MT DIABLO UNIFIED SCHOOL DISTRICT

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

INCREMENT 2

01-121407

SYMBOLS

DRAFTING ITEMS

- DATUM - CONTROL POINT
- DIMENSION LINE AND TICK
- MATCHLINE - SEE: 1 / A101
- BREAK LINE
- 01.23.A KEYNOTE
- Name / Elevation PROJECT LEVEL MARKER
- 0 COLUMN GRID MARKER
- REVISION CLOUD
- 1 CMNT # REVISION TAG
- PROJECT NORTH PROJECT NORTH ARROW
- 101AA DOOR TAG

VIEW REFERENCES

- 1 / A101 SIM — VIEW REFERENCE / SHEET REFERENCE
- 1 / A101 SIM — DETAIL VIEW
- 1 / A101 TYP. — SECTION VIEW
- 1 / A101 SIM — ENLARGED VIEW
- 1A / A-101 / 1A / 1A — INTERIOR ELEVATION; VIEW REFERENCE / SHEET REFERENCE
- 99 / A1-100 EXTERIOR ELEVATION
- A WINDOW TAG

ABBREVIATIONS

@	AT	LAV	LAVATORY
℄	CENTER LINE	MATL	MATERIAL
¢	PENNY	MAX	MAXIMUM
0#	POUND	MB	MACHINE BOLT
⊥	PERPENDICULAR	MECH	MECHANICAL
∠	ANGLE	MFR	MANUFACTURE OR MANUFACTURER
AB	ANCHOR BOLT	MH	MAN HOLE
AC	ASPHALTIC CONCRETE	MIN	MINIMUM
ACT	ACOUSTICAL CEILING TILE	MISC	MISCELLANEOUS
AFF	ABOVE FINISH FLOOR	MO	MASONRY OPENING
ALT	ALTERNATE	N	NORTH
ALUM	ALUMINUM	(N)	NEW
ANOD	ANODIZED	NIC	NOT IN CONTRACT
APPROX	APPROXIMATE	NO OR #	NUMBER
ARCH	ARCHITECT OR ARCHITECTURAL	NTS	NOT TO SCALE
BD	BOARD	OC	ON CENTER
BLDG	BUILDING	OD	OUTSIDE DIAMETER
BLK(G)	BLOCK(ING)	OH	OPPOSITE HAND
BOB	BOTTOM OF BEAM	OPNG	OPENING
BM	BEAM	PL	PLATE OR PROPERTY LINE
CB	CATCH BASIN	PLAM	PLASTIC LAMINATE
CI	CAST IRON	PLAS	PLASTER (NUMBER - SEE SPECS)
CJ	CONSTRUCTION JOINT	PLYWD	PLYWOOD
CLG	CEILING	PNT	PAINT (NUMBER - SEE SPECS)
CLR	CLEAR	PTDF	PRESSURE TREATED DOUGLAS FUR
CMU	CONCRETE MASONRY UNIT	QT	QUARRY TILE
CO	CLEAN OUT	RD	ROOF DRAIN
COL	COLUMN	REF	REFRIGERATOR
CONC	CONCRETE	REINF	REINFORCE OR REINFORCING
CONT	CONTINUOUS	RH	ROUND HEAD
CSK	COUNTERSINK	RM	ROOM
CW	COLD WATER CHANNEL	RO	ROUGH OPENING
DBL	DOUBLE	RWD	REDWOOD
DEPT	DEPARTMENT	S	SOUTH
DET	DETAIL	S.C.D.	SEE CIVIL DRAWINGS
DF	DRINKING FOUNTAIN	S.E.D.	SEE ELECTRICAL DRAWINGS
DIA	DIAMETER	S.M.D.	SEE MECHANICAL DRAWINGS
DIAG	DIAGONAL	S.P.D.	SEE PLUMBING DRAWINGS
DN	DOWN	S.S.D.	SEE STRUCTURAL DRAWINGS
DS	DOWNSPOUT	S.T.D.	SEE TECHNICAL DRAWINGS
DWG	DRAWING	SCH	SCHEDULE
E	EAST	SD	STORM DRAIN
(E)	EXISTING	SHR	SHOWER
EB	EXPANSION BOLT	SHT	SHEET
EJ	EXPANSION JOINT	SHTHG	SHEATHING
ELEV	ELEVATION	SIM	SIMILAR
ELEC	ELECTRICAL)	SMACNA	THE ARCH SHEET METAL MANUAL
EP	EDGE OF PAVING	SPEC	SPECIFICATION
EQ	EQUAL	SQ	SQUARE
EQUIP	EQUIPMENT	SSTL	STAINLESS STEEL
FD	FLOOR DRAIN	STD	STANDARD
FE(C)	FIRE EXTINGUISHER (& CABINET)	S.T.D.	SEE TECHNICAL DRAWINGS
FF	FINISHED FLOOR	STL	STEEL
FG	FINISHED GRADE	SUSP	SUSPENDED
FH	FLAT HEAD OR FIRE HYDRANT	SYM	SYMMETRICAL
FIN	FINISH	TOB	TOP OF BEAM
FL	FLOW LINE	TOC	TOP OF CURB OR TOP OF CONCRETE
FLG	FLASHING	TCB	TOP OF CATCH BASIN
FLR	FLOOR	TEL	TELEPHONE
FOC	FACE OF CONCRETE	TEMP	TEMPERATURE OR TEMPERED
FOF	FACE OF FINISH	T&G	TONGUE & GROOVE
FOM	FACE OF MASONRY	TP	TOP OF PAVING
FOS	FACE OF STUD	TS	STRUCTURAL TUBING
FRP	FIBERGLASS REINFORCED PANEL	TV	TELEVISION
FT	FOOT OR FEET	TOW	TOP OF WALL
FTG	FOOTING	TYP	TYPICAL (ITEMS TYPICAL UNLESS SHOWN OR NOTED OTHERWISE)
GA	GAUGE	UON	UNLESS OTHERWISE NOTED
GALV	GALVANIZED	VCT	VINYL COMPOSITION TILE
GB	GRAB BAR, GRADE BREAK	VERT	VERTICAL
GL	GLASS	VGDF	VERTICAL GRAIN DOUGLAS FIR
GLB	GLUE LAMINATED BEAM	VTR	VENT THRU ROOF
GYP	GYPSUM	W	WEST
GWB	GYPSUM WALL BOARD	WC	WATER CLOSET
HB	HOSE BIBB	W.C.	WHEELCHAIR ACCESSIBLE
HDR	HEADER	WD	WOOD
HGT	HEIGHT	WF	WIDE FLANGE
HORIZ	HORIZONTAL	WH	WATER HEATER
HTR	HEATER	WP	WATERPROOF
HVAC	HEATING/VENTILATING/AIR CONDITIONING	WS	WOOD SCREW
		WSCT	WAINSCOT
ID	INSIDE DIAMETER	WWF	WELDED WIRE FABRIC
INSUL	INSULATION OR INSULATED	W/	WITH
INV	INVERT	W/O	WITHOUT

GENERAL PROJECT NOTES - K12

1. ALL WORK SHALL CONFORM TO 2022 TITLE 24 CALIFORNIA CODE OF REGULATIONS (CCR).
2. THE PROJECT MANUAL AND SPECIFICATIONS IN CONJUNCTION WITH THESE DRAWINGS AND REFERENCES SHALL FORM A PART OF THE CONTRACT AND SHALL BE REFERRED TO AS THE "DOCUMENTS." THE DOCUMENTS DEFINE THE WORK TO BE PERFORMED AS AGREED TO IN THE CONTRACT
3. CHANGES TO APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1, T24 CCR.
4. A DSA CERTIFIED **INSPECTOR CLASS 3** SHALL BE EMPLOYED BY THE DISTRICT AND SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTION ARE DEFINED IN SECTION 4-342, PART 1, T24, CCR.
5. APPARENT DISCREPANCIES ON DRAWINGS AND/OR SPECIFICATIONS SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
6. ANY DIFFERENCE BETWEEN THE EXISTING CONSTRUCTION AS OBSERVED IN THE FIELD AND AS SHOWN ON THE DRAWING SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
7. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING WORK. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND COORDINATING DIMENSIONS.
8. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE THAT ALL APPLICABLE SAFETY LAWS ARE STRICTLY ENFORCED AND TO MAINTAIN A SAFE CONSTRUCTION PROJECT.
9. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE SUPERVISION OF THE CONSTRUCTION WORK TO ENSURE THAT IT IS BUILT IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. THE ARCHITECT WILL PROVIDE ONLY PERIODIC OBSERVATION OF THE WORK. SEE NOTE 4 FOR DSA INSPECTION REQUIREMENTS.
10. ANY DAMAGE DONE TO THE EXISTING CONSTRUCTION DURING THE COURSE OF THIS WORK SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE WITH NO ADDITIONAL COST TO THE OWNER.
11. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD & ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
12. THE SEISMIC ANCHORAGE OF MECHANICAL AND ELECTRICAL EQUIPMENT SHALL CONFORM TO CCR TITLE 24, 2022 CBC SECTION 1616A.1.18 AND ASCE-7-16 SECTION 13.6 ANCHORAGE DETAILS FOR ROOF-FLOOR MOUNTED EQUIPMENT SHALL BE SHOWN ON PLANS.
13. CUTTING, BORING, SAW CUTTING OR DRILLING THROUGH THE NEW OR EXISTING STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAILED IN THE DRAWINGS OR ACCEPTED BY THE ARCHITECT AND THE STRUCTURAL ENGINEER WITH THE APPROVAL OF DSA REPRESENTATIVE. ALL WELDING SHALL BE SPECIALLY INSPECTED BY AN AWS-CWI QUALIFIED INSPECTOR APPROVED BY DSA. ALL BRACING OF DUCTS AND PIPING SHALL BE INSTALLED AS APPROVED BY DSA. WHERE BRACING DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT, MECHANICAL ENGINEER AND FIELD ENGINEER. A COPY OF THE DRAWINGS APPROVED BY DSA SHALL BE PROVIDED BY THE CONTRACTOR AND KEPT ON THE JOB AT ALL TIMES.
14. 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, CALIFORNIA CODE OF REGULATIONS. 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, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
15. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SCHOOL DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
16. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COMPLY WITH CBC AND CFC CHAPTER 33 FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.
17. DO NOT SCALE DRAWINGS, DIMENSIONS SHOWN SHALL TAKE PRECEDENCE OVER DRAWING SCALE. WHENEVER DSA FINDS ANY CONSTRUCTION WORK IS BEING PERFORMED IN A MANNER CONTRARY TO THE PROVISIONS OF THE CALIFORNIA BUILDING CODE AND THAT WOULD COMPROMISE THE STRUCTURAL INTEGRITY OF THE BUILDING, THE DEPARTMENT OF GENERAL SERVICES, STATE OF CALIFORNIA, IS AUTHORIZED TO ISSUE A STOP WORK ORDER PER SECTION 4-334.1 CALIFORNIA ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).
18. TITLE 24 PARTS 1-5 AND 9 MUST BE KEPT ON SITE DURING CONSTRUCTION
19. ALL STRUCTURAL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING MATERIALS INSTALLATION TO COMPLY WITH APPLICABLE CODES, STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.
20. PROJECT INSPECTION (PI) SHALL WITNESS AND VERIFY GROUNDING.
21. SUBSTITUTION OF PRODUCTS OR CONSTRUCTION PROCESS WHICH AFFECT THE STRUCTURAL SAFETY, FIRE AND LIFE-SAFETY, OR ACCESSIBILITY OF THIS PROJECT SHALL BE SUBMITTED TO DSA FOR REVIEW AND APPROVAL AS AN ADDENDUM OR CONSTRUCTION CHANGE DOCUMENT.
22. PER 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.
    - A. LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).
    - B. MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.
    - C. ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.
    - D. 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.
    - E. PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.
    - F. 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.

PROJECT DESCRIPTION

INCREMENT 1

GENERAL ALTERATION OF CLASSROOM BUILDINGS 1 AND 8, ADMINISTRATION IN BUILDING 5, AND MULTI-PURPOSE BUILDING 7 CONSISTING OF:

- FLOORING IN-KIND REPLACEMENT
- FLOORING REPLACEMENT WITH NEW MATERIAL
- NEW CASEWORK WITH NEW ACCESSIBLE SINKS
- NEW LIGHTING
- NEW INTERIOR AND EXTERIOR PAINTING
- REPLACEMENT OF GLUE-UP TILES WITH NEW CEILING TILES
- REPLACEMENT OF TACKABLE BOARDS
- REPLACEMENT OF ALL EXTERIOR DOORS WITH NEW FRP DOORS
- HARDWARE REPLACEMENT AT ALL EXTERIOR DOORS
- WINDOWS AND CLERESTORY REPLACEMENT WITH NEW
- REPLACEMENT IN-KIND OF HVAC EQUIPMENT
- ADDITION OF COOLING TO THE MP BUILDING

ACCESSIBILITY UPGRADES:
- STAFF & KINDERGARTEN RESTROOM
- ACCESSIBILITY UPGRADES AT PARKING LOT, DROP-OFF AREA, AND CONCRETE WALKWAYS

INCREMENT 2

GENERAL ALTERATION OF CLASSROOM BUILDINGS 2, 3, 4, 5, 6, 9 AND 10 CONSISTING OF:

- **RECONFIGURATION/ ACCESSIBILITY UPGRADES AT RESTROOM IN BUILDING 5**
- **FLOORING: NEW AND IN-KIND REPLACEMENT**
- **NEW CASEWORK WITH NEW ACCESSIBLE SINKS**
- **NEW LIGHTING**
- **NEW INTERIOR AND EXTERIOR PAINTING**
- **REPLACEMENT OF GLUE-UP TILES WITH NEW CEILING**
- **REPLACEMENT OF TACKABLE BOARDS**
- **REPLACEMENT OF ALL EXTERIOR DOORS WITH NEW FRP DOORS**
- **HARDWARE REPLACEMENT AT ALL EXTERIOR DOORS**
- **WINDOWS AND CLERESTORY REPLACEMENT WITH NEW**
- **REPLACEMENT IN-KIND OF HVAC EQUIPMENT IN SOME BUILDINGS, EQUIPMENT TUNE-UP IN OTHERS**

ACCESSIBILITY UPGRADES
- **NEW OUTDOOR DRINKING FOUNTAINS WITH WATER BOTTLE FILLER**
- **ACCESIBILITY UPGRADES AT PARKING LOT, AND CONRETE WALKWAYS**

GENERAL BUILDING AREAS:

BLDG #	NAME	AREA
1	CLASSROOMS	± 8,011 SF
2	CLASSROOMS	± 4,575 SF
3	CLASSROOMS	± 6,571 SF
4	CLASSROOMS	± 3,735 SF
5	ADMIN & CLASSROOMS	± 5,589 SF
6	CLASSROOMS	± 8,403 SF
7	MULTI-PURPOSE	± 5,927 SF
8	CLASSROOMS	± 3,218 SF
9	CLASSROOMS	± 5,685 SF
10	CLASSROOMS	± 5,685 SF

APPLICABLE CODES AND STANDARDS

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2023
ALL PARTS OF THE TITLE 24 CODE SHOWN BELOW HAVE AN EFFECTIVE DATE OF **JANUARY 1, 2023**
EXCEPT:
- CALIFORNIA ADMINISTRATIVE CODE - EFFECTIVE **MARCH 5, 2022**

CALIFORNIA ADMINISTRATIVE CODE (CAC) - CCR, TITLE 24, PART 1

CALIFORNIA BUILDING CODE (CBC) - CCR, TITLE 24, PART 2
(2021 INTERNATIONAL BUILDING CODE, VOL. 1 & 2, AND 2022 CALIFORNIA AMENDMENTS)

CALIFORNIA ELECTRICAL CODE (CEC) - CCR, TITLE 24, PART 3
(2021 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)

CALIFORNIA MECHANICAL CODE (CMC) - CCR, TITLE 24, PART 4
(2021 IAPMO UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS

CALIFORNIA PLUMBING CODE (CPC) - CCR, TITLE 24, PART 5
(2021 IAPMO UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)

CALIFORNIA ENERGY CODE (CEC) - CCR, TITLE 24, PART 6

CALIFORNIA FIRE CODE (CFC) - CCR, TITLE 24, PART 9
(2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)

CALIFORNIA EXISTING BUILDING CODE (CEBC) - CCR, TITLE 24, PART 10

CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN) - CCR, TITLE 24, PART 11

CALIFORNIA REFERENCED STANDARDS CODE - CCR, TITLE 24, PART 12
(PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS)

ASME A17.1CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS PER 2022 CBC PART 2 CH 35) - CAL/OSHA ELEVATOR UNIT ENFORCES CCR TITLE 8 AND USES THE 2004 ASME A17.1 BY ADOPTION

PARTIAL LIST OF APPLICABLE STANDARDS AS OF JANUARY 1, 2023*

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2022 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80. SEE CALIFORNIA BUILDING CODE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.

NFPA 10-21 - STANDARD FOR PORTABLE FIRE EXTINGUISHERS

NFPA 13-22 - STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (AS AMENDED)

NFPA 14-19 - STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS

NFPA 24-19 - STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (AS AMENDED)

NFPA 72-22 - NATIONAL FIRE ALARM AND SIGNALING CODE (AS AMENDED)

ICC 300-17 - STANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS

UL 300-2005(R2010) - STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT

UL 464-03 - AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES

UL 521-99 - STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS

VICINITY MAP



PROJECT LOCATION
MT. DIABLO ELEMENTARY SCHOOL

AGENCY APPROVAL DSA# 01-121407

196
991 W HEDDING ST., SUITE 101
SAN JOSE, CA 95126
TEL (408) 715-4470

CONSULTANTS

CIVIL ENGINEER
CARROLL ENGINEERING
1101 South Winchester Blvd., Suite H184
San Jose, CA 95128
TEL (408) 261-9800

MECHANICAL ENGINEER
CYPRESS ENGINEERING GROUP
8 Harris Court, Suite A8
Monterey, CA 93940
TEL (831) 218-1802

ELECTRICAL ENGINEER
ATIUM ENGINEERING
3533 York Ln.
San Ramon, CA 94582
TEL (913) 961-1658

STRUCTURAL ENGINEER
BASE Design Inc.
582 Market St. Ste 1402
San Francisco, CA 94104
TEL (415) 466-2997

TECHNOLOGY ENGINEER
KMM Services, Inc.
5433 El Camino Ave. Suite 5
Carmichael, CA 95608
TEL (916) 359-4000

PROFESSIONAL STAMP

LICENSED ARCHITECT — MARIANA ALVAREZ MAY — C-36108 — REN. 01-31-25 — STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE
MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
TITLE SHEET
INCREMENT 2

DRAWN BY: JK JOB NUMBER: 23120.01

SHEET NO.
2G-001

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:12:27 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt

SHEET INDEX INCREMENT 01

SHEET #	SHEET NAME
1. OVERALL GENERAL INFORMATION	
1G-001	TITLE SHEET
1G-002	CALGREEN CODE COMPLIANCE
1G-101	OVERALL SITE PLAN
1G-201	BUILDING 1 & 5 - EXIT ANALYSIS PLAN
1G-202	BUILDING 8 - EXIT ANALYSIS PLAN
1G-900	ACCESSIBILITY CLEARANCES
GENERAL SHEETS TOTAL: 6	
2. CIVIL ENGINEERING	
C1.1	DEMOLITION PLAN
C2.1	GRADING & DRAINAGE PLAN
C3.1	UNDERGROUND UTILITIES PLAN
C4.1	NOTES, LEGEND, & DETAILS
C4.2	DETAILS
C5.1	HORIZONTAL CONTROL PLAN
CIVIL SHEETS TOTAL: 6	
3. ARCHITECTURAL DRAWINGS	
1A-021	BLDG 1 - DEMOLITION FLOOR PLAN
1A-022	BLDG 5 ADMIN - DEMOLITION FLOOR & REFLECTED CEILING PLANS
1A-023	BLDG 7 & 8 - DEMOLITION FLOOR PLAN
1A-031	BLDG 1 - DEMOLITION REFLECTED CEILING PLAN
1A-111	SITE DETAILS
1A-201	BLDG 1 - FLOOR PLAN AND REFLECTED CEILING PLAN
1A-202	BLDG 5 ADMIN - FLOOR PLAN AND REFLECTED CEILING PLAN
1A-203	BLDG 5 ADMIN - DEMO & NEW ROOF PLAN
1A-205	BLDG 7 & 8 - FLOOR & ROOF PLAN
1A-251	BLDG 1, 5, & 8 - FINISH & SIGNAGE PLANS
1A-301	BLDG 1 & 5 - EXTERIOR ELEVATIONS
1A-304	BLDG 7 & 8 - EXTERIOR ELEVATIONS
1A-401	BLDG 5 - SECTIONS
1A-501	ENLARGED PLANS AND ELEVATIONS
1A-502	ENLARGED PLANS AND ELEVATIONS
1A-503	ENLARGED PLANS AND ELEVATIONS
1A-601	BLDG 1 - INTERIOR ELEVATIONS
1A-602	BLDG 1 & 5 INTERIOR ELEVATIONS
1A-603	BLDG 8 - INTERIOR ELEVATIONS
1A-604	CASEWORK ELEVATIONS
1A-701	EXTERIOR & ROOF DETAILS
1A-801	DOOR SCHEDULE
1A-811	WINDOW SCHEDULE
1A-821	DOOR AND WINDOW DETAILS
1A-911	WALL TYPES & DETAILS
1A-921	INTERIOR DETAILS
1A-922	CEILING DETAILS
1A-925	SIGNAGE DETAILS
1A-931	CASEWORK DETAILS
ARCHITECTURAL SHEETS TOTAL: 29	
4. STRUCTURAL ENGINEERING	
1S-100	BUILDING 1-FOUNDATION AND BUILDING 7-ROOF FRAMING PLANS
1S-201	GENERAL NOTES
1S-501	TYPICAL CONCRETE DETAILS
1S-800	NAILING SCHEDULE
1S-801	FRAMING DETAILS
1S-802	FRAMING DETAILS
STRUCTURAL SHEETS TOTAL: 6	
5. MECHANICAL ENGINEERING	
1MP-001	LEGENDS & NOTES - MECHANICAL & PLUMBING
1MP-002	SCHEDULES - MECHANICAL & PLUMBING
1MP-003	SCHEMATICS & SEQUENCES -MECHANICAL
1MP-201	BLDG 1- DEMO & NEW FLOOR PLANS
1MP-202	BLDG 5- DEMO & NEW FLOOR PLANS
1MP-203	BLDG 7- DEMO & NEW FLOOR PLANS
1MP-204	BLDG 8 - DEMO & NEW FLOOR PLANS
1MP-301	BLDGS 7 & 5 - DEMO & NEW ROOF PLANS
1MP-401	BLDGS 1 & 5 - DEMO & NEW RESTROOM PLANS
1MP-601	DETAILS - MECHANICAL & PLUMBING
1MP-602	DETAILS - MECHANICAL & PLUMBING
1MP-801	T24 - MECHANICAL
1MP-802	T24 - MECHANICAL
MECHANICAL SHEETS TOTAL: 13	
6. ELECTRICAL ENGINEERING	
1E000	GENERAL INFORMATION
1E001	GENERAL INFORMATION
1E002	SCHEDULES
1E003	SCHEDULES
1E100	SITE PLAN
1E201	LIGHTING PLANS
1E202	LIGHTING PLANS
1E203	LIGHTING PLANS
1E301	POWER & SIGNAL PLANS
1E302	POWER & SIGNAL PLANS
1E303	POWER & SIGNAL PLANS
1E304	POWER & SIGNAL PLANS
1E305	POWER & SIGNAL PLANS
1E401	DETAILS
1E402	DETAILS
1E403	DETAILS
1E501	TITLE 24
1E502	TITLE 24
ELECTRICAL SHEETS TOTAL: 18	
7. FIRE PROTECTION	
1F000	GENERAL INFORMATION
1F001	SCHEDULES
1F100	SITE PLAN
1F201	FIRE ALARM PLANS
1F202	FIRE ALARM PLANS
1F203	FIRE ALARM PLANS
1F204	FIRE ALARM PLANS
1F301	DETAILS
1F401	DETAILS
FIRE PROTECTION SHEETS TOTAL: 9	
8. TECHNOLOGY DATA	
1T-000	TECHNOLOGY INFRASTRUCTURE COVER SHEET
1T-010	TECHNOLOGY INFRASTRUCTURE SITE PLAN DEMO
1T-020	TECHNOLOGY INFRASTRUCTURE FLOOR PLANS DEMO
1T-021	TECHNOLOGY INFRASTRUCTURE FLOOR PLANS DEMO
1T-100	TECHNOLOGY INFRASTRUCTURE SITE PLAN NEW
1T-200	TECHNOLOGY INFRASTRUCTURE FLOOR PLANS NEW
1T-201	TECHNOLOGY INFRASTRUCTURE FLOOR PLANS NEW
1T-300	TECHNOLOGY INFRASTRUCTURE RCP NEW
1T-301	TECHNOLOGY INFRASTRUCTURE RCP NEW
1T-700	TECHNOLOGY INFRASTRUCTURE SINGLE LINES
1T-701	TECHNOLOGY INFRASTRUCTURE CCTV VIEWS
1T-800	TECHNOLOGY INFRASTRUCTURE DETAILS
1T-801	TECHNOLOGY INFRASTRUCTURE DETAILS
1T-802	TECHNOLOGY INFRASTRUCTURE DETAILS
TECHNOLOGY SHEETS TOTAL: 14	
OVERALL SHEET TOTAL: 101	

SHEET INDEX INCREMENT 02 - THIS SUBMITTAL

SHEET #	SHEET NAME
1. OVERALL GENERAL INFORMATION	
2G-001	**TITLE SHEET**
2G-002	**SHEET INDEX**
2G-003	**CALGREEN CODE COMPLIANCE**
2G-102	**FIRE AUTHORITY SITE PLAN**
2G-201	**BLDG 2 & 3 - EXIT ANALYSIS PLAN**
2G-202	**BLDG 4 & 5 - EXIT ANALYSIS PLAN**
2G-203	**BLDG 6 & 9 - EXIT ANALYSIS PLAN**
2G-204	**BLDG 10 - EXIT ANALYSIS PLAN**
2G-900	**ACCESSIBILITY CLEARANCES**
GENERAL SHEETS TOTAL: 9	
2. CIVIL ENGINEERING (*)	
2-C0.1	**NOTES, LEGEND & INDEX**
2-C1.1	**DEMOLITION PLAN**
2-C2.1	**GRADING & DRAINAGE PLAN**
2-C3.1	**UNDERGROUND UTILITIES PLAN**
2-C4.1	**HORIZONTAL CONTROL PLAN**
2-C5.1	**EROSION CONTROL PLAN**
2-C6.0	**DETAILS**
CIVIL SHEETS TOTAL: 7	
3. ARCHITECTURAL DRAWINGS	
2A-021	**BLDG 2 & 3 - DEMOLITION FLOOR PLAN**
2A-022	**BLDG 4 - DEMOLITION FLOOR PLAN**
2A-023	**BLDG 5 - DEMOLITION FLOOR PLAN**
2A-024	**BLDG 6 - DEMOLITION FLOOR PLAN**
2A-025	**BLDG 9 & 10 - DEMOLITION FLOOR PLAN**
2A-026	**BLDG 2, 3, & 4 - DEMOLITION REFLECTED CEILING PLAN**
2A-027	**BLDG 5 & 6 - DEMOLITION REFLECTED CEILING PLAN**
2A-028	**BLDG 5 - ENLARGED DEMO PLAN**
2A-031	**BLDG 2 & 3 - DEMO EXTERIOR ELEVATIONS**
2A-032	**BLDG 4 & 5 - DEMO EXTERIOR ELEVATIONS**
2A-033	**BLDG 7 & 9 - DEMO EXTERIOR ELEVATIONS**
2A-034	**BLDG 10 - DEMO EXTERIOR ELEVATIONS**
2A-111	**SITE DETAILS**
2A-201	**BLDG 2, 3, & 4 - FLOOR PLANS**
2A-202	**BLDG 5 & 6 - FLOOR PLANS**
2A-203	**BLDG 9 & 10 - FLOOR PLANS**
2A-211	**BLDG 2, 3, & 4 - REFLECTED CEILING PLANS**
2A-212	**BLDG 5 & 6 - REFLECTED CEILING PLANS**
2A-251	**BLDG 2, 3, & 4 - FINISH & SIGNAGE PLANS**
2A-252	**BLDG 5 & 6 - FINISH & SIGNAGE PLANS**
2A-253	**BLDG 9 & 10 - FINISH & SIGNAGE PLANS**
2A-301	**BLDG 2 & 3 - EXTERIOR ELEVATIONS**
2A-302	**BLDG 4 & 5 - EXTERIOR ELEVATIONS**
2A-303	**BLDG 6 & 9 - EXTERIOR ELEVATIONS**
2A-304	**BLDG 10 - EXTERIOR ELEVATIONS**
2A-501	**BLDG 5 - ENLARGED PLANS AND ELEVATIONS**
2A-502	**BLDG 2 & 4 - ENLARGED PLANS & ELEVATIONS**
2A-601	**BLDG 2, 3, & 4 - INTERIOR ELEVATIONS**
2A-602	**BLDG 5 - INTERIOR ELEVATIONS**
2A-603	**BLDG 5 & 6 - INTERIOR ELEVATIONS**
2A-604	**BLDG 6 - INTERIOR ELEVATIONS**
2A-605	**BLDG 9 & 10 - INTERIOR ELEVATIONS**
2A-606	**CASEWORK ELEVATIONS**
2A-801	**DOOR SCHEDULE**
2A-812	**WINDOW SCHEDULE**
2A-821	**DOOR AND WINDOW DETAILS**
2A-911	**WALL TYPES & DETAILS**
2A-921	**INTERIOR DETAILS**
2A-922	**CEILING DETAILS**
2A-925	**SIGNAGE DETAILS**
2A-931	**CASEWORK DETAILS**
2A-933	**CASEWORK FLOOR PLANS**
2A-934	**CASEWORK FLOOR PLANS**
ARCHITECTURAL SHEETS TOTAL: 43	
4. STRUCTURAL ENGINEERING (*)	
2S-100	**GENERAL NOTES**
2S-201	**FOUNDATION PLAN BUILDING 5**
2S-501	**TYPICAL CONCRETE DETAILS**
2S-800	**NAILING SCHEDULE**
2S-801	**FRAMING DETAILS**
STRUCTURAL SHEETS TOTAL: 5	
5. MECHANICAL & PLUMBING ENGINEERING (*)	
2MP-001	**LEGENDS & NOTES - MECHANICAL & PLUMBING**
2MP-002	**SCHEDULES - MECHANICAL & PLUMBING**
2MP-201	**BLDG 2 - DEMO & NEW FLOOR PLANS**
2MP-202	**BLDG 3 - DEMO & NEW FLOOR PLANS**
2MP-203	**BLDG 4 - DEMO & NEW FLOOR PLANS**
2MP-204	**BLDG 5 - DEMO & NEW FLOOR PLANS**
2MP-205	**BLDG 6 - DEMO & NEW FLOOR PLANS**
2MP-206	**BLDG 9 - DEMO & NEW FLOOR PLANS**
2MP-207	**BLDG 10 - DEMO & NEW FLOOR PLANS**
2MP-301	**BLDG 5 - DEMO & NEW ROOF PLANS**
2MP-401	**BLDG 5 - DEMO & NEW RESTROOM PLANS**
2MP-501	**CONTROLS-MECHANICAL**
2MP-601	**DETAILS - MECHANICAL & PLUMBING**
2MP-801	**T24 - MECHANICAL**
MECHANICAL SHEETS TOTAL: 14	
6. ELECTRICAL ENGINEERING (*)	
2E000	**GENERAL INFORMATION**
2E001	**GENERAL INFORMATION**
2E002	**SCHEDULES**
2E003	**SCHEDULES**
2E100	**SITE PLAN**
2E200	**LIGHTING PLANS**
2E201	**LIGHTING PLANS**
2E202	**LIGHTING PLANS**
2E203	**LIGHTING PLANS**
2E204	**LIGHTING PLANS**
2E300	**POWER & SIGNAL PLANS**
2E301	**POWER & SIGNAL PLANS**
2E302	**POWER & SIGNAL PLANS**
2E303	**POWER & SIGNAL PLANS**
2E304	**POWER & SIGNAL PLANS**
2E305	**POWER & SIGNAL PLANS**
2E306	**POWER & SIGNAL PLANS**
2E401	**DETAILS**
2E402	**DETAILS**
2E501	**TITLE 24**
2E502	**TITLE 24**
2E503	**TITLE 24**
ELECTRICAL SHEETS TOTAL: 22	
7. FIRE ALARM (*)	
2F000	**GENERAL INFORMATION**
2F001	**SCHEDULES**
2F100	**SITE PLAN**
2F111	**DEMO FIRE ALARM PLANS**
2F112	**DEMO FIRE ALARM PLANS**
2F113	**DEMO FIRE ALARM PLANS**
2F114	**DEMO FIRE ALARM PLANS**
2F201	**FIRE ALARM PLANS**
2F202	**FIRE ALARM PLANS**
2F203	**FIRE ALARM PLANS**
2F204	**FIRE ALARM PLANS**
2F301	**DIAGRAMS**
2F302	**DIAGRAMS**
2F401	**DETAILS**
FIRE ALARM SHEETS TOTAL: 14	
8. TECHNOLOGY ENGINEERING (*)	
2T-000	**TECHNOLOGY INFRASTRUCTURE COVER SHEET**
2T-010	**TECHNOLOGY INFRASTRUCTURE SITE PLAN DEMO**
2T-020	**TECHNOLOGY INFRASTRUCTURE FLOOR PLANS DEMO**
2T-021	**TECHNOLOGY INFRASTRUCTURE FLOOR PLANS DEMO**
2T-022	**TECHNOLOGY INFRASTRUCTURE FLOOR PLANS DEMO**
2T-023	**TECHNOLOGY INFRASTRUCTURE FLOOR PLANS DEMO**
2T-100	**TECHNOLOGY INFRASTRUCTURE SITE PLAN NEW**
2T-200	**TECHNOLOGY INFRASTRUCTURE FLOOR PLANS NEW**
2T-201	**TECHNOLOGY INFRASTRUCTURE FLOOR PLANS NEW**
2T-202	**TECHNOLOGY INFRASTRUCTURE FLOOR PLANS NEW**
2T-203	**TECHNOLOGY INFRASTRUCTURE FLOOR PLANS NEW**
2T-300	**TECHNOLOGY INFRASTRUCTURE REFLECTED CEILING PLANS NEW**
2T-301	**TECHNOLOGY INFRASTRUCTURE REFLECTED CEILING PLANS NEW**
2T-302	**TECHNOLOGY INFRASTRUCTURE REFLECTED CEILING PLANS NEW**
2T-303	**TECHNOLOGY INFRASTRUCTURE REFLECTED CEILING PLANS NEW**
2T-700	**TECHNOLOGY INFRASTRUCTURE RACK ELEVATIONS**
2T-701	**TECHNOLOGY INFRASTRUCTURE SINGLE LINE DIAGRAMS**
2T-800	**TECHNOLOGY INFRASTRUCTURE DETAILS**
2T-801	**TECHNOLOGY INFRASTRUCTURE DETAILS**
2T-802	**TECHNOLOGY INFRASTRUCTURE DETAILS**
TECHNOLOGY SHEETS TOTAL: 20	
OVERALL SHEET TOTAL: 134	

NOTE: THE PURPOSE OF THIS SITE PLAN IS TO ILLUSTRATE THE OVERALL LAYOUT, INCLUDING THE ENCLOSED PROPERTY LINES AND THE PATH OF EGRESS.

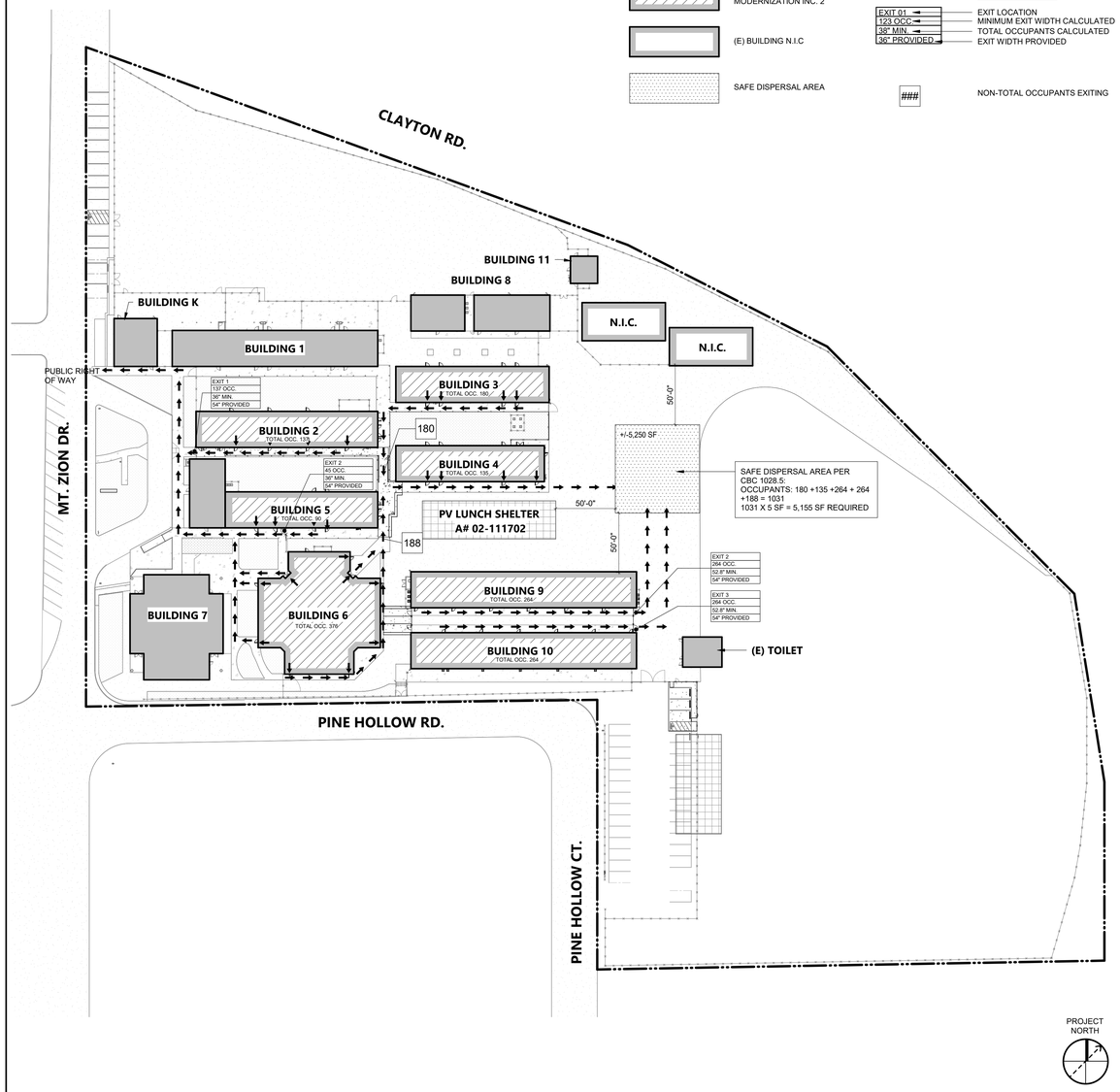
LEGEND

- SCHOOL PROPERTY LINE.
- PATH OF EGRESS
- LIMITS OF WORK
- PROJECT BUILDING MODERNIZATION INC. 1
- PROJECT BUILDING MODERNIZATION INC. 2
- (E) BUILDING N.I.C
- SAFE DISPERSAL AREA
- (E) LANDSCAPING
- (E) SOLAR PANEL
- (E) CHAINLINK FENCE
- (N) CHAINLINK FENCE

EGRESS WIDTH TAG

EXIT 01 → EXIT LOCATION
123 OCC. → MINIMUM EXIT WIDTH CALCULATED
38" MIN. → TOTAL OCCUPANTS CALCULATED
36" PROVIDED → EXIT WIDTH PROVIDED

NON-TOTAL OCCUPANTS EXITING



PROJECT NORTH

STATEMENT OF GENERAL CONFORMANCE

* THE DRAWINGS LISTED ON THE SHEET INDEX OF THIS COVER HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

1) DESIGN INTENT, AND IT APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS, AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND
2) COORDINATION WITH MY PLANS AND SPECIFICATIONS, AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

THE STATEMENT OF GENERAL CONFORMANCE *SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF EDUCATION CODE, AND SECTIONS 4-336, 4-341 AND 4-334 OF TITLE 24, PART 1 (*TITLE 24, PART 1, SECTION 4-317 [b]*).

I FIND THAT: ■ ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET

☐ THIS DRAWING OR PAGE

■ IS/ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN INTENT, AND

■ HAS/HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS.

SIGNATURE — DATE: 10/17/2024

ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE

MARIANA ALVAREZ PARGA

PRINT NAME

C-36107 — 01-31-2025

LICENSE NUMBER — EXPIRATION DATE

EGRESS SITE PLAN - PROPERTY LINE

1" = 50'-0" | **1**

AGENCY APPROVAL DSA# 01-121407

991 W HEDDING ST., SUITE 101
SAN JOSE, CA 95126
TEL (408) 715-4470

CONSULTANTS

CIVIL ENGINEER
CARROLL ENGINEERING
1101 South Winchester Blvd., Suite H184
San Jose, CA 95128
TEL (408) 261-9800

MECHANICAL ENGINEER
CYPRESS ENGINEERING GROUP
8 Harris Court, Suite A8
Monterey, CA 93940
TEL (831) 218-1802

ELECTRICAL ENGINEER
ATIUM ENGINEERING
3533 York Ln.
San Ramon, CA 94582
TEL (913) 961-1658

STRUCTURAL ENGINEER
BASE Design Inc.
582 Market St. Ste 1402
San Francisco, CA 94104
TEL (415) 466-2997

TECHNOLOGY ENGINEER
KMM Services, Inc.
5433 El Camino Ave. Suite 5
Carmichael, CA 95608
TEL (916) 359-4000

PROFESSIONAL STAMP

LICENSED ARCHITECT — MARIANA ALVAREZ PARGA — C-36107 — REN. 01-31-25 — STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

SHEET INDEX

INCREMENT 2

DRAWN BY: xx JOB NUMBER: 23120.01

SHEET NO.

2G-002

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:12:32 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 20232/3120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt

CODE SECTION & DESCRIPTION	LOCATION IN DOCUMENTS/ COMPLIANCE
5.106 SITE DEVELOPMENT	
5.106.4.2 BICYCLE PARKING. *For public schools and community colleges comply with Sections 5.106.4.2.1 and 5.106.4.2.2*	N/A - NO NEW BUILDINGS
5.106.4.2.1 STUDENT BICYCLE PARKING *Provide permanently anchored bicycle racks conveniently accessed with a minimum of four two-bike capacity racks per new building.*	N/A
5.106.4.2.2 STAFF BICYCLE PARKING *Provide permanent, secure bicycle parking conveniently accessed with a minimum of two staff bicycle parking spaces per new building. Acceptable bicycle parking facilities shall be convenient from the street or staff parking area and shall meet one of the following:* *1. Covered, lockable enclosures with permanently anchored racks for bicycles;* *2. Lockable bicycle rooms with permanently anchored racks; or* *3. Lockable, permanently anchored bicycle lockers.*	N/A
5.106.5.3 ELECTRIC VEHICLE (EV) CHARGING [N] *Construction shall comply with Section 5.106.5.3.1 or Section 5.106.5.3.2 to facilitate future installation of electric vehicle supply equipment (EVSE). When EVSE(s) is/are installed, it shall be in accordance with the California Building Code, the California Electrical Code and as follows:*	N/A - NO NEW BUILDINGS
5.106.5.3.1 SINGLE CHARGING SPACE REQUIREMENTS [N] *When only a single charging space is required per Table 5.106.5.3.3, a raceway is required to be installed at the time of construction and shall be installed in accordance with the California Electrical Code. Construction plans and specifications shall include, but are not limited to, the following:* *1. The type and location of the EVSE.* *2. A listed raceway capable of accommodating a 208/240-volt dedicated branch circuit.* *3. The raceway shall not be less than trade size 1."* *4. The raceway shall originate at a service panel or a subpanel serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and into a listed suitable cabinet, box, enclosure or equivalent.* *5. The service panel or subpanel shall have sufficient capacity to accommodate a minimum 40-ampere dedicated branch circuit for the future installation of the EVSE.*	N/A
5.106.5.3.2 MULTIPLE CHARGING SPACE REQUIREMENTS [N] *When multiple charging spaces are required per Table 5.106.5.3.3 raceway(s) is/are required to be installed at the time of construction and shall be installed in accordance with the California Electrical Code Construction plans and specifications shall include, but are not limited to, the following:* *1. The type and location of the EVSE* *2. The raceway(s) shall originate at a service panel or a subpanel(s) serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and into listed suitable cabinet(s), box(es), enclosure(s) or equivalent.* *3. Plan design shall be based upon 40-ampere minimum branch circuits.* *4. Electrical calculations shall substantiate the design of the electrical system, to include the rating of equipment and any on-site distribution transformers and have sufficient capacity to simultaneously charge all required EVs at its full rated amperage.* *5. The service panel or subpanel(s) shall have sufficient capacity to accommodate the required number of dedicated branch circuit(s) for the future installation of the EVSE.*	N/A
5.106.5.3.3 EV CHARGING SPACE CALCULATION [N] *Table 5.106.5.3.3 shall be used to determine if single or multiple charging space requirements apply for the future installation of EVSE.* *Exceptions: On a case-by-case basis where the local enforcing agency has determined EV charging and infrastructure is not feasible based upon one or more of the following conditions:* *1. Where there is insufficient electrical supply.* *2. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.*	N/A

TABLE 5.106.5.3.3

TOTAL NUMBER OF ACTUAL PARKING SPACES	NUMBER OF REQUIRED EV CHARGING SPACES
0-9	0
10-25	1
26-50	2
51-75	4
76-100	5
101-150	7
151-200	10
201-OVER	6% OF TOTAL

5.106.5.3.4 [N] IDENTIFICATION
The service panel or subpanel(s) circuit directory shall identify the reserved overcurrent protective device space(s) for future EV charging as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE."

5.106.5.3.5 [N] FUTURE CHARGING SPACES *Future charging spaces qualify as designated parking as described in Section 5.106.5.2 Designated parking for clean air vehicles.*	N/A
5.106.8 LIGHT POLLUTION REDUCTION *[N] Outdoor lighting systems shall be designed and installed to comply with the following:* *1. The minimum requirements in the California Energy Code for Lighting Zones 0-4 as defined in Chapter 10, Section 10-114 of the California Administrative Code; and* *2. Backlight (B) ratings as defined in IES TM-15-11 (shown in Table A-1 in Chapter 8);* *3. Uplight and Glare ratings as defined in California Energy Code (shown in Tables 130.2-A and 130.2-B in Chapter 8) and* *4. Allowable BUG ratings not exceeding those shown in Table 5.106.8 [N], or* *Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.* *Exceptions: [N]* *1. Luminaires that qualify as exceptions in Section 140.7 of the California Energy Code* *2. Emergency lighting* *3. Building facade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6.* *4. Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8 Alternate materials, designs and methods of construction.* *Notes:* *1. [N] See also California Building Code, Chapter 12, Section 1205.7 for college campus lighting requirements for parking facilities and walkways.* *2. Refer to Chapter 8 (Compliance Forms, Worksheets and Reference Material) for IES TM-15-11 Table A1, California Energy Code Tables 130.2-A and 130.2-B.* *3. Refer to the California Energy Code for requirements for additions and alterations.*	N/A - NO NEW BUILDINGS
5.106.10 GRADING AND PAVING *Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:* *1. Swales.* *2. Water collection and disposal systems.* *3. French drains.* *4. Water retention gardens.* *5. Other water measures which keep surface water away from buildings and aid in groundwater recharge.* *Exception: Additions and alterations not altering the drainage path.*	N/A - NO CHANGES TO EXISTING DRAINAGE
5.106.12 SHADE TREES *[DSA-SS] Shade trees shall be planted to comply with Sections 5.106.12.1, 5.106.12.2, and 5.106.12.3. Percentages shown shall be measured at noon on the summer solstice. Landscape irrigation necessary to establish and maintain tree health shall comply with Section 5.304.6.*	N/A - NO NEW BUILDINGS
5.106.12.1 SURFACE PARKING AREAS *Shade tree plantings, minimum No. 10 container size or equal, shall be installed to provide shade over 50 percent of the parking area within 15 years.* *Exceptions: The surface parking area covered by solar photovoltaic shade structures, or shade structures, with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, are not included in the total area calculation.*	N/A
5.106.12.2 LANDSCAPE AREAS *Shade tree plantings, minimum No. 10 container size or equal shall be installed to provide shade of 20% of the landscape area within 15 years.* *Exception: Playfields for organized sport activity are not included in the total area calculation.*	N/A
5.106.12.3 HARDSCAPE AREAS *Shade tree plantings, minimum No. 10 container size or equal shall be installed to provide shade over 20 percent of the hardscape area within 15 years.* *Exception: Walks, hardscape areas covered by solar photovoltaic shade structures, and hardscape areas covered by shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, are not included in the total area calculation.*	N/A
5.201 ENERGY EFFECIENCY	
5.201.1 SCOPE. CALIFORNIA ENERGY CODE *For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory building standards.*	PER DSA PR 07-01: PRE-CHECK APPROVAL
5.3 WATER EFFICIENCY AND CONSERVATION	
5.303.3.1 WATER CLOSETS *The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type Toilets.* *Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.*	SEE PLUMBING DWGS.
5.303.3.2 URINALS **5.303.3.2.1 WALL-MOUNTED URINALS** *The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush.*	SEE PLUMBING DWGS.
5.303.3.2.2 FLOOR-MOUNTED URINALS *The effective flush volume of floor-mounted or other urinals shall not exceed 0.5 gallons per flush.*	N/A
5.303.3.3 SHOWERHEADS **5.303.3.3.1 SINGLE SHOWERHEAD** *Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.*	N/A
5.303.3.3.2 MULTIPLE SHOWERHEADS SERVING ONE SHOWER *When a shower is served by more than one showerhead, the combined flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.* *Note: A hand-held shower shall be considered a showerhead.*	N/A

CODE SECTION & DESCRIPTION	LOCATION IN DOCUMENTS/ COMPLIANCE
5.3 WATER EFFICIENCY AND CONSERVATION (CONT.)	
5.303.3.4 FAUCETS AND FOUNTAINS **5.303.3.4.1 NONRESIDENTIAL LAVATORY FAUCETS** *Lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi.*	2MP-003, SEE PLUMBING DWGS.
5.303.3.4.2 KITCHEN FAUCETS *Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.*	N/A
5.303.3.4.3 WASH FOUNTAINS *Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute/20 [rim space (inches) at 60 psi].*	N/A
5.303.3.4.4 METERING FAUCETS *Metering faucets shall not deliver more than 0.20 gallons per cycle.*	N/A
5.303.3.4.5 METERING FAUCETS FOR WASH FOUNTAINS *Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per cycle/ 20 [rim space (inches) at 60 psi].* *Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.*	N/A
5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS *Plumbing fixtures and fittings shall be installed in accordance with the California Plumbing Code, and shall meet the applicable standards referenced in Table 1701.1 of the California Plumbing Code and in Chapter 6 of this code.*	SEE PLUMBING DWGS.
5.304.6 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS *For public schools and community colleges, landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of Water Resources Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter 2.7, Division 2, Title 23, California Code of Regulations, except that the evapotranspiration adjustment factor (ETAF) shall be 0.65 with an additional water allowance for special landscape areas (SLA) of 0.35.* *Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the prescriptive measures contained in Appendix D of the MWELO.*	PER DSA PR 15-03 SEE DSA 1-L
5.304.6.1 NEWLY CONSTRUCTED LANDSCAPES *New construction projects with an aggregate landscape area equal to or greater than 500 square feet.*	N/A
5.304.6.2 REHABILITATED LANDSCAPES *Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,200 square feet.*	N/A
5.4 MATERIAL CONSERVATION AND RESOURCE EFFECIENCY	
5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT **5.407.1 WEATHER PROTECTION** *Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code Section 1402.2 (Weather Protection), manufacturer's installation instructions or local ordinance, whichever is more stringent.*	N/A - NO NEW BUILDINGS
5.407.2 MOISTURE CONTROL *Employ moisture control measures by the following methods.*	N/A
5.407.2.1 SPRINKLERS *Design and maintain landscape irrigation systems to prevent spray on structures.*	N/A
5.407.2.2 ENTRIES AND OPENINGS *Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings as follows:*	N/A
5.407.2.2.1 EXTERIOR DOOR PROTECTION *Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following:* *1. An installed awning at least 4 feet in depth.* *2. The door is protected by a roof overhang at least 4 feet in depth.* *3. The door is recessed at least 4 feet.* *4. Other methods which provide equivalent protection.*	N/A
5.407.2.2.2 FLASHING *Install flashings integrated with a drainage plane.*	N/A
5.408.1 CONSTRUCTION WASTE MANAGEMENT *Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.*	SEE SPECIFICATIONS 01 74 19
5.408.1.1 CONSTRUCTION WASTE MANAGEMENT PLAN *Where a local jurisdiction does not have a construction and demolition waste management ordinance that is more stringent, submit a construction waste management plan that* *1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale.* *2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).* *3. Identifies diversion facilities where construction and demolition waste material collected will be taken.* *4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.*	N/A
5.408.1.2 WASTE MANAGEMENT COMPANY *Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.* *Note: The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company.* *Exceptions to Sections 5.408.1.1 and 5.408.1.2:* *1. Excavated soil and land-clearing debris.* *2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.* *3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.*	N/A
5.408.1.3 WASTE STREAM REDUCTION ALTERNATIVE *The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65 percent minimum requirement as approved by the enforcing agency.*	N/A
5.408.1.4 DOCUMENTATION *Documentation shall be provided to the enforcing agency which demonstrates compliance with Sections 5.408.1.1 through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.* *Notes:* *Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located at https://www.dgs.ca.gov/BSC/Resources/ Page-Content/Building-Standards-CommissionResources-List-Folder/CALGreen may be used to assist in documenting compliance with the waste management plan.* *Mixed construction and demolition debris (C&D) processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).*	N/A
5.410.1 RECYCLING BY OCCUPANTS *Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive.* *Exception: Rural jurisdictions that meet and apply for the exemption in Public Resources Code 42649.82 (a)(2)(A) et seq. shall also be exempt from the organic waste portion of this section.*	N/A - NO NEW BUILDINGS
5.410.1.1 ADDITIONS *All additions conducted within a 12-month period under single or multiple permits, resulting in an increase of 30 percent or more in floor area, shall provide recycling areas on site.* *Exception: Additions within a tenant space resulting in less than a 30-percent increase in the tenant space floor area.*	N/A
5.410.1.2 SAMPLE ORDINANCE *Space allocation for recycling areas shall comply with Chapter 18, Part 3, Division 30 of the Public Resources Code. Chapter 18 is known as the California Solid Waste Reuse and Recycling Access Act of 1991 (Act).* *Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's web site.*	N/A - NO NEW BUILDINGS
5.5 ENVIRONMENTAL QUALITY	
5.504.3 COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION *At the time of rough installation and during storage on the construction site until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheetmetal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may enter the system.*	SEE MECHANICAL DWGS.
5.504.4 FINISH MATERIAL POLLUTANT CONTROL *Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.6.*	SEE SPECIFICATIONS
5.504.4.1 ADHESIVES, SEALANTS AND CAULKS *Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:* *1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.* *2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing with Section 94507.*	SEE SPECIFICATIONS
SEE TABLE 5.504.4.1 ADHESIVE VOC LIMIT	SEE SPECIFICATIONS
SEE TABLE 5.504.4.2 SEALANT VOC LIMIT	

CODE SECTION & DESCRIPTION	LOCATION IN DOCUMENTS/ COMPLIANCE
5.5 ENVIRONMENTAL QUALITY (CONT.)	
5.504.4.3 PAINTS AND COATINGS *Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.*	SEE SHEET 2A-251 SEE SPECIFICATIONS 09 91 00
SEE TABLE 5.504.4.3 VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS	SEE SPECIFICATIONS
5.504.4.3.1 AEROSOL PAINTS AND COATINGS *Aerosol paints and coatings shall meet the PWMIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of California Code of Regulations, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.*	SEE SPECIFICATIONS
5.504.4.3.2 VERIFICATION *Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:* *1. Manufacturer's product specification* *2. Field verification of on-site product containers*	SEE SPECIFICATIONS
5.504.4.4 CARPET SYSTEMS *All carpet installed in the building interior shall meet at least one of the following testing and product requirements:* *1. Carpet and Rug Institute's Green Label Plus Program;* *2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1, February 2010 (also known as CDPH Standard Method V1.1 or Specification 01350);* *3. NSF/ANSI 140 at the Gold level or higher;* *4. Scientific Certifications Systems Sustainable Choice; or* *5. Compliant with the Collaborative for High Performance Schools California (2014 CA-CHPS) Criteria and listed in the CHPS High Performance Product Database.*	SEE SHEET 2A-252 SEE SPECIFICATIONS 09 68 13
5.504.4.4.1 CARPET CUSHION *All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute's Green Label program.*	SEE SPECIFICATIONS
5.504.4.4.2 CARPET ADHESIVE *All carpet adhesive shall meet the requirements of Table 5.504.4.1.*	SEE SPECIFICATIONS
5.504.4.5 COMPOSITE WOOD PRODUCTS *Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the building shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure (ATCM) for Composite Wood (17 CCR 93120 et seq.) Those materials not exempted under the ATCM must meet the specified emission limits, as shown in Table 5.504.4.5.*	SEE SPECIFICATIONS
SEE TABLE 5.504.4.5 FORMALDEHYDE LIMITS	
5.504.4.6 RESILIENT FLOORING SYSTEMS *For 80 percent of floor area receiving resilient flooring, installed resilient flooring shall meet at least one of the following:* *1. Certified under the Resilient Floor Covering Institute (RFCI) FloorScore program;* *2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health's 2010 Standard Method for the Testing and Evaluation Chambers, Version 1.1, February 2010;* *3. Compliant with the Collaborative for High Performance Schools California (2014 CA-CHPS) Criteria and listed in the CHPS High Performance Product Database; or* *4. Products certified under UL GREENGUARD Gold (formerly the Greenguard Children's & Schools Program).*	SEE SHEET 2A-251 SEE SPECIFICATIONS 09 65 00
5.504.5.3 FILTERS *In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a Minimum Efficiency Reporting Value (MERV) of 13. MERV 13 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.* *Exception: Existing mechanical equipment.*	SEE MECHANICAL SHEETS
5.505.1 INDOOR MOISTURE CONTROL *Buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2, Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures, see Section 5.407.2 of this code.*	SEE MECHANICAL SHEETS
5.506.1 OUTSIDE AIR DELIVERY *For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 (Requirements For Ventilation) of the California Energy Code, or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.*	SEE MECHANICAL SHEETS
5.507.4 ACOUSTICAL CONTROL *Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E90 and ASTM E413 or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.* *Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.* *Exception: [DSA-SS] For public schools and community colleges, the requirements of this section and all subsections apply only to new construction.*	N/A - NO NEW BUILDINGS
5.507.4.1 EXTERIOR NOISE TRANSMISSION, PRESCRIPTIVE METHOD *Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations:* *1. Within the 65 CNEL noise contour of an airport.* *Exceptions:* *A. Ldn or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICUZ) plan.* *B. Ldn or CNEL for other airports and heliports for which a land use plan has not been developed shall be determined by the local general plan noise element.* *2. Within the 65 CNEL or Ldn noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.*	N/A
5.507.4.1.1 NOISE EXPOSURE WHERE NOISE CONTOURS ARE NOT READILY AVAILABLE *Buildings exposed to a noise level of 65 dB Leq-1-hr during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30).*	N/A
5.507.4.2 PERFORMANCE METHOD *For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (Leq-1Hr) of 50 dBA in occupied areas during any hour of operation.*	N/A
5.507.4.2.1 SITE FEATURES *Exterior features such as sound walls or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.*	N/A
5.507.4.2.2 DOCUMENTATION OF COMPLIANCE *An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer of record.*	N/A
5.507.4.3 INTERIOR SOUND TRANSMISSION *Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.* *Note: Examples of assemblies and their various STC ratings may be found at the California Office of Noise Control: http://www.toolbase.org/PDF/CaseStudies/stc_icc_ratings.pdf.*	N/A
5.508.1 OZONE DEPLETION AND GREENHOUSE GAS REDUCTIONS *Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.*	SEE MECHANICAL SHEETS
5.508.1.1 CHLOROFLUOROCARBONS (CFCS) *Install HVAC, refrigeration and fire suppression equipment that do not contain CFCs.*	SEE MECHANICAL SHEETS
5.508.1.2 HALONS *Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.*	SEE MECHANICAL SHEETS

CALGREEN CODE COMPLIANCE

THIS PROJECT IS SUBJECT TO THE REQUIREMENTS OF THE 2022 CALGREEN CODE (TITLE 24CCR, PART II) AS ADOPTED BY DSA FOR APPLICATION TO PUBLIC SCHOOLS [DSA-SS]. MANDATORY MEASURES ARE LOCATED AT DRAWING SHEET 1G-002.

SIGNATURE OF THE ARCHITECT/ENGINEER	DATE	LICENSE NUMBER	EXPIRATION DATE
	10/17/24	C-36107	01-31-25

AGENCY APPROVAL DSA# 01-121407

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ELECTRICAL ENGINEER
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TECHNOLOGY ENGINEER
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TEL (916) 359-4000

PROFESSIONAL STAMP

LICENSED ARCHITECT — REGINALD ALVAREZ PARKS — C-36107 — REN. 01-31-25 — STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

CALGREEN CODE COMPLIANCE

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

SHEET NO.

2G-003

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:12:34 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt

PROJECT BUILDING INFORMATION

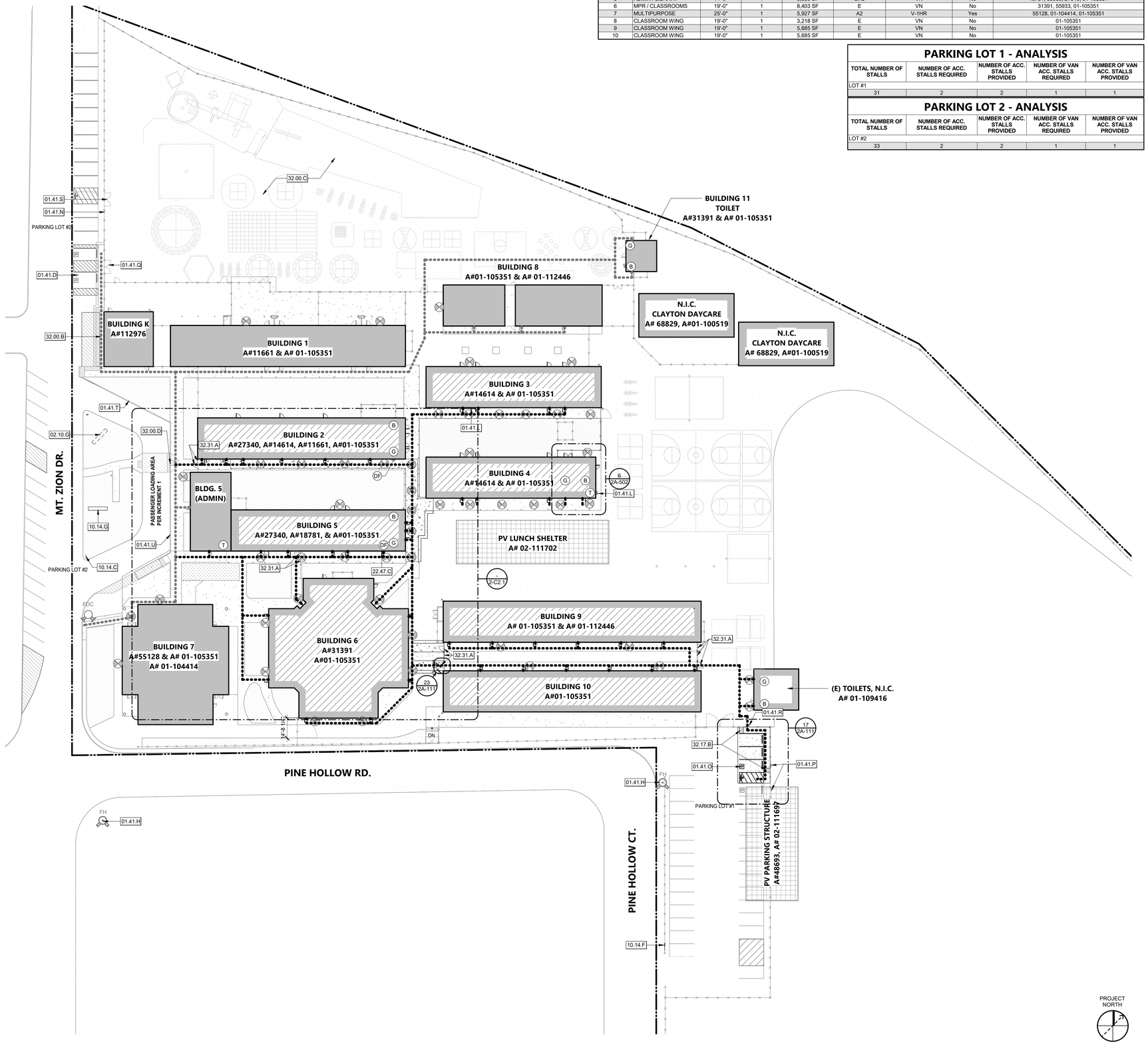
BUILDING	DESCRIPTION	BUILDING HEIGHT	STORIES	BLDG. AREA ACTUAL UNIT AREA	OCCUPANCY	CONSTRUCTION TYPE	SPRINKLER	D.S.A.#
1	CLASSROOM WING	19'-0"	1	6,670 SF	E	VN	No	11661, 01-112976, 01-105351
2	CLASSROOM WING	14'-0"	1	4,575 SF	E	VN	No	11661, 14614, 55933, 27340, 01-105351
3	CLASSROOM WING	14'-0"	1	6,571 SF	E	VN	No	14614, 01-105351
4	CLASSROOM WING	14'-0"	1	3,735 SF	E	VN	No	14614, 55933, 01-105351
5	ADMIN / LIBRARY	14'-0"	1	5,589 SF	B, E	VN	No	18781, 55933, 27340, 01-105351
6	MPR / CLASSROOMS	19'-0"	1	8,403 SF	E	VN	No	31391, 55933, 01-105351
7	MULTIPURPOSE	25'-0"	1	5,927 SF	A2	V-1HR	Yes	55128, 01-104414, 01-105351
8	CLASSROOM WING	19'-0"	1	3,218 SF	E	VN	No	01-105351
9	CLASSROOM WING	19'-0"	1	5,685 SF	E	VN	No	01-105351
10	CLASSROOM WING	19'-0"	1	5,685 SF	E	VN	No	01-105351

PARKING LOT 1 - ANALYSIS

TOTAL NUMBER OF STALLS	NUMBER OF ACC. STALLS REQUIRED	NUMBER OF ACC. STALLS PROVIDED	NUMBER OF VAN ACC. STALLS REQUIRED	NUMBER OF VAN ACC. STALLS PROVIDED
LOT #1				
31	2	2	1	1

PARKING LOT 2 - ANALYSIS

TOTAL NUMBER OF STALLS	NUMBER OF ACC. STALLS REQUIRED	NUMBER OF ACC. STALLS PROVIDED	NUMBER OF VAN ACC. STALLS REQUIRED	NUMBER OF VAN ACC. STALLS PROVIDED
LOT #2				
33	2	2	1	1



KEYNOTES

01.41.D	VAN ACCESSIBLE PARKING & SIGNAGE, PART OF INCREMENT 1 IN THIS APPLICATION
01.41.H	(E) FIRE HYDRANT
01.41.L	(E) HI-LOW DRINKING FOUNTAIN, DSA #01-105351
01.41.N	(E) KNOX BOX
01.41.O	ACCESSIBLE PARKING, SEE 17/2A-111
01.41.P	(N) ACCESSIBLE PARKING SIGN ON (E) POST, SEE DETAIL 3/2A-111
01.41.Q	(E) MAINTENANCE GATE PER INCREMENT 1
01.41.R	(E) CHAINLINK GATE, REVERSE SWING AND PROVIDE LEVER. REMOVE PANIC HARDWARE
01.41.S	(E) AUTHORIZED PERSONNEL ONLY SIGN AT THE (E) SERVICE GATE
01.41.T	(E) CONCRETE CURB, PAINTED RED
01.41.U	(E) CONCRETE CURB PAINTED YELLOW
02.10.G	(E) MONUMENT SIGN TO BE REMOVED
10.14.C	PARKING LOT ENTRANCE SITE
10.14.F	(N) TOW AWAY SIGN, SEE 5/2A-211
10.14.G	(N) ELECTRONIC MARQUEE SIGN, SEE 10/2A-111
22.47.C	(N) ACCESSIBLE HI-LOW DRINKING FOUNTAIN, SEE 17/2G-900
32.00.B	(E) TRUNCATED DOME, PART OF INCREMENT 1 IN THIS APPLICATION
32.00.C	(E) PLAYGROUND STRUCTURE, DSA #01-107195
32.00.D	(E) ACCESSIBLE RAMP, PART OF INCREMENT 1 IN THIS APPLICATION
32.17.B	(N) TRUNCATED DOMES, S.C.D.
32.31.A	(N) CHAIN LINK FENCE AND GATE W/ PANIC HARDWARE, REFER TO DETAIL 23/2A-111

LEGEND - SITE PLAN

- ASSUMED PROPERTY LINE
- LIMITS OF WORK
- (E) BUILDING N.I.C.
- INCREMENT 1 (N.I.C.) (E) PROJECT BUILDING
- INCREMENT 2 (E) PROJECT BUILDING
- (E) PV STRUCTURE
- (E) CONCRETE PAVING
- (N) CONCRETE PAVING, S.C.D. (2-C6.0)
- (E) ASPHALT PAVING
- (N) ASPHALT PAVING, S.C.D. (2-C6.0)
- (E) LANDSCAPING
- (N) LANDSCAPING
- INCREMENT 1 - PATH OF TRAVEL

INCREMENT 2 - PATH OF TRAVEL (P.O.T.)

- AS INDICATED, IS A COMMON BARRIER FREE ACCESS ROUTE
- IS AT LEAST 48" WIDE.
- NO ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL
- THE PATH SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH.
- PASSING SPACES (11B-403.2) AT LEAST 60"x60" ARE LOCATED NOT MORE THAN 200' APART.
- PARTS OF P.O.T. WITH CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS (11B-403.7) NOT MORE THAN 400' APART.
- THE CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED.
- (POT) SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (11B-307.4) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (11B-307).
- ARCHITECT SHALL VERIFY PATH OF TRAVEL CONFORMS WITH THE ABOVE.

- (E) FENCE LINE
- (E) FIRE HYDRANT
- (E) FIRE DEPARTMENT CONNECTION
- (E) EXTERIOR LIGHTING
- (DF) HI-LOW DRINKING FOUNTAIN
- (T) ADULT/STAFF SINGLE-USER TOILET ROOM
- (M)(W) ADULT/STAFF MULTI-USER TOILET ROOM
- (ST) STUDENT SINGLE-USER TOILET
- (B)(G) STUDENT MULTI-USER TOILET
- (KT) KINDERGARTEN STUDENT TOILET

LEGEND - CODE SITE GENERAL NOTES

1. ALL NEW CONCRETE AND AC PAVING IN P.O.T. SHALL HAVE 2% MAX. SLOPE IN ALL DIRECTIONS U.N.O. AND SHALL HAVE FLUSH TRANSITIONS TO ALL ADJACENT NEW AND EXISTING WALK SURFACES IN P.O.T .
2. ALL LANDSCAPE EDGES ALONG ALL NEW OR EXISTING WALK SURFACES IN P.O.T. SHALL BE PER CIVIL DRAWINGS.
3. FOR GRATINGS OR STRAINERS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAY OR IN P.O.T., THE MAXIMUM GRATE OR STRAINER OPENINGS SHALL NOT EXCEED 1/2" IN THE DIRECTION OF TRAFFIC FLOW.
4. THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR THE 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 NON-COMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECTS WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NON-COMPLIANT 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 SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON-CONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.
5. THE OCCUPANCY OF EXISTING STRUCTURES AS DESCRIBED IN THE PROJECT INFORMATION CONTINUE WITHOUT CHANGE PER THE APPROVED DSA APPLICATION NUMBER (CBC 102.6).
6. NO OCCUPANCY CHANGE, SIGNIFICANT ALTERATION, OR INCREASE IN SQUARE FOOTAGE IS PROPOSED FOR THIS PROJECT SCOPE OF WORK. BUILDINGS DO NOT REQUIRE THE ADDITION OF SPRINKLERS. EXISTING BUILDING CONSTRUCTION TYPE WILL BE MAINTAINED.

AGENCY APPROVAL DSA# 01-121407

196
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TECHNOLOGY ENGINEER
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TEL (916) 359-4000

PROFESSIONAL STAMP



REVISIONS

NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE
MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
FIRE AUTHORITY SITE PLAN

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

SHEET NO.
2G-102

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

SITE PLAN - FIRE AUTHORITY - INC. 02 | 1" = 30'-0" | 1

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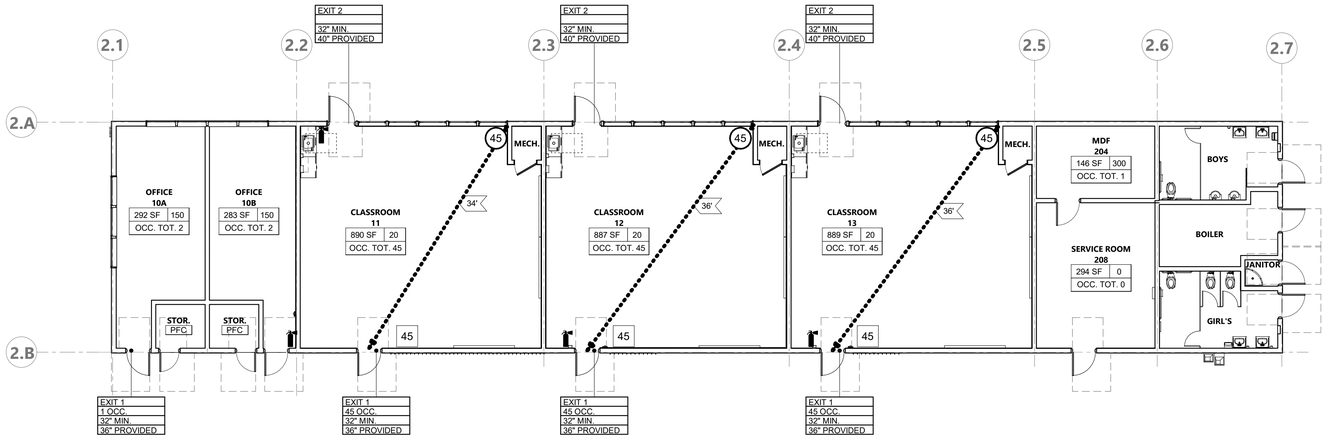
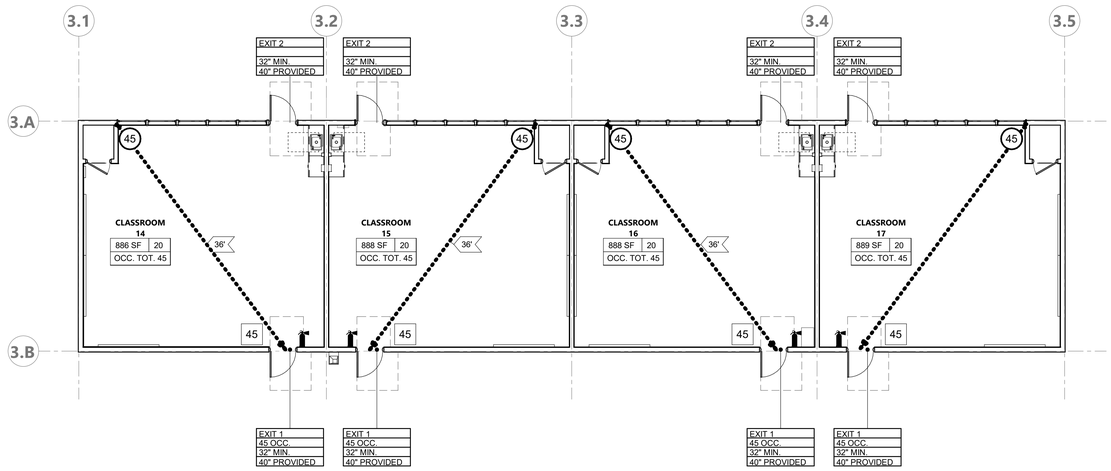


OCCUPANT CHART PER 2022 CBC TABLE 1004.5_BLDG 2

ROOM #	ROOM NAME	FUNCTION	N SF	SF/OCC.	OCC. #	OCCUPANCY TYPE	MAXIMUM OCCUPANT LOAD W/ 1 EXIT TABLE 1006.2.1	MIN. CLR. DOOR EXIT WIDTH	# EXITS REQUIRED	# EXITS PROVIDED
10A	OFFICE	BUSINESS AREAS	292 SF	150 SF	2	B	49	2'-8"	1	1
11	CLASSROOM	EDUCATIONAL CLASSROOM AREA	890 SF	20 SF	45	E	49	2'-8"	1	2
12	CLASSROOM	EDUCATIONAL CLASSROOM AREA	887 SF	20 SF	45	E	49	2'-8"	1	2
13	CLASSROOM	EDUCATIONAL CLASSROOM AREA	889 SF	20 SF	45	E	49	2'-8"	1	2
OCCUPANT TOTAL:					137					

PROJECT NORTH

BUILDING 2 - CODE ANALYSIS FLOOR PLAN | 1/8" = 1'-0" | 1



OCCUPANT CHART PER 2022 CBC TABLE 1004.5_BLDG 3

ROOM #	ROOM NAME	FUNCTION	N SF	SF/OCC.	OCC. #	OCCUPANCY TYPE	MAXIMUM OCCUPANT LOAD W/ 1 EXIT TABLE 1006.2.1	MIN. CLR. DOOR EXIT WIDTH	# EXITS REQUIRED	# EXITS PROVIDED
14	CLASSROOM	EDUCATIONAL CLASSROOM AREA	886 SF	20 SF	45	E	49	2'-8"	1	2
15	CLASSROOM	EDUCATIONAL CLASSROOM AREA	888 SF	20 SF	45	E	49	2'-8"	1	2
16	CLASSROOM	EDUCATIONAL CLASSROOM AREA	888 SF	20 SF	45	E	49	2'-8"	1	2
17	CLASSROOM	EDUCATIONAL CLASSROOM AREA	889 SF	20 SF	45	E	49	2'-8"	1	2
OCCUPANT TOTAL:					180					

PROJECT NORTH

BUILDING 3 - CODE ANALYSIS FLOOR PLAN | 1/8" = 1'-0" | 2

LEGEND - CODE ANALYSIS

OCCUPANCY TAG

ROOM NAME
101
150 SF | 15
OCC. TOT. 25

- ROOM NUMBER
- OCCUPANT LOAD FACTOR
- TOTAL OCCUPANCY CALCULATED
- ROOM AREA

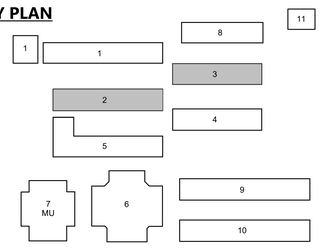
EGRESS WIDTH TAG

EXIT 01
123 OCC.
38" MIN.
36" PROVIDED

- EXIT LOCATION
- TOTAL OCCUPANTS CALCULATED
- MINIMUM EXIT WIDTH CALCULATED
- EXIT WIDTH PROVIDED

- BUILDING EXIT
- FIRE EXTINGUISHER
- 0' EGRESS DISTANCE
- ### OCCUPANTS EXITING, OR TOTAL OCCUPANTS THIS ROOM
- INTERIOR WORK NOT IN SCOPE
- ### OCCUPANTS ALONG PATH, OR BLEACHER SEATING OCCUPANT COUNT
- PH PANIC HARDWARE
- (E) EXIT SIGN. SEE ALSO ELECTRICAL LIGHTING PLANS
- Act DOOR ACTUATOR

KEY PLAN



AGENCY APPROVAL DSA# 01-121407

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PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
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MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 2 & 3 - EXIT ANALYSIS PLAN

INCREMENT 2

DRAWN BY: JK JOB NUMBER: 23120.01

SHEET NO.

2G-201

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

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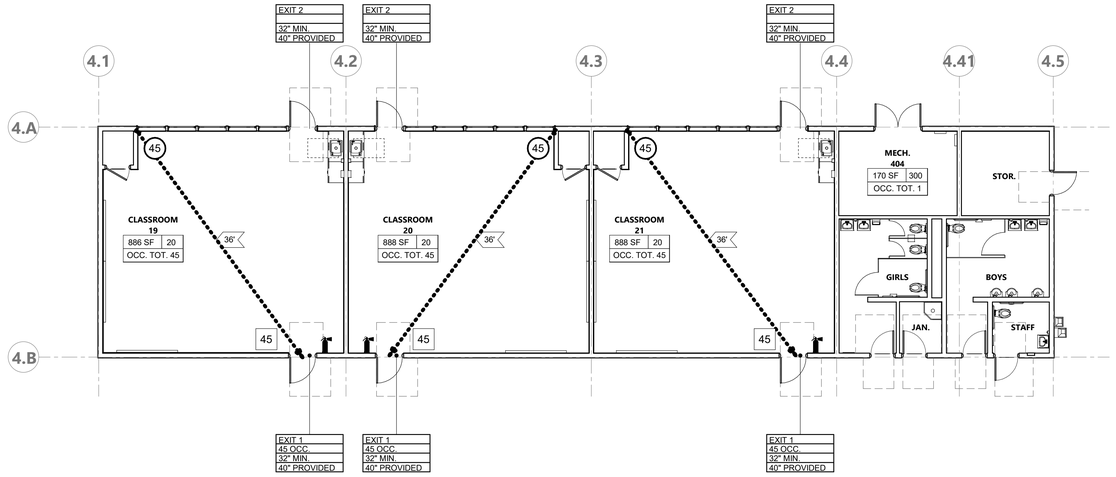
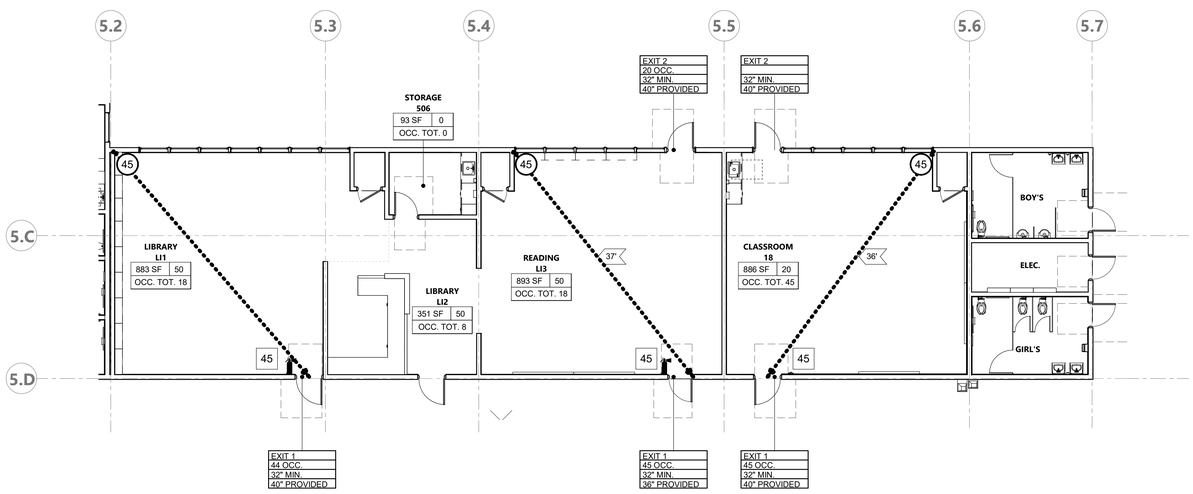


OCCUPANT CHART PER 2022 CBC TABLE 1004.5_BLDG 4

ROOM #	ROOM NAME	FUNCTION	N SF	SF/OCC.	OCC. #	OCCUPANCY TYPE	MAXIMUM OCCUPANT LOAD W/ 1 EXIT TABLE 1006.2.1	MIN. CLR. DOOR EXIT WIDTH	# EXITS REQUIRED	# EXITS PROVIDED
19	CLASSROOM	EDUCATIONAL CLASSROOM AREA	886 SF	20 SF	45	E	49	2'-8"	1	2
20	CLASSROOM	EDUCATIONAL CLASSROOM AREA	888 SF	20 SF	45	E	49	2'-8"	1	2
21	CLASSROOM	EDUCATIONAL CLASSROOM AREA	888 SF	20 SF	45	E	49	2'-8"	1	2
OCCUPANT TOTAL:					135					

PROJECT NORTH

BUILDING 4 - CODE ANALYSIS FLOOR PLAN | 1/8" = 1'-0" | **1**



OCCUPANT CHART PER 2022 CBC TABLE 1004.5_BLDG 5

ROOM #	ROOM NAME	FUNCTION	N SF	SF/OCC.	OCC. #	OCCUPANCY TYPE	MAXIMUM OCCUPANT LOAD W/ 1 EXIT TABLE 1006.2.1	MIN. CLR. DOOR EXIT WIDTH	# EXITS REQUIRED	# EXITS PROVIDED
18	CLASSROOM	EDUCATIONAL CLASSROOM AREA	886 SF	20 SF	45	E	49	2'-8"	1	2
503	ELEC.	ACCESSORY STORAGES AREAS, MECHANICAL EQUIPMENT ROOM	98 SF	300 SF	1	E	49	2'-8"	1	2
LI1	LIBRARY	LIBRARY STACK AREA	883 SF	100 SF	18	E	49	2'-8"	1	2
LI2	LIBRARY	EDUCATIONAL CLASSROOM AREA	351 SF	20 SF	8	E	49	2'-8"	1	2
LI3	READING	LIBRARY STACK AREA	893 SF	100 SF	18	E	49	2'-8"	1	2
OCCUPANT TOTAL:					90					

PROJECT NORTH

BUILDING 5 - CODE ANALYSIS FLOOR PLAN | 1/8" = 1'-0" | **2**

LEGEND - CODE ANALYSIS

OCCUPANCY TAG

ROOM NAME
101
150 SF | 15
OCC. TOT. 25

- ROOM NUMBER
- OCCUPANT LOAD FACTOR
- TOTAL OCCUPANCY CALCULATED
- ROOM AREA

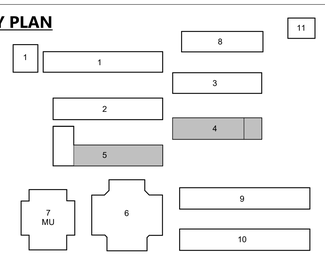
EGRESS WIDTH TAG

EXIT 01
123 OCC.
38" MIN.
36" PROVIDED

- EXIT LOCATION
- TOTAL OCCUPANTS CALCULATED
- MINIMUM EXIT WIDTH CALCULATED
- EXIT WIDTH PROVIDED

- BUILDING EXIT
- FIRE EXTINGUISHER
- 0' EGRESS DISTANCE
- ### OCCUPANTS EXITING, OR TOTAL OCCUPANTS THIS ROOM
- INTERIOR WORK NOT IN SCOPE
- ### OCCUPANTS ALONG PATH, OR BLEACHER SEATING OCCUPANT COUNT
- PH PANIC HARDWARE
- (E) EXIT SIGN. SEE ALSO ELECTRICAL LIGHTING PLANS
- Act DOOR ACTUATOR

KEY PLAN



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REVISIONS

NO.	DATE	DESCRIPTION

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Clayton, CA 94517

SHEET TITLE

BLDG 4 & 5 - EXIT ANALYSIS PLAN

INCREMENT 2

DRAWN BY: JK JOB NUMBER: 23120.01

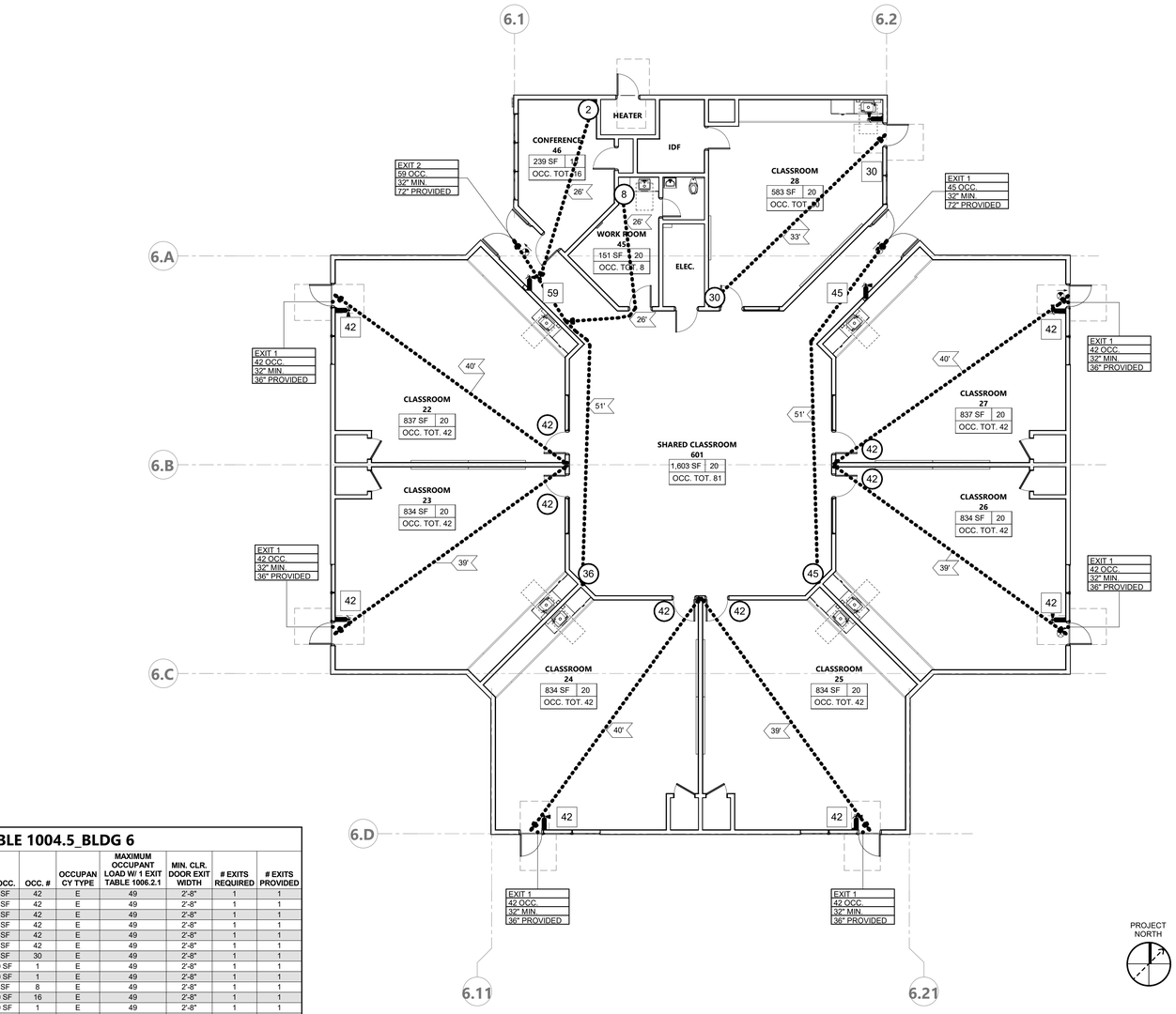
SHEET NO.

2G-202

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:12:46 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt

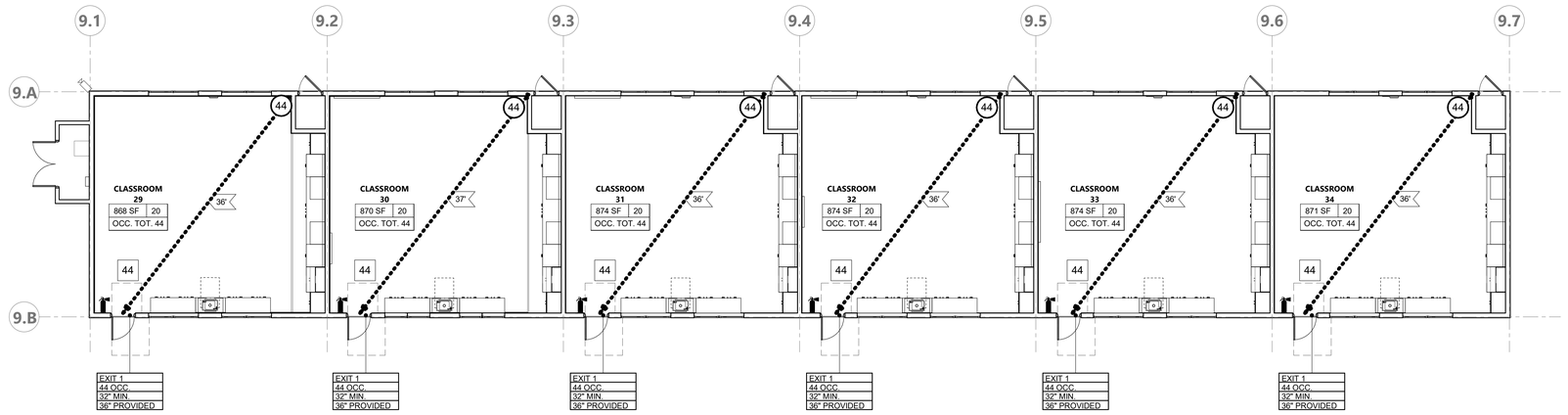


OCCUPANT CHART PER 2022 CBC TABLE 1004.5_BLDG 6

ROOM #	ROOM NAME	FUNCTION	N SF	SF/OCC.	OCC. #	OCCUPANCY TYPE	MAXIMUM OCCUPANT LOAD W/ 1 EXIT TABLE 1006.2.1	MIN. CLR. DOOR EXIT WIDTH	# EXITS REQUIRED	# EXITS PROVIDED
22	CLASSROOM	EDUCATIONAL CLASSROOM AREA	837 SF	20 SF	42	E	49	2'-8"	1	1
23	CLASSROOM	EDUCATIONAL CLASSROOM AREA	834 SF	20 SF	42	E	49	2'-8"	1	1
24	CLASSROOM	EDUCATIONAL CLASSROOM AREA	834 SF	20 SF	42	E	49	2'-8"	1	1
25	CLASSROOM	EDUCATIONAL CLASSROOM AREA	834 SF	20 SF	42	E	49	2'-8"	1	1
26	CLASSROOM	EDUCATIONAL CLASSROOM AREA	834 SF	20 SF	42	E	49	2'-8"	1	1
27	CLASSROOM	EDUCATIONAL CLASSROOM AREA	837 SF	20 SF	42	E	49	2'-8"	1	1
28	CLASSROOM	EDUCATIONAL CLASSROOM AREA	583 SF	20 SF	30	E	49	2'-8"	1	1
43	IDF	ACCESSORY STORAGES AREAS, MECHANICAL EQUIPMENT ROOM	78 SF	300 SF	1	E	49	2'-8"	1	1
44	ELEC.	ACCESSORY STORAGES AREAS, MECHANICAL EQUIPMENT ROOM	66 SF	300 SF	1	E	49	2'-8"	1	1
45	WORK ROOM	EDUCATIONAL CLASSROOM AREA	151 SF	20 SF	8	E	49	2'-8"	1	1
46	CONFERENCE	BUSINESS AREAS	239 SF	150 SF	16	E	49	2'-8"	1	1
47	HEATER	ACCESSORY STORAGES AREAS, MECHANICAL EQUIPMENT ROOM	37 SF	300 SF	1	E	49	2'-8"	1	1
601	SHARED CLASSROOM	EDUCATIONAL CLASSROOM AREA	1,603 SF	20 SF	81	E	49	2'-8"	2	2
OCCUPANT TOTAL:					390					

BUILDING 6 - CODE ANALYSIS FLOOR PLAN

1/8" = 1'-0" | 1



OCCUPANT CHART PER 2022 CBC TABLE 1004.5_BLDG 9

ROOM #	ROOM NAME	FUNCTION	N SF	SF/OCC.	OCC. #	OCCUPANCY TYPE	MAXIMUM OCCUPANT LOAD W/ 1 EXIT TABLE 1006.2.1	MIN. CLR. DOOR EXIT WIDTH	# EXITS REQUIRED	# EXITS PROVIDED
29	CLASSROOM	EDUCATIONAL CLASSROOM AREA	868 SF	20 SF	44	E	49	2'-8"	1	1
30	CLASSROOM	EDUCATIONAL CLASSROOM AREA	870 SF	20 SF	44	E	49	2'-8"	1	1
31	CLASSROOM	EDUCATIONAL CLASSROOM AREA	874 SF	20 SF	44	E	49	2'-8"	1	1
32	CLASSROOM	EDUCATIONAL CLASSROOM AREA	874 SF	20 SF	44	E	49	2'-8"	1	1
33	CLASSROOM	EDUCATIONAL CLASSROOM AREA	874 SF	20 SF	44	E	49	2'-8"	1	1
34	CLASSROOM	EDUCATIONAL CLASSROOM AREA	871 SF	20 SF	44	E	49	2'-8"	1	1
OCCUPANT TOTAL:					264					

BUILDING 9 - CODE ANALYSIS FLOOR PLAN

1/8" = 1'-0" | 2

LEGEND - CODE ANALYSIS

OCCUPANCY TAG

ROOM NAME
101
150 SF | 15
OCC. TOT. 25

- ROOM NUMBER
- OCCUPANT LOAD FACTOR
- TOTAL OCCUPANCY CALCULATED
- ROOM AREA

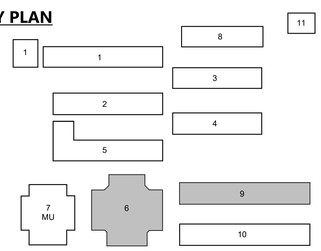
EGRESS WIDTH TAG

EXIT 01
123 OCC.
38" MIN.
36" PROVIDED

- EXIT LOCATION
- TOTAL OCCUPANTS CALCULATED
- MINIMUM EXIT WIDTH CALCULATED
- EXIT WIDTH PROVIDED

- BUILDING EXIT
- FIRE EXTINGUISHER
- 0' — EGRESS DISTANCE
- ### — OCCUPANTS EXITING, OR TOTAL OCCUPANTS THIS ROOM
- INTERIOR WORK NOT IN SCOPE
- (###) — OCCUPANTS ALONG PATH, OR BLEACHER SEATING OCCUPANT COUNT
- PH — PANIC HARDWARE
- (E) EXIT SIGN. SEE ALSO ELECTRICAL LIGHTING PLANS
- Act — DOOR ACTUATOR

KEY PLAN



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SHEET TITLE

BLDG 6 & 9 - EXIT ANALYSIS PLAN

INCREMENT 2

DRAWN BY: JK JOB NUMBER: 23120.01

SHEET NO.

2G-203

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

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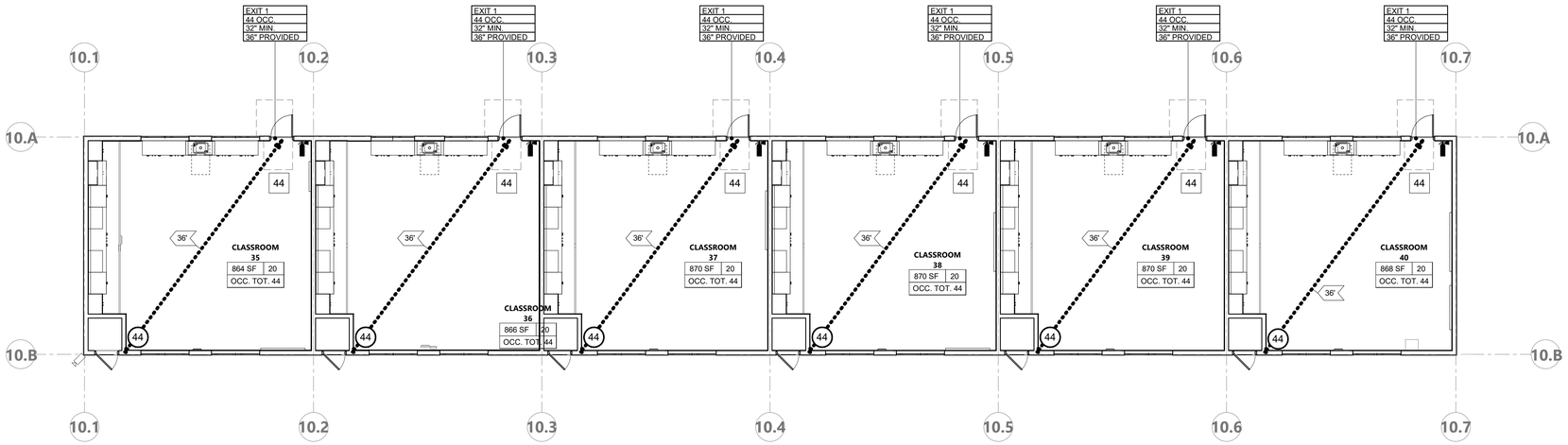


OCCUPANT CHART PER 2022 CBC TABLE 1004.5_BLDG 10

ROOM #	ROOM NAME	FUNCTION	N SF	SF/OCC.	OCC. #	OCCUPANCY TYPE	MAXIMUM OCCUPANT LOAD W/ 1 EXIT TABLE 1006.2.1	MIN. CLR. DOOR EXIT WIDTH	# EXITS REQUIRED	# EXITS PROVIDED
35	CLASSROOM	EDUCATIONAL CLASSROOM AREA	864 SF	20 SF	44	E	49	2'-8"	1	1
36	CLASSROOM	EDUCATIONAL CLASSROOM AREA	866 SF	20 SF	44	E	49	2'-8"	1	1
37	CLASSROOM	EDUCATIONAL CLASSROOM AREA	870 SF	20 SF	44	E	49	2'-8"	1	1
38	CLASSROOM	EDUCATIONAL CLASSROOM AREA	870 SF	20 SF	44	E	49	2'-8"	1	1
39	CLASSROOM	EDUCATIONAL CLASSROOM AREA	870 SF	20 SF	44	E	49	2'-8"	1	1
40	CLASSROOM	EDUCATIONAL CLASSROOM AREA	868 SF	20 SF	44	E	49	2'-8"	1	1
OCCUPANT TOTAL:					264					

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

LEGEND - CODE ANALYSIS

OCCUPANCY TAG

ROOM NAME
101
150 SF | 15
OCC. TOT. 25

- ROOM NUMBER
- OCCUPANT LOAD FACTOR
- TOTAL OCCUPANCY CALCULATED
- ROOM AREA

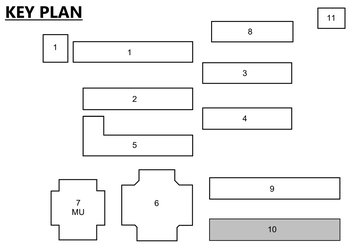
EGRESS WIDTH TAG

EXIT 01
123 OCC.
38" MIN.
36" PROVIDED

- EXIT LOCATION
- TOTAL OCCUPANTS CALCULATED
- MINIMUM EXIT WIDTH CALCULATED
- EXIT WIDTH PROVIDED

- BUILDING EXIT
- FIRE EXTINGUISHER
- 0' EGRESS DISTANCE
- ### OCCUPANTS EXITING, OR TOTAL OCCUPANTS THIS ROOM
- INTERIOR WORK NOT IN SCOPE
- ### OCCUPANTS ALONG PATH, OR BLEACHER SEATING OCCUPANT COUNT
- PH PANIC HARDWARE
- (E) EXIT SIGN. SEE ALSO ELECTRICAL LIGHTING PLANS
- Act DOOR ACTUATOR

KEY PLAN



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SHEET TITLE
BLDG 10 - EXIT ANALYSIS PLAN

INCREMENT 2

DRAWN BY: JK JOB NUMBER: 23120.01

SHEET NO.
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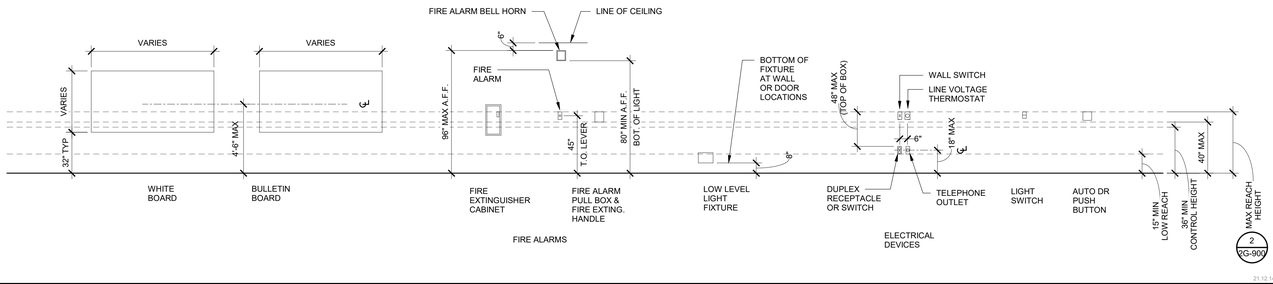
DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:12:52 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt



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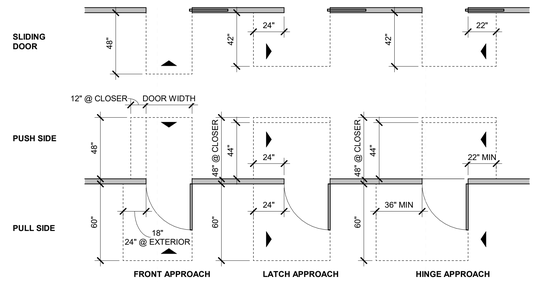
TYPICAL MOUNTING HEIGHTS

1/4" = 1'-0" | 11



MANEUVERING CLEARANCES PER CBC 11B-404.2.4 & TABLE 11B-404.2.4.1

CLEAR WIDTH PER CBC 11B-404.2.3 DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES (813 MM) MINIMUM. CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24 INCHES (610 MM) DEEP SHALL PROVIDE A CLEAR OPENING OF 36 INCHES (914 MM) MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34 INCHES (864 MM) ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES (864 MM) AND 80 INCHES (2032 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES (102 MM).

RECESSED DOORS PER CBC 11B-404.2.4.3 MANEUVERING CLEARANCES FOR FORWARD APPROACH SHALL BE PROVIDED WHEN ANY OBSTRUCTION WITHIN 18 INCHES (457 MM) OF THE LATCH SIDE AT AN INTERIOR DOORWAY, OR WITHIN 24 INCHES (610 MM) OF THE LATCH SIDE OF AN EXTERIOR DOORWAY, PROJECTS MORE THAN 8 INCHES (203 MM) BEYOND THE FACE OF THE DOOR, MEASURED PERPENDICULAR TO THE FACE OF THE DOOR OR GATE.

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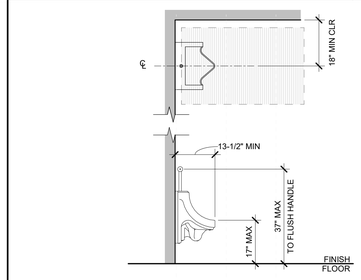
CLEAR AREA AT DOORS

1/4" = 1'-0" | 1

(N) WALL MOUNTED DRINKING FOUNTAIN

N.T.S. | 17



11B-605.1 GENERAL URINALS SHALL COMPLY WITH SECTION 11B-605.

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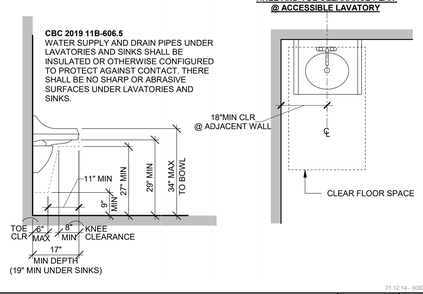
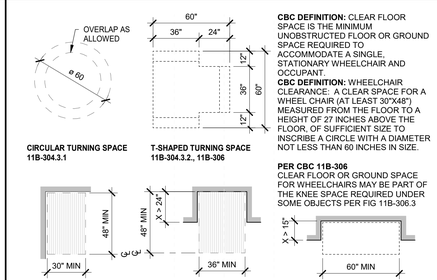
ACCESSIBLE URINAL

1/2" = 1'-0" | 12



HANDWASHING FIXTURE

1/2" = 1'-0" | 13



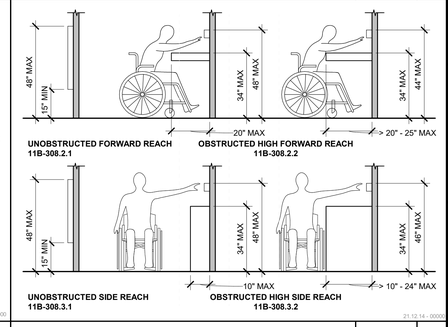
CBC DEFINITION: CLEAR FLOOR SPACE IS THE MINIMUM UNOBSTRUCTED FLOOR OR GROUND SPACE REQUIRED TO ACCOMMODATE A SINGLE, STATIONARY WHEELCHAIR AND OCCUPANT.
CBC DEFINITION: WHEELCHAIR CLEARANCE: A CLEAR SPACE FOR A WHEEL CHAIR (AT LEAST 30"X48") MEASURED FROM THE FLOOR TO A HEIGHT OF 27 INCHES ABOVE THE FLOOR, OF SUFFICIENT SIZE TO INSCRIBE A CIRCLE WITH A DIAMETER NOT LESS THAN 60 INCHES IN SIZE.

PER CBC 11B-306
CLEAR FLOOR OR GROUND SPACE FOR WHEELCHAIRS MAY BE PART OF THE KNEE SPACE REQUIRED UNDER SOME OBJECTS PER FIG 11B-306.3

21.12.14 - 00000

TURNING SPACE, CLEAR FLOOR SPACE

1/4" = 1'-0" | 7



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REACH RANGE

3/8" = 1'-0" | 2



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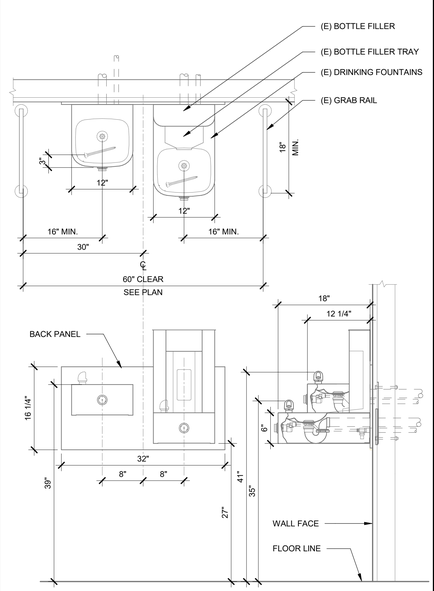
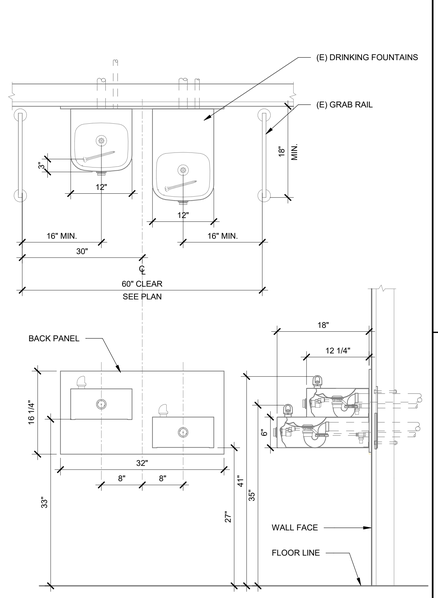
KNEE AND TOE CLEARANCE

1/2" = 1'-0" | 3



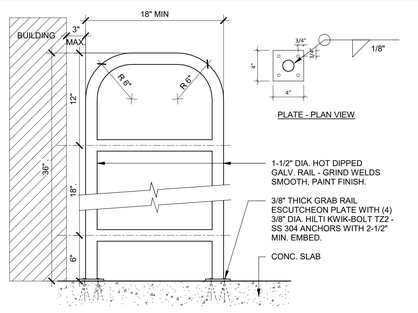
(E) HI-LOW DRINKING FOUNTAIN

N.T.S. | 6



(E) HI-LOW DRINKING FOUNTAIN

N.T.S. | 19



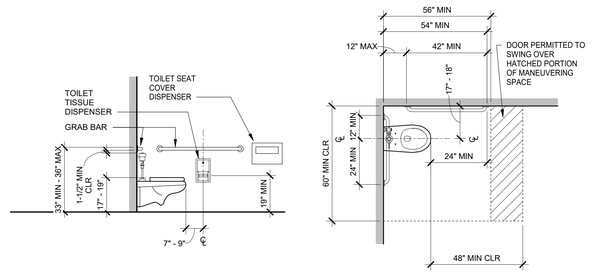
NEW GRAB RAIL @ DF

1 1/2" = 1'-0" | 15

11B-604.1 GENERAL WATER CLOSETS AND TOILET COMPARTMENTS SHALL COMPLY WITH SECTIONS 11B-604.2 THROUGH 11B-604.8.

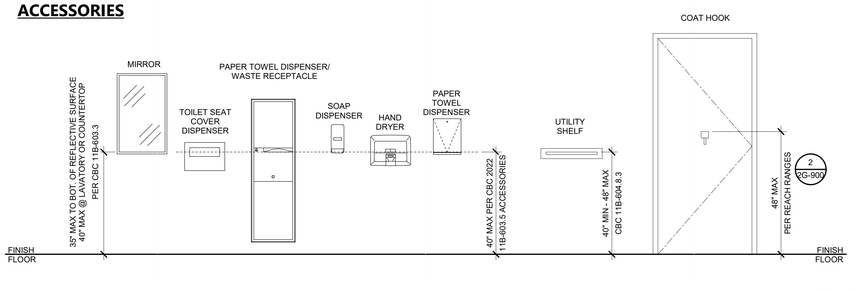
11B-603.2.3 DOOR SWING DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. DOORS TO ACCESSIBLE WATER CLOSET COMPARTMENTS SHALL BE PERMITTED TO ENCROACH INTO THE TURNING SPACE WITHOUT LIMITATION. OTHER THAN DOORS TO ACCESSIBLE WATER CLOSET COMPARTMENTS, A DOOR, IN ANY POSITION, SHALL BE PERMITTED TO ENCROACH INTO THE TURNING SPACE BY 12 INCHES (305 MM) MAXIMUM.

11B-604.5 GRAB BARS GRAB BARS FOR WATER CLOSETS SHALL COMPLY WITH SECTION 11B-609. GRAB BARS SHALL BE PROVIDED ON THE SIDE WALL CLOSEST TO THE WATER CLOSET AND ON THE REAR WALL



ACCESSIBLE WATER CLOSET

3/8" = 1'-0" | 4



ACCESSIBLE FIXTURE DIMENSION

1/2" = 1'-0" | 5

AGENCY APPROVAL DSA# 01-121407

196

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REVISIONS

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE
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MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
ACCESSIBILITY CLEARANCES

INCREMENT 2

DRAWN BY: Author JOB NUMBER: 23120.01

SHEET NO.
2G-900

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:12:53 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt

GENERAL NOTES

1. All work shall be done in accordance with the following:
   a) Applicable sections of the State of California Department of Transportation Standard Specifications, latest edition, hereinafter called "Caltrans";
   b) California Plumbing Code and California Building Code Provisions
   c) AWWA standards and specifications;
   d) City of Clayton Standard Details and Specifications where applicable;
   e) These plans and details shown hereon;
   f) Standards of the United States Department of Labor, Occupational Safety and Health Administration, Office of Standards and rules of the State Division of Industrial Safety.
   g) Latest edition of the California State Code of Regulations Title 24.
   h) The Project Specifications
   i) Soils Investigation prepared by

Where conflicts exist between any of the above listed specifications, the most stringent listed specification shall prevail.

2. It is the responsibility of the Contractor to secure all permits necessary to perform the work, including but not limited to, work in the public right-of-way, grading, tree removal, and utility modifications.

3. Contractor shall supply all equipment, labor, and materials necessary to perform the work shown on this plan.

4. It shall be the responsibility of the various contractors to coordinate their work so as to eliminate conflicts and work toward the general good and completion of the entire project.

5. All workmanship and materials furnished by Contractor shall be of the kind and quality described in the specifications and shall be first class throughout. Neither final acceptance nor final payment by Owner shall relieve the Contractor of responsibility for faulty materials or workmanship.

6. In the event of any conflict of information shown in these plans or any conflict between these plans and the intent of a consistent and functional product, the Contractor shall so notify the Owner in writing, upon which notice the Owner shall resolve the conflict by the issuance of a written order, revised plans or both. The Contractor shall bear full cost and responsibility for work affected by such conflicts and performed by Contractor prior to such notice to the Owner and issuance of such order and/or revised plans.

7. Contractor shall provide adequate dust control at all times as required by Owner's representative.

8. Contractor shall exercise all necessary caution to avoid damage to any existing trees, or surface improvements, or to any existing drainage structure, water structures, sewer cleanouts, manholes, or junction boxes for underground electric, telephone, or cable TV, or storm sewer, sanitary sewer, water line, and underground utilities, which are to remain in place and shall bear full responsibility for any damage thereto.

9. All known existing utility lines are shown for information only. Contractor shall exercise all necessary caution to avoid damage to any existing utility lines or facilities to remain in place, whether or not such lines or facilities are shown on these plans, and shall bear full responsibility for any damage thereto. Contractor is advised to Contact Underground Service Alert (USA) at (800) 642-2444 or a private Underground Locater Service (at contractor's expense) and the affected utility company for marking underground lines prior to beginning work.

10. Inspection of work: The City of Clayton Public Works Department will inspect all work involving conformance to encroachment permit. A representative of Owner will inspect all work, including grades and compaction of earthwork. Contractor shall notify the City of Clayton public works at least forty eight (48) hours prior to work within the public ROW.

11. Engineer shall have no responsibility for Contractor's work methods and procedures, jobsite conditions, jobsite safety or adherence to safety procedures and requirements.

12. The Contractor agrees that, in accordance with generally accepted construction practices, the Contractor will be required to assume sole and complete responsibility for jobsite conditions during the course of construction of the project, including safety of all persons and property. This requirement shall apply continuously and not be limited to normal working hours. The contractor agrees to defend, indemnify and hold Owner and Engineer harmless from any and all liability, real or alleged, in connection with the performance of the work on this project, exempting liability arising from the sole negligence of the Engineer or Owner.

13. Parking lot striping shall be laid out in accordance with the Horizontal Control Plan, and in accordance with the City of Clayton Standard specifications.

14. Contractor shall provide appropriate traffic control measures as outlined in the City of Clayton specifications and as directed by the City Engineer.

GRADING AND PAVING NOTES

1. Work shall consist of all clearing, grubbing, and stripping, preparation of land to be filled, excavation, spreading, compaction and control of the fill, and all subsidiary work necessary to complete the grading to conform to the lines, grades and slopes, as shown on the accepted plans and as specified in the Geotechnical Investigation Report.

2. The contractor's attention is directed to the Geotechnical Investigation prepared by Atlas Technical Consultants LLC dated April 4, 2023, Project No 91-64513-PW.

3. The Contractor's attention is directed to the City of Clayton Off-Site plans for work within the ROW. Contractor shall adhere to the requirements thereof.

4. The Contractor shall notify the Soil Engineer at least forty-eight (48) hours prior to commencement of any grading operations on-site.

5. A representative of the Soils Engineer shall be on site during grading operations and shall perform such testing as deemed necessary. The representative shall observe the grading operation for conditions that should be corrected, and identify those conditions with recommended corrective measures to the Contractor.

6. In the event that any unusual conditions not covered by these notes and the Soils Investigation are encountered during grading operations, the Soils Engineer shall be immediately notified for recommendations.

7. All existing trash, debris, roots, tree remains and other rubbish shall be removed from the site so as to leave the areas that have been disturbed with a neat and finished appearance free from unsightly debris. No burning shall be permitted.

8. Contractor shall grade to the line and elevations shown on the plan within the following horizontal and vertical tolerance, in the areas indicated:

	Horizontal	Vertical
a. Building Pad Subgrade	0.50'+	0.05'+
b. Driveway and parking area subgrade preparation	0.05'+	0.05'+

9. All aggregate base material and the handling and placement thereof shall be in accordance with the Caltrans Standard Specifications. Aggregate base materials shall be Class II.

10. Compacted building pads shall extend 5 feet minimum beyond building footprint.

11. Asphalt concrete (AC) shall be Type A, 3/4" maximum aggregate size for base course and 1/2" maximum aggregate size for surface course, as specified for surface course material in the Caltrans Specification. 2" thickness may be placed in one lift.

12. SC-70 liquid asphalt prime coat conforming to the provisions of the Caltrans Specifications shall be applied at the rate of 0.15+ gallons per square yard to surface of aggregate base prior to placement of asphalt concrete.

13. SS-1 emulsified asphalt paint binder conforming to the provisions of the Caltrans Specification shall be applied at the rate of 0.07+ gallons per square yard to existing asphalt concrete surface and vertical concrete surfaces to receive asphalt concrete.

14. SS-1 emulsified liquid asphalt seal coat conforming to the provisions of the Caltrans Specifications shall be diluted with equal parts water and applied at the rate of 0.15+ gallons per square yard to surface of the new finished asphalt paving surface and existing asphalt paving surfaces to remain in place. Existing asphalt surfaces shall be cleaned prior to seal coat operation.

15. Contractor shall adjust all inlets, valve boxes, manhole rims, and sewer cleanouts to new finish grade.

16. Materials handling and placement of Portland Cement Concrete shall be in accordance with applicable sections of the Caltrans Standard Specifications and these plans and details shown hereon. Concrete to be Class A, 6 sack, 3000 PSI concrete.

UNDERGROUND NOTES

1. Contractor shall expose and verify location and elevation of existing utilities, including sanitary and storm sewers, and water lines before constructing new facilities. Contractor shall cap existing irrigation lines where necessary so that the remaining irrigation system will continue to be operational for the existing landscaping to remain.

2. Materials for pipe, storm water inlets and cleanouts and installation procedures shall be in accordance with applicable California Building Code sections and the City of Clayton Standard Specifications, the Project Specifications and these plans and details shown hereon.

Storm Sewer Pipe designated "SD" shall be SDR 26 PVC pipe or HDPE ADS N-12 pipe appropriate for such use. Storm Sewer Pipe designated "DIP" shall be ductile iron pipe appropriate for such use.

Storm Sewer Pipe designated "RCP" shall be reinforced concrete pipe appropriate for such use.

Sanitary Sewer Pipe designated "SS" shall be vitrified clay pipe or SDR 26 PVC pipe appropriate for such use.

Water Pipe designated "WATER" or "W" shall be Schedule 80 PVC pipe appropriate for such use

Fire Lines designated "FIRE LINE" or "F" shall be AWWA C900 PVC – DR 18 pipe appropriate for such use

3. Ensure grates are ADA compliant (comply with 11B-302.3) for all existing inlets to remain in travelled access paths, subject to pedestrian traffic. Replace as necessary.

4. All trench excavation and backfill for sewer lines shall conform to requirements of the City of Clayton Standard Specifications. Jetting of backfill materials to achieve compaction is not allowed.

5. All trenches and excavations shall be constructed in strict compliance with the applicable sections of California and Federal O.S.H.A. requirements and other applicable safety ordinances. Contractor shall bear full responsibility for trench shoring design and installation.

6. Materials for pipe and installation requirements for domestic water lines shall be in accordance with applicable California Plumbing Code sections and the City of Clayton Standard Specifications and these plans and details shown hereon.

7. Soils on the site have been found to be corrosive. All buried metallic pipes, fittings and appurtenances associated with the water pipelines shall be encased in 8-mil polyethylene per AWWA C-105. All buried copper water service lines shall be encased in 6-mil polyethylene sleeve in accordance with AWWA C-105

ABBREVIATIONS

AB	AGGREGATE BASE		
AC	ASPHALT CONCRETE	LTB	LIME TREATED BASE
ACC	ACCESSIBLE	(ME)	MATCH EXISTING ELEVATION
ARCH	ARCHITECTURAL	MH	MANHOLE
BS	BOTTOM OF STEP	ML	MONUMENT LINE
BW	BACK OF WALK ELEVATION	(N)	NEW
BOW	BOTTOM OF WALL ELEVATIONS	PAV	PAVEMENT SURFACE ELEVATION
CB	CATCH BASIN	℄	PROPERTY LINE
CI	CAST IRON	PP	PERFORATED PIPE
℄	CENTER LINE	RIM	RIM ELEVATION
CLF	CHAIN LINK FENCE	RS	TOP OF RAT SLAB ELEVATION
C&G	CURB AND GUTTER	RWL	RAIN WATER LEADER
CONC	CONCRETE	S=	SLOPE
C	CONCRETE ELEVATION	SD	STORM DRAIN
DWY	DRIVEWAY	S.A.D.	SEE ARCHITECT DRAWINGS
E	ELECTRICAL	S.E.D.	SEE ELECTRICAL DRAWINGS
(E)	EXISTING	S.L.D.	SEE LANDSCAPE DRAWINGS
EBOX	ELECTRICAL BOX	S.P.D.	SEE PLUMBING DRAWINGS
EC	EDGE OF CONCRETE	SG	SUBGRADE ELEVATION
EP	EDGE OF PAVEMENT	SS	SANITARY SEWER
EV	ELECTRICAL VAULT	SSCO	SANITARY SEWER CLEANOUT
F	FIRE LINE	S/W	SIDEWALK
FG	FINISH GRADE	STLT	STREET LIGHT
FNC	FENCE	T	TELEPHONE
FH	FIRE HYDRANT	TC	TOP OF CURB
FF	FINISHED FLOOR ELEVATION	TD	TRENCH DRAIN
FL	FLOW LINE	TILE	TOP OF TILE ELEVATION
FOC	FACE OF CURB	TOE	TOE OF BANK
G	GAS	TOW	TOP OF WALL ELEVATION
GB	GRADE BREAK	TP	TELEPHONE POLE
GND	GROUND ELEVATION	TR	TOP OF RAMP
JP	JOINT POLE	TS	TOP OF STEP
ICV	IRRIGATION CONTROL VALVE	TSB	TRAFFIC SIGNAL BOX
INV	INVERT	VLT	VAULT
LF	LINEAR FEET	W	WATER
LS	LANDSCAPE	WV	WATER VALVE

SHEET INDEX

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LEGEND

DESCRIPTION	PROPOSED	EXISTING
PROPERTY LINE		
CENTERLINE		
CURB & GUTTER		
VERTICAL CURB		
ASPHALT EDGE / SAWCUT		
EXPANSION JOINT		
SCORE JOINT		
VALLEY GUTTER		
TRENCH DRAIN		
PERF PIPE		
RAINWATER LEADER		
STORM LINE		
SANITARY LINE		
WATER LINE		
GAS LINE		
FIRE SPRINKLER	FS	
FIRE LINE	F	
FENCE		
ROLLING FENCE		
CITY CONFORM		
ADA DROP OFF		
FIRE LANE		
TYPICAL RAMP		
ACCESSIBLE RAMP		
TRUNCATED DOMES		
STORM DRAIN INLET		
AREA DRAIN		
END SECTION		
END SECTION MITERED DRAIN GRATE		
DRY WELL CONDENSATE		
BOLLARD		
HYDRANT		
FIRE DEPARTMENT CONNECTION (FDC)		
POST INDICATOR VALVE (PIV)		
THRUST BLOCK		
SHUT OFF VALVE (SOV)		
CHECK VALVE		
BACKFLOW		
ELECTROLIER		
ELECTROLIER CONDUIT & CABLE W/PULL BOX		
DIRECTION & RATE OF SLOPE	0.015	
SWALE		
CONTOUR		
LIGHTING POLE		
EV CHARGING STATION		
ASPHALT PAVING – AUTO		
CONCRETE PAVING – PEDESTRIAN		

AGENCY APPROVAL DSA# XX-XXXXXXXXX

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REVISIONS

1		

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PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
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MT. DIABLO ES MODERNIZATION INCREMENT 2

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

NOTES, LEGEND & INDEX

DRAWN BY: MPM JOB NUMBER: 23120.02

SHEET NO.

2-C0.1

DATE: JULY 23, 2024

CONSTRUCTION DOCUMENTS

Construction Contractor agrees that in accordance with generally accepted construction practices, construction contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property; that this requirement shall be made to apply continuously and not be limited to normal working hours, and construction contractor further agrees to defend, indemnify and hold design professional harmless from any and all liability, real or alleged in connection with the performance of work on this project, excepting liability arising from the sole negligence of design professional.

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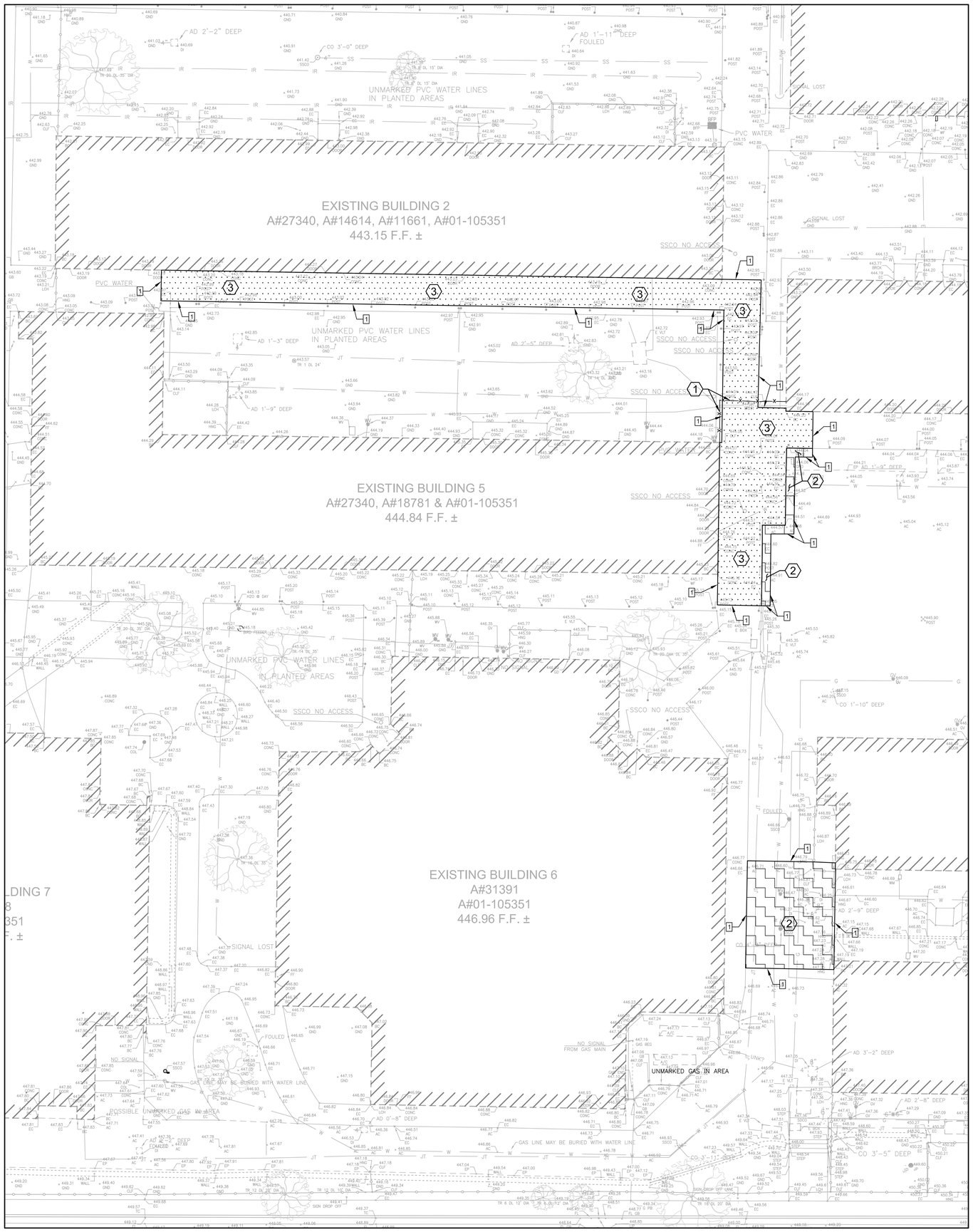
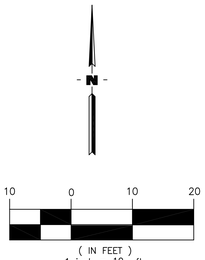
UNAUTHORIZED CHANGES & USES: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.



DEMOLITION LEGEND

KEYNOTE	DESCRIPTION	SYMBOL
1	FENCE / GATES/ FOUNDATIONS TO BE REMOVED	—x—x—x—x—x—
2	ASPHALT PAVING & AGGREGATE BASE ROCK TO RE REMOVED. REMOVE HEADER BOARD, TYP.	
3	CONCRETE TO BE REMOVED. REMOVE AGGREGATE BASE.	

KEYNOTE	DESCRIPTION
1	SAWCUTASPHALT OR REMOVE CONCRETE TO NEAREST CONTROL JOINT
2	REMOVE & REINSTALL PARKING BUMPER



NOTES:

1. THE LIMITS OF DEMOLITION SHOWN HEREON ARE TO PROVIDE THE CONTRACTOR WITH A GENERAL SCOPE OF WORK. PRECISE LIMITS OF PAVEMENT REMOVAL AND GRADING SHOULD BE TAKEN FROM THE GRADING AND DRAINAGE PLAN. THE CONTRACTOR SHOULD ALSO REFERENCE LANDSCAPE ARCHITECT PLANS, ARCHITECTURAL PLANS, AND THE CONSTRUCTION DOCUMENTS FOR A COMPLETE SCOPE OF WORK. (VERIFY ALL DEMOLITION WITH THE SCHOOL DISTRICT).

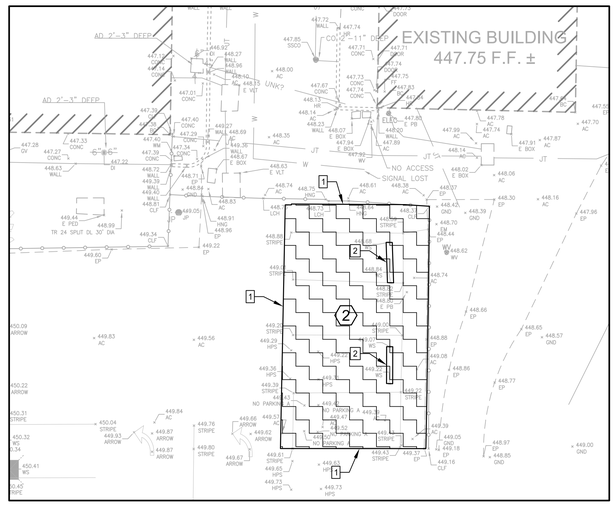
2. DEMOLITION WORK SHALL CONFORM TO CAL GREEN CODE SECTIONS 5.408.3 (CONSTRUCTION WASTE REDUCTION BY AT LEAST 50%) AND 5.408..4 (EXCAVATED SOIL AND LAND CLEARING DEBRIS), AND LOCAL CONSTRUCTION WASTE MANAGEMENT REQUIREMENTS. THE MOST STRINGENT CODE SHALL PREVAIL.

3. ALL SIGNS, POSTS, AND FOOTINGS TO BE REMOVED WITHIN THE LIMITS OF DEMOLITION UNLESS NOTED OTHERWISE.

4. REFER TO ORIGINAL DESIGN DRAWINGS, AVAILABLE FROM DISTRICT, FOR EXISTING BUILDINGS (FOOTINGS, MATERIALS, ETC.).

5. EXISTING TURF TO REMAIN. LANDSCAPE CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR IF REPLACEMENT IS REQUIRED DUE TO STAGING, CONSTRUCTION ACCESS, OR CONSTRUCTION ACTIVITY. REPAIR WITH SOD TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE. TURF AREAS FENCED DURING CONSTRUCTION SHALL BE MAINTAINED (MOWED, WATERED, AND FERTILIZED) BY CONTRACTOR.

WHERE NEW SOD IS INSTALLED, SHOVEL CUT EDGE OF EXISTING TURF VERTICAL AND STRAIGHT, AMEND SOIL AND GRADE TO RECEIVE NEW SOD FLUSH WITH EXISTING EDGES. DO NOT SCALE SOD REPAIR FROM THIS DRAWING. COORDINATE WITH GENERAL CONTRACTOR FOR EXTENT OF REPAIR REQUIRED TO RESTORE TURF DUE TO CONSTRUCTION ACTIVITY.



AGENCY APPROVAL DSA# XX-XXXXXXXXX

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PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
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No. C 68770
Exp. 09/30/25
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STATE OF CALIFORNIA

REVISIONS

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PROJECT OWNER & TITLE
MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ES MODERNIZATION INCREMENT 2

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
DEMOLITION PLAN

DRAWN BY: MPM JOB NUMBER: 23120.02

SHEET NO.
2-C1.1

DATE: JULY 23, 2024

CONSTRUCTION DOCUMENTS

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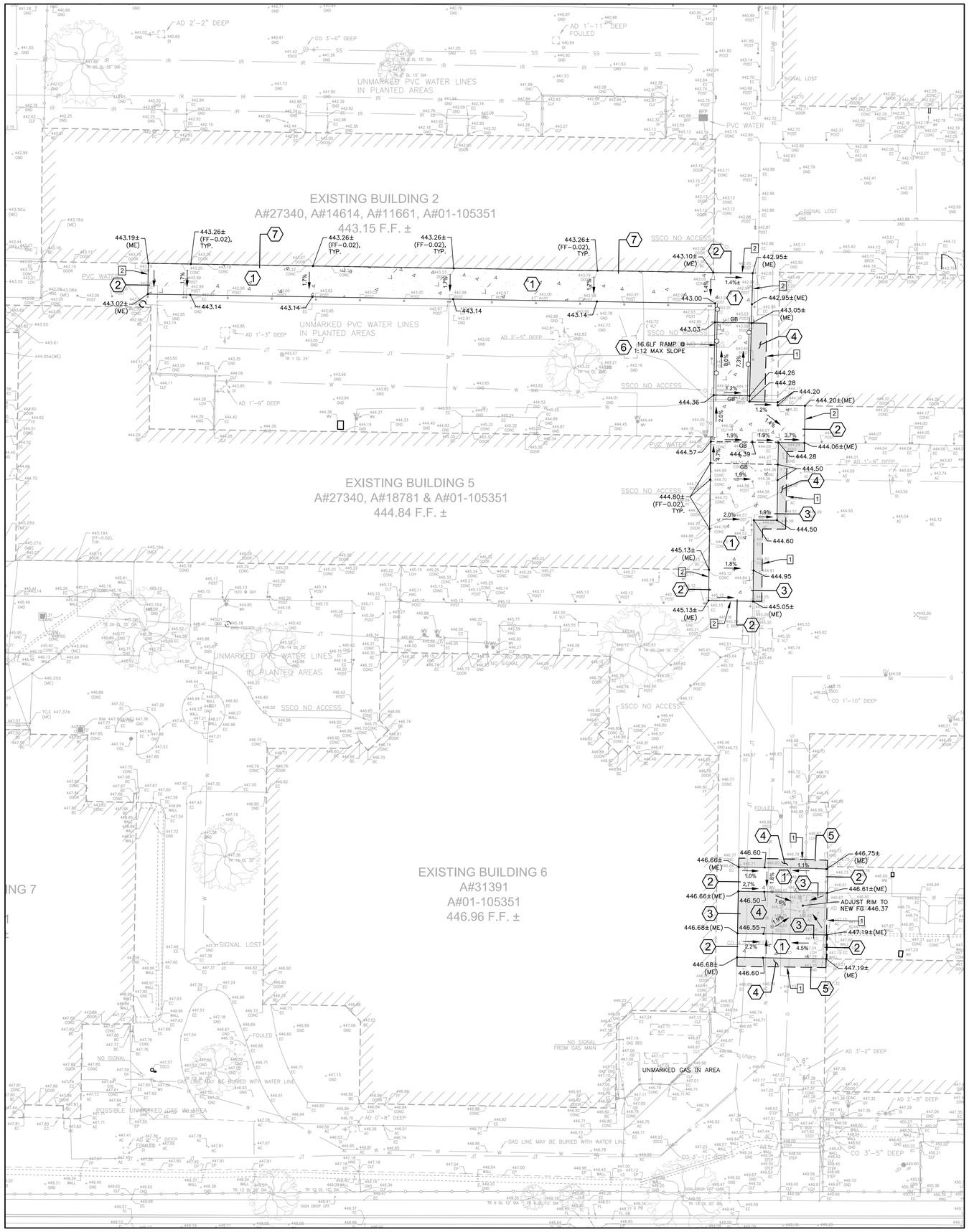
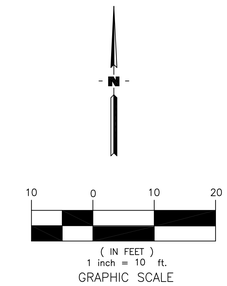


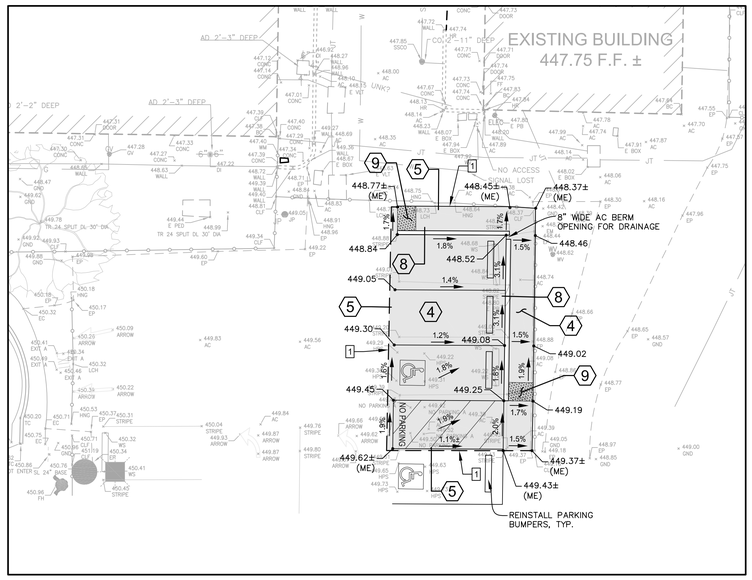


GRADING PLAN NOTES:

1. SAWCUT AND CONFORM TO (E) ASPHALT
2. CONFORM TO (E) CONCRETE AT NEAREST CONTROL JOINT

GRADING CONSTRUCTION DETAIL REFERENCES
SEE SHEET 2C5.0

1. CONCRETE PAVING SECTION PER DETAIL 1 / 2-C6.0
2. (N) CONCRETE TO (E) CONCRETE SECTION PER DETAIL 2 / 2-C6.0
3. CONCRETE TO ASPHALT PER DETAIL 3 / 2-C6.0
4. ASPHALT PAVING PER DETAIL 4 / 2-C6.0
5. (N) ASPHALT TO (E) ASPHALT PER DETAIL 5 / 2-C6.0
6. EDGE OF RAMP PER DETAIL 6 / 2-C6.0
7. SECTIONAL AT EXISTING FOOTING PER DETAIL 12 / 2S-501
8. ASPHALT BERM PER DETAIL 7 / 2-C6.0
9. TRUNCATED DOME PER DETAIL 8 / 2-C6.0



AGENCY APPROVAL DSA# XX-XXXXXXXXX

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MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ES MODERNIZATION INCREMENT 2
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
GRADING & DRAINAGE PLAN

DRAWN BY: MPM JOB NUMBER: 23120.02

SHEET NO.
2-C2.1

DATE: JULY 23, 2024

CONSTRUCTION DOCUMENTS

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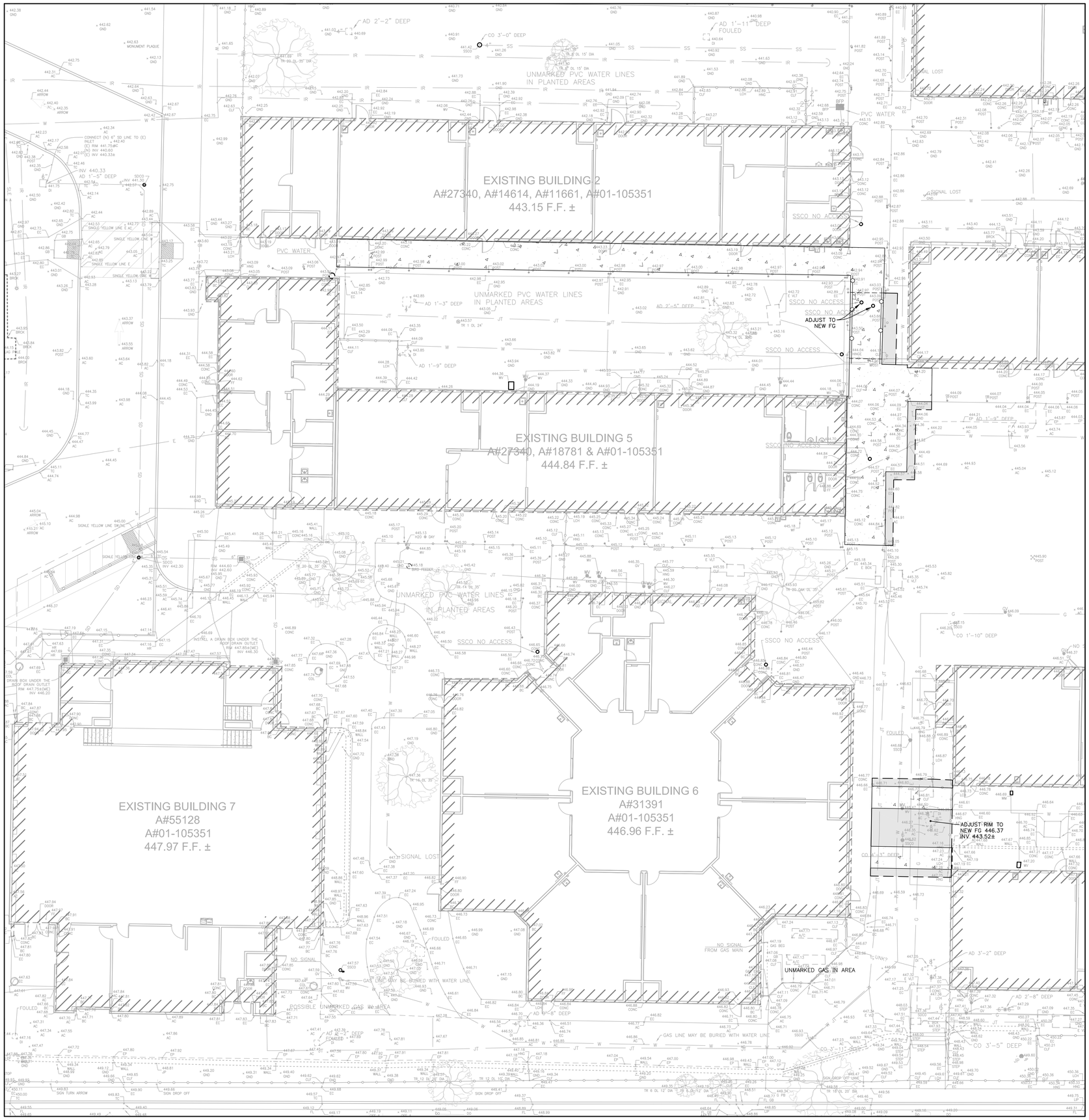
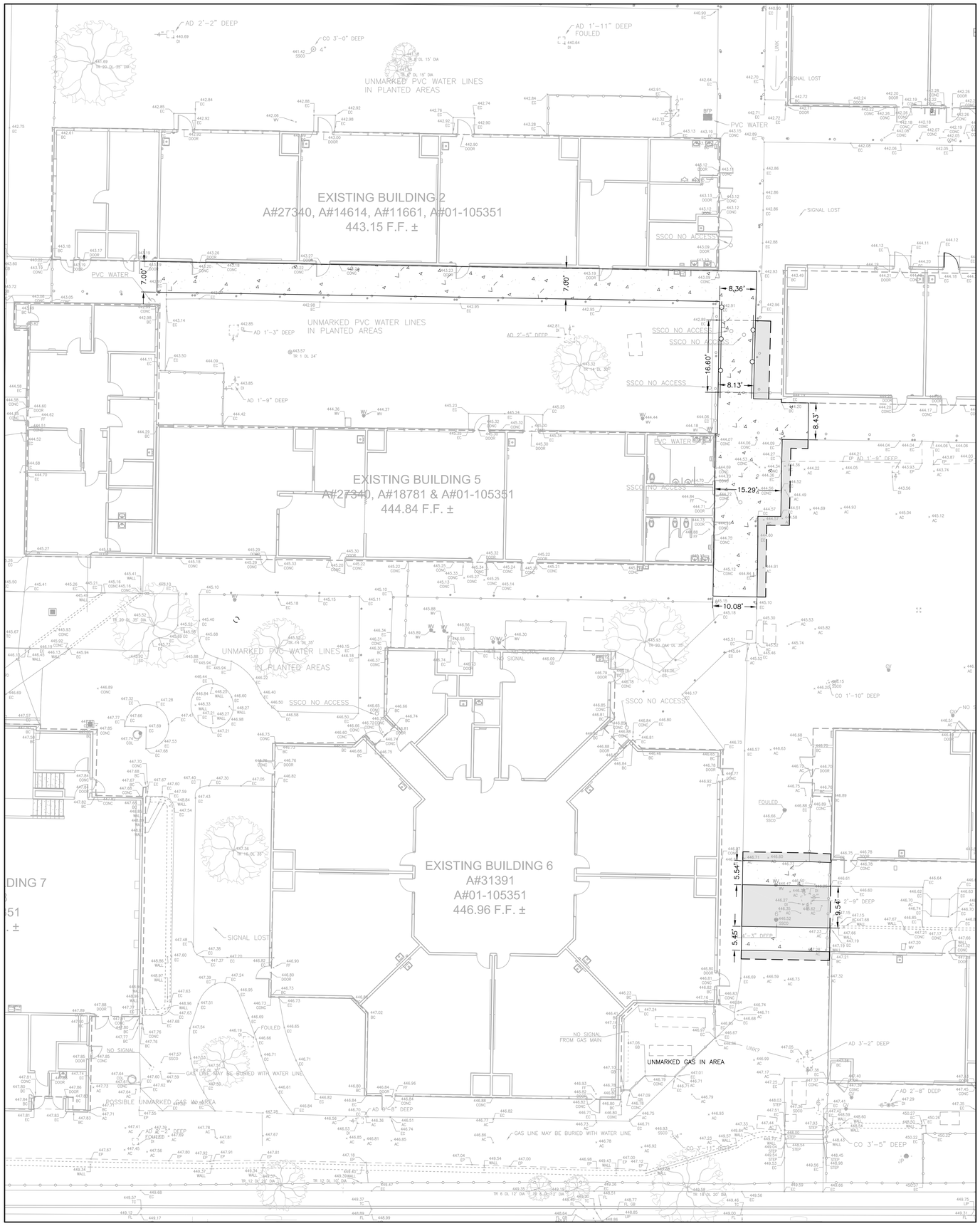
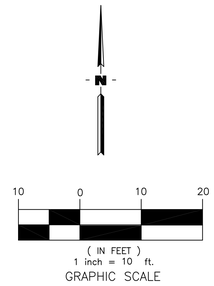

EXISTING BUILDING 2
A#27340, A#14614, A#11661, A#01-105351
443.15 F.F. ±
EXISTING BUILDING 5
A#27340, A#18781 & A#01-105351
444.84 F.F. ±
EXISTING BUILDING 6
A#31391
A#01-105351
446.96 F.F. ±
EXISTING BUILDING 7
A#55128
A#01-105351
447.97 F.F. ±
UNMARKED PVC WATER LINES IN PLANTED AREAS
PVC WATER
SSCO NO ACCESS
SIGNAL LOST
NO SIGNAL FROM GAS MAIN
UNMARKED GAS IN AREA
GAS LINE MAY BE BURIED WITH WATER LINE
POSSIBLE UNMARKED GAS IN AREA
ADJUST TO NEW FG
ADJUST RIM TO NEW FG 446.37 INV. 443.52±
AD 2'-2" DEEP
AD 1'-11" DEEP FOULED
AD 1'-3" DEEP
AD 2'-5" DEEP
AD 1'-9" DEEP
AD 3'-2" DEEP
AD 2'-8" DEEP
CO 3'-0" DEEP
CO 1'-10" DEEP
CO 4'-3" DEEP
CO 3'-5" DEEP
INSTALL A DRAIN BOX UNDER THE ROOF DRAIN OUTLET RIM 447.85±(ME) INV 446.30
CONNECT (N) 6" SD LINE TO (E) INLET (E) RIM 441.75&C (N) INV 440.60 (E) INV 440.33±
INV 440.33 AD 1'-5" DEEP
SSCO INV 441.30
SSCO INV 442.30
SSCO RIM 442.60 INV 442.60
SSCO INV 442.57
SSCO INV 446.20
SSCO RIM 447.85±(ME) INV 446.30
SSCO RIM 447.75±(ME) INV 446.20
BIRD FEEDER
SIGN DROP OFF
SIGN TURN ARROW
MONUMENT PLAQUE
SINGLE YELLOW LINE E &C
SINGLE YELLOW LINE W
SINGLE YELLOW LINE S
SINGLE YELLOW LINE 39.00'
TR 20" DI, 35' DIA
TR 15" DI, 15' DIA
TR 6" DI, 35' DIA
TR 6" DI, 24'
TR 8" DI, 12' DIA
TR 12" DI, 20' DIA
TR 18" DI, 20' DIA
TR 8" DI, 9'-2" DIA
TR 6" DI, 16' DIA
TR 8" PIB
TR 12" DI, 16' DIA
TR 16" DI, 35'
H20 @ DAY
HNG
LCH
VLT
E VLT
E BOX
FL
FL GB
FL PIB
DOOR
SIGN
STEP
WALL
BEG
END
DOOR
DOOR
DOOR





AGENCY APPROVAL DSA# XX-XXXXXXXXX

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PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER MATTHEW PAUL MARTIN No. C 68770 Exp. 09/30/25 CIVIL STATE OF CALIFORNIA

REVISIONS

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PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ES MODERNIZATION INCREMENT 2

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

HORIZONTAL CONTROL PLAN

DRAWN BY: MPM JOB NUMBER: 23120.02

SHEET NO.

2-C4.1

DATE: JULY 23, 2024

CONSTRUCTION DOCUMENTS

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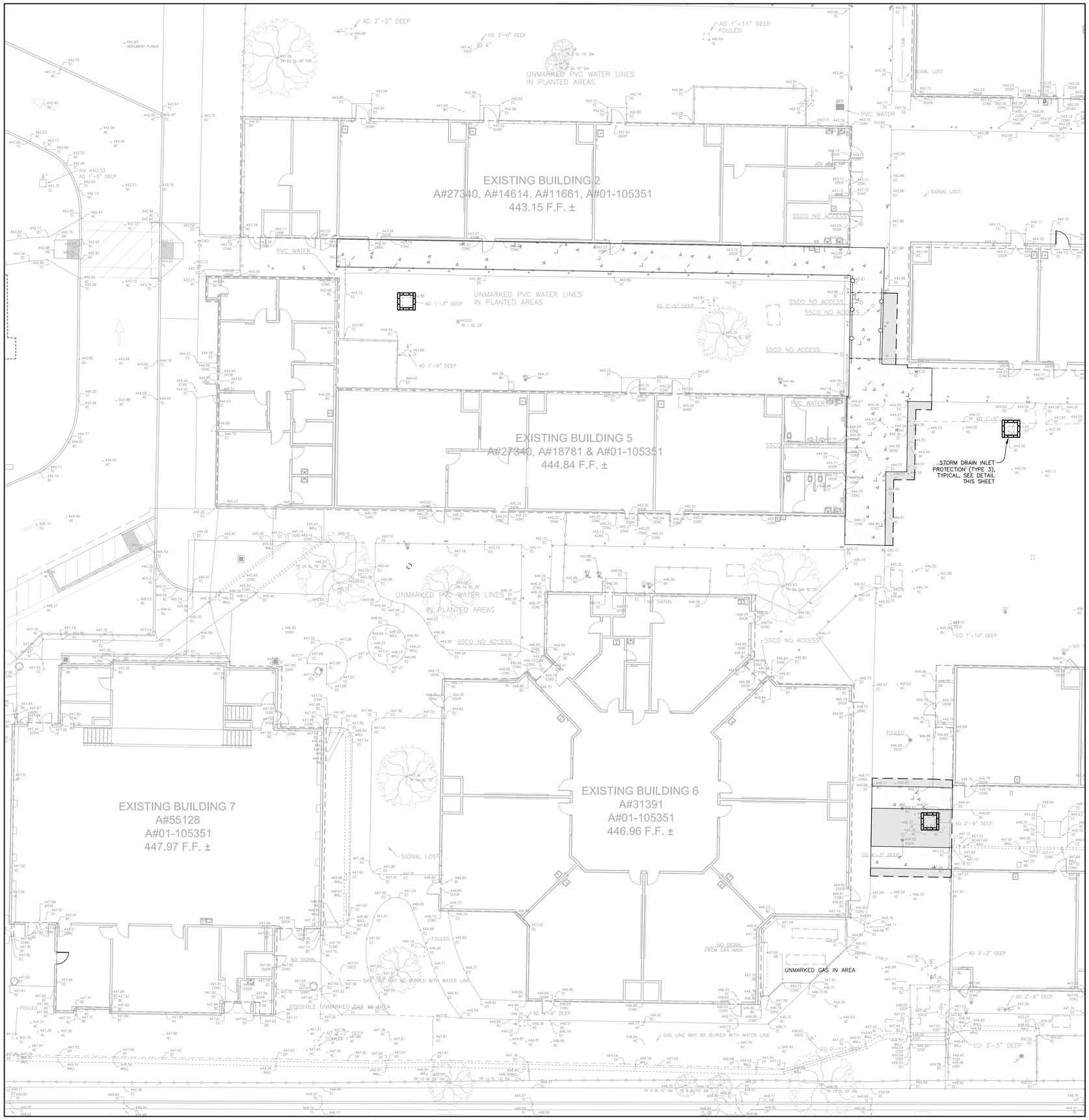
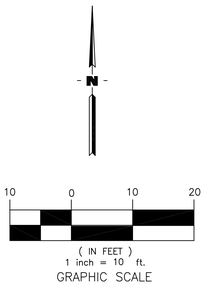
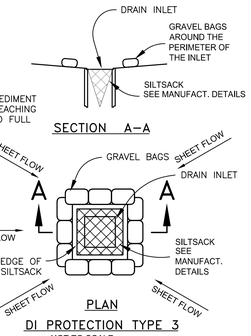




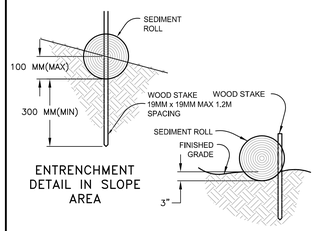


DI PROTECTION TYPE 3

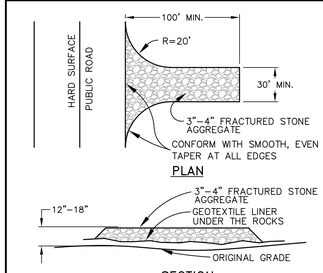
NOT TO SCALE

NOTES:
1. FOR USE IN PAVED AREAS.
2. SHAPE BASIN SO THAT LONGEST INFLOW AREA FACES LONGEST LENGTH OF TRAP.
3. FOR CONCENTRATED FLOWS, SHAPE BASIN IN 2:1 RATIO WITH LENGTH ORIENTED TOWARDS DIRECTION OF FLOW.

STORM DRAIN INLET PROTECTION - TYPE 3



FIBER ROLLS



TEMP.CONSTRUCTION EXIT

EROSION CONTROL NOTES:

1.) EROSION CONTROL FACILITIES SHALL BE MAINTAINED IN GOOD CONDITION TO PREVENT SILTATION FROM ENTERING INLETS.

2.) DUST GENERATED ON THE PROJECT SITE SHALL BE CONTROLLED BY SELECTIVE WATERING OF EXPOSED AREAS, ESPECIALLY DURING CLEARING AND GRADING OPERATIONS.

3.) PAVING SHALL BE COMPLETED AS SOON AS IS PRACTICABLE TO REDUCE THE TIME THAT BARE SURFACES AND SOILS ARE EXPOSED IN AREAS WHERE CONSTRUCTION IS DELAYED FOR AN EXTENDED PERIOD OF TIME, THE GROUND SHALL BE REVEGETATED TO MINIMIZE THE GENERATION OF DUST.

4.) STREET SWEEPING SHALL BE CONDUCTED TO CONTROL DUST AND DIRT TRACKED FROM THE PROJECT SITE ONTO ADJACENT STREETS.

AGENCY APPROVAL DSA# XX-XXXXXXXXX

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1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ES MODERNIZATION INCREMENT 2

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
EROSION CONTROL PLAN

DRAWN BY: MPM JOB NUMBER: 23120.02

SHEET NO.
2-C5.1

DATE: JULY 23, 2024

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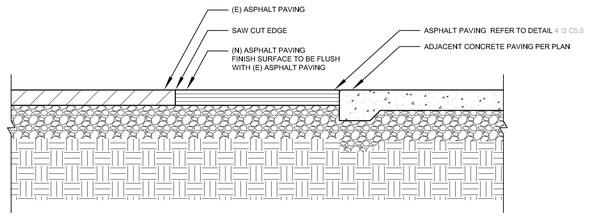
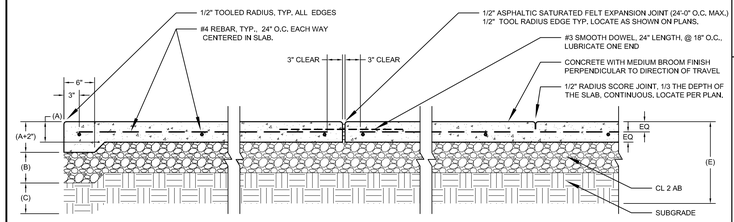


NOTES:
1. REFER TO GEOTECHNICAL REPORT.

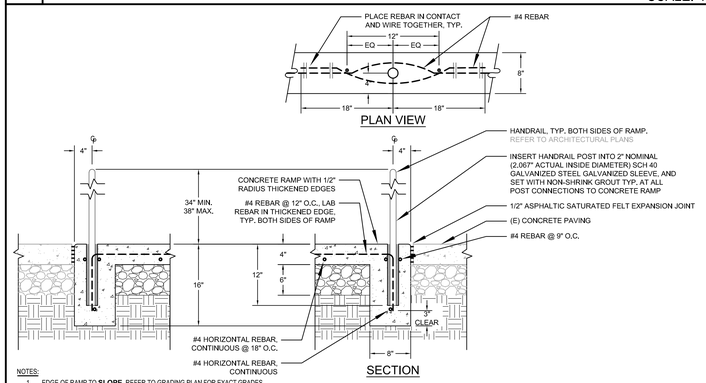
5 (N) ASPHALT TO (E) ASPHALT — SCALE: NTS

SECTION		(A) CONCRETE SLAB THICKNESS	(B) CL 2 BASE / COMPACTION	(C) CHEMICAL SUBGRADE TREATMENT	(D) UPPER 8" SUBGRADE COMPACTION	TOTAL THICKNESS	(E) ANY REQUIRED FILL BELOW UPPER 8" SUBGRADE COMPACTION
1A CONCRETE PAVING - PEDESTRIAN	UNTREATED	4"	6" / 95% RC	-	95% RC	10"	90% RC



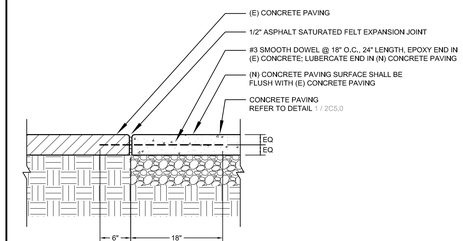
NOTES:
1. SCORE JOINTS SHALL BE PLACED A MAXIMUM OF 8'-0" O.C. REFER TO PLAN FOR EXACT LOCATIONS.
2. SCORE JOINTS TO BE 1/8" WIDE MAXIMUM, 1/2" RADIUS BOTH SIDES. SCORE DEPTH SHALL BE 1/3 OF CONCRETE PAVING DEPTH.
3. ADJACENT GRADE TO BE 1-1/2" BELOW CONCRETE IN PLANTING AND 1" BELOW CONCRETE IN SODDED TURF AND 1/2" BELOW CONCRETE IN SEEDED TURF.
4. REFER TO SPECIFICATION SECTION 32 13 13 - CONCRETE WORK FOR CONCRETE MIX DESIGN CRITERIA

1 CONCRETE PAVING — SCALE: NTS



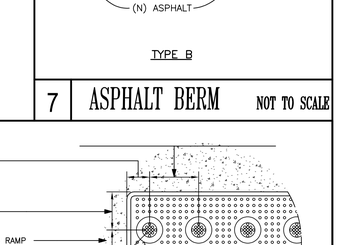
NOTES:
1. EDGE OF RAMP TO **SLOPE**, REFER TO GRADING PLAN FOR EXACT GRADES.
2. INSTALL VERTICAL ASPHALTIC SATURATED EXPANSION JOINTS EVENLY SPACED @ 20'-0" O.C. MAX. PROVIDE 1/2" RADIUS EDGES AT EXPANSION JOINTS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR HANDRAILS.

6 EDGE OF RAMP — SCALE: NTS



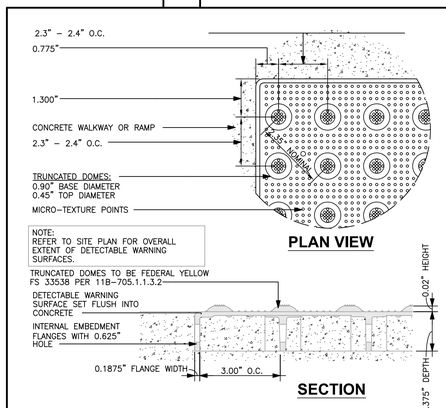
NOTES:
1. REFER TO SPECIFICATION SECTION 32 13 13 - CONCRETE PAVING

2 (N) CONCRETE TO (E) CONCRETE — SCALE: NTS

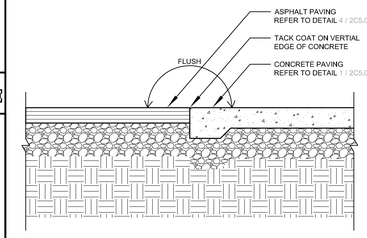


TYPE B

7 ASPHALT BERM — NOT TO SCALE



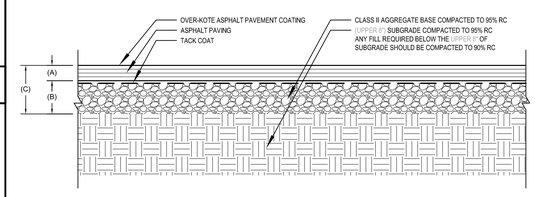
8 TRUNCATED DOME — NOT TO SCALE



NOTES:
1. CONCRETE AND ASPHALT SURFACES SHALL BE FLUSH.
2. ASPHALT & OVER-KOTE SURFACING SHALL BE REMOVED FROM CONCRETE SURFACE PRIOR TO COMPETION.

3 CONCRETE TO ASPHALT — SCALE: NTS

SECTION	TRAFFIC CONDITION	(A) ASPHALTIC CONCRETE (INCHES)	(B) CLASS 2 AGGREGATE BASE	(C) TOTAL THICKNESS
4	PEDESTRIAN TRAFFIC	3"	6"	9"



NOTES:
1. REFER TO SPECIFICATION SECTION 32 12 16 - ASPHALT PAVING
2. OVER-KOTE ASPHALT PAVEMENT COATING AVAILABLE THROUGH REED AND GRAHAM. INSTALL PER MANUFACTURES RECOMMENDATIONS.

4 ASPHALT PAVING — SCALE: NTS

AGENCY APPROVAL DSA# XX-XXXXXXXXX

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PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
MATTHEW PAUL MARKUS
No. C 68770
Exp. 09/30/25
CIVIL
STATE OF CALIFORNIA

REVISIONS

1		

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE
MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ES MODERNIZATION INCREMENT 2
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
DETAILS

DRAWN BY: MPM JOB NUMBER: 23120.02

SHEET NO.
2-C6.0

DATE: JULY 23, 2024

CONSTRUCTION DOCUMENTS

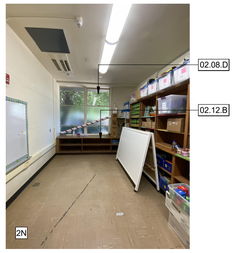
UNAUTHORIZED CHANGES & USES: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

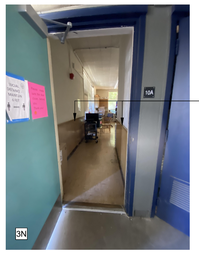


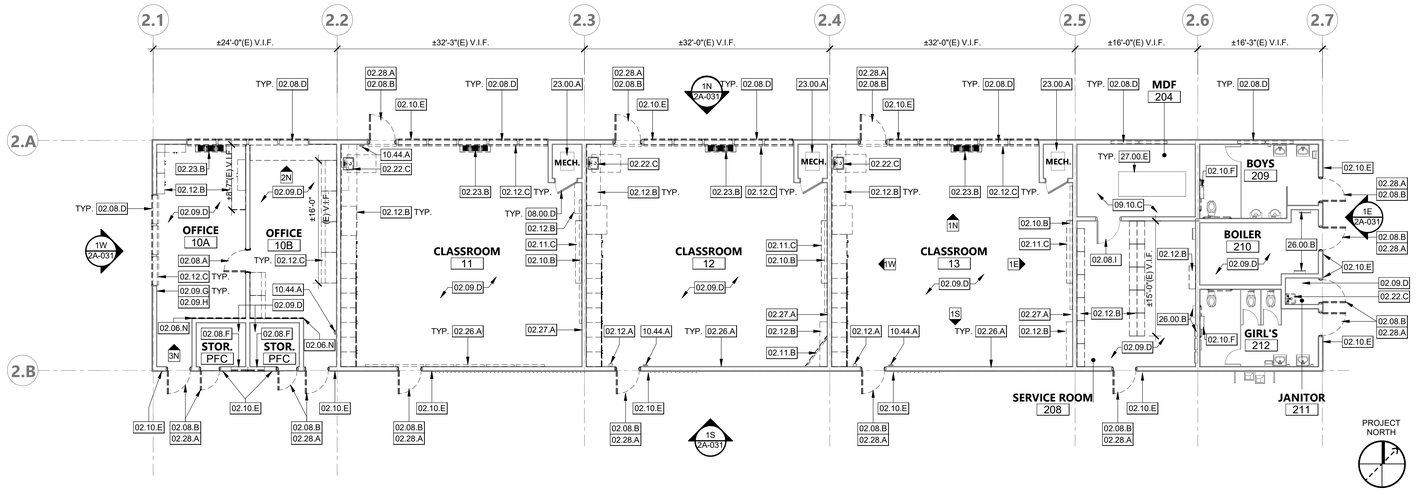








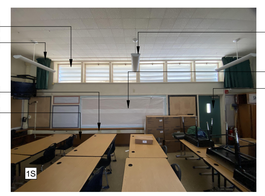




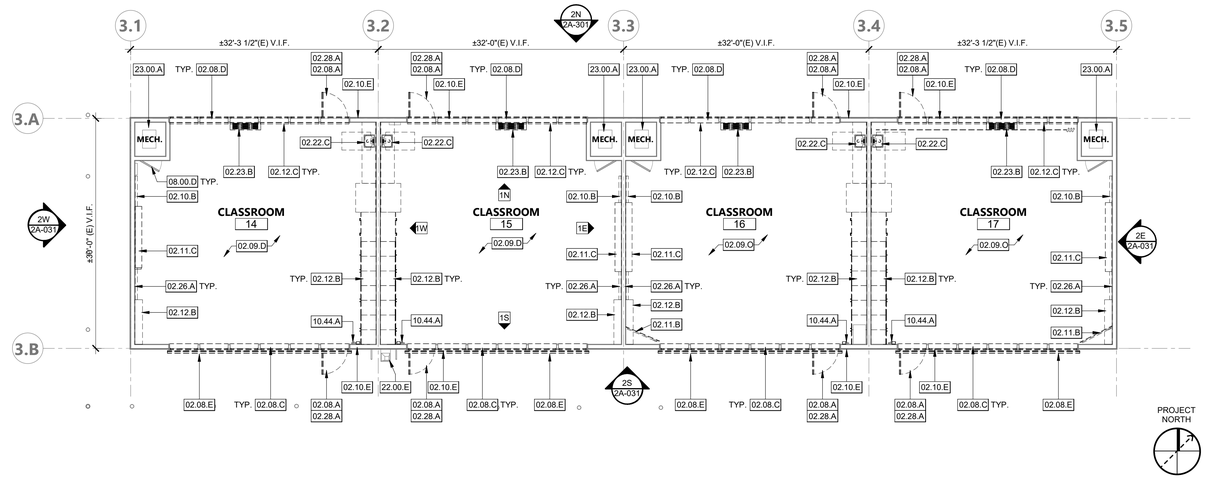
BUILDING 2 DEMOLITION FLOOR PLAN | 1/8" = 1'-0" | 1











BUILDING 3 DEMOLITION FLOOR PLAN | 1/8" = 1'-0" | 2

KEYNOTES

02.06.N	(E) TACKABLE WALL PANEL AND TRIM TO BE DEMOLISHED, PATCH, REPAIR AND PAINT
02.08.A	(E) DOOR TO BE DEMOLISHED, EXISTING HM FRAME TO REMAIN. SALVAGE PANIC HARDWARE AND RETURN TO DISTRICT. PREPARE FOR NEW DOOR
02.08.B	(E) DOOR TO BE DEMOLISHED, EXISTING WOOD FRAME TO REMAIN. SALVAGE PANIC HARDWARE AND RETURN TO DISTRICT. PREPARE FOR NEW DOOR, PATCH AND REPAIR LEVER AND HINGES, PAINT.
02.08.C	(E) CLERESTORY WINDOW AND FRAME TO BE DEMOLISHED, PROTECT (E) OPENING AND PREPARE FOR NEW WINDOW
02.08.D	(E) WINDOW AND FRAME TO BE DEMOLISHED, PROTECT (E) OPENING AND PREPARE FOR NEW WINDOW
02.08.E	(E) EXTERIOR LOUVERS TO BE DEMOLISHED. PATCH, REPAIR, AND PREPARE FOR NEW PAINT
02.08.F	(E) WINDOW AND WINDOW SCREEN TO BE DEMOLISHED
02.08.I	(E) DOOR HARDWARE TO BE REMOVED AND REPLACED
02.09.D	(E) VINYL COMPOSITION TILE AND WALL BASE TO BE DEMOLISHED, PREPARE SUBSTRATE FOR NEW FLOORING
02.09.E	(E) TACKABLE WALL PANEL AND WOOD TRIM TO BE DEMOLISHED
02.09.F	(E) WOOD WALL PANEL AND TRIM TO BE DEMOLISHED
02.09.G	(E) WALL TRIM TO BE REMOVED, PATCH AND REPAIR
02.09.H	(E) WALL PANEL TO BE REMOVED, PATCH AND REPAIR
02.10.B	(E) WHITEBOARDS, TACKBOARDS, AND OTHER CLASSROOM ACCESSORIES TO BE DEMOLISHED, PATCH AND REPAIR
02.10.E	(E) DOOR ROOM ID SIGNAGE TO BE DEMOLISHED, PREPARE FOR NEW SIGN
02.10.F	(E) TOILET PAPER DISPENSER TO BE REMOVED AND RETURNED TO DISTRICT, PATCH AND REPAIR WITH OPCI TILES TO MATCH (E) FINISH
02.11.B	(E) WALL MOUNTED TV AND TV MOUNT TO BE REMOVED, SALVAGED & RETURNED TO THE DISTRICT. PATCH AND REPAIR WALL
02.11.C	(E) PROJECTOR & PROJECTOR SCREEN TO BE REMOVED AND RETURNED TO THE DISTRICT, PATCH AND REPAIR
02.12.A	(E) WALL MOUNTED HAND SANITIZER DISPENSER TO BE REMOVED, SLAVAGED, AND REINSTALLED.
02.12.B	(E) CABINETS, COUNTERTOPS, BACKSPLASH, BOOKSHELVES, AND RELATED ACCESSORIES TO BE DEMOLISHED
02.12.C	(E) WINDOW COVERINGS TO BE DEMOLISHED
02.12.D	(E) WINDOW CURTAINS AND TRACK TO BE DEMOLISHED
02.22.B	(E) SINK TO BE DEMOLISHED AND PREPARE TO RECEIVE NEW SINK AND CABINET, S.P.D.
02.22.C	(E) SINK AND ACCESSORIES TO BE DEMOLISHED, S.P.D.
02.23.B	(E) ABANDONED FURNACE TO BE DEMOLISHED, PATCH AND REPAIR. S.M.D.
02.26.A	(E) WIRE-MOLDING TO BE REMOVED, S.T.D.
02.26.C	(E) LIGHT FIXTURES TO BE DEMOLISHED. PATCH AND PREPARE FOR NEW LIGHT FIXTURES. S.E.D.
02.27.A	(E) CLOCK TO BE REMOVED, PATCH AND PREPARE FOR PAINT S.T.D.
02.28.A	REMOVE DOOR THRESHOLDS AS NEEDED FOR REMOVAL OF (E) FLOORING. SALVAGE AND REINSTALL
08.00.D	(E) MECHANICAL CLOSED ACCESS PANEL AND LOUVER, TO BE PAINTED
09.10.C	PROTECT (E) FLOORING IN PLACE
10.44.A	(E) FIRE EXTINGUISHER TO BE REMOVED AND REINSTALLED
22.00.E	(E) NON-ACCESSIBLE DRINKING FOUNTAIN TO REMAIN, PROTECT IN PLACE
23.00.A	(E) AIR HANDLING UNIT TO REMAIN, S.M.D.
26.00.B	(E) ELECTRICAL PANEL, PROTECT IN PLACE, S.E.D.
26.51.B	(E) LIGHT FIXTURE TO REMAIN, GC MAY REMOVE AND REINSTALL FOR WORK AT NEW CEILING
27.00.E	(E) MDF EQUIPMENT TO REMAIN, PROTECT IN PLACE

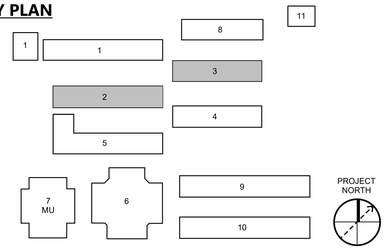
LEGEND - DEMO GENERAL NOTES

1. IN ACCORDANCE WITH PERTINENT ITEMS OF THESE NOTES AND THOSE ITEMS SO INDICATED ON THE DRAWINGS "CAREFULLY" DEMOLISH AND REMOVE FROM THE JOB SITE THOSE ITEMS SCHEDULED TO BE SO DEMOLISHED AND REMOVED.
2. SEE SPECIFICATION SECTION 02 41 19 FOR MORE DEMOLITION NOTES, REQUIREMENTS, AND PROCEDURES.
3. **REFER TO MECHANICAL, PLUMBING, ELECTRICAL, FIRE ALARM AND TECHNOLOGY DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.**
4. KEYNOTED ELEMENTS SCHEDULED FOR DEMOLITION ARE NOTED FOR CLARIFICATION ONLY. SEE DEMOLITION PLAN LEGEND FOR ADDITIONAL DEMOLITION REQUIREMENTS.
   USE ADEQUATE NUMBERS OF SKILLED WORKMAN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.
5. SURFACE CONDITIONS: EXAMINE THE AREAS AND CONDITIONS UNDER WHICH WORK WILL BE PERFORMED. CORRECT CONDITIONS DETRIMENTAL TO TIMELY AND PROPER COMPLETION OF THE WORK. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS ARE CORRECTED.
6. DEMOLITION: BY CAREFUL STUDY OF THE DRAWINGS, DETERMINE THE LOCATION AND EXTENT OF SELECTIVE DEMOLITION REQUIRED.
7. VISIT THE SITE AND VERIFY THE EXTENT AND LOCATION OF SELECTIVE DEMOLITION REQUIRED.
8. CAREFULLY IDENTIFY LIMITS OF SELECTIVE DEMOLITION.
9. MARK INTERFACE SURFACES AS REQUIRED TO ENABLE WORKMAN ALSO TO IDENTIFY ITEMS TO BE REMOVED AND ITEMS TO BE LEFT IN PLACE INTACT.
10. PREPARE AND FOLLOW AN ORGANIZED PLAN FOR DEMOLITION AND REMOVAL OF ITEMS.
11. COMPLETELY REMOVE ITEMS SCHEDULED TO BE SO DEMOLISHED AND REMOVED, LEAVING SURFACES CLEAN, SOLID, AND READY TO RECEIVE NEW MATERIALS SPECIFIED ELSEWHERE.
12. SALVAGE: AFTER CAREFUL REVIEW OF THE DRAWINGS SHOWING PROPOSED NEW CONSTRUCTION, IDENTIFY THOSE ITEMS THAT ARE GOOD CANDIDATES FOR RE-USE AND CAREFULLY REMOVE AND STOCKPILE THEM ON SITE IN A PROTECTED AREA.
13. DEMOLISHED MATERIALS SHALL BE CONSIDERED TO BE PROPERTY OF THE CONTRACTOR AND SHALL BE COMPLETELY REMOVED FROM THE JOB SITE, UNLESS OTHERWISE DIRECTED BY THE DISTRICT.
14. REPLACEMENTS: IN THE EVENT OF DEMOLITION OF ITEMS NOT SO SCHEDULED TO BE DEMOLISHED, PROMPTLY REPLACE SUCH ITEMS TO THE APPROVAL OF THE ARCHITECT AND AT NO ADDITIONAL COST TO THE OWNER.
15. SEE ASBESTOS & LEAD IN PAINT SURVEY REPORT FOR MT DIABLO ELEMENTARY SHOOL PROVIDED BY ENVIRO-S-T.A.R. FOR REQUIRED ABATEMENT, BASED ON THE REPORT PROVIDED, MATERIALS IDENTIFIED FOR REMOVAL WILL BE REMOVED BY AN ABATEMENT CONTRACTOR PROPERLY LICENSED AND REGISTERED TO DO ASBESTOS & LEAD ABATEMENT
16. TERMINATE ALL ELECTRICAL CONDUITS CONTAINED IN WALLS TO BE DEMOLISHED PER N.E.C. 2023. CONDUITS FEEDING DEMOLISHED AREAS, BUT CONTAINED WITHIN CONSTRUCTION TO REMAIN MAY BE ABANDONED IN PLACE.
17. ALL ITEMS INDICATED FOR DEMOLITION ON THIS SHEET ARE CONSIDERED TO BE NON-STRUCTURAL. DURING DEMOLITION, EVIDENCE MAY BECOME APPARENT OF A LOAD-BEARING ITEM WHICH IS SHOWN TO BE DEMOLISHED. CONTRACTOR SHALL NOT REMOVE ANY ITEMS WHICH SHOW EVIDENCE OF CARRYING ROOF LOADS, CEILING JOIST LOADS, NOR WALLS WHICH ARE SHEATHED WITH PLYWOOD WITHOUT PRIOR APPROVAL OF THE ARCHITECT EVEN IF SUCH ITEMS ARE SHOWN TO BE DEMOLISHED HEREIN.
18. SEE PLASTER DEMOLITION & REPAIR NOTES ON 2A-911 PRIOR TO DEMOLITION OF PLASTER ASSEMBLIES

LEGEND - DEMOLITION

- (E) 2X WOOD FRAMED WALL TO BE DEMOLISHED
- (E) DOOR TO BE DEMOLISHED
- (E) DOOR & FRAME TO REMAIN AND BE PAINTED
- (E) WINDOW & FRAME TO BE DEMOLISHED
- (E) 2X WOOD FRAMED WALL TO REMAIN
- (E) 1 HOUR RATED WOOD FRAMED WALL TO REMAIN
- REFERENCE PHOTO KEY

KEY PLAN



AGENCY APPROVAL DSA# 01-121407

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PROFESSIONAL STAMP



REVISIONS

NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 2 & 3 - DEMOLITION FLOOR PLAN

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

SHEET NO.

2A-021

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

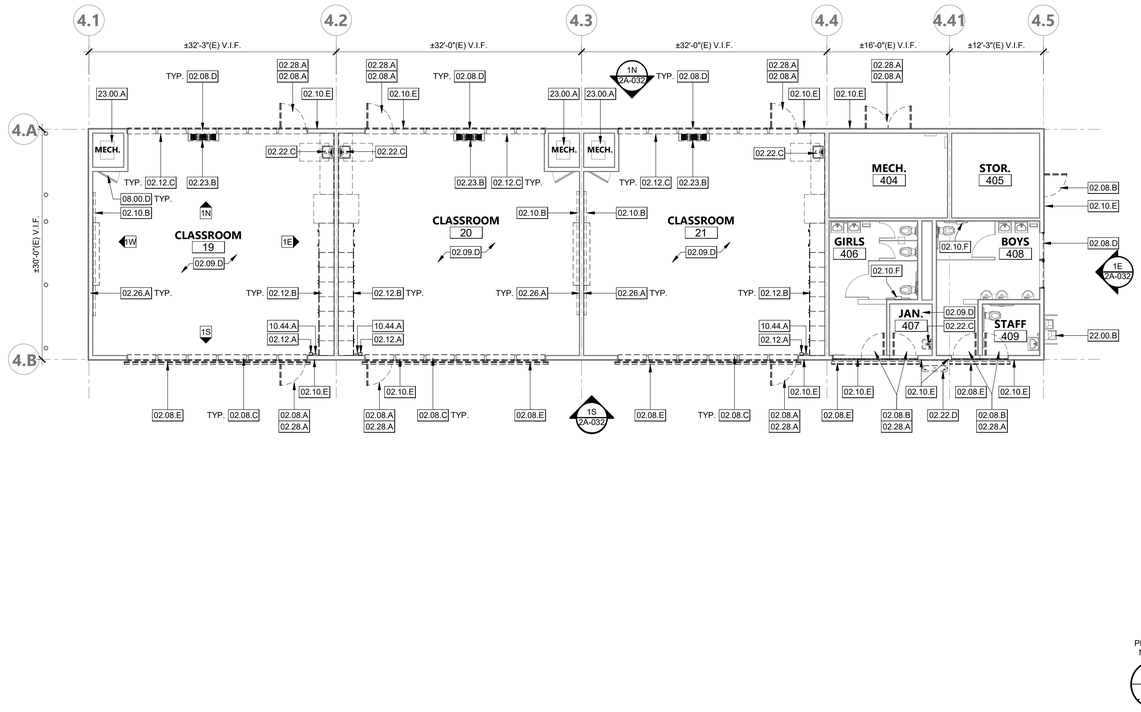
DATE PLOTTED: 10/17/2024 9:09:35 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt











PROJECT NORTH

BUILDING 4 DEMOLITION FLOOR PLAN

1/8" = 1'-0" | 1

KEYNOTES

02.08.A	(E) DOOR TO BE DEMOLISHED, EXISTING HM FRAME TO REMAIN. SALVAGE PANIC HARDWARE AND RETURN TO DISTRICT. PREPARE FOR NEW DOOR
02.08.B	(E) DOOR TO BE DEMOLISHED, EXISTING WOOD FRAME TO REMAIN. SALVAGE PANIC HARDWARE AND RETURN TO DISTRICT. PREPARE FOR NEW DOOR. PATCH AND REPAIR LEVER AND HINGES, PAINT.
02.08.C	(E) CLERESTORY WINDOW AND FRAME TO BE DEMOLISHED, PROTECT (E) OPENING AND PREPARE FOR NEW WINDOW
02.08.D	(E) WINDOW AND FRAME TO BE DEMOLISHED, PROTECT (E) OPENING AND PREPARE FOR NEW WINDOW
02.08.E	(E) EXTERIOR LOUVERS TO BE DEMOLISHED. PATCH, REPAIR, AND PREPARE FOR NEW PAINT
02.09.D	(E) VINYL COMPOSITION TILE AND WALL BASE TO BE DEMOLISHED, PREPARE SUBSTRATE FOR NEW FLOORING
02.09.E	(E) TACKABLE WALL PANEL AND WOOD TRIM TO BE DEMOLISHED
02.09.F	(E) WOOD WALL PANEL AND TRIM TO BE DEMOLISHED
02.10.B	(E) WHITEBOARDS, TACKBOARDS, AND OTHER CLASSROOM ACCESSORIES TO BE DEMOLISHED, PATCH AND REPAIR
02.10.E	(E) DOOR ROOM ID SIGNAGE TO BE DEMOLISHED, PREPARE FOR NEW SIGN
02.10.F	(E) TOILET PAPER DISPENSER TO BE REMOVED AND RETURNED TO DISTRICT, PATCH AND REPAIR WITH OPCI TILES TO MATCH (E) FINISH
02.11.B	(E) WALL MOUNTED TV AND TV MOUNT TO BE REMOVED, SALVAGED & RETURNED TO THE DISTRICT. PATCH AND REPAIR WALL
02.11.C	(E) PROJECTOR & PROJECTOR SCREEN TO BE REMOVED AND RETURNED TO THE DISTRICT, PATCH AND REPAIR.
02.12.A	(E) WALL MOUNTED HAND SANITIZER DISPENSER TO BE REMOVED, SLAVAGED, AND REINSTALLED.
02.12.B	(E) CABINETS, COUNTERTOPS, BACKSPLASH, BOOKSHELVES, AND RELATED ACCESSORIES TO BE DEMOLISHED
02.12.C	(E) WINDOW COVERINGS TO BE DEMOLISHED
02.12.D	(E) WINDOW CURTAINS AND TRACK TO BE DEMOLISHED
02.22.B	(E) SINK TO BE DEMOLISHED AND PREPARE TO RECEIVE NEW SINK AND CABINET, S.P.D.
02.22.C	(E) SINK AND ACCESSORIES TO BE DEMOLISHED, S.P.D.
02.22.D	(E) DRINKING FOUNTAIN TO BE DEMOLISHED, S.P.D.
02.23.B	(E) ABANDONED FURNACE TO BE DEMOLISHED, PATCH AND REPAIR. S.M.D.
02.26.A	(E) WIRE-MOLDING TO BE REMOVED, S.T.D.
02.27.A	(E) CLOCK TO BE REMOVED, PATCH AND PREPARE FOR PAINT S.T.D.
02.28.A	REMOVE DOOR THRESHOLDS AS NEEDED FOR REMOVAL OF (E) FLOORING. SALVAGE AND REINSTALL
08.00.D	(E) MECHANICAL CLOSED ACCESS PANEL AND LOUVER, TO BE PAINTED
10.44.A	(E) FIRE EXTINGUISHER TO BE REMOVED AND REINSTALLED
22.00.B	(E) HI-LOW DRINKING FOUNTAIN TO REMAIN, PROTECT IN PLACE
23.00.A	(E) AIR HANDLING UNIT TO REMAIN, S.M.D.
26.51.B	(E) LIGHT FIXTURE TO REMAIN, GC MAY REMOVE AND REINSTALL FOR WORK AT NEW CEILING

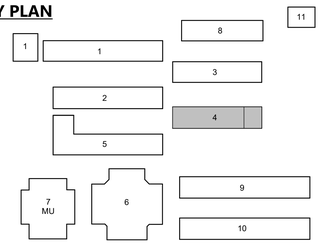
LEGEND - DEMO GENERAL NOTES

1. IN ACCORDANCE WITH PERTINENT ITEMS OF THESE NOTES AND THOSE ITEMS SO INDICATED ON THE DRAWINGS "CAREFULLY" DEMOLISH AND REMOVE FROM THE JOB SITE THOSE ITEMS SCHEDULED TO BE SO DEMOLISHED AND REMOVED.
2. SEE SPECIFICATION SECTION 02 41 19 FOR MORE DEMOLITION NOTES, REQUIREMENTS, AND PROCEDURES.
3. **REFER TO MECHANICAL, PLUMBING, ELECTRICAL, FIRE ALARM AND TECHNOLOGY DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.**
4. KEYNOTED ELEMENTS SCHEDULED FOR DEMOLITION ARE NOTED FOR CLARIFICATION ONLY. SEE DEMOLITION PLAN LEGEND FOR ADDITIONAL DEMOLITION REQUIREMENTS. USE ADEQUATE NUMBERS OF SKILLED WORKMAN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.
5. SURFACE CONDITIONS: EXAMINE THE AREAS AND CONDITIONS UNDER WHICH WORK WILL BE PERFORMED. CORRECT CONDITIONS DETRIMENTAL TO TIMELY AND PROPER COMPLETION OF THE WORK. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS ARE CORRECTED.
6. DEMOLITION: BY CAREFUL STUDY OF THE DRAWINGS, DETERMINE THE LOCATION AND EXTENT OF SELECTIVE DEMOLITION REQUIRED.
7. VISIT THE SITE AND VERIFY THE EXTENT AND LOCATION OF SELECTIVE DEMOLITION REQUIRED.
8. CAREFULLY IDENTIFY LIMITS OF SELECTIVE DEMOLITION.
9. MARK INTERFACE SURFACES AS REQUIRED TO ENABLE WORKMAN ALSO TO IDENTIFY ITEMS TO BE REMOVED AND ITEMS TO BE LEFT IN PLACE INTACT.
10. PREPARE AND FOLLOW AN ORGANIZED PLAN FOR DEMOLITION AND REMOVAL OF ITEMS.
11. COMPLETELY REMOVE ITEMS SCHEDULED TO BE SO DEMOLISHED AND REMOVED, LEAVING SURFACES CLEAN, SOLID, AND READY TO RECEIVE NEW MATERIALS SPECIFIED ELSEWHERE.
12. SALVAGE: AFTER CAREFUL REVIEW OF THE DRAWINGS SHOWING PROPOSED NEW CONSTRUCTION, IDENTIFY THOSE ITEMS THAT ARE GOOD CANDIDATES FOR RE-USE AND CAREFULLY REMOVE AND STOCKPILE THEM ON SITE IN A PROTECTED AREA.
13. DEMOLISHED MATERIALS SHALL BE CONSIDERED TO BE PROPERTY OF THE CONTRACTOR AND SHALL BE COMPLETELY REMOVED FROM THE JOB SITE, UNLESS OTHERWISE DIRECTED BY THE DISTRICT.
14. REPLACEMENTS: IN THE EVENT OF DEMOLITION OF ITEMS NOT SO SCHEDULED TO BE DEMOLISHED, PROMPTLY REPLACE SUCH ITEMS TO THE APPROVAL OF THE ARCHITECT AND AT NO ADDITIONAL COST TO THE OWNER.
15. SEE ASBESTOS & LEAD IN PAINT SURVEY REPORT FOR MT DIABLO ELEMENTARY SHOOL PROVIDED BY ENVIRO-S.T.A.R. FOR REQUIRED ABATEMENT. BASED ON THE REPORT PROVIDED, MATERIALS IDENTIFIED FOR REMOVAL WILL BE REMOVED BY AN ABATEMENT CONTRACTOR PROPERLY LICENSED AND REGISTERED TO DO ASBESTOS & LEAD ABATEMENT
16. TERMINATE ALL ELECTRICAL CONDUITS CONTAINED IN WALLS TO BE DEMOLISHED PER N.E.C. 2023. CONDUITS FEEDING DEMOLISHED AREAS, BUT CONTAINED WITHIN CONSTRUCTION TO REMAIN MAY BE ABANDONED IN PLACE.
17. ALL ITEMS INDICATED FOR DEMOLITION ON THIS SHEET ARE CONSIDERED TO BE NON-STRUCTURAL. DURING DEMOLITION, EVIDENCE MAY BECOME APPARENT OF A LOAD-BEARING ITEM WHICH IS SHOWN TO BE DEMOLISHED. CONTRACTOR SHALL NOT REMOVE ANY ITEMS WHICH SHOW EVIDENCE OF CARRYING ROOF LOADS, CEILING JOIST LOADS, NOR WALLS WHICH ARE SHEATHED WITH PLYWOOD WITHOUT PRIOR APPROVAL OF THE ARCHITECT EVEN IF SUCH ITEMS ARE SHOWN TO BE DEMOLISHED HEREIN.
18. SEE PLASTER DEMOLITION & REPAIR NOTES ON 2A-911 PRIOR TO DEMOLITION OF PLASTER ASSEMBLIES

LEGEND - DEMOLITION

- (E) 2X WOOD FRAMED WALL TO BE DEMOLISHED
- (E) DOOR TO BE DEMOLISHED
- (E) DOOR & FRAME TO REMAIN AND BE PAINTED
- (E) WINDOW & FRAME TO BE DEMOLISHED
- (E) 2X WOOD FRAMED WALL TO REMAIN
- (E) 1 HOUR RATED WOOD FRAMED WALL TO REMAIN
- REFERENCE PHOTO KEY

KEY PLAN



AGENCY APPROVAL DSA# 01-121407

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TEL (916) 359-4000

PROFESSIONAL STAMP



REVISIONS

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 4 - DEMOLITION FLOOR PLAN

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

SHEET NO.

2A-022

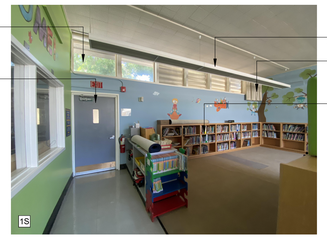
DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

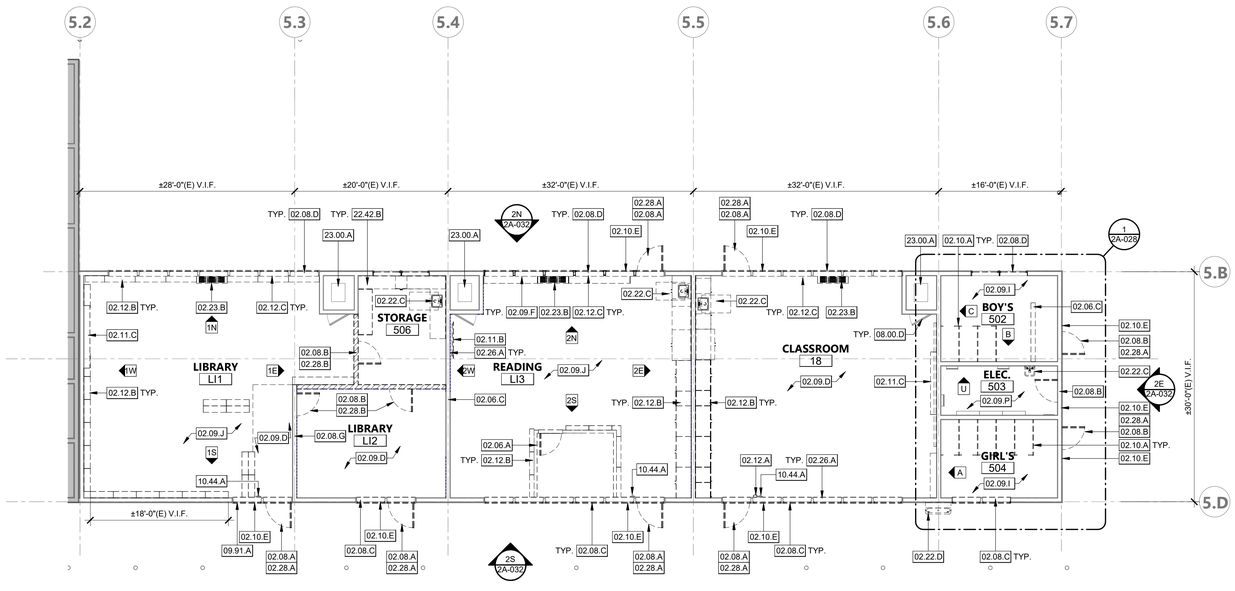
DATE PLOTTED: 10/17/2024 9:09:38 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt







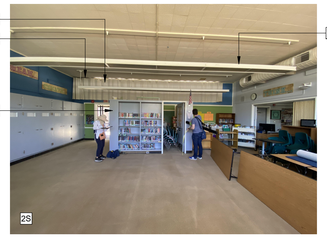


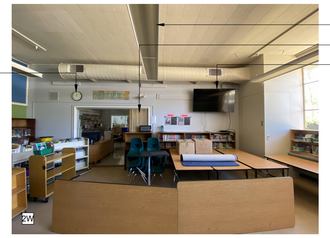


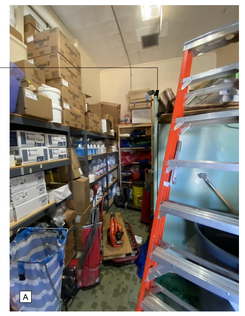


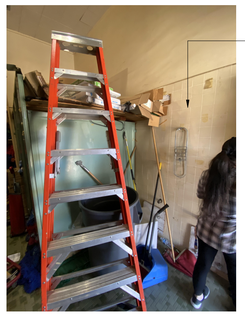




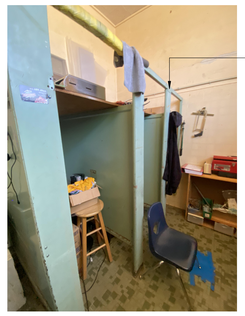














PROJECT NORTH

DATE PLOTTED: 10/17/2024 9:09:43 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt

BUILDING 5 DEMOLITION FLOOR PLAN | 1/8" = 1'-0" | 1

KEYNOTES

02.06.A	(E) WALL & DOOR (WHERE OCCURS) TO BE DEMOLISHED, PATCH AND REPAIR
02.06.C	(E) PARTITION WALL AND ACCORDIAN TRACK TO BE DEMOLISHED, PATCH AND REPAIR
02.08.A	(E) DOOR TO BE DEMOLISHED, EXISTING HM FRAME TO REMAIN. SALVAGE PANIC HARDWARE AND RETURN TO DISTRICT. PREPARE FOR NEW DOOR
02.08.B	(E) DOOR TO BE DEMOLISHED, EXISTING WOOD FRAME TO REMAIN. SALVAGE PANIC HARDWARE AND RETURN TO DISTRICT. PREPARE FOR NEW DOOR. PATCH AND REPAIR LEVER AND HINGES, PAINT.
02.08.C	(E) CLERESTORY WINDOW AND FRAME TO BE DEMOLISHED, PROTECT (E) OPENING AND PREPARE FOR NEW WINDOW
02.08.D	(E) WINDOW AND FRAME TO BE DEMOLISHED, PROTECT (E) OPENING AND PREPARE FOR NEW WINDOW
02.08.G	(E) WINDOW TO BE DEMOLISHED, INFILL OPENING SEE 8/2S-801
02.09.D	(E) VINYL COMPOSITION TILE AND WALL BASE TO BE DEMOLISHED, PREPARE SUBSTRATE FOR NEW FLOORING
02.09.F	(E) WOOD WALL PANEL AND TRIM TO BE DEMOLISHED
02.09.G	(E) WALL TRIM TO BE REMOVED, PATCH AND REPAIR
02.09.I	(E) FLOOR TILE, TILE BASE, AND WALL TILE TO BE DEMOLISHED, PREPARE FOR NEW FLOORING, TILE, AND BASE.
02.09.J	(E) CARPETING AND WALL BASE TO BE DEMOLISHED. DEMOLISH CARPET PADDING, IF PRESENT.
02.09.P	PREPARE (E) FLOORING AND SUBSTRATE FOR NEW FLOORING
02.10.A	(E) TOILET PARTITIONS AND TOILET ACCESSORIES TO BE DEMOLISHED, PATCH AND REPAIR
02.10.E	(E) DOOR ROOM ID SIGNAGE TO BE DEMOLISHED, PREPARE FOR NEW SIGN
02.11.B	(E) WALL MOUNTED TV AND TV MOUNT TO BE REMOVED, SALVAGED & RETURNED TO THE DISTRICT. PATCH AND REPAIR WALL
02.11.C	(E) PROJECTOR & PROJECTOR SCREEN TO BE REMOVED AND RETURNED TO THE DISTRICT, PATCH AND REPAIR
02.12.A	(E) WALL MOUNTED HAND SANITIZER DISPENSER TO BE REMOVED, SLAVAGED, AND REINSTALLED.
02.12.B	(E) CABINETS, COUNTERTOPS, BACKSPLASH, BOOKSHELVES, AND RELATED ACCESSORIES TO BE DEMOLISHED
02.12.C	(E) WINDOW COVERINGS TO BE DEMOLISHED
02.12.D	(E) WINDOW CURTAINS AND TRACK TO BE DEMOLISHED
02.22.B	(E) SINK TO BE DEMOLISHED AND PREPARE TO RECEIVE NEW SINK AND CABINET, S.P.D.
02.22.C	(E) SINK AND ACCESSORIES TO BE DEMOLISHED, S.P.D.
02.22.D	(E) DRINKING FOUNTAIN TO BE DEMOLISHED, S.P.D.
02.23.B	(E) ABANDONED FURNACE TO BE DEMOLISHED, PATCH AND REPAIR. S.M.D.
02.26.A	(E) WIRE-MOLDING TO BE REMOVED, S.T.D.
02.26.C	(E) LIGHT FIXTURES TO BE DEMOLISHED. PATCH AND PREPARE FOR NEW LIGHT FIXTURES. S.E.D.
02.27.A	(E) CLOCK TO BE REMOVED, PATCH AND PREPARE FOR PAINT S.T.D.
02.28.A	REMOVE DOOR THRESHOLDS AS NEEDED FOR REMOVAL OF (E) FLOORING. SALVAGE AND REINSTALL
02.28.B	REMOVE FLOORING TRANSITION STRIPS AS NEEDED FOR REMOVAL OF (E) FLOORING. SALVAGE AND REINSTALL
08.00.D	(E) MECHANICAL CLOSED ACCESS PANEL AND LOUVER, TO BE PAINTED
09.91.A	PAINT ALL INTERIOR SURFACES, PATCH AS NEEDED
10.44.A	(E) FIRE EXTINGUISHER TO BE REMOVED AND REINSTALLED
22.42.B	(E) SINK TO REMAIN, PROTECT IN PLACE
23.00.A	(E) AIR HANDLING UNIT TO REMAIN, S.M.D.
26.51.B	(E) LIGHT FIXTURE TO REMAIN, GC MAY REMOVE AND REINSTALL FOR WORK AT NEW CEILING

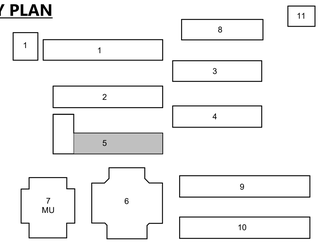
LEGEND - DEMO GENERAL NOTES

1. IN ACCORDANCE WITH PERTINENT ITEMS OF THESE NOTES AND THOSE ITEMS SO INDICATED ON THE DRAWINGS "CAREFULLY" DEMOLISH AND REMOVE FROM THE JOB SITE THOSE ITEMS SCHEDULED TO BE SO DEMOLISHED AND REMOVED.
2. SEE SPECIFICATION SECTION 02 41 19 FOR MORE DEMOLITION NOTES, REQUIREMENTS, AND PROCEDURES.
3. **REFER TO MECHANICAL, PLUMBING, ELECTRICAL, FIRE ALARM AND TECHNOLOGY DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.**
4. KEYNOTED ELEMENTS SCHEDULED FOR DEMOLITION ARE NOTED FOR CLARIFICATION ONLY. SEE DEMOLITION PLAN LEGEND FOR ADDITIONAL DEMOLITION REQUIREMENTS. USE ADEQUATE NUMBERS OF SKILLED WORKMAN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.
5. SURFACE CONDITIONS: EXAMINE THE AREAS AND CONDITIONS UNDER WHICH WORK WILL BE PERFORMED. CORRECT CONDITIONS DETRIMENTAL TO TIMELY AND PROPER COMPLETION OF THE WORK. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS ARE CORRECTED.
6. DEMOLITION: BY CAREFUL STUDY OF THE DRAWINGS, DETERMINE THE LOCATION AND EXTENT OF SELECTIVE DEMOLITION REQUIRED.
7. VISIT THE SITE AND VERIFY THE EXTENT AND LOCATION OF SELECTIVE DEMOLITION REQUIRED.
8. CAREFULLY IDENTIFY LIMITS OF SELECTIVE DEMOLITION.
9. MARK INTERFACE SURFACES AS REQUIRED TO ENABLE WORKMAN ALSO TO IDENTIFY ITEMS TO BE REMOVED AND ITEMS TO BE LEFT IN PLACE INTACT.
10. PREPARE AND FOLLOW AN ORGANIZED PLAN FOR DEMOLITION AND REMOVAL OF ITEMS.
11. COMPLETELY REMOVE ITEMS SCHEDULED TO BE SO DEMOLISHED AND REMOVED, LEAVING SURFACES CLEAN, SOLID, AND READY TO RECEIVE NEW MATERIALS SPECIFIED ELSEWHERE.
12. SALVAGE: AFTER CAREFUL REVIEW OF THE DRAWINGS SHOWING PROPOSED NEW CONSTRUCTION, IDENTIFY THOSE ITEMS THAT ARE GOOD CANDIDATES FOR RE-USE AND CAREFULLY REMOVE AND STOCKPILE THEM ON SITE IN A PROTECTED AREA.
13. DEMOLISHED MATERIALS SHALL BE CONSIDERED TO BE PROPERTY OF THE CONTRACTOR AND SHALL BE COMPLETELY REMOVED FROM THE JOB SITE, UNLESS OTHERWISE DIRECTED BY THE DISTRICT.
14. REPLACEMENTS: IN THE EVENT OF DEMOLITION OF ITEMS NOT SO SCHEDULED TO BE DEMOLISHED, PROMPTLY REPLACE SUCH ITEMS TO THE APPROVAL OF THE ARCHITECT AND AT NO ADDITIONAL COST TO THE OWNER.
15. SEE ASBESTOS & LEAD IN PAINT SURVEY REPORT FOR MT DIABLO ELEMENTARY SHOOL PROVIDED BY ENVIRO-S.T.A.R. FOR REQUIRED ABATEMENT, BASED ON THE REPORT PROVIDED, MATERIALS IDENTIFIED FOR REMOVAL WILL BE REMOVED BY AN ABATEMENT CONTRACTOR PROPERLY LICENSED AND REGISTERED TO DO ASBESTOS & LEAD ABATEMENT
16. TERMINATE ALL ELECTRICAL CONDUITS CONTAINED IN WALLS TO BE DEMOLISHED PER N.E.C. 2023. CONDUITS FEEDING DEMOLISHED AREAS, BUT CONTAINED WITHIN CONSTRUCTION TO REMAIN MAY BE ABANDONED IN PLACE.
17. ALL ITEMS INDICATED FOR DEMOLITION ON THIS SHEET ARE CONSIDERED TO BE NON-STRUCTURAL. DURING DEMOLITION, EVIDENCE MAY BECOME APPARENT OF A LOAD-BEARING ITEM WHICH IS SHOWN TO BE DEMOLISHED. CONTRACTOR SHALL NOT REMOVE ANY ITEMS WHICH SHOW EVIDENCE OF CARRYING ROOF LOADS, CEILING JOIST LOADS, NOR WALLS WHICH ARE SHEATHED WITH PLYWOOD WITHOUT PRIOR APPROVAL OF THE ARCHITECT EVEN IF SUCH ITEMS ARE SHOWN TO BE DEMOLISHED HEREIN.
18. SEE PLASTER DEMOLITION & REPAIR NOTES ON 2A-911 PRIOR TO DEMOLITION OF PLASTER ASSEMBLIES

LEGEND - DEMOLITION

- (E) 2X WOOD FRAMED WALL TO BE DEMOLISHED
- (E) DOOR TO BE DEMOLISHED
- (E) DOOR & FRAME TO REMAIN AND BE PAINTED
- (E) WINDOW & FRAME TO BE DEMOLISHED
- (E) 2X WOOD FRAMED WALL TO REMAIN
- (E) 1 HOUR RATED WOOD FRAMED WALL TO REMAIN
- REFERENCE PHOTO KEY

KEY PLAN



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PROFESSIONAL STAMP

LICENSED ARCHITECT — MANNY ALVAREZ MARTIN — C-36107 — REN 01-31-25 — STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE

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1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 5 - DEMOLITION FLOOR PLAN

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

SHEET NO.

2A-023

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

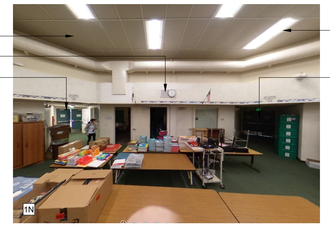








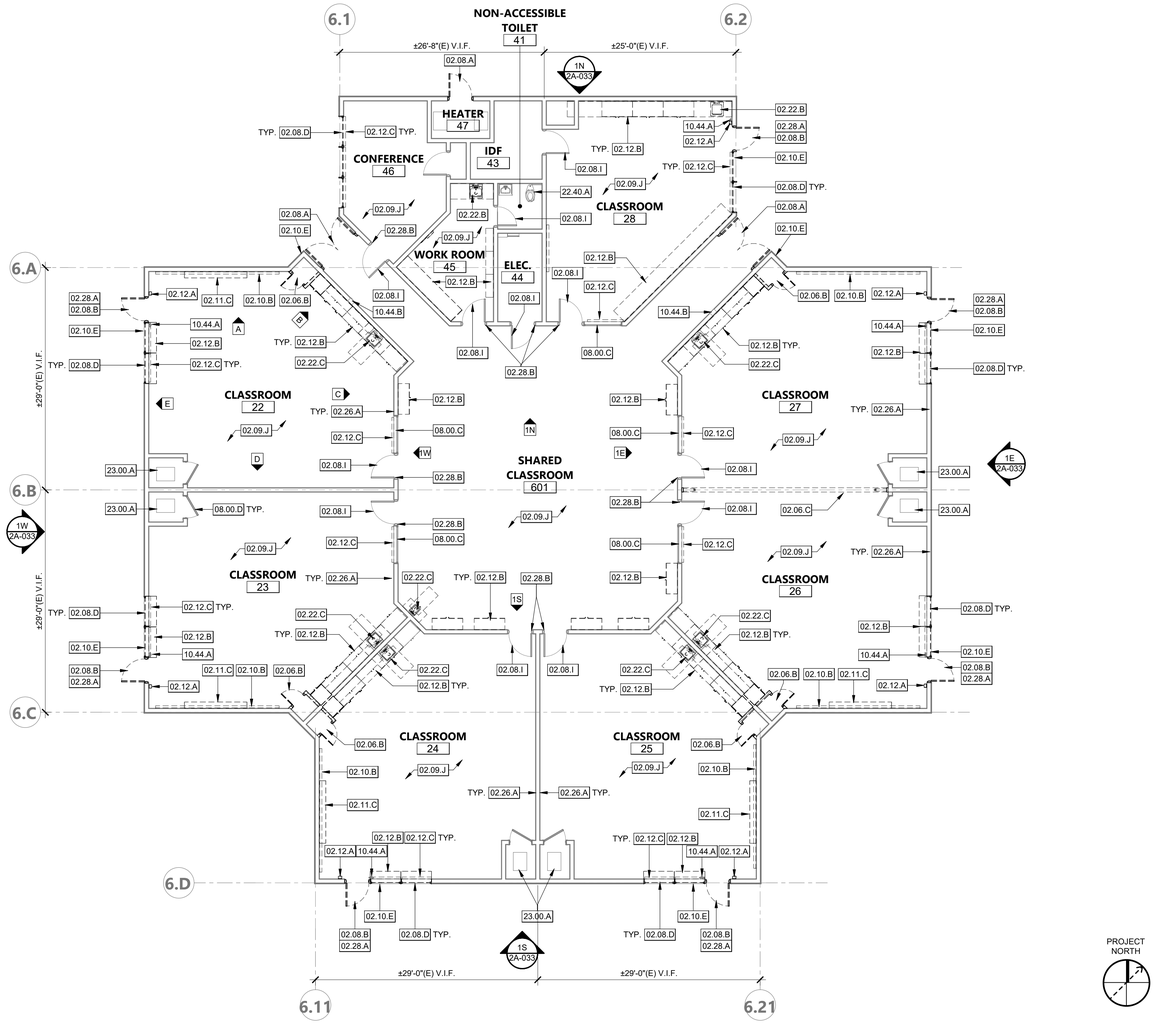












KEYNOTES

02.06.B	(E) WALL & DOOR TO BE DEMOLISHED, PREPARE TO INSTALL NEW CASEWORK
02.06.C	(E) PARTITION WALL AND ACCORDIAN TRACK TO BE DEMOLISHED, PATCH AND REPAIR
02.08.A	(E) DOOR TO BE DEMOLISHED, EXISTING HM FRAME TO REMAIN. SALVAGE PANIC HARDWARE AND RETURN TO DISTRICT. PREPARE FOR NEW DOOR
02.08.B	(E) DOOR TO BE DEMOLISHED, EXISTING WOOD FRAME TO REMAIN. SALVAGE PANIC HARDWARE AND RETURN TO DISTRICT. PREPARE FOR NEW DOOR. PATCH AND REPAIR LEVER AND HINGES, PAINT.
02.08.D	(E) WINDOW AND FRAME TO BE DEMOLISHED, PROTECT (E) OPENING AND PREPARE FOR NEW WINDOW
02.08.I	(E) DOOR HARDWARE TO BE REMOVED AND REPLACED
02.09.B	(E) CEILING TILES TO BE DEMOLISHED, EXISTING GRID TO REMAIN & PREPARE TO BE PAINTED
02.09.J	(E) CARPETING AND WALL BASE TO BE DEMOLISHED. DEMOLISH CARPET PADDING, IF PRESENT.
02.09.K	(E) UTILITY ENCLOSURE SOFFIT AND UTILITIES INSIDE TO BE DEMOLISHED. S.E.D., M.E.D. AND PATCH AND REPAIR WALL
02.10.B	(E) WHITEBOARDS, TACKBOARDS, AND OTHER CLASSROOM ACCESSORIES TO BE DEMOLISHED, PATCH AND REPAIR
02.10.C	(E) WHITEBOARD TO BE REMOVED AND REINSTALLED
02.10.E	(E) DOOR ROOM ID SIGNAGE TO BE DEMOLISHED, PREPARE FOR NEW SIGN
02.11.B	(E) WALL MOUNTED TV AND TV MOUNT TO BE REMOVED, SALVAGED & RETURNED TO THE DISTRICT. PATCH AND REPAIR WALL
02.11.C	(E) PROJECTOR & PROJECTOR SCREEN TO BE REMOVED AND RETURNED TO THE DISTRICT, PATCH AND REPAIR
02.12.A	(E) WALL MOUNTED HAND SANITIZER DISPENSER TO BE REMOVED, SLAVAGED, AND REINSTALLED.
02.12.B	(E) CABINETS, COUNTERTOPS, BACKSPLASH, BOOKSHELVES, AND RELATED ACCESSORIES TO BE DEMOLISHED
02.12.C	(E) WINDOW COVERINGS TO BE DEMOLISHED
02.22.B	(E) SINK TO BE DEMOLISHED AND PREPARE TO RECEIVE NEW SINK AND CABINET, S.P.D.
02.22.C	(E) SINK AND ACCESSORIES TO BE DEMOLISHED, S.P.D.
02.22.E	(E) SINK ACCESSORIES TO BE DEMOLISHED.
02.26.A	(E) WIRE-MOLDING TO BE REMOVED, S.T.D.
02.27.A	(E) CLOCK TO BE REMOVED, PATCH AND PREPARE FOR PAINT S.T.D.
02.28.A	REMOVE DOOR THRESHOLDS AS NEEDED FOR REMOVAL OF (E) FLOORING. SALVAGE AND REINSTALL
02.28.B	REMOVE FLOORING TRANSITION STRIPS AS NEEDED FOR REMOVAL OF (E) FLOORING. SALVAGE AND REINSTALL
08.00.C	(E) STOREFRONT ALUMINUM WINDOWS
08.00.D	(E) MECHANICAL CLOSED ACCESS PANEL AND LOUVER, TO BE PAINTED
10.44.A	(E) FIRE EXTINGUISHER TO BE REMOVED AND REINSTALLED
10.44.B	(E) RECESSED FIRE EXTINGUISHER CABINET, PROTECT IN PLACE
22.40.A	(E) FLOOR MOUNTED TOILET, PROTECT IN PLACE
23.00.A	(E) AIR HANDLING UNIT TO REMAIN, S.M.D.
26.51.B	(E) LIGHT FIXTURE TO REMAIN, GC MAY REMOVE AND REINSTALL FOR WORK AT NEW CEILING

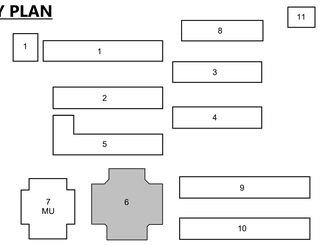
LEGEND - DEMO GENERAL NOTES

1. IN ACCORDANCE WITH PERTINENT ITEMS OF THESE NOTES AND THOSE ITEMS SO INDICATED ON THE DRAWINGS "CAREFULLY" DEMOLISH AND REMOVE FROM THE JOB SITE THOSE ITEMS SCHEDULED TO BE SO DEMOLISHED AND REMOVED.
2. SEE SPECIFICATION SECTION 02 41 19 FOR MORE DEMOLITION NOTES, REQUIREMENTS, AND PROCEDURES.
3. **REFER TO MECHANICAL, PLUMBING, ELECTRICAL, FIRE ALARM AND TECHNOLOGY DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.**
4. KEYNOTED ELEMENTS SCHEDULED FOR DEMOLITION ARE NOTED FOR CLARIFICATION ONLY. SEE DEMOLITION PLAN LEGEND FOR ADDITIONAL DEMOLITION REQUIREMENTS. USE ADEQUATE NUMBERS OF SKILLED WORKMAN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.
5. SURFACE CONDITIONS: EXAMINE THE AREAS AND CONDITIONS UNDER WHICH WORK WILL BE PERFORMED. CORRECT CONDITIONS DETRIMENTAL TO TIMELY AND PROPER COMPLETION OF THE WORK. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS ARE CORRECTED.
6. DEMOLITION: BY CAREFUL STUDY OF THE DRAWINGS, DETERMINE THE LOCATION AND EXTENT OF SELECTIVE DEMOLITION REQUIRED.
7. VISIT THE SITE AND VERIFY THE EXTENT AND LOCATION OF SELECTIVE DEMOLITION REQUIRED.
8. CAREFULLY IDENTIFY LIMITS OF SELECTIVE DEMOLITION.
9. MARK INTERFACE SURFACES AS REQUIRED TO ENABLE WORKMAN ALSO TO IDENTIFY ITEMS TO BE REMOVED AND ITEMS TO BE LEFT IN PLACE INTACT.
10. PREPARE AND FOLLOW AN ORGANIZED PLAN FOR DEMOLITION AND REMOVAL OF ITEMS.
11. COMPLETELY REMOVE ITEMS SCHEDULED TO BE SO DEMOLISHED AND REMOVED, LEAVING SURFACES CLEAN, SOLID, AND READY TO RECEIVE NEW MATERIALS SPECIFIED ELSEWHERE.
12. SALVAGE: AFTER CAREFUL REVIEW OF THE DRAWINGS SHOWING PROPOSED NEW CONSTRUCTION, IDENTIFY THOSE ITEMS THAT ARE GOOD CANDIDATES FOR RE-USE AND CAREFULLY REMOVE AND STOCKPILE THEM ON SITE IN A PROTECTED AREA.
13. DEMOLISHED MATERIALS SHALL BE CONSIDERED TO BE PROPERTY OF THE CONTRACTOR AND SHALL BE COMPLETELY REMOVED FROM THE JOB SITE, UNLESS OTHERWISE DIRECTED BY THE DISTRICT.
14. REPLACEMENTS: IN THE EVENT OF DEMOLITION OF ITEMS NOT SO SCHEDULED TO BE DEMOLISHED, PROMPTLY REPLACE SUCH ITEMS TO THE APPROVAL OF THE ARCHITECT AND AT NO ADDITIONAL COST TO THE OWNER.
15. SEE ASBESTOS & LEAD IN PAINT SURVEY REPORT FOR MT DIABLO ELEMENTARY SHOOL PROVIDED BY ENVIRO-S.T.A.R. FOR REQUIRED ABATEMENT, BASED ON THE REPORT PROVIDED, MATERIALS IDENTIFIED FOR REMOVAL WILL BE REMOVED BY AN ABATEMENT CONTRACTOR PROPERLY LICENSED AND REGISTERED TO DO ASBESTOS & LEAD ABATEMENT
16. TERMINATE ALL ELECTRICAL CONDUITS CONTAINED IN WALLS TO BE DEMOLISHED PER N.E.C. 2023. CONDUITS FEEDING DEMOLISHED AREAS, BUT CONTAINED WITHIN CONSTRUCTION TO REMAIN MAY BE ABANDONED IN PLACE.
17. ALL ITEMS INDICATED FOR DEMOLITION ON THIS SHEET ARE CONSIDERED TO BE NON-STRUCTURAL. DURING DEMOLITION, EVIDENCE MAY BECOME APPARENT OF A LOAD-BEARING ITEM WHICH IS SHOWN TO BE DEMOLISHED. CONTRACTOR SHALL NOT REMOVE ANY ITEMS WHICH SHOW EVIDENCE OF CARRYING ROOF LOADS, CEILING JOIST LOADS, NOR WALLS WHICH ARE SHEATHED WITH PLYWOOD WITHOUT PRIOR APPROVAL OF THE ARCHITECT EVEN IF SUCH ITEMS ARE SHOWN TO BE DEMOLISHED HEREIN.
18. SEE PLASTER DEMOLITION & REPAIR NOTES ON 2A-911 PRIOR TO DEMOLITION OF PLASTER ASSEMBLIES

LEGEND - DEMOLITION

- (E) 2X WOOD FRAMED WALL TO BE DEMOLISHED
- (E) DOOR TO BE DEMOLISHED
- (E) DOOR & FRAME TO REMAIN AND BE PAINTED
- (E) WINDOW & FRAME TO BE DEMOLISHED
- (E) 2X WOOD FRAMED WALL TO REMAIN
- (E) 1 HOUR RATED WOOD FRAMED WALL TO REMAIN
- REFERENCE PHOTO KEY

KEY PLAN



AGENCY APPROVAL DSA# 01-121407

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PROFESSIONAL STAMP

LICENSED ARCHITECT JUAN ALVAREZ-RIOS C-36102 REN. 01-31-25 STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 6 - DEMOLITION FLOOR PLAN

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

SHEET NO.

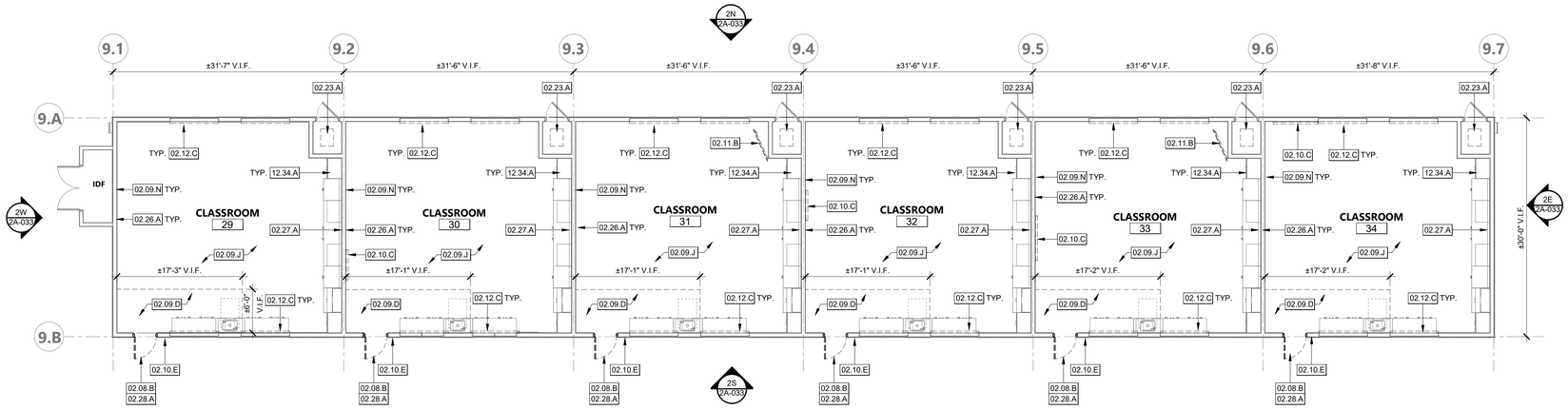
2A-024

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

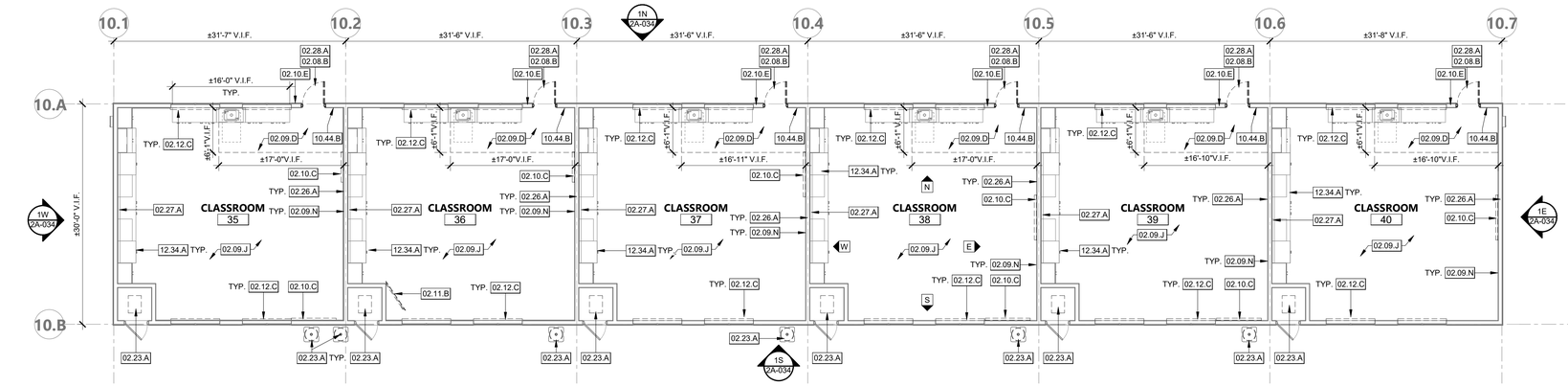
BUILDING 6 DEMOLITION FLOOR PLAN | 1/8" = 1'-0" | 1

DATE PLOTTED: 10/17/2024 9:09:47 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt



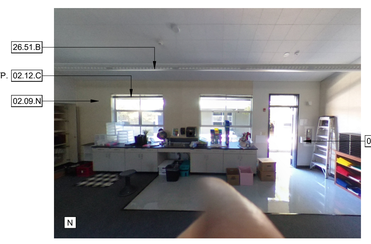
BUILDING 9 DEMOLITION FLOOR PLAN

1/8" = 1'-0" | 1











BUILDING 10 DEMOLITION FLOOR PLAN

1/8" = 1'-0" | 2

KEYNOTES

02.08.B	(E) DOOR TO BE DEMOLISHED, EXISTING WOOD FRAME TO REMAIN. SALVAGE PANIC HARDWARE AND RETURN TO DISTRICT. PREPARE FOR NEW DOOR. PATCH AND REPAIR LEVER AND HINGES, PAINT.
02.09.D	(E) VINYL COMPOSITION TILE AND WALL BASE TO BE DEMOLISHED, PREPARE SUBSTRATE FOR NEW FLOORING
02.09.N	(E) TACKABLE WALL PANEL TO BE REMOVED. PATCH, REPAIR , AND PAINT
02.10.C	(E) WHITEBOARD TO BE REMOVED AND REINSTALLED
02.10.E	(E) DOOR ROOM ID SIGNAGE TO BE DEMOLISHED, PREPARE FOR NEW SIGN
02.11.B	(E) WALL MOUNTED TV AND TV MOUNT TO BE REMOVED, SALVAGED & RETURNED TO THE DISTRICT. PATCH AND REPAIR WALL
02.11.C	(E) PROJECTOR & PROJECTOR SCREEN TO BE REMOVED AND RETURNED TO THE DISTRICT, PATCH AND REPAIR
02.12.A	(E) WALL MOUNTED HAND SANITIZER DISPENSER TO BE REMOVED, SLAVAGED, AND REINSTALLED.
02.12.C	(E) WINDOW COVERINGS TO BE DEMOLISHED
02.23.A	(E) MECHANICAL EQUIPMENT TO BE DEMOLISHED, S.M.D.
02.26.A	(E) WIRE-MOLDING TO BE REMOVED, S.T.D.
02.27.A	(E) CLOCK TO BE REMOVED, PATCH AND PREPARE FOR PAINT S.T.D.
02.28.A	REMOVE DOOR THRESHOLDS AS NEEDED FOR REMOVAL OF (E) FLOORING. SALVAGE AND REINSTALL
09.00.B	(E) TACKABLE WALL PANELS TO REMAIN, PROTECT IN PLACE. PAINT P1 PER FINISH SCHEDULE.
10.11.D	(E) WHITEBOARDS TO REMAIN
10.44.B	(E) RECESSED FIRE EXTINGUISHER CABINET, PROTECT IN PLACE
12.34.A	(E) CASEWORK TO REMAIN, PROTECT IN PLACE
26.51.B	(E) LIGHT FIXTURE TO REMAIN, GC MAY REMOVE AND REINSTALL FOR WORK AT NEW CEILING

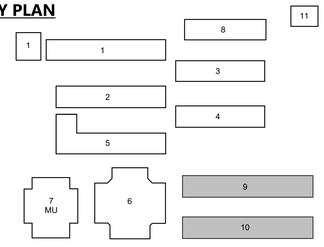
LEGEND - DEMO GENERAL NOTES

1. IN ACCORDANCE WITH PERTINENT ITEMS OF THESE NOTES AND THOSE ITEMS SO INDICATED ON THE DRAWINGS "CAREFULLY" DEMOLISH AND REMOVE FROM THE JOB SITE THOSE ITEMS SCHEDULED TO BE SO DEMOLISHED AND REMOVED.
2. SEE SPECIFICATION SECTION 02 41 19 FOR MORE DEMOLITION NOTES, REQUIREMENTS, AND PROCEDURES.
3. **REFER TO MECHANICAL, PLUMBING, ELECTRICAL, FIRE ALARM AND TECHNOLOGY DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.**
4. KEYNOTED ELEMENTS SCHEDULED FOR DEMOLITION ARE NOTED FOR CLARIFICATION ONLY. SEE DEMOLITION PLAN LEGEND FOR ADDITIONAL DEMOLITION REQUIREMENTS. USE ADEQUATE NUMBERS OF SKILLED WORKMAN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.
5. SURFACE CONDITIONS: EXAMINE THE AREAS AND CONDITIONS UNDER WHICH WORK WILL BE PERFORMED. CORRECT CONDITIONS DETRIMENTAL TO TIMELY AND PROPER COMPLETION OF THE WORK. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS ARE CORRECTED.
6. DEMOLITION: BY CAREFUL STUDY OF THE DRAWINGS, DETERMINE THE LOCATION AND EXTENT OF SELECTIVE DEMOLITION REQUIRED.
7. VISIT THE SITE AND VERIFY THE EXTENT AND LOCATION OF SELECTIVE DEMOLITION REQUIRED.
8. CAREFULLY IDENTIFY LIMITS OF SELECTIVE DEMOLITION.
9. MARK INTERFACE SURFACES AS REQUIRED TO ENABLE WORKMAN ALSO TO IDENTIFY ITEMS TO BE REMOVED AND ITEMS TO BE LEFT IN PLACE INTACT.
10. PREPARE AND FOLLOW AN ORGANIZED PLAN FOR DEMOLITION AND REMOVAL OF ITEMS.
11. COMPLETELY REMOVE ITEMS SCHEDULED TO BE SO DEMOLISHED AND REMOVED, LEAVING SURFACES CLEAN, SOLID, AND READY TO RECEIVE NEW MATERIALS SPECIFIED ELSEWHERE.
12. SALVAGE: AFTER CAREFUL REVIEW OF THE DRAWINGS SHOWING PROPOSED NEW CONSTRUCTION, IDENTIFY THOSE ITEMS THAT ARE GOOD CANDIDATES FOR RE-USE AND CAREFULLY REMOVE AND STOCKPILE THEM ON SITE IN A PROTECTED AREA.
13. DEMOLISHED MATERIALS SHALL BE CONSIDERED TO BE PROPERTY OF THE CONTRACTOR AND SHALL BE COMPLETELY REMOVED FROM THE JOB SITE, UNLESS OTHERWISE DIRECTED BY THE DISTRICT.
14. REPLACEMENTS: IN THE EVENT OF DEMOLITION OF ITEMS NOT SO SCHEDULED TO BE DEMOLISHED, PROMPTLY REPLACE SUCH ITEMS TO THE APPROVAL OF THE ARCHITECT AND AT NO ADDITIONAL COST TO THE OWNER.
15. SEE ASBESTOS & LEAD IN PAINT SURVEY REPORT FOR MT DIABLO ELEMENTARY SHOOL PROVIDED BY ENVIRO-S.T.A.R. FOR REQUIRED ABATEMENT, BASED ON THE REPORT PROVIDED, MATERIALS IDENTIFIED FOR REMOVAL WILL BE REMOVED BY AN ABATEMENT CONTRACTOR PROPERLY LICENSED AND REGISTERED TO DO ASBESTOS & LEAD ABATEMENT
16. TERMINATE ALL ELECTRICAL CONDUITS CONTAINED IN WALLS TO BE DEMOLISHED PER N.E.C. 2023. CONDUITS FEEDING DEMOLISHED AREAS, BUT CONTAINED WITHIN CONSTRUCTION TO REMAIN MAY BE ABANDONED IN PLACE.
17. ALL ITEMS INDICATED FOR DEMOLITION ON THIS SHEET ARE CONSIDERED TO BE NON-STRUCTURAL. DURING DEMOLITION, EVIDENCE MAY BECOME APPARENT OF A LOAD-BEARING ITEM WHICH IS SHOWN TO BE DEMOLISHED. CONTRACTOR SHALL NOT REMOVE ANY ITEMS WHICH SHOW EVIDENCE OF CARRYING ROOF LOADS, CEILING JOIST LOADS, NOR WALLS WHICH ARE SHEATHED WITH PLYWOOD WITHOUT PRIOR APPROVAL OF THE ARCHITECT EVEN IF SUCH ITEMS ARE SHOWN TO BE DEMOLISHED HEREIN.
18. SEE PLASTER DEMOLITION & REPAIR NOTES ON 2A-911 PRIOR TO DEMOLITION OF PLASTER ASSEMBLIES

LEGEND - DEMOLITION

- (E) 2X WOOD FRAMED WALL TO BE DEMOLISHED
- (E) DOOR TO BE DEMOLISHED
- (E) DOOR & FRAME TO REMAIN AND BE PAINTED
- (E) WINDOW & FRAME TO BE DEMOLISHED
- (E) 2X WOOD FRAMED WALL TO REMAIN
- (E) 1 HOUR RATED WOOD FRAMED WALL TO REMAIN
- REFERENCE PHOTO KEY

KEY PLAN



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PROFESSIONAL STAMP

LICENSED ARCHITECT — FRANK ALVAREZ-RAMOS — C-36103 — REN. 01-31-25 — STATE OF CALIFORNIA

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SHEET TITLE

BLDG 9 & 10 - DEMOLITION FLOOR PLAN

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

SHEET NO.

2A-025

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

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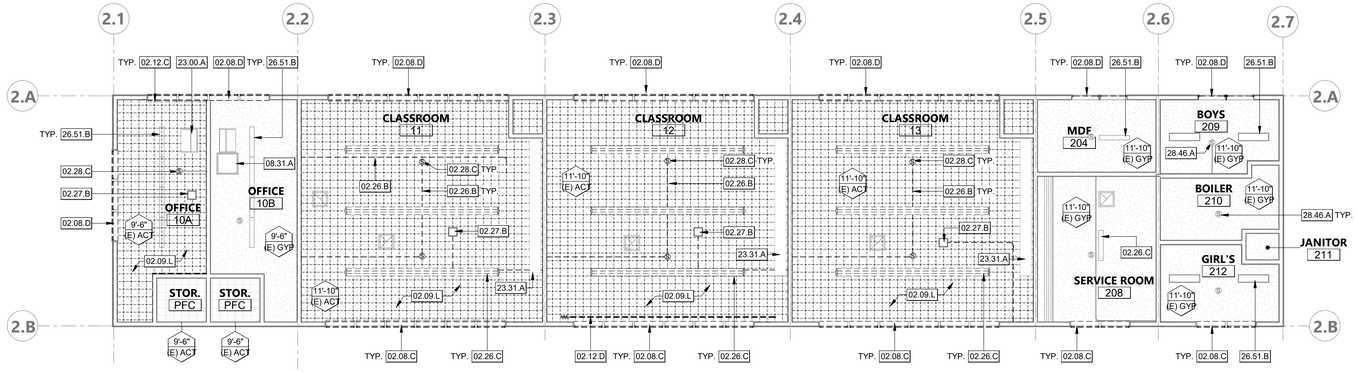
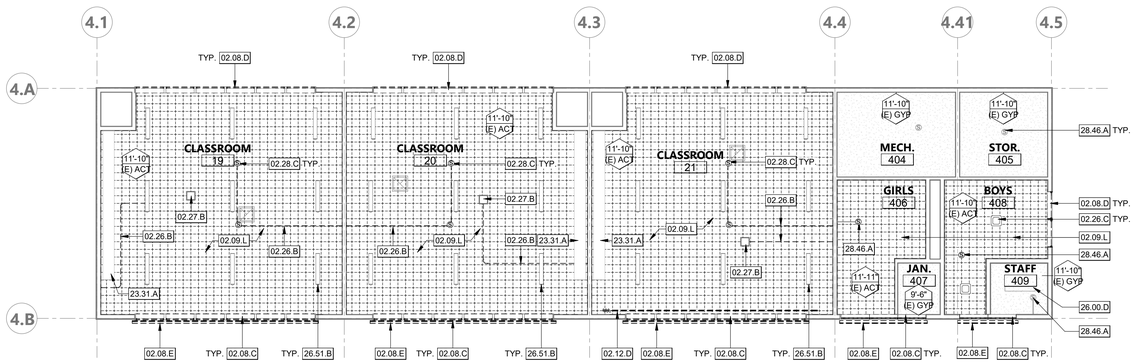


PROJECT NORTH

BUILDING 2 DEMO RCP | 1/8" = 1'-0" | 1

PROJECT NORTH

BUILDING 3 DEMO RCP | 1/8" = 1'-0" | 2



PROJECT NORTH

BUILDING 4 DEMO RCP | 1/8" = 1'-0" | 3

KEYNOTES

02.08.C	(E) CLERESTORY WINDOW AND FRAME TO BE DEMOLISHED, PROTECT (E) OPENING AND PREPARE FOR NEW WINDOW
02.08.D	(E) WINDOW AND FRAME TO BE DEMOLISHED, PROTECT (E) OPENING AND PREPARE FOR NEW WINDOW
02.08.E	(E) EXTERIOR LOUVERS TO BE DEMOLISHED. PATCH, REPAIR, AND PREPARE FOR NEW PAINT
02.09.L	(E) GLUE-UP CEILING TILES TO BE DEMOLISHED. PROTECT (E) 2x4 FURRING STRIPS, PREPARE FOR FUTURE GYP BOARD CEILING
02.12.C	(E) WINDOW COVERINGS TO BE DEMOLISHED
02.12.D	(E) WINDOW CURTAINS AND TRACK TO BE DEMOLISHED
02.26.B	(E) ELECTRICAL CONDUITS TO BE REMOVED, S.E.D.
02.26.C	(E) LIGHT FIXTURES TO BE DEMOLISHED. PATCH AND PREPARE FOR NEW LIGHT FIXTURES. S.E.D.
02.27.B	(E) WIRELESS ACCESS POINT TO BE REMOVED, SALVAGED, AND REINSTALLED
02.28.C	(E) SMOKE DETECTOR TO BE REMOVED, SALVAGED, AND REINSTALLED
08.31.A	(E) CEILING ACCESS PANEL (NON RATED), PROTECT IN PLACE
23.00.A	(E) AIR HANDLING UNIT TO REMAIN, S.M.D.
23.31.A	(E) DUCTWORK TO REMAIN, PROTECT IN PLACE THROUGH CONSTRUCTION, S.M.D.
26.00.D	(E) INTERIOR LIGHTING FIXTURE TO REMAIN, S.E.D.
26.51.B	(E) LIGHT FIXTURE TO REMAIN, GC MAY REMOVE AND REINSTALL FOR WORK AT NEW CEILING
28.46.A	(E) SMOKE DETECTOR TO REMAIN, PROTECT IN PLACE

DEMO CEILING GENERAL NOTES

1. COORDINATE WITH ELECTRICAL, MECHANICAL, PLUMBING DRAWINGS FOR DEMOLITION WORK
2. (E) FINISHES, EQUIPMENT, CONDUITS, ETC. INDICATED TO REMAIN, SHALL BE PROTECTED DURING CONSTRUCTION.
3. AT CEILINGS TO BE REMOVED, REMOVE ALL CEILINGS, SOFFITS, RELATED SUPPORT SYSTEMS AND ACCESSORIES, AND CEILING MOUNTED ITEMS. COORDINATE WITH MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
4. PROCEED WITH CAUTION WHEN REMOVING (E) CEILING AND/OR (E) CEILING FRAMING TO AVOID DAMAGING ANY (E) UTILITIES.

LEGEND - CEILING

- 12'-0" ACT — CEILING HEIGHT ABOVE FIN. FLOOR / CEILING MATERIAL
- (E) 1X1 GLUE-UP CEILING TILES TO BE DEMOLISHED
- (E) 1X2 ACT TILES TO BE DEMOLISHED, EXISTING GRID TO REMAIN.
- (E) 12"x12" GLUEON ACOUSTICAL TILES TO REMAIN
- (E) GYP BOARD CEILING TO REMAIN
- (E) ROOF ACCESS HATCH
- (E) PENDANT LIGHT FIXTURE TO REMAIN
- (E) RETURN AIR GRILLE
- (E) SUPPLY REGISTER
- (E) EXHAUST FAN OR GRILLE TO BE REMOVED WHERE INDICATED
- (E) 2X WOOD FRAMED WALL TO BE DEMOLISHED
- (S) (E) SMOKE, PROTECT IN PLACE
- (S) (E) SMOKE DETECTOR TO BE REMOVED AND REINSTALLED. SEE FIRE ALARM DRAWINGS
- (E) WIRELESS ACCESS POINT TO BE REMOVED, SALVAGED, AND REINSTALLED

NOTE: SYMBOLS SHOWN FOR LOCATION PURPOSES ONLY, SEE MECHANICAL, ELECTRICAL, & FIRE PROTECTION DRAWINGS FOR DETAILED INFORMATION

KEY PLAN

PROJECT NORTH

AGENCY APPROVAL DSA# 01-121407

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PROFESSIONAL STAMP

LICENSED ARCHITECT — MICHAEL ALVAREZ-RAMOS — C-36107 — REN 01-31-25 — STATE OF CALIFORNIA

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SHEET TITLE

BLDG 2, 3, & 4 - DEMOLITION REFLECTED CEILING PLAN

INCREMENT 2

DRAWN BY: Author JOB NUMBER: 23120.01

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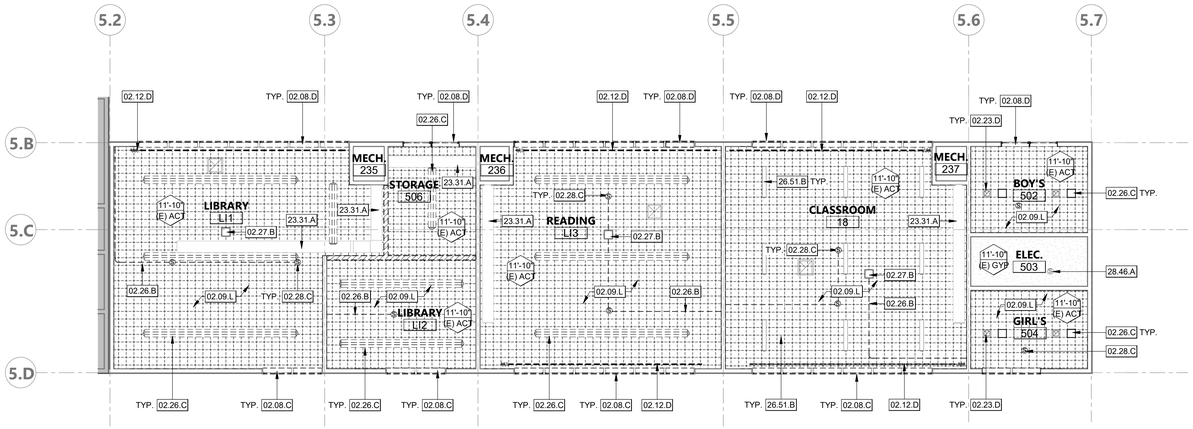
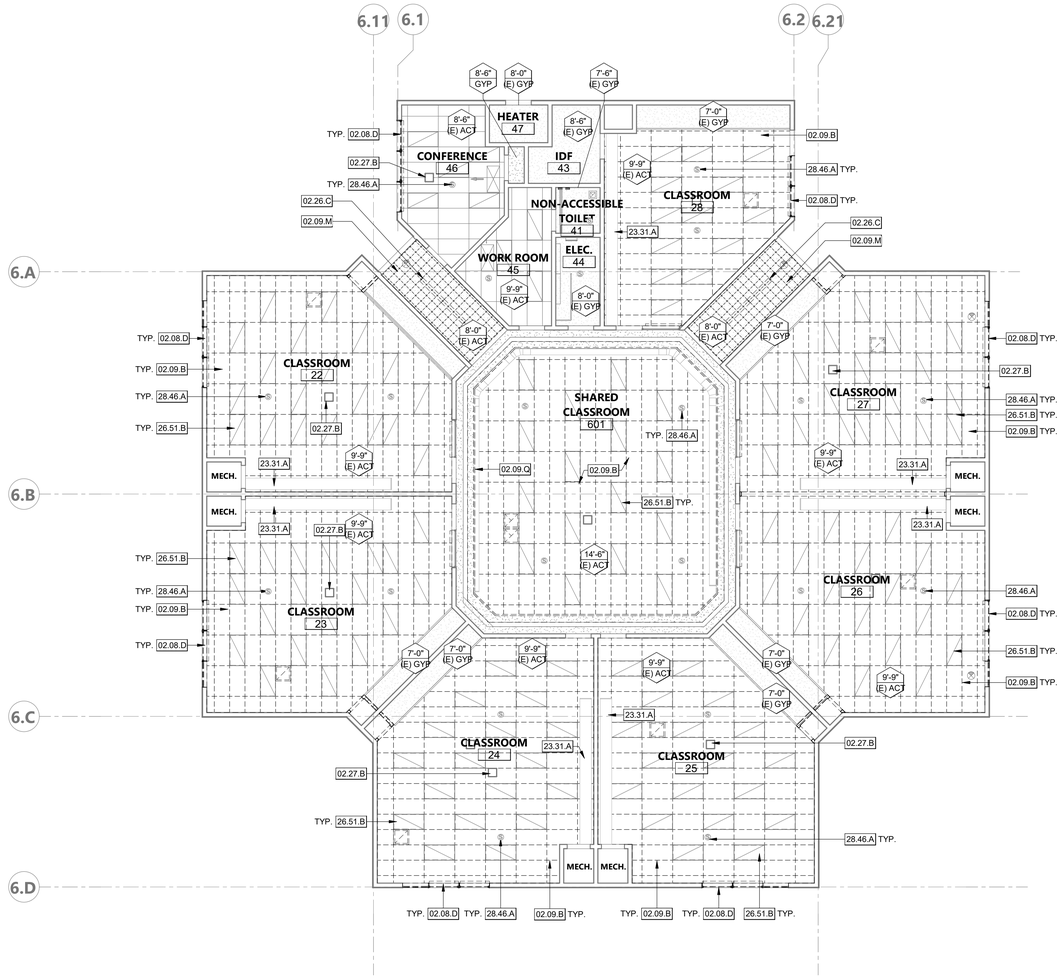


PROJECT NORTH

BUILDING 5 DEMO RCP | 1/8" = 1'-0" | **1**



PROJECT NORTH

BUILDING 6 DEMO RCP | 1/8" = 1'-0" | **2**

KEYNOTES

02.08.C	(E) CLERESTORY WINDOW AND FRAME TO BE DEMOLISHED, PROTECT (E) OPENING AND PREPARE FOR NEW WINDOW
02.08.D	(E) WINDOW AND FRAME TO BE DEMOLISHED, PROTECT (E) OPENING AND PREPARE FOR NEW WINDOW
02.09.B	(E) CEILING TILES TO BE DEMOLISHED, EXISTING GRID TO REMAIN & PREPARE TO BE PAINTED
02.09.L	(E) GLUE-UP CEILING TILES TO BE DEMOLISHED. PROTECT (E) 2x4 FURRING STRIPS, PREPARE FOR FUTURE GYP BOARD CEILING
02.09.M	(E) GLUE-UP CEILING TILES TO BE DEMOLISHED, PATCH AND REPAIR EXISTING GYP BOARD CEILING
02.09.Q	(E) WALL PANELS TO BE DEMOLISHED
02.12.D	(E) WINDOW CURTAINS AND TRACK TO BE DEMOLISHED
02.23.D	(E) EXHAUST FAN
02.26.B	(E) ELECTRICAL CONDUITS TO BE REMOVED, S.E.D.
02.26.C	(E) LIGHT FIXTURES TO BE DEMOLISHED. PATCH AND PREPARE FOR NEW LIGHT FIXTURES. S.E.D.
02.27.B	(E) WIRELESS ACCESS POINT TO BE REMOVED, SALVAGED, AND REINSTALLED
02.28.C	(E) SMOKE DETECTOR TO BE REMOVED, SALVAGED, AND REINSTALLED
23.31.A	(E) DUCTWORK TO REMAIN, PROTECT IN PLACE THROUGH CONSTRUCTION, S.M.D.
26.51.B	(E) LIGHT FIXTURE TO REMAIN, GC MAY REMOVE AND REINSTALL FOR WORK AT NEW CEILING
28.46.A	(E) SMOKE DETECTOR TO REMAIN, PROTECT IN PLACE

DEMO CEILING GENERAL NOTES

1. COORDINATE WITH ELECTRICAL, MECHANICAL, PLUMBING DRAWINGS FOR DEMOLITION WORK
2. (E) FINISHES, EQUIPMENT, CONDUITS, ETC. INDICATED TO REMAIN, SHALL BE PROTECTED DURING CONSTRUCTION.
3. AT CEILINGS TO BE REMOVED, REMOVE ALL CEILINGS, SOFFITS, RELATED SUPPORT SYSTEMS AND ACCESSORIES, AND CEILING MOUNTED ITEMS. COORDINATE WITH MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
4. PROCEED WITH CAUTION WHEN REMOVING (E) CEILING AND/OR (E) CEILING FRAMING TO AVOID DAMAGING ANY (E) UTILITIES.

LEGEND - CEILING

- 12'-0" ACT — CEILING HEIGHT ABOVE FIN. FLOOR / CEILING MATERIAL
- (E) 1X1 GLUE-UP CEILING TILES TO BE DEMOLISHED
- (E) 1X2 ACT TILES TO BE DEMOLISHED, EXISTING GRID TO REMAIN.
- (E) 12"x12" GLUEON ACOUSTICAL TILES TO REMAIN
- (E) GYP BOARD CEILING TO REMAIN
- (E) ROOF ACCESS HATCH
- (E) PENDANT LIGHT FIXTURE TO REMAIN
- (E) RETURN AIR GRILLE
- (E) SUPPLY REGISTER
- (E) EXHAUST FAN OR GRILLE TO BE REMOVED WHERE INDICATED
- (E) 2X WOOD FRAMED WALL TO BE DEMOLISHED
- (E) SMOKE, PROTECT IN PLACE
- (E) SMOKE DETECTOR TO BE REMOVED AND REINSTALLED. SEE FIRE ALARM DRAWINGS
- (E) WIRELESS ACCESS POINT TO BE REMOVED, SALVAGED, AND REINSTALLED

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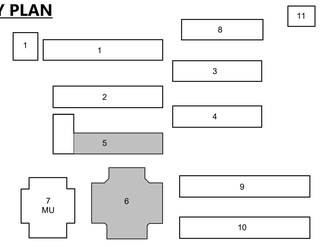
KEY PLAN



PROJECT NORTH

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SHEET TITLE

BLDG 5 & 6 - DEMOLITION REFLECTED CEILING PLAN

INCREMENT 2

DRAWN BY: Author JOB NUMBER: 23120.01

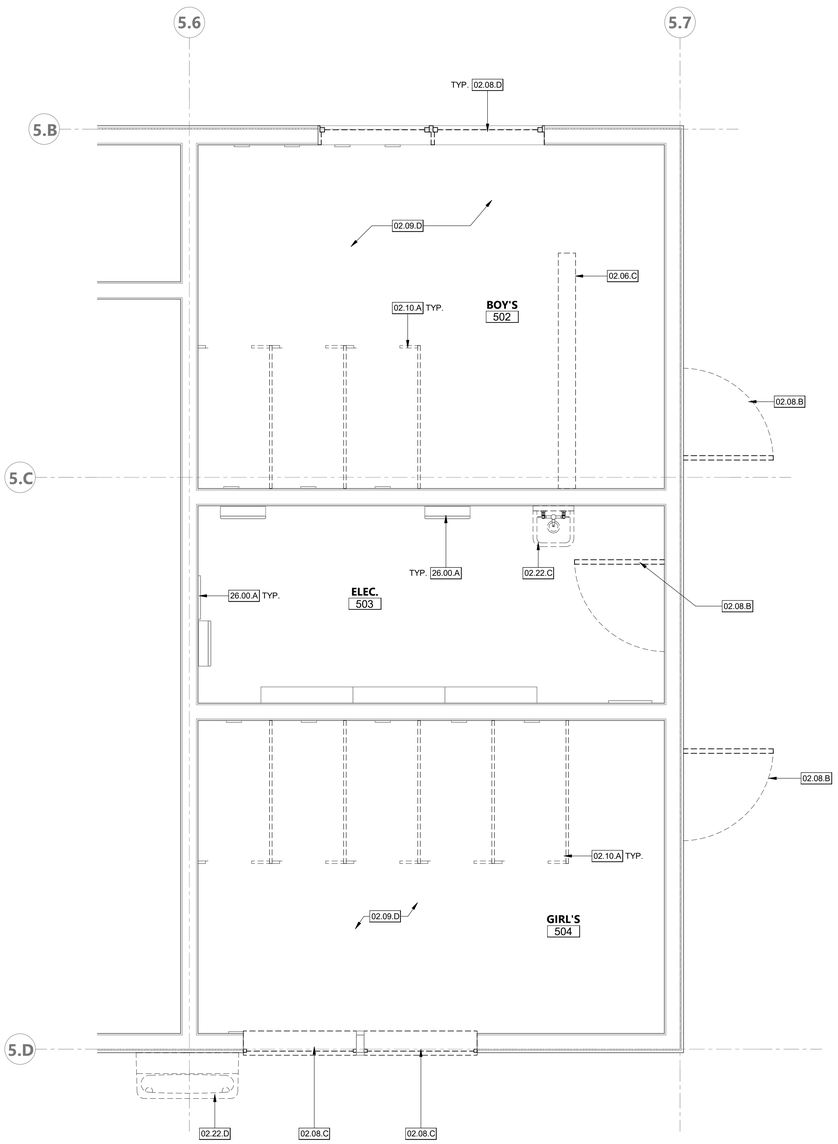
SHEET NO.

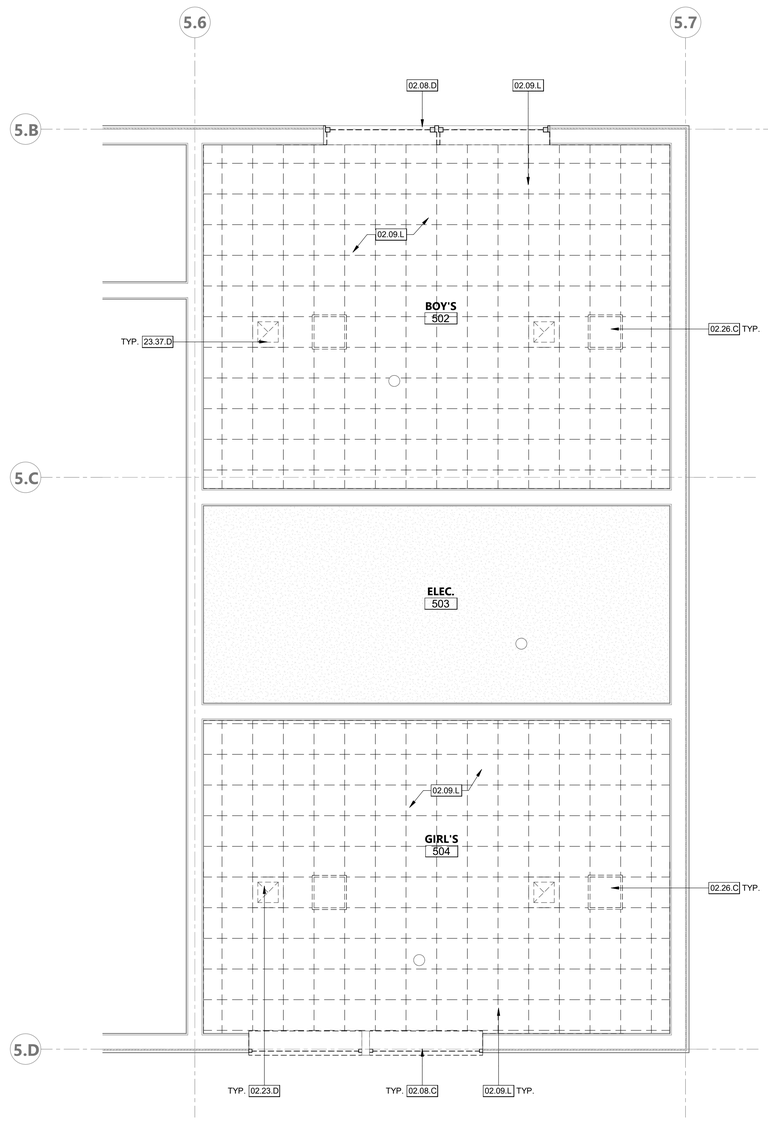
2A-027

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:09:58 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt





KEYNOTES

02.06.C	(E) PARTITION WALL AND ACCORDIAN TRACK TO BE DEMOLISHED, PATCH AND REPAIR
02.08.B	(E) DOOR TO BE DEMOLISHED, EXISTING WOOD FRAME TO REMAIN. SALVAGE PANIC HARDWARE AND RETURN TO DISTRICT. PREPARE FOR NEW DOOR. PATCH AND REPAIR LEVER AND HINGES, PAINT.
02.08.C	(E) CLERESTORY WINDOW AND FRAME TO BE DEMOLISHED, PROTECT (E) OPENING AND PREPARE FOR NEW WINDOW
02.08.D	(E) WINDOW AND FRAME TO BE DEMOLISHED, PROTECT (E) OPENING AND PREPARE FOR NEW WINDOW
02.09.D	(E) VINYL COMPOSITION TILE AND WALL BASE TO BE DEMOLISHED, PREPARE SUBSTRATE FOR NEW FLOORING
02.09.L	(E) GLUE-UP CEILING TILES TO BE DEMOLISHED. PROTECT (E) 2x4 FURRING STRIPS, PREPARE FOR FUTURE GYP BOARD CEILING
02.10.A	(E) TOILET PARTITIONS AND TOILET ACCESSORIES TO BE DEMOLISHED, PATCH AND REPAIR
02.22.C	(E) SINK AND ACCESSORIES TO BE DEMOLISHED, S.P.D.
02.22.D	(E) DRINKING FOUNTAIN TO BE DEMOLISHED, S.P.D.
02.23.D	(E) EXHAUST FAN
02.26.C	(E) LIGHT FIXTURES TO BE DEMOLISHED. PATCH AND PREPARE FOR NEW LIGHT FIXTURES. S.E.D.
23.37.D	EXHAUST HOOD PER MECHANICAL DRAWINGS
26.00.A	(E) ELECTRICAL EQUIPMENT TO REMAIN, PROTECT IN PLACE

DEMO CEILING GENERAL NOTES

1. COORDINATE WITH ELECTRICAL, MECHANICAL, PLUMBING DRAWINGS FOR DEMOLITION WORK
2. (E) FINISHES, EQUIPMENT, CONDUITS, ETC. INDICATED TO REMAIN, SHALL BE PROTECTED DURING CONSTRUCTION.
3. AT CEILINGS TO BE REMOVED, REMOVE ALL CEILINGS, SOFFITS, RELATED SUPPORT SYSTEMS AND ACCESSORIES, AND CEILING MOUNTED ITEMS. COORDINATE WITH MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
4. PROCEED WITH CAUTION WHEN REMOVING (E) CEILING AND/OR (E) CEILING FRAMING TO AVOID DAMAGING ANY (E) UTILITIES.

LEGEND - DEMO GENERAL NOTES

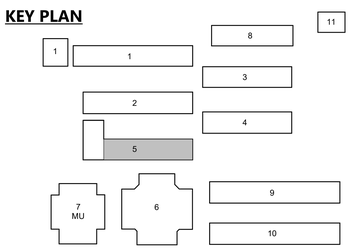
1. IN ACCORDANCE WITH PERTINENT ITEMS OF THESE NOTES AND THOSE ITEMS SO INDICATED ON THE DRAWINGS "CAREFULLY" DEMOLISH AND REMOVE FROM THE JOB SITE THOSE ITEMS SCHEDULED TO BE SO DEMOLISHED AND REMOVED.
2. SEE SPECIFICATION SECTION 02 41 19 FOR MORE DEMOLITION NOTES, REQUIREMENTS, AND PROCEDURES.
3. **REFER TO MECHANICAL, PLUMBING, ELECTRICAL, FIRE ALARM AND TECHNOLOGY DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.**
4. KEYNOTED ELEMENTS SCHEDULED FOR DEMOLITION ARE NOTED FOR CLARIFICATION ONLY. SEE DEMOLITION PLAN LEGEND FOR ADDITIONAL DEMOLITION REQUIREMENTS. USE ADEQUATE NUMBERS OF SKILLED WORKMAN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.
5. SURFACE CONDITIONS: EXAMINE THE AREAS AND CONDITIONS UNDER WHICH WORK WILL BE PERFORMED. CORRECT CONDITIONS DETRIMENTAL TO TIMELY AND PROPER COMPLETION OF THE WORK. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS ARE CORRECTED.
6. DEMOLITION: BY CAREFUL STUDY OF THE DRAWINGS, DETERMINE THE LOCATION AND EXTENT OF SELECTIVE DEMOLITION REQUIRED.
7. VISIT THE SITE AND VERIFY THE EXTENT AND LOCATION OF SELECTIVE DEMOLITION REQUIRED.
8. CAREFULLY IDENTIFY LIMITS OF SELECTIVE DEMOLITION.
9. MARK INTERFACE SURFACES AS REQUIRED TO ENABLE WORKMAN ALSO TO IDENTIFY ITEMS TO BE REMOVED AND ITEMS TO BE LEFT IN PLACE INTACT.
10. PREPARE AND FOLLOW AN ORGANIZED PLAN FOR DEMOLITION AND REMOVAL OF ITEMS.
11. COMPLETELY REMOVE ITEMS SCHEDULED TO BE SO DEMOLISHED AND REMOVED, LEAVING SURFACES CLEAN, SOLID, AND READY TO RECEIVE NEW MATERIALS SPECIFIED ELSEWHERE.
12. SALVAGE: AFTER CAREFUL REVIEW OF THE DRAWINGS SHOWING PROPOSED NEW CONSTRUCTION, IDENTIFY THOSE ITEMS THAT ARE GOOD CANDIDATES FOR RE-USE AND CAREFULLY REMOVE AND STOCKPILE THEM ON SITE IN A PROTECTED AREA.
13. DEMOLISHED MATERIALS SHALL BE CONSIDERED TO BE PROPERTY OF THE CONTRACTOR AND SHALL BE COMPLETELY REMOVED FROM THE JOB SITE, UNLESS OTHERWISE DIRECTED BY THE DISTRICT.
14. REPLACEMENTS: IN THE EVENT OF DEMOLITION OF ITEMS NOT SO SCHEDULED TO BE DEMOLISHED, PROMPTLY REPLACE SUCH ITEMS TO THE APPROVAL OF THE ARCHITECT AND AT NO ADDITIONAL COST TO THE OWNER.
15. SEE ASBESTOS & LEAD IN PAINT SURVEY REPORT FOR MT DIABLO ELEMENTARY SHOOL PROVIDED BY ENVIRO-S.T.A.R. FOR REQUIRED ABATEMENT. BASED ON THE REPORT PROVIDED, MATERIALS IDENTIFIED FOR REMOVAL WILL BE REMOVED BY AN ABATEMENT CONTRACTOR PROPERLY LICENSED AND REGISTERED TO DO ASBESTOS & LEAD ABATEMENT
16. TERMINATE ALL ELECTRICAL CONDUITS CONTAINED IN WALLS TO BE DEMOLISHED PER N.E.C. 2023. CONDUITS FEEDING DEMOLISHED AREAS, BUT CONTAINED WITHIN CONSTRUCTION TO REMAIN MAY BE ABANDONED IN PLACE.
17. ALL ITEMS INDICATED FOR DEMOLITION ON THIS SHEET ARE CONSIDERED TO BE NON-STRUCTURAL. DURING DEMOLITION, EVIDENCE MAY BECOME APPARENT OF A LOAD-BEARING ITEM WHICH IS SHOWN TO BE DEMOLISHED. CONTRACTOR SHALL NOT REMOVE ANY ITEMS WHICH SHOW EVIDENCE OF CARRYING ROOF LOADS, CEILING JOIST LOADS, NOR WALLS WHICH ARE SHEATHED WITH PLYWOOD WITHOUT PRIOR APPROVAL OF THE ARCHITECT EVEN IF SUCH ITEMS ARE SHOWN TO BE DEMOLISHED HEREIN.
18. SEE PLASTER DEMOLITION & REPAIR NOTES ON 2A-911 PRIOR TO DEMOLITION OF PLASTER ASSEMBLIES

LEGEND - DEMOLITION

(E) WALL TO BE DEMOLISHED

(E) TO BE DEMOLISHED

KEY PLAN



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PROFESSIONAL STAMP



REVISIONS

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 5 - ENLARGED DEMO PLAN

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

SHEET NO.

2A-028

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DEMO ENLARGED PLAN BUILDING 5 RR | 1/2" = 1'-0" | 1

DEMO ENLARGED RCP BUILDING 5 RR | 1/2" = 1'-0" | 2

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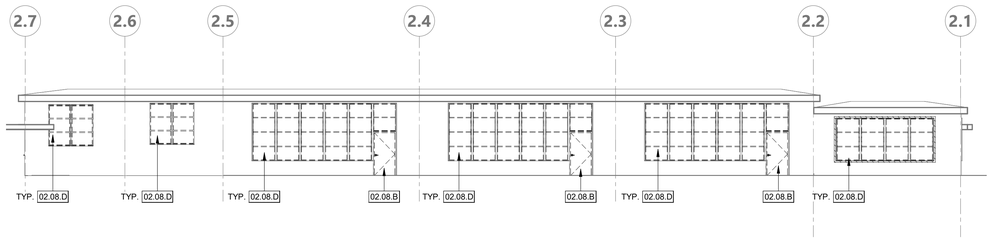

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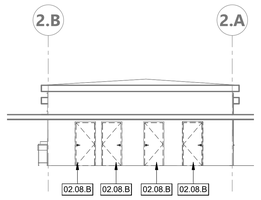

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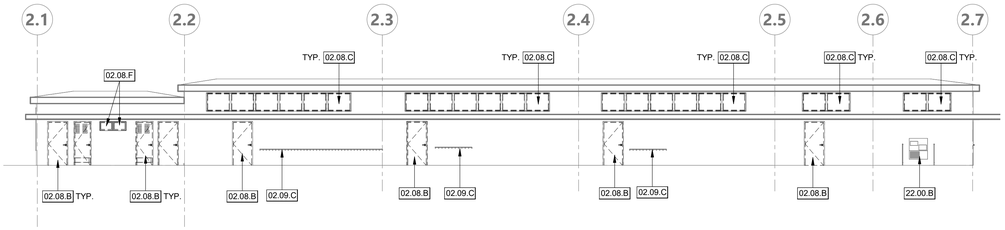

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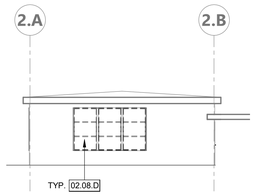

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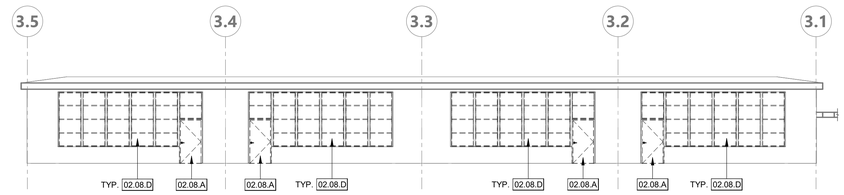
BUILDING 2 - EXTERIOR ELEVATIONS | 1" = 10'-0" | **1**



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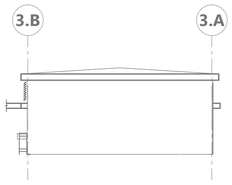

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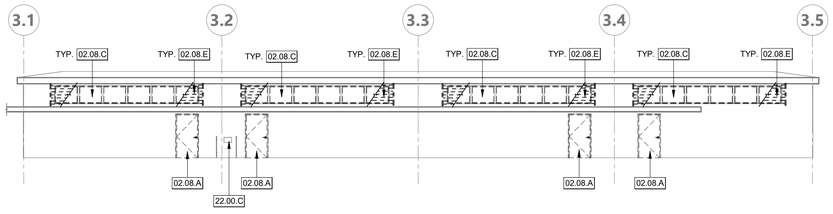

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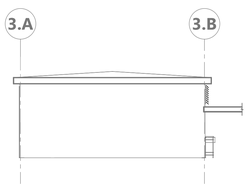

2W

BUILDING 3 - EXTERIOR ELEVATIONS | 1" = 10'-0" | **2**

KEYNOTES

02.08.A	(E) DOOR TO BE DEMOLISHED, EXISTING HM FRAME TO REMAIN. SALVAGE PANIC HARDWARE AND RETURN TO DISTRICT. PREPARE FOR NEW DOOR
02.08.B	(E) DOOR TO BE DEMOLISHED, EXISTING WOOD FRAME TO REMAIN. SALVAGE PANIC HARDWARE AND RETURN TO DISTRICT. PREPARE FOR NEW DOOR. PATCH AND REPAIR LEVER AND HINGES, PAINT.
02.08.C	(E) CLERESTORY WINDOW AND FRAME TO BE DEMOLISHED, PROTECT (E) OPENING AND PREPARE FOR NEW WINDOW
02.08.D	(E) WINDOW AND FRAME TO BE DEMOLISHED, PROTECT (E) OPENING AND PREPARE FOR NEW WINDOW
02.08.E	(E) EXTERIOR LOUVERS TO BE DEMOLISHED. PATCH, REPAIR, AND PREPARE FOR NEW PAINT
02.08.F	(E) WINDOW AND WINDOW SCREEN TO BE DEMOLISHED
02.09.C	(E) BAG HOOKS TO BE REMOVED AND REINSTALLED AFTER PAINTING, TYP.
22.00.B	(E) HI-LOW DRINKING FOUNTAIN TO REMAIN, PROTECT IN PLACE
22.00.C	(E) DRINKING FOUNTAIN TO REMAIN, PROTECT IN PLACE

LEGEND - DEMO GENERAL NOTES

1. IN ACCORDANCE WITH PERTINENT ITEMS OF THESE NOTES AND THOSE ITEMS SO INDICATED ON THE DRAWINGS "CAREFULLY" DEMOLISH AND REMOVE FROM THE JOB SITE THOSE ITEMS SCHEDULED TO BE SO DEMOLISHED AND REMOVED.
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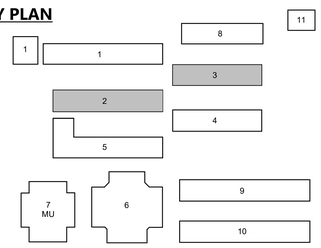
18. SEE PLASTER DEMOLITION & REPAIR NOTES ON 2A-911 PRIOR TO DEMOLITION OF PLASTER ASSEMBLIES

KEY PLAN



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196

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Carmichael, CA 95608
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PROFESSIONAL STAMP



REVISIONS

NO.	DATE	DESCRIPTION

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1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 2 & 3 - DEMO EXTERIOR ELEVATIONS

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

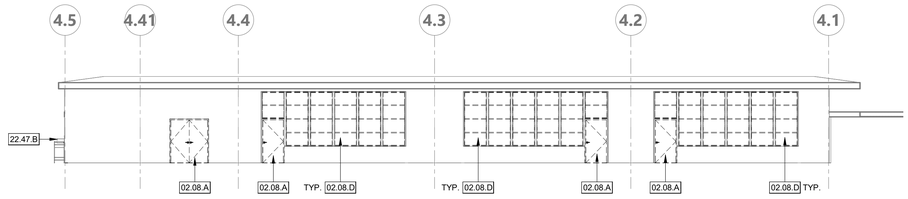
SHEET NO.

2A-031

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:10:03 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt



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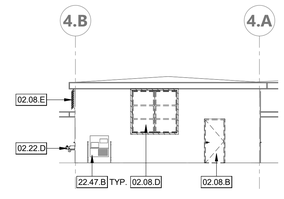

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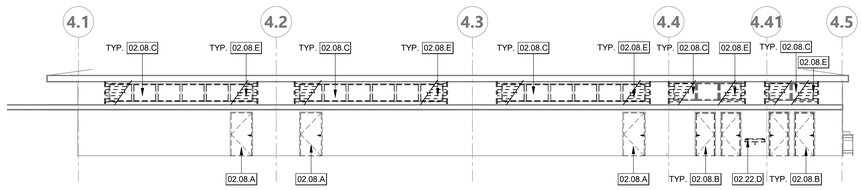

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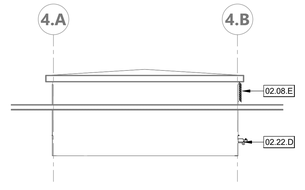

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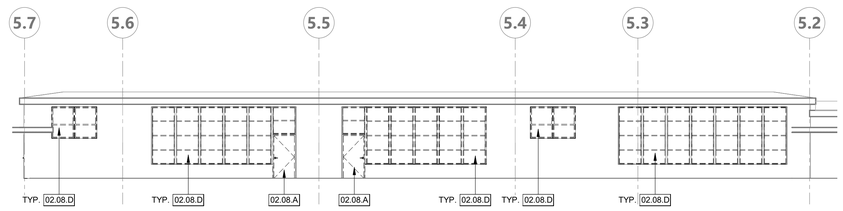
BUILDING 4 - EXTERIOR ELEVATIONS | 1" = 10'-0" | **1**



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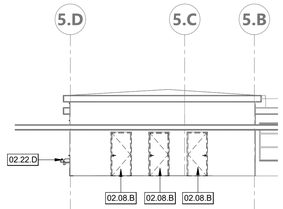

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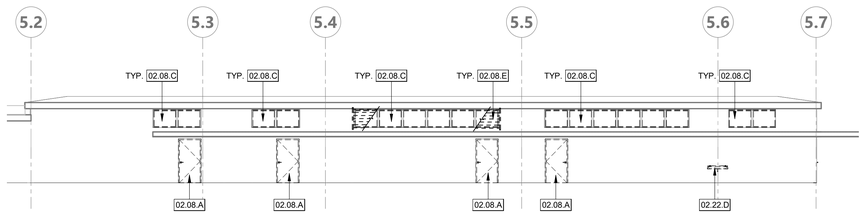

2S

BUILDING 5 - EXTERIOR ELEVATIONS | 1" = 10'-0" | **2**

KEYNOTES

02.08.A	(E) DOOR TO BE DEMOLISHED, EXISTING HM FRAME TO REMAIN. SALVAGE PANIC HARDWARE AND RETURN TO DISTRICT. PREPARE FOR NEW DOOR
02.08.B	(E) DOOR TO BE DEMOLISHED, EXISTING WOOD FRAME TO REMAIN. SALVAGE PANIC HARDWARE AND RETURN TO DISTRICT. PREPARE FOR NEW DOOR. PATCH AND REPAIR LEVER AND HINGES, PAINT.
02.08.C	(E) CLERESTORY WINDOW AND FRAME TO BE DEMOLISHED, PROTECT (E) OPENING AND PREPARE FOR NEW WINDOW
02.08.D	(E) WINDOW AND FRAME TO BE DEMOLISHED, PROTECT (E) OPENING AND PREPARE FOR NEW WINDOW
02.08.E	(E) EXTERIOR LOUVERS TO BE DEMOLISHED. PATCH, REPAIR, AND PREPARE FOR NEW PAINT
02.22.D	(E) DRINKING FOUNTAIN TO BE DEMOLISHED, S.P.D.
22.47.B	(E) HI-LOW DRINKING FOUNTAIN, SEE 19/2G-900

LEGEND - DEMO GENERAL NOTES

1. IN ACCORDANCE WITH PERTINENT ITEMS OF THESE NOTES AND THOSE ITEMS SO INDICATED ON THE DRAWINGS "CAREFULLY" DEMOLISH AND REMOVE FROM THE JOB SITE THOSE ITEMS SCHEDULED TO BE SO DEMOLISHED AND REMOVED.
2. SEE SPECIFICATION SECTION 02 41 19 FOR MORE DEMOLITION NOTES, REQUIREMENTS, AND PROCEDURES.
3. **REFER TO MECHANICAL, PLUMBING, ELECTRICAL, FIRE ALARM AND TECHNOLOGY DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.**
4. KEYNOTED ELEMENTS SCHEDULED FOR DEMOLITION ARE NOTED FOR CLARIFICATION ONLY. SEE DEMOLITION PLAN LEGEND FOR ADDITIONAL DEMOLITION REQUIREMENTS.
   USE ADEQUATE NUMBERS OF SKILLED WORKMAN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.
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7. VISIT THE SITE AND VERIFY THE EXTENT AND LOCATION OF SELECTIVE DEMOLITION REQUIRED.
8. CAREFULLY IDENTIFY LIMITS OF SELECTIVE DEMOLITION.
9. MARK INTERFACE SURFACES AS REQUIRED TO ENABLE WORKMAN ALSO TO IDENTIFY ITEMS TO BE REMOVED AND ITEMS TO BE LEFT IN PLACE INTACT.
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13. DEMOLISHED MATERIALS SHALL BE CONSIDERED TO BE PROPERTY OF THE CONTRACTOR AND SHALL BE COMPLETELY REMOVED FROM THE JOB SITE, UNLESS OTHERWISE DIRECTED BY THE DISTRICT.
14. REPLACEMENTS: IN THE EVENT OF DEMOLITION OF ITEMS NOT SO SCHEDULED TO BE DEMOLISHED, PROMPTLY REPLACE SUCH ITEMS TO THE APPROVAL OF THE ARCHITECT AND AT NO ADDITIONAL COST TO THE OWNER.
15. SEE ASBESTOS & LEAD IN PAINT SURVEY REPORT FOR MT DIABLO ELEMENTARY SHOOL PROVIDED BY ENVIRO-S.T.A.R. FOR REQUIRED ABATEMENT. BASED ON THE REPORT PROVIDED, MATERIALS IDENTIFIED FOR REMOVAL WILL BE REMOVED BY AN ABATEMENT CONTRACTOR PROPERLY LICENSED AND REGISTERED TO DO ASBESTOS & LEAD ABATEMENT
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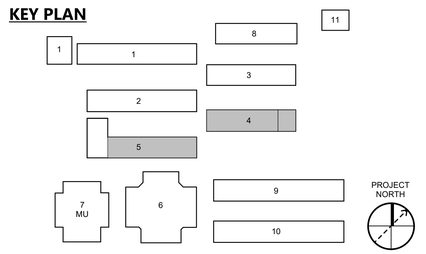
18. SEE PLASTER DEMOLITION & REPAIR NOTES ON 2A-911 PRIOR TO DEMOLITION OF PLASTER ASSEMBLIES

KEY PLAN



AGENCY APPROVAL DSA# 01-121407

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PROFESSIONAL STAMP



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5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 4 & 5 - DEMO EXTERIOR ELEVATIONS

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

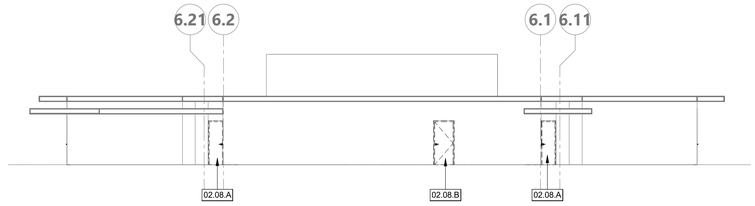
SHEET NO.

2A-032

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:10:07 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt



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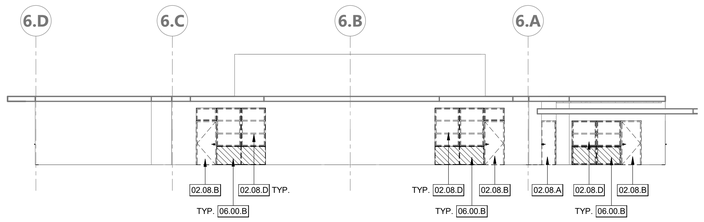

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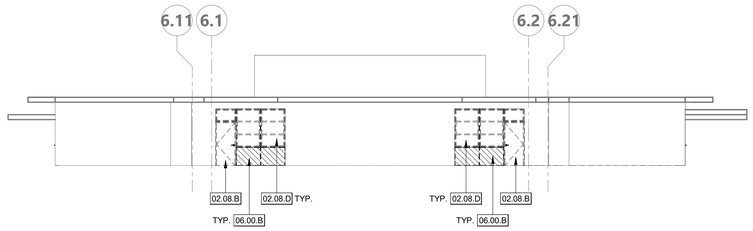

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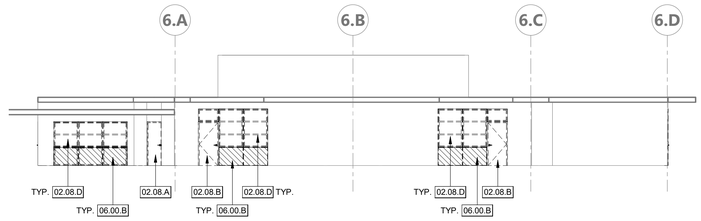


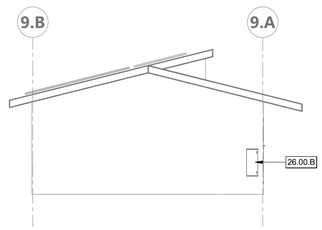
1W

BUILDING 6 - EXTERIOR ELEVATIONS

1" = 10'-0" | 1



2N



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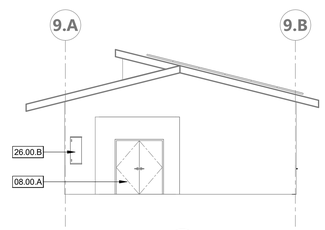

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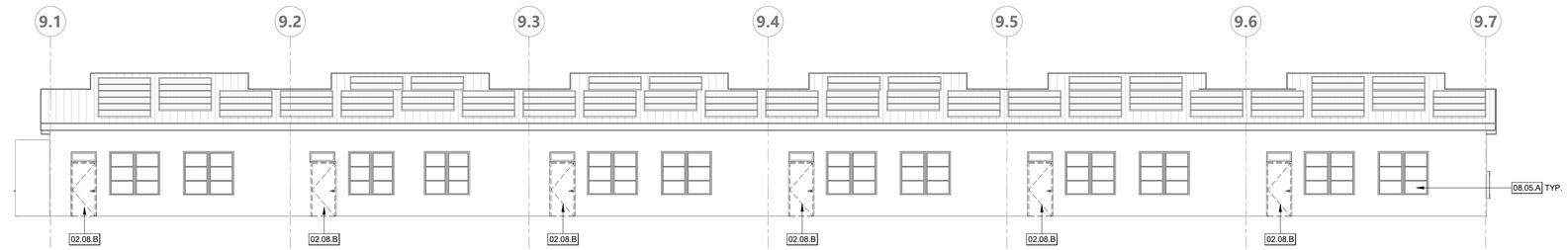

2S

BUILDING 9 - EXTERIOR ELEVATIONS

1" = 10'-0" | 2

KEYNOTES

02.08.A	(E) DOOR TO BE DEMOLISHED, EXISTING HM FRAME TO REMAIN. SALVAGE PANIC HARDWARE AND RETURN TO DISTRICT. PREPARE FOR NEW DOOR
02.08.B	(E) DOOR TO BE DEMOLISHED, EXISTING WOOD FRAME TO REMAIN. SALVAGE PANIC HARDWARE AND RETURN TO DISTRICT. PREPARE FOR NEW DOOR. PATCH AND REPAIR LEVER AND HINGES, PAINT.
02.08.D	(E) WINDOW AND FRAME TO BE DEMOLISHED, PROTECT (E) OPENING AND PREPARE FOR NEW WINDOW
06.00.B	INFILL (E) WINDOWS, SEE 8/2S-801
08.00.A	(E) DOOR TO REMAIN, PROTECT IN PLACE
08.05.A	(E) FIXED WINDOW TO REMAIN. PROTECT IN PLACE.
26.00.B	(E) ELECTRICAL PANEL, PROTECT IN PLACE, S.E.D.

LEGEND - DEMO GENERAL NOTES

1. IN ACCORDANCE WITH PERTINENT ITEMS OF THESE NOTES AND THOSE ITEMS SO INDICATED ON THE DRAWINGS "CAREFULLY" DEMOLISH AND REMOVE FROM THE JOB SITE THOSE ITEMS SCHEDULED TO BE SO DEMOLISHED AND REMOVED.
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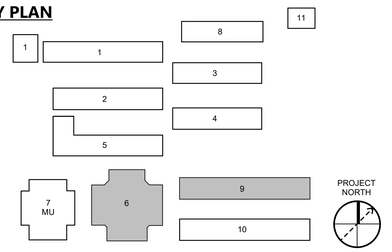
KEY PLAN



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ARIANA ALVAREZ PARK
C-36103
REN. 01-31-25
STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION

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5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 7 & 9 - DEMO EXTERIOR ELEVATIONS

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

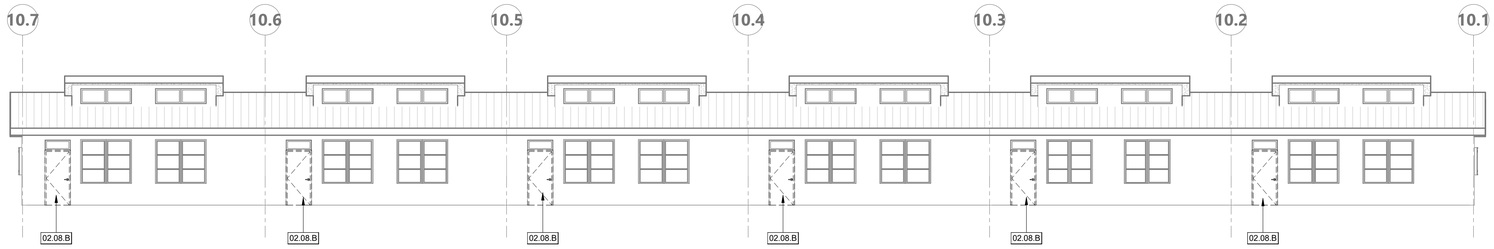
SHEET NO.

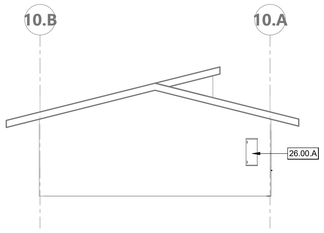
2A-033

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:10:12 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt





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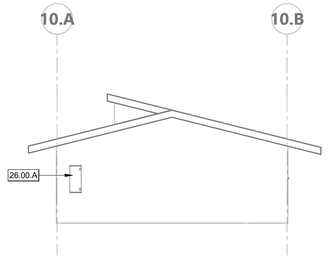

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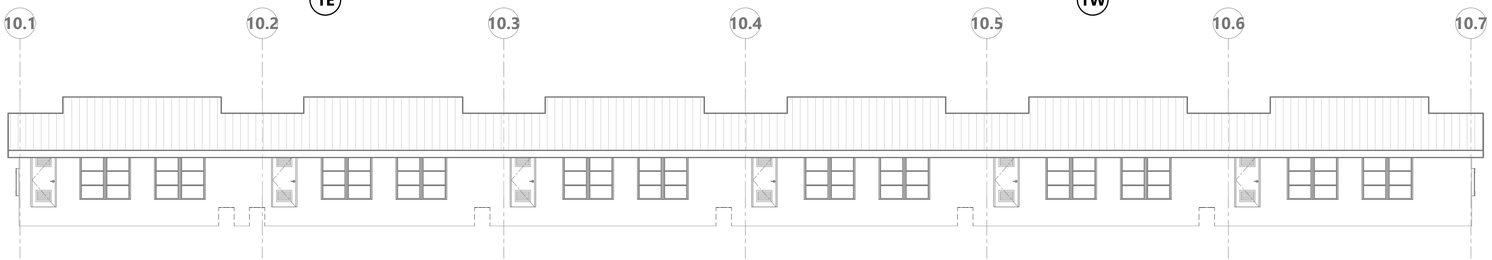

1S

BUILDING 10 - EXTERIOR ELEVATIONS

1" = 10'-0" | 1

KEYNOTES

02.08.B	(E) DOOR TO BE DEMOLISHED, EXISTING WOOD FRAME TO REMAIN. SALVAGE PANIC HARDWARE AND RETURN TO DISTRICT. PREPARE FOR NEW DOOR. PATCH AND REPAIR LEVER AND HINGES, PAINT.
26.00.A	(E) ELECTRICAL EQUIPMENT TO REMAIN, PROTECT IN PLACE

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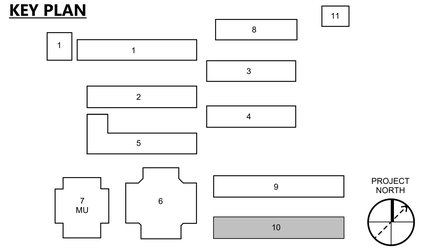

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PROFESSIONAL STAMP

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SHEET TITLE

BLDG 10 - DEMO EXTERIOR ELEVATIONS

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

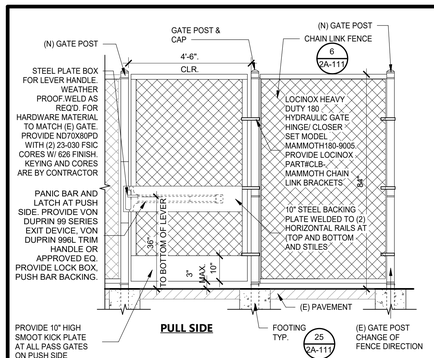
SHEET NO.

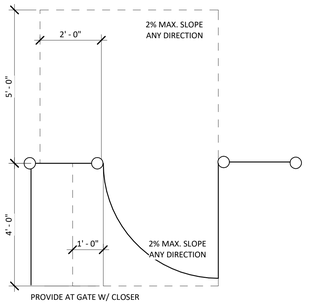
2A-034

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:10:15 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt





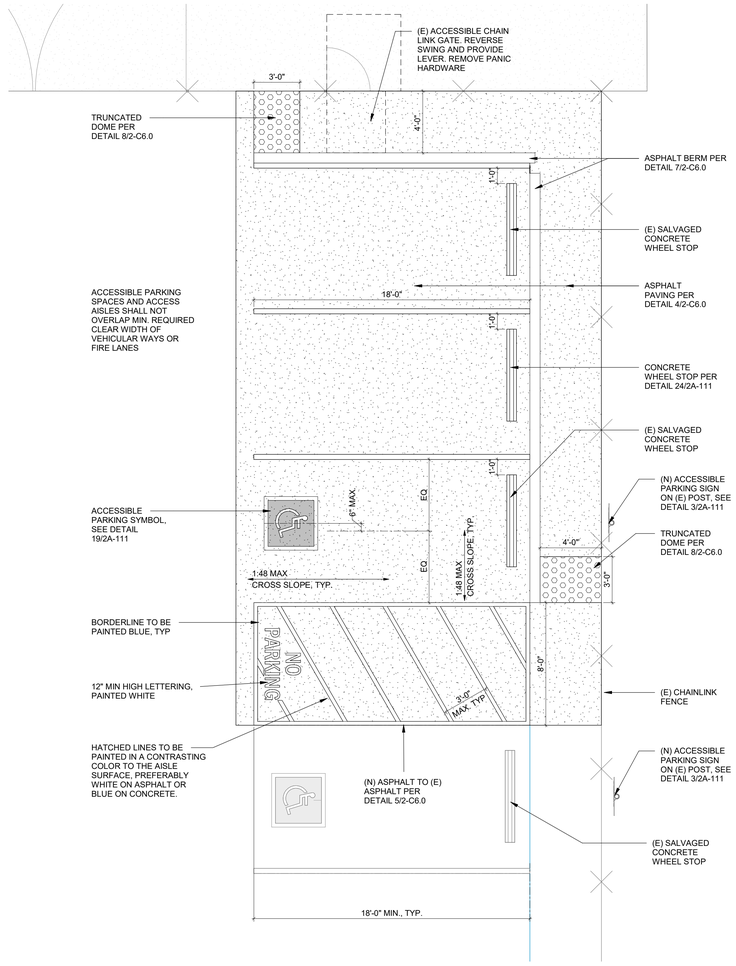
NOTE:
- NOTE THAT ANY CAVITIES CREATED BY ADDING THE KICK PLATE NEED TO BE CAPPED PER 11B-404.2.10.

- ALL GATES AND FENCES TO BE HOT DIPPED GALVENIZED.

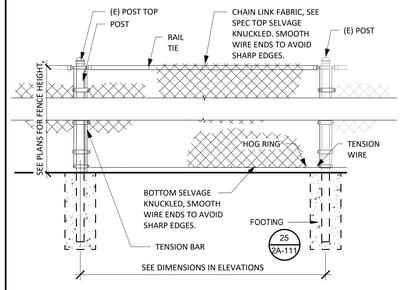
SINGLE SWING GATES	
FENCE POSTS	PANEL HEIGHT
2-1/2" X 12 GA.	UP TO & INCLUDING 6' HEIGHT
3" X 12 GA.	OVER 6' UP TO & INCLUDING 8' HEIGHT
GATE LEAF	OVER 6' UP TO & INCLUDING 8'
UP TO 4'	3" X 12 GA.
4'1" TO 6'	4" X 11 GA.
6'1" TO 8'	6" X 3/16" GA.

21.12.14 - 00000

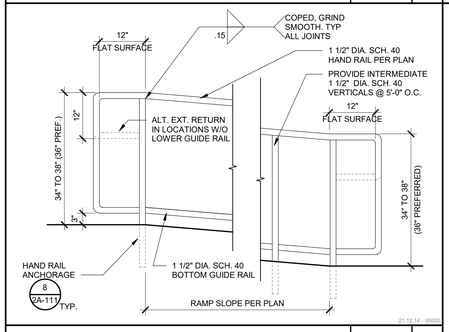
CHAIN LINK GATE | 1/2" = 1'-0" | 23



ENLARGED PARKING LOT PLAN | 1/4" = 1'-0" | 17

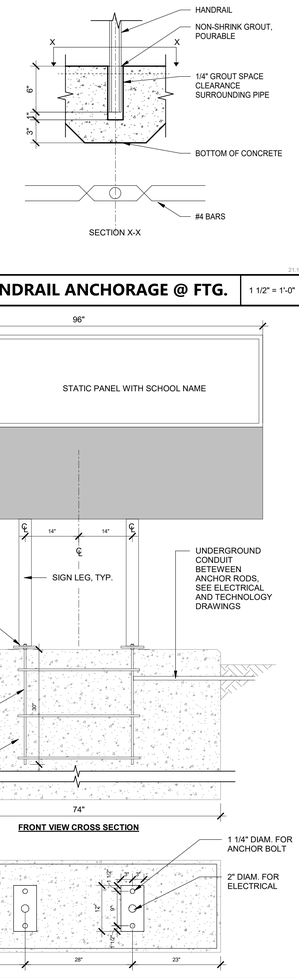


TYP. CHAINLINK FENCE ELEVATION | 1/2" = 1'-0" | 6



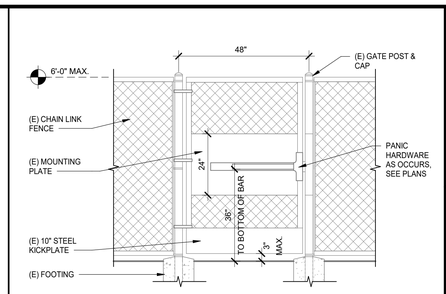
21.12.14 - 00000

HANDRAIL @ RAMP | 3/4" = 1'-0" | 7

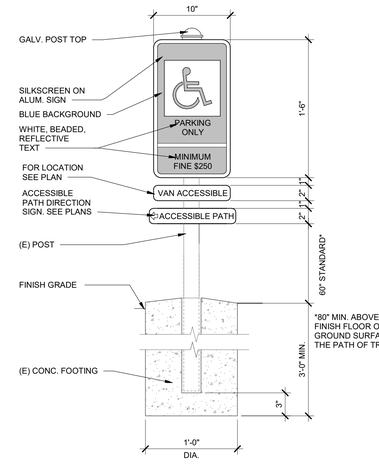


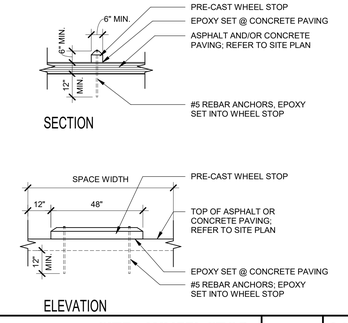
21.12.14 - 00000

HANDRAIL ANCHORAGE @ FTG. | 1 1/2" = 1'-0" | 8

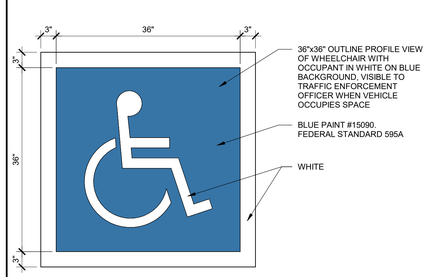


EXISTING ACCESSIBLE GATE | 1/2" = 1'-0" | 1

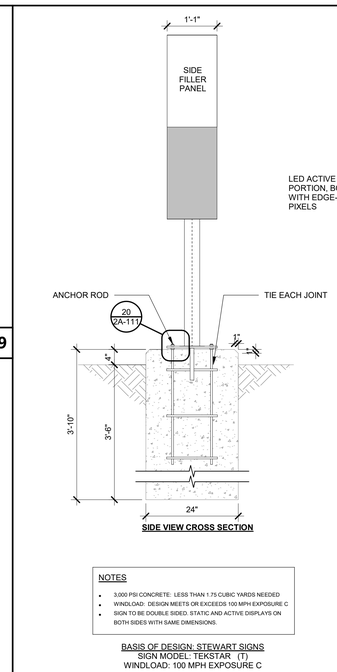




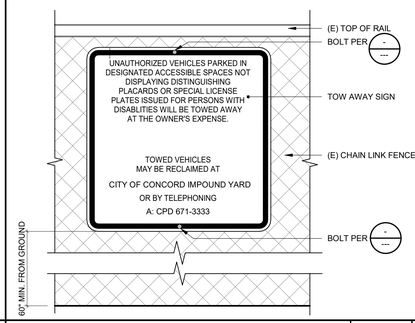
SITE - WHEEL STOP | 3/8" = 1'-0" | 24



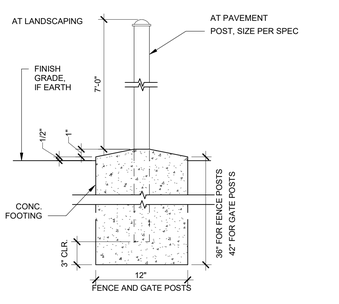
ACCESSIBLE PARKING SYMBOL | 1" = 1'-0" | 19



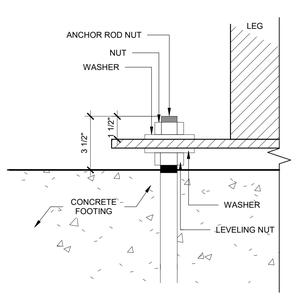
ELECTRONIC MARQUEE SIGN | 3/4" = 1'-0" | 10



FENCE MOUNTED TOW AWAY SIGN | 1 1/2" = 1'-0" | 5



FENCE POST FOOTING | 1 1/2" = 1'-0" | 25



MARQUEE ANCHOR ROD DETAIL | 3" = 1'-0" | 20

AGENCY APPROVAL DSA# 01-121407

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5433 El Camino Ave. Suite 5
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TEL (916) 359-4000

PROFESSIONAL STAMP

LICENSED ARCHITECT — MANUEL ALVAREZ-RAMOS — C-36100 — REN 01-31-25 — STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE
MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
SITE DETAILS

INCREMENT 2

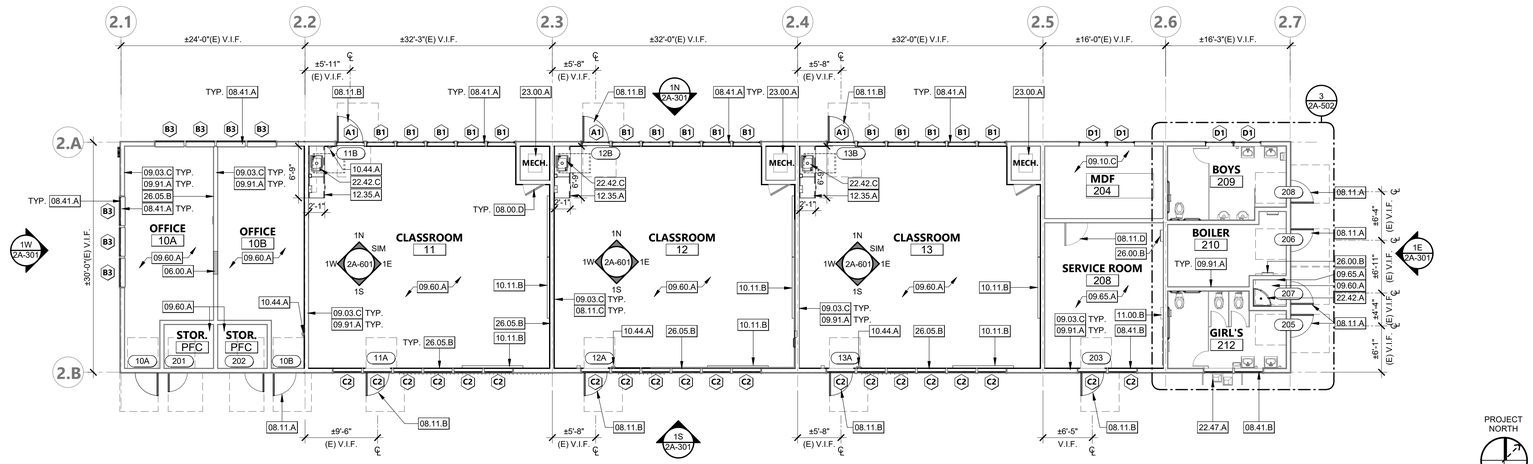
DRAWN BY: MP JOB NUMBER: 23120.01

SHEET NO.
2A-111

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:10:17 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt



BUILDING 2 FLOOR PLAN | 1/8" = 1'-0" | 1

BUILDING 3 FLOOR PLAN | 1/8" = 1'-0" | 2

BUILDING 4 FLOOR PLAN | 1/8" = 1'-0" | 3

KEYNOTES

06.00.A	INFILL (E) WALL, SEE 8/2S-801
08.00.D	(E) MECHANICAL CLOSED ACCESS PANEL AND LOUVER, TO BE PAINTED
08.11.A	(N) EXTERIOR FRP FLUSH DOOR INSTALLED IN EXISTING WOOD FRAME, SEE 6 & 12/2A-821
08.11.B	(N) EXTERIOR FRP FLUSH DOOR INSTALLED IN EXISTING METAL FRAME, SEE 7 & 9/2A-821
08.11.C	(N) WOOD DOOR AND FRAME, SEE DOOR SCHEDULE AND 2A-821
08.11.D	(E) DOOR AND FRAME TO BE PAINTED AND RECEIVE (N) DOOR HARDWARE, SEE 2A-801
08.41.A	(N) ALUMINUM STOREFRONT WINDOW, SEE DETAILS 16, 19, & 20/2A-821
08.41.B	(N) ALUMINUM CLERESTORY WINDOW, SEE DETAILS 16, 19, & 20/2A-821
09.03.C	APPLY SKIM COAT TO (E) SURFACES WHERE TACKABLE, CASEWORK, AND OTHER ITEMS ATTACHED TO THE WALLS THAT HAVE BEEN DEMOLISHED TO ENSURE A CLEAN AND SMOOTH SURFACE FOR INTERIOR PAINTING
09.10.C	PROTECT (E) FLOORING IN PLACE
09.60.A	(N) LUXURY VINYL TILE FLOORING AND WALL BASE THROUGHOUT, SEE FINISH SCHEDULE FOR FLOORING INFORMATION
09.65.A	(N) EPOXY FLOORING (RESINOUS FLOORING) AND BASE THROUGHOUT, REFER TO FINISH SCHEDULE
09.91.A	PAINT ALL INTERIOR SURFACES, PATCH AS NEEDED
10.11.B	(N) WALL MOUNTED 4'X8' WHITEBOARDS; (3) TOTAL PER CLASSROOM. SEE DETAIL 6/2A-921
10.44.A	(E) FIRE EXTINGUISHER TO BE REMOVED AND REINSTALLED
11.00.B	(E) FIRE ALARM PANEL TO REMAIN, PROTECT IN PLACE
12.35.A	(N) PLASTIC LAMINATED FACED ARCHITECTURAL CABINETS, SEE 2A-931
22.42.A	MOP SINK, S.P.D.
22.42.C	(N) ACCESSIBLE LAVATORY, S.P.D.
22.47.A	(E) HI-LOW DRINKING FOUNTAIN WITH HYDRATION STATION, SEE 25/2G-900
22.47.B	(E) HI-LOW DRINKING FOUNTAIN, SEE 19/2G-900
23.00.A	(E) AIR HANDLING UNIT TO REMAIN, S.M.D.
26.00.B	(E) ELECTRICAL PANEL, PROTECT IN PLACE, S.E.D.
26.05.B	(N) WIRE-MOLDING, S.E.D. & S.TI.D.

LEGEND - FLOOR PLAN GENERAL NOTES

1. ALL INTERIOR CONSTRUCTION ON THIS PROJECT IS DESIGNATED "AIRTIGHT" FOR THE PURPOSES OF SOUND ISOLATION AND NOISE CONTROL. THE REQUIREMENTS FOR AIRTIGHT CONSTRUCTION INCLUDE, BUT ARE NOT LIMITED TO, THE REQUIREMENTS DESCRIBED IN THE SPECIFICATIONS AND THE DETAILS SHOWN ON DRAWING SHEET 2A-900. ALL NECESSARY PRODUCTS AND DETAILING SHALL BE PROVIDED TO ACHIEVE AIRTIGHT/LEAKPROOF CONSTRUCTION, WHETHER OR NOT THOSE PRODUCTS, OR DETAILS, ARE SPECIFICALLY DESCRIBED OR SHOWN IN THE PROJECT DOCUMENTS.
2. FURNITURE N.I.C.
3. ALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD OR CENTERLINE OF COLUMN.
4. ALL EXPOSED STEEL TO BE GALVANIZED AND PAINTED.
5. ALL EXPOSED PIPES, STRUCTURE, AND CONDUIT TO BE PAINTED.
6. FOR WALL TYPES SEE SHEET 2A-911.
7. SEE 2A-251, 2A-252 AND 2A-253 FOR SIGNAGE LOCATION AND DETAILS.

LEGEND - FLOOR PLAN

ROOM NAME — ROOM NAME
101 — ROOM NUMBER
150 SF — ROOM AREA
AP — WALL TYPE TAG (1 / 2A-911)
101AA — DOOR TYPE TAG
A — WINDOW TYPE TAG
RM — SIGNAGE TAG (2 / 2A-925)
(E) WALL TO REMAIN
(N) PARTITION AND INFILL WALL (2 / 2A-911)

KEY PLAN

AGENCY APPROVAL DSA# 01-121407

196
991 W HEDDING ST., SUITE 101
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PROFESSIONAL STAMP



REVISIONS

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1936 Carlotta Way
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MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 2, 3, & 4 - FLOOR PLANS

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

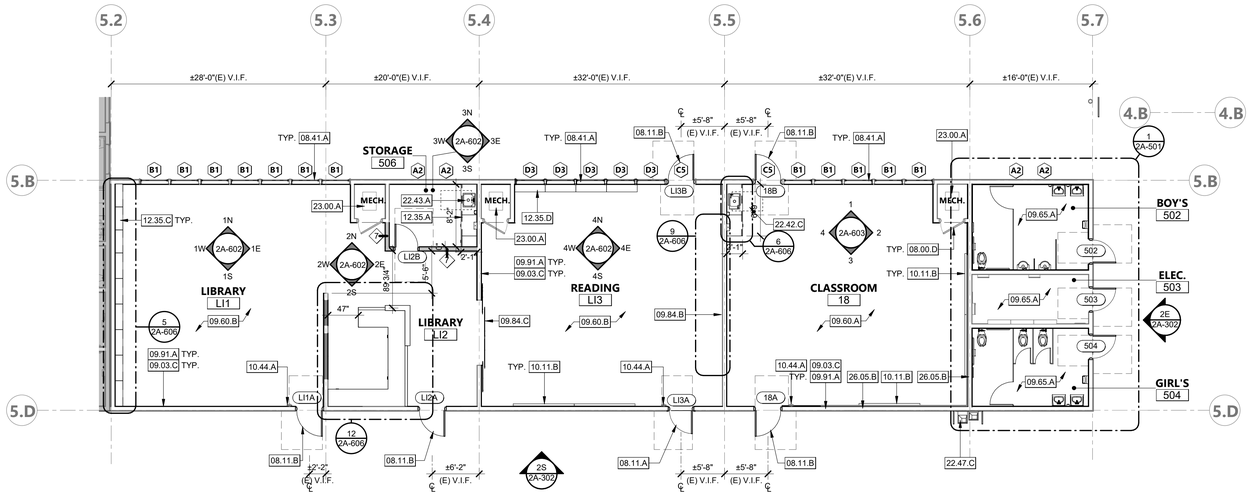
SHEET NO.

2A-201

DATE: OCTOBER 16, 2024

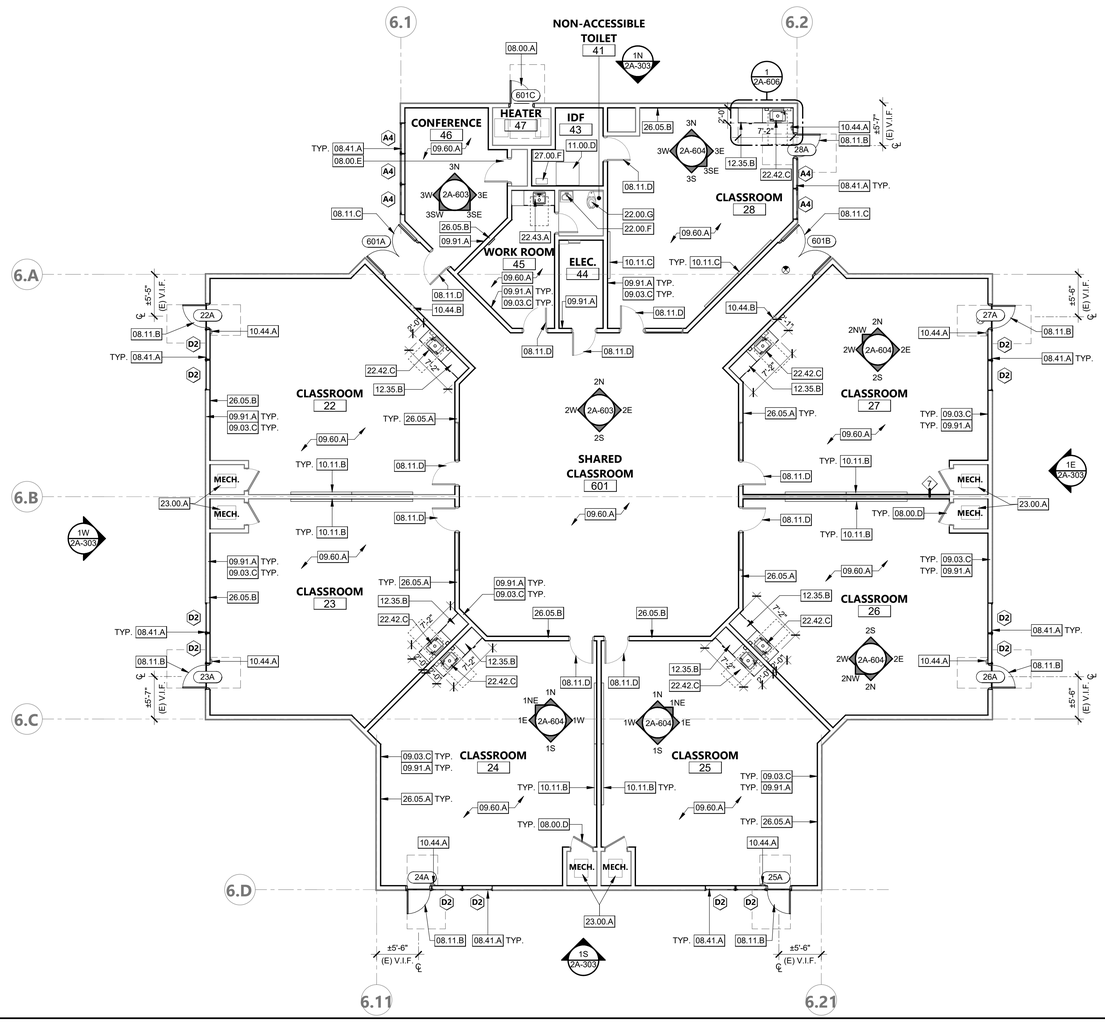
CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:10:24 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt



PROJECT NORTH

BUILDING 5 FLOOR PLAN | 1/8" = 1'-0" | 1



PROJECT NORTH

BUILDING 6 FLOOR PLAN | 1/8" = 1'-0" | 2

KEYNOTES

08.00.A	(E) DOOR TO REMAIN, PROTECT IN PLACE
08.00.D	(E) MECHANICAL CLOSED ACCESS PANEL AND LOUVER, TO BE PAINTED
08.00.E	(E) CLOSET DOOR TO REMAIN, PAINT (E) DOOR AND FRAME
08.11.A	(N) EXTERIOR FRP FLUSH DOOR INSTALLED IN EXISTING WOOD FRAME, SEE 6 & 12/2A-821
08.11.B	(N) EXTERIOR FRP FLUSH DOOR INSTALLED IN EXISTING METAL FRAME, SEE 7 & 9/2A-821
08.11.C	(N) WOOD DOOR AND FRAME, SEE DOOR SCHEDULE AND 2A-821
08.11.D	(E) DOOR AND FRAME TO BE PAINTED AND RECEIVE (N) DOOR HARDWARE, SEE 2A-801
08.41.A	(N) ALUMINUM STOREFRONT WINDOW, SEE DETAILS 16, 19, & 20/2A-821
09.03.C	APPLY SKIM COAT TO (E) SURFACES WHERE TACKABLE, CASEWORK, AND OTHER ITEMS ATTACHED TO THE WALLS THAT HAVE BEEN DEMOLISHED TO ENSURE A CLEAN AND SMOOTH SURFACE FOR INTERIOR PAINTING
09.60.A	(N) LUXURY VINYL TILE FLOORING AND WALL BASE THROUGHOUT, SEE FINISH SCHEDULE FOR FLOORING INFORMATION
09.60.B	(N) CARPET AND BASE THROUGHOUT, REFER TO FINISH SCHEDULE
09.65.A	(N) EPOXY FLOORING (RESINOUS FLOORING) AND BASE THROUGHOUT, REFER TO FINISH SCHEDULE
09.84.B	(N) DECORATIVE FELT WALL ART AND ATTACHMENTS, PER CSI
09.84.C	(N) ACOUSTIC WALL PARTITION WITH TOP TRACK HUNG FELT PANELS, SEE DETAIL 17 & 18/2A-921
09.91.A	PAINT ALL INTERIOR SURFACES, PATCH AS NEEDED
10.11.B	(N) WALL MOUNTED 4'X8' WHITEBOARDS; (3) TOTAL PER CLASSROOM. SEE DETAIL 6/2A-921
10.11.C	(E) WHITEBOARDS TO BE REINSTALLED
10.44.A	(E) FIRE EXTINGUISHER TO BE REMOVED AND REINSTALLED
10.44.B	(E) RECESSED FIRE EXTINGUISHER CABINET, PROTECT IN PLACE
11.00.D	(N) IDF, SEE TECHNOLOGY DATA DRAWINGS
12.35.A	(N) PLASTIC LAMINATED FACED ARCHITECTURAL CABINETS, SEE 2A-931
12.35.B	(N) PLASTIC LAMINATED FACED ARCHITECTURAL CABINETS, SEE DETAILS 1 & 2/2A-606
12.35.C	ADD BACKING FOR FUTURE FULL HEIGHT CASEWORK
12.35.D	ADD BACKING FOR FUTURE CASEWORK
22.00.F	(E) NON-ACCESSIBLE LAVATORY TO REMAIN, PROTECT IN PLACE
22.00.G	(E) NON-ACCESSIBLE TOILET TO REMAIN, PROTECT IN PLACE
22.42.C	(N) ACCESSIBLE LAVATORY, S.P.D.
22.43.A	(N) ACCESSIBLE SINK, SEE DETAIL 1/2A-921
22.47.C	(N) ACCESSIBLE HI-LOW DRINKING FOUNTAIN, SEE 17/2G-900
23.00.A	(E) AIR HANDLING UNIT TO REMAIN, S.M.D.
26.05.A	PROTECT AND REINSTALL EXISTING WIRE-MOLD, S.E.D.
26.05.B	(N) WIRE-MOLDING, S.E.D. & S.TI.D.
27.00.F	GROUNDING BAR, S.T.D.

LEGEND - FLOOR PLAN GENERAL NOTES

1. ALL INTERIOR CONSTRUCTION ON THIS PROJECT IS DESIGNATED "AIRTIGHT" FOR THE PURPOSES OF SOUND ISOLATION AND NOISE CONTROL. THE REQUIREMENTS FOR AIRTIGHT CONSTRUCTION INCLUDE, BUT ARE NOT LIMITED TO, THE REQUIREMENTS DESCRIBED IN THE SPECIFICATIONS AND THE DETAILS SHOWN ON DRAWING SHEET 2A-900. ALL NECESSARY PRODUCTS AND DETAILING SHALL BE PROVIDED TO ACHIEVE AIRTIGHT/LEAKPROOF CONSTRUCTION, WHETHER OR NOT THOSE PRODUCTS, OR DETAILS, ARE SPECIFICALLY DESCRIBED OR SHOWN IN THE PROJECT DOCUMENTS.
2. FURNITURE N.I.C.
3. ALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD OR CENTERLINE OF COLUMN.
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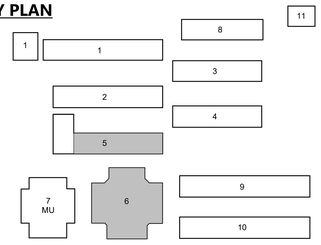
6. FOR WALL TYPES SEE SHEET 2A-911.
7. SEE 2A-251, 2A-252 AND 2A-253 FOR SIGNAGE LOCATION AND DETAILS.

LEGEND - FLOOR PLAN

ROOM NAME — ROOM NAME
101 — ROOM NUMBER
150 SF — ROOM AREA
A5 — WALL TYPE TAG (1 / 2A-911)
101AA — DOOR TYPE TAG
A — WINDOW TYPE TAG
RM — SIGNAGE TAG (2 / 2A-925)
(E) WALL TO REMAIN
(N) PARTITION AND INFILL WALL (2 / 2A-911)

KEY PLAN



PROJECT NORTH

AGENCY APPROVAL DSA# 01-121407

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PROFESSIONAL STAMP

LICENSED ARCHITECT — JOANNE ALVAREZ-KIRK — C-36107 — REN. 01-31-25 — STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION

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MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 5 & 6 - FLOOR PLANS

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

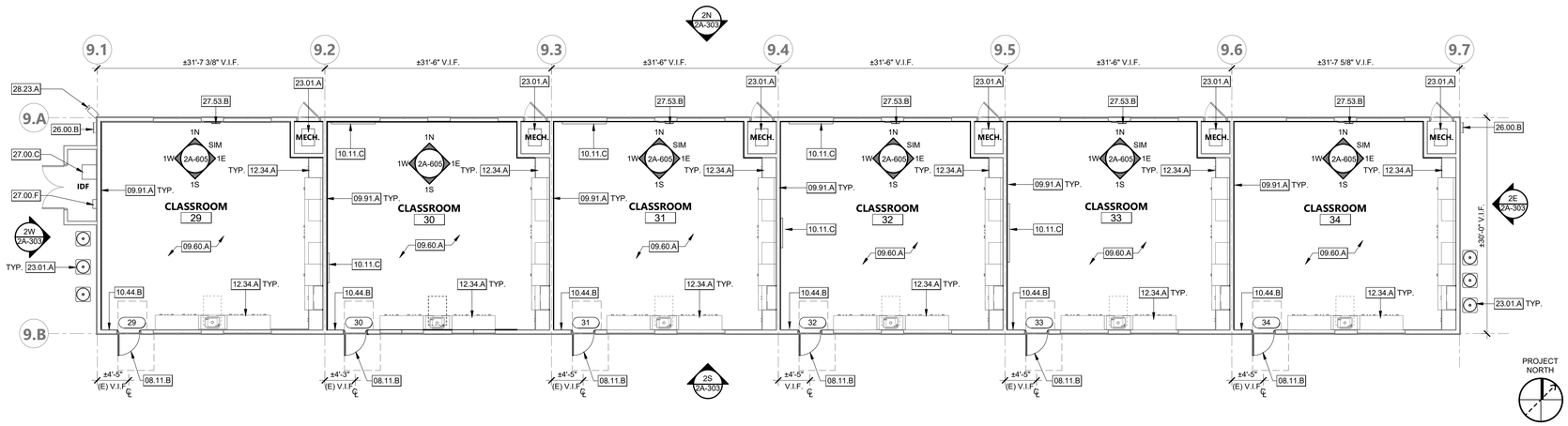
SHEET NO.

2A-202

DATE: OCTOBER 16, 2024

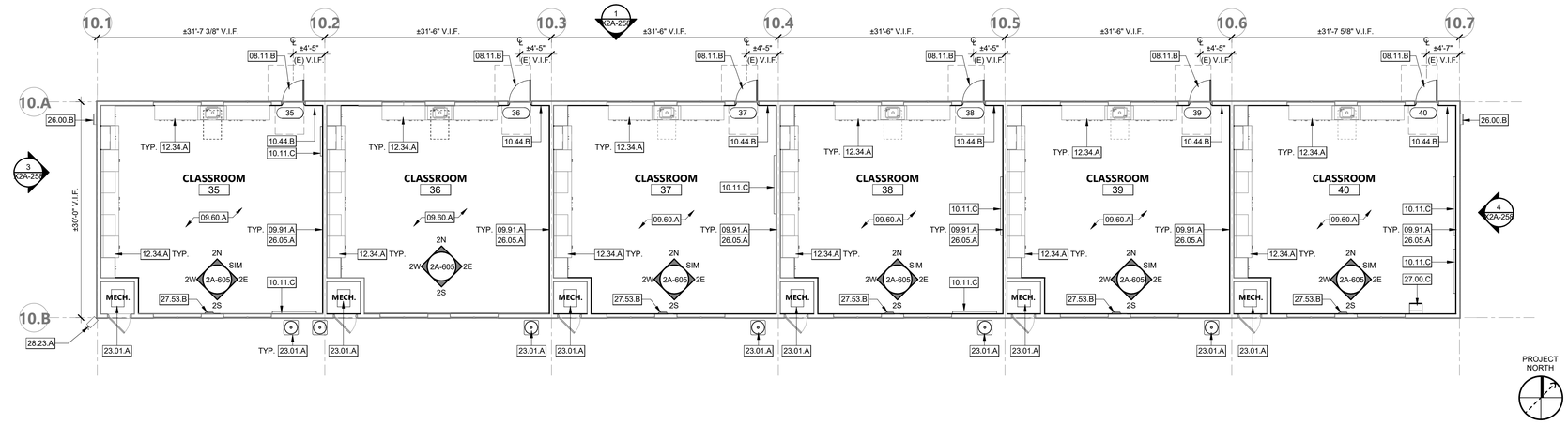
CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:10:29 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDIUSD_MT DIABLO ES MOD_INC02_A22.rvt



BUILDING 9 FLOOR PLAN

1/8" = 1'-0" | 1



BUILDING 10 FLOOR PLAN

1/8" = 1'-0" | 2

KEYNOTES

08.11.B	(N) EXTERIOR FRP FLUSH DOOR INSTALLED IN EXISTING METAL FRAME, SEE 7 & 9/2A-821
09.91.A	PAINT ALL INTERIOR SURFACES, PATCH AS NEEDED
10.11.C	(E) WHITEBOARDS TO BE REINSTALLED
10.44.B	(E) RECESSED FIRE EXTINGUISHER CABINET, PROTECT IN PLACE
12.34.A	(E) CASEWORK TO REMAIN, PROTECT IN PLACE
23.01.A	(N) CONDENSER UNIT , S.M.D.
26.00.B	(E) ELECTRICAL PANEL, PROTECT IN PLACE, S.E.D.
26.05.A	PROTECT AND REINSTALL EXISTING WIRE-MOLD, S.E.D.
27.00.C	(N) IDF CABINET, S.T.D.
27.00.F	GROUNDING BAR, S.T.D.
27.53.B	(N) CLOCK/SPEAKER SYSTEM, S.T.D.
28.23.A	(N) EXTERIOR SECURITY CAMERA, S.T.D.

LEGEND - FLOOR PLAN GENERAL NOTES

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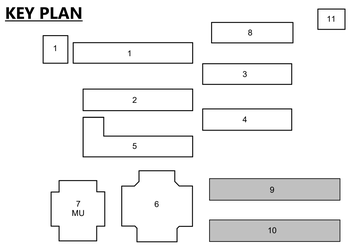
2. FURNITURE N.I.C.
3. ALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD OR CENTERLINE OF COLUMN.
4. ALL EXPOSED STEEL TO BE GALVANIZED AND PAINTED.
5. ALL EXPOSED PIPES, STRUCTURE, AND CONDUIT TO BE PAINTED.
6. FOR WALL TYPES SEE SHEET 2A-911.
7. SEE 2A-251, 2A-252 AND 2A-253 FOR SIGNAGE LOCATION AND DETAILS.

LEGEND - FLOOR PLAN

- ROOM NAME
- 101 — ROOM NUMBER
- 150 SF — ROOM AREA
- AB — WALL TYPE TAG (1 / 2A-911)
- 101AA — DOOR TYPE TAG
- A — WINDOW TYPE TAG
- RM — SIGNAGE TAG (2 / 2A-925)
- (E) WALL TO REMAIN
- (N) PARTITION AND INFILL WALL (2 / 2A-911)

KEY PLAN



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PROFESSIONAL STAMP

LICENSED ARCHITECT — MIRIAM ALVAREZ-RIVERA — C-36108 — REN 01-31-25 — STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
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SHEET TITLE

BLDG 9 & 10 - FLOOR PLANS

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

SHEET NO.

2A-203

DATE: OCTOBER 16, 2024

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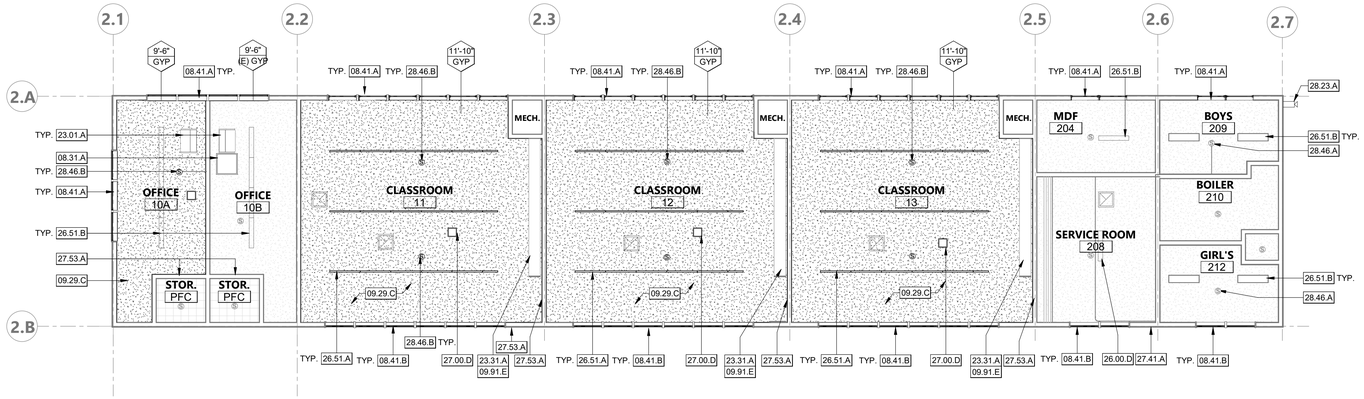
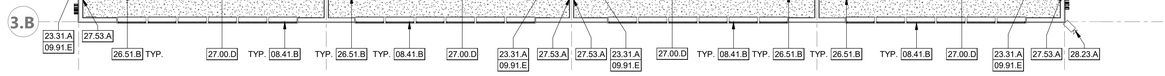


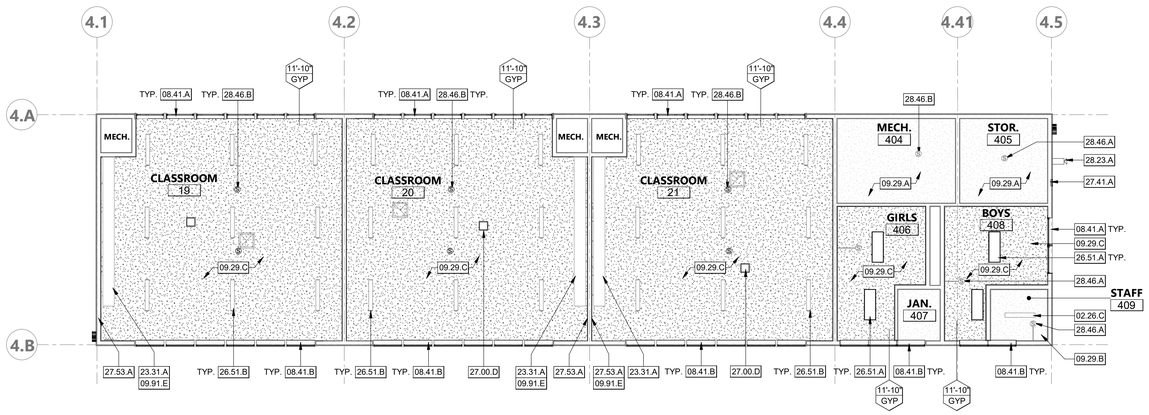
PROJECT NORTH

BUILDING 2 REFLECTED CEILING PLAN | 1/8" = 1'-0" | 1



PROJECT NORTH

BUILDING 3 REFLECTED CEILING PLAN | 1/8" = 1'-0" | 2



PROJECT NORTH

BUILDING 4 REFLECTED CEILING PLAN | 1/8" = 1'-0" | 3

KEYNOTES

02.26.C	(E) LIGHT FIXTURES TO BE DEMOLISHED. PATCH AND PREPARE FOR NEW LIGHT FIXTURES. S.E.D.
08.31.A	(E) CEILING ACCESS PANEL (NON RATED), PROTECT IN PLACE
08.41.A	(N) ALUMINUM STOREFRONT WINDOW, SEE DETAILS 16, 19, & 20/2A-821
08.41.B	(N) ALUMINUM CLERESTORY WINDOW, SEE DETAILS 16, 19, & 20/2A-821
09.29.A	(E) CEILING TO REMAIN
09.29.B	(E) GYP CEILING TO REMAIN, PATCH DAMAGED CEILING FINISH AND PAINT, ASSUME 25% REPAIRS NEEDED, TYP.
09.29.C	(N) GYP BOARD CEILING, ATTACH GYP BOARD CEILING TO (E) FURRING CHANNELS AND PAINT, V.I.F. SEE FINISH PLANS AND DETAIL 2/2A-922
09.91.E	(N) PAINT AT EXISTING HVAC HOUSING AND DUCTWORK TO MATCH WALL COLOR, COVER AND PROTECT VENTS DURING PAITNING. SEE FINISH SCHEDULE
23.01.A	(N) CONDENSER UNIT , S.M.D.
23.31.A	(E) DUCTWORK TO REMAIN, PROTECT IN PLACE THROUGH CONSTRUCTION, S.M.D.
26.00.D	(E) INTERIOR LIGHTING FIXTURE TO REMAIN, S.E.D.
26.51.A	(N) INTERIOR LIGHTING FIXTURE, S.E.D.
26.51.B	(E) LIGHT FIXTURE TO REMAIN, GC MAY REMOVE AND REINSTALL FOR WORK AT NEW CEILING
27.00.D	(E) WIRELESS ACCESS POINT TO BE REINSTALLED, S.E.D. & S.T.D.
27.41.A	(N) EXTERIOR SPEAKER, S.T.D.
27.53.A	(N) CLOCK SYSTEM AT ORIGINAL CLOCK LOCATION, S.T.D.
28.23.A	(N) EXTERIOR SECURITY CAMERA, S.T.D.
28.46.A	(E) SMOKE DETECTOR TO REMAIN, PROTECT IN PLACE
28.46.B	(E) SMOKE DETECTOR TO BE REINSTALLED

LEGEND - CEILING GENERAL NOTES

1. ANY EXPOSED DUCTS, PIPES TO BE PAINTED.
2. ANY EXPOSED STEEL TO BE GALVANIZED AND PAINTED.
3. NO SURFACE MOUNTED BACK BOXES, PIPES OR CONDUIT FOR FRAMED GYP. BD. CEILING.
4. ALL NEW CONDUITS AND RACEWAYS AT NEW CEILINGS SHOULD BE CONCEALED

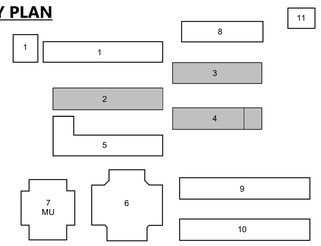
LEGEND - CEILING

- 12'-0" ACT — CEILING HEIGHT ABOVE FIN. FLOOR / CEILING MATERIAL
- NEW 2x4 SUSPENDED ACOUSTICAL CEILING TILES (ACT) IN EXISTING GRID
- NEW GWB - FRAMED GYPSUM BOARD CEILING (GYP) — 11 / 2A-922
- EXISTING GWB - FRAMED GYPSUM BOARD CEILING (GYP (E))
- (E) ROOF ACCESS HATCH
- (E) SMOKE DETECTOR TO BE REINSTALLED, S.E.D.
- (E) SMOKE DETECTOR TO REMAIN, PROTECT IN PLACE
- NEW PENDANT LIGHT, S.E.D.
- (E) RETURN AIR GRILLE, S.M.D.
- (E) SUPPLY REGISTER, S.M.D.
- (E) EXHAUST FAN OR GRILLE TO BE REMOVED WHERE INDICATED, S.M.D.
- (E) WIRELESS ACCESS POINT REINSTALLED, S.T.D.
- (E) ILLUMINATED EXIT SIGN

NOTE: B.O.S. = BOTTOM OF STRUCTURE ALL ACP SHOULD BE MOUNTED TO THE BOTTOM OF (E) STRUCTURE. UNLESS OTHERWISE NOTED.

NOTE: SYMBOLS SHOWN FOR LOCATION PURPOSES ONLY, SEE MECHANICAL, ELECTRICAL, & FIRE PROTECTION DRAWINGS FOR DETAILED INFORMATION

KEY PLAN



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PROFESSIONAL STAMP

LICENSED ARCHITECT — JOANNE ALVAREZ PARKER — C-36107 — REN. 01-31-26 — STATE OF CALIFORNIA

REVISIONS

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SHEET TITLE

BLDG 2, 3, & 4 - REFLECTED CEILING PLANS

INCREMENT 2

DRAWN BY: Author JOB NUMBER: 23120.01

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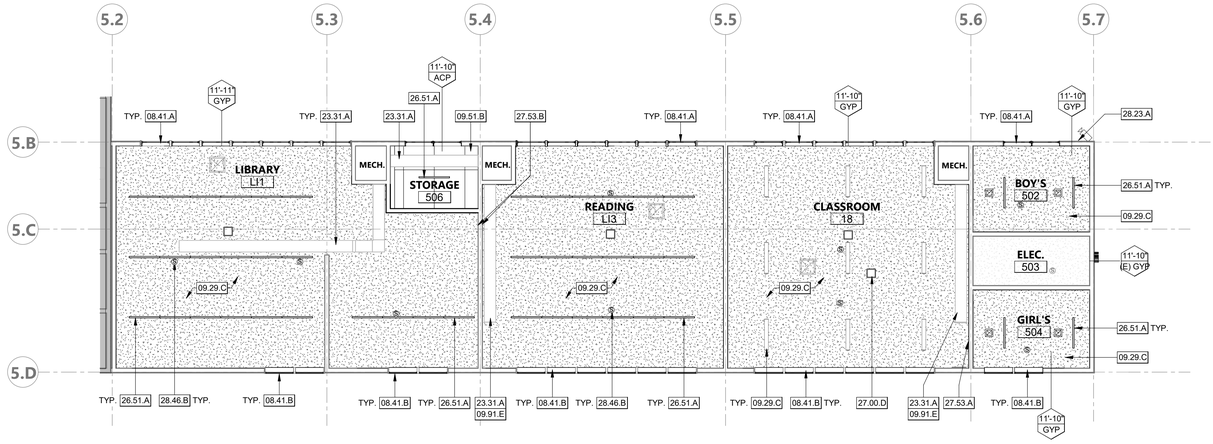
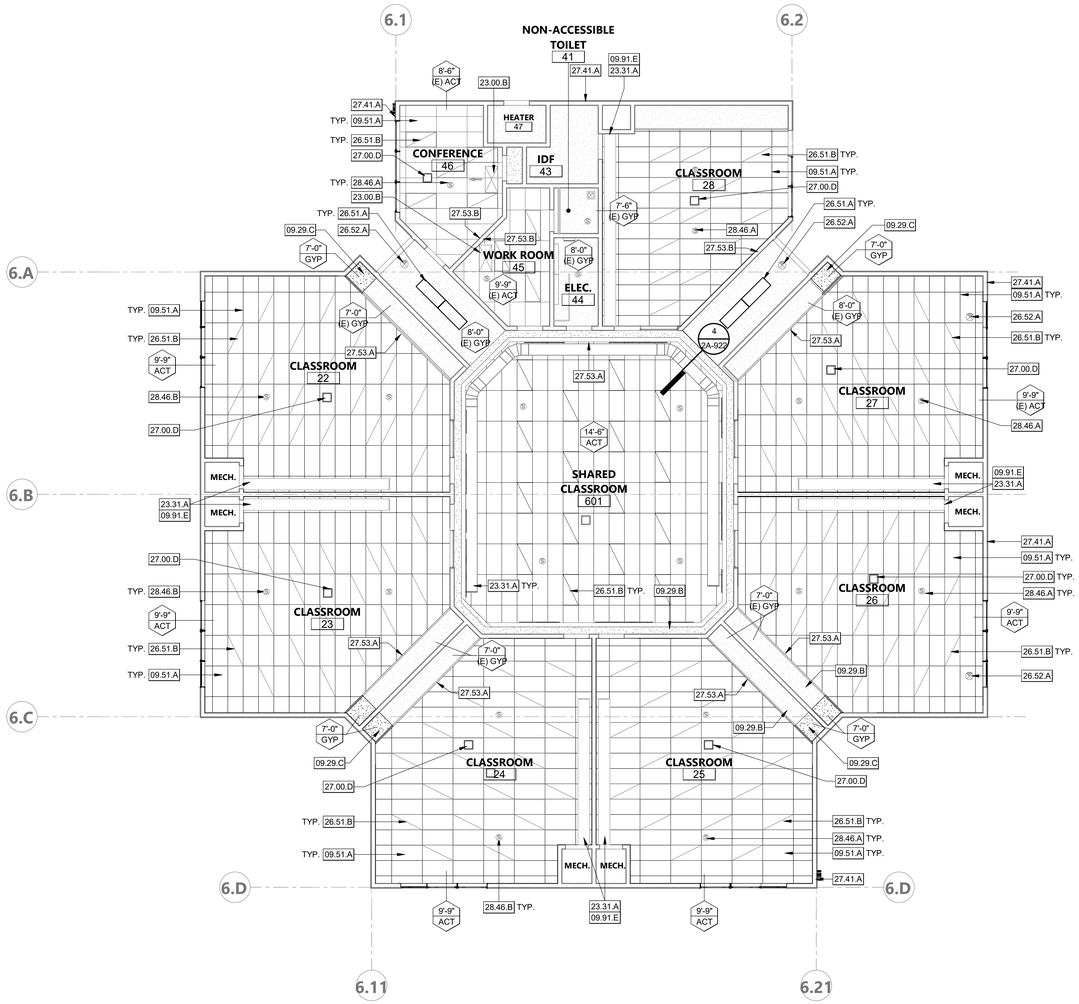


PROJECT NORTH

BUILDING 5 REFLECTED CEILING PLAN | 1/8" = 1'-0" | 1



PROJECT NORTH

BUILDING 6 REFLECTED CEILING PLAN | 1/8" = 1'-0" | 2

KEYNOTES

08.41.A	(N) ALUMINUM STOREFRONT WINDOW, SEE DETAILS 16, 19, & 20/2A-821
08.41.B	(N) ALUMINUM CLERESTORY WINDOW, SEE DETAILS 16, 19, & 20/2A-821
09.29.B	(E) GYP CEILING TO REMAIN, PATCH DAMAGED CEILING FINISH AND PAINT, ASSUME 25% REPAIRS NEEDED, TYP.
09.29.C	(N) GYP BOARD CEILING, ATTACH GYP BOARD CEILING TO (E) FURRING CHANNELS AND PAINT, V.I.F. SEE FINISH PLANS AND DETAIL 2/2A-922
09.51.A	(N) ACOUSTIC 2'X4' SUSPENDED CEILING TILES IN (E) GRID, PAINT (E) CEILING GRID
09.51.B	(N) DIRECT ATTACH ACOUSTICAL CEILING PANEL & INSULATION. ATTACH ACOUSTICAL CEILING PANEL TO (E) FURRING CHANNELS, V.I.F, SEE DETAIL 2/2A-922
09.91.E	(N) PAINT AT EXISTING HVAC HOUSING AND DUCTWORK TO MATCH WALL COLOR, COVER AND PROTECT VENTS DURING PAITNING. SEE FINISH SCHEDULE
23.00.B	(E) CEILING CASSETTE TO REMAIN, PROTECT IN PLACE
23.31.A	(E) DUCTWORK TO REMAIN, PROTECT IN PLACE THROUGH CONSTRUCTION, S.M.D.
26.51.A	(N) INTERIOR LIGHTING FIXTURE, S.E.D.
26.51.B	(E) LIGHT FIXTURE TO REMAIN. GC MAY REMOVE AND REINSTALL FOR WORK AT NEW CEILING
26.52.A	(E) ILLUMINATED EXIT SIGN, PROTECT IN PLACE
27.00.D	(E) WIRELESS ACCESS POINT TO BE REINSTALLED, S.E.D. & S.T.D.
27.41.A	(N) EXTERIOR SPEAKER, S.T.D.
27.53.A	(N) CLOCK SYSTEM AT ORIGINAL CLOCK LOCATION, S.T.D.
27.53.B	(N) CLOCK/SPEAKER SYSTEM, S.T.D.
28.23.A	(N) EXTERIOR SECURITY CAMERA, S.T.D.
28.46.A	(E) SMOKE DETECTOR TO REMAIN, PROTECT IN PLACE
28.46.B	(E) SMOKE DETECTOR TO BE REINSTALLED

LEGEND - CEILING GENERAL NOTES

1. ANY EXPOSED DUCTS, PIPES TO BE PAINTED.
2. ANY EXPOSED STEEL TO BE GALVANIZED AND PAINTED.
3. NO SURFACE MOUNTED BACK BOXES, PIPES OR CONDUIT FOR FRAMED GYP. BD. CEILING.
4. ALL NEW CONDUITS AND RACEWAYS AT NEW CEILINGS SHOULD BE CONCEALED

LEGEND - CEILING

- 12'-0" ACT — CEILING HEIGHT ABOVE FIN. FLOOR / CEILING MATERIAL
- NEW 2x4 SUSPENDED ACOUSTICAL CEILING TILES (ACT) IN EXISTING GRID
- NEW GWB - FRAMED GYPSUM BOARD CEILING (GYP) — 11 / 2A-922
- EXISTING GWB - FRAMED GYPSUM BOARD CEILING (GYP (E))
- (E) ROOF ACCESS HATCH
- (E) SMOKE DETECTOR TO BE REINSTALLED, S.E.D.
- (E) SMOKE DETECTOR TO REMAIN, PROTECT IN PLACE
- NEW PENDANT LIGHT, S.E.D.
- (E) RETURN AIR GRILLE, S.M.D.
- (E) SUPPLY REGISTER, S.M.D.
- (E) EXHAUST FAN OR GRILLE TO BE REMOVED WHERE INDICATED, S.M.D.
- (E) WIRELESS ACCESS POINT REINSTALLED, S.T.D.
- (E) ILLUMINATED EXIT SIGN

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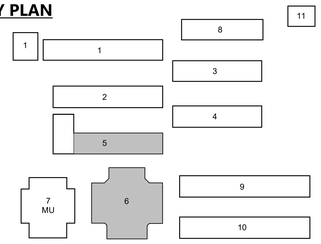

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PROFESSIONAL STAMP

LICENSED ARCHITECT — MIGUEL ALVAREZ-MAY — C-36103 — REN. 01-31-25 — STATE OF CALIFORNIA

REVISIONS

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SHEET TITLE

BLDG 5 & 6 - REFLECTED CEILING PLANS

INCREMENT 2

DRAWN BY: Author JOB NUMBER: 23120.01

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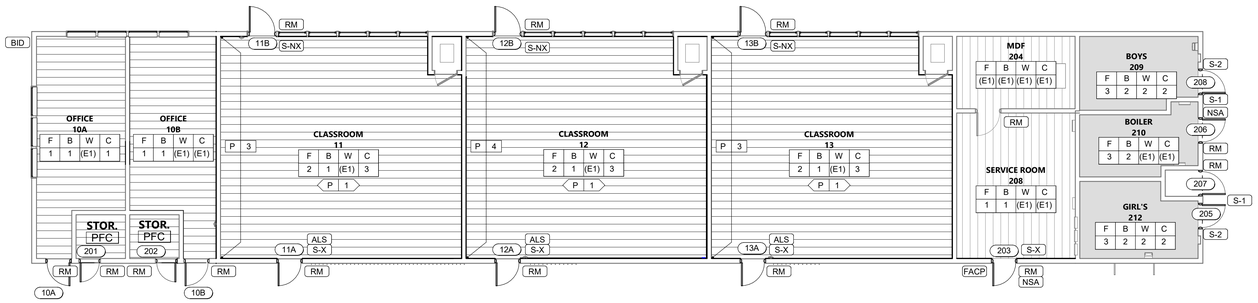


NOTE:
PROVIDE **2** PORTABLE ASSISTIVE LISTENING SYSTEMS, EACH WITH A TRANSMITTER AND A MINIMUM OF **2** RECEIVERS, FOR USE IN THE CLASSROOMS.

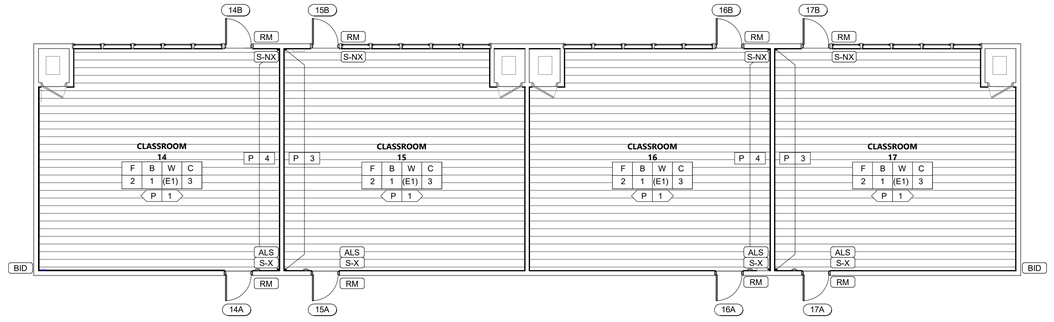
THE ASSISTIVE LISTENING RECEIVERS AND TRANSMITTER SHALL BE STORED IN THE SCHOOL SITE ADMINISTRATION OFFICE UNTIL REQUESTED, SEE SPECIFICATIONS SECTION 27 51 26.

PROJECT NORTH

BLDG 2 - FINISH PLAN

RM NAME	RM NUMBER	BASE FINISH	CEILING FINISH	FLOOR FINISH	WALL FINISH
OFFICE	10B	1	(E1)	1	(E1)
CLASSROOM	11	1	3	2	(E1)
CLASSROOM	13	1	3	2	(E1)
MDF	204	(E1)	(E1)	(E1)	(E1)
SERVICE ROOM	208	1	(E1)	1	(E1)
BOYS	209	2	2	3	2
BOILER	210	2	(E1)	3	(E1)
GIRL'S	212	2	2	3	2
CLASSROOM	12	1	3	2	(E1)

BUILDING 2 FINISH PLAN — 1/8" = 1'-0" — 1



NOTE:
PROVIDE **2** PORTABLE ASSISTIVE LISTENING SYSTEMS, EACH WITH A TRANSMITTER AND A MINIMUM OF **2** RECEIVERS, FOR USE IN THE CLASSROOMS.

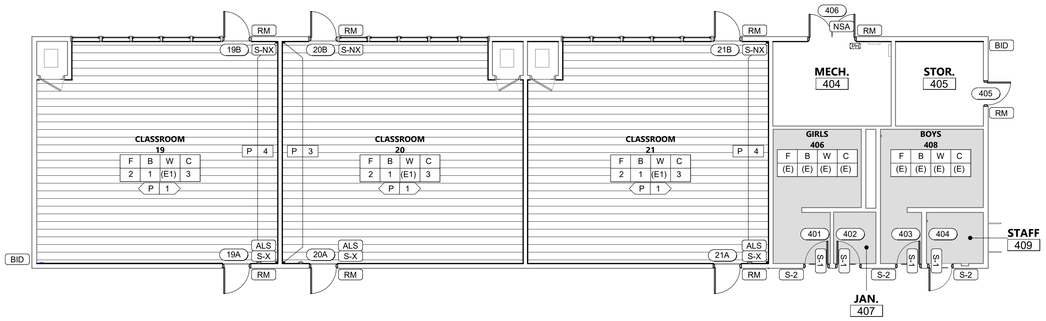
THE ASSISTIVE LISTENING RECEIVERS AND TRANSMITTER SHALL BE STORED IN THE SCHOOL SITE ADMINISTRATION OFFICE UNTIL REQUESTED, SEE SPECIFICATIONS SECTION 27 51 26.

PROJECT NORTH

BLDG 3 - FINISH PLAN

RM NAME	RM NUMBER	BASE FINISH	CEILING FINISH	FLOOR FINISH	WALL FINISH
CLASSROOM	14	1	3	2	(E1)
CLASSROOM	15	1	3	2	(E1)
CLASSROOM	17	1	3	2	(E1)
CLASSROOM	16	1	3	2	(E1)

BUILDING 3 FINISH PLAN — 1/8" = 1'-0" — 2



PROJECT NORTH

BLDG 4 - FINISH PLAN

RM NAME	RM NUMBER	BASE FINISH	CEILING FINISH	FLOOR FINISH	WALL FINISH
CLASSROOM	19	1	3	2	(E1)
CLASSROOM	20	1	3	2	(E1)
GIRLS	406	(E)	(E)	(E)	(E)
JAN.	407				
STAFF	409				
BOYS	408	(E)	(E)	(E)	(E)
CLASSROOM	21	1	3	2	(E1)
MECH.	404				
STOR.	405				

BUILDING 4 FINISH PLAN — 1/8" = 1'-0" — 3

LEGEND - SIGNAGE SYMBOLS

RM	ROOM NAME / NUMBER SIGN, SEE DETAILS	2 / 2A-925
S-1	TOILET ROOM DOOR SIGN, SEE DETAILS	18 / 2A-925
S-2	TOILET ROOM WALL SIGN, SEE DETAILS	13 / 2A-925
S-X	TACTILE "EXIT" SIGN (INTERIOR), SEE DETAILS	7 / 2A-925
S-XR	TACTILE "EXIT ROUTE" SIGN (INTERIOR), SEE DETAILS	10 / 2A-925
S-M	"MAXIMUM OCCUPANCY" SIGN (INTERIOR), SEE DETAIL	15 / 2A-925
ALS	ASSISTIVE LISTENING SIGN, SEE DETAIL	14 / 2A-925
NSA	NO STORAGE ALLOWED SIGN, SEE DETAIL	21 / 2A-925
FCAP	FIRE ALARM CONTROL PANEL SIGN, SEE DETAIL	23 / 2A-925
S-NX	NOT AN EXIT SIGN, SEE DETAIL	22 / 2A-925
BID	BUILDING ID SIGNAGE, SEE DETAIL	20 / 2A-925

LUXURY VINYL TILE

CARPET

CERAMIC TILE

RESINOUS FLOORING (EPOXY)

WALK OFF MAT

ROOM NAME — ROOM NAME
— ROOM NUMBER
F B W C — FINISH LOCATION
- - - - — FINISH MATERIAL
P 1 — INTERIOR PAINT U.O.N.
P # — INTERIOR ACCENT WALL PAINT
P 11 — INTERIOR DOOR FRAME PAINT

FINISHES GENERAL NOTES

1. CONTRACTOR RESPONSIBLE FOR FIELD VERIFYING MATERIAL DIMENSIONS AT EACH PARTITION IN THE FIELD AS RELATED TO THE OVERALL FINAL PARTITION DIMENSION, PRIOR TO DOOR AND WINDOW SUBMITTALS.
2. FOR MATERIAL FINISHES AND LOCATION OF FINISHES, REFER TO FINISH PLAN, INTERIOR ELEVATIONS AND FINISH SCHEDULE.
3. SPECIFICATIONS SHALL SUPERCEDE DIMENSIONS IN THIS DETAIL AS NECESSARY; CONTRACTOR TO VERIFY.
4. PROVIDE NEW FLOORING TRANSITION STRIP WHERE NEEDED.

FLOOR FINISHES (F)

(F)	DESCRIPTION	COLOR	SPECIFICATION SECTION	REMARKS
(E#)	EXISTING FLOOR	MATCH EXISTING ADJACENT		GC TO REPAIR IF DAMAGED DURING CONSTRUCTION
1	LVT	TBD	09 65 19	SHAW
2	LVT (MULTICOLOR)	TBD	09 65 19	SHAW
3	RESINOUS FLOORING (EPOXY)	TBD	09 67 00	DUR-A-FLEX, WITH INTEGRAL COVE BASE. INSTALL SELF-LEVELING MORTAR AS NEEDED.
4	CARPET TILE 24" x 24"		09 68 13	
5	WALK OFF MAT			

BASE FINISHES (B)

(B)	DESCRIPTION	COLOR	SPECIFICATION SECTION	REMARKS
(E#)	EXISTING BASE	MATCH EXISTING ADJACENT		GC TO REPAIR IF DAMAGED DURING CONSTRUCTION
1	4" RUBBER BASE	BLACK	09 65 13	JOHNSONITE
2	CONTINUOUS EPOXY BASE	TBD		DEX-A-TEX, INTEGRAL COVE BASE

WALL FINISHES (W)

(W)	DESCRIPTION	COLOR	SPECIFICATION SECTION	REMARKS
(E#)	EXISTING WALL	MATCH EXISTING ADJACENT		GC TO REPAIR IF DAMAGE DURING CONSTRCTION
1	5/8" TYPE 'X' GYP BOARD	PAINT		SHERWIN WILLIAMS
2	CERAMIC TILE	TBD		DALTILE - COLORWHEEL
3	CERAMIC TILE	TBD		DALTILE - COLORWHEEL
4	CERAMIC TILE	TBD		DALTILE - COLORWHEEL
5	CERAMIC TILE	TBD		DALTILE - COLORWHEEL
6	TACKBOARD	TBD		CLARIDGE TACK WALL
8	WOODWORKS LINEAR	TBD		

CEILING FINISHES (C)

(C)	DESCRIPTION	COLOR	SPECIFICATION SECTION	REMARK
(E#)	EXISTING CEILING	MATCH EXISTING ADJACENT		GC TO REPAIR IF DAMAGED DURING CONSTRUCTION
1	5/8" TYPE "X" GYP BD	PAINT		SHERWIN WILLIAMS
2	5/8" WATER RESISTANT TYPE "X" GYP BD	PAINT		SHERWIN WILLIAMS
3	DANOLINE PERFORATED ACOUSTIC GYP CEILING, 4' x 8' TILES (ACP)	PAINT	09 29 00	MATCH TYPICAL INTERIOR WALL
5	SUSPENDED ACOUSTIC CEILING 24" x 48" TIL			

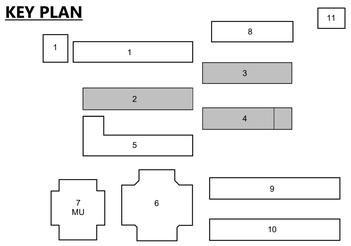
PAINT (P)

(P)	DESCRIPTION	COLOR	SPECIFICATION SECTION	REMARK
(E)	EXISTING PAINT			MATCH EXISTING ADJACENT
1	TYPICAL INTERIOR WALL PAINT	SW7757 HIGH REFLECTIVE WHITE	SHADOW SEMIGLOSS	SHERWIN WILLIAMS
2	INTERIOR CLASSROOM CEILING PAINT	SW7757 HIGH REFLECTIVE WHITE	PROF. FLAT	SHERWIN WILLIAMS
3	INTERIOR ACCENT WALL (CLASSROOM)	SW906 GENTLE AQUAMARINE	SHADOW SEMIGLOSS	SHERWIN WILLIAMS
4	INTERIOR ACCENT WALL (CLASSROOM)	SW6717 FANCING GREEN	SHADOW SEMIGLOSS	SHERWIN WILLIAMS
5	INTERIOR RESTROOM CEILING PAINT	SW7757 HIGH REFLECTIVE WHITE	PROF. SEMIGLOSS	SHERWIN WILLIAMS
6	TYPICAL EXTERIOR DOOR FRAME	TBD		SHERWIN WILLIAMS
7	TYPICAL EXTERIOR MECHANICAL DOOR	TBD		SHERWIN WILLIAMS
8	TYPICAL INTERIOR DOOR FRAME	TBD		SHERWIN WILLIAMS

LEGEND - SIGNAGE GENERAL NOTES

1. ALL SIGNS ON GLAZING TO BE MOUNTED BACK TO BACK. SEE DETAIL 5 / 2A-925
2. ROOM/ EXIT SIGN LOCATIONS
   - A. SINGLE DOOR - MOUNT ON LATCH SIDE OF THE DOOR
   - B. DOUBLE DOOR - MOUNT ON RIGHT SIDE OF THE DOOR
   - C. WHERE NO WALL SPACE IS AVAILABLE ON LATCH SIDE, INCLUDING @ DL DOORS, SIGNS SHALL BE PLACED ON NEAREST ADJACENT WAL PREFERABLY ON THE RIGHT (CBC II7B.5.7)
   - D. INSTALL AT 60" TOP OF EXIST AND DOOR SIGN TYPICAL
   - E. SIGNAGE ATTACHMENT TO BE WALL W/ D.F TAPE AND SILICONE TYPICAL
     a. OPTIONAL ALTERNATIVE AT PLASTER EXTERIOR: FASTENER ATTACHMENT WITH SS TAMPER-RESISTANT SCREW HEADS IF APPROVED BY OWNER.
3. SIGNAGE MATERIAL
   - A. ALL SIGNS TO BE 1/4" ACRYLIC PLASTIC
     a. NON-GLARE FINISH
   - B. MOUNTING ON DF TAPE WITH SILICONE AS REQUIRED.
   - C. FIGURES TO BE ETCHED WITH ENAMEL FILLED
4. SIGNAGE COLORS
   - A. LETTERS TO CONTRAST WITH BACKGROUND COLOR TO CONTRAST (70% MIN.) NON-GLARE FINISH. COLOR TBD.
   - B. BACKGROUND COLOR TBD TO MATCH SITE STANDARD

KEY PLAN



AGENCY APPROVAL DSA# 01-121407

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PROFESSIONAL STAMP

REVISIONS

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 2, 3, & 4 - FINISH & SIGNAGE PLANS

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

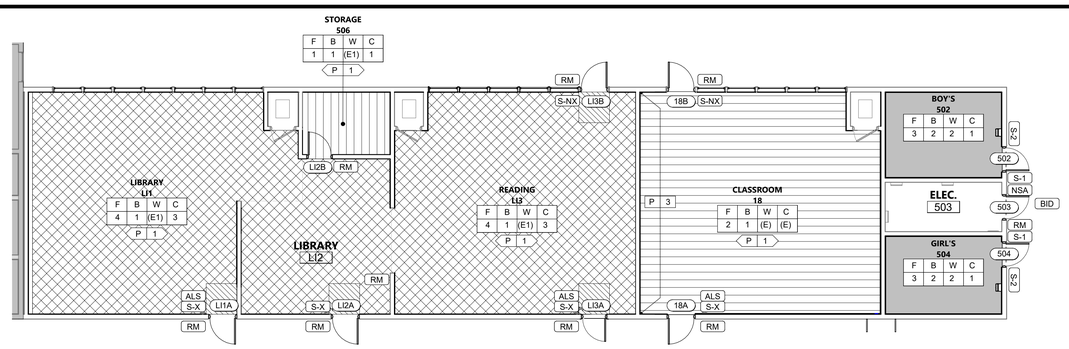
SHEET NO.

2A-251

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:10:48 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt



NOTE:
PROVIDE **2** PORTABLE ASSISTIVE LISTENING SYSTEMS, EACH WITH A TRANSMITTER AND A MINIMUM OF **2** RECEIVERS, FOR USE IN THE CLASSROOMS.

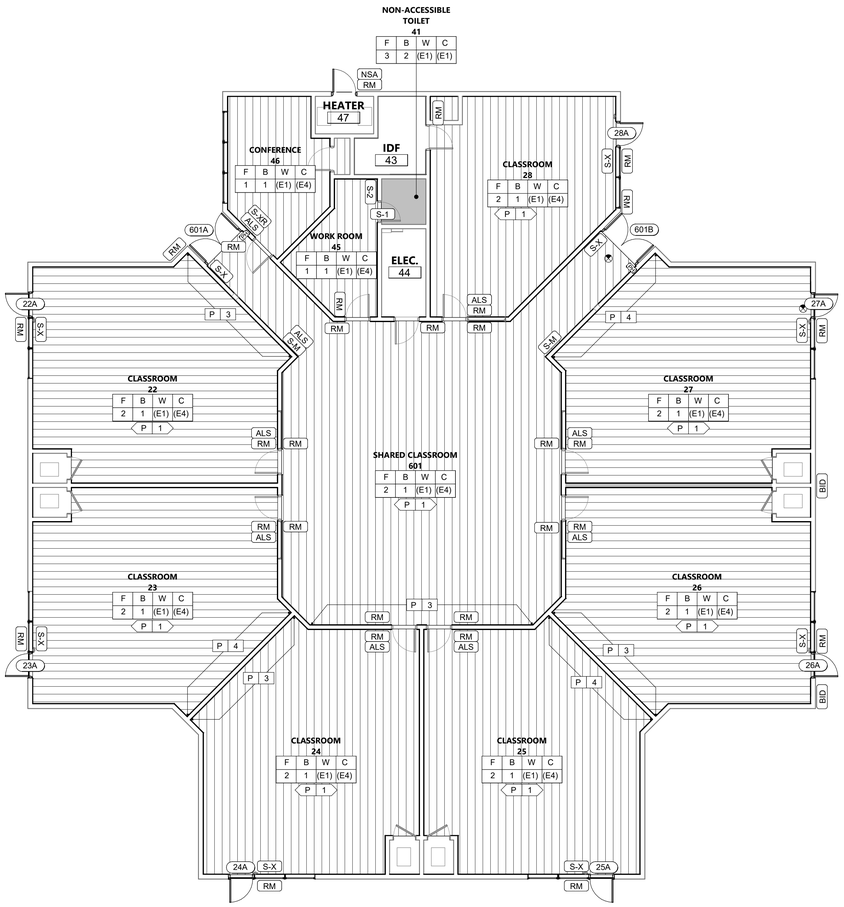
THE ASSISTIVE LISTENING RECEIVERS AND TRANSMITTER SHALL BE STORED IN THE SCHOOL SITE ADMINISTRATION OFFICE UNTIL REQUESTED, SEE SPECIFICATIONS SECTION 27 51 26.

PROJECT NORTH

BLDG 5 - FINISH PLAN

RM NAME	RM NUMBER	BASE FINISH	CEILING FINISH	FLOOR FINISH	WALL FINISH
STORAGE	506	1	1	1	(E1)
CLASSROOM	18	1	(E)	2	(E)
ELEC.	503				
GIRL'S	504	2	1	3	2
BOY'S	502	2	1	3	2
LIBRARY	LI1	1	3	4	(E1)
READING	LI3	1	3	4	(E1)
LIBRARY	LI2	1	3	4	(E1)

BUILDING 5 FINISH PLAN | 1/8" = 1'-0" | **1**



NOTE:
PROVIDE **2** PORTABLE ASSISTIVE LISTENING SYSTEMS, EACH WITH A TRANSMITTER AND A MINIMUM OF **2** RECEIVERS, FOR USE IN THE CLASSROOMS.

THE ASSISTIVE LISTENING RECEIVERS AND TRANSMITTER SHALL BE STORED IN THE SCHOOL SITE ADMINISTRATION OFFICE UNTIL REQUESTED, SEE SPECIFICATIONS SECTION 27 51 26.

PROJECT NORTH

BLDG 6 - FINISH PLAN

RM NAME	RM NUMBER	BASE FINISH	CEILING FINISH	FLOOR FINISH	WALL FINISH
SHARED CLASSROOM	601	1	(E4)	2	(E1)
CLASSROOM	22	1	(E4)	2	(E1)
CLASSROOM	23	1	(E4)	2	(E1)
CLASSROOM	24	1	(E4)	2	(E1)
CLASSROOM	25	1	(E4)	2	(E1)
CLASSROOM	26	1	(E4)	2	(E1)
CLASSROOM	27	1	(E4)	2	(E1)
CLASSROOM	28	1	(E4)	2	(E1)
NON-ACCESSIBLE TOILET	41	2	(E1)	3	(E1)
IDF	43				
ELEC.	44				
WORK ROOM	45	1	(E4)	1	(E1)
CONFERENCE	46	1	(E4)	1	(E1)
HEATER	47				

BUILDING 6 FINISH PLAN | 1/8" = 1'-0" | **2**

LEGEND - SIGNAGE SYMBOLS

RM	ROOM NAME / NUMBER SIGN, SEE DETAILS	2 / 2A-925
S-1	TOILET ROOM DOOR SIGN, SEE DETAILS	18 / 2A-925
S-2	TOILET ROOM WALL SIGN, SEE DETAILS	13 / 2A-925
S-X	TACTILE "EXIT" SIGN (INTERIOR), SEE DETAILS	7 / 2A-925
S-XR	TACTILE "EXIT ROUTE" SIGN (INTERIOR), SEE DETAILS	10 / 2A-925
S-M	"MAXIMUM OCCUPANCY" SIGN (INTERIOR), SEE DETAIL	15 / 2A-925
ALS	ASSISTIVE LISTENING SIGN, SEE DETAIL	14 / 2A-925
NSA	NO STORAGE ALLOWED SIGN, SEE DETAIL	21 / 2A-925
FCAP	FIRE ALARM CONTROL PANEL SIGN, SEE DETAIL	23 / 2A-925
S-NX	NOT AN EXIT SIGN, SEE DETAIL	22 / 2A-925
BID	BUILDING ID SIGNAGE, SEE DETAIL	20 / 2A-925

LUXURY VINYL TILE

CARPET

CERAMIC TILE

RESINOUS FLOORING (EPOXY)

WALK OFF MAT

ROOM NAME
#
F B W C
- - - -
P 1

ROOM NAME
ROOM NUMBER
FINISH LOCATION
FINISH MATERIAL
INTERIOR PAINT U.O.N.

P #
INTERIOR ACCENT WALL PAINT

P 11
INTERIOR DOOR FRAME PAINT

FINISHES GENERAL NOTES

1. CONTRACTOR RESPONSIBLE FOR FIELD VERIFYING MATERIAL DIMENSIONS AT EACH PARTITION IN THE FIELD AS RELATED TO THE OVERALL FINAL PARTITION DIMENSION, PRIOR TO DOOR AND WINDOW SUBMITTALS.
2. FOR MATERIAL FINISHES AND LOCATION OF FINISHES, REFER TO FINISH PLAN, INTERIOR ELEVATIONS AND FINISH SCHEDULE.
3. SPECIFICATIONS SHALL SUPERCEDE DIMENSIONS IN THIS DETAIL AS NECESSARY; CONTRACTOR TO VERIFY.
4. PROVIDE NEW FLOORING TRANSITION STRIP WHERE NEEDED.

FLOOR FINISHES (F)

(F)	DESCRIPTION	COLOR	SPECIFICATION SECTION	REMARKS
(E#)	EXISTING FLOOR	MATCH EXISTING ADJACENT		GC TO REPAIR IF DAMAGED DURING CONSTRUCTION
1	LVT	TBD	09 65 19	SHAW
2	LVT (MULTICOLOR)	TBD	09 65 19	SHAW
3	RESINOUS FLOORING (EPOXY)	TBD	09 67 00	DUR-A-FLEX, WITH INTEGRAL COVE BASE. INSTALL SELF-LEVELING MORTAR AS NEEDED.
4	CARPET TILE 24" x 24"		09 68 13	
5	WALK OFF MAT			

BASE FINISHES (B)

(B)	DESCRIPTION	COLOR	SPECIFICATION SECTION	REMARKS
(E#)	EXISTING BASE	MATCH EXISTING ADJACENT		GC TO REPAIR IF DAMAGED DURING CONSTRUCTION
1	4" RUBBER BASE	BLACK	09 65 13	JOHNSONITE
2	CONTINUOUS EPOXY BASE	TBD		DEX-A-TEX, INTEGRAL COVE BASE

WALL FINISHES (W)

(W)	DESCRIPTION	COLOR	SPECIFICATION SECTION	REMARKS
(E#)	EXISTING WALL	MATCH EXISTING ADJACENT		GC TO REPAIR IF DAMAGE DURING CONSTRCTION
1	5/8" TYPE 'X' GYP BOARD	PAINT		SHERWIN WILLIAMS
2	CERAMIC TILE	TBD		DALTILE - COLORWHEEL
3	CERAMIC TILE	TBD		DALTILE - COLORWHEEL
4	CERAMIC TILE	TBD		DALTILE - COLORWHEEL
5	CERAMIC TILE	TBD		DALTILE - COLORWHEEL
6	TACKBOARD	TBD		CLARIDGE TACK WALL
8	WOODWORKS LINEAR	TBD		

CEILING FINISHES (C)

(C)	DESCRIPTION	COLOR	SPECIFICATION SECTION	REMARK
(E#)	EXISTING CEILING	MATCH EXISTING ADJACENT		GC TO REPAIR IF DAMAGED DURING CONSTRUCTION
1	5/8" TYPE "X" GYP BD	PAINT		SHERWIN WILLIAMS
2	5/8" WATER RESISTANT TYPE "X" GYP BD	PAINT		SHERWIN WILLIAMS
3	DANOLINE PERFORATED ACOUSTIC GYP CEILING, 4' x 8' TILES (ACP)	PAINT	09 29 00	MATCH TYPICAL INTERIOR WALL
5	SUSPENDED ACOUSTIC CEILING 24" x 48" TIL			

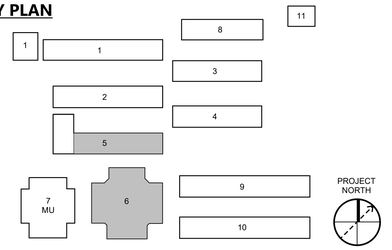
PAINT (P)

(P)	DESCRIPTION	COLOR	SPECIFICATION SECTION	REMARK
(E)	EXISTING PAINT			MATCH EXISTING ADJACENT
1	TYPICAL INTERIOR WALL PAINT	SW7757 HIGH REFLECTIVE WHITE	SHADOW SEMIGLOSS	SHERWIN WILLIAMS
2	INTERIOR CLASSROOM CEILING PAINT	SW7757 HIGH REFLECTIVE WHITE	PROF. FLAT	SHERWIN WILLIAMS
3	INTERIOR ACCENT WALL (CLASSROOM)	SW906 GENTLE AQUAMARINE	SHADOW SEMIGLOSS	SHERWIN WILLIAMS
4	INTERIOR ACCENT WALL (CLASSROOM)	SW6717 FANCING GREEN	SHADOW SEMIGLOSS	SHERWIN WILLIAMS
5	INTERIOR RESTROOM CEILING PAINT	SW7757 HIGH REFLECTIVE WHITE	PROF. SEMIGLOSS	SHERWIN WILLIAMS
6	TYPICAL EXTERIOR DOOR FRAME	TBD		SHERWIN WILLIAMS
7	TYPICAL EXTERIOR MECHANICAL DOOR	TBD		SHERWIN WILLIAMS
8	TYPICAL INTERIOR DOOR FRAME	TBD		SHERWIN WILLIAMS

LEGEND - SIGNAGE GENERAL NOTES

1. ALL SIGNS ON GLAZING TO BE MOUNTED BACK TO BACK. SEE DETAIL 5 / 2A-925
2. ROOM/ EXIT SIGN LOCATIONS
   - A. SINGLE DOOR - MOUNT ON LATCH SIDE OF THE DOOR
   - B. DOUBLE DOOR - MOUNT ON RIGHT SIDE OF THE DOOR
   - C. WHERE NO WALL SPACE IS AVAILABLE ON LATCH SIDE, INCLUDING @ DL DOORS, SIGNS SHALL BE PLACED ON NEAREST ADJACENT WAL PREFERABLY ON THE RIGHT (CBC II/7B.5.7)
   - D. INSTALL AT 60" TOP OF EXIST AND DOOR SIGN TYPICAL
   - E. SIGNAGE ATTACHMENT TO BE WALL W/ D F TAPE AND SILICONE TYPICAL
     a. OPTIONAL ALTERNATIVE AT PLASTER EXTERIOR: FASTENER ATTACHMENT WITH SS TAMPER-RESISTANT SCREW HEADS IF APPROVED BY OWNER.
3. SIGNAGE MATERIAL
   - A. ALL SIGNS TO BE 1/4" ACRYLIC PLASTIC
     a. NON-GLARE FINISH
   - B. MOUNTING ON DF TAPE WITH SILICONE AS REQUIRED.
   - C. FIGURES TO BE ETCHED WITH ENAMEL FILLED
4. SIGNAGE COLORS
   - A. LETTERS TO CONTRAST WITH BACKGROUND COLOR TO CONTRAST (70% MIN.) NON-GLARE FINISH. COLOR TBD.
   - B. BACKGROUND COLOR TBD TO MATCH SITE STANDARD

KEY PLAN



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LICENSED ARCHITECT
JOANNE ALVAREZ PARKER
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STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION

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MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
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MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 5 & 6 - FINISH & SIGNAGE PLANS

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

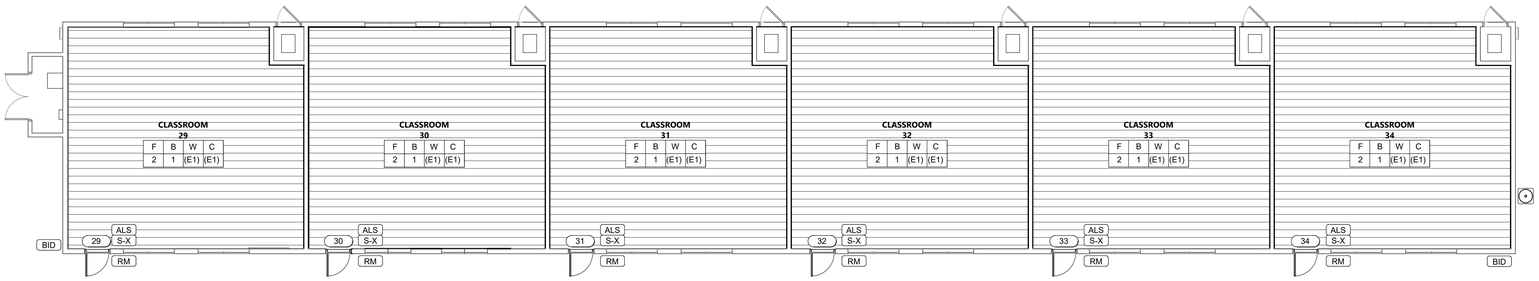
SHEET NO.

2A-252

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:10:54 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt



NOTE:
PROVIDE **2** PORTABLE ASSISTIVE LISTENING SYSTEMS, EACH WITH A TRANSMITTER AND A MINIMUM OF **2** RECEIVERS, FOR USE IN THE CLASSROOMS.

THE ASSISTIVE LISTENING RECEIVERS AND TRANSMITTER SHALL BE STORED IN THE SCHOOL SITE ADMINISTRATION OFFICE UNTIL REQUESTED, SEE SPECIFICATIONS SECTION 27 51 26.

PROJECT NORTH

BLDG 9 - FINISH PLAN

RM NAME	RM NUMBER	BASE FINISH	CEILING FINISH	FLOOR FINISH	WALL FINISH
CLASSROOM	29	1	(E1)	2	(E1)
CLASSROOM	30	1	(E1)	2	(E1)
CLASSROOM	31	1	(E1)	2	(E1)
CLASSROOM	32	1	(E1)	2	(E1)
CLASSROOM	34	1	(E1)	2	(E1)
CLASSROOM	33	1	(E1)	2	(E1)

BUILDING 9 FINISH PLAN

1/8" = 1'-0"

1



NOTE:
PROVIDE **2** PORTABLE ASSISTIVE LISTENING SYSTEMS, EACH WITH A TRANSMITTER AND A MINIMUM OF **2** RECEIVERS, FOR USE IN THE CLASSROOMS.

THE ASSISTIVE LISTENING RECEIVERS AND TRANSMITTER SHALL BE STORED IN THE SCHOOL SITE ADMINISTRATION OFFICE UNTIL REQUESTED, SEE SPECIFICATIONS SECTION 27 51 26.

PROJECT NORTH

BLDG 10 - FINISH PLAN

RM NAME	RM NUMBER	BASE FINISH	CEILING FINISH	FLOOR FINISH	WALL FINISH
CLASSROOM	35	1	(E1)	2	(E1)
CLASSROOM	36	1	(E1)	2	(E1)
CLASSROOM	37	1	(E1)	2	(E1)
CLASSROOM	38	1	(E1)	2	(E1)
CLASSROOM	40	1	(E1)	2	(E1)
CLASSROOM	39	1	(E1)	2	(E1)

BUILDING 10 FINISH PLAN

1/8" = 1'-0"

2

LEGEND - SIGNAGE SYMBOLS

RM	ROOM NAME / NUMBER SIGN, SEE DETAILS	2 / 2A-925
S-1	TOILET ROOM DOOR SIGN, SEE DETAILS	18 / 2A-925
S-2	TOILET ROOM WALL SIGN, SEE DETAILS	13 / 2A-925
S-X	TACTILE "EXIT" SIGN (INTERIOR), SEE DETAILS	7 / 2A-925
S-XR	TACTILE "EXIT ROUTE" SIGN (INTERIOR), SEE DETAILS	10 / 2A-925
S-M	"MAXIMUM OCCUPANCY" SIGN (INTERIOR), SEE DETAIL	15 / 2A-925
ALS	ASSISTIVE LISTENING SIGN, SEE DETAIL	14 / 2A-925
NSA	NO STORAGE ALLOWED SIGN, SEE DETAIL	21 / 2A-925
FCAP	FIRE ALARM CONTROL PANEL SIGN, SEE DETAIL	23 / 2A-925
S-NX	NOT AN EXIT SIGN, SEE DETAIL	22 / 2A-925
BID	BUILDING ID SIGNAGE, SEE DETAIL	20 / 2A-925

FINISHES GENERAL NOTES

1. CONTRACTOR RESPONSIBLE FOR FIELD VERIFYING MATERIAL DIMENSIONS AT EACH PARTITION IN THE FIELD AS RELATED TO THE OVERALL FINAL PARTITION DIMENSION, PRIOR TO DOOR AND WINDOW SUBMITTALS.
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3. SPECIFICATIONS SHALL SUPERCEDE DIMENSIONS IN THIS DETAIL AS NECESSARY; CONTRACTOR TO VERIFY.
4. PROVIDE NEW FLOORING TRANSITION STRIP WHERE NEEDED.

FLOOR FINISHES (F)

(F)	DESCRIPTION	COLOR	SPECIFICATION SECTION	REMARKS
(E#)	EXISTING FLOOR	MATCH EXISTING ADJACENT		GC TO REPAIR IF DAMAGED DURING CONSTRUCTION
1	LVT	TBD	09 65 19	SHAW
2	LVT (MULTICOLOR)	TBD	09 65 19	SHAW
3	RESINOUS FLOORING (EPOXY)	TBD	09 67 00	DUR-A-FLEX, WITH INTEGRAL COVE BASE. INSTALL SELF-LEVELING MORTAR AS NEEDED.
4	CARPET TILE 24" x 24"		09 68 13	
5	WALK OFF MAT			

BASE FINISHES (B)

(B)	DESCRIPTION	COLOR	SPECIFICATION SECTION	REMARKS
(E#)	EXISTING BASE	MATCH EXISTING ADJACENT		GC TO REPAIR IF DAMAGED DURING CONSTRUCTION
1	4" RUBBER BASE	BLACK	09 65 13	JOHNSONITE
2	CONTINUOUS EPOXY BASE	TBD		DEX-A-TEX, INTEGRAL COVE BASE

WALL FINISHES (W)

(W)	DESCRIPTION	COLOR	SPECIFICATION SECTION	REMARKS
(E#)	EXISTING WALL	MATCH EXISTING ADJACENT		GC TO REPAIR IF DAMAGE DURING CONSTRCTION
1	5/8" TYPE "X" GYP BOARD	PAINT		SHERWIN WILLIAMS
2	CERAMIC TILE	TBD		DALTILE - COLORWHEEL
3	CERAMIC TILE	TBD		DALTILE - COLORWHEEL
4	CERAMIC TILE	TBD		DALTILE - COLORWHEEL
5	CERAMIC TILE	TBD		DALTILE - COLORWHEEL
6	TACKBOARD	TBD		CLARIDGE TACK WALL
8	WOODWORKS LINEAR	TBD		

CEILING FINISHES (C)

(C)	DESCRIPTION	COLOR	SPECIFICATION SECTION	REMARK
(E#)	EXISTING CEILING	MATCH EXISTING ADJACENT		GC TO REPAIR IF DAMAGED DURING CONSTRUCTION
1	5/8" TYPE "X" GYP BD	PAINT		SHERWIN WILLIAMS
2	5/8" WATER RESISTANT TYPE "X" GYP BD	PAINT		SHERWIN WILLIAMS
3	DANOLINE PERFORATED ACOUSTIC GYP CEILING, 4' x 8' TILES (ACP)	PAINT	09 29 00	MATCH TYPICAL INTERIOR WALL
5	SUSPENDED ACOUSTIC CEILING 24" x 48" TIL			

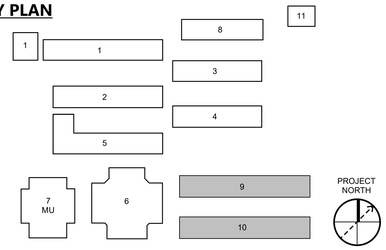
PAINT (P)

(P)	DESCRIPTION	COLOR	SPECIFICATION SECTION	REMARK
(E)	EXISTING PAINT			MATCH EXISTING ADJACENT
1	TYPICAL INTERIOR WALL PAINT	SW7757 HIGH REFLECTIVE WHITE	SHADOW SEMIGLOSS	SHERWIN WILLIAMS
2	INTERIOR CLASSROOM CEILING PAINT	SW7757 HIGH REFLECTIVE WHITE	PROF. FLAT	SHERWIN WILLIAMS
3	INTERIOR ACCENT WALL (CLASSROOM)	SW906 GENTLE AQUAMARINE	SHADOW SEMIGLOSS	SHERWIN WILLIAMS
4	INTERIOR ACCENT WALL (CLASSROOM)	SW6717 FANCING GREEN	SHADOW SEMIGLOSS	SHERWIN WILLIAMS
5	INTERIOR RESTROOM CEILING PAINT	SW7757 HIGH REFLECTIVE WHITE	PROF. SEMIGLOSS	SHERWIN WILLIAMS
6	TYPICAL EXTERIOR DOOR FRAME	TBD		SHERWIN WILLIAMS
7	TYPICAL EXTERIOR MECHANICAL DOOR	TBD		SHERWIN WILLIAMS
8	TYPICAL INTERIOR DOOR FRAME	TBD		SHERWIN WILLIAMS

LEGEND - SIGNAGE GENERAL NOTES

1. ALL SIGNS ON GLAZING TO BE MOUNTED BACK TO BACK. SEE DETAIL 5 / 2A-925
2. ROOM/ EXIT SIGN LOCATIONS
   A. SINGLE DOOR - MOUNT ON LATCH SIDE OF THE DOOR
   B. DOUBLE DOOR - MOUNT ON RIGHT SIDE OF THE DOOR
   C. WHERE NO WALL SPACE IS AVAILABLE ON LATCH SIDE, INCLUDING @ DL DOORS, SIGNS SHALL BE PLACED ON NEAREST ADJACENT WAL PREFERABLY ON THE RIGHT (CBC II7'B.5.7)
   D. INSTALL AT 60" TOP OF EXIST AND DOOR SIGN TYPICAL
   E. SIGNAGE ATTACHMENT TO BE WALL W/ D.F TAPE AND SILICONE TYPICAL
      a. OPTIONAL ALTERNATIVE AT PLASTER EXTERIOR: FASTENER ATTACHMENT WITH SS TAMPER-RESISTANT SCREW HEADS IF APPROVED BY OWNER.
3. SIGNAGE MATERIAL
   A. ALL SIGNS TO BE 1/4" ACRYLIC PLASTIC
      a. NON-GLARE FINISH
   B. MOUNTING ON DF TAPE WITH SILICONE AS REQUIRED.
   C. FIGURES TO BE ETCHED WITH ENAMEL FILLED
4. SIGNAGE COLORS
   A. LETTERS TO CONTRAST WITH BACKGROUND COLOR TO CONTRAST (70% MIN.) NON-GLARE FINISH. COLOR TBD.
   B. BACKGROUND COLOR TBD TO MATCH SITE STANDARD

KEY PLAN



AGENCY APPROVAL DSA# 01-121407

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PROFESSIONAL STAMP



REVISIONS

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1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 9 & 10 - FINISH & SIGNAGE PLANS

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

SHEET NO.

2A-253

DATE: OCTOBER 16, 2024

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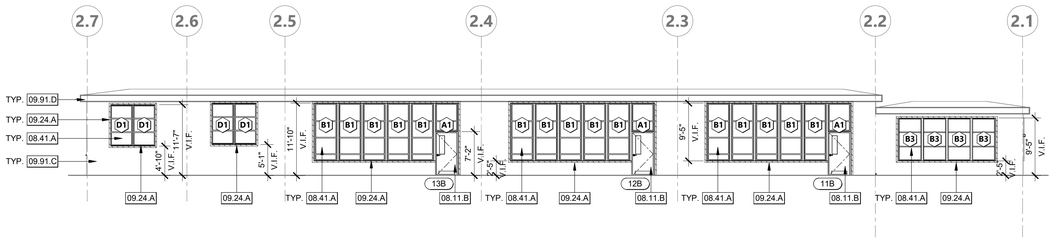
DATE PLOTTED: 10/17/2024 9:10:59 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt



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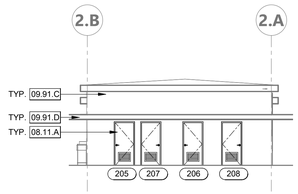

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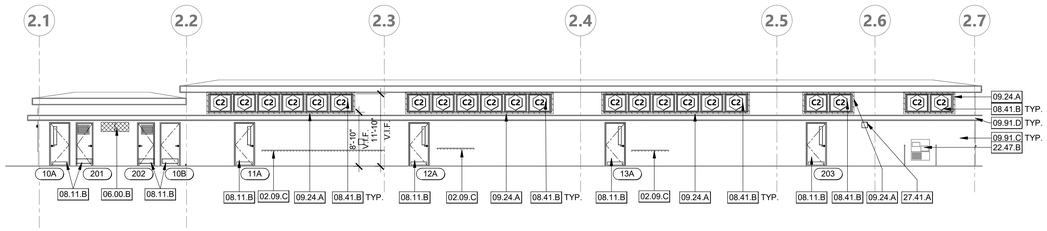

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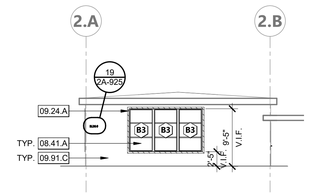

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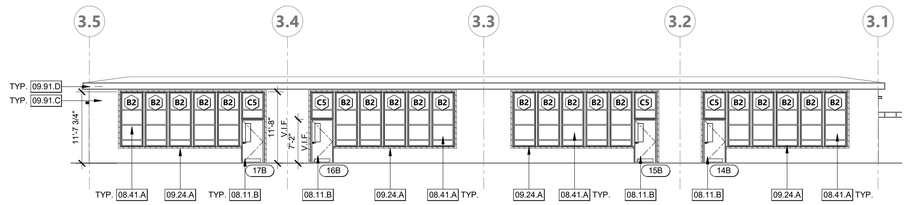
(E) BUILDING 2 - EXTERIOR ELEVATIONS | 1" = 10'-0" | 1



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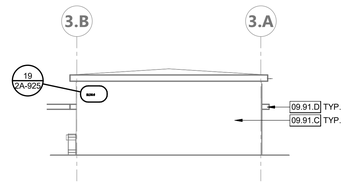

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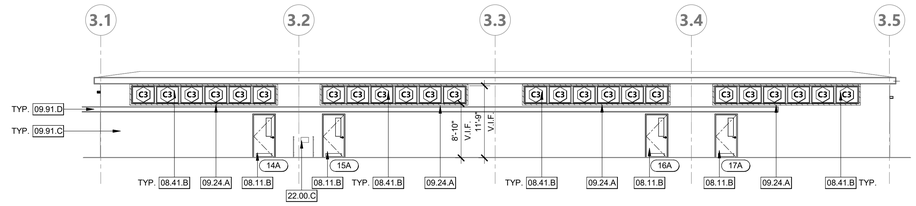

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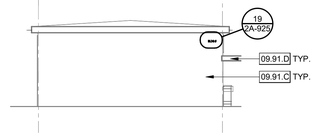

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(E) BUILDING 3 - EXTERIOR ELEVATIONS | 1" = 10'-0" | 2

KEYNOTES

02.09.C	(E) BAG HOOKS TO BE REMOVED AND REINSTALLED AFTER PAINTING, TYP.
06.00.B	INFILL (E) WINDOWS, SEE 8/2S-801
08.11.A	(N) EXTERIOR FRP FLUSH DOOR INSTALLED IN EXISTING WOOD FRAME, SEE 6 & 12/2A-821
08.11.B	(N) EXTERIOR FRP FLUSH DOOR INSTALLED IN EXISTING METAL FRAME, SEE 7 & 9/2A-821
08.41.A	(N) ALUMINUM STOREFRONT WINDOW, SEE DETAILS 16, 19, & 20/2A-821
08.41.B	(N) ALUMINUM CLERESTORY WINDOW, SEE DETAILS 16, 19, & 20/2A-821
09.24.A	PATCH BUILDING PAPER, LATH, AND CEMENT PLASTER. PAINT TO MATCH ADJACENT. TYP. AT ALL NEW WINDOWS AND CLERESTORIES
09.91.C	ALL EXTERIOR SURFACES TO BE PAINTED, INCLUDING BUT NOT LIMITED TO WALLS, WOOD TRIMS, COVERED WALKWAYS, AND CONCRETE WALKWAYS. PATCH AND REPAIR AS NEEDED
09.91.D	REPAINT METAL FASCIAS, GUTTERS, FLASHINGS, DOWNSPOUTS, CANOPY POSTS OR SUPPORTS, MISC. METALS AND WALL/HVAC VENTS.
22.00.C	(E) DRINKING FOUNTAIN TO REMAIN, PROTECT IN PLACE
22.47.B	(E) HI-LOW DRINKING FOUNTAIN, SEE 19/2G-900
27.41.A	(N) EXTERIOR SPEAKER, S.T.D.

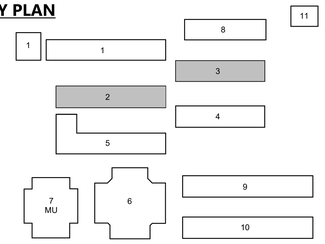
LEGEND - EXTERIOR ELEVATION GENERAL NOTES

1. FOR WINDOW AND STOREFRONT SIZES AND MOUNTING HEIGHTS SEE WINDOW SCHEDULE.
2. PATCH AND REPAIR EXTERIOR SURFACES AS NEEDED OR WHERE INDICATED
3. ALL WALL PATCHS TO BE PAINTED. MATCH EXISTING EXTERIOR WALL COLOR. PROVIDE A FLUSH TRANSITION BETWEEN EXISTING AND NEW SURFACES.
4. EXTERIOR REPAINTING SCOPE OF WORK:
   - A. REPAIR ALL DAMAGED SURFACES TO ACHIEVE A FLUSH, CLEAN FINISH.
   - B. SAND, CLEAN, AND RE-PRIME ALL EXISTING SURFACES.
   - C. REPAINT ALL EXISTING PAINTED SURFACES, INCLUDING BUT NOT LIMITED TO WALLS, WALKWAY SOFFITS, CONDUITS, PIPES, GUTTERS, DOWNSPOUTS, TRIM, AND DOOR AND WINDOW FRAMES OF EXISTING BUILDINGS.
   - D. REPAINT ALL PAINTED SITE EQUIPMENT, INCLUDING BUT NOT LIMITED TO BENCHES, CANOPY POSTS, BASKETBALL EQUIPMENT, AND FREESTANDING WALLS.
   - E. USE COLORS AS SPECIFIED IN THE DISTRICT-APPROVED COLOR PALETTE.
5. PAINT ALL DOOR FRAMES, WINDOW FRAMES AS INDICATED ON THE PLANS.

LEGEND - EXTERIOR ELEVATION

INFILL

KEY PLAN



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SHEET TITLE

BLDG 2 & 3 - EXTERIOR ELEVATIONS

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

SHEET NO.

2A-301

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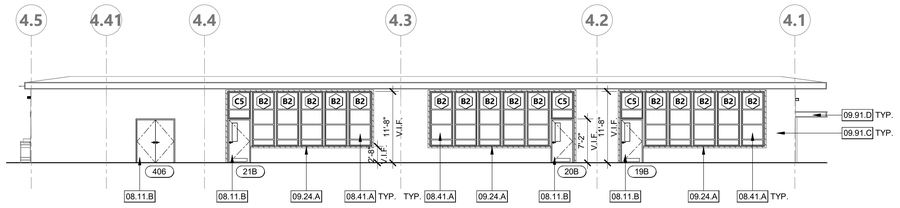

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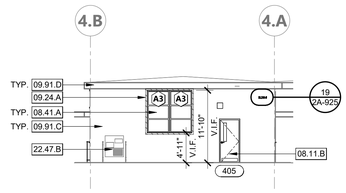

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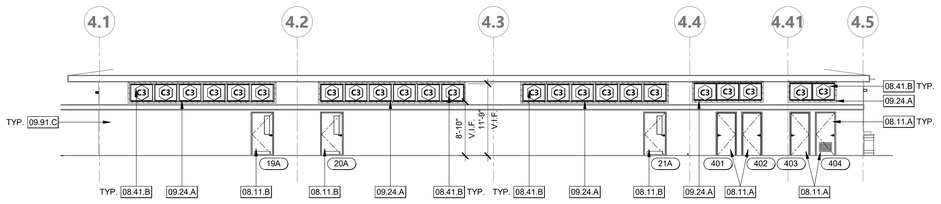

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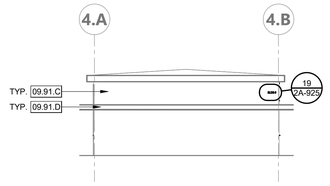
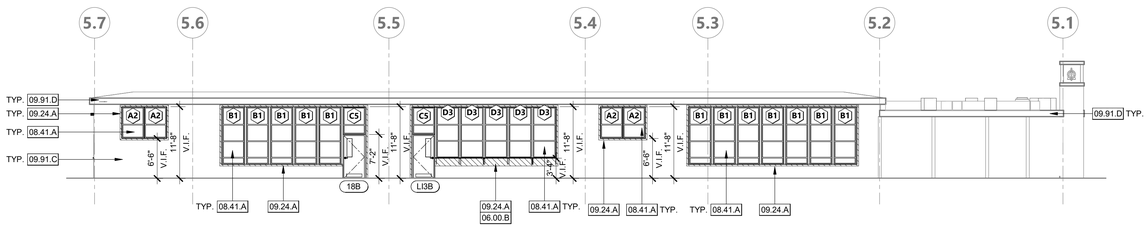


1W

(E) BUILDING 4 - EXTERIOR ELEVATIONS | 1" = 10'-0" | 1



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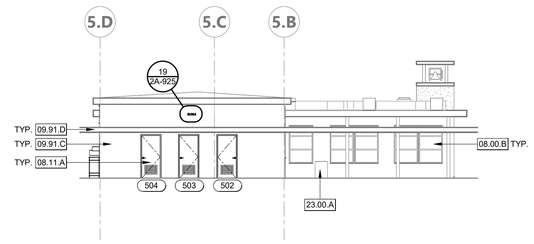

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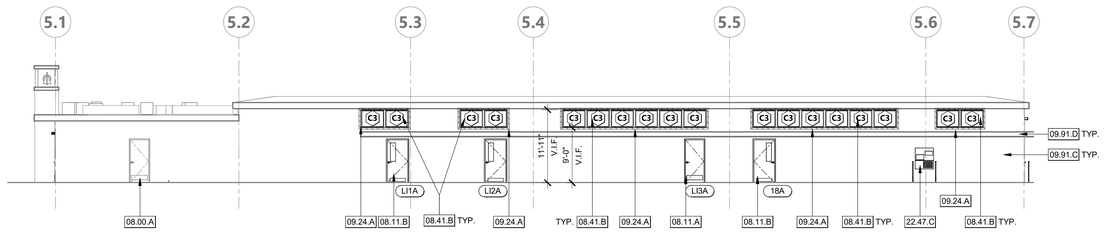

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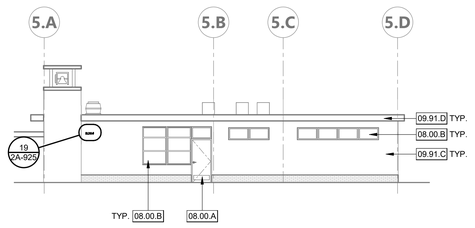

2W

(E) BUILDING 5 - EXTERIOR ELEVATIONS | 1" = 10'-0" | 2

KEYNOTES

06.00.B	INFILL (E) WINDOWS, SEE 8/2S-801
08.00.A	(E) DOOR TO REMAIN, PROTECT IN PLACE
08.00.B	(E) WINDOW TO REMAIN, PROTECT IN PLACE
08.11.A	(N) EXTERIOR FRP FLUSH DOOR INSTALLED IN EXISTING WOOD FRAME, SEE 6 & 12/2A-821
08.11.B	(N) EXTERIOR FRP FLUSH DOOR INSTALLED IN EXISTING METAL FRAME, SEE 7 & 9/2A-821
08.41.A	(N) ALUMINUM STOREFRONT WINDOW, SEE DETAILS 16, 19, & 20/2A-821
08.41.B	(N) ALUMINUM CLERESTORY WINDOW, SEE DETAILS 16, 19, & 20/2A-821
09.24.A	PATCH BUILDING PAPER, LATH, AND CEMENT PLASTER. PAINT TO MATCH ADJACENT. TYP. AT ALL NEW WINDOWS AND CLERESTORIES
09.91.C	ALL EXTERIOR SURFACES TO BE PAINTED, INCLUDING BUT NOT LIMITED TO WALLS, WOOD TRIMS, COVERED WALKWAYS, AND CONCRETE WALKWAYS. PATCH AND REPAIR AS NEEDED
09.91.D	REPAINT METAL FASCIAS, GUTTERS, FLASHINGS, DOWNSPOUTS, CANOPY POSTS OR SUPPORTS, MISC. METALS AND WALL/HVAC VENTS.
22.47.B	(E) HI-LOW DRINKING FOUNTAIN, SEE 19/2G-900
22.47.C	(N) ACCESSIBLE HI-LOW DRINKING FOUNTAIN, SEE 17/2G-900
23.00.A	(E) AIR HANDLING UNIT TO REMAIN, S.M.D.

LEGEND - EXTERIOR ELEVATION GENERAL NOTES

1. FOR WINDOW AND STOREFRONT SIZES AND MOUNTING HEIGHTS SEE WINDOW SCHEDULE.
2. PATCH AND REPAIR EXTERIOR SURFACES AS NEEDED OR WHERE INDICATED
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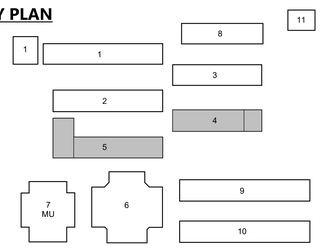
   - E. USE COLORS AS SPECIFIED IN THE DISTRICT-APPROVED COLOR PALETTE.
5. PAINT ALL DOOR FRAMES, WINDOW FRAMES AS INDICATED ON THE PLANS.

LEGEND - EXTERIOR ELEVATION

INFILL

KEY PLAN



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SHEET TITLE

BLDG 4 & 5 - EXTERIOR ELEVATIONS

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

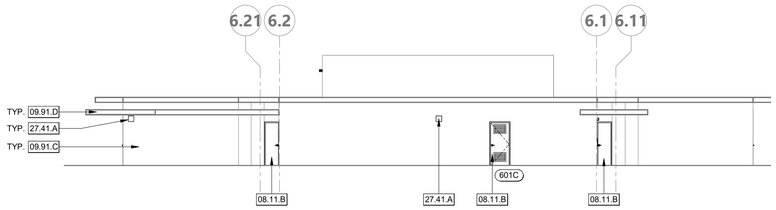
SHEET NO.

2A-302

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:11:08 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt



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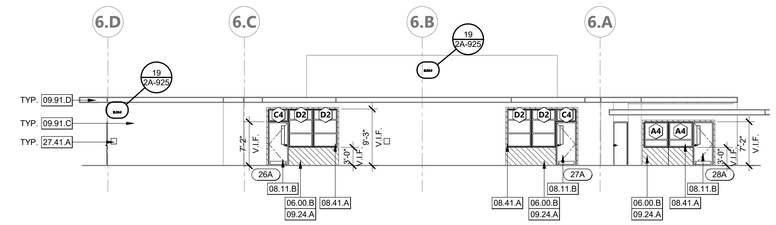

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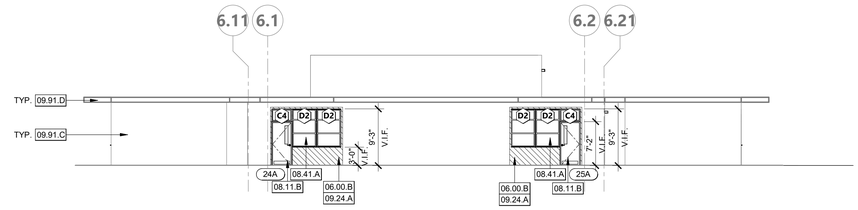

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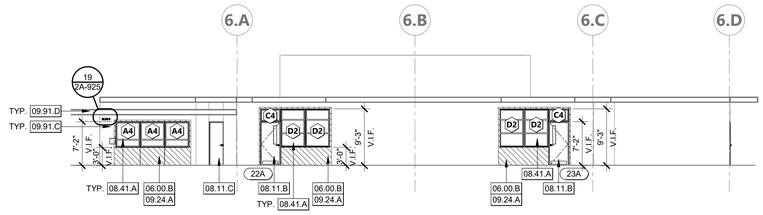

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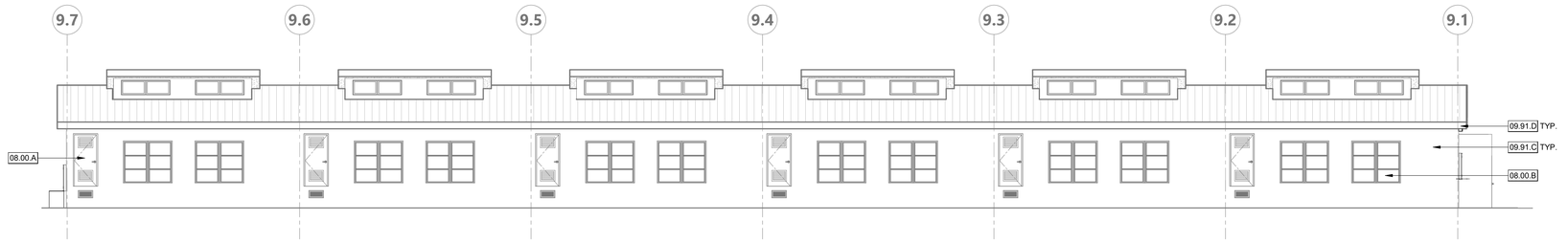
(E) BUILDING 6 - EXTERIOR ELEVATIONS | 1" = 10'-0" | 1



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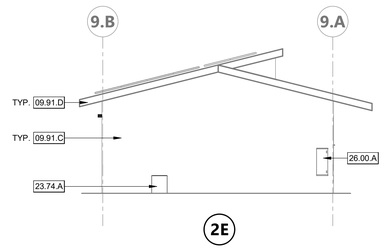

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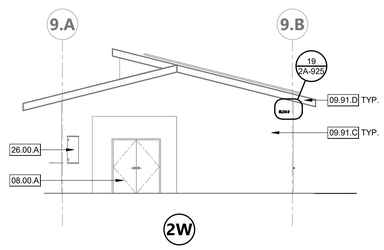

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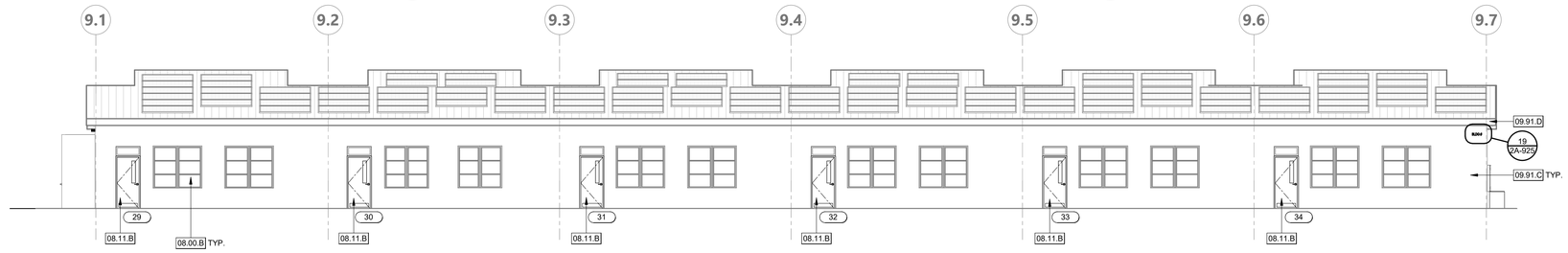


2S

(E) BUILDING 9 - EXTERIOR ELEVATIONS | 1" = 10'-0" | 2

KEYNOTES

06.00.B	INFILL (E) WINDOWS, SEE 8/2S-801
08.00.A	(E) DOOR TO REMAIN, PROTECT IN PLACE
08.00.B	(E) WINDOW TO REMAIN, PROTECT IN PLACE
08.11.B	(N) EXTERIOR FRP FLUSH DOOR INSTALLED IN EXISTING METAL FRAME, SEE 7 & 9/2A-821
08.11.C	(N) WOOD DOOR AND FRAME, SEE DOOR SCHEDULE AND 2A-821
08.41.A	(N) ALUMINUM STOREFRONT WINDOW, SEE DETAILS 16, 19, & 20/2A-821
09.24.A	PATCH BUILDING PAPER, LATH, AND CEMENT PLASTER. PAINT TO MATCH ADJACENT. TYP. AT ALL NEW WINDOWS AND CLERESTORIES
09.91.C	ALL EXTERIOR SURFACES TO BE PAINTED, INCLUDING BUT NOT LIMITED TO WALLS, WOOD TRIMS, COVERED WALKWAYS, AND CONCRETE WALKWAYS. PATCH AND REPAIR AS NEEDED
09.91.D	REPAINT METAL FASCIAS, GUTTERS, FLASHINGS, DOWNSPOUTS, CANOPY POSTS OR SUPPORTS, MISC. METALS AND WALL/HVAC VENTS.
23.74.A	(N) AIR CONDITIONING UNIT, S.M.D.
26.00.A	(E) ELECTRICAL EQUIPMENT TO REMAIN, PROTECT IN PLACE
27.41.A	(N) EXTERIOR SPEAKER, S.T.D.

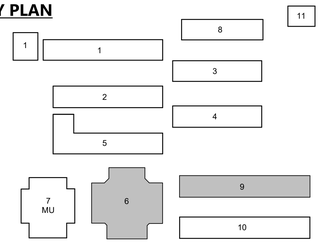
LEGEND - EXTERIOR ELEVATION GENERAL NOTES

1. FOR WINDOW AND STOREFRONT SIZES AND MOUNTING HEIGHTS SEE WINDOW SCHEDULE.
2. PATCH AND REPAIR EXTERIOR SURFACES AS NEEDED OR WHERE INDICATED
3. ALL WALL PATCHS TO BE PAINTED. MATCH EXISTING EXTERIOR WALL COLOR. PROVIDE A FLUSH TRANSITION BETWEEN EXISTING AND NEW SURFACES.
4. EXTERIOR REPAINTING SCOPE OF WORK:
   - A. REPAIR ALL DAMAGED SURFACES TO ACHIEVE A FLUSH, CLEAN FINISH.
   - B. SAND, CLEAN, AND RE-PRIME ALL EXISTING SURFACES.
   - C. REPAINT ALL EXISTING PAINTED SURFACES, INCLUDING BUT NOT LIMITED TO WALLS, WALKWAY SOFFITS, CONDUITS, PIPES, GUTTERS, DOWNSPOUTS, TRIM, AND DOOR AND WINDOW FRAMES OF EXISTING BUILDINGS.
   - D. REPAINT ALL PAINTED SITE EQUIPMENT, INCLUDING BUT NOT LIMITED TO BENCHES, CANOPY POSTS, BASKETBALL EQUIPMENT, AND FREESTANDING WALLS.
   - E. USE COLORS AS SPECIFIED IN THE DISTRICT-APPROVED COLOR PALETTE.
5. PAINT ALL DOOR FRAMES, WINDOW FRAMES AS INDICATED ON THE PLANS.

LEGEND - EXTERIOR ELEVATION

INFILL

KEY PLAN



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NO.	DATE	DESCRIPTION

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1936 Carlotta Way
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SHEET TITLE

BLDG 6 & 9 - EXTERIOR ELEVATIONS

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

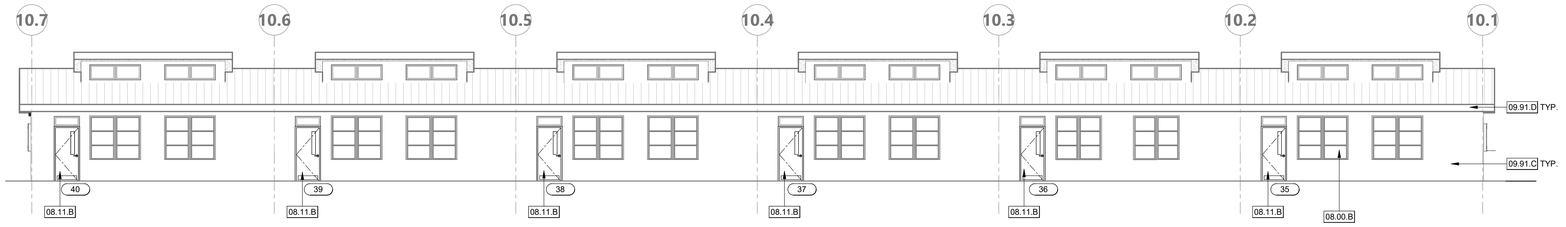
SHEET NO.

2A-303

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:11:13 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt



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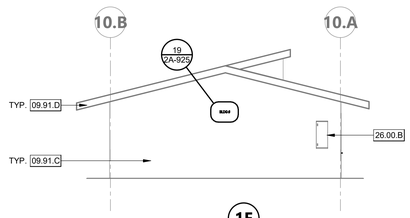

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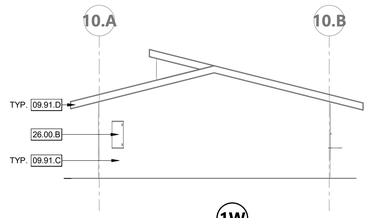

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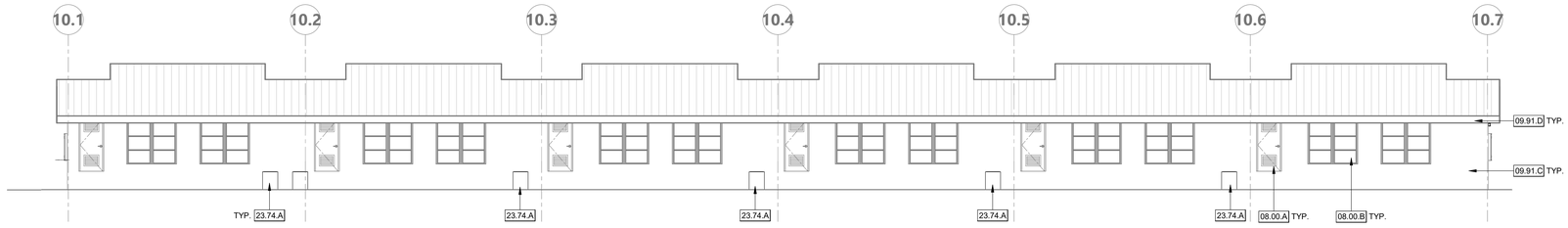

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(E) BUILDING 10 - EXTERIOR ELEVATIONS | 1" = 10'-0" | 1

KEYNOTES

08.00.A	(E) DOOR TO REMAIN, PROTECT IN PLACE
08.00.B	(E) WINDOW TO REMAIN, PROTECT IN PLACE
08.11.B	(N) EXTERIOR FRP FLUSH DOOR INSTALLED IN EXISTING METAL FRAME, SEE 7 & 9/2A-821
09.91.C	ALL EXTERIOR SURFACES TO BE PAINTED, INCLUDING BUT NOT LIMITED TO WALLS, WOOD TRIMS, COVERED WALKWAYS, AND CONCRETE WALKWAYS. PATCH AND REPAIR AS NEEDED
09.91.D	REPAINT METAL FASCIAS, GUTTERS, FLASHINGS, DOWNSPOUTS, CANOPY POSTS OR SUPPORTS, MISC. METALS AND WALL/HVAC VENTS.
23.74.A	(N) AIR CONDITIONING UNIT, S.M.D.
26.00.B	(E) ELECTRICAL PANEL, PROTECT IN PLACE, S.E.D.

LEGEND - EXTERIOR ELEVATION GENERAL NOTES

1. FOR WINDOW AND STOREFRONT SIZES AND MOUNTING HEIGHTS SEE WINDOW SCHEDULE.
2. PATCH AND REPAIR EXTERIOR SURFACES AS NEEDED OR WHERE INDICATED
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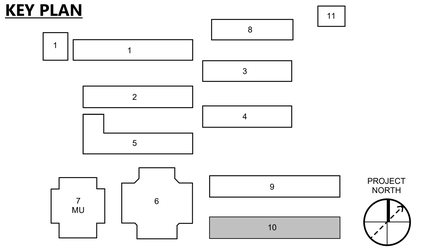
LEGEND - EXTERIOR ELEVATION

INFILL

KEY PLAN



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SHEET TITLE

BLDG 10 - EXTERIOR ELEVATIONS

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

SHEET NO.

2A-304

DATE: OCTOBER 16, 2024

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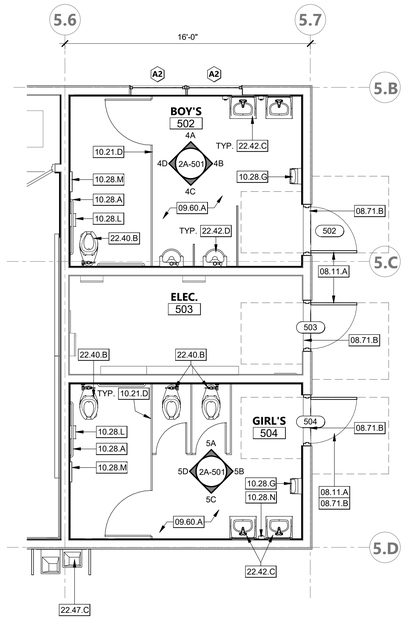
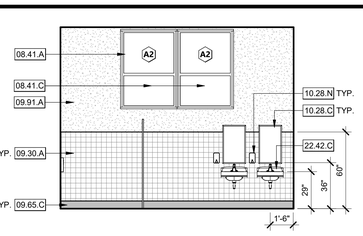


AGES 9-12

ENLARGED RR PLAN - BUILDING 5 | 1/4" = 1'-0" | 1



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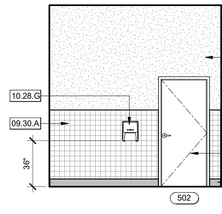

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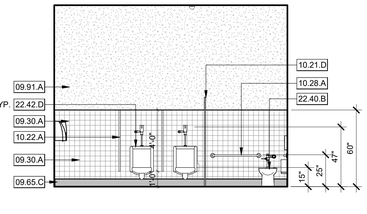

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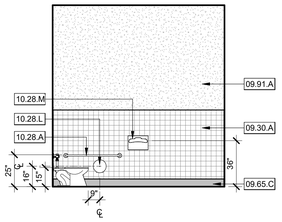

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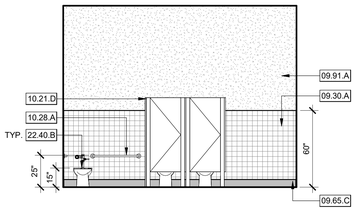
AGES 9-12

BOY'S RESTROOM ELEVATIONS - BUILDING 5 | 1/2" = 1'-0" | 4



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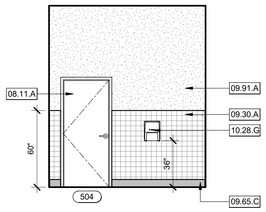

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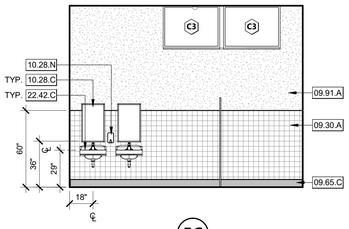

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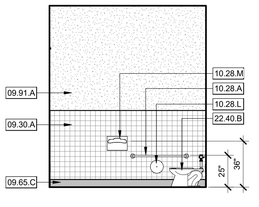


5D

AGES 9-12

GIRL'S RESTROOM ELEVATIONS - BUILDING 5 | 1/4" = 1'-0" | 5

ENLARGED RR PLAN - BUILDING 5 CLEAR | 1/4" = 1'-0" | 2

LEGEND - RESTROOM GENERAL NOTES

1. MOUNTING HEIGHTS SHOWN ARE TYPICAL, UNLESS OTHERWISE NOTED.
2. ALL ACCESSORIES SHALL BE ACCESSIBLE WITH A MAXIMUM REACH HEIGHT OF 40" ABOVE FINISH FLOOR.
3. SLOPE FLOORS 1/8" PER FOOT MINIMUM AND 1/4" PER FOOT MAXIMUM, UNLESS NOTED OTHERWISE.
4. SEE ENLARGED TOILET PLAN AND INTERIOR ELEVATION DRAWINGS FOR TOILET ACCESSORY LOCATIONS.
5. OWNER FURNISHED ACCESSORIES SHALL BE CONTRACTOR INSTALLED.
6. PROVIDE BACKING FOR GRAB BARS AND SHELVES PER DETAIL.
7. ALL FLOOR DRAINS SHALL HAVE 1/2" MAX. STRAINER OPENING IN ALL DIRECTIONS SEE DETAILS.
8. ALL DIMENSIONS FOR ACCESS COMPLIANCE ARE TO FACE OF FINISH.
9. PROVIDE UNDER LAVATORY GUARDS, MOLDED VINYL COVERING FOR SUPPLY AND DRAIN PIPING WITH FLIP TOP AT VALVE TO ALLOW SERVICE WITHOUT REMOVING COVERING.
10. THE SPACE BETWEEN WALL AND GRAB BAR SHALL BE 1 1/2". THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS BELOW AND AT THE ENDS SHALL BE 1 1/2" MIN. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS ABOVE SHALL BE 12" MIN.

CLEARANCE TO FINISH SURFACE

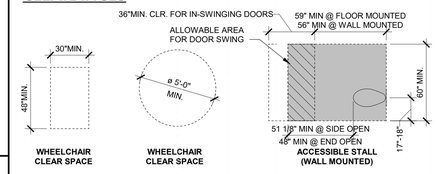
FIXTURE	ADULT	For Children's Use AGES 5-8	For Children's Use AGES 9-12
DISPENSER OR MIRROR HEIGHT	40" MAX.	40" MAX.	40" MAX.
DRINKING FOUNTAIN CANTILEVER PROJECTION	18"-19"	18"-19"	18"-19"
DRINKING FOUNTAIN SPOUT HEIGHT	38"-43"	38"-43"	38"-43"
DRINKING FOUTAIN BUBBLER HEIGHT (LOW)	36" MAX.	PARALLEL APPROACH 30" MAX	PARALLEL APPROACH 30" MAX
DRINKING FOUTAIN KNEE CLEARANCE	27" MIN.	27" MIN.	27" MIN.
LAVATORY/SINK KNEE CLEARANCE	27" MIN.	24" MIN.	24" MIN.
LAVATORY/SINK TOP HEIGHT	34" MAX.	31" MAX.	31" MAX.
TOILET CENTERLINE FROM WALL	17"-18"	12"-15"	15"-18"
TOILET PAPER DISPENSER OUTLET (A.F.F. TO CENTERLINE OF OUTLET OR ROLL)	19" MIN.	14"-17"	17"-19"
TOILET PAPER IN FRONT OF TOILET	7"-9"	7"-9"	7"-9"
TOILET SEAT HEIGHT (AT SEAT LID)	17"-19"	12"-15"	15"-17"
TOP OF GRAB BAR HEIGHT	33"-36"	20"-25"	25"-27"
URINAL FLUSH HANDLE HEIGHT	44" MAX.	44" MAX.	44" MAX.
URINAL LIP HEIGHT	17" MAX.	17" MAX.	17" MAX.
URINAL PROJECTION	13-1/2" MIN.	13-1/2" MIN.	13-1/2" MIN.

KEYNOTES

08.11.A	(N) EXTERIOR FRP FLUSH DOOR INSTALLED IN EXISTING WOOD FRAME, SEE 6 & 12/2A-821
08.41.A	(N) ALUMINUM STOREFRONT WINDOW, SEE DETAILS 16, 19, & 20/2A-821
08.41.C	PROVIDE FROSTED FINISH ON BOTTOM PANE OF WINDOW
08.71.B	DOOR THRESHOLD, SEE DETAIL 3/2A-821 AND S.C.D. FOR THRESHOLD CONDITIONS
09.30.A	(N) CERAMIC TILE. REFER TO FINISH SCHEDULE.
09.60.A	(N) LUXURY VINYL TILE FLOORING AND WALL BASE THROUGHOUT, SEE FINISH SCHEDULE FOR FLOORING INFORMATION
09.65.C	(N) INTEGRAL EPOXY COVE BASE, SEE DETAIL 12C/2A-921
09.91.A	PAINT ALL INTERIOR SURFACES, PATCH AS NEEDED
10.21.D	(N) FLOOR MOUNTED RESTROOM PARTITIONS, SEE DETAIL 9/2A-921
10.22.A	(N) URINAL SCREEN, SEE 8/2A-921
10.28.A	(N) GRAB BAR, SEE 4/2A-921
10.28.C	(N) MIRROR, SEE 3/2A-921
10.28.G	(E) PAPER TOWEL DISPENSER
10.28.L	(N) SURFACE MOUNT TOILET TISSUE DISPENSER
10.28.M	(N) SURFACE MOUNT TOILET SEAT COVER DISPENSER
10.28.N	(N) SURFACE MOUNT SOAP DISPENSER
22.40.B	(N) FLOOR MOUNTED TOILET, S.P.D.
22.42.C	(N) ACCESSIBLE LAVATORY, S.P.D.
22.42.D	(N) URINAL, S.P.D.
22.47.C	(N) ACCESSIBLE HI-LOW DRINKING FOUNTAIN, SEE 17/2G-900

LEGEND - ACCESSIBLE HEIGHTS CLEARANCES

FOR ADDITIONAL ACCESS REQUIREMENTS, SEE 2G-900



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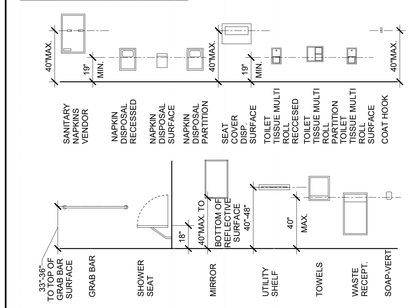
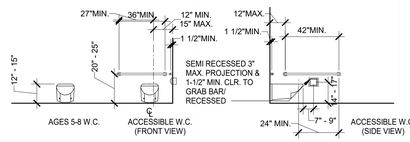
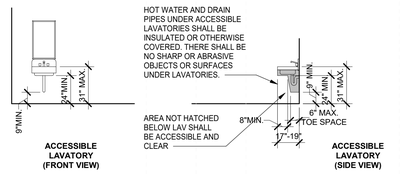
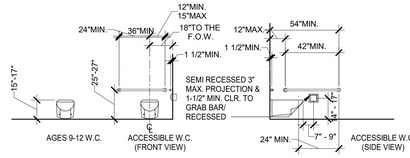


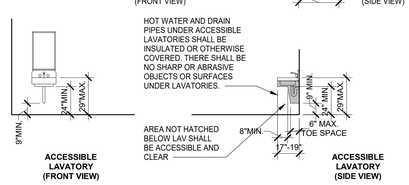
TOILET FIXTURE HEIGHTS - CHILDREN AGES 5-8





TOILET FIXTURE HEIGHTS - CHILDREN AGES 9-12





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PROFESSIONAL STAMP

LICENSED ARCHITECT MARIANA ALVAREZ MAY C-36108 REN 01-31-25 STATE OF CALIFORNIA

REVISIONS

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SHEET TITLE

BLDG 5 - ENLARGED PLANS AND ELEVATIONS

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

SHEET NO.

2A-501

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt
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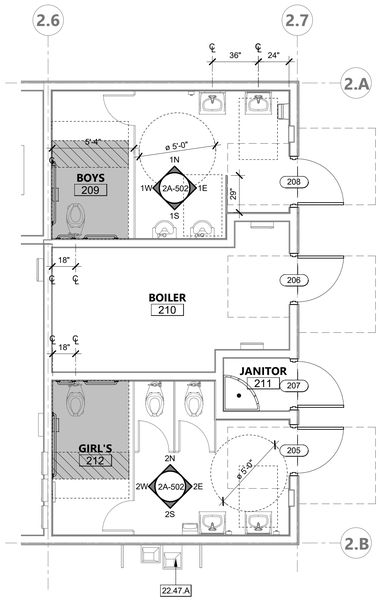
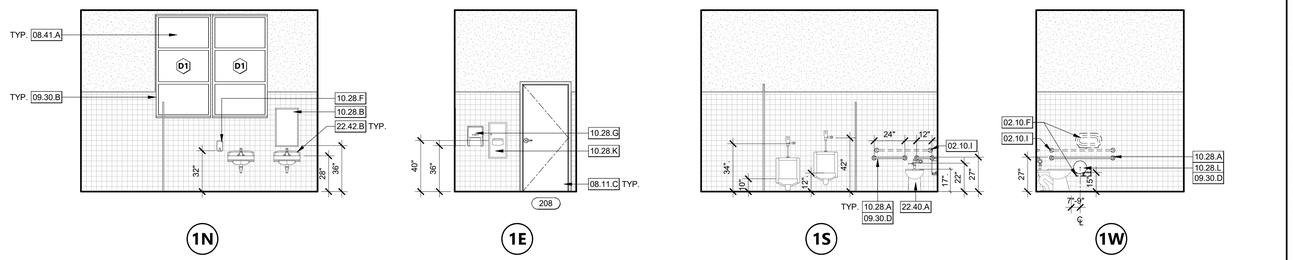


DSA #01-105351

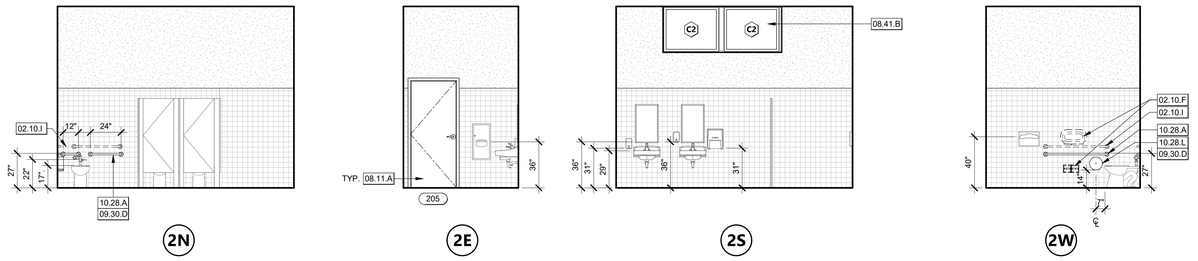
ENLARGED RR CLEARANCE PLAN - BLDG 2 | 1/4" = 1'-0" | 3



1N 1E 1S 1W

AGES 9-12

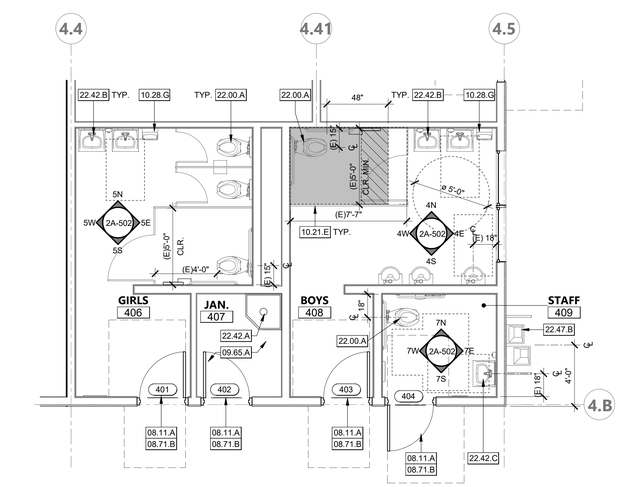
BOY'S RESTROOM ELEVATIONS - BUILDING 2 | 1/4" = 1'-0" | 1



2N 2E 2S 2W

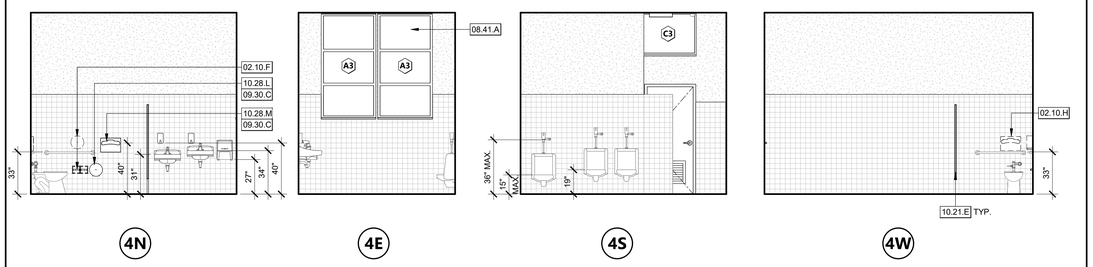
AGES 9-12

GIRL'S RESTROOM ELEVATIONS - BUILDING 2 | 1/4" = 1'-0" | 2



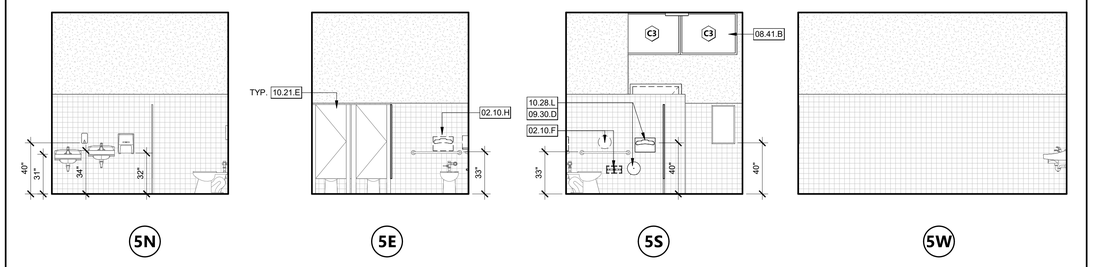
DSA #01-105351

ENLARGED RR CLEARANCE PLAN - BLDG 4 | 1/4" = 1'-0" | 6



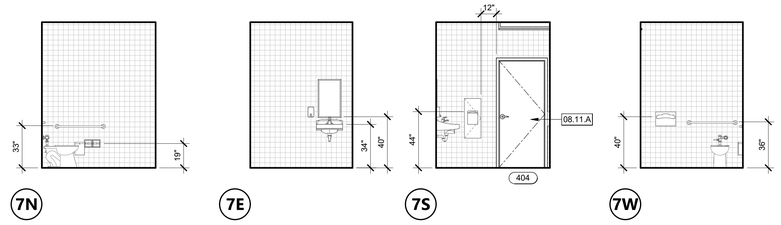
4N 4E 4S 4W

BOY'S RESTROOM ELEVATIONS - BUILDING 4 | 1/4" = 1'-0" | 4



5N 5E 5S 5W

GIRL'S RESTROOM ELEVATIONS - BUILDING 4 | 1/4" = 1'-0" | 5



7N 7E 7S 7W

UNISEX RESTROOM ELEVATIONS - BUILDING 4 | 1/4" = 1'-0" | 7

LEGEND - RESTROOM GENERAL NOTES

1. MOUNTING HEIGHTS SHOWN ARE TYPICAL, UNLESS OTHERWISE NOTED.
2. ALL ACCESSORIES SHALL BE ACCESSIBLE WITH A MAXIMUM REACH HEIGHT OF 40" ABOVE FINISH FLOOR.
3. SLOPE FLOORS 1/8" PER FOOT MINIMUM AND 1/4" PER FOOT MAXIMUM, UNLESS NOTED OTHERWISE.
4. SEE ENLARGED TOILET PLAN AND INTERIOR ELEVATION DRAWINGS FOR TOILET ACCESSORY LOCATIONS.
5. OWNER FURNISHED ACCESSORIES SHALL BE CONTRACTOR INSTALLED.
6. PROVIDE BACKING FOR GRAB BARS AND SHELVES PER DETAIL.
7. ALL FLOOR DRAINS SHALL HAVE 1/2" MAX. STRAINER OPENING IN ALL DIRECTIONS SEE DETAILS.
8. ALL DIMENSIONS FOR ACCESS COMPLIANCE ARE TO FACE OF FINISH.
9. PROVIDE UNDER LAVATORY GUARDS, MOLDED VINYL COVERING FOR SUPPLY AND DRAIN PIPING WITH FLIP TOP AT VALVE TO ALLOW SERVICE WITHOUT REMOVING COVERING.
10. THE SPACE BETWEEN WALL AND GRAB BAR SHALL BE 1 1/2". THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS BELOW AND AT THE ENDS SHALL BE 1 1/2" MIN. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS ABOVE SHALL BE 12" MIN.

CLEARANCE TO FINISH SURFACE

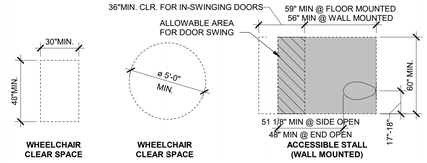
FIXTURE	ADULT	For Children's Use AGES 5-8	For Children's Use AGES 9-12
DISPENSER OR MIRROR HEIGHT	40" MAX.	40" MAX.	40" MAX.
DRINKING FOUNTAIN CANTILEVER PROJECTION	18"-19"	18"-19"	18"-19"
DRINKING FOUNTAIN SPOUT HEIGHT	38"-43"	38"-43"	38"-43"
DRINKING FOUTAIN BUBBLER HEIGHT (LOW)	36" MAX.	PARALLEL APPROACH 30" MAX	PARALLEL APPROACH 30" MAX
DRINKING FOUTAIN KNEE CLEARANCE	27" MIN.	27" MIN.	27" MIN.
LAVATORY/SINK KNEE CLEARANCE	27" MIN.	24" MIN.	24" MIN.
LAVATORY/SINK TOP HEIGHT	34" MAX.	31" MAX.	31" MAX.
TOILET CENTERLINE FROM WALL	17"-18"	12"-15"	15"-18"
TOILET PAPER DISPENSER OUTLET (A.F.F. TO CENTERLINE OF OUTLET OR ROLL)	19" MIN.	14"-17"	17"-19"
TOILET PAPER IN FRONT OF TOILET	7"-9"	7"-9"	7"-9"
TOILET SEAT HEIGHT (AT SEAT LID)	17"-19"	12"-15"	15"-17"
TOP OF GRAB BAR HEIGHT	33"-36"	20"-25"	25"-27"
URINAL FLUSH HANDLE HEIGHT	44" MAX.	44" MAX.	44" MAX.
URINAL LIP HEIGHT	17" MAX.	17" MAX.	17" MAX.
URINAL PROJECTION	13-1/2" MIN.	13-1/2" MIN.	13-1/2" MIN.

KEYNOTES

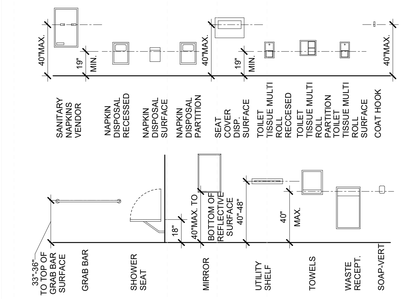
02.10.F	(E) TOILET PAPER DISPENSER TO BE REMOVED AND RETURNED TO DISTRICT, PATCH AND REPAIR WITH OPCI TILES TO MATCH (E) FINISH
02.10.H	(E) SEAT COVER DISPENSER TO BE REMOVED AND REINSTALLED IN NEW LOCATION, PATCH AND REPAIR WITH OPCI TILES TO MATCH (E) FINISH
02.10.I	(E) GRAB BAR TO BE DEMOLISHED, PATCH AND REPAIR WITH OPCI TILES TO MATCH (E) FINISH
08.11.A	(N) EXTERIOR FRP FLUSH DOOR INSTALLED IN EXISTING WOOD FRAME, SEE 6 & 12/2A-821
08.11.C	(N) WOOD DOOR AND FRAME, SEE DOOR SCHEDULE AND 2A-821
08.41.A	(N) ALUMINUM STOREFRONT WINDOW, SEE DETAILS 16, 19, & 20/2A-821
08.41.B	(N) ALUMINUM CLERESTORY WINDOW, SEE DETAILS 16, 19, & 20/2A-821
08.71.B	DOOR THRESHOLD, SEE DETAIL 3/2A-821 AND S.C.D. FOR THRESHOLD CONDITIONS
09.30.B	REPAIR TILES FROM WINDOW REPLACEMENT
09.30.C	HOLD TILE WHERE WALL MOUNTED ACCESSORY CROSSES TOP OF WAINSCOT. TILE TO BUTT UP TO WALL MOUNTED ACCESSORY
09.30.D	REMOVE PORTION OF FINISH AND BACKING AS NECESSARY TO INSTALL ACCESSORIES, PATCH AND REPAIR WITH OPCI TILES TO MATCH (E) FINISH
09.65.A	(N) EPOXY FLOORING (RESINOUS FLOORING) AND BASE THROUGHOUT, REFER TO FINISH SCHEDULE
10.21.E	(E) RESTROOM PARTITIONS
10.28.A	(N) GRAB BAR, SEE 4/2A-921
10.28.B	(E) MIRROR
10.28.F	(E) SOAP DISPENSER
10.28.G	(E) PAPER TOWEL DISPENSER
10.28.K	(E) RECESS MOUNT COMBO PAPER TOWEL DISTPENSER AND RECEPTACLE
10.28.L	(N) SURFACE MOUNT TOILET TISSUE DISPENSER
10.28.M	(N) SURFACE MOUNT TOILET SEAT COVER DISPENSER
22.00.A	(E) PLUMBING FIXTURE TO REMAIN
22.40.A	(E) FLOOR MOUNTED TOILET, PROTECT IN PLACE
22.42.A	MOP SINK, S.P.D.
22.42.B	(E) SINK TO REMAIN, PROTECT IN PLACE
22.42.C	(N) ACCESSIBLE LAVATORY, S.P.D.
22.47.A	(E) HI-LOW DRINKING FOUNTAIN WITH HYDRATION STATION, SEE 25/2G-900
22.47.B	(E) HI-LOW DRINKING FOUNTAIN, SEE 19/2G-900

LEGEND - ACCESSIBLE HEIGHTS CLEARANCES

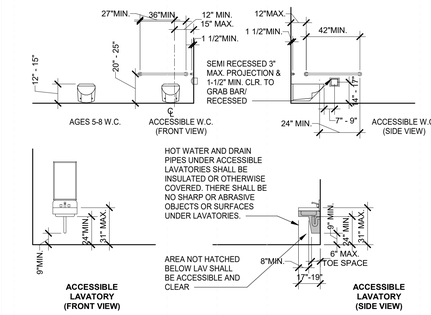
FOR ADDITIONAL ACCESS REQUIREMENTS, SEE 2G-900



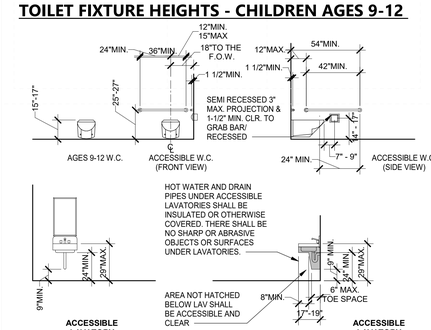
MOUNTING HEIGHTS



TOILET FIXTURE HEIGHTS - CHILDREN AGES 5-8



TOILET FIXTURE HEIGHTS - CHILDREN AGES 9-12



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REVISIONS

NO.	DATE	DESCRIPTION

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SHEET TITLE

BLDG 2 & 4 - ENLARGED PLANS & ELEVATIONS

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

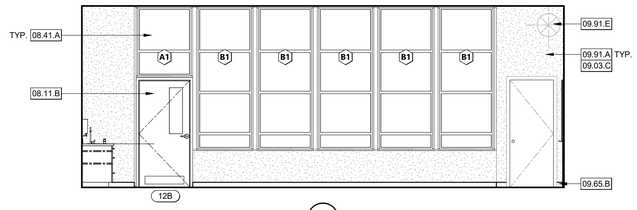
SHEET NO.

2A-502

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:11:32 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt



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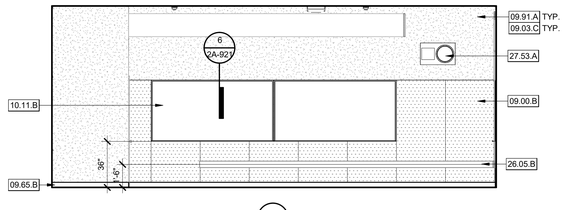

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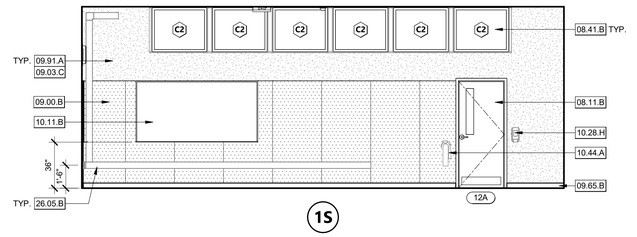

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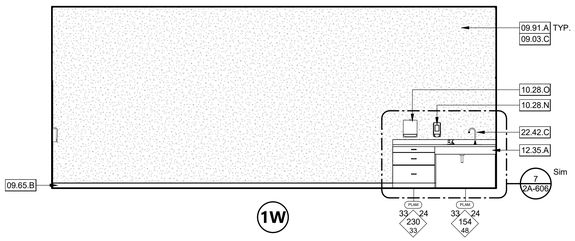


1W

KEYNOTES

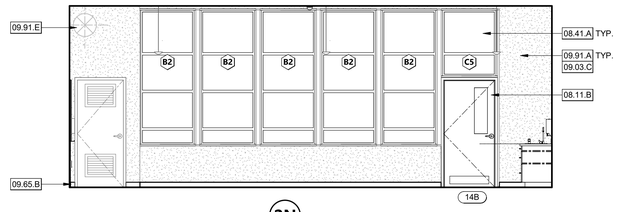
08.11.B	(N) EXTERIOR FRP FLUSH DOOR INSTALLED IN EXISTING METAL FRAME, SEE 7 & 9/2A-821
08.41.A	(N) ALUMINUM STOREFRONT WINDOW, SEE DETAILS 16, 19, & 20/2A-821
08.41.B	(N) ALUMINUM CLERESTORY WINDOW, SEE DETAILS 16, 19, & 20/2A-821
09.00.B	(E) TACKABLE WALL PANELS TO REMAIN, PROTECT IN PLACE. PAINT P1 PER FINISH SCHEDULE.
09.03.C	APPLY SKIM COAT TO (E) SURFACES WHERE TACKABLE, CASEWORK, AND OTHER ITEMS ATTACHED TO THE WALLS THAT HAVE BEEN DEMOLISHED TO ENSURE A CLEAN AND SMOOTH SURFACE FOR INTERIOR PAINTING
09.65.B	(N) RESILIENT WALL BASE. REFER TO FINISH SCHEDULE & SEE DETAIL 12B/2A-921
09.70.A	(N) TACKABLE WALL PANELS, SEE DETAIL 7/2A-921
09.91.A	PAINT ALL INTERIOR SURFACES, PATCH AS NEEDED
09.91.E	(N) PAINT AT EXISTING HVAC HOUSING AND DUCTWORK TO MATCH WALL COLOR, COVER AND PROTECT VENTS DURING PAITNING. SEE FINISH SCHEDULE
10.11.B	(N) WALL MOUNTED 4'X8' WHITEBOARDS; (3) TOTAL PER CLASSROOM. SEE DETAIL 6/2A-921
10.28.H	REINSTALL HAND SANITIZER DISPENSER AT EXISTING LOCATION
10.28.N	(N) SURFACE MOUNT SOAP DISPENSER
10.28.O	(N) SURFACE MOUNT PAPER TOWEL DISPENSER
10.44.A	(E) FIRE EXTINGUISHER TO BE REMOVED AND REINSTALLED
12.35.A	(N) PLASTIC LAMINATED FACED ARCHITECTURAL CABINETS, SEE 2A-931
22.42.C	(N) ACCESSIBLE LAVATORY, S.P.D.
26.00.A	(E) ELECTRICAL EQUIPMENT TO REMAIN, PROTECT IN PLACE
26.05.B	(N) WIRE-MOLDING, S.E.D. & S.TI.D.
26.51.B	(E) LIGHT FIXTURE TO REMAIN, GC MAY REMOVE AND REINSTALL FOR WORK AT NEW CEILING
27.53.A	(N) CLOCK SYSTEM AT ORIGINAL CLOCK LOCATION, S.T.D.

LEGEND - INTERIOR ELEVATION GENERAL NOTES

1. FOR WINDOW AND STOREFRONT SIZES AND MOUNTING HEIGHTS SEE SHEET 2A-812.
2. ALL STEEL TO BE GALVANIZED AND PAINTED.
3. WALL BASE TO BE B1, UON.
4. ALL FINISHES AND PAINT COLORS TO TERMINATE AT INSIDE COLOR, UON.
5. ALL HEIGHT DIMENSIONS IN ELEVATIONS TAKEN FROM THE TOP OF FINISH FLOOR (A.F.F.)
6. REFER TO 2G-900 FOR RESTROOM ACCESSORIES AND TYPICAL MOUNTING HEIGHTS.
7. FOR TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND CLEARANCES REFER TO SHEET 2G-900
8. REFER TO SHEET 2A-211 & 2A-212 REFLECTED CEILING PLAN FOR CEILING HEIGHTS AND FINISH INFORMATION.

CLASSROOM ELEVATIONS - (E) BUILDING 2

1/4" = 1'-0" | 1



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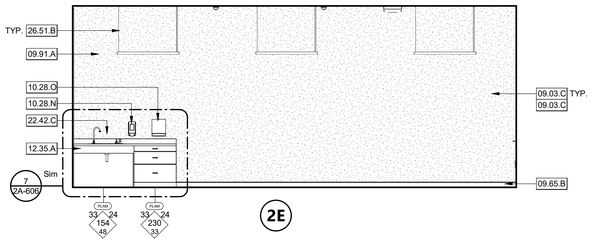

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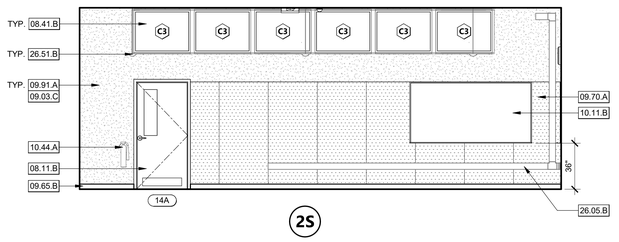

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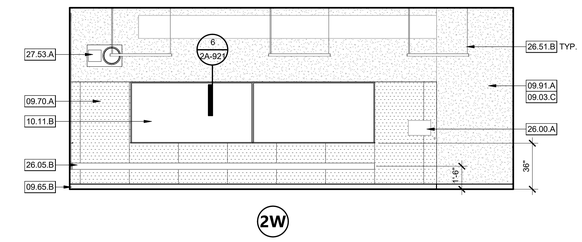

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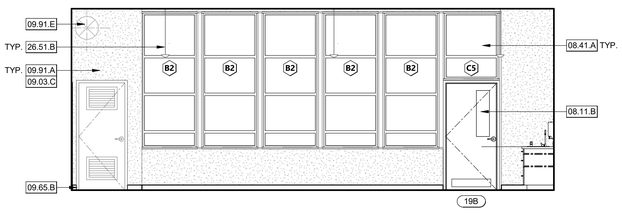
CLASSROOM ELEVATIONS - (E) BUILDING 3

1/4" = 1'-0" | 2



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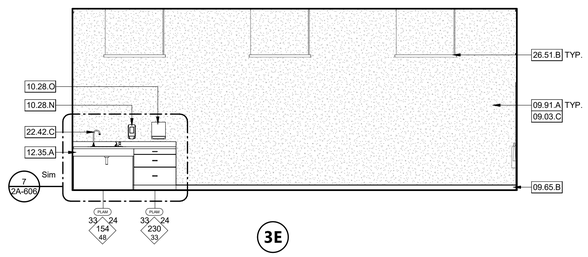

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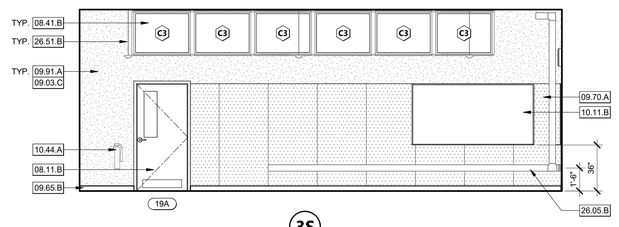

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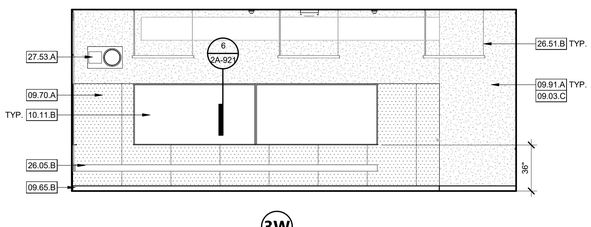

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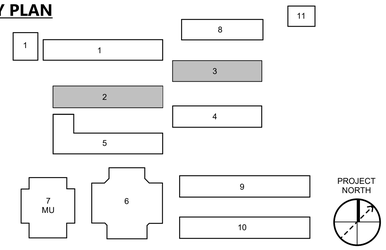
CLASSROOM ELEVATIONS - (E) BUILDING 4

1/4" = 1'-0" | 3

KEY PLAN



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REVISIONS

NO.	DATE	DESCRIPTION

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SHEET TITLE

BLDG 2, 3, & 4 - INTERIOR ELEVATIONS

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

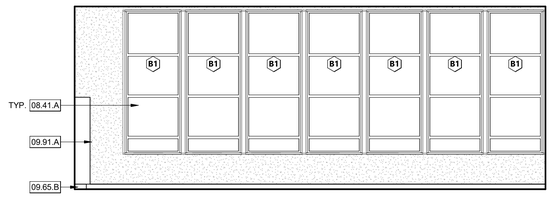
SHEET NO.

2A-601

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:11:38 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt



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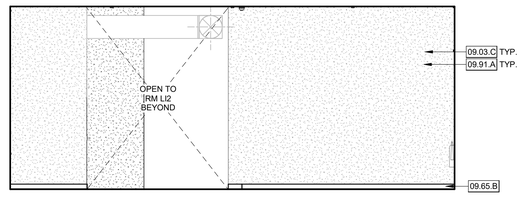

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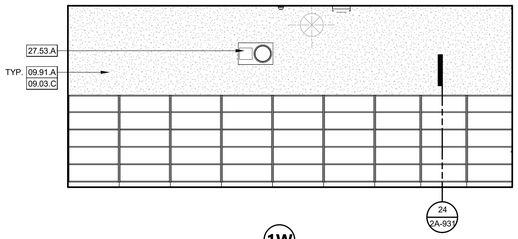

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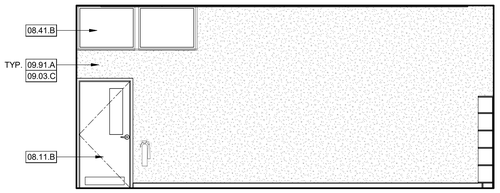

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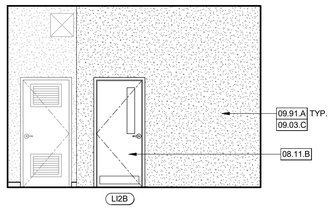
LI1 - LIBRARY ELEVATIONS - (E) BUILDING 5

1/4" = 1'-0" | 1



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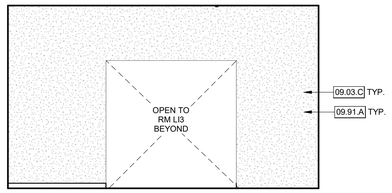

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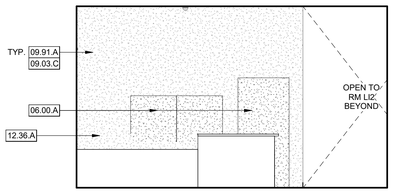

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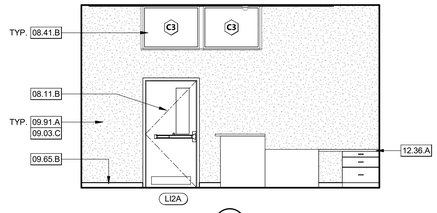

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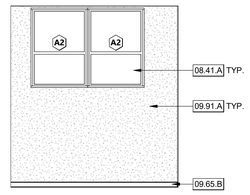
LI2 - LIBRARY ELEVATIONS - (E) BUILDING 5

1/4" = 1'-0" | 2



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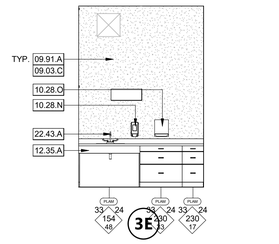

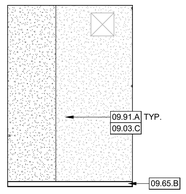

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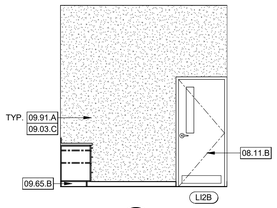

3S

506 - STORAGE ELEVATIONS - (E) BUILDING 5

1/4" = 1'-0" | 3

4N

4E

4W

4S

LI3 - LIBRARY ELEVATIONS - (E) BUILDING 5

1/4" = 1'-0" | 4

KEYNOTES

06.00.A	INFILL (E) WALL, SEE 8/2S-801
08.11.A	(N) EXTERIOR FRP FLUSH DOOR INSTALLED IN EXISTING WOOD FRAME, SEE 6 & 12/2A-821
08.11.B	(N) EXTERIOR FRP FLUSH DOOR INSTALLED IN EXISTING METAL FRAME, SEE 7 & 9/2A-821
08.41.A	(N) ALUMINUM STOREFRONT WINDOW, SEE DETAILS 16, 19, & 20/2A-821
08.41.B	(N) ALUMINUM CLERESTORY WINDOW, SEE DETAILS 16, 19, & 20/2A-821
09.03.C	APPLY SKIM COAT TO (E) SURFACES WHERE TACKABLE, CASEWORK, AND OTHER ITEMS ATTACHED TO THE WALLS THAT HAVE BEEN DEMOLISHED TO ENSURE A CLEAN AND SMOOTH SURFACE FOR INTERIOR PAINTING
09.65.B	(N) RESILIENT WALL BASE. REFER TO FINISH SCHEDULE & SEE DETAIL 12B/2A-921
09.84.B	(N) DECORATIVE FELT WALL ART AND ATTACHMENTS, PER CSI
09.84.C	(N) ACOUSTIC WALL PARTITION WITH TOP TRACK HUNG FELT PANELS, SEE DETAIL 17 & 18/2A-921
09.91.A	PAINT ALL INTERIOR SURFACES, PATCH AS NEEDED
10.11.B	(N) WALL MOUNTED 4'X8' WHITEBOARDS; (3) TOTAL PER CLASSROOM. SEE DETAIL 6/2A-921
10.28.N	(N) SURFACE MOUNT SOAP DISPENSER
10.28.O	(N) SURFACE MOUNT PAPER TOWEL DISPENSER
12.35.A	(N) PLASTIC LAMINATED FACED ARCHITECTURAL CABINETS, SEE 2A-931
12.35.D	ADD BACKING FOR FUTURE CASEWORK
12.36.A	TRANSACTION COUNTERTOP. SOLID SURFACE, TYP
22.43.A	(N) ACCESSIBLE SINK, SEE DETAIL 1/2A-921
27.53.A	(N) CLOCK SYSTEM AT ORIGINAL CLOCK LOCATION, S.T.D.

LEGEND - INTERIOR ELEVATION GENERAL NOTES

1. FOR WINDOW AND STOREFRONT SIZES AND MOUNTING HEIGHTS SEE SHEET 2A-812.
2. ALL STEEL TO BE GALVANIZED AND PAINTED.
3. WALL BASE TO BE B1, UON.
4. ALL FINISHES AND PAINT COLORS TO TERMINATE AT INSIDE COLOR, UON.
5. ALL HEIGHT DIMENSIONS IN ELEVATIONS TAKEN FROM THE TOP OF FINISH FLOOR (A.F.F.)
6. REFER TO 2G-900 FOR RESTROOM ACCESSORIES AND TYPICAL MOUNTING HEIGHTS.
7. FOR TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND CLEARANCES REFER TO SHEET 2G-900
8. REFER TO SHEET 2A-211 & 2A-212 REFLECTED CEILING PLAN FOR CEILING HEIGHTS AND FINISH INFORMATION.

KEY PLAN

AGENCY APPROVAL DSA# 01-121407

991 W HEDDING ST., SUITE 101
SAN JOSE, CA 95126
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KMM Services, Inc.
5433 El Camino Ave. Suite 5
Carmichael, CA 95608
TEL (916) 359-4000

PROFESSIONAL STAMP



REVISIONS

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 5 - INTERIOR ELEVATIONS

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

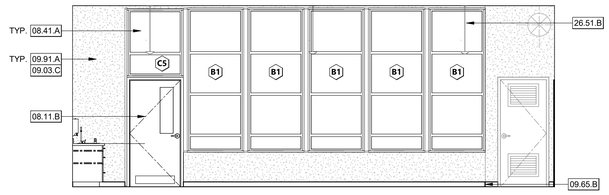
SHEET NO.

2A-602

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:11:44 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt



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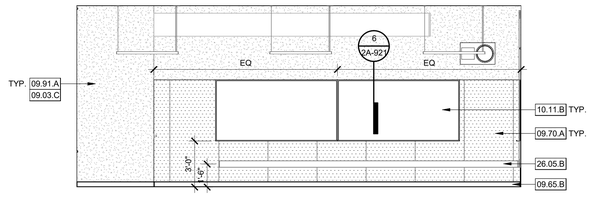

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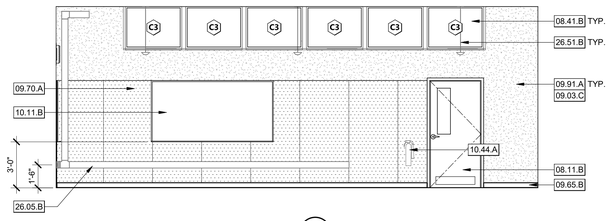

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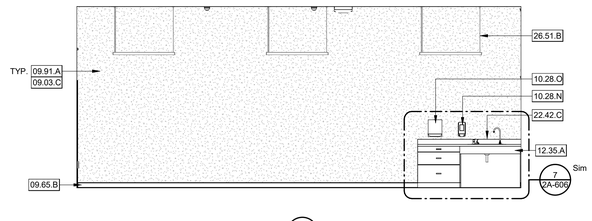

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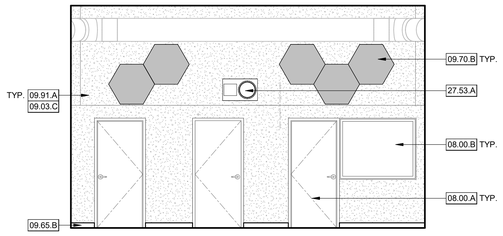
CLASSROOM ELEVATIONS - (E) BUILDING 5

1/4" = 1'-0" | 2



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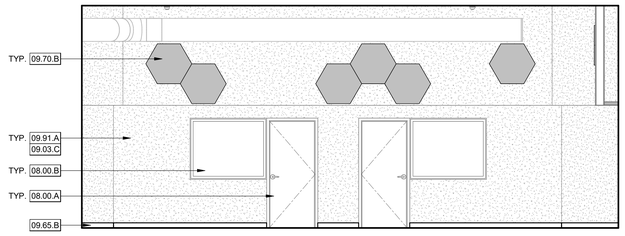

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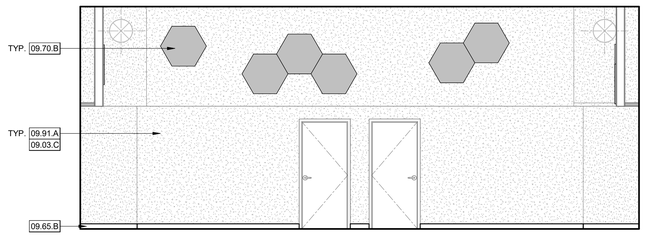

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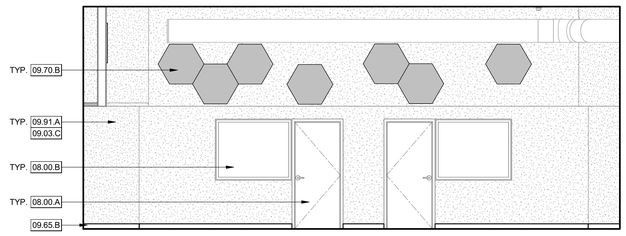
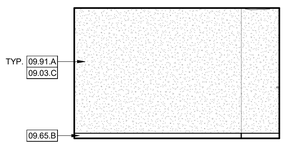


2W

SHARED CLASSROOM ELEVATIONS - (E) BUILDING 6

1/4" = 1'-0" | 2



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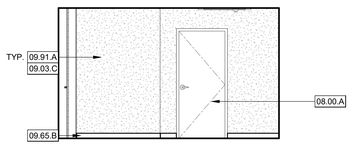

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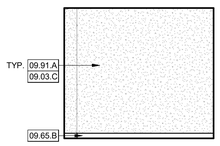

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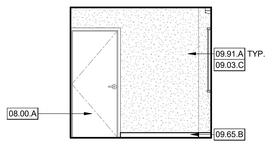

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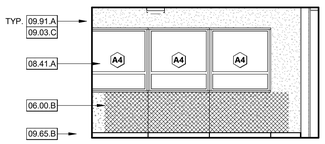


3W

CONFERENCE ROOM ELEVATIONS - (E) BUILDING 6

1/4" = 1'-0" | 3

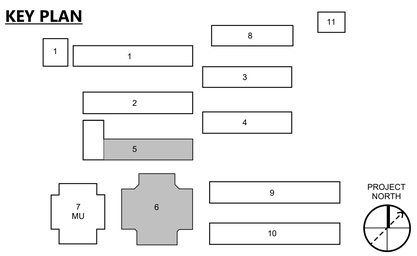
KEYNOTES

06.00.B	INFILL (E) WINDOWS, SEE 8/2S-801
08.00.A	(E) DOOR TO REMAIN, PROTECT IN PLACE
08.00.B	(E) WINDOW TO REMAIN, PROTECT IN PLACE
08.11.B	(N) EXTERIOR FRP FLUSH DOOR INSTALLED IN EXISTING METAL FRAME, SEE 7 & 9/2A-821
08.41.A	(N) ALUMINUM STOREFRONT WINDOW, SEE DETAILS 16, 19, & 20/2A-821
08.41.B	(N) ALUMINUM CLERESTORY WINDOW, SEE DETAILS 16, 19, & 20/2A-821
09.03.C	APPLY SKIM COAT TO (E) SURFACES WHERE TACKABLE, CASEWORK, AND OTHER ITEMS ATTACHED TO THE WALLS THAT HAVE BEEN DEMOLISHED TO ENSURE A CLEAN AND SMOOTH SURFACE FOR INTERIOR PAINTING
09.65.B	(N) RESILIENT WALL BASE. REFER TO FINISH SCHEDULE & SEE DETAIL 12B/2A-921
09.70.A	(N) TACKABLE WALL PANELS, SEE DETAIL 7/2A-921
09.70.B	(N) WALL MOUNTED HEXAGON ACOUSTIC PANEL
09.91.A	PAINT ALL INTERIOR SURFACES, PATCH AS NEEDED
10.11.B	(N) WALL MOUNTED 4'X8' WHITEBOARDS; (3) TOTAL PER CLASSROOM. SEE DETAIL 6/2A-921
10.28.N	(N) SURFACE MOUNT SOAP DISPENSER
10.28.O	(N) SURFACE MOUNT PAPER TOWEL DISPENSER
10.44.A	(E) FIRE EXTINGUISHER TO BE REMOVED AND REINSTALLED
12.35.A	(N) PLASTIC LAMINATED FACED ARCHITECTURAL CABINETS, SEE 2A-931
22.42.C	(N) ACCESSIBLE LAVATORY, S.P.D.
26.05.B	(N) WIRE-MOLDING, S.E.D. & S.TI.D.
26.51.B	(E) LIGHT FIXTURE TO REMAIN, GC MAY REMOVE AND REINSTALL FOR WORK AT NEW CEILING
27.53.A	(N) CLOCK SYSTEM AT ORIGINAL CLOCK LOCATION, S.T.D.

LEGEND - INTERIOR ELEVATION GENERAL NOTES

1. FOR WINDOW AND STOREFRONT SIZES AND MOUNTING HEIGHTS SEE SHEET 2A-812.
2. ALL STEEL TO BE GALVANIZED AND PAINTED.
3. WALL BASE TO BE B1, UON.
4. ALL FINISHES AND PAINT COLORS TO TERMINATE AT INSIDE COLOR, UON.
5. ALL HEIGHT DIMENSIONS IN ELEVATIONS TAKEN FROM THE TOP OF FINISH FLOOR (A.F.F.)
6. REFER TO 2G-900 FOR RESTROOM ACCESSORIES AND TYPICAL MOUNTING HEIGHTS.
7. FOR TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND CLEARANCES REFER TO SHEET 2G-900
8. REFER TO SHEET 2A-211 & 2A-212 REFLECTED CEILING PLAN FOR CEILING HEIGHTS AND FINISH INFORMATION.

KEY PLAN



AGENCY APPROVAL DSA# 01-121407

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5433 El Camino Ave. Suite 5
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PROFESSIONAL STAMP

LICENSED ARCHITECT
MARIANA ALVAREZ PARKER
C-36108
REN. 01-31-25
STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 5 & 6 - INTERIOR ELEVATIONS

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

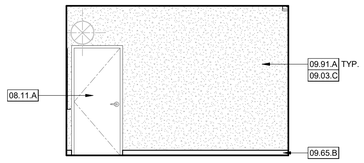
SHEET NO.

2A-603

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:11:49 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt



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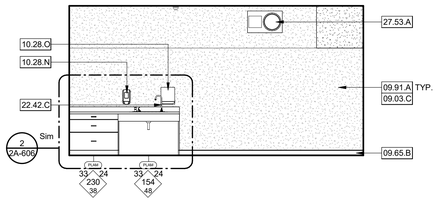

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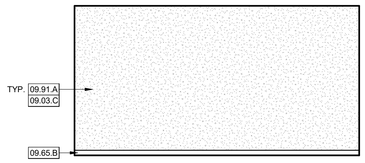

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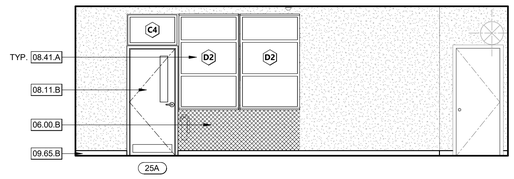

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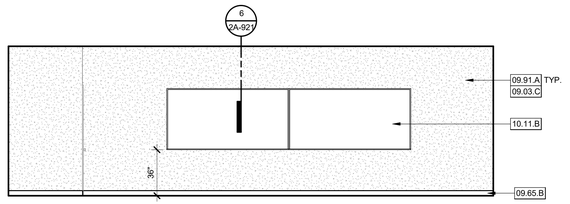


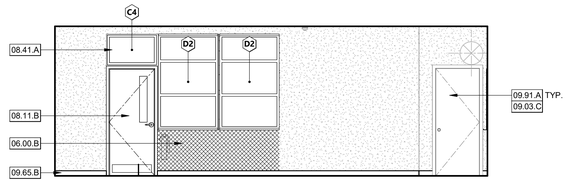
1W

TYP. CLASSROOM ELEVATIONS - (E) BUILDING 6

1/4" = 1'-0" | 1



2N



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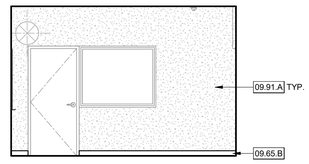

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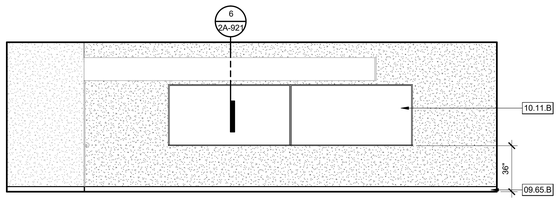

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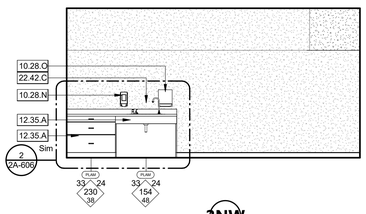
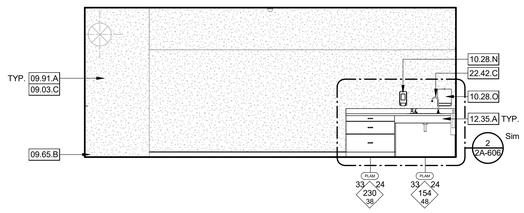


2NW

CLASSROOM 27 ELEVATIONS - (E) BUILDING 6

1/4" = 1'-0" | 2



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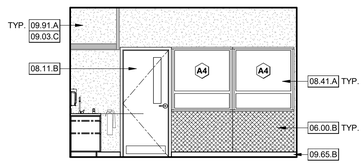

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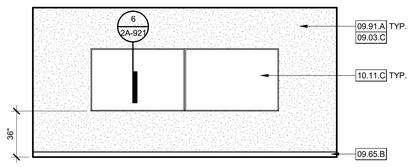

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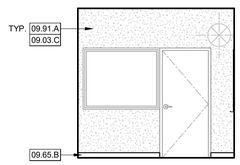

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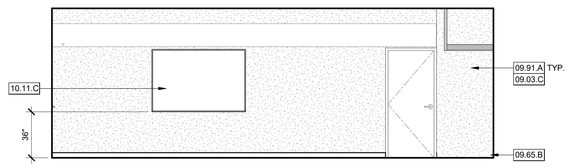


3W

CLASSROOM 28 ELEVATIONS - (E) BUILDING 6

1/4" = 1'-0" | 3

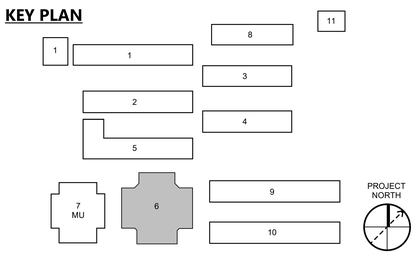
KEYNOTES

06.00.B	INFILL (E) WINDOWS, SEE 8/2S-801
08.11.A	(N) EXTERIOR FRP FLUSH DOOR INSTALLED IN EXISTING WOOD FRAME, SEE 6 & 12/2A-821
08.11.B	(N) EXTERIOR FRP FLUSH DOOR INSTALLED IN EXISTING METAL FRAME, SEE 7 & 9/2A-821
08.41.A	(N) ALUMINUM STOREFRONT WINDOW, SEE DETAILS 16, 19, & 20/2A-821
09.03.C	APPLY SKIM COAT TO (E) SURFACES WHERE TACKABLE, CASEWORK, AND OTHER ITEMS ATTACHED TO THE WALLS THAT HAVE BEEN DEMOLISHED TO ENSURE A CLEAN AND SMOOTH SURFACE FOR INTERIOR PAINTING
09.65.B	(N) RESILIENT WALL BASE. REFER TO FINISH SCHEDULE & SEE DETAIL 12B/2A-921
09.91.A	PAINT ALL INTERIOR SURFACES, PATCH AS NEEDED
10.11.B	(N) WALL MOUNTED 4'X8' WHITEBOARDS; (3) TOTAL PER CLASSROOM. SEE DETAIL 6/2A-921
10.11.C	(E) WHITEBOARDS TO BE REINSTALLED
10.28.N	(N) SURFACE MOUNT SOAP DISPENSER
10.28.O	(N) SURFACE MOUNT PAPER TOWEL DISPENSER
12.35.A	(N) PLASTIC LAMINATED FACED ARCHITECTURAL CABINETS, SEE 2A-931
22.42.C	(N) ACCESSIBLE LAVATORY, S.P.D.
27.53.A	(N) CLOCK SYSTEM AT ORIGINAL CLOCK LOCATION, S.T.D.

LEGEND - INTERIOR ELEVATION GENERAL NOTES

1. FOR WINDOW AND STOREFRONT SIZES AND MOUNTING HEIGHTS SEE SHEET 2A-812.
2. ALL STEEL TO BE GALVANIZED AND PAINTED.
3. WALL BASE TO BE B1, UON.
4. ALL FINISHES AND PAINT COLORS TO TERMINATE AT INSIDE COLOR, UON.
5. ALL HEIGHT DIMENSIONS IN ELEVATIONS TAKEN FROM THE TOP OF FINISH FLOOR (A.F.F.)
6. REFER TO 2G-900 FOR RESTROOM ACCESSORIES AND TYPICAL MOUNTING HEIGHTS.
7. FOR TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND CLEARANCES REFER TO SHEET 2G-900
8. REFER TO SHEET 2A-211 & 2A-212 REFLECTED CEILING PLAN FOR CEILING HEIGHTS AND FINISH INFORMATION.

KEY PLAN



AGENCY APPROVAL DSA# 01-121407

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REVISIONS

NO.	DATE	DESCRIPTION

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1936 Carlotta Way
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MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 6 - INTERIOR ELEVATIONS

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

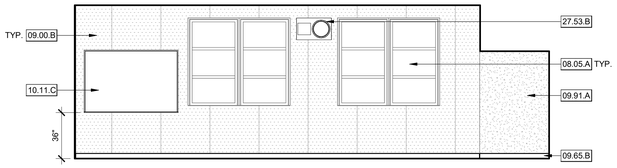
SHEET NO.

2A-604

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:11:54 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt



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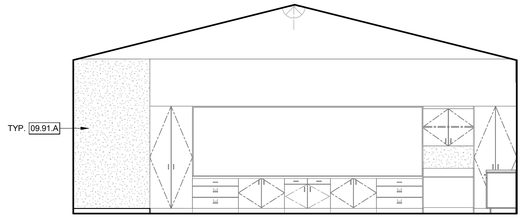

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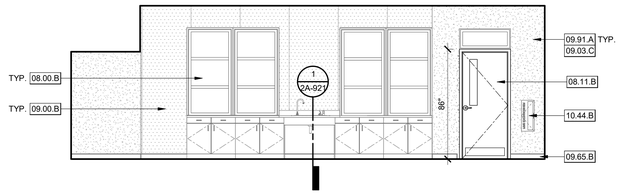

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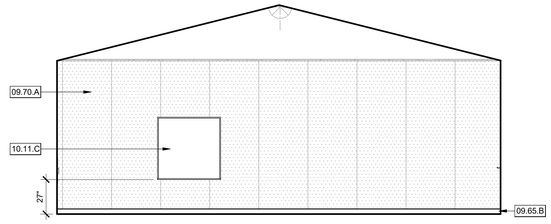
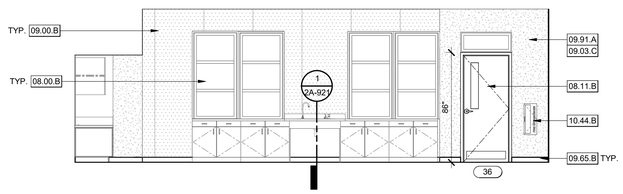


1W

CLASSROOM ELEVATIONS - (E) BUILDING 9

1/4" = 1'-0" | 1



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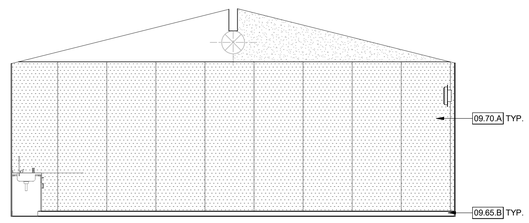

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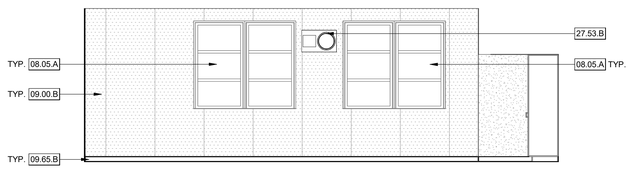

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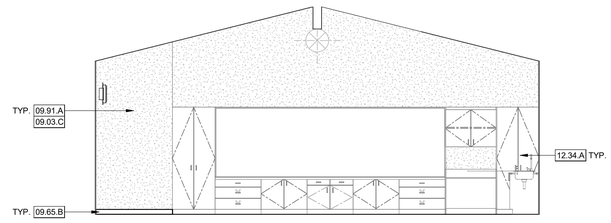

2W

CLASSROOM ELEVATIONS - (E) BUILDING 10

1/4" = 1'-0" | 2

KEYNOTES

08.00.B	(E) WINDOW TO REMAIN, PROTECT IN PLACE
08.05.A	(E) FIXED WINDOW TO REMAIN. PROTECT IN PLACE.
08.11.B	(N) EXTERIOR FRP FLUSH DOOR INSTALLED IN EXISTING METAL FRAME, SEE 7 & 9/2A-821
09.00.B	(E) TACKABLE WALL PANELS TO REMAIN, PROTECT IN PLACE. PAINT P1 PER FINISH SCHEDULE.
09.03.C	APPLY SKIM COAT TO (E) SURFACES WHERE TACKABLE, CASEWORK, AND OTHER ITEMS ATTACHED TO THE WALLS THAT HAVE BEEN DEMOLISHED TO ENSURE A CLEAN AND SMOOTH SURFACE FOR INTERIOR PAINTING
09.65.B	(N) RESILIENT WALL BASE. REFER TO FINISH SCHEDULE & SEE DETAIL 12B/2A-921
09.70.A	(N) TACKABLE WALL PANELS, SEE DETAIL 7/2A-921
09.91.A	PAINT ALL INTERIOR SURFACES, PATCH AS NEEDED
10.11.C	(E) WHITEBOARDS TO BE REINSTALLED
10.44.B	(E) RECESSED FIRE EXTINGUISHER CABINET, PROTECT IN PLACE
12.34.A	(E) CASEWORK TO REMAIN, PROTECT IN PLACE
27.53.B	(N) CLOCK/SPEAKER SYSTEM, S.T.D.

LEGEND - INTERIOR ELEVATION GENERAL NOTES

1. FOR WINDOW AND STOREFRONT SIZES AND MOUNTING HEIGHTS SEE SHEET 2A-812.
2. ALL STEEL TO BE GALVANIZED AND PAINTED.
3. WALL BASE TO BE B1, UON.
4. ALL FINISHES AND PAINT COLORS TO TERMINATE AT INSIDE COLOR, UON.
5. ALL HEIGHT DIMENSIONS IN ELEVATIONS TAKEN FROM THE TOP OF FINISH FLOOR (A.F.F.)
6. REFER TO 2G-900 FOR RESTROOM ACCESSORIES AND TYPICAL MOUNTING HEIGHTS.
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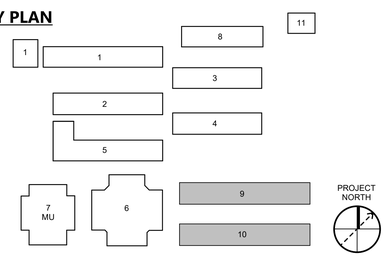
8. REFER TO SHEET 2A-211 & 2A-212 REFLECTED CEILING PLAN FOR CEILING HEIGHTS AND FINISH INFORMATION.

KEY PLAN



AGENCY APPROVAL DSA# 01-121407

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SHEET TITLE

BLDG 9 & 10 - INTERIOR ELEVATIONS

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

SHEET NO.

2A-605

DATE: OCTOBER 16, 2024

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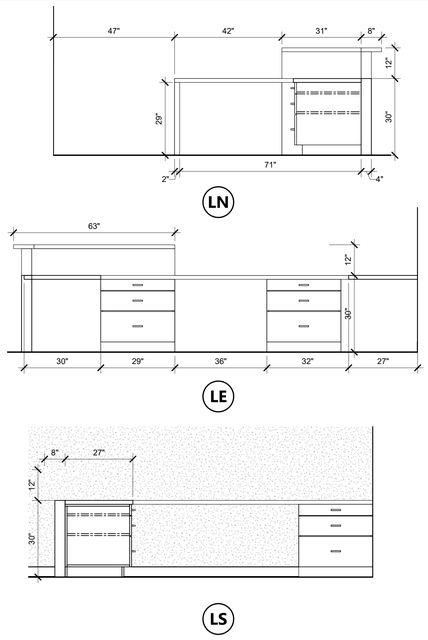
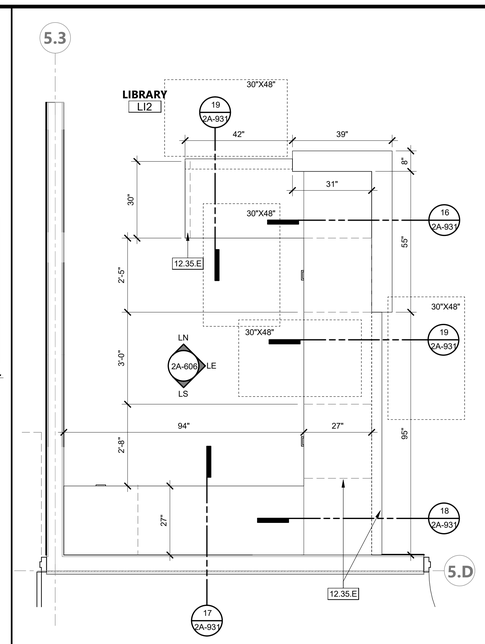
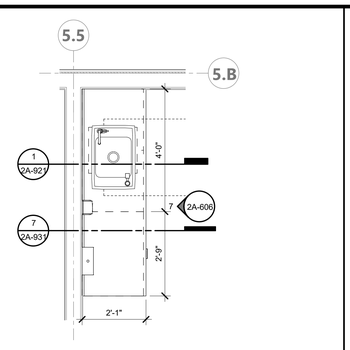
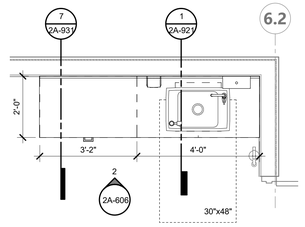








KEYNOTES

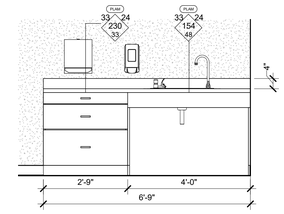
12.35.E (N) PLASTIC LAMINATED END PANEL

LEGEND - INTERIOR ELEVATION GENERAL NOTES

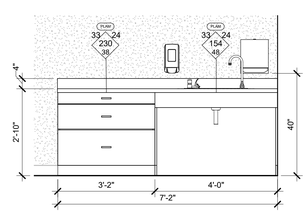
1. FOR WINDOW AND STOREFRONT SIZES AND MOUNTING HEIGHTS SEE SHEET 2A-812.
2. ALL STEEL TO BE GALVANIZED AND PAINTED.
3. WALL BASE TO BE B1, UON.
4. ALL FINISHES AND PAINT COLORS TO TERMINATE AT INSIDE COLOR, UON.
5. ALL HEIGHT DIMENSIONS IN ELEVATIONS TAKEN FROM THE TOP OF FINISH FLOOR (A.F.F.)
6. REFER TO 2G-900 FOR RESTROOM ACCESSORIES AND TYPICAL MOUNTING HEIGHTS.
7. FOR TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND CLEARANCES REFER TO SHEET 2G-900
8. REFER TO SHEET 2A-211 & 2A-212 REFLECTED CEILING PLAN FOR CEILING HEIGHTS AND FINISH INFORMATION.

LIB. CIRCULATION - CASEWORK ELEV. 1/4" = 1'-0" | 17

LIBRARY CIRCULATION DESK ENLARGED PLAN 1/2" = 1'-0" | 12



TYP. - CASEWORK ELEVATION 1/2" = 1'-0" | 7



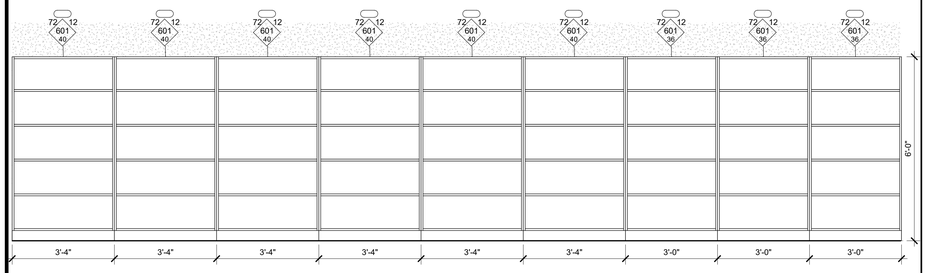
BLDG 6 - TYP. CASEWORK ELEVATION 1/2" = 1'-0" | 2

TYPICAL CLASSROOM CASEWORK 1/2" = 1'-0" | 6

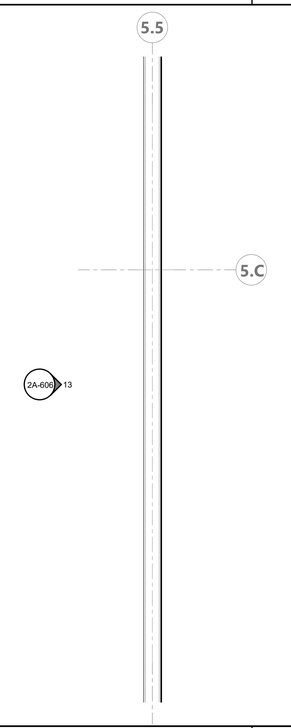
BUILDING 6 TYPICAL CASEWORK 1/2" = 1'-0" | 1



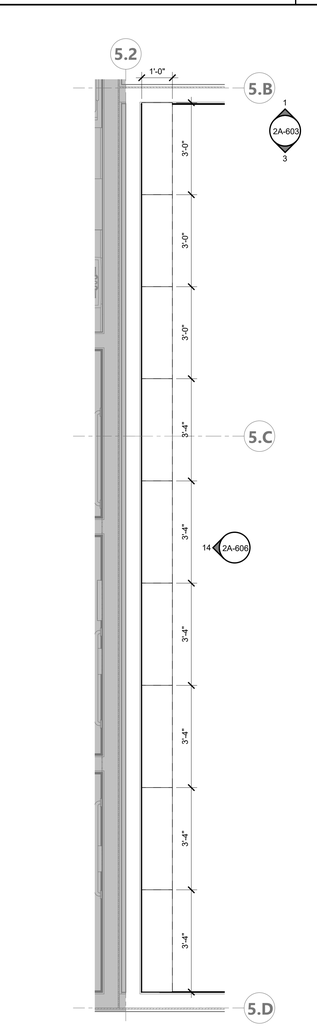
LIBRARY READ WALL - CASEWORK ELEVATION 1/2" = 1'-0" | 13



LIBRARY BOOK WALL - CASEWORK ELEVATION 1/2" = 1'-0" | 14

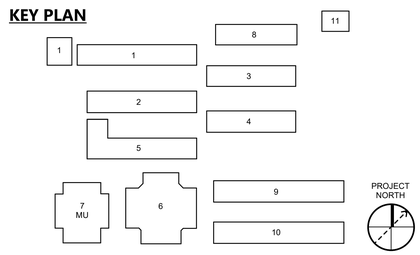


LIBRARY READ WALL ENLARGED PLAN 1/2" = 1'-0" | 9



LIBRARY BOOK WALL ENLARGED PLAN 1/2" = 1'-0" | 5

KEY PLAN



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LICENSED ARCHITECT
MARIANA ALVAREZ PARKER
C-36108
REN. 01-31-25
STATE OF CALIFORNIA

REVISIONS

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SHEET TITLE
CASEWORK ELEVATIONS

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

SHEET NO.
2A-606

DATE: OCTOBER 16, 2024

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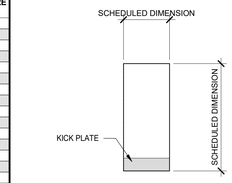
DATE PLOTTED: 10/17/2024 9:12:02 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt

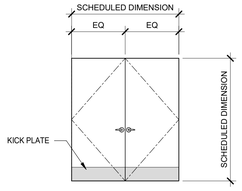
DOOR SCHEDULE - INC 2

MARK	LOCATION	FIRE RATING	SIZE			DOOR			FRAME			DETAILS			PANIC HARDWARE	HARDWARE GROUP
			WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	HEAD	JAMB	SILL		
Building 2																
10A	OFFICE	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	A (E)	(E) WD	PW	4/2A-821	5/2A-821	2/2A-821	-	02
10B	OFFICE	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	A (E)	(E) WD	PW	4/2A-821	5/2A-821	2/2A-821	-	02
11A*	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	A (E)	(E) WD	PW	4/2A-821	5/2A-821	2/2A-821	-	01
11B*	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	D	FRP	P	B (E)	(E) WD	PW	4/2A-821	5/2A-821	2/2A-821	-	01
12A*	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	A (E)	(E) WD	PW	4/2A-821	5/2A-821	2/2A-821	-	01
12B*	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	D	FRP	P	B (E)	(E) WD	PW	4/2A-821	5/2A-821	2/2A-821	-	01
13A*	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	A (E)	(E) WD	PW	4/2A-821	5/2A-821	2/2A-821	-	01
13B*	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	D	FRP	P	B (E)	(E) WD	PW	4/2A-821	5/2A-821	2/2A-821	-	01
201	STOR.	NR	2'-6"	7'-0"	1 3/4"	B	FRP	P	A (E)	(E) WD	PW	4/2A-821	5/2A-821	2/2A-821	-	08
202	STOR.	NR	2'-6"	7'-0"	1 3/4"	B	FRP	P	A (E)	(E) WD	PW	4/2A-821	5/2A-821	2/2A-821	-	08
203	SERVICE ROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	A (E)	(E) WD	PW	4/2A-821	5/2A-821	2/2A-821	-	08
204	MDF	NR	3'-0"	7'-0"	1 3/4"	(E)	(E)	P	A (E)	(E) WD	PW	(E)	(E)	(E)	-	08
205	GIRL'S	NR	3'-0"	7'-0"	1 3/4"	B	FRP	P	A (E)	(E) HM	PM	4/2A-821	5/2A-821	2/2A-821	-	06
206	BOILER	NR	3'-0"	7'-0"	1 3/4"	B	FRP	P	A (E)	(E) HM	PM	7/2A-821	10/2A-821	2/2A-821	-	10
207	JANITOR	NR	3'-0"	7'-0"	1 3/4"	B	FRP	P	A (E)	(E) HM	PM	4/2A-821	5/2A-821	2/2A-821	-	08
208	BOYS	NR	3'-0"	7'-0"	1 3/4"	B	FRP	P	A (E)	(E) HM	PM	4/2A-821	5/2A-821	2/2A-821	-	06
Building 3																
14A*	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	C	FRP	P	A (E)	(E) HM	PM	4/2A-821	5/2A-821	2/2A-821	-	01
14B*	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	D	FRP	P	A (E)	(E) WD	PM	4/2A-821	5/2A-821	2/2A-821	-	01
15A*	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	C	FRP	P	A (E)	(E) WD	PM	4/2A-821	5/2A-821	2/2A-821	-	01
15B*	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	D	FRP	P	A (E)	(E) HM	PM	4/2A-821	5/2A-821	2/2A-821	-	01
16A*	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	C	FRP	P	A (E)	(E) WD	PM	4/2A-821	5/2A-821	2/2A-821	-	01
16B*	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	D	FRP	P	A (E)	(E) WD	PM	4/2A-821	5/2A-821	2/2A-821	-	01
17A*	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	C	FRP	P	A (E)	(E) WD	PM	4/2A-821	5/2A-821	2/2A-821	-	01
17B*	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	D	FRP	P	A (E)	(E) WD	PM	4/2A-821	5/2A-821	2/2A-821	-	01
Building 4																
19A*	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	C	FRP	P	A (E)	(E) WD	PM	4/2A-821	5/2A-821	2/2A-821	-	01
19B*	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	D	FRP	P	B (E)	(E) WD	PM	4/2A-821	5/2A-821	2/2A-821	-	01
20A*	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	C	FRP	P	A (E)	(E) WD	PM	4/2A-821	5/2A-821	2/2A-821	-	01
20B*	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	D	FRP	P	B (E)	(E) WD	PM	4/2A-821	5/2A-821	2/2A-821	-	01
21A*	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	C	FRP	P	A (E)	(E) WD	PM	4/2A-821	5/2A-821	2/2A-821	-	01
21B*	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	D	FRP	P	B (E)	(E) WD	PM	4/2A-821	5/2A-821	2/2A-821	-	01
401	GIRLS	NR	3'-0"	7'-0"	1 3/4"	B	FRP	P	A (E)	(E) WD	PM	4/2A-821	5/2A-821	2/2A-821	-	05
402	JAN.	NR	3'-0"	7'-0"	1 3/4"	B	FRP	P	A (E)	(E) WD	PM	4/2A-821	5/2A-821	2/2A-821	-	09
403	BOYS	NR	3'-0"	7'-0"	1 3/4"	B	FRP	P	A (E)	(E) WD	PM	4/2A-821	5/2A-821	2/2A-821	-	05
404	STAFF	NR	3'-0"	7'-0"	1 3/4"	B	FRP	P	A (E)	(E) WD	PM	4/2A-821	5/2A-821	2/2A-821	-	07
405	STOR.	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	A (E)	(E) WD	PW	4/2A-821	5/2A-821	2/2A-821	-	08
406	MECH.	45 MIN.	6'-0"	7'-0"	1 3/4"	AA	FRP	P	AA (E)	(E) HM	PM	7/2A-821	10/2A-821	2/2A-821	P.H.	10
Building 5																
18A *	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	C	FRP	P	A (E)	(E) WD	PM	4/2A-821	5/2A-821	2/2A-821	-	01
18B *	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	D	FRP	P	B (E)	(E) WD	PM	4/2A-821	5/2A-821	2/2A-821	-	01
502	BOY'S	NR	3'-0"	7'-0"	1 3/4"	B	FRP	P	A (E)	(E) WD	PM	4/2A-821	5/2A-821	2/2A-821	-	06
503	ELEC.	NR	3'-0"	7'-0"	1 3/4"	B	FRP	P	A (E)	(E) HM	PW	7/2A-821	10/2A-821	2/2A-821	-	10
504	GIRL'S	NR	3'-0"	7'-0"	1 3/4"	B	FRP	P	A (E)	(E) WD	PW	4/2A-821	5/2A-821	2/2A-821	-	06
LI1A *	LIBRARY	NR	3'-4"	7'-0"	1 3/4"	C	FRP	P	A (E)	(E) WD	PW	4/2A-821	5/2A-821	2/2A-821	-	01
LI2A *	LIBRARY	NR	3'-4"	7'-0"	1 3/4"	C	FRP	P	A (E)	(E) WD	PM	4/2A-821	5/2A-821	2/2A-821	P.H.	01
LI2B *	STORAGE	NR	3'-0"	7'-0"	1 3/4"	C	WD	WS	A	WD	PW	8/2A-821	8/2A-821	2/2A-821	-	08
LI3A *	READING	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	A (E)	(E) WD	PW	4/2A-821	5/2A-821	2/2A-821	P.H.	01
LI3B *	READING	NR	3'-4"	7'-0"	1 3/4"	D	FRP	P	B (E)	(E) WD	PM	4/2A-821	5/2A-821	2/2A-821	-	01
Building 6																
22A *	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	B (E)	(E) HM	PM	7/2A-821	10/2A-821	2/2A-821	-	01
22B *	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	(E)	(E)	P	A (E)	(E) HM	PM	(E)	(E)	(E)	-	01
23A *	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	B (E)	(E) HM	PM	7/1A-821	10/2A-821	2/2A-821	-	01
23B *	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	(E)	(E)	P	A (E)	(E) HM	PM	(E)	(E)	(E)	-	01
24A *	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	B (E)	(E) HM	PM	7/2A-821	10/2A-821	2/2A-821	-	01
24B *	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	(E)	(E)	P	A (E)	(E) HM	PM	(E)	(E)	(E)	-	01
25A *	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	B (E)	(E) HM	PM	7/2A-821	10/2A-821	2/2A-821	-	01
25B *	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	(E)	(E)	P	A (E)	(E) HM	PM	(E)	(E)	(E)	-	01
26A *	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	B (E)	(E) HM	PM	7/1A-821	10/2A-821	2/2A-821	-	01
26B *	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	(E)	(E)	P	A (E)	(E) HM	PM	(E)	(E)	(E)	-	01
27A *	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	B (E)	(E) HM	PM	7/2A-821	10/2A-821	2/2A-821	-	01
27B *	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	(E)	(E)	P	A (E)	(E) HM	PM	(E)	(E)	(E)	-	01
28A *	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	A (E)	(E) HM	PM	7/2A-821	10/2A-821	2/2A-821	-	01
28B *	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	(E)	(E)	P	A (E)	(E) HM	PM	(E)	(E)	(E)	-	01
43 *	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	(E)	(E)	P	A (E)	(E) HM	PM	(E)	(E)	(E)	-	01
44	ELEC.	NR	3'-0"	7'-0"	1 3/4"	(E)	(E)	P	A (E)	(E) HM	PM	(E)	(E)	(E)	-	10
45A *	SHARED CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	(E)	(E)	P	A (E)	(E) HM	PM	(E)	(E)	(E)	-	01
45B	NON-ACCESSIBLE TOILET	NR	2'-6"	7'-0"	1 3/4"	(E)	(E)	P	A (E)	(E) HM	PM	(E)	(E)	(E)	-	10
46A	CONFERENCE	NR	3'-0"	7'-0"	1 3/4"	(E)	(E)	P	A (E)	(E) HM	PM	(E)	(E)	(E)	-	01
46B	CONFERENCE	NR	3'-0"	7'-0"	1 3/4"	(E)	(E)	P	A (E)	(E) HM	PM	(E)	(E)	(E)	-	(E)
601A*	SHARED CLASSROOM	NR	6'-0"	7'-0"	1 3/4"	AA	FRP	P	AA (E)	(E) HM	PM	7/2A-821	10/2A-821	2/2A-821	P.H.	04
601B*	SHARED CLASSROOM	NR	6'-0"	7'-0"	1 3/4"	AA	FRP	P	AA (E)	(E) HM	PM	7/2A-821	10/2A-821	2/2A-821	P.H.	04
601C	HEATER	NR	3'-0"	7'-0"	1 3/4"	B	FRP	P	A (E)	(E) HM	PM	7/2A-821	10/2A-821	2/2A-821	-	10
Building 9																
29*	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	B (E)	(E) HM	PM	7/2A-821	10/2A-821	2/2A-821	-	01
30*	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	B (E)	(E) HM	PM	7/2A-821	10/2A-821	2/2A-821	-	01
31*	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	B (E)	(E) HM	PM	7/2A-821	10/2A-821	2/2A-821	-	01
32*	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	B (E)	(E) HM	PM	7/2A-821	10/2A-821	2/2A-821	-	01
33*	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	B (E)	(E) HM	PM	7/2A-821	10/2A-821	2/2A-821	-	01
34*	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	B (E)	(E) HM	PM	7/2A-821	10/2A-821	2/2A-821	-	01
Building 10																
35*	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	B (E)	(E) HM	PM	7/2A-821	10/2A-821	2/2A-821	-	01
36*	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	B (E)	(E) HM	PM	7/2A-821	10/2A-821	2/2A-821	-	01
37*	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	B (E)	(E) HM	PM	7/2A-821	10/2A-821	2/2A-821	-	01
38*	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	B (E)	(E) HM	PM	7/2A-821	10/2A-821	2/2A-821	-	01
39*	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	B (E)	(E) HM	PM	7/2A-821	10/2A-821	2/2A-821	-	01
40*	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	P	B (E)	(E) HM	PM	7/2A-821	10/2A-821	2/2A-821	-	01

** INDICATES A DOOR THAT SHALL COMPLY WITH CBC 1010.2.8.2 PER DSA BU 19-5, SECTION 2.1. GROUP E LOCKABLE DOORS FROM INSIDE*



DOOR TYPE 'A'



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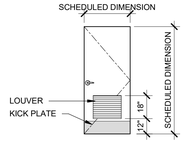

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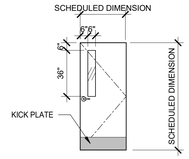

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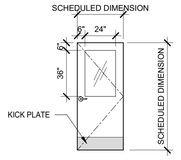

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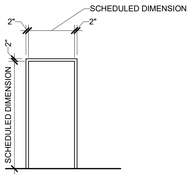
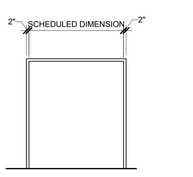


DOOR FRAME 'A'



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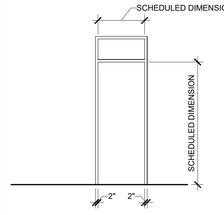
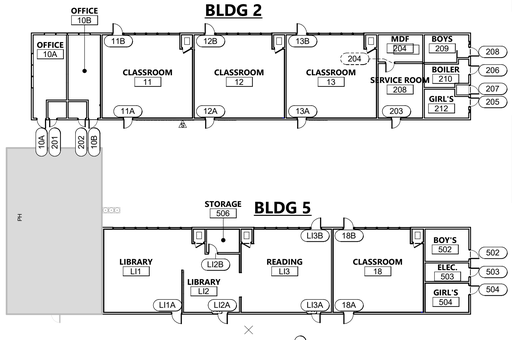


DOOR FRAME 'B'

BLDG 2



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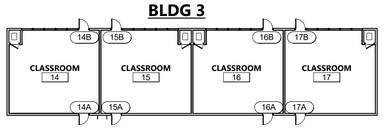

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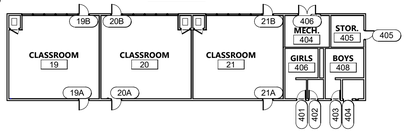
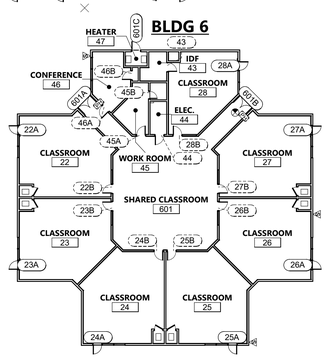
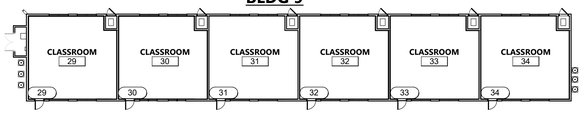


BLDG 5

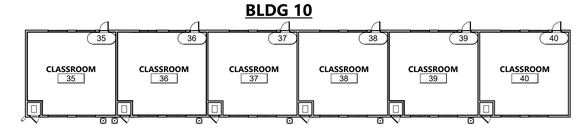
BLDG 6



BLDG 9



BLDG 10



KEY PLAN LEGEND

ROOM NAME — ROOM NAME
101 — ROOM NUMBER
150 SF — ROOM AREA

101AA — (E) DOOR RECEIVING NEW PAINT AND/OR NEW HARDWARE; SEE SCHEDULE FOR DETAILS

101AA — (N) DOOR

LEGEND - DOOR MATERIALS

DOOR CONSTRUCTION AND MATERIAL:
HM - HOLLOW METAL
AL - ALUMINUM
WD - WOOD
FRP - FIBER REINFORCED PLASTIC

DOOR FACING AND FINISH:
SP - STEEL, PAINTED
P - PAINTED
K - KYNAR FINISH ON ALUMINUM
FF - FACTORY FINISH

FRAME MATERIAL:
HM - HOLLOW METAL, PAINTED
AL - ALUMINUM
WD - WOOD

FRAME FINISH:
PM - PAINTED HOLLOW METAL
PW - PAINTED WOOD
K - KYNAR FINISH ON ALUMINUM

FRAME TYPES:
A, AA, B

GLASS:
ALL GLASS IS TEMPERED (SG - SAFETY GLAZING)

HARDWARE:
P.H. - PANIC HARDWARE

LEGEND - DOOR GLAZING NOTES

1. ALL GLAZING SHALL BE TEMPERED 1/4" CLEAR GLASS UNLESS DOOR IS FIRE-RATED. THEN SAFETY GLAZING SHALL MEET CURRENT FEDERAL STANDARDS WHERE GLAZING OCCURS IN RATED DOOR ASSEMBLY. (WIRE GLASS IS NOT ACCEPTABLE)
2. RATED GLAZING NOTES:
   A. FIRE-RESISTANCE-RATED GLAZING SHALL BE PERMITTED IN FIRE DOOR AND FIRE WINDOW ASSEMBLIES WHERE TESTED AND INSTALLED IN ACCORDANCE WITH THEIR LISTINGS AND WHERE IN COMPLIANCE WITH THE REQUIREMENTS OF CBC SECTION 716.3.
   B. CBC 716.3 MARKING FIRE-RATED GLAZING ASSEMBLIES: FIRE-RATED ASSEMBLIES SHALL BE MARKED IN ACCORDANCE WITH TABLES 716.3, 716.5, AND 716.6
   C. CBC 716.3.1 FIRE-RATED GLAZING IDENTIFICATION: FOR FIRE-RATED GLAZING, THE LABEL SHALL BEAR THE IDENTIFICATION REQUIRED IN TABLES 716.3 AND 716.5. "D" INDICATES THAT THE GLAZING IS PERMITTED TO BE USED IN FIRE DOOR ASSEMBLIES AND THAT THE GLAZING MEETS THE FIRE PROTECTION REQUIREMENTS OF NFPA 252. "H" SHALL INDICATE THAT THE GLAZING MEETS THE HOSE STREAM REQUIREMENTS OF NFPA 252. "T" SHALL INDICATE THAT THE GLAZING MEETS THE TEMPERATURE REQUIREMENTS OF SECTION 716.5.5.1. THE PLACEHOLDER "XXX" REPRESENTS THE FIRE-RATING PERIOD IN MINUTES.
   D. CBC 716.3.2 FIRE-PROTECTION-RATED GLAZING IDENTIFICATION: FOR FIRE-PROTECTION-RATED GLAZING, THE LABEL SHALL BEAR THE FOLLOWING IDENTIFICATION REQUIRED IN TABLES 7 J 6.3 AND 716.6: "OH-XXX". "OB" INDICATES THAT THE GLAZING MEETS BOTH THE FIRE PROTECTION AND THE HOSE-STREAM REQUIREMENTS OF NFPA 257 OR UL 9 AND IS PERMITTED RO BE USED IN FIRE WINDOW OPENINGS. THE PLACEHOLDER "XXX" REPRESENTS THE FIRE-RATING PERIOD IN MINUTES.
   E. FIRE BARRIER: 3/4 HOUR GLAZING, MAX SIZE TESTED, MARKED D-H
   F. NFPA 257 OR CL 9 MEETS FIRE WINDOW ASSEMBLY CRITERIA INCLUDING THE HOSE STREAM TEST
   G. NFPA 252 OR UL 10B I OR UL 10C D = MEETS FIRE DOOR ASSEMBLY CRITERIA. H = MEETS FIRE DOOR ASSEMBLY HOSE STREAM TEST
   H. RATED GLAZING SHALL BE FIRELITE NT

LEGEND - DOOR NOTES

1. DOORS SHALL BE 1-3/4" THICK UNLESS NOTED OTHERWISE.
2. THE SYMBOL (P) FOLLOWING THE 'DOOR TYPE' DESIGNATION IN THE DOOR SCHEDULE INDICATES PAIR OF DOORS. BOTH LEAVES ARE THE SAME SIZE, UNLESS NOTED OTHERWISE.
3. SEE REMARKS SECTION OF DOOR SCHEDULE FOR GLASS TYPES.
4. ALL EXTERIOR DOORS IN BUILDINGS, INCLUDING, BUT NOT LIMITED TO DOORS OF TOILETS AND STORAGE ROOMS, SHALL CONFORM WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE.
   a. EXIT DOOR SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
   b. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 30" AND 44" ABOVE FINISH FLOOR.
   c. DEAD BOLTS ARE NOT PERMITTED UNLESS OPERABLE WITH A SINGLE EFFORT LEVER TYPE HARDWARE.
   d. ALL ROOMS SERVING AN OCCUPANCY LOAD OF 50 OR GREATER AND DOORS LOCATED ON THE DISCHARGE OF EXIT CORRIDORS ARE REQUIRED TO BE PROVIDED WITH PANIC HARDWARE (CBC 1008.1.10).
   e. ALL FIRE DOOR LABELS SHALL COMPLY WITH CBC 716.2.9.
5. FIRE ASSEMBLIES REQUIRED TO HAVE A ONE-HOUR FIRE-PROTECTION RATING SHALL BE EITHER AUTOMATIC OR SELF-CLOSING FIRE ASSEMBLIES TO BE ACTIVATED BY AN INCREASE IN TEMPERATURE SHALL HAVE HEAT-ACTIVATING DEVICES INSTALLED ON EACH SIDE OF THE WALL AT THE CEILING HEIGHT WHERE THE CEILING IS MORE THAN 3 FEET ABOVE THE TOP OF THE OPENING OR BY A SINGLE FUSIBLE LINK IN THE OPENING INCORPORATED IN THE CLOSING DEVICE.
6. ALL FIRE-RESISTIVE ASSEMBLIES FOR PROTECTED OPENING SHOULD COMPLY WITH SECTION 716 CBC.
7. SEE SPECIFICATION SECTION 08 71 00 FOR DOOR HARDWARE INDEX AND DOOR HARDWARE SETS.
8. EXTERIOR: FRP DOORS ON EXISTING WOOD FRAMES. NEW DOORS SHALL BE SPECIAL LITE SL-20 SANDSTONE TEXTURE FRPS UNLESS OTHERWISE NOTED. SEE SPECIFICATIONS 08 17 43
9. INTERIOR STEEL DOORS: STEELCRAFT "L" SERIES HONEYCOMB CORE, OR "S" OR "A" SERIES FOR FULL GLASS, 18 GA WITH 16 GA FRAMES. USE KNOCKDOWN FRAMES AT INTERIORS. USE MINIMUM 6" WIDE STILE ON ALL STILE & RAIL TYPE DOORS TO ACCOMMODATE EXIT DEVICES.
10. ALL INTERIOR HOLLOW METAL DOOR AND FRAMES TO HAVE JAMB AND HEAD GASKETING. PEMKO 319 OR EQUAL.
11. ALL INTERIOR STORFRONT FRAMES SHOULD PROVIDE GASKETING FOR THE FRP DOORS PER THE DETAILS.
12. PROVIDE ACCESS CONTROL WIRING AND DOOR SWITCH WIRING PER HARDWARE SCHEDULE.
13. PROVIDE DOOR SWITCH WIRING PER HARDWARE SCHEDULE.
14. PROVIDE ACCESSIBLE DOOR OR GATE LEAF CAPABLE OF MAXIMUM 5LB. FORCE OPERATION PER 11B-404.2.9.
15. THE UNLATCHING OF ANY DOOR OR LEAF SHALL NOT REQUIRE MORE THAN ONE OPERATION. (CBC 1010.2.1).
16. IN-DOOR GLAZING AND VISION LIGHTS SHALL HAVE BOTTOM EDGE MAXIMUM 43" ABOVE THE FINISH FLOOR OR GROUND SURFACE PER 11B-404.2.11
17. PANIC HARDWARE SHALL COMPLIES WITH SFM STANDARD 12-10-3, SECTION 12-10-302:
   A. CROSS BARS FOR EXIT DEVICES SHALL EXTEND ACROSS NOT LESS THAN HALF OF THE DOOR OR GATE WIDTH.
   B. ENDS OF CROSS BARS SHALL BE CURVED, GUARDED OR OTHERWISE DESIGNED TO PREVENT CATCHING ON CLOTHING DURING EGRESS.
18. DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM PER 11B-404.2.8.1
19. DOOR AND GATE SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR OR GATE SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MINIMUM PER 11B-404.2.8.2
20. HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY WITH SECTION 11B-309.4.
21. SWINGING, SLIDING, OR FOLDING DOORS, AND FIRE-RATED DOORS: NOT TO EXCEED 30 POUNDS TO SET THE DOOR IN MOTION, AND SHALL MOVE TO THE FULL-OPEN POSITION WITH NOT MORE THAN 15 POUNDS OF FORCE.
22. OPERABLE PARTS OF DOOR AND GATE HARWARE SHALL BE 34" MINIMUM AND 44" MAXIMUM ABOVE THE FINISHED FLOOR OR GROUND. WHERE SLIDING DOORS ARE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE FULLY EXPOSED AND USABLE FROM BOTH SIDES. CBC 11B-404.2.7
23. ALL HARDWARE SHALL MEET THE REQUIREMENTS 11B-309.4
24. THRESHOLDS SHALL COMPLY WITH 11B-404.2.5.
25. FLOOR STOPS SHALL NOT BE LOCATED IN THE PATH OF TRAVEL AND 4" MAXIMUM FROM WALL PER DSA POLICY 99-08

AGENCY APPROVAL DSA# 01-121407

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LICENSED ARCHITECT — REGINA ALVAREZ PARKER — C-36108 — REN. 01-31-25 — STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION

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5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
DOOR SCHEDULE

INCREMENT 2

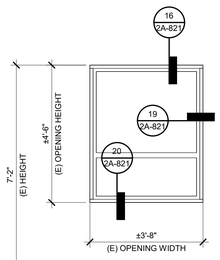
DRAWN BY: XX JOB NUMBER: 23120.01

SHEET NO.
2A-801

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 10/17/2024 9:12:07 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 20232/3120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt



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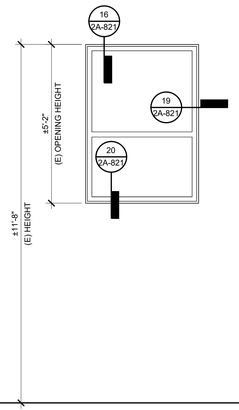

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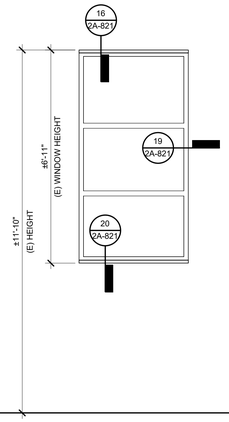

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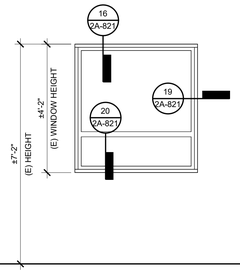

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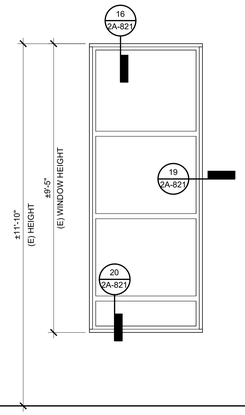

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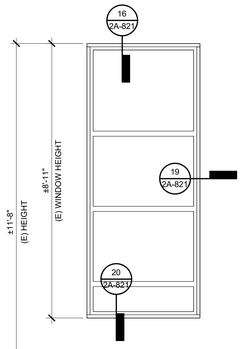

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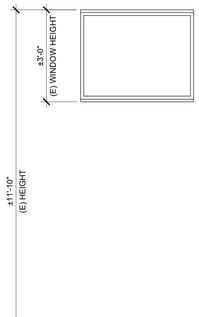

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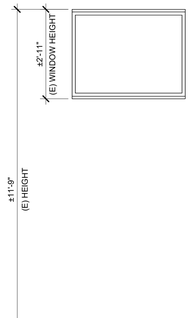

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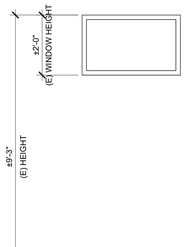

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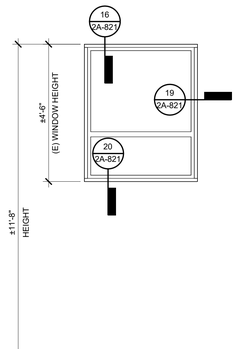

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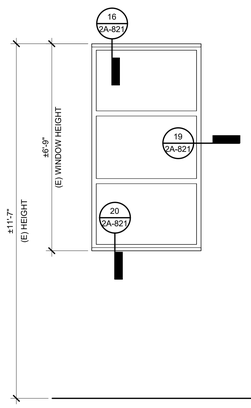

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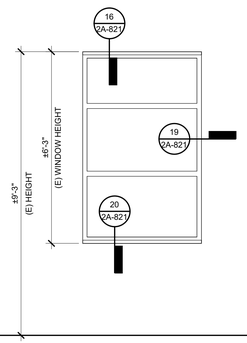

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LEGEND - WINDOW GENERAL NOTES

1. EXTERIOR STOREFRONT BASIS OF DESIGN OLD CASTLE FG 3000T FRONT SET - THERMALLY BROKEN.
2. ALL INTERIOR WINDOWS BASIS OF DESIGN OLD CASTLE 3000T FRONT SET - THERMALLY BROKEN.
3. ALL GLASS TO BE TEMPERED PER SPECIFICATIONS.
4. ALL GLASS TO BE INSULATING, PER SPECIFICATIONS.
5. ALL EXISTING WIRE GLASS TO BE REPLACED TO TEMPERED SAFETY GLASS.
6. ALL GLASS TO BE TEMPERED PER SPECIFICATIONS.
7. ALL GLASS TO BE INSULATING, PER SPECIFICATIONS.
8. CONTRACTOR MUST VERIFY ALL OPENING SIZES IN FIELD.
9. ALL WINDOWS FIXED, UNLESS NOTED OTHERWISE.

WINDOW TYPES - INC 2 | 1/2" = 1'-0"

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LICENSED ARCHITECT · ARIANNE ALVAREZ BALBERAN · C-36108 · REN 01-31-25 · STATE OF CALIFORNIA

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SHEET TITLE

WINDOW SCHEDULE

INCREMENT 2

DRAWN BY: XX JOB NUMBER: 23120.01

SHEET NO.

2A-812

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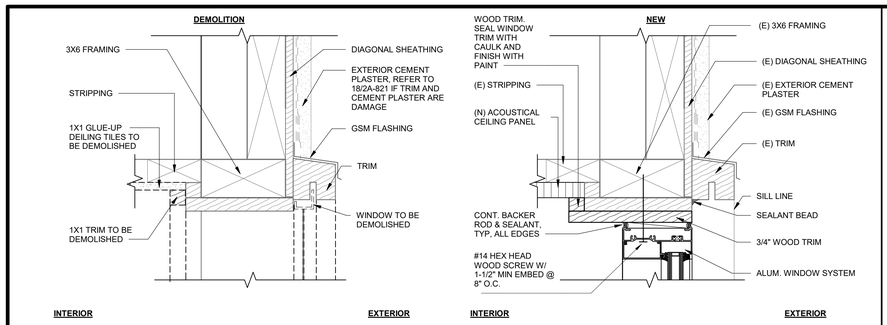
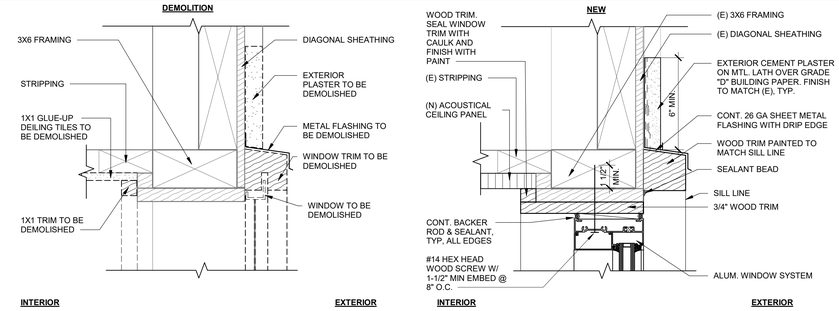
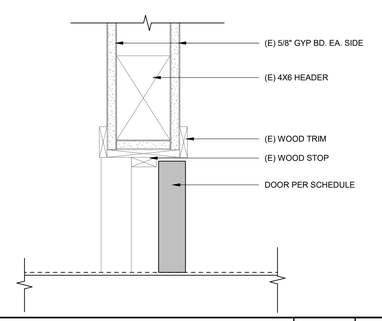


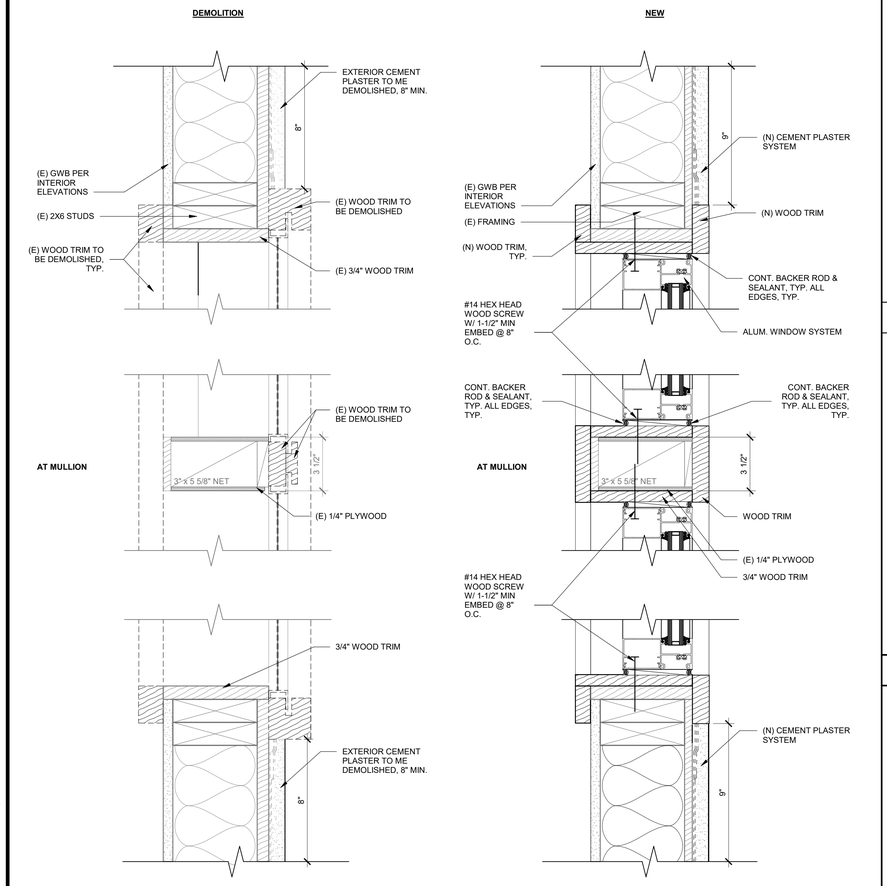
WINDOW HEAD | 3" = 1'-0" | 16



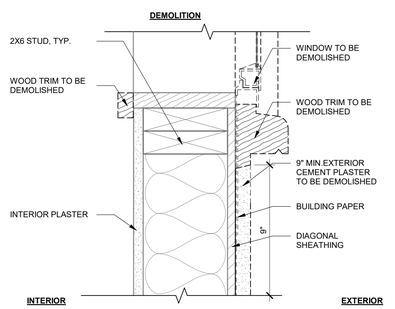
WINDOW HEAD (ALTERNATE) | 3" = 1'-0" | 6

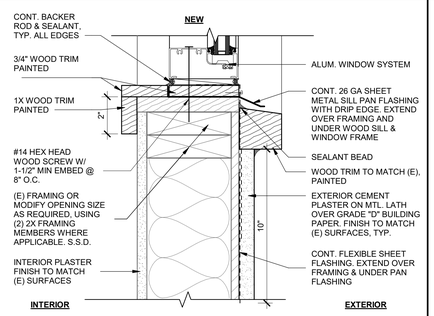


INT WD. DOOR WITH EXISTING FRAME1 | 3" = 1'-0" | 1

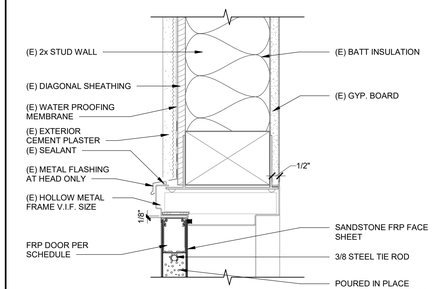


WINDOW JAMB | 3" = 1'-0" | 19

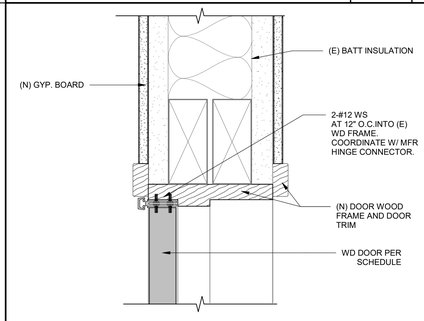




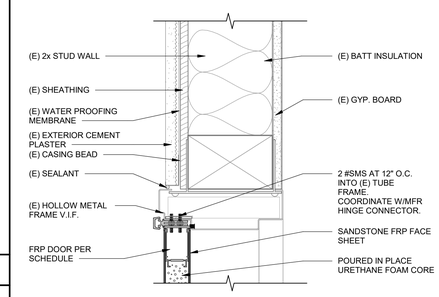
WINDOW SILL | 3" = 1'-0" | 20



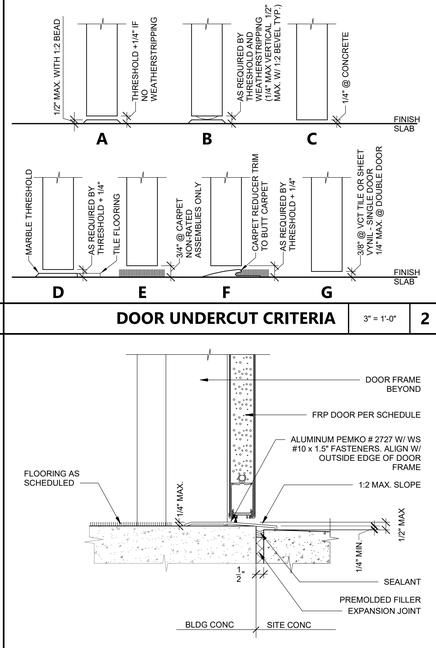
FRP HEAD DETAIL - (E) HM FRAME | 3" = 1'-0" | 7



INT. DOOR JAMB/HEAD - (N) WD FRAME | 3" = 1'-0" | 8

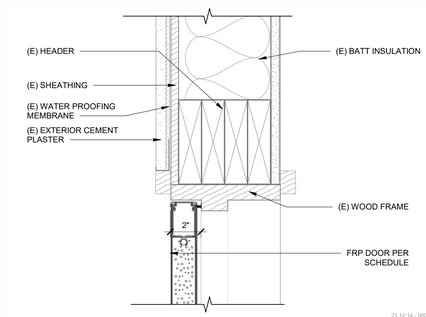


FRP JAMB DETAIL - (E) HM FRAME | 3" = 1'-0" | 10

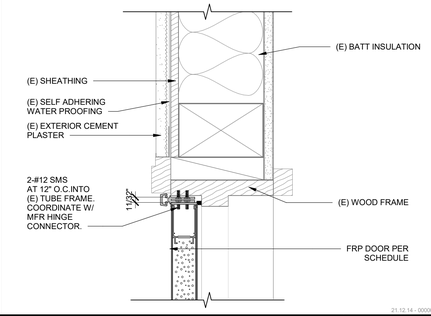


DOOR UNDERCUT CRITERIA | 3" = 1'-0" | 2

EXTERIOR DOOR THRESHOLD | 3" = 1'-0" | 3



EXT. DOOR HEAD - (E) WD FRAME | 3" = 1'-0" | 4



EXT. DOOR JAMB - (E) WD FRAME | 3" = 1'-0" | 5

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LICENSED ARCHITECT JUAN F. ALVAREZ-PEREZ C-36102 REN. 01-31-25 STATE OF CALIFORNIA

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SHEET TITLE

DOOR AND WINDOW DETAILS

INCREMENT 2

DRAWN BY: DV JOB NUMBER: 23120.01

SHEET NO.

2A-821

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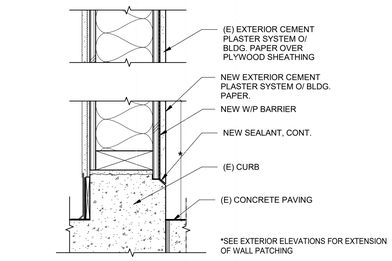
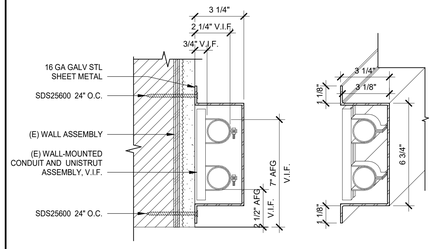
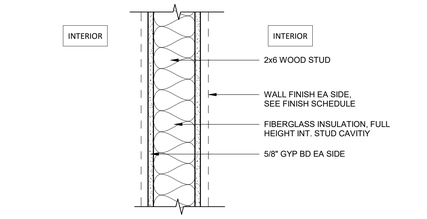


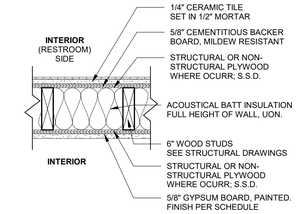
CEMENT PLASTER @ EXTERIOR WALL — 1 1/2" = 1'-0" — 16



CONDUIT CHASE SECTION DTL — 3" = 1'-0" — 11



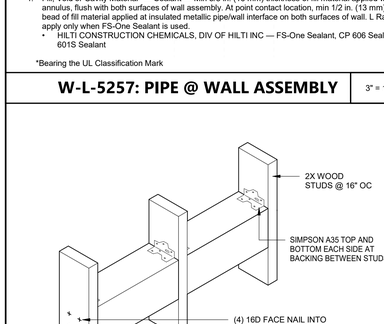
WALL TYPE 9 — 1 1/2" = 1'-0" — 6



WALL TYPE 7 — 1 1/2" = 1'-0" — 1

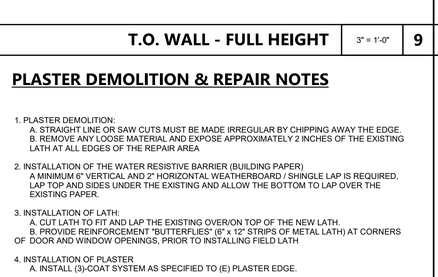
3. SEE ARCH DWG A909.2 FOR TOP OF NON-BEARING WALL AT (E) TRUSSES.

BOTTOM OF WALL — N.T.S. — 17

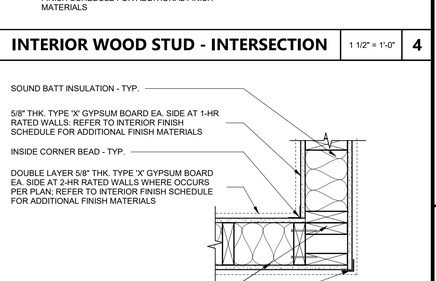


21.12.14 - 00000

PENETRATION @ EXTERIOR WALL — 3" = 1'-0" — 12



TILE TERMINATION — 1 1/2" = 1'-0" — 7



INFILL WALL@PLYWOOD — 1 1/2" = 1'-0" — 2

System No. W-L-5257

F RATING - 1 and 2 Hr (See Item 1)
T RATING - 0 and 1 Hr (See Item 1)
L RATING AT AMBIENT - 4 CFM/Sq Ft (See Item 4)
L RATING AT 400F - Less Than 1 CFM/Sq Ft (See Item 4)

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 specified in the individual U300, U400 or V400 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.
   B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (122 cm) wide, with square or tapered edges. Thickness, type, number of layers and fasteners as specified in the individual Wall and Partition Design. Max diam of opening is 8 in. (203 mm).
      • The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed. The hourly T Rating of the firestop system is 1 hr for 2 hr fire rated walls and 0 hr for 1 hr fire rated walls.
2. Through Penetrant — One metallic pipe or tube to be installed eccentrically or concentrically within the firestop system. Pipe or tube to be rigidly supported on both sides of the wall assembly. The following types and sizes of metallic pipes and tubes may be used.
   A. Steel Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.
   B. Iron Pipe — Nom 4 in. (102 mm) diam (or smaller) cast or ductile iron pipe.
   C. Copper Pipe — Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.
   D. Copper Tube — Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tube.
3. Pipe Covering* — Nom 1-1/2 in. (38 mm) thick hollow cylindrical heavy density (3.5 pcf or 24 kg/m3) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product. The annular space between the insulated pipe and the periphery of the opening shall be min 0 in. (point contact) to max 7/8 in. (22 mm).
   • See Pipe Equipment Covering — Materials— (BRGU) Category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
4. 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 assembly. At point contact location, min 1/2 in. (13 mm) diam bead of fill material applied at insulated metallic pipe/wall interface on both surfaces of wall. L Ratings apply only when FS-One Sealant is used.
   • HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant, CP 606 Sealant or CP 601S Sealant

*Bearing the UL Classification Mark

21.12.14 - 00000

W-L-5257: PIPE @ WALL ASSEMBLY — 3" = 1'-0" — 14

WALL PARALLEL WITH DECK FLUTES

WALL PERPENDICULAR TO DECK FLUTES

T.O. WALL - FULL HEIGHT — 3" = 1'-0" — 9

B.O. WALL- W/ OUT CURB — 3" = 1'-0" — 3

PLASTER DEMOLITION & REPAIR NOTES

1. PLASTER DEMOLITION:
   A. STRAIGHT LINE OR SAW CUTS MUST BE MADE IRREGULAR BY CHIPPING AWAY THE EDGE.
   B. REMOVE ANY LOOSE MATERIAL AND EXPOSE APPROXIMATELY 2 INCHES OF THE EXISTING LATH AT ALL EDGES OF THE REPAIR AREA
2. INSTALLATION OF THE WATER RESISTIVE BARRIER (BUILDING PAPER)
   A MINIMUM 6" VERTICAL AND 2" HORIZONTAL WEATHERBOARD / SHINGLE LAP IS REQUIRED, LAP TOP AND SIDES UNDER THE EXISTING AND ALLOW THE BOTTOM TO LAP OVER THE EXISTING PAPER.
3. INSTALLATION OF LATH:
   A. CUT LATH TO FIT AND LAP THE EXISTING OVER/ON TOP OF THE NEW LATH.
   B. PROVIDE REINFORCEMENT "BUTTERFLIES" (6" x 12" STRIPS OF METAL LATH) AT CORNERS OF DOOR AND WINDOW OPENINGS, PRIOR TO INSTALLING FIELD LATH
4. INSTALLATION OF PLASTER
   A. INSTALL (3)-COAT SYSTEM AS SPECIFIED TO (E) PLASTER EDGE.

INTERIOR WOOD STUD - CORNER — 1 1/2" = 1'-0" — 5

INTERIOR WOOD STUD - INTERSECTION — 1 1/2" = 1'-0" — 4

21.12.14 - 00000

BACKING AT WOOD STUDS — 3" = 1'-0" — 15

AGENCY APPROVAL DSA# 01-121407

196

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PROFESSIONAL STAMP

LICENSED ARCHITECT — ALVARO ALVAREZ — C-36107 — REN 01-31-25 — STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
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MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION
5880 Mt. Zion Drive
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SHEET TITLE

WALL TYPES & DETAILS

INCREMENT 2

DRAWN BY: MP JOB NUMBER: 23120.01

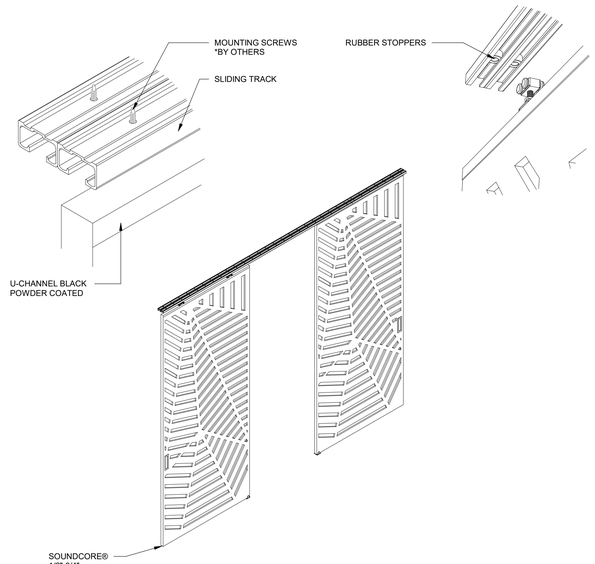
SHEET NO.

2A-911

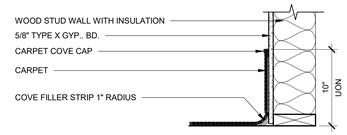
DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

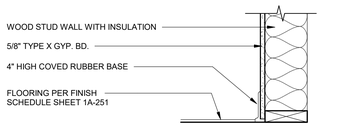
DATE PLOTTED: 10/17/2024 9:12:13 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDIUSD_MT DIABLO ES MOD_INC02_A22.rvt



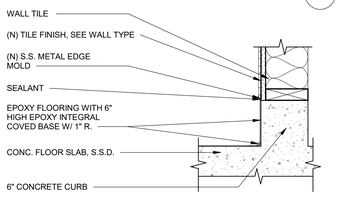
FELT PARTITION | N.T.S. | 17



CARPET BASE — A

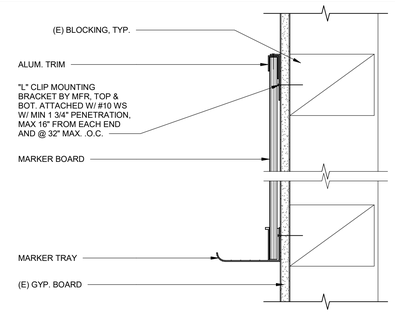


RUBBER BASE — B

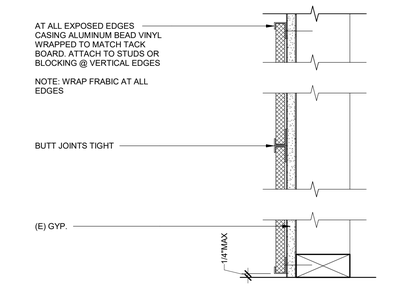


EPOXY COVE BASE @ TOILET ROOMS — C

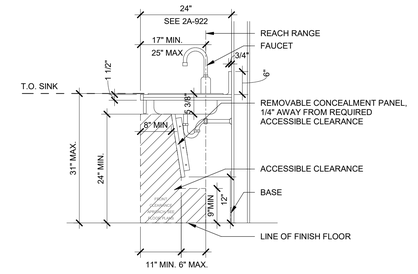
FLOOR BASE | 1 1/2" = 1'-0" | 11



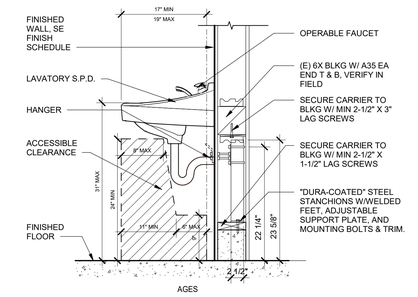
MARKER BOARD | 3" = 1'-0" | 6



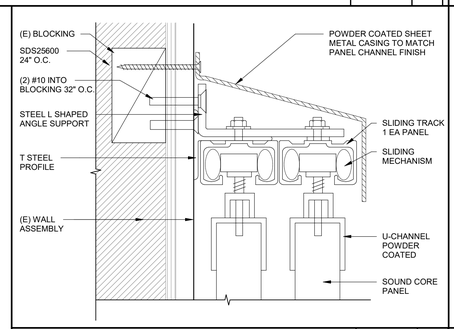
TACKBOARD | 3" = 1'-0" | 7



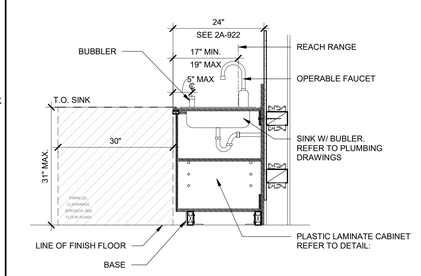
TYP SINK MTG - AGES 9-12 & ADULTS | 3/4" = 1'-0" | 1



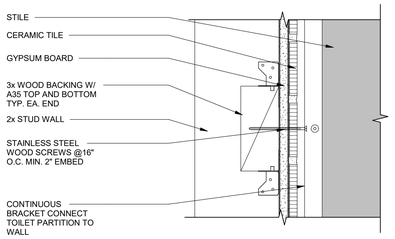
LAVATORY MOUNTING | 1" = 1'-0" | 2



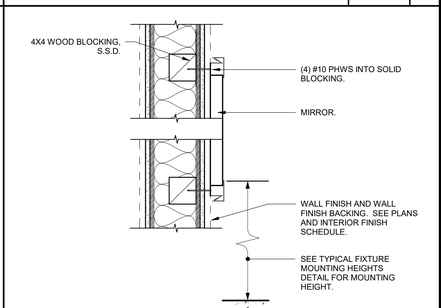
FELT PARTITION TRACK | 1" = 1'-0" | 18



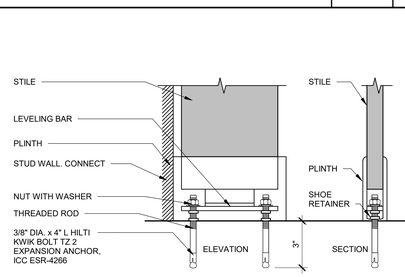
TYP SINK MTG - AGES 5-8 | 3/4" = 1'-0" | 12



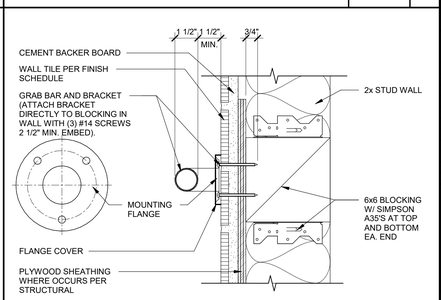
TOILET PARTITION BRACKET | 3" = 1'-0" | 8



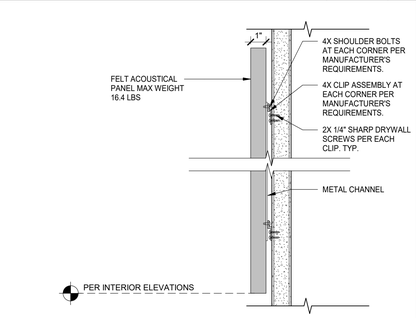
MIRROR MOUNTING | 1 1/2" = 1'-0" | 3



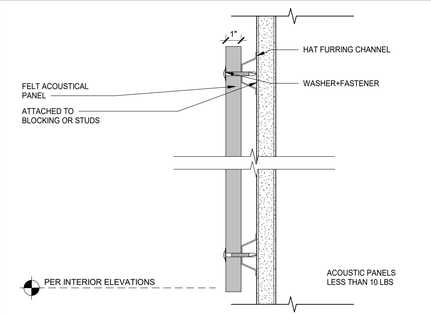
TOILET PARTITION SHOE | 3" = 1'-0" | 9



GRAB BAR BLOCKING | 3" = 1'-0" | 4



ACOUSTICAL WALL PANELS - TYPE B | 6" = 1'-0" | 10



ACOUSTICAL WALL PANELS - TYPE A | 6" = 1'-0" | 5

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LICENSED ARCHITECT — MARIANA ALVAREZ PARKER — C-36103 — REN 01-31-25 — STATE OF CALIFORNIA

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SHEET TITLE

INTERIOR DETAILS

INCREMENT 2

DRAWN BY: MP JOB NUMBER: 23120.01

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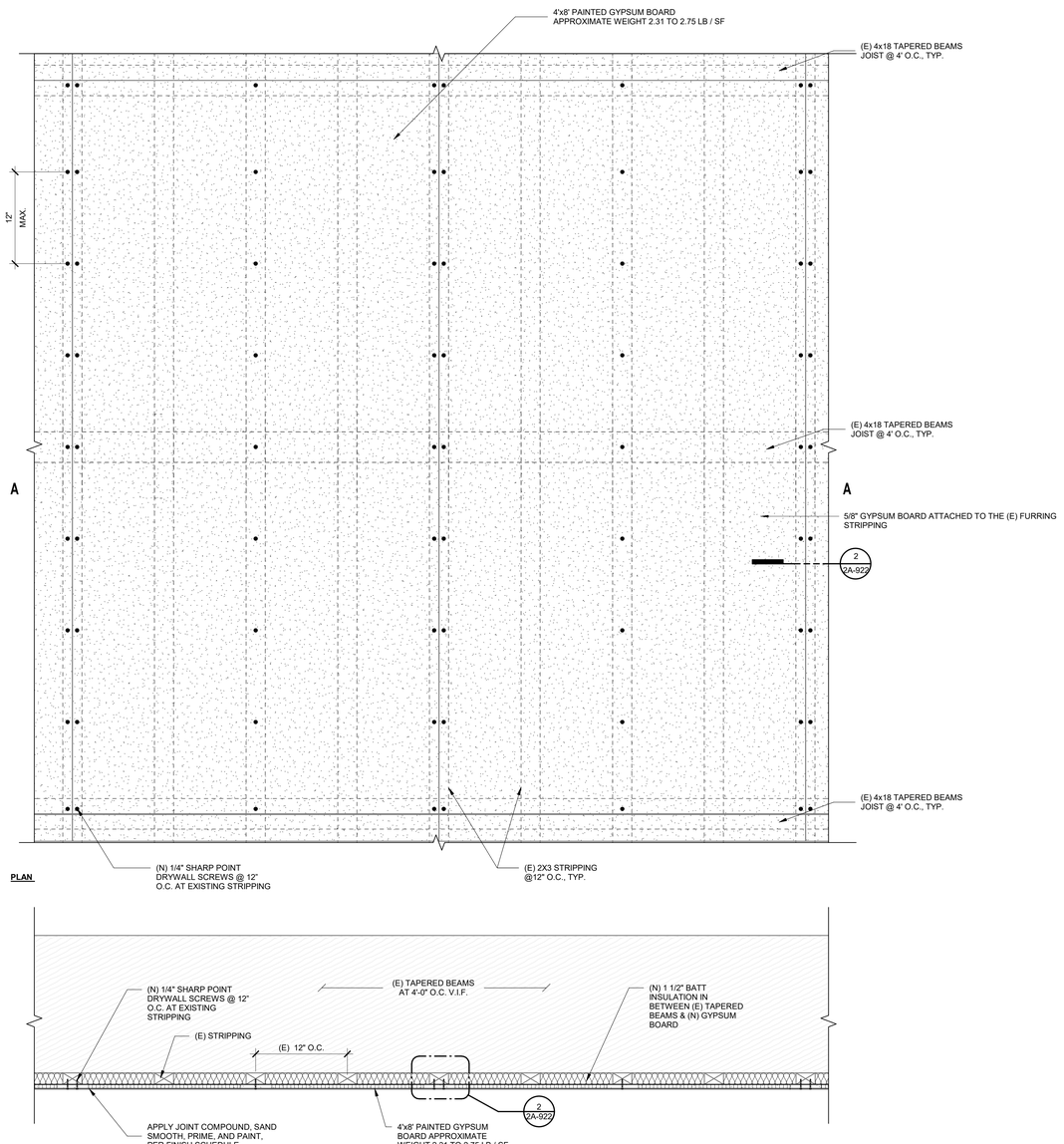
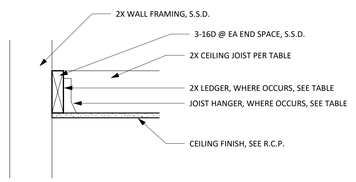


PLAN

SECTION AA

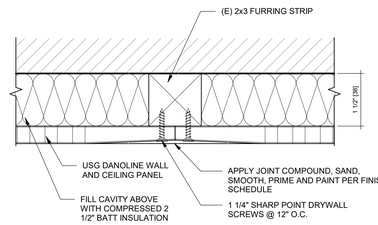
DIRECT ATTACH ACOUSTIC CEILING PANEL TO EXISTING FRAMING | 1 1/2" = 1'-0" | 5



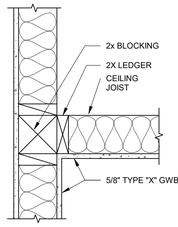
SPAN	JOIST SIZE	HANGER, IF REQUIRED	LEDGER, IF REQUIRED
< 5'-0"	2X4 @ 16" O.C.	LU24	2X4 W/ (2) 16d @ 16" O.C.

NOTES:
1. WHERE LEDGER S ARE NAILED THROUGH PLYWOOD, USE 20d NAILS INSTEAD OF 16d AS SCHEDULED

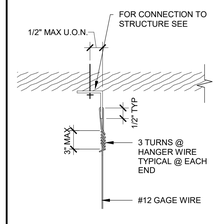
CEILING FRAMING - WOOD1 | 1 1/2" = 1'-0" | 3



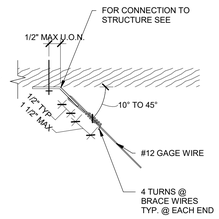
CEILING ATTACHMENT @ CLASSROOM | 1 1/2" = 1'-0" | 2



GYPSUM BOARD CEILING- WOOD | 1 1/2" = 1'-0" | 11



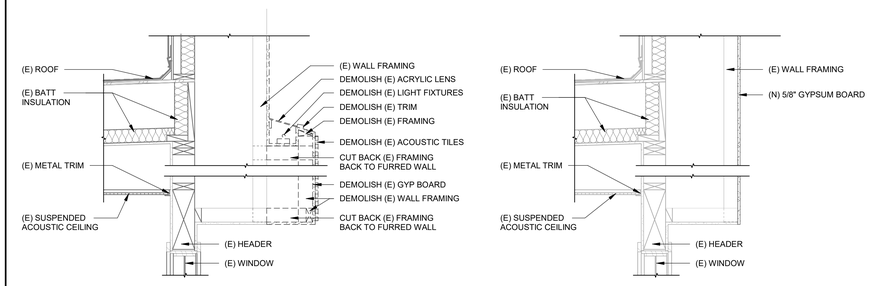
HANGER WIRE



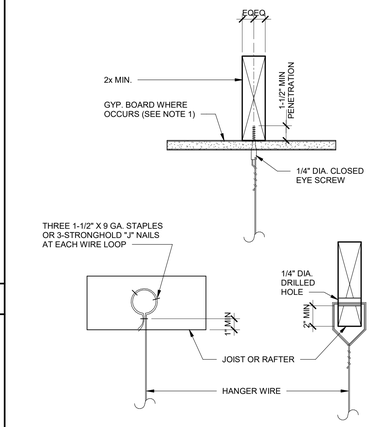
BRACING WIRE

IR 25-2.19
4.10

TYP. BRACING WIRE | 6" = 1'-0" | 12



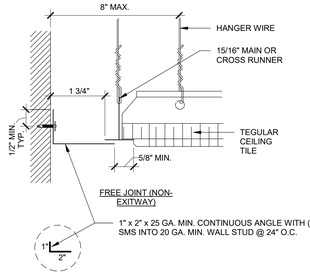
SOFFIT DEMOLITION AND NEW | 3/4" = 1'-0" | 4



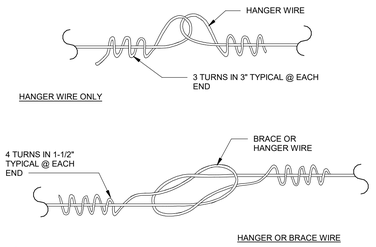
NOTE:
1. WHEN FIRE RATED GYP. BOARD IS INSTALLED ON THE BOTTOM FLANGES, USE SCREW EYES W/ SUFFICIENT LENGTH TO AVOID DAMAGING THE FIRE RATED GYP. BOARD AND MEET MIN. PENETRATION.

IR 25-2.19
4.25

HANGER WIRE TO (E) JOISTS | 3" = 1'-0" | 13



CEILING PERIMETER FOR TEGULAR TILE | 6" = 1'-0" | 6



NOTES:
WIRE SPLICES ARE SHOWN LOOSELY TIED FOR ILLUSTRATIVE PURPOSES ONLY AND SHALL BE DRAWN TIGHT TO COMPLETE INSTALLATION WHEN CONSTRUCTED.

IR 25-2.13
6.10

TYPICAL WIRE SPLICES | 6" = 1'-0" | 7

CEILING SYSTEM GENERAL NOTES

1. CEILING SYSTEM GENERAL NOTES:

FOR CEILING INSTALLATIONS UTILIZING ACOUSTICAL TILE PANELS OF MINERAL OR GLASS FIBER, IT IS NOT MANDATORY TO PROVIDE ¾" CLEARANCE BETWEEN THE ACOUSTICAL TILE PANELS AND THE WALL ON THE SIDES OF THE CEILING WHICH ARE FREE TO SLIP. FOR ALL OTHER CEILING PANEL TYPES, PROVIDE ½" CLEARANCE BETWEEN THE CEILING PANEL AND THE WALL ON THE SIDES OF THE CEILING FREE TO SLIP.

2. LIGHT FIXTURES:

6.01 ALL LIGHT FIXTURES 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 LIGHT FIXTURES 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 GAGE. ROTATIONAL SPRING CATCHES DO NOT COMPLY. A #12 GAGE SLACK SAFETY WIRE SHALL BE CONNECTED FROM EACH CLAMPING DEVICE TO THE STRUCTURE ABOVE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE EIGHT (8) FEET OR LONGER OR EXCEED 56 LB. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED EIGHT (8) FEET.

6.03 LIGHT FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB. SHALL HAVE A MINIMUM OF ONE (1) #12 GAGE SLACK SAFETY WIRE CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE.

6.04 LIGHT FIXTURES WEIGHING GREATER THAN 10 LB. BUT LESS THAN OR EQUAL TO 56 LBS. MAY BE SUPPORTED DIRECTLY ON THE CEILING RUNNERS, BUT THEY SHALL HAVE A MINIMUM OF TWO (2) #12 GAGE SLACK SAFETY WIRES CONNECTED FROM THE FIXTURE HOUSING AT DIAGONAL CORNERS TO THE STRUCTURE ABOVE.

EXCEPTION: ALL LIGHT FIXTURES GREATER THAN TWO BY FOUR FEET WEIGHING LESS THAN 56 LBS. SHALL HAVE A #12 GAGE SLACK SAFETY WIRE AT EACH CORNER.

6.05 ALL LIGHT FIXTURES WEIGHING GREATER THAN 56 LB. SHALL BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR (4) TAUT #12 GAGE HANGER WIRES (ONE AT EACH CORNER) ATTACHED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE OR OTHER APPROVED HANGERS. THE FOUR (4) TAUT #12 GAGE WIRES OR OTHER APPROVED HANGERS, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, SHALL BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE FIXTURE.

3. 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 LB. SHALL HAVE ONE (1) #12 GAGE SLACK SAFETY WIRE ATTACHED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE.

7.03 FLEXIBLE SPRINKLER HOSE FITTINGS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING MORE THAN 20 LB. BUT LESS THAN OR EQUAL TO 56 LB. SHALL HAVE TWO (2) #12 GAGE SLACK SAFETY WIRES (AT DIAGONAL CORNERS) CONNECTED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE.

7.04 FLEXIBLE SPRINKLER HOSE FITTINGS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING MORE THAN 56 LB. SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY NOT LESS THAN FOUR (4) TAUT #12 GAGE HANGER WIRES ATTACHED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE OR OTHER APPROVED HANGERS.

4. 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. IN ADDITION, DEVICES WEIGHING MORE THAN 10 LBS. SHALL HAVE A #12 GAGE SLACK SAFETY WIRE ANCHORED TO THE STRUCTURE ABOVE. DEVICES WEIGHING MORE THAN 20 LB. SHALL BE SUPPORTED INDEPENDENTLY FROM THE STRUCTURE ABOVE.

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REVISIONS

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

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SHEET TITLE
CEILING DETAILS

INCREMENT 2

DRAWN BY: Author JOB NUMBER: 23120.01

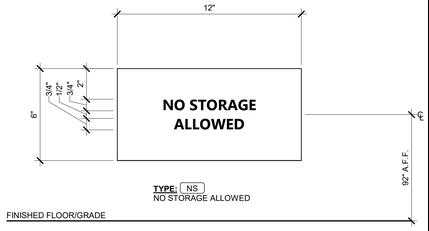
SHEET NO.
2A-922

DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

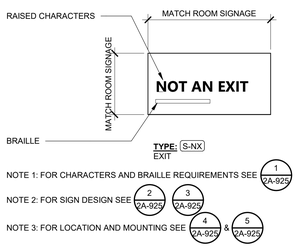
FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt

DATE PLOTTED: 10/17/2024 9:12:15 AM



SIGNAGE - MAXIMUM OCCUPANCY

3" = 1'-0" | 21



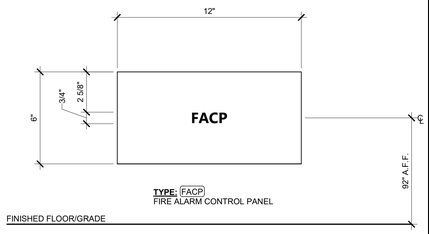
NOTE 1: FOR CHARACTERS AND BRAILLE REQUIREMENTS SEE 1/2A-925

NOTE 2: FOR SIGN DESIGN SEE 2/2A-925, 3/2A-925

NOTE 3: FOR LOCATION AND MOUNTING SEE 4/2A-925 & 5/2A-925

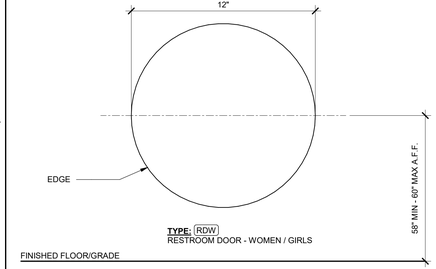
SIGNAGE - EXIT

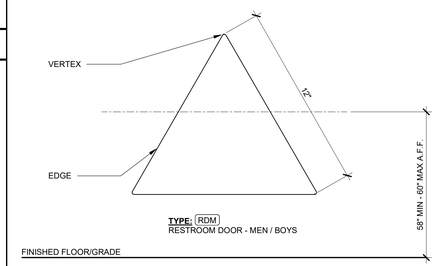
3" = 1'-0" | 22

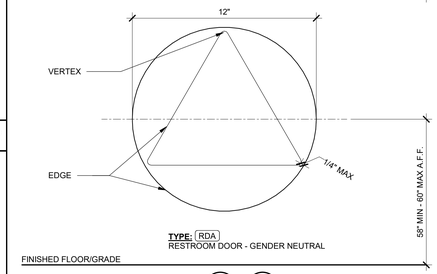


SIGNAGE - MAXIMUM OCCUPANCY

3" = 1'-0" | 23







NOTE 1: FOR LOCATION AND MOUNTING SEE 4/2A-925 & 5/2A-925

NOTE 2: SECOND SURFACE SCREENED COPY ON MATTE CLEAR ACRYLIC

NOTE 3: COLOR TBD. MUST HAVE AT LEAST 70% CONTRAST TO DOOR COLOR

NOTE 4: EDGES SHALL BE EASED OR ROUNDED AT 1/16" MIN OR CHAMFERED AT 1/8" MAX.

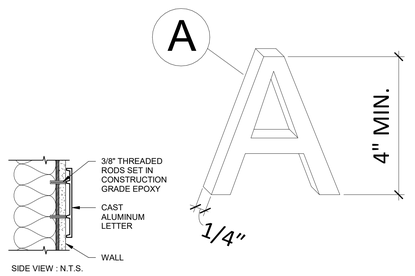
NOTE 5: VERTICES ON TRIANGLES SHALL BE RADIUSED BETWEEN 1/8" MIN AND 1/4" MAX.

NOTE 6: CIRCLE & TRIANGLE SYMBOL SHALL BE 1/4" THICK.

NOTE 7: THE INSCRIBED TRIANGLE SHALL BE 1/4" THICK CONTRASTING COLOR ON A 1/4" THICK CIRCLE (1/2" TOTAL THICKNESS) THAT IS IN CONTRAST WITH THE DOOR COLOR (NOTE 3)

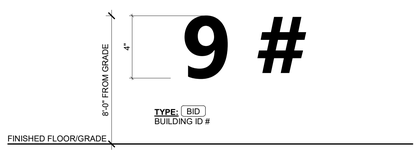
SIGNAGE - RESTROOM DOORS

3" = 1'-0" | 18



CAST ALUMINUM LETTER SIGNAGE

1 1/2" = 1'-0" | 19

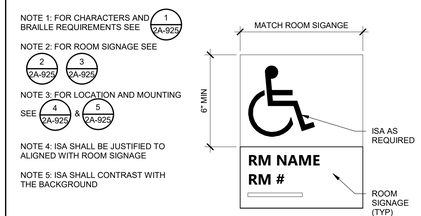


NOTE 1: LETTERS TO BE CAST ALUMINUM PAINTED BLACK 1/4" TICK

NOTE 2: SIGNAGE MOUNTING PER 19/2A-925

BUILDING ID SIGNAGE

3" = 1'-0" | 20



NOTE 1: FOR CHARACTERS AND BRAILLE REQUIREMENTS SEE 1/2A-925

NOTE 2: FOR ROOM SIGNAGE SEE 2/2A-925, 3/2A-925

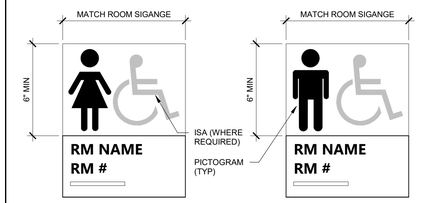
NOTE 3: FOR LOCATION AND MOUNTING SEE 4/2A-925 & 5/2A-925

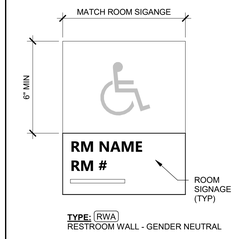
NOTE 4: ISA SHALL BE JUSTIFIED TO ALIGNED WITH ROOM SIGNAGE

NOTE 5: ISA SHALL CONTRAST WITH THE BACKGROUND

SIGNAGE - ROOM - ISA

3" = 1'-0" | 11





NOTE 1: FOR CHARACTERS AND BRAILLE REQUIREMENTS SEE 1/2A-925

NOTE 2: FOR ROOM SIGNAGE SEE 2/2A-925, 3/2A-925

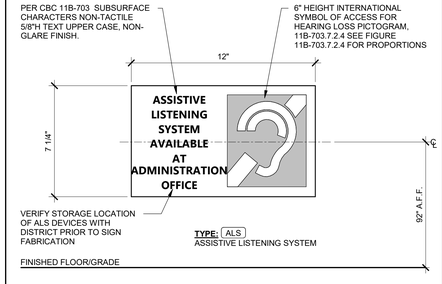
NOTE 3: FOR LOCATION AND MOUNTING SEE 4/2A-925 & 5/2A-925

NOTE 4: PICTOGRAMS SHALL BE PER 6/2A-925

NOTE 5: ISA SYMBOL REQUIRED AT RESTROOMS IN BUILDINGS WHERE NOT ALL RESTROOMS ARE ACCESSIBLE.

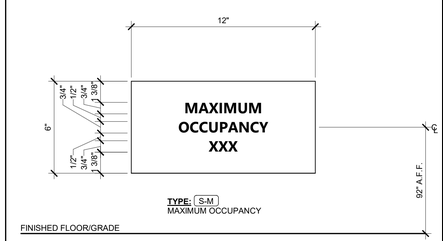
SIGNAGE - RESTROOMS - PICTOGRAMS

3" = 1'-0" | 13



SIGNAGE - ALS

3" = 1'-0" | 14



SIGNAGE - MAXIMUM OCCUPANCY

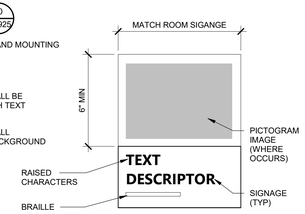
3" = 1'-0" | 15

NOTE 1: FOR SIGNAGE SEE 2/2A-925, 3/2A-925, 10/2A-925

NOTE 2: FOR LOCATION AND MOUNTING SEE 4/2A-925 & 5/2A-925

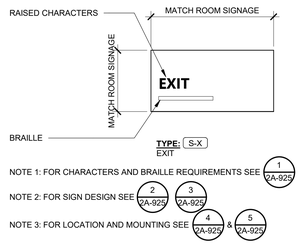
NOTE 3: PICTOGRAM SHALL BE JUSTIFIED TO ALIGN WITH TEXT DESCRIPTOR

NOTE 4: PICTOGRAM SHALL CONTRAST WITH THE BACKGROUND



SIGNAGE - PICTOGRAMS

3" = 1'-0" | 6



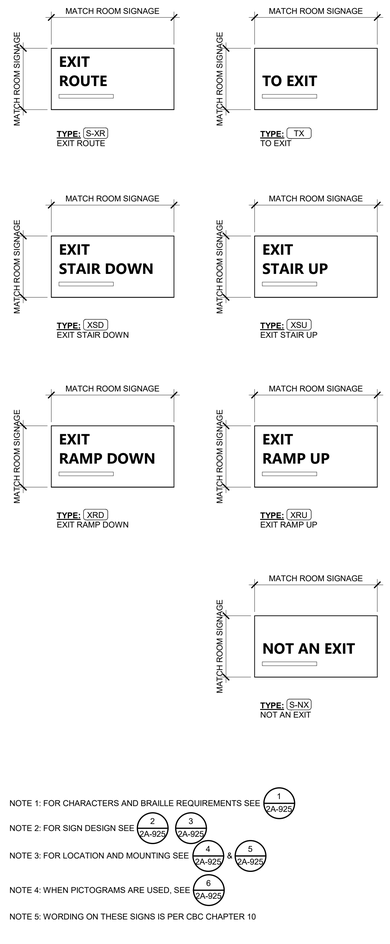
NOTE 1: FOR CHARACTERS AND BRAILLE REQUIREMENTS SEE 1/2A-925

NOTE 2: FOR SIGN DESIGN SEE 2/2A-925, 3/2A-925

NOTE 3: FOR LOCATION AND MOUNTING SEE 4/2A-925 & 5/2A-925

SIGNAGE - EXIT

3" = 1'-0" | 7



NOTE 1: FOR CHARACTERS AND BRAILLE REQUIREMENTS SEE 1/2A-925

NOTE 2: FOR SIGN DESIGN SEE 2/2A-925, 3/2A-925

NOTE 3: FOR LOCATION AND MOUNTING SEE 4/2A-925 & 5/2A-925

NOTE 4: WHEN PICTOGRAMS ARE USED, SEE 6/2A-925

NOTE 5: WORDING ON THESE SIGNS IS PER CBC CHAPTER 10

SIGNAGE - EXIT ROUTES

3" = 1'-0" | 10

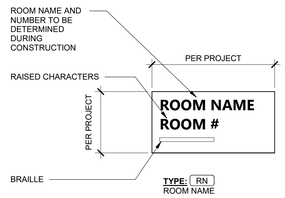
1. PROVIDE SIGNS WHERE INDICATED ON PLANS.
2. RAISED CHARACTERS SHALL COMPLY WITH SECTION 11B-703.2 AND SHALL BE DUPLICATED IN BRAILLE.

   DEPTH: RAISED CHARACTERS SHALL BE 1/32INCH MINIMUM ABOVE THEIR BACKGROUND
   CASE: CHARACTERS SHALL BE UPPER CASE
   STYLE: CHARACTERS SHALL BE SANS SERIF
   PROPORTIONS: THE WIDTH OF LETTER "O" SHALL BE 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF LETTER "I"
   HEIGHT: 5/8 INCH MINIMUM AND 2 INCHES MAXIUM
3. BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH SECTION 11B-703.3.

   DIMENSIONS: BASE DOT DIAMTER 0.059 INCHES TO 0.063 INCHES
   SPACING IN EACH CELL AT 0.10 INCHES ON CENTER
   SPACING BETWEEN CELLS TO BE 0.30 INCHES
   DOT HEIGHT TO BE BETWEEN 0.025 INCHES TO 0.037 INCHES WITH DOMED TOPS
   POSITION: BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT
4. CHARACTERS AND SYMBOLS SHALL BE LIGHT-ON-DARK OR DARK-ON-LIGHT CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND.
5. FOR ALL SIGNS MOUNTED ON GLAZING COORDINATE OPPOSITE SIDE SIGN IN THE SAME LOCATION. WHERE NO SIGN IS SPECIFIED ON OPPOSITE SIDE, PROVIDE A BLANK SIGN TO MATCH PER 5/2A-925

SIGNAGE - GENERAL NOTES

12" = 1'-0" | 1



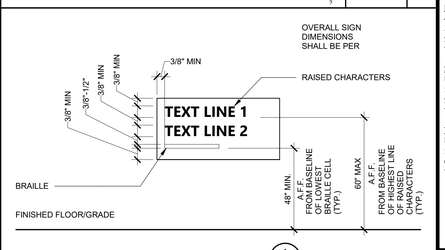
NOTE 1: FOR CHARACTERS AND BRAILLE REQUIREMENTS SEE 1/2A-925 & 3/2A-925

NOTE 2: FOR LOCATION AND MOUNTING SEE 4/2A-925 & 5/2A-925

NOTE 3: FOR ROOM NAMES THAT REQUIRE MULTIPLE LINES OF TEXT, EXPAND THE SIGN VERTICALLY TO ACCOMMODATE THE TEXT

SIGNAGE - ROOM IDENTIFICATION

3" = 1'-0" | 2



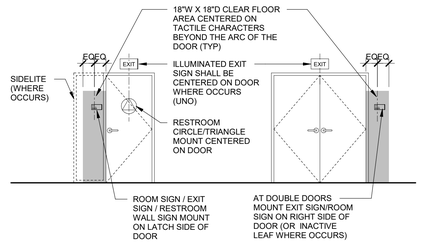
NOTE 1: FOR CHARACTERS AND BRAILLE REQUIREMENTS SEE 1/2A-925

NOTE 2: FOR LOCATION AND MOUNTING SEE 4/2A-925 & 5/2A-925

NOTE 3: FOR SIGNS WITH ONLY A SINGLE LINE OF TEXT, IT SHALL BE LOCATED AT "TEXT LINE 2"

SIGNAGE - CODE DIMENSIONS

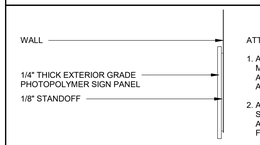
3" = 1'-0" | 3



NOTE 1:
WHERE NO WALL SPACE IS AVAILABLE ON LATCH SIDE FOR SINGLE DOORS OR THE RIGHT SIDE AT DOUBLE DOORS, SIGNS SHALL BE PLACED ON NEAREST ADJACENT WALL, PREFERABLE LATCH SIDE FOR SINGLE DOORS OR THE RIGHT SIDE AT DOUBLE DOORS

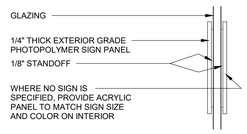
SIGNAGE - MOUNTING LOCATIONS

1/4" = 1'-0" | 4



ATTACHMENT NOTES:

1. AT SMOOTH SURFACES SUCH AS METAL, GYPSUM BOARD AND GLASS, ATTACH WITH D.F. TAPE AND SILICONE AS REQUIRED.
2. AT ROUGH SURFACES SUCH AS STUCCO, CONCRETE AND CMU ATTACH USING VANDAL RESISTANT FASTENERS.



SIGNAGE - MOUNTING

3" = 1'-0" | 5

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PROFESSIONAL STAMP

LICENSED ARCHITECT — MARK P. ALVAREZ — C-36108 — REN 01-31-25 — STATE OF CALIFORNIA

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Clayton, CA 94517

SHEET TITLE

SIGNAGE DETAILS

INCREMENT 2

DRAWN BY: MP JOB NUMBER: 23120.01

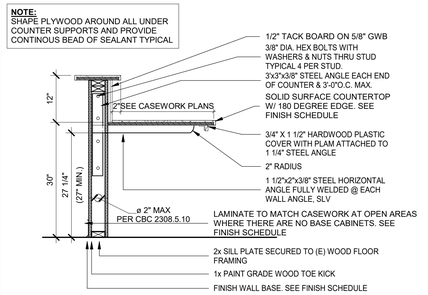
SHEET NO.

2A-925

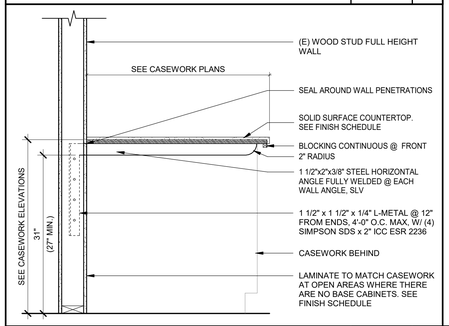
DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

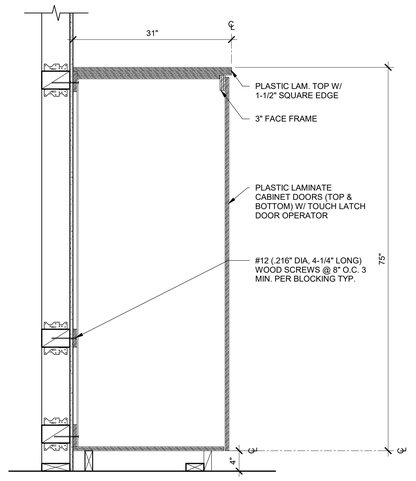
DATE PLOTTED: 10/17/2024 9:12:18 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDIUSD_MT DIABLO ES MOD_INC02_A22.rvt



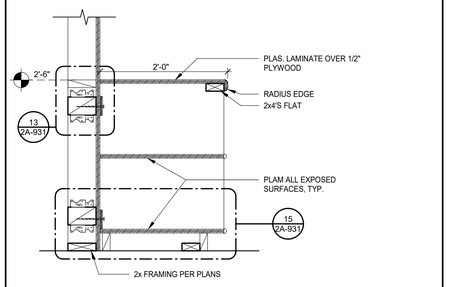
LIBRARY CIRCULATION - HIGH DESK | 3/4" = 1'-0" | 16



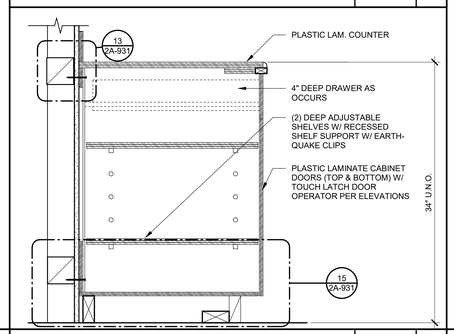
LIBRARY CIRCULATION - WALL DESK | 1" = 1'-0" | 17



IDF CABINET | 1" = 1'-0" | 12



LOWER SHELVES SECTION | 1" = 1'-0" | 6



BASE CABINETS | 1 1/2" = 1'-0" | 7

CASEWORK NOTES

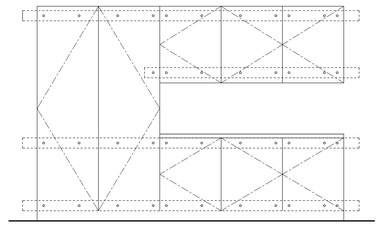
1. SEE INTERIOR ELEVATIONS AND FLOOR PLAN FOR CABINET CONFIGURATIONS AND DIMENSIONS. ONLY THOSE CABINETS CALLED OUT ON INTERIOR ELEVATIONS AND FLOOR PLAN SHALL BE PROVIDED
2. DOOR SWINGS SHALL BE AS SHOWN ON INTERIOR ELEVATIONS, IF NOT ELEVATED, SWINGS SHALL BE AS SHOWN ON DETAIL SHEET ILLUSTRATIONS. SYMBOL 'RS' INDICATES REVERSE SWING.
3. ALL CABINET DIMENSIONS INDICATED ARE NOMINAL OUTSIDE DIMENSIONS, AND SHALL NOT BE EXCEEDED; (EXCEPTION - CABINETS ADJACENT TO WALLS MAY BE INCREASED IN LENGTH TO ELIMINATE THE NEED FOR FILLER STRIPS). A 1/4" TOLERANCE IS PERMITTED ON DIMENSIONS OVER 48". FOR 48" AND SMALLER DIMENSIONS, TOLERANCE IS LIMITED TO 10%. HEIGHT DIMENSION OF BASE CABINETS INCLUDES FINISHED TOP.
4. WHERE BACKSPLASH IS INDICATED, IT SHALL BE 4" HIGH @ NON-SINK AREAS & 6" HIGH OR TO UNDERSIDE OF UPPER CABINETS @ WET AREAS(SEE INTERIOR ELEVATIONS), TOP MOUNTED TYPE, HAVING SQUARE TOP WITH SHELF EDGES
5. ALIGN SIDE OF CABINET WITH EDGE OF DOOR FRAME WHERE OCCURS.
6. PAPER AND CHART STORAGE UNITS SHALL BE 27" DEEP UNLESS OTHER WISE NOTED.
7. BACKING NOTES
   A. PROVIDE #12 TEK SCREWS (AT WOOD STUDS), SPACE ANCHORS AT 16" O.C. MINIMUM OF ONE SCREW AT EACH TOP AND BOTTOM CORNER OF EACH CABINET UNIT.
   B. STUDS OF WALLS BACKING CABINETS SHALL RUN FROM SLAB TO STRUCTURE ABOVE.
   C. ALL SHEET METAL SCREWS MUST HAVE ICC#. SEE SHEET

SYMBOLS AND NOTATIONS FOR CABINETS

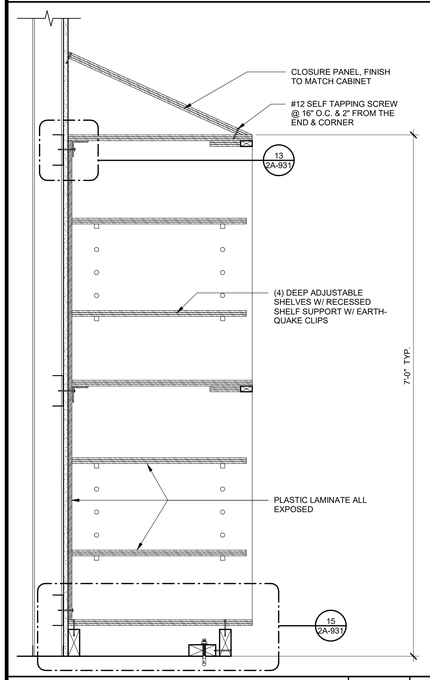


NAAWS STYLE CATEGORIES:

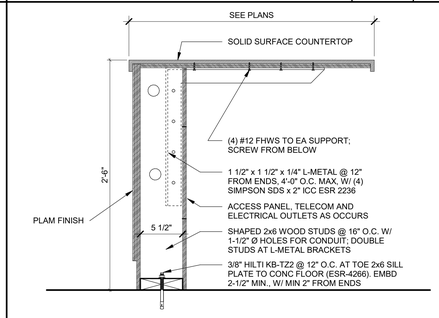
100 - BASE CABINETS, NO DRAWERS
200 - BASE CABINETS WITH DRAWERS
300 - WALL HUNG CABINETS
400 - TALL STORAGE CABINETS
500 - WARDROBE CABINETS
600 - LIBRARY CABINETS
700 - MOVABLE CABINETS



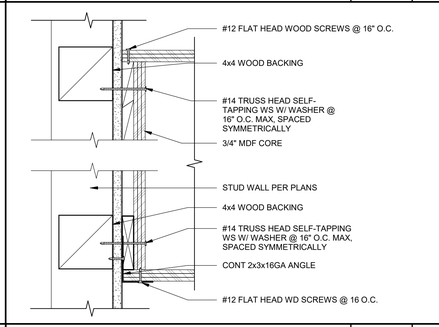
NOTES | 1/2" = 1'-0" | 2



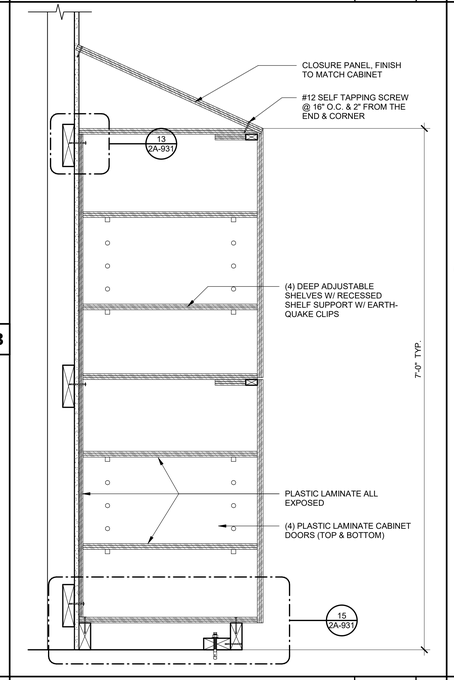
FULL HEIGHT CABINETS, OPEN | 1 1/2" = 1'-0" | 24



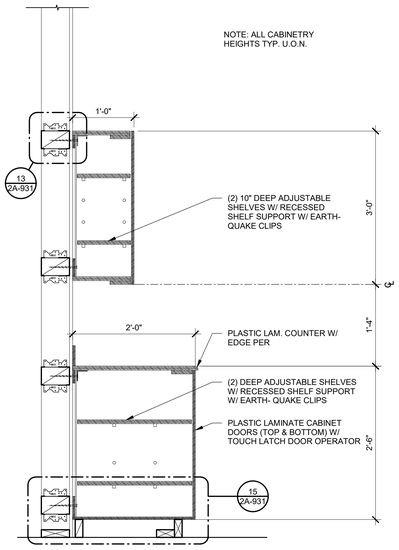
LIBRARY COUNTER | 1 1/2" = 1'-0" | 18



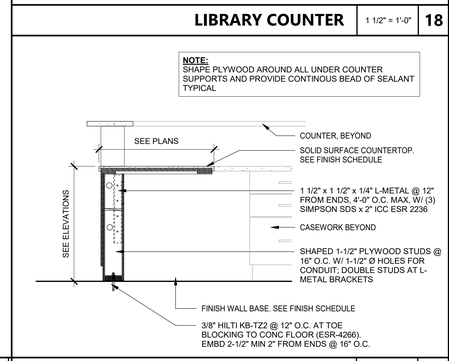
CABINETRY BLOCKING | 3" = 1'-0" | 13



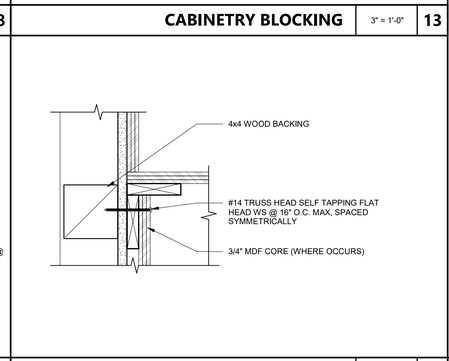
FULL HEIGHT CABINETS | 1 1/2" = 1'-0" | 9



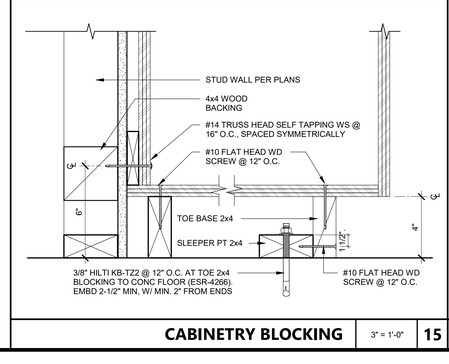
UPPER AND LOWER CABINETS TYP. | 1" = 1'-0" | 4



RECEPTION ADA COUNTER | 3/4" = 1'-0" | 19



CABINETRY BLOCKING | 3" = 1'-0" | 14



CABINETRY BLOCKING | 3" = 1'-0" | 15

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LICENSED ARCHITECT — MARIAN ALVAREZ PALMER — C-36108 — REN 01-31-25 — STATE OF CALIFORNIA

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5880 Mt. Zion Drive
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SHEET TITLE

CASEWORK DETAILS

INCREMENT 2

DRAWN BY: MP JOB NUMBER: 23120.01

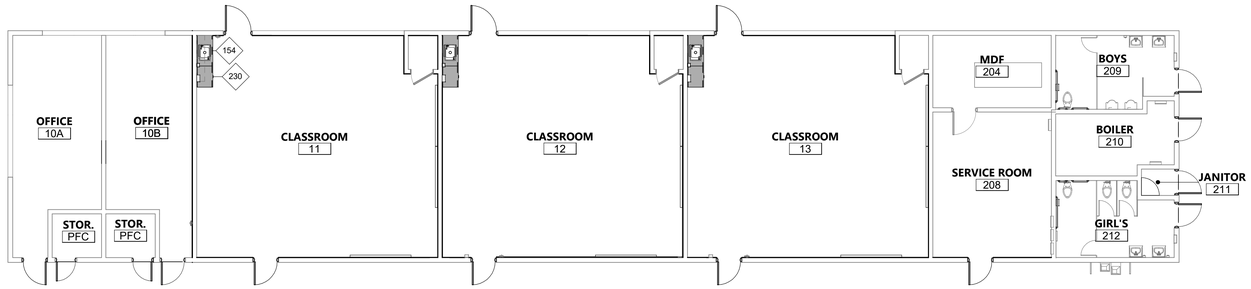
SHEET NO.

2A-931

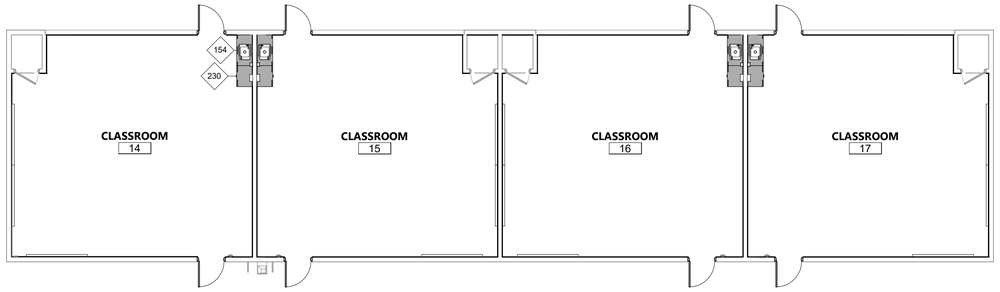
DATE: OCTOBER 16, 2024

CONSTRUCTION DOCUMENTS

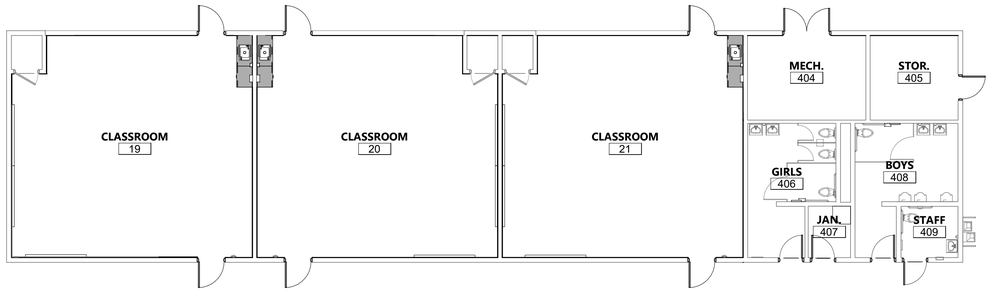
DATE PLOTTED: 10/17/2024 9:12:20 AM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC02_A22.rvt



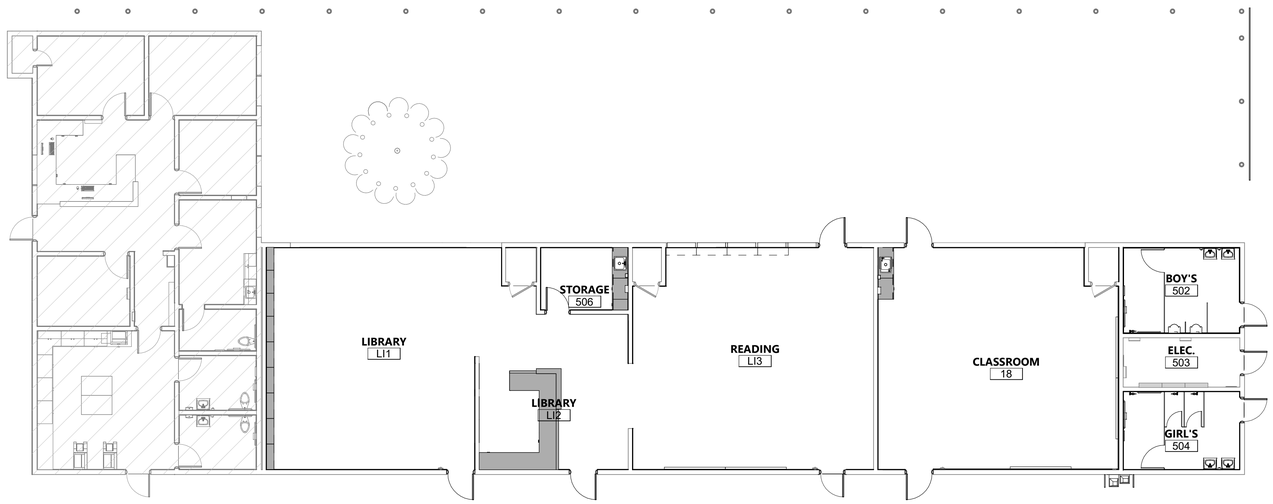
BUILDING 2 FLOOR PLAN CASEWORK | 1/8" = 1'-0" | **1**



BUILDING 3 FLOOR PLAN CASEWORK | 1/8" = 1'-0" | **2**



BUILDING 4 FLOOR PLAN CASEWORK | 1/8" = 1'-0" | **3**



BUILDING 5 - CASEWORK FLOOR PLAN | 1/8" = 1'-0" | **4**

BLDG 2, 3, 4, & 5 EXISTING CASEWORK PHOTOS







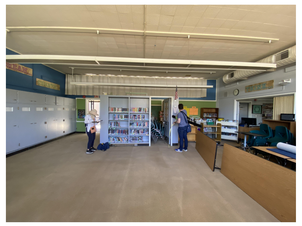














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SHEET TITLE
CASEWORK FLOOR PLANS

INCREMENT 2

DRAWN BY: Author JOB NUMBER: 23120.01

SHEET NO.
2A-933

DATE: OCTOBER 16, 2024

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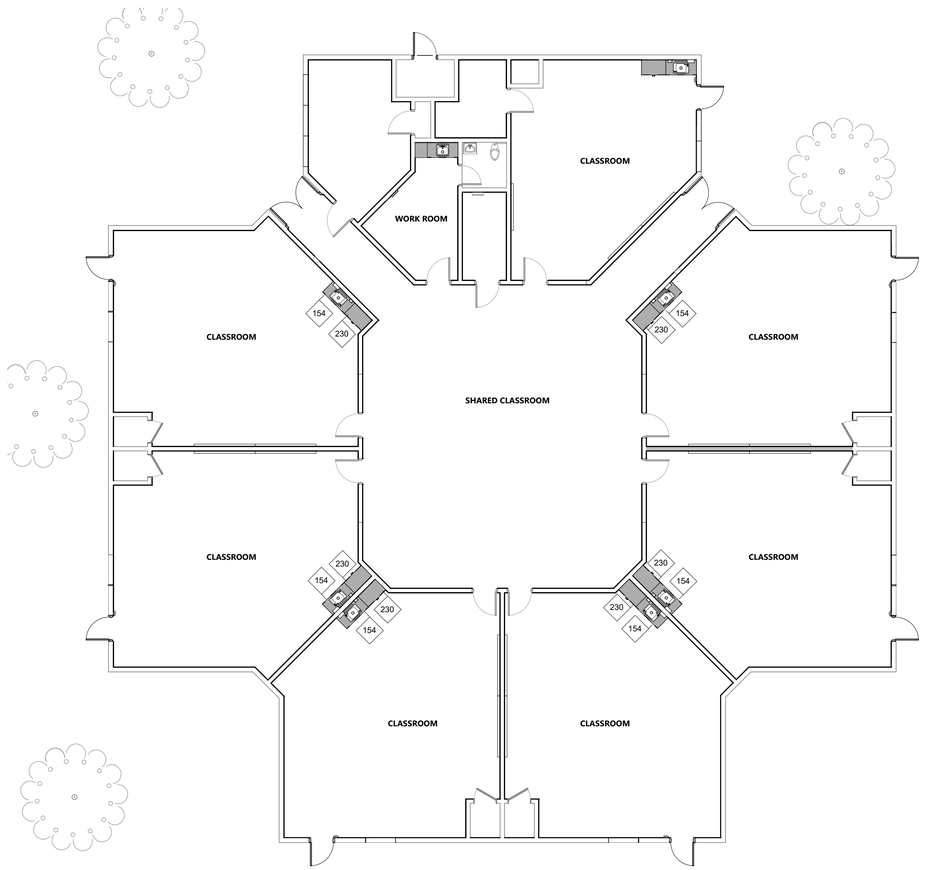

BUILDING 6 FLOOR PLAN CASEWORK | 1/8" = 1'-0" | 1

CASEWORK SCHEDULE INC. 02

Room: Number	Room: Name	Model	Description	Depth	Height	Width	Finish
BUILDING 2							
11	CLASSROOM			2'-1"	2'-10"		
11	CLASSROOM	154	Base Cabinet w/o Drawers	2'-0"	2'-8 1/2"	4'-0"	PLAM
11	CLASSROOM	230	Base Cabinet w/ Drawers	2'-0"	2'-8 1/2"	2'-9"	PLAM
12	CLASSROOM			2'-1"	2'-10"		
12	CLASSROOM	154	Base Cabinet w/o Drawers	2'-0"	2'-8 1/2"	4'-0"	PLAM
12	CLASSROOM	230	Base Cabinet w/ Drawers	2'-0"	2'-8 1/2"	2'-9"	PLAM
13	CLASSROOM			2'-1"	2'-10"		
13	CLASSROOM	154	Base Cabinet w/o Drawers	2'-0"	2'-8 1/2"	4'-0"	PLAM
13	CLASSROOM	230	Base Cabinet w/ Drawers	2'-0"	2'-8 1/2"	2'-9"	PLAM
9							
BUILDING 3							
15	CLASSROOM			2'-1"	2'-10"		
15	CLASSROOM	154	Base Cabinet w/o Drawers	2'-0"	2'-8 1/2"	4'-0"	PLAM
15	CLASSROOM	230	Base Cabinet w/ Drawers	2'-0"	2'-8 1/2"	2'-9"	PLAM
14	CLASSROOM			2'-1"	2'-10"		
14	CLASSROOM	154	Base Cabinet w/o Drawers	2'-0"	2'-8 1/2"	4'-0"	PLAM
14	CLASSROOM	230	Base Cabinet w/ Drawers	2'-0"	2'-8 1/2"	2'-9"	PLAM
17	CLASSROOM			2'-1"	2'-10"		
17	CLASSROOM	154	Base Cabinet w/o Drawers	2'-0"	2'-8 1/2"	4'-0"	PLAM
17	CLASSROOM	230	Base Cabinet w/ Drawers	2'-0"	2'-8 1/2"	2'-9"	PLAM
16	CLASSROOM			2'-1"	2'-10"		
16	CLASSROOM	154	Base Cabinet w/o Drawers	2'-0"	2'-8 1/2"	4'-0"	PLAM
16	CLASSROOM	230	Base Cabinet w/ Drawers	2'-0"	2'-8 1/2"	2'-9"	PLAM
12							
BUILDING 4							
20	CLASSROOM			2'-1"	2'-10"		
20	CLASSROOM	154	Base Cabinet w/o Drawers	2'-0"	2'-8 1/2"	4'-0"	PLAM
20	CLASSROOM	230	Base Cabinet w/ Drawers	2'-0"	2'-8 1/2"	2'-9"	PLAM
19	CLASSROOM			2'-1"	2'-10"		
19	CLASSROOM	154	Base Cabinet w/o Drawers	2'-0"	2'-8 1/2"	4'-0"	PLAM
19	CLASSROOM	230	Base Cabinet w/ Drawers	2'-0"	2'-8 1/2"	2'-9"	PLAM
21	CLASSROOM			2'-1"	2'-10"		
21	CLASSROOM	154	Base Cabinet w/o Drawers	2'-0"	2'-8 1/2"	4'-0"	PLAM
21	CLASSROOM	230	Base Cabinet w/ Drawers	2'-0"	2'-8 1/2"	2'-9"	PLAM
9							
BUILDING 5							
18	CLASSROOM			2'-1"	2'-10"		
18	CLASSROOM	154	Base Cabinet w/o Drawers	2'-0"	2'-8 1/2"	4'-0"	PLAM
18	CLASSROOM	230	Base Cabinet w/ Drawers	2'-0"	2'-8 1/2"	2'-9"	PLAM
506	STORAGE			2'-1"	2'-10"		
506	STORAGE	154	Base Cabinet w/o Drawers	2'-0"	2'-8 1/2"	4'-0"	PLAM
506	STORAGE	230	Base Cabinet w/ Drawers	2'-0"	2'-8 1/2"	2'-9"	PLAM
LI2	LIBRARY						
LI2	LIBRARY		Formica Solid Surface				TUMBLED GLASS
LI1	LIBRARY	601	Library Cabinet	1'-0"	6'-0"	3'-4"	
LI1	LIBRARY	601	Library Cabinet	1'-0"	6'-0"	3'-4"	
LI1	LIBRARY	601	Library Cabinet	1'-0"	6'-0"	3'-4"	
LI1	LIBRARY	601	Library Cabinet	1'-0"	6'-0"	3'-4"	
LI1	LIBRARY	601	Library Cabinet	1'-0"	6'-0"	3'-4"	
LI1	LIBRARY	601	Library Cabinet	1'-0"	6'-0"	3'-4"	
LI1	LIBRARY	601	Library Cabinet	1'-0"	6'-0"	3'-0"	
LI1	LIBRARY	601	Library Cabinet	1'-0"	6'-0"	3'-0"	
LI1	LIBRARY	601	Library Cabinet	1'-0"	6'-0"	3'-0"	
LI3	READING	600	Library Cabinet	1'-0"	3'-3"	4'-0"	
LI3	READING	600	Library Cabinet	1'-0"	3'-3"	4'-0"	
LI3	READING	600	Library Cabinet	1'-0"	3'-3"	4'-0"	
LI3	READING	600	Library Cabinet	1'-0"	3'-3"	4'-0"	
LI2	LIBRARY	230	Base Cabinet w/ Drawers	2'-2"	2'-4 1/2"	2'-5"	
LI2	LIBRARY	230	Base Cabinet w/ Drawers	2'-2"	2'-4 1/2"	2'-5"	
LI2	LIBRARY	230	Base Cabinet w/ Drawers	2'-2"	2'-4 1/2"	2'-5"	
506	STORAGE	230	Base Cabinet w/ Drawers	2'-0"	2'-8 1/2"	1'-5"	PLAM
25							
BUILDING 6							
25	CLASSROOM	230	Base Cabinet w/ Drawers	2'-0"	2'-8 1/2"	3'-2"	PLAM
25	CLASSROOM	154	Base Cabinet w/o Drawers	2'-0"	2'-8 1/2"	4'-0"	PLAM
25	CLASSROOM			2'-0"	2'-6 1/2"		
27	CLASSROOM	230	Base Cabinet w/ Drawers	2'-0"	2'-8 1/2"	3'-2"	PLAM

CASEWORK SCHEDULE INC. 02

Room: Number	Room: Name	Model	Description	Depth	Height	Width	Finish
27	CLASSROOM	154	Base Cabinet w/o Drawers	2'-0"	2'-8 1/2"	4'-0"	PLAM
27	CLASSROOM			2'-0"	2'-6 1/2"		
22	CLASSROOM	230	Base Cabinet w/ Drawers	2'-0"	2'-8 1/2"	3'-2"	PLAM
22	CLASSROOM	154	Base Cabinet w/o Drawers	2'-0"	2'-8 1/2"	4'-0"	PLAM
22	CLASSROOM			2'-0"	2'-6 1/2"		
23	CLASSROOM	230	Base Cabinet w/ Drawers	2'-0"	2'-8 1/2"	3'-2"	PLAM
23	CLASSROOM	154	Base Cabinet w/o Drawers	2'-0"	2'-8 1/2"	4'-0"	PLAM
23	CLASSROOM			2'-0"	2'-6 1/2"		
24	CLASSROOM	230	Base Cabinet w/ Drawers	2'-0"	2'-8 1/2"	3'-2"	PLAM
24	CLASSROOM	154	Base Cabinet w/o Drawers	2'-0"	2'-8 1/2"	4'-0"	PLAM
24	CLASSROOM			2'-0"	2'-6 1/2"		
26	CLASSROOM	230	Base Cabinet w/ Drawers	2'-0"	2'-8 1/2"	3'-2"	PLAM
26	CLASSROOM	154	Base Cabinet w/o Drawers	2'-0"	2'-8 1/2"	4'-0"	PLAM
26	CLASSROOM			2'-0"	2'-6 1/2"		
28	CLASSROOM	230	Base Cabinet w/ Drawers	2'-0"	2'-8 1/2"	3'-2"	PLAM
28	CLASSROOM	154	Base Cabinet w/o Drawers	2'-0"	2'-8 1/2"	4'-0"	PLAM
28	CLASSROOM			2'-0"	2'-6 1/2"		
45	WORK ROOM	154	Base Cabinet w/o Drawers	2'-0"	2'-8 1/2"	4'-0"	PLAM
45	WORK ROOM			2'-0"	2'-6 1/2"		
23							
BUILDING 8							
8	CLASSROOM	154	Base Cabinet w/o Drawers	2'-0"	2'-8 1/2"	3'-4"	
9	CLASSROOM	154	Base Cabinet w/o Drawers	2'-0"	2'-8 1/2"	3'-4"	
2							

BLDG 6 EXISTING CASEWORK PHOTOS







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INCREMENT 2

DRAWN BY: Author JOB NUMBER: 23120.01

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ABBREVIATIONS

ABBREVIATIONS	DESCRIPTION
(E)	EXISTING
AB	ANCHOR BOLT
ADDL	ADDITIONAL
AR	ANCHOR ROD
ARCH	ARCHITECT OR ARCHITECTURAL
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BOT	BOTTOM
BRG	BEARING
BTWN	BETWEEN
CJ	CONTROL/CONSTRUCTION JOINT
CJP	COMPLETE JOINT PENETRATION
CL	CENTER LINE
CLR	CLEAR OR CLEARANCE
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION(S)
CONT	CONTINUOUS
CTR	CENTER
CTRD	CENTERED
CTRSK	COUNTERSINK
db	DIAMETER OF BOLT OR REBAR
DBL	DOUBLE
DET	DETAIL
DF	DOUGLAS FIR
DIA	DIAMETER
DIM(S)	DIMENSION(S)
DWG(S)	DRAWING(S)
EA	EACH
EF	EACH FACE
EMBED	EMBEDMENT
EN	EDGE NAIL
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXP	EXPANSION
EXT	EXTERIOR
FN	FIELD NAILING
FND	FOUNDATION
FS	FAR SIDE
FTG	FOOTING
GA	GAGE, GAUGE
GLB	GLUE-LAMINATED BEAM
GR	GRADE
GYP	GYPSUM
HD	HOLDOWN
HDR	HEADER
HGR	HANGER
HORIZ	HORIZONTAL
HSB	HIGH STRENGTH BOLT
HSS	HOLLOW STRUCTURAL SECTION (TUBE STEEL)
HT	HEIGHT
HVAC	HEATING VENTING AND AIR CONDITIONING
INFO	INFORMATION
LBS	POUNDS
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCATION
LONG	LONGITUDINAL
LVL	LAMINATED VENEER LUMBER
MAX	MAXIMUM
MB	UNFINISHED MACHINE BOLT
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	METAL
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OH	OPPOSITE HAND
OPNG(S)	OPENING(S)
PAF	POWDER ACTUATED FASTENER
PERP	PERPENDICULAR
PJP	PARTIAL JOINT PENETRATION
PL	PLATE
PLY	PLYWOOD
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSL	PARALLEL STRAND LUMBER
REF	REFERENCE
REINF	REINFORCE(D) (ING) OR (MENT)
REQD	REQUIRED
REV	REVISION
SAD	SEE ARCHITECTURAL DRAWINGS
SCD	SEE CIVIL DRAWINGS
SCHED	SCHEDULE(D)
SECT	SECTION
SEOR	STRUCTURAL ENGINEER OF RECORD
SF	SQUARE FOOT (FEET)
SFRS	SEISMIC FORCE RESISTING SYSTEM
SHT	SHEET
SIM	SIMILAR
SMD	SEE MECHANICAL DRAWINGS
SMS	SHEET METAL SCREW(S)
SOG	SLAB ON GRADE
SPEC(S)	SPECIFICATION(S)
SQ	SQUARE
STAGG'D	STAGGERED
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
SYMM	SYMMETRICAL
T&B	TOP AND BOTTOM
THRD'D	THREADED
TJI	TRUS JOIST I-JOIST
TO	TOP OF
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
VIF	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
WF	WIDE FLANGE
WP	WORK POINT
WT	WEIGHT

I. GENERAL REQUIREMENTS

A. THE STRUCTURAL DRAWINGS AND PROJECT SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THE MEANS, METHODS, PROCEDURES AND SEQUENCE OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND ENSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.

B. DURING THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONNEL AND PROPERTY ON AND AROUND THE JOBSITE. THE CONTRACTOR SHALL PROVIDE SHORING, BRACING, GUYS, ETC. IN ACCORDANCE WITH ALL LOCAL, STATE, AND NATIONAL STANDARDS.

C. ALL CONSTRUCTION, TESTING, AND INSPECTIONS SHALL CONFORM TO THE BUILDING CODE REFERENCED UNDER THE HEADING "BASIS OF DESIGN" BELOW.

D. STANDARDS REFERENCED IN THESE DRAWINGS SHALL BE THE LATEST EDITION, UNLESS OTHERWISE NOTED.

E. SEE DRAWINGS OTHER THAN STRUCTURAL FOR: FLOOR FINISHES; DEPRESSIONS IN FLOOR SLABS; OPENINGS IN WALLS AND FLOORS REQUIRED BY ARCHITECTURAL AND MEP FEATURES; EXTERIOR PAVING; CURBS; SLOPES; DRAINS; PADS; NON-STRUCTURAL PARTITIONS; EMBEDDED ITEMS; ETC. COORDINATE THESE ITEMS WITH THE STRUCTURAL DRAWINGS.

F. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT THE JOB SITE BEFORE COMMENCING WORK AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT.

G. OMISSIONS OR DISCREPANCIES BETWEEN THE VARIOUS ELEMENTS OF THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER AND RESOLVED BEFORE PROCEEDING WITH THE WORK.

H. DO NOT SCALE THE DRAWINGS; USE WRITTEN DIMENSIONS ONLY. WHERE NO DIMENSIONS ARE PROVIDED OR WHERE DIMENSIONS PROVIDED CONFLICT WITH OTHER DRAWINGS, CONSULT THE ARCHITECT AND SEOR BEFORE PROCEEDING WITH THE WORK.

I. WHERE MEMBER LOCATIONS ARE NOT DIMENSIONED, MEMBERS SHALL BE LOCATED ON COLUMN LINES OR EQUALLY SPACED BETWEEN MEMBERS ON COLUMN LINES OR BETWEEN MEMBERS OTHERWISE LOCATED. CENTERLINES OF COLUMNS, WALLS, FRAMING MEMBERS, AND FOUNDATIONS COINCIDE WITH GRIDLINES, UNLESS OTHERWISE NOTED.

J. TYPICAL DETAILS ARE INTENDED TO APPLY TO APPLICABLE SITUATIONS, UNLESS OTHERWISE NOTED. TYPICAL DETAILS MAY NOT BE SPECIFICALLY LOCATED.

K. DETAILS SHALL BE APPLIED TO EVERY LIKE CONDITION WHETHER OR NOT THEY ARE REFERENCED IN EVERY INSTANCE. FOR CONDITIONS NOT SPECIFICALLY SHOWN, USE DETAILS SIMILAR TO THOSE PROVIDED.

L. CONTRACTOR SHALL COORDINATE SEWER AND UTILITY LINE LOCATIONS WITH THE FOUNDATION LOCATIONS AND SIZES SHOWN ON THE STRUCTURAL DRAWINGS. ANY INTERFERENCE BETWEEN SEWER/UTILITY LINES AND FOUNDATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND SEOR BEFORE PROCEEDING WITH THE WORK.

M. THE CONTRACTOR SHALL VERIFY THAT CONSTRUCTION LOADS DO NOT EXCEED THE CAPACITY OF THE STRUCTURE AT THE TIME THE LOADS ARE PLACED.

II. EXISTING CONSTRUCTION

A. WORK SHOWN IS NEW UNLESS OTHERWISE NOTED AS EXISTING, (E).

B. EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM EXISTING CONSTRUCTION DOCUMENTS ENTITLED "ADDITION NO 3 TO MT DIABLO ELEMENTARY SCHOOL" DATED JUNE 5, 1959, DSA APP#55128 AND PREPARED BY ASSOCIATED ARCHITECTS ANDERSON & SIMONDS, CONFER & WILLIS, REYNOLDS & CHAMBERLAIN AND DOCUMENTS ENTITLED "5 MULTI PURPOSE ROOM ADDITIONS MT DIABLO ELEMENTARY SCHOOL" DATED MARCH 22, 1991, DSA APP# 18781 AND PREPARED BY JERRY LOVING, ARCHITECT & ASSOCIATES INC. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS. REVIEW ALL AVAILABLE EXISTING DRAWINGS AND VERIFY DIMENSIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND SEOR OF ALL DISCREPANCIES AND EXCEPTIONS BEFORE PROCEEDING WITH THE WORK.

C. THE REMOVAL, CUTTING, DRILLING, ETC. OF EXISTING WORK SHALL BE PERFORMED WITH GREAT CARE AND SMALL TOOLS IN ORDER TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE BUILDING. IF EXISTING STRUCTURAL MEMBERS NOT INDICATED FOR REMOVAL INTERFERE WITH THE NEW WORK, THE SEOR SHALL BE NOTIFIED IMMEDIATELY. APPROVAL SHALL BE OBTAINED PRIOR TO REMOVAL OF THE EXISTING MEMBERS.

D. THE CONTRACTOR SHALL SAFELY SHORE EXISTING CONSTRUCTION WHEREVER EXISTING SUPPORTS ARE REMOVED TO ALLOW INSTALLATION OF THE NEW WORK. THE EXISTING CONSTRUCTION SHALL BE CONNECTED AND/OR EMBEDDED INTO THE NEW CONSTRUCTION AS SHOWN OR SPECIFIED.

E. ALL SHORING METHODS AND SEQUENCING OF DEMOLITION SHALL BE SPECIFIED BY A LICENSED CIVIL OR STRUCTURAL ENGINEERING IN THE STATE OF CALIFORNIA TO BE RETAINED BY THE CONTRACTOR. SEE SPECIFICATIONS FOR DETAILED REQUIREMENTS.

F. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES BEFORE BEGINNING WORK. SPECIAL CARE SHALL BE TAKEN TO PROTECT UTILITIES THAT ARE TO REMAIN IN SERVICE DURING CONSTRUCTION.

G. THE CONTRACTOR SHALL PROMPTLY REPAIR DAMAGE CAUSED DURING OPERATIONS WITH SIMILAR MATERIALS AND WORKMANSHIP.

H. THE CONTRACTOR SHALL LOCATE EXISTING REINFORCING STEEL WHERE EXISTING CONCRETE IS TO BE CUT, CORED OR SAWN. LOCATION SHALL BE DONE USING A NON-DESTRUCTIVE METHOD. DO NOT DAMAGE EXISTING REINFORCING WITHOUT NOTIFYING THE ARCHITECT AND SEOR.

J. ALL EXISTING CONCRETE SURFACES IN CONTACT WITH NEW CONCRETE SHALL BE INTENTIONALLY ROUGHENED TO ¼" AMPLITUDE WITH EXPOSED AGGREGATE.

III. BASIS OF DESIGN

A. THE STRUCTURAL DESIGN OF THIS PROJECT IS GOVERNED BY THE 2022 CALIFORNIA BUILDING CODE (CBC).

B. RISK CATEGORY = III

D. LIVE LOADS:
1. ROOF = 20 PSF

E. WIND DESIGN DATA:
1. BASIC WIND SPEED = 115 mph (3 SECOND GUST)
2. EXPOSURE CATEGORY = C

F. SEISMIC DESIGN DATA:
1. I = 1.25
2. S_{DS} = 1.786
3. Sa : 2.233 , S_1 : 0.659, S_{MS} : 2.68
4. SITE CLASS = D
5. SEISMIC DESIGN CATEGORY = D

IV. CONCRETE

A. MIXING, BATCHING, TRANSPORTING AND PLACING OF ALL CONCRETE SHALL CONFORM TO ACI 301, SPECIFICATION FOR STRUCTURAL CONCRETE FOR BUILDINGS.

B. ALL CONCRETE SHALL BE THOROUGHLY CONSOLIDATED.

C. THE SCHEDULE BELOW INDICATES THE MINIMUM CONCRETE DESIGN MIX REQUIREMENTS. SEE SPECIFICATIONS FOR ADDITIONAL CONCRETE PROPERTIES.

TYPE	LOCATION	MINIMUM 28-DAY STRENGTH (PSI)	MAXIMUM WEIGHT (PCF)
A	CONC PAD	3000	150
B	SLAB ON GRADE	3000	150

D. CONCRETE CLEAR COVER OVER MILD REINFORCING STEEL SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:
1. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH = 3 "
2. CONCRETE EXPOSED TO EARTH OR WEATHER:
   a. NO. 5 BARS AND SMALLER = 1-1/2"
   b. NO. 6 BARS AND LARGER = 2"
3. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
   a. SLABS, WALLS, JOISTS:
4. NO. 11 BARS AND SMALLER = 3/4"
5. NO. 14 BARS AND LARGER = 1-1/2"
   a. BEAMS, COLUMNS:
6. PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS = 1-1/2 "
   a. SHELLS, FOLDED PLATE MEMBERS:
7. NO. 5 BARS AND SMALLER = 1/2"
8. NO. 6 BARS AND LARGER = 3/4"

E. NON-SHRINK GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 6000 PSI AT 28 DAYS.

F. CONSTRUCTION JOINTS
1. NO HORIZONTAL CONSTRUCTION JOINTS ARE PERMITTED IN BEAMS, WALLS OR SLABS UNLESS APPROVED BY THE SEOR IN WRITING.
2. ALL CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH TYPICAL CONSTRUCTION JOINT DETAILS.
3. ALL CONSTRUCTION JOINT LOCATIONS SHALL BE COORDINATED AND CONSTRUCTED IN ACCORDANCE WITH ARCHITECTURAL FINISHES AND TREATMENTS.
4. ALL SURFACES OF CONSTRUCTION JOINTS SHALL BE CLEANED TO REMOVE DUST, CHIPS OR OTHER FOREIGN MATTER PRIOR TO PLACING ADJACENT CONCRETE.

V. REINFORCING STEEL

A. ALL REINFORCING BARS SHALL BE DEFORMED BARS CONFORMING TO THE REQUIREMENTS OF ASTM A615 AND ASTM A706 WHERE REQUIRED; ALL BARS TO BE GRADE 60 UNLESS OTHERWISE NOTED.

B. REINFORCING BARS TO BE WELDED SHALL BE ASTM A706.

C. WELDED WIRE REINFORCING SHALL BE ASTM A185.

D. WELDED BAR ANCHORS SHALL BE NELSON D2L DEFORMED BAR ANCHORS PER ICC-ES ESR-5217.

E. DETAIL REINFORCING STEEL BASED ON THE PROJECT REQUIREMENTS, ACI 318, AND ACI 315.

F. TERMINATION OF REINFORCEMENT:
1. TERMINATE ALL BARS IN LAPS, 90 DEGREE BENDS OR WITH DOWELS EPOXIED INTO EXISTING CONCRETE.
2. PROVIDE DOWELS INTO FOOTINGS BELOW AND SLABS ABOVE AT WALLS AND COLUMNS OF SAME SIZE AND SPACING AS VERTICAL REINFORCEMENT.

VI. WOOD

A. ALL WOOD FRAMING SHALL CONFORM TO NATIONAL DESIGN SPECIFICATIONS (NDS) FOR WOOD CONSTRUCTION AND APA PDS, PLYWOOD DESIGN SPECIFICATION.

B. ALL WOOD FRAMING SHALL BE DOUGLAS FIR LARCH, UNLESS OTHERWISE NOTED. GRADE SHALL BE AS FOLLOWS:
1. JOISTS = DF NO.1
2. WALL STUDS = DF NO.1
3. SILL PLATES = PRESSURE TREATED DF NO.1
4. POSTS = DF NO.1
5. BEAMS = DF NO.1
6. BLOCKING AND MISCELLANEOUS = DF NO.2

C. REJECTION OF WOOD MEMBERS: THE PROVISION IN DOC PS 20 (AS REFERENCED BY CBC 2303.1.1) WHICH PERMITS FIVE PERCENT OF THE MATERIAL TO FALL BELOW GRADE SHALL NOT BE CONSTRUED TO PERMIT BELOW-GRADE MATERIAL TO BE USED AS LOAD-CARRYING MEMBERS WHICH HAVE BEEN DESIGNED FOR SPECIFIC ALLOWABLE STRESSES AND ACCEPTABLE SAFETY FACTORS. MATERIALS WHICH FALL BELOW GRADE SHALL BE REJECTED FOR LOAD-CARRYING USE. WOOD MEMBERS WHICH ARE REQUIRED TO CARRY DESIGN LOADS AND WHICH THE PROJECT ARCHITECT, SEOR OR INSPECTOR JUDGE TO BE MISGRADED SHALL BE REINSPECTED BY A QUALIFIED LUMBER GRADING INSPECTOR TO VERIFY THE PROPER GRADING OF THE MATERIAL. WOOD MEMBERS WHICH HAVE PERMISSIBLE GRADE CHARACTERISTICS OR DEFECTS IN SUCH COMBINATION AS TO AFFECT THE SERVICEABILITY OF THE MEMBER SHALL BE REJECTED BY THE PROJECT INSPECTOR WITH THE CONCURRENCE OF THE ARCHITECT OR SEOR.

D. ALL LUMBER IN CONTACT WITH CONCRETE OR CONCRETE MASONRY 6 '-0" OR LESS ABOVE THE GROUND SHALL BE PRESSURE TREATED.

E. MAXIMUM MOISTURE CONTENT SHALL BE 15% AT TIME OF FRAMING FOR NEW WOOD MEMBERS ADJACENT TO EXISTING WOOD MEMBERS. ALL OTHER MEMBERS SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF FRAMING. REFER TO ARCHITECTURAL DRAWINGS, PROJECT SPECIFICATIONS AND CLADDING MANUFACTURERS' INFORMATION FOR MORE STRINGENT MOISTURE CONTENT REQUIREMENTS.

F. STRUCTURAL SHEATHING SHALL BE AS FOLLOWS (MIN THICKNESS AND MIN APA RATING):
1. ROOF SHEATHING: STRUCT.1 15/32" APA RATED SHEATHING 32/16", EXPOSURE 1, PS1-09, 5 PLY PLYWOOD
2. WALL SHEATHING: STRUCT.1 5/32" APA RATED SHEATHING, EXPOSURE 1, PS1-09, 5 PLY PLYWOOD.

G. UNLESS OTHERWISE NOTED, INSTALL ROOF SHEATHING WITH LONG DIRECTION PERPENDICULAR TO SUPPORTS AND WITH PANELS CONTINUOUS OVER TWO OR MORE SPANS.

H. WOOD CONNECTORS SHALL BE AS MANUFACTURED BY SIMPSON STRONG TIE OR EQUAL PRODUCT IF APPROVED BY SEOR. SIMPSON DESIGNATIONS USED IN THESE DRAWINGS.

I. NAILS SHALL BE COMMON WIRE GAGE, UNLESS OTHERWISE NOTED AND CONFORM TO CBC TABLE 2304.10.1.

J. LAG BOLTS AND UNFINISHED MACHINE BOLTS SHALL CONFORM TO ASTM A307. PROVIDE WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD.

K. ANCHOR RODS SHALL CONFORM TO ASTM F1554 GR 36.

L. FASTENERS INSTALLED IN PRESSURE TREATED OR FIRE RETARDANT TREATED WOOD SHALL BE GALVANIZED.

M. PROVIDE LATERAL SUPPORT FOR BEAMS, JOISTS, AND RAFTERS PER CBC SECTION 2308.4.6.

VII. POST-INSTALLED ANCHORS

A. POST-INSTALLED ANCHORS INCLUDE EXPANSION ANCHORS, EPOXY ANCHORS AND REINFORCING STEEL DOWELS, SCREW ANCHORS AND POWDER-ACTUATED FASTENERS. AS DETAILED IN THE DRAWINGS.

B. DO NOT DAMAGE OR CUT EXISTING REINFORCING STEEL WHILE INSTALLING POST-INSTALLED ANCHORS. NOTIFY SEOR IF EXISTING REINFORCING STEEL INTERFERES WITH INSTALLATION OF POST-INSTALLED ANCHORS.

C. ALL MIS-DRILLED OR UNACCEPTABLE HOLES SHALL NOT BE USED AND SHALL BE GROUTED SOLID.

D. ALL POST-INSTALLED ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE ICC-ES REPORT AND MANUFACTURER'S RECOMMENDATIONS.

E. PROVIDE SPECIAL INSPECTION FOR THE INSTALLATION OF ALL POST-INSTALLED ANCHORS, UNLESS OTHERWISE NOTED.

F. FIELD TEST POST-INSTALLED ANCHORS, UNLESS OTHERWISE NOTED. FIELD TESTING SHALL BE IN COMPLIANCE WITH THE FOLLOWING:
1. 10% OF POST-INSTALLED ANCHORS USED FOR SILL PLATE BOLTING SHALL BE TESTED; 100% OF ALL OTHER POST-INSTALLED ANCHORS USED FOR STRUTURAL APPLICATIONS SHALL BE TESTED.
2. 50% OF POST-INSTALLED ANCHORS USED FOR NON-STRUCTURAL APPLICATIONS SHALL BE TESTED, INCLUDING ONE HALF OF ALL ANCHORS IN EACH GROUP.
   a. IF ANY ANCHOR FAILS TESTING, ALL ANCHORS OF THE SAME TYPE THAT ARE UNTESTED SHALL BE TESTED UNTIL 20 CONSECUTIVE ANCHORS PASS.
   b. NO TESTING REQUIRED FOR POWDER-ACTUATED FASTENERS USED TO ATTACH TRACKS OF INTERIOR, NON-STRUCTURAL PARTITION WALLS WHERE THERE ARE AT LEAST THREE FASTENERS PER PIECE OF TRACK.
3. NO TESTING REQUIRED OF REINFORCING STEEL DOWELS ACROSS COLD JOINTS IN CONCRETE SLABS ON GRADE.
4. TORQUE TESTING MAY BE USED FOR TORQUE CONTROLLED POST-INSTALLED ANCHORS; TENSION TEST ALL OTHER POST-INSTALLED ANCHORS.
5. TORQUE TESTING SHALL BE IN ACCORDANCE WITH CBC SECTION 1910A.5.5.2.
6. TENSION TESTING SHALL BE IN ACCORDANCE WITH CBC SECTION 1910A.5.5.1.
7. ALL FIELD TESTING SHALL BE DONE UNDER THE OBSERVATION OF THE PROJECT INSPECTOR.
8. TESTING SHALL OCCUR AT LEAST 24 HOURS AFTER THE ANCHOR HAS BEEN INSTALLED.

G. EPOXY ANCHORS AND REINFORCING STEEL DOWELS
1. FOR INSTALLATION IN CONCRETE, EPOXY SHALL BE ONE OF THE FOLLOWING:
   a. SET-XP PER ICC-ES ESR-2508 AS MANUFACTURED BY SIMPSON STRONG TIE
   b. HIT-RE V3 PER ICC-ES ESR-3814 AS MANUFACTURED BY HILTI, INC.
   c. HY-200 PER ICC-ES ESR-3187 AS MANUFACTURED BY HILTI, INC.
2. EPOXIED ANCHOR RODS SHALL BE CARBON STEEL THREADED RODS PER APPROPRIATE ICC-ES REPORT; EPOXIED REINFORCING STEEL DOWELS SHALL BE ASTM A615 GR 60 UNLESS OTHERWISE NOTED. MINIMUM ANCHOR EMBEDMENT AND TENSION TEST VALUES ARE AS FOLLOWS:

EPOXY ANCHORS IN NORMAL-WEIGHT CONCRETE (f'c = 3000 PSI MIN)				
REBAR SIZE	EMBED (IN)	TENSION TEST VALUE (LBS)		
		HY-200	HIT-RE 500-V3	SET-XP
#3	3	2900	2750	1050
#4	4	5180	4940	3760
#5	5	8130	7870	5270
#6	6	11120	11120	6780

EPOXY ANCHORS IN NORMAL-WEIGHT CONCRETE (f'c = 3000 PSI MIN)				
THREADED ROD DIAMETER (IN)	EMBED (IN)	TENSION TEST VALUE (LBS)		
		HY-200	HIT-RE 500 V3	SET-XP
3/8	3	3360	3510	3620
1/2	4	6010	6150	5690
5/8	5	9440	9330	7640
3/4	6	7120	12860	9770
7/8	7	15750	13620	12250
1	8	20670	16440	15430
1 1/4	10	32500	22060	24100

ANCHORS SHALL NOT BE INSTALLED INTO CONCRETE THAT IS LESS THAN 21 DAYS OLD.

H. EXPANSION ANCHORS
1. FOR INSTALLATION IN CONCRETE, EXPANSION ANCHORS SHALL BE ONE OF THE FOLLOWING:
   a. STRONG BOLT 2 PER ICC-ES ESR-3037 AS MANUFACTURED BY SIMPSON STRONG TIE.
   b. KWIK BOLT TZ2 PER ICC-ES ESR-4266 AS MANUFACTURED BY HILTI, INC.
2. USE STAINLESS STEEL AT EXTERIOR, WEATHER-EXPOSED OR DAMP LOCATIONS; CARBON STEEL EXPANSION ANCHORS MAY BE USED AT ALL OTHER LOCATION, UNLESS OTHERWISE NOTED.
3. MINIMUM ANCHOR EMBEDMENT AND TORQUE TEST VALUES ARE AS FOLLOWS:

KWIK BOLT TZ2 IN NORMAL WEIGHT CONCRETE (f'c = 3000 PSI MIN)				
ANCHOR DIAMETER	EMBED (IN)	MINIMUM HOLE	TORQUE TEST VALUES (FT-LBS)	
(IN)		DEPTH (IN)	CARBON STEEL	STAINLESS STEEL
3/8	2 5/16	2 5/8	30	30
1/2	2 3/8	2 5/8	50	40
5/8	4 1/16	4 3/4	40	60
3/4	5 9/16	5 3/4	110	125

STRONG BOLT 2 IN NORMAL WEIGHT CONCRETE (f'c = 3000 PSI MIN)				
ANCHOR DIAMETER	EMBED (IN)	MINIMUM HOLE	TORQUE TEST VALUES (FT-LBS)	
(IN)		DEPTH (IN)	CARBON STEEL	STAINLESS STEEL
3/8	1 7/8	2	30	30
1/2	2 3/4	3	60	65
5/8	5 3/8	5 3/8	90	80
3/4	5 1/4	6	125	150

4. WHERE EXPANSION ANCHORS ARE INSTALLED IN CONTACT WITH WOOD FRAMING. PROVIDE AN OVERSIZE WASHER IN ORDER TO ACHIEVE TORQUE REQUIRED BY ICC-ES REPORT. USE 1/4"x3"x3" WASHER, MINIMUM.
5. CONTRACTOR SHALL PROVIDE ANCHORS WITH SUFFICIENT TOTAL LENGTH FOR THE SPECIFIED EMBEDMENT LENGTH, THICKNESS OF FASTENED PART, WASHER AND NUT.

I. SCREW ANCHORS
1. FOR INSTALLATION IN CONCRETE, SCREW ANCHORS SHALL BE ONE OF THE FOLLOWING:
   a. TITEN HD PER ICC-ES ESR-2713 AS MANUFACTURED BY SIMPSON STRONG TIE.
   b. KWIK HUS-EZ PER ICC-ES ESR-3027 AS MANUFACTURED BY HILTI, INC.
2. MINIMUM ANCHOR EMBEDMENT AND TENSION TEST VALUES ARE AS FOLLOWS:

TITEN HD IN NORMAL WEIGHT CONCRETE (f'c = 3000 PSI MIN)			
ANCHOR DIAMETER	EMBED (IN)	MINIMUM HOLE	TENSION TEST
(IN)		DEPTH (IN)	VALUE (LBS)
3/8	2 1/2	3	1200
1/2	3 1/4	3 3/4	2973
5/8	4	4 1/2	3935
3/4	5 1/2	6	5895

KWIK HUS-EZ IN NORMAL WEIGHT CONCRETE (f'c = 3000 PSI MIN)			
ANCHOR DIAMETER	EMBED (IN)	MINIMUM HOLE	TENSION TEST
(IN)		DEPTH (IN)	VALUE (LBS)
1/4	2 1/2	2 7/8	1133
3/8	2 1/2	2 3/4	2093
1/2	2 1/4	2 5/8	2547
5/8	3 1/4	3 5/8	3049
3/4	4	4 3/8	4118

J. POWDER-ACTUATED FASTENERS
1. PAF SHALL BE ONE OF THE FOLLOWING:
   a. SIMPSON STRONG TIE POWDER-ACTUATED FASTENERS PER ICC-ES ESR-2138 FOR ANCHORAGE OF METAL TO CONCRETE, MASONRY OR STEEL.
   b. HILTI, INC. X-U PER ICC-ES ESR-2269 FOR ANCHORAGE OF METAL TO CONCRETE, MASONRY OR STEEL
   c. HILTI, INC. X-CP 72 PER ICC-ES ESR-2379 FOR ANCHORAGE OF SILL PLATES TO CONCRETE
   d. DEWALT POWDER-ACTUATED FASTENERS PER ICC-ES ESR-2024 FOR ANCHORAGE OF METAL TO CONCRETE, MASONRY OR STEEL AND ANCHORAGE OF WOOD SILLS TO CONCRETE.
2. PROVIDE 0.08"x1.1"x1.1" SQUARE OR 0.08"x1.425" DIAMETER ROUND WASHER AT EACH PAF.
3. MINIMUM PAF EMBED INTO CONCRETE SHALL BE 1", UNLESS OTHERWISE NOTED.
4. MINIMUM PAF EMBED INTO STEEL SHALL BE PER MANUFACTURER.

VIII. SUBMITTALS AND DEFERRED APPROVALS

A. THE CONTRACTOR SHALL REVIEW EACH SUBMITTAL PRIOR TO SENDING TO THE ARCHITECT AND SEOR. SUBMITTALS WILL ONLY BE REVIEWED IF THEY ARE BASED ON THE LATEST DESIGN, IF THEY ADDRESS ANY COMMENTS FROM PREVIOUS VERSIONS OF THE SUBMITTAL, IF THE WORK IS COORDINATED WITH ALL OTHER TRADES, AND IF THE SUBMITTAL DOES NOT INCLUDE SUBSTITUTION REQUESTS. SUBMITTALS NOT MEETING THESE REQUIREMENTS WILL BE RETURNED TO THE CONTRACTOR WITHOUT COMMENT.

B. THE SEOR'S REVIEW OF EACH SUBMITTAL SHALL BE FOR GENERAL CONFORMANCE WITH THE DESIGN INTENT.

C. NO WORK SHALL PROCEED PRIOR TO THE SEOR 'S AND ARCHITECT'S APPROVAL OF THE SUBMITTAL.

D. THE FOLLOWING ITEMS REQUIRE A SUBMITTAL FOR STRUCTURAL REVIEW. SEE THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
1. REINFORCING STEEL SHOP DRAWINGS
2. CONCRETE MIX DESIGNS

IX. TESTING AND INSPECTION

A. SPECIAL INSPECTIONS SHALL BE PERFORMED BY A SPECIAL INSPECTOR PER CBC SECTIONS 1704A AND 1705A. THE SPECIAL INSPECTOR SHALL BE RETAINED BY THE OWNER AND NOT BY THE CONTRACTOR.

B. EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN SEISMIC FORCE RESISTING SYSTEM SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY PER CBC SECTION 1704A.4 TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK FOR THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:
1. ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS.
2. ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
3. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR 'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF REPORTS.
4. IDENTIFICATION AND QUALIFICATION OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

C. SEE PROJECT DSA 103 FORM FOR THE WORK REQUIRES STRUCTURAL TESTS AND SPECIAL INSPECTIONS. FOR SPECIFIC REQUIREMENTS OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS, SEE THE SPECIFICATIONS AND GENERAL NOTES.

AGENCY APPROVAL DSA#

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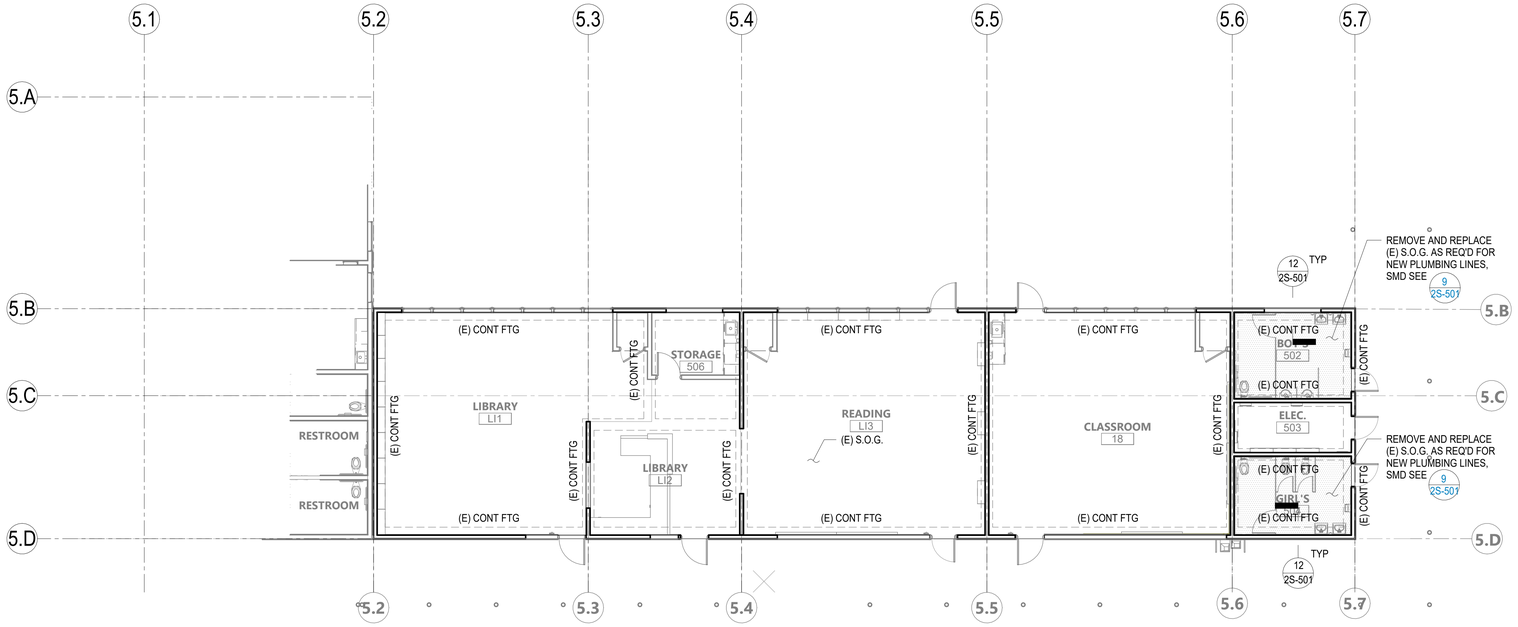

1 FOUNDATION PLAN BUILDING 5

1/8" = 1'-0"

SHEET NOTES:

1. SEE GENERAL NOTES ON SHEET 2S-100.
2. SEE TYPICAL CONCRETE DETAILS ON SHEETS 2S-501.
3. REMOVE & REPLACE (E) S.O.G. AS REQUIRED, SEE SHEET 2S-501. COORDINATE WITH ARCH AND M/E/P DWGS.
4. SEE TYPICAL FRAMING DETAILS ON SHEETS 2S-800 AND 2S-801.
5. COORDINATE LOCATION OF MECHANICAL UNITS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. SMD FOR ANCHORAGE REQUIREMENTS.

AGENCY APPROVAL DSA#

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GOHAN AKALAN
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STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION
1		FOR PLAN CHECK ONLY, PER DSA IR_A-19

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PROJECT OWNER & TITLE

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MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

FOUNDATION PLAN BUILDING 5

INCREMENT: 2

DRAWN BY: SN JOB NUMBER: 23120.01

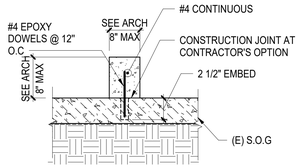
SHEET NO.

2S-201

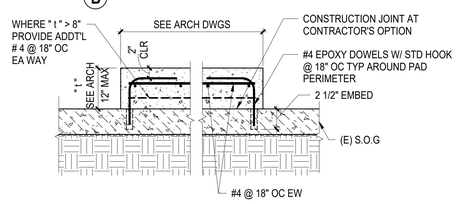
DATE: JULY 15, 2024

CONSTRUCTION DOCUMENTS 100%

DATE PLOTTED: 10/10/2024 6:33:33 PM FILE LOCATION: X:\Shared\Projects\2023\23163 - Mt Diablo ES Modernization\Drawings\Structural\Increment 2\23163 - Mt Diablo ES Modernization - R24.rvt



B CURB AT SLAB-ON-GRADE



A HOUSEKEEPING PAD

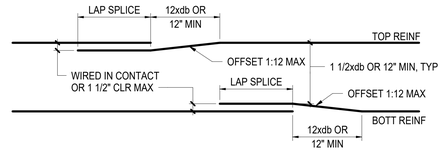
CONCRETE STRENGTH		3000 PSI			
REINFORCING CONFIGURATION		CASE 1		CASE 2	
BAR LOCATION / BAR SIZE		TOP	OTHER	TOP	OTHER
"CLASS A LAP SPLICE AND STRAIGHT DEVELOPMENT LENGTH, Ld (INCHES)"	#3	22	17	32	25
	#4	29	22	43	33
	#5	36	28	54	41
	#6	43	33	64	50
	#7	63	48	94	72
	#8	72	55	107	82
CLASS B LAP SPLICE (INCHES)	#3	28	22	42	32
	#4	37	29	56	43
	#5	47	36	70	54
	#6	56	43	84	64
	#7	81	63	122	94
	#8	93	72	139	107

NOTES:
1. VALUES IN THE TABLE ARE FOR NON-EPOXY COATED GRADE 60 REINFORCING STEEL AND NORMAL WEIGHT CONCRETE.
2. CASES 1 AND 2 ARE DEPENDENT ON THE TYPE OF CONCRETE ELEMENT, CONCRETE COVER AND CENTER-TO-CENTER SPACING OD REINFORCING BARS. THEY ARE DEFINED AS:
   CASE 1:
   BEAM AND COLUMNS:
   - CONCRETE COVER >= db
   - CENTER-TO-CENTER SPACING >= 2x db, AND
   - STIRRUPS OR TIES PROVIDED THROUGHTOUT ld

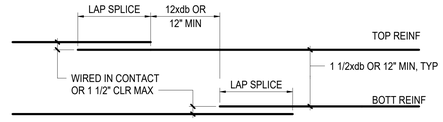
   OTHER ELEMENTS:
   - CONCRETE COVER >= db AND
   - CENTER-TO-CENTER SPACING >= 3x db

   CASE 2:
   BEAM AND COLUMNS:
   - CONCRETE COVER < db
   - CENTER-TO-CENTER SPACING < 2x db

   OTHER ELEMENTS:
   - CONCRETE COVER < db AND
   - CENTER-TO-CENTER SPACING < 2x db
3. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 " OF FRESH CONCRETE BELOW. OTHER BAR INCLUDE ALL VERTICAL REINFORCING, ALL HORIZONTAL WALL REINFORCING AND HORIZONTAL REINFORCING WITH LESS THAN 12 " OF FRESH CONCRETE BELOW BAR.
4. PROVIDE CLASS B LAP SPLICES, U.O.N.
5. FOR LIGHTWEIGHT CONCRETE, MULTIPLY THE VALUES IN THIS TABLE BY 1.3.
6. WHERE ld IS NOT OBTAINABLE DUE TO SPACE RETRICTIONS, PROVIDE A STANDARD HOOK PER DETAIL (2/-)
7. FOR EPOXY-COATED BARS, MULTIPLY THE VALUE IN THIS TABLE BY 1.5.
8. SPLICES OF HORIZONTAL REINFORCING BARS IN WALLS AND SLABS SHALL BE STAGGERED. SPLICES OF HORIZONTAL REINFORCING BARS IN WALLS AND SLABS CONTAINING TWO CURTAINS OF REINFORCEMENT SHALL NOT OCCUR IN THE SAME LOCATION; SPLICES SHALL BE OFFSET BY THE MAXIMUM OF 12 INCHES AND 12 BAR DIAMETERS.



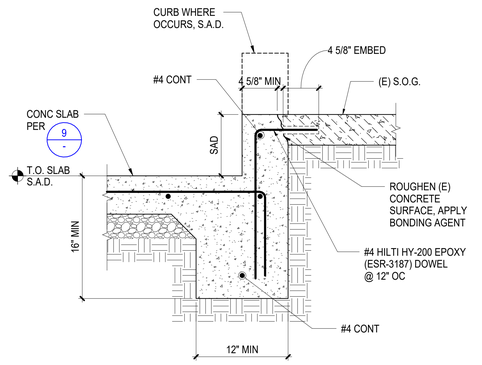
a BEAM SPLICE DETAIL



b STRAGGERED WALL OR SLAB SPLICE DETAIL

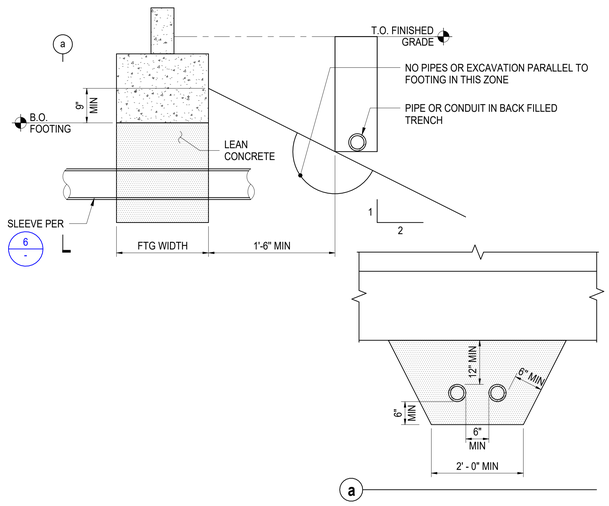
10 CURBS AND HOUSEKEEPING PADS AT (E) S.O.G

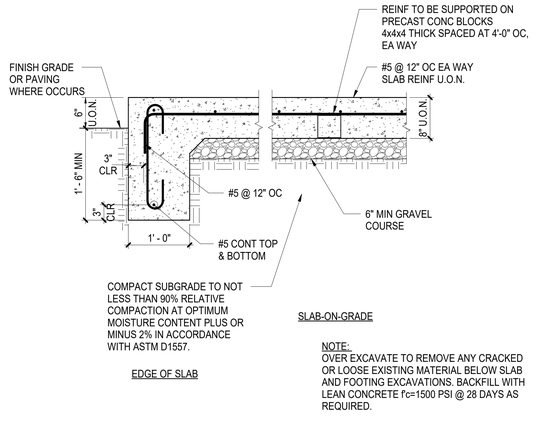
NTS



7 LAP SPLICE + STRAIGHT BAR DEVELOPMENT LENGTHS

NTS



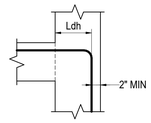


SLAB-ON-GRADE

NOTE:
OVER EXCAVATE TO REMOVE ANY CRACKED OR LOOSE EXISTING MATERIAL BELOW SLAB AND FOOTING EXCAVATIONS. BACKFILL WITH LEAN CONCRETE f'c=1500 PSI @ 28 DAYS AS REQUIRED.

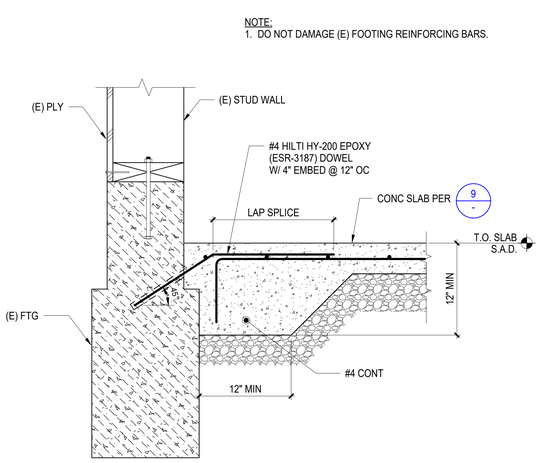
HOOKED BAR DEVELOPMENT LENGTH, Ldh			
BAR SIZE	CONCRETE STRENGTH		
	3000 PSI	4000 PSI	5000 PSI
#3	0' - 8"	0' - 7"	0' - 6"
#4	0' - 11"	0' - 9"	0' - 9"
#5	1' - 2"	1' - 0"	0' - 11"
#6	1' - 4"	1' - 2"	1' - 1"
#7	1' - 7"	1' - 5"	1' - 3"
#8	1' - 10"	1' - 7"	1' - 5"

NOTES:
1. THE HOOKED BAR DEVELOPMENT LENGTHS IN THIS TABLE ARE FOR NORMALWEIGHT CONCRETE. FOR LIGHTWEIGHT CONCRETE, THE HOOKED BAR DEVELOPMENT LENGTH SHALL NOT BE LESS THEN 10xdb, 7 ½" AND 1.3xLdh PER THE TABLE ABOVE.
2. THE HOOKED BAR DEVELOPMENT LENGTHS IN THIS TABLE APPLY TO MEMBERS WITH:
   a. SIDE COVER EQUAL TO AT LEAST 2 ½".
   b. END COVER EQUAL TO AT LEAST 2".



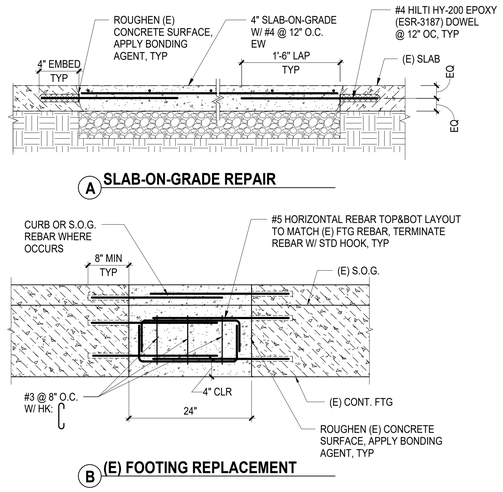
11 DEPRESSED SLAB DETAIL

1 1/2" = 1'-0"



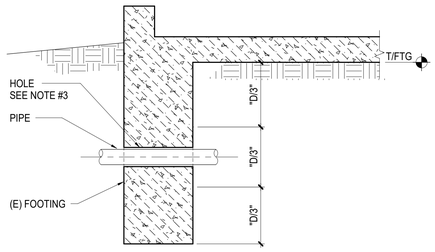
8 TYPICAL EXCAVATION PARALLEL TO FTG

NTS



5 HOUSEKEEPING PAD DETAIL

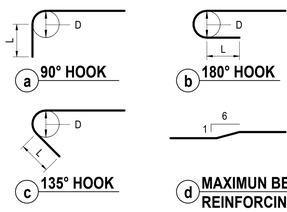
NTS



NOTES:
1. PRIOR TO DRILLING FOR HOLE, LOCATE (E) REINFORCING. DO NOT CUT (E) REINFORCING AND MAINTAIN 1 1/2" CLR AROUND HOLE.
2. MAXIMUM PIPE SIZE 6" DIA UNLESS OTHERWISE NOTED.
3. PROVIDE 1" MINIMUM GAP BETWEEN PIPE AND HOLE ALL AROUND PIPE.
4. LOCATE PIPE WITHIN MIDDLE 1/3 OF (E) FOOTING DEPTH.
5. MINIMUM CLEAR DISTANCE BETWEEN SLEEVES SHALL BE 4x LARGEST SLEEVE DIAMETER.
6. CAULK SEAL GAP AT SLEEVE-TO-PIPE/CONDUIT INTERFACE ON EXTERIOR SIDE OF FOOTING.

2 HOOKED BAR DEVELOPMENT LENGTHS

NTS



MAIN REINFORCING HOOKS			
BAR SIZE	BEND DIAMETER, D (IN)	90° HOOK L (IN)	180° HOOK L (IN)
#3	2 1/4	4 1/2	2 1/2
#4	3	6	2 1/2
#5	3 3/4	7 1/2	2 1/2
#6	4 1/2	9	3
#7	5 1/4	10 1/2	3 1/2
#8	6	12	4

STIRRUP + TIE REINFORCING HOOKS			
BAR SIZE	BEND DIAMETER, D (IN)	90° HOOK L (IN)	180° HOOK L (IN)
#3	1 1/2	3	3
#4	2	3	3
#5	2 1/2	3 3/4	3 3/4

12 SECTION AT EXISTING FOOTING

1 1/2" = 1'-0"

9 TYPICAL (E) CONCRETE REPAIR/REPLACEMENT

NTS

6 PIPE PENETRATION THRU (E) FOOTING

1" = 1'-0"

3 TYPICAL BAR HOOKS

NTS

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SHEET TITLE
TYPICAL CONCRETE DETAILS

INCREMENT: 2

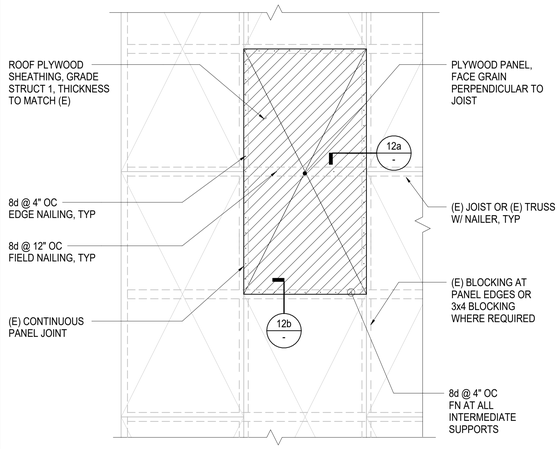
DRAWN BY: SN JOB NUMBER: 23120.01

SHEET NO.
2S-501

DATE: JULY 15, 2024

CONSTRUCTION DOCUMENTS 100%

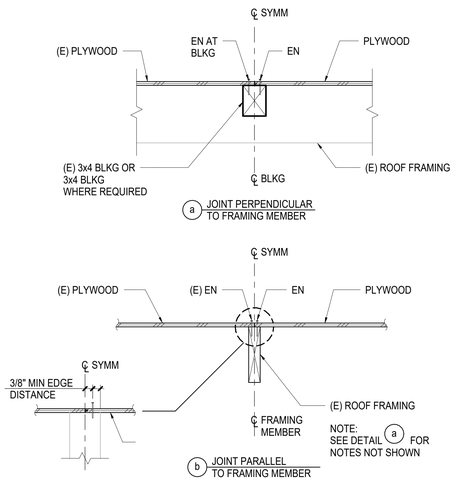
DATE PLOTTED: 10/10/2024 6:33:34 PM FILE LOCATION: X:\Shared\Projects\2023\23163 - Mt Diablo ES Modernization\Drawings\Structural\Increment 2\23163 - Mt Diablo ES Modernization_Increment 2_S501 - TYPICAL CONCRETE DETAILS.rvt



NOTES:
1. FOR 8d NAILS, PROVIDE 1 3/8 MIN PENETRATION INTO FRAMING.
2. REPLACE DAMAGED SHEET FULLY.

11 PLYWOOD SHEATHING AT ROOF

NTS



12 PLYWOOD NAILING

NTS

FASTENING SCHEDULE

DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION
ROOF		
1. Blocking between ceiling joists, rafters or trusses to top plate or other framing below	3-8d common (2 1/2" × 0.131"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Each end, toenail
Blocking between rafters or truss not at the wall top plate, to rafter or truss	2-8d common (2 1/2" × 0.131") 2-3" × 0.131" nails 2-3" 14 gage staples	Each end, toenail
	2-16 d common (3 1/2" × 0.162") 3-3" × 0.131" nails 3-3" 14 gage staples	End nail
Flat blocking to truss and web filler	16d common (3 1/2" × 0.162") @ 6" o.c. 3" × 0.131" nails @ 6" o.c. 3" × 14 gage staples @ 6" o.c	Face nail
2. Ceiling joists to top plate	3-8d common (2 1/2" × 0.131"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Each joist, toenail
3. Ceiling joist not attached to parallel rafter, laps over partitions (no thrust)	3-16d common (3 1/2" x 0.163") 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Face nail
4. Ceiling joist attached to parallel rafter (heel joint)	Per Table 2308.7.3.1	Face nail
5. Collar tie to rafter	3-10d common (3" × 0.148"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Face nail
6. Rafter or roof truss to top plate	3-10 common (3" × 0.148"); or 3-16d box (3 1/2" × 0.135"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131 nails; or 4-3" 14 gage staples, 7/16" crown	Toenail[c]
7. Roof rafters to ridge valley or hip rafters; or roof rafter to 2-inch ridge beam	2-16d common (3 1/2" × 0.162"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3"14 gage staples, 7/16" crown; or	End nail
	3-10d common (3 1/2" × 0.148"); or 4-16d box (3 1/2" × 0.135"); or 4-10d box (3" × 0.128"), or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Toenail
WALL		
8. Stud to stud (not at braced wall panels)	16d common (3 1/2" × 0.162");	24" o.c. face nail
	10d box (3" × 0.128"); or 3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	16" o.c. face nail
9. Stud to stud and abutting studs at intersecting wall corners (at braced wall panels)	16d common (3 1/2" × 0.162"); or	16" o.c. face nail
	16d box (3 1/2" × 0.135"); or	12" o.c. face nail
	3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	12" o.c. face nail
10. Built-up header (2" to 2" header)	16d common (3 1/2" × 0.162"); or	16" o.c. each edge, face nail
	16d box (3 1/2" × 0.135")	12" o.c. each edge, face nail
11. Continuous header to stud	4-8d common (2 1/2" × 0.131"); or 4-10d box (3" × 0.128")	Toenail
12. Top plate to top plate	16d common (3 1/2" × 0.162"); or	16" o.c. face nail
	10d box (3" × 0.128"); or 3" × 0.131" nails; or 3" 14 gage staples, 7/16" crown	12" o.c. face nail
13. Top plate to top plate, at end joints	8-16d common (3 1/2" × 0.162"); or 12-10d box (3" × 0.128"); or 12-3" × 0.131" nails; or 12-3" 14 gage staples, 7/16" crown	Each side of end joint, face nail (minimum 24" lap splice length each side of end joint)
14. Bottom plate to joist, rim joist, band joist or blocking (not at braced wall panels)	16d common (3 1/2"x0.163"); or	16" o.c. face nail
	16d box (3 1/2" × 0.135"); or 3" × 0.131" nails; or 3" 14 gage staples, 7/16" crown	12" o.c. face nail
15. Bottom plate to joist, rim joist, band joist or blocking at braced wall panels	2-16d common (3 1/2 " × 0.162"); or 3-16d box (3 1/2" × 0.135"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	16" o.c. face nail
16. Stud to top or bottom plate	4-8d common (2 1/2" × 0.131"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown; or	Toenail
	2-16d common (3 1/2" × 0.162"); or 3-10d box (3" × 0.128"); or 3-3" 14 gage staples, 7/16" crown	End nail
17. Top plates, laps at corners and intersections	2-16d common (3 1/2" × 0.162"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Face nail
18. 1" brace to each stud and plate	2-8d common (2 1/2" × 0.131"); or 2-10d box (3" × 0.128"); or 2-3" × 0.131" nails; or 2-3" 14 gage staples, 7/16" crown	Face nail
19. 1" × 6" sheathing to each bearing	2-8d common (2 1/2" × 0.131"); or 2-10d box (3" × 0.128")	Face nail
20. 1" × 8" and wider sheathing to each bearing	3-8d common (2 1/2" × 0.131"); or 3-10d box (3" × 0.128")	Face nail

FASTENING SCHEDULE (CONT.)

DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION
FLOOR		
21. Joist to sill, top plate, or girder	3-8d common (2 1/2" × 0.131"); or floor 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Toenail
22. Rim joist, band joist, or blocking to top plate, sill or other framing below	8d common (2 1/2" × 0.131"); or floor 10d box (3" × 0.128"); or 3" × 0.131" nails; or 3" 14 gage staples, 7/16" crown	6" o.c., toenail
23. 1" × 6" subfloor or less to each joist	2-8d common (2 1/2" × 0.131"); or 2-10d box (3" × 0.128")	Face nail
24. 2" subfloor to joist or girder	2-16d common (3 1/2" × 0.162")	Face nail
25. 2" planks (plank & beam – floor & roof)	2-16d common (3 1/2" × 0.162")	Each bearing, face nail
26. Built-up girders and beams, 2" lumber layers	20d common (4" × 0.192")	32" o.c., face nail at top and bottom staggered on opposite sides
	10d box (3" × 0.128"); or 3" × 0.131" nails; or 3" 14 gage staples, 7/16" crown	24" o.c. face nail at top and bottom staggered on opposite sides
	And: 2-20d common (4" × 0.192"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Ends and at each splice, face nail
27. Ledger strip supporting joists or rafters	3-16d common (3 1/2" × 0.162"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Each joist or rafter, face nail
28. Joist to band joist or rim joist	3-16d common (3 1/2" × 0.162"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	End nail
29. Bridging or blocking to joist, rafter or truss	2-8d common (2 1/2" × 0.131"); or 2-10d box (3" × 0.128"); or 2-3" × 0.131" nails; or 2-3" 14 gage staples, 7/16" crown	Each end, toenail
Wood structural panels (WSP), subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framing		
		Edges (inches) / **Intermediate supports (inches)**
30. 3/8" – 1/2"	6d common or deformed (2" × 0.113") (subfloor and wall)	6 / 12
	8d common or deformed (2 1/2" × 0.113") (roof)	6 / 12
	2 3/8" × 0.113" nail (subfloor and wall)	6 / 12
	1 3/4" 16 gage staple, 7/16" crown (subfloor and wall)	4 / 8
	2 3/8" × 0.113" nail (roof)	4 / 8
	1 3/4" 16 gage staple, 7/16" crown (roof)	3 / 6
31. 19/32" – 3/4"	8d common (2 1/2" × 0.131"); or 6d deformed (2" × 0.113") (subfloor and wall)	6 / 12
	8d common or deformed 2 1/2" x 0.131"); (roof) or RSRS-01 (2 3/8" x 0.113") nail (roof)[d]	6 / 12
	2 3/8" × 0.113" nail; or 2" 16 gage staple, 7/16" crown	4 / 8
32. 7/8" – 1 1/4"	10d common (3" × 0.148"); or 8d deformed (2 1/2" × 0.131")	6 / 12
Other exterior wall sheathing		
33. 1/2" fiberboard sheathing[b]	1 1/2" galvanized roofing nail (7/16" head diameter); or 1 1/4" 16 gage staple with 7/16" or 1" crown	3 / 6
34. 25/32" fiberboard sheathing[b]	1 3/4" galvanized roofing nail (7/16" diameter head); or 1 1/2" 16 gage staple with 7/16" or 1" crown	3 / 6
Wood structural panels, combination subfloor underlayment to framing		
35. 3/4" and less	8d common (2 1/2" × 0.131"); or 6d deformed (2" × 0.113")	6 / 12
36. 7/8" – 1"	8d common (2 1/2" × 0.131"); or 8d deformed (2 1/2" × 0.131")	6 / 12
37. 1 1/8" – 1 1/4"	10d common (3" × 0.148"); or 8d deformed (2 1/2" × 0.131")	6 / 12
Panel siding to framing		
38. 1/2" or less	6d corrosion-resistant siding (1 7/8" × 0.106"); or 6d corrosion-resistant casing (2" × 0.099")	6 / 12
39. 5/8"	8d corrosion-resistant siding (2 3/8" × 0.128"); or 8d corrosion-resistant casing (2 1/2 " × 0.113")	6 / 12
Wood structural panels (WSP), subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framing [a]		
		Edges (inches) / **Intermediate supports (inches)**
40. 1/4 "	4d casing (1 1/2" × 0.080"); or 4d finish (1 1/2" × 0.072")	6 / 12
41. 3/8 "	6d casing (2" × 0.099"); or 6d finish (Panel supports at 24 inches)	6 / 12

For SI: 1 inch = 25.4 mm.

a. Nails spaced at 6 inches at intermediate supports where spans are 48 inches or more. Nails for wall sheathing are permitted to be common, box or casing.
b. Spacing shall be 6 inches on center on the edges and 12 inches on center at intermediate supports for nonstructural applications. Panel supports at 16 inches (20 inches if strength axis in the long direction of the panel, unless otherwise marked).
c. Where a rafter is fastened to an adjacent parallel ceiling joist in accordance with this schedule and the ceiling joist is fastened to the top plate in accordance with this schedule, the number of toenails in the rafter shall be permitted to be reduced by one nail.
d. RSRS-01 is a Roof Sheathing Ring Shank nail meeting the specifications in ASTM F1667.

9 NAILING SCHEDULE

NTS

AGENCY APPROVAL DSA#

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PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER GOKHAN AKALAN NO. 5594 STATE OF CALIFORNIA

REVISIONS

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MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
NAILING SCHEDULE

INCREMENT: 2

DRAWN BY: SN JOB NUMBER: 23120.01

SHEET NO.
2S-800

DATE: JULY 15, 2024

CONSTRUCTION DOCUMENTS 100%

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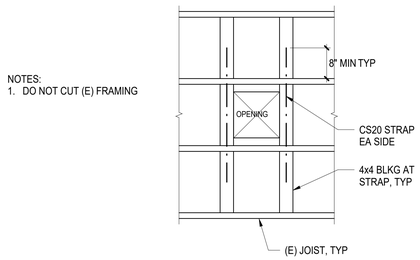
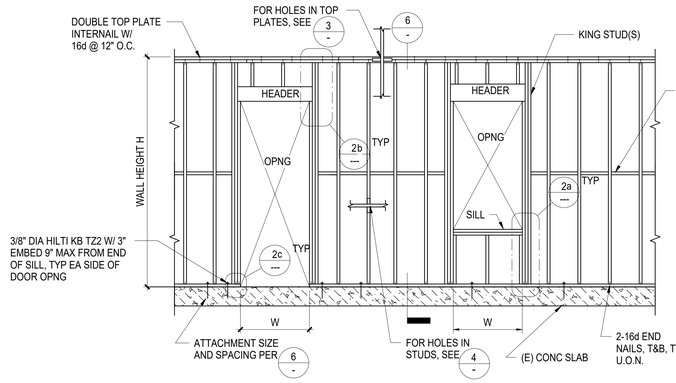


14 SMALL OPENING IN DIAPHRAGM (21"x21" MAX)

NTS



NON-BEARING WALL STUD SCHEDULE		
WALL HEIGHT	STUD SIZE	SPACING
H < 14'-0"	2x6 2x4	16"

b

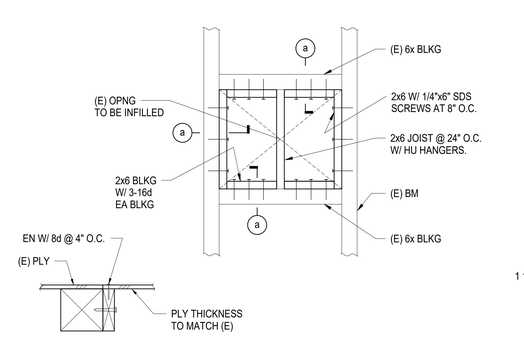
NON-BEARING WALL SCHEDULE AT OPENINGS				
OPENING WIDTH	KING STUD(S)	HEADER DEPTH	BEARING STUD(S)	SILL
W< 6'-0"	2x	6x	1-2x	2-2x

a

NOTE:
STUD, SILL, AND HEADER WIDTHS TO MATCH WALL FRAMING SIZE.

5 TYPICAL INTERIOR NON-BEARING WALL FRAMING

NTS



a PARTITION PARALLEL TO JOIST

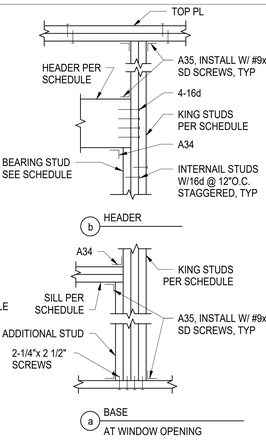
b PARTITION PERPENDICULAR TO JOIST

6 NON-BEARING WALL PARTITION

NTS



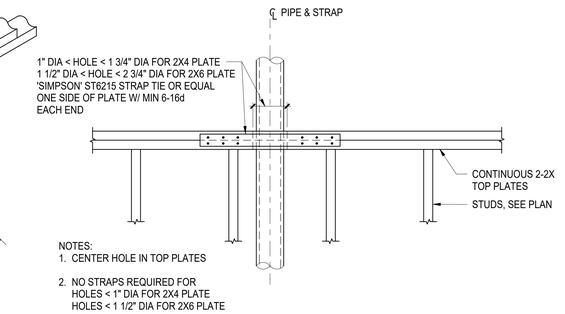
c BASE AT DOOR OPENING



a BASE AT WINDOW OPENING

2 WALL OPENING

NTS



7 WALL INTERSECTIONS

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8 INFILL OF EXISTING OPENING

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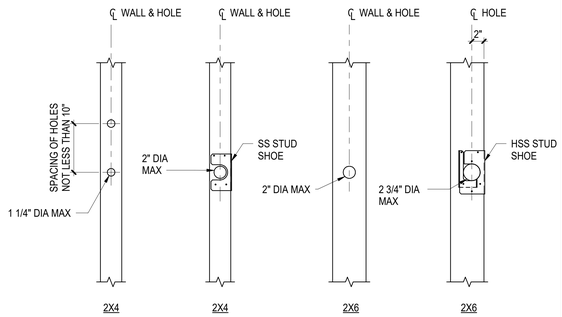

3 TOP PLATE PENETRATIONS

NTS

4 PENETRATIONS IN STUDS

NTS

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SHEET TITLE

FRAMING DETAILS

INCREMENT: 2

DRAWN BY: SN JOB NUMBER: 23120.01

SHEET NO.

2S-801

DATE: JULY 15, 2024

CONSTRUCTION DOCUMENTS 100%

DATE PLOTTED: 10/10/2024 6:33:35 PM FILE LOCATION: X:\Shared\Projects\2023\23163 - Mt Diablo ES Modernization\Drawings\Structural\Increment 2\23163 - Mt Diablo ES Modernization - R24.rvt

SYMBOL LEGEND

SINGLE LINE SYMBOL	DOUBLE LINE SYMBOL	DESCRIPTION
		LONG SWEEP 90° ELBOW - RECTANGULAR, ROUND OR OVAL
		45° ELBOW - RECTANGULAR, ROUND OR OVAL
		30° ELBOW - RECTANGULAR, ROUND OR OVAL
		90° ELBOW - RECTANGULAR DUCT WITH TURNING VANES
		45° LATERAL - ROUND TO ROUND OR OVAL TO OVAL
		90° TAKEOFF WITH 45° TAPER - RECTANGULAR TO RECTANGULAR (FOR BRANCH TAKEOFF LONGER THAN 50'-0", USE 15)
		90° TAKEOFF WITH 45° ELONGATED TEE - ROUND TO ROUND
		Y BRANCH - ROUND OR OVAL DUCT
		90° RADIUS SPLIT - RECTANGULAR DUCT, PROVIDE SPLITTER DAMPER, X/Y PROPORTIONAL SPLIT
		90° RECTANGULAR SPLIT - RECTANGULAR DUCT, PROVIDE SPLITTER DAMPER, X/Y PROPORTIONAL SPLIT
		TRANSITION - RECTANGULAR TO ROUND OR RECTANGULAR TO OVAL
		FLEXIBLE DUCT - ROUND
		FLEXIBLE DUCT - RECTANGULAR

SINGLE LINE SYMBOL	DOUBLE LINE SYMBOL	DESCRIPTION
		SECTION AT SUPPLY AIR OR MAKE-UP AIR DUCT UP
		SECTION AT RETURN AIR OR COMBUSTION AIR DUCT UP
		SECTION AT EXHAUST AIR OR RELIEF AIR DUCT UP
		SUPPLY AIR DUCT DOWN
		RETURN AIR DUCT DOWN
		EXHAUST AIR DUCT DOWN
		ROUND DUCT UP - SUPPLY, RETURN OR EXHAUST
		ROUND DUCT DOWN - SUPPLY, RETURN OR EXHAUST
		CEILING DIFFUSER - ONE, TWO, THREE AND FOUR WAY THROW
		CEILING - RETURN AND EXHAUST REGISTERS
		SIDEWALL - SUPPLY DIFFUSER, RETURN AND EXHAUST REGISTERS
		MANUAL BALANCE DAMPER WITH DUCT ACCESS DOOR
	M	MOTORIZED BALANCE DAMPER WITH DUCT ACCESS DOOR
FSD OR F/D	FSD OR F/D	FIRE DAMPER WITH DUCT ACCESS DOOR FIRE/SMOKE DAMPER WITH DUCT ACCESS DOOR
24 x 12	24 x 12	ACOUSTICALLY LINED DUCT. DIMENSIONS ARE INSIDE
	12x12 CD-1 300	REGISTER NECK SIZE AND TAG DESIGN CFM PANEL AT T-BAR CEILING

SYMBOL	ABBRV.	IDENTIFICATION
	CW	COLD WATER (DOMESTIC)
	HW	HOT WATER
	HWR	HOT WATER RETURN
	V	VENT
TP	TP	TRAP PRIMER LINE
W	S OR W	SOIL OR WASTE ABOVE GRADE
W	S OR W	SOIL OR WASTE BELOW GRADE
AW	AW	ACID WASTE
GW	GW	GREASE WASTE
RWL	RWL	RAIN WATER LEADER
OD	OD	OVERFLOW DRAIN
CD	CD	CONDENSATE DRAIN
E		CAP
CONT		CONTINUATION
		BALL VALVE
OR		VALVE
CKV		CHECK VALVE
T&PRV		TEMP. & PRESS. RELIEF VALVE
GPR		GAS PRESSURE REGULATOR
		CIRCULATION PUMP (DOMESTIC)
WHA		WATER HAMMER ARRESTOR
TP		TRAP PRIMER ACCESS PANEL
GCO/FCO		GRADE CLEAN-OUT/FLOOR CLEAN-OUT
WCO		WALL CLEAN-OUT
HB		HOSE BIBB
		UNION
AN		PIPE ANCHOR
		FLEXIBLE CONNECTOR

SYMBOL	ABBRV.	IDENTIFICATION
	P.O.C.	POINT OF CONNECTION
		REMOVE EXISTING
		LINE BREAK
		TEE DOWN
		90 DOWN
		CONCENTRIC & ECCENTRIC REDUCERS
	AD, AP	ACCESS DOOR, ACCESS PANEL
	MAV	MANUAL AIR VENT
T	T	THERMOSTAT MOUNTED @ 48" AFF. MAX.
CO2	CO2	CARBON DIOXIDE (CO2) SENSOR
	AD	AREA DRAIN
	FD	FLOOR DRAIN
	FS	FLOOR SINK
OR	VB	VALVE IN BOX
	TH	THERMOMETER
	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
	DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
FC A-1		EQUIPMENT DESIGNATION TAG NUMBER
1 MP2.1		SECTION 1 / SHEET MP2.1

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON 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 CHAPTER 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 REFERENCED 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, 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 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 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. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., HCAI OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP [X] MD [X] PP [X] E [ ] - DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

ABBREVIATIONS

&	AND	EQUIP	EQUIPMENT	P/T	PRESSURE/TEMPERATURE
°F	DEGREES FAHRENHEIT	ESP	EXTERNAL STATIC PRESSURE	PD	PRESSURE DROP
AAV	AUTOMATIC AIR VENT	EW	ENTERING WATER	PH	PHASE
AC	AIR CONDITIONER	EWB	ENTERING WET BULB	PLF	POUNDS PER LINEAR FOOT
AD	ACCESS DOOR	EWT	ENTERING WATER TEMPERATURE	POC	POINT OF CONNECTION
AFF	ABOVE FINISH FLOOR	EXT	EXTERIOR	PRV	PRESSURE REDUCING VALVE
AF/E	ANNUAL FUEL UTILIZATION EFFICIENCY	FD	FLOOR DRAIN	PSI	POUNDS PER SQUARE INCH
AL	ACOUSTICALLY LINED	FFE	FINISHED FLOOR ELEVATION	PSI (G) (A)	POUNDS PER SQUARE INCH (GAUGE) (ABSOLUTE)
AMP	AMPERE	FLA	FULL LOAD AMPS		
AN	PIPE ANCHOR	FLEX	FLEXIBLE	QTY	QUANTITY
AP	ACCESS PANEL	FPM	FEET PER MINUTE	RA	RETURN AIR
APPROX	APPROXIMATE	FS	FLOOR SINK	RAD	RETURN AIR DAMPER
ARCH	ARCHITECT / ARCHITECTURAL	FT	FEET	RH	RELATIVE HUMIDITY
AW	ACID WASTE	FT HD	FEET HEAD	RL	REFRIGERANT LIQUID
BDD	BACK DRAFT DAMPER	FTR	FLUE THRU ROOF	RM	ROOM
BFP	BACKFLOW PREVENTER	G	GAS - LOW PRESSURE	RP	REDUCED PRESSURE
BHP	BRAKE HORSEPOWER	GA	GAUGE	RPM	REVOLUTIONS PER MINUTE
BLDG	BUILDING	GAL	GALLON	RS	REFRIGERANT SUCTION
BOD	BOTTOM OF DUCT	GPM	GALLONS PER MINUTE	RV	RELIEF VALVE
BOP	BOTTOM OF PIPE	GPR	GAS PRESSURE REGULATOR	SA	SUPPLY AIR
BTU	BRITISH THERMAL UNIT	GW	GREASE WASTE PIPING	SC	SENSIBLE COOLING
BTUH	BRITISH THERMAL UNITS PER HOUR	HP	HORSEPOWER	SD	SMOKE DAMPER
BTWN	BETWEEN	HR	HOUR	SEER	SEASONAL ENERGY EFFICIENCY RATIO
CA	COMBUSTION AIR	HTG	HEATING	SM	SHEET METAL
CD	CONDENSATE DRAIN	HW	HOT WATER	SOV	SHUT-OFF VALVE
CFH	CUBIC FEET PER HOUR	HWR	HOT WATER RETURN	SP	STATIC PRESSURE
CFM	CUBIC FEET PER MINUTE	HZ	HERTZ	SPEC	SPECIFICATION
CHWR	CHILLED WATER RETURN	IE	INVERT ELEVATION	SQ	SQUARE
CHWS	CHILLED WATER SUPPLY	IN	INCH	SQFT, FT^2	SQUARE FEET
CIRC	CIRCULATING	INV	INVERT	SQIN, IN^2	SQUARE INCHES
℄	CENTERLINE	KW	KILOWATTS	STRUCT	STRUCTURAL
CLG	COOLING, CEILING	KWH	KILOWATT HOUR	T	THERMOSTAT, "X" INDICATES DEVICE CONTROLLED. 48" AFF (TO TOP OF STAT)
CLR	CLEAR	LAT	LEAVING AIR TEMPERATURE		
CONC	CONCRETE	LBS	POUNDS	TC	TOTAL COOLING
CONN	CONNECTION	LVR	LOUVER	TDH	TOTAL DYNAMIC HEAD
CONT	CONTINUED, CONTINUATION	LWB	LEAVING WET BULB	TEMP	TEMPERATURE
COOL	COOLING	LWT	LEAVING WATER TEMPERATURE	TH	THERMOMETER
COP	COEFFICIENT OF PERFORMANCE	MAD, MD	MANUAL AIR DAMPER	THRU	THROUGH
CW	COLD WATER	MAV	MANUAL AIR VENT	TP	TRAP PRIMER
D/L	DOOR LOUVER	MAX	MAXIMUM	TSP	TOTAL STATIC PRESSURE
DB	DRY BULB	MBH	1000 BTU PER HOUR	TV	TURNING VANES
DCV	DOUBLE CHECK VALVE	MCA	MINIMUM CIRCUIT AMPS	TW	TEMPERED WATER
DF	DRINKING FOUNTAIN	MCP	MECHANICAL CONTROL PANEL	TYP	TYPICAL
DN	DOWN	MECH	MECHANICAL	UL	UNDERWRITER'S LABORATORIES
DP	DIFFERENTIAL PRESSURE	MFR	MANUFACTURER	UON	UNLESS OTHERWISE NOTED
DWGS	DRAWINGS	MPG	GAS - MEDIUM PRESSURE	V	VOLT OR VENT
(E)	EXISTING	MIN	MINIMUM	VB	VALVE IN VALVE BOX
EA	EXHAUST AIR	MOCP	MAXIMUM OVERCURRENT PROTECTION	VFD	VARIABLE FREQUENCY DRIVE
EAD	EXHAUST AIR DAMPER	(N)	NEW	VTR	VENT THROUGH ROOF
EAT	ENTERING AIR TEMPERATURE	NC	NORMALLY CLOSED	W	WATTS OR WASTE
EDB	ENTERING DRY BULB	NIC	NOT IN CONTRACT	W/	WITH
EER	ENERGY EFFICIENCY RATIO	NO	NORMALLY OPEN	WB	WET BULB
EFF	EFFICIENCY	NTS	NOT TO SCALE	WC	WATER COLUMN
ELEC	ELECTRICAL	OA	OUTSIDE AIR	WH	WATER HEATER
ELEV	ELEVATION	OAD	OUTSIDE AIR DAMPER	WT	WEIGHT
ENT	ENTERING	OC	ON CENTER		
EQ	EQUAL	OD	OUTSIDE DIAMETER		

GENERAL NOTES

1. CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMISSION OF FINAL BID TO VERIFY ALL EXISTING SITE CONDITIONS WHICH MAY AFFECT THE COMPLETION OF THE INSTALLATION. ALL METHODS AND REQUIREMENTS FOR INSTALLATION SHALL BE DETERMINED PRIOR TO BID DATE. CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF RECORD OF ANY REQUIRED MODIFICATIONS WHICH ARE NOT REFERENCED ON THESE PLANS PRIOR TO SUBMITTING BID. SUBMITTAL OF THE CONTRACTOR'S BID DEMONSTRATES THE CONTRACTOR'S AWARENESS OF ALL SITE CONDITIONS AND REQUIRED WORK TO BE PERFORMED.
2. CONTRACTOR SHALL INCLUDE AND PROVIDE IN BID ALL LABOR AND MATERIALS NECESSARY FOR A COMPLETE AND OPERATIONAL INSTALLATION OF ALL SYSTEMS.
3. THE DRAWINGS INCLUDED IN THIS SET ARE DIAGRAMMATIC. THEY ARE REPRESENTATIVE OF THE ENGINEER OF RECORD'S DESIGN INTENT FOR ALL EQUIPMENT AND RELATED PIPING ETC. INDIVIDUAL POWER NEEDS, CONTROLS AND OTHER CONNECTIONS SHALL BE COORDINATED AND COMPLETED/ PROVIDED FOR COMPLETE SYSTEM OPERATION BY CONTRACTOR.
4. EQUIPMENT LOCATIONS AND PIPE ROUTING ARE NOT PRECISE AND SHALL BE COORDINATED, VERIFIED, AND DETERMINED IN THE FIELD. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND ROUTE PIPING IN LOCATIONS WHICH MEET CODE REQUIREMENTS AND DO NOT INTERFERE WITH ANY BUILDING STRUCTURES, UTILITIES, OR OTHER TRADE EQUIPMENT.
5. (E) DUCTWORK AND ITEMS TO BE REMOVED ARE SHOWN HATCHED. SEE LEGEND. COORDINATE CLOSELY WITH (N) DUCTWORK AND P.O.C.'S SHOWN. ALL OTHER (E) DUCTWORK, ETC. TO REMAIN.
6. ALL EQUIPMENT, EQUIPMENT CONNECTIONS, PIPING, MOUNTING LOCATIONS ETC. ARE TO BE VERIFIED WITH OWNER'S REPRESENTATIVE AND EQUIPMENT SUPPLIER PRIOR TO BEGINNING OF THE ROUGH-IN.
7. ALL WORK SHALL BE PERFORMED TO STATE, LOCAL, NATIONAL AND DISTRICT STANDARDS AND CODES. COORDINATE SPECIFIC REQUIREMENTS WITH DISTRICT STANDARDS AND AUTHORITY HAVING JURISDICTION.
8. ALL EQUIPMENT SHALL BE NEW AND CLEARLY LABELED AND IDENTIFIED. LABELS SHALL NOT BE COVERED BY OTHER CONSTRUCTION ELEMENTS.
9. UNLESS OTHERWISE NOTED IN CONTRACT DOCUMENTS, CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT AND WORK FOR A PERIOD OF ONE YEAR.
10. UNLESS OTHERWISE NOTED OR REFERENCED ON THE DRAWINGS, EVERYTHING IS NEW.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED SAW CUTTING, CORE DRILLING, PATCHING, REFINISHING, ETC. AS REQUIRED FOR INSTALLATION OF SYSTEMS. ANY PENETRATIONS OR OPENINGS MADE IN WALLS OR STRUCTURES SHALL BE PATCHED AND/OR SEALED AS REQUIRED TO MAINTAIN THE INTEGRITY OF THE WALL OR STRUCTURE.
12. CONTRACTOR IS RESPONSIBLE FOR COMPLETING ALL FINAL CONNECTIONS TO OWNER FURNISHED EQUIPMENT AND SHALL INCLUDE THE PRICE OF INSTALLING ALL CONNECTIONS AS REQUIRED IN THEIR BIDS.
13. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE APPROVAL OF THE ENGINEER OF RECORD. ALL APPROVALS BY THE ENGINEER OF RECORD MUST BE SECURED PRIOR TO COMPLETION OF ANY PURCHASE ORDERS OR ROUGH-IN WORK.
14. THESE DRAWINGS AND ASSOCIATED SPECIFICATIONS ARE TO BE CONSIDERED CONTRACT DOCUMENTS FOR AGENCY REVIEW/ APPROVAL AND CONTRACTOR BIDDING PURPOSES.
15. AT THE COMPLETION OF THE PROJECT THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A COMPLETE SET OF AS-BUILT DRAWINGS.
16. ANY AND ALL WORK THAT REQUIRES AN INTERRUPTION TO BUILDING SERVICES(S) (ELECTRICAL/ HVAC/ PLUMBING ETC.) MUST BE COORDINATED WITH THE DISTRICT A MINIMUM OF 48 HOURS IN ADVANCE. ANY SERVICE DOWNTIME SHALL NOT OCCUR DURING SCHOOL OPERATION HOURS.
17. IN INSTANCES WHERE A CONFLICT BETWEEN THE DRAWINGS AND THE SPECIFICATIONS AND INSTALLATION MANUALS FOR THE PROJECT EXISTS, THE CONTRACTOR SHALL ADHERE TO THE MORE STRINGENT REQUIREMENT.
18. ANY EXISTING BUILDING STRUCTURES OR SURFACES DAMAGED BY DEMOLITION OR DURING INSTALLATION ACTIVITIES SHALL BE REPAIRED, PATCHED, AND/OR REFINISHED TO THE SATISFACTION OF THE OWNER.
19. FURNISH AND INSTALL MANUAL AIR DAMPERS AT ALL DUCT BRANCH TAKEOFFS TO A SINGLE SUPPLY DIFFUSER.
20. FOR ALL VOLUME DAMPERS LOCATED ABOVE CEILINGS, PROVIDE 12" LONG 1/2" WIDE FLUORESCENT ORANGE TAPE TO MARK DAMPER LOCATIONS.
21. ALL DUCTWORK, CONDUITS, BOXES, SURFACE MOUNTED RACEWAYS, SUPPORT DEVICES, AND ASSOCIATED FITTINGS SHALL BE MOUNTED IN CONCEALED LOCATIONS ABOVE CEILINGS, DUCTS, TRUSSES, BEAMS, ETC. WHERE WORK HAS TO BE INSTALLED IN EXPOSED LOCATIONS, IT SHALL BE PAINTED TO MATCH THE ADJACENT SURFACES OR PER ARCHITECT'S DIRECTION.
22. CONTRACTOR SHALL PREPARE AND SUBMIT THE CALIFORNIA ENERGY COMMISSION TITLE 24 CERTIFICATE OF ACCEPTANCE FORMS RELATED TO INSTALLED EQUIPMENT AND SYSTEMS.
23. SAFETY: IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
24. CONTRACTOR'S EQUIPMENT: COORDINATE WITH OWNER'S REPRESENTATIVE FOR APPROVED LOCATION OF JOB SITE ACCESS, PARKING, AND LOCATION OF CONTRACTOR'S EQUIPMENT AND MATERIAL STORAGE AREA. COORDINATE WITH OWNER FOR LOCATION AND PROCEDURES.
25. ALL BUILDING MATERIALS MUST BE ASBESTOS FREE.
26. CONSTRUCTION SCHEDULING: CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH OWNER'S REPRESENTATIVE PRIOR TO SCHEDULING AND START OF THE WORK. CONTRACTOR SHALL PROVIDE PROTECTION TO ALL EXISTING SPACES AND SYSTEMS WHICH ARE IN USE, ADJOINING THE PROJECT, AND NOT PART OF THE PROJECT.
27. TITLE 24 COMPLIANCE: THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS (2022 CBC). SHOULD ANY CONDITIONS BE DISCOVERED NOT COVERED BY THE CONTRACT DOCUMENTS WHERE IN THE FINISHED WORK DOES NOT COMPLY WITH 2022 CBC, A CONSTRUCTION CHANGE DOCUMENT OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK, SHALL BE SUBMITTED TO AND APPROVED BY THE DSA BEFORE PROCEEDING WITH THE WORK.
28. INSTALLER QUALIFICATIONS: EACH EMPLOYEE SHALL BE CERTIFIED BY MANUFACTURER FOR PROPER INSTALLATION OF SYSTEMS, INCLUDING, BUT NOT LIMITED TO, EQUIPMENT, PIPING, CONTROLS, AND ACCESSORIES INDICATED AND FURNISHED FOR INSTALLATION. INSTALLER CERTIFICATION SHALL BE VALID AND CURRENT FOR DURATION OF PROJECT. INSTALLER SHALL HAVE DEMONSTRATED PAST EXPERIENCE WITH PRODUCTS BEING INSTALLED FOR PERIOD WITHIN FIVE (5) CONSECUTIVE YEARS BEFORE TIME OF BID.

DSA GENERAL NOTES

1. THE INTENT OF THE CONTRACT DOCUMENTS IS TO MODERNIZE THE SCHOOL'S CAMPUS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS, A CONSTRUCTION CHANGE DOCUMENT DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.
2. THE SEISMIC SUPPORT AND ANCHORAGE OF THE EQUIPMENT DESCRIBED ON THESE DRAWINGS HAVE BEEN ENGINEERED BY THE ENGINEER OF RECORD FOR CONFORMANCE WITH APPROPRIATE BUILDING CODES. THE ENGINEER OF RECORD WAS NOT RESPONSIBLE FOR THE EQUIPMENT DESIGN.
3. ALL MECHANICAL AND PLUMBING EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE CRITERIA FROM CHAPTER 16A CALIFORNIA BUILDING CODE (CBC) 2022.
4. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER AND THE FIELD REPRESENTATIVE OF THE DIVISION OF THE STATE ARCHITECT.
5. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.

LIST OF GOVERNING CODES

2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R.
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, C.C.R.
2022 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24, C.C.R.
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, C.C.R.
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, C.C.R.
2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24, C.C.R.
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, C.C.R.
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24, C.C.R.
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R.
TITLE 19, C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

ALL SECTION NUMBERS BELOW REFER TO GROUP 1, CHAPTER 4, PART 1, TITLE 24, C.C.R.
1. ADDENDA, CONSTRUCTION CHANGES PER SECTION 4-338.
2. INSPECTOR APPROVED BY DSA. INSPECTOR AND CONTINUOUS INSPECTION OF WORK PER SECTION 4-333(b) AND 4-342.
3. TESTS AND TESTING LABORATORY PER SECTION 4-335.
4. SPECIAL INSPECTION PER SECTION 4-333(c).
5. CONTRACTOR SHALL SUBMIT VERIFIED REPORTS PER SECTION 4-336 AND 4-343(c).
6. ADMINISTRATION OF CONSTRUCTION PER PART 1, TITLE 24, C.C.R. - DUTIES OF ARCHITECT, STRUCTURAL ENGINEER OR PROFESSIONAL ENGINEER PER SECTION 4-333(a) AND 4-341.
7. GOVERNING CODES: TITLE 24.
8. A COPY OF PARTS 1, 2, 3, 4, AND 5 OF TITLE 24 SHALL BE KEPT AVAILABLE IN THE FIELD DURING CONSTRUCTION.
9. DSA SHALL BE NOTIFIED OF START OF CONSTRUCTION PER SECTION 4-331.
10. SUPERVISION BY THE DIVISION OF THE STATE ARCHITECT PER SECTION 4-334.

DRAWING INDEX

2MP-001 LEGENDS & NOTES - MECHANICAL & PLUMBING
2MP-002 SCHEDULES - MECHANICAL & PLUMBING
2MP-201 BLDG 2 - DEMO & NEW FLOOR PLANS - MECHANICAL & PLUMBING
2MP-202 BLDG 3 - DEMO & NEW FLOOR PLANS - MECHANICAL & PLUMBING
2MP-203 BLDG 4 - DEMO & NEW FLOOR PLANS - MECHANICAL & PLUMBING
2MP-204 BLDG 5 - DEMO & NEW FLOOR PLANS - MECHANICAL & PLUMBING
2MP-205 BLDG 6 - DEMO & NEW FLOOR PLANS - MECHANICAL & PLUMBING
2MP-206 BLDG 9 - DEMO & NEW FLOOR PLANS - MECHANICAL & PLUMBING
2MP-207 BLDG 10 - DEMO & NEW FLOOR PLANS - MECHANICAL & PLUMBING
2MP-301 BLDG 5 - DEMO & NEW ROOF PLANS - MECHANICAL & PLUMBING
2MP-401 BLDG 5 - DEMO & NEW RESTROOM PLANS - MECHANICAL & PLUMBING
2MP-501 MECHANICAL - CONTROLS
2MP-601 DETAILS - MECHANICAL & PLUMBING
2MP-801 T24 - MECHANICAL

AGENCY APPROVAL DSA# 01-121407

196
911 W HEDDING ST., SUITE 101
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CYPRESS Engineering Group
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8 Harris Court, Suite A8
Monterey, CA 93940
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HVAC, Plumbing, Fire Protection
Building Commissioning
Industrial Refrigeration
Environmental Compliance
Training & Technical Support

CONSULTANTS

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CIVIL ENGINEER
CARROLL ENGINEERING
1101 South Winchester Blvd., Suite H184
San Jose, CA 95128
TEL (408) 261-9800

STRUCTURAL ENGINEER
BASE Design Inc.
582 Market St. Ste 1402
San Francisco, CA 94104
TEL (415) 466-2997

ELECTRICAL ENGINEER
ATIUM ENGINEERING
3533 York Ln.
San Ramon, CA 94582
TEL (913) 961-1658

TECHNOLOGY ENGINEER
KMM Services Inc.
5433 El Camino Ave. Ste 5
Carmichael, CA 95608
TEL (916) 359-4000

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER — KEVIN SERTIVEN — No. M31059 — EXP. JUNE 30, 2025 — MECHANICAL — STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION
1	10-11-2024	DSA BACKCHECK

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE
MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
LEGENDS & NOTES - MECHANICAL & PLUMBING

INCREMENT 2

DRAWN BY: RR JOB NUMBER: 23120.01

SHEET NO.
2MP-001

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

FILE LOCATION: E:\Shared Drives\HVAC\19-6 Nineteen Six\23147 - Mt Diablo ES Mod\03 Dwgs\MT Diablo ES Mod Inc 2.dwg

DATE PLOTTED: 10/11/2024 10:43 AM

GAS FIRED FURNACE SCHEDULE BLD-10 (OWNER FURNISHED CONTRACTOR INSTALLED)

TAG	LOCATION	MANUFACTURER	MODEL NO.	GAS HEATING		AIRFLOW CFM	ESP IN. W.G.	OUTSIDE AIR MIN. CFM	OUTSIDE AIR MAX. DCV CFM	AFUE %	MOTOR	ELECTRICAL			WEIGHT LBS	MOUNTING DETAIL	NOTES
				INPUT MBH	OUTPUT MBH						HP	V / PH	MCA	MOCP			
F-10-35	CLASS RM 35	CARRIER	58SB1A090E2120	88	71	1,260	0.8	200	500	80	1	115 / 1	13	20	140	1/2MP-601	1, 2, 3, 4, 5
F-10-36	CLASS RM 36	CARRIER	58SB1A090E2120	88	71	1,260	0.8	200	500	80	1	115 / 1	13	20	140	1/2MP-601	1, 2, 3, 4, 5
F-10-37	CLASS RM 37	CARRIER	58SB1A090E2120	88	71	1,260	0.8	200	500	80	1	115 / 1	13	20	140	1/2MP-601	1, 2, 3, 4, 5
F-10-38	CLASS RM 38	CARRIER	58SB1A090E2120	88	71	1,260	0.8	200	500	80	1	115 / 1	13	20	140	1/2MP-601	1, 2, 3, 4, 5
F-10-39	CLASS RM 39	CARRIER	58SB1A090E2120	88	71	1,260	0.8	200	500	80	1	115 / 1	13	20	140	1/2MP-601	1, 2, 3, 4, 5
F-10-40	CLASS RM 40	CARRIER	58SB1A090E2120	88	71	1,260	0.8	200	500	80	1	115 / 1	13	20	140	1/2MP-601	1, 2, 3, 4, 5

1. PROVIDE WITH VENT KIT.
2. PROVIDE WITH 2" THICK MERV 13 FILTERS.
3. CONNECT TO (E) VICONICS NETWORK THERMOSTAT MODEL VT8650 NETWORKED TO SCHOOL CONTROL SYSTEM. SEE 1MP-501.
4. PROVIDE ECONOMIZER CONTROLLER & SENSORS COMPATIBLE W/ SCHOOL TRIDIUM N4 CONTROLS, SEE 1MP-501.
5. IF EQUIPMENT MODEL SPECIFIED IS NO LONGER AVAILABLE AT TIME OF CONSTRUCTION FOR ANY REASON INCLUDING NEW REGULATORY REQUIREMENTS, PROVIDE THE NEW EQUIVALENT MODEL & INCLUDE EXPECTED PRICE DIFFERENCES IN BID.

COOLING COILS SCHEDULE BLD-10 (OWNER FURNISHED CONTRACTOR INSTALLED)

TAG	LOCATION	MANUFACTURER	MODEL NO.	CONDENSING UNIT	NOMINAL CAPACITY TONS	COOLING	REFRIGERANT PIPING		WEIGHT LBS	NOTES
						TOTAL MBH	LIQUID	GAS		
CC-10-35	F-10-35	CARRIER	CAPMP4821ALA	CU-10-35	3.5	34.45	3/8"	7/8"	85	1, 2
CC-10-36	F-10-36	CARRIER	CAPMP4821ALA	CU-10-36	3.5	34.45	3/8"	7/8"	85	1, 2
CC-10-37	F-10-37	CARRIER	CAPMP4821ALA	CU-10-37	3.5	34.45	3/8"	7/8"	85	1, 2
CC-10-38	F-10-38	CARRIER	CAPMP4821ALA	CU-10-38	3.5	34.45	3/8"	7/8"	85	1, 2
CC-10-39	F-10-39	CARRIER	CAPMP4821ALA	CU-10-39	3.5	34.45	3/8"	7/8"	85	1, 2
CC-10-40	F-10-40	CARRIER	CAPMP4821ALA	CU-10-40	3.5	34.45	3/8"	7/8"	85	1, 2

1. VERIFY REFRIGERANT PIPE SIZES AND ROUTING LIMITATIONS WITH MANUFACTURER PRIOR TO INSTALLATION.
2. IF EQUIPMENT MODEL SPECIFIED IS NO LONGER AVAILABLE AT TIME OF CONSTRUCTION FOR ANY REASON INCLUDING NEW REGULATORY REQUIREMENTS, PROVIDE THE NEW EQUIVALENT MODEL & INCLUDE EXPECTED PRICE DIFFERENCES IN BID.

CONDENSING UNITS SCHEDULE BLD-10 (OWNER FURNISHED CONTRACTOR INSTALLED)

TAG	LOCATION	MANUFACTURER	MODEL NO.	COOLING COIL	NOMINAL CAPACITY TONS	COOLING	REFRIGERANT PIPING		SEER	ELECTRICAL			WEIGHT LBS	MOUNTING DETAIL	NOTES
						TOTAL MBH	LIQUID	GAS		V / PH	MCA	MOCP			
CU-10-35	OUTSIDE	CARRIER	24ABB342A006	CC-10-35	3.5	41.00	3/8"	7/8"	13	460 / 3	8.1	15	190	2/2MP-601	1, 2, 3, 4, 5, 6
CU-10-36	OUTSIDE	CARRIER	24ABB342A006	CC-10-36	3.5	41.00	3/8"	7/8"	13	460 / 3	8.1	15	190	2/2MP-601	1, 2, 3, 4, 5, 6
CU-10-37	OUTSIDE	CARRIER	24ABB342A006	CC-10-37	3.5	41.00	3/8"	7/8"	13	460 / 3	8.1	15	190	2/2MP-601	1, 2, 3, 4, 5, 6
CU-10-38	OUTSIDE	CARRIER	24ABB342A006	CC-10-38	3.5	41.00	3/8"	7/8"	13	460 / 3	8.1	15	190	2/2MP-601	1, 2, 3, 4, 5, 6
CU-10-39	OUTSIDE	CARRIER	24ABB342A006	CC-10-39	3.5	41.00	3/8"	7/8"	13	460 / 3	8.1	15	190	2/2MP-601	1, 2, 3, 4, 5, 6
CU-10-40	OUTSIDE	CARRIER	24ABB342A006	CC-10-40	3.5	41.00	3/8"	7/8"	13	460 / 3	8.1	15	190	2/2MP-601	1, 2, 3, 4, 5, 6

1. VERIFY REFRIGERANT PIPE SIZES AND ROUTING LIMITATIONS WITH MANUFACTURER PRIOR TO INSTALLATION.
2. FURNISHED W/ KSACY0101AAA CYCLE PROTECTOR KIT. FIELD INSTALLED.
3. FURNISHED W/ KAALP0401PUR LOW PRESSURE SW KIT. FIELD INSTALLED.
4. FURNISHED W/ KAAH0501PUR HIGH PRESSURE SW KIT. FIELD INSTALLED.
5. FURNISHED W/ KAACH1601AAA CRANKCASE HEATER KIT. FIELD INSTALLED.
6. IF EQUIPMENT MODEL SPECIFIED IS NO LONGER AVAILABLE AT TIME OF CONSTRUCTION FOR ANY REASON INCLUDING NEW REGULATORY REQUIREMENTS, PROVIDE THE NEW EQUIVALENT MODEL & INCLUDE EXPECTED PRICE DIFFERENCES IN BID.

FANS SCHEDULE

TAG	MANUFACTURER	MODEL NO.	TYPE	AREA SERVED	AIRFLOW CFM	ESP IN. W.G.	FAN RPM	SOUND POWER SONES	MOTOR			WEIGHT LBS	MOUNTING DETAIL	NOTES
									WATTS	HP	V / PH			
EF-5-502	GREENHECK	G-100-VG	ROOF EXHAUST FAN	BOYS 502	310	0.25	801	2.2	—	1/4	115 / 1	85	12/2MP-601	1, 2, 3, 4
EF-5-504	GREENHECK	G-100-VG	ROOF EXHAUST FAN	GIRLS 504	310	0.25	801	2.2	—	1/4	115 / 1	85	12/2MP-601	1, 2, 3, 4

1. WEIGHT INCLUDES ACCESSORIES.
2. PROVIDE WITH UL LISTING, GRAVITY-OPERATED BACKDRAFT DAMPER, & FAN MOUNTED SPEED CONTROL.
3. PROVIDE W/ CURB ADAPTER & FIELD VERIFY SIZE TO MATCH (E) CURBS.
4. CONTROL W/ LIGHTS BY WALL SWITCH / OCCUPANCY SENSOR.

PLUMBING FIXTURES SCHEDULE

ITEM	DESCRIPTION	MANUFACTURER	MODEL NO.	ROUGH-IN CONNECTIONS (IN.)					FLUSH VALVE	SEAT	FAUCET	CARRIER	DRAIN ASSEMBLY	P-TRAP	STOP / SUPPLY	INSULATION KIT	ADA (Y/N)	NOTES
				TRAP	W	V	CW	HW										
CS-1	CLASSROOM SINK	ELKAY	DRKADQ222065-2LM (6½" DEEP)	1-1/2"	2"	1-1/2"	1/2"	—	—	—	MOEN 8103 (W/ 1.5 GPM AERATOR)	—	ELKAY LKAD35	DEARBORN BRASS 710-1	BRASSCRAFT SCR19X C	TRUEBRO LAV GUARD 2	Y	4
DF-1	DRINKING FOUNTAIN	HAWS	1117L	1-1/2"	2"	1-1/2"	1/2"	—	—	—	—	HAWS 6717	—	HAWS SUPPLIED W/ DF	BRASSCRAFT SCR19X C	—	Y	5, 6
FD-1	FLOOR DRAIN	JR SMITH	2005Y	2"	2"	1-1/2"	—	—	—	—	—	—	—	—	—	—	—	3
L-1	WALL HUNG LAVATORY	AMERICAN STANDARD	LUCERNE 0356.421	1-1/2"	2"	1-1/2"	1/2"	—	—	—	MOEN 8884	JAY R. SMITH 0722	MCGUIRE 155WC	MCGUIRE MCT150	BRASSCRAFT SCR19X C	TRUEBRO LAV GUARD 2	Y	1, 2, 5, 6
MS-1	MOP SINK	AMERICAN STANDARD	FLORWELL SERVICE SINK 7745.811	3"	3"	2"	3/4"	3/4"	—	—	CHICAGO FAUCETS 897-RCF	—	7721.038	—	—	—	N	7
S-1	SINGLE COMPARTMENT SINK	ELKAY	LRAD221965 (6½" DEEP)	1-1/2"	2"	1-1/2"	1/2"	—	—	—	MOEN 8103 (W/ 1.5 GPM AERATOR)	—	ELKAY LKAD35	DEARBORN BRASS 710-1	BRASSCRAFT OCR19X C	TRUEBRO LAV GUARD 2	Y	5, 6
TP-1	TRAP PRIMER	PRECISION PLUMBING PRODUCTS	P2-500	—	—	—	1/2"	—	—	—	—	—	—	—	—	—	Y	5, 6
U-1	WALL HUNG URINAL (ELEMENTARY. HT.)	AMERICAN STANDARD	PINTBROOK 6002.001	INT	2"	1-1/2"	3/4"	—	MOEN 8312M0125 (0.125 GPF)	—	—	JAY R. SMITH 0637	—	—	—	—	N	5, 6
US-1	UTILITY SINK	AMERICAN STANDARD	LAKEWELL SERVICE SINK 7692.008	3"	3"	2"	1/2"	1/2"	—	—	AMERICAN STANDARD 8341.076	—	AMERICAN STANDARD	AMERICAN STANDARD 7798.030	—	—	N	
WC-2	FLOOR MOUNT WATER CLOSET (STD. / ELEM. HT.)	AMERICAN STANDARD	MADERA FLOWISE 3451.001	INT	4"	2"	1-1/2"	—	MOEN 8310M128 (1.28 GPF)	BEMIS 1955SSCT	—	—	—	—	—	—	N	5, 6

1. 0.5 GPM ECONO-FLOW VANDAL PROOF NON-AERATING WATER SUPPLY.
2. PROVIDE WITH LOOSE KEY AND 83-16A SUPPLY.
3. DURA-COATED CAST IRON BODY, TYPE B POLISHED NICKEL BRONZE WITH 1/2" TRAP PRIMER CONNECTION.
4. PROVIDE WITH ELKAY LK1141A BUBBLER.
5. FOR RESTROOM PLUMBING FIXTURE HEIGHTS REFER TO ARCHITECT DETAILS.
6. FOR ADA FIXTURE LOCATIONS SEE ARCHITECT PLANS.
7. PROVIDE W/ VINYL RIM GUARD & 7721.038 FLAT GRID DRAIN.

WATER HEATERS SCHEDULE

TAG	TYPE	MANUFACTURER	MODEL NO.	LOCATION	CAPACITY GAL	GAS INPUT MBH	RECOVERY GPH	ELECTRICAL			WEIGHT LBS	MOUNTING DETAIL	NOTES
								KW	AMPS	V / PH			
WH-2-1	ELECTRIC W/ STORAGE	A.O. SMITH	DEL-20	JANITOR 209	20	—	14	3	—	120 / 1	250	13/2MP-601	1, 2

1. PROVIDE W/ HOLDRITE 30-SWHP-WM WALL HUNG PLATFORM
2. SEE DETAIL 14/2MP-601 FOR PIPING.

GAS FIRED FURNACE SCHEDULE BLD-9 (OWNER FURNISHED CONTRACTOR INSTALLED)

TAG	LOCATION	MANUFACTURER	MODEL NO.	GAS HEATING		AIRFLOW CFM	ESP IN. W.G.	OUTSIDE AIR MIN. CFM	OUTSIDE AIR MAX. DCV CFM	AFUE %	MOTOR	ELECTRICAL			WEIGHT LBS	MOUNTING DETAIL	NOTES
				INPUT MBH	OUTPUT MBH						HP	V / PH	MCA	MOCP			
F-9-29	CLASS RM 29	CARRIER	58SB1A090E2120	88	71	1,260	0.8	200	500	80	1	115 / 1	13	20	140	1/2MP-601	1, 2, 3, 4, 5
F-9-30	CLASS RM 30	CARRIER	58SB1A090E2120	88	71	1,260	0.8	200	500	80	1	115 / 1	13	20	140	1/2MP-601	1, 2, 3, 4, 5
F-9-31	CLASS RM 31	CARRIER	58SB1A090E2120	88	71	1,260	0.8	200	500	80	1	115 / 1	13	20	140	1/2MP-601	1, 2, 3, 4, 5
F-9-32	CLASS RM 32	CARRIER	58SB1A090E2120	88	71	1,260	0.8	200	500	80	1	115 / 1	13	20	140	1/2MP-601	1, 2, 3, 4, 5
F-9-33	CLASS RM 33	CARRIER	58SB1A090E2120	88	71	1,260	0.8	200	500	80	1	115 / 1	13	20	140	1/2MP-601	1, 2, 3, 4, 5
F-9-34	CLASS RM 34	CARRIER	58SB1A090E2120	88	71	1,260	0.8	200	500	80	1	115 / 1	13	20	140	1/2MP-601	1, 2, 3, 4, 5

1. PROVIDE WITH VENT KIT.
2. PROVIDE WITH 2" THICK MERV 13 FILTERS.
3. CONNECT TO (E) VICONICS NETWORK THERMOSTAT MODEL VT8650 NETWORKED TO SCHOOL CONTROL SYSTEM. SEE 1MP-501.
4. PROVIDE ECONOMIZER CONTROLLER & SENSORS COMPATIBLE W/ SCHOOL TRIDIUM N4 CONTROLS, SEE 1MP-501.
5. IF EQUIPMENT MODEL SPECIFIED IS NO LONGER AVAILABLE AT TIME OF CONSTRUCTION FOR ANY REASON INCLUDING NEW REGULATORY REQUIREMENTS, PROVIDE THE NEW EQUIVALENT MODEL & INCLUDE EXPECTED PRICE DIFFERENCES IN BID.

COOLING COILS SCHEDULE BLD-9 (OWNER FURNISHED CONTRACTOR INSTALLED)

TAG	LOCATION	MANUFACTURER	MODEL NO.	CONDENSING UNIT	NOMINAL CAPACITY TONS	COOLING	REFRIGERANT PIPING		WEIGHT LBS	NOTES
						TOTAL MBH	LIQUID	GAS		
CC-9-29	F-9-29	CARRIER	CAPMP4821ALA	CU-9-29	3.5	34.45	3/8"	7/8"	85	1, 2
CC-9-30	F-9-30	CARRIER	CAPMP4821ALA	CU-9-30	3.5	34.45	3/8"	7/8"	85	1, 2
CC-9-31	F-9-31	CARRIER	CAPMP4821ALA	CU-9-31	3.5	34.45	3/8"	7/8"	85	1, 2
CC-9-32	F-9-32	CARRIER	CAPMP4821ALA	CU-9-32	3.5	34.45	3/8"	7/8"	85	1, 2
CC-9-33	F-9-33	CARRIER	CAPMP4821ALA	CU-9-33	3.5	34.45	3/8"	7/8"	85	1, 2
CC-9-34	F-9-34	CARRIER	CAPMP4821ALA	CU-9-34	3.5	34.45	3/8"	7/8"	85	1, 2

1. VERIFY REFRIGERANT PIPE SIZES AND ROUTING LIMITATIONS WITH MANUFACTURER PRIOR TO INSTALLATION.
2. IF EQUIPMENT MODEL SPECIFIED IS NO LONGER AVAILABLE AT TIME OF CONSTRUCTION FOR ANY REASON INCLUDING NEW REGULATORY REQUIREMENTS, PROVIDE THE NEW EQUIVALENT MODEL & INCLUDE EXPECTED PRICE DIFFERENCES IN BID.

CONDENSING UNITS SCHEDULE BLD-9 (OWNER FURNISHED CONTRACTOR INSTALLED)

TAG	LOCATION	MANUFACTURER	MODEL NO.	COOLING COIL	NOMINAL CAPACITY TONS	COOLING	REFRIGERANT PIPING		SEER	ELECTRICAL			WEIGHT LBS	MOUNTING DETAIL	NOTES
						TOTAL MBH	LIQUID	GAS		V / PH	MCA	MOCP			
CU-9-29	OUTSIDE	CARRIER	24ABB342A006	CC-9-29	3.5	41.00	3/8"	7/8"	13	460 / 3	8.1	15	190	2/2MP-601	1, 2, 3, 4, 5, 6
CU-9-30	OUTSIDE	CARRIER	24ABB342A006	CC-9-30	3.5	41.00	3/8"	7/8"	13	460 / 3	8.1	15	190	2/2MP-601	1, 2, 3, 4, 5, 6
CU-9-31	OUTSIDE	CARRIER	24ABB342A006	CC-9-31	3.5	41.00	3/8"	7/8"	13	460 / 3	8.1	15	190	2/2MP-601	1, 2, 3, 4, 5, 6
CU-9-32	OUTSIDE	CARRIER	24ABB342A006	CC-9-32	3.5	41.00	3/8"	7/8"	13	460 / 3	8.1	15	190	2/2MP-601	1, 2, 3, 4, 5, 6
CU-9-33	OUTSIDE	CARRIER	24ABB342A006	CC-9-33	3.5	41.00	3/8"	7/8"	13	460 / 3	8.1	15	190	2/2MP-601	1, 2, 3, 4, 5, 6
CU-9-34	OUTSIDE	CARRIER	24ABB342A006	CC-9-34	3.5	41.00	3/8"	7/8"	13	460 / 3	8.1	15	190	2/2MP-601	1, 2, 3, 4, 5, 6

1. VERIFY REFRIGERANT PIPE SIZES AND ROUTING LIMITATIONS WITH MANUFACTURER PRIOR TO INSTALLATION.
2. FURNISHED W/ KSACY0101AAA CYCLE PROTECTOR KIT. FIELD INSTALLED.
3. FURNISHED W/ KAALP0401PUR LOW PRESSURE SW KIT. FIELD INSTALLED.
4. FURNISHED W/ KAAH0501PUR HIGH PRESSURE SW KIT. FIELD INSTALLED.
5. FURNISHED W/ KAACH1601AAA CRANKCASE HEATER KIT. FIELD INSTALLED.
6. IF EQUIPMENT MODEL SPECIFIED IS NO LONGER AVAILABLE AT TIME OF CONSTRUCTION FOR ANY REASON INCLUDING NEW REGULATORY REQUIREMENTS, PROVIDE THE NEW EQUIVALENT MODEL & INCLUDE EXPECTED PRICE DIFFERENCES IN BID.

AGENCY APPROVAL DSA# 01-121407

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PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER — WEI-IN SERTTY — No. M31059 — EXP. JUNE 30, 2025 — MECHANICAL — STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION
1	10-11-2024	DSA BACKCHECK

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

SCHEDULES - MECHANICAL & PLUMBING

INCREMENT 2

DRAWN BY: RR JOB NUMBER: 23120.01

SHEET NO.

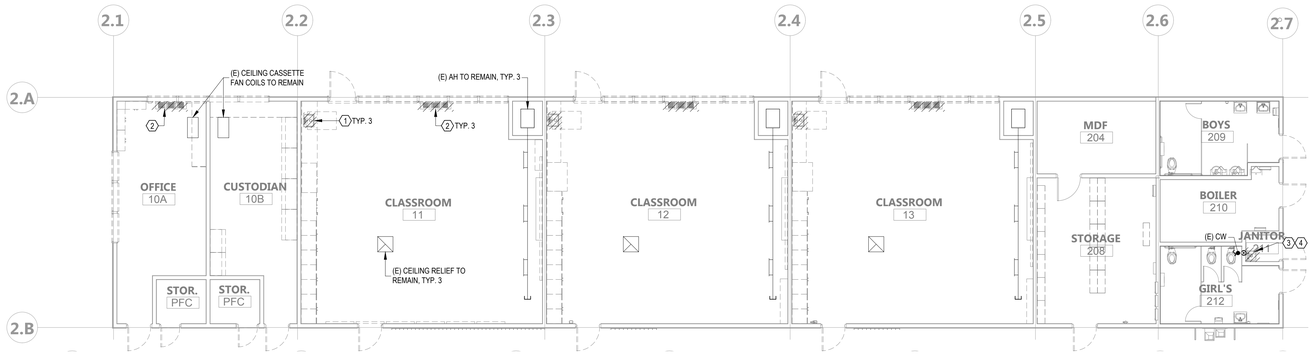
2MP-002

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

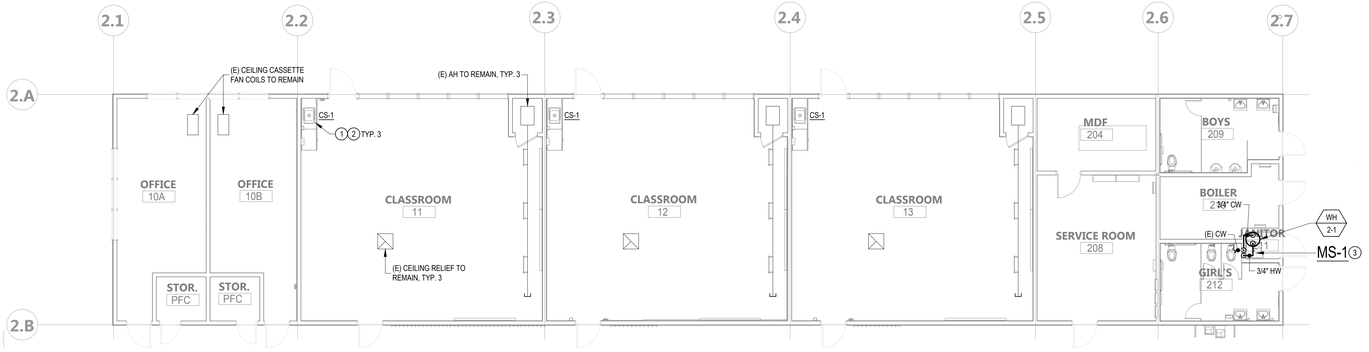
FILE LOCATION: E:\Shared Drives\HVAC\19-6 Nineteen Six\23147 - Mt Diablo ES Mod\03 Dwgs\MT Diablo ES Mod Inc 2.dwg

DATE PLOTTED: 10/11/2024 10:43 AM



1 / 2MP-201 BLDG 2 FLOOR PLAN - DEMO - MECHANICAL & PLUMBING

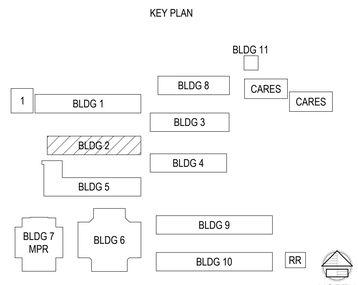
SCALE: 1/8" = 1'-0"



2 / 2MP-201 BLDG 2 FLOOR PLAN - NEW - MECHANICAL & PLUMBING

SCALE: 1/8" = 1'-0"

KEY PLAN



GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING AND NEW BUILDING STRUCTURES, SERVICES, AND OWNER'S PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION.
2. COORDINATE THE LOCATIONS OF ROOF/WALL OPENINGS, PENETRATIONS, DUCTWORK, PIPING, AND ALL MECHANICAL AND PLUMBING EQUIPMENT WITH RESPECT TO BUILDING STRUCTURE AND OTHER BUILDING SERVICES TO AVOID CONFLICT.
3. SEE ARCHITECT'S DRAWINGS FOR PATCHING AND REPAIR OF ROOF, WALL, AND FLOOR PENETRATIONS.
4. INFORMATION SHOWN IS BASED ON AVAILABLE AS-BUILTS AND THE LOCATION OF ALL EQUIPMENT, DUCTS, PENETRATIONS, PIPING, AND OTHER PROJECTIONS SHOWN ON THE PLANS IS APPROXIMATE. NOT ALL EXISTING ITEMS ARE IDENTIFIED OR SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS, INCLUDING ALL RELEVANT DIMENSION,S EQUIPMENT COUNTS, AND LOCATIONS PRIOR TO SUBMITTING A BID.
5. SEE PLANS AND SPECIFICATIONS FOR ALL OTHER DISCIPLINES FOR ADDITIONAL SCOPE OF WORK THAT MAY NOT BE SHOWN HERE. COORDINATE WITH GENERAL CONTRACTOR TO CONFIRM ENTIRE SCOPE OF WORK HAS BEEN INCLUDED.

(#) DEMOLITION SHEET NOTES

1. REMOVE (E) SINK, PROTECT (E) UTILITIES IN WALL FOR CONNECTION TO NEW SINK.
2. REMOVE (E) RADIANT HEATER COMPLETE. CAP (E) HYDRONIC PIPING IN WALL OR BELOW FLOOR. PATCH WALL & SLAB / FLOOR AS REQUIRED TO MATCH FINAL FINISHES.
3. REMOVE (E) UTILITY SINK, PROTECT (E) UTILITIES IN FOR CONNECTION TO NEW UTILITY SINK.
4. REMOVE (E) WATER HEATER & HW PIPING TO UTILITY SINK.

(#) NEW SHEET NOTES

1. CONNECT SINK TO (E) PLUMBING CONNECTIONS, EXTEND PLUMBING AS REQUIRED.
2. CS-1 CLASSROOM SINKS SHALL HAVE NEW PIPES, TRAPS, & FITTINGS FROM THE WALL CONNECTIONS TO THE SINK.
3. CONNECT MOP SINK TO (E) PLUMBING CONNECTIONS, EXTEND PLUMBING AS REQUIRED. PATCH WALL & SLAB / FLOOR AS REQUIRED TO MATCH FINAL FINISHES WHEN PLUMBING PIPING IS COMPLETE.

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METIN SERT UYAR
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EXP. JUNE 30, 2025
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STATE OF CALIFORNIA

REVISIONS

#	NO.	DATE	DESCRIPTION
		10-11-2024	DSA BACKCHECK

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5880 Mt. Zion Drive
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SHEET TITLE
BLDG 2 - DEMO & NEW FLOOR PLANS

INCREMENT 2

DRAWN BY: RR JOB NUMBER: 23120.01

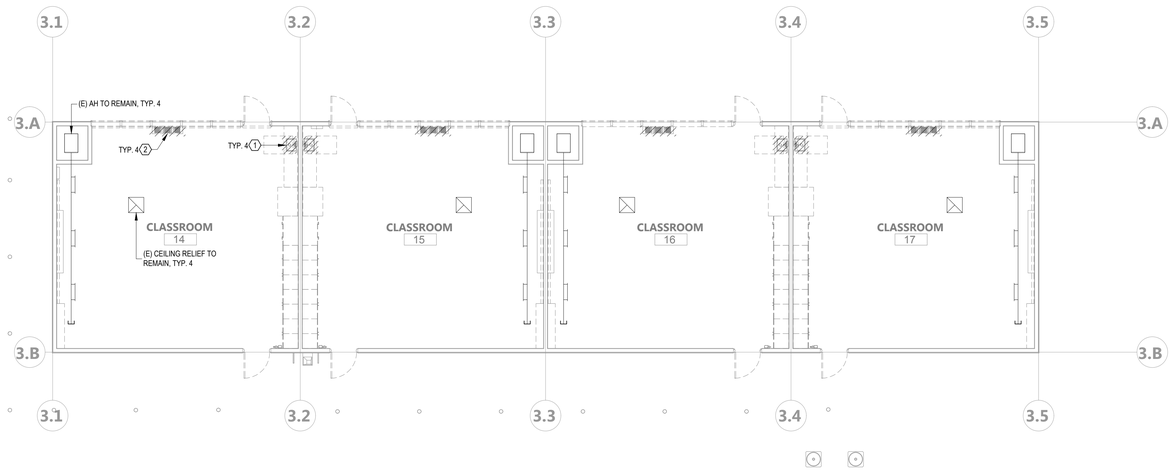
SHEET NO.
2MP-201

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

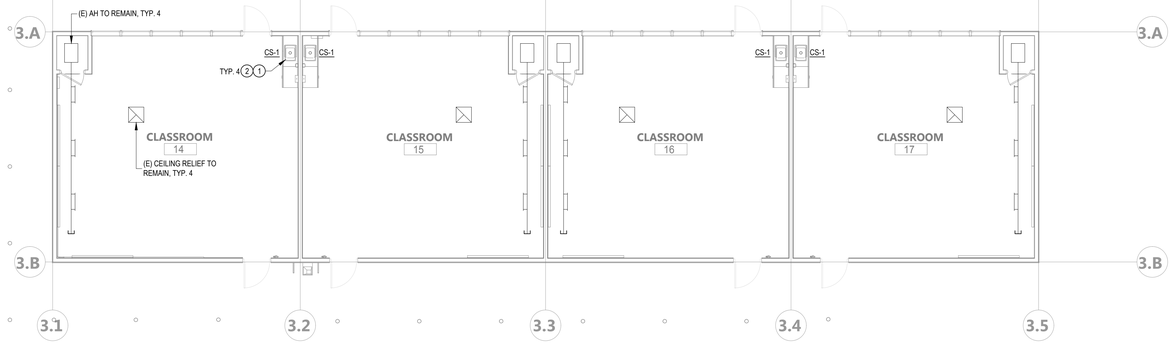
FILE LOCATION: E:\Shared Drives\HVAC\19-6 Nineteen Six\23147 - Mt Diablo ES Mod\03 Dwgs\MT Diablo ES Mod Inc 2.dwg

DATE PLOTTED: 10/11/2024 10:44 AM



1 / 2MP-202 BLDG 3 FLOOR PLAN - DEMO - MECHANICAL & PLUMBING

SCALE: 1/8" = 1'-0"



2 / 2MP-202 BLDG 3 FLOOR PLAN - NEW - MECHANICAL & PLUMBING

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING AND NEW BUILDING STRUCTURES, SERVICES, AND OWNER'S PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION.
2. COORDINATE THE LOCATIONS OF ROOF/WALL OPENINGS, PENETRATIONS, DUCTWORK, PIPING, AND ALL MECHANICAL AND PLUMBING EQUIPMENT WITH RESPECT TO BUILDING STRUCTURE AND OTHER BUILDING SERVICES TO AVOID CONFLICT.
3. SEE ARCHITECT'S DRAWINGS FOR PATCHING AND REPAIR OF ROOF, WALL, AND FLOOR PENETRATIONS.
4. INFORMATION SHOWN IS BASED ON AVAILABLE AS-BUILTS AND THE LOCATION OF ALL EQUIPMENT, DUCTS, PENETRATIONS, PIPING, AND OTHER PROJECTIONS SHOWN ON THE PLANS IS APPROXIMATE. NOT ALL EXISTING ITEMS ARE IDENTIFIED OR SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS, INCLUDING ALL RELEVANT DIMENSION,S EQUIPMENT COUNTS, AND LOCATIONS PRIOR TO SUBMITTING A BID.
5. SEE PLANS AND SPECIFICATIONS FOR ALL OTHER DISCIPLINES FOR ADDITIONAL SCOPE OF WORK THAT MAY NOT BE SHOWN HERE. COORDINATE WITH GENERAL CONTRACTOR TO CONFIRM ENTIRE SCOPE OF WORK HAS BEEN INCLUDED.

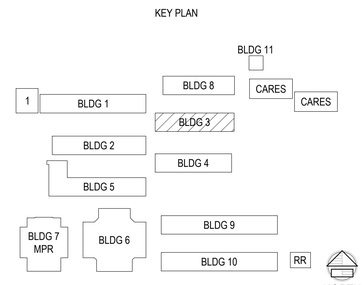
(#) DEMOLITION SHEET NOTES

1. REMOVE (E) SINK, PROTECT (E) UTILITIES IN WALL FOR CONNECTION TO NEW SINK.
2. REMOVE (E) RADIANT HEATER COMPLETE. CAP (E) HYDRONIC PIPING IN WALL OR BELOW FLOOR. PATCH WALL & SLAB / FLOOR AS REQUIRED TO MATCH FINAL FINISHES.

(#) NEW SHEET NOTES

1. CONNECT SINK TO (E) PLUMBING CONNECTIONS, EXTEND PLUMBING AS REQUIRED.
2. CS-1 CLASSROOM SINKS SHALL HAVE NEW PIPES, TRAPS, & FITTINGS FROM THE WALL CONNECTIONS TO THE SINK.

KEY PLAN



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MECHANICAL
STATE OF CALIFORNIA

REVISIONS

#	NO.	DATE	DESCRIPTION
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SHEET TITLE

BLDG 3 - DEMO & NEW FLOOR PLANS

INCREMENT 2

DRAWN BY: RR JOB NUMBER: 23120.01

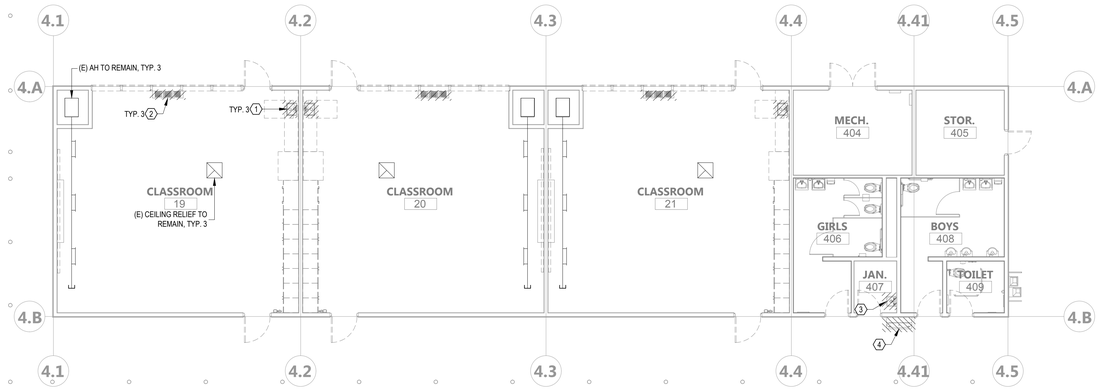
SHEET NO.

2MP-202

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

DATE PLOTTED: 10/11/2024 10:44 AM FILE LOCATION: E:\Shared Drives\HVAC\19-6 Nineteen Six\23147 - Mt Diablo ES Mod\03 Dwgs\MT Diablo ES Mod Inc 2.dwg



1 2MP-203 BLDG 4 FLOOR PLAN - DEMO - MECHANICAL & PLUMBING

SCALE: 1/8" = 1'-0"

2 2MP-203 BLDG 4 FLOOR PLAN - NEW - MECHANICAL & PLUMBING

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING AND NEW BUILDING STRUCTURES, SERVICES, AND OWNER'S PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION.
2. COORDINATE THE LOCATIONS OF ROOF/WALL OPENINGS, PENETRATIONS, DUCTWORK, PIPING, AND ALL MECHANICAL AND PLUMBING EQUIPMENT WITH RESPECT TO BUILDING STRUCTURE AND OTHER BUILDING SERVICES TO AVOID CONFLICT.
3. SEE ARCHITECT'S DRAWINGS FOR PATCHING AND REPAIR OF ROOF, WALL, AND FLOOR PENETRATIONS.
4. INFORMATION SHOWN IS BASED ON AVAILABLE AS-BUILTS AND THE LOCATION OF ALL EQUIPMENT, DUCTS, PENETRATIONS, PIPING, AND OTHER PROJECTIONS SHOWN ON THE PLANS IS APPROXIMATE. NOT ALL EXISTING ITEMS ARE IDENTIFIED OR SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS, INCLUDING ALL RELEVANT DIMENSION,S EQUIPMENT COUNTS, AND LOCATIONS PRIOR TO SUBMITTING A BID.
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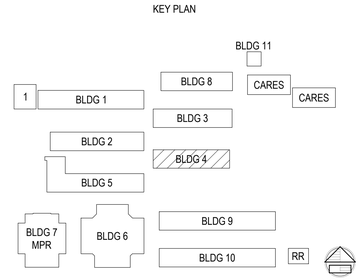
(#) DEMOLITION SHEET NOTES

1. REMOVE (E) SINK, PROTECT (E) UTILITIES IN WALL FOR CONNECTION TO NEW SINK.
2. REMOVE (E) RADIANT HEATER COMPLETE. CAP (E) HYDRONIC PIPING IN WALL OR BELOW FLOOR. PATCH WALL & SLAB / FLOOR TO MATCH FINAL FINISHES AS REQUIRED.
3. REMOVE (E) SINK COMPLETE. PROTECT (E) UTILITIES CONNECTIONS FOR EXTENSIONS / CONNECTION TO NEW SINK. PATCH WALL & SLAB / FLOOR AS REQUIRED TO MATCH FINAL FINISHES.
4. REMOVE (E) DRINKING FOUNTAIN COMPLETE. CAP (E) UTILITY PIPING IN WALL OR BELOW FLOOR. PATCH WALL & SLAB / FLOOR AS REQUIRED TO MATCH FINAL FINISHES.

(#) NEW SHEET NOTES

1. CONNECT SINK TO (E) PLUMBING CONNECTIONS, EXTEND PLUMBING AS REQUIRED.
2. CS-1 CLASSROOM SINKS SHALL HAVE NEW PIPES, TRAPS, & FITTINGS FROM THE WALL CONNECTIONS TO THE SINK.
3. US-1 UTILITY SINK SHALL HAVE NEW PIPES, TRAPS, & FITTINGS FROM THE WALL CONNECTIONS TO THE SINK.

KEY PLAN



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PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER — MEETIN SERTSI — No. M31059 — EXP. JUNE 30, 2025 — MECHANICAL — STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION
1	10-11-2024	DSA BACKCHECK

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 4 - DEMO & NEW FLOOR PLANS

INCREMENT 2

DRAWN BY: RR JOB NUMBER: 23120.01

SHEET NO.

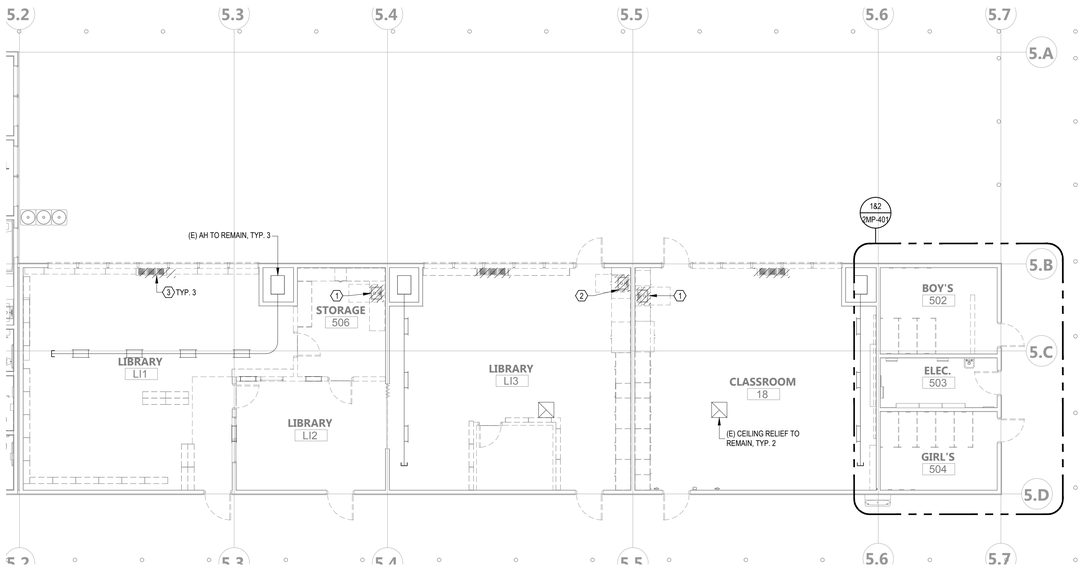
2MP-203

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

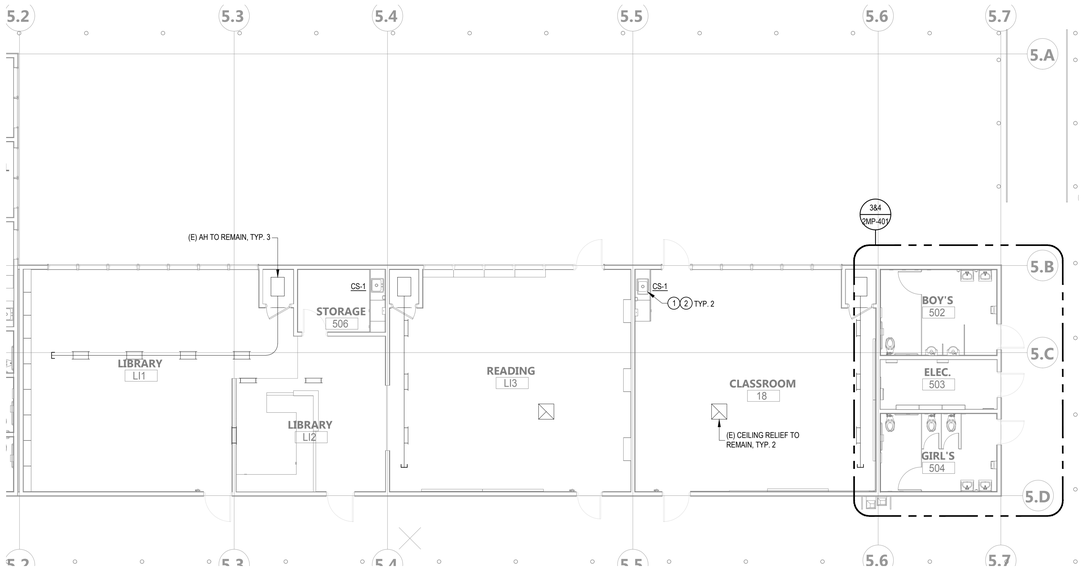
FILE LOCATION: E:\Shared Drives\HVAC\19-6 Nineteen Six\23147 - Mt Diablo ES Mod\03 Dwgs\MT Diablo ES Mod Inc 2.dwg

DATE PLOTTED: 10/11/2024 10:44 AM



1 2MP-204 BLDG 5 FLOOR PLAN - DEMO - MECHANICAL & PLUMBING

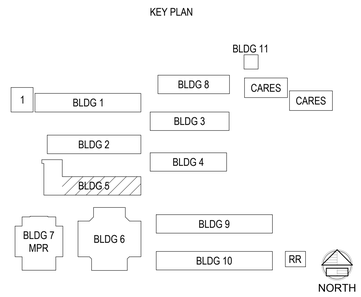
SCALE: 1/8" = 1'-0"



2 2MP-204 BLDG 5 FLOOR PLAN - NEW - MECHANICAL & PLUMBING

SCALE: 1/8" = 1'-0"

KEY PLAN



GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING AND NEW BUILDING STRUCTURES, SERVICES, AND OWNER'S PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION.
2. COORDINATE THE LOCATIONS OF ROOF/WALL OPENINGS, PENETRATIONS, DUCTWORK, PIPING, AND ALL MECHANICAL AND PLUMBING EQUIPMENT WITH RESPECT TO BUILDING STRUCTURE AND OTHER BUILDING SERVICES TO AVOID CONFLICT.
3. SEE ARCHITECT'S DRAWINGS FOR PATCHING AND REPAIR OF ROOF, WALL, AND FLOOR PENETRATIONS.
4. INFORMATION SHOWN IS BASED ON AVAILABLE AS-BUILTS AND THE LOCATION OF ALL EQUIPMENT, DUCTS, PENETRATIONS, PIPING, AND OTHER PROJECTIONS SHOWN ON THE PLANS IS APPROXIMATE. NOT ALL EXISTING ITEMS ARE IDENTIFIED OR SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS, INCLUDING ALL RELEVANT DIMENSION,S EQUIPMENT COUNTS, AND LOCATIONS PRIOR TO SUBMITTING A BID.
5. SEE PLANS AND SPECIFICATIONS FOR ALL OTHER DISCIPLINES FOR ADDITIONAL SCOPE OF WORK THAT MAY NOT BE SHOWN HERE. COORDINATE WITH GENERAL CONTRACTOR TO CONFIRM ENTIRE SCOPE OF WORK HAS BEEN INCLUDED.

(#) DEMOLITION SHEET NOTES

1. REMOVE (E) SINK, PROTECT (E) UTILITIES IN WALL FOR CONNECTION TO NEW SINK.
2. REMOVE (E) SINK COMPLETE. CAP (E) UTILITY PIPING IN WALL OR BELOW FLOOR. PATCH WALL & SLAB / FLOOR AS REQUIRED TO MATCH FINAL FINISHES.
3. REMOVE (E) RADIANT HEATER COMPLETE. CAP (E) HYDRONIC PIPING IN WALL OR BELOW FLOOR. PATCH WALL & SLAB / FLOOR AS REQUIRED TO MATCH FINAL FINISHES.

(#) NEW SHEET NOTES

1. CONNECT SINK TO (E) PLUMBING CONNECTIONS, EXTEND PLUMBING AS REQUIRED.
2. CS-1 CLASSROOM SINKS SHALL HAVE NEW PIPES, TRAPS, & FITTINGS FROM THE WALL CONNECTIONS TO THE SINK.

AGENCY APPROVAL DSA# 01-121407

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PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
METIN SERTYUNC
No. M31059
EXP. JUNE 30, 2025
MECHANICAL
STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION
1	10-11-2024	DSA BACKCHECK

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

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MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 5 - DEMO & NEW FLOOR PLANS

INCREMENT 2

DRAWN BY: RR JOB NUMBER: 23120.01

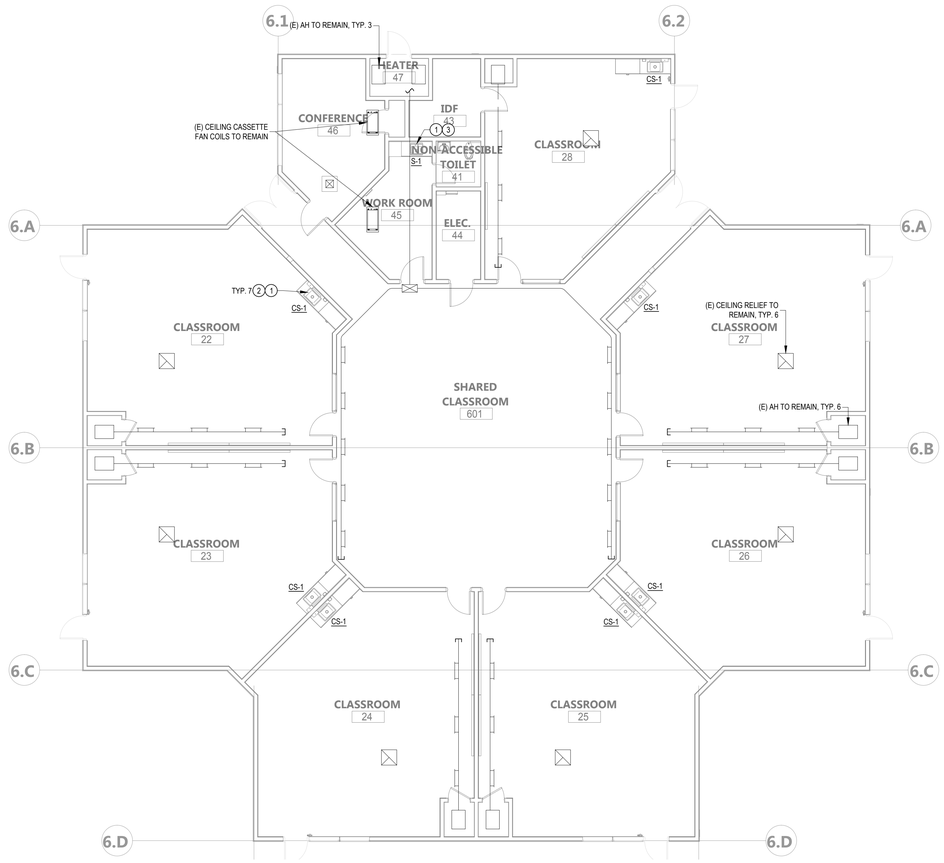
SHEET NO.

2MP-204

DATE: OCTOBER 09, 2024

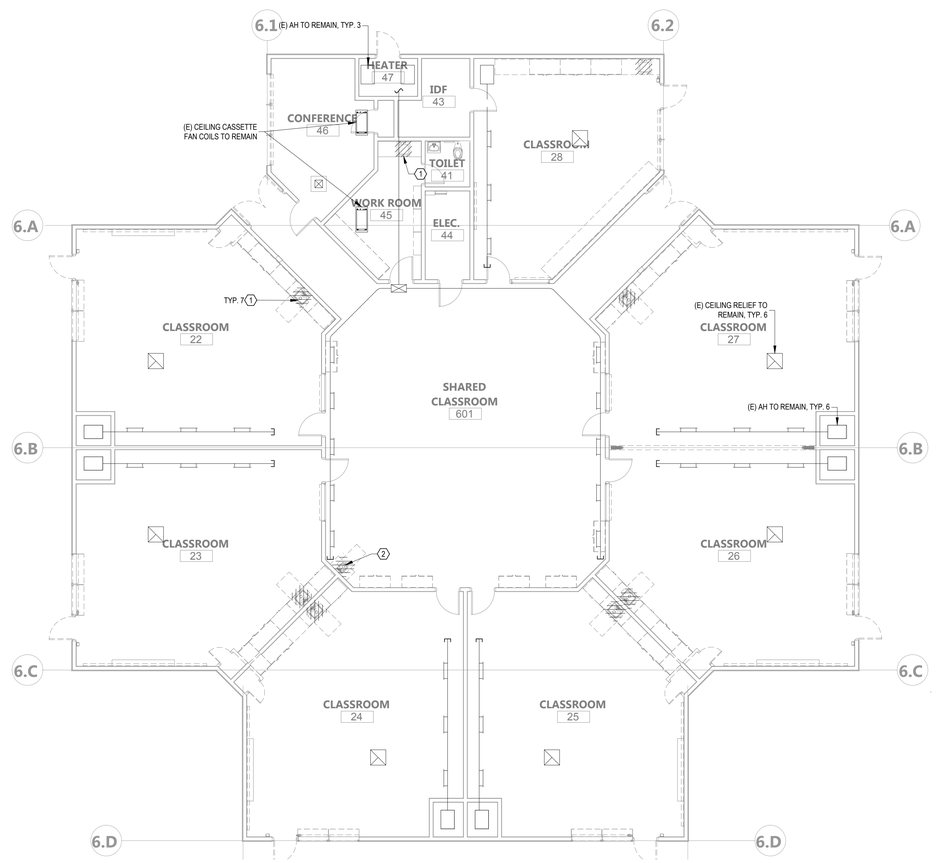
CONSTRUCTION DOCUMENT

DATE PLOTTED: 10/11/2024 10:44 AM FILE LOCATION: E:\Shared Drives\HVAC\19-6 Nineteen Six\23147 - Mt Diablo ES Mod\03 Dwgs\MT Diablo ES Mod Inc 2.dwg



2 2MP-205 BLDG 6 FLOOR PLAN - NEW - MECHANICAL & PLUMBING

SCALE: 1/8" = 1'-0"



1 2MP-205 BLDG 6 FLOOR PLAN - DEMO - MECHANICAL & PLUMBING

SCALE: 1/8" = 1'-0"

(#) NEW SHEET NOTES

1. CONNECT SINK TO (E) PLUMBING CONNECTIONS, EXTEND PLUMBING AS REQUIRED.
2. CS-1 CLASSROOM SINKS SHALL HAVE NEW PIPES, TRAPS, & FITTINGS FROM THE WALL CONNECTIONS TO THE SINK.
3. S-1 SINK SHALL HAVE NEW PIPES, TRAPS, & FITTINGS FROM THE WALL CONNECTIONS TO THE SINK.

(#) DEMOLITION SHEET NOTES

1. REMOVE (E) SINK, PROTECT (E) UTILITIES IN WALL FOR CONNECTION TO NEW SINK.
2. REMOVE (E) SINK COMPLETE. CAP (E) UTILITY PIPING IN WALL OR BELOW FLOOR. PATCH WALL & SLAB / FLOOR AS REQUIRED TO MATCH FINAL FINISHES.

GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING AND NEW BUILDING STRUCTURES, SERVICES, AND OWNER'S PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION.
2. COORDINATE THE LOCATIONS OF ROOF/WALL OPENINGS, PENETRATIONS, DUCTWORK, PIPING, AND ALL MECHANICAL AND PLUMBING EQUIPMENT WITH RESPECT TO BUILDING STRUCTURE AND OTHER BUILDING SERVICES TO AVOID CONFLICT.
3. SEE ARCHITECT'S DRAWINGS FOR PATCHING AND REPAIR OF ROOF, WALL, AND FLOOR PENETRATIONS.
4. INFORMATION SHOWN IS BASED ON AVAILABLE AS-BUILTS AND THE LOCATION OF ALL EQUIPMENT, DUCTS, PENETRATIONS, PIPING, AND OTHER PROJECTIONS SHOWN ON THE PLANS IS APPROXIMATE. NOT ALL EXISTING ITEMS ARE IDENTIFIED OR SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS, INCLUDING ALL RELEVANT DIMENSION,S EQUIPMENT COUNTS, AND LOCATIONS PRIOR TO SUBMITTING A BID.
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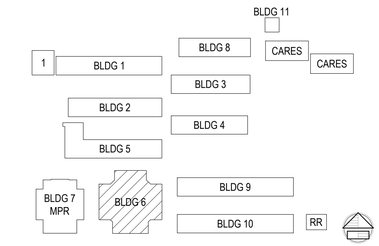
KEY PLAN



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PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
MEYIN SERT UNG
No. M31059
EXP. JUNE 30, 2025
MECHANICAL
STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION
#	10-11-2024	DSA BACKCHECK

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MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 6 - DEMO & NEW FLOOR PLANS

INCREMENT 2

DRAWN BY: RR JOB NUMBER: 23120.01

SHEET NO.

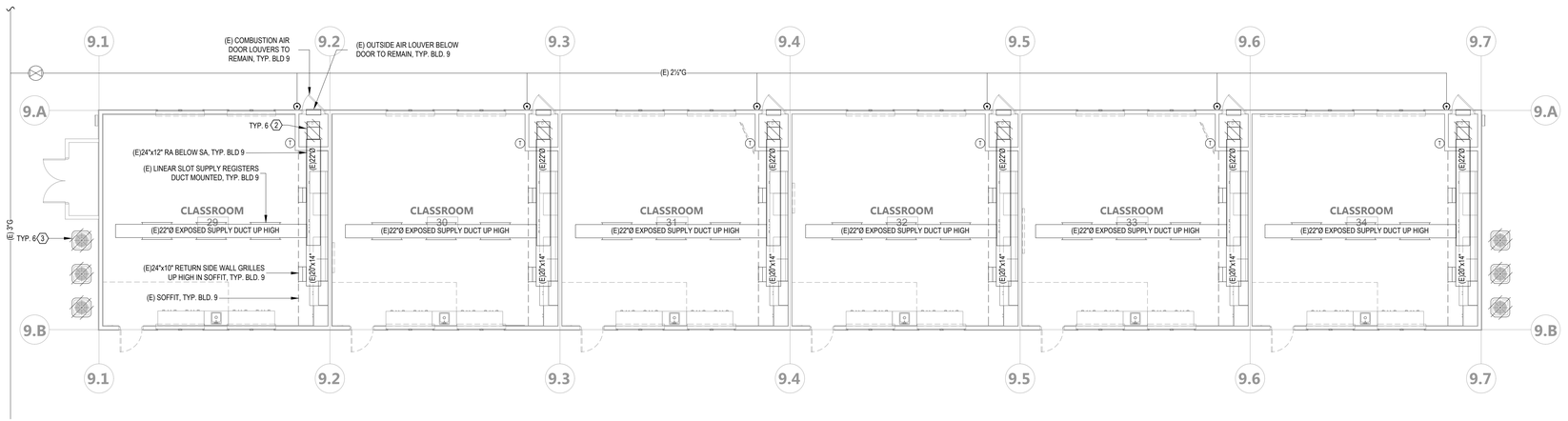
2MP-205

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

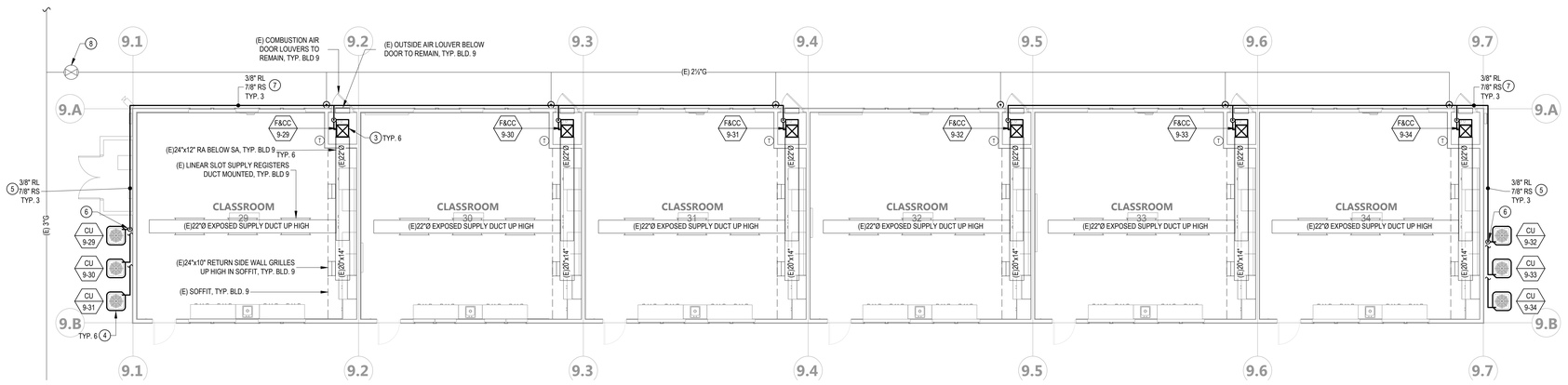
FILE LOCATION: E:\Shared Drives\HVAC\19-6 Nineteen Six\23147 - Mt Diablo ES Mod\03 Dwgs\MT Diablo ES Mod Inc 2.dwg

DATE PLOTTED: 10/11/2024 10:45 AM



1 / 2MP-206 BLDG 9 FLOOR PLAN - DEMO - MECHANICAL & PLUMBING

SCALE: 1/8" = 1'-0"



2 / 2MP-206 BLDG 9 FLOOR PLAN - NEW - MECHANICAL & PLUMBING

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING AND NEW BUILDING STRUCTURES, SERVICES, AND OWNER'S PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION.
2. COORDINATE THE LOCATIONS OF ROOF/WALL OPENINGS, PENETRATIONS, DUCTWORK, PIPING, AND ALL MECHANICAL AND PLUMBING EQUIPMENT WITH RESPECT TO BUILDING STRUCTURE AND OTHER BUILDING SERVICES TO AVOID CONFLICT.
3. SEE ARCHITECT'S DRAWINGS FOR PATCHING AND REPAIR OF ROOF, WALL, AND FLOOR PENETRATIONS.
4. INFORMATION SHOWN IS BASED ON AVAILABLE AS-BUILTS AND THE LOCATION OF ALL EQUIPMENT, DUCTS, PENETRATIONS, PIPING, AND OTHER PROJECTIONS SHOWN ON THE PLANS IS APPROXIMATE. NOT ALL EXISTING ITEMS ARE IDENTIFIED OR SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS, INCLUDING ALL RELEVANT DIMENSION,S EQUIPMENT COUNTS, AND LOCATIONS PRIOR TO SUBMITTING A BID.
5. SEE PLANS AND SPECIFICATIONS FOR ALL OTHER DISCIPLINES FOR ADDITIONAL SCOPE OF WORK THAT MAY NOT BE SHOWN HERE. COORDINATE WITH GENERAL CONTRACTOR TO CONFIRM ENTIRE SCOPE OF WORK HAS BEEN INCLUDED.

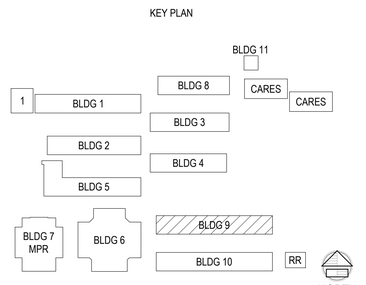
(#) DEMOLITION SHEET NOTES

1. NOTE # NOT USED.
2. REMOVE (E) FURNACE, COOLING COIL, & REFRIGERANT PIPING. (E) DUCTWORK CONNECTED TO THE FURNACE & COOLING COIL TO REMAIN.
3. REMOVE (E) CONDENSING UNIT & REFRIGERANT PIPING.

(#) NEW SHEET NOTES

1. NOTE # NOT USED.
2. NOTE # NOT USED.
3. INSTALL FURNACE & COOLING COIL IN (E) MECH. CLOSET W/ (E)RETURN PLENUM. ENSURE CORRECT UNIT ORIENTATION AND CONNECT COOLING COIL TO (E) SUPPLY DUCTWORK. FOR REFERENCE SEE DETAIL 1/2MP-601. RUN REFRIGERANT LINE SETS FROM CONDENSING UNITS TO COOLING COILS. PROVIDE NEW MERV 13 FILTERS.
4. INSTALL CONDENSING UNIT ON (E) HOUSE KEEPING PAD W/ (N) REFRIGERANT LINE SET TO COOLING COIL.
5. HORIZONTAL REFRIGERANT PIPES SUPPORTED TO EXTERIOR WALL, SEE DETAIL 5/2MP-601.
6. VERTICAL REFRIGERANT PIPES SUPPORTED TO EXTERIOR WALL, SEE DETAIL 4/2MP-601.
7. REFRIGERANT PIPES SUPPORTED TO ROOF OVERHANG, SEE DETAIL 3/2MP-601.
8. INSTALL SIGN MOUNTED ON BUILDING NEARBY LABELED "BUILDING GAS SHUT OFF VALVE IN UNDERGROUND VALVE BOX".

KEY PLAN



AGENCY APPROVAL DSA# 01-121407

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PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER — METIN SERT UYAR — No. M31059 — EXP. JUNE 30, 2025 — MECHANICAL — STATE OF CALIFORNIA

REVISIONS

#	NO.	DATE	DESCRIPTION
		10-11-2024	DSA BACKCHECK

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SHEET TITLE

BLDG 9 - DEMO & NEW FLOOR PLANS

INCREMENT 2

DRAWN BY: RR JOB NUMBER: 23120.01

SHEET NO.

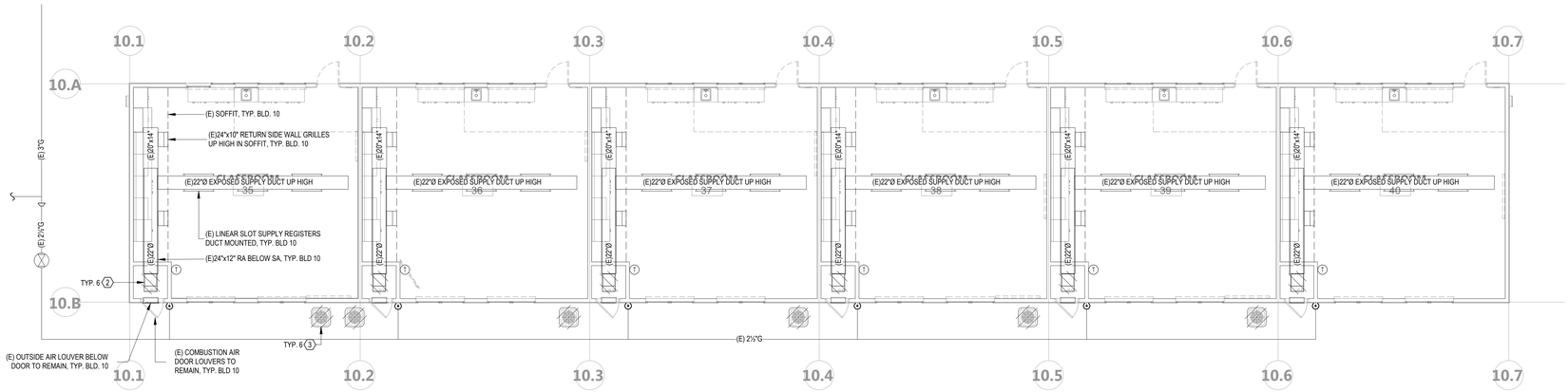
2MP-206

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

FILE LOCATION: E:\Shared Drives\HVAC\19-6 Nineteen Six\23147 - Mt Diablo ES Mod\03 Dwgs\MT Diablo ES Mod Inc 2.dwg

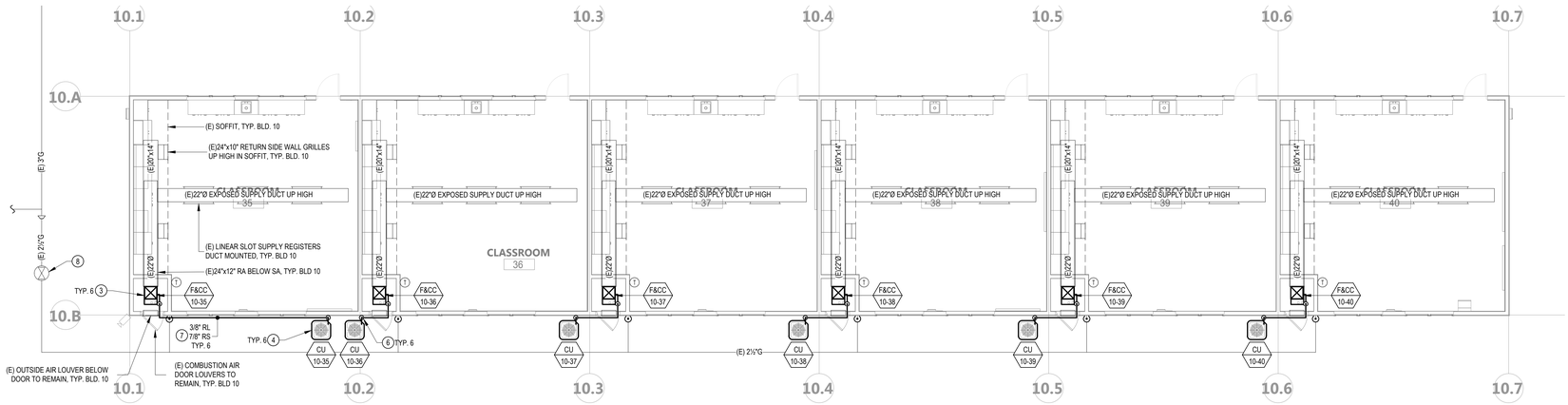
DATE PLOTTED: 10/11/2024 10:45 AM



1 2MP-207

BLDG 10 FLOOR PLAN - DEMO - MECHANICAL & PLUMBING

SCALE: 1/8" = 1'-0"



2 2MP-207

BLDG 10 FLOOR PLAN - NEW - MECHANICAL & PLUMBING

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING AND NEW BUILDING STRUCTURES, SERVICES, AND OWNER'S PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION.
2. COORDINATE THE LOCATIONS OF ROOF/WALL OPENINGS, PENETRATIONS, DUCTWORK, PIPING, AND ALL MECHANICAL AND PLUMBING EQUIPMENT WITH RESPECT TO BUILDING STRUCTURE AND OTHER BUILDING SERVICES TO AVOID CONFLICT.
3. SEE ARCHITECT'S DRAWINGS FOR PATCHING AND REPAIR OF ROOF, WALL, AND FLOOR PENETRATIONS.
4. INFORMATION SHOWN IS BASED ON AVAILABLE AS-BUILTS AND THE LOCATION OF ALL EQUIPMENT, DUCTS, PENETRATIONS, PIPING, AND OTHER PROJECTIONS SHOWN ON THE PLANS IS APPROXIMATE. NOT ALL EXISTING ITEMS ARE IDENTIFIED OR SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS, INCLUDING ALL RELEVANT DIMENSION,S EQUIPMENT COUNTS, AND LOCATIONS PRIOR TO SUBMITTING A BID.
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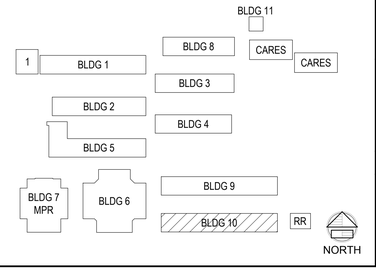
(#) DEMOLITION SHEET NOTES

1. NOTE # NOT USED.
2. REMOVE (E) FURNACE, COOLING COIL, & REFRIGERANT PIPING. (E) DUCTWORK CONNECTED TO THE FURNACE & COOLING COIL TO REMAIN.
3. REMOVE (E) CONDENSING UNIT & REFRIGERANT PIPING.

(#) NEW SHEET NOTES

1. NOTE # NOT USED.
2. NOTE # NOT USED.
3. INSTALL FURNACE & COOLING COIL IN (E) MECH. CLOSET W/ (E)RETURN PLENUM. ENSURE CORRECT UNIT ORIENTATION AND CONNECT COOLING COIL TO (E) SUPPLY DUCTWORK. FOR REFERENCE SEE DETAIL 1/2MP-601. RUN REFRIGERANT LINE SETS FROM CONDENSING UNITS TO COOLING COILS. PROVIDE NEW MERV 13 FILTERS.
4. INSTALL CONDENSING UNIT ON (E) HOUSE KEEPING PAD W/ (N) REFRIGERANT LINE SET TO COOLING COIL.
5. HORIZONTAL REFRIGERANT PIPES SUPPORTED TO EXTERIOR WALL, SEE DETAIL 5/2MP-601.
6. VERTICAL REFRIGERANT PIPES SUPPORTED TO EXTERIOR WALL, SEE DETAIL 4/2MP-601.
7. REFRIGERANT PIPES SUPPORTED TO ROOF OVERHANG, SEE DETAIL 3/2MP-601.
8. INSTALL SIGN MOUNTED ON BUILDING NEARBY LABELED "BUILDING GAS SHUT OFF VALVE IN UNDERGROUND VALVE BOX".

KEY PLAN



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REGISTERED PROFESSIONAL ENGINEER
MEYIN SERT LIM
No. M31059
EXP. JUNE 30, 2025
MECHANICAL
STATE OF CALIFORNIA

REVISIONS

#	NO.	DATE	DESCRIPTION
1		10-11-2024	DSA BACKCHECK

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PROJECT OWNER & TITLE
MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
BLDG 10 - DEMO & NEW FLOOR PLANS

INCREMENT 2

DRAWN BY: RR JOB NUMBER: 23120.01

SHEET NO.
2MP-207

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

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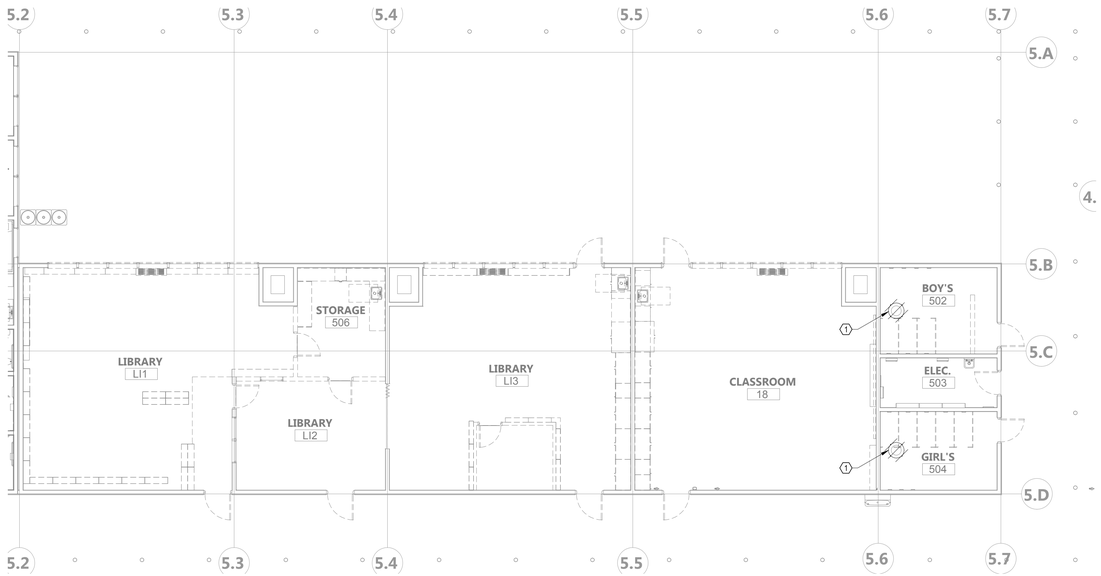


1 2MP-301 BLDG 5 ROOF PLAN - DEMO - MECHANICAL & PLUMBING

SCALE: 1/8" = 1'-0"



2 2MP-301 BLDG 5 ROOF PLAN - NEW - MECHANICAL & PLUMBING

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING AND NEW BUILDING STRUCTURES, SERVICES, AND OWNER'S PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION.
2. COORDINATE THE LOCATIONS OF ROOF/WALL OPENINGS, PENETRATIONS, DUCTWORK, PIPING, AND ALL MECHANICAL AND PLUMBING EQUIPMENT WITH RESPECT TO BUILDING STRUCTURE AND OTHER BUILDING SERVICES TO AVOID CONFLICT.
3. SEE ARCHITECT'S DRAWINGS FOR PATCHING AND REPAIR OF ROOF, WALL, AND FLOOR PENETRATIONS.
4. INFORMATION SHOWN IS BASED ON AVAILABLE AS-BUILTS AND THE LOCATION OF ALL EQUIPMENT, DUCTS, PENETRATIONS, PIPING, AND OTHER PROJECTIONS SHOWN ON THE PLANS IS APPROXIMATE. NOT ALL EXISTING ITEMS ARE IDENTIFIED OR SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS, INCLUDING ALL RELEVANT DIMENSION,S EQUIPMENT COUNTS, AND LOCATIONS PRIOR TO SUBMITTING A BID.
5. SEE PLANS AND SPECIFICATIONS FOR ALL OTHER DISCIPLINES FOR ADDITIONAL SCOPE OF WORK THAT MAY NOT BE SHOWN HERE. COORDINATE WITH GENERAL CONTRACTOR TO CONFIRM ENTIRE SCOPE OF WORK HAS BEEN INCLUDED.

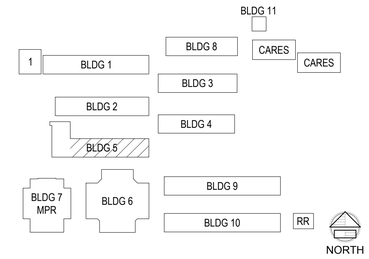
(E) DEMOLITION SHEET NOTES

1. REMOVE (E) ROOF EXHAUST FAN, EXHAUST DUCTS, & REGISTERS COMPLETE. (E) ROOF CURB TO REMAIN & BE REUSED FOR NEW ROOF EXHAUST FAN.

(E) NEW SHEET NOTES

1. INSTALL ROOF EXHAUST FAN W/ CURB CAP SIZED FOR (E) ROOF CURB.

KEY PLAN



AGENCY APPROVAL DSA# 01-121407

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CEG JOB NO: 23147

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SHEET TITLE

BLDG 5 - DEMO & NEW ROOF PLANS

INCREMENT 2

DRAWN BY: RR JOB NUMBER: 23120.01

SHEET NO.

2MP-301

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

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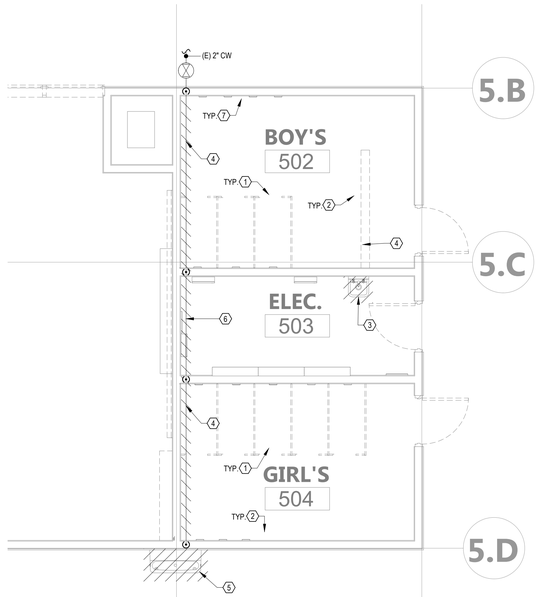
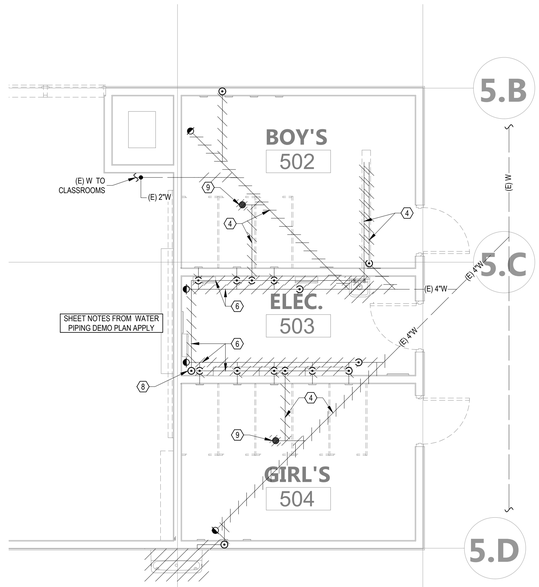


1 2MP-401

WATER PIPING
BLDG 5 RESTROOM PARTIAL DEMO PLAN

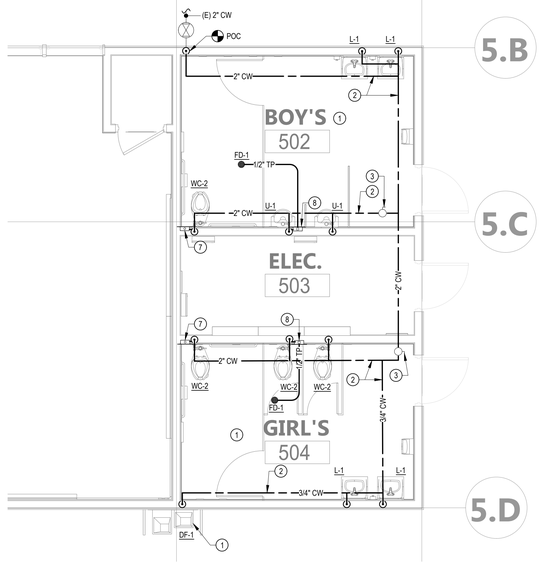
SCALE: 1/4" = 1'-0"



2 2MP-401

WASTE & VENT PIPING
BLDG 5 RESTROOM PARTIAL DEMO PLAN

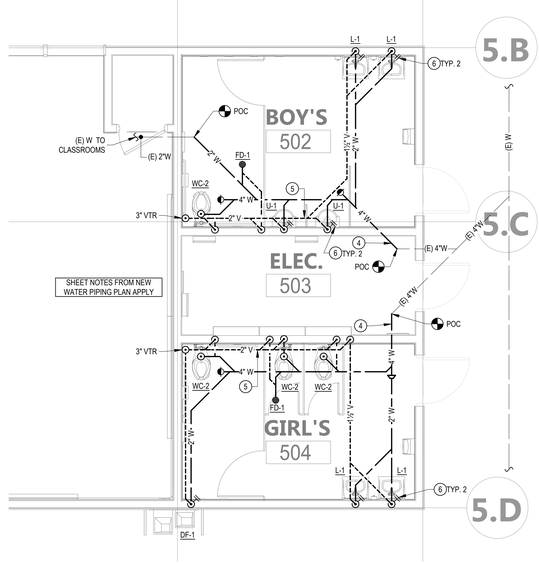
SCALE: 1/4" = 1'-0"



3 2MP-401

WATER PIPING
BLDG 5 RESTROOM PARTIAL NEW PLAN

SCALE: 1/4" = 1'-0"



4 2MP-401

WASTE & VENT PIPING
BLDG 5 RESTROOM PARTIAL NEW PLAN

SCALE: 1/4" = 1'-0"

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6. SAW CUT AND TRENCH THE EXISTING RESTROOM FLOORS WITHIN THE RESTROOMS AS REQUIRED TO INSTALL THE NEW WASTE, VENT, TRAP PRIMER LINES BELOW THE SLABS BACK TO THE POC'S. CHIP AND PATCH BACK (E) CONC. CURBS AS REQUIRED FOR (N) WASTE / VENT / TP CONNECTIONS IN (E) WALLS W/ CURBS. TRENCHING SHALL NOT DAMAGE ANY STRUCTURAL MEMBERS INCLUDING BUT NOT LIMITED TO THE SPREAD FOOTINGS, GRADE BEAMS, WALLS, ECT. TRENCHING SHALL NOT UNDERMINE (E) FOOTINGS. REFER TO ARCHITECT PLANS & DETAILS FOR FLOOR PATCHING & REPAIR WORK.
7. EXISTING SLAB SHALL BE DEMOLISHED AS REQUIRED FOR NEW WORK.
8. PROVIDE FLOOR CLEAN OUTS & WALL CLEANOUTS AS NEEDED FOR NEW PLUMBING FIXTURE LAYOUTS.
9. FOR VTR SEE DETAIL 6/2MP-601.
10. FOR FLOOR CLEAN OUTS SEE DETAIL 10/2MP-601.
11. FOR UTILITY PIPING THRU (E) FOOTERS & CURBS, REFER TO STRUCTURAL DETAILS INCLUDING 6/2S-501 & 9/2S-501. PROVIDE PIPE SLEEVES SIZED AS REQUIRED TO FIT UTILITY PIPE WITH IN IT.

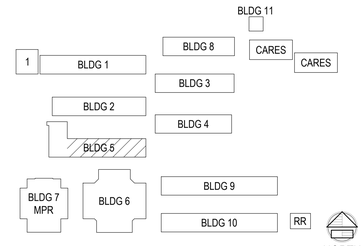
(#) DEMOLITION SHEET NOTES

1. REMOVE (E) FLOOR MOUNT WATER CLOSET COMPLETE.
2. REMOVE (E) LAVATORY & SUPPORTS COMPLETE.
3. REMOVE (E) UTILITY SINK & SUPPORTS COMPLETE. CAP UTILITIES CONCEALED IN WALL & UNDERGROUND. PATCH WALL & SLAB / FLOOR AS REQUIRED TO MATCH FINAL FINISHES.
4. REMOVE (E) UTILITY LINES & BRANCH LINES COMPLETE BACK TO POC. REFER TO NEW PLANS FOR POC'S.
5. REMOVE (E) DRINKING FOUNTAIN. PROTECT (E) UTILITIES IN WALL FOR CONNECTION TO NEW DRINKING FOUNTAIN.
6. REMOVE (E) UTILITY LINES & BRANCH LINES COMPLETE BACK TO POC. ALL (E) EXPOSED PLUMBING UTILITY PIPES WITHIN ELECTRICAL ROOM SHALL BE REMOVED. REFER TO NEW PLANS FOR POC'S.
7. REMOVE (E) URINAL & SUPPORTS COMPLETE.
8. REMOVE (E) VTR & VENT PIPING WITHIN THE ELECTRICAL ROOM. PATCH ROOF WEATHER TIGHT PER ROOF MANUFACTURER DIRECTIONS.
9. REMOVE (E) FLOOR DRAIN COMPLETE.

(#) NEW SHEET NOTES

1. INSTALL PLUMBING FIXTURES & CONNECT TO UTILITY CONNECTIONS, EXTEND (E) UTILITY PIPING AS REQUIRED. INSTALL SUPPORT CARRIERS AS SPECIFIED ON THE PLUMBING FIXTURE SCHEDULE.
2. INSTALL CW PIPING & BRANCHES OVERHEAD IN RESTROOM CEILING SPACE FROM POC TO PLUMBING FIXTURES.
3. INSTALL SOV W/ AP RISER.
4. INSTALL UNDERGROUND WASTE PIPING & BRANCHES FROM POC TO PLUMBING FIXTURES.
5. INSTALL VENT PIPING IN RESTROOM CEILING SPACE.
6. WALL CLEAN OUT, SEE DETAIL 9/2MP-601.
7. WHA IN WALL ACCESS PANEL, SEE DETAIL 7/2MP-601.
8. TP IN WALL ACCESS PANEL, SEE DETAIL 8/2MP-601.

KEY PLAN



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SHEET TITLE

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INCREMENT 2

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SHEET NO.

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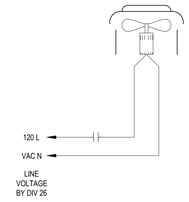
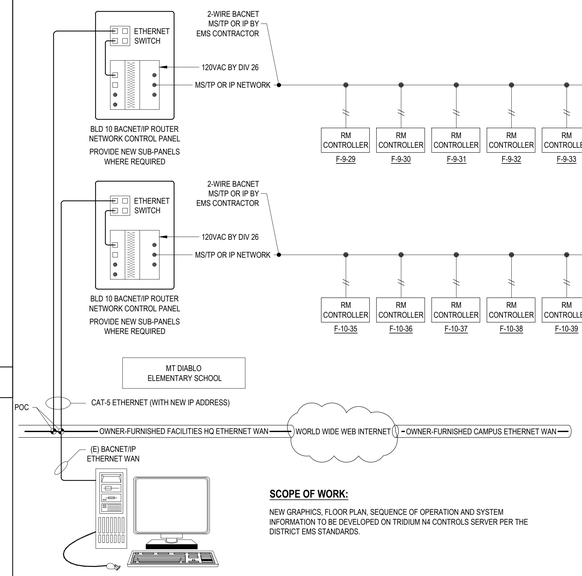
DATE PLOTTED: 10/11/2024 10:46 AM

SEQUENCE OF OPERATION

1. THE EXHAUST FAN SHALL BE HARD WIRED WITH THE ROOM LIGHTS AND OPERATE DURING NORMAL BUILDING OCCUPANCY HOURS.



3 EXHAUST FAN CONTROL SCHEMATIC



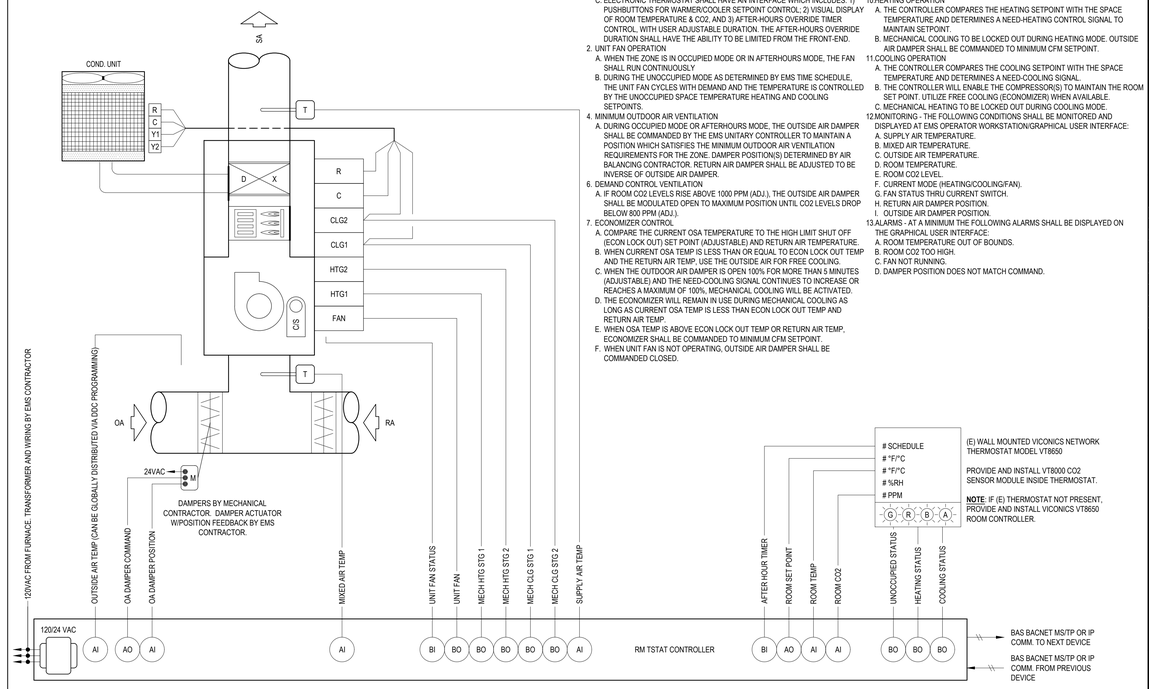
1 EMS SYSTEM ARCHITECTURE

SCOPE OF WORK:

NEW GRAPHICS, FLOOR PLAN, SEQUENCE OF OPERATION AND SYSTEM INFORMATION TO BE DEVELOPED ON TRIDIUM N4 CONTROLS SERVER PER THE DISTRICT EMS STANDARDS.

GENERAL NOTES

1. THE CONTROLS CONTRACTOR SHALL HAVE THE RESPONSIBILITY AS THE EXPERT IN THE PROPER APPLICATION OF CONTROL COMPONENTS AND DDC SYSTEMS. THE FINAL DESIGN, INSTALLATION, AND OPERATION OF THE CONTROL SYSTEM IS THE RESPONSIBILITY OF THE CONTROLS CONTRACTOR. CONTROLS CONTRACTOR SHALL VISIT THE SITE BEFORE BIDDING AND DETERMINE THE REQUIRED NUMBER OF CONTROL PANELS AND OPTIMAL LOCATION FOR EACH.
2. THE CONTROLS CONTRACTOR SHALL MAKE ADDITIONS AND/OR MODIFICATIONS TO THE DESIGN AS REQUIRED AT NO ADDITIONAL COST. CONTROLS CONTRACTOR SHALL WORK WITH THE MECHANICAL ENGINEER AND OBTAIN APPROVAL FOR ANY NECESSARY REVISIONS.
3. CONTROLS CONTRACTOR SHALL COORDINATE EXACT REQUIREMENT FOR CONTROL HARDWARE WITH ALL ASSOCIATED TRADES AND OWNER. REFER TO DRAWINGS FOR PRELIMINARY OPERATING SEQUENCES.
4. CONTROLS CONTRACTOR SHALL SUBMIT DETAILED SEQUENCES FOR ENGINEER'S REVIEW AND APPROVAL.
5. CONTROLS CONTRACTOR SHALL PROVIDE ALL CONTROLS, WIRING DIAGRAMS, "AS-BUILT" DRAWINGS, SYSTEM START-UP, AND PROGRAMMING.
6. CONTROLS CONTRACTOR TO WIRE COMMUNICATION BUS FROM NETWORK ROUTER TO ALL LOCAL BACNET CONTROLLERS.
7. CONTROLS CONTRACTOR TO PROVIDE THE NETWORK ROUTER, TEMPERATURE CONTROL PANELS, AND ALL LOCAL CONTROL PANELS FOR ALL EQUIPMENT AS REQUIRED.
8. CONTROLS CONTRACTOR TO PROVIDE ALL TEMPERATURE WIRING FOR ALL TEMPERATURE CONTROL WORK.
9. PROVIDE EMT CONDUIT AND JUNCTION BOXES FOR ALL TEMPERATURE CONTROL WORK RUNNING IN WALL SPACES.
10. PROVIDE RIGID CONDUIT FOR ALL EXTERIOR TEMPERATURE CONTROL WORK.
11. USE PLENUM RATED CABLE AND "J" HOOKS FOR ALL ABOVE CEILING AND FURRED SPACE TEMPERATURE CONTROL WORK.
12. ELECTRICAL CONTRACTOR TO PROVIDE ALL POWER WIRING FOR TEMPERATURE CONTROL PANELS AND LINE VOLTAGE THERMOSTATS. CONTROLS CONTRACTOR SHALL COORDINATE REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
13. MECHANICAL/CONTROLS CONTRACTOR TO COORDINATE WITH ELECTRICAL AND VERIFY CIRCUITS ARE CORRECT BEFORE WIRING CONTROLS.
14. MECHANICAL/CONTROLS CONTRACTOR TO PROVIDE ALL CONTROL COMPONENTS NECESSARY TO FULFILL THE DESIGN INTENT OF THE DRAWINGS.



2 FURNACE / CONDENSING UNIT CONTROL SCHEMATIC

SEQUENCE OF OPERATION

1. SYSTEM OVERVIEW
   A. EACH FURNACE / CONDENSING UNIT UNIT WILL BE DIRECTLY CONTROLLED BY ITS OWN DEDICATED EMS (ENERGY MANAGEMENT SYSTEM) UNITARY CONTROLLER.
   B. EMS UNITARY CONTROLLER WILL BE CONNECTED TO A WALL MOUNTED ELECTRONIC THERMOSTAT.
   C. ELECTRONIC THERMOSTAT SHALL HAVE AN INTERFACE WHICH INCLUDES: 1) PUSHBUTTONS FOR WARMER/COOLER SETPOINT CONTROL; 2) VISUAL DISPLAY OF ROOM TEMPERATURE & CO2. AND 3) AFTER-HOURS OVERRIDE TIMER CONTROL, WITH USER ADJUSTABLE DURATION. THE AFTER-HOURS OVERRIDE DURATION SHALL HAVE THE ABILITY TO BE LIMITED FROM THE FRONT-END.
2. UNIT FAN OPERATION
   A. WHEN THE ZONE IS IN OCCUPIED MODE OR IN AFTERHOURS MODE, THE FAN SHALL RUN CONTINUOUSLY
   B. DURING THE UNOCCUPIED MODE AS DETERMINED BY EMS TIME SCHEDULE, THE UNIT FAN CYCLES WITH DEMAND AND THE TEMPERATURE IS CONTROLLED BY THE UNOCCUPIED SPACE TEMPERATURE HEATING AND COOLING SETPOINTS.
4. MINIMUM OUTDOOR AIR VENTILATION
   A. DURING OCCUPIED MODE OR AFTERHOURS MODE, THE OUTSIDE AIR DAMPER SHALL BE COMMANDED BY THE EMS UNITARY CONTROLLER TO MAINTAIN A POSITION WHICH SATISFIES THE MINIMUM OUTDOOR AIR VENTILATION REQUIREMENTS FOR THE ZONE. DAMPER POSITION(S) DETERMINED BY AIR BALANCING CONTRACTOR. RETURN AIR DAMPER SHALL BE ADJUSTED TO BE INVERSE OF OUTSIDE AIR DAMPER.
6. DEMAND CONTROL VENTILATION
   A. IF ROOM CO2 LEVELS RISE ABOVE 1000 PPM (ADJ.), THE OUTSIDE AIR DAMPER SHALL BE MODULATED OPEN TO MAXIMUM POSITION UNTIL CO2 LEVELS DROP BELOW 800 PPM (ADJ.).
7. ECONOMIZER CONTROL
   A. COMPARE THE CURRENT OSA TEMPERATURE TO THE HIGH LIMIT SHUT OFF (ECON LOCK OUT) SET POINT (ADJUSTABLE) AND RETURN AIR TEMPERATURE.
   B. WHEN CURRENT OSA TEMP IS LESS THAN OR EQUAL TO ECON LOCK OUT TEMP AND THE RETURN AIR TEMP. USE THE OUTSIDE AIR FOR FREE COOLING.
   C. WHEN THE OUTDOOR AIR DAMPER IS OPEN 100% FOR MORE THAN 5 MINUTES (ADJUSTABLE) AND THE NEED-COOLING SIGNAL CONTINUES TO INCREASE OR REACHES A MAXIMUM OF 100%, MECHANICAL COOLING WILL BE ACTIVATED.
   D. THE ECONOMIZER WILL REMAIN IN USE DURING MECHANICAL COOLING AS LONG AS CURRENT OSA TEMP IS LESS THAN ECON LOCK OUT TEMP AND RETURN AIR TEMP.
   E. WHEN OSA TEMP IS ABOVE ECON LOCK OUT TEMP OR RETURN AIR TEMP, ECONOMIZER SHALL BE COMMANDED TO MINIMUM CFM SETPOINT.
   F. WHEN UNIT FAN IS NOT OPERATING, OUTSIDE AIR DAMPER SHALL BE COMMANDED CLOSED.
8. AUTOMATIC DEMAND REDUCTION CONTROLS
   A. EMS SHALL BE PROGRAMMED WITH CAPABILITY TO IMPLEMENT CENTRALIZED DEMAND SHED FOR ALL NON-CRITICAL ZONES UPON CALL FOR AUTOMATIC DEMAND REDUCTION. CRITICAL ZONES SHALL NOT BE IMPACTED BY DEMAND SHED CONSERVATION MEASURES.
9. ZONE PRE-OCCUPANCY PURGE
   A. THE EMS SHALL SCHEDULE THE ZONE TO BE IN OCCUPIED MODE ONE HOUR(ADJ.) PRIOR TO THE ACTUAL TIME OF ANTICIPATED OCCUPANCY.
10. HEATING OPERATION
   A. THE CONTROLLER COMPARES THE HEATING SETPOINT WITH THE SPACE TEMPERATURE AND DETERMINES A NEED-HEATING CONTROL SIGNAL TO MAINTAIN SETPOINT.
   B. MECHANICAL COOLING TO BE LOCKED OUT DURING HEATING MODE. OUTSIDE AIR DAMPER SHALL BE COMMANDED TO MINIMUM CFM SETPOINT.
11. COOLING OPERATION
   A. THE CONTROLLER COMPARES THE COOLING SETPOINT WITH THE SPACE TEMPERATURE AND DETERMINES A NEED-COOLING SIGNAL.
   B. THE CONTROLLER WILL ENABLE THE COMPRESSOR(S) TO MAINTAIN THE ROOM SET POINT. UTILIZE FREE COOLING (ECONOMIZER) WHEN AVAILABLE.
   C. MECHANICAL HEATING TO BE LOCKED OUT DURING COOLING MODE.
12. MONITORING - THE FOLLOWING CONDITIONS SHALL BE MONITORED AND DISPLAYED AT EMS OPERATOR WORKSTATION/GRAPHICAL USER INTERFACE:
   A. SUPPLY AIR TEMPERATURE.
   B. MIXED AIR TEMPERATURE.
   C. OUTSIDE AIR TEMPERATURE.
   D. ROOM TEMPERATURE.
   E. ROOM CO2 LEVEL.
   F. CURRENT MODE (HEATING/COOLING/FAN).
   G. FAN STATUS THRU CURRENT SWITCH.
   H. RETURN AIR DAMPER POSITION.
   I. OUTSIDE AIR DAMPER POSITION.
13. ALARMS - AT A MINIMUM THE FOLLOWING ALARMS SHALL BE DISPLAYED ON THE GRAPHICAL USER INTERFACE:
   A. ROOM TEMPERATURE OUT OF BOUNDS.
   B. ROOM CO2 TOO HIGH.
   C. FAN NOT RUNNING.
   D. DAMPER POSITION DOES NOT MATCH COMMAND.

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KMM Services Inc.
5433 El Camino Ave. Ste 5
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PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER — MEIN SERTTI — No. M31059 — EXP. JUNE 30, 2025 — MECHANICAL — STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION
1	10-11-2024	DSA BACKCHECK

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

CONTROLS - MECHANICAL

INCREMENT 2

DRAWN BY: RR JOB NUMBER: 23120.01

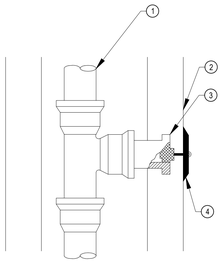
SHEET NO.

2MP-501

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

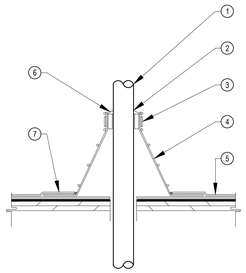
DATE PLOTTED: 10/11/2024 10:46 AM FILE LOCATION: E:\Shared Drives\HVAC\19-6 Nineteen Six\23147 - Mt Diablo ES Mod\03 Dwgs\MT Diablo ES Mod Inc 2.dwg



DETAIL NOTES:

1. VENT, SOIL,WASTE OR LEADER STACK
2. WALL
3. WALL CLEANOUT
4. WALL PLATE AS SPECIFIED

9 WALL CLEANOUT DETAIL N.T.S.



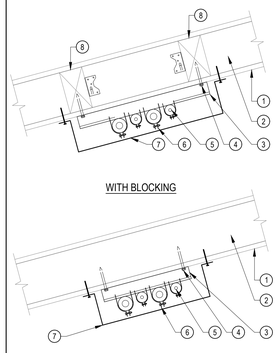
DETAIL NOTES:

1. PIPE. SEE DWGS FOR SIZE.
2. SEAL WATERTIGHT WITH MASTIC.
3. STAINLESS STEEL CLAMPING RING.
4. PRE-MOLDED PIPE FLASHING.
5. (E) ROOF. SEE ARCH DWGS.
6. PIPE SEAL MUST HAVE INTACT RIB AT TOP EDGE, REGARDLESS OF PIPE DIAMETER.
7. SEAL FLASHING WATERTIGHT TO ROOF PER ROOFING MANUFACTURER'S INSTRUCTIONS.

NOTE:

1. FIELD VERIFY ACTUAL ROOFING MATERIAL.

6 PIPE PENETRATION N.T.S.



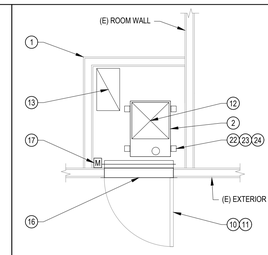
DETAIL NOTES:

1. (E) BUILDING EXTERIOR ROOF OVERHANG.
2. (E) BUILDING RAFTERS.
3. B-LINE B22 GALVANIZED STRUT CHANNEL.
4. ATTACH STRUT CHANNEL TO (E) ROOF RAFTERS OR BLOCKING WITH 1/4" LAG SCREWS W/ WASHERS BOTH ENDS OF STRUT, MIN. 2" PENETRATION. SEAL PENETRATIONS WATER TIGHT.
5. REFRIGERANT LINE SET PIPES.
6. B-LINE B2000 SERIES PIPE CLAMPS W/ B1999 VIBRA CUSHION, TYP.
7. COVER. SEE ARCHITECT DRAWINGS.
8. 4x4 BLOCKING W/ SIMPSON A34 EA SIDE & EA. END.

GENERAL NOTES:

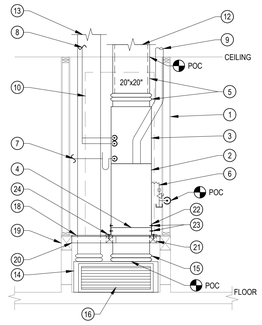
1. 4'-0" MAX. SPANS BETWEEN STRUT PIPE SUPPORTS, MIN. 2 SUPPORTS.

3 ROOF OVERHANG PIPE SUPPORT N.T.S.

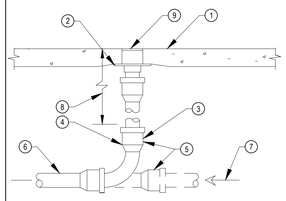


DETAIL NOTES:

1. (E) BUILDING FURNACE CLOSET.
2. FURNACE, SEE PLANS.
3. COOLING COIL, SEE PLANS.
4. 4" FILTER RACK W/ TOOL LESS HINGED ACCESS FOR 2" MERV 13 FILTERS.
5. INSTALL LINED SUPPLY DUCT W/ FLEX CONNECTION FROM COOLING COIL TO (E) SUPPLY DUCTWORK TO CLASSROOM. PROVIDE ALL NEW DUCTWORK IN FURNACE CLOSET.
6. PIPE GAS TO FURNACE W/ SHUT-OFF VALVE, FLEX CONNECTION, AND DIRT LEG.
7. RUN CONDENSATE DRAIN W/ TRAP TO (E) CD PIPING TO (E) DRYWELL. PROVIDE CD PUMP IF REQUIRED.
8. PIPE REFRIGERANT LINES TO CONDENSING UNIT OUTSIDE. SEE PLANS.
9. INSTALL TYPE B FLUE TO (E) ROOF TERMINATION. SIZE PER MANUFACTURER DIRECTIONS.
10. (E) EXTERIOR CLOSET DOOR.
11. (E) HIGH & LOW CA LOUVERS ON DOOR
12. SUPPLY DUCT.
13. (E) RETURN DUCT RISER FROM RETURN PLENUM TO (E) CEILING RETURN REGISTERS.
14. (E) DUCT RETURN PLENUM.
15. INSTALL RETURN DUCT W/ FLEX CONNECTION FROM FILTER BOX TO (E) RETURN DUCT PLENUM.
16. (E) OUTSIDE AIR LOUVER MOUNTED BELOW DOOR & CONNECTED TO (E) RETURN PLENUM.
17. INSTALL NEW MOTORIZED DAMPER AT THE (E) OUTSIDE AIR LOUVER. V.I.F. (E) LOUVER SIZE & MATCH MOTORIZED DAMPER ACCORDINGLY.
18. REMOVE (E) PLYWOOD PLATFORM & REPLACE W/ FIRE RETARDANT 3/4" PLYWOOD PLATFORM SECURED TO (E) SUPPORT FRAMING.
19. (E) 6x8 FRAMING.
20. INSTALL 4x4 FRAMING JOISTS UNDER FURNACE W/ HU44 CLIPS. ADJUST LOCATION TO FIT FURNACE AS REQUIRED.
21. INSTALL 4x4 FRAMING JOISTS W/ HU44 CLIPS BOTH SIDES CONNECTED TO FRAMING. ADJUST LOCATION TO FIT FURNACE & CLEAR OF RETURN AIR OPENING AS REQUIRED, TYP. 2.
22. L3"x6"x1/8" x 3"L GALV. STEEL ANGLE, TYP. (2) ON EACH SIDE.
23. SECURE ANGLE TO FILTER BOX & FURNACE W/ (2) #10 SM SCREWS EA. SEAL PENETRATIONS AIR TIGHT.
24. SECURE ANGLE TO 4x8 W/ 1/2"Ø x3"L LAG SCREWS & WASHERS.



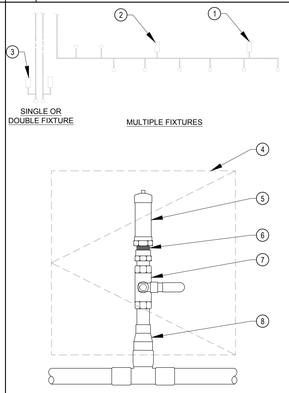
1 (E) MECHANICAL CLOSET ENCLOSURE W/ EXTERIOR ACCESS DOOR (BLD 9 & 10) N.T.S.



DETAIL NOTES:

1. (E) FLOOR SLAB ON GRADE
2. MEMBRANE CLAMP
3. LONG SWEEP ELBOW AT END OR TURN OF RUN
4. HUB AND SPIGOT CAST IRON PIPE BELOW FLOOR
5. COMBINED WYE AND EIGHT BEND IN RUN ENTER TOP OF PIPE.
6. SANITARY SEWER LINE
7. DIRECTION OF FLOW
8. AS REQUIRED DEPTH OF SEWER
9. ADJUSTABLE FLOOR GRATE. PROVIDE FINAL ADJUSTMENT AND GROUT FINISH AS REQUIRED AFTER FLOOR FINISHES ARE COMPLETE.

10 FLOOR CLEANOUT DETAIL N.T.S.



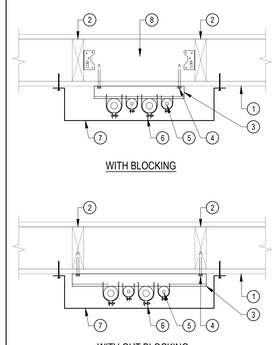
DETAIL NOTES:

1. INSTALL WATER HAMMER ARRESTOR JUST BEFORE LAST FIXTURE ON BRANCH LINE.
2. INSTALL AN ADDITIONAL WATER HAMMER ARRESTOR IF THE BRANCH LINE IS GREATER THAN 20' LONG.
3. INSTALL WATER HAMMER ARRESTOR ON ALL FIXTURES WITH QUICK CLOSING VALVES.
4. WALL ACCESS PANEL. LABEL PANEL "WATER HAMMER ARRESTOR" W/ PHENOLIC PLASTIC ENGRAVED LABEL.
5. WATTS SERIES 15 OR EQUAL WATER HAMMER ARRESTOR. SIZE PER MANUFACTURER'S INSTRUCTIONS.
6. FITTING ADAPTER.
7. BALL VALVE. SIZE TO EQUAL WATER HAMMER ARRESTOR SIZE.
8. FITTING REDUCER (IF REQUIRED).

NOTES:

1. COMBINE SHUT-OFF VALVES, TRAP PRIMERS AND WATER HAMMER ARRESTORS BEHIND SINGLE WALL ACCESS PANEL WHERE POSSIBLE.

7 WATER HAMMER ARRESTOR DETAIL N.T.S.



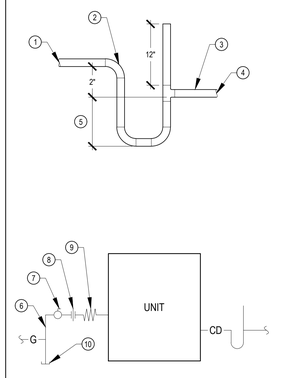
DETAIL NOTES:

1. (E) BUILDING EXTERIOR WALL.
2. (E) BUILDING STUDS.
3. B-LINE B22 GALVANIZED STRUT CHANNEL.
4. ATTACH STRUT CHANNEL TO (E) WALL STUDS OR BLOCKING WITH 1/4" LAG SCREWS W/ WASHERS BOTH ENDS OF STRUT, MIN. 2" PENETRATION. SEAL PENETRATIONS WATER TIGHT.
5. REFRIGERANT LINE SET PIPES.
6. B-LINE B2000 SERIES PIPE CLAMPS W/ B1999 VIBRA CUSHION, TYP.
7. COVER. SEE ARCHITECT DRAWINGS.
8. 4x4 BLOCKING W/ SIMPSON A34 T&B EA. END.

GENERAL NOTES:

1. 4'-0" MAX. SPANS BETWEEN STRUT PIPE SUPPORTS, MIN. 2 SUPPORTS.

4 VERTICAL PIPE SUPPORT TO WALL N.T.S.



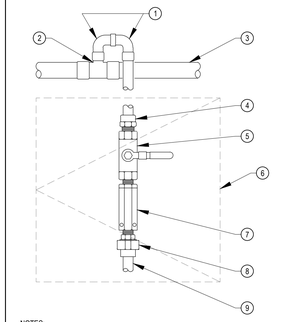
DETAIL NOTES:

1. CONNECT CD TO UNIT PER MANUFACTURER'S INSTALLATION REQUIREMENTS.
2. LONG RADIUS ELBOW, TYP.
3. PITCH MINIMUM 1/8" PER FOOT.
4. ROUTE TO POC. SEE PLANS.
5. UNIT TOTAL INCHES STATIC PRESSURE ±2".
6. NATURAL GAS PIPE.
7. GAS SHUTOFF VALVE TYP AT EACH UNIT.
8. UNION.
9. FLEXIBLE CONNECTOR.
10. DIRT LEG.

NOTES:

1. CD PIPE SIZE SHALL NOT BE SMALLER THAN UNIT DRAIN CONNECTION SIZE.
2. FOR PIPE SIZES AND LOCATIONS, SEE PLANS.

11 GAS AND CONDENSATE DRAIN CONNECTION TO EQUIPMENT N.T.S.



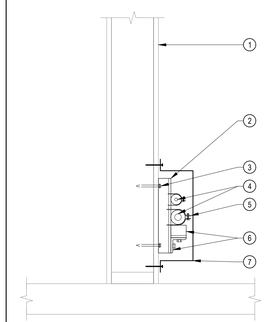
DETAIL NOTES:

1. 1/2" 90° STREET ELLS OFF TOP OF CW SUPPLY LINE TO PREVENT DEBRIS FROM ENTERING TRAP PRIMER.
2. TEE.
3. CW SUPPLY LINE.
4. ADAPTER.
5. 1/2" BALL VALVE.
6. WALL ACCESS PANEL.
7. TRAP PRIMER WITH INTEGRAL BACKFLOW PREVENTER AND VACUUM BREAKER. PPP PR-500 PRIME-RITE OR EQUAL. MOUNT TRAP PRIMER MIN 12" AFF FOR EVERY 20' OF PRIMER LINE.
8. UNION.
9. RUN 1/2" CW DOWN TO BELOW GRADE. THEN EXTEND TO FLOOR DRAIN.

NOTES:

1. UP TO FOUR (4) FLOOR DRAINS MAY BE SERVED BY ONE (1) TRAP PRIMER. INSTALL DISTRIBUTION UNIT PPP SERIES "DU" OR EQUAL, DOWNSTREAM OF UNION. DISTRIBUTION UNIT TO ALSO BE ACCESSIBLE FROM WALL ACCESS PANEL.
2. COMBINE SHUT-OFF VALVES, TRAP PRIMERS AND WATER HAMMER ARRESTORS BEHIND SINGLE WALL ACCESS PANEL WHERE POSSIBLE.

8 TRAP PRIMER N.T.S.



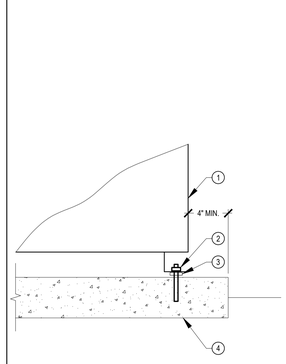
DETAIL NOTES:

1. (E) BUILDING EXTERIOR WALL.
2. B-LINE B22 GALVANIZED STRUT CHANNEL.
3. ATTACH STRUT CHANNEL TO (E) WALL STUDS WITH 1/4" LAG SCREWS W/ WASHERS BOTH ENDS OF STRUT, MIN. 2" PENETRATION. SEAL PENETRATIONS WATER TIGHT.
4. RERRIGERANT LINE SET PIPES.
5. B-LINE B2000 SERIES PIPE CLAMPS W/ B1999 VIBRA CUSHION, TYP.
6. B-LINE B22 BOLTED 90° W/ B231 CLIP TO SUPPORT PIPES FROM SLIDING DOWN.
7. COVER. SEE ARCHITECT DRAWINGS.

GENERAL NOTES:

1. 4'-0" MAX. SPANS BETWEEN STRUT PIPE SUPPORTS.

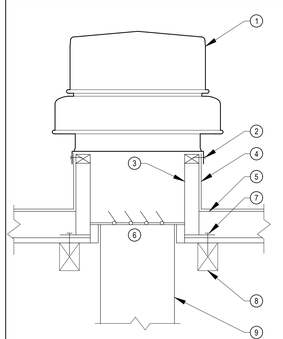
5 HORIZONTAL PIPE SUPPORT TO WALL N.T.S.



DETAIL NOTES:

1. HEAT PUMP/CONDENSING UNIT, FOR LOCATION, SEE PLANS. ENSURE UNIT IS LEVEL.
2. PRE-INSTALLED 3/8"Ø SS HILTI KWIK BOLT TZ2 WEDGE ANCHOR. MINIMUM 2" EMBEDMENT. TYP OF 4.
3. 3/4" THICK NEOPRENE ISOLATOR PAD, TYP. OF 4.
4. (E) CONCRETE HOUSEKEEPING PAD. SEE S/2S-501.

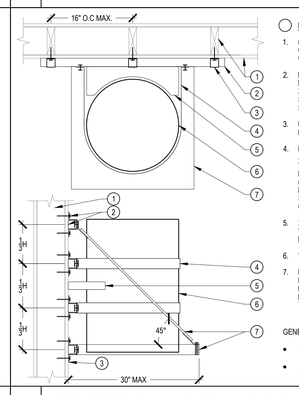
2 SPLIT SYSTEM HEAT PUMP/CONDENSING UNIT MOUNTING ON SLAB N.T.S.



DETAIL NOTES:

1. EXHAUST FAN.
2. SECURE TO ROOF CURB WITH #12 SELF TAPPING SCREWS AT 12" ON CENTER. MINIMUM 2 PER SIDE.
3. FACTORY CURB WITH NAILER.
4. FOR ROOFING AND FLASHING, SEE ARCHITECT'S DRAWINGS.
5. ROOF DECK.
6. BACKDRAFT DAMPER.
7. 3/8"Ø BOLT THRU CURB AND ROOF WITH 3" MINIMUM EMBEDMENT INTO BLOCKING.
8. 4x BLOCKING. SECURE TO STRUCTURE WITH SIMPSON HU44 HANGERS EACH END.
9. DUCT SIZE PER PLANS.

12 EXHAUST FAN MOUNTING N.T.S.



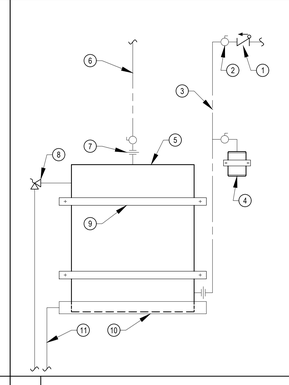
DETAIL NOTES:

1. (E)WALL W/ 2x WOOD STUDS @ 16" MAX. O.C. SEE ARCHITECT DRAWINGS & VERIFY CONDITIONS.
2. B-LINE B22 OR EQUAL STRUT CHANNEL MIN. 36"L. ATTACH TO WALL WITH 3/8"Ø x2-½" LAG BOLTS W/ WASHERS (6) PER STRUT THRU TOP & BOTTOM OF U-STYLE STRUT BRACKETS AND INTO STUDS.
3. U-STYLE STRUT BRACKETS UNISTRUT P1047 OR EQUAL.
4. HOLDRITE SEISMIC RESTRAINT STRAP, ATTACH TO STRUTS WITH 1/2"Ø BOLTS, WASHERS AND CHANNEL NUTS, TYPICAL PER CPC 2022 507.2: AT UPPER ONE THIRD (1/3) AND LOWER ONE-THIRD (1/3). A MINIMUM DISTANCE OF FOUR (4) INCHES SHALL BE MAINTAINED ABOVE THE CONTROLS WITH THE STRAPPING.
5. 2x6 CHOCK BLOCK, CUT TO RADIUS OF WATER HEATER & MOUNT @ 1/2 WATER HEATER HEIGHT.
6. WATER HEATER.
7. HOLDRITE 30-SWHP-WM WALL HUNG PLATFORM WITH DRAIN PAN & SUPPORT RODS. ATTACH TO STRUTS WITH 1/2" Ø BOLTS, WASHERS, AND CHANNEL NUTS, TYPICAL.

GENERAL NOTES:

- MAX WEIGHT = 250 LBS
- SEE HOLDRITE MOUNTING INSTRUCTIONS FOR FURTHER DETAIL

13 WATER HEATER FINISH WALL MOUNTING (WOOD STUD) N.T.S.



DETAIL NOTES:

1. CHECK VALVE, TYPICAL.
2. BALL VALVE, TYPICAL.
3. COLD WATER, SEE PLANS.
4. EXPANSION TANK AMTROL ST-5C-DD OR EQUAL. SECURE TO WALL WITH SEISMIC RESTRAINT STRAP.
5. WATER HEATER.
6. HOT WATER TO MOP SINK, SEE PLANS.
7. UNION, TYPICAL.
8. TEMPERATURE AND PRESSURE RELIEF. DRAIN FULL SIZE TO MOP SINK.
9. HOLDRITE SEISMIC RESTRAINT STRAP. PER CPC 2022 507.2: AT UPPER ONE THIRD (1/3) AND LOWER ONE-THIRD (1/3). A MINIMUM DISTANCE OF FOUR (4) INCHES SHALL BE MAINTAINED ABOVE THE CONTROLS WITH THE STRAPPING.
10. HOLDRITE WALL HUNG PLATFORM WITH DRAIN PAN.
11. 1" DRAIN, RUN TO MOP SINK.

14 WATER HEATER PIPING N.T.S.

AGENCY APPROVAL DSA# 01-121407

196

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CEG JOB NO: 23147

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HVAC. Plumbing. Fire Protection
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PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER — MEGHAN SERAFINI — No. M31059 — EXP. JUNE 30, 2025 — MECHANICAL — STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION
1	10-11-2024	DSA BACKCHECK

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

DETAILS - MECHANICAL & PLUMBING

INCREMENT 2

DRAWN BY: RR JOB NUMBER: 23120.01

SHEET NO.

2MP-601

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

FILE LOCATION: E:\Shared Drives\HVAC\19-6 Nineteen Six\23147 - Mt Diablo ES Mod\03 Dwgs\MT Diablo ES Mod Inc 2.dwg

DATE PLOTTED: 10/11/2024 10:46 AM

STATE OF CALIFORNIA
Mechanical Systems
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — **NRCC-MCH-E**

This document is used to demonstrate compliance for mechanical systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, or 141.0(b)2 for alterations.

Project Name: Mt Diablo ES Inc 2 — **Report Page:** (Page 1 of 11)
Project Address: — **Date Prepared:** 2024-07-11T19:15:50-04:00

A. GENERAL INFORMATION

01	Project Location (city)	Clayton	04	Total Conditioned Floor Area	893
02	Climate Zone	12	05	Total Unconditioned Floor Area	0
03	Occupancy Types Within Project:		06	# of Stories (Habitable Above Grade)	1

● School or Classroom

B. PROJECT SCOPE

This table Includes mechanical systems or components that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, 170.2(b) or 141.0(b)2 and 180.2(b)2 for alterations.

01 Air System(s)	02 Wet System Components	03 Dry System Components
☒ Heating Air System	☐ Water Economizer	☒ Air Economizer
☒ Cooling Air System	☐ Pumps	☐ Electric Resistance Heat
Mechanical Controls	☐ System Piping	☒ Fan Systems
☒ Mechanical Controls (existing to remain, altered or new)	☐ Cooling Towers	☒ Ductwork (existing to remain, altered or new)
	☐ Chillers	☒ Ventilation
	☐ Boilers	☐ Zonal Systems/ Terminal Boxes

Generated Date/Time:
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance — Report Version: 2022.0.000 — Schema Version: rev 20220101 — Compliance ID: 211757-0724-0002 — Report Generated: 2024-07-11 16:15:56 — Documentation Software: Energy Code Ace

STATE OF CALIFORNIA
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CERTIFICATE OF COMPLIANCE — **NRCC-MCH-E**
Project Name: Mt Diablo ES Inc 2 — **Report Page:** (Page 2 of 11)
Date Prepared: 2024-07-11T19:15:50-04:00

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. 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		05		06		07		08	09
System Summary 110.1, 110.2, 140.4, 170.2(c)	AND	Pumps 140.4(k), 170.2(c)4I	AND	Fans/ Economizers 140.4(c), 140.4(e), 170.2(c)	AND	System Controls 110.2, 120.2, 140.4(f), 170.2(c)	AND	Ventilation 120.1, 160.2	AND	Terminal Box Controls 140.4(d), 170.2(c)4B	AND	Distribution 120.3, 140.4(l), 160.2, 160.3	AND	Cooling Towers 110.2(e)2	Compliance Results
(See Table F)		(See Table G)		(See Table H)		(See Table I)		(See Table J)		(See Table K)		(See Table L)		(See Table M)	
Yes	AND		AND	Yes	AND	Yes	AND	Yes	AND		AND	Yes	AND		COMPLIES with Exceptional Conditions
Mandatory Measures Compliance (See Table Q 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.

Transfer air is being used in at least one zone to meet minimum ventilation requirements. See Table J for details. Transfer air must be designed per §120.1(e) for air classification and recirculation limitations and be documented within construction documents.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

Space Conditioning System Information

01 System Name	02 Quantity	03 System Serving	04 System Status	05 Space Type	06 Utilizing Recovered Heat
CU-9 or 10-#	12	Single zone	Alteration		☐

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F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

Space Conditioning System Information

01 System Name	02 Quantity	03 System Serving	04 System Status	05 Space Type	06 Utilizing Recovered Heat
F-9 or 10-#	12	Single zone	Alteration		☐

Dry System Equipment Sizing (includes air conditioners, condensers, heat pumps, VRF, furnaces and unit heaters and DOAS systems)

01	02	03	04	05	06	07	08	09	10	11
				Equipment Sizing per Mechanical Schedule (kBtu/h) 140.4(a&b), 170.2(c)1 & 170.2(c)2						
				Heating Output[2,3]			Cooling Output[2,3]		Load Calculations[3,4]	
Name or Item Tag	Equipment Category per Tables 110.2, 140.4(a)2 and 170.2(c)3ai	Equipment Type per Tables 110.2 and Title 20	Smallest Size Available[1] 140.4(a) and 170.2(c)1	Per Design (kBtu/h)	Rated (kBtu/h)	Supp. Heating Output (kBtu/h)	Sensible Per Design (kBtu/h)	Rated (kBtu/h)	Total Heating Load (kBtu/h)	Total Sensible Cooling Load (kBtu/h)
CU-9 or 10-#	Unitary AC/ Condensers	AC, air cooled, split (3 phase)	NA: Altered per 141.0(b)2I and 180.2(b)2				34.45	34.45		36
F-9 or 10-#	Furnace/ Unit Heater	Warm-air duct furnace, gas-fired	NA: Altered per 141.0(b)2I and 180.2(b)2	88	88	0			88	

[1] *FOOTNOTES: Equipment shall be the smallest size, within the available options of the desired equipment line, necessary to meet the design heating and cooling loads of the building per 140.4(n) and 170.2(c)1. Healthcare facilities are exempted.*
[2] *It is common practice to show rated output capacity on the equipment schedule. Sensible cooling output comes from specification sheet tables.*
[3] *If equipment is heating only, leave cooling output and load blank. If equipment is cooling only, leave heating output and load blank.*
[4] *Authority Having Jurisdiction may ask for load calculations used for compliance per 140.4(b) and 170.2(c).*

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F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

Dry System Equipment Efficiency (other than Package Terminal Air Conditioners (PTAC) and Package Terminal Heat Pumps (PTHP), DX-DOAS and Dual Fuel Heat Pumps)

01	02	03	04	05	06	07	08	09
		Heating Mode					Cooling Mode	
Name or Item Tag	Size Category (Btu/h)	Rating Condition (°F)	Efficiency Unit	Minimum Efficiency Required per Tables 110.2 / Title 20	Design Efficiency	Efficiency Unit	Minimum Efficiency Required per Tables 110.2 / Title 20	Design Efficiency
CU-9 or 10-#	<65,000					SEER	13	13
F-9 or 10-#			Combustion Efficiency	0.8	0.8			

G. PUMPS

This section does not apply to this project.

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H. FAN SYSTEMS & AIR ECONOMIZERS

This table is used to demonstrate compliance with prescriptive requirements found in 140.4(c), 140.4(e), 140.4(m), 170.2(c)3, and 170.2(c)4A for fan systems. Fan systems serving only process loads are exempt from these requirements and do not need to be included in Table H.

System Name	F-9 or 10-#	Quantity	12	Fan System Status	Alteration	System Zoning	all other systems	Serving Dwelling Units	Not Serving Dwelling Units	Fan System Airflow (cfm)	1,260	Site Elevation	71	Economizer	Fixed Temperature
01	02	03	04			05		06	07	08	09			10	11
									Allowance		Design				
Fan Name or Item Tag	Fan Type	Qty	Component			Airflow through Component (%)		Water Gauge (w.g)	Component Allowance	Fan Allowance (watt/cfm)[3]	Design Electrical Input Power Method			Motor Nameplate Horsepower	Design Electrical Input Power (kW)
F-9 or 10-#	Supply	1	Gas heat			100			0.05	0.4372	Manufacturer provided				0.76
			MERV 13-16 Filter downstream of thermal conditioning equipment			100			0.23						
			Supply Fan System			100			0.13						
			Economizer Return Damper			20			0.04						
Supply Fan Base Allowance (kW)			Exhaust/Return/Relief/Transfer Fan Base Allowance(kW)						Fan System Allowance (kW)[5]			Fan System Electrical Output (kW)			0.76

[1] *FOOTNOTES: Fans serving spaces with design background noise goals below NC35*
[2] *Low-turndown single-zone VAV fan system must be capable of and configured to reduce airflow to 50 percent of design airflow and use no more than 30 percent of the design wattage at that airflow. No more than 10 percent of the design load served by the equipment shall have fixed loads.*
[3] *Fan system allowance includes fan system base allowance.*
[4] *Filter pressure loss can only be counted once per fan system.*
[5] *Complex Fan System means a fan system that combines a single cabinet fan system with other supply fans, exhaust fans, or both.*
[6] *Computer room economizers must meet requirements of 140.9(a) and will be documented on the NRCC-PRC-E document..*

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H. EXHAUST AIR HEAT RECOVERY 140.4(q), 170.2(c)4O

01 Fan System Name	02 Qty	03 Hours of Operation per Year	04 Design Supply Airflow Rate	05 Outdoor Airflow	06 % Outdoor Air at Full Design Airflow	07 Exemptions to Exhaust Air Heat Recovery Requirement per 140.4(q) & 170.2(c)4O	08 Exhaust Air Heat Recovery 140.4(q) & 170.2(c)4O	09 Type Of Heat Recovery Rating	10 Required Recovery Ratio	11 Energy Recovery Bypass
F-9 or 10-#			1,260	200	0.16	NA: Total airflow exhausted and relieved within 20ft <75% per Exception 6 to 140.4(q)				

Fan Energy Index (FEI)

01 Name or Item Tag	02 FEI Exception	03 FEI
F-9 or 10-#	Altered Fan System	

I. SYSTEM CONTROLS

This table is used to demonstrate compliance with mandatory controls in 110.2 and 120.2 and prescriptive controls in 140.4(f) and (n), 170.2(c)4D 170.2(c)4L or requirements in 141.0(b)2E 180.2(b)2 for altered space conditioning systems.

01 System Name	02 System Zoning	03 Conditioned Floor Area Being Served (ft²)	04 Thermostats 110.2(b) & (c)[1], 120.2(a) 160.3(a)2A or 141.0(b)2E & 180.2(b)2	05 Shut-Off Controls 120.2(e) & 160.3(a)2D	06 Isolation Zone Controls 120.2(g) & 160.3(a)2F	07 Demand Response 110.12 120.2(b) & 160.3(a)2B	08 Supply Air Temp. Reset 140.4(f) & 170.2(c)4D	09 Window Interlocks per 140.4(n) & 170.2(c)4D	10 Direct Digital Control (DDC) per 120.2
F-9 or 10-#	Single zone	NA: Altered per 141.0(b)2E	Setback	NA: Altered per 141.0(b)2E	NA: Single Zone	DR Total per 110.12	NA: Alteration	NA: Alteration Project	NA: Single Zone

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I. SYSTEM CONTROLS

[1] *FOOTNOTES: Gravity gas wall heaters, gravity floor heaters, gravity room heaters, non-central electric heaters, fireplaces or decorative gas appliances, wood stoves are not required to have setback thermostats.*

J. VENTILATION AND INDOOR AIR QUALITY

This table is used to demonstrate compliance with mandatory ventilation requirements in 120.1 120.2(e)3& 140.4(p) and 140.4(a) for all nonresidential and hotel/motel and d124refpoink/[160.2, 160.3(a)3, 170.2(c)4N, 170.2(e)4O for high-rise residential occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflows may be shown on the plans or the calculations can be presented in a spreadsheet.

01	☐	Check the box if the project is showing ventilation calculations on the plans, or attaching the calculations instead of completing this table.
02	☒	Check this box if the project included Nonresidential, Hotel/Motel Spaces or Multifamily Common Use Spaces
	☐	
03	☐	Check the box if the project is using natural ventilation in any nonresidential or hotel/motel spaces to meet required ventilation rates per 120.1(c)2.

Nonresidential and Hotel/ Motel Multifamily Common Use Ventilation Systems

04		05			06			07	
System Name	F-9 or 10-#	System Design OA CFM Airflow[1]		200	System Design Transfer Air CFM		1260	Air Filtration per 120.1(c) 141.0(b)2 and 160.2(c)21[2]	
								Provided	
08	09	10	11	12	13	14	15	16	
Space Name or Item Tag	Mechanical Ventilation Required per 120.1(c)3[3] & 160.2(c)3					Exh. Vent per 120.1(c)4 & 160.2(c)4		DCV or Sensor Controls per 120.1(d)3, 120.1(d)5, and 120.1(e)3[4] 160.2(c)5D 160.2(c)5E 160.2(c)5D	
	Occupancy Type[4]	Conditioned Floor Area (ft²)	# of Shower heads/ toilets	# of people[5]	Required Min OA CFM	Required Min CFM	Provided per Design CFM		
F-9 or 10-#	Classroom (ages 5-18)	892			133.8			DCV	Provided per §120.1(d)4
								Occ Sensor	Provided per §120.1(d)5
17	Total System Required Min OA CFM				133.8	18	Ventilation for this System Complies?		Yes

[1] *FOOTNOTES: System CFM should include both mechanical and natural ventilation for the zone/system*

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I. SYSTEM CONTROLS

[1] *FOOTNOTES: Gravity gas wall heaters, gravity floor heaters, gravity room heaters, non-central electric heaters, fireplaces or decorative gas appliances, wood stoves are not required to have setback thermostats.*

J. VENTILATION AND INDOOR AIR QUALITY

This table is used to demonstrate compliance with mandatory ventilation requirements in 120.1 120.2(e)3& 140.4(p) and 140.4(a) for all nonresidential and hotel/motel and d124refpoink/[160.2, 160.3(a)3, 170.2(c)4N, 170.2(e)4O for high-rise residential occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflows may be shown on the plans or the calculations can be presented in a spreadsheet.

01	☐	Check the box if the project is showing ventilation calculations on the plans, or attaching the calculations instead of completing this table.
02	☒	Check this box if the project included Nonresidential, Hotel/Motel Spaces or Multifamily Common Use Spaces
	☐	
03	☐	Check the box if the project is using natural ventilation in any nonresidential or hotel/motel spaces to meet required ventilation rates per 120.1(c)2.

Nonresidential and Hotel/ Motel Multifamily Common Use Ventilation Systems

04		05			06			07	
System Name	F-9 or 10-#	System Design OA CFM Airflow[1]		200	System Design Transfer Air CFM		1260	Air Filtration per 120.1(c) 141.0(b)2 and 160.2(c)21[2]	
								Provided	
08	09	10	11	12	13	14	15	16	
Space Name or Item Tag	Mechanical Ventilation Required per 120.1(c)3[3] & 160.2(c)3					Exh. Vent per 120.1(c)4 & 160.2(c)4		DCV or Sensor Controls per 120.1(d)3, 120.1(d)5, and 120.1(e)3[4] 160.2(c)5D 160.2(c)5E 160.2(c)5D	
	Occupancy Type[4]	Conditioned Floor Area (ft²)	# of Shower heads/ toilets	# of people[5]	Required Min OA CFM	Required Min CFM	Provided per Design CFM		
F-9 or 10-#	Classroom (ages 5-18)	892			133.8			DCV	Provided per §120.1(d)4
								Occ Sensor	Provided per §120.1(d)5
17	Total System Required Min OA CFM				133.8	18	Ventilation for this System Complies?		Yes

[1] *FOOTNOTES: System CFM should include both mechanical and natural ventilation for the zone/system*

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J. VENTILATION AND INDOOR AIR QUALITY

[1] *Air filtration requirements apply to the following three system types per 120.1(c)1A: space conditioning systems utilizing ducts to supply air to occupiable space; supply-only ventilation systems providing outside air to occupiable space; supply side of balanced ventilation systems including heat recovery and energy recovery ventilation systems providing outside air to occupiable space.*
[2] *Uniform Mechanical Code may have more stringent ventilation requirements; the most stringent code requirement takes precedence.*
[3] *See Standards Tables 120.1-A and 120.1-B..*
[4] *For lecture halls with fixed seating, the expected number of occupants shall be determined in accordance with the California Building Code.*
[5] *120.2(e)3 requires systems serving rooms that are required by 130.1(c) to have lighting occupancy sensing controls to also have occupancy sensing zone controls for ventilation. Examples of spaces which require lighting occupancy sensors include offices 250ft² or smaller, multipurpose rooms less than 1,000 ft², classrooms, conference rooms, restrooms, aisles and open areas in warehouses, library book stack aisles, corridors, stairwells, parking garages, and loading and unloading zones, unless excepted by 130.1(c).*

K. TERMINAL BOX CONTROLS

This section does not apply to this project.

L. DISTRIBUTION (DUCTWORK and PIPING)

This table is used to show compliance with mandatory pipe insulation requirements found in 120.3 and mandatory requirements found in 120.4(g) for duct sealing.

01	☐	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. Insulation covering chilled water piping and refrigerant suction piping located outside the conditioned space shall have a Class I or Class II vapor retarder. All penetrations and joints of which shall be sealed.

Duct Leakage Testing

The answers to the questions below apply to the following duct systems:	F-9 or 10-#	NR/ Common Use: Duct leakage testing shall not exceed 15% per NA7.5.3 required for these systems?	No

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L. DISTRIBUTION (DUCTWORK and PIPING)

			Dwelling Units: Total duct leakage of duct system shall not exceed 15% or duct system to outside shall not exceed 10% per NA3.1.4 required for these systems?	---
			Duct leakage testing per CMC Section 603.10.1 required for these systems?	No
11	No	The scope of the project includes only duct systems serving healthcare facilities		
12	Yes	Duct system provides conditioned air to an occupiable space for a constant volume, single zone, space-conditioning system.		
13	Yes	The space conditioning system serves less than 5,000 ft² of conditioned floor area.		
14	No	The combined surface area of the ducts is more than 25% of the total surface area of the entire duct system:		
15	No	The scope of the project includes extending an existing duct system, which is constructed, insulated or sealed with asbestos.		
16	No	The scope of the project includes an existing duct system that is documented to have been previously sealed as confirmed through field verification and diagnostic testing in accordance with procedures in the Reference Nonresidential Appendix NA2.		
17	Exposed Ductwork located in occupied space	All Ductwork and plenums with pressure class ratings shall be constructed to Seal Class A		
18	Yes	All ductwork is an extension of an existing duct system		
19	No	Ductwork serving individual dwelling unit		
20	Yes	< 25 ft of new or replacement space conditioning ducts installed		
21	R-0.0	Duct Insulation R-value		
22	Yes	Ductwork Existing To Remain		
23	Yes	Duct System Connected To Altered Space Conditioning System		

M. COOLING TOWERS

This section does not apply to this project.

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N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency-4

Form/Title
NRCI-MCH-01-E - Must be submitted for all buildings

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency-4

Form/Title	Systems/Spaces To Be Field Verified
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.	F-9 or 10-#
NRCA-MCH-05-A - Air Economizer Controls	F-9 or 10-#
NRCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to 120.1(c)3) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO_2) concentration setpoints.	F-9 or 10-#
NRCA-MCH-12-A FDD for Packaged Direct Expansion Units	CU-9 or 10-#

P. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no NRCV forms required for this project.

Q. MANDATORY MEASURES DOCUMENTATION LOCATION

This table is used to indicate where mandatory measures are documented in the plan set or construction documentation.

01		02
Compliance with Mandatory Measures documented through MCH Mandatory Measures Note Block	Yes	Plan sheet or construction document location: 2MP-801

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Rod Revera	Documentation Author Signature: Rod Revera
Company: Cypress Engineering Group	Signature Date: 07/11/2024
Address: 8 Harris Court Suite A8	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Monterey, CA 93940	Phone: 831.218.1802

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: Metin Sertunc	Responsible Designer Signature: Metin Sertunc
Company: Cypress Engineering Group	Date Signed: 07/11/24
Address: 8 Harris Court Suite A8	License: M31059
City/State/Zip: Monterey, CA 93940	Phone: 831.218.1802

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AGENCY APPROVAL DSA# 01-121407

911 W HEDDING ST., SUITE 101
SAN JOSE, CA 95126
TEL (408) 715-4470

CEG JOB NO: 23147

CYPRESS Engineering Group
831.218.1802
8 Harris Court, Suite A8
Monterey, CA 93940
cypresseg.com
HVAC. Plumbing. Fire Protection
Building Commissioning
Industrial Refrigeration
Environmental Compliance
Training & Technical Support

CONSULTANTS

MECHANICAL ENGINEER
CYPRESS ENGINEERING GROUP
9 Harris Court, Suite A8
Monterey, CA 93940
TEL (831) 218-1802

CIVIL ENGINEER
CARROLL ENGINEERING
1101 South Winchester Blvd., Suite H184
San Jose, CA 95128
TEL (408) 261-9800

STRUCTURAL ENGINEER
BASE Design Inc.
582 Market St. Ste 1402
San Francisco, CA 94104
TEL (415) 466-2997

ELECTRICAL ENGINEER
ATIUM ENGINEERING
3533 York Ln.
San Ramon, CA 94582
TEL (913) 961-1658

TECHNOLOGY ENGINEER
KMM Services Inc.
5433 El Camino Ave. Ste 5
Carmichael, CA 95608
TEL (916) 359-4000

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER — METIN SERTUNC — No. M31059 — EXP. JUNE 30, 2025 — MECHANICAL — STATE OF CALIFORNIA

REVISIONS

#	NO.	DATE	DESCRIPTION
1		10-11-2024	DSA BACKCHECK

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

T24 - MECHANICAL

INCREMENT 2

DRAWN BY: RR JOB NUMBER: 23120.01

SHEET NO.

2MP-801

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

DATE PLOTTED: 10/11/2024 10:46 AM
FILE LOCATION: E:\Shared Drives\HVAC\19-#6 Nineteen Six\23147 - Mt Diablo ES Mod\03 Dwgs\MT Diablo ES Mod Inc 2.dwg

ELECTRICAL COMPONENT ANCHORAGE NOTES

ALL ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET 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 BUILDING UTILITY SERVICES SUCH AS ELECTRICAL AND TELECOM UTILITIES. "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 STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4'-0" OR GREATER ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT, IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE ATTACHMENTS OF THE FOLLOWING ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.

1. COMPONENTS WEIGHTING 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.
2. COMPONENTS WEIGHTING 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 HUNG FROM A WALL.

THE ANCHORAGE OF ALL ELECTRICAL 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.

ELECTRICAL DISTRIBUTION SYSTEMS BRACING NOTES

ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 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. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G. HCAI *OPM* FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

ELECTRICAL DISTRIBUTIONS SYSTEMS (E):

- [X] OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
- [ ] OPTION 2: SHALL COMPLY WITH THE APPLICABLE HCAi (OSHPD) PRE-APPROVAL (OPM #) #_____

ABBREVIATIONS

A	AMPERE
ABV	ABOVE
AF	AMPERE FRAME, AMPERE FUSE
AFF	ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
ARCH	ARCHITECTURAL
AS	AMPERE SWITCH
AT	AMPERE TRIP
ATS	AUTOMATIC TRANSFER SWITCH
BKR	BREAKER
BLDG	BUILDING
C	CONDUIT
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CBC	CALIFORNIA BUILDING CODE
CD	CANDELA
CEC	CALIFORNIA ELECTRICAL CODE
CFC	CALIFORNIA FIRE CODE
CKT	CIRCUIT
CL	CENTER LINE
CLG	CEILING
CO	CONDUIT ONLY
COMM	COMMUNICATIONS
CSFM	CALIFORNIA STATE FIRE MARSHALL
CTR	CENTER
(D)	DEMOLISH
DET	DETAIL
DIM	DIMENSION
DIST	DISTRIBUTION
DP	DISTRIBUTION PANEL
DWG	DRAWING
(E)	EXISTING
ELEC	ELECTRICAL
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EOL	END OF LINE RESISTOR
EQP	EQUIPMENT
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
(F)	FUTURE
FIN	FINISH
FLR	FLOOR
G, GND	GROUND
GRC	GALVANIZED RIGID CONDUIT
HGT	HEIGHT
HP	HORSEPOWER
IC	INTERCOM
IDF	INTERMEDIATE DISTRIBUTION FRAME
IMC	INTERMEDIATE METAL CONDUIT
INFO	INFORMATION
JB	JUNCTION BOX
KAIC	KILOAMPERE INTERRUPTING CAPACITY
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KW	KILOWATT
LTG	LIGHTING
LV	LOW VOLTAGE
MAX	MAXIMUM
KCMIL	THOUSAND CIRCULAR MILS
MDF	MAIN DISTRIBUTION FRAME
MECH	MECHANICAL
MH	MANHOLE
MIN	MINIMUM
MTD	MOUNTED
MTG	MOUNTING
NC	NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NIEC	NOT IN ELECTRICAL CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
NUM, #	NUMBER
OC	ON CENTER
P	POLE
PA	PUBLIC ADDRESS
PB	PULL BOX
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PVC	POLYVINYL CHLORIDE
(R)	EXISTING TO BE RELOCATED
REQD	REQUIRED
REQT(S)	REQUIREMENT(S)
RM	ROOM
RSC	RIGID STEEL CONDUIT
SAD	SEE ARCHITECTURAL DOCUMENTS
SHT	SHEET
SPD	SURGE PROTECTIVE DEVICE
STC	SIGNAL TERMINAL CABINET
SW	SWITCH
SWBD	SWITCHBOARD
T24	CALIFORNIA ENERGY CODE
TC	TERMINAL CABINET
TEL	TELEPHONE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLT
W	WATT, WIRE
WP	WEATHERPROOF
XFMR	TRANSFORMER

OWNERSHIP OF INSTRUMENTS OF SERVICE

1. ALL REPORTS, DRAWINGS, SPECIFICATIONS, COMPUTER FILES, FIELD DATA, NOTES AND OTHER DOCUMENTS AND INSTRUMENTS PREPARED BY THE CONSULTANT AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE CONSULTANT. THE CONSULTANT SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT THERETO.
2. THE CLIENT ACKNOWLEDGES THE CONSULTANT'S CONSTRUCTION DOCUMENTS, INCLUDING ELECTRONIC FILES, AS INSTRUMENTS OF PROFESSIONAL SERVICE. NEVERTHELESS, THE FINAL CONSTRUCTION DOCUMENTS PREPARED UNDER THIS AGREEMENT SHALL BECOME THE PROPERTY OF THE CLIENT UPON COMPLETION OF THE SERVICES AND PAYMENT IN FULL OF ALL MONIES DUE TO THE CONSULTANT. THE CLIENT SHALL NOT REUSE OR MAKE ANY MODIFICATION TO THE CONSTRUCTION DOCUMENTS WITHOUT THE PRIOR WRITTEN AUTHORIZATION OF THE CONSULTANT. THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD HARMLESS THE CONSULTANT, ITS OFFICERS, DIRECTORS, EMPLOYEES AND SUBCONSULTANTS (COLLECTIVELY, CONSULTANT) AGAINST ANY DAMAGES, LIABILITIES OR COSTS, INCLUDING REASONABLE ATTORNEY'S FEES AND DEFENSE COSTS, ARISING FROM OR ALLEGEDLY ARISING FROM OR IN ANY WAY CONNECTED WITH THE UNAUTHORIZED REUSE OR MODIFICATION OF THE CONSTRUCTION DOCUMENTS BY THE CLIENT OR ANY PERSON OR ENTITY THAT ACQUIRES OR OBTAINS THE CONSTRUCTION DOCUMENTS FROM OR THROUGH THE CLIENT WITHOUT THE WRITTEN AUTHORIZATION OF THE CONSULTANT.

CODES AND STANDARDS

1. 2022 CALIFORNIA BUILDING CODE (CBC), VOLUMES #1 AND #2 (PART 2,TITLE 24, CCR).
2. 2022 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR).
3. 2022 CALIFORNIA MECHANICAL CODE (CMC) (PART 4, TITLE 24, CCR).
4. 2022 CALIFORNIA PLUMBING CODE (CPC) (PART 5, TITLE 24, CCR).
5. 2022 CALIFORNIA ENERGY CODE (PART 6,TITLE 24, CCR).
6. 2022 CALIFORNIA FIRE CODE (CFC) (PART 9,TITLE 24, CCR).
7. 2022 CALIFORNIA GREEN CODE (PART 11, TITLE 24, CCR).
8. 2022 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR).
9. 2022 NFPA 72 NATIONAL FIRE ALARM CODE.
10. 2015 NFPA 720 STANDARDS FOR CARBON MONOXIDE DETECTION AND WARNING.
11. 2022 NFPA 13 STANDARDS FOR FIRE SPRINKLER SYSTEMS.
12. ADA STANDARDS FOR ACCESSIBLE DESIGN: ADA ACCESSIBILITY GUIDELINES (ADAAG) 28, PART 36 APPENDIX A.
13. ADA STANDARDS FOR ACCESSIBLE DESIGN - CODE OF REGULATIONS (INCLUDING AMENDMENTS).

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.

NEW VS. EXISTING

- (N) CONDUIT - CONCEALED IN WALLS OR CEILING.
- (E) CONDUIT - CONCEALED IN WALLS OR CEILING.
- (E) CONDUIT - TO BE REMOVED.
- (N) DEVICE OR EQUIP (EXAMPLE)
- (E) DEVICE OR EQUIP (EXAMPLE)
- (E) DEVICE OR EQUIP TO BE REMOVED (EXAMPLE)

WIRING, CONDUIT, AND RACEWAY SYMBOLS

- CONDUIT - CONCEALED IN WALLS OR CEILING.
- CONDUIT - EXPOSED.
- CONDUIT - UNDERGROUND / DIRECT BURIAL.
- CONDUIT HOME RUN TO PANEL, TERMINAL CABINET, ETC. SIZE CONDUIT ACCORDING TO SPECIFICATIONS AND APPLICABLE CODES. ALL 20A/1P BRANC CIRCUITS SHALL BE #12 AWG WIRES WITH #12 AWG NEUTRALS AND GROUNDS RUN A MAXIMUM OF 3 BRANCH CIRCUITS PER CONDUIT.
- CONDUIT - FLEX WITH CONNECTION.
- CONDUIT - STUB UP.
- CONDUIT - STUB DOWN.
- CONDUIT - EMERGENCY POWER SYSTEM.
- CONDUIT - CAPPED.
- CONDUIT - CONTINUATION.
- SURFACE MOUNTED WIRE RACEWAY - INSTALL AT + 36" AFF UON.
- SURFACE MOUNTED WIRE RACEWAY UP/DOWN
- IN-GRADE PULL BOX. SINGLE LINE = NON-TRAFFIC RATED. DOUBLE LINE = TRAFFIC RATED. "Y" = UNIQUE BOX IDENTIFIER. "X" = SYSTEM:
  - P = POWER
  - C = COMMUNICATIONS
  - F = FIRE ALARM
  - L = LIGHTING
  - E = EV CHARGER

POWER DISTRIBUTION SYMBOLS (SINGLE LINE)

- TRANSFORMER (SINGLE LINE)
- TRANSFORMER (RISER)
- STANDARD / EMERGENCY PANEL BOARD
- STANDARD / EMERGENCY DISTRIBUTION PANELBOARD
- SWITCHBOARD
- EMERGENCY GENERATOR
- CIRCUIT BREAKER, DRAW-OUT, 3-POLE UON.
- CIRCUIT BREAKER, 3-POLE UON.
- FUSED SWITCH, 3-POLE UON.
- AUXILIARY CONTACT - NORMALLY OPENED.
- AUXILIARY CONTACT - NORMALLY CLOSED.
- AUTOMATIC TRANSFER SWITCH WITH GENERATOR STARTING AND TRANSFER SWITCH STATUS CONTACTS.
- GROUND ROD
- METER WITH CURRENT TRANSFORMERS. "X" INDICATES METER IDENTIFIER, SEE SCHEDULE.
  - U = UTILITY METER
  - M# = OWNER METER, SEE SPECIFICATIONS
- METER INSTALLED WITHIN EQUIPMENT
- METER IN STANDALONE ENCLOSURE
- CURRENT TRANSFORMERS

POWER DISTRIBUTION SYMBOLS (PLANS)

- PANELBOARD - FLUSH MOUNTED.
- PANELBOARD - SURFACE MOUNTED.
- DISTRIBUTION PANEL
- SWBD — SWITCHBOARD
- PULL — SWITCHBOARD SECTION - PULL SECTION
- MTR — SWITCHBOARD SECTION - METER SECTION
- MAIN — SWITCHBOARD SECTION - MAIN BREAKER SECTION
- MTR/MN — SWITCHBOARD SECTION - METER AND MAIN BREAKER SECTION
- DIST — SWITCHBOARD SECTION - DISTRIBUTION SECTION
- MOTOR
- EQUIPMENT WITHOUT MOTOR
- EQUIPMENT WITH MOTOR
- UNFUSED DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- COMBINATION MAGNETIC STARTER/FUSED DISCONNECT SWITCH
- MAGNETIC STARTER - NEMA SIZE INDICATED.
- VFD — VARIABLE FREQUENCY DRIVE
- MOTOR RATED SWITCH
- T — TRANSFORMER
- GROUND ROD
- G — GENERATOR
- CH 2 — EQUIPMENT TAG - SEE EQUIPMENT SCHEDULE
  - "CH" = EQUIPMENT TYPE
  - "2" = UNIQUE IDENTIFIER

RECEPTACLE AND POWER SYMBOLS

POKE THRU	FLR	WALL	CLG	AT HGT	
					SIMPLEX RECEPTACLES
					DUPLEX RECEPTACLES
					QUADRUPLEX RECEPTACLES
					GFCI DUPLEX RECEPTACLES
					GFCI QUADRUPLEX RECEPTACLES
					HALF-CONTROLLED DUPLEX RECEPTACLES
					HALF-CONTROLLED QUADRUPLEX RECEPTACLES
		X			SPECIAL DUPLEX RECEPTACLES, SEE BELOW
		X			SPECIAL QUADRUPLEX RECEPTACLES, SEE BELOW
					HALF-SWITCHED RECEPTACLES
	J		J		JUNCTION BOX

TYPICAL RECEPTACLE NOMENCLATURE

R1-3 / R1-3 +Y* / R1-3 X

"R1" DENOTES PANEL NAME
"3" DENOTES CIRCUIT NUMBER
"X" DENOTES SPECIAL RECEPTACLE TYPE (IF APPLICABLE)
"Y" DENOTES MOUNTING HEIGHT (IF APPLICABLE)

SPECIAL RECEPTACLE DESIGNATIONS

LTR	RATING	NEMA	PLUG TYPE PROVIDED WITH EQUIP
A	125V, 1Ø, 30A, 2P, 3W	5-30R	WITH 5-30P PLUG
B	125V, 1Ø, 50A, 2P, 3W	5-50R	WITH 5-50P PLUG
C	125/250V, 1Ø, 20A, 3P, 4W	14-20R	WITH 14-20P PLUG
D	125/250V, 1Ø, 30A, 3P, 4W	14-30R	WITH 14-30P PLUG
F	125/250V, 1Ø, 50A, 3P, 4W	14-50R	WITH 14-50P PLUG
G	125/250V, 1Ø, 60A, 3P, 4W	14-60R	WITH 14-60P PLUG
H	250V, 1Ø, 20A, 2P, 3W	6-20R	WITH 6-20P PLUG
J	250V, 1Ø, 30A, 2P, 3W	6-30R	WITH 6-30P PLUG
K	250V, 1Ø, 50A, 2P, 3W	6-50R	WITH 6-50P PLUG
L	-	-	"L" INDICATES ASSOCIATED RECEPTACLE IS LOCKING TYPE, PROVIDE MATCHING PLUG FOR EACH RECEPTACLE
M	250V, 1Ø, 20A, 2P, 3W	6-20R	WITH 6-20P PLUG
N	250V, 1Ø, 30A, 2P, 3W	6-30R	WITH 6-30P PLUG
P	250V, 1Ø, 50A, 2P, 3W	6-50R	WITH 6-50P PLUG
R	250V, 3Ø, 20A, 3P, 4W	15-20R	WITH 15-20P PLUG
S	250V, 3Ø, 30A, 3P, 4W	15-30R	WITH 15-30P PLUG
T	250V, 3Ø, 50A, 3P, 4W	15-50R	WITH 15-50P PLUG
U	125V, 1Ø, 20A, 2P, 3W	5-20R	(2) INTEGRAL USB PORTS, SEE SPECS
V	480V, 3Ø, 30A, 3P, 4W	L16-30R	WITH L16-30P PLUG
X	125V, 1Ø, 20A, 2P, 3W	5-20R	ISOLATED GROUND WITH INTEGRAL TRANSIENT SUPPRESSOR AND DEDICATED GREEN/YELLOW CONDUCTOR BACK TO GROUND BUS AT PANEL
Y	125V, 1Ø, 20A, 2P, 3W	5-20R	DEDICATED CIRCUIT

NOTES

1. WALL MOUNTED DEVICES SHALL BE MOUNTED AT 18" AFF TO BOTTOM OF DEVICE, UON.
2. WALL MOUNTED DEVICES SHOWN AT A DEFINED HEIGHT SHALL BE MOUNTED WITH THE BOTTOM AT 1" ABOVE COUNTER BACKSPLASH, UON.
   - 2.1. LOCATIONS WITH OPEN FORWARD APPROACH: +44" AFF MAX
   - 2.2. LOCATIONS WITH PARALLEL APPROACH: +46" AFF MAX
3. FOR HALF-SWITCHED RECEPTACLES, MOUNT SWITCH AT 48" AFF TO CENTER OF SWITCH, UON
4. WHERE POWER AND LOW VOLTAGE FLOOR BOXES OR POKE THRUS ARE SHOWN IN THE SAME LOCATION, THOSE DEVICES SHALL BE LOCATED WITHIN THE SAME ENCLOSURE, UON.
5. SIZE JUNCTION BOXES AS REQ'D PER CODE. TAPE AND TAG WIRES. COORDINATE WITH EQUIPMENT AND PROVIDE FLEX CONDUIT AND/OR RECEPTACLES AS REQUIRED TO CONNECT EQUIPMENT.
6. FOR SPECIAL RECEPTACLES, COORDINATE WIRE SIZE, WIRE QUANTITY, CONDUIT SIZE, AND RECEPTACLE TYPE WITH ACTUAL EQUIPMENT SUBMITTED AND PURCHASED. EQUIPMENT NOTED ON PLANS SHALL BE CONSIDERED AS THE BASIS OF DESIGN AND CONTRACTOR SHALL PROVIDE CONNECTIVITY AS REQUIRED FOR ACTUAL EQUIPMENT PURCHASED AND INSTALLED TO PROVIDE A FULLY FUNCTIONAL SYSTEM.

GENERAL SYMBOLS

- 3 / E2.1 — PLAN OR DETAIL DESIGNATION
  - "3" DENOTES DETAIL OR PLAN NUMBER
  - "E2.1" DENOTES SHEET NUMBER.
  - "-" DENOTES SAME SHEET.
- 3 / - — SAME
- 2 / E1.0 — SECTION OR ELEVATION DESIGNATION
  - "2" DENOTES SECTION OR ELEVATION NUMBER
  - "E1.0" DENOTES SHEET NUMBER.
  - "-" DENOTES SAME SHEET.
- 2 / - — SAME
- # — SHEET NOTE TAG - SEE APPLICABLE NOTE ON SAME SHEET
- XXXX — FEEDER SCHEDULE TAG, SEE APPLICABLE SCHEDULE
- XXXX — CONDUIT SCHEDULE TAG, SEE APPLICABLE SCHEDULE

GENERAL NOTES

A. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING AND ALLOW FOR ALL FIELD CONDITIONS. OBTAIN CONTRACT DOCUMENTS FOR ALL OTHER TRADES AND BE RESPONSIBLE FOR ALL ELECTRICAL WORK NOTED AND CALLED OUT ON THE CONTRACT DOCUMENTS. COORDINATE ELECTRICAL WORK WITH ALL OTHER TRADES ON PROJECT. COORDINATE ALL CONDUIT RUNS, ELECTRICAL EQUIPMENT AND PANEL LOCATIONS WITH ALL OTHER WORK TO AVOID CONFLICTS.

B. COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. MATERIALS AND EQUIPMENT SHALL BE U.L. AND CALIFORNIA STATE FIRE MARSHAL (CSFM) LISTED AND LABELED FOR THE APPLICATION.

C. BEFORE BEGINNING CONSTRUCTION, PROVIDE TO THE ARCHITECT A CONSTRUCTION SCHEDULE OF ELECTRICAL WORK. THE CONSTRUCTION SCHEDULE SHALL IDENTIFY ALL SIGNIFICANT MILESTONES WITH COMPLETION DATES.

D. OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTION FEES REQUIRED BY THIS CONTRACT WORK, UNLESS OTHERWISE NOTED.

E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY AND SHALL PROVIDE INSURANCE COVERAGE AS NECESSARY FOR LIABILITY, PERSONAL, PROPERTY DAMAGE, TO FULLY PROTECT THE OWNER, ARCHITECT AND ENGINEER FROM ANY AND ALL CLAIMS RESULTING FROM THIS WORK.

F. MAINTAIN RECORD DRAWINGS AT THE PROJECT SITE INDICATING ALL MODIFICATIONS TO ELECTRICAL SYSTEMS. AT THE CONCLUSION OF THE PROJECT, PROVIDE ACCURATE "AS-BUILT" DRAWINGS ACCEPTABLE TO THE ARCHITECT.

G. ALL MATERIALS PROVIDED FOR THE PROJECT SHALL BE NEW, UNLESS OTHERWISE NOTED. PROVIDE ALL INCIDENTAL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.

H. ALL ELECTRICAL EQUIPMENT INSTALLED OUTDOORS SHALL BE WEATHERPROOF. EXTERIOR CONDUIT RUNS INTO BUILDINGS SHALL BE INSTALLED WITH FLASHING, CAULKED AND SEALED. CONDUITS FOR EXTERIOR ELECTRICAL DEVICES SHALL BE RUN INSIDE BUILDING, UNLESS OTHERWISE NOTED. UNDERGROUND AND EXTERIOR CONDUIT SHALL HAVE WATERTIGHT FITTINGS.

I. ALL CONDUITS SHALL BE A MINIMUM 3/4," UNLESS OTHERWISE NOTED. POWER AND LIGHTING BRANCH CIRCUITS SHALL HAVE A MINIMUM TWO (2) #12 AWG AND ONE (1) #12 AWG GROUND TYPE THWN/TTHN. ALL POWER AND FIRE ALARM WIRING SHALL BE RUN IN CONDUIT. THE USE OF ROMEX (NMC) OR BX (AC) CABLE IS NOT PERMITTED. PROVIDE ALL WIRES AND WIRE SIZES REQUIRED BY LATEST CODES.

J. ALL WIRE SIZING SHOWN ON THE CONSTRUCTION DOCUMENTS UTILIZES ASSUMED ROUTING AND CIRCUIT LENGTHS TO DETERMINE VOLTAGE DROP. CONTRACTOR SHALL VERIFY ALL CIRCUIT LENGTHS WITH ACTUAL FIELD CONDITIONS AND SHALL PROVIDE INCREASED WIRE AND CONDUIT SIZES AS REQUIRED TO LIMIT FEEDERS TO A MAXIMUM OF 2% VOLTAGE DROP AND BRANCH CIRCUITRY TO A MAXIMUM OF 3% VOLTAGE DROP.

K. ALL POWER CIRCUITS SHALL HAVE A DEDICATED NEUTRAL. SHARED NEUTRALS WITH TIE-BARS AT THE BREAKERS IN THE PANEL SHALL NOT BE ALLOWED.

L. CONDUITS SHALL NOT BE USED AS A GROUND PATH. ALL CONDUITS SHALL CONTAIN A GROUNDING CONDUCTOR, SIZED PER NEC/CEC REQUIREMENTS.

M. THERE SHALL BE NO ROOF PENETRATIONS WITHIN 5'-0" OF FIRE RATED OR AREA SEPARATION WALLS. VERIFY EXACT LOCATIONS OF THESE WALLS WITH ARCHITECTURAL DRAWINGS.

N. NOTE THAT BRANCH CIRCUIT WIRING IS NOT SHOWN. CIRCUIT NUMBERS ARE SHOWN ADJACENT TO ALL OUTLETS/FIXTURES/DEVICES. PROVIDE ALL BRANCH CIRCUIT WIRING BASED ON CIRCUIT NUMBERS SHOWN TO COMPLETE THE WIRING SYSTEM.

O. THE CONTRACTOR SHALL, PRIOR TO BID, FIELD VERIFY ALL REQUIREMENTS FOR MODIFYING THE EXISTING SECURITY, CATV, DATA, TELEPHONE, CLOCK, AND INTERCOM SYSTEMS TO ACCOMMODATE ADDITIONS NOTED. PROVIDE ALL MATERIALS NEEDED TO MAKE A FULLY OPERATIONAL SYSTEM AT THE CONCLUSION OF PROJECT WORK.

P. PROVIDE A PULL CORD IN EVERY EMPTY CONDUIT FOR USE IN FUTURE CONSTRUCTION. LABEL EACH END OF THE CONDUIT WITH TYPED, PERMANENT LABEL, TO IDENTIFY WHERE THE OPPOSING END TERMINATES.

Q. ALL EQUIPMENT VOLTAGES AND AMPACITY IS BASED ON THE INFORMATION PROVIDED BY OTHER DISCIPLINES AS PART OF THE CONTRACT DOCUMENTS. VERIFY ALL VOLTAGES AND AMPACITIES OF EQUIPMENT WITH GENERAL AND OTHER SUB-CONTRACTORS PRIOR TO ROUGH-IN AND PROVIDE PROVISIONS FOR CODIRECT BREAKER, WIRING, AND CONDUIT SIZES BASED ON ACTUAL EQUIPMENT TO BE USED FOR THE PROJECT.

R. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE LOCATING ALL EXISTING UNDERGROUND SYSTEMS IN THE AREA OF UNDER GROUND WORK. REPAIR ALL DAMAGED SYSTEMS TO OWNERS SATISFACTION. MAINTAIN EXTREME CARE DURING TRENCHING AS EXISTING SYSTEMS ARE KNOWN TO EXIST IN THE AREA. THE DRAWINGS AND SPECIFICATIONS ARE FOR THE ASSISTANCE AND GUIDANCE OF THE CONTRACTOR. EXACT LOCATIONS, DISTANCES AND ELEVATIONS WILL BE GOVERNED BY ACTUAL CONDITIONS. COORDINATE THE CONTRACT DOCUMENTS AND FIELD CONDITIONS TO DETERMINE EXACT ROUTING AND FINAL TERMINATIONS FOR ALL WORK.

S. CONDUIT AND WIRING ARE SHOWN ON THESE PLANS DIAGRAMMATICALLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD TO SUIT SITE CONDITIONS.

T. PLANS SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION PRIOR TO BEGINNING WORK. SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW PRIOR TO PURCHASE.

U. SUFFICIENT ACCESS AND WORKING SPACE SHALL BE PROVIDED AND MAINTAINED ABOUT ALL ELECTRIC EQUIPMENT TO PERMIT READY AND SAFE OPRERATION AND MAINTENANCE OF SUCH EQUIPMENT PER CEC ARTICLE 110-26.

V. ALL CONTROLS, SWITCHES, AND ELECTRICAL RECEPTACLE OUTLETS SHALL BE NOT MORE THAN +48" AFF TO TOP OF THE OUTLET BOX, NOR LESS THAN +15" AFF TO BOTTOM OF OUTLET BOX PER CBC 11B-308.1.

W. CONTRACTOR SHALL PERFORM ALL TESTING AND COMPLETE ALL DOCUMENTATION FOR THE LIGHTING AND LIGHTING CONTROLS SYSTEM ACCEPTANCE TESTING PER REQUIREMENTS OF CEC SECTION 130.4. SUBMIT ALL DOCUMENTATION TO THE AHJ.

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AGENCY APPROVAL DSA# 01-121407

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PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA

LUMINAIRE SYMBOLS

	LUMINAIRE - RECESSED.
	LUMINAIRE - SURFACE MOUNT STRIP.
	LUMINAIRE - SURFACE MOUNT.
	LUMINAIRE - PENDANT MOUNT LINEAR FIXTURE.
	LUMINAIRE - WALL MOUNT LINEAR FIXTURE.
	LUMINAIRE - RECESSED DOWNLIGHT.
	LUMINAIRE - SINGLE WALL WASHER.
	LUMINAIRE - DOUBLE WALL WASHER.
	LUMINAIRE - CORNER WALL WASHER.
	LUMINAIRE - PENDANT MOUNT ROUND FIXTURE.
	LUMINAIRE - WALL MOUNT CAN.
	LUMINAIRE - WALL MOUNT BOX.
	LUMINAIRE - POLE MOUNT SINGLE HEAD.
	LUMINAIRE - POLE MOUNT DOUBLE HEAD.
	EXIT LIGHT - WALL MOUNT SINGLE FACE.
	EXIT LIGHT - CEILING MOUNT DOUBLE FACED.
	EXIT LIGHT - WALL MOUNT SINGLE FACE WITH ARROW.
	EXIT LIGHT - CEILING MOUNT DOUBLE FACED WITH DOUBLE ARROWS.
	EXIT LIGHT - EMERGENCY BATTERY PACK.

TYPICAL LUMINAIRE NOMENCLATURE

- UNSHADED SYMBOL DENOTES STANDARD LUMINAIRE.
- SHADED SYMBOL DENOTES EMERGENCY LUMINAIRE.
- A — "A" DENOTES LUMINAIRE TYPE
- L1-3b — "L1" DENOTES PANEL NAME; "3" DENOTES CIRCUIT NUMBER; "b" DENOTES SWITCH LEG

NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING FIXTURE TYPE AND MOUNTING CONDITIONS, REGARDLESS OF SYMBOL SHOWN ON PLANS. COORDINATE WITH EXACT CEILING CONDITIONS TO PROVIDE ALL MOUNTING HARDWARE AND MISC. APPURTENANCES AS REQUIRED FOR A COMPLETE INSTALLATION.
2. REFER TO LUMINAIRE/FIXTURE SCHEDULE FOR FIXTURE DESCRIPTION, MOUNTING, AND LAMPING INFORMATION.
3. SHADED FIXTURES SHALL INDICATE THAT FIXTURE IS CONNECTED TO AN EMERGENCY POWER SOURCE. PROVIDE ALL MISC. APPURTENANCES AS REQUIRED TO ALLOW FIXTURE TO TRANSFER FROM NORMAL TO EMERGENCY POWER. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, TRANSFER MODULES AND/OR UL 924 RELAYS AS REQUIRED TO ALLOW ALL EMERGENCY FIXTURES TO BE CONTROLLED WITH ROOM LIGHTING DURING NORMAL CONDITIONS AND THEN TRANSFER TO EMERGENCY POWER SOURCE UPON LOSS OF NORMAL POWER.
4. PROVIDE ADDITIONAL EXIT SIGNS IN LOCATIONS AS REQUIRED BY INSPECTOR DURING FIELD INSPECTIONS. CONTRACTOR SHALL PROVIDE IN THEIR BID MATERIALS AND INSTALLATION LABOR FOR 5% ADDITIONAL SPARE EXIT SIGNS (MINIMUM OF 1 SIGN) BEYOND THOSE SHOWN ON THE DRAWINGS TO ALLOW FOR FINAL REVIEW, SIGN-OFF, AND APPROVAL BY THE AHJ.

LIGHTING CONTROLS SYMBOLS

	OCCUPANCY SENSOR - CEILING MOUNT WITH BI-DIRECTIONAL VIEW. ARROWS INDICATE AIMING DIRECTION.
	OCCUPANCY SENSOR - CEILING MOUNT WITH 360° VIEW.
	OCCUPANCY SENSOR - WALL MOUNT WITH DIRECTIONAL VIEW. ARROW INDICATES AIMING DIRECTION.
P	PHOTOSENSOR - CEILING MOUNT WITH DIRECTIONAL VIEW. ARROW INDICATES AIMING DIRECTION.
P	PHOTOSENSOR - CEILING MOUNT WITH 360° VIEW.
P	PHOTOSENSOR - WALL MOUNT WITH DIRECTIONAL VIEW. ARROW INDICATES AIMING DIRECTION.
$	SINGLE POLE SWITCH - WALL MTD AT + 48" AFF TO TOP OF BOX UON.
TS	TIME SWITCH
LCP	LIGHTING CONTROL PANEL
RC	SWITCHING ROOM CONTROLLER
DRC	DIMMING ROOM CONTROLLER
NB	NETWORK BRIDGE
SM	SEGMENT MANAGER

TYPICAL SWITCH NOMENCLATURE

- Xy $ — "y" DENOTES SWITCH LEG; "X" DENOTES SWITCH TYPE
  - D = DIMMER SWITCH
  - K = KEY OPERATED SWITCH
  - L = LOW VOLTAGE MULTI-BUTTON SWITCH
  - M = MOMENTARY CONTACT SWITCH
  - T = DIGITAL WALL TIMER
  - S = OCCUPANCY SENSOR SWITCH
  - BLANK = SINGLE POLE SWITCH
  - 3 = 3 WAY SWITCH
  - 4 = 4 WAY SWITCH
- X — "X" DENOTES SENSOR TYPE
  - BLANK = DUAL TECHNOLOGY
  - D = DUAL TECHNOLOGY
  - P = PASSIVE INFRARED
  - U = ULTRASONIC
- Lx $ — LOW VOLTAGE MULTI-BUTTON SWITCH; "x" DENOTES SWITCH UNIQUE SWITCH IDENTIFIER (SEE SCHEDULE FOR SWITCH LEGS/RELAYS CONTROLLED)
- Dxyz $ — DIMMING MULTI-BUTTON SWITCH; "x" "y" "z" (ETC) DENOTE SWITCH LEGS CONTROLLED
- x y z $$$ — MULTIPLE SWITCHES LOCATED WITHIN A SINGLE WALL PLATE; "x" "y" "z" (ETC) DENOTE SWITCH LEGS CONTROLLED

NOTES

1. INSTALL SWITCHING AND DIMMING ROOM CONTROLLERS ABOVE ACCESSIBLE CEILING. FOR ROOMS WITH GYP BD OR OTHER INACCESSIBLE CEILINGS, PROVIDE 2'X2' ACCESS PANEL WITHIN ARMS LENGTH OF WHERE DEVICES ARE MOUNTED. WHERE INSTALLATION OF AN ACCESS PANEL IS NOT POSSIBLE, INSTALL DEVICES IN CONCEALED IN ADJACENT ACCESSIBLE SPACE AND PROVIDE TYPED, SELF ADHESIVE LABEL NOTING WHICH ROOM THE DEVICES CONTROL.
2. PROVIDE SINGLE WALL PLATE FOR MULTIPLE SWITCHES LOCATED TOGETHER. PROVIDE APPROPRIATE QUANTITY, SIZE, AND SHAPE OF CUT OUTS TO ACCOMMODATE ALL DEVICES AT THAT LOCATION (E.G. REGULAR TOGGLE SWITCH VS. DECORATOR STYLE DEVICE). ALL WALLPLATES SHALL BE FACTORY CUT, NO FIELD CUT OPENINGS SHALL BE ALLOWED.
3. DEVICE LOCATIONS ON PLANS ARE APPROXIMATE AND DIAGRAMMATIC. CONTRACTOR SHALL INSTALL DEVICES PER CODE REQUIREMENTS AND MANUFACTURER RECOMMENDATIONS.
4. LIGHT SWITCHES SHALL NOT BE LOCATED BEHIND ROOM DOORS WHEN DOORS ARE FULLY OPENED. LOCATE ALL SWITCHES SUCH THAT THEY ARE VISIBLE AND ACCESSIBLE WHEN THE DOOR IS FULLY OPEN.

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DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.

2E001

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

FILE LOCATION: G:\shared drives\01_projects\madi architecture_4702347.50 - mount diablo usd modernization\05_drawings\01_DWGs\Mt Diablo\Inc 2\2347.50 - MD - 2E000 - General Information.dwg
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LUMINAIRE SCHEDULE

FIXTURE TAG KEY: G = GROUND MOUNT; L = LINEAR FIXTURES THAT HAVE VARIABLE LENGTH ON THE PROJECT; P = PENDANT MOUNTED; R = RECESSED; S = SURFACE MOUNTED;
T = TRACK OR TRACK HEAD; W = WALL MOUNTED; X = EXIT SIGNS; Y = POLE MOUNTED; Z = EXTERIOR - TO PRECEDE OTHER FIXTURE TAGS - E.G. ZW1 WOULD BE AN EXTERIOR WALL MOUNTED FIXTURE

FIXTURE TAG	INPUT WATTS (W)	LIGHT SOURCE	COLOR TEMP (K)	CRI	OUTPUT (LUMENS)	EFFICACY (LPW)	LED DRIVER OR BALLAST	VOLTS (V)	DESCRIPTION	MANUFACTURER	LOCATION	WEIGHT (LBS)	REMARKS
L1	8.1 /FT	LED	4000	80	954 /FT	118 /FT	INTEGRAL 0-10V DIMMING DRIVER	120	4" WIDE LINEAR DIRECT/INDIRECT LED PENDANT. WHITE FINISH. TOP GLOW AND BOTTOM GLOW DIFFUSERS. FLAT ENDCAPS. T6 EXTRUDED ALUMINUM HOUSING. INTEGRAL OCCUPANCY SENSOR AND DAYLIGHT SENSOR.	FINELITE HP4 SERIES HP-4-P-ID-__-S-B-840-TG-BG-96LG-120-SC-FC-10%-FA50-Cx-FE-SW-W601 OR APPROVED EQUAL	THROUGHOUT	3.4 /FT	1. MOUNT BOTTOM OF FIXTURE AT 8'-0" AFF. 2. PROVIDE LENGTHS AS SHOWN ON PLANS.
L1E	8.1 /FT	LED	4000	80	954 /FT	118 /FT	INTEGRAL 0-10V DIMMING DRIVER	120	SIMILAR TO TYPE "L1" EXCEPT WITH UL LISTED EMERGENGY BATTERY PACK WITH MINIMUM 90 MINUTE RUNTIME.	FINELITE HP4 SERIES HP-4-P-ID-__-S-B-840-TG-BG-96LG-120-SC-FC-10%-FA50-Cx-FE-SW-LGD18W-W601 OR APPROVED EQUAL	THROUGHOUT	3.4 /FT	1. MOUNT BOTTOM OF FIXTURE AT 8'-0" AFF. 2. PROVIDE LENGTHS AS SHOWN ON PLANS.
R2	8.1 /FT	LED	4000	80	954 /FT	118 /FT	INTEGRAL 0-10V DIMMING DRIVER	120	4" WIDE LINEAR RECESS CEILING MOUNT LED FIXTURE. WHITE FINISH. TOP GLOW AND BOTTOM GLOW DIFFUSERS. FLAT ENDCAPS. T6 EXTRUDED ALUMINUM HOUSING. INTEGRAL OCCUPANCY SENSOR AND DAYLIGHT SENSOR.	FINELITE HP4 SERIES HP-4-R-D-__-S-B-840-F-96LG-120-SC-FC-10%-Cx-FE-SW-W601 OR APPROVED EQUAL	THROUGHOUT	3.4 /FT	1. MOUNT BOTTOM OF FIXTURE AT 8'-0" AFF. 2. PROVIDE LENGTHS AS SHOWN ON PLANS.
R2E	8.1 /FT	LED	4000	80	954 /FT	118 /FT	INTEGRAL 0-10V DIMMING DRIVER	120	SIMILAR TO TYPE "R2" EXCEPT WITH UL LISTED EMERGENGY BATTERY PACK WITH MINIMUM 90 MINUTE RUNTIME.	FINELITE HP4 SERIES HP-4-R-D-__-S-B-840-96LG-120-SC-FC-10%-Cx-FE-SW-LGD18W-W601 OR APPROVED EQUAL	THROUGHOUT	3.4 /FT	1. MOUNT BOTTOM OF FIXTURE AT 8'-0" AFF. 2. PROVIDE LENGTHS AS SHOWN ON PLANS.
X1	5.0	LED	N/A	N/A	N/A	N/A	ELECTRONIC, INTEGRAL	UNIVERSAL	EDGE-LIT LED EXIT SIGN. MIRRORED ACRYLIC PANEL WITH GREEN LETTERING. BRUSHED ALUMINUM HOUSING. INTEGRAL UL LISTED EMERGENCY BATTERY PACK WITH MINIMUM 90 MIN RUNTIME.	EMERGILITE PRESTIGE X40 SERIES LSNX-_-N-G-M-_-AD OR APPROVED EQUAL	THROUGHOUT	3	1. MOUNT BOTTOM OF FIXTURE AT 8'-0" AFF. 2. PROVIDE MOUNTING HARDWARE, QUANTITY/DIRECTION OF ARROWS, AND QUANTITY OF FACES AS INDICATED ON PLANS.
X2	5	LED	N/A	N/A	640	N/A	ELECTRONIC, INTEGRAL	UNIVERSAL	EMERGENCY LED LIGHT. DIE CAST ALUMINUM HOUSING. BLACK COLOR. FORWARD THROW OPTICS. INTEGRAL BATTERY PACK WITH MINIMUM 90 MIN RUNTIME.	EMERGILITE LUX-RAY LED SERIES B-LUX-SD-FT-H OR APPROVED EQUAL	THROUGHOUT	3	1. MOUNT BOTTOM OF FIXTURE AT 8'-0" AFF. 2. PROVIDE NEW CONDUIT AND WIRE, SIZED TO MATCH (E), AS REQUIRED TO CONNECT EMERGENCY LIGHT TO EXISTING UNSWITCHED LIGHTING CIRCUIT WITHIN ROOM.

LIGHTING CONTROL SEQUENCE OF OPERATIONS

SPACE/FUNCTION	LIGHTING CONTROL SYSTEM				
	NETWORKED CONTROLS				
INTERIOR LIGHTING	LOCALIZED MANUAL CONTROL OVERRIDE SWITCH	AUTO-ON & AUTO OFF OCCUPANCY SENSING WITH TIME DELAY:	MANUAL ON & AUTO-OFF VACANCY SENSING WITH TIME DELAY:	DAYLIGHT HARVESTING (FC SET POINT)	DEMAND RESPONSE LIGHTING POWER REDUCTION
UTILITY ROOM	ON/OFF. DIMMING.				DIM DOWN TO 75% UPON RECEIVING DEMAND RESPOND SIGNAL
JANITOR ROOM, STORAGE	ON/OFF.		15 MIN		DIM DOWN TO 75% UPON RECEIVING DEMAND RESPOND SIGNAL
AV ROOM	ON/OFF. DIMMING.		30 MIN		DIM DOWN TO 75% UPON RECEIVING DEMAND RESPOND SIGNAL
AV ROOM (WITH PHOTOCELL)	ON/OFF. DIMMING.		30 MIN	DIM DOWN TO 30 FC	DIM DOWN TO 75% UPON RECEIVING DEMAND RESPOND SIGNAL
RESTROOM	ON/OFF. DIMMING.		30 MIN		DIM DOWN TO 75% UPON RECEIVING DEMAND RESPOND SIGNAL
VESTIBULE, CORRIDOR, HALLWAY	ON/OFF. DIMMING.	15 MIN, DIM DOWN TO 50% 30 MIN, OFF			DIM DOWN TO 75% UPON RECEIVING DEMAND RESPOND SIGNAL
VESTIBULE, CORRIDOR, HALLWAY (WITH PHOTOCELL)	ON/OFF. DIMMING.	15 MIN, DIM DOWN TO 50% 30 MIN, OFF		DIM DOWN TO 15 FC	DIM DOWN TO 75% UPON RECEIVING DEMAND RESPOND SIGNAL
CLASSROOM	ON/OFF. DIMMING.		30 MIN		DIM DOWN TO 75% UPON RECEIVING DEMAND RESPOND SIGNAL
CLASSROOM (WITH PHOTOCELL)	ON/OFF. DIMMING.		30 MIN	DIM DOWN TO 30 FC	DIM DOWN TO 75% UPON RECEIVING DEMAND RESPOND SIGNAL
OFFICE LOBBY	ON/OFF. DIMMING.	30 MIN			DIM DOWN TO 75% UPON RECEIVING DEMAND RESPOND SIGNAL
OFFICE LOBBY (WITH PHOTOCELL)	ON/OFF. DIMMING.	30 MIN		DIM DOWN TO 30 FC	DIM DOWN TO 75% UPON RECEIVING DEMAND RESPOND SIGNAL
COPIER	ON/OFF. DIMMING.		30 MIN		DIM DOWN TO 75% UPON RECEIVING DEMAND RESPOND SIGNAL
COPIER (WITH PHOTOCELL)	ON/OFF. DIMMING.		30 MIN	DIM DOWN TO 30 FC	DIM DOWN TO 75% UPON RECEIVING DEMAND RESPOND SIGNAL
OFFICE	ON/OFF. DIMMING.		30 MIN		DIM DOWN TO 75% UPON RECEIVING DEMAND RESPOND SIGNAL
OFFICE (WITH PHOTOCELL)	ON/OFF. DIMMING.		30 MIN	DIM DOWN TO 30 FC	DIM DOWN TO 75% UPON RECEIVING DEMAND RESPOND SIGNAL

GENERAL NOTES:
1. DEMAND RESPONSE CONTROLS CAPABILITY PROVIDED VIA CENTRALIZED PC CONTROL WITH CAPABILITY TO REDUCE TOTAL BUILDING LIGHTING POWER BY MIN 15%.
2. GENERAL LIGHTING POWER REDUCED BY MIN 65% WHEN DAYLIT ILLUMINANCE REACHES 150% OF DESIGN ILLUMINANCE.
3. COORDINATE WITH MANUFACTURER TO FINALIZE PHOTOSENSOR MOUNTING AND LOCATION SO THAT SENSORS PROPERLY DETECT FOOT-CANDLE LEVELS AT WORK PLANE.
4. PHOTOSENSOR SHALL DIM LIGHTING DOWN AS INDICATED IN DAYLIGHT HARVESTING COLUMN (AT WORK PLANE), UON ABOVE. SEE DAYLIGHT HARVESTING COLUMN FOR TARGET DESIGN FOOT-CANDLE LEVELS IN DAYLIT AREAS.
5. WATTSTOPPER DIGITAL LIGHTING MANAGEMENT (FOR INTERIOR).
6. LIGHTING CONTROL SENSORS AND DIMMING SETTINGS SHALL BE CALIBRATED AFTER FURNITURE AND FINAL FINISHES ARE INSTALLED FOR PROPER OPERATIONAL CONDITIONS.
7. LIGHTING CONTROL SYSTEM SHALL HAVE CAPABILITY TO INTERFACE WITH BAS VIA WATTSTOPPER DLM'S NETWORK BRIDGE.
8. DRIVERS AND CONTROL INTERFACE DEVICES SHALL BE CAPABLE OF DIMMING LIGHTING DOWN VIA PHOTOSENSOR. FOOT-CANDLE SETTINGS AS INDICATED IN SCHEDULE.
9. DURING NIGHT TIME HOURS, LIGHTING SHALL DIM DOWN FROM DAYTIME TARGET LEVELS AS INDICATED ABOVE. MANUAL OVERRIDE WILL ALLOW DIM UP/DOWN.
10. NO OUTDOOR LIGHTING IN PROJECT SCOPE.
11. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING HEIGHTS AND LOCATIONS OF SWITCHES.
12. PROVIDE TYPED OR ENGRAVED LABEL AT FACEPLATE TO IDENTIFY ROOM/LOCATION FOR ALL WALL LIGHT SWITCHES.
13. FINAL SELECTION AND LOCATIONS OF MANUAL CONTROL DEVICES (WALL MOUNT BUTTON CONTROL SWITCHES WITH DIMMER) SHALL BE APPROVED BY ARCHITECT AND ENGINEER. SUBMIT FOR APPROVAL.
14. OCCUPANCY SENSOR SHALL DETECT OCCUPANT. UPON NO DETECTION, TIME DELAY SET TO AUTOMATIC OFF. MANUAL CONTROL OVERRIDE SHALL ALLOW FOR DIM UP/DOWN. MANUAL CONTROL SWITCH SHALL PROVIDE ALL ON/OFF.
15. VACANCY SENSOR SETTING = MANUAL ON/AUTO OFF. OCCUPANCY SENSOR SETTINGS = AUTO ON/AUTO OFF.
16. COORDINATE FINAL SEQUENCE OF OPERATIONS, OVERRIDE SCHEDULES, AND TIME DELAY SETTINGS WITH DISTRICT. PROVIDE MANUFACTURER SEQUENCE OF OPERATION FOR APPROVAL.
17. PROVIDE ELCU FOR EMERGENCY LIGHTING CIRCUITS. UPON LOSS OF NORMAL POWER, ELCU SHALL TRANSFER TO BATTERY PACK POWER AND BRING FIXTURE TO FULL BRIGHTNESS. UPON RETURN TO NORMAL POWER FIXTURES SHALL BE CONTROLLED WITH ROOM LIGHTING CONTROLS.
18. PROVIDE MOBILE PROGRAMMING DEVICE FOR PROGRAMMING LIGHTING CONTROLS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
19. SEE DEMAND RESPONSE LIGHTING POWER REDUCTION COLUMN FOR TARGET REDUCTION REQUIREMENTS.

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SCHEDULES

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2E002

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

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EQUIPMENT SCHEDULE

EQUIPMENT DESIGNATION	EQUIPMENT TYPE	LOCATION	PACKAGE UNITS MCA	PACKAGE UNITS MOCP	AMPS	HORSEPOWER	KVA	VOLTAGE/PHASE, QTY WIRES	CONNECTION TO EMS	INTERLOCK WITH	MOTOR STARTERS TYPE	MOTOR STARTERS STARTER NEMA SIZE	MOTOR STARTERS AUXILIARY DEVICES IN STARTERS	CONTROL DEVICES	CONNECTION TO FA PANEL	CONTROL WIRING AS REQUIRED	FUSED DISCONNECT SWITCH	LOCKOUT TOGGLE SWITCH	PANEL AND CIRCUIT NO	CONDUIT (IN)	POWER WIRING	REMARKS
WH-2-1	WATER HEATER	BLDG 2		30			3.0	120/1, 2W										E		3/4	(2) #8 + (1) #10	
EF-5-502	EXHAUST FAN	BLDG 5		20		1/4		120/1, 2W										E		3/4	(2) #12 + (1) #12	CONTROLLED VIA LIGHTING OCCUPANCY SENSOR AND LIGHTING WALL SWITCH.
EF-5-504	EXHAUST FAN	BLDG 5		20		1/4		120/1, 2W										E		3/4	(2) #12 + (1) #12	CONTROLLED VIA LIGHTING OCCUPANCY SENSOR AND LIGHTING WALL SWITCH.
F&CC-9-29	GAS FIRED FURNACE	BLDG 9	13.0	20				120/1, 2W										E				
F&CC-9-30	GAS FIRED FURNACE	BLDG 9	13.0	20				120/1, 2W										E				
F&CC-9-31	GAS FIRED FURNACE	BLDG 9	13.0	20				120/1, 2W										E				
F&CC-9-32	GAS FIRED FURNACE	BLDG 9	13.0	20				120/1, 2W										E				
F&CC-9-33	GAS FIRED FURNACE	BLDG 9	13.0	20				120/1, 2W										E				
F&CC-9-34	GAS FIRED FURNACE	BLDG 9	13.0	20				120/1, 2W										E				
CU-9-29	CONDENSING UNIT	BLDG 9	8.1	20				480/3, 3W									E					
CU-9-30	CONDENSING UNIT	BLDG 9	8.1	20				480/3, 3W									E					
CU-9-31	CONDENSING UNIT	BLDG 9	8.1	20				480/3, 3W									E					
CU-9-32	CONDENSING UNIT	BLDG 9	8.1	20				480/3, 3W									E					
CU-9-33	CONDENSING UNIT	BLDG 9	8.1	20				480/3, 3W									E					
CU-9-34	CONDENSING UNIT	BLDG 9	8.1	20				480/3, 3W									E					
F&CC-10-35	GAS FIRED FURNACE	BLDG 10	13.0	20				120/1, 2W										E				
F&CC-10-36	GAS FIRED FURNACE	BLDG 10	13.0	20				120/1, 2W										E				
F&CC-10-37	GAS FIRED FURNACE	BLDG 10	13.0	20				120/1, 2W										E				
F&CC-10-38	GAS FIRED FURNACE	BLDG 10	13.0	20				120/1, 2W										E				
F&CC-10-39	GAS FIRED FURNACE	BLDG 10	13.0	20				120/1, 2W										E				
F&CC-10-40	GAS FIRED FURNACE	BLDG 10	13.0	20				120/1, 2W										E				
CU-10-35	CONDENSING UNIT	BLDG 10	8.1	20				480/3, 3W									E					
CU-10-36	CONDENSING UNIT	BLDG 10	8.1	20				480/3, 3W									E					
CU-10-37	CONDENSING UNIT	BLDG 10	8.1	20				480/3, 3W									E					
CU-10-38	CONDENSING UNIT	BLDG 10	8.1	20				480/3, 3W									E					
CU-10-39	CONDENSING UNIT	BLDG 10	8.1	20				480/3, 3W									E					
CU-10-40	CONDENSING UNIT	BLDG 10	8.1	20				480/3, 3W									E					

AC	AUXILIARY CONTACTS, 1 NC, 1 NO	CNTR	CONTRACTOR	HOA	3 - POSITION SELECTOR SWITCH (HAND/OFF/AUTO)	NC	NORMALLY CLOSED	SP	SUPERVISORY ALARM PANEL
AC2	AUXILIARY CONTACTS, 2 NC, 2 NO	CR	CONTROL RELAY			NO	NORMALLY OPEN	SSA	3 - POSITION SELECTOR SWITCH (START/STOP/AUTO) SPRING
B	FURNISHED BY OWNER & INSTALLED BY ELECTRICAL CONTRACTOR	CPT	CONTROL POWER TRANSFORMER	M	FURNISHED BY MECHANICAL & INSTALLED BY ELECTRICAL CONTRACTOR	O	FURNISHED & INSTALLED BY OTHER DIVISIONS		RELEASE TYPE TO AUTO POSITION
CMCP	COMBINATION MOTOR STARTER WITH MOTOR CIRCUIT PROTECTOR	E	FURNISHED & INSTALLED BY ELECTRICAL CONTRACTOR	MCA	MINIMUM CIRCUIT AMPS	OL	OVERLOAD RELAY	SS	ELECTRONIC SOFT STARTER
		EMS	ENERGY MANAGEMENT SYSTEM	MOCP	MAXIMUM OVER CURRENT PROTECTION	PL	LED PILOT LIGHT RED ON, GREEN OFF	TS	TIME SWITCH
CMFS	COMBINATION MOTOR STARTER WITH FUSED SWITCH	EPO	EMERGENCY POWER OFF BUTTON	MAN	MANUAL STARTER (<10HP)	PS	START/STOP PUSH BUTTON	VFD	VARIABLE FREQUENCY DRIVE
		FA	FIRE ALARM	MS	MAGNETIC STARTER	SD	SMOKE DETECTOR	WP	WEATHERPROOF
						SM	ON/OFF TOGGLE DISCONNECT @ MOTOR		

NOTES:
1. EQUIPMENT SCHEDULE ABBREVIATIONS DO NOT APPLY TO EQUIPMENT DESIGNATION COLUMN.
2. VERIFY CB/FUSE AND WIRING REQUIREMENTS WITH SUBMITTALS PRIOR TO WIRING UNITS.
3. PROVIDE FUSED DISCONNECTS FOR ALL NEW MECHANICAL UNITS.

AGENCY APPROVAL DSA# 01-121407

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PROFESSIONAL STAMP

REVISIONS

NO.	DATE	DESCRIPTION

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MT. DIABLO ES MODERNIZATION
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Clayton, CA 94517

SHEET TITLE
SCHEDULES

INCREMENT: INC. 2

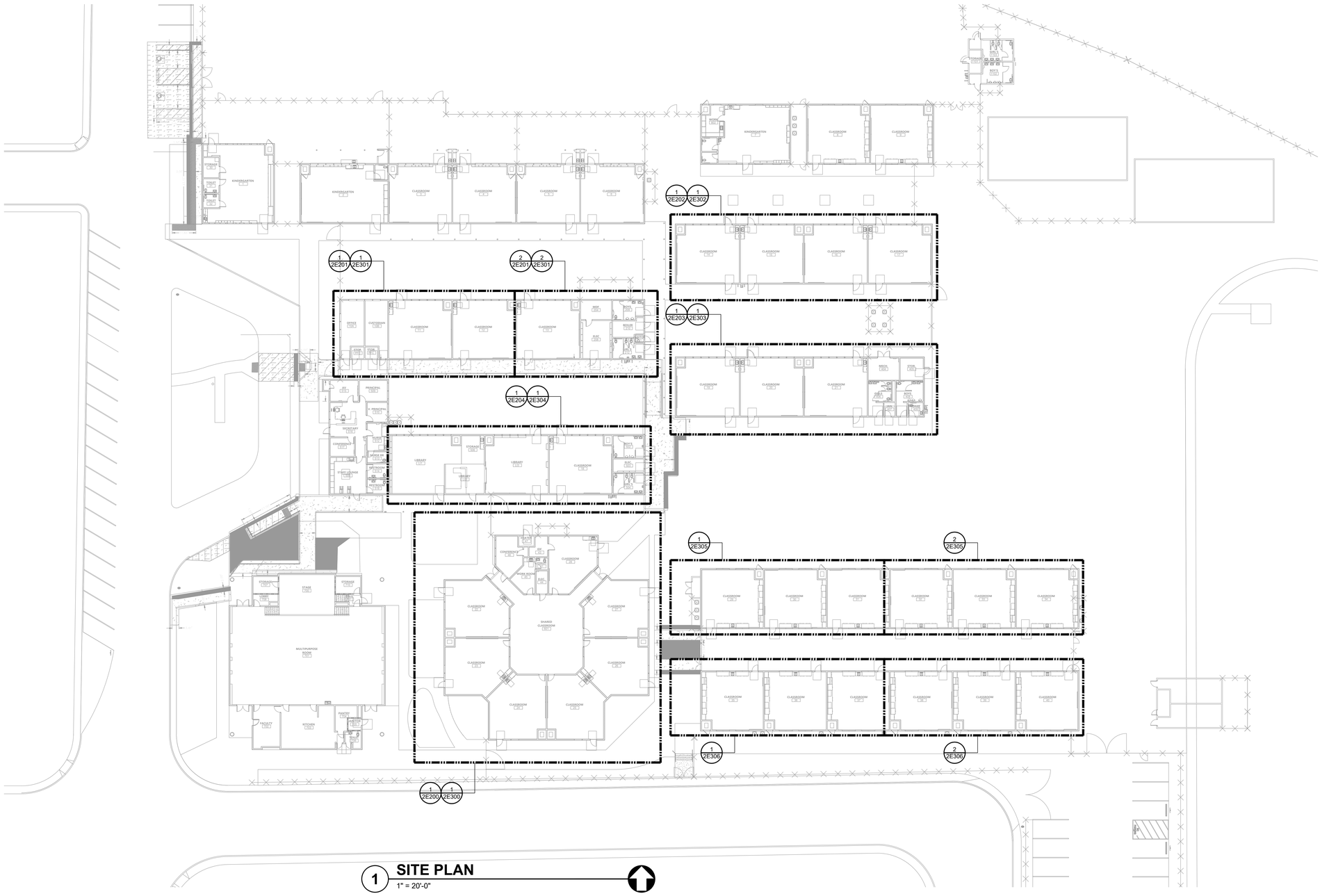
DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2E003

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

FILE LOCATION: G:\shared drives\01_projects\madi architecture_4702347.50 - mount diablo usd modernization\05_drawings\01_DWGs\Mt Diablo\inc 2\2347.50 - MD - 2E000 - General Information.dwg
LAST SAVED ON: 10/09/24 at 9:30am, PLOTTED ON: 10/13/24 at 2:59pm
DATE PLOTTED: 8/29/2023 11:46:30 AM FILE LOCATION: C:\Users\SkimDocuments\23120.01_MTDUSD_MT DIABLO ES MODERNIZATION_A23_skim32Q7M.rvt



1 **SITE PLAN**
1" = 20'-0"

GENERAL NOTES

A. AREA MAY CONTAIN UNDERGROUND RACEWAY. SITE LOCATE ALL EXISTING UNDERGROUND RACEWAY IN THIS AREA BEFORE TRENCHING. MAINTAIN EXTREME CARE WHEN TRENCHING.

B. COORDINATE EXACT LOCATIONS OF ALL ARCHITECTURAL, MECHANICAL, PLUMBING, LANDSCAPING AND CIVIL EQUIPMENT WITH ARCHITECTURAL, MECHANICAL, PLUMBING, LANDSCAPING AND CIVIL DRAWINGS.

C. SIZE FUSES FOR ALL FUSED SWITCHES PER SUPPLIED EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.

D. CERTAIN FEEDER AND BRANCH CIRCUIT WIRE SIZES SHALL BE SIZED TO COMPENSATE FOR VOLTAGE DROP. SPLICE WIRES TO COMPATIBLE SIZES FOR TERMINATION, ADJACENT TO EQUIPMENT CONNECT AS REQUIRED.

E. CONTRACTOR SHALL SIZE ALL IN GRADE PULL BOXES PER CODE OR FOR THEIR CONVENIENCE FOR PULLING WIRE, WHICHEVER IS LARGER.

F. OUTDOOR ELECTRICAL EQUIPMENT AND DEVICES SHALL BE PROVIDED WITH NEMA 3R RATED ENCLOSURES.

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SHEET TITLE
SITE PLAN

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2E100

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

FILE LOCATION: G:\shared drives\01_projects\madi architecture_47\2347.50 - mount diablo usd modernization\05_drawings\01_DWGs\Mt Diablo\Inc 2\2347.50 - MD - 2E100 - Site Plan.dwg
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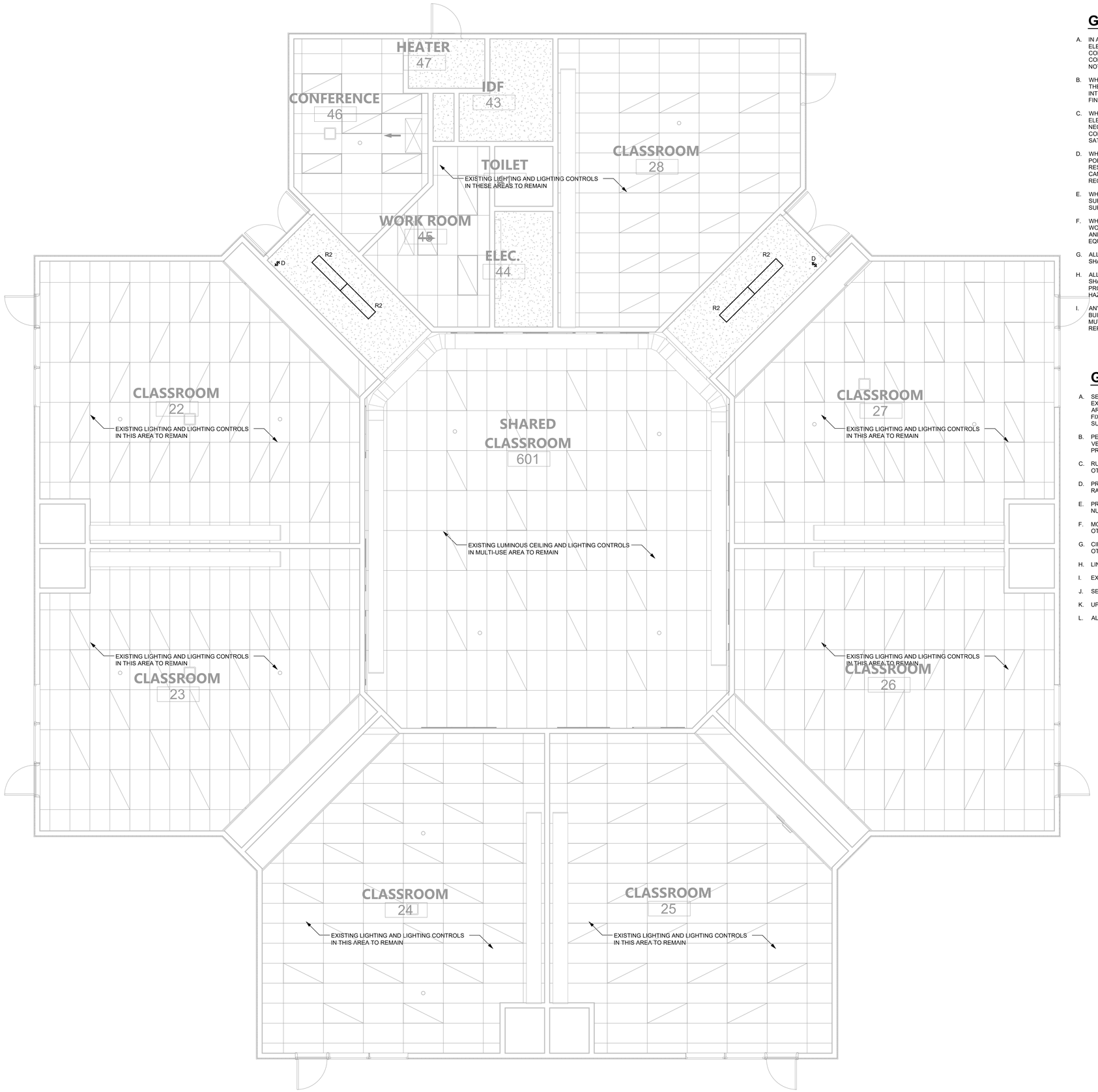

1 **BLDG 6 - LIGHTING PLAN**
1/4" = 1'-0"

GENERAL DEMOLITION NOTES

A. IN AREAS INDICATED TO BE RENOVATED, REMOVE THAT PORTION OF THE EXISTING ELECTRICAL INSTALLATION INCLUDING, BUT NOT LIMITED TO, ALL LUMINAIRES, LIGHTING CONTROL DEVICES, WIRING, AND CONDUITS. ALL UNUSED WIRING AND EXPOSED CONDUIT SHALL BE REMOVED BACK TO POINT OF CONCEALMENT, UNLESS OTHERWISE NOTED.

B. WHERE CONDUIT TO BE REMOVED ENTERS CONCRETE (OR SIMILAR) FLOORS AND WALLS, THE CONDUIT MAY BE ABANDONED IN THE CONCRETE. REMOVE CONDUIT FAR ENOUGH INTO THE CONCRETE TO ALLOW FOR THE INSTALLATION OF NORMAL THICKNESS OF FINISH MATERIAL.

C. WHEN THE WORK NECESSITATES RELOCATION OF EXISTING CONDUIT, WIRING, OR ELECTRICAL EQUIPMENT, THE CONTRACTOR SHALL PERFORM ALL WORK AND MAKE ALL NECESSARY CHANGES TO EXISTING WORK AS MAY BE REQUIRED TO LEAVE THE COMPLETED WORK IN A FINISHED AND WORKMANLIKE CONDITION TO THE ENTIRE SATISFACTION OF THE ENGINEER.

D. WHERE ELECTRICAL SYSTEMS PASS THROUGH THE RENOVATED AREAS TO SERVE OTHER PORTIONS OF THE PREMISES, THEY SHALL BE SUITABLY RELOCATED AND THE SYSTEM RESTORED TO NORMAL OPERATION. WHERE DURATION OF PROPOSED OUTAGES CANNOT BE TOLERATED BY THE OWNER, PROVIDE TEMPORARY CONNECTION AS REQUIRED TO MAINTAIN SERVICE WITH THE MINIMUM DISRUPTION POSSIBLE.

E. WHERE REMOVAL WORK IS PERFORMED, THE CONTRACTOR SHALL REPAIR ALL BUILDING SURFACES DAMAGED BY SUCH WORK. PROVIDE FINISHES TO MATCH EXISTING ADJACENT SURFACES.

F. WHILE PERFORMING CONNECTIONS AND/OR ALTERATIONS TO EXISTING ELECTRICAL WORK, TAKE EXTREME CARE TO PROTECT ALL EXISTING EQUIPMENT FROM DIRT, DEBRIS, AND DAMAGE. ALL DAMAGE TO SUCH EQUIPMENT SHALL BE REPAIRED AND/OR EQUIPMENT REPLACED AT THE CONTRACTOR'S EXPENSE.

G. ALL REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER AND SHALL BE EXECUTED WITH THE LEAST POSSIBLE DISTURBANCE TO THE BUILDING.

H. ALL EXISTING ELECTRICAL MATERIALS NOT REUSED AND NOT SALVAGED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN A PROPER MANNER OFF OF THE PROJECT SITE. CARE SHOULD BE TAKEN TO DISPOSE OF HAZARDOUS MATERIALS PER REQUIRED GUIDELINES.

I. ANY ELECTRICAL WORK, WHICH WILL INTERFERE WITH THE NORMAL USE OF THE BUILDING IN ANY MANNER, SHALL BE DONE AT SUCH TIME OR TIMES AS SHALL BE MUTUALLY AGREED UPON BETWEEN THE CONTRACTOR AND THE OWNER'S REPRESENTATIVE.

GENERAL NOTES

A. SEE ARCHITECTURAL DOCUMENTS FOR EXACT PLACEMENT OF ALL LIGHT FIXTURES, EXPOSED CONTROL DEVICES AND LIGHT SWITCHES. VERIFY CEILING TYPE WITH ARCHITECTURAL DOCUMENTS AND COORDINATE TRIMS. PROVIDE ALL REQUIRED FIXTURE MOUNTING HARDWARE. COORDINATE FIXTURE TYPES WITH MOUNTING SURFACE PRIOR TO ORDERING.

B. PENDANT FIXTURES SHALL BE FREE TO SWING A MINIMUM OF 45 DEGREES FROM THE VERTICAL IN ALL DIRECTIONS WITHOUT CONTACTING OBSTRUCTIONS, OTHERWISE PROVIDE SEISMIC RESTRAINT.

C. RUN ALL INTERIOR CONDUIT IN FINISHED INTERIOR AREAS CONCEALED UNLESS OTHERWISE NOTED.

D. PROVIDE U.L. LISTED FIRE STOP ENCLOSURES FOR ALL RECESSED FIXTURES IN FIRE RATED CEILINGS.

E. PROVIDE SINGLE PLATE WALL COVER FOR MULTIPLE SWITCHES. SEE DRAWINGS FOR NUMBER OF SWITCHES IN SPECIFIC LOCATIONS.

F. MOUNT WALL MOUNTED OCCUPANCY SENSORS AT 8'-0" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED.

G. CIRCUIT ALL LIGHT FIXTURES ON THIS SHEET TO EXISTING LIGHTING CIRCUIT, UNLESS OTHERWISE NOTED.

H. LINEAR FIXTURES WITH INTEGRAL SENSORS. SEE LUMINAIRE SCHEDULE.

I. EXIT SIGNS SHALL BE UNSWITCHED.

J. SEE SHEET 1E402 FOR LIGHT FIXTURE MOUNTING DETAILS.

K. UPDATE PANEL DIRECTORIES IN TYPE-WRITTEN FORMAT UPON COMPLETION OF WORK.

L. ALL FINISHES SHALL BE WHITE. COORDINATE FINAL FINISHES WITH ARCHITECT.

AGENCY APPROVAL DSA# 01-121407

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SHEET TITLE
LIGHTING PLANS

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2E200

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

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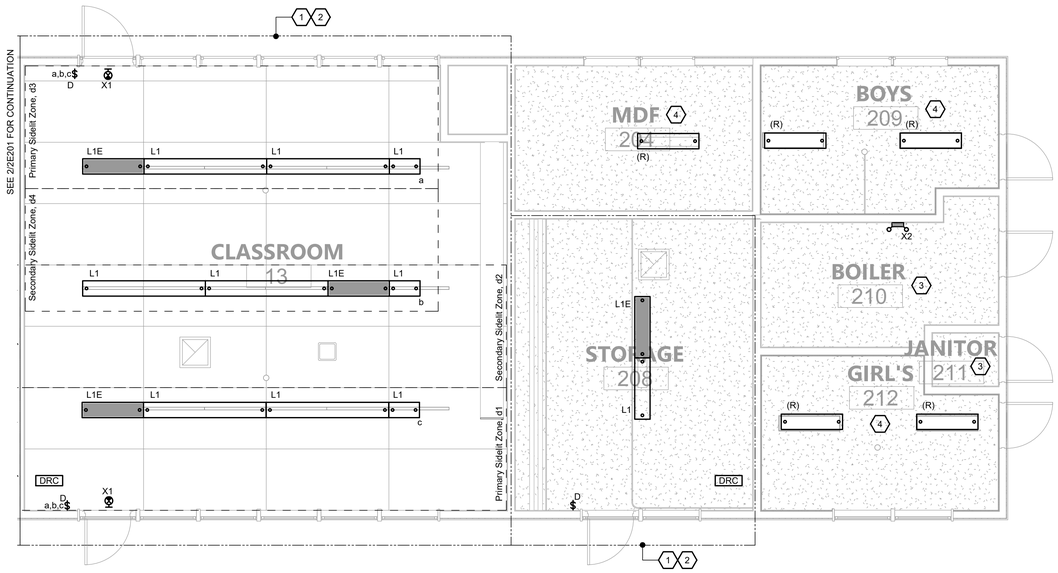
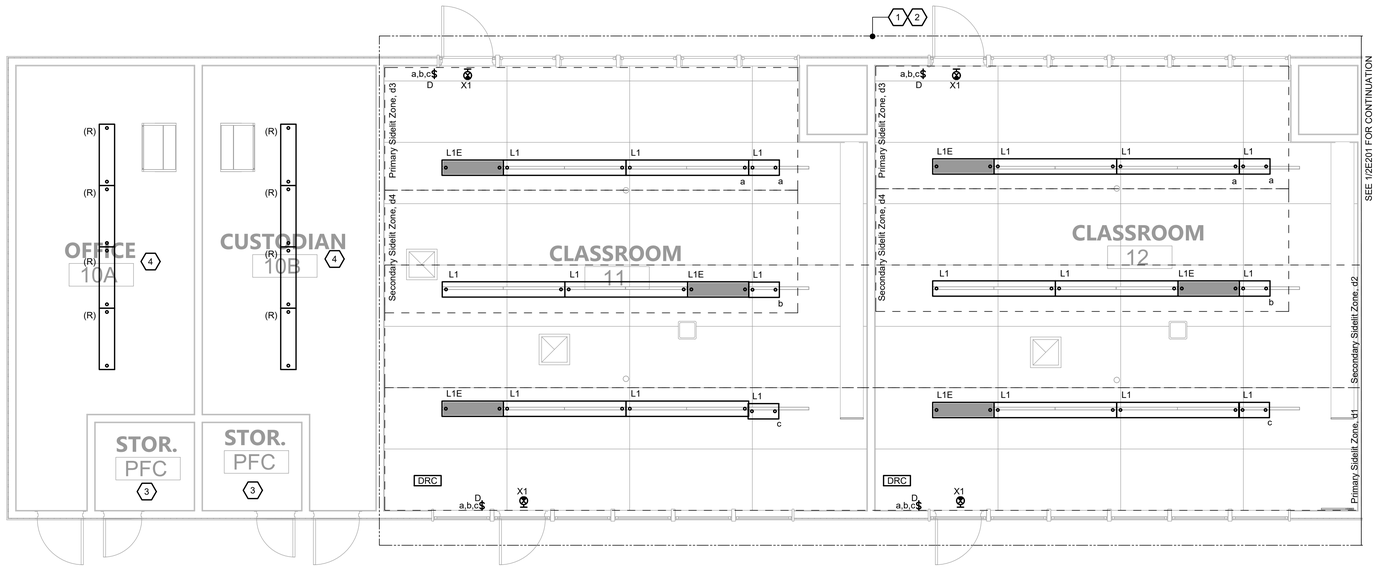
LAST SAVED ON: 10/09/24 at 2:54pm, PLOTTED ON: 10/13/24 at 2:59pm

DATE PLOTTED: 8/29/2023 11:46:30 AM FILE LOCATION: C:\Users\SkimlDocuments\23120.01_MTDUSD_MT DIABLO ES MODERNIZATION_A23_skim3QQ7M.rvt



1 BLDG 2 - LIGHTING PLAN

1/4" = 1'-0"



2 BLDG 2 - LIGHTING PLAN

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J. SEE SHEET 1E402 FOR LIGHT FIXTURE MOUNTING DETAILS.

K. UPDATE PANEL DIRECTORIES IN TYPE-WRITTEN FORMAT UPON COMPLETION OF WORK.

L. ALL FINISHES SHALL BE WHITE. COORDINATE FINAL FINISHES WITH ARCHITECT.

SHEET NOTES

1. REMOVE EXISTING LIGHTING AND EXISTING LIGHTING CONTROLS. MAINTAIN EXISTING CIRCUITRY FOR EXTENSION AND RECONNECTION TO NEW LIGHT FIXTURES.
2. REPLACE DEMOLISHED LIGHTING AND LIGHTING CONTROLS WITH NEW AS SHOWN. CONNECT NEW LIGHTING TO EXISTING LIGHTING CIRCUIT(S) SPARED FROM DEMOLITION WORK. AVOID OVERLOAD CONDITION SO THAT THE TOTAL CAPACITY OF THE EXISTING 20A/1P CIRCUIT BREAKER SHALL NOT EXCEED 80% OF RATING.
3. EXISTING LIGHTING AND CONTROLS TO REMAIN, THIS ROOM.
4. REMOVE AND REINSTALL (E) LIGHTING IN THIS ROOM. RECONNECT TO (E) CONTROLS.

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MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
LIGHTING PLANS

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2E201

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

FILE LOCATION: G:\shared drives\01_projects\madi architecture_4\23347.50 - mount diablo usd modernization\05_drawings\01_DWGs\Mt Diablo\Inc 2\23347.50 - MD - 2E200 - Lighting Plan.dwg
LAST SAVED ON: 10/08/24 at 2:54pm, PLOTTED ON: 10/13/24 at 2:59pm
DATE PLOTTED: 8/29/2023 11:46:30 AM FILE LOCATION: C:\Users\SkimDocuments\23120.01_MTDUSD_MT DIABLO ES MODERNIZATION_A23_skim32Q7M.rvt

SHEET NOTES

1. DISCONNECT AND REINSTALL EXISTING WALL MOUNT LIGHT SWITCHES AND EXIT SIGNS AT SAME LOCATION, UNLESS OTHERWISE NOTED. INTERCEPT AND EXTEND WIRING AND CONDUIT AS REQUIRED FOR A COMPLETE INSTALL. EXISTING DEVICES SHOWN ON PLAN FOR REFERENCE ONLY. ANY EXISTING ELECTRICAL DEVICES THAT ARE NO LONGER IN WORKING CONDITION SHALL BE REPLACED-IN-KIND. FIELD VERIFY EXISTING DEVICES PRIOR TO COMMENCEMENT OF WORK.
2. EXISTING CEILING MOUNT LIGHTING, LIGHTING CONTROLS, AND EXIT SIGNS TO REMAIN.

GENERAL DEMOLITION NOTES

A. IN AREAS INDICATED TO BE RENOVATED, REMOVE THAT PORTION OF THE EXISTING ELECTRICAL INSTALLATION INCLUDING, BUT NOT LIMITED TO, ALL LUMINAIRES, LIGHTING CONTROL DEVICES, WIRING, AND CONDUITS. ALL UNUSED WIRING AND EXPOSED CONDUIT SHALL BE REMOVED BACK TO POINT OF CONCEALMENT, UNLESS OTHERWISE NOTED.

B. WHERE CONDUIT TO BE REMOVED ENTERS CONCRETE (OR SIMILAR) FLOORS AND WALLS, THE CONDUIT MAY BE ABANDONED IN THE CONCRETE. REMOVE CONDUIT FAR ENOUGH INTO THE CONCRETE TO ALLOW FOR THE INSTALLATION OF NORMAL THICKNESS OF FINISH MATERIAL.

C. WHEN THE WORK NECESSITATES RELOCATION OF EXISTING CONDUIT, WIRING, OR ELECTRICAL EQUIPMENT, THE CONTRACTOR SHALL PERFORM ALL WORK AND MAKE ALL NECESSARY CHANGES TO EXISTING WORK AS MAY BE REQUIRED TO LEAVE THE COMPLETED WORK IN A FINISHED AND WORKMANLIKE CONDITION TO THE ENTIRE SATISFACTION OF THE ENGINEER.

D. WHERE ELECTRICAL SYSTEMS PASS THROUGH THE RENOVATED AREAS TO SERVE OTHER PORTIONS OF THE PREMISES, THEY SHALL BE SUITABLY RELOCATED AND THE SYSTEM RESTORED TO NORMAL OPERATION. WHERE DURATION OF PROPOSED OUTAGES CANNOT BE TOLERATED BY THE OWNER, PROVIDE TEMPORARY CONNECTION AS REQUIRED TO MAINTAIN SERVICE WITH THE MINIMUM DISRUPTION POSSIBLE.

E. WHERE REMOVAL WORK IS PERFORMED, THE CONTRACTOR SHALL REPAIR ALL BUILDING SURFACES DAMAGED BY SUCH WORK. PROVIDE FINISHES TO MATCH EXISTING ADJACENT SURFACES.

F. WHILE PERFORMING CONNECTIONS AND/OR ALTERATIONS TO EXISTING ELECTRICAL WORK, TAKE EXTREME CARE TO PROTECT ALL EXISTING EQUIPMENT FROM DIRT, DEBRIS, AND DAMAGE. ALL DAMAGE TO SUCH EQUIPMENT SHALL BE REPAIRED AND/OR EQUIPMENT REPLACED AT THE CONTRACTOR'S EXPENSE.

G. ALL REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER AND SHALL BE EXECUTED WITH THE LEAST POSSIBLE DISTURBANCE TO THE BUILDING.

H. ALL EXISTING ELECTRICAL MATERIALS NOT REUSED AND NOT SALVAGED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN A PROPER MANNER OFF OF THE PROJECT SITE. CARE SHOULD BE TAKEN TO DISPOSE OF HAZARDOUS MATERIALS PER REQUIRED GUIDELINES.

I. ANY ELECTRICAL WORK, WHICH WILL INTERFERE WITH THE NORMAL USE OF THE BUILDING IN ANY MANNER, SHALL BE DONE AT SUCH TIME OR TIMES AS SHALL BE MUTUALLY AGREED UPON BETWEEN THE CONTRACTOR AND THE OWNER'S REPRESENTATIVE.

GENERAL NOTES

A. SEE ARCHITECTURAL DOCUMENTS FOR EXACT PLACEMENT OF ALL LIGHT FIXTURES, EXPOSED CONTROL DEVICES AND LIGHT SWITCHES. VERIFY CEILING TYPE WITH ARCHITECTURAL DOCUMENTS AND COORDINATE TRIMS. PROVIDE ALL REQUIRED FIXTURE MOUNTING HARDWARE. COORDINATE FIXTURE TYPES WITH MOUNTING SURFACE PRIOR TO ORDERING.

B. PENDANT FIXTURES SHALL BE FREE TO SWING A MINIMUM OF 45 DEGREES FROM THE VERTICAL IN ALL DIRECTIONS WITHOUT CONTACTING OBSTRUCTIONS, OTHERWISE PROVIDE SEISMIC RESTRAINT.

C. RUN ALL INTERIOR CONDUIT IN FINISHED INTERIOR AREAS CONCEALED UNLESS OTHERWISE NOTED.

D. PROVIDE U.L. LISTED FIRE STOP ENCLOSURES FOR ALL RECESSED FIXTURES IN FIRE RATED CEILINGS.

E. PROVIDE SINGLE PLATE WALL COVER FOR MULTIPLE SWITCHES. SEE DRAWINGS FOR NUMBER OF SWITCHES IN SPECIFIC LOCATIONS.

F. MOUNT WALL MOUNTED OCCUPANCY SENSORS AT 8'-0" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED.

G. CIRCUIT ALL LIGHT FIXTURES ON THIS SHEET TO EXISTING LIGHTING CIRCUIT, UNLESS OTHERWISE NOTED.

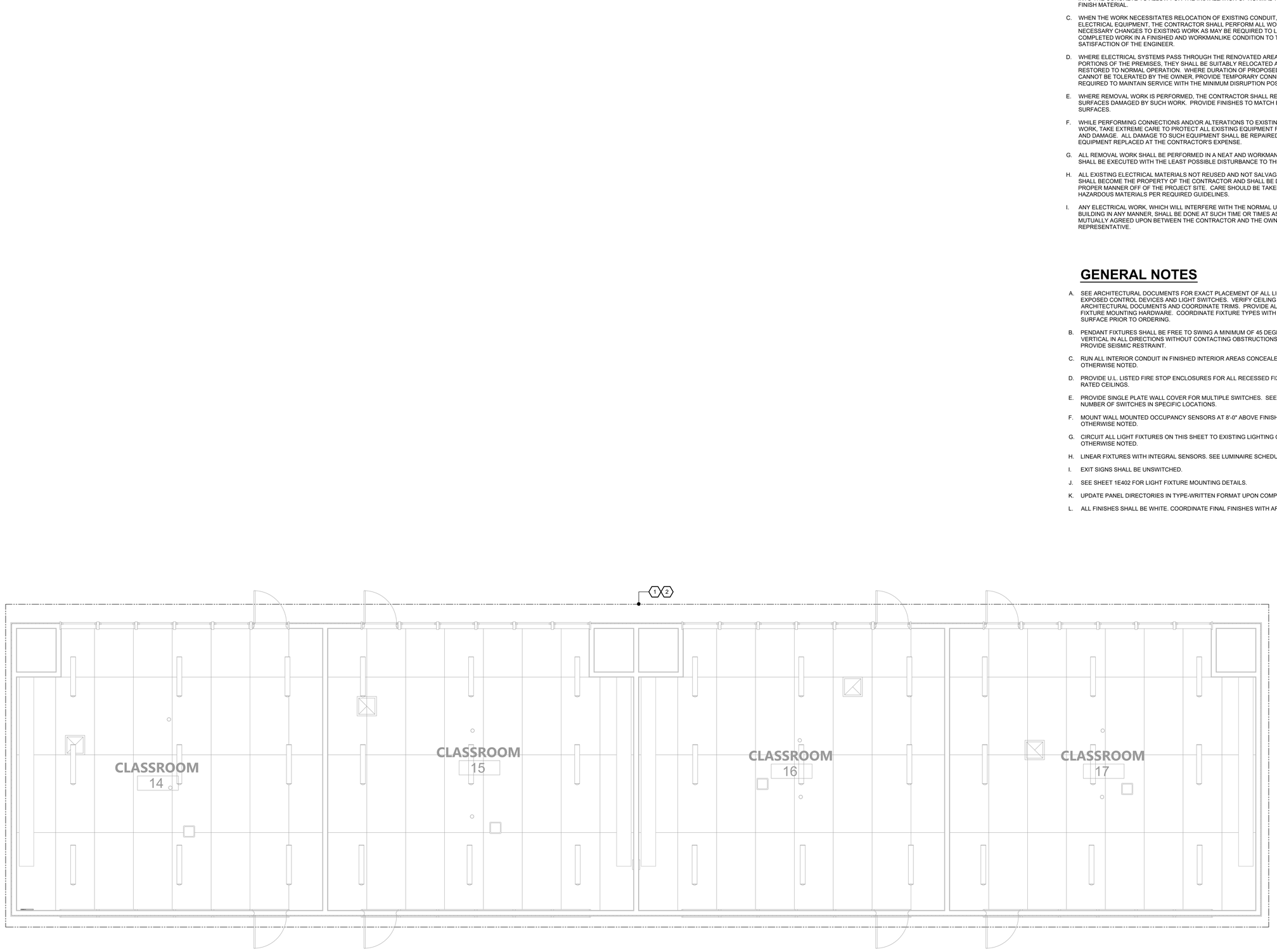
H. LINEAR FIXTURES WITH INTEGRAL SENSORS. SEE LUMINAIRE SCHEDULE.

I. EXIT SIGNS SHALL BE UNSWITCHED.

J. SEE SHEET 1E402 FOR LIGHT FIXTURE MOUNTING DETAILS.

K. UPDATE PANEL DIRECTORIES IN TYPE-WRITTEN FORMAT UPON COMPLETION OF WORK.

L. ALL FINISHES SHALL BE WHITE. COORDINATE FINAL FINISHES WITH ARCHITECT.



1 **BLDG 3 - LIGHTING PLAN**
1/4" = 1'-0"

AGENCY APPROVAL DSA# 01-121407

196
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PROFESSIONAL STAMP

REVISIONS

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

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SHEET TITLE
LIGHTING PLANS

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2E202

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

FILE LOCATION: G:\shared drives\01_projects\madi architecture_47\23347.50 - mount diablo usd modernization\05_drawings\01_DWGs\Mt Diablo\Inc 2\23347.50 - MD - 2E200 - Lighting Plan.dwg
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SHEET NOTES

1. REMOVE EXISTING LIGHTING AND EXISTING LIGHTING CONTROLS. MAINTAIN EXISTING CIRCUITRY FOR EXTENSION AND RECONNECTION TO NEW LIGHT FIXTURES.
2. REPLACE DEMOLISHED LIGHTING AND LIGHTING CONTROLS WITH NEW AS SHOWN. CONNECT NEW LIGHTING TO EXISTING LIGHTING CIRCUIT(S) SPARED FROM DEMOLITION WORK. AVOID OVERLOAD CONDITION SO THAT THE TOTAL CAPACITY OF THE EXISTING 20A/1P CIRCUIT BREAKER SHALL NOT EXCEED 80% OF RATING.
3. EXISTING LIGHTING AND CONTROLS TO REMAIN, THIS ROOM.
4. DISCONNECT AND REINSTALL EXISTING WALL MOUNT LIGHT SWITCHES AND EXIT SIGNS AT SAME LOCATION, UNLESS OTHERWISE NOTED. INTERCEPT AND EXTEND WIRING AND CONDUIT AS REQUIRED FOR A COMPLETE INSTALL. EXISTING DEVICES SHOWN ON PLAN FOR REFERENCE ONLY. ANY EXISTING ELECTRICAL DEVICES THAT ARE NO LONGER IN WORKING CONDITION SHALL BE REPLACED-IN-KIND. FIELD VERIFY EXISTING DEVICES PRIOR TO COMMENCEMENT OF WORK.
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C. WHEN THE WORK NECESSITATES RELOCATION OF EXISTING CONDUIT, WIRING, OR ELECTRICAL EQUIPMENT, THE CONTRACTOR SHALL PERFORM ALL WORK AND MAKE ALL NECESSARY CHANGES TO EXISTING WORK AS MAY BE REQUIRED TO LEAVE THE COMPLETED WORK IN A FINISHED AND WORKMANLIKE CONDITION TO THE ENTIRE SATISFACTION OF THE ENGINEER.

D. WHERE ELECTRICAL SYSTEMS PASS THROUGH THE RENOVATED AREAS TO SERVE OTHER PORTIONS OF THE PREMISES, THEY SHALL BE SUITABLY RELOCATED AND THE SYSTEM RESTORED TO NORMAL OPERATION. WHERE DURATION OF PROPOSED OUTAGES CANNOT BE TOLERATED BY THE OWNER, PROVIDE TEMPORARY CONNECTION AS REQUIRED TO MAINTAIN SERVICE WITH THE MINIMUM DISRUPTION POSSIBLE.

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F. WHILE PERFORMING CONNECTIONS AND/OR ALTERATIONS TO EXISTING ELECTRICAL WORK, TAKE EXTREME CARE TO PROTECT ALL EXISTING EQUIPMENT FROM DIRT, DEBRIS, AND DAMAGE. ALL DAMAGE TO SUCH EQUIPMENT SHALL BE REPAIRED AND/OR EQUIPMENT REPLACED AT THE CONTRACTOR'S EXPENSE.

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GENERAL NOTES

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B. PENDANT FIXTURES SHALL BE FREE TO SWING A MINIMUM OF 45 DEGREES FROM THE VERTICAL IN ALL DIRECTIONS WITHOUT CONTACTING OBSTRUCTIONS, OTHERWISE PROVIDE SEISMIC RESTRAINT.

C. RUN ALL INTERIOR CONDUIT IN FINISHED INTERIOR AREAS CONCEALED UNLESS OTHERWISE NOTED.

D. PROVIDE U.L. LISTED FIRE STOP ENCLOSURES FOR ALL RECESSED FIXTURES IN FIRE RATED CEILINGS.

E. PROVIDE SINGLE PLATE WALL COVER FOR MULTIPLE SWITCHES. SEE DRAWINGS FOR NUMBER OF SWITCHES IN SPECIFIC LOCATIONS.

F. MOUNT WALL MOUNTED OCCUPANCY SENSORS AT 8'-0" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED.

G. CIRCUIT ALL LIGHT FIXTURES ON THIS SHEET TO EXISTING LIGHTING CIRCUIT, UNLESS OTHERWISE NOTED.

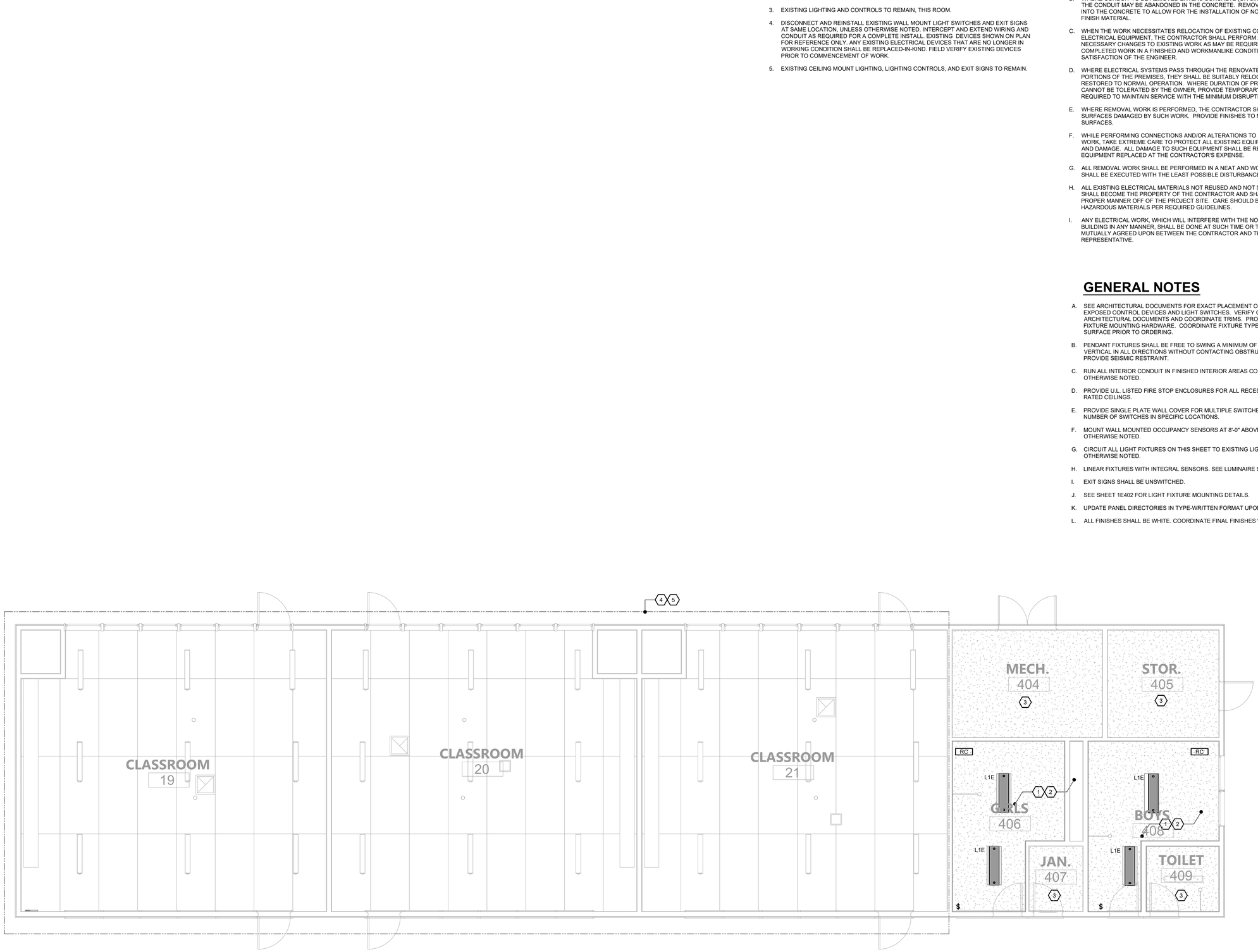
H. LINEAR FIXTURES WITH INTEGRAL SENSORS. SEE LUMINAIRE SCHEDULE.

I. EXIT SIGNS SHALL BE UNSWITCHED.

J. SEE SHEET 1E402 FOR LIGHT FIXTURE MOUNTING DETAILS.

K. UPDATE PANEL DIRECTORIES IN TYPE-WRITTEN FORMAT UPON COMPLETION OF WORK.

L. ALL FINISHES SHALL BE WHITE. COORDINATE FINAL FINISHES WITH ARCHITECT.



1 **BLDG 4 - LIGHTING PLAN**
1/4" = 1'-0"

AGENCY APPROVAL DSA# 01-121407

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PROFESSIONAL STAMP

REVISIONS

NO.	DATE	DESCRIPTION

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SHEET TITLE
LIGHTING PLANS

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2E203

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

FILE LOCATION: G:\shared drives\01_projects\madi architecture_47\23347.50 - mount diablo usd modernization\05_drawings\01_DWGs\Mt Diablo\Inc 2\23347.50 - MD - 2E200 - Lighting Plan.dwg
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3. EXISTING LIGHTING AND CONTROLS TO REMAIN, THIS ROOM.
4. REMOVE AND REINSTALL (E) LIGHTING IN THIS ROOM. RECONNECT TO (E) CONTROLS.

GENERAL DEMOLITION NOTES

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GENERAL NOTES

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E. PROVIDE SINGLE PLATE WALL COVER FOR MULTIPLE SWITCHES. SEE DRAWINGS FOR NUMBER OF SWITCHES IN SPECIFIC LOCATIONS.

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G. CIRCUIT ALL LIGHT FIXTURES ON THIS SHEET TO EXISTING LIGHTING CIRCUIT, UNLESS OTHERWISE NOTED.

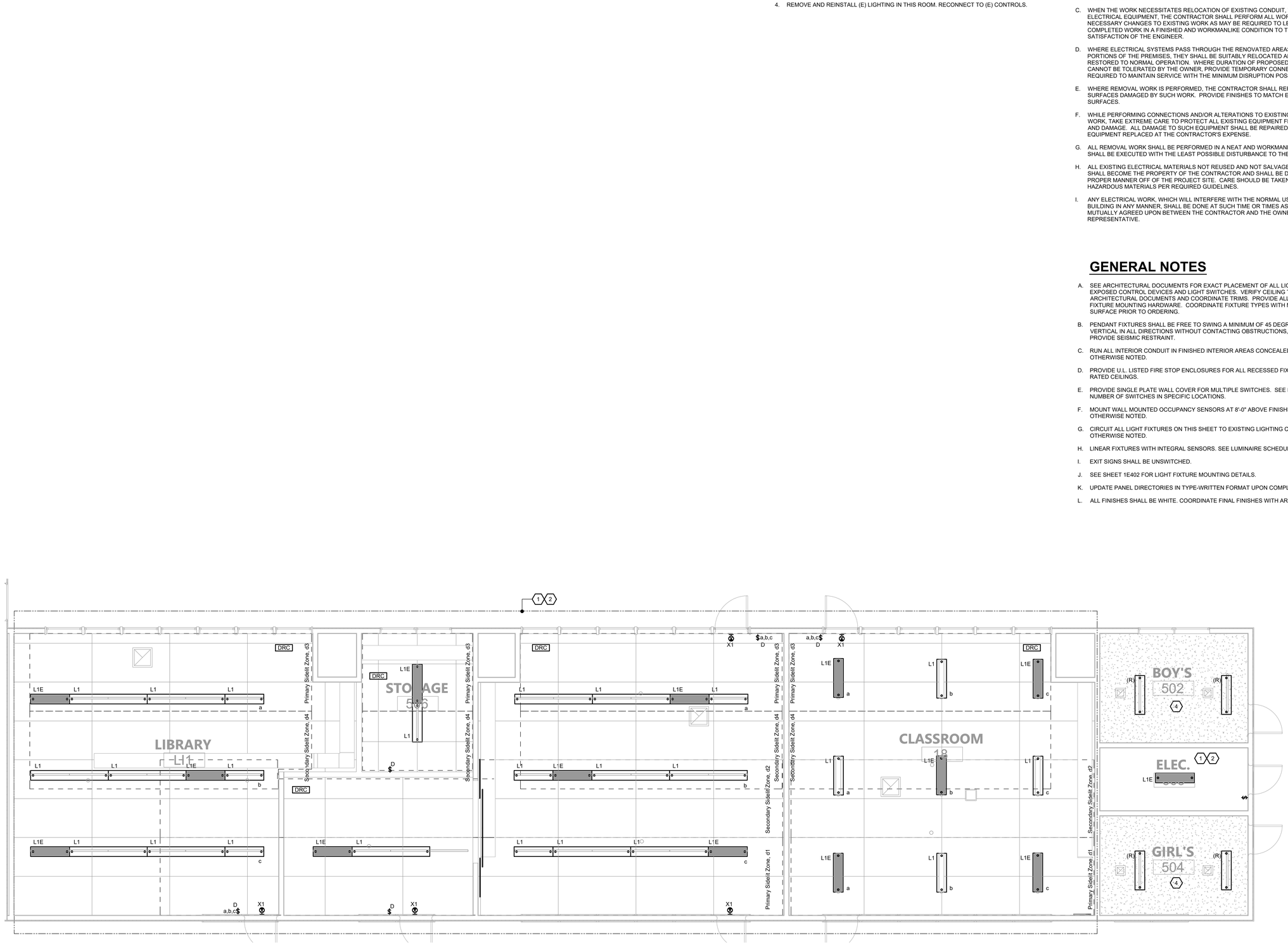
H. LINEAR FIXTURES WITH INTEGRAL SENSORS. SEE LUMINAIRE SCHEDULE.

I. EXIT SIGNS SHALL BE UNSWITCHED.

J. SEE SHEET 1E402 FOR LIGHT FIXTURE MOUNTING DETAILS.

K. UPDATE PANEL DIRECTORIES IN TYPE-WRITTEN FORMAT UPON COMPLETION OF WORK.

L. ALL FINISHES SHALL BE WHITE. COORDINATE FINAL FINISHES WITH ARCHITECT.



1 **BLDG 5 - LIGHTING PLAN**
1/4" = 1'-0"

AGENCY APPROVAL DSA# 01-121407

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PROFESSIONAL STAMP

REVISIONS

NO.	DATE	DESCRIPTION

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SHEET TITLE
LIGHTING PLANS

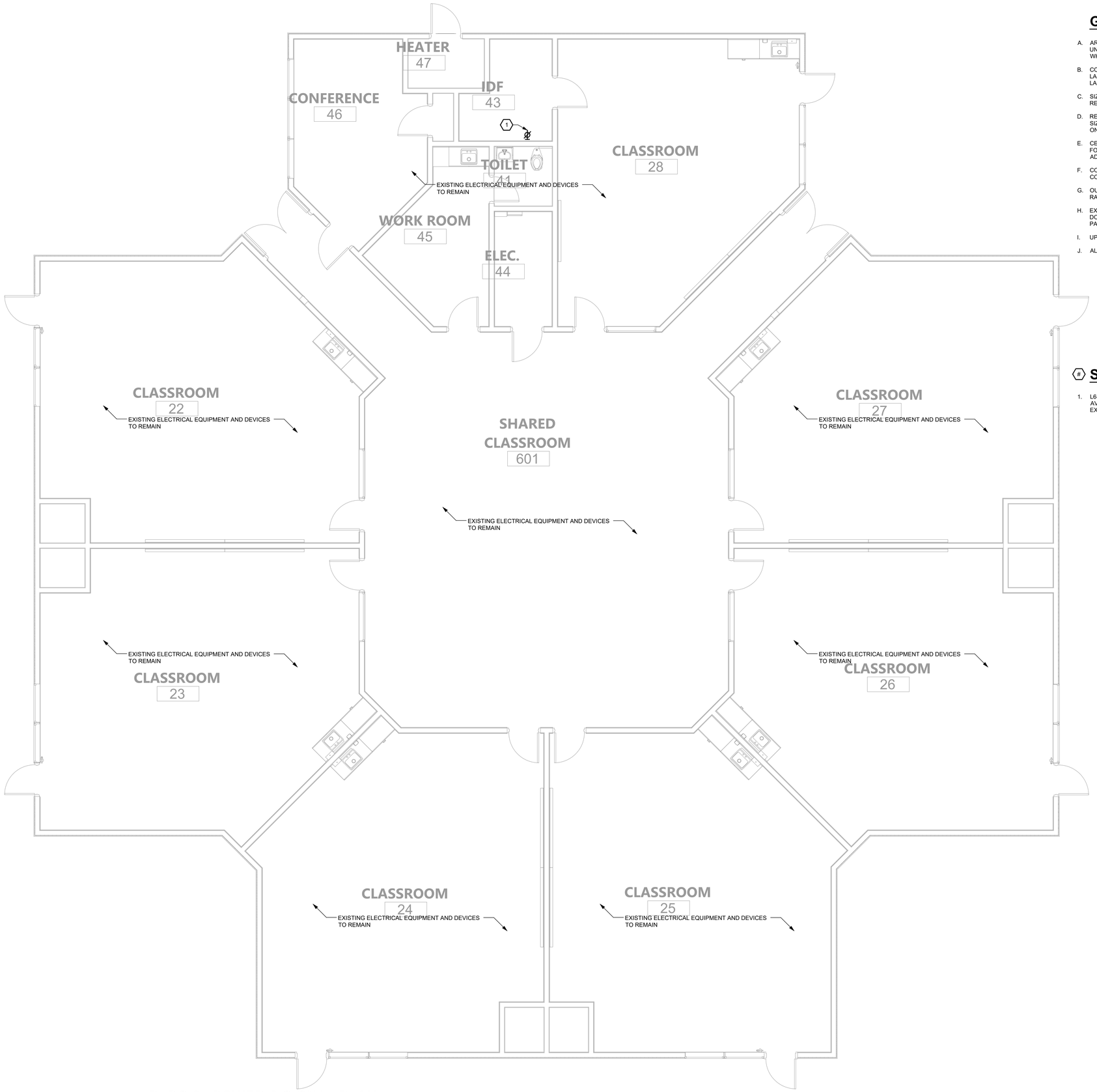
INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2E204

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS



1 **BLDG 6 - POWER & SIGNAL PLAN**
1/4" = 1'-0"

GENERAL NOTES

A. AREA MAY CONTAIN UNDERGROUND RACEWAY. SITE LOCATE ALL EXISTING UNDERGROUND RACEWAY IN THIS AREA BEFORE TRENCHING. MAINTAIN EXTREME CARE WHEN TRENCHING.

B. COORDINATE EXACT LOCATIONS OF ALL ARCHITECTURAL, MECHANICAL, PLUMBING, LANDSCAPING AND CIVIL EQUIPMENT WITH ARCHITECTURAL, MECHANICAL, PLUMBING, LANDSCAPING AND CIVIL DRAWINGS.

C. SIZE FUSES FOR ALL FUSED SWITCHES PER SUPPLIED EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.

D. REFER TO EQUIPMENT SCHEDULES FOR EQUIPMENT WIRING, CONDUIT, AND BREAKER SIZES. BREAKER SIZES SHOWN ON PANEL SCHEDULES SUPERSEDES MOCP SIZES SHOWN ON EQUIPMENT SCHEDULES.

E. CERTAIN FEEDER AND BRANCH CIRCUIT WIRE SIZES SHALL BE SIZED TO COMPENSATE FOR VOLTAGE DROP. SPLICE WIRES TO COMPATIBLE SIZES FOR TERMINATION, ADJACENT TO EQUIPMENT CONNECT AS REQUIRED.

F. CONTRACTOR SHALL SIZE ALL IN GRADE PULL BOXES PER CODE OR FOR THEIR CONVENIENCE FOR PULLING WIRE, WHICHEVER IS LARGER.

G. OUTDOOR ELECTRICAL EQUIPMENT AND DEVICES SHALL BE PROVIDED WITH NEMA 3R RATED ENCLOSURES.

H. EXISTING PANELS SHOWN FOR REFERENCE ONLY AND BASED ON AS BUILT DOCUMENTATION AND PARTIAL SITE SURFACE INVESTIGATION. FIELD VERIFY EXACT PANEL LOCATIONS PRIOR TO COMMENCEMENT OF WORK.

I. UPDATE PANEL DIRECTORIES IN TYPE-WRITTEN FORMAT UPON COMPLETION OF WORK.

J. ALL FINISHES SHALL BE WHITE. COORDINATE FINAL FINISHES WITH ARCHITECT.

SHEET NOTES

1. L6-20R, PROVIDE DEDICATED 208V 20A CIRCUIT FOR IDF. CONNECT TO NEAREST AVAILABLE SPARE CIRCUIT VIA 20A/2P BREAKER IN PANEL. FOR NEW BREAKERS, MATCH EXISTING MAKE, MODEL, AND AIC RATING.

AGENCY APPROVAL DSA# 01-121407

196
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PROFESSIONAL STAMP

REVISIONS

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE
MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
POWER & SIGNAL PLANS

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2E300

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

FILE LOCATION: G:\shared drives\01_projects\madi architecture_47\2347.50 - mount diablo usd modernization\05_drawings\01_DWGs\Mt Diablo\Inc 2\2347.50 - MD - 2E300 - Power Plan.dwg
LAST SAVED ON: 10/09/24 at 9:38am, PLOTTED ON: 10/13/24 at 2:59pm
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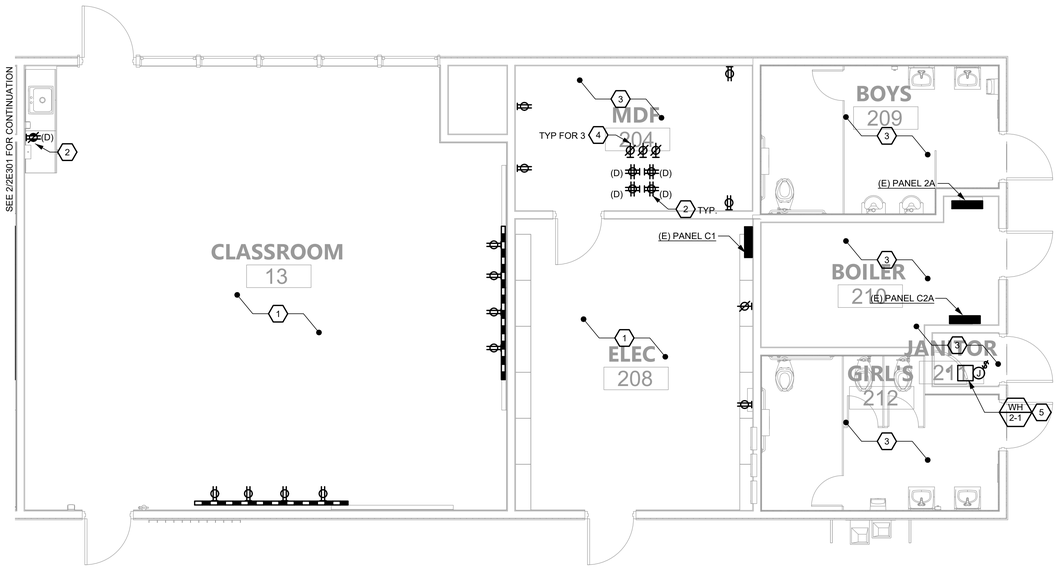
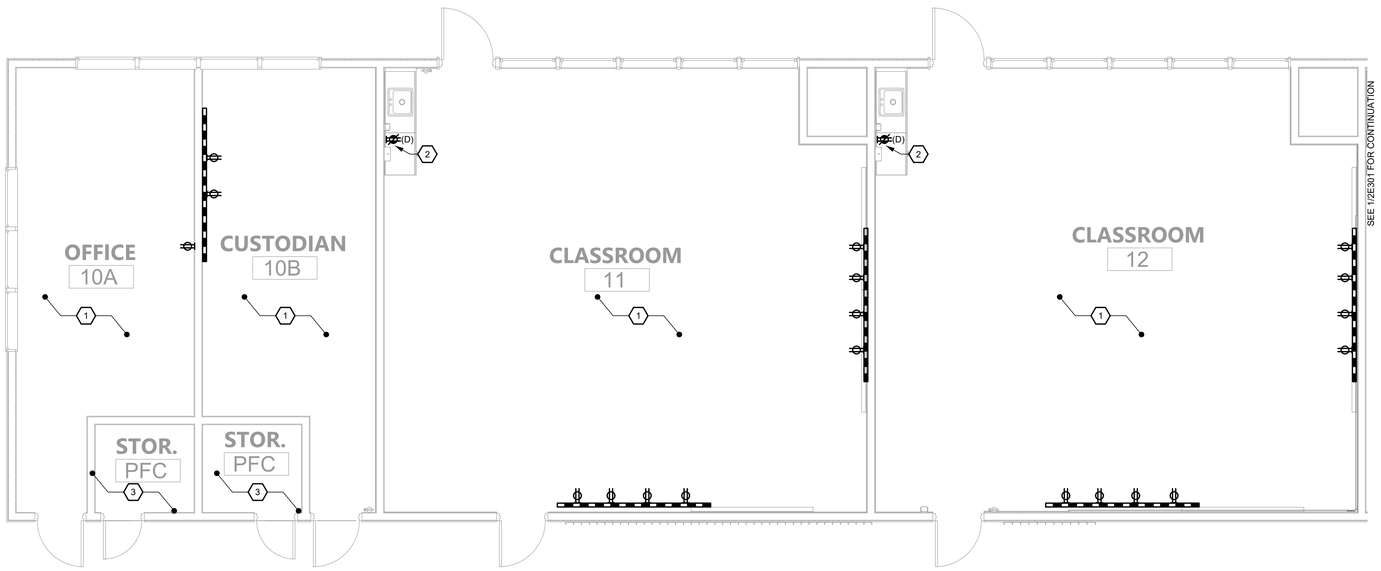


1 BLDG 2 - POWER & SIGNAL PLAN

1/4" = 1'-0"



2 BLDG 2 - POWER & SIGNAL PLAN

1/4" = 1'-0"

GENERAL NOTES

A. AREA MAY CONTAIN UNDERGROUND RACEWAY. SITE LOCATE ALL EXISTING UNDERGROUND RACEWAY IN THIS AREA BEFORE TRENCHING. MAINTAIN EXTREME CARE WHEN TRENCHING.

B. COORDINATE EXACT LOCATIONS OF ALL ARCHITECTURAL, MECHANICAL, PLUMBING, LANDSCAPING AND CIVIL EQUIPMENT WITH ARCHITECTURAL, MECHANICAL, PLUMBING, LANDSCAPING AND CIVIL DRAWINGS.

C. SIZE FUSES FOR ALL FUSED SWITCHES PER SUPPLIED EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.

D. REFER TO EQUIPMENT SCHEDULES FOR EQUIPMENT WIRING, CONDUIT, AND BREAKER SIZES. BREAKER SIZES SHOWN ON PANEL SCHEDULES SUPERSEDES MOCP SIZES SHOWN ON EQUIPMENT SCHEDULES.

E. CERTAIN FEEDER AND BRANCH CIRCUIT WIRE SIZES SHALL BE SIZED TO COMPENSATE FOR VOLTAGE DROP. SPLICE WIRES TO COMPATIBLE SIZES FOR TERMINATION, ADJACENT TO EQUIPMENT CONNECT AS REQUIRED.

F. CONTRACTOR SHALL SIZE ALL IN GRADE PULL BOXES PER CODE OR FOR THEIR CONVENIENCE FOR PULLING WIRE, WHICHEVER IS LARGER.

G. OUTDOOR ELECTRICAL EQUIPMENT AND DEVICES SHALL BE PROVIDED WITH NEMA 3R RATED ENCLOSURES.

H. EXISTING PANELS SHOWN FOR REFERENCE ONLY AND BASED ON AS BUILT DOCUMENTATION AND PARTIAL SITE SURFACE INVESTIGATION. FIELD VERIFY EXACT PANEL LOCATIONS PRIOR TO COMMENCEMENT OF WORK.

I. UPDATE PANEL DIRECTORIES IN TYPE-WRITTEN FORMAT UPON COMPLETION OF WORK.

J. ALL FINISHES SHALL BE WHITE. COORDINATE FINAL FINISHES WITH ARCHITECT.

SHEET NOTES

1. DISCONNECT AND REINSTALL EXISTING WALL MOUNT ELECTRICAL DEVICES AT SAME LOCATION, UNLESS OTHERWISE NOTED. INTERCEPT AND EXTEND WIRING AND CONDUIT AS REQUIRED FOR A COMPLETE INSTALL. EXISTING DEVICES SHOWN ON PLAN FOR REFERENCE ONLY. ANY EXISTING ELECTRICAL DEVICES THAT ARE NO LONGER IN WORKING CONDITION SHALL BE REPLACED-IN-KIND. FIELD VERIFY EXISTING DEVICES PRIOR TO COMMENCEMENT OF WORK.
2. REMOVE EXISTING ELECTRICAL DEVICES AND REPLACE WITH NEW AS SHOWN. NEW CIRCUITS SHOWN ON PLAN HOMERUN TO PANEL 2A, UNLESS OTHERWISE NOTED.
3. EXISTING TO REMAIN, THIS ROOM.
4. L6-20R. PROVIDE DEDICATED 208V 20A CIRCUIT FOR IDF. CONNECT TO NEAREST AVAILABLE SPARE CIRCUIT VIA 20A/2P BREAKER IN PANEL. FOR NEW BREAKERS, MATCH EXISTING MAKE, MODEL, AND AIC RATING.
5. CONNECT TO NEAREST AVAILABLE SPARE 120V CIRCUIT VIA 30A/2P BREAKER IN PANEL.

AGENCY APPROVAL DSA# 01-121407

196

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PROFESSIONAL STAMP

REVISIONS

#	NO.	DATE	DESCRIPTION

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MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
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SHEET TITLE
POWER & SIGNAL PLANS

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2E301

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

FILE LOCATION: G:\shared drives\01_projects\madi architecture_4702347.50 - mount diablo usd modernization\05_drawings\01_DWGs\Mt Diablo\Inc 2\2347.50 - MD - 2E300 - Power Plan.dwg
LAST SAVED ON: 10/09/24 at 9:36am, PLOTTED ON: 10/13/24 at 2:59pm
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GENERAL NOTES

A. AREA MAY CONTAIN UNDERGROUND RACEWAY. SITE LOCATE ALL EXISTING UNDERGROUND RACEWAY IN THIS AREA BEFORE TRENCHING. MAINTAIN EXTREME CARE WHEN TRENCHING.

B. COORDINATE EXACT LOCATIONS OF ALL ARCHITECTURAL, MECHANICAL, PLUMBING, LANDSCAPING AND CIVIL EQUIPMENT WITH ARCHITECTURAL, MECHANICAL, PLUMBING, LANDSCAPING AND CIVIL DRAWINGS.

C. SIZE FUSES FOR ALL FUSED SWITCHES PER SUPPLIED EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.

D. REFER TO EQUIPMENT SCHEDULES FOR EQUIPMENT WIRING, CONDUIT, AND BREAKER SIZES. BREAKER SIZES SHOWN ON PANEL SCHEDULES SUPERSEDES MOCP SIZES SHOWN ON EQUIPMENT SCHEDULES.

E. CERTAIN FEEDER AND BRANCH CIRCUIT WIRE SIZES SHALL BE SIZED TO COMPENSATE FOR VOLTAGE DROP. SPLICE WIRES TO COMPATIBLE SIZES FOR TERMINATION, ADJACENT TO EQUIPMENT CONNECT AS REQUIRED.

F. CONTRACTOR SHALL SIZE ALL IN GRADE PULL BOXES PER CODE OR FOR THEIR CONVENIENCE FOR PULLING WIRE, WHICHEVER IS LARGER.

G. OUTDOOR ELECTRICAL EQUIPMENT AND DEVICES SHALL BE PROVIDED WITH NEMA 3R RATED ENCLOSURES.

H. EXISTING PANELS SHOWN FOR REFERENCE ONLY AND BASED ON AS BUILT DOCUMENTATION AND PARTIAL SITE SURFACE INVESTIGATION. FIELD VERIFY EXACT PANEL LOCATIONS PRIOR TO COMMENCEMENT OF WORK.

I. UPDATE PANEL DIRECTORIES IN TYPE-WRITTEN FORMAT UPON COMPLETION OF WORK.

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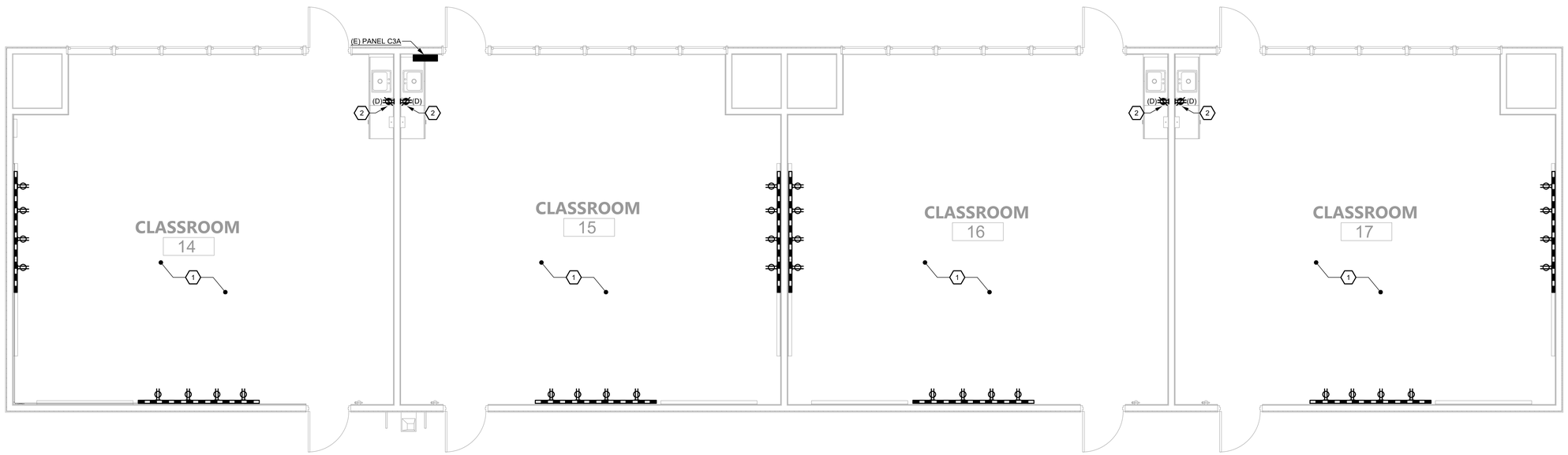
2. REMOVE EXISTING ELECTRICAL DEVICES AND REPLACE WITH NEW AS SHOWN. NEW CIRCUITS SHOWN ON PLAN HOMERUN TO PANEL C3A, UNLESS OTHERWISE NOTED.



1 **BLDG 3 - POWER & SIGNAL PLAN**
1/4" = 1'-0"

AGENCY APPROVAL DSA# 01-121407

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PROFESSIONAL STAMP

REVISIONS

NO.	DATE	DESCRIPTION

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MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
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MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
POWER & SIGNAL PLANS

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2E302

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

GENERAL NOTES

A. AREA MAY CONTAIN UNDERGROUND RACEWAY. SITE LOCATE ALL EXISTING UNDERGROUND RACEWAY IN THIS AREA BEFORE TRENCHING. MAINTAIN EXTREME CARE WHEN TRENCHING.

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H. EXISTING PANELS SHOWN FOR REFERENCE ONLY AND BASED ON AS BUILT DOCUMENTATION AND PARTIAL SITE SURFACE INVESTIGATION. FIELD VERIFY EXACT PANEL LOCATIONS PRIOR TO COMMENCEMENT OF WORK.

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J. ALL FINISHES SHALL BE WHITE. COORDINATE FINAL FINISHES WITH ARCHITECT.

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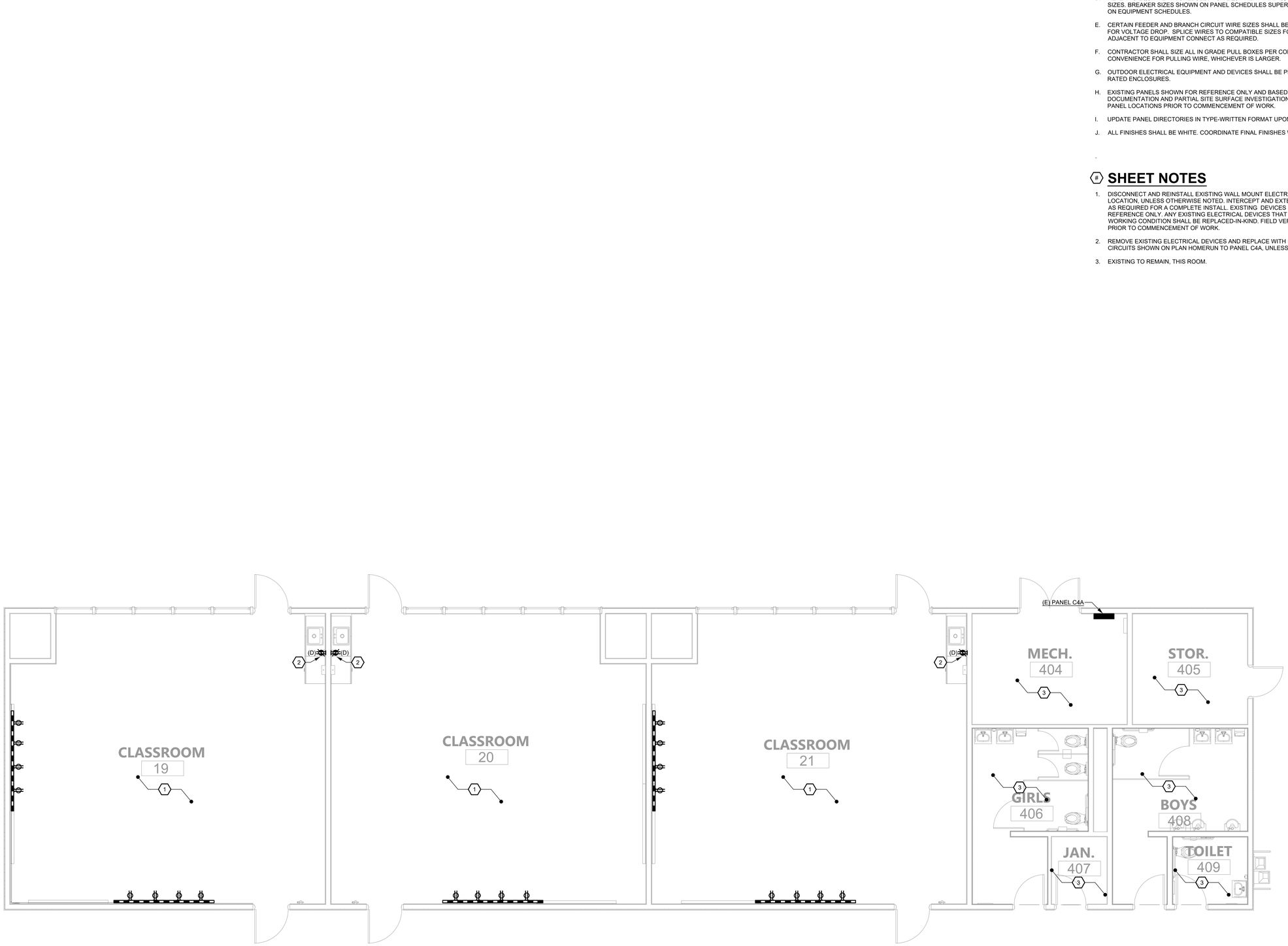
2. REMOVE EXISTING ELECTRICAL DEVICES AND REPLACE WITH NEW AS SHOWN. NEW CIRCUITS SHOWN ON PLAN HOMERUN TO PANEL C4A, UNLESS OTHERWISE NOTED.

3. EXISTING TO REMAIN, THIS ROOM.



1 **BLDG 4 - POWER & SIGNAL PLAN**
1/4" = 1'-0"

AGENCY APPROVAL DSA# 01-121407

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PROFESSIONAL STAMP

REVISIONS

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MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
POWER & SIGNAL PLANS

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2E303

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

FILE LOCATION: G:\shared drives\01_projects\madi architecture_4702347.50 - mount diablo usd modernization\05_drawings\01_DWGs\Mt Diablo\Inc 2\2347.50 - MD - 2E300 - Power Plan.dwg
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GENERAL NOTES

A. AREA MAY CONTAIN UNDERGROUND RACEWAY. SITE LOCATE ALL EXISTING UNDERGROUND RACEWAY IN THIS AREA BEFORE TRENCHING. MAINTAIN EXTREME CARE WHEN TRENCHING.

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C. SIZE FUSES FOR ALL FUSED SWITCHES PER SUPPLIED EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.

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E. CERTAIN FEEDER AND BRANCH CIRCUIT WIRE SIZES SHALL BE SIZED TO COMPENSATE FOR VOLTAGE DROP. SPLICE WIRES TO COMPATIBLE SIZES FOR TERMINATION, ADJACENT TO EQUIPMENT CONNECT AS REQUIRED.

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2. REMOVE EXISTING ELECTRICAL DEVICES AND REPLACE WITH NEW AS SHOWN. NEW CIRCUITS SHOWN ON PLAN HOMERUN TO PANEL CA, UNLESS OTHERWISE NOTED.
3. NEW HVAC UNIT, THIS LOCATION. PROVIDE DISCONNECT SWITCH AND CU BRANCH FEEDER FOR NEW HVAC EQUIPMENT AND GENERAL PURPOSE RECEPTACLE WITHIN 25FT OF HVAC EQUIPMENT.
4. EXISTING TO REMAIN, THIS ROOM.



1 BLDG 5 - POWER & SIGNAL PLAN

1/4" = 1'-0"

AGENCY APPROVAL DSA# 01-121407

196

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PROFESSIONAL STAMP

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MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
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SHEET TITLE
POWER & SIGNAL PLANS

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2E304

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

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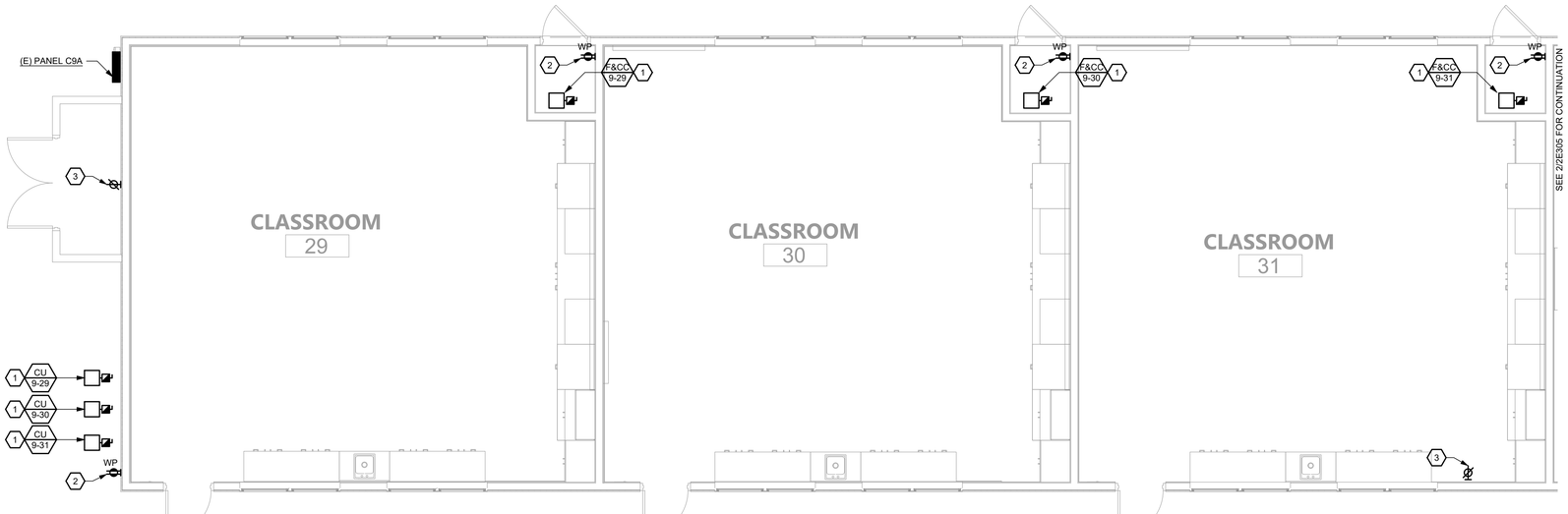
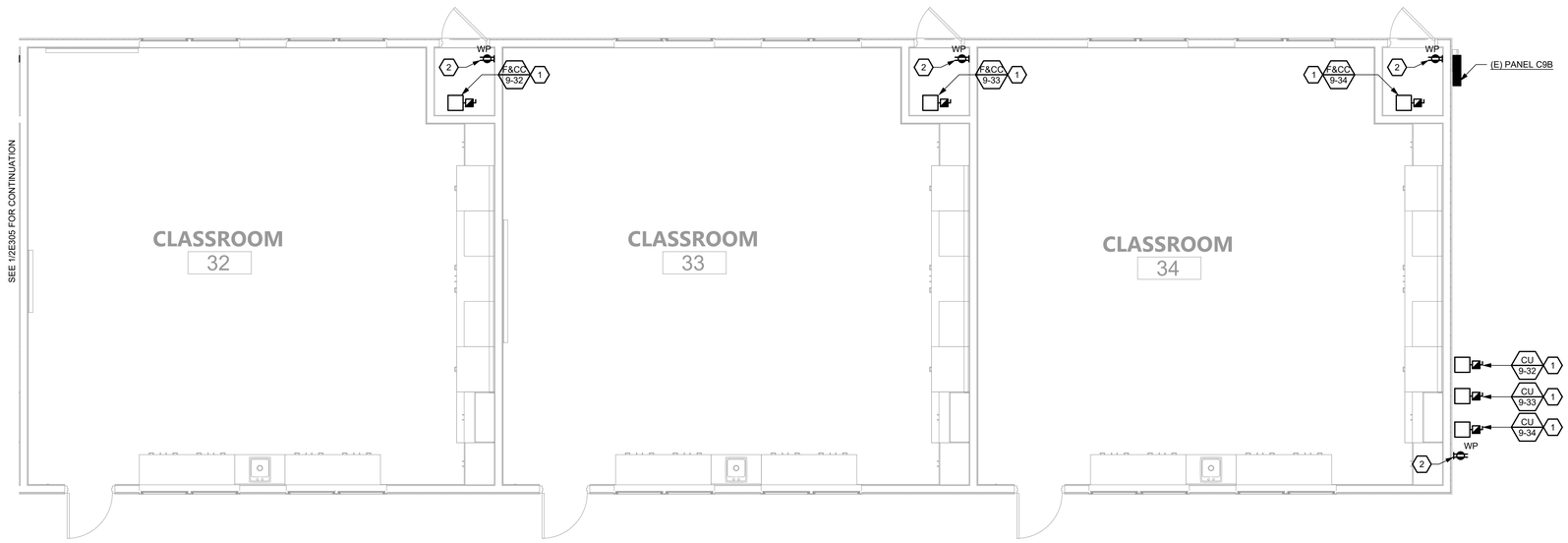


1 BLDG 9 - POWER & SIGNAL PLAN

1/4" = 1'-0"



2 BLDG 9 - POWER & SIGNAL PLAN

1/4" = 1'-0"

GENERAL NOTES

A. AREA MAY CONTAIN UNDERGROUND RACEWAY. SITE LOCATE ALL EXISTING UNDERGROUND RACEWAY IN THIS AREA BEFORE TRENCHING. MAINTAIN EXTREME CARE WHEN TRENCHING.

B. COORDINATE EXACT LOCATIONS OF ALL ARCHITECTURAL, MECHANICAL, PLUMBING, LANDSCAPING AND CIVIL EQUIPMENT WITH ARCHITECTURAL, MECHANICAL, PLUMBING, LANDSCAPING AND CIVIL DRAWINGS.

C. SIZE FUSES FOR ALL FUSED SWITCHES PER SUPPLIED EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.

D. REFER TO EQUIPMENT SCHEDULES FOR EQUIPMENT WIRING, CONDUIT, AND BREAKER SIZES. BREAKER SIZES SHOWN ON PANEL SCHEDULES SUPERSEDES MOCP SIZES SHOWN ON EQUIPMENT SCHEDULES.

E. CERTAIN FEEDER AND BRANCH CIRCUIT WIRE SIZES SHALL BE SIZED TO COMPENSATE FOR VOLTAGE DROP. SPLICE WIRES TO COMPATIBLE SIZES FOR TERMINATION, ADJACENT TO EQUIPMENT CONNECT AS REQUIRED.

F. CONTRACTOR SHALL SIZE ALL IN GRADE PULL BOXES PER CODE OR FOR THEIR CONVENIENCE FOR PULLING WIRE, WHICHEVER IS LARGER.

G. OUTDOOR ELECTRICAL EQUIPMENT AND DEVICES SHALL BE PROVIDED WITH NEMA 3R RATED ENCLOSURES.

H. EXISTING PANELS SHOWN FOR REFERENCE ONLY AND BASED ON AS BUILT DOCUMENTATION AND PARTIAL SITE SURFACE INVESTIGATION. FIELD VERIFY EXACT PANEL LOCATIONS PRIOR TO COMMENCEMENT OF WORK.

I. UPDATE PANEL DIRECTORIES IN TYPE-WRITTEN FORMAT UPON COMPLETION OF WORK.

J. ALL FINISHES SHALL BE WHITE. COORDINATE FINAL FINISHES WITH ARCHITECT.

(#) SHEET NOTES

1. DISCONNECT AND RECONNECT POWER CONNECTION FOR REPLACE-IN-KIND HVAC UNIT, THIS LOCATION. FOR UNIT WITHOUT EXISTING DISCONNECT SWITCH IN WORKING CONDITION AND WITHOUT GENERAL PURPOSE RECEPTACLE WITHIN 25FT OF UNIT, PROVIDE AS REQUIRED PER CODE.
2. CONNECT ALL NEW GENERAL PURPOSE RECEPTACLES, THIS BUILDING, TO NEAREST AVAILABLE 120V 20A SPARE CIRCUIT.
3. L6-20R. PROVIDE DEDICATED 208V 20A CIRCUIT FOR IDF. CONNECT TO NEAREST AVAILABLE SPARE CIRCUIT VIA 20A/2P BREAKER IN PANEL. FOR NEW BREAKERS, MATCH EXISTING MAKE, MODEL, AND AIC RATING.

AGENCY APPROVAL DSA# 01-121407

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email: info@atiumeng.com

PROFESSIONAL STAMP

REVISIONS

NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE
MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
POWER & SIGNAL PLANS

INCREMENT: INC. 2

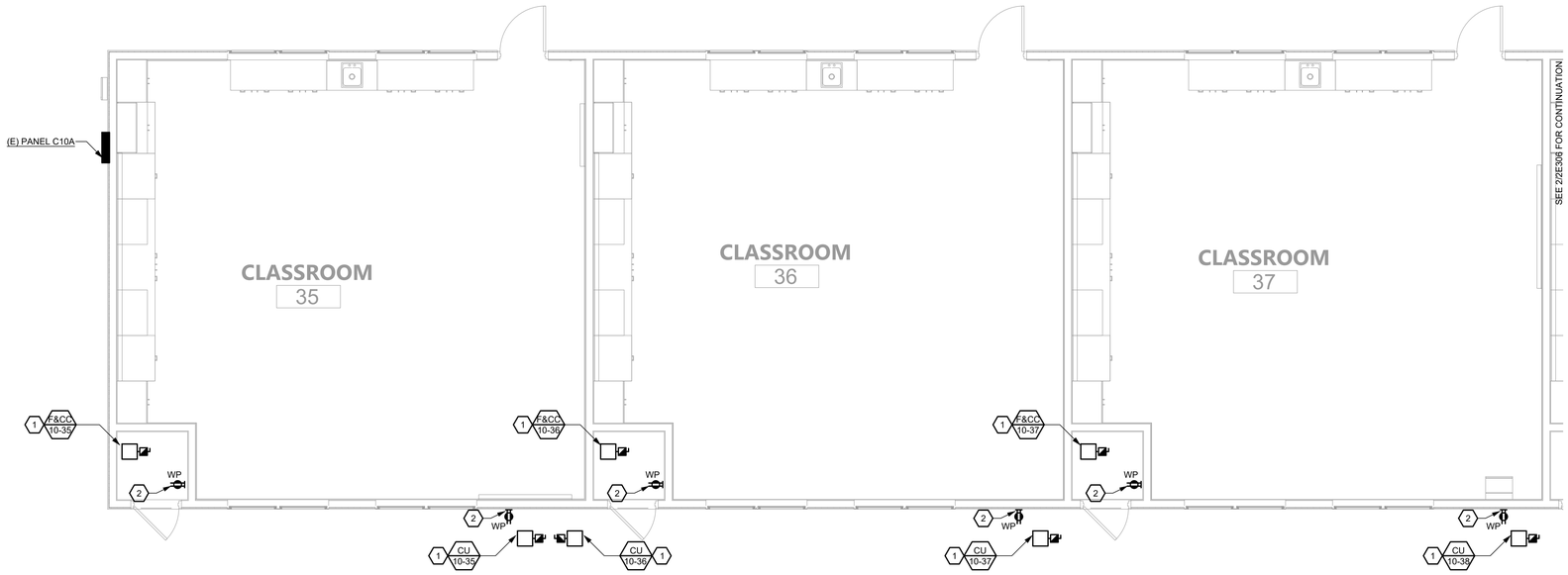
DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2E305

DATE: OCTOBER 10, 2024

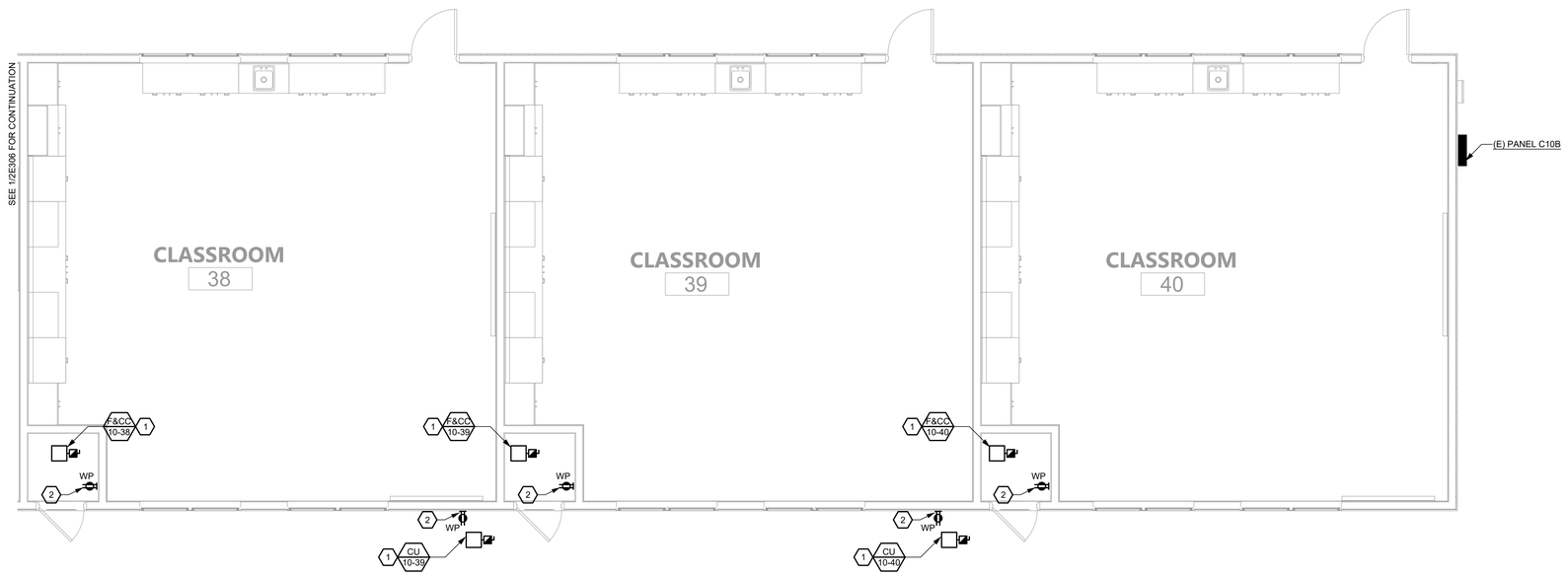
CONSTRUCTION DOCUMENTS

FILE LOCATION: G:\shared drives\01_projects\madi architecture_47\2347.50 - mount diablo usd modernization\05_drawings\01_DWGs\Mt Diablo\Inc 2\2347.50 - MD - 2E300 - Power Plan.dwg
LAST SAVED ON: 10/09/24 at 9:38am, PLOTTED ON: 10/13/24 at 2:59pm
DATE PLOTTED: 8/29/2023 11:46:30 AM FILE LOCATION: C:\Users\Skim\Documents\23120.01_MTDUSD_MT DIABLO ES MODERNIZATION_A23_skim32Q7M.rvt



1 BLDG 10 - POWER & SIGNAL PLAN

1/4" = 1'-0"



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AGENCY APPROVAL DSA# 01-121407

196

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SHEET TITLE

POWER & SIGNAL PLANS

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.

2E306

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

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LAST SAVED ON: 10/09/24 at 9:36am, PLOTTED ON: 10/13/24 at 2:59pm
DATE PLOTTED: 8/29/2023 11:46:30 AM FILE LOCATION: C:\Users\SkimDocuments\23120.01_MTDUSD_MT DIABLO ES MODERNIZATION_A23_skim32Q7M.rvt

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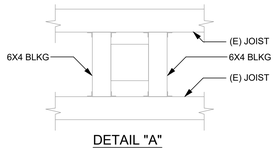
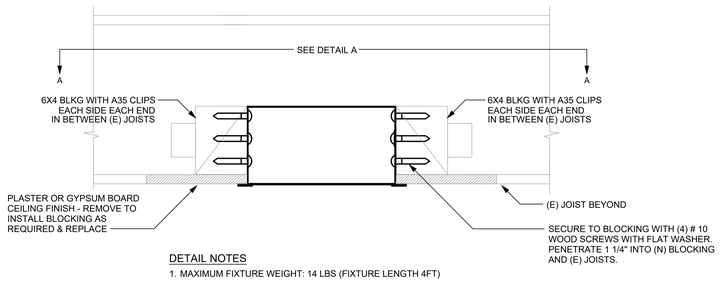


DETAIL "A"

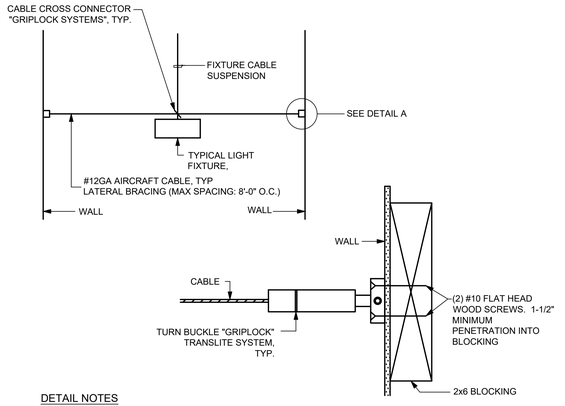


DETAIL NOTES

1. MAXIMUM FIXTURE WEIGHT: 14 LBS (FIXTURE LENGTH 4FT)

6 RECESSED FIXTURE MOUNTING

NOT TO SCALE



DETAIL NOTES

1. SEE DETAIL 3/1E402 FOR INFORMATION NOT SHOWN IN THIS DETAIL.

DETAIL "A"

5 LIGHT FIXTURE SEISMIC BRACING

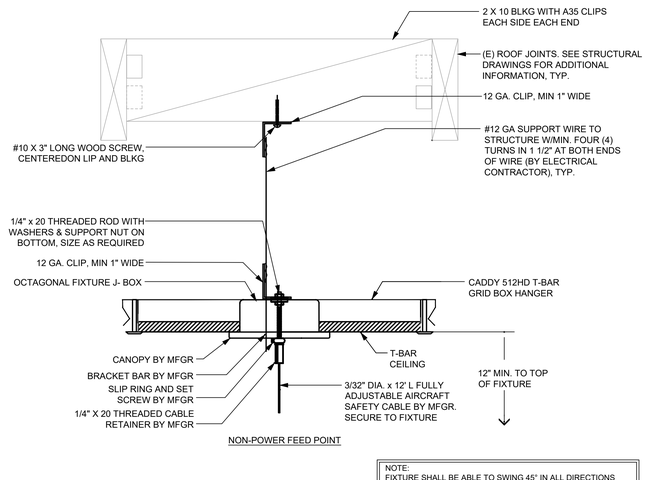
NOT TO SCALE

4 NOT USED

NOT TO SCALE

DETAIL NOTES

1. MAXIMUM FIXTURE WEIGHT: 14 LBS (FIXTURE LENGTH 4FT)



DETAIL NOTES

1. MAXIMUM FIXTURE WEIGHT: 14 LBS (FIXTURE LENGTH 4FT)

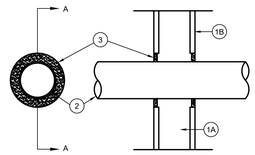
NOTE:
FIXTURE SHALL BE ABLE TO SWING 45° IN ALL DIRECTIONS WITHOUT CONTACT WITH ANY FIXTURE OR STRUCTURE. OTHERWISE, THE CONTRACTOR SHALL PROVIDE SEISMIC BRACING PER DETAIL 4/E402

7 PENDANT @ T-BAR CEILING MTG DETAIL

NOT TO SCALE

DETAIL NOTES:

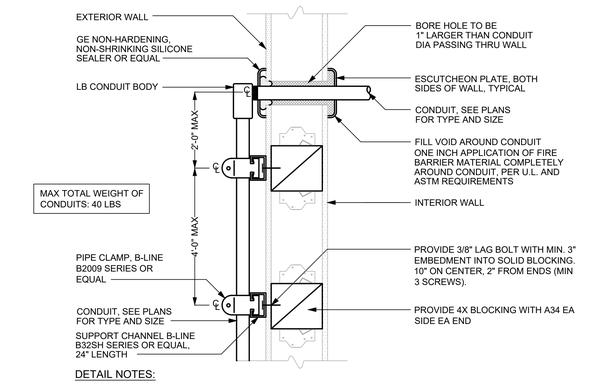
1. WALL ASSEMBLY-THE FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS-WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16" OC. STEEL STUDS TO BE MIN 2 ½" WIDE AND SPACED MAX 24 IN. OC.
   B. WALLBOARD GYPSUM*-ONE LAYER OF NOM 5/8" THICK GYPSUM WALLBOARD AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX DIAM OF OPENING IS 7 IN.
2. THROUGH PENETRANTS-ONE METALLIC CONDUIT SHALL BE INSTALLED WITHIN THE FIRESTOP SYSTEM. THE SPACE BETWEEN THE CONDUIT AND PERIPHERY OF OPENING SHALL BE A MIN 1/4 IN. TO A MAX 1 ¼" CONDUIT SHALL BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. A 4" DIAMETER (OR SMALLER) ELECTRICAL METALLIC TUBING OR STEEL CONDUIT MAY BE USED.
3. FILL, VOID, OR CAVITY MATERIAL (CAULK) - MIN 5/8" THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. MATERIAL SHALL BEAR THE UL CLASSIFICATION MARKING.
4. BASED ON U.L. SYSTEM NO W-L-1087:
   A. F RATING: 1HR
   B. T RATING: 0 HR
   C. L RATING AT AMBIENT: LESS THAN 1CFM/SQFT
   D. L RATING AT 400F: LESS THAN 1 CFM/SQFT



SECTION A-A

1 1-HOUR PENETRATION DETAIL

NOT TO SCALE



DETAIL NOTES:

1. SIMILAR TO U.L. FIRE RESISTANCE DIRECTORY SYSTEM W-J-1027.
2. ALL COMPONENTS SHALL BE GALVANIZED.
3. ALL CONDUIT FITTINGS SHALL BE THREADED.
4. FOR DATA CABLING, INSURE BENDING RADIUS PER TIA/EIA STANDARDS.

2 LB BODY THROUGH EXTERIOR WALL

NOT TO SCALE

3 NOT USED

NOT TO SCALE

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SHEET TITLE
DETAILS

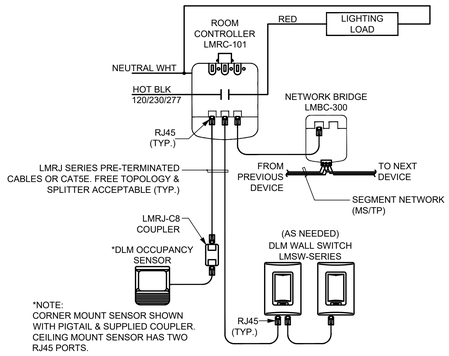
INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2E401

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS



A. BASIS OF DESIGN IS WATTSTOPPER DLM. CONTRACTOR TO PROVIDE ALL PARTS, DEVICES, WIRING, APPURTENANCES, AND ASSOCIATED LABOR FOR A COMPLETE INSTALLATION.

B. ALL SENSOR LOCATIONS ARE APPROXIMATE AND SHOWN FOR DESIGN INTENT ONLY. LOCATE SENSORS PER MANUFACTURER GUIDELINES AND INSTALLATION MANUAL. PROVIDE QUANTITIES AND LOCATIONS AS REQUIRED FOR PROPER SENSING. FINAL DEVICE LAYOUT SHALL BE SUBMITTTED AS A SHOP DRAWING AS PART OF SUBMITTAL REVIEW. SHOP DRAWING APPROVAL IS REQUIRED PRIOR TO PROCUREMENT AND ROUGH-IN.

C. LOCATE SENSOR MINIMUM 5 FEET FROM ANY AIR SUPPLY AND/OR RETURN REGISTERS.

D. THE CONTRACTOR SHALL COMMISSION SENSITIVITY AND TIME DELAY SETTINGS AND PROVIDE TITLE 24 COMMISIONING DOCUMENTS.

E. THE CONSTRACTOR SHALL PROVIDE ALL REQUIRED OCCUPANCY SENSOR POWER PACKS. PROVIDE J-BOXES WITH BLANK FACEPLATES AT CEILING.

F. ROOM CONTROLLERS SHALL BE MOUNTED IN AN ACCESSIBLE LOCATION, INSIDE A MULTI-GANG J-BOX WITH BLANK FACEPLATE, CONCEALED IN CABINETRY, ABOVE DROP CEILING/CLOUD, OR AT A NEARBY REMOTE LOCATION. COORDINATE FINAL LOCATION OF DEVICES WITH ARCHITECT.

G. PROVIDE QUANTITIES AS REQUIRED FOR A COMPLETE SYSTEM. ONE ROOM CONTROLLER IS REQUIRED FOR EACH LIGHTING CIRCUIT. PROVIDE ROOM CONTROLLER SERIES WITH THE FOLLOWING THREE SWITCHING ZONES (INCLUDING MULTIPLE DAYLIGHT SWITCHING ZONES) AND CONTINUOUS DIMMING CAPABILITIES.

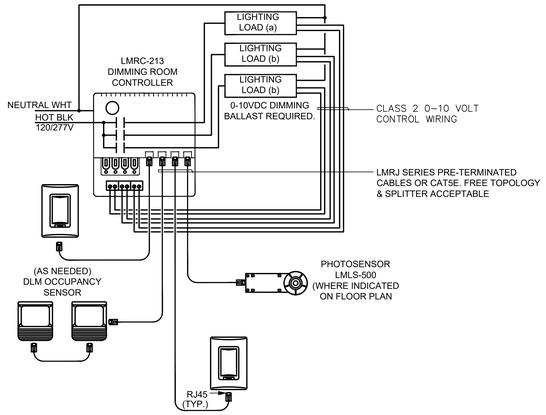
H. LMRJ SERIES PRE-TERMINATED CABLES OR CAT5E IS ACCEPTABLE. MANUFACTURER RECOMMENDS PROVIDING LMRJ SERIES PRE-TERMINATED CABLES FOR EASE OF INSTALLATION.

I. COORDINATE WITH MANUFACTURER SO THAT DEVICES ALLOW FOR OPEN TOPOLOGY, AND DO NOT REQUIRE ADDITIONAL CLASS 2 0-10V CONTROL WIRING. DEVICES SHALL HAVE NETWORK CAPABILITY FOR FUTURE USE.

J. ALL PART NUMBERS SHOWN ARE BY WATTSTOPPER. SEE MANUFACTURER'S WEBSITE FOR SUPPORT DOCUMENTATION AND TECHNICAL SUPPORT.

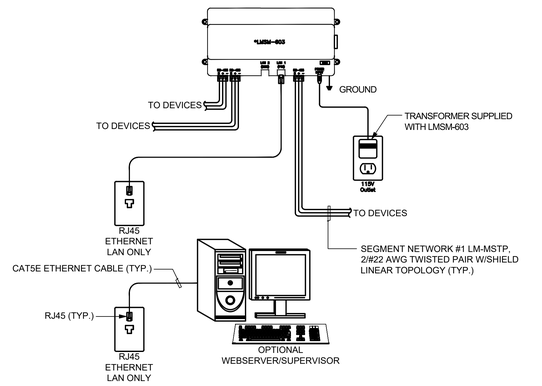
3 ROOM CONTOLLER WITH NETWORK BRIDGE WIRING DIAGRAM

NOT TO SCALE



1 DIGITAL LIGHTING CONTROL DIMMING WIRING DIAGRAM

NOT TO SCALE



*NOTE:
THE LMSM-603 SUPPORTS 3 SEGMENTS WITH UP TO 127 DEVICES PER SEGMENT.

2 SEGMENT MANAGER WIRING DIAGRAM

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SHEET TITLE
DETAILS

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2E402

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

FILE LOCATION: G:\shared drives\01_projects\madi architecture_47\2347.50 - mount diablo usd modernization\05_drawings\01_DWGs\Mt Diablo\Inc 2\2347.50 - MD - 2E400 - Details.dwg
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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: Mt Diablo ES Modernization Increment 2 - Bldg 2	**Report Page:** (Page 1 of 8)
Project Address: 1936 Carlotta Way, Concord, CA 94519	**Date Prepared:** 2024-10-03T15:49:46-04:00

A. GENERAL INFORMATION

01	Project Location (city)	Concord	04	Total Conditioned Floor Area (ft²)	3,098
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					

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	3098	Area Category Method	0
☐ New Lighting System - Parking Garage	N/A	0	N/A	0
Total Area of Work (ft²)	3098			

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — **NRCC-LTI-E**

Project Name: Mt Diablo ES Modernization Increment 2 - Bldg 2	**Report Page:** (Page 2 of 8)
	Date Prepared: 2024-10-03T15:49:46-04:00

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	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 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		1,800.2			=	1,800.2	≥ 1,717.2		=	1717.2	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.

{General Remarks} MT DIABLO BLDG 1

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — **NRCC-LTI-E**

Project Name: Mt Diablo ES Modernization Increment 2 - Bldg 2	**Report Page:** (Page 3 of 8)
	Date Prepared: 2024-10-03T15:49:46-04:00

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
L1/L1E	L1/L1E	No	NA	32.4	Mfr. Spec	53	No	1,717.2	☐	☐
Total Designed Watts: CONDITIONED SPACES								1,717.2		

[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.*

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		
NA < 4,000W subject to multilevel	See Area/Space Level Controls	☐	☐

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — **NRCC-LTI-E**

Project Name: Mt Diablo ES Modernization Increment 2 - Bldg 2	**Report Page:** (Page 4 of 8)
	Date Prepared: 2024-10-03T15:49:46-04:00

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/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
Classroom 13	Classroom, Lecture, or Training Vocational	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
Classroom 11	Classroom, Lecture, or Training Vocational	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
Classroom 12	Classroom, Lecture, or Training Vocational	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
Room 208	Electrical Mechancial Telephone Room	Readily Accessible	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
					13				
					Plan Sheet Showing Daylit Zones:				
					2E201				

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 13	Classroom, Lecture, or Training Vocational	0.6	949	569.4	No	No
Classroom 11	Classroom, Lecture, or Training Vocational	0.6	929	557.4	No	No

STATE OF CALIFORNIA
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CERTIFICATE OF COMPLIANCE — **NRCC-LTI-E**

Project Name: Mt Diablo ES Modernization Increment 2 - Bldg 2	**Report Page:** (Page 5 of 8)
	Date Prepared: 2024-10-03T15:49:46-04:00

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Classroom 12	Classroom, Lecture, or Training Vocational	0.6	929	557.4	No	No
Room 208	Electrical Mechancial Telephone Room	0.4	290	116	No	No
		TOTALS:	3,097	1,800.2	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.

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.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — **NRCC-LTI-E**

Project Name: Mt Diablo ES Modernization Increment 2 - Bldg 2	**Report Page:** (Page 6 of 8)
	Date Prepared: 2024-10-03T15:49:46-04:00

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

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — **NRCC-LTI-E**

Project Name: Mt Diablo ES Modernization Increment 2 - Bldg 2	**Report Page:** (Page 7 of 8)
Project Address: 1936 Carlotta Way, Concord, CA 94519	**Date Prepared:** 2024-10-03T15:49:46-04:00

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.	Classroom 13; Classroom 11; Classroom 12; Room 208
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	Classroom 13; Classroom 11; Classroom 12

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — **NRCC-LTI-E**

Project Name: Mt Diablo ES Modernization Increment 2 - Bldg 2	**Report Page:** (Page 8 of 8)
Project Address: 1936 Carlotta Way, Concord, CA 94519	**Date Prepared:** 2024-10-03T15:49:46-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: J. David Maino	Documentation Author Signature:
Company: Atium Engineering	Signature Date: 10/3/24
Address: 3533 York Ln	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: San Ramon/CA/94582	Phone: (913)-961-1658

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: J. David Maino	Responsible Designer Signature:
Company: Atium Engineering	Date Signed: 10/3/24
Address: 3533 York Ln	License: E19208
City/State/Zip: San Ramon/CA/94582	Phone: (913)-961-1658

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: Mt Diablo ES Modernization Increment 2 - Bldg 4	**Report Page:** (Page 1 of 7)
Project Address: 1936 Carlotta Way, Concord, CA 94519	**Date Prepared:** 2024-07-03T20:21:04-04:00

A. GENERAL INFORMATION

01	Project Location (city)	Clayton	04	Total Conditioned Floor Area (ft²)	362
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					

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	362	Area Category Method	0
☐ New Lighting System - Parking Garage	N/A	0	N/A	0
Total Area of Work (ft²)	362			

AGENCY APPROVAL DSA# 01-121407

196
991 W HEDDING ST., SUITE 101
SAN JOSE, CA 95126
TEL (408) 715-4470

CONSULTANTS

CIVIL ENGINEER
CARROLL ENGINEERING
1101 South Winchester Blvd., Suite H184
San Jose, CA 95128
TEL (408) 261-9800

MECHANICAL ENGINEER
CYPRESS ENGINEERING GROUP
8 Harris Court, Suite A8
Monterey, CA 93940
TEL (831) 218-1802

ELECTRICAL ENGINEER
ATIUM ENGINEERING
3533 York Ln.
San Ramon, CA 94582
TEL (913) 961-1658

STRUCTURAL ENGINEER
BASE Design Inc.
582 Market St. Ste 1402
San Francisco, CA 94104
TEL (415) 466-2997

TECHNOLOGY ENGINEER
KMM Services, Inc.
5433 El Camino Ave. Suite 5
Carmichael, CA 95608
TEL (916) 359-4000

atium ENGINEERING
ELECTRICAL ENGINEERS
3533 York Lane
San Ramon, CA 94582
tel: 913.961.1658
email: info@atiumeng.com

PROFESSIONAL STAMP

REVISIONS

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE
MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
TITLE 24

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2E501

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

FILE LOCATION: G:\shared drives\01_projects\madi architecture_4702347.50 - mount diablo usd modernization\05_drawings\01_DWGs\Mt Diablo\Inc 2\2347.50 - MD - 2E500 - Title 24.dwg
LAST SAVED ON: 10/09/24 at 9:46am, PLOTTED ON: 10/13/24 at 2:59pm
DATE PLOTTED: 8/29/2023 11:46:30 AM FILE LOCATION: C:\Users\SkimlDocuments\23120.01_MTDUSD_MT DIABLO ES MODERNIZATION_A23_skim32Q7M.rvt

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Mt Diablo ES Modernization Increment 2 - Bldg 4	**Report Page:** (Page 2 of 7)
	Date Prepared: 2024-07-03T20:21:04-04:00

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	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		235.3			=	235.3	≥	129.6		=	129.6	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
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Mt Diablo ES Modernization Increment 2 - Bldg 4	**Report Page:** (Page 3 of 7)
	Date Prepared: 2024-07-03T20:21:04-04:00

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	
									Field Inspector	
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	Pass	Fail
L1/L1E	L1/L1E	No	NA	32.4	Mfr. Spec	4	No	129.6	☐	☐
						Total Designed Watts: CONDITIONED SPACES		129.6		

[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	
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C	Pass	Fail
NA < 4,000W subject to multilevel	See Area/Space Level Controls	☐	☐

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Mt Diablo ES Modernization Increment 2 - Bldg 4	**Report Page:** (Page 4 of 7)
	Date Prepared: 2024-07-03T20:21:04-04:00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Area Level Controls

04	05	06	07	08	09	10	11	12	
								Field Inspector	
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	Pass	Fail
Girls 263	Restroom	Readily Accessible	NA: Restrooms	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
Boys 267	Restroom	Readily Accessible	NA: Restrooms	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	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	
					Additional Allowance / Adjustment	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Area Category	PAF
Girls 263	Restroom	0.65	177	115.05	No	No
Boys 267	Restroom	0.65	185	120.25	No	No
		TOTALS:	362	235.3	See Tables J, or P for detail	

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Mt Diablo ES Modernization Increment 2 - Bldg 4	**Report Page:** (Page 5 of 7)
	Date Prepared: 2024-07-03T20:21:04-04:00

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.

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.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Mt Diablo ES Modernization Increment 2 - Bldg 4	**Report Page:** (Page 6 of 7)
	Date Prepared: 2024-07-03T20:21:04-04:00

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

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.	Girls 263; Boys 267

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Mt Diablo ES Modernization Increment 2 - Bldg 4	**Report Page:** (Page 7 of 7)
Project Address: 1936 Carlotta Way, Concord, CA 94519	**Date Prepared:** 2024-07-03T20:21:04-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
J. David Maino	
Company: Atium Engineering	Signature Date: 7/10/24
Address: 3533 York Ln	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: San Ramon/CA/94582	Phone: (913)-961-1658

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: J. David Maino	Responsible Designer Signature:
Company: Atium Engineering	Date Signed: 7/10/24
Address: 3533 York Ln	License: E19208
City/State/Zip: San Ramon/CA/94582	Phone: (913)-961-1658

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Mt Diablo ES Modernization Increment 2 - Bldg 5	**Report Page:** (Page 1 of 8)
Project Address: 1936 Carlotta Way, Concord, CA 94519	**Date Prepared:** 2024-10-03T15:56:07-04:00

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)	Clayton	04	Total Conditioned Floor Area (ft²)	3,200
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					

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	3200	Area Category Method	0
☐ New Lighting System - Parking Garage	N/A	0	N/A	0
Total Area of Work (ft²)	3200			

STATE OF CALIFORNIA
Indoor Lighting
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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		2,276.6			=	2,276.6	≥	1,652.4		=	1652.4	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
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Mt Diablo ES Modernization Increment 2 - Bldg 5	**Report Page:** (Page 3 of 8)
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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[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	Pass	Fail
L1/L1E	L1/L1E	No	NA	32.4	Mfr. Spec	51	No	1,652.4	☐	☐
						Total Designed Watts: CONDITIONED SPACES		1,652.4		

[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	
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C	Pass	Fail
NA < 4,000W subject to multilevel	See Area/Space Level Controls	☐	☐

AGENCY APPROVAL DSA# 01-121407

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ELECTRICAL ENGINEERS
3533 York Lane
San Ramon, CA 94582
tel: 913.961.1658
email: info@atiumeng.com

PROFESSIONAL STAMP

REVISIONS

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE
MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
TITLE 24

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2E502

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

FILE LOCATION: G:\shared drives\01_projects\madi architecture_47\23347.50 - mount diablo usd modernization\05_drawings\01_DWGs\Mt Diablo\Inc 2\23347.50 - MD - 2E500 - Title 24.dwg
LAST SAVED ON: 10/09/24 at 9:46am, PLOTTED ON: 10/13/24 at 2:59pm
DATE PLOTTED: 8/29/2023 11:46:30 AM FILE LOCATION: C:\Users\Skim\Documents\23120.01_MTDUSD_MT DIABLO ES MODERNIZATION_A23_skim32Q7M.rvt

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Mt Diablo ES Modernization Increment 2 - Bldg 5	**Report Page:**	**(Page 4 of 8)**
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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/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
Libraray Ll1	Library - Reading Area	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
Work 506	All Other Space Types	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
Library Ll2	Library - Reading Area	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
Library Ll3	Library - Reading Area	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
Classroom 18	Classroom, Lecture, or Training Vocational	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
Elec 503	Electrical Mechancial Telephone Room	Readily Accessible	NA: Enclosed area w/ 1 luminaire <=2 Lamps	NA: Elec. equip. rm	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
					13				
					Plan Sheet Showing Daylit Zones:				
					2E204				

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

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
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	Date Prepared:	2024-10-03T15:56:07-04:00

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

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
Libraray Ll1	Library - Reading Area	0.8	884	707.2	No	No
Work 506	All Other Space Types	0.4	162	64.8	No	No
Library Ll2	Library - Reading Area	0.8	278	222.4	No	No
Library Ll3	Library - Reading Area	0.8	886	708.8	No	No
Classroom 18	Classroom, Lecture, or Training Vocational	0.6	889	533.4	No	No
Elec 503	Electrical Mechancial Telephone Room	0.4	100	40	No	No
		TOTALS:	3,199	2,276.6	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.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Mt Diablo ES Modernization Increment 2 - Bldg 5	**Report Page:**	**(Page 6 of 8)**
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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

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Mt Diablo ES Modernization Increment 2 - Bldg 5	**Report Page:**	**(Page 7 of 8)**
	Date Prepared:	2024-10-03T15:56:07-04:00

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.	Libraray Ll1; Work 506; Library Ll2; Library Ll3; Classroom 18
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	Libraray Ll1; Work 506; Library Ll2; Library Ll3; Classroom 18

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Mt Diablo ES Modernization Increment 2 - Bldg 5	**Report Page:**	**(Page 8 of 8)**
Project Address: 1936 Carlotta Way, Concord, CA 94519	**Date Prepared:**	2024-10-03T15:56:07-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: J. David Maino	Documentation Author Signature:
Company: Atium Engineering	Signature Date: 10/3/24
Address: 3533 York Ln	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: San Ramon/CA/94582	Phone: (913)-961-1658

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.
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Responsible Designer Name: J. David Maino	Responsible Designer Signature:
Company: Atium Engineering	Date Signed: 10/3/24
Address: 3533 York Ln	License: E19208
City/State/Zip: San Ramon/CA/94582	Phone: (913)-961-1658

Indoor Lighting Mandatory Measures:

110.9 LIGHTING CONTROLS AND COMPONENTS
ALL LIGHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT SOURCES SHALL MEET THE APPLICABLE REQUIREMENTS OF 110.9.

NOTE: THE EXCEPTED SPACES DO NOT COUNT TOWARDS THE 10,000 FT2 THRESHOLD.

130.0 GENERAL LUMINAIRE REQUIREMENTS
ALL LUMINAIRES SHALL BE FACTORY-LABELLED PER 130.0(c).
ENERGY MANAGEMENT CONTROL SYSTEMS (EMCS) SHALL MEET REQUIREMENTS OF 130.0(e).

130.1(a) MANUAL AREA CONTROLS
EACH ROOM OR AREA WITH FLOOR-TO-CEILING WALLS IN THIS BUILDING SHALL HAVE LIGHTING CONTROLS THAT ALLOW LIGHTING TO BE MANUALLY TURNED ON AND OFF MANUAL CONTROLS SHALL:

1. BE READILY ACCESSIBLE

2. BE LOCATED IN THE SAME ENCLOSED AREA WITH THE LIGHTING IT CONTROLS.

3. PROVIDE SEPARATE CONTROL OF GENERAL, FLOOR, WALL, WINDOW CASE DISPLAY, ORNAMENTAL AND SPECIAL EFFECTS LIGHTING SO EACH TYPE CAN BE TURNED ON AND OFF SEPARATELY WITHOUT AFFECTING OTHER LIGHTING OR EQUIPMENT.

130.1(b) MULTILEVEL LIGHTING CONTROLS
GENERAL LIGHTING IN ALL ROOMS AND AREAS 100 FT2 OR GREATER AND WITH MORE THAN 0.5 WATTS PER FT2 OF LIGHTING LOAD SHALL HAVE MULTILEVEL CONTROLS THAT ALLOW LIGHT LEVELS TO BE ADJUSTED UP AND DOWN. CONTROLS SHALL PROVIDE NUMBER OF CONTROL STEPS AND UNIFORM ILLUMINANCE LIGHT LEVELS PER TABLE 130.1-A.

130.1(c): SHUTOFF CONTROLS
ALL INSTALLED INDOOR LIGHTING SHALL BE EQUIPPED WITH CONTROLS TO AUTOMATICALLY REDUCE LIGHTING POWER WHEN SPACE IS TYPICALLY UNOCCUPIED.

130.1(c)1: CONTROL REQUIREMENTS
ALL INSTALLED INDOOR LIGHTING SHALL HAVE ALL OF THE FOLLOWING:
A. CONTROL(S) CAPABLE OF AUTOMATICALLY SHUTTING OFF ALL LIGHTING IN THE SPACE WHEN TYPICALLY UNOCCUPIED (OCCUPANT SENSING CONTROL, AUTOMATIC TIME-SWITCH CONTROL, OR OTHER)
B. SEPARATE CONTROLS FOR LIGHTING ON EACH FLOOR (OTHER THAN STAIRWELLS)

C. SEPARATE CONTROLS FOR A SPACE ENCLOSED BY CEILING HEIGHT PARTITIONS NOT EXCEEDING 5,000 FT2

Indoor Lighting Mandatory Measures:

130.1(c)5 REQUIRED USE OF FULL-OFF OCCUPANT SENSORS
FULL-OFF OCCUPANT SENSING CONTROLS THAT ARE CAPABLE OF AUTOMATICALLY SHUTTING OFF ALL LIGHTING WHEN THE THE CONTROL ZONE IS UNOCCUPIED FOR 20 MINUTES OR LESS ARE REQUIRED FOR:

- OFFICES 250 FT² OR SMALLER
- MULTIPURPOSE ROOMS <1000 FT²
- CLASSROOMS OF ANY SIZE
- CONFERENCE ROOMS OF ANY SIZE
- RESTROOMS OF ANY SIZE

ADDITIONAL FULL-OFF CONTROL FUNCTIONALITY:
WHEN MULTILEVEL CONTROL IS REQUIRED PER 130.1(b) (ENCLOSED AREA >=100 SQUARE FEET AND LIGHTING LOAD <0.5 W/FT2) PROVIDE VACANCY SENSOR OR PARTIAL-ON OCCUPANCY SENSOR. WHEN MULTILEVEL CONTROL IS NOT REQUIRED PER 130.1(b), PROVIDE OCCUPANT SENSOR, PARTIAL-ON OCCUPANT SENSOR, OR VACANCY SENSOR.

130.1(c)6 PARTIAL OR FULL-OFF OCCUPANT SENSORS
PROVIDE PARTIAL OR FULL-OFF OCCUPANT SENSORS, IN ADDITION TO SHUTOFF CONTROLS PER 130.1(c)1 AND 130.1(c)2, IN THE FOLLOWING SPACES:

- AISLE WAYS AND OPEN AREAS IN WAREHOUSES
- LIBRARY BOOK STACK AISLES
- CORRIDORS AND STAIRWELLS
- OFFICES GREATER THAN 250 SQ. FT.

Indoor Lighting Mandatory Measures:

130.1(d) AUTOMATIC DAYLIGHTING CONTROLS
ALL GENERAL LIGHTING IN THE FOLLOWING ZONES SHALL HAVE CONTROLS THAT AUTOMATICALLY ADJUST THE INSTALLED LIGHTING POWER UP AND DOWN TO KEEP TOTAL LIGHT LEVEL STABLE AS INCOMING DAYLIGHT CHANGES:

- PRIMARY SIDELIT DAYLIT ZONES
- SECONDARY SIDELIT DAYLIT ZONES
- COMBINED PRIMARY AND SECONDARY SIDELIT DAYLIT ZONES IN PARKING GARAGES

ALL DAYLIT ZONES MUST BE SHOWN ON PLANS.

NOTE: PARKING AREAS ON THE ROOF OF A PARKING STRUCTURE ARE NOT SKYLIT DAYLIT AREAS.

IN ADDITION, AUTOMATIC DAYLIGHTING CONTROLS SHALL PROVIDE SEPARATE CONTROL FOR LUMINAIRES IN EACH TYPE OF DAYLIT ZONE. LUMINAIRES THAT FALL IN BOTH SKYLIT AND SIDELIT DAYLIT ZONE SHALL BE CONTROLLED AS PART OF THE SKYLIT ZONE.

130.1(d)3 THE AUTOMATIC DAYLIGHTING CONTROLS SHALL ACHIEVE ALL OF THE FOLLOWING:
A. ADJUST LIGHTING VIA CONTINUOUS DIMMING OR THE NUMBER OF CONTROL STEPS PROVIDED BY THE MULTILEVEL CONTROLS (FOR SPACES REQUIRED TO INSTALL MULTILEVEL CONTROLS UNDER SECTION 130.1(b)).

B. FOR EACH SPACE, ENSURE COMBINED ILLUMINANCE FROM CONTROLLED LIGHTING AND DAYLIGHT IS NOT LESS THAN ILLUMINANCE FROM CONTROLLED LIGHTING WHEN NO DAYLIGHT IS AVAILABLE.

C. ENSURE THAT THE GENERAL LIGHTING POWER IN A DAYLIT ZONE SHALL BE REDUCED BY AT LEAST 90% WHEN DAYLIGHT ILLUMINANCE IN THAT ZONE IS GREATER THAN 150% OF DESIGN ILLUMINANCE RECEIVED FROM THE GENERAL LIGHTING SYSTEM AT FULL POWER (NOT APPLICABLE TO PARKING GARAGES).

D. (FOR PARKING GARAGES ONLY) ENSURE THAT WHEN ILLUMINANCE LEVELS MEASURED AT THE FARTHEST EDGE OF THE SECONDARY SIDELIT ZONE AWAY FROM GLAZING OR OPENING ARE GREATER THAN 150% OF THE ILLUMINANCE PROVIDED BY THE CONTROLLED LIGHTING WHEN NO DAYLIGHT IS AVAILABLE, THE CONTROLLED LIGHTING POWER IN THE COMBINED PRIMARY AND SECONDARY SIDELIT DAYLIT ZONES SHALL BE REDUCED BY 100%.

130.1(d)4 WHEN PHOTOSENSORS ARE LOCATED WITHIN THE DAYLIT ZONE, AT LEAST ONE PHOTOSENSOR SHALL BE LOCATED SO THAT IT IS NOT READILY ACCESSIBLE TO UNAUTHORIZED PERSONNEL.

130.1(d)5 THE LOCATION WHERE CALIBRATION ADJUSTMENTS ARE MADE TO AUTOMATIC DAYLIGHTING CONTROLS SHALL BE READILY ACCESSIBLE TO AUTHORIZED PERSONNEL BUT MAY BE INSIDE A LOCKED CASE OR UNDER A COVER THAT REQUIRES A TOOL FOR ACCESS.

Indoor Lighting Mandatory Measures:

130.1(f) CONTROL INTERACTIONS
EACH LIGHTING CONTROL INSTALLED TO MEET 130.1 REQUIREMENTS SHALL INCORPORATE THE FUNCTIONS OF OTHER LIGHTING CONTROLS REQUIRED BY THIS SECTION.

1. FOR GENERAL LIGHTING, MANUAL AREA CONTROL SHALL PERMIT THE LEVEL OF LIGHT PROVIDED WHILE LIGHTING IS ON TO BE SET OR ADJUSTED BY CONTROLS SPECIFIED IN 130.1(b), (c), (d) and (e).

2. MANUAL AREA CONTROL SHALL PERMIT SHUTOFF CONTROL TO TURN THE LIGHTING DOWN OR OFF.

3. MULTILEVEL CONTROL SHALL PERMIT THE AUTOMATIC DAYLIGHTING CONTROL TO ADJUST ELECTRIC LIGHTING IN RESPONSE TO DAYLIGHT.

4. MULTILEVEL CONTROL SHALL PERMIT THE DEMAND RESPONSIVE (DR) CONTROL TO ADJUST LIGHTING DURING A DR EVENT THEN RETURN IT TO THE LEVEL SET BY THE CONTROL AFTER THE EVENT.

5 SHUTOFF CONTROL SHALL PERMIT THE MANUAL AREA CONTROL TO TURN THE LIGHTING ON.

6. AUTOMATIC DAYLIGHTING CONTROL SHALL PERMIT MULTILEVEL LIGHTING CONTROL TO ADJUST THE LIGHTING LEVEL.

7. FOR LIGHTING CONTROLLED BY MULTILEVEL LIGHTING CONTROLS AND OCCUPANT SENSING CONTROLS THAT PROVIDE AUTOMATIC-ON FUNCTION, CONTROLS SHALL PROVIDE A PARTIAL-ON FUNCTION THAT IS CAPABLE OF AUTOMATICALLY ACTIVATING BETWEEN 50-70% OF CONTROLLED LIGHTING POWER.

8. RESERVED

9. FOR SPACE CONDITIONING SYSTEM ZONES SERVING ONLY SPACES THAT ARE REQUIRED TO HAVE OCCUPANT SENSING CONTROLS SHALL BE CONTROLLED BY OCCUPANCY SENSING CONTROLS.

AGENCY APPROVAL DSA# 01-121407

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PROFESSIONAL STAMP



REVISIONS

NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE
MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
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MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
TITLE 24

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2E503

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

FILE LOCATION: G:\shared drives\01_projects\madl architecture_4\23347.50 - mount diablo usd modernization\05_drawings\01_DWGs\Mt Diablo\nc 2\23347.50 - MD - 2E500 - Title 24.dwg
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FIRE ALARM SEQUENCE OF OPERATIONS MATRIX

● = ACTION

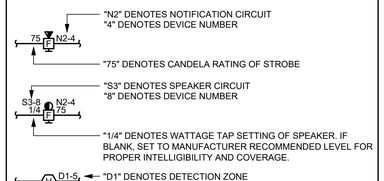
BLANK = NO ACTION

		FIRE ALARM SYSTEM OUTPUTS																		
		CONTROL UNIT ANNUNCIATION						NOTIFICATION												
		ACTUATE FIRE ALARM SIGNAL INDICATOR @ FACP	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL @ FACP	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE AUDIBLE COMMON TROUBLE SIGNAL @ FACP	ACTUATE AUDIBLE ALARM SIGNAL THROUGHOUT BLDG	ACTUATE AUDIBLE ALARM SIGNAL THROUGHOUT BLDG	ACTUATE VISIBLE ALARM SIGNAL THROUGHOUT BLDG	ACTIVATE LOCAL AUDIBLE SIGNAL/SOUNDER	TRANSMIT FIRE ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	SHUT DOWN HVAC UNITS OVER 2000CFM VIA RELAY MODULE			
FIRE ALARM SYSTEM INPUTS		A	B	C	D	E	F	G	H	I	J	K	L	Q			
1	MANUAL FIRE ALARM PULL STATION	●					●	●		●				●			
2	SMOKE DETECTOR AT FACP	●					●	●		●				●			
3	SMOKE DETECTOR - GENERAL AREA	●					●	●		●				●			
6	WATER FLOW SWITCH ACTIVATION	●					●	●	●	●				●			
7	VALVE TAMPER SWITCH ACTIVATION		●	●					●		●						
8	DUCT SMOKE DETECTOR ACTIVATION	●					●	●		●							
9	HEAT DETECTOR ACTIVATION IN ABOVE CEILINGS	●					●	●		●							
15	CELLULAR COMMUNICATOR TROUBLE				●	●								●			
16	DACT COMMUNICATOR TROUBLE				●	●								●			
17	FIRE ALARM AC POWER FAILURE				●	●								●			
18	FIRE ALARM SYSTEM LOW BATTERY				●	●								●			
19	FIRE ALARM OPEN CIRCUIT				●	●								●			
20	FIRE ALARM GROUND FAULT				●	●								●			
21	NAC CIRCUIT SHORT				●	●								●			

FIRE ALARM SYMBOLS

- (F) — MANUAL PULL STATION
  MODEL: SIGA-278
  CSFM: 7150-1657:0129
- (S) — SMOKE DETECTOR
  MODEL: SIGA-PCD
  CSFM: 7275-1657:0334
- (H)C — HEAT DETECTOR - ABOVE CEILING
  MODEL: SIGA-HFD
  CSFM: 7270-1657:0333
- (H) — HEAT DETECTOR
  - SEE DSA APPLICATION# 105316
- (F) — HORN/STROBE
  MODEL: G1AVRF
  CSFM: 7135-1657:0502
- (F) — STROBE
  MODEL: G1VRF
  CSFM: 7125-1657:0506
- FACP — FIRE ALARM CONTROL PANEL
  - SEE DSA APPLICATION# 105316
- RNPS — REMOTE NOTIFICATION POWER SUPPLY
  - SEE DSA APPLICATION# 105316
- FATC — FIRE ALARM TERMINAL CABINET, SIZE AS REQ'D
- EOL — END OF LINE RESISTOR

TYPICAL ZONE NOMENCLATURE



"N2" DENOTES NOTIFICATION CIRCUIT
"4" DENOTES DEVICE NUMBER

"75" DENOTES CANDELA RATING OF STROBE

"S3" DENOTES SPEAKER CIRCUIT
"8" DENOTES DEVICE NUMBER

"1/4" DENOTES WATTAGE TAP SETTING OF SPEAKER. IF BLANK, SET TO MANUFACTURER RECOMMENDED LEVEL FOR PROPER INTELLIGIBILITY AND COVERAGE.

"D1" DENOTES DETECTION ZONE
"5" DENOTES DEVICE NUMBER

FIRE ALARM SEQUENCE OF OPERATIONS

1. ACTIVATION OF ANY SYSTEM PULL STATION, SMOKE DETECTOR, HEAT DETECTOR, WATER FLOW SWITCH OR ANSUL UNIT SHALL CAUSE ALL SIGNAL DEVICES CONNECTED TO THE SYSTEM TO ACTIVATE AND SOUND. FACP(S) AND REMOTE ANNUNCIATOR(S) SHALL INDICATE THE SOURCE OF THE ALARM AND ALARM LIGHT(S) ON THE FIRE ALARM PANEL WILL ILLUMINATE. ACTIVATION OF ALARM SHALL CAUSE THE DIGITAL ALARM COMMUNICATIONS TRANSMITTER TO TRANSMIT THE ALARM TO A U.L. LISTED CENTRAL STATION.

IN ADDITION:

   A. ACTIVATION OF AN AHU DUCT SMOKE DETECTOR SHALL SHUT DOWN THE ASSOCIATED AHU VIA A RELAY BASE.

2. ACTIVATION OF A VALVE SUPERVISORY SWITCH OR SHOULD AN OPEN GROUND OR FAULT OCCUR IN THE WIRING, THE FACP(S) AND REMOTE ANNUNCIATOR(S) SHALL INITIATE A TROUBLE SIGNAL AND SHALL INDICATE THE SOURCE OF THE TROUBLE.

3. ONCE THE SYSTEM IS BACK TO NORMAL, THE PANEL WILL RESOUND FOR PROPER RESETTING.

4. WHERE REMOTE MONITORING IS NOT REQUIRED, THE FIRE ALARM PANEL SHALL BE BACKED UP BY STANDY BATTERIES FOR 24 HOURS AND 5 MINUTES OF ALARM. WHERE REMOTE MONITORING IS REQUIRED, THE FIRE ALARM PANEL SHALL BE BACKED UP BY STANDBY BATTERIES FOR 60 HOURS AND 5 MINUTES OF ALARM.

PROJECT DESCRIPTION

1. OCCUPANCY TYPE: E (EDUCATIONAL)
2. BUILDING CONSTRUCTION TYPE: V-N
3. SYSTEM TYPE: CLASS B, ADDRESSABLE, AUTOMATIC.
4. METHOD OF COMMUNICATION: TELEPHONE
5. SCOPE OF WORK: PROTECT-IN-PLACE EXISTING FIRE ALARM DEVICES FOR ALL BUILDINGS WITH MODERNIZATION WORK.
6. FIRE ALARM SYSTEM MEETS REQUIREMENTS OF CA SB575 GREEN OAKS FAMILY ACADEMY ELEMENTARY SCHOOL FIRE PROTECTION ACT.

FIRE ALARM GENERAL NOTES

A. PLANS SHALL BE APPROVED BY THE "DIVISION OF THE STATE ARCHITECT" (DSA) PRIOR TO BEGINNING WORK. SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW PRIOR TO PURCHASE AND INSTALLATION OF THE SYSTEM.

B. ALL FIRE ALARM DEVICES SHALL BE CALIFORNIA STATE FIRE MARSHAL (CSFM) LISTED.

C. FIRE ALARM WIRING AND MATERIALS SHALL BE LISTED FOR USE AS REQUIRED BY TITLE 24/CEC, ARTICLE 760. MINIMUM WIRE SHALL BE TWO (2) #14 AWG FOR INITIATING CIRCUITS AND TWO (2) #14 AWG FOR INDICATING CIRCUITS.

D. FIRE ALARM WIRE USED IN WET LOCATIONS SHALL BE OF AN APPROVED TYPE IN ACCORDANCE WITH 3-310-8, T24/CEC (i.e. THHW OR EQUAL).

E. PER CEC STANDARDS ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE WIRE. THERE MUST BE AT LEAST 6" OF LEAD WIRE FROM BOX TO THE DEVICE. ALL BOXES SIZED PER CEC.

F. PENETRATIONS OF FIRE RATED WALLS SHALL BE PROTECTED IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, CHAPTER 7, TITLE 24. PROVIDE DETAILS OF FIRE- STOP SYSTEMS FOR ALL PIPE/CABLE/CONDUIT PASSING THROUGH FIRE RATED WALLS/FLOORS REQUIRING PROTECTED OPENINGS.

G. VISUAL FIRE ALARM DEVICES SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELAS. NO PLACE IN ANY ROOM SHALL BE MORE THAN 50 FEET FROM A DEVICE. DEVICES WITHIN 55' OF EACH OTHER SHALL BE SYNCHRONIZED.

H. ALL FIRE ALARM DEVICE CONNECTIONS TO THE LIGHT AND POWER SERVICE SHALL BE ON A DEDICATED BRANCH CIRCUIT(S). THE CIRCUIT(S) AND CONNECTIONS SHALL BE MECHANICALLY PROTECTED. CIRCUIT DISCONNECTING MEANS SHALL HAVE A PERMANENT RED MARKING, SHALL BE ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL, AND SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL." THE LOCATION OF THE CIRCUIT DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT. (2022 NFPA 72 SECTION 10.6.5.2.1)

I. THE CONTRACTOR SHALL ADJUST ALL DEVICES TO MAXIMUM PERFORMANCE AND TO MINIMIZE FALSE ALARMS.

J. FIRE ALARM EVACUATION SIGNAL SHALL SOUND A THREE-PULSE TEMPORAL PATTERN (2022 CBC 907.5.2.1.3 AND 2022 NFPA 72 18.4.2.1). CARBON MONOXIDE SIGNAL SHALL SOUND A FOUR-PULSE TEMPORAL PATTERN (2022 NFPA 72, 5.8.6.5.1).

K. AUDIBLE FIRE ALARM SOUND LEVEL SHALL BE AT LEAST 15 dBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL IN ALL OCCUPIABLE AREAS. (2022 NFPA 72 SECTION 18.4.3.1) (I.E. CLASSROOM AVERAGE AMBIENT ROOM NOISE IS 45 dBA PLUS 15 dBA EQUALS 60 dBA MINIMUM ALARM TONE REQUIRED). SOUND TO BE MAINTAINED FOR A MINIMUM DURATION OF 60 SECONDS.

L. STROBES SHALL FLASH AT A RATE OF NOT EXCEEDING TWO FLASHES PER SECOND NOR BE LESS THAN ONE FLASH EVERY SECOND. (2022 NFPA 72 SECTION 18.5.3.1)

M. AUDIBLE SIGNALS INTENDED FOR OPERATION IN THE PUBLIC MODE SHOULD HAVE A SOUND LEVEL OF NOT LESS THAN 75 dBA AT 10 FEET OR MORE THAN 110 dBA AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE. (2022 NFPA 72 SECTION18.4)

N. SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.

O. THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.

P. DSA, ARCHITECT AND ENGINEER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND/OR TESTING.

Q. FINAL FIRE ALARM TEST SHALL BE MADE WITH THE DSA INSPECTOR OF RECORD (IOR). LOCAL FIRE AUTHORITY SHALL BE NOTIFIED OF DATE AND TIME OF FINAL FIRE ALARM TESTING AND SHALL ASSIST/WITNESS SUCH TESTING AT THEIR DISCRETION.

R. SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.

S. FIRE ALARM CONTRACTOR SHALL PROVIDE A "RECORD OF COMPLETION" TO THE OWNER, ARCHITECT AND INSPECTOR OF RECORD (IOR)/DSA AFTER COMPLETION OF OPERATIONAL ACCEPTANCE TESTS. (2022 NFPA 72 SECTION 7.8.2 AND 14.6 AND FIGURE 7.8.2(a) - 7.8.2(1)).

T. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE ALARM MONITORING CONTRACT OR PROVISIONS. AUTOMATIC FIRE ALARM SYSTEMS SHALL BE MONITORED AND SHALL TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72, AS AMENDED BY CFC CHAPTER 80. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX (CENTRAL STATION) OR UUJS (REMOTE & PROPRIETARY) BY UNDERWRITERS LABORATORY INC. (UL) OR OTHER APPROVED LISTING AND TESTING LABORATORY OR SHALL COMPLY WITH THE REQUIREMENTS OF STANDARD, FACTORY MUTUAL (FM) 3011. TERMINATION OF MONITORING SERVICES SHALL BE IN ACCORDANCE WITH CBC/CFC SECTION 907.6.6.2.

U. PROVIDE A STANDALONE DOCUMENTATION CABINET ADJACENT TO THE FIRE ALARM CONTROL PANEL. ALL RECORDED DOCUMENTATION PERTAINING TO THE FIRE ALARM SYSTEM INSTALLED SHALL BE STORED IN THE DOCUMENTATION CABINET (2022 NFPA 72 7.7.2). THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED, "SYSTEM RECORD DOCUMENTS" (2022 NFPA 72 7.7.2.5).

ABBREVIATIONS

A	AMPERE	EMT	ELECTRICAL METALLIC TUBING	NIC	NOT IN CONTRACT
ABV	ABOVE	EOL	END OF LINE RESISTOR	NIEC	NOT IN ELECTRICAL CONTRACT
AF	AMPERE FRAME, AMPERE FUSE	EQP	EQUIPMENT	NO	NORMALLY OPEN
AFF	ABOVE FINISHED FLOOR	FA	FIRE ALARM	NTS	NOT TO SCALE
AIC	AMPERE INTERRUPTING CAPACITY	FACP	FIRE ALARM CONTROL PANEL	NUM, #	NUMBER
ARCH	ARCHITECTURAL	(F)	FUTURE	OC	ON CENTER
AS	AMPERE SWITCH	FIN	FINISH	P	POLE
AT	AMPERE TRIP	FLR	FLOOR	PA	PUBLIC ADDRESS
ATS	AUTOMATIC TRANSFER SWITCH	G, GND	GROUND	PB	PULL BOX
BKR	BREAKER	GRC	GALVANIZED RIGID CONDUIT	PF	POWER FACTOR
BLDG	BUILDING	HGT	HEIGHT	PH	PHASE
C	CONDUIT	HP	HORSEPOWER	PNL	PANEL
CATV	CABLE TELEVISION	IC	INTERCOM	PVC	POLYVINYL CHLORIDE
CB	CIRCUIT BREAKER	IDF	INTERMEDIATE DISTRIBUTION FRAME	(R)	EXISTING TO BE RELOCATED
CBC	CALIFORNIA BUILDING CODE	IMC	INTERMEDIATE METAL CONDUIT	REQD	REQUIRED
CD	CANDELA	INFO	INFORMATION	REQT(S)	REQUIREMENT(S)
CEC	CALIFORNIA ELECTRICAL CODE	JB	JUNCTION BOX	RM	ROOM
CFC	CALIFORNIA FIRE CODE	KAIC	KILOAMPERE INTERRUPTING CAPACITY	RSC	RIGID STEEL CONDUIT
CKT	CIRCUIT	KV	KILOVOLT	SAD	SEE ARCHITECTURAL DOCUMENTS
CL	CENTER LINE	KVA	KILOVOLT AMPERE	SHT	SHEET
CLG	CEILING	KW	KILOWATT	SPD	SURGE PROTECTIVE DEVICE
CO	CONDUIT ONLY	LTG	LIGHTING	STC	SIGNAL TERMINAL CABINET
COMM	COMMUNICATIONS	LV	LOW VOLTAGE	SW	SWITCH
CSFM	CALIFORNIA STATE FIRE MARSHALL	MAX	MAXIMUM	SWBD	SWITCHBOARD
CTR	CENTER	KCMIL	THOUSAND CIRCULAR MILS	T24	CALIFORNIA ENERGY CODE
(D)	DEMOLISH	MDF	MAIN DISTRIBUTION FRAME	TC	TERMINAL CABINET
DET	DETAIL	MECH	MECHANICAL	TEL	TELEPHONE
DIM	DIMENSION	MH	MANHOLE	TYP	TYPICAL
DIST	DISTRIBUTION	MIN	MINIMUM	UON	UNLESS OTHERWISE NOTED
DP	DISTRIBUTION PANEL	MTD	MOUNTED	V	VOLT
DWG	DRAWING	MTG	MOUNTING	W	WATT, WIRE
(E)	EXISTING	NC	NORMALLY CLOSED	WP	WEATHERPROOF
ELEC	ELECTRICAL	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	XFMR	TRANSFORMER
EM	EMERGENCY				

DRAWING INDEX

2F000	GENERAL INFORMATION
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2F203	FIRE ALARM PLANS
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2F301	DIAGRAMS
2F302	DIAGRAMS
2F401	DETAILS

AGENCY APPROVAL DSA# 01-121407

196

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BATTERY CALCULATION - NEW BOOSTER POWER SUPPLY BPS#3 (BLDG. 3)

PANEL MODULES

QTY	MODEL NO.	DESCRIPTION	STANDBY EACH	STANDBY TOTAL	ALARM EACH	ALARM TOTAL
1	BPS10	BOOSTER POWER SUPPLY	0.070000	0.070000	0.190000	0.190000
		PANEL STANDBY CURRENT		0.070000		
		PANEL ALARM CURRENT				0.190000

FIELD DEVICES

QTY	MODEL NO.	DESCRIPTION	STANDBY EACH	STANDBY TOTAL	ALARM EACH	ALARM TOTAL
0	GR-HV110	HORN-STROBE 110CD	0.000000	0.000000	0.204000	0.000000
4	GR-HV75	HORN-STROBE 75CD	0.000000	0.000000	0.157000	0.628000
0	GR-V15	STROBE 15 CD	0.000000	0.000000	0.058000	0.000000
1	757-1-AT	EXTERIOR HORN	0.000000	0.000000	0.040000	0.040000
2	G1M-RM	SIGNAL MASTER MODULE	0.010000	0.020000	0.010000	0.020000
		DEVICE STANDBY CURRENT		0.000000		
		DEVICE ALARM CURRENT				0.688000

TOTAL SYSTEM CURRENT

DESCRIPTION	STANDBY	ALARM
CONTROL PANEL	0.070000	0.190000
FIELD DEVICES	0.000000	1.519000
TOTAL STANDBY CURRENT	0.070000	
X 24 HOUR STANDBY	1.680000	
TOTAL ALARM CURRENT		0.878000
5 MINUTES OF ALARM (X .083)		0.072874
TOTAL BATTERY REQUIREMENT		1.752874
BATTERY SUPPLIED		(2) 10Ah

VOLTAGE DROP CALCULATION

NOTIFICATION CIRCUIT 3S1 (BUILDING "3")

		3S1-1	3S1-2	3S1-3	3S1-4
DEVICE #					
WIRE GAUGE		12	12	12	12
DISTANCE (FT)		45	20	25	15
AMPS @ DEVICE		0.157	0.157	0.157	0.157
AMPS DEVELOPED		0.786	0.629	0.472	0.315
VOLT. DROP		0.142	0.051	0.047	0.019
TOTAL CKT V.D.=	0.259				
CKT VOLTAGE=	24				
VOLTAGE AT FINAL DEVICE=	23.741				
% VOLTAGE DROP=	1.080				

NOTIFICATION CIRCUIT 3S2 (BUILDING "3")

		3S2-1	3S2-2	3S2-3	3S2-4	3S2-5
DEVICE #						
WIRE GAUGE		12	12	12	12	12
DISTANCE (FT)		45	35	15	25	25
AMPS @ DEVICE		0.04	0.04	0.04	0.04	0.04
AMPS DEVELOPED		0.200	0.160	0.120	0.080	0.040
VOLT. DROP		0.036	0.023	0.007	0.008	0.004
TOTAL CKT V.D.=	0.078					
CKT VOLTAGE=	24					
VOLTAGE AT FINAL DEVICE=	23.922					
% VOLTAGE DROP=	0.325					

BATTERY CALCULATION - NEW BOOSTER POWER SUPPLY BPS#4 (BLDG. 4)

PANEL MODULES

QTY	MODEL NO.	DESCRIPTION	STANDBY EACH	STANDBY TOTAL	ALARM EACH	ALARM TOTAL
1	BPS10	BOOSTER POWER SUPPLY	0.070000	0.070000	0.190000	0.190000
		PANEL STANDBY CURRENT		0.070000		
		PANEL ALARM CURRENT				0.190000

FIELD DEVICES

QTY	MODEL NO.	DESCRIPTION	STANDBY EACH	STANDBY TOTAL	ALARM EACH	ALARM TOTAL
1	GR-HV110	HORN-STROBE 110CD	0.000000	0.000000	0.204000	0.204000
7	GR-HV75	HORN-STROBE 75CD	0.000000	0.000000	0.157000	1.099000
2	GR-V15	STROBE 15 CD	0.000000	0.000000	0.058000	0.116000
2	757-1-AT	EXTERIOR HORN	0.000000	0.000000	0.040000	0.080000
2	G1M-RM	SIGNAL MASTER MODULE	0.010000	0.020000	0.010000	0.020000
		DEVICE STANDBY CURRENT		0.000000		
		DEVICE ALARM CURRENT				1.519000

TOTAL SYSTEM CURRENT

DESCRIPTION	STANDBY	ALARM
CONTROL PANEL	0.070000	0.190000
FIELD DEVICES	0.000000	1.519000
TOTAL STANDBY CURRENT	0.070000	
X 24 HOUR STANDBY	1.680000	
TOTAL ALARM CURRENT		1.709000
5 MINUTES OF ALARM (X .083)		0.141847
TOTAL BATTERY REQUIREMENT		1.821847
BATTERY SUPPLIED		(2) 10Ah

VOLTAGE DROP CALCULATION

NOTIFICATION CIRCUIT 4S1 (BUILDING "4")

		4S1-1	4S1-2	4S1-3	4S1-4	4S1-5	4S1-6
DEVICE #							
WIRE GAUGE		12	12	12	12	12	12
DISTANCE (FT)		55	45	40	25	35	35
AMPS @ DEVICE		0.157	0.157	0.058	0.157	0.157	0.157
AMPS DEVELOPED		0.943	0.786	0.529	0.471	0.314	0.157
VOLT. DROP		0.186	0.124	0.085	0.047	0.044	0.022
TOTAL CKT V.D.=	0.509						
CKT VOLTAGE=	24						
VOLTAGE AT FINAL DEVICE=	23.491						
% VOLTAGE DROP=	2.121						

VOLTAGE DROP CALCULATION

NOTIFICATION CIRCUIT 4S2 (BUILDING "4")

		4S2-1	4S2-2	4S2-3	4S2-4	4S2-5	4S2-6
DEVICE #							
WIRE GAUGE		12	12	12	12	12	12
DISTANCE (FT)		55	45	35	20	15	15
AMPS @ DEVICE		0.04	0.04	0.04	0.04	0.04	0.04
AMPS DEVELOPED		0.240	0.200	0.160	0.120	0.080	0.040
VOLT. DROP		0.053	0.036	0.023	0.010	0.005	0.002
TOTAL CKT V.D.=	0.129						
CKT VOLTAGE=	24						
VOLTAGE AT FINAL DEVICE=	23.871						
% VOLTAGE DROP=	0.536						

BATTERY CALCULATION - NEW BOOSTER POWER SUPPLY BPS#2 (BUILDING NO. 2)

PANEL MODULES

QTY	MODEL NO.	DESCRIPTION	STANDBY EACH	STANDBY TOTAL	ALARM EACH	ALARM TOTAL
1	BPS10	BOOSTER POWER SUPPLY	0.070000	0.070000	0.190000	0.190000
		PANEL STANDBY CURRENT		0.070000		
		PANEL ALARM CURRENT				0.190000

FIELD DEVICES

QTY	MODEL NO.	DESCRIPTION	STANDBY EACH	STANDBY TOTAL	ALARM EACH	ALARM TOTAL
0	GR-HV110	HORN-STROBE 110CD	0.000000	0.000000	0.204000	0.000000
7	GR-HV75	HORN-STROBE 75CD	0.000000	0.000000	0.157000	1.099000
2	GR-V15	STROBE 15 CD	0.000000	0.000000	0.058000	0.116000
3	757-1-AT	EXTERIOR HORN	0.000000	0.000000	0.040000	0.120000
2	G1M-RM	SIGNAL MASTER MODULE	0.010000	0.020000	0.010000	0.020000
		DEVICE STANDBY CURRENT		0.000000		
		DEVICE ALARM CURRENT				1.355000

TOTAL SYSTEM CURRENT

DESCRIPTION	STANDBY	ALARM
CONTROL PANEL	0.070000	0.190000
FIELD DEVICES	0.000000	1.355000
TOTAL STANDBY CURRENT	0.070000	
X 24 HOUR STANDBY	1.680000	
TOTAL ALARM CURRENT		1.545000
5 MINUTES OF ALARM (X .083)		0.128235
TOTAL BATTERY REQUIREMENT		1.808235
BATTERY SUPPLIED		(2) 10Ah

VOLTAGE DROP CALCULATION

NOTIFICATION CIRCUIT 2S1 (BLDG. 2)

		2S1-1	2S1-2	2S1-3	2S1-4	2S1-5	2S1-6	2S1-7	2S1-8	2S1-9
DEVICE #										
WIRE GAUGE		12	12	12	12	12	12	12	12	12
DISTANCE (FT)		15	20	25	35	20	45	35	25	45
AMPS @ DEVICE		0.157	0.157	0.157	0.157	0.157	0.058	0.058	0.157	0.157
AMPS DEVELOPED		1.372	1.215	1.058	0.901	0.744	0.587	0.529	0.471	0.314
VOLT. DROP		0.083	0.098	0.106	0.127	0.060	0.106	0.074	0.047	0.057
TOTAL CKT V.D.=	0.758									
CKT VOLTAGE=	24									
VOLTAGE AT FINAL DEVICE=	23.242									
% VOLTAGE DROP=	3.159									

VOLTAGE DROP CALCULATION

NOTIFICATION CIRCUIT 2S2 (BLDG. 2)

		2S2-1	2S2-2	2S2-3	2S2-4	2S2-5	2S2-6	2S2-7	2S2-8	2S2-9
DEVICE #										
WIRE GAUGE		12	12	12	12	12	12	12	12	12
DISTANCE (FT)		40	35	25	45	25	35	25	45	35
AMPS @ DEVICE		0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
AMPS DEVELOPED		0.440	0.400	0.360	0.320	0.280	0.240	0.200	0.160	0.120
VOLT. DROP		0.071	0.056	0.036	0.058	0.028	0.034	0.020	0.029	0.017
TOTAL CKT V.D.=	0.349									
CKT VOLTAGE=	24									
VOLTAGE AT FINAL DEVICE=	23.651									
% VOLTAGE DROP=	1.454									

FIRE ALARM SYSTEM BATTERY CALCULATION - (N) MAIN FACP (BUILDING 5)

QTY	MODEL NO.	DESCRIPTION	STANDBY EACH	STANDBY TOTAL	ALARM EACH	ALARM TOTAL
1	EST-3	(N) FACP- PANEL EQUIPMENT				
1	3-CPUI	(N) CENTRAL PROCESSOR UNIT	0.070000	0.070000	0.080000	0.080000
7	3-SDDC	(N) DRIVER CONTROLLER MODULE	0.242000	1.694000	0.261000	1.827000
8	3-IDC8/4	(N) HARDWIRED MODULE	0.053000	0.424000	0.350000	2.800000
1	3-LCD	(N) DISPLAY MODULE	0.053000	0.053000	0.053000	0.053000
4	3-24R	(N) 24 RED DISPLAY MODULE	0.002000	0.008000	0.015000	0.060000
2	3-24Y	(N) YELOW LED DISPLAY MODULE	0.002000	0.004000	0.015000	0.030000
9	3-BPS/M	(N) BOOSTER POWER SUPPLY	0.053000	0.477000	0.053000	0.477000
		PANEL STANDBY CURRENT =		2.730000		
		PANEL ALARM CURRENT =				5.327000
		FIELD DEVICES				
1	ENVOY-EV3	(N) FA GRAPHIC ANNUNCIATOR	0.193000	0.193000	0.207000	0.207000
1	3-MODCOM	(N) MODEM COMMUNICATOR	0.053000	0.053000	0.053000	0.053000
176	SIGA-IPHS	(N) ADDRESSABLE IONIZATION/SMOKE DETECTOR	0.000045	0.007920	0.000045	0.007920
6	SIGA-278	(N) ADDRESSABLE MANUAL PULL STATION	0.000250	0.001500	0.000400	0.002400
36	SIGA-HFS	(N) ADDRESSABLE HEAT DETECTOR	0.000045	0.001620	0.000045	0.001620
15	SIGA-CT1	(N) ADDRESSABLE INPUT MODULE	0.000223	0.003345	0.100000	1.500000
69	SIGA-IM	(N) ADDRESSABLE ISOLATOR MODULE	0.000045	0.003105	0.000045	0.003105
5		(E) 15 CANDELA STROBE LIGHT	0.000000	0.000000	0.050000	0.300000
11		(E) 75 CANDELA STROBE LIGHT	0.000000	0.000000	0.160000	1.760000
2		(E) HORN	0.000000	0.000000	0.040000	0.080000
		FIELD DEVICE STANDBY CURRENT =		0.264240		
		FIELD DEVICE ALARM CURRENT =				3.927045
		TOTAL SYSTEM CURRENT				
		CONTROL PANEL		2.730000		5.327000
		FIELD DEVICES		0.264240		3.927045
		TOTAL STANDBY CURRENT		2.994240		
		x 24 HOUR STANDBY		71.861760		
		TOTAL ALARM CURRENT				9.254045
		5 MINUTES OF ALARM (x .083)				0.768088
		BATTERY REQUIREMENT				72.629848
		(N) BATTERY SUPPLIED				(2) 100AH

VOLTAGE DROP CALCULATION

NOTIFICATION CIRCUIT MS1 (BUILDING NO. 5)

		MS1-1	MS1-2	MS1-3	MS1-4	MS1-5	MS1-6
DEVICE #							
WIRE GAUGE		12	12	12	12	12	12
DISTANCE (FT)		25	35	40	45	25	35
AMPS @ DEVICE		0.158	0.058	0.058	0.158	0.058	0.158
AMPS DEVELOPED		0.648	0.490	0.432	0.374	0.216	0.158
VOLT. DROP		0.065	0.069	0.069	0.068	0.022	0.022
TOTAL CKT V.D.=	0.315						
CKT VOLTAGE=	24						
VOLTAGE AT FINAL DEVICE=	23.685						
% VOLTAGE DROP=	1.313						

VOLTAGE DROP CALCULATION

NOTIFICATION CIRCUIT MS2 (BUILDING NO. 5)

		MS2-1	MS2-2	MS2-3	MS2-4	MS2-5	MS2-6
DEVICE #							
WIRE GAUGE		12	12	12	12	12	12
DISTANCE (FT)		25	35	40	35	25	35
AMPS @ DEVICE		0.158	0.058	0.058	0.158	0.058	0.158
AMPS DEVELOPED		0.648	0.490	0.432	0.374	0.216	0.158
VOLT. DROP		0.065	0.069	0.069	0.053	0.022	0.022
TOTAL CKT V.D.=	0.300						
CKT VOLTAGE=	24						
VOLTAGE AT FINAL DEVICE=	23.700						
% VOLTAGE DROP=	1.250						

VOLTAGE DROP CALCULATION

NOTIFICATION CIRCUIT MS3 (BUILDING NO.5)

		MS3-1	MS3-2	MS3-3	MS3-4	MS3-5	MS3-6	MS3-7	MS3-8	MS3-9	MS3-10
DEVICE #											
WIRE GAUGE		12	12	12	12	12	12	12	12	12	12
DISTANCE (FT)		35	25	45	25	35	45	50	45	25	45
AMPS @ DEVICE		0.158	0.058	0.058	0.158	0.058	0.158	0.058	0.158	0.058	0.158
AMPS DEVELOPED		1.080	0.922	0.864	0.806	0.648	0.590	0.432	0.374	0.216	0.158
VOLT. DROP		0.152	0.083	0.156	0.081	0.091	0.107	0.087	0.068	0.022	0.029
TOTAL CKT V.D.=	0.885										
CKT VOLTAGE=	24										
VOLTAGE AT FINAL DEVICE=	23.115										
% VOLTAGE DROP=	3.688										

VOLTAGE DROP CALCULATION

NOTIFICATION CIRCUIT MS4 (BUILDING NO.5)

		MS4-1	MS4-2	MS4-3	MS4-4	MS4-5	MS4-6	MS4-7	MS4-8	MS4-9	MS4-10
DEVICE #											
WIRE GAUGE		12	12	12	12	12	12	12	12	12	12
DISTANCE (FT)		35	25	45	25	35	45	50	45	25	45
AMPS @ DEVICE		0.158	0.058	0.058	0.158	0.058	0.158	0.058	0.158	0.058	0.158
AMPS DEVELOPED		1.080	0.922	0.864	0.806	0.648	0.590	0.432	0.374	0.216	0.158
VOLT. DROP		0.152	0.093	0.156	0.081	0.091	0.107	0.087	0.068	0.022	0.029
TOTAL CKT V.D.=	0.885										
CKT VOLTAGE=	24										
VOLTAGE AT FINAL DEVICE=	23.115										
% VOLTAGE DROP=	3.686										

FAS VOLTAGE DROP (VD) CALCULATION "MS3" BLDG 5

DEVICE NUMBER	(E)MS3-1	(E)MS3-2	(E)MS3-3	(E)MS3-4	(R)MS3-5	(R)MS3-6	(E)MS3-7	(E)MS3-8	(E)MS3-9	(E)MS3-10				
WIRE GAUGE	12	12	12	12	12	12	12	12	12	12	12	12	12	12
DISTANCE (FT)	35	25	45	25	45	38	50	45	35	45				
AMPS AT DEVICE	0.158	0.058	0.058	0.158	0.058	0.158	0.058	0.158	0.058	0.158	0.000	0.000	0.000	0.000
AMPS DEVELOPED	1.080	0.922	0.864	0.806	0.648	0.590	0.432	0.374	0.216	0.158	0.000	0.000	0.000	0.000
VOLTAGE DROP	0.134	0.082	0.138	0.071	0.103	0.079	0.076	0.060	0.027	0.025	0.000	0.000	0.000	0.000

TOTAL CIRCUIT VOLTAGE DROP: 0.795
CIRCUIT VOLTAGE: 20.400
VOLTAGE AT FINAL DEVICE: 19.605
% VOLTAGE DROP: 3.897%
MAXIMUM ALLOWED
% VOLTAGE DROP: 10%

WIRE SIZE	OHMS/ 1000 FT	CIRC. MILS.
12	1.77	6530
14	2.82	4110
16	4.48	2580
18	7.14	1620
20	11.34	1020
22	18.08	640
24	28.64	404

FORMULA:
VOLTAGE DROP = AMPS X FT X OHMS/FT

GENERAL NOTES

A. SEE DSA APPLICATION# 01-105351, FILE NO. 7-29.

B. EXISTING EQUIPMENT AND DEVICES UNLESS OTHERWISE INDICATED.

AGENCY APPROVAL DSA# 01-121407

196
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PROFESSIONAL STAMP

REVISIONS

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE
MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
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SHEET TITLE
SCHEDULES

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2F001

DATE: OCTOBER 10, 2024

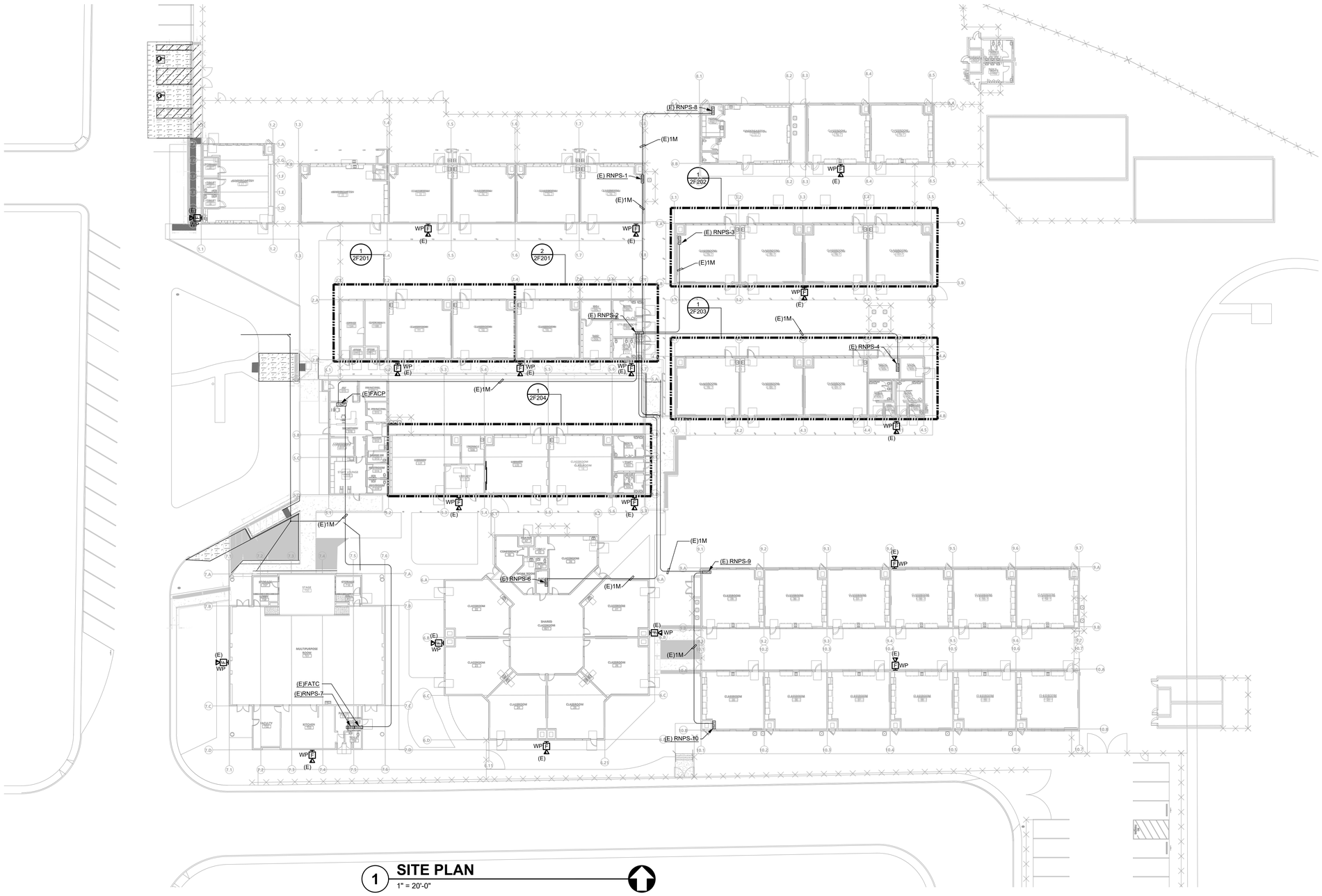
CONSTRUCTION DOCUMENTS

FILE LOCATION: C:\Users\16503\OneDrive\Desktop\PROJECT BINDER\IDeA\mt diablo\CAD 10042405_Drawings\01_DWGs\Mt Diablo\nc 22347.50 - MD - 2F000 - General Information.dwg
LAST SAVED ON: 10/03/24 at 10:17pm, PLOTTED ON: 10/04/24 at 12:41pm
DATE PLOTTED: 8/29/2023 11:46:30 AM FILE LOCATION: C:\Users\tSkim\Documents\23120.01_MTDUSD_MT DIABLO ES MODERNIZATION_A23_tskim32Q7M.rvt

INTERIOR FIRE ALARM CABLE		
TYPE	**DESCRIPTION**	**USE(S)**
A	1 PAIR #16AWG FPL	FIRE ALARM INITIATING DEVICE CIRCUIT (NON-ADDRESSABLE) ATLAS #202-16-1-2J
M	1 PAIR #16AWG FPL TWISTED NON-SHIELDED	FIRE ALARM DATA & INITIATING CIRCUIT - SLC LOOP ATLAS #218-16-1-1TP
N	1 PAIR #12AWG, FPL NON-SHIELDED	FIRE ALARM NOTIFICATION CIRCUIT ATLAS #202-12-1-2J

GENERAL NOTES

A. EXISTING NOTIFICATION DEVICES, WIRING, AND CIRCUITS SHOWN BASED ON DSA # 01-105351, FILE NO. 7-29.



1 **SITE PLAN**
1" = 20'-0"

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PROJECT OWNER & TITLE
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SHEET TITLE
SITE PLAN

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2F100

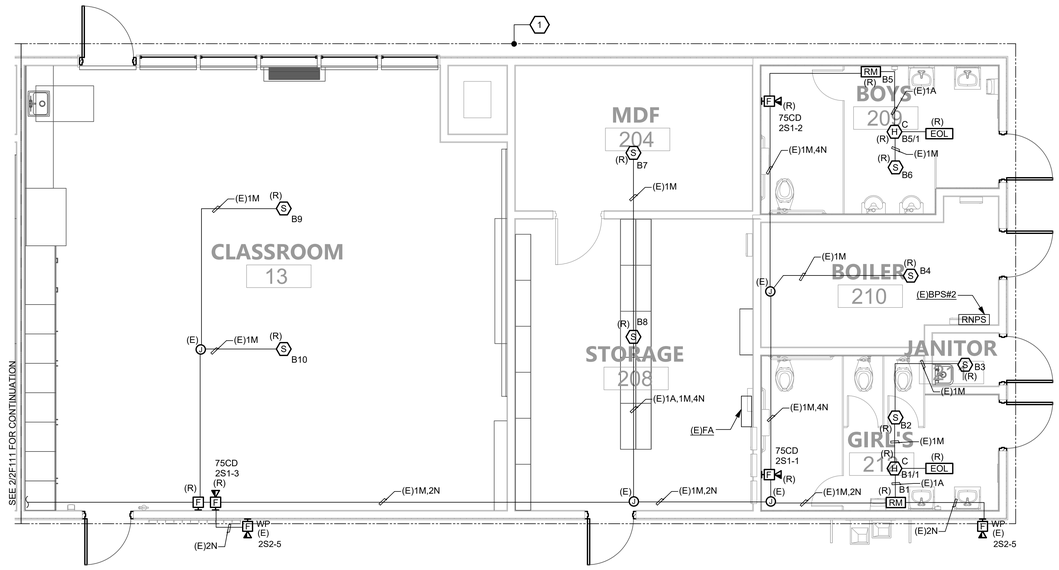
DATE: OCTOBER 10, 2024

AGENCY APPROVAL DSA# 01-121407

CONSTRUCTION DOCUMENTS

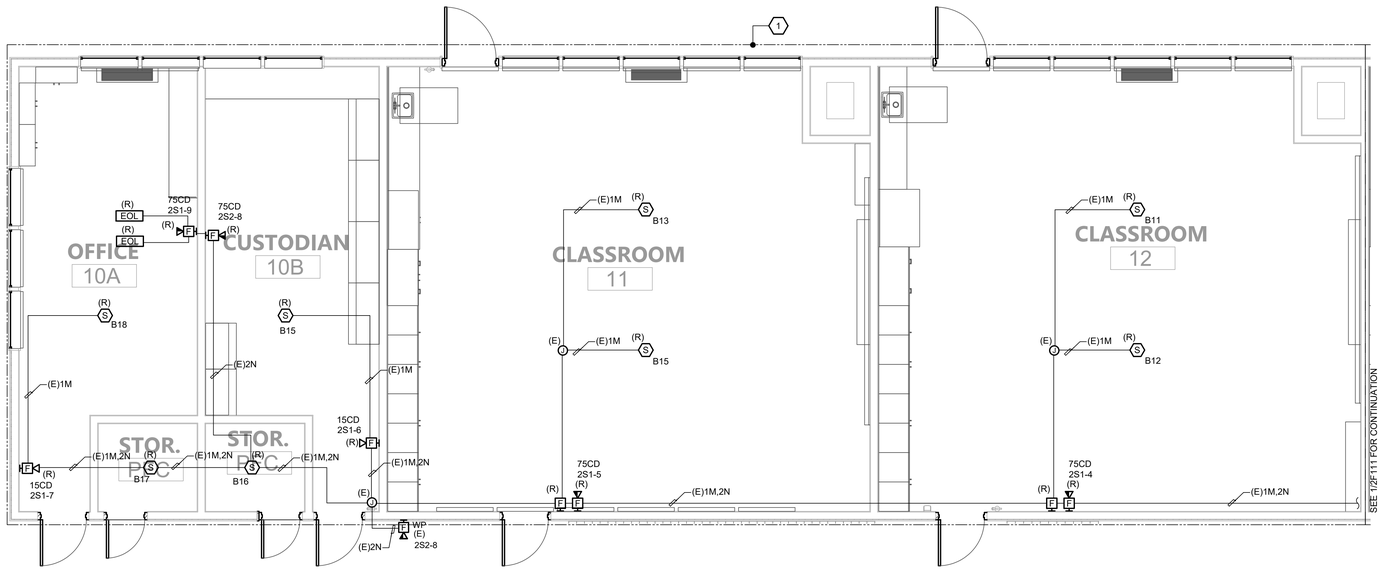
FILE LOCATION: G:\shared drives\01_projects\madi architecture_47\2347.50 - mount diablo usd modernization\05_drawings\01_DWGs\Mt Diablo\Inc 2\2347.50 - MD - 2F100 - Site Plan.dwg
LAST SAVED ON: 9/24/24 at 6:42pm, PLOTTED ON: 10/13/24 at 3:00pm
DATE PLOTTED: 8/29/2023 11:46:30 AM FILE LOCATION: C:\Users\SkimDocuments\23120.01_MTDUSD_MT DIABLO ES MODERNIZATION_A23_skim32Q7M.rvt

INTERIOR FIRE ALARM CABLE		
TYPE	**DESCRIPTION**	**USE(S)**
A	1 PAIR #16AWG FPL	FIRE ALARM INITIATING DEVICE CIRCUIT (NON-ADDRESSABLE) ATLAS #202-16-1-2J
M	1 PAIR #16AWG FPL TWISTED NON-SHIELDED	FIRE ALARM DATA & INITIATING CIRCUIT - SLC LOOP ATLAS #218-16-1-1TP
N	1 PAIR #12AWG, FPL NON-SHIELDED	FIRE ALARM NOTIFICATION CIRCUIT ATLAS #202-12-1-2J



1 BLDG 2 - DEMOLITION FIRE ALARM PLAN

1/4" = 1'-0"



2 BLDG 2 - DEMOLITION FIRE ALARM PLAN

1/4" = 1'-0"

GENERAL DEMOLITION NOTES

A. IN AREAS INDICATED TO BE RENOVATED, REMOVE THAT PORTION OF THE EXISTING ELECTRICAL INSTALLATION INCLUDING, BUT NOT LIMITED TO, ALL RECEPTACLES, MOTOR/EQUIPMENT CONNECTIONS, WIRING, CONDUITS AND APPURTENANCES. ALL UNUSED WIRING AND EXPOSED CONDUIT SHALL BE REMOVED BACK TO POINT OF CONCEALMENT, UNLESS OTHERWISE NOTED.

B. WHERE CONDUIT TO BE REMOVED ENTERS CONCRETE (OR SIMILAR) FLOORS AND WALLS, THE CONDUIT MAY BE ABANDONED IN THE CONCRETE. REMOVE CONDUIT FAR ENOUGH INTO THE CONCRETE TO ALLOW FOR THE INSTALLATION OF NORMAL THICKNESS OF FINISH MATERIAL.

C. WHEN THE WORK NECESSITATES RELOCATION OF EXISTING CONDUIT, WIRING, OR ELECTRICAL EQUIPMENT, THE CONTRACTOR SHALL PERFORM ALL WORK AND MAKE ALL NECESSARY CHANGES TO EXISTING WORK AS MAY BE REQUIRED TO LEAVE THE COMPLETED WORK IN A FINISHED AND WORKMANLIKE CONDITION TO THE ENTIRE SATISFACTION OF THE ENGINEER.

D. WHERE ELECTRICAL SYSTEMS PASS THROUGH THE RENOVATED AREAS TO SERVE OTHER PORTIONS OF THE PREMISES, THEY SHALL BE SUITABLY RELOCATED AND THE SYSTEM RESTORED TO NORMAL OPERATION. WHERE DURATION OF PROPOSED OUTAGES CANNOT BE TOLERATED BY THE OWNER, PROVIDE TEMPORARY CONNECTION AS REQUIRED TO MAINTAIN SERVICE WITH THE MINIMUM DISRUPTION POSSIBLE.

E. WHERE REMOVAL WORK IS PERFORMED, THE CONTRACTOR SHALL REPAIR ALL BUILDING SURFACES DAMAGED BY SUCH WORK. PROVIDE FINISHES TO MATCH EXISTING ADJACENT SURFACES.

F. WHILE PERFORMING CONNECTIONS AND/OR ALTERATIONS TO EXISTING ELECTRICAL WORK, TAKE EXTREME CARE TO PROTECT ALL EXISTING EQUIPMENT FROM DIRT, DEBRIS, AND DAMAGE. ALL DAMAGE TO SUCH EQUIPMENT SHALL BE REPAIRED AND/OR EQUIPMENT REPLACED AT THE CONTRACTOR'S EXPENSE.

G. ALL REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER AND SHALL BE EXECUTED WITH THE LEAST POSSIBLE DISTURBANCE TO THE BUILDING.

H. ALL EXISTING ELECTRICAL MATERIALS NOT REUSED AND NOT SALVAGED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN A PROPER MANNER OFF OF THE PROJECT SITE. CARE SHOULD BE TAKEN TO DISPOSE OF HAZARDOUS MATERIALS PER REQUIRED GUIDELINES.

I. ANY ELECTRICAL WORK, WHICH WILL INTERFERE WITH THE NORMAL USE OF THE BUILDING IN ANY MANNER, SHALL BE DONE AT SUCH TIME OR TIMES AS SHALL BE MUTUALLY AGREED UPON BETWEEN THE CONTRACTOR AND THE OWNER'S REPRESENTATIVE.

J. EXISTING NOTIFICATION DEVICES, WIRING, AND CIRCUITS SHOWN BASED ON DSA # 01-105351, FILE NO. 7-29.

SHEET NOTES

1. DISCONNECT AND REINSTALL EXISTING FIRE ALARM DEVICES AT SAME LOCATION, UNLESS OTHERWISE NOTED. INTERCEPT AND EXTEND BRANCH WIRING AND CONDUIT AS REQUIRED FOR A COMPLETE INSTALL. EXISTING DEVICES SHOWN ON PLAN BASED ON DSA APPLICATION# 01-105351. ANY EXISTING DEVICES THAT ARE NO LONGER IN WORKING CONDITION SHALL BE REPLACED-IN-KIND. FIELD VERIFY EXISTING DEVICES PRIOR TO COMMENCEMENT OF WORK.

AGENCY APPROVAL DSA# 01-121407

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PROFESSIONAL STAMP

REVISIONS

NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE

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MT. DIABLO ES MODERNIZATION
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SHEET TITLE

DEMO FIRE ALARM PLANS

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.

2F111

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

FILE LOCATION: G:\shared drives\01_projects\mad architecture_4\72347.50 - mount diablo usd modernization\05_drawings\01_DWGs\Mt Diablo\Inc 2\2347.50 - MD - 2F110 - Demo Fire Alarm Plan.dwg
LAST SAVED ON: 9/24/24 at 8:42pm, PLOTTED ON: 10/13/24 at 2:59pm
DATE PLOTTED: 8/29/2023 11:46:30 AM FILE LOCATION: C:\Users\SkimlDocuments\23120.01_MTDUSD_MT DIABLO ES MODERNIZATION_A23_skim32O7M.rvt

INTERIOR FIRE ALARM CABLE		
TYPE	**DESCRIPTION**	**USE(S)**
A	1 PAIR #16AWG FPL	FIRE ALARM INITIATING DEVICE CIRCUIT (NON-ADDRESSABLE) ATLAS #202-16-1-2J
M	1 PAIR #16AWG FPL TWISTED NON-SHIELDED	FIRE ALARM DATA & INITIATING CIRCUIT - SLC LOOP ATLAS #218-16-1-1TP
N	1 PAIR #12AWG, FPL NON-SHIELDED	FIRE ALARM NOTIFICATION CIRCUIT ATLAS #202-12-1-2J

GENERAL DEMOLITION NOTES

A. IN AREAS INDICATED TO BE RENOVATED, REMOVE THAT PORTION OF THE EXISTING ELECTRICAL INSTALLATION INCLUDING, BUT NOT LIMITED TO, ALL RECEPTACLES, MOTOR/EQUIPMENT CONNECTIONS, WIRING, CONDUITS AND APPURTENANCES. ALL UNUSED WIRING AND EXPOSED CONDUIT SHALL BE REMOVED BACK TO POINT OF CONCEALMENT, UNLESS OTHERWISE NOTED.

B. WHERE CONDUIT TO BE REMOVED ENTERS CONCRETE (OR SIMILAR) FLOORS AND WALLS, THE CONDUIT MAY BE ABANDONED IN THE CONCRETE. REMOVE CONDUIT FAR ENOUGH INTO THE CONCRETE TO ALLOW FOR THE INSTALLATION OF NORMAL THICKNESS OF FINISH MATERIAL.

C. WHEN THE WORK NECESSITATES RELOCATION OF EXISTING CONDUIT, WIRING, OR ELECTRICAL EQUIPMENT, THE CONTRACTOR SHALL PERFORM ALL WORK AND MAKE ALL NECESSARY CHANGES TO EXISTING WORK AS MAY BE REQUIRED TO LEAVE THE COMPLETED WORK IN A FINISHED AND WORKMANLIKE CONDITION TO THE ENTIRE SATISFACTION OF THE ENGINEER.

D. WHERE ELECTRICAL SYSTEMS PASS THROUGH THE RENOVATED AREAS TO SERVE OTHER PORTIONS OF THE PREMISES, THEY SHALL BE SUITABLY RELOCATED AND THE SYSTEM RESTORED TO NORMAL OPERATION. WHERE DURATION OF PROPOSED OUTAGES CANNOT BE TOLERATED BY THE OWNER, PROVIDE TEMPORARY CONNECTION AS REQUIRED TO MAINTAIN SERVICE WITH THE MINIMUM DISRUPTION POSSIBLE.

E. WHERE REMOVAL WORK IS PERFORMED, THE CONTRACTOR SHALL REPAIR ALL BUILDING SURFACES DAMAGED BY SUCH WORK. PROVIDE FINISHES TO MATCH EXISTING ADJACENT SURFACES.

F. WHILE PERFORMING CONNECTIONS AND/OR ALTERATIONS TO EXISTING ELECTRICAL WORK, TAKE EXTREME CARE TO PROTECT ALL EXISTING EQUIPMENT FROM DIRT, DEBRIS, AND DAMAGE. ALL DAMAGE TO SUCH EQUIPMENT SHALL BE REPAIRED AND/OR EQUIPMENT REPLACED AT THE CONTRACTOR'S EXPENSE.

G. ALL REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER AND SHALL BE EXECUTED WITH THE LEAST POSSIBLE DISTURBANCE TO THE BUILDING.

H. ALL EXISTING ELECTRICAL MATERIALS NOT REUSED AND NOT SALVAGED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN A PROPER MANNER OFF OF THE PROJECT SITE. CARE SHOULD BE TAKEN TO DISPOSE OF HAZARDOUS MATERIALS PER REQUIRED GUIDELINES.

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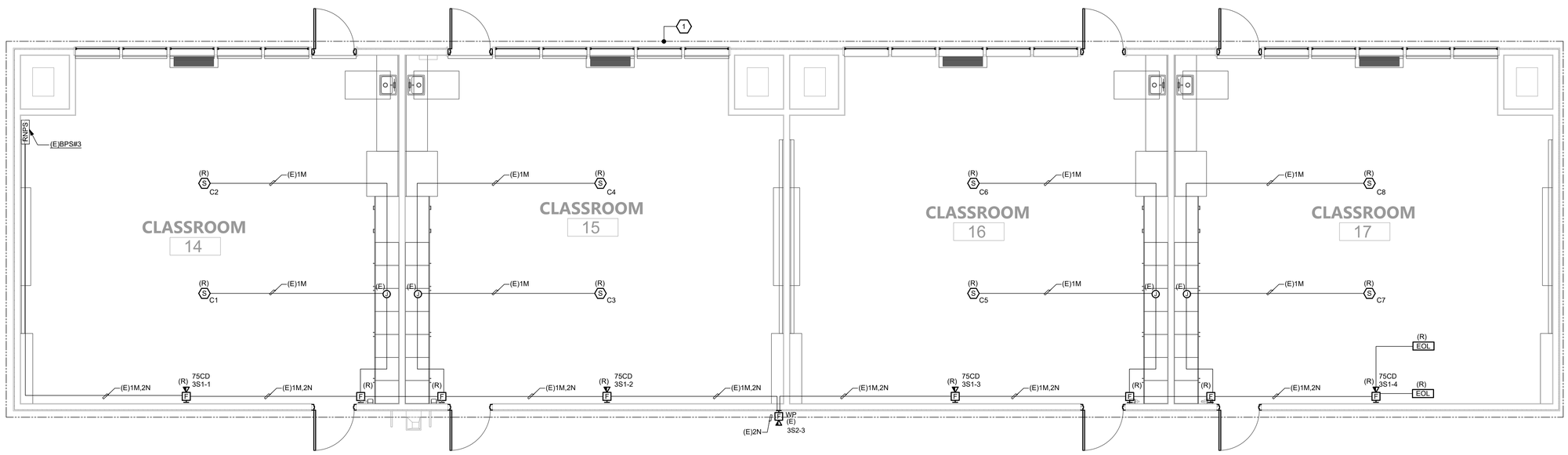
J. EXISTING NOTIFICATION DEVICES, WIRING, AND CIRCUITS SHOWN BASED ON DSA # 01-105351, FILE NO. 7-29.

SHEET NOTES

1. DISCONNECT AND REINSTALL EXISTING FIRE ALARM DEVICES AT SAME LOCATION, UNLESS OTHERWISE NOTED. INTERCEPT AND EXTEND BRANCH WIRING AND CONDUIT AS REQUIRED FOR A COMPLETE INSTALL. EXISTING DEVICES SHOWN ON PLAN BASED ON DSA APPLICATION# 01-105351. ANY EXISTING DEVICES THAT ARE NO LONGER IN WORKING CONDITION SHALL BE REPLACED-IN-KIND. FIELD VERIFY EXISTING DEVICES PRIOR TO COMMENCEMENT OF WORK.



1 **BLDG 3 - DEMOLITION FIRE ALARM PLAN**
1/4" = 1'-0"

AGENCY APPROVAL DSA# 01-121407

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1936 Carlotta Way
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MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
DEMO FIRE ALARM PLANS

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2F112

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

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J. EXISTING NOTIFICATION DEVICES, WIRING, AND CIRCUITS SHOWN BASED ON DSA # 01-105351, FILE NO. 7-29.

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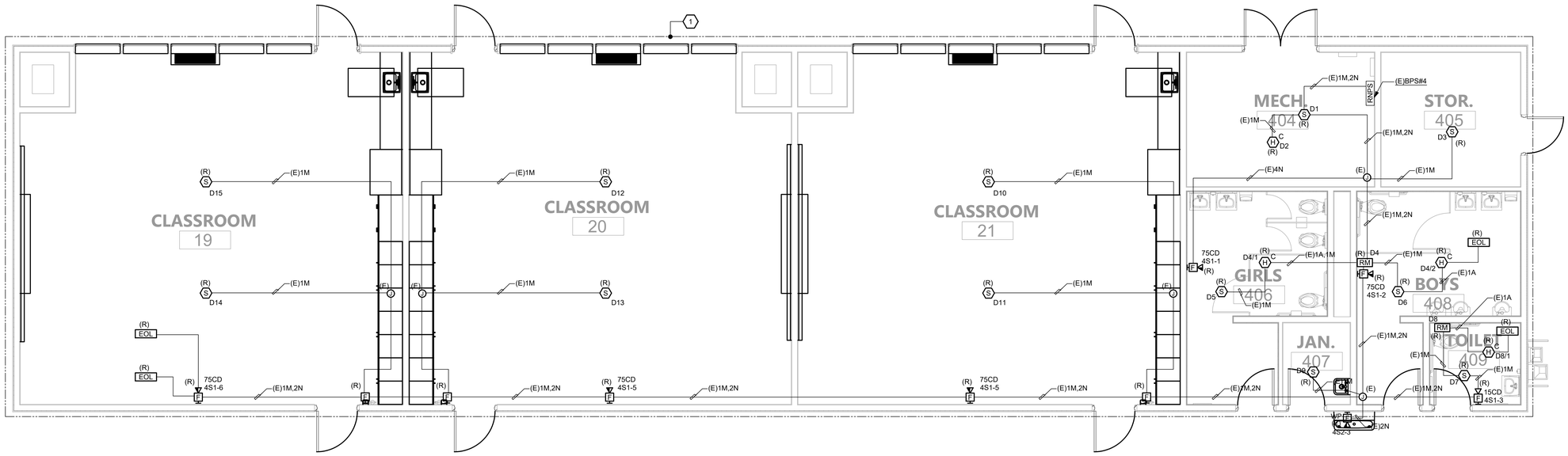

1 BLDG 4 - DEMOLITION FIRE ALARM PLAN

1/4" = 1'-0"

AGENCY APPROVAL DSA# 01-121407

196

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MT. DIABLO ES MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
DEMO FIRE ALARM PLANS

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2F113

DATE: OCTOBER 10, 2024

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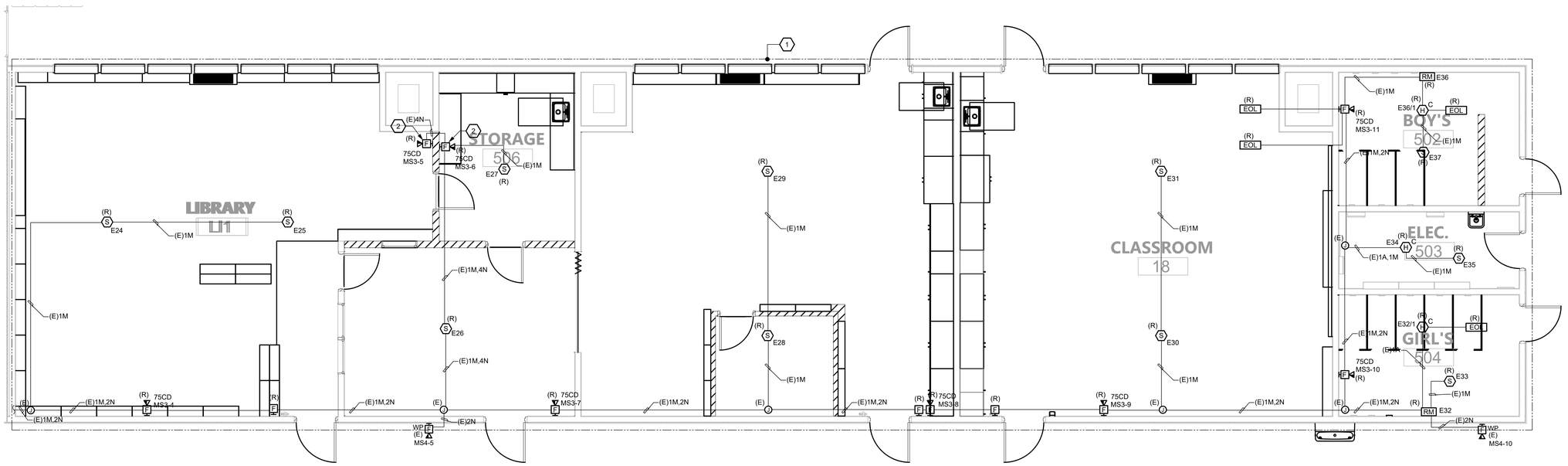
2. SEE NEW FIRE ALARM PLANS FOR NEW LOCATION. INTERCEPT AND EXTEND BRANCH WIRING AND CONDUIT AS REQUIRED FOR A COMPLETE INSTALL. EXISTING DEVICES SHOWN ON PLAN BASED ON DSA APPLICATION# 01-105351. ANY EXISTING DEVICES THAT ARE NO LONGER IN WORKING CONDITION SHALL BE REPLACED-IN-KIND. FIELD VERIFY EXISTING DEVICES PRIOR TO COMMENCEMENT OF WORK.



1 BLDG 5 - DEMOLITION FIRE ALARM PLAN

1/4" = 1'-0"

AGENCY APPROVAL DSA# 01-121407

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SHEET TITLE
DEMO FIRE ALARM PLANS

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
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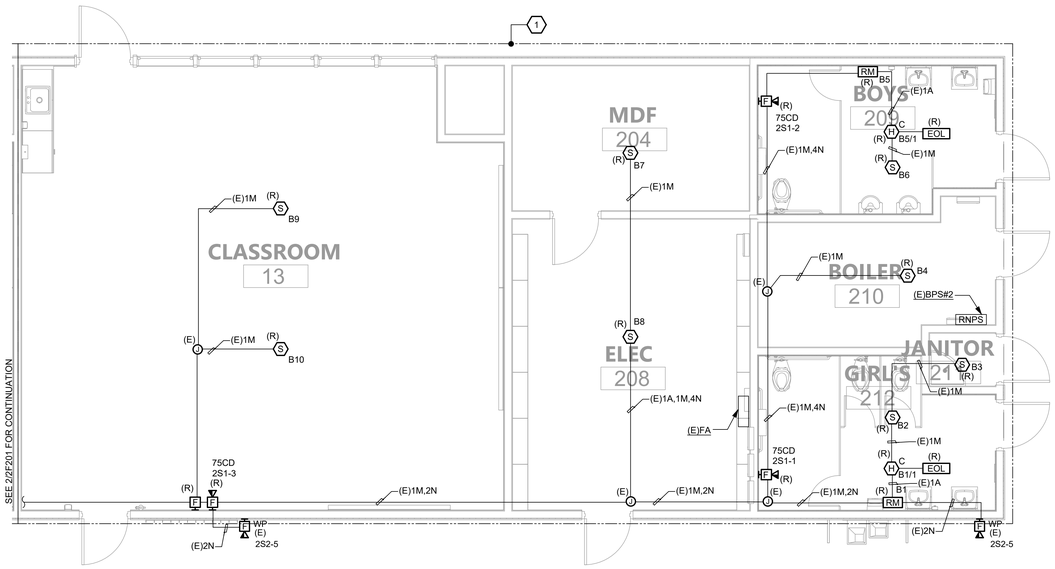

1 BLDG 2 - FIRE ALARM PLAN

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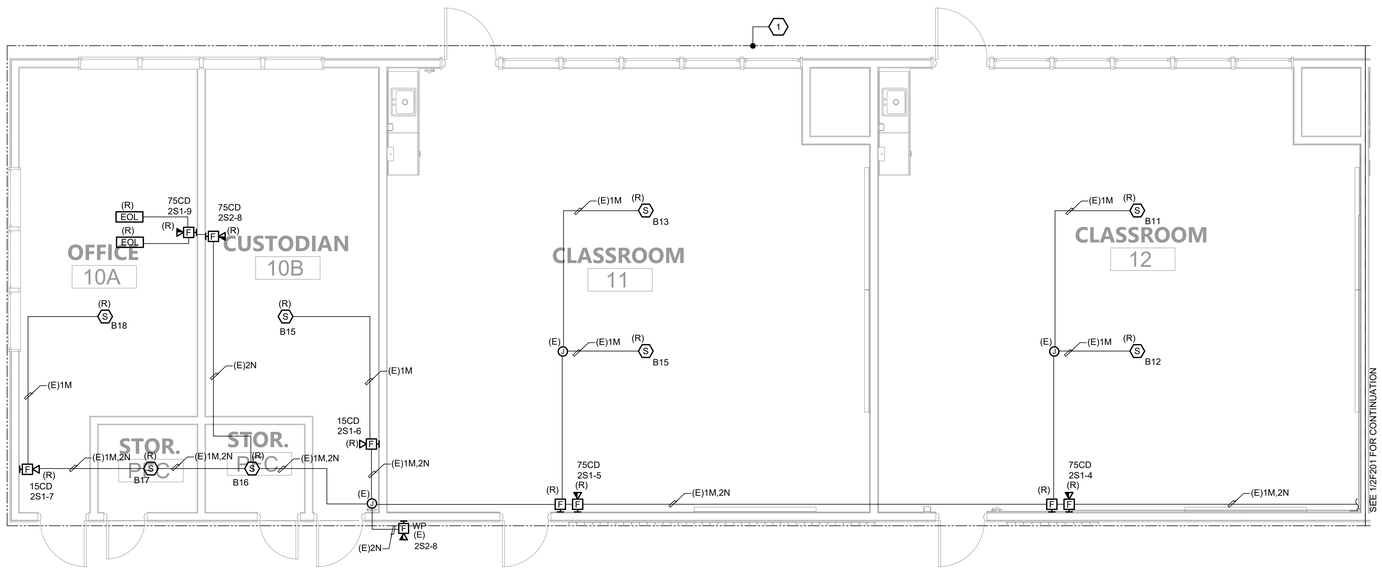

2 BLDG 2 - FIRE ALARM PLAN

1/4" = 1'-0"

GENERAL NOTES

A. CONNECT REMOTE NOTIFICATION POWER SUPPLIES TO FIRE ALARM CONTROL PANEL WITH TWO (2) #14 AWG, UNLESS OTHERWISE NOTED.

B. ALL DETECTION CIRCUITS SHALL USE TWO (2) #16AWG, UNLESS OTHERWISE NOTED.

C. SEE VOLTAGE DROP CALCULATIONS FOR NOTIFICATION CIRCUIT CABLE QUANTITY AND SIZE.

D. IN FINISHED INTERIOR AREAS, RUN ALL CONDUITS CONCEALED, UNLESS OTHERWISE NOTED. PAINT ALL EXPOSED CONDUITS AND ELECTRICAL EQUIPMENT. REFER TO ARCHITECTS PAINTING SECTION FOR REQUIREMENTS.

E. FOR RACEWAY IN NON-ACCESSIBLE LOCATIONS, USE EXPOSED WIREMOLD V700 SERIES SURFACED MOUNTED RACEWAYS.

F. ALL INTERIOR FIRE ALARM CONDUIT SHALL BE 3/4", UNLESS OTHERWISE NOTED.

G. SEE DETAILS FOR MOUNTING REQUIREMENTS OF FIRE ALARM DEVICES.

H. THERE SHALL BE NO ROOF PENETRATIONS WITHIN 5'-0" OF FIRE RATED OR AREA SEPARATION WALLS. VERIFY EXACT LOCATIONS OF THESE WALLS WITH ARCHITECTURAL DRAWINGS.

I. MAINTAIN ALL SPACING AND PENETRATION REQUIREMENTS THROUGH FIRE RATED OR AREA SEPARATION WALLS. VERIFY EXACT LOCATIONS OF THESE WALLS WITH ARCHITECTURAL DRAWINGS.

J. PROVIDE FIRE RATED ACCESS PANELS WHERE REQUIRED TO ALLOW ACCESS TO ABOVE CEILING HEAT DETECTORS FOR MAINTENANCE.

K. HEAT DETECTORS MOUNTED BELOW CEILING SHALL BE 135 DEGREE FIXED TEMP/RATE OF RISE. HEAT DETECTORS MOUNTED ABOVE CEILING SHALL BE 190 DEGREE HIGH FIXED TEMPURATURE, UNLESS OTHERWISE NOTED.

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MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
FIRE ALARM PLANS

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2F201

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

FILE LOCATION: G:\shared drives\01_projects\madi architecture_47\2347.50 - mount diablo usd modernization\05_drawings\01_DWGs\Mt Diablo\Inc 2\2347.50 - MD - 2F200 - Fire Alarm Plan.dwg
LAST SAVED ON: 9/24/24 at 8:42pm. PLOTTED ON: 10/13/24 at 2:59pm
DATE PLOTTED: 8/29/2023 11:46:30 AM FILE LOCATION: C:\Users\Skim\Documents\23120.01_MTDUSD_MT DIABLO ES MODERNIZATION_A23_skim32Q7M.rvt

INTERIOR FIRE ALARM CABLE		
TYPE	**DESCRIPTION**	**USE(S)**
A	1 PAIR #16AWG FPL	FIRE ALARM INITIATING DEVICE CIRCUIT (NON-ADDRESSABLE) ATLAS #202-16-1-2J
M	1 PAIR #16AWG FPL TWISTED NON-SHIELDED	FIRE ALARM DATA & INITIATING CIRCUIT - SLC LOOP ATLAS #218-16-1-1TP
N	1 PAIR #12AWG, FPL NON-SHIELDED	FIRE ALARM NOTIFICATION CIRCUIT ATLAS #202-12-1-2J

GENERAL NOTES

A. CONNECT REMOTE NOTIFICATION POWER SUPPLIES TO FIRE ALARM CONTROL PANEL WITH TWO (2) #14 AWG, UNLESS OTHERWISE NOTED.

B. ALL DETECTION CIRCUITS SHALL USE TWO (2) #16AWG, UNLESS OTHERWISE NOTED.

C. SEE VOLTAGE DROP CALCULATIONS FOR NOTIFICATION CIRCUIT CABLE QUANTITY AND SIZE.

D. IN FINISHED INTERIOR AREAS, RUN ALL CONDUITS CONCEALED, UNLESS OTHERWISE NOTED. PAINT ALL EXPOSED CONDUITS AND ELECTRICAL EQUIPMENT. REFER TO ARCHITECTS PAINTING SECTION FOR REQUIREMENTS.

E. FOR RACEWAY IN NON-ACCESSIBLE LOCATIONS, USE EXPOSED WIREMOLD V700 SERIES SURFACED MOUNTED RACEWAYS.

F. ALL INTERIOR FIRE ALARM CONDUIT SHALL BE 3/4", UNLESS OTHERWISE NOTED.

G. SEE DETAILS FOR MOUNTING REQUIREMENTS OF FIRE ALARM DEVICES.

H. THERE SHALL BE NO ROOF PENETRATIONS WITHIN 5'-0" OF FIRE RATED OR AREA SEPARATION WALLS. VERIFY EXACT LOCATIONS OF THESE WALLS WITH ARCHITECTURAL DRAWINGS.

I. MAINTAIN ALL SPACING AND PENETRATION REQUIREMENTS THROUGH FIRE RATED OR AREA SEPARATION WALLS. VERIFY EXACT LOCATIONS OF THESE WALLS WITH ARCHITECTURAL DRAWINGS.

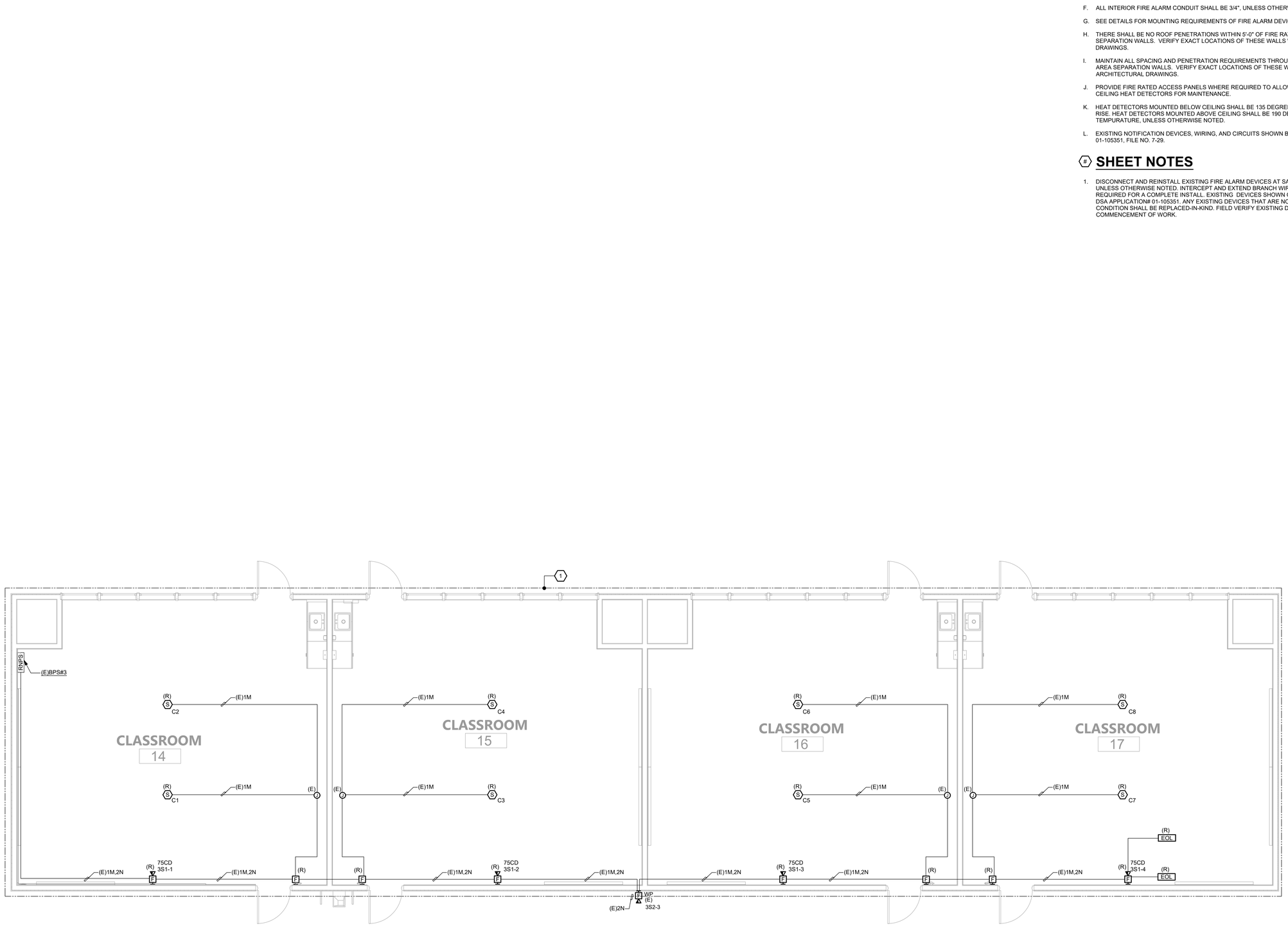
J. PROVIDE FIRE RATED ACCESS PANELS WHERE REQUIRED TO ALLOW ACCESS TO ABOVE CEILING HEAT DETECTORS FOR MAINTENANCE.

K. HEAT DETECTORS MOUNTED BELOW CEILING SHALL BE 135 DEGREE FIXED TEMP/RATE OF RISE. HEAT DETECTORS MOUNTED ABOVE CEILING SHALL BE 190 DEGREE HIGH FIXED TEMPURATURE, UNLESS OTHERWISE NOTED.

L. EXISTING NOTIFICATION DEVICES, WIRING, AND CIRCUITS SHOWN BASED ON DSA # 01-105351, FILE NO. 7-29.

(#) SHEET NOTES

1. DISCONNECT AND REINSTALL EXISTING FIRE ALARM DEVICES AT SAME LOCATION, UNLESS OTHERWISE NOTED. INTERCEPT AND EXTEND BRANCH WIRING AND CONDUIT AS REQUIRED FOR A COMPLETE INSTALL. EXISTING DEVICES SHOWN ON PLAN BASED ON DSA APPLICATION# 01-105351. ANY EXISTING DEVICES THAT ARE NO LONGER IN WORKING CONDITION SHALL BE REPLACED-IN-KIND. FIELD VERIFY EXISTING DEVICES PRIOR TO COMMENCEMENT OF WORK.



1 BLDG 3 - FIRE ALARM PLAN

1/4" = 1'-0"

AGENCY APPROVAL DSA# 01-121407

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PROFESSIONAL STAMP

REVISIONS

NO.	DATE	DESCRIPTION

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SHEET TITLE
FIRE ALARM PLANS

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2F202

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

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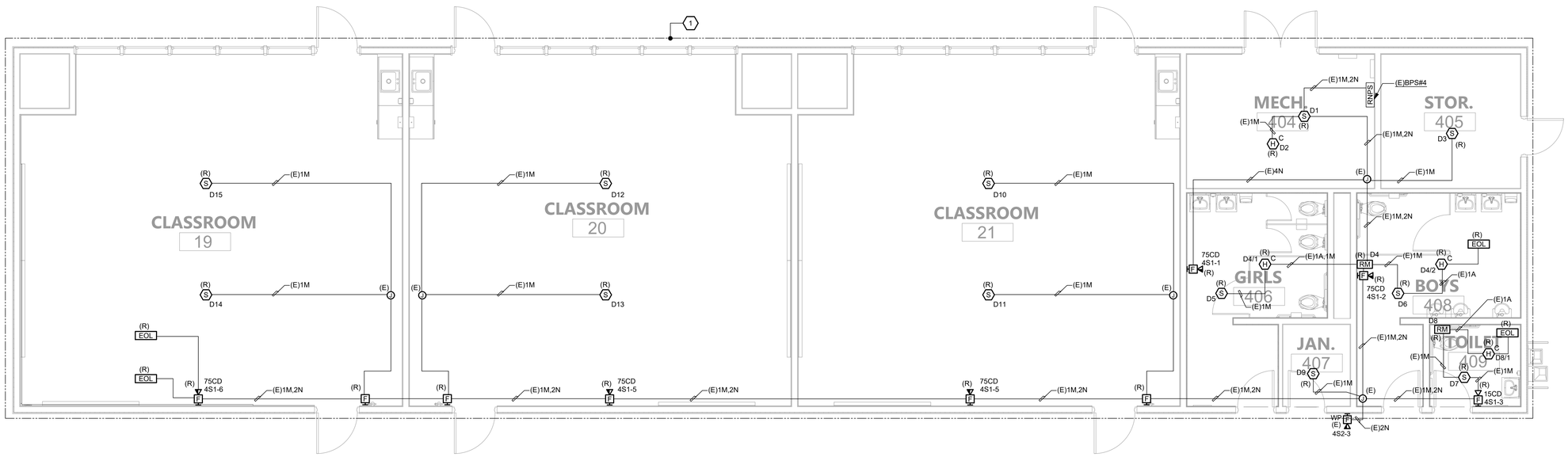

1 **BLDG 4 - FIRE ALARM PLAN**
1/4" = 1'-0"

AGENCY APPROVAL DSA# 01-121407

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SHEET TITLE
FIRE ALARM PLANS

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2F203

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

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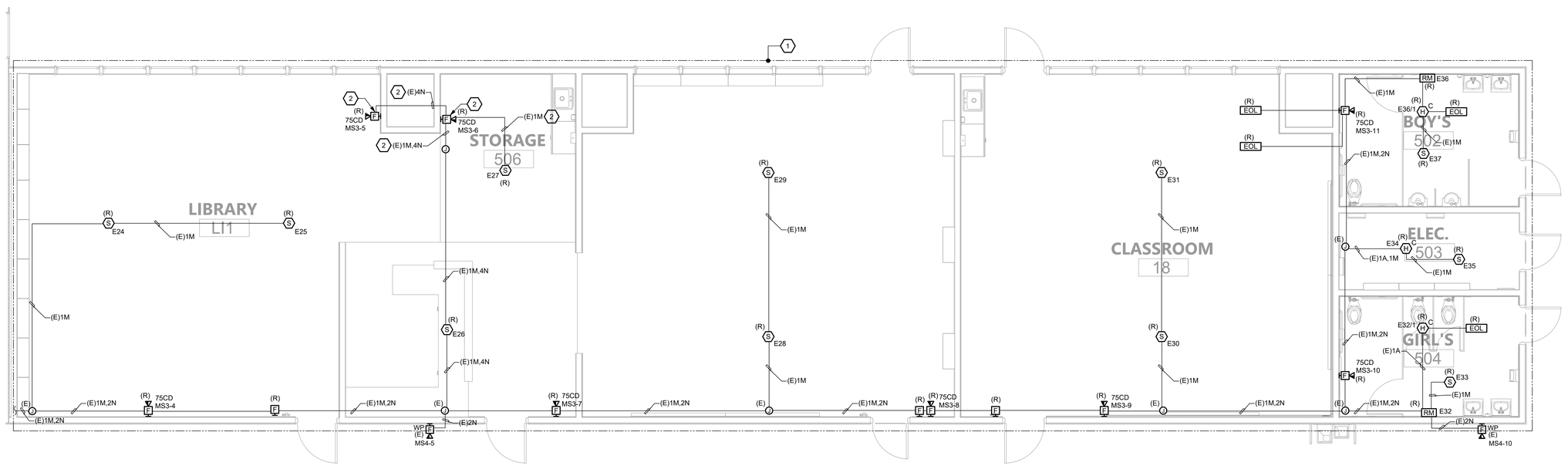
2. SEE DEMO FIRE ALARM PLANS FOR OLD LOCATION. INTERCEPT AND EXTEND BRANCH WIRING AND CONDUIT AS REQUIRED FOR A COMPLETE INSTALL. EXISTING DEVICES SHOWN ON PLAN BASED ON DSA APPLICATION# 01-105351. ANY EXISTING DEVICES THAT ARE NO LONGER IN WORKING CONDITION SHALL BE REPLACED-IN-KIND. FIELD VERIFY EXISTING DEVICES PRIOR TO COMMENCEMENT OF WORK.



1 **BLDG 5 - FIRE ALARM PLAN**
1/4" = 1'-0"

AGENCY APPROVAL DSA# 01-121407

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SHEET TITLE
FIRE ALARM PLANS

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2F204

DATE: OCTOBER 10, 2024

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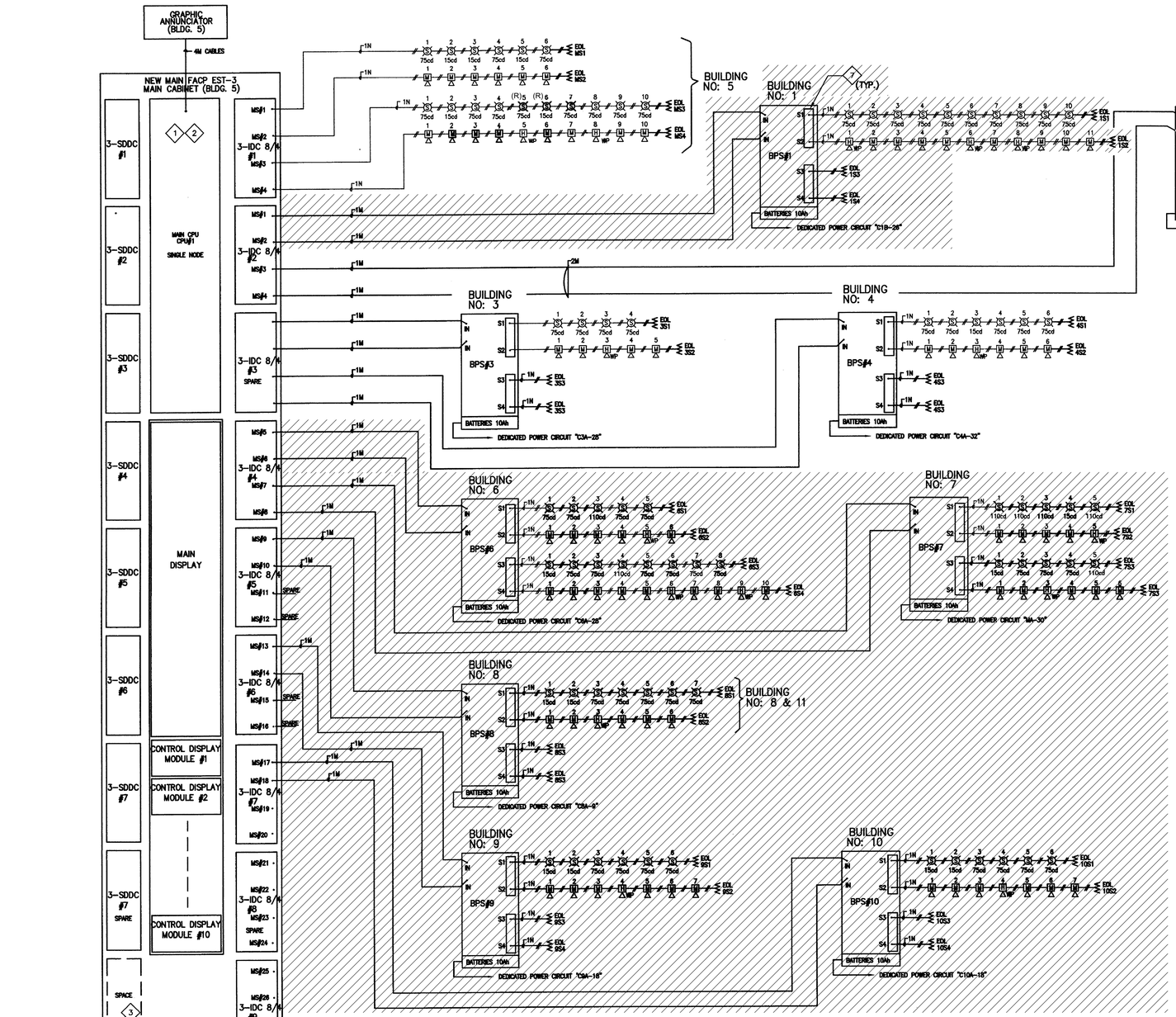

1 FIRE ALARM SCHEMATIC DIAGRAM

INTERIOR FIRE ALARM CABLE

TYPE	DESCRIPTION	USE(S)
A	1 PAIR #16AWG FPL	FIRE ALARM INITIATING DEVICE CIRCUIT (NON-ADDRESSABLE) ATLAS #202-16-1-2J
M	1 PAIR #16AWG FPL TWISTED NON-SHIELDED	FIRE ALARM DATA & INITIATING CIRCUIT - SLC LOOP ATLAS 218-16-1-1TP
N	1 PAIR #12 AWG, FPL NON-SHIELDED	FIRE ALARM NOTIFICATION CIRCUIT ATLAS #202-12-1-2J

NOT IN PROJECT SCOPE =

GENERAL NOTES

A. DSA APPLICATION# 01-105351, FILE NO. 7-29.

B. EXISTING EQUIPMENT AND DEVICES SHOWN UNLESS OTHERWISE NOTED.

SHEET NOTES:

1. EXISTING FIRE ALARM CONTROL PANEL "EST-3"
2. EXISTING EQUIPMENT, MATERIALS AND CONNECTIONS NECESSARY (WHETHER SHOWN ON RISER DIAGRAM OR NOT) TO SYNCHRONIZE ALL EXISTING AND NEW FIRE ALARM NOTIFICATION DEVICES THROUGHOUT THE CAMPUS. ALL CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
3. EXISTING MODEM COMMUNICATOR DIALER (DACT) EST #3-MODCOM FOR CONNECTION TO THE CENTRAL MONITORING STATIONS.
4. EXISTING TWO TELEPHONE OUTLETS RJ-31 AT FIRE CONTROL PANEL LOCATION.
5. EXISTING (2) DEDICATED TELEPHONE LINES FROM THE MAIN TELEPHONE BOARD (2 PAIR #22 EACH) FOR CONNECTION TO THE CENTRAL MONITORING STATION.
6. EXISTING (2) DEDICATED TELEPHONE LINES FROM THE MAIN TELEPHONE BOARD (2 PAIR #22 EACH) FOR CONNECTION TO THE CENTRAL MONITORING STATION.
7. EXISTING SIGNAL MASTER SYNCHRONIZATION MODULE EST #G1M-RM. INSTALL MODULE INSIDE OF BOOSTER ENCLOSURE.

FIRE ALARM SYMBOLS:

H x-y WP	EXTERIOR HORN WITH WEATHERPROOF BACK BOX, WALL MOUNTED AT 90" AFG, TO TOP OF DEVICE (EST #757-1A-T) x = NOTIFICATION ALARM CIRCUIT NUMBER y = DEVICE NUMBER WP = WEATHERPROOF

V x-y 75	VISUAL STROBE WALL MOUNTED, +80" AFF, TO BOTTOM OF DEVICE (EST #G1R-V)
	x = NOTIFICATION ALARM CIRCUIT NUMBER
	y = DEVICE NUMBER
	75 = 75 CANDELA

HV x-y 75	TEMPORAL HORN/STROBE, +80" AFF (EST #G1R-HV)
	75 = 75 CANDELA
	x = NOTIFICATION ALARM CIRCUIT NUMBER
	y = DEVICE NUMBER

HV x-y 110	HIGH OUTPUT TEMPORAL HORN/STROBE +80"AFF (EST #G1R-HOV)
	x = NOTIFICATION ALARM CIRCUIT NUMBER
	y = DEVICE NUMBER
	110= 110 CANDELA

M	EXISTING MANUAL FIRE ALARM PULL STATION TO BE REMOVED.
F A1	ADDRESSABLE MANUAL PULL STATION, FLUSH, +48" AFF (UON) TO CENTERLINE (EST #278) A1 = ADDRESSABLE LOOP #A, DEVICE #1

A1 S	ADDRESSABLE COMBINATION IONIZATION/PHOTELECTRIC SMOKE DETECTOR (EST #SGA-IPHS)
	A1 = ADDRESSABLE LOOP #A, DEVICE #1

D1 PS	ADDRESSABLE SMOKE DUCT DETECTOR (EST #GIGA-DH, #SIGA-PS)
	D1 = ADDRESSABLE LOOP #D, DEVICES #1

A1 H	135°F FIXED/RATE OF RISE TEMPERATURE ADDRESSABLE HEAT DETECTOR SURFACE CEILING MOUNTED (EST #SIGA-HRS)
	A1 = ADDRESSABLE LOOP #A, DEVICE #1

A1/1 HA	200° F FIXED TEMPERATURE AND RATE-OF-RISE NON ADDRESSABLE HEAT DETECTOR INSTALLED ABOVE T-BAR CEILING OR IN ATTIC SPACE AND CONNECTED VIA ADDRESSABLE MONITOR MODULE (EST #282B-PL), PROVIDE BLUE DOT ON CEILING WHERE DETECTOR IS INSTALLED ABOVE.
	A1/1 = ADDRESSABLE LOOP #A, ADDRESSABLE MONITOR MODULE #1, NON-ADDRESSABLE DEVICE #1
	HA = ATTIC SPACE

A1/1 200 WP H	200°F FIXED TEMPERATURE NON-ADDRESSABLE HEAT DETECTOR SURFACE CEILING MOUNTED (U.O.N), CONNECTED VIA ADDRESSABLE MONITOR MODULE (EST #284B-PL)
	A1/1=ADDRESSABLE LOOP #A, ADDRESSABLE MONITOR MODULE #1, NON ADDRESSABLE DEVICE #1
	WP = WEATHERPROOF

A1 HF	135°F FIXED TEMPERATURE ADDRESSABLE HEAT DETECTOR CEILING MOUNTED. (EST #SIGA-HFS)
	A1 = ADDRESSABLE LOOP #A, DEVICE #1
	A1 = ADDRESSABLE INITIATING DEVICE #1

EOL	END OF LINE RESISTOR

AGENCY APPROVAL DSA# 01-121407

196

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SHEET TITLE
DIAGRAMS

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.
2F301

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

FILE LOCATION: C:\Users\16503\OneDrive\Desktop\PROJECT BINDER\DeAsimt diablo\CAD 10042405_Drawings\01_DWGs\Mt Diablo\Inc 2\2347.50 - MD - 2F000 - General Information.dwg
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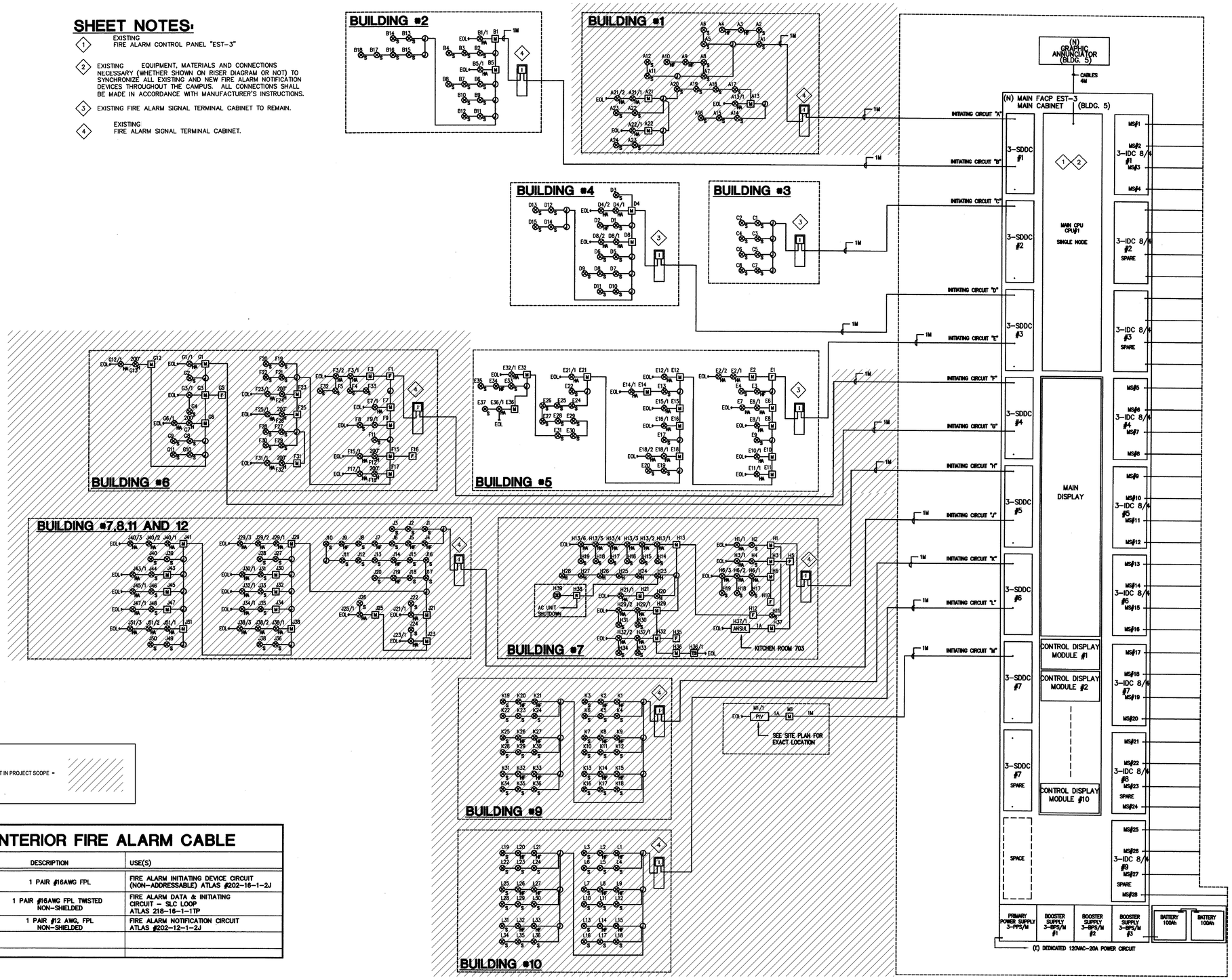
A. DSA APPLICATION# 01-105351, FILE NO. 7-29.

B. EXISTING EQUIPMENT AND DEVICES SHOWN UNLESS OTHERWISE NOTED.

SHEET NOTES:

1. EXISTING FIRE ALARM CONTROL PANEL "EST-3"
2. EXISTING EQUIPMENT, MATERIALS AND CONNECTIONS NECESSARY (WHETHER SHOWN ON RISER DIAGRAM OR NOT) TO SYNCHRONIZE ALL EXISTING AND NEW FIRE ALARM NOTIFICATION DEVICES THROUGHOUT THE CAMPUS. ALL CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
3. EXISTING FIRE ALARM SIGNAL TERMINAL CABINET TO REMAIN.
4. EXISTING FIRE ALARM SIGNAL TERMINAL CABINET.



NOT IN PROJECT SCOPE =

INTERIOR FIRE ALARM CABLE

TYPE	DESCRIPTION	USE(S)
A	1 PAIR #16AWG FPL	FIRE ALARM INITIATING DEVICE CIRCUIT (NON-ADDRESSABLE) ATLAS #202-16-1-2J
M	1 PAIR #16AWG FPL TWISTED NON-SHIELDED	FIRE ALARM DATA & INITIATING CIRCUIT - SLC LOOP ATLAS 218-16-1-1TP
N	1 PAIR #12 AWG, FPL NON-SHIELDED	FIRE ALARM NOTIFICATION CIRCUIT ATLAS #202-12-1-2J

AGENCY APPROVAL DSA# 01-121407

196

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PROFESSIONAL STAMP

REVISIONS

NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ES MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

DIAGRAMS

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

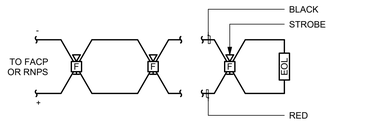
SHEET NO.

2F302

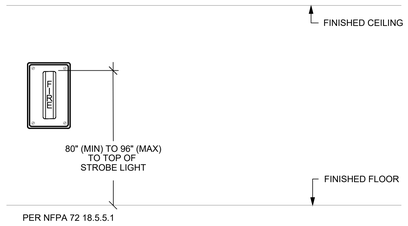
DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

FILE LOCATION: C:\Users\16503\OneDrive\Desktop\PROJECT BINDER\IDeA\Intl diablo\CAD 100424\05_Drawings\01_DWGs\Mt Diablo\Inc 202347.50 - MD - 2F000 - General Information.dwg
LAST SAVED ON: 10/03/24 at 10:17pm, PLOTTED ON: 10/04/24 at 12:41pm
DATE PLOTTED: 8/29/2023 11:46:30 AM FILE LOCATION: C:\Users\StkimlDocuments\23120.01_MTDUSD_MT DIABLO ES MODERNIZATION_A23_skim32OTM.rvt

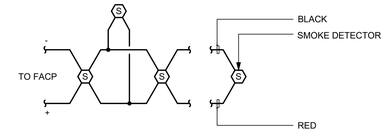


TYPICAL STROBE WIRING DIAGRAM

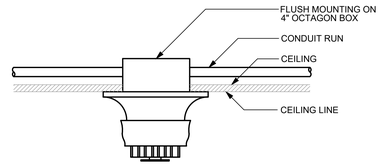


4 STROBE INSTALLATION

NOT TO SCALE

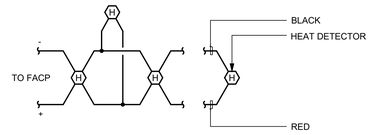


TYPICAL SMOKE DETECTOR WIRING DIAGRAM

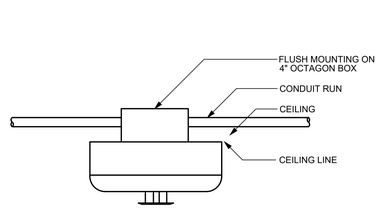


1 ADDRESSABLE SMOKE DETECTOR INSTALLATION

NOT TO SCALE



TYPICAL HEAT DETECTOR WIRING DIAGRAM



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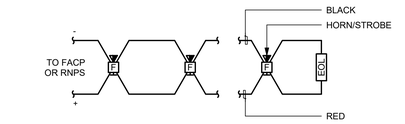
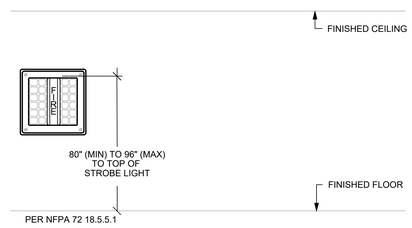
NOT TO SCALE



TYPICAL HORN/STROBE WIRING DIAGRAM



3 2 WIRE HORN/STROBE INSTALLATION

NOT TO SCALE

AGENCY APPROVAL DSA# 01-121407

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SHEET TITLE

DETAILS

INCREMENT: INC. 2

DRAWN BY: TL JOB NUMBER: 23120.02

SHEET NO.

2F401

DATE: OCTOBER 10, 2024

CONSTRUCTION DOCUMENTS

FILE LOCATION: G:\shared drives\01_projects\madi architecture_4702347.50 - mount diablo usd modernization\05_drawings\01_DWGs\Mt Diablo\Inc 2\2347.50 - MD - 2F400 - Details.dwg
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DATE PLOTTED: 8/29/2023 11:46:30 AM FILE LOCATION: C:\Users\SkimDocuments\23120.01_MTDUSD_MT DIABLO ES MODERNIZATION_A23_skim32Q7M.rvt

ABBREVIATIONS:

REVISED: 09/20/2023

A	AMPERE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ANN	ANNUNCIATOR
AP	ACCESS POINT
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
BICSI	BUILDING INDUSTRY CONSTRUCTION SERVICE INTERNATIONAL
BLDG	BUILDING
C	CONDUIT
CAB	CABINET
CAT	CATEGORY
CATV	CABLE TELEVISION
CD	CANDELA
CFCI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED
CL	CENTER LINE
CO	CARBON MONOXIDE
DN	DOWN
(E)	EXISTING
EMT	ELECTRICAL METALLIC TUBING
EOL	END OF LINE
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FTC	FIRE TERMINAL CABINET
GRC	GALVANIZED RIGID CONDUIT
G OR GB	GROUND BOX
IACP	INTRUSION ALARM CONTROL PANEL
IDF	INTERMEDIATE DISTRIBUTION FRAME
IMC	INTERMEDIATE METAL CONDUIT
J OR JB	JUNCTION BOX
MEP	MECHANICAL / ELECTRICAL / PLUMBING
MDF	MAIN DISTRIBUTION FRAME
MPOE	MINIMUM PONT OF ENTRY
(N)	NEW
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NTS	NOT TO SCALE
N/A	NOT APPLICABLE
OFE	OWNER FURNISHED EQUIPMENT
OFCI	OWNER FURNISHED/CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED/OWNER INSTALLED
OSP	OUTSIDE PLANT
PVC	POLYVINYL CHLORIDE
RCDD	REGISTERED COMMUNICATION DISTRIBUTION DESIGNER
RCWY	RACEWAY
RM	ROOM
SR	SURFACE RACEWAY
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRIGHTERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
W	WATT
WP	WEATHERPROOF

TECHNOLOGY SYMBOL LEGEND:

ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)

SYMBOL	DESCRIPTION	MFG/MODEL	PART NUMBER	NOTES / DETAIL REFERENCES
R	DATA RACK	PANDUIT	SEE 27 10 00	SEE SINGLE LINE (2 2T-603) (12 2T-603)
G	GROUND BOX	EXISTING	EXISTING	N/A
J	JUNCTION BOX	COMMERCIAL GENERIC	N/A	GREY = EXISTING
	UNDERGROUND CONDUIT	EXISTING	EXISTING	N/A
	CONDUIT (EMT & GRC)	COMMERCIAL GENERIC	N/A	GREY = EXISTING (9 2T-603) (10 2T-603) (11 2T-603)
E	CONDUIT STUB	COMMERCIAL GENERIC	N/A	GREY = EXISTING
2300	SURFACE RACEWAY	WIREMOLD	WM2300	N/A (1 2T-601)
	J-HOOK (SINGLE/STACKED)	PANDUIT	SEE 27 05 00	N/A (3 2T-603)
5400	SURFACE RACEWAY	WIREMOLD	WM5400	COORDINATE W/ ELEC. (1 2T-601)
#	DATA PERMANENT LINK, CAT6A JACK / CABLE # = QTY., NO # = 1	PANDUIT	SEE 27 10 00	N/A (7 2T-601)
M	MODULAR PLUG DATA PERMANENT LINK, CAT6A JACK / CABLE / MOD PLUG	PANDUIT	SEE 27 10 00	N/A
B	FUTURE DATA LOCATION. PATHWAY ONLY WITH BLANK COVER	N/A	N/A	N/A
AP	DATA LOCATION, CAT6A JACK/CABLE, CEILING, QTY-2	PANDUIT	SEE 27 10 00	N/A (5 2T-601) (6 2T-601) (11 2T-601)
AP	INTERIOR WIRELESS ACCESS POINT	ARUBA	OFCI	OFCI
	MOUNT	ARUBA	S0J40A	N/A
WP AP	CAT6A DATA DROP LOCATION (QTY = 2) - EXTERIOR WIRELESS ACCESS POINT	PANDUIT	SEE 27 10 00	N/A (12 2T-601)
WP AP	EXTERIOR WIRELESS ACCESS POINT	ARUBA	OFCI	OFCI
	MOUNT	ARUBA	R9H97A	N/A
W	DATA LOCATION, CAT6A JACK / CABLE	PANDUIT	SEE 27 10 00	+48 AFF. PHONE PLATE (7 2T-601)
W	PHONE HANDSET EQUIPMENT (WALL MOUNT)	POLY	OFCI	OFCI
CAM-# TYPE	CAT6A DATA DROP LOCATION (QTY = 1) - NETWORK CAMERA	PANDUIT	SEE 27 10 00	N/A (5 2T-601) (2 2T-601) (4 2T-601) (9 2T-601)
CAM-# TYPE	NETWORK CAMERA	AXIS	OFCI	OFCI
	MOUNT	AXIS	SEE 28 20 00	N/A
STC	SIGNAL TERMINAL CABINET	EXISTING	EXISTING	N/A
TGB	GROUND BUS BAR	PANDUIT	SEE 27 10 00	N/A (6 2T-603) (8 2T-603)
OSX	CAT6A DATA DROP LOCATION (QTY = 1) - IP CLOCK/SPEAKER/IP MODULE COMBO BOX	ATLAS	SEE SHEET 2T-701	N/A (10 2T-601)
WP	CAT6A DATA DROP LOCATION - EXTERIOR INTERCOM SPEAKER/IP MODULE	ATLAS	SEE SHEET 2T-701	N/A (4 2T-603)
TEL	PHONE HANDSET EQUIPMENT	POLY	OFCI	OFCI

TECHNOLOGY SCOPE OF WORK:

1. THE CONTRACTOR SHALL FULLY RE-CABLE THE DATA NETWORK, INCLUDING COPPER AND FIBER, UTILIZING A COMBINATION OF NEW AND EXISTING PATHWAY.
2. ALL EQUIPMENT SHALL BE NEW AND CONTRACTOR FURNISHED, UNO.
3. THE CONTRACTOR SHALL REMOVE OLD OR ABANDONED DATA NETWORK AND AUDIO/VISUAL COMPONENTS, INCLUDING DEVICES, MOUNTS, ENCLOSURES, WIRE AND PATHWAY.
4. THE CONTRACTOR SHALL COORDINATE CUTOVERS AND ACTIVATION/COMMISSIONING OF NEW SYSTEMS WITH DISTRICT REPRESENTATIVE AND DISTRICT STAFF.

ANCHORAGE AND BRACING NOTES:

APPLICABLE CODE: 2022 CBC REVISED: 04/03/2024

MEP COMPONENT ANCHORAGE NOTE:

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 THRU 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVEABLE 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, 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 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 HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENTS.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTION 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 THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:

PIPING, DUCTWORK AND ELECTRICAL SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTIONS 13.3 AS DEFINED IN ASCE 7-16 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 DISTRIBUTIONS SYSTEM ARE A NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPES (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☐ MD ☐ PP ☐ E☒ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
MP ☐ MD ☐ PP ☐ E ☐ OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM #)

PRE-CON MEETING REQUIREMENTS:

1. PRIOR TO BEGINNING ANY SITE WORK, INCLUDING DEMO, AN ON-SITE PRE-CONSTRUCTION MEETING SHALL BE HELD WITH THE LOW VOLTAGE DESIGNER, ANY SITE WORK COMMENCED PRIOR TO THIS MEETING SHALL BE AT THE CONTRACTOR'S SOLE RISK.

JOB SPECIFIC STANDARDS FOR LOW VOLTAGE:

SEE SPECIFICATIONS DIVISION 27 AND 28 FOR COMPLETE REQUIREMENTS.

1. CONDUIT BODIES, CONDULETS, PULLING ELBOWS, AND/OR "LB" FITTINGS ARE PROHIBITED IN ANY PATHWAY CONTAINING DATA CABLING (COPPER OR FIBER).
2. SINGLE HOLE CONDUIT STRAPS ARE PROHIBITED.
3. ALL WIRE AND CABLE PASSING THROUGH METALWORK SHALL BE SLEEVED WITH AN APPROPRIATE GROMMET OR BUSHING.

PROJECT CODES AND STANDARDS

PARTIAL LIST OF APPLICABLE CODES AND STANDARDS EFFECTIVE JANUARY 1, 2022:
2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), CCR, TITLE 24, PART 1
2022 CALIFORNIA BUILDING CODE (CBC), CCR, TITLE 24, PART 2 (2018 INTERNATIONAL BUILDING CODE WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ELECTRICAL CODE (CEC), CCR, TITLE 24, PART 3 (2017 NATIONAL ELECTRICAL CODE WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA MECHANICAL CODE (CMC), CCR, TITLE 24, PART 4 (2018 UNIFORM MECHANICAL CODE, WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA PLUMBING CODE (CPC), CCR, TITLE 24, PART 5 (2018 UNIFORM PLUMBING CODE, WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ENERGY CODE, CCR, TITLE 24, PART 6
2022 CALIFORNIA FIRE CODE (CFC), CCR, TITLE 24, PART 9 (2018 INTERNATIONAL FIRE CODE WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CCR, TITLE 24, PART 11
2022 CALIFORNIA REFERENCED STANDARDS CODE, CCR, TITLE 24, PART 12
2022 NFPA 72: NATIONAL FIRE ALARM AND SIGNALING CODE, NATIONAL FIRE PROTECTION ASSOCIATION
2019 NFPA 720: STANDARD FOR THE INSTALLATION OF CARBON MONOXIDE (CO) DETECTION AND WARNING EQUIPMENT.

PROJECT NOTES:

PRODUCT ORDERING
1. ANY PRODUCTS WITH LONG LEAD TIMES SHALL BE BROUGHT TO THE PROJECT MANAGER'S ATTENTION.
2. PRODUCT ORDERING SHALL ONLY OCCUR AFTER APPROVED PRODUCT SUBMITTALS, APPROVED SUBSTITUTION REQUEST (IF ANY) AND APPROVED SHOP DRAWINGS.

INSTALLATION
1. ANY DISCREPANCIES BETWEEN THE DESIGN DOCUMENTS AND GOVERNING CODE / STANDARDS SHALL BE BROUGHT TO THE PROJECT MANAGER'S ATTENTION.
2. A STAMPED SET OF APPROVED DESIGN DOCUMENTS AND SHOP DRAWINGS SHALL BE ONSITE AT ALL TIMES.
3. CONTRACTOR SHALL CONSTANTLY MAINTAIN ONSITE REDLINE DRAWINGS AND BE AVAILABLE FOR INSPECTION BY THE INSPECTOR OF RECORD.
4. ANY PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRE MATERIALS / EQUIPMENT APPROVED TO MAINTAIN THE RATING OF THE ASSEMBLY.
5. ALL WIRING SHALL BE CONNECTED TO DEVICES, NO SPLICING IS ALLOWED.
6. ALL LOW-VOLTAGE CABLING SHALL BE IN CONDUIT, RACEWAY OR OPEN AIR ON J-HOOKS / CABLE TRAY FOR ABOVE CEILINGS.
7. POWER FOR LOW-VOLTAGE SYSTEMS TO BE DEDICATED TO EACH SYSTEM AND WORK TO BE PERFORMED BY A LICENSED ELECTRICIAN.
8. LOW VOLTAGE EQUIPMENT, CABINETS AND ACCESSORIES TO BE MOUNTED PER MANUFACTURER'S INSTRUCTIONS. NO SINGLE DEVICE SHALL EXCEED 20 POUNDS IN WEIGHT WITHOUT SPECIAL MOUNTING DETAILS.
9. CONTRACTOR SHALL REQUEST A PUNCH WALK INSPECTION 10 WORKING DAYS PRIOR TO FINAL INSPECTION.
10. PRIOR TO FINAL INSPECTION CONTRACTOR SHALL PROVIDE PRINTED REDLINES FOR USE BY THE INSPECTORS.
11. AT THE FINAL INSPECTION THE CONTRACTOR SHALL PROVIDE A SATISFACTORY TEST OF THE ENTIRE SYSTEM(S) IN PRESENCE OF THE DESIGNER/ENGINEER, INSPECTOR OF RECORD, THE OWNER OR THE OWNER'S REPRESENTATIVE.
12. THE CONTRACTOR SHALL PROVIDE OWNER WITH SYSTEM OPERATION TRAINING.

CONTRACTOR FURNISHED DOCUMENTS:

SEE SECTION 27 00 00 FOR MORE INFORMATION / REQUIREMENTS

PRODUCT SUBMITTALS
1. SUBMIT PRODUCT MATERIALS SUBMITTALS PER 27 00 00 REQUIREMENTS
2. ANY PROPOSED ALTERNATIVE PRODUCTS REQUIRE A WRITTEN PRODUCT SUBSTITUTION REQUEST.

SHOP DRAWINGS
1. SUBMIT SHOP DRAWINGS PER 27 00 00 REQUIREMENTS
2. SHOP DRAWINGS ARE REQUIRED FOR MDF/IDF DATA RACK LAYOUTS, MDF/IDF WALL ELEVATIONS, AUDIO-VISUAL SYSTEMS AND INTERCOM SYSTEMS.
3. DESIGN DOCUMENTS ARE AS ACCURATE AS POSSIBLE, BUT SHALL BE CONSIDERED AS DIAGRAMMATIC.
4. SHOP DRAWINGS SHALL PRESENT A LEVEL OF DETAIL FOR A COMPLETE, BUILDABLE AND OPERABLE SYSTEM.
5. SHOP DRAWINGS ALLOW THE CONTRACTOR TO MAKE CORRECTIONS FOR ERRORS/OMISSIONS IN DESIGN DOCUMENTS.
6. IN CASE OF DOUBT OF WORK INTENDED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REQUEST INSTRUCTIONS FROM THE PROJECT MANAGER.
7. APPROVED SHOP DRAWINGS ARE REQUIRED PRIOR TO START OF WORK. ANY WORK STARTED PRIOR TO SHOP DRAWING APPROVAL SHALL BE AT CONTRACTOR'S OWN RISK.
8. CONTRACTOR IS RESPONSIBLE FOR A COMPLETE AND OPERABLE SYSTEM AND ANY COMPONENT(S) NEEDED FOR A COMPLETE AND OPERABLE SYSTEM AFTER SHOP DRAWING APPROVAL SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

CONTRACTOR CERTIFICATION
1. STRUCTURED DATA CABLING AND INTERCOM SYSTEMS REQUIRE CERTIFIED INSTALLERS. CONTRACTOR TO PROVIDE CERTIFICATIONS PRIOR TO START OF WORK.
2. CONTRACTOR SHALL ONLY PROVIDE WORK FOR SYSTEMS THAT THEY POSSESS CURRENT AND VALID CERTIFICATIONS.

CLOSEOUT DOCUMENTS
1. DOCUMENTS PER 27 00 00 REQUIREMENTS
2. UPDATED PRINTED AS-BUILT DRAWINGS
3. TYPED RECORD OF COMPLETION

TECHNOLOGY SHEET INDEX:

SHEET	DESCRIPTION
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2T-020	TECHNOLOGY INFRASTRUCTURE FLOOR PLANS DEMO
2T-021	TECHNOLOGY INFRASTRUCTURE FLOOR PLANS DEMO
2T-022	TECHNOLOGY INFRASTRUCTURE FLOOR PLANS DEMO
2T-023	TECHNOLOGY INFRASTRUCTURE FLOOR PLANS DEMO
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AGENCY APPROVAL DSA# 01-121407

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JOHNNY KAGEYAMA
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Regis. No.163629

REVISIONS

#	NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE

MOUNT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Dr.
Concord, CA 94519

MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

TECHNOLOGY INFRASTRUCTURE COVER SHEET

INCREMENT: INC.2

DRAWN BY: CS/SD JOB NUMBER: 23120.01

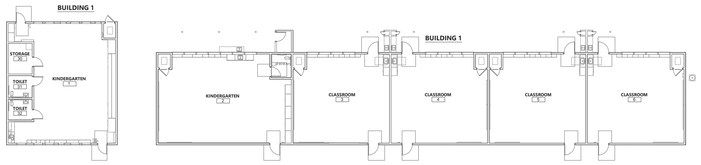
SHEET NO.

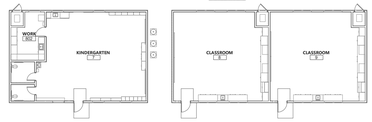
2T-000

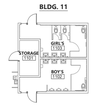
DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

DATE PLOTTED: 10/1/2024 5:02:54 PM FILE LOCATION: C:\Users\dvargas\Documents\23044_MTUSD_ IT Network Design 13 Sites_A22_dvargasTH8BX.rvt







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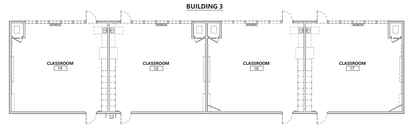
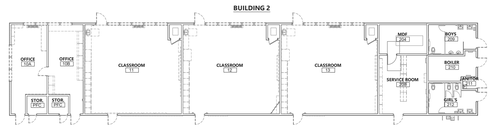
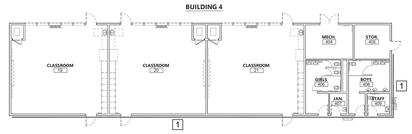
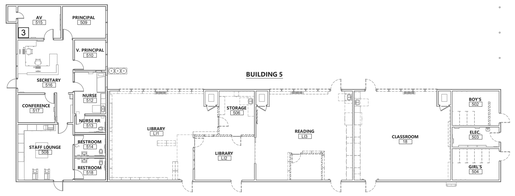
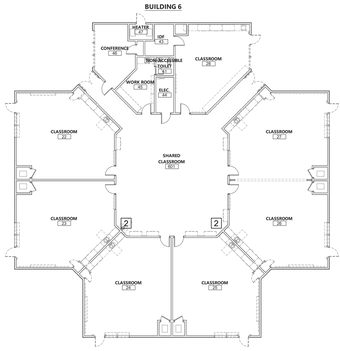
N.I.C.

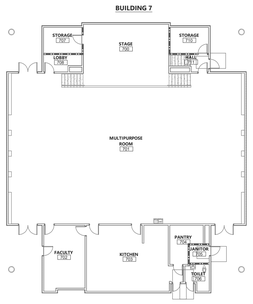


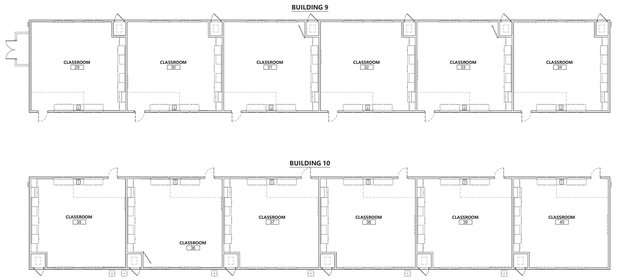














GENERAL NOTES:

1. CONTRACTOR TO REMOVE AND DISPOSE OF ALL (E) DATA NETWORK COPPER AND FIBER CABLING, SERVING BUILDINGS IN THIS INCREMENT, INCLUDING WITHIN CONDUITS AND PULL BOXES. CARE SHALL BE TAKEN NOT TO DISTURB OR DAMAGE ACTIVE SYSTEMS. COORDINATE WITH DISTRICT REPRESENTATIVE PRIOR TO DEMO.
2. CONTRACTOR TO REMOVE AND DISPOSE OF ALL (E) ANALOG TELEPHONE CABLING SERVING BUILDINGS IN THIS INCREMENT, INCLUDING WITHIN CONDUITS AND PULL BOXES. PROVIDE BLANK WALL PLATE AT ALL LOCATIONS, RETURN ANALOG PHONES TO DISTRICT.
3. CONTRACTOR TO REMOVE AND RETURN TO DISTRICT ALL (E) VIDEO PROJECTORS, A/V CABLING, CONTROL PANELS, INPUT STATIONS, AND LAPTOP DESKS. PATCH AND PREP FOR PAINT.
4. CONTRACTOR TO REMOVE AND DISPOSE OF ALL UNUSED OR ABANDONED SURFACE RACEWAY. PATCH AND PREP FOR PAINT.
5. CONTRACTOR TO RETURN REMOVED EQUIPMENT IN EXISTING WORKING ORDER. CARE SHALL BE TAKEN NOT TO DAMAGE REMOVED EQUIPMENT. EQUIPMENT SHALL BE LABELED WITH SITE NAME AND BOXED UP PRIOR TO RETURNING TO DISTRICT.
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8. CONTRACTOR TO REMOVE AND RETURN TO DISTRICT ALL (E) WIRELESS APS AND MOUNTS. PATCH AND PREP FOR PAINT.
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10. CONTRACTOR TO REMOVE AND RETURN TO DISTRICT ALL (E) ANALOG CLOCKS, SPEAKERS, AND SURFACE BACKBOXES. PATCH AND PREP FOR PAINT.
11. ALL ATOMIC BATTERY CLOCKS (AMERICAN TIME) REMOVED SHALL BE BOXED AND DELIVERED TO THE DISTRICT WAREHOUSE IN GOOD CONDITION.
12. ALL IP PHONES (POLY E100) SHALL BE LABELED WITH ROOM NUMBER, REMOVED, AND STORED IN A SUITABLE LOCATION DURING THE CONSTRUCTION PERIOD. PHONES SHALL BE RE-INSTALLED IN THE ROOM FROM WHICH THEY CAME, UTILIZING THE WALL PHONE DATA LOCATION, AS OCCURS.

SHEET NOTES:

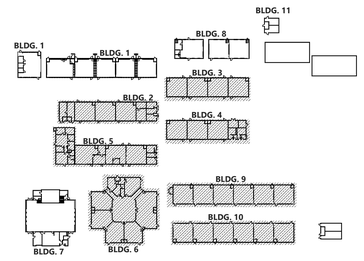
1. DEMO (E) 3/4" CONDUITS FEEDING CAMERA AT THIS LOCATION.
2. DEMO ABANDONED AERIAL FROM ROOF TO POLE.
3. DEMO BOGEN INTERCOM HEADEND AND RETURN TO DISTRICT AFTER (N) IP INTERCOM SYSTEM IS FULLY OPERATIONAL. DEMO ALL ANALOG INTERCOM FEEDERS AND 66-BLOCKS. PATCH WALL AND PREP FOR PAINT.

TECHNOLOGY INFRASTRUCTURE SITE PLAN DEMO

SCALE: 1"=20'

0 20 40

KEY PLAN



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Clayton, CA 94517

SHEET TITLE

TECHNOLOGY INFRASTRUCTURE SITE PLAN DEM0

INCREMENT: INC.2

DRAWN BY: CS/SD JOB NUMBER: 23120.01

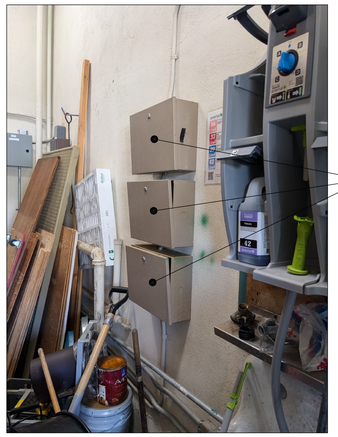
SHEET NO.

2T-010

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

DATE PLOTTED: 10/1/2024 5:02:54 PM FILE LOCATION: C:\Users\dvargas\Documents\23044 _MTUSD_ IT Network Design 13 Sites_A22_dvargasTH8BX.rvt



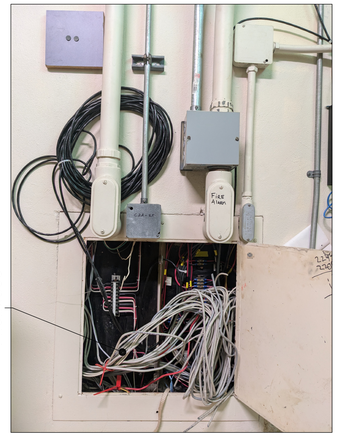
DEMO ABANDONED INTRUSION CABINETS



FULLY DEMO CONDUITS, IF EMPTY, TO EXTERIOR AND ACROSS CANOPY.

DEMO ALL ANALOG CLOCK AND PHONE CABLING INCLUDING 66-BLOCKS AND FEEDERS.

DEMO ABANDONED DATA CABLING AND CLOCK CABLING. TAKE CARE NOT TO DISTURB FIRE ALARM CABLING.



DEMO ALL COAX CABLING AND EQUIPMENT AND CABINET.



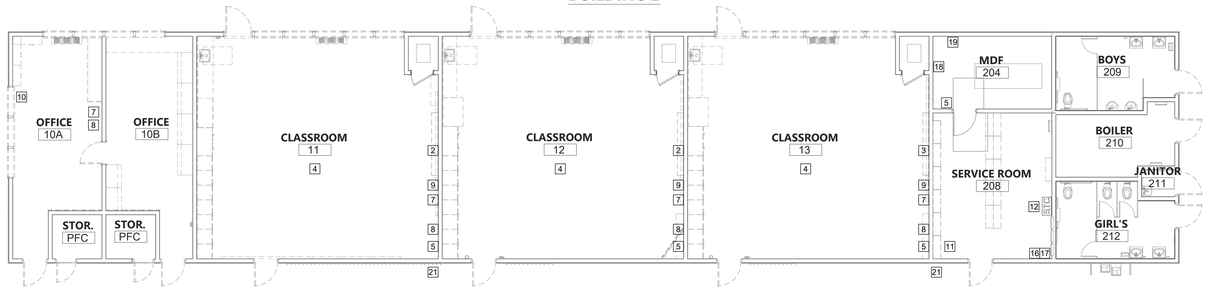
PICTURE DETAIL - ROOM 503

SCALE: NONE

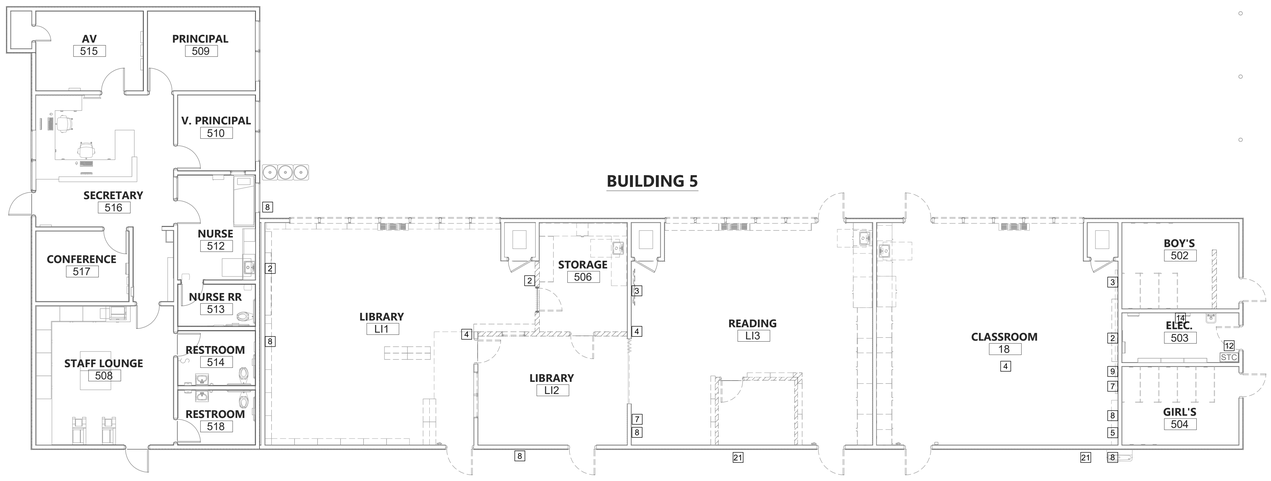
PICTURE DETAILS - ROOM 208

SCALE: NONE

BUILDING 2



BUILDING 5



TECHNOLOGY INFRA. FLOOR PLANS DEMO - BUILDINGS 2 AND 5

SCALE: 1/8"=1'

0 4 8 12 16

GENERAL NOTES:

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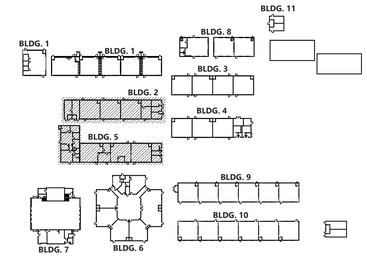
SHEET NOTES:

1. DEMO (E) IDF CABINET, BACKBOARD, AND OTHER DATA EQUIP. ON WALL, AS OCCURS. DEMO ALL (E) DATA DROPS AND FIBER TERMINATING AT THIS IDF.
2. DEMO (E) VIDEO PROJECTOR, MOUNT, LOW VOLTAGE CABLING, INPUT PLATE, AND SCREEN, AS OCCURS. REMOVE SURFACE RACEWAY SERVING PROJECTOR LOCATION.
3. DEMO (E) LCD TV, INCLUDING MOUNT, WALL CONTROLLER, INPUT PLATE, AND LOW VOLATE CABLING.
4. DEMO (E) WIRELESS AP, MOUNT, CABLING, AND SURFACE RACEWAY.
5. DEMO (E) ANALOG TELEPHONE, WALL PLATE, AND WIRING TO SOURCE. PROVIDE (N) BLANK WALL PLATE. IMPORTANT: IP PHONES (POLY E100) ARE TO BE PRESERVED AND REINSTALLED. SEE DEMO GENERAL NOTE 12.
6. DEMO (E) LAPTOP DESK WALL UNIT.
7. DEMO (E) CLOCK, BACKBOX, CONDUIT, AND CABLE TO HEADEND. PATCH AND PREP FOR PAINT.
8. DEMO (E) SPEAKER, DEMO INTERCOM CABLE TO HEADEND. REMOVE BACKBOX FROM WALL. PATCH AND PREP FOR PAINT.
9. DEMO (E) ATOMIC BATTERY CLOCK. RETURN TO DISTRICT.
10. DEMO (E) NETWORK SWITCH ON SHELF OR WALL BRACKET, AS OCCURS. DEMO ALL (E) DATA DROPS TERMINATING AT THIS NETWORK SWITCH.
11. DEMO (E) CAMERA, MOUNT, CABLING, AND SURFACE RACEWAY. PATCH AND PREP FOR PAINT, AND PROVIDE (N) BLANKING PLATES AND/OR END CAPS FOR ALTERED SURFACE RACEWAY.
12. DEMO ALL (E) ANALOG PHONE, ANALOG INTERCOM, CLOCK AND COAX TV CABLING TERMINATING AT THIS STC. DEMO FROM ENDPOINT TO ENDPOINT INCLUDING WITHIN CONDUITS AND PULL BOXES.
13. DEMO ALL DATA RACEWAY, BOXES, AND CABLING ON FLOOR.
14. DEMO ABANDONED INTRUSION CABINETS ON WALL. SEE PICTURE DETAIL.
15. DEMO ALL (E) ANALOG PHONE, ANALOG INTERCOM, CLOCK, AND ABANDONED DATA CABLING TERMINATING AT THIS STC. DEMO FROM ENDPOINT TO ENDPOINT, INCLUDING WITHIN CONDUITS AND PULL BOXES. DEMO EMPTY ABANDONED ROOFTOP CONDUITS. SEE PICTURE DETAIL.
16. DEMO ALL COAX TV CABLING, HEADEND EQUIPMENT, AND CABINET. SEE PICTURE DETAIL.
17. DEMO ABANDONED UPS ON WALL.
18. DEMO ANALOG PHONE PBX AND ASSOCIATED 66-BLOCKS.
19. DEMO ABANDONED ANALOG PHONE FEEDER CABLES AND 66-BLOCKS ON WALL.
20. DEMO IR EMITTER, MOUNT, CABLING, AND POWER SUPPLY.
21. DEMO ABANDONED COAX CABLE ON CANOPY OR WALL, AS OCCURS.

KEY PLAN



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REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER BICSI
ANTHONY KAGEYAMA
Signature
EXPIRES: 12/31/24
Regis. No.163629

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5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

TECHNOLOGY INFRASTRUCTURE FLOOR PLANS DEMO

INCREMENT: INC.2

DRAWN BY: CS/SD JOB NUMBER: 23120.01

SHEET NO.

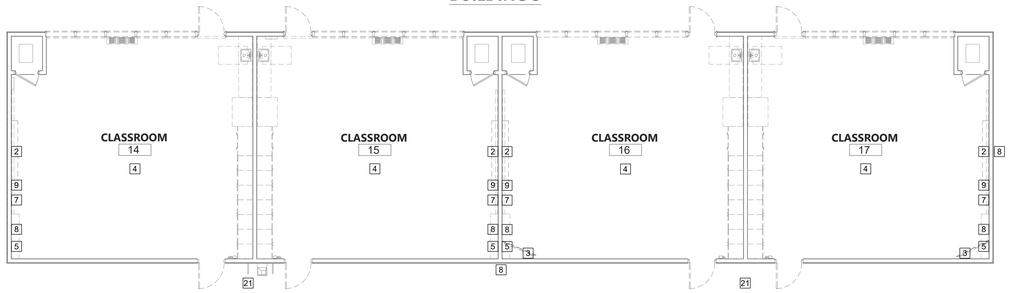
2T-020

DATE: OCTOBER 09, 2024

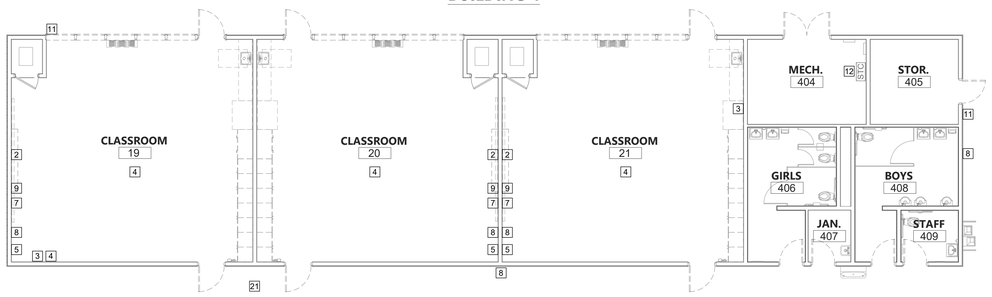
CONSTRUCTION DOCUMENT

DATE PLOTTED: 10/1/2024 5:02:54 PM FILE LOCATION: C:\Users\dvargas\Documents\23044_MTUSD_IT Network Design 13 Sites_A22_dvargasTH8BX.rvt

BUILDING 3



BUILDING 4



TECHNOLOGY INFRA. FLOOR PLANS DEMO - BUILDINGS 3 AND 4

SCALE: 1/8"=1'

0 4 8 12 16

GENERAL NOTES:

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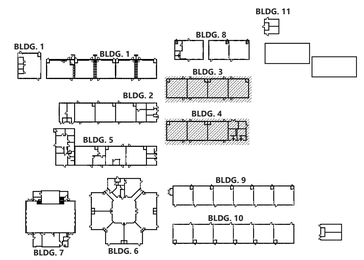
4. CONTRACTOR TO REMOVE AND DISPOSE OF ALL UNUSED OR ABANDONED SURFACE RACEWAY. PATCH AND PREP FOR PAINT.
5. CONTRACTOR TO RETURN REMOVED EQUIPMENT IN EXISTING WORKING ORDER. CARE SHALL BE TAKEN NOT TO DAMAGE REMOVED EQUIPMENT. EQUIPMENT SHALL BE LABELED WITH SITE NAME AND BOXED UP PRIOR TO RETURNING TO DISTRICT.
6. ALL EQUIPMENT SHALL BE RETURNED TO MDUSD. CONTACT DISTRICT REPRESENTATIVE COORDINATE RETURN PROCEDURE.
7. CONTRACTOR TO PROVIDE (N) BLANKING PLATES AND/OR (N) CHANNEL COVERS FOR (E) DATA LOCATIONS REMOVED FROM SURFACE RACEWAY AS A RESULT OF DEMO.
8. CONTRACTOR TO REMOVE AND RETURN TO DISTRICT ALL (E) WIRELESS APS AND MOUNTS. PATCH AND PREP FOR PAINT.
9. CONTRACTOR TO REMOVE AND DISPOSE OF ALL (E) ANALOG INTERCOM AND CLOCK CABLING FROM ENDPOINT TO ENDPOINT, INCLUDING WITHIN CONDUITS AND PULL BOXES.
10. CONTRACTOR TO REMOVE AND RETURN TO DISTRICT ALL (E) ANALOG CLOCKS, SPEAKERS, AND SURFACE BACKBOXES. PATCH AND PREP FOR PAINT.
11. ALL ATOMIC BATTERY CLOCKS (AMERICAN TIME) REMOVED SHALL BE BOXED AND DELIVERED TO THE DISTRICT WAREHOUSE IN GOOD CONDITION.
12. ALL IP PHONES (POLY E100) SHALL BE LABELED WITH ROOM NUMBER, REMOVED, AND STORED IN A SUITABLE LOCATION DURING THE CONSTRUCTION PERIOD. PHONES SHALL BE RE-INSTALLED IN THE ROOM FROM WHICH THEY CAME, UTILIZING THE WALL PHONE DATA LOCATION, AS OCCURS.

SHEET NOTES:

1. DEMO (E) IDF CABINET, BACKBOARD, AND OTHER DATA EQUIP. ON WALL, AS OCCURS. DEMO ALL (E) DATA DROPS AND FIBER TERMINATING AT THIS IDF.
2. DEMO (E) VIDEO PROJECTOR, MOUNT, LOW VOLTAGE CABLING, INPUT PLATE, AND SCREEN, AS OCCURS. REMOVE SURFACE RACEWAY SERVING PROJECTOR LOCATION.
3. DEMO (E) LCD TV, INCLUDING MOUNT, WALL CONTROLLER, INPUT PLATE, AND LOW VOLATE CABLING.
4. DEMO (E) WIRELESS AP, MOUNT, CABLING, AND SURFACE RACEWAY.
5. DEMO (E) ANALOG TELEPHONE, WALL PLATE, AND WIRING TO SOURCE. PROVIDE (N) BLANK WALL PLATE. IMPORTANT: IP PHONES (POLY E100) ARE TO BE PRESERVED AND REINSTALLED. SEE DEMO GENERAL NOTE 12.
6. DEMO (E) LAPTOP DESK WALL UNIT.
7. DEMO (E) CLOCK, BACKBOX, CONDUIT, AND CABLE TO HEADEND. PATCH AND PREP FOR PAINT.
8. DEMO (E) SPEAKER, DEMO INTERCOM CABLE TO HEADEND. REMOVE BACKBOX FROM WALL. PATCH AND PREP FOR PAINT.
9. DEMO (E) ATOMIC BATTERY CLOCK. RETURN TO DISTRICT.
10. DEMO (E) NETWORK SWITCH ON SHELF OR WALL BRACKET, AS OCCURS. DEMO ALL (E) DATA DROPS TERMINATING AT THIS NETWORK SWITCH.
11. DEMO (E) CAMERA, MOUNT, CABLING, AND SURFACE RACEWAY. PATCH AND PREP FOR PAINT, AND PROVIDE (N) BLANKING PLATES AND/OR END CAPS FOR ALTERED SURFACE RACEWAY.
12. DEMO ALL (E) ANALOG PHONE, ANALOG INTERCOM, CLOCK AND COAX TV CABLING TERMINATING AT THIS STC. DEMO FROM ENDPOINT TO ENDPOINT INCLUDING WITHIN CONDUITS AND PULL BOXES.
13. DEMO ALL DATA RACEWAY, BOXES, AND CABLING ON FLOOR.
14. DEMO ABANDONED INTRUSION CABINETS ON WALL. SEE PICTURE DETAIL.
15. DEMO ALL (E) ANALOG PHONE, ANALOG INTERCOM, CLOCK, AND ABANDONED DATA CABLING TERMINATING AT THIS STC. DEMO FROM ENDPOINT TO ENDPOINT, INCLUDING WITHIN CONDUITS AND PULL BOXES. DEMO EMPTY ABANDONED ROOFTOP CONDUITS. SEE PICTURE DETAIL.
16. DEMO ALL COAX TV CABLING, HEADEND EQUIPMENT, AND CABINET. SEE PICTURE DETAIL.
17. DEMO ABANDONED UPS ON WALL.
18. DEMO ANALOG PHONE PBX AND ASSOCIATED 66-BLOCKS.
19. DEMO ABANDONED ANALOG PHONE FEEDER CABLES AND 66-BLOCKS ON WALL.
20. DEMO IR EMITTER, MOUNT, CABLING, AND POWER SUPPLY.
21. DEMO ABANDONED COAX CABLE ON CANOPY OR WALL, AS OCCURS.

KEY PLAN



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PROFESSIONAL STAMP

BICSI REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
JOHNNY KAGAYAMA
Signature
Expires: 12/31/24
Regis. No.163629

REVISIONS

NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE

MOUNT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Dr.
Concord, CA 94519

MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

TECHNOLOGY INFRASTRUCTURE FLOOR PLANS DEMO

INCREMENT: INC.2

DRAWN BY: CS/SD JOB NUMBER: 23120.01

SHEET NO.

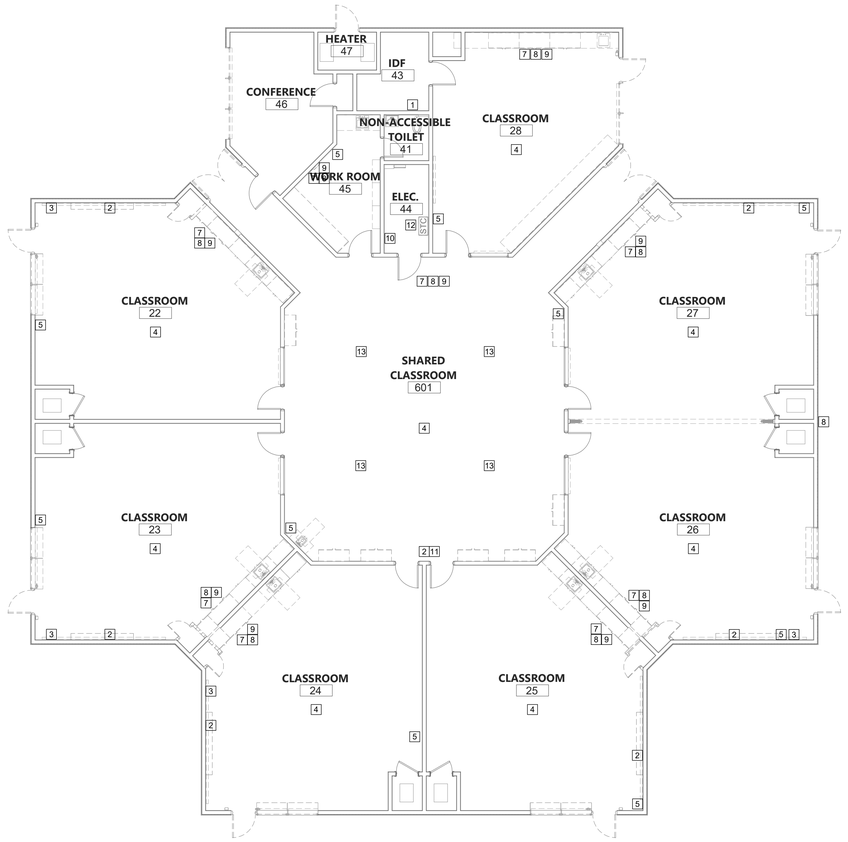
2T-021

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

DATE PLOTTED: 10/1/2024 5:02:54 PM FILE LOCATION: C:\Users\dvargas\Documents\23044_MTUSD_ IT Network Design 13 Sites_A22_dvargasTH8BX.rvt

BUILDING 6



TECHNOLOGY INFRA. FLOOR PLANS DEMO - BUILDING 6

SCALE: 1/8"=1'

0 4 8 12 16

GENERAL NOTES:

1. CONTRACTOR TO REMOVE AND DISPOSE OF ALL (E) DATA NETWORK COPPER AND FIBER CABLING, SERVING BUILDINGS IN THIS INCREMENT, INCLUDING WITHIN CONDUITS AND PULL BOXES. CARE SHALL BE TAKEN NOT TO DISTURB OR DAMAGE ACTIVE SYSTEMS. COORDINATE WITH DISTRICT REPRESENTATIVE PRIOR TO DEMO.
2. CONTRACTOR TO REMOVE AND DISPOSE OF ALL (E) ANALOG TELEPHONE CABLING SERVING BUILDINGS IN THIS INCREMENT, INCLUDING WITHIN CONDUITS AND PULL BOXES. PROVIDE BLANK WALL PLATE AT ALL LOCATIONS, RETURN ANALOG PHONES TO DISTRICT.
3. CONTRACTOR TO REMOVE AND RETURN TO DISTRICT ALL (E) VIDEO PROJECTORS, A/V CABLING, CONTROL PANELS, INPUT STATIONS, AND LAPTOP DESKS. PATCH AND PREP FOR PAINT.
4. CONTRACTOR TO REMOVE AND DISPOSE OF ALL UNUSED OR ABANDONED SURFACE RACEWAY. PATCH AND PREP FOR PAINT.
5. CONTRACTOR TO RETURN REMOVED EQUIPMENT IN EXISTING WORKING ORDER. CARE SHALL BE TAKEN NOT TO DAMAGE REMOVED EQUIPMENT. EQUIPMENT SHALL BE LABELED WITH SITE NAME AND BOXED UP PRIOR TO RETURNING TO DISTRICT.
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7. CONTRACTOR TO PROVIDE (N) BLANKING PLATES AND/OR (N) CHANNEL COVERS FOR (E) DATA LOCATIONS REMOVED FROM SURFACE RACEWAY AS A RESULT OF DEMO.
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12. ALL IP PHONES (POLY E100) SHALL BE LABELED WITH ROOM NUMBER, REMOVED, AND STORED IN A SUITABLE LOCATION DURING THE CONSTRUCTION PERIOD. PHONES SHALL BE RE-INSTALLED IN THE ROOM FROM WHICH THEY CAME, UTILIZING THE WALL PHONE DATA LOCATION, AS OCCURS.

SHEET NOTES:

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6. DEMO (E) LAPTOP DESK WALL UNIT.
7. DEMO (E) CLOCK, BACKBOX, CONDUIT, AND CABLE TO HEADEND. PATCH AND PREP FOR PAINT.
8. DEMO (E) SPEAKER, DEMO INTERCOM CABLE TO HEADEND. REMOVE BACKBOX FROM WALL. PATCH AND PREP FOR PAINT.
9. DEMO (E) ATOMIC BATTERY CLOCK. RETURN TO DISTRICT.
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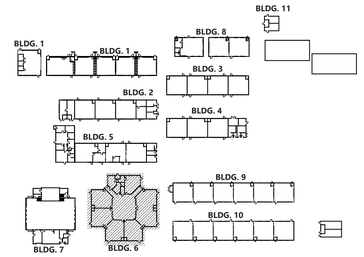
KEY PLAN



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REVISIONS

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PROJECT OWNER & TITLE

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1936 Carlotta Dr.
Concord, CA 94519

MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

TECHNOLOGY INFRASTRUCTURE FLOOR PLANS DEMO

INCREMENT: INC.2

DRAWN BY: CS/SD JOB NUMBER: 23120.01

SHEET NO.

2T-022

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

DATE PLOTTED: 10/1/2024 5:02:54 PM FILE LOCATION: C:\Users\dvargas\Documents\23044_MTUSD_ IT Network Design 13 Sites_A22_dvargasTH8BX.rvt

GENERAL NOTES:

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SHEET NOTES:

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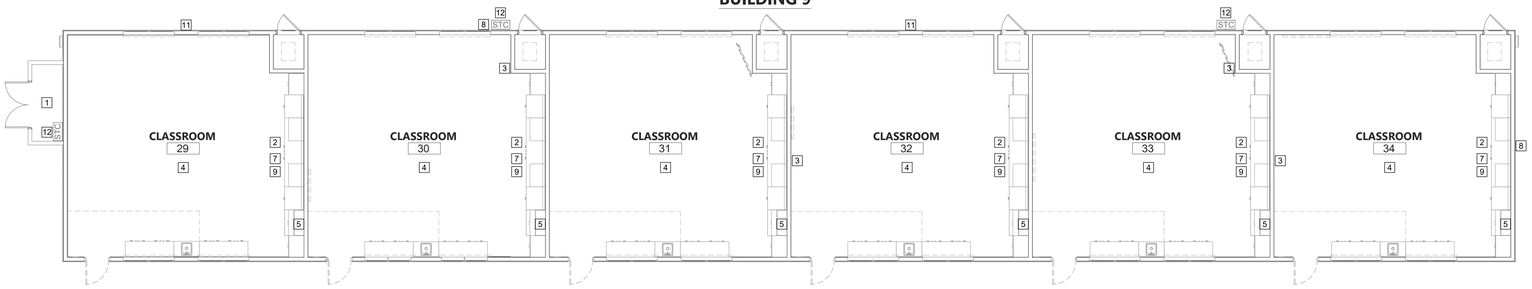
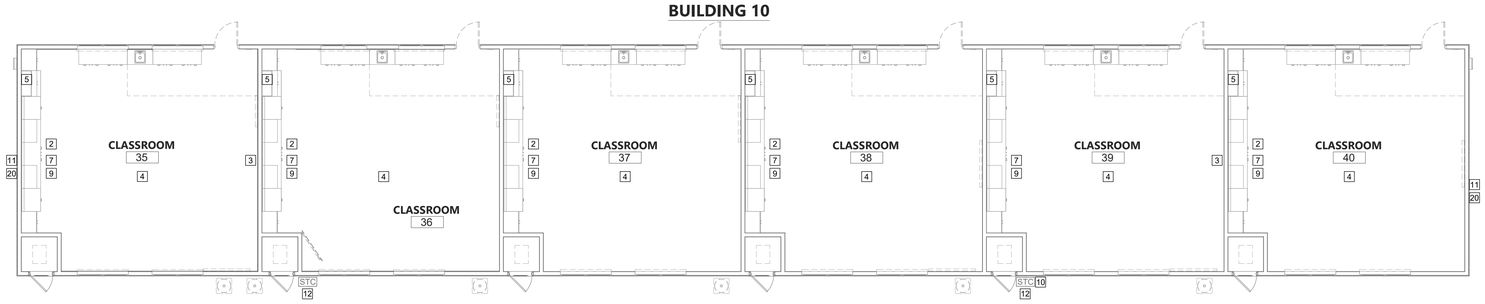
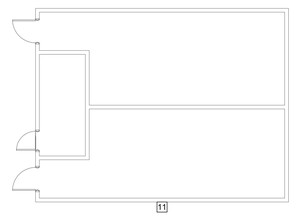
BUILDING 9



BUILDING 10





TECHNOLOGY INFRA. FLOOR PLANS DEMO - BUILDINGS 9 AND 10

SCALE: 1/8"=1'

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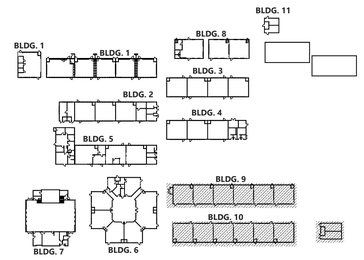
KEY PLAN



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BICSI
JOHNNY KAGEYAMA
Signature
EXPIRES: 12/31/24
Regis. No.163629

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SHEET TITLE
TECHNOLOGY INFRASTRUCTURE FLOOR PLANS DEMO

INCREMENT: INC.2

DRAWN BY: CS/SD JOB NUMBER: 23120.01

SHEET NO.
2T-023

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

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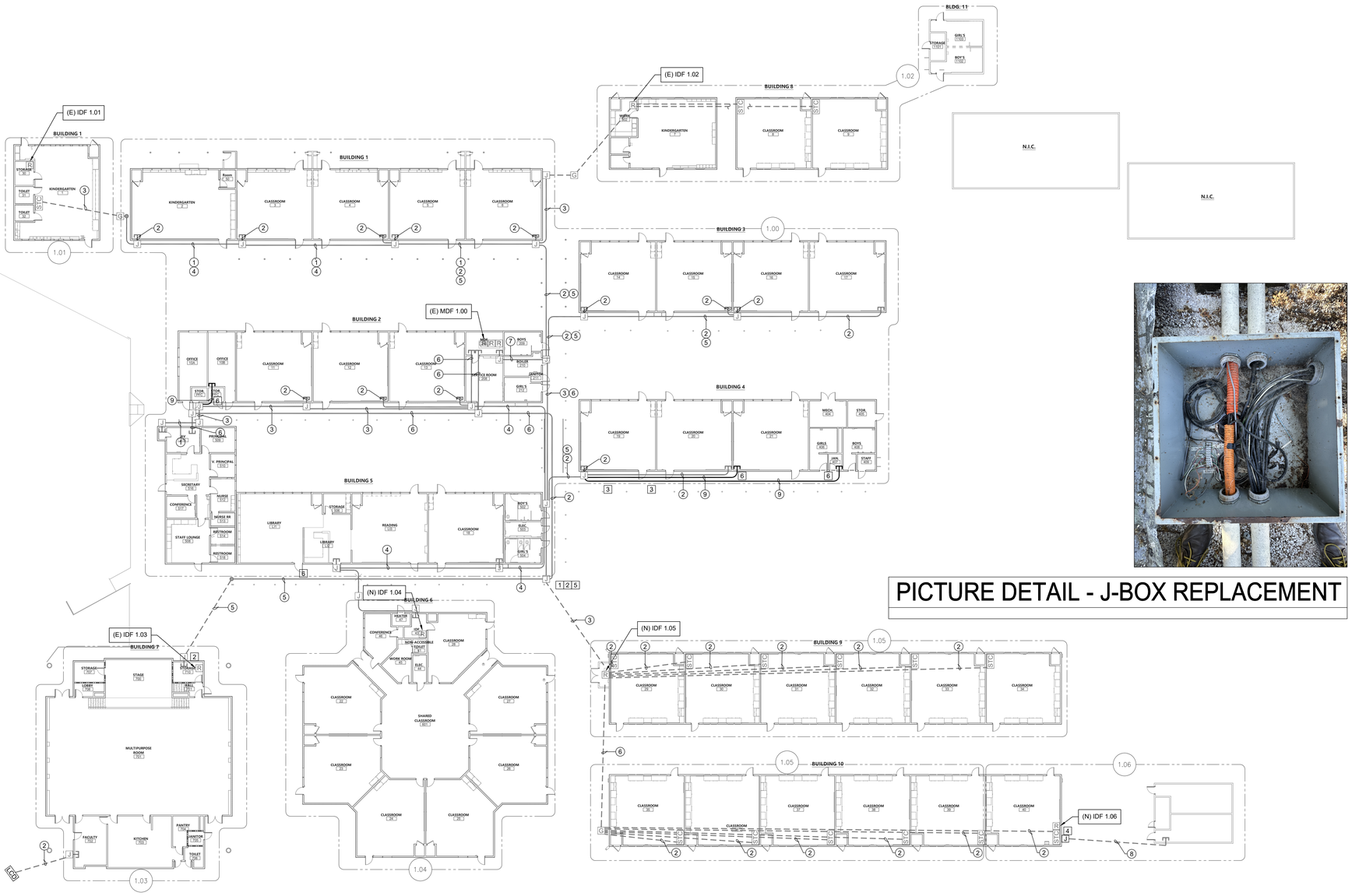

PICTURE DETAIL - J-BOX REPLACEMENT

CONDUIT QTY. AND SIZE:

1. (E) 1 EA. 1-1/2" CONDUITS.
2. (E) 1 EA. 2" CONDUITS.
3. (E) 2 EA. 2" CONDUITS.
4. (E) 3 EA. 2" CONDUITS.
5. (E) 1 EA. 4" CONDUITS.
6. (E) 2 EA. 4" CONDUITS.
7. (E) 3 EA. 4" CONDUITS.
8. (E) 1 EA. 1" CONDUITS.
9. (N) 1 EA. 2" CONDUITS.

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SHEET NOTES:

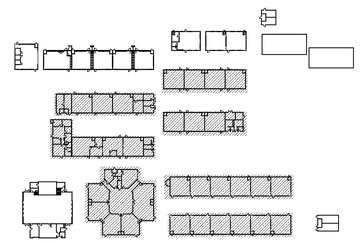
1. REPLACE (E) J-BOX WITH 1 EA. (N) NEMA 4 J-BOX WITH CONTINUOUS HINGE LID AND CLAMP STYLE CLOSURE MOUNTED ON DURA-BLOCKS. SEE DETAIL 1/2T-800. REWORK (E) CONDUIT TO (N) J-BOX.
2. TO FACILITATE J-BOX REPLACEMENT, CAREFULLY DISCONNECT AND PULL BACK (E) FIBER SERVING IDF 1.03. ONCE J-BOX REPLACEMENT IS COMPLETE, RE-PULL FIBER THROUGH (E) CONDUIT TO IDF 1.03. RE-TEST FIBER. REPLACE FIBER AT NO EXTRA COST TO OWNER IF IT DOES NOT PASS ALL TESTS. ALL DOWNTIME OF IDF 1.03 MUST BE COORDINATED AND APPROVED BY DISTRICT REPRESENTATIVE.
3. RESECURE CONDUITS TO OVERHANG AT THIS LOCATION.
4. INTERCEPT (E) 1" CONDUITS FROM UG AND PROVIDE (N) STUB THROUGH WALL TO STC CAN. MAKE PENETRATION WATERPROOF. REMOVE ABANDONED REMAINDER OF CONDUIT ABOVE AND ACROSS WALL.
5. TO FACILITATE J-BOX REPLACEMENT, CAREFULLY DISCONNECT AND PULL BACK (E) INTRUSION ALARM AND FIRE ALARM CABLING SERVING MP ROOM AND CLASSROOMS 29-40. ONCE J-BOX REPLACEMENT IS COMPLETE, RE-PULL CABLE THROUGH (E) CONDUIT TO ORIGINAL ENDPOINTS, RE-TERMINATE, AND TEST. ALL DOWNTIME OF SYSTEMS MUST BE COORDINATED AND APPROVED BY DISTRICT REPRESENTATIVE. SEE PICTURE DETAIL.
6. PROVIDE (N) NEMA-3R J-BOX AT EXTERIOR WALL WITH NEW 2" PENETRATION TO INTERIOR. SEE DETAIL 1/2T-800.

TECHNOLOGY INFRASTRUCTURE SITE PLAN NEW

SCALE: 1"=20'

0 20 40

KEY PLAN



AGENCY APPROVAL DSA# 01-121407

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JOHNNY KAGEYAMA
EXPIRES: 10/31/24
Regis. No.163629

REVISIONS

# NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE

MOUNT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Dr.
Concord, CA 94519

MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

TECHNOLOGY INFRASTRUCTURE SITE PLAN NEW

INCREMENT: INC.2

DRAWN BY: CS/SD JOB NUMBER: 23120.01

SHEET NO.

2T-100

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

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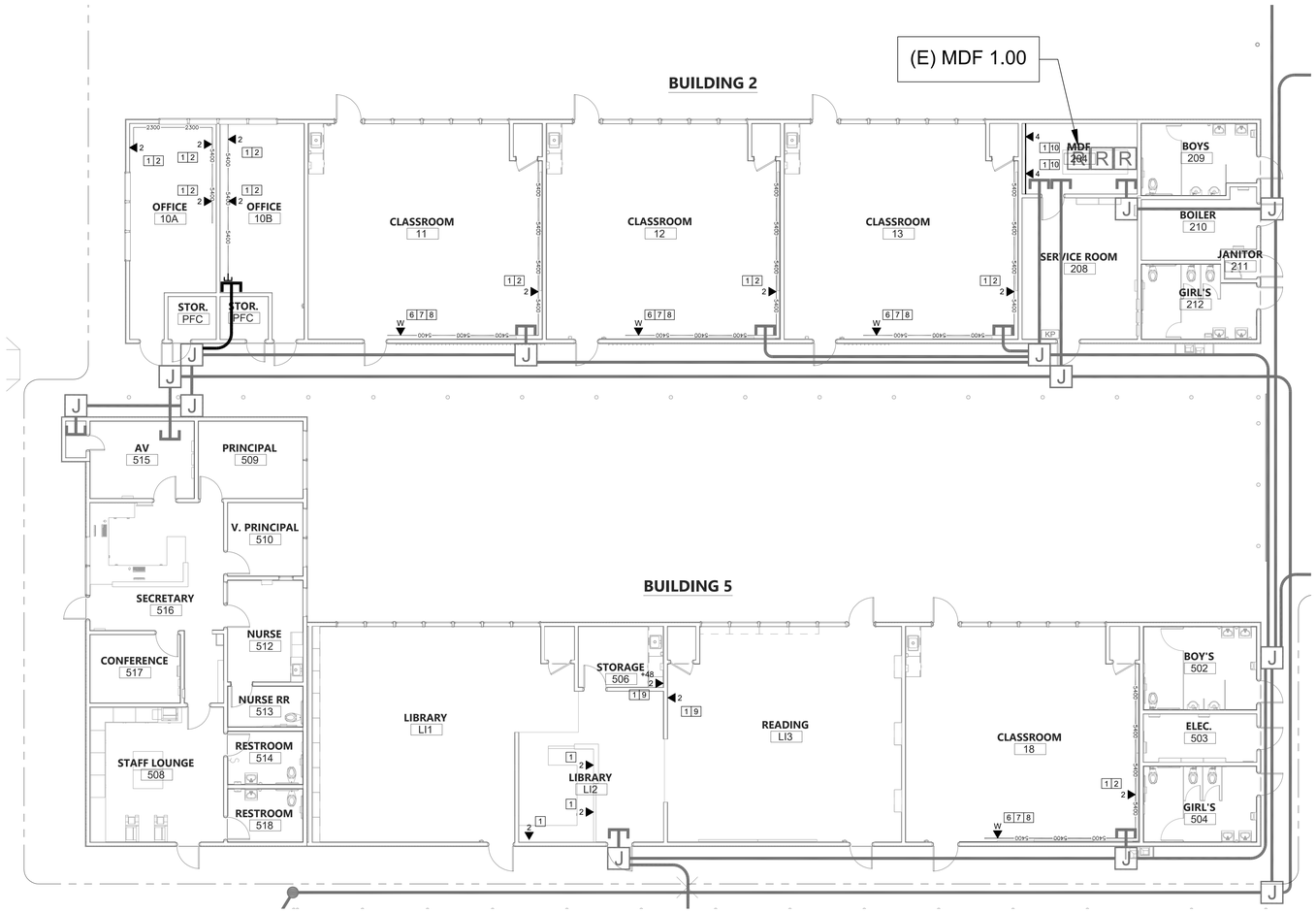
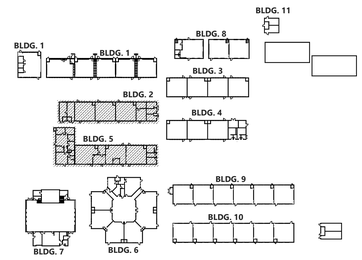


TECHNOLOGY INFRA. FLOOR PLANS NEW - BUILDINGS 2 AND 5

SCALE: 1/8"=1'

0 4 8 12 16

KEY PLAN



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SHEET TITLE
TECHNOLOGY INFRASTRUCTURE FLOOR PLANS NEW

INCREMENT: INC.2

DRAWN BY: CS/SD JOB NUMBER: 23120.01

SHEET NO.
2T-200

DATE: OCTOBER 09, 2024

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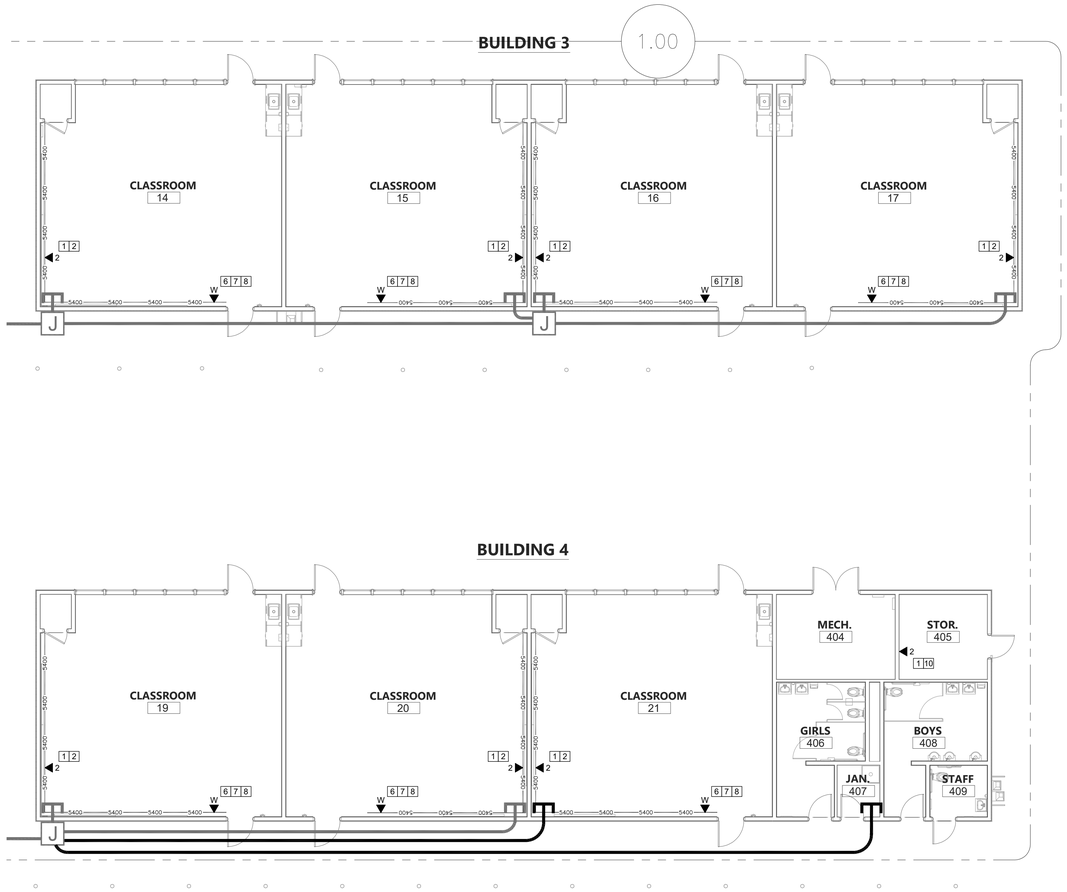

TECHNOLOGY INFRA. FLOOR PLANS NEW - BUILDINGS 3 AND 4

SCALE: 1/8"=1'

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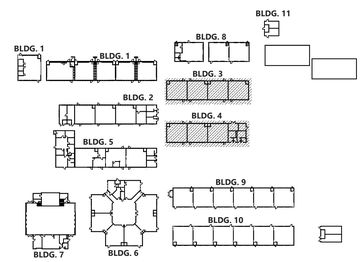
KEY PLAN



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ANNY KAGELOW
Signature
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INCREMENT: INC.2

DRAWN BY: CS/SD JOB NUMBER: 23120.01

SHEET NO.

2T-201

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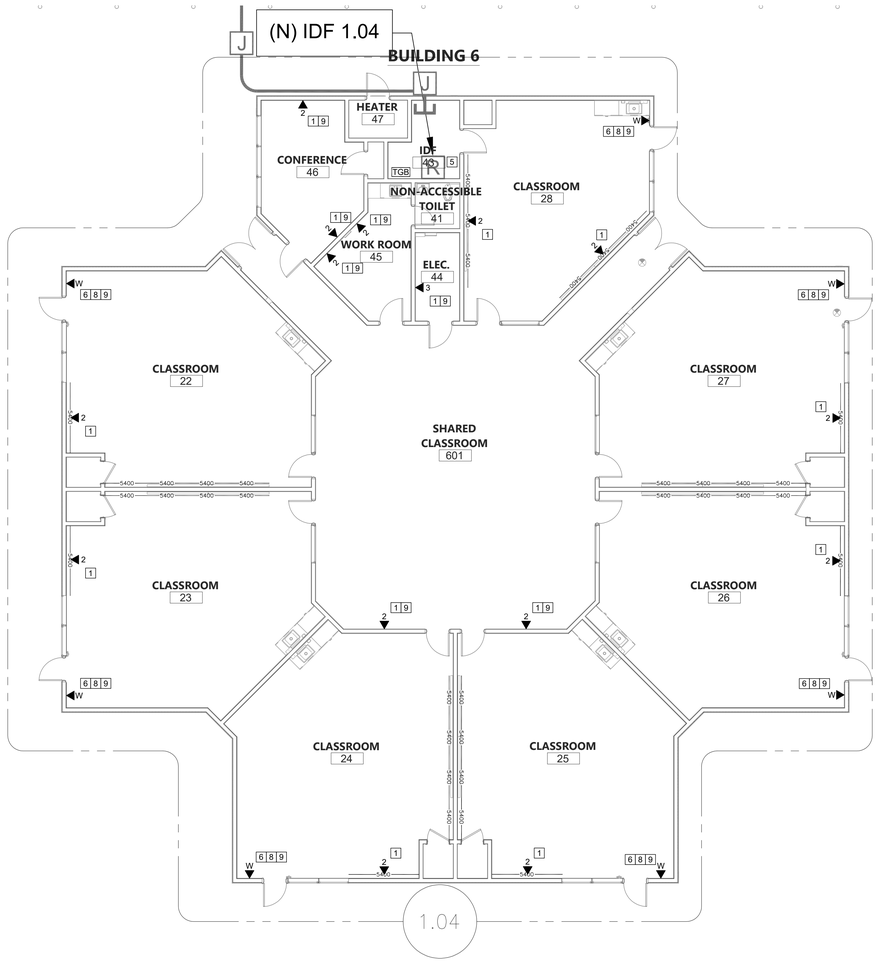

TECHNOLOGY INFRA. FLOOR PLANS NEW - BUILDING 6

SCALE: 1/8"=1'

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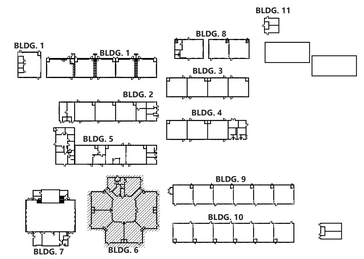
KEY PLAN



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SHEET TITLE

TECHNOLOGY INFRASTRUCTURE FLOOR PLANS NEW

INCREMENT: INC.2

DRAWN BY: CS/SD JOB NUMBER: 23120.01

SHEET NO.

2T-202

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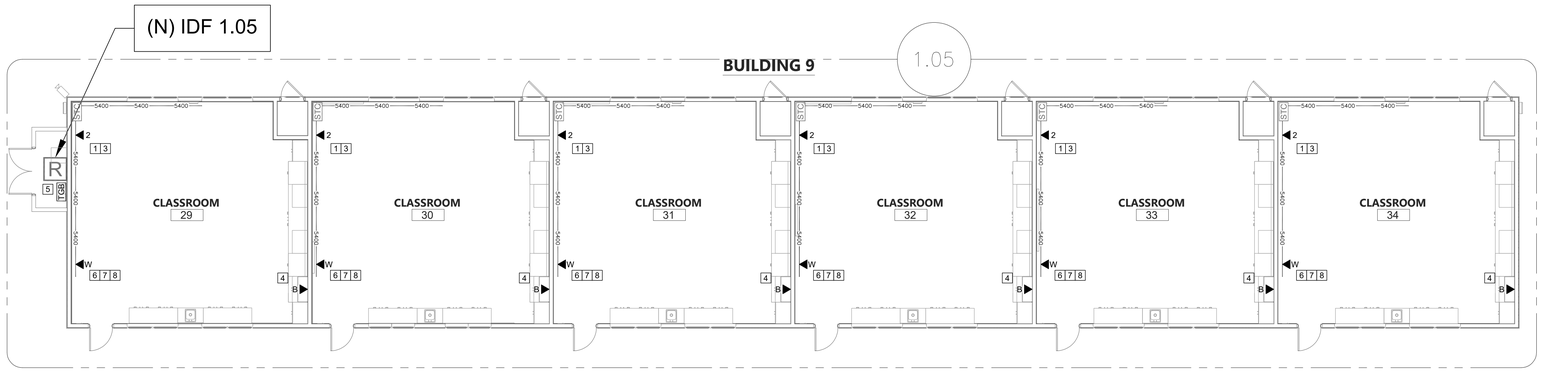

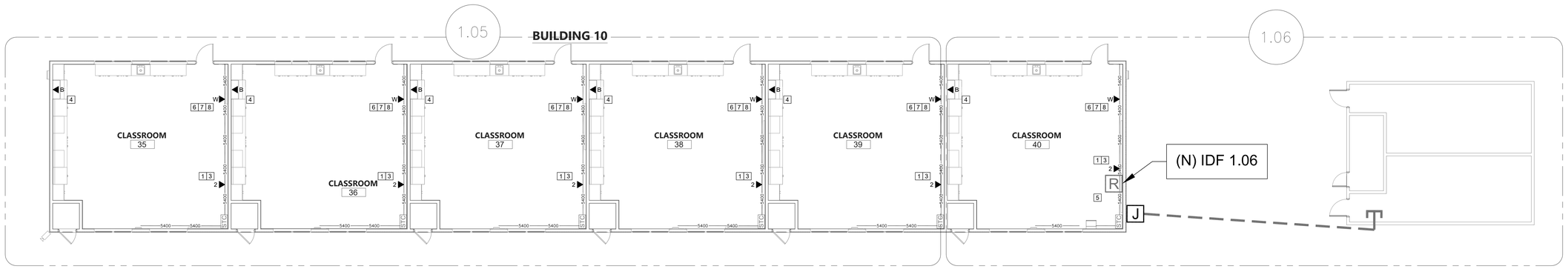

TECHNOLOGY INFRA. FLOOR PLANS NEW - BUILDINGS 9 AND 10

SCALE: 1/8"=1'

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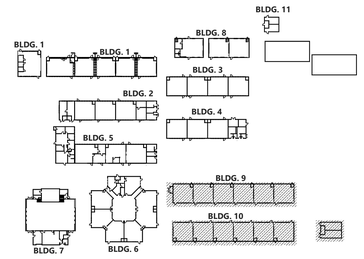
KEY PLAN



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INCREMENT: INC.2

DRAWN BY: CS/SD JOB NUMBER: 23120.01

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CONSTRUCTION DOCUMENT

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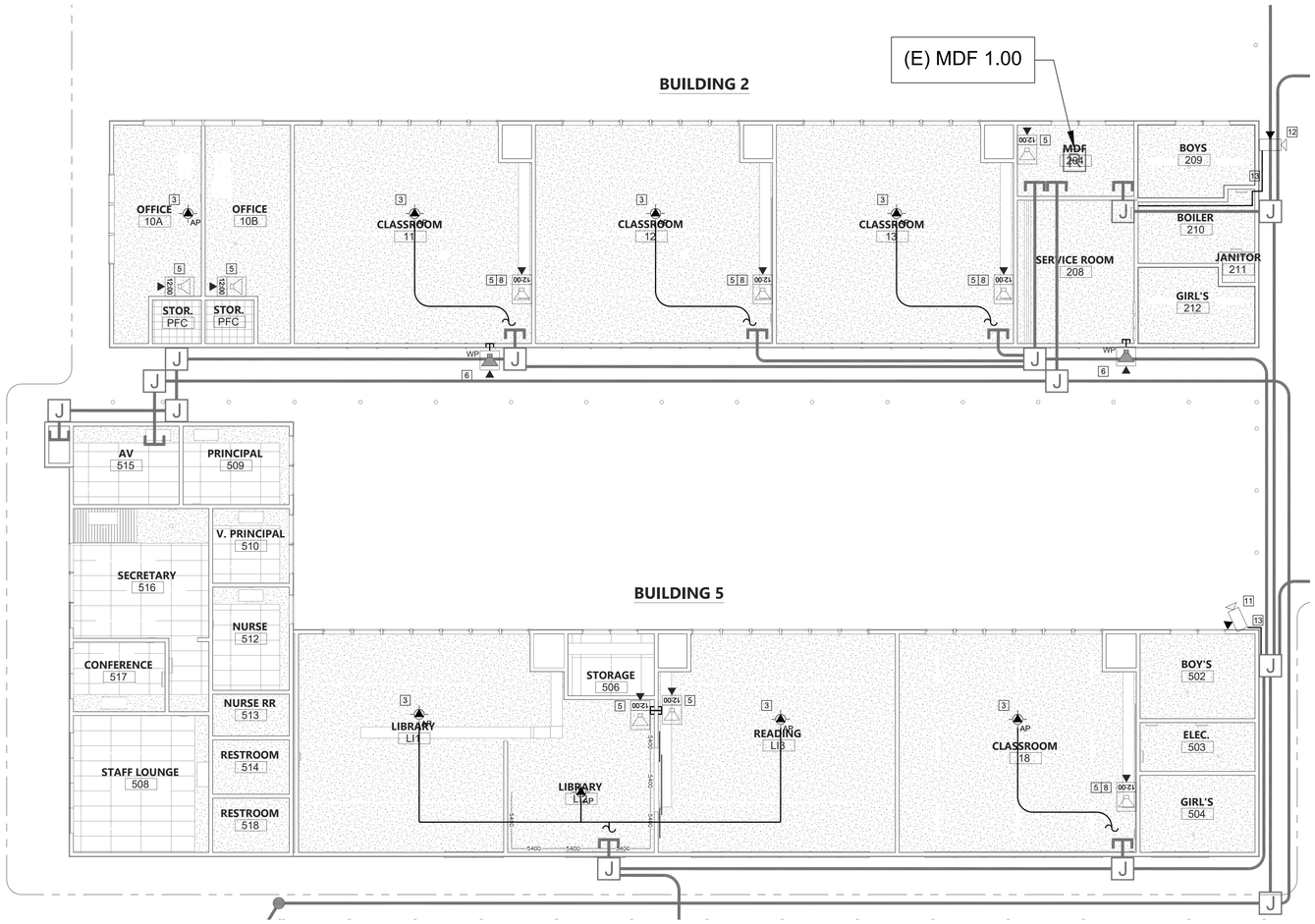

TECHNOLOGY INFRA. RCP NEW - BUILDINGS 2 AND 5

SCALE: 1/8"=1'

0 4 8 12 16

GENERAL NOTES:

1. CONTRACTOR TO FURNISH AND INSTALL ALL PATHWAY, CABLING, ENCLOSURES, MOUNTS, TERMINATIONS, AND ACCESSORIES REQUIRED FOR COMPLETE AND FULLY OPERATIONAL TECHNOLOGY SYSTEMS.
2. CONTRACTOR TO INSTALL AND MAKE OPERATIONAL ALL OWNER-FURNISHED ACTIVE EQUIPMENT AS NOTED IN THE PLANS AND SPECIFICATIONS.
3. ALL ACTIVE EQUIPMENT FURNISHED BY THE OWNER WILL BE PROGRAMMED BY THE OWNER.

SHEET NOTES:

1. PROVIDE (N) 2 EA. CAT6A DATA DROP FOR WIRELESS AP AT ACCESSIBLE CEILING. INSTALL OWNER-PROVIDED AP. SEE DETAIL 6/2T801.
2. PROVIDE (N) 2 EA. CAT6A DATA DROP FOR WIRELESS AP AT HARD LID CEILING. PROVIDE (N) WM2300 SURFACE RACEWAY TO AP LOCATION. INSTALL OWNER-PROVIDED AP. SEE DETAIL 11/2T801.
3. PROVIDE (N) 2 EA. CAT6A DATA DROP FOR WIRELESS AP AT HARD LID CEILING. PROVIDE (N) EMT CONDUIT FROM NEAREST DATA J-BOX. SEE DETAIL 5/2T801.
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6. PROVIDE (N) 1 EA. CAT6A DATA DROP FOR IP EXTERIOR SPEAKER. PROVIDE (N) EXTERIOR SURFACE BACKBOX AND MAKE WATERPROOF. TERMINATE DATA DROP IN BISCUIT BLOCK MOUNTED IN SURFACE BACKBOX. MOUNT OWNER-PROVIDED EXTERIOR SPEAKER UNIT. PROVIDE (N) 1 EA. CAT6A PATCH CABLE.
7. ROUTE CABLING VIA SAME SURFACE RACEWAY SERVING WIRELESS AP LOCATION.
8. REMOVE (E) CLOCK. ROUTE (N) CABLING TO NEAREST DATA J-BOX VIA (E) CONDUIT STUB TO CEILING AT CLOCK LOCATION.
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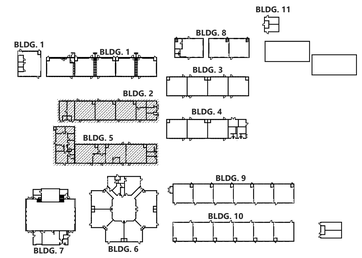
13. PROVIDE (N) 1" CONDUIT TO DEVICE LOCATION.
14. PROVIDE (N) 2" CONDUIT FROM EXTERIOR TO (N) J-BOX.

KEY PLAN



N

AGENCY APPROVAL DSA# 01-121407

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JOHNNY KAGEYAMA
Expires: 12/31/24
Regis. No.163629

REVISIONS

# NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE
MOUNT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Dr.
Concord, CA 94519

MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
TECHNOLOGY INFRASTRUCTURE REFLECTED CEILING PLANS NEW

INCREMENT: INC.2

DRAWN BY: CS/SD JOB NUMBER: 23120.01

SHEET NO.
2T-300

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

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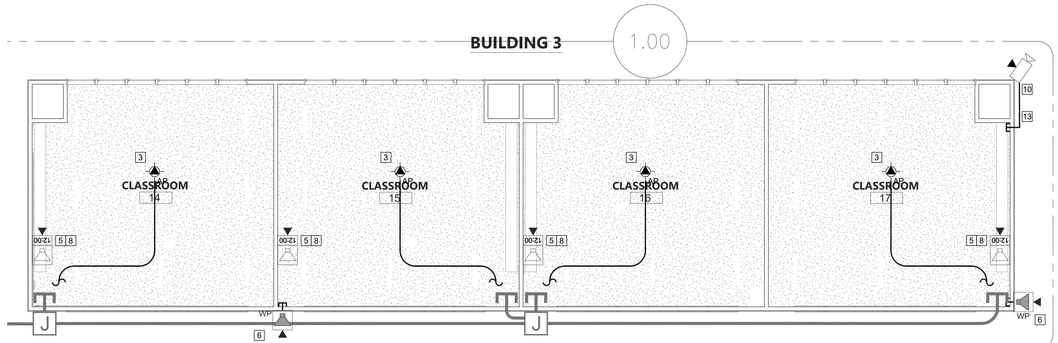
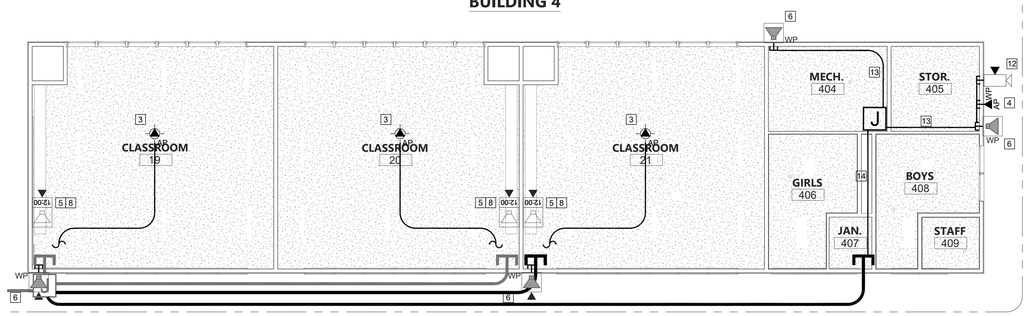
BUILDING 3



BUILDING 4



TECHNOLOGY INFRA. RCP NEW - BUILDINGS 3 AND 4

SCALE: 1/8"=1'

0 4 8 12 16

GENERAL NOTES:

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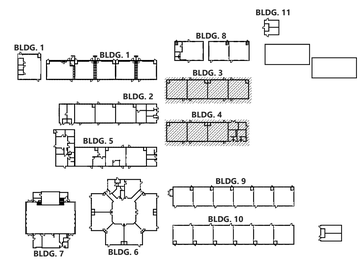
KEY PLAN



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AGENCY APPROVAL DSA# 01-121407

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PROJECT OWNER & TITLE

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Concord, CA 94519

MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

TECHNOLOGY INFRASTRUCTURE REFLECTED CEILING PLANS NEW

INCREMENT: INC.2

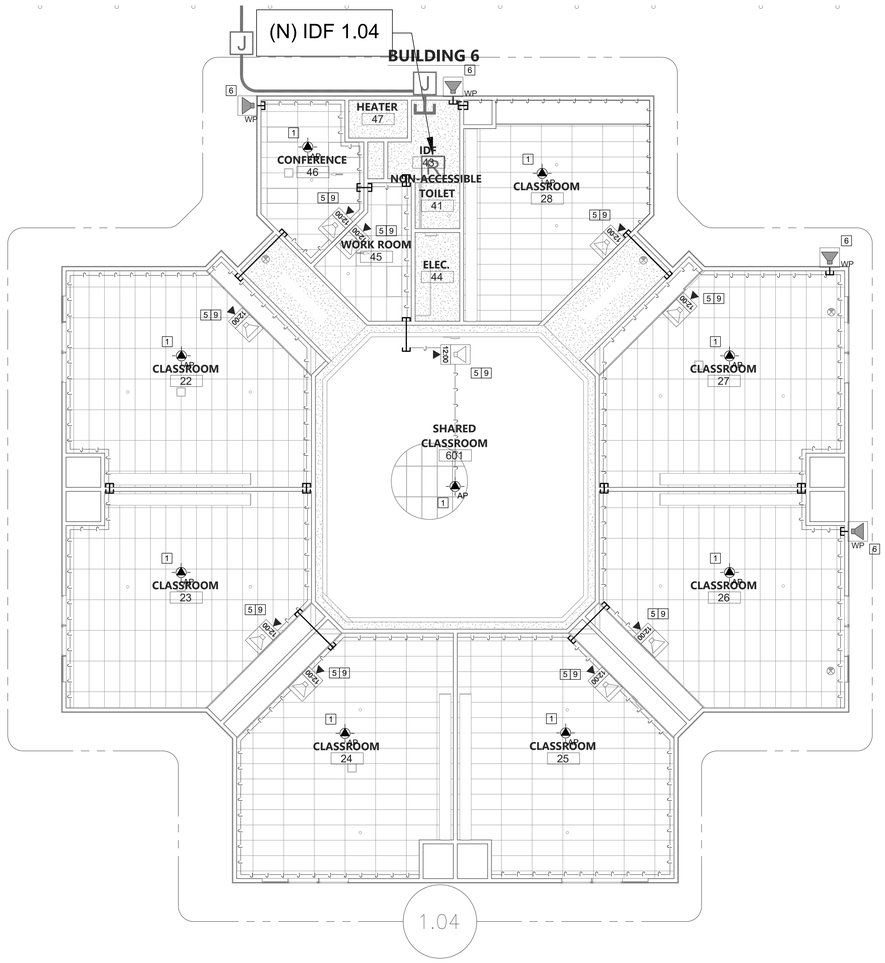
DRAWN BY: CS/SD JOB NUMBER: 23120.01

SHEET NO.

2T-301

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT



TECHNOLOGY INFRA. RCP NEW - BUILDING 6

SCALE: 1/8"=1'

0 4 8 12 16

GENERAL NOTES:

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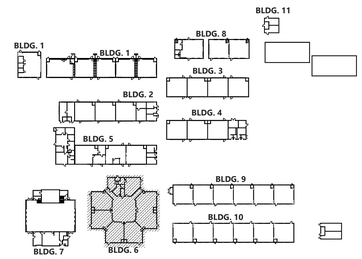

AGENCY APPROVAL DSA# 01-121407

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ANTHONY KAGEYAMA
Exp. Aug. 1, 2025
Regis. No.163629

REVISIONS

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SHEET TITLE

TECHNOLOGY INFRASTRUCTURE REFLECTED CEILING PLANS NEW

INCREMENT: INC.2

DRAWN BY: CS/SD JOB NUMBER: 23120.01

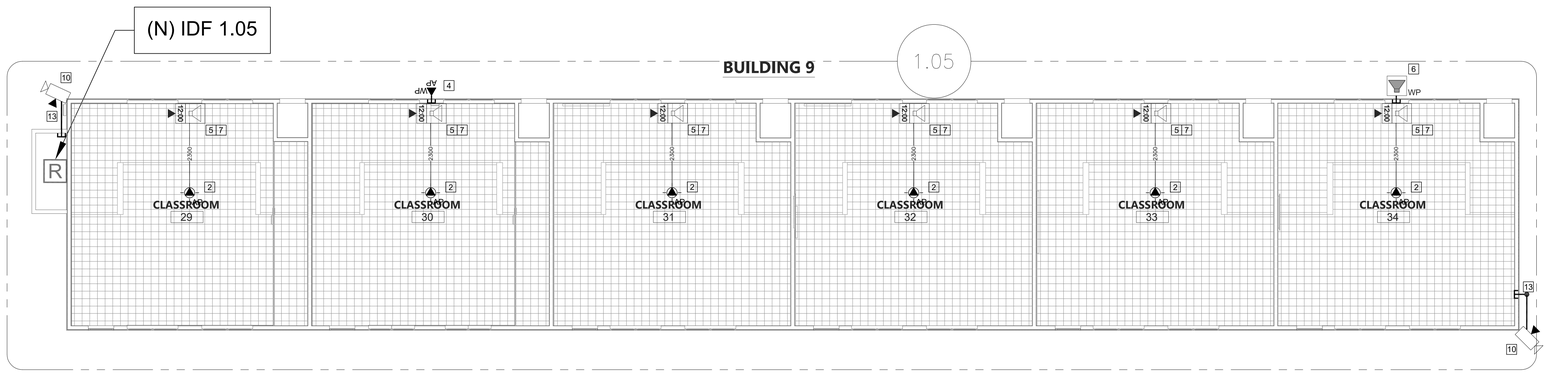
SHEET NO.

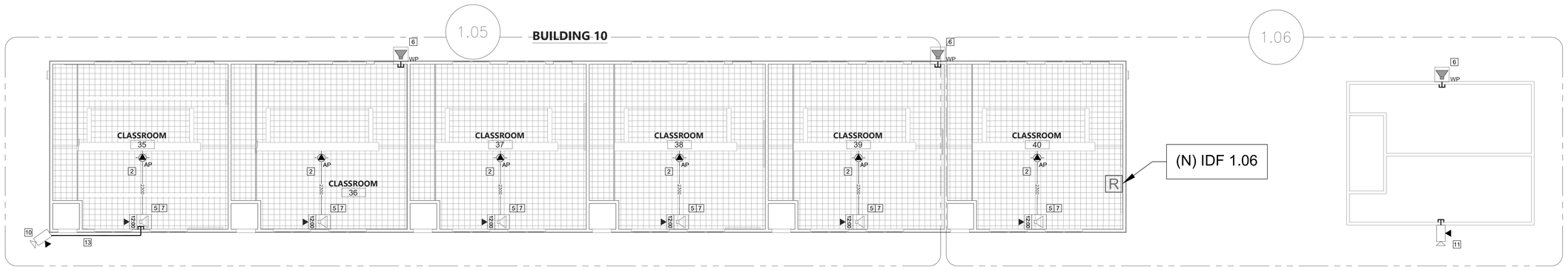
2T-302

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

DATE PLOTTED: 10/1/2024 5:02:54 PM FILE LOCATION: C:\Users\dvargas\Documents\23044_MTUSD_IT Network Design 13 Sites_A22_dvargasTH8BX.rvt





TECHNOLOGY INFRA. RCP NEW - BUILDINGS 9 AND 10

SCALE: 1/8"=1'

0 4 8 12 16

GENERAL NOTES:

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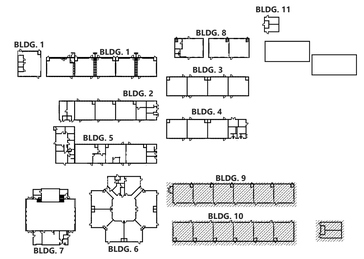

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JOHNNY KAGAHIRO
Expires: 12/31/24
Regis. No.163629

REVISIONS

# NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE

MOUNT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Dr.
Concord, CA 94519

MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

TECHNOLOGY INFRASTRUCTURE REFLECTED CEILING PLANS NEW

INCREMENT: INC.2

DRAWN BY: CS/SD JOB NUMBER: 23120.01

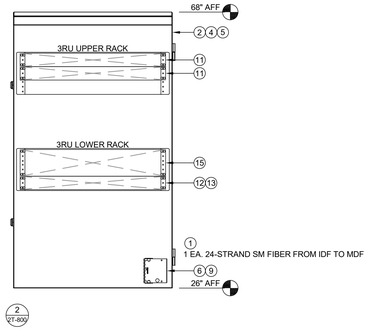
SHEET NO.

2T-303

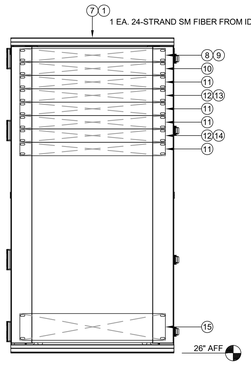
DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

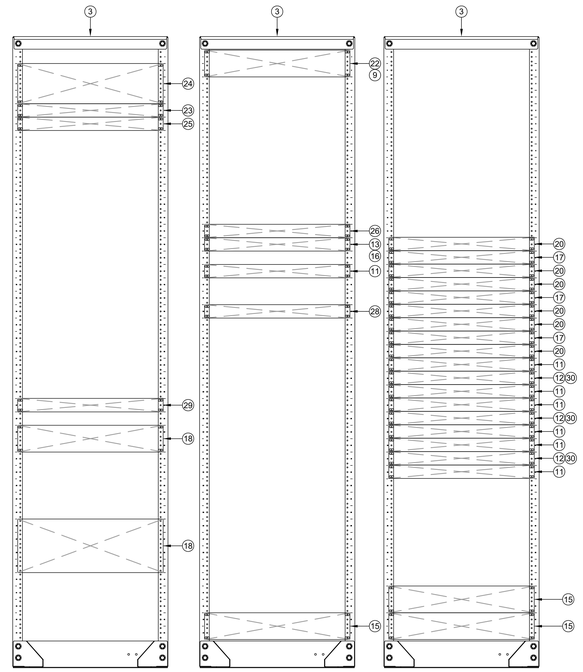
DATE PLOTTED: 10/1/2024 5:02:54 PM FILE LOCATION: C:\Users\dvargas\Documents\23044_MTUSD_IT Network Design 13 Sites_A22_dvargasTH8BX.rvt



2 (N) IDF 1.04 - STORAGE 43



1 (E) MDF 1.00 - BUILDING 2



3 (N) IDF 1.05 - BUILDING 9

4 (N) IDF 1.06 - BUILDING 10

ALL IDF GENERAL NOTES:

1. PROVIDE 1 EA. (N) 208V/20A (L6-20R) DEDICATED CIRCUIT IN QUAD BOX ON REAR PAN OF RACK. (BY ELEC.)
2. SET RACK RAIL DEPTH SO THAT THE FRONT DOOR WILL BE ABLE TO CLOSE AND LATCH AFTER EQUIPMENT AND PATCH CABLES ARE INSTALLED.
3. PROVIDE ALL (N) EQUIPMENT CALLED FOR IN THE ELEVATION.
4. INSTALL ALL OWNER-FURNISHED EQUIPMENT CALLED FOR IN THE ELEVATION.
5. ROUTE POWER FOR ALL EQUIPMENT SO THAT IT IS PROTECTED BY THE UNINTERRUPTIBLE POWER SUPPLY.
6. REMOVE ALL (E) EQUIPMENT NOT NOTED FOR REUSE AND DELIVER TO DISTRICT WAREHOUSE IN GOOD CONDITION.
7. PROVIDE (N) 6" SLIMLINE CAT6A PATCH CABLES FOR ALL (N) DATA DROPS.
8. PROVIDE (N) LC/LC FIBER PATCH CABLES AS REQUIRED.

MDF GENERAL NOTES:

1. ANY DOWNTIME OR CUTOVERS MUST BE SCHEDULED IN ADVANCE AND APPROVED BY THE DISTRICT REPRESENTATIVE. CAREFUL COORDINATION WILL BE REQUIRED TO MINIMIZE DOWNTIME AND SO THAT NORMAL CAMPUS OPERATONS WILL NOT BE AFFECTED.
2. PROVIDE ALL (N) EQUIPMENT CALLED FOR IN THE ELEVATION.
3. INSTALL ALL OWNER-FURNISHED EQUIPMENT CALLED FOR IN THE ELEVATION.
4. ROUTE POWER FOR ALL EQUIPMENT SO THAT IS EVENLY DISTRIBUTED BETWEEN AND FULLY PROTECTED BY THE UNINTERRUPTIBLE POWER SUPPLIES.
5. REMOVE ALL (E) EQUIPMENT NOT NOTED FOR REUSE AND DELIVER TO DISTRICT WAREHOUSE IN GOOD CONDITION.
6. PROVIDE (N) 6" SLIMLINE CAT6A PATCH CABLES FOR ALL (N) DATA DROPS.
7. PROVIDE (N) LC/LC FIBER PATCH CABLES AS REQUIRED.
8. PROVIDE 3 EA. (N) 208V/20A (L6-20R) DEDICATED CIRCUITS AT TOP OF (E) MDF RACKS. COORDINATE EXACT PLACEMENT IN FIELD FOR OPTIMUM CABLE ROUTING.

EQUIPMENT SCHEDULE:

ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)

SYMBOL	DESCRIPTION	MFG/MODEL	PART NUMBER	NOTES / DETAIL REFERENCES
1	24-STRAND SINGLE MODE FIBER, ARMORED	PANDUIT	FSLP924	N/A
2	TELECOMMUNICATIONS RACK, WALL VERTICAL 3U/3U	PANDUIT	WME3BL	N/A
3	TELECOMMUNICATIONS RACK	EXISTING	EXISTING	N/A
4	FAN KIT FOR WALL VERTICAL RACK	PANDUIT	PZAEFAN	N/A
5	GROUND KIT FOR WALL VERTICAL RACK	PANDUIT	WMEGK	N/A
6	FIBER ENCLOSURE BRACKET FOR VERTICAL RACK	PANDUIT	FWME1BL	N/A
7	TELECOMMUNICATIONS RACK, WALL, 26U	PANDUIT	PZWMC2630P	N/A
	FAN KIT FOR WALL RACK		PZCFK	N/A
	GROUND KIT FOR WALL RACK		PZWMCGK	N/A
8	FIBER TRAY LIU, 1U	PANDUIT	FRME1U	N/A
	NOT USED		NOT USED	N/A
9	FIBER ADAPTER PANEL 12 PAIR	PANDUIT	FAP12WBUDLCZ	N/A
10	1U HORIZONTAL CABLE MANAGER	PANDUIT	NCMHF1	N/A
11	1U 24 PORT PATCH PANEL	PANDUIT	CPPL24M6BLY	N/A
	STRAIN RELIEF BAR FOR PATCH PANEL		SRB19BLY	N/A
12	48 PORT SWITCH	ARUBA	R8S90A	OFCI
	POWER SUPPLY		JL670A	OFCI
13	SFP+ MODULE	ARUBA	J9151E	OFCI
14	STACK CABLE	ARUBA	R0M46A	OFCI
15	UNINTERRUPTIBLE POWER SUPPLY	N1C	N1C.L3000G	OFCI
16	CORE SWITCH	ARUBA	EXISTING	N/A
17	SWITCH	ARUBA	EXISTING	N/A
18	SITE SERVER	EXISTING	EXISTING	N/A
19	NVR SERVER	EXISTING	EXISTING	N/A
20	PATCH PANEL	EXISTING	EXISTING	N/A
21	NOT USED	NOT USED	NOT USED	N/A
22	2U LIU	EXISTING	EXISTING	N/A
23	SERVICE PROVIDER EQUIPMENT, 1U	CIENA	EXISTING	N/A
24	SERVICE PROVIDE LIU, 3U	ADC	EXISTING	N/A
25	SERVICE PROVIDER EQUIPMENT, 1U	VIRTUALEDGE	EXISTING	N/A
26	AP CONTROLLER	ARUBA	EXISTING	N/A
27	NOT USED	NOT USED	NOT USED	N/A
28	INTERCOM HEADEND	INFORMACAST	EXISTING	N/A
29	1U RACK MOUNT MONITOR	TRIPP LITE	EXISTING	N/A
30	DAC CABLE	ARUBA	J9283D	OFCI

AGENCY APPROVAL DSA# 01-121407

196 ARCHITECTS
991 W. HEDDING STREET, SUITE 101
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REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER BICSI JOHNNY KAGEYAMA 20090 EXPIRES: 12/31/24 Regis. No.163629

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MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

TECHNOLOGY INFRASTRUCTURE RACK ELEVATIONS

INCREMENT: INC.2

DRAWN BY: CS/SD JOB NUMBER: 23120.01

SHEET NO.

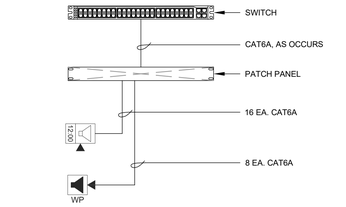
2T-700

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

DATE PLOTTED: 10/1/2024 5:02:54 PM FILE LOCATION: C:\Users\dvargas\Documents\23044 _MTUSD_ IT Network Design 13 Sites_A22_dvargasTH8BX.rvt

EQUIPMENT INTERCOM SCHEDULE: ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)				
SYMBOL	DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES
IDF21	IP CLOCK/SPEAKER COMBO	ATLAS	IP-SDMF	OFCI
	SURFACE BACKBOX		IP-SEST-SD	N/A
WP	IP SPEAKER (EXTERIOR)	ATLAS	IP-HVP	OFCI
	SURFACE BACKBOX		IP-SEST-HVP	N/A



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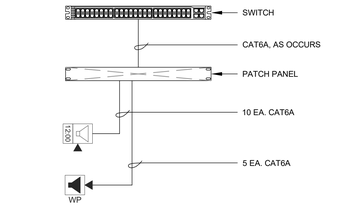

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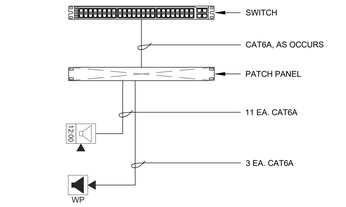

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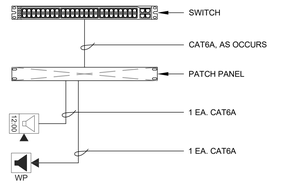
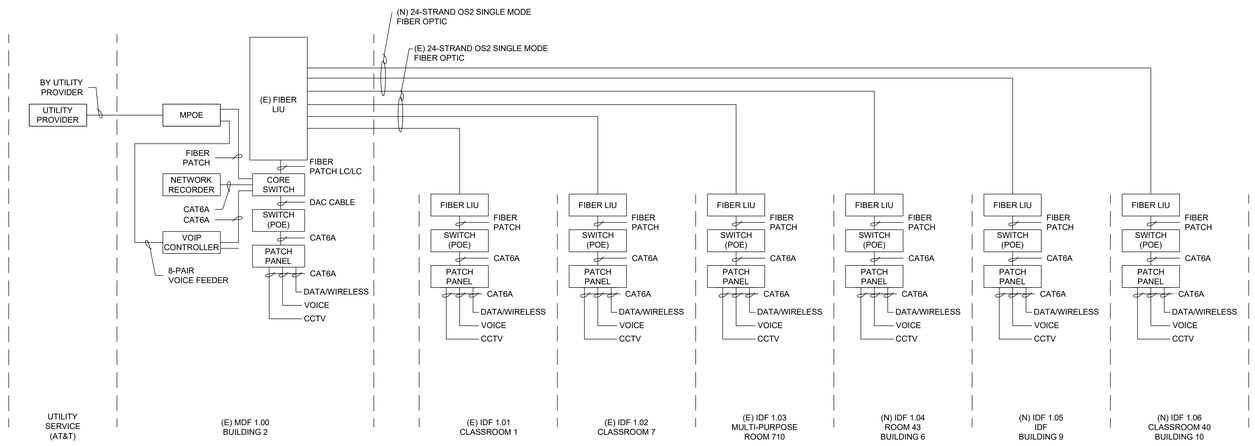


D IDF 1.06
SCALE: NONE

2 INTERCOM NETWORK SINGLE LINE DIAGRAM
SCALE: NONE



1 DATA/VOICE/CCTV NETWORK SINGLE LINE DIAGRAM
SCALE: NONE

DATE PLOTTED: 10/1/2024 5:02:54 PM FILE LOCATION: C:\Users\dvargas\Documents\23044_MTUSD_IT Network Design 13 Sites_A22_dvargasTH8BX.rvt

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BICSI
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5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

TECHNOLOGY INFRASTRUCTURE SINGLE LINE DIAGRAMS

INCREMENT: INC.2

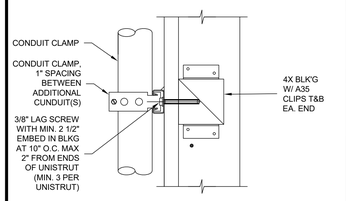
DRAWN BY: CS/SD JOB NUMBER: 23120.01

SHEET NO.

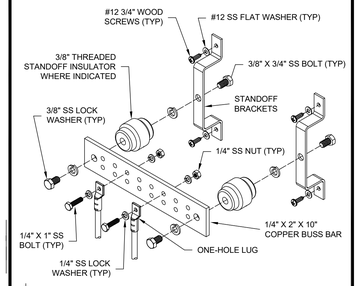
2T-701

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT



9 CONDUIT SUPPORT DETAIL - VERTICAL
SCALE: NONE



6 MAIN GROUND BAR DETAIL
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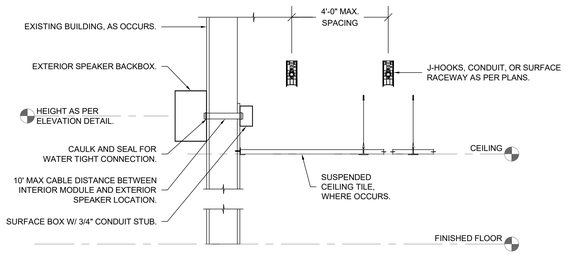

4 EXTERIOR INTERCOM SPEAKER MOUNTING DETAIL
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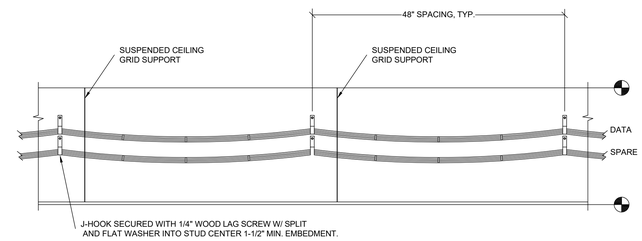

3 J-HOOK PATHWAY ABOVE CEILING DETAIL
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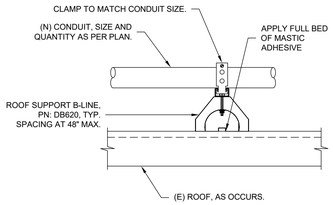

10 CONDUIT ON ROOF DETAIL
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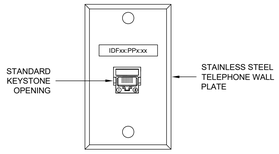

7 TELEPHONE WALL PLATE DETAIL
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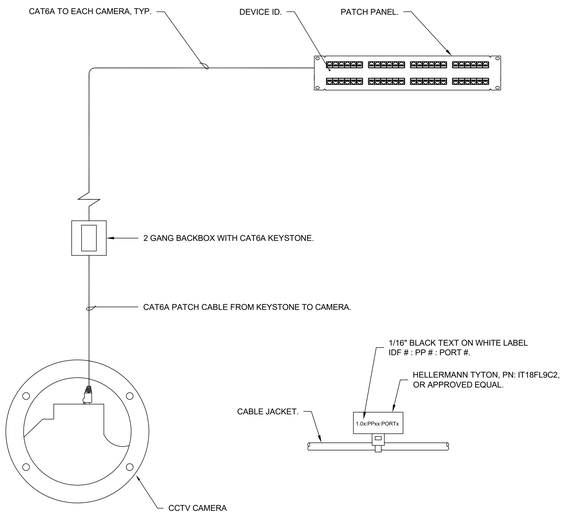
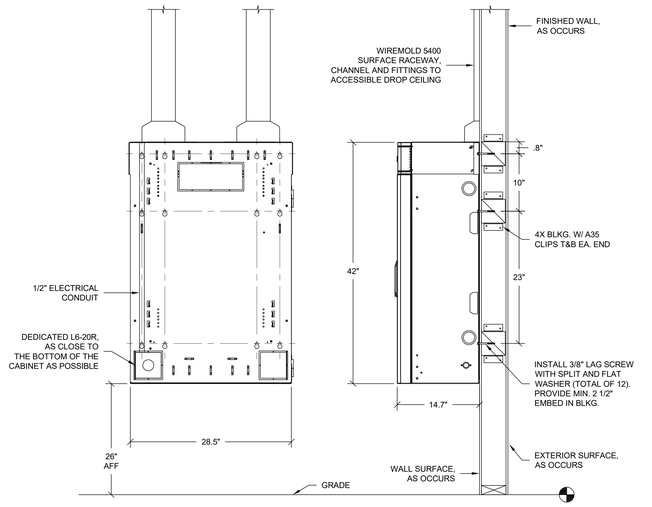
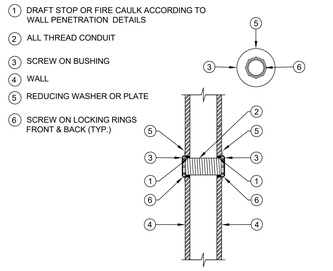


5 CCTV NETWORK SEGMENT DETAIL
SCALE: NONE



NOTES:
1. 3RU TOTAL LOAD CAPACITY = 200 LBS.

2 TELECOMMUNICATIONS WALL CABINET, 3RU
SCALE: NONE



11 CONDUIT SLEEVE PENETRATION DETAIL
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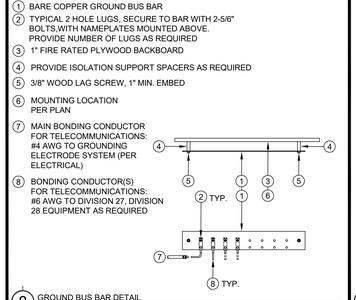
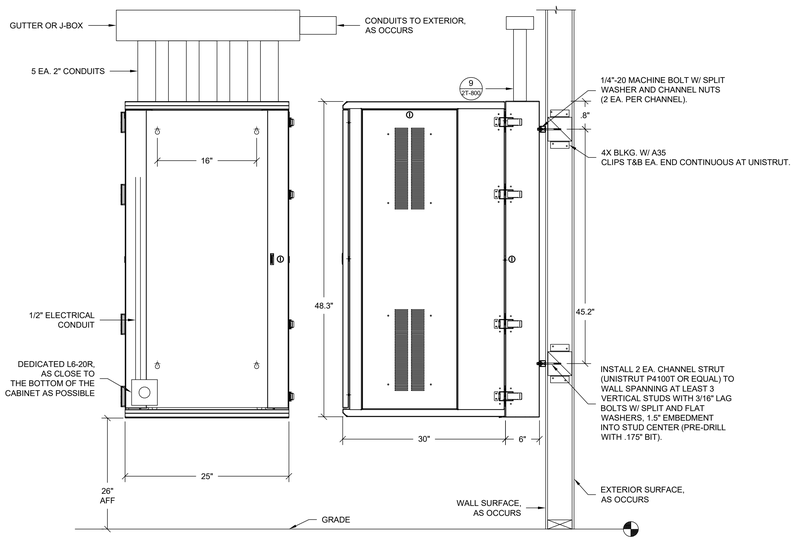
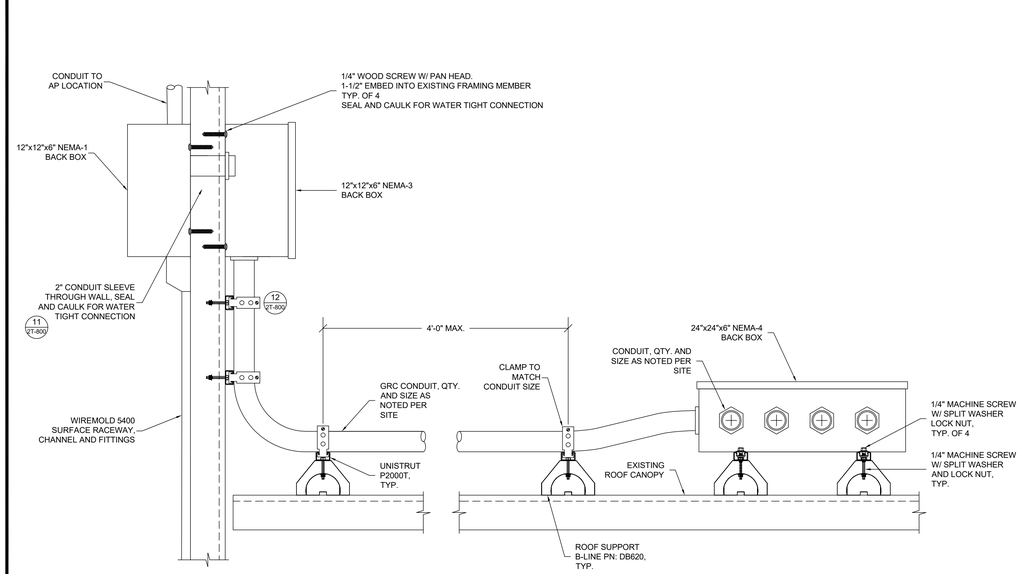


8 GROUND BUS BAR DETAIL
SCALE: NONE



NOTES:
1. TOTAL LOAD CAPACITY = 350.09 LBS.

12 TELECOMMUNICATIONS WALL CABINET, 26RU
SCALE: NONE



1 EXTERIOR CANOPY CONDUIT AND BACK BOX MOUNTING DETAIL
SCALE: NONE

DATE PLOTTED: 10/1/2024 5:02:54 PM
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ANTHONY KAGERUKA
Signature
EXPIRES: 12/31/24
Regis. No.163629

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MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

TECHNOLOGY INFRASTRUCTURE DETAILS

INCREMENT: INC.2

DRAWN BY: CS/SD JOB NUMBER: 23120.01

SHEET NO.

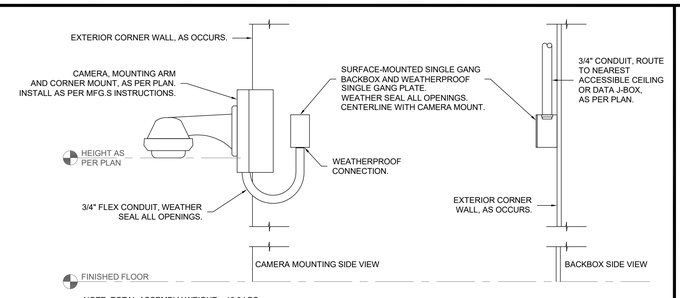
2T-800

DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

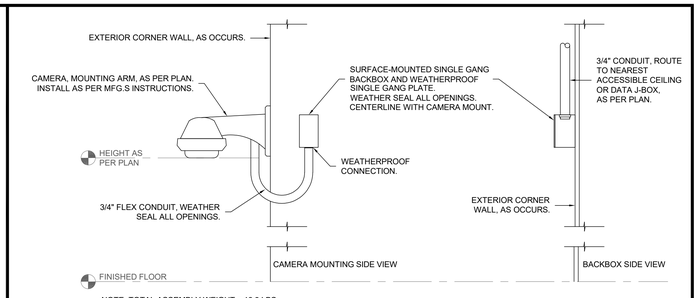
NOT USED

NOT USED



NOTE: TOTAL ASSEMBLY WEIGHT = 18.8 LBS.

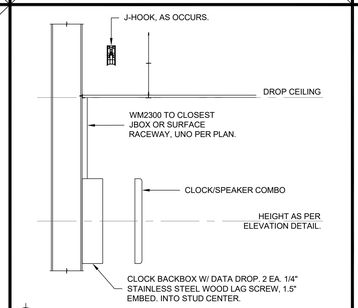
9 MULTI-VIEW CCTV EXTERIOR CORNER MOUNTING DETAIL
SCALE: NONE



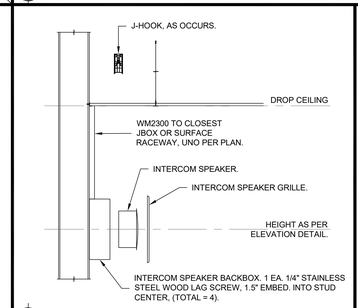
NOTE: TOTAL ASSEMBLY WEIGHT = 18.8 LBS.

4 MULTI-VIEW CCTV EXTERIOR WALL MOUNTING DETAIL
SCALE: NONE

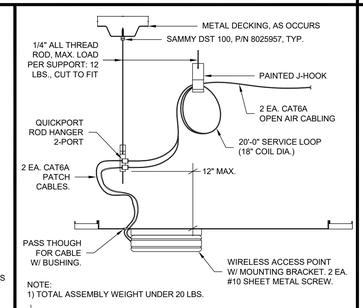
NOT USED



10 SURFACE MOUNTED CLOCK/SPEAKER COMBO DETAIL
SCALE: NONE

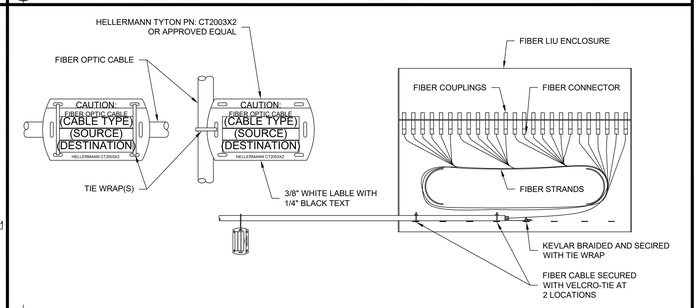


8 SURFACE MOUNTED INTERIOR INTERCOM SPEAKER DETAIL
SCALE: NONE



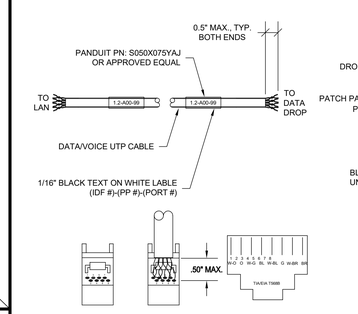
NOTE:
1) TOTAL ASSEMBLY WEIGHT UNDER 20 LBS.

6 WIRELESS ACCESS POINT ON METAL T-BAR CEILING MOUNTING DETAIL
SCALE: NONE

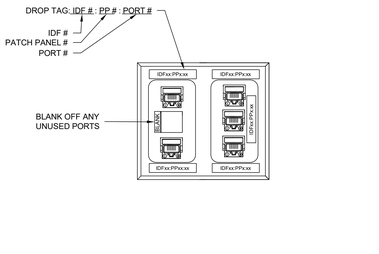


3 FIBER LIU DETAIL W/ FIBER OPTIC CABLE LABELING (ABV./BELOW GROUND)
SCALE: NONE

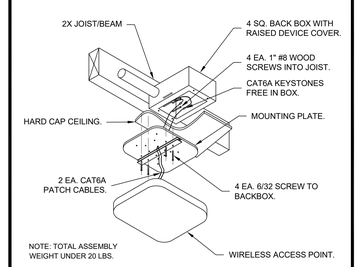
NOT USED



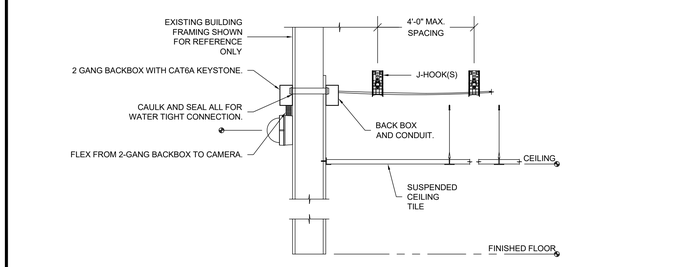
DATA CABLE LABELING DETAIL - AT PATCH PANEL / END POINT



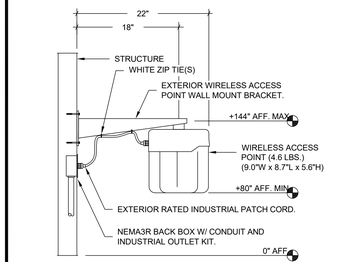
DATA/ VOICE BACKBOX AND FACE PLATE DETAIL



5 WAP MOUNTING AT HARD CAP CEILING DETAIL - CONDUIT
SCALE: NONE

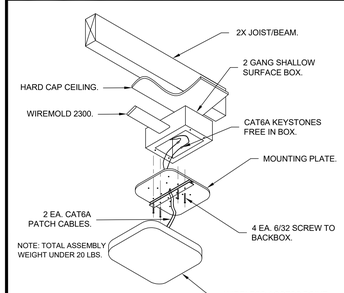


2 CCTV EXTERIOR WALL MOUNTING DETAIL
SCALE: NONE

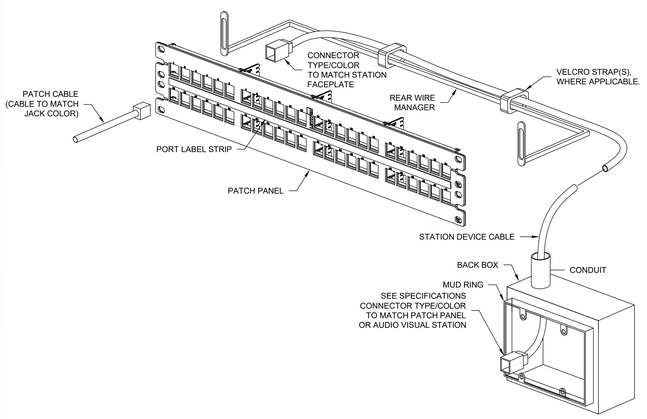


NOTE:
1) ASSEMBLY DOES NOT EXCEED 20 LBS.

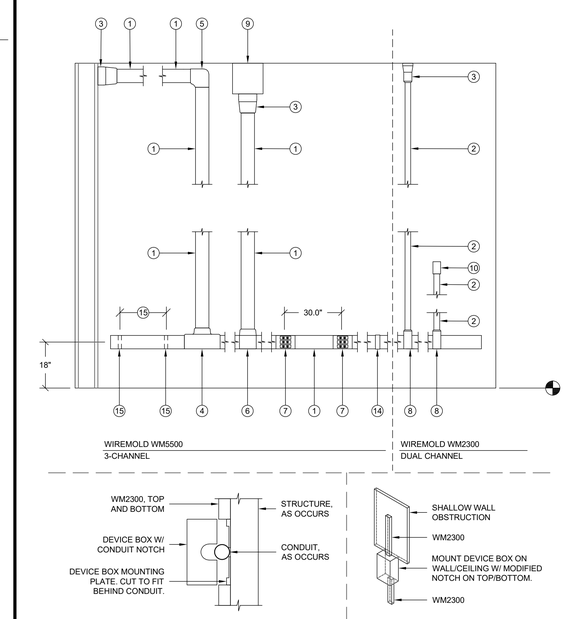
12 EXTERIOR WALL MOUNTED WIRELESS ACCESS POINT DETAIL
SCALE: NONE



11 WAP MOUNTING AT HARD CAP CEILING DETAIL - SURFACE RACEWAY
SCALE: NONE



7 PATCH PANEL CONNECTION DETAIL - 2RU
SCALE: NONE



1 TYPICAL SURFACE MOUNTED RACEWAY W/ ASSEMBLY COMPONENTS DETAIL
SCALE: NONE

WIREMOLD SURFACE RACEWAY

SYMBOL	DESCRIPTION	WM5500 PART NUMBER	WM2300 PART NUMBER
1	WIREMOLD WM5500	5500	N/A
2	WIREMOLD WM2300	N/A	2300
3	ENTRANCE END FITTING	5510D	2310A
4	FULL CAPACITY TEE (FIBER READY)	N/A	N/A
5	FULL CAPACITY FLAT ELBOW 90°	5511F0	2311DFO
6	TEE	5515	2315
7	DEVICE BRACKET W/ DUAL RJ FACEPLATE, DUPLEX FACEPLATE OR BLACK FACEPLATE AS NEEDED	5550 / 5507FRJ / 5507D / 5507B	5474 / 5574
8	TRANSITION FITTING FOR WM2300	5574	2348
9	WALL MOUNTED PULL BOX SIZE AS NOTED PER PLAN	N/A	2300
10	DEVICE BOX	N/A	2348
11	END CAP	5510	2310B
12	INTERNAL ELBOW	5517FO	2317DFO
13	EXTERNAL ELBOW	5518FO	2318DFO
14	BASE SEAM COVER	5506	2306
15	WIRE CLIP	5500WC (INSTALL CLIPS AT 48" O.C. ENTIRE LENGTH OF WIREMOLD)	2300WC (INSTALL CLIPS AT 48" O.C. ENTIRE LENGTH OF WIREMOLD)
16	TRANSITION FITTING FOR WM5500 TO WM5400	5574A	N/A

NOTE:
1) DEVICE BOX (10) TO BE USED TO TRANSITION OVER CONDUIT AND SHALLOW WALL OBSTRUCTIONS (I.E. BULLETIN BOARD, TRIM, CASEWORK, ETC.) WHERE REQUIRED. UNDER NO CIRCUMSTANCES SHOULD SURFACE RACEWAY BE BENT OVER OBSTRUCTIONS.

AGENCY APPROVAL DSA# 01-121407

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# NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

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SHEET TITLE

TECHNOLOGY INFRASTRUCTURE DETAILS

INCREMENT: INC.2

DRAWN BY: CS/SD JOB NUMBER: 23120.01

SHEET NO.

2T-801

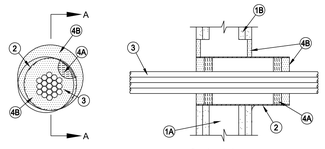
DATE: OCTOBER 09, 2024

CONSTRUCTION DOCUMENT

DATE PLOTTED: 10/1/2024 5:02:54 PM FILE LOCATION: C:\Users\dvargas\Documents\23044 _MTUSD_ IT Network Design 13 Sites_A22_dvargasTH8BX.rvt

Classified by
Underwriters Laboratories, Inc.
to ANSI/UL 1479 (ASTM E814) and CAN/ULC S115 **System No. W-L-3210**

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 - 3/4 Hr	FT Rating - 3/4 Hr
	FH Ratings - 1 and 2 Hr (See Item 1)
	FTH Rating - 3/4 Hr



Section A-A

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 specified in the individual U300, U400 or V400 Series Wall and Partition Designs 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. (76 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* - 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 6-1/2 in. (165 mm) when sleeve (Item 2) is installed. Max diam of opening is 4 in. (102 mm) when sleeve is not used.
   The hourly F rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
2. Steel Sleeve - (Optional) - Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT), steel conduit, Schedule 5 (or heavier) steel pipe sleeve or min 0.016 in. thick (0.41 mm, No. 28 ga) galv steel sleeve installed flush with wall surfaces. The annular space between the steel sleeve and periphery of opening shall be min 0 in. (continuous point contact) to max 2 in. (51 mm). When Schedule 5 steel pipe or EMT is used, sleeve may be installed flush with or extend up to 18 in. (46 cm) beyond one or both wall surfaces. Steel sleeve may be installed at an angle not greater than 45 degrees from perpendicular. Schedule 5 steel pipe or EMT sleeves may extend continuously beyond one wall surface. Sleeve to be rigidly supported when extending from the wall surfaces.

3. Cables - Aggregate cross-sectional area of cables in steel sleeve to be max 48 percent of the aggregate cross-sectional area of the opening or sleeve. Cables to be bundled and rigidly supported on both sides of wall assembly. When the sleeve (Item 2) is installed, the annular space between the cables and the sleeve shall be min 0 in. (point contact) to max 1-1/2 in. (38 mm). When the sleeve (Item 2) is not used, the annular space between the cables and the opening shall be a min 0 in. (point contact) to a max 1/2 in. (13 mm). Cable bundle, using cables described below, may penetrate the wall at an angle not greater than 45 degrees. Any combination of the following types and sizes of copper conductor cable may be used:
   A. Max 200 pair No. AWG (or smaller) copper conductor cable with polyvinyl chloride (PVC) or plenum-rated jacketing and insulation.
   B. Max 3/C No. 2/0 AWG (or smaller) aluminum or copper conductor service entrance cable with PVC insulation and jacket.
   C. Max 3/C No. 8 AWG (or smaller) nonmetallic sheathed (Romex) cable with copper conductors, PVC insulation and jacket.
   D. Max 7/C No. 2/0 AWG (or smaller) multiconductor power and control cables with XLPE or PVC insulation and XLPE or PVC jacket.
   E. Max RG/U (or smaller) coaxial cable with fluorinated ethylene or plenum-rated insulation and jacketing.
   F. Max 62.5/48 fiber optic cable with PVC or plenum-rated insulation and jacketing.
   G. Max 4 pair No. 24 AWG (or smaller) copper conductor data cable with PVC or plenum-rated insulation and jacket.
   H. Max 4/C No. 2/0 aluminum or copper conductor aluminum or steel Metal-Clad® or Armored-Clad® cable.
   I. Max ¾-in. (19 mm) copper ground cable with or without a PVC jacket.
4. Firestop System - The firestop system shall consist of the following:
   A. Packing Material - When required (See table in Item 4B), min 1 in. (25 mm) thickness of min 4.0 pcf (64 kg/m3) mineral wool batt insulation firmly packed into each end of sleeve as a permanent form. Packing material to be recessed from each end of sleeve as required to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material* - Sealant or Putty - Fill material applied to appropriate thickness within steel sleeve, flush with edges of steel sleeve on both surfaces of wall. Min 1/2 in. (13 mm) thickness of fill material installed into annular space between sleeve and wall flush with both surfaces of the wall. Min 1/2 in. (13 mm) diam bead of sealant or "rope" of putty shall be applied around the perimeter of the sleeve on each side of the wall when sleeve extends beyond surface of wall and is installed at continuous point contact. See table below for fill material thickness requirements around cables.

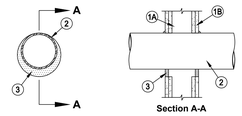
Sealant or Putty Type	Thickness, In. (mm)	Packing Material Required
SpecSeal Series SSS Sealant or LCI Sealant	1/2 in. (13)	Yes
SpecSeal Series SSS Sealant or LCI Sealant	1 in. (25)	No
SpecSeal Putty	1 in. (25)	No

SPECIFIED TECHNOLOGIES INC - SpecSeal Series SSS Sealant, SpecSeal LCI Sealant or SpecSeal Putty

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

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 Rating - 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 Rating - 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 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 U300 or U400 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 3-5/8 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 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 26 in. (660 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). For maximum 16 in. (406 mm) diam (or smaller) pipes, annular space 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 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing, nom 6 in. (152 mm) diam (or smaller) steel conduit or nom 1 in. (25 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.
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 the 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.

AGENCY APPROVAL DSA# 01-121407

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INCREMENT: INC.2

DRAWN BY: CS/SD JOB NUMBER: 23120.01

SHEET NO.
2T-802

DATE: OCTOBER 09, 2024

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