[1]
			Sensible	Latent	Total	Sensible	Latent	Total	
ERV-A1	Heating Ventilation Air System	HVI	0.81	0	0	0.81	0	0	N

[1] *Status: N - New, A - Altered, E - Existing*

I1. WATER HEATER EQUIPMENT SUMMARY

01	02	03	04	05	06	07	08	09	10	11	12	13	14
Name	Heater Element Type	Tank Type	Qty	Tank Vol (gal)	Rated Input	Rated Input Unit	Efficiency	Efficiency Unit	Tank Insulation R-value Int/Ext	Standby Loss Fraction	1st Hr. Rating or Flow Rate (gal)	Heat Pump Type	Tank Location or Ambient Condition
AO SMITH DEL-202	Electricity	Storage	1	20	6	kW	0.94	UEF	N/A	N/A	50	N/A	N/A

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E

Nonresidential Performance Compliance Method (Page 27 of 27)

Documentation Author's Declaration Statement

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ashton Tafarrodi	Documentation Author Signature: Ashton Tafarrodi
Company: LP Consulting Engineers, Inc.	Signature Date: 2026-07-08
Address: 1209 Pleasant Grove Blvd	CEA/HERS Certification Identification (if applicable): M40674
City/State/Zip: Roseville, CA 95678	Phone: 916.771.0778

Responsible Person's Declaration statement

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I understand that a registered copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections, and I will take the necessary steps to accomplish this requirement.
6. I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy, and I will take the necessary steps to accomplish these requirements.

Responsible Designer Name: Brian P Whitmore	Responsible Designer Signature:	
Company: Studio W Architects		
Address: 1930 H St	Date Signed: 2026/07/08	
City/State/Zip: Sacramento, CA 95811	License #: C30345	
Phone: 916.254.5600	Title:	Scope:
Responsible Designer Name: Jason DeDora	Responsible Designer Signature:	
Company: LP Consulting Engineers		
Address: 1209 Pleasant Grove Blvd	Date Signed: 2026-07-08	
City/State/Zip: Roseville, CA 95678	License #: M34661	
Phone: 916.771.0778	Title:	Scope:

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E

Nonresidential Performance Compliance Method (Page 26 of 27)

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections made by Documentation Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction. Lighting controls and mechanical NRCAs must be completed through an Acceptance Test Technician Certification Provider (ATTCP).

Building Component[1]	Form/Title & System Name(s)
Mechanical	NRCA-MCH-03-A - Constant Volume Single Zone HVAC
	ERV-A1, PHP-A1, PHP-A2 and PHP-A3., IDU/ODU-A1 and IDU/ODU-A2.
Mechanical	NRCA-MCH-05-A - Air Economizer Controls
	PHP-A1, PHP-A2 and PHP-A3.
Mechanical	NRCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.
	PHP-A1, PHP-A2 and PHP-A3.
Mechanical	NRCA-MCH-12-A FDD for Packaged Direct Expansion Units
	PHP-A2

N. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

Selections made by Documentation Author indicate which Certificates of Verification must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online

There are no Certificates of Verification applicable to this project

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E

Nonresidential Performance Compliance Method (Page 25 of 27)

Building Level Controls

01	02
Mandatory Demand Response 110.12(c)	Shut-Off Controls 130.1(c) & 160.5(b)4C
Required	Required

Area Level Controls (includes all lighting controls installed in conditioned space to meet mandatory requirements per 130.1)

03	04	05	06	07	08	09
Area Description	Area Category Primary Function Area	Area Controls 130.1(a) & 160.5(b)4A	Multi-Level Controls 130.1(b) & 160.5(b)4B	Shut-Off Controls 130.1(c) & 160.5(b)4C	Primary Daylighting 130.1(d) & 160.5(b)4D	Secondary Daylighting 140.5(d) & 160.5(b)4D
Whole Building	All Other Space Types	Required	Required	Required	Required	Required

L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections made by Documentation Author indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online

Building Component	Form/Title
Envelope	NRCI-ENV-E - Envelope (for all buildings)
Mechanical	NRCI-MCH-E - For all buildings with Mechanical Systems
Plumbing	NRCI-PLB-E - For all buildings with Plumbing Systems
	NRCI-SAB-E - Solar Water Heating, PV and Battery Storage Systems
Indoor Lighting	NRCI-LTI-E - Indoor Lighting (for all buildings)

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections made by Documentation Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction. Lighting controls and mechanical NRCAs must be completed through an Acceptance Test Technician Certification Provider (ATTCP).

Building Component[1]	Form/Title & System Name(s)
Envelope	NRCA-ENV-02-F - NRFC label verification for fenestration
Indoor Lighting	NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls.
Indoor Lighting	NRCA-LTI-03-A - Automatic Daylight Controls.
Mechanical	NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap
	ERV-A1, PHP-A1, PHP-A2 and PHP-A3., IDU/ODU-A1 and IDU/ODU-A2.

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

Studio W Architects
1930 H Street
Sacramento, California 95811
[T] 916.254.5600
www.StudioW-Architects.com

LP CONSULTING ENGINEERS
MEP & FS / Sustainability / CxA
1209 Pleasant Grove Blvd.
Roseville, CA 95678
p 916-771-0778
www.lpengineers.com
Job #: 25-2132

ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M 34661 REN 12-31-26 MECHANICAL STATE OF CALIFORNIA

GENERAL NOTES

1. This sheet is part of a set and is not to be used alone.
2. This sheet is not to be used for construction unless the architect's stamp and signature appear on the drawings and the status box indicated drawings have been released for construction.
3. These plans and prints thereof, as instruments of service, are owned by the architect and are for use on this project only. Reproduction and/or distribution without the prior written consent of the architect is forbidden.
4. Copyright Studio W Associates, Inc. 2022.

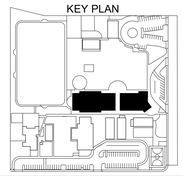
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

TITLE 24 COMPLIANCE

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2T24.3
Drawn / Checked	
Author / Checker	

PRINT DATE: 7/10/2026 8:58:52 AM
FILE PATH: Autodesk Docs://25-2132 FCUSD Cordova Villa ES\25-2132 FCUSD Cordova ES MP-PP_r23.rvt

STATE OF CALIFORNIA
Nonresidential Building Commissioning
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-CXR-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Admin	**Report Page:** (Page 3 of 6)
	Date Prepared: 7/8/2026

F. DESIGN REVIEW KICKOFF MEETING

This table indicates that the design reviewer meets the qualification requirements per Title 24, Part 1 Section 10-103(a)1 and demonstrates compliance with design review kickoff requirements per 120.8(d)2. This meeting should occur during the Schematic Design phase of the project.

Design Review Kickoff Meeting Details

01	Date of Design Review Kickoff Meeting	0001-01-01		
02	Meeting Attendees: (one person may play multiple roles)			
☐	Owner/Facility Manager:		☒ Design Reviewer(s)	Designer
☐	Project Manager:		☐ Design Architect/ Engineer(s):	
☐	Contractor:		☐ Certified Acceptance Test Tech(s):	
☐	Commissioning Provider:		☐ Energy/ T24 Part 6 Consultant:	

Design Reviewer Qualifications per Title 24 Part 1 Section 10-103(a)1

	The design reviewer(s) must be licensed professional engineers or licensed architects, or licensed contractors representing services performed by or under the direct supervision of a licensed engineer or architect, as specified in the provisions of Division 3 of the Business and Professions Code.	Do the Design Reviewer(s) meet these qualifications?	
		Yes	No
03	In addition, for buildings with >= 10,000 ft² but < 50,000², the design reviewer(s) shall be a qualified in-house engineer or architect with no other project involvement or a third party engineer, architect, or contractor	●	○
04	The design reviewer(s) for this project will be:	Designer	

Preliminary Construction Schedule

		Start Date	Completion Date
05	Schematic Design	0001-01-01	0001-01-01
06	Design Development	0001-01-01	0001-01-01
07	Construction Documents	0001-01-01	0001-01-01
08	Construction	0001-01-01	0001-01-01
09	Building Turnover	0001-01-01	0001-01-01
	Project Goals Related to Energy Efficiency		
10	Operational Costs		
11	Desired Building Lifespan		
12	Equipment Lifecycle		
13	Project Energy Efficiency Goals		

STATE OF CALIFORNIA
Nonresidential Building Commissioning
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-CXR-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Admin	**Report Page:** (Page 6 of 6)
Project Address: 10359 S White Rock Rd	**Date Prepared:** 7/8/2026

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ashton Tafarrodi	Documentation Author Signature: Ashton Tafarrodi
Company: LP Consulting Engineers, Inc.	Signature Date: 2026-07-08
Address: 1209 Pleasant Grove Blvd	CEA/ HERS Certification Identification (if applicable): M40674
City/State/Zip: Roseville CA 95678	Phone: 916.771.0778

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Brian P Whitmore	Responsible Designer Signature: Brian Whitmore
Company: Studio W Architects	Date Signed: 2026-07-08
Address: 1930 H St	License: C30345
City/State/Zip: Sacramento CA 95811	Phone: 916.254.5600

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Admin	**Report Page:** (Page 3 of 9)
	Date Prepared: 7/8/2026

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
									Field Inspector	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[3]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Pass	Fail
A1	Lighting Systems - LED recessed 2x2 troffer; 3387 lumens; 4000K CCT	No	NA	25	Mfr. Spec	45	No	1,125	☐	☐
A2	Lighting Systems - LED recessed 2x2 troffer; 2929 lumens; 4000K CCT	No	NA	21	Mfr. Spec	19	No	399	☐	☐
A3	Lighting Systems - LED recessed 2x4 troffer; 5608 lumens; 4000K CCT	No	NA	42	Mfr. Spec	40	No	1,680	☐	☐
B1	AVX - LED surface 4ft wrap; 6200 lumens; 3500K CCT; 0-10v dimming	No	NA	57	Mfr. Spec	4	No	228	☐	☐
C1	Finelite - LED recessed 4ft slot; 2900 lumens; 3500K CCT	No	NA	28	Mfr. Spec	15	No	420	☐	☐
C2	Finelite - LED recessed 4ft slot; 1524 lumens; 3500K CCT	No	NA	14	Mfr. Spec	8	No	112	☐	☐
D2	Focal Point - LED recessed downlight; 1000 lumens; 3500K CCT	No	NA	11	Mfr. Spec	20	No	220	☐	☐
							Total Designed Watts: CONDITIONED SPACES	4,184		

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Nonresidential Building Commissioning
CALIFORNIA ENERGY COMMISSION

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C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with commissioning requirements per 120.8. This table is not editable by the user. If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

01	02	03	04	05	06	07	08	09
Design Kickoff Review	Owner's Project Requirements	Basis of Design	Design Review	Commissioning Plan	Functional Performance Testing	Documentation and Training	Commissioning Report	
Table F	Table G	Table H	Table I	Table J	Table K	Table L	Table M	
Yes	Yes							COMPLIES
10								COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Nonresidential Building Commissioning
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-CXR-E
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K. FUNCTIONAL PERFORMANCE TESTING

This section does not apply to this project.

L. DOCUMENTATION AND TRAINING

This section does not apply to this project.

M. COMMISSIONING REPORT

This section does not apply to this project.

N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

There are no forms required for this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
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C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)						Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)					Compliance Results
	01	02	03	04		05	06	07		08		09
	Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)	=	**Total Allowed** (Watts)	Total Designed (Watts)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)	=	**Total Adjusted** (Watts) *Includes Adjustments		**05 must be >= 08 140.6 / 170.2(e)**
	(See Table I)	(See Table I)	(See Table J)	(See Table K)			(See Table F)	(See Table P)				
Conditioned		4,498.5	0		=	4,499	≥ 4,184	0	=	4184		COMPLIES
Unconditioned					=		≥		=			
										Controls Compliance (See Table H for Details)		COMPLIES
										Rated Power Reduction Compliance (See Table Q for Details)		

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Nonresidential Building Commissioning
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-CXR-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Admin	**Report Page:** (Page 1 of 6)
Project Address: 10359 S White Rock Rd	**Date Prepared:** 7/8/2026

This document is used to demonstrate compliance with mandatory commissioning requirements in 120.8 for nonresidential buildings and hotel/motel or mixed-use buildings with nonresidential spaces. This document does not demonstrate compliance with commissioning requirements within Title 24, Part 11, which need to be documented separately if they apply.

A. GENERAL INFORMATION

01	Project Location (city)	Rancho Cordova	04	Building Size (ft²)	7803
02	Occupancy Type	Nonresidential	05		< 10,000 ft²
03	Project Type	Newly constructed	06		Unitary or packaged equipment each serving one zone
			07	Climate Zone	12

B. PROJECT SCOPE

Based on project information provided in Table A, Table B indicates which commissioning related requirements apply per 120.8. Table B is not editable by the user.

Commissioning Requirements per 120.8

01	Table F: Design Review Kickoff	120.8(d)1 and 120.8(d)2	The design review kickoff meeting establishes who will play the role of the design reviewer, the project schedule and identify owner's requirements. This meeting should be conducted during schematic design.
02	Table G: Owner's Project Requirements (OPR)	120.8(b)	This requirement does not apply.
03	Table H: Basis of Design (BOD)	120.8(c)	This requirement does not apply.
04	Table I: Design Review	120.8(d) and 120.8(e)	The design reviewer(s) reviews the construction documents for clarity, completeness, and adherence to the owner's goals. Commissioning measures must be included in the construction documents to facilitate the design review and commissioning process. For projects with >= 10,000 ft² of nonresidential conditioned floor area, the design review is for adherence with the Owner's Project Requirements (OPR) and Basis of Design (BOD). This should be conducted during design.
05	Table J: Commissioning Plan	120.8(f)	This requirement does not apply.
06	Table K: Functional Performance Testing	120.8(g)	This requirement does not apply.
07	Table L: Documentation and Training	120.8(h)	This requirement does not apply.
08	Table M: Commissioning Report	120.8(i)	This requirement does not apply.

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F. DESIGN REVIEW KICKOFF MEETING

14	Envelope Goals	
15	HVAC System Goals	
16	Indoor Lighting System Goals	
17	Outdoor Lighting System Goals	
18	Water Heating System Goals	
19	Equipment and System Specifications	
20	Operations and Maintenance	

G. OWNER'S PROJECT REQUIREMENTS (OPR)

This section does not apply to this project.

H. BASIS OF DESIGN (BOD)

This section does not apply to this project.

I. CONSTRUCTION DOCUMENT DESIGN REVIEW CHECKLIST

This table is only completed if a design review document is not attached to permit application to demonstrate compliance with 120.8(b) and 120.8(e). For buildings with >= 10,000 ft² conditioned floor area, the design review will ensure the construction documents meet the Owner's Project Requirements (Table G.) and the Basis of Design Documents (Table H.). For buildings with < 10,000 ft² conditioned floor area, the design review will ensure the construction documents meet the goals documented in Table F. during the Design Review Kickoff.

		YES	NO
01	Attaching Completed Design Review Documentation?	●	○

J. COMMISSIONING PLAN

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Admin	**Report Page:** (Page 1 of 9)
Project Address: 10359 S White Rock Rd	**Date Prepared:** 7/8/2026

This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.

A. GENERAL INFORMATION

01	Project Location (city)	Rancho Cordova	04	Total Conditioned Floor Area (ft²)	7,803
02	Climate Zone	12	05	Total Unconditioned Floor Area (ft²)	0
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1

● Classroom ● Office ● Support Areas ● All Other Occupancies

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	Area Category Method	7803	Area Category Method	0
☐ New Lighting System - Parking Garage				
Total Area of Work (ft²)	7803		0	

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

Studio W Architects
1930 H Street
Sacramento, California 95811
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LP CONSULTING ENGINEERS
MEP & FS / Sustainability / CxA
1209 Pleasant Grove Blvd.
Roseville, CA 95678
p 916-771-0778
www.lpengineers.com
Job #: 25-2132

ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M 34661 REN 12-31-26 MECHANICAL STATE OF CALIFORNIA

GENERAL NOTES

1. This sheet is part of a set and is not to be used alone.
2. This sheet is not to be used for construction unless the architect's stamp and signature appear on the drawings and the status box indicated drawings have been released for construction.
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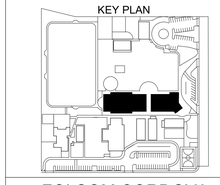
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

TITLE 24 COMPLIANCE

Date	Project Number
07/13/2026	25010.1
Application Number	**Drawing Number**
02-123800	2T24.4
Drawn / Author	Checked / Checker

PRINT DATE: 7/10/2026 8:58:53 AM
FILE PATH: Autodesk Docs://25-2132 FCUSD Cordova Villa ES/25-2132 FCUSD Cordova ES MP+FP_r23.rvt

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Admin	**Report Page:**	**(Page 6 of 9)**
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I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

RESTROOM	Restroom	0.65	77	50.1	No	No
RECEPTION	Lounge	0.55	710	390.5	No	No
STORAGE	All Other Space Types	0.4	268	107.2	No	No
CORRIDOR	Corridor	0.4	248	99.2	No	No
MEDIA CENTER	Classroom, Lecture, or Training Vocational	0.6	1,358	814.8	No	No
LOUNGE	Lounge	0.55	555	305.2	No	No
ELECTRICAL ROOM	Electrical Mechancial Telephone Room	0.4	73	29.2	No	No
ELECTRICAL ROOM	Electrical Mechancial Telephone Room	0.4	101	40.4	No	No
	TOTALS:		7,803	4,498.5	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

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STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Admin	**Report Page:**	**(Page 7 of 9)**
Project Address: 10359 S White Rock Rd	**Date Prepared:**	7/8/2026

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ashton Tafarrodi	Documentation Author Signature: Ashton Tafarrodi
Company: LP Consulting Engineers, Inc.	Signature Date: 2026-07-08
Address: 1209 Pleasant Grove Blvd	CEA/ HERS Certification Identification (if applicable): M40674
City/State/Zip: Roseville CA 95678	Phone: 916.771.0778

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Donny Lee	Responsible Designer Signature:
Company: Edge Electrical Consulting	Date Signed: 2026-07-08
Address: 400 R Street	License: E017376
City/State/Zip: Sacramento/CA/95811	Phone: 916.256.2460

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STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-PLB-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Admin	**Report Page:**	**(Page 3 of 6)**
	Date Prepared:	7/8/2026

G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM

This table is used to demonstrate compliance for nonresidential occupancies with distribution requirements in 120.3 and 140.5. For multifamily and hotel/motel occupancies, compliance is demonstrated with requirements 110.3(c), 160.4, 170.2(d).

Mandatory Pipe Insulation All Occupancies

13	☐	For systems serving dwelling units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A (see blow) except: • Piping that penetrates framing members shall not be required to have pipe insulation for the distance of the framing penetration. Piping that penetrates metal framing shall use grommets, plugs, wrapping or other insulating material to assure that no contact is made with the metal framing. Insulation shall abut securely against all framing members • Piping installed in interior or exterior walls shall not be required to have pipe insulation if all of the requirements are met for compliance with Quality Insulation Installation (QII) as specified in the Reference Residential Appendix RA3.5. • Piping surrounded with a minimum of 1 inch of wall insulation, 2 inches of crawlspace insulation, or 4 inches of attic insulation, shall not be required to have pipe insulation.
14	☒	For systems serving nonresidential spaces, pipe insulation for the following applications is specified to comply with Table 120.3-A (see below) per 120.3: • Recirculating system piping, including supply and return piping of the water heater • The first 8 ft of hot and cold outlet piping, including between storage tank and heat trap, for a nonrecirculating storage system • Pipes that are externally heated
15	☒	Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service per 120.3(b) / 160.4(f). Pipe insulation buried below grade must be installed in a water proof and non-crushable casing or sleeve.

TABLE 120.3-A / 160.4-A PIPE INSULATION THICKNESS

Fluid Temperature Range (°F)	Conductivity Range (Btu-in per hour per ft² per °F)	Insulation Mean Rating Temp (°F)	Nominal Pipe Diameter (in)			
			< 1	1 to < 1.5	1.5 to < 4	1.5 to < 4 Multifamily & Hotel/Motel
			Minimum Insulation Required			
105-140	0.22 - 0.28	100	1.0 in or R-7.7	1.5 in or R-12.5	1.5 in or R-11	2.0 in or R-16

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STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Admin	**Report Page:**	**(Page 5 of 9)**
	Date Prepared:	7/8/2026

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used .

Conditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
FC-A1	Corridor	0.4	1,318	527.2	No	No
FC-A2	Convention, Conference, Multipurpose and Meeting Center	0.75	561	420.8	No	No
FC-A3	Convention, Conference, Multipurpose and Meeting Center	0.75	246	184.5	No	No
FC-A4	Office (<=250 square feet)	0.65	215	139.8	No	No
FC-A5	Office (<=250 square feet)	0.65	156	101.4	No	No
FC-A6	Office (<=250 square feet)	0.65	155	100.8	No	No
FC-A7	Office (<=250 square feet)	0.65	119	77.4	No	No
FC-A8	Convention, Conference, Multipurpose and Meeting Center	0.75	131	98.2	No	No
FC-A9	Office (<=250 square feet)	0.65	93	60.4	No	No
FC-A10	Office (<=250 square feet)	0.65	93	60.4	No	No
FC-A11	Office (<=250 square feet)	0.65	344	223.6	No	No
FC-A12	Office (<=250 square feet)	0.65	100	65	No	No
FC-A13	Office (<=250 square feet)	0.65	200	130	No	No
FC-A14	Office (<=250 square feet)	0.65	120	78	No	No
FC-A15	Convention, Conference, Multipurpose and Meeting Center	0.75	292	219	No	No
FC-A16	Office (<=250 square feet)	0.65	93	60.4	No	No
FC-A17	Office (<=250 square feet)	0.65	93	60.4	No	No
FC-A18	Office (<=250 square feet)	0.65	84	54.6	No	No

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STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Admin	**Report Page:**	**(Page 8 of 9)**
	Date Prepared:	7/8/2026

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	Whole Building Time Switch;
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	Whole Building;
NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	Whole Building Demand Response;

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STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-PLB-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Admin	**Report Page:**	**(Page 2 of 6)**
	Date Prepared:	7/8/2026

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. DOMESTIC HOT WATER EQUIPMENT

This table is used to demonstrate compliance with mandatory equipment requirements in 110.1 and 110.3. Compliance with prescriptive requirements in 140.5(c) / 170.2(d) must also be demonstrated and with 141.0 / 180.1/ 180.2 for addition and alteration scopes.

Equipment Schedule: Water Heating Efficiency and Standby Loss

03		04		05		06	
System Name	AO SMITH DEL-20	Exception to 140.5(c)/ 170.2(d)3		☐	Gas Service Water Heating System >= 1MMBtu/h[1]	Capacity-weighted Average Efficiency %	
07	08	09	10	11	12	13	14	15
Name or Item Tag	Equipment Type	Volume (gal)	Rated Input Capacity (Btu/h)	Max GPM/ First Hour Rating (FHR)	Rated Efficiency	Minimum Efficiency Required	Efficiency Unit	Designed Standby Loss	Maximum Standby Loss
AO SMITH DEL-20	Consumer Rated Electric Storage	20	20,472	18 <= FHR <51	0.94	0.93	UEF		

[1]*FOOTNOTE: In systems >= 1MMBtu/h with multiple units, gas water heaters with input capacity > 100,000 Btu/h may meet 90% Et requirements via an input capacity-weighted average.*

Water Heating Equipment All Occupancies

	Yes	No	Not Applicable	Requirement
18	☐	☐	☒	Unfired storage tank insulation shall have Internal + External >=R-16 OR External >=R-3.5. Label required per 110.3(c)3
19	☐	☐	☒	New state buildings 60% of energy for service water heating from site solar energy or recovered energy per 110.3(c)5
20	☐	☐	☒	Isolation valves for instantaneous water heater with input rating >6.8 kBTUH or 2 kW has been specified per 110.3(c)6
21	☐	☐	☒	School buildings < 25,000 ft² and < 4 stories must install a heat pump water heating system per 140.5(a)1. Water heating systems serving an individual bathroom space may be an instantaneous electric water heater.

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STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Admin	**Report Page:**	**(Page 4 of 9)**
	Date Prepared:	7/8/2026

F. INDOOR LIGHTING FIXTURE SCHEDULE

[1]*FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*

[2]*Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.*

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
		Field Inspector	
		Pass	Fail
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C	☐	☐
Required >= 4,000W subject to multilevel	Whole Building Auto Time Switch		

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector	
								Pass	Fail
Whole Building	All Other Space Types	Readily Accessible	Dimmer	See Building Level	Included	Included	No	☐	☐
								13	
								Plan Sheet Showing Daylit Zones:	
								2E2.1.3	

Generated Date/Time: Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance — Report Version: 2022.0.000; Schema Version: rev 20220101 — Compliance ID: EPR-4955-0726-0004; Report Generated: 2026-07-08 14:26:34

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Admin	**Report Page:**	**(Page 7 of 9)**
	Date Prepared:	7/8/2026

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

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STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-PLB-E
This document is used to demonstrate compliance for nonresidential occupancies with requirements in 110.1, 110.3, 120.3, and 140.5, and with requirements in 141.0 for additions and alterations, for domestic water heating scopes using the prescriptive path. For high-rise residential and hotel/motel occupancies compliance is demonstrated with requirements in 110.1, 110.3, 160.4 and 170.2(d), and with requirements 180.1 for additions and 180.2 for alterations.		
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Admin	**Report Page:**	**(Page 1 of 6)**
Project Address: 10359 S White Rock Rd	**Date Prepared:**	7/8/2026

A. GENERAL INFORMATION

01	Project Location (city)	Rancho Cordova	02	Climate Zone	12
03	Occupancy Types Within Project (select all that apply):				

● Classroom ● Office ● Support Areas ● All Other Occupancies

B. PROJECT SCOPE

This table includes domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in 140./ 170.2(d) and 141.0(a)/ 180.1, or 141.0(b)2N / 180.2 for additions or alterations. Solar water heating systems are documented on the NRCC-SAB compliance document. Combined hydronic water heating systems are documented on the NRCC-MCH compliance document.

01	02	03	
My project consists of (check all that apply):	System Type[1,2]	System Components	
☒ New system (DHW system being installed for the first time)	Individual System (serving nonresidential spaces)	☒ Equipment	☒ Distribution ☒ Controls
☐ System Alteration (equipment, distribution or controls)		☐ Equipment	☐ Distribution ☐ Controls

[1]*FOOTNOTES: Point of use water heaters, or other non-central systems used to serve nonresidential spaces, are considered individual systems.*

[2] *Dwelling units refers to hotel/motel guest rooms and units in a multifamily residential occupancy.*

[3] *DHW systems serving 2 or more dwelling units are considered "Central Systems" for multifamily occupancies*

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with water heating requirements. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. or the table indicated as not compliant for guidance.

01	02	03	04
Domestic Hot Water Equipment	Distribution Systems	Controls	**Compliance Results**
Table F	Table G	Table H	
Yes	Yes	Yes	COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

Studio W Architects
1930 H Street
Sacramento, California 95811
[T] 916.254.5600
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LP CONSULTING ENGINEERS
MEP & FS / Sustainability / CxA
1209 Pleasant Grove Blvd.
Roseville, CA 95678
p 916-771-0778
www.lpengineers.com
Job #: 25-2132

ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M 34661 REN 12-31-26 MECHANICAL STATE OF CALIFORNIA

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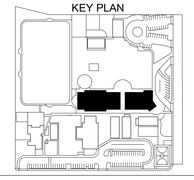
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

TITLE 24 COMPLIANCE

Date 07/13/2026
Project Number 25010.1
Application Number 02-123800
Drawing Number 2T24.5
Drawn
Checked
Author
Checker

PRINT DATE: 7/10/2026 8:58:55 AM
FILE PATH: Autodesk Docs://25-2132 FCUSD Cordova Villa ES/25-2132 FCUSD Cordova Villa ES MP+FP_23.rvt

STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-PLB-E
Project Name:	Cordova Villa ES - Mod Ph1 Inc 2 Admin	**Report Page:** (Page 6 of 6)
Project Address:	10359 S White Rock Rd	**Date Prepared:** 7/8/2026

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Ashton Tafarrodi	
Company:	Signature Date:
LP Consulting Engineers, Inc.	2026-07-08
Address:	CEA/ HERS Certification Identification (if applicable):
1209 Pleasant Grove Blvd	M40674
City/State/Zip:	Phone:
Roseville CA 95678	916.771.0778

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Jason DeDora	
Company:	Date Signed:
LP Consulting Engineers	2026-07-08
Address:	License:
1209 Pleasant Grove Blvd	M34661
City/State/Zip:	Phone:
Roseville CA 95678	916.771.0778

STATE OF CALIFORNIA
Solar And Battery
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SAB-E
Project Name:	Cordova Villa ES - Mod Ph1 Inc 2 Admin	**Report Page:** (Page 3 of 4)
		Date Prepared: 7/8/2026

F. ALLOCATED SOLAR ZONE

This section does not apply to this project.

G. PERMANENTLY INSTALLED SOLAR PV FOR SOLAR READY EXCEPTION

This section does not apply to this project.

H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEMS

This section does not apply to this project.

I. SMART THERMOSTATS AND ALTERNATIVE EFFICIENCY MEASURE FOR SOLAR READY EXCEPTION

This section does not apply to this project.

J. PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS

This section does not apply to this project.

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included Table E. Additional Remarks and ExceptionalConditionMessageCCSABE += UserChangedSelectionInCI. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-SAB-01-E - Must be submitted for all buildings that must comply with solar readiness or PV/Battery requirements.

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-PLB-E
Project Name:	Cordova Villa ES - Mod Ph1 Inc 2 Admin	**Report Page:** (Page 5 of 6)
		Date Prepared: 7/8/2026

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-PLB-E - Must be submitted for all buildings

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

STATE OF CALIFORNIA
Solar And Battery
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SAB-E
Project Name:	Cordova Villa ES - Mod Ph1 Inc 2 Admin	**Report Page:** (Page 2 of 4)
		Date Prepared: 7/8/2026

Compliance with Solar Thermal Water Heating Requirements in 170.2(d)3C (Multifamilly and hotel/ motel occupancies only)

01	
☐	The project includes a hotel/motel or multifamily occupancy with a gas or propane central water-heating system (serves 2+ dwelling units) and includes a permanently installed domestic solar water-heating system to comply with 170.2(d)3C and Reference Residential Appendix RA4, as documented in Table H. Compliance meets Exception 2 to solar ready requirements in 110.10(b).

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance or see the applicable Table referenced below.

Allocated Solar Zone				Installed PV System				Installed SWH System				Smart Tstat and Alternative EE Measure		Compliance Results
01			02		03		04		05		06	07	08	
Required Minimum Area (ft²)	<=		Designated Area (ft²)	OR	Required Minimum DC Power Rating (Watts)	<=	Designed DC Power Rating (Watts)	OR	Required Minimum Solar Savings Fraction	<=	Designed/Rated Solar Savings Fraction	OR	JA5 Compliant Thermostat Specified?	Alternative Energy Efficiency Measure	
(See Table F)					(See Tables G or J)				(See Table H)				(See Table I)		
	<=			OR		<=		OR		<=		OR			
					Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(c).										
Battery storage system design meets the minimum requirements in Joint Appendix JA12 and the minimum energy (kWh)/ power (kW) capacity per Table J.															COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table is includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-PLB-E
Project Name:	Cordova Villa ES - Mod Ph1 Inc 2 Admin	**Report Page:** (Page 4 of 6)
		Date Prepared: 7/8/2026

H. DOMESTIC HOT WATER CONTROLS

This table is used to demonstrate compliance with control requirements in 110.3 for all occupancies. For multifamily residential and hotel/motel occupancies, compliance is also demonstrated with requirements in 160.4(e) / 170.2(d).

	Yes	No	Not Applicable	Requirement
01	☒	☐	☐	Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls capable of adjusting temperature settings per 110.3(a).
02	☐	☐	☒	Systems with capacity > 167,000 BTUH equipped with outlet temperature controls per 110.3(c)1 unless covered by California Plumbing Code 613.0.
03	☐	☐	☒	Controls for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per §110.3(c)2 unless systems serves healthcare facility.
04	☐	☐	☒	For recirculation systems serving multiple dwelling units, design includes automatic pump controls per 170.2(d) or 180.1(b)3 for additions.
05	☐	☐	☒	For recirculation systems serving individual dwelling units, design includes manual on/off controls as specified in Reference Appendix RA4.4.9 per 170.2(d).
06	☐	☐	☒	Combustion air positive shut-off shall be provided per 160.4(3).on all newly installed commercial boilers as follows: • Boilers with input capacity >= 2.5 MMBtu/h, in which the boiler is designed to operate with a nonpositive vent static pressure • Boilers where one stack serves two or more boilers with a total combined input capacity per stack of 2.5 MMBtu/h.
07	☐	☐	☒	Boiler combustion air fans with motor >= 10 hp shall meet one of the following • The fan motor shall be driven by a variable speed drive OR • The fan motor shall include controls that limit the fan motor demand to <=30% of the total design wattage at 50% of the design air volume.
08	☐	☐	☒	Newly installed boilers with an input capacity (d:gte/] 5MMBtu/h and a steady state full-load combustion efficiency < 90% shall maintain excess (stack-gas) oxygen concentrations <= 5% by volume on a dry basis over firing rates of 20-100%. Combustion air volume shall be controlled with respect to firing rate or flue gas oxygen concentration. Use of a common gas and combustion air control linkage or jack shaft is prohibited.

STATE OF CALIFORNIA
Solar And Battery
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SAB-E
Project Name:	Cordova Villa ES - Mod Ph1 Inc 2 Admin	**Report Page:** (Page 1 of 4)
Project Address:	10359 S White Rock Rd	**Date Prepared:** 7/8/2026

This document is used to demonstrate compliance with prescriptive PV and battery requirements in 140.10/ 170.2 for nonresidential, multifamily and mixed-use buildings and prescriptive solar thermal requirements in 170.2(d)3C for multifamily and hotel/ motel occupancies. When PV/battery/solar thermal requirements don't apply or are traded using the performance approach, this document demonstrates compliance with mandatory solar readiness requirements in 110.10/ 160.8 for newly constructed buildings which are either multifamily ten stories or fewer, hotel/motel ten stories or fewer or all other nonresidential buildings three stories or fewer. It is also used to demonstrate compliance with solar readiness in 110.10/ 160.8 for additions to nonresidential, multifamily or hotel/motel building types which add more than 2,000 ft² of roof area. Alterations, or additions of less than 2,000 ft² of roof area, are not required to comply with solar readiness, solar PV and battery requirements and do not need to complete this document.

A. GENERAL INFORMATION

01	Project Location (city)	Rancho Cordova	04 Building Occupancies: All Other OccupanciesOfficeSupport Areas
02	Climate Zone	12	05 Construction Type: New construction
03	Conditioned Floor Area (ft²)	7803	06 Number of Stories: Bldg <= 3 stories

B. PROJECT SCOPE

The compliance path the project is using to comply per 110.10(b)1B/ 140.10/ 170.2(g and h) is indicated below.

Compliance with Solar Photovoltaic (PV) and Battery Requirements in 140.10/ 170.2(g and h)

01		
☐	Provided PV system and battery storage sized per 140.10/ 170.2 (g and h)	The project has included an installed PV system and battery storage system per requirements in 140.10/ 170.2(g and h) as documented in Table J.
☐	Exception to PV and Battery: Not enough Solar Access Roof Area	The total of all available Solar Access Roof Area(s) of the project site is less than three percent of the conditioned floor area as documented in Table J.
☐	Exception to PV and Battery: Required PV < 4kW	The required PV system size is less than 4 kW dc as documented in Table J..
☐	Exception to PV and Battery: No contiguous Solar Access Roof Area	The Solar Access Roof Area(s) of the project site contains less than 80 contiguous square feet as documented in Table J.
☐	Exception to PV and Battery: Can't meet snow load	The project has a roof design where the enforcement authority has verified it is not possible for the PV system, including panels, modules, components, supports, and attachments to the roof structure, to meet ASCE 7-16 Chapter 7, Snow Loads.
☐	Exception to PV and Battery: Multi-tenant without VNEM or Community Solar	The project is a multi-tenant building in an area where a load serving entity does not provide either a Virtual Net Metering (VNEM) or community solar program.
☒	The prescriptive PV/battery requirement has been traded off using the performance compliance approach as documented on the PRF Certificate of Compliance form.	

STATE OF CALIFORNIA
Solar And Battery
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-SAB-E
Project Name:	Cordova Villa ES - Mod Ph1 Inc 2 Admin	**Report Page:** (Page 4 of 4)
Project Address:	10359 S White Rock Rd	**Date Prepared:** 7/8/2026

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Ashton Tafarrodi	
Company:	Signature Date:
LP Consulting Engineers, Inc.	2026-07-08
Address:	CEA/ HERS Certification Identification (if applicable):
1209 Pleasant Grove Blvd	M40674
City/State/Zip:	Phone:
Roseville CA 95678	916.771.0778

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Brian P Whitmore	
Company:	Date Signed:
Studio W Architects	2026-07-08
Address:	License:
1930 H St	C30345
City/State/Zip:	Phone:
Sacramento CA 95811	916.254.5600

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DATE: 07/31/2026

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Sacramento, California 95811
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www.StudioW-Architects.com

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MEP & FS / Sustainability / CxA
1209 Pleasant Grove Blvd.
Roseville, CA 95678
p 916-771-0778
www.lpengineers.com
Job #: 25-2132

ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M 34661 REN 12-31-26 MECHANICAL STATE OF CALIFORNIA

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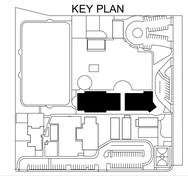
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

TITLE 24 COMPLIANCE

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2T24.6
Drawn / Checked	
Author / Checker	

PRINT DATE: 7/10/2026 8:58:56 AM
FILE PATH: Autodesk Docs://25-2132 FCUSD Cordova Villa ES/25-2132 FCUSD Cordova ES MP-FP_23.rvt

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — **NRCC-PRF-E**

Nonresidential Performance Compliance Method — **(Page 1 of 26)**

Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Classroom B | **Date Prepared:** 2026-06-25

A. General Information

1	Project Name	Cordova Villa ES - Mod Ph1 Inc 2 Classroom B			
2	Run Title	Title 24 Analysis			
3	Project Location	10359 S White Rock Rd			
4	City	Rancho Cordova	5	Standards Version	Compliance 2022
6	Zip code	95670	7	Compliance Software (version)	EnergyPro 9.4
8	Climate Zone	12	9	Building Orientation (deg)	0
10	Building Type(s)	• Nonresidential	11	Weather File	SACRAMENTO-MATHER_STYP20.epw
12	Project Scope	• New complete scope	13	Number of Dwelling Units	0
14	Total Conditioned Floor Area in Scope (ft²)	12152	15	Total # of hotel/motel rooms	0
16	Total Unconditioned Floor Area (ft²)	621	17	Fuel Type	Natural gas
18	Nonresidential Conditioned Floor Area	12152	19	Total # of Stories (Habitable Above Grade)	1
20	Residential Conditioned Floor Area	0			

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance — Report Version: 2022.0.000 Schema Version: rev 20220601 — Report Generated: 2026-06-25 07:41:32 Compliance ID: EnergyPro-4955-0626-0560

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — **NRCC-PRF-E**

Nonresidential Performance Compliance Method — **(Page 2 of 26)**

B. PROJECT SUMMARY

Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within the permit application.

Building Components Complying via Performance						Building Components Complying Prescriptively	
Envelope (See Table G)	Nonres	Performance	Solar Thermal Water Heating (See Table I3)	☐	Performance	The following building components are ONLY eligible for prescriptive compliance and should be documented on the NRCC form listed if within the scope of the permit application (i.e. compliance will not be shown on the NRCC-PRF-E).	
	MultiFam	Not Included		☒	Not Included		
Mechanical (See Table H)	Nonres	Performance	Covered Process: Commercial Kitchens (see Table J)	☐	Performance	Indoor Lighting (Unconditioned) 140.6 & 170.2(e)	NRCC-LTI-E is required
	MultiFam	Not Included		☒	Not Included	Outdoor Lighting 140.7 & 170.2(e)	NRCC-LTO-E is required
Domestic Hot Water (See Table I)	Nonres	Performance	Covered Process: Laboratory Exhaust (see Table J)	☐	Performance	Sign Lighting 140.8 & 170.2(e)	NRCC-LTS-E is required
	MultiFam	Not Included		☒	Not Included	**Building Components Complying with Mandatory Measures**	
Lighting (Indoor Conditioned, see Table K)	Nonres	Performance	Photovoltaics (see Table F)	☒	Performance	Electrical power systems, commissioning, solar ready, elevator and escalator requirements are mandatory and should be documented on the NRCC form listed if applicable (i.e. compliance will not be shown on the NRCC-PRF-E.)	
	MultiFam	Not Included		☐	Not Included	Electrical Power Distribution 110.11	NRCC-ELC-E is required
			Battery (see Table F)	☐	Performance	Commissioning 120.8	NRCC-CXR-E is required
				☒	Not Included	Solar and Battery 110.10	NRCC-SAB-E is required

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — **NRCC-PRF-E**

Nonresidential Performance Compliance Method — **(Page 3 of 26)**

C1. COMPLIANCE SUMMARY

COMPLIES[3]

	Time Dependent Valuaton (TDV)		Source Energy Use
	Efficiency[3] (kBtu/ft² - yr)	**Total[2] (kBtu/ft² - yr)**	**Total[2] (kBtu/ft² - yr)**
Standard Design	222.46	167.28	14.92
Proposed Design	209.43	156.82	14.54
Compliance Margins	**13.03**	**10.46**	**0.38**
	Pass	**Pass**	**Pass**

[1] Efficiency measures include improvements like a better building envelope and more efficient equipment
[2] Compliance Totals include efficiency, photovoltaics and batteries
[3] New Construction, Complete Addition Scope: Building complies when all efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded
Existing, Addition and Alteration Scope: Building complies when efficiency compliance margin is greater than or equal to zero and unmet load hour limits are not exceeded

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — **NRCC-PRF-E**

Nonresidential Performance Compliance Method — **(Page 4 of 26)**

C2. TDV ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft² - yr)

COMPLIES[2]

Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)[1]
Space Heating	30.1	15.57	14.53
Space Cooling	57.02	40.94	16.08
Indoor Fans	85.63	100.99	-15.36
Heat Rejection	0	0	0
Pumps & Misc.	0	0	0
Domestic Hot Water	19.65	30.3	-10.65
Indoor Lighting	30.06	21.63	8.43
Flexibility	---	---	---
EFFICIENCY COMPLIANCE TOTAL	**222.46**	**209.43**	**13.03 (5.9%)**
Photovoltaics	-49.66	-52.61	2.95
Batteries	-5.52	---	-5.52
TOTAL COMPLIANCE	**167.28**	**156.82**	**10.46 (6.3%)**

[1] Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — **NRCC-PRF-E**

Nonresidential Performance Compliance Method — **(Page 5 of 26)**

C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONENTS[1]

Non-Regulated Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)[1]
Receptacle	54.58	54.58	---
Process	---	---	---
Other Ltg	1.72	1.72	---
Process Motors	1.7	1.57	0.13
TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	**225.28**	**214.69**	**10.59 (4.7%)**

[1] Notes: This table is not used for Energy Code Compliance.

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — **NRCC-PRF-E**

Nonresidential Performance Compliance Method — **(Page 6 of 26)**

C4. SOURCE ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual SOURCE Energy Use, kBtu/ft² /yr)

COMPLIES[2]

Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE)[1]
Space Heating	4.06	2	2.06
Space Cooling	2.09	1.73	0.36
Indoor Fans	7.33	8.69	-1.36
Heat Rejection	0	0	0
Pumps & Misc.	0	0	0
Domestic Hot Water	1.69	2.22	-0.53
Indoor Lighting	2.42	1.74	0.68
Flexibility	---	---	---
EFFICIENCY COMPLIANCE TOTAL	**17.59**	**16.38**	**1.21 (6.9%)**
Photovoltaics	-1.76	-1.84	0.08
Batteries	-0.91	---	-0.91
TOTAL COMPLIANCE	**14.92**	**14.54**	**0.38 (2.5%)**

[1] Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance — Report Version: 2022.0.000 Schema Version: rev 20220601 — Report Generated: 2026-06-25 07:41:32 Compliance ID: EnergyPro-4955-0626-0560

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — **NRCC-PRF-E**

Nonresidential Performance Compliance Method — **(Page 7 of 26)**

C5. SOURCE ENERGY RESULTS FOR NON-REGULATED COMPONENTS[1]

Non-Regulated Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE)[1]
Receptacle	4.1	4.1	---
Process	---	---	---
Other Ltg	0.14	0.14	---
Process Motors	0.14	0.13	0.01
TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	**19.3**	**18.91**	**0.39 (2%)**

[1] Notes: This table is not used for Energy Code Compliance.

C6. 'ABOVE CODE' QUALIFICATIONS

☐ This project is pursuing CalGreen Tier 1 ☐ This project is pursuing CalGreen Tier 2

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — **NRCC-PRF-E**

Nonresidential Performance Compliance Method — **(Page 8 of 26)**

C7. ENERGY USE SUMMARY

Energy Component	Standard Design Site (MWh)	Proposed Design Site (MWh)	Margin (MWh)	Standard Design Site (MBtu)	Proposed Design Site (MBtu)	Margin (MBtu)
Space Heating	11.6	6.2	5.4	---	---	---
Space Cooling	15.7	10.5	5.2	---	---	---
Indoor Fans	36.8	43.7	-6.9	---	---	---
Heat Rejection	---	---	---	---	---	---
Pumps & Misc.	---	---	---	---	---	---
Domestic Hot Water	10	15.5	-5.5	---	---	---
Indoor Lighting	14	10.1	3.9	---	---	---
Flexibility	---	---	---	---	---	---
EFFICIENCY TOTAL	**88.1**	**86**	**2.1**	**0**	**0**	**0**
Photovoltaics	-30.9	-32.3	1.4	---	---	---
Batteries	0.3	---	---	---	---	---
ENERGY USE SUBTOTAL	**57.5**	**53.7**	**3.8**	**0**	**0**	**0**
Receptacle	26.8	26.8	0	---	---	---
Process	---	---	---	---	---	---
Other Ltg	0.8	0.8	0	---	---	---
Process Motors	0.7	0.7	0	---	---	---
ENERGY USE TOTAL	**85.8**	**82**	**3.8**	**0**	**0**	**0**

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance — Report Version: 2022.0.000 Schema Version: rev 20220601 — Report Generated: 2026-06-25 07:41:32 Compliance ID: EnergyPro-4955-0626-0560

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — **NRCC-PRF-E**

Nonresidential Performance Compliance Method — **(Page 9 of 26)**

C8. ENERGY USE INTENSITY (EUI)

	Standard Design (kBtu/ft² / yr)	Proposed Design (kBtu/ft² / yr)	Margin (kBtu/ft² / yr)	Margin Percentage
GROSS EUI[1]	31.17	30.53	0.64	2.05
NET EUI[1]	22.92	21.9	1.02	4.45

[1] Notes: Gross EUI is Energy Use Total (not including PV)/Total Building Area. Net EUI is Energy Use Total (including PV)/Total Building Area.

D1. EXCEPTIONAL CONDITIONS

• The project uses the Simplified Geometry Performance Modeling Approach which is not capable of modeling daylighting controls and assumes the prescriptive Secondary Daylit Control requirements are met. PRESCRIPTIVE COMPLIANCE documentation (form NRCC-LTI-02-E) for the requirements of section 140.6(d) Automatic Daylighting Controls in Secondary Daylit Zones is required.
• The user model includes space(s) that are designed to be served by mechanical cooling systems, but the cooling systems were not included in the simulation model. A cooling system has been modeled for both the proposed and standard cases.
• The user model includes space(s) without sufficient cooling equipment. Cooling equipment has been added to the model to meet cooling loads.
• PV/Battery Building Type has been modified from software defaults for one or more spaces. Review project's PV/Battery Building Type(s) with documentation author. Refer to Energy Code section 140.10 for Nonresidential or 170.2(g) for more information.

F1. REQUIRED PV SYSTEMS

01	02	03	04	05	06	07	08	09	10	11	12
DC System Size (kWdc)	**Exception[1]**	**Module Type**	**Array Type**	**Power Electronics**	**CFI**	**Azimuth (deg)**	**Tilt Input**	**Array Angle (deg)**	**Tilt: (x in 12)**	**Inverter Eff. (%)**	**Annual Solar Access (%)**
19.8		Standard (14-17%)	Fixed	none	false	180	Degrees	22	4.85	96	100

[1] See Table D1 for any PV exceptions used.

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DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

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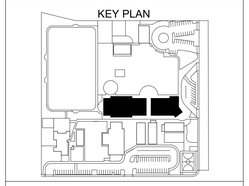
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

TITLE 24 COMPLIANCE

Date 07/13/2026 | Project Number 25010.1
Application Number 02-123800 | Drawing Number 2T24.7
Drawn Author | Checked Checker

PRINT DATE: 7/10/2026 8:58:57 AM
FILE PATH: Autodesk Docs://25-2132 FOUSD Cordova Villa ES/25-2132 FOUSD Cordova ES MP+FP .r23.rvt

G6A. OPAQUE DOOR SUMMARY (NONRESIDENTIAL)

01	02	03	04
Assembly Name	Area (ft²)	Overall U-factor	Status[1]
Insulated Door14	357	0.2	N

[1] *Status: N - New, A - Altered, E - Existing*

G7A. FENESTRATION ASSEMBLY SUMMARY (NONRESIDENTIAL)

01	02	03	04	05	06	07	08	09
Fenestration Assembly Name	Fenestration Type/ Product Type / Frame Type	Certification Method[1]	Assembly Method	Area (ft²)	Overall U-factor	Overall SHGC	Overall VT	Status[2]
PPG SOLARBAN 70 XL Clear	Vertical fenestration Operable window N/A	NFRC	Site built	909	0.39	0.21	0.4	N

[1] *Notes: Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Center of Glass (COG) values are for the glass-only, determined by the manufacturer, and are shown for ease of verification. Site-built fenestration values are calculated per Nonresidential Appendix NA6 and are used in the analysis.*
[2] *Status: N - New, A - Altered, E - Existing*

G4. NONRESIDENTIAL AIR BARRIER

01	02
Building Story Name	Air Barrier
Com-Floor 1	No air barrier

G5. OPAQUE SURFACE ASSEMBLY SUMMARY

01	02	03	04	05	06		07	08	09	10
Surface Name	Construction Type	Area (ft²)	Framing Type	Cavity R-Value	Continuous R-Value		Units	Value	Description of Assembly Layers	Status[1]
					Interior	Exterior				
Slab On Grade9	Underground Floor	12,773	N/A	0	N/A	N/A	F-factor	0.73	Slab Type =Unheated slab on grade Insulation Orientation =None Insulation R-Value =none	N
R-19 Wall11	Exterior Wall	7,190.5	Wood	19	N/A	N/A	U-factor	0.0651	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Plywood - 1/2 in. Composite-1 Gypsum Board - 5/8 in.	N
R-30 Roof No Attic18	Roof	12,773	Wood	0	N/A	30	U-factor	0.0296	Single Ply Roofing - 1/4 in. Vapor permeable felt - 1/8 in. Extruded Polystyrene - XPS - 6 in. R30.00 Plywood - 1/2 in. Air - Cavity - Wall Roof Ceiling - 4 in. or more Composite-2 Gypsum Board - 5/8 in.	N
Interior R-19 Wall20	Interior Wall	14,285	Wood	19	N/A	N/A	U-factor	0.0631	Gypsum Board - 5/8 in. Plywood - 1/2 in. Composite-3 Gypsum Board - 5/8 in.	N

[1] *Status: N - New, A - Altered, E - Existing*

F1B. PV BATTERY BUILDING TYPE(S)

01	02	03
Building Occupancy Type* (From Table 140.10-A/B and 170.2-U/V)	Conditioned Floor Area (ft²)	Unconditioned Floor Area (ft²)
Grocery	0	0
High-Rise Multifamily	0	0
Office, Financial Institutions, Unleased Tenant Space	0	0
Retail	0	0
School	12152	621
Warehouse	0	0
Auditorium, Convention Center, Hotel/Motel, Library, Medical Office Building/Clinic, Restaurant, Theater	0	0
None	0	0

* *Building Occupancy Types are defined in Section 100.1 of the Energy Code*

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)

01	02	03	04
Opaque Surfaces & Orientation	Total Gross Surface Area (ft²)	Total Fenestration Area (ft²)	Window to Wall Ratio (%)
North-Facing[1]	2153	360	16.72
East-Facing[2]	575.25	58.5	10.17
South-Facing[3]	2279	432	18.96
West-Facing[4]	1081.5	58.5	5.41
Total	**6088.75**	**909**	**14.93**
Roof	12152	0	0

Notes
[1] *North-Facing is oriented to within 45 degrees of true north, including 4500'00" east of north (NE), but excluding 4500'00" west of north (NW),*
[2] *East-Facing is oriented to within 45 degrees of true east, including 4500'00" south of east (SE), but excluding 4500'00" north of east (NE),*
[3] *South-Facing is oriented to within 45 degrees of true south, including 4500'00" west of south (SW), but excluding 4500'00" east of south (SE),*
[4] *West-Facing is oriented to within 45 degrees of true west, including 4500'00" north of west (NW), but excluding 4500'00" south of west (SW),*

H1. DRY SYSTEM EQUIPMENT (FURNACES, AIR HANDLING UNITS, HEAT PUMPS, VRF, ECONOMIZERS ETC.)

01	02	03	04	05	06	07	08	09	10	11	12
			Heating				Cooling				
Equipment Name	Equipment Type	Qty	Total Heating Output (kBtu/h)	Supp Heat Output (kBtu/h)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency	Economizer Type (if present)	Status[1]
PHP-B2	Single Zone Heat Pump (SZHP) Air System	1	45	0	HSPF2	8.2	43.3	EER2 SEER2	12 16	Fixed DB	N
PHP-B3	Single Zone Heat Pump (SZHP) Air System	1	45	0	HSPF2	8.2	43.3	EER2 SEER2	12 16	Fixed DB	N
PHP-B4	Single Zone Heat Pump (SZHP) Air System	1	45	0	HSPF2	8.2	43.3	EER2 SEER2	12 16	Fixed DB	N
PHP-B5	Single Zone Heat Pump (SZHP) Air System	1	45	0	HSPF2	8.2	43.3	EER2 SEER2	12 16	Fixed DB	N
PHP-B6	Single Zone Heat Pump (SZHP) Air System	1	45	0	HSPF2	8.2	43.3	EER2 SEER2	12 16	Fixed DB	N
PHP-B7	Single Zone Heat Pump (SZHP) Air System	1	45	0	HSPF2	8.2	43.3	EER2 SEER2	12 16	Fixed DB	N
PHP-B8	Single Zone Heat Pump (SZHP) Air System	1	45	0	HSPF2	8.2	43.3	EER2 SEER2	12 16	Fixed DB	N
PHP-B9	Single Zone Heat Pump (SZHP) Air System	1	45	0	HSPF2	8.2	43.3	EER2 SEER2	12 16	Fixed DB	N

[1] *Status: N - New, A - Altered, E - Existing*

G9. FIN DETAILS

01	02	03	04	05
Fenestration Tag/ ID	Left Fin		Right Fin	
	Depth (ft)	Distance Left from Window (ft)	Depth (ft)	Distance Right from Window (ft)
Window12	1	0.1	1	0.1
Window24	1	0.1	1	0.1
Window32	1	0.1	1	0.1
Window39	1	0.1	1	0.1
Window57	1	0.1	1	0.1
Window72	4	0.1	4	0.1
Window74	4	0.1	4	0.1
Window110	1	0.1	1	0.1
Window119	1	0.1	1	0.1
Window127	1	0.1	1	0.1
Window134	1	0.1	1	0.1
Window148	1	0.1	1	0.1
Window155	1	0.1	1	0.1

H1. DRY SYSTEM EQUIPMENT (FURNACES, AIR HANDLING UNITS, HEAT PUMPS, VRF, ECONOMIZERS ETC.)

01	02	03	04	05	06	07	08	09	10	11	12
			Heating				Cooling				
Equipment Name	Equipment Type	Qty	Total Heating Output (kBtu/h)	Supp Heat Output (kBtu/h)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency	Economizer Type (if present)	Status[1]
PHP-B1	Single Zone Heat Pump (SZHP) Air System	1	45	0	HSPF2	8.2	43.3	EER2 SEER2	12 16	Fixed DB	N

[1] *Status: N - New, A - Altered, E - Existing*

G8. OVERHANG DETAILS

01	02	03	04	05	06	07
Fenestration Tag/ ID	Azimuth	Depth (ft)	Height from Top of Sill to Overhang (ft)	Right Extent (ft)	Left Extent (ft)	Flap Height
Window12	0	1	9.1	0.1	0.1	N/A
Window24	0	1	9.1	0.1	0.1	N/A
Window32	0	1	9.1	0.1	0.1	N/A
Window39	0	1	9.1	0.1	0.1	N/A
Window57	0	1	9.1	0.1	0.1	N/A
Window72	90	4	9.1	1.5	1.5	N/A
Window74	270	4	9.1	1.5	1.5	N/A
Window110	180	1	9.1	0.1	0.1	N/A
Window119	180	1	9.1	0.1	0.1	N/A
Window127	180	1	9.1	0.1	0.1	N/A
Window134	180	1	9.1	0.1	0.1	N/A
Window148	180	1	9.1	0.1	0.1	N/A
Window155	180	1	9.1	0.1	0.1	N/A

H5. GENERAL EXHAUST FAN SUMMARY

01	02	03	04	05	06	07	08
System ID	Zone Name	Qty	CFM	Power	Power Units	Continuous Operation?	Status[1]
RESTROOM44-EF	5-RESTROOM	1	100	0.02	BHP	No	N
RESTROOM61-EF	6-RESTROOM	1	100	0.02	BHP	No	N
UNCONDITIONED RR77-EF	7-UNCONDITIONED RR	1	850	0.18	BHP	No	N
RESTROOM139-EF	13-RESTROOM	1	100	0.02	BHP	No	N

[1] *Status: N - New, A - Altered, E - Existing*

H8. SYSTEM SPECIAL FEATURES

01	02	03	04
System Name	Equipment Type	Interlocks per 140.4(n)[1]	Other Special Features and Controls
PHP-B1	Single Zone Heat Pump (SZHP) Air System	No	Zone(s) With CO2 Sensor Vent. Control Fixed DB
PHP-B2	Single Zone Heat Pump (SZHP) Air System	No	Zone(s) With CO2 Sensor Vent. Control Fixed DB
PHP-B3	Single Zone Heat Pump (SZHP) Air System	No	Zone(s) With CO2 Sensor Vent. Control Fixed DB
PHP-B4	Single Zone Heat Pump (SZHP) Air System	No	Zone(s) With CO2 Sensor Vent. Control Fixed DB
PHP-B5	Single Zone Heat Pump (SZHP) Air System	No	Zone(s) With CO2 Sensor Vent. Control Fixed DB
PHP-B6	Single Zone Heat Pump (SZHP) Air System	No	Fixed DB
PHP-B7	Single Zone Heat Pump (SZHP) Air System	No	Zone(s) With CO2 Sensor Vent. Control Fixed DB

Notes: This table includes controls related to the performance path only. For projects using the prescriptive path, mandatory and prescriptive controls requirements are documented on the NRCC-MCH-E.
[1] *Yes = interlocks are provided, No = interlocks are not provided, NA means no operable openings.*

H3. NONRESIDENTIAL / COMMON USE AREA FAN SYSTEMS SUMMARY

01	02	03	04	05	06	07	08	09	10	11	12	13
			Supply Fan				Return / Relief Fan					
Name or Item Tag	Qty	Design OA CFM	CFM	Power	Power Units	Control	Fan Type	CFM	Power	Power Units	Control	Status[1]
PHP-B1	1	332.12	1,600	0.95	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
PHP-B2	1	343.9	1,600	0.95	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
PHP-B3	1	343.9	1,600	0.95	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
PHP-B4	1	343.9	1,600	0.95	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
PHP-B5	1	305.9	1,600	0.95	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
PHP-B6	1	334.05	1,600	0.95	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
PHP-B7	1	332.12	1,600	0.95	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
PHP-B8	1	343.9	1,600	0.95	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
PHP-B9	1	343.9	1,600	0.95	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
PHP-B10	1	343.9	1,600	0.95	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
PHP-B11	1	305.9	1,600	0.95	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
PHP-B12	1	227.24	1,200	0.6	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
FC/HP-B1	1	93.5	335	0.06	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
IDU/ODU-B1	1	0	625	0.05	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
IDU/ODU-B2	1	0	625	0.05	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N

[1] *Status: N - New, A - Altered, E - Existing*

H1. DRY SYSTEM EQUIPMENT (FURNACES, AIR HANDLING UNITS, HEAT PUMPS, VRF, ECONOMIZERS ETC.)

01	02	03	04	05	06	07	08	09	10	11	12
			Heating				Cooling				
Equipment Name	Equipment Type	Qty	Total Heating Output (kBtu/h)	Supp Heat Output (kBtu/h)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency	Economizer Type (if present)	Status[1]
PHP-B10	Single Zone Heat Pump (SZHP) Air System	1	45	0	HSPF2	8.2	43.3	EER2 SEER2	12 16	Fixed DB	N
PHP-B11	Single Zone Heat Pump (SZHP) Air System	1	45	0	HSPF2	8.2	43.3	EER2 SEER2	12 16	Fixed DB	N
PHP-B12	Single Zone Heat Pump (SZHP) Air System	1	33	0	HSPF2	8	32.56	EER2 SEER2	12 16	Fixed DB	N
FC/HP-B1	Single Zone Heat Pump (SZHP) Air System	1	14.1	0	HSPF2	8.2	9.59	EER2 SEER2	11.8 16	No Economizer	N
IDU/ODU-B1	Single Zone Air Conditioner (SZAC) Air System	1	0	0	N/A	NA	26.4	EER2 SEER2	12 21	No Economizer	N
IDU/ODU-B2	Single Zone Air Conditioner (SZAC) Air System	1	0	0	N/A	NA	26.4	EER2 SEER2	12 21	No Economizer	N

[1] *Status: N - New, A - Altered, E - Existing*

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS
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CONSULTING ENGINEERS
MEP & FS / Sustainability / CxA
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Roseville, CA 95678
p 916-771-0778
www.lpengineers.com
Job #: 25-2132

ARCHITECT | ENGINEER

REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M-34661 REN-12-31-26 MECHANICAL STATE OF CALIFORNIA

GENERAL NOTES
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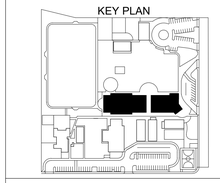
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

TITLE 24 COMPLIANCE

Date 07/13/2026
Project Number 25010.1
Application Number 02-123800
Drawing Number 2T24.8
Drawn Author
Checked Checker

PRINT DATE: 7/10/2026 8:58:59 AM
FILE PATH: Autodesk Docs://25-2102 FOUSD Cordova Villa ES\25-2132 FOUSD Cordova ES MP+FP_r23.rvt

H11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY

01	02	03	04	05	06	07	08	09	10	11	12
System ID	System Type	Qty	Rated Capacity (kBtuh)		Airflow (cfm)			Fan			VSD
			Heating	Cooling	Design	Min.	Min. Ratio	Power	Power Units	Cycles	
1-CLASSROOM-Trm	Uncontrolled	1	N/A	N/A	1,600	N/A	0	N/A	N/A	N/A	☐
2-CLASSROOM-Trm	Uncontrolled	1	N/A	N/A	1,600	N/A	0	N/A	N/A	N/A	☐
3-CLASSROOM-Trm	Uncontrolled	1	N/A	N/A	1,600	N/A	0	N/A	N/A	N/A	☐
4-CLASSROOM-Trm	Uncontrolled	1	N/A	N/A	1,600	N/A	0	N/A	N/A	N/A	☐
5-RESTROOM-Trm	Uncontrolled	1	N/A	N/A	1,600	N/A	0	N/A	N/A	N/A	☐
6-RESTROOM-Trm	Uncontrolled	1	N/A	N/A	1,600	N/A	0	N/A	N/A	N/A	☐
9-CLASSROOM-Trm	Uncontrolled	1	N/A	N/A	1,600	N/A	0	N/A	N/A	N/A	☐
10-CLASSROOM-Trm	Uncontrolled	1	N/A	N/A	1,600	N/A	0	N/A	N/A	N/A	☐
11-CLASSROOM-Trm	Uncontrolled	1	N/A	N/A	1,600	N/A	0	N/A	N/A	N/A	☐
12-CLASSROOM-Trm	Uncontrolled	1	N/A	N/A	1,600	N/A	0	N/A	N/A	N/A	☐
13-RESTROOM-Trm	Uncontrolled	1	N/A	N/A	1,600	N/A	0	N/A	N/A	N/A	☐
14-CLASSROOM-Trm	Uncontrolled	1	N/A	N/A	1,200	N/A	0	N/A	N/A	N/A	☐
15-CONFERENCE-Trm	Uncontrolled	1	N/A	N/A	335	N/A	0	N/A	N/A	N/A	☐
16-ELECTRICAL ROOM-Trm	Uncontrolled	1	N/A	N/A	625	N/A	0	N/A	N/A	N/A	☐
17-ELECTRICAL ROOM-Trm	Uncontrolled	1	N/A	N/A	625	N/A	0	N/A	N/A	N/A	☐

I1. WATER HEATER EQUIPMENT SUMMARY

01	02	03	04	05	06	07	08	09	10	11	12	13	14
Name	Heater Element Type	Tank Type	Qty	Tank Vol (gal)	Rated Input	Rated Input Unit	Efficiency	Efficiency Unit	Tank Insulation R-value Int/Ext	Standby Loss Fraction	1st Hr. Rating or Flow Rate (gal)	Heat Pump Type	Tank Location or Ambient Condition
AO SMITH DEN-302	Electricity	Storage	1	20	10	kW	0.94	UEF	N/A	N/A	53	N/A	N/A

H9. NONRESIDENTIAL / COMMON USE AREA & HOTEL/MOTEL VENTILATION

01	02	03	04	05	06	07
Zone Name	Mechanical Ventilation				Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM		
5-RESTROOM	Exhaust - Toilets, public Education - Classrooms (ages 5-8)	20.47	305.9	100	874	DCV
6-RESTROOM	Exhaust - Toilets, public General - Corridors	11.55	334.05	100	2310	N/A
9-CLASSROOM	Education - Classrooms (ages 5-8)	21.85	332.12	0	874	DCV
10-CLASSROOM	Education - Classrooms (ages 5-8)	22.63	343.9	0	905	DCV
11-CLASSROOM	Education - Classrooms (ages 5-8)	22.63	343.9	0	905	DCV
12-CLASSROOM	Education - Classrooms (ages 5-8)	22.63	343.9	0	905	DCV
13-RESTROOM	Exhaust - Toilets, public Education - Classrooms (ages 5-8)	20.47	305.9	100	874	DCV
14-CLASSROOM	Education - Classrooms (ages 5-8)	14.95	227.24	0	598	DCV
15-CONFERENCE	General - Conference/meeting	6.23	93.5	0	187	N/A
16-ELECTRICAL ROOM	General - Unoccupied	0.08	0	0	55	N/A
17-ELECTRICAL ROOM	General - Unoccupied	0.11	0	0	76	N/A

H8. SYSTEM SPECIAL FEATURES

01	02	03	04
System Name	Equipment Type	Interlocks per 140.4(n)[1]	Other Special Features and Controls
PHP-B8	Single Zone Heat Pump (SZHP) Air System	No	Zone(s) With CO2 Sensor Vent. Control Fixed DB
PHP-B9	Single Zone Heat Pump (SZHP) Air System	No	Zone(s) With CO2 Sensor Vent. Control Fixed DB
PHP-B10	Single Zone Heat Pump (SZHP) Air System	No	Zone(s) With CO2 Sensor Vent. Control Fixed DB
PHP-B11	Single Zone Heat Pump (SZHP) Air System	No	Zone(s) With CO2 Sensor Vent. Control Fixed DB
PHP-B12	Single Zone Heat Pump (SZHP) Air System	No	Zone(s) With CO2 Sensor Vent. Control Fixed DB
Undefined Plant1 - SHW	Service Hot Water	N/A	Fixed Temperature Control

Notes: This table includes controls related to the performance path only. For projects using the prescriptive path, mandatory and prescriptive controls requirements are documented on the NRCC-MCH-E.

[1] Yes = interlocks are provided, No = interlocks are not provided, NA means no operable openings.

H9. NONRESIDENTIAL / COMMON USE AREA & HOTEL/MOTEL VENTILATION

01	02	03	04	05	06	07
Zone Name	Mechanical Ventilation				Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM		
1-CLASSROOM	Education - Classrooms (ages 5-8)	21.85	332.12	0	874	DCV
2-CLASSROOM	Education - Classrooms (ages 5-8)	22.63	343.9	0	905	DCV
3-CLASSROOM	Education - Classrooms (ages 5-8)	22.63	343.9	0	905	DCV
4-CLASSROOM	Education - Classrooms (ages 5-8)	22.63	343.9	0	905	DCV

Area Description	Area Category Primary Function Area	Area Controls 130.1(a) & 160.5(b)4A	Multi-Level Controls 130.1(b) & 160.5(b)4B	Shut-Off Controls 130.1(c) & 160.5(b)4C	Primary Daylighting 130.1(d) & 160.5(b)4D	Secondary Daylighting 140.5(d) & 160.5(b)4D
Whole Building	All Other Space Types	Required	Required	Required	Required	Required

L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections made by Documentation Author indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online

Building Component	Form/Title
Envelope	NRCI-ENV-E - Envelope (for all buildings)
Mechanical	NRCI-MCH-E - For all buildings with Mechanical Systems
Plumbing	NRCI-PLB-E - For all buildings with Plumbing Systems
	NRCI-SAB-E - Solar Water Heating, PV and Battery Storage Systems
Indoor Lighting	NRCI-LTI-E - Indoor Lighting (for all buildings)

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections made by Documentation Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction. Lighting controls and mechanical NRCAs must be completed through an Acceptance Test Technician Certification Provider (ATTCP).

Building Component[1]	Form/Title & System Name(s)
Envelope	NRCA-ENV-02-F - NRFC label verification for fenestration
Indoor Lighting	NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls.
Indoor Lighting	NRCA-LTI-03-A - Automatic Daylight Controls.
Indoor Lighting	NRCA-LTI-04-A - Demand Responsive Lighting Controls.
Mechanical	NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap
	PHP-B1, PHP-B2, PHP-B3, PHP-B4, PHP-B5, PHP-B6, PHP-B7, PHP-B8, PHP-B9, PHP-B10, PHP-B11, PHP-B12, FC/HP-B1, IDU/ODU-B1 and IDU/ODU-B2.
Mechanical	NRCA-MCH-03-A - Constant Volume Single Zone HVAC
	PHP-B1, PHP-B2, PHP-B3, PHP-B4, PHP-B5, PHP-B6, PHP-B7, PHP-B8, PHP-B9, PHP-B10, PHP-B11, PHP-B12, FC/HP-B1, IDU/ODU-B1 and IDU/ODU-B2.
Mechanical	NRCA-MCH-05-A - Air Economizer Controls
	PHP-B1, PHP-B2, PHP-B3, PHP-B4, PHP-B5, PHP-B6, PHP-B7, PHP-B8, PHP-B9, PHP-B10, PHP-B11 and PHP-B12.

K2. INDOOR CONDITIONED LIGHTING SCHEDULE

Luminaire Schedule (includes all permanent installed lighting in conditioned space, and portable lighting over 0.3 w/ft^2 in offices)

01	02	03	04	05	06
Name or Item Tag	Complete Luminaire Description (i.e. 3-lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Installed Watts (Conditioned)			
		Watts per luminaire	How is Wattage determined	Total Number of Luminaires	Installed Watts
A1	Lighting Systems - LED recessed 2x2 troffer; 3387 lumens; 4000K CCT	25	According to	174	4350
B1	AVX - LED surface 4ft wrap; 6200 lumens; 3500K CCT; 0-10v dimming	57	According to	3	171
B2	AVX - LED surface 4ft wrap; 3600 lumens; 3500K CCT; 0-10v dimming	31	According to	13	403
D2	Focal Point - LED recessed downlight; 1000 lumens; 3500K CCT	11	According to	1	11

[1]If lighting power densities were used in the compliance model Building Departments will need to check prescriptive forms for Luminaire Schedule details.

K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROL

Building Level Controls

01	02
Mandatory Demand Response 110.12(c)	Shut-Off Controls 130.1(c) & 160.5(b)4C
Required	Required

Area Level Controls (includes all lighting controls installed in conditioned space to meet mandatory requirements per 130.1)

03	04	05	06	07	08	09

K1. INDOOR CONDITIONED LIGHTING GENERAL INFO

01	02	03	04	05	06
Occupancy Type[1]	Conditioned Floor Area[2] (ft^2)	Installed Lighting Power (Watts)	Lighting Control Credits (Watts)	Additional (Custom) Allowance	
				Area Category Footnotes (Watts)	Area Category Footnotes (Watts)
Classroom, Lecture, or Training Vocational	9386	4150	0	0	0
Convention, Conference, Multipurpose and Meeting Center	187	150	0	0	0
Corridor	2227	383	0	0	0
Electrical Mechanical Telephone Room	131	107	0	0	0
Restroom	221	145	0	0	0
Building Totals:	**12152**	**4935**	**0**	**0**	**0**

[1]See Table 140.6-C

[2]See NRCC-LTI--E for unconditioned spaces

[3]Lighting information for existing spaces modeled is not included in this table

STATE OF CALIFORNIA

Nonresidential Building Commissioning CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-CXR-E

This document is used to demonstrate compliance with mandatory commissioning requirements in 120.8 for nonresidential buildings and hotel/motel or mixed-use buildings with nonresidential spaces. This document does not demonstrate compliance with commissioning requirements within Title 24, Part 11, which need to be documented separately if they apply.

Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Classroom B **Report Page:** (Page 1 of 7)

Project Address: 10359 S White Rock Rd **Date Prepared:** 7/8/2026

A. GENERAL INFORMATION

01	Project Location (city)	Rancho Cordova	04	Building Size (ft^2)	12152
02	Occupancy Type	Nonresidential	05		10,000 - 49,999 ft^2
03	Project Type	Newly constructed	06		Unitary or packaged equipment each serving one zone
			07	Climate Zone	12

B. PROJECT SCOPE

Based on project information provided in Table A, Table B indicates which commissioning related requirements apply per 120.8. Table B is not editable by the user.

Commissioning Requirements per 120.8

01	Table F: Design Review Kickoff	120.8(d)1 and 120.8(d)2	The design review kickoff meeting establishes who will play the role of the design reviewer, the project schedule and identify owner's requirements. This meeting should be conducted during schematic design.
02	Table G: Owner's Project Requirements (OPR)	120.8(b)	The owner's project requirements establish the owner's goals, requirements and expectations for everything related to energy consumption and operation. This should be completed during schematic design.
03	Table H: Basis of Design (BOD)	120.8(c)	The basis of design documents the design elements such as calculations and product selections that meet the owner's project requirements and applicable regulatory requirements. This should be completed during schematic design.
04	Table I: Design Review	120.8(d) and 120.8(e)	The design reviewer(s) reviews the construction documents for clarity, completeness, and adherence to the owner's goals. Commissioning measures must be included in the construction documents to facilitate the design review and commissioning process. For projects with >= 10,000 ft^2 of nonresidential conditioned floor area, the design review is for adherence with the Owner's Project Requirements (OPR) and Basis of Design (BOD). This should be conducted during design.
05	Table J: Commissioning Plan	120.8(f)	The commissioning plan is developed by the commissioning provider with input from the designer and defines the scope of commissioning the project. This should be drafted during design and completed during early construction.
06	Table K: Functional Performance Testing	120.8(g)	Functional performance testing is conducted on building systems to demonstrate correct installation and operation.
07	Table L: Documentation and Training	120.8(h)	Documentation of the operational aspects of the building shall be completed within the Systems Manual and delivered to the building owner or representative and facilities operator.

Documentation Author's Declaration Statement

I. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ashton Tafarrodi	Documentation Author Signature: Ashton Tafarrodi
Company: LP Consulting Engineers, Inc.	Signature Date: 2026-07-08
Address: 1209 Pleasant Grove Blvd	CEA/HERS Certification Identification (if applicable): M40674
City/State/Zip: Roseville, CA 95678	Phone: 916.771.0778

Responsible Person's Declaration statement

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I understand that a registered copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections, and I will take the necessary steps to accomplish this requirement.
6. I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy, and I will take the necessary steps to accomplish these requirements.

Responsible Designer Name: Brian P Whitmore	Responsible Designer Signature:	
Company: Studio W Architects		
Address: 1930 H St	Date Signed: 2026/07/08	
City/State/Zip: Sacramento, CA 95811	License #: C30345	
Phone: 916.254.5600	Title:	Scope:
Responsible Designer Name: Jason DeDora	Responsible Designer Signature:	
Company: LP Consulting Engineers		
Address: 1209 Pleasant Grove Blvd	Date Signed: 2026-07-08	
City/State/Zip: Roseville, CA 95678	License #: M34661	
Phone: 916.771.0778	Title:	Scope:

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

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Building Component[1]	Form/Title & System Name(s)
Mechanical	NRCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.
	PHP-B1, PHP-B2, PHP-B3, PHP-B4, PHP-B5, PHP-B7, PHP-B8, PHP-B9, PHP-B10, PHP-B11, PHP-B12 and FC/HP-B1.
Mechanical	NRCA-MCH-12-A FDD for Packaged Direct Expansion Units
	PHP-B1, PHP-B2, PHP-B3, PHP-B4, PHP-B5, PHP-B6, PHP-B7, PHP-B8, PHP-B9, PHP-B10 and PHP-B11.

N. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

Selections made by Documentation Author indicate which Certificates of Verification must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online

There are no Certificates of Verification applicable to this project

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

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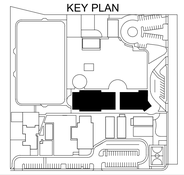
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

TITLE 24 COMPLIANCE

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2T24.9
Drawn / Author	Checked / Checker

PRINT DATE: 7/10/2026 8:59:00 AM
FILE PATH: Autodesk Docs://25-2132 FCUSD Cordova Villa ES/25-2132 FCUSD Cordova Villa ES MPs-FP_r23.rvt

STATE OF CALIFORNIA
Nonresidential Building Commissioning
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-CXR-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 4 of 7)**
	Date Prepared:	7/8/2026

G. OWNER'S PROJECT REQUIREMENTS (OPR)

This table is only completed if an OPR document is not attached to permit application to demonstrate compliance with 120.8(b). If a specific field is not applicable to the project scope, "NA" is indicated in the table. Per 120.8(b), the OPR is to be completed before design begins. This may be done at the Design Review Kickoff Meeting (see Table F)

		YES	NO
01	Attaching Completed Owner's Project Requirements Document?	●	○
02	Owner's Project Requirements Document Authors and Roles		

H. BASIS OF DESIGN (BOD)

This table is only completed if a BOD document is not attached to the permit application to demonstrate compliance with 120.8(c). If a specific field is not applicable to the project scope, "NA" is indicated in the table. Per 120.8(c), the BOD should be completed and updated during the design phase.

		YES	NO
01	Attaching Completed Basis of Design Document?	●	○
02	Basis of Design Document Authors and Roles		

I. CONSTRUCTION DOCUMENT DESIGN REVIEW CHECKLIST

This table is only completed if a design review document is not attached to permit application to demonstrate compliance with 120.8(b) and 120.8(e). For buildings with >= 10,000 ft² conditioned floor area, the design review will ensure the construction documents meet the Owner's Project Requirements (Table G.) and the Basis of Design Documents (Table H.). For buildings with < 10,000 ft² conditioned floor area, the design review will ensure the construction documents meet the goals documented in Table F. during the Design Review Kickoff.

		YES	NO
01	Attaching Completed Design Review Documentation?	●	○

J. COMMISSIONING PLAN

This table is only completed if a Commissioning Plan document is not attached to permit application to demonstrate compliance with 120.8(f). Per 120.8(f), the Commissioning Plan is to be started during the design phase and a completed draft must be submitted with permit application

		YES	NO
01	Attaching Completed Commissioning Plan?	●	○
02	Commissioning Plan Authors and Roles		

STATE OF CALIFORNIA
Nonresidential Building Commissioning
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-CXR-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 3 of 7)**
	Date Prepared:	7/8/2026

F. DESIGN REVIEW KICKOFF MEETING

This table indicates that the design reviewer meets the qualification requirements per Title 24, Part 1 Section 10-103(a)1 and demonstrates compliance with design review kickoff requirements per 120.8(d)2. This meeting should occur during the Schematic Design phase of the project.

Design Review Kickoff Meeting Details

01	Date of Design Review Kickoff Meeting	0001-01-01
02	Meeting Attendees: (one person may play multiple roles)	

☐ Owner/Facility Manager:		☒ Design Reviewer(s)	Designer
☐ Project Manager:		☐ Design Architect/ Engineer(s):	
☐ Contractor:		☐ Certified Acceptance Test Tech(s):	
☐ Commissioning Provider:		☐ Energy/ T24 Part 6 Consultant:	

Design Reviewer Qualifications per Title 24 Part 1 Section 10-103(a)1

		Do the Design Reviewer(s) meet these qualifications?	
		Yes	No
03	The design reviewer(s) must be licensed professional engineers or licensed architects, or licensed contractors representing services performed by or under the direct supervision of a licensed engineer or architect, as specified in the provisions of Division 3 of the Business and Professions Code. In addition, for buildings with >= 10,000 ft² but < 50,000², the design reviewer(s) shall be a qualified in-house engineer or architect with no other project involvement or a third party engineer, architect, or contractor	●	○
04	The design reviewer(s) for this project will be:	Designer	

Preliminary Construction Schedule

		Start Date	Completion Date
05	Schematic Design	0001-01-01	0001-01-01
06	Design Development	0001-01-01	0001-01-01
07	Construction Documents	0001-01-01	0001-01-01
08	Construction	0001-01-01	0001-01-01
09	Building Turnover	0001-01-01	0001-01-01

STATE OF CALIFORNIA
Nonresidential Building Commissioning
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-CXR-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 2 of 7)**
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B. PROJECT SCOPE

08	Table M: Commissioning Report	120.8(i)	A complete report of commissioning process activities undertaken through the design, construction and reporting recommendations for post-construction phases of the building project shall be completed and provided to the owner or representative.

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with commissioning requirements per 120.8. This table is not editable by the user. If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

01	02	03	04	05	06	07	08	09
Design Kickoff Review	Owner's Project Requirements	Basis of Design	Design Review	Commissioning Plan	Functional Performance Testing	Documentation and Training	Commissioning Report	
Table F	Table G	Table H	Table I	Table J	Table K	Table L	Table M	
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	COMPLIES
10								COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Nonresidential Building Commissioning
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-CXR-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 7 of 7)**
Project Address: 10359 S White Rock Rd	**Date Prepared:**	7/8/2026

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ashton Tafarrodi	Documentation Author Signature: Ashton Tafarrodi
Company: LP Consulting Engineers, Inc.	Signature Date: 2026-07-08
Address: 1209 Pleasant Grove Blvd	CEA/ HERS Certification Identification (if applicable): M40674
City/State/Zip: Roseville CA 95678	Phone: 916.771.0778

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Brian P Whitmore	Responsible Designer Signature:
Company: Studio W Architects	Date Signed: 2026-07-08
Address: 1930 H St	License: C30345
City/State/Zip: Sacramento CA 95811	Phone: 916.254.5600

STATE OF CALIFORNIA
Nonresidential Building Commissioning
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-CXR-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 6 of 7)**
	Date Prepared:	7/8/2026

M. COMMISSIONING REPORT

The table below is completed to demonstrate compliance with commissioning report requirements per 120.8(i)

	01
By checking this box, the responsible party[1] certifies that a complete report of commissioning process' activities undertaken through the design, construction and reporting recommendations for post-construction phases of the building project shall be completed and provided to the owner or owner's representative.	☒

[1] FOOTNOTES: See the signature block on the last page of this compliance document for the responsible party.

N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

There are no forms required for this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

STATE OF CALIFORNIA
Nonresidential Building Commissioning
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-CXR-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 5 of 7)**
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K. FUNCTIONAL PERFORMANCE TESTING

The table below is completed to demonstrate compliance with functional performance testing requirements per 120.8(g).

By checking this box, the responsible party[1] certifies that functional performance testing will be executed to demonstrate the correct installation and operation of each component, system and system-to-system interface in accordance with the acceptance test requirements in 120.5, 130.4 and 140.9. The functional performance testing reports shall contain information addressing each of the building components tested, the testing methods utilized, and include any readings and adjustments made.	01 ☐

The following acceptance tests have been identified as applicable to the project scope:[2]

02	03	04	05
System/ Equipment to be Tested	Brief description of functional performance test	Applicable Reference Appendix	Certified Acceptance Test Technician Required?

The acceptance tests required by Title 24, Part 6 outline the minimum functional performance testing scope to be conducted for compliance. However, the commissioning scope may include additional functional performance tests on systems or equipment not having acceptance tests required by Title 24 Part 6.

The following additional functional performance tests have been requested by the owner or owner's representative:

06	07
System/ Equipment to be Tested	Brief description of functional performance test

[1] FOOTNOTE: See the signature block on the last page of this compliance document for the responsible party.
[2] Required acceptance tests can be determined by reviewing the "Certificates of Acceptance" table on each Certificate of Compliance submitted for permit application.

L. DOCUMENTATION AND TRAINING

The table below is completed to demonstrate compliance with documentation and training requirements per 120.8(h)

	01
By checking this box, the responsible party[1] certifies that a systems manual will be provided to the building owner or representative per 120.8(h)1.	☒
	02
By checking this box, the responsible party[1] certifies that a training of the appropriate maintenance staff for each equipment and system will be completed and documented in the commissioning report per 120.8(h)2. Training requirements should be included in the contract document in the specifications.	☒

[1] FOOTNOTE: See the signature block on the last page of this compliance document for the responsible party.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 3 of 9)**
	Date Prepared:	7/8/2026

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
A1	Lighting Systems - LED recessed 2x2 troffer; 3387 lumens; 4000K CCT	No	NA	25	Mfr. Spec	174	No	4,350	☐	☐
B1	AVX - LED surface 4ft wrap; 6200 lumens; 3500K CCT; 0-10v dimming	No	NA	57	Mfr. Spec	3	No	171	☐	☐
B2	AVX - LED surface 4ft wrap; 3600 lumens; 3500K CCT; 0-10v dimming	No	NA	31	Mfr. Spec	13	No	403	☐	☐
D2	Focal Point - LED recessed downlight; 1000 lumens; 3500K CCT	No	NA	11	Mfr. Spec	1	No	11	☐	☐
						Total Designed Watts: CONDITIONED SPACES		4,935		

Designed Wattage: Unconditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
B1	AVX - LED surface 4ft wrap; 6200 lumens; 3500K CCT; 0-10v dimming	No	NA	57	Mfr. Spec	1	No	57	☐	☐

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 2 of 9)**
	Date Prepared:	7/8/2026

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)						Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)					Compliance Results
	01	02	03	04		05		06	07		08	09
	Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)		**Total Allowed** (Watts)		Total Designed (Watts)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)		**Total Adjusted** (Watts) *Includes Adjustments	**05 must be >= 08 140.6 / 170.2(e)**
	(See Table I)	(See Table I)	(See Table J)	(See Table K)				(See Table F)	(See Table P)			
Conditioned		6,858.6	0		=	6,859	≥	4,935	0	=	4935	COMPLIES
Unconditioned		391.4	0		=	391	≥	420	0	=	420	DOES NOT COMPLY
									Controls Compliance (See Table H for Details)			COMPLIES
									Rated Power Reduction Compliance (See Table Q for Details)			

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.		
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 1 of 9)**
Project Address: 10359 S White Rock Rd	**Date Prepared:**	7/8/2026

A. GENERAL INFORMATION

01	Project Location (city)	Rancho Cordova	04	Total Conditioned Floor Area (ft²)	12,152
02	Climate Zone	12	05	Total Unconditioned Floor Area (ft²)	621
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1

● Classroom ● Support Areas

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	**Conditioned Spaces**		**Unconditioned Spaces**	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	Area Category Method	12152	Area Category Method	621
☐ New Lighting System - Parking Garage				
Total Area of Work (ft²)	12152		621	

PRINT DATE: 7/10/2026 8:59:02 AM
FILE PATH: Autodesk Docs://25-2132 FCUSD Cordova Villa ES/25-2132 FCUSD Cordova Villa ES MP-FP_r23.rvt

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS
Studio W Architects
1930 H Street
Sacramento, California 95811
[T] 916.254.5600
www.StudioW-Architects.com

LP CONSULTING ENGINEERS
MEP & FS / Sustainability / CxA
1209 Pleasant Grove Blvd.
Roseville, CA 95678
p 916-771-0778
www.lpengineers.com
Job #: 25-2132

ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M 34661 REN 12-31-26 MECHANICAL STATE OF CALIFORNIA

GENERAL NOTES
1. This sheet is part of a set and is not to be used alone.
2. This sheet is not to be used for construction unless the architect's stamp and signature appear on the drawings and the status box indicated drawings have been released for construction.
3. These plans and prints thereof, as instruments of service, are owned by the architect and are for use on this project only. Reproduction and/or distribution without the prior written consent of the architect is forbidden.
4. Copyright Studio W Associates, Inc. 2022.

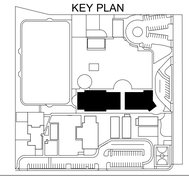
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

TITLE 24 COMPLIANCE

Date	Project Number
07/13/2026	25010.1
Application Number	**Drawing Number**
02-123800	2T24.10
Drawn / Checked	
Author / Checker	

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 6 of 9)**
	Date Prepared:	7/8/2026

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

CLASSROOM	Classroom, Lecture, or Training Vocational	0.6	874	524.4	No	No
CLASSROOM	Classroom, Lecture, or Training Vocational	0.6	905	543	No	No
CLASSROOM	Classroom, Lecture, or Training Vocational	0.6	905	543	No	No
CLASSROOM	Classroom, Lecture, or Training Vocational	0.6	905	543	No	No
RESTROOM	Restroom	0.65	69	44.8	No	No
CLASSROOM	Classroom, Lecture, or Training Vocational	0.6	805	483	No	No
CLASSROOM	Classroom, Lecture, or Training Vocational	0.6	598	358.8	No	No
CONFERENCE	Convention, Conference, Multipurpose and Meeting Center	0.75	187	140.2	No	No
ELECTRICAL ROOM	Electrical Mechancial Telephone Room	0.4	55	22	No	No
ELECTRICAL ROOM	Electrical Mechancial Telephone Room	0.4	76	30.4	No	No
		TOTALS:	12,152	6,858.6	See Tables J, or P for detail	

Unconditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
UNCONDITIONED RR	Restroom	0.65	572	371.8	No	No
UNCONDITIONED MISC	Electrical Mechancial Telephone Room	0.4	49	19.6	No	No
		TOTALS:	621	391.4	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 9 of 9)**
Project Address: 10359 S White Rock Rd	**Date Prepared:**	7/8/2026

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ashton Tafarrodi	Documentation Author Signature: Ashton Tafarrodi
Company: LP Consulting Engineers, Inc.	Signature Date: 2026-07-08
Address: 1209 Pleasant Grove Blvd	CEA/ HERS Certification Identification (if applicable): M40674
City/State/Zip: Roseville CA 95678	Phone: 916.771.0778

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Donny Lee	Responsible Designer Signature:
Company: Edge Electrical Consulting	Date Signed: 2026-07-08
Address: 400 R Street	License: E017376
City/State/Zip: Sacramento/CA/95811	Phone: 916.256.2460

STATE OF CALIFORNIA
Domestic Water Heating System CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-PLB-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 3 of 6)**
	Date Prepared:	7/8/2026

G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM

This table is used to demonstrate compliance for nonresidential occupancies with distribution requirements in 120.3 and 140.5. For multifamily and hotel/motel occupancies, compliance is demonstrated with requirements 110.3(c), 160.4, 170.2(d).

Mandatory Pipe Insulation All Occupancies

13	☐	For systems serving dwelling units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A (see blow) except: • Piping that penetrates framing members shall not be required to have pipe insulation for the distance of the framing penetration. Piping that penetrates metal framing shall use grommets, plugs, wrapping or other insulating material to assure that no contact is made with the metal framing. Insulation shall abut securely against all framing members • Piping installed in interior or exterior walls shall not be required to have pipe insulation if all of the requirements are met for compliance with Quality Insulation Installation (QII) as specified in the Reference Residential Appendix RA3.5. • Piping surrounded with a minimum of 1 inch of wall insulation, 2 inches of crawlspace insulation, or 4 inches of attic insulation, shall not be required to have pipe insulation.
14	☒	For systems serving nonresidential spaces, pipe insulation for the following applications is specified to comply with Table 120.3-A (see below) per 120.3: • Recirculating system piping, including supply and return piping of the water heater • The first 8 ft of hot and cold outlet piping, including between storage tank and heat trap, for a nonrecirculating storage system • Pipes that are externally heated
15	☒	Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service per 120.3(b) / 160.4(f). Pipe insulation buried below grade must be installed in a water proof and non-crushable casing or sleeve.

TABLE 120.3-A / 160.4-A PIPE INSULATION THICKNESS

Fluid Temperature Range (°F)	Conductivity Range (Btu-in per hour per ft² per °F)	Insulation Mean Rating Temp (°F)	Nominal Pipe Diameter (in)			
			< 1	1 to < 1.5	1.5 to < 4	1.5 to < 4 Multifamily & Hotel/Motel
			Minimum Insulation Required			
105-140	0.22 - 0.28	100	1.0 in or R-7.7	1.5 in or R-12.5	1.5 in or R-11	2.0 in or R-16

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 5 of 9)**
	Date Prepared:	7/8/2026

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Skylit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector	
								Pass	Fail
Whole Building	All Other Space Types	Readily Accessible	Dimmer	See Building Level	Included	Included	No	☐	☐
					13				
					Plan Sheet Showing Daylit Zones:				

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used .

Conditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
CLASSROOM	Classroom, Lecture, or Training Vocational	0.6	874	524.4	No	No
CLASSROOM	Classroom, Lecture, or Training Vocational	0.6	905	543	No	No
CLASSROOM	Classroom, Lecture, or Training Vocational	0.6	905	543	No	No
CLASSROOM	Classroom, Lecture, or Training Vocational	0.6	905	543	No	No
RESTROOM	Restroom	0.65	69	44.8	No	No
CLASSROOM	Classroom, Lecture, or Training Vocational	0.6	805	483	No	No
RESTROOM	Restroom	0.65	83	54	No	No
CORRIDOR	Corridor	0.4	2,227	890.8	No	No

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 8 of 9)**
	Date Prepared:	7/8/2026

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	Whole Building Time Switch;
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	Whole Building;
NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	Whole Building Demand Response;

STATE OF CALIFORNIA
Domestic Water Heating System CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-PLB-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 2 of 6)**
	Date Prepared:	7/8/2026

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. DOMESTIC HOT WATER EQUIPMENT

This table is used to demonstrate compliance with mandatory equipment requirements in 110.1 and 110.3. Compliance with prescriptive requirements in 140.5(c) / 170.2(d) must also be demonstrated and with 141.0 / 180.1/ 180.2 for addition and alteration scopes.

Equipment Schedule: Water Heating Efficiency and Standby Loss

03		04		05		06	
System Name	AO SMITH DEN-30	Exception to 140.5(c)/ 170.2(d)3		☐	Gas Service Water Heating System >= 1MMBtu/h[1]	Capacity-weighted Average Efficiency %	
07	08	09	10	11	12	13	14	15
Name or Item Tag	Equipment Type	Volume (gal)	Rated Input Capacity (Btu/h)	Max GPM/ First Hour Rating (FHR)	Rated Efficiency	Minimum Efficiency Required	Efficiency Unit	Designed Standby Loss	Maximum Standby Loss
AO SMITH DEN-30	Consumer Rated Electric Storage	20	34,120	51 <= FHR <75	0.94	0.93	UEF		

[1]*FOOTNOTE: In systems >= 1MMBtu/h with multiple units, gas water heaters with input capacity > 100,000 Btu/h may meet 90% Et requirements via an input capacity-weighted average.*

Water Heating Equipment All Occupancies

	Yes	No	Not Applicable	Requirement
18	☐	☐	☒	Unfired storage tank insulation shall have Internal + External >=R-16 OR External >=R-3.5. Label required per 110.3(c)3
19	☐	☐	☒	New state buildings 60% of energy for service water heating from site solar energy or recovered energy per 110.3(c)5
20	☐	☐	☒	Isolation valves for instantaneous water heater with input rating >6.8 kBTUH or 2 kW has been specified per 110.3(c)6
21	☐	☐	☒	School buildings < 25,000 ft² and < 4 stories must install a heat pump water heating system per 140.5(a)1. Water heating systems serving an individual bathroom space may be an instantaneous electric water heater.

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 4 of 9)**
	Date Prepared:	7/8/2026

F. INDOOR LIGHTING FIXTURE SCHEDULE

B2	AVX - LED surface 4ft wrap; 3600 lumens; 3500K CCT; 0-10v dimming	No	NA	31	Mfr. Spec	9	No	279	☐	☐
D1	Focal Point - LED recessed downlight; 2000 lumens; 3500K CCT	No	NA	21	Mfr. Spec	4	No	84	☐	☐
							Total Designed Watts: UNCONDITIONED SPACES	420		

[1]*FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*

[2]*Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.*

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C	Field Inspector	
		Pass	Fail
Required >= 4,000W subject to multilevel	Whole Building Auto Time Switch	☐	☐

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 7 of 9)**
	Date Prepared:	7/8/2026

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

STATE OF CALIFORNIA
Domestic Water Heating System CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-PLB-E
This document is used to demonstrate compliance for nonresidential occupancies with requirements in 110.1, 110.3, 120.3, and 140.5, and with requirements in 141.0 for additions and alterations, for domestic water heating scopes using the prescriptive path. For high-rise residential and hotel/motel occupancies compliance is demonstrated with requirements in 110.1, 110.3, 160.4 and 170.2(d), and with requirements 180.1 for additions and 180.2 for alterations.		
Project Name: Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 1 of 6)**
Project Address: 10359 S White Rock Rd	**Date Prepared:**	7/8/2026

A. GENERAL INFORMATION

01	Project Location (city)	Rancho Cordova	02	Climate Zone	12
03	Occupancy Types Within Project (select all that apply):				

● Classroom ● Support Areas

B. PROJECT SCOPE

This table includes domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in 140./ 170.2(d) and 141.0(a)/ 180.1, or 141.0(b)2N / 180.2 for additions or alterations. Solar water heating systems are documented on the NRCC-SAB compliance document. Combined hydronic water heating systems are documented on the NRCC-MCH compliance document.

01	02	03		
My project consists of (check all that apply):	System Type[1,2]	System Components		
☒ New system (DHW system being installed for the first time)	Individual System (serving nonresidential spaces)	☒ Equipment	☒ Distribution	☒ Controls
☐ System Alteration (equipment, distribution or controls)		☐ Equipment	☐ Distribution	☐ Controls

[1]*FOOTNOTES: Point of use water heaters, or other non-central systems used to serve nonresidential spaces, are considered individual systems.*

[2] *Dwelling units refers to hotel/motel guest rooms and units in a multifamily residential occupancy.*

[3] *DHW systems serving 2 or more dwelling units are considered "Central Systems" for multifamily occupancies*

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with water heating requirements. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. or the table indicated as not compliant for guidance.

01	02	03	04
Domestic Hot Water Equipment	Distribution Systems	Controls	**Compliance Results**
Table F	Table G	Table H	
Yes	Yes	Yes	COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

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LP CONSULTING ENGINEERS
MEP & FS / Sustainability / CxA
1209 Pleasant Grove Blvd.
Roseville, CA 95678
p 916-771-0778
www.lpengineers.com
Job #: 25-2132

ARCHITECT	ENGINEER
	REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M 34661 REN 12-31-26 MECHANICAL STATE OF CALIFORNIA

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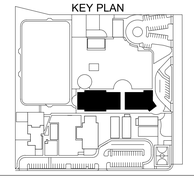
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

TITLE 24 COMPLIANCE

Date 07/13/2026
Project Number 25010.1
Application Number 02-123800
Drawing Number 2T24.11
Drawn Author
Checked Checker

PRINT DATE: 7/10/2026 8:59:04 AM
FILE PATH: Autodesk Docs://25-2132 FCUSD Cordova Villa ES/25-2132 FCUSD Cordova Villa ES MP+FP_23.rvt

STATE OF CALIFORNIA
Solar And Battery
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-SAB-E
This document is used to demonstrate compliance with prescriptive PV and battery requirements in 140.10/ 170.2 for nonresidential, multifamily and mixed-use buildings and prescriptive solar thermal requirements in 170.2(d)3C for multifamily and hotel/ motel occupancies. When PV/battery/solar thermal requirements don't apply or are traded using the performance approach, this document demonstrates compliance with mandatory solar readiness requirements in 110.10/ 160.8 for newly constructed buildings which are either multifamily ten stories or fewer, hotel/motel ten stories or fewer or all other nonresidential buildings three stories or fewer. It is also used to demonstrate compliance with solar readiness in 110.10/ 160.8 for additions to nonresidential, multifamily or hotel/motel building types which add more than 2,000 ft² of roof area. Alterations, or additions of less than 2,000 ft² of roof area, are not required to comply with solar readiness, solar PV and battery requirements and do not need to complete this document.			
Project Name:	Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 1 of 4)**
Project Address:	10359 S White Rock Rd	**Date Prepared:**	7/8/2026

A. GENERAL INFORMATION					
01	Project Location (city)	Rancho Cordova	04	Building Occupancies	All Other OccupanciesSupport Areas
02	Climate Zone	12	05	Construction Type	New construction
03	Conditioned Floor Area (ft²)	12152	06	Number of Stories	Bldg <= 3 stories

B. PROJECT SCOPE

The compliance path the project is using to comply per 110.10(b)1B/ 140.10/ 170.2(g and h) is indicated below.

Compliance with Solar Photovoltaic (PV) and Battery Requirements in 140.10/ 170.2(g and h)		
	01	
☐	Provided PV system and battery storage sized per 140.10/ 170.2 (g and h)	The project has included an installed PV system and battery storage system per requirements in 140.10/ 170.2(g and h) as documented in Table J.
☐	Exception to PV and Battery: Not enough Solar Access Roof Area	The total of all available Solar Access Roof Area(s) of the project site is less than three percent of the conditioned floor area as documented in Table J.
☐	Exception to PV and Battery: Required PV < 4kW	The required PV system size is less than 4 kW dc as documented in Table J..
☐	Exception to PV and Battery: No contiguous Solar Access Roof Area	The Solar Access Roof Area(s) of the project site contains less than 80 contiguous square feet as documented in Table J.
☐	Exception to PV and Battery: Can't meet snow load	The project has a roof design where the enforcement authority has verified it is not possible for the PV system, including panels, modules, components, supports, and attachments to the roof structure, to meet ASCE 7-16 Chapter 7, Snow Loads.
☐	Exception to PV and Battery: Multi-tenant without VNEM or Community Solar	The project is a multi-tenant building in an area where a load serving entity does not provide either a Virtual Net Metering (VNEM) or community solar program.
☒	The prescriptive PV/battery requirement has been traded off using the performance compliance approach as documented on the PRF Certificate of Compliance form.	

STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-PLB-E
Project Name:	Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 6 of 6)**
Project Address:	10359 S White Rock Rd	**Date Prepared:**	7/8/2026

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Ashton Tafarrodi	
Company: LP Consulting Engineers, Inc.	Signature Date: 2026-07-08
Address: 1209 Pleasant Grove Blvd	CEA/ HERS Certification Identification (if applicable): M40674
City/State/Zip: Roseville CA 95678	Phone: 916.771.0778

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Jason DeDora	
Company: LP Consulting Engineers	Date Signed: 2026-07-08
Address: 1209 Pleasant Grove Blvd	License: M34661
City/State/Zip: Roseville CA 95678	Phone: 916.771.0778

STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-PLB-E
Project Name:	Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 5 of 6)**
		Date Prepared:	7/8/2026

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-PLB-E - Must be submitted for all buildings

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

STATE OF CALIFORNIA
Solar And Battery
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-SAB-E
Project Name:	Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 4 of 4)**
Project Address:	10359 S White Rock Rd	**Date Prepared:**	7/8/2026

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

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Ashton Tafarrodi	
Company: LP Consulting Engineers, Inc.	Signature Date: 2026-07-08
Address: 1209 Pleasant Grove Blvd	CEA/ HERS Certification Identification (if applicable): M40674
City/State/Zip: Roseville CA 95678	Phone: 916.771.0778

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3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
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Responsible Designer Name:	Responsible Designer Signature:
Brian P Whitmore	
Company: Studio W Architects	Date Signed: 2026-07-08
Address: 1930 H St	License: C30345
City/State/Zip: Sacramento CA 95811	Phone: 916.254.5600

STATE OF CALIFORNIA
Solar And Battery
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-SAB-E
Project Name:	Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 3 of 4)**
		Date Prepared:	7/8/2026

F. ALLOCATED SOLAR ZONE

This section does not apply to this project.

G. PERMANENTLY INSTALLED SOLAR PV FOR SOLAR READY EXCEPTION

This section does not apply to this project.

H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEMS

This section does not apply to this project.

I. SMART THERMOSTATS AND ALTERNATIVE EFFICIENCY MEASURE FOR SOLAR READY EXCEPTION

This section does not apply to this project.

J. PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS

This section does not apply to this project.

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included Table E. Additionol Remarks and ExceptionalConditionMessageCCSABE += UserChangedSelectionInCI. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-SAB-01-E - Must be submitted for all buildings that must comply with solar readiness or PV/Battery requirements.

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

STATE OF CALIFORNIA
Solar And Battery
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-SAB-E
Project Name:	Cordova Villa ES - Mod Ph1 Inc 2 Classroom B	**Report Page:**	**(Page 2 of 4)**
		Date Prepared:	7/8/2026

Compliance with Solar Thermal Water Heating Requirements in 170.2(d)3C (Multifamiily and hotel/ motel occupancies only)

	01
☐	The project includes a hotel/motel or multifamily occupancy with a gas or propane central water-heating system (serves 2+ dwelling units) and includes a permanently installed domestic solar water-heating system to comply with 170.2(d)3C and Reference Residential Appendix RA4, as documented in Table H. Compliance meets Exception 2 to solar ready requirements in 110.10(b).

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance or see the applicable Table referenced below.

Allocated Solar Zone				Installed PV System					Installed SWH System				Smart Tstat and Alternative EE Measure		Compliance Results
01		02		03		04			05		06		07	08	
Required Minimum Area (ft²)	<=	Designated Area (ft²)	OR	Required Minimum DC Power Rating (Watts)	<=	Designed DC Power Rating (Watts)	OR		Required Minimum Solar Savings Fraction	<=	Designed/Rated Solar Savings Fraction	OR	JA5 Compliant Thermostat Specified?	Alternative Energy Efficiency Measure	COMPLIES
(See Table F)				(See Tables G or J)					(See Table H)				(See Table I)		
	<=		OR		<=		OR			<=		OR			
Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(c).															
Battery storage system design meets the minimum requirements in Joint Appendix JA12 and the minimum energy (kWh)/ power (kW) capacity per Table J.															COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table is includes remarks made by the permit applicant to the Authority Having Jurisdiction.

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123800 INC: 02
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/31/2026

STUDIO W ARCHITECTS

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1930 H Street
Sacramento, California 95811
[T] 916.254.5600
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MEP & FS / Sustainability / CxA
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Roseville, CA 95678
p 916-771-0778
www.lpengineers.com
Job #: 25-2132

ARCHITECT | ENGINEER

REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M 34661 REN 12-31-26 MECHANICAL STATE OF CALIFORNIA

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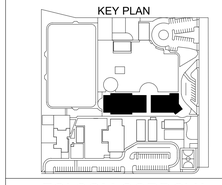
REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS

	DATE
○ DSA PLAN CHECK	03/16/2026
● DSA BACK CHECK	07/13/2026
○ BIDDING	07/13/2026
○ CONSTRUCTION	

KEY PLAN



FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT
1965 BIRKMONT DRIVE
RANCHO CORDOVA, CA 95742

DSA RESUBMITTAL

CORDOVA VILLA ELEMENTARY SCHOOL
MODERNIZATION INCREMENT 2
10359 S WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670

TITLE 24 COMPLIANCE

Date	Project Number
07/13/2026	25010.1
Application Number	Drawing Number
02-123800	2T24.12
Drawn / Author	Checked / Checker

PRINT DATE: 7/10/2026 8:59:05 AM
FILE PATH: Autodesk Docs://25-2132 FOUSD Cordova Villa ES/25-2132 FOUSD Cordova ES MP+FP_r23.rvt