VENTURA HIGH SCHOOL STADIUM
PORTABLE TEAM ROOM
FOR
VENTURA UNIFIED DISTRICT

EVCS REQUIREMENTS

PROJECT INCLUDES PARKING LOT RECONFIGURATION AND IS NOT AN ALTERATION. NO EVCS REQUIRED AS PART OF PROJECT.

WORK EXEMPT FROM STRUCTURAL TESTS AND SPECIAL INSPECTIONS

THE ITEMS BELOW ARE EXEMPT FROM DSA REQUIREMENTS FOR STRUCTURAL TESTS AND SPECIAL INSPECTIONS AS INDICATED ON DSA FOR 103.

A. SOILS
- SEE DSA 103 FORM FOR SHALLOW FOUNDATIONS FOR NON-STRUCTURAL FLATWORK EXEMPT FROM INSPECTION.

B. CONCRETE
- SEE DSA 103 FORM FOR CONCRETE NOT REQUIRING BATCH PLANT INSPECTION.
  - INCLUDES SITE FABRICATED RAMPS AND CURBS
- SEE DSA 103 FORM FOR EPOXY SHEAR DOWELS EXEMPT FROM TESTING.
- SEE DSA 103 FORM FOR REINFORCING BARS EXEMPT FROM TESTING.

C. WELDING
- SEE DSA 103 FORM FOR SOLID-CLAD AND OPEN-MESH GATES EXEMPT FROM INSPECTION.
- SEE DSA 103 FORM FOR HANDRAILS, GUARDRAILS, AND MODULAR OR RELOCATABLE RAMPS EXEMPT FROM INSPECTION.
  - REQUIRED MATERIALS VERIFICATIONS AND INSPECTIONS PERFORMED AS PART OF STOCKPILE CONSTRUCTION AND NOT THIS SPECIFIC PROJECT.
- SEE DSA 103 FORM FOR MANUFACTURED COMPONENTS FOR MECHANICAL, ELECTRICAL, OR PLUMBING HANGER SUPPORT AND BRACING EXEMPT FROM INSPECTION.
- SEE DSA 103 FORM FOR ANY SUPPORT FOR EXEMPT NON-STRUCTURAL COMPONENTS EXEMPT FROM INSPECTION.

PROJECT TEAM

CLIENT
VENTURA UNIFIED SCHOOL DISTRICT
255 WEST STANLEY AVENUE #100
VENTURA, CA 93108
T. 805.485.3111

RYAN HUGHES
BOND FACILITIES PLANNER
T. 805.901.9620

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TYSON CLINE, PRINCIPAL IN CHARGE

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CIVIL
ENCOMPAS CONSULTING GROUP
333 N LANTANA ST STE 287
CAMARILLO, CA 93010
GLEN PACE, PE
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RELOCATABLE BUILDING NOTES

1. THE ARCHITECT CERTIFIES THAT THE BUILDING CONFORMS TO THE ORIGINAL DSA-APPROVED PLANS AND SPECIFICATIONS AND HAS NOT SUFFERED STRUCTURAL DETERIORATION OR BEEN STRUCTURALLY ALTERED.
2. THE ARCHITECT CERTIFIES THAT THE PC STRUCTURES WERE DESIGNED FOR THE CLIMATE ZONE WHERE THEY ARE TO BE INSTALLED.
3. IF ANY CONDITION IS DISCOVERED WHICH, IF LEFT UNCORRECTED, WOULD MAKE THE BUILDING NON-COMPLIANT WITH THE REQUIREMENTS OF THE EDITION OF THE CBC IN FORCE AT THE TIME OF ORIGINAL CONSTRUCTION, THE CONDITION MUST BE CORRECTED IN ACCORDANCE WITH CURRENT CODE REQUIREMENTS. A CONSTRUCTION CHANGE DOCUMENT (CCD TYPE A), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.
4. THE FOLLOWING DOCUMENTS SHALL BE ON THE JOBSITE PRIOR TO INSTALLATION OF THE UNIT(S), INCLUDING THE SERIAL NUMBER FOR EACH UNIT:
   A. IN-PLANT VERIFIED REPORT
   B. LABORATORY VERIFIED REPORT
   C. WELDING VERIFIED REPORT

   THE PROJECT INSPECTOR ON SITE SHALL VERIFY THE ABOVE DOCUMENTS ARE APPLICABLE TO EACH UNIT PRIOR TO INSTALLATION OF THE UNIT(S). NOTIFY THE ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT FIELD ENGINEER IF ANY DISCREPANCIES OCCUR.

WILDFIRE HAZARD

PROJECT IS LOCATED IN A HIGH FIRE SEVERITY HAZARD ZONE OF THE WILDLAND URBAN INTERFACE (WUI). RELOCATABLE BUILDINGS TO BE MODIFIED TO COMPLY WITH CHAPTER 7 A OF THE CALIFORNIA BUILDING CODE. REFER TO MODULAR CLASSROOM DRAWINGS FOR MORE INFORMATION.

MODIFICATIONS TO MODULAR CLASSROOM BUILDINGS TO BE MADE BOTH OFF AND ON-SITE. THEREFORE CLASS 3 PROJECT INSPECTOR IS CALLED FOR IN DSA PROJECT INSPECTOR NOTE THIS SHEET.

MATERIALS INSTALLED BY SITE CONTRACTOR TO BE NON-COMBUSTIBLE AND COMPLY WITH CHAPTER 7 A OF THE CALIFORNIA BUILDING CODE.

GENERAL DSA NOTES

1. ALL WORK SHALL BE CONFORM TO TITTLE 24 CALIFORNIA CODE OF REGULATIONS (CCR).
2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY THE ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1 TITTLE 24, CCR.
3. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROADS AND ACCESS REQM'TS & ENVIROMENTAL HEALTH CONSIDERATIONS SHALL COMPLY W/ ALL LOCAL ORDINANCES.
4. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR)
5. TITLE 24, PARTS 1-5 AND 9 MUST BE KEPT ON SITE DURING CONSTRUCTION.
6. WHENEVER DSA FINDS ANY CONSTRUCTION WORK IS BEING PERFORMED IN A MANNER CONTRARY TO THE PROVISIONS OF 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).

INSPECTOR OF RECORD

1. DSA CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. THE PROJECT INSPECTOR SHALL BE CERTIFIED BY DSA TO INSPECT CLASS III MINIMUM CONTRUCTION.
2. THE PROJECT INSPECTION (PI) SHALL WITNESS AND VERIFY GROUNDING.

LABORATORY OF RECORD

A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SCHOOL BOARD SHALL CONDUCT ALL REQUIRED TESTS & INSPECTIONS FOR THE PROJECT.

APPLICABLE CODE OF REGULATIONS

CONSTRUCTION SHALL COMPLY WITH THE RELEVANT PORTIONS OF FOLLOWING PARTS OF THE TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS (CCR):

2022 CALIFORNIA BUILDING STANDARDS CODE C.C.R. TITLE 24:
- 2022 CALIFORNIA ADMINISTRATIVE CODE, C.C.R. TITLE 24 PART 1
- 2022 CALIFORNIA BUILDING CODE (CBC), C.C.R. TITLE 24 PART 2
- 2022 CALIFORNIA ELECTRICAL CODE (CEC), C.C.R. TITLE 24 PART 3
- 2022 CALIFORNIA MECHANICAL CODE (CMC), C.C.R. TITLE 24 PART 4
- 2022 CALIFORNIA PLUMBING CODE (CPC), C.C.R. TITLE 24 PART 5
- 2022 CALIFORNIA ENERGY CODE, C.C.R. TITLE 24 PART 6
- 2022 CALIFORNIA HISTORICAL CODE, C.C.R. TITLE 24 PART 8
- 2022 CALIFORNIA FIRE CODE, C.C.R. TITLE 24 PART 9
- 2022 CALIFORNIA EXISTING BUILDING CODE, C.C.R. TITLE 24 PART 10
- 2022 CALIFORNIA GREEN BUILDING STDS CODE, C.C.R. TITLE 24 PART 11
- 2022 CALIFORNIA REFERENCED STANDARDS CODE, C.C.R. TITLE 24 PART 12

TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

GEOHAZARD REPORT

PER DSA **IR A-4 PARAGRAPH 3.3** A GEOHAZARD REPORT IS NOT REQUIRED.

DEFFERRED APPROVALS

NONE.

ARCHITECT'S STATEMENT OF GENERAL CONFORMANCE

DSA IR A-18
8/27/24

☒ ALL DRAWING SHEETS INCLUDED IN THIS SET NOT BEARING MY STAMP AND SIGNATURE.

☐ DRAWINGS SHEETS DENOTED IN THE SHEET INDEX AS FOLLOWS:

_____

☐ DRAWING SHEETS INCLUDED UNDER THE FOLLOWING PC APPROVAL(S):

_____

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND AUTHORIZED TO PREPARE SUCH DRAWINGS (PLANS IN THE STATE. THEY HAVE BEEN EXAMINED BY ME FOR:

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

PER TITLE 24, PART 1, SECTION 4-317 [b] THIS STATEMENT OF GENERAL CONFORMANCE SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344 of TITLE 24, PART 1.

SIGNATURE — DATE: 9/26/2024

ARCHITECT IN RESPONSIBLE CHARGE: TYSON CLINE
LICENSE NUMBER: C-34436
EXPIRATION DATE: 1-31-2025

PROJECT DESCRIPTION

SCOPE OF WORK IN CONTRACT

A. SITE CONTRACTOR:
   a. PROVIDE EROSION CONTROL
   b. RESTRIPE PARKING LOT AS INDICATED AND INSTALL SIGNAGE AND MODIFY DETECTABLE WARNING TO RELOCATE (E) ACCESSIBLE PARKING (A#03-111301) AND PROVIDE ACCESSIBLE AISLES.
   c. PROVIDE BOLLARDS
   d. PROVIDE UTILITIES TO BUILDING.
   e. PROVIDE FIRE ALARM SYSTEM.
   f. PROVIDE GUTTER AND DOWNSPOUT.
   g. PROVIDE FENCING.
   h. PROVIDE PAINTING
      - BUILDING ACCENTS
      - BOLLARDS
      - SEE STRIPING
   i. PROVIDE RETROFIT OF EXISTING ACCESSIBLE RAMPS
      - GUARD RAIL RETROFIT
      - NON-COMPLIANT SLOPES - REPLACE CONCRETE WALK
      - RECONFIGURE BOTTOM RAMP RUN
   j. PROVIDE NEW SIGNAGE AND RELOCATE (E) DRINKING FOUNATIN GUARD AT EXISTING RESTROOM BUILDING

B. STOCKPILE COMPANY: INSTALL PORTABLE TEAM LOCKER ROOM BUILDING (A#04-117039 SN) WITH NEW RAMP (PC#122029 CBC 2022) AND WOOD FOUNDATIONS (PC#04-122170).
   a. MAKE W.U.I. IMPROVEMENTS (REF. SHEET A-2.0)
   b. INSTALL VAPOR BARRIER

PORTABLE BUILDING APPLICATION NUMBER HISTORY:
ORIGINAL CONSTRUCTION: PC#04-101055 SN: 38975/76
MODIFIED TO BE A TEAM LOCKER ROOM: A#04-117039 SN: 38975/76 CERTIFIED #1

PORTABLE BUILDING INSTALLATION APPLICATION NUMBER HISTORY:
RETURNED TO STOCKPILE 42 A#04-117039 SN: 38975/76 CERTIFIED #1

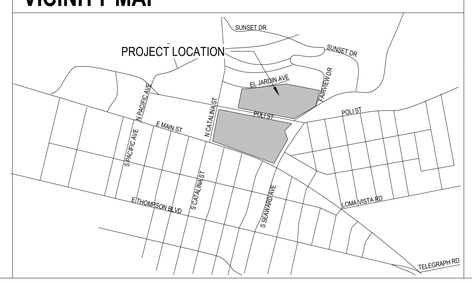
SITE STRUCTURAL DESIGN DATA

SITE WIND DESIGN DATA (**CBC 1603A.1.4**)
V = 93 MPH (CBC 1609A.3 FIGURE (1))
V_{ASD} = 77 MPH (CBC 1609A.3.1)
RISK CATEGORY = II
WIND EXPOSURE = C
EARTHQUAKE DESIGN DATA (**CBC 1603A.1.5**)
RISK CATEGORY = II
SEISMIC IMPORANCE FACTOR I_e = 1.00
S_S = 1.982g
S_1 = 0.746g
SITE CLASS = D (DEFAULT)
S_{DS} = 1.586g
SEISMIC DESIGN CATEGORY = E
GEOTECHNICAL INFORMATION (**CBC 1603A.1.6**)
SOIL LOAD-BEARING VALUE = 1,500 PSF (**CBC TABLE 1806A.2**)
GEOTECHNICAL REPORT NOT REQUIRED PER **DSA IR A-4 PARAGRAPH 3.3**

FLOOD HAZARD MAP

FLOOD ZONE DESIGNATION: ZONE X
FIRM PANEL: 06111C0774ZF
EFFECTIVE DATE: 1-29-2021
BASE FLOOD ELEVATION: 0'-0"
COMMUNITY ORDINANCE: VENTURA COUNTY, CA

VICINITY MAP



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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
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www.RNTarchitects.com

LICENSED ARCHITECT — TYSON CLINE — No. C-34436 — REN. 1-31-25 — STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

VENTURA HIGH SCHOOL PORT. TEAM ROOM

2 N CATALINA STREET, VENTURA, CA 93001

DSA SUBMITTAL
DSA A# 03-124683
DSA File No.: 56-H7

No.	Description	Date

Sheet Name

GENERAL PROJECT INFORMATION

RNT Project No.	1023.00
Date	9/24/2024
Drawn by	CY
Checked by	TC

Sheet Number

T-1.0

Autodesk Docs://1032 - VUSD Portable Athletic Bldg Ventura HS/1023 VUSD VHS Port Team Room - rvt22.rvt
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DEMOLITION NOTES

1. IDENTIFY ALL DAMAGED ELEMENTS DESIGNATED TO REMAIN OR BE RELOCATED. REQUEST CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH DEMOLITION WORK.
2. GENERAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND VERIFYING DEMOLITION PLANS IN RELATION TO CONSTRUCTION DRAWINGS. CONTRACTOR SHALL VERIFY AND COORDINATE THE EXTENT OF DEMOLITION WORK WITH NEW WORK. THE ARCHITECT SHALL BE NOTIFIED OF ANY AND ALL CONFLICTS, DISCREPANCIES OR PROBLEMS.
3. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO DEMOLITION. THE CONTRACTOR SHALL BEWARE OF POTENTIAL HAZARDS FROM DEMOLITION WORK NEAR UTILITIES. PIPES AND CONDUIT ENCOUNTERED IN DEMOLISHED PARTITIONS AND AREAS WHICH ARE TO REMAIN IN USE SHALL BE RE-ROUTED AND CONCEALED. THOSE WHICH ARE TO BE ABANDONED SHALL BE CAPPED AND CONCEALED IN FLOOR, WALL OR CEILING.
4. THE CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK REQUIRED INCLUDING THE REMOVAL AND PROPER DISPOSAL OF ALL DEBRIS, BROKEN CONCRETE, ETC., FROM THE SITE. PROPER SHORING SHALL BE EXECUTED FOR THE SAFETY OF THE STRUCTURE AND WORKMEN.
5. THE OWNER SHALL HAVE FIRST RIGHTS OF REFUSAL FOR ALL DEMOLISHED MATERIALS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM DEMOLITION AT NO ADDITIONAL COST TO THE OWNER. THE GENERAL CONTRACTOR SHALL BE EXTREMELY CAREFUL TO PROTECT AND NOT TO DAMAGE ANY PORTION OF EXISTING INSTALLATION NOT BEING REMOVED. ANY EXISTING FACILITIES INDICATED TO REMAIN WHICH ARE SO DAMAGED SHALL BE REPLACED EQUAL TO ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER.
7. CUT EXISTING PORTIONS OF WALLS, FLOORS, CEILINGS, ETC., WHERE INDICATED AND AS NECESSARY FOR NEW WORK. UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER SHALL BE CUT, NEITHER DRILLED NOR NOTCHED, WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER, THE ARCHITECT AND THE AUTHORITY HAVING JURISDICTION.
8. ALL TRADES CONCERNED SHALL COORDINATE EACH OTHER'S WORKS PRIOR TO AND DURING DEMOLITION.
9. ANY PROJECTING OR SURFACE-MOUNTED ITEMS BEING ABANDONED SHALL BE REMOVED, CAPPED AND CONCEALED BEHIND FINISHED SURFACES, UNLESS OTHERWISE NOTED. PATCH AND FINISH TO MATCH EXISTING ADJACENT SURFACE.
10. SURFACES WHERE MATERIAL IS REMOVED TO INSTALL NEW WORK OR TO RECEIVE NEW FINISH SHALL BE REPAIRED AND PATCHED TO MATCH ORIGINAL CONDITIONS. RETEXTURE AND REPAINT WALL OR CEILING WHERE PATCHED TO MATCH EXISTING, WITH NO EVIDENCE THAT PATCH HAS OCCURRED.
11. ALL EXISTING AREAS TO REMAIN OR NEW CONSTRUCTION WORK THAT ARE DAMAGED SHALL BE PATCHED AS REQUIRED TO MATCH EXISTING ADJACENT AREA IN MATERIAL, FINISH AND COLOR, UNLESS OTHERWISE NOTED.
12. ALL EQUIPMENT AND MATERIAL WHICH ARE IN OPERATING CONDITION WHEN REMOVED SHALL BE MAINTAINED AS SUCH AND RETURNED TO THE OWNER OR TO BE REINSTALLED WHERE INDICATED. PROPERLY RECONNECT EQUIPMENT TO RESUME OPERATION.
13. CAREFULLY & THOROUGHLY SURVEY EXISTING IRRIGATION SYSTEMS AT AREAS OF TRENCHING PRIOR TO BEGINNING SUCH WORK. MEET WITH OWNER MAINTENANCE STAFF TO COORDINATE SHUT-OFF AT AREAS OF WORK. REPAIR ALL IRRIGATION DAMAGED AS A RESULT OF DEMOLITION & NEW WORK TO ORIGINAL FUNCTIONING CONDITION.
14. ALL TRENCHING OPERATIONS SHALL BE PERFORMED WITH A SPOTTER. SPOTTER SHALL CONTINUOUSLY OBSERVE EXCAVATIONS TO LOCATE IRRIGATION LINES, CONDUITS AND ANY OTHER UTILITIES OR SUBTERRANEAN EQUIPMENT. ANY ITEMS ENCOUNTERED SHALL BE EXCAVATED BY HAND. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY IRRIGATION, UTILITIES, OR OTHER ITEMS DAMAGED AS A RESULT OF EXCAVATION.
15. THE GENERAL CONTRACTOR SHALL BE EXTREMELY CAREFUL TO PROTECT AND NOT TO DAMAGE ANY PORTION OF THE EXISTING INSTALLATION NOT BEING REMOVED

GREEN BUILDING NOTES

FINISH MATERIAL POLLUTANT CONTROL

1. FINISH MATERIALS SHALL COMPLY WITH CALGREEN SECTIONS 5.714.4.4.1 THROUGH 5.714.4.4.4.5.714.4.4.1 ADHESIVES, SEALANTS AND CAULKS. ADHESIVES, SEALANTS AND CAULKS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS OF THE FOLLOWING STANDARDS.
   - A. 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 IN DIVISION 5.5. 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 B, BELOW.
   - B. 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 CALGREEN SECTION 94507.
2. 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 IN DIVISION 5.5,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 TABLE5.504.4.3, SHALL BE DETERMINED BY CLASSIFYING THE COATING AS A FLAT, NON FLAT OR NON FLAT-HIGH GLOSS COATING, BASED ON ITS GLOSS, AS DEFINED IN SUBSECTIONS 4.21, 4.36 AND 4.37OF THE 2007 CALIFORNIA AIR RESOURCES BOARD, SUGGESTED CONTROL MEASURE, AND THE CORRESPONDING FLAT, NON FLAT, OR NON FLAT-HIGH GLOSS VOC LIMIT IN TABLE 5.504.4.3 SHALL APPLY.
   - A. AEROSOL PAINTS AND COATINGS. AEROSOL PAINTS AND COATINGS SHALL MEET THE PRODUCT-WEIGHTED MIR 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 SECTION94520; 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.
   - B. 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. MANUFACTURERS PRODUCT SPECIFICATION
     2. FIELD VERIFICATION OF ON-SITE PRODUCT CONTAINERS
3. CARPET SYSTEMS. ALL CARPET INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE TESTING AND PRODUCT REQUIREMENTS OF ONE OF THE FOLLOWING:
   - A. CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM
   - B. 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 SPECIFICATION 01350)
   - C. NSF/ANSI 140 AT THE GOLD LEVEL OR HIGHER
   - D. SCIENTIFIC CERTIFICATIONS SYSTEMS SUSTAINABLE CHOICE
4. CARPET CUSHION. ALL CARPET CUSHION INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE REQUIREMENTS OF THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM.
5. CARPET ADHESIVE. ALL CARPET ADHESIVE SHALL MEET THE REQUIREMENTS OF TABLE 5.504.4.1 IN DIVISION 5.5.
6. 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 FOR COMPOSITE WOOD (17 CCR 93120 ET SEQ.), BY OR BEFORE THE DATES SPECIFIED IN THOSE SECTIONS, AS SHOWN IN TABLE 5.504.4.5 IN DIVISION 5.5.
   - A. DOCUMENTATION. VERIFICATION OF COMPLIANCE WITH THIS SECTION SHALL BE PROVIDED ASREQUESTED BY THE ENFORCING AGENCY. DOCUMENTATION SHALL INCLUDE AT LEAST ONE OF THE FOLLOWING.
     1. PRODUCT CERTIFICATIONS AND SPECIFICATIONS
     2. CHAIN OF CUSTODY CERTIFICATIONS
     3. PRODUCT LABELED AND INVOICED AS MEETING THE COMPOSITE WOOD PRODUCTS REGULATION (SEE CCR, TITLE 17, SECTION 93120, ET SEQ.)
     4. EXTERIOR GRADE PRODUCTS MARKED AS MEETING THE PS-1 OR PS-2 STANDARDS OF THE ENGINEERED WOOD ASSOCIATION, THE AUSTRALIAN AS/NZS 2269 OR EUROPEAN 636 3S STANDARDS
     5. OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY
7. RESILIENT FLOORING SYSTEMS. FOR 50 PERCENT OF FLOOR AREA RECEIVING RESILIENT FLOORING, INSTALL RESILIENT FLOORING COMPLYING WITH THE VOC-EMISSION LIMITS DEFINED IN THE 2009 COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS (CHPS) CRITERIA AND LISTED ON ITS HIGH PERFORMANCE DATABASE; PRODUCTS COMPLIANT WITH CHPS CRITERIA CERTIFIED UNDER THE GREENGUARD CHILDREN & SCHOOLS PROGRAM; CERTIFIED UNDER THE RESILIENT FLOOR COVERING INSTITUTE (RFCI) FLOOR SCORE PROGRAM; OR MEET CALIFORNIA DEPARTMENT OF PUBLIC HEALTH 2010 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 SPECIFICATION01350.)
   - A. VERIFICATION OF COMPLIANCE. DOCUMENTATION SHALL BE PROVIDED VERIFYING THAT RESILIENT FLOORING MATERIALS MEET THE POLLUTANT EMISSION LIMITS.

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THAT ALL WORKMANSHIP, MATERIALS AND CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE APPLICABLE CODES AND FEDERAL REQUIREMENTS AND REGULATIONS.
2. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL DIMENSIONS PRIOR TO SUBMITTING A BID. THE CONTRACTOR IS ALSO RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS.
3. VERIFY ALL EXISTING CONDITIONS, GRADES, ELEVATIONS AND DIMENSIONS BEFORE STARTING WORK. THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY OR INCONSISTENCY.
4. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL EXISTING UTILITY SERVICES IN THE AREA TO BE EXCAVATED PRIOR TO THE BEGINNING OF EXCAVATION. THE CONTRACTOR SHALL PROTECT ALL UTILITY LINES AND SERVICE LINES TO REMAIN WHICH ARE ENCOUNTERED DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENFORCEMENT OF FEDERAL AND STATE OF CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REQUIREMENTS AND REGULATIONS.
6. DO NOT SCALE ANY DRAWINGS IN THIS SET. SUBMIT A REQUEST FOR INFORMATION TO THE ARCHITECT PRIOR TO BID IF A SPECIFIC DIMENSION IS NEEDED FOR ITS BID PREPARATION BUT IS NOT AVAILABLE IN THE CONTRACT DOCUMENTS.
7. ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS AND DETAILS. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
8. ALL OMISSIONS AND CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY BEFORE PROCEEDING WITH ANY WORK SO INVOLVED. NO CHANGES ARE TO BE MADE UNLESS THE ARCHITECT AND THE OWNER ARE NOTIFIED IN WRITING AND APPROVE SUCH A CHANGE ACCORDING TO THE CONTRACT.
9. THE ARCHITECT IS NOT RESPONSIBLE FOR ASBESTOS ABATEMENT.
10. PROVIDE BACKING AT ALL INDICATED LOCATIONS OF FIXTURES, SIGNS, HANDRAILS, ETC.
11. TRADE NAMES AND MANUFACTURERS REFERRED TO ARE FOR QUALITY STANDARDS ONLY. SUBSTITUTIONS WILL BE PERMITTED AS APPROVED BY THE OWNER AND THE ARCHITECT ONLY UPON SUBMITTAL, AND FOR A LIMITED PERIOD.
12. ITEMS SHOWN AS N.I.C. ON PLANS REQUIRE COOPERATION BY THE CONTRACTOR WITH THE OWNER'S THIRD PARTY INSTALLER A, COOPERATION AND COLLATERAL WORK. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF SUPPORT INFRASTRUCTURE FOR N.I.C. EQUIPMENT.
13. CONTRACTOR SHALL VERIFY MINIMUM 2% SITE DRAINAGE TO DRAINAGE INLETS. EXCEPTION: CROSS SLOPE OF ACCESSIBLE PATH OF TRAVEL SHALL BE 2% MAXIMUM.
14. CONTRACTOR SHALL ENSURE ALL FINISH MATERIALS WILL BE FLUSH WHERE NEW FINISH SURFACE MATERIALS JOIN EXISTING TO PROVIDE SMOOTH TRANSITION.
15. CONTRACTOR ACKNOWLEDGES THAT DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE TO REPRESENT THE INTENT OF THE WORK TO BE ACCOMPLISHED. CONTRACTOR IS TO INSTALL MATERIALS AND SYSTEMS WITH EXPERIENCED SKILLED CRAFTSMEN WHO WILL BE RESPONSIBLE FOR THE INTEGRITY OF THEIR RESPECTIVE WORK. NOT EVERY DETAIL OF EACH CONDITION IS DRAWN. CONTRACTOR AND SUB-CONTRACTOR ARE RESPONSIBLE FOR COMPLETE WORKMANLIKE INSTALLATION OF ALL MATERIALS AND SYSTEMS AND WILL NEED TO PROVIDE ADDITIONAL DETAILS FOR INSTALLATION BASED ON GENERAL INFORMATION SHOWN. FOR INSTANCE, NOT EVERY WATERPROOFING OR FLASHING DETAIL FOR EVERY CONDITION IS SHOWN. CONTRACTOR IS TO PROVIDE DETAILS AND INSTALLATION FOR A COMPLETE WATERTIGHT INSTALLATION.
16. CHANGES TO THE DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT (DSA).
17. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
18. THE FINISH SURFACE OUTSIDE EVERY EXTERIOR DOOR SHALL SLOPE NO MORE THAN 2% IN ANY DIRECTION IN THE AREA EXTENDING 66" IN FRONT OF THE DOOR AND 30" ON EACH SIDE
19. PROVIDE WEATHERSTRIPPING, CAULKING, FLASHING, AND OTHER MATERIALS AND DETAILING AS SHOWN IN THE DRAWINGS AND AS NECESSARY TO ENSURE A WATERPROOF BUILDING ENVELOPE.
20. WORK SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 33 OF CBC & CFC," FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION"
21. FINAL CLEAN OF ENTIRE WORK AREA, INCLUDING WINDOWS MUST BE COMPLETE BY THE CONTRACTOR.

SIGNAGE NOTES

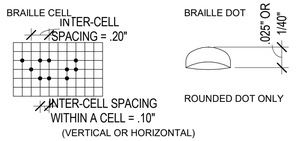
VERIFY ALL SIGN TEXT WITH ***DISTRICT*** PRIOR TO MANUFACTURING SIGNAGE.

1. ALL SIGNS (AT MAIN ENTRANCES, TOILETS, PERMANENT ROOMS AND ASSISTIVE LISTENING SYSTEM(S), ETC.) SHALL COMPLY WITH CBC SECTION 11B-216.

2. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO INDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS AS SET FORTH AND AS SPECIFICALLY REQUIRED IN THESE NOTES.

3. COLOR OF SYMBOL: THE SYMBOL SPECIFIED ABOVE SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595B.

4. BRAILLE SYMBOLS: CALIFORNIA CONTRACTED GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE SYMBOLS ARE SPECIFICALLY REQUIRED. ROUNDED OR DOMED DOTS, EACH DISTINCT AND SEPARATE, SHALL BE 1/10 INCH ON CENTER IN EACH CELL WITH 2/10 INCH SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCH ABOVE THE BACKGROUND.

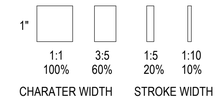


5. CHARACTER PROPORTION: VISUAL CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 10 PERCENT MINIMUM AND 20 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER. CBC 11B-703.2.

6. CHARACTER HEIGHT: CHARACTERS ON SIGNS REQUIRED TO BE ACCESSIBLE BY SECTION 11B-216.3. SHALL BE SIZED ACCORDING TO THE FOLLOWING TABLE. THE MINIMUM HEIGHT IS MEASURED USING AN UPPERCASE LETTER "I". LOWERCASE CHARACTERS ARE PERMITTED. VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CHARACTER AND AN OBSTRUCTION PREVENTING FURTHER APPROACH TOWARDS THE SIGN.

FOR SIGNS SUSPENDED OR PROJECTED ABOVE THE FINISH FLOOR IN COMPLIANCE WITH SECTION 11B-703.5.5, THE MINIMUM CHARACTER HEIGHT SHALL BE 3 INCHES.

TEMPLATE FOR CHECKING CHARACTER AND STROKE WIDTH TO HEIGHT PROPORTIONS:



7. FINISH AND CONTRAST OF SYMBOL: CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTER ON A LIGHT BACKGROUND. CONTRAST MUST BE A 70% MINIMUM. CHARACTERS AND BACKGROUND SHALL HAVE A NO-GLARE FINISH. CBC 11B-703.5.1

8. RAISED CHARACTERS AND PICTORIAL SYMBOL SIGNS. WHEN RAISED CHARACTERS OR SYMBOLS ARE USED, THEY SHALL CONFORM TO THE FOLLOWING:
   - A. TYPE: LETTERS AND NUMBERS ON SIGNS SHALL BE RAISED 1/32 INCH MINIMUM AND SHALL BE SANS-SERIF UPPERCASE CHARACTERS ACCOMPANIED CALIFORNIA CONTRACTED GRADE 2 BRAILLE (SEE NOTE 4).
   - B. SIZE: RAISED CHARACTERS OR SYMBOLS SHALL BE A MINIMUM OF 5/8 INCH HIGH AND A MAXIMUM OF 2 INCHES HIGH.
   - C. PICTORIAL SYMBOL SIGN (PICTOGRAMS): PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE A MINIMUM OF 6 INCHES IN HEIGHT.
   - D. CHARACTER PLACEMENT: CHARACTERS AND BRAILLE SHALL BE IN A HORIZONTAL FORMAT. BRAILLE SHALL BE PLACED A MINIMUM OF 1/8 INCH AND A MAXIMUM OF ½ INCH DIRECTLY BELOW THE TACTILE CHARACTERS; FLUSH LEFT OR CENTERED. WHEN TACTILE TEXT IS MULTI-LINED, ALL BRAILLE SHALL BE PLACED TOGETHER BELOW ALL LINES OF TACTILE TEXT.
   - E. PROPORTIONS: RAISED CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER.

9. ENTRANCE SIGNS: ALL BUILDING ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES SHALL BE IDENTIFIED WITH AT LEAST ONE STANDARD SIGN AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, TO BE VISIBLE TO PERSONS ALONG APPROACHING PEDESTRIAN WAYS.

10. INFORMATION POSTED: BUILDINGS THAT HAVE BEEN REMODELED TO PROVIDE SPECIFIC SANITARY FACILITIES AND/OR ELEVATORS FOR PUBLIC USE THAT CONFORM TO THESE BUILDING STANDARDS SHALL HAVE THIS INFORMATION POSTED IN THE BUILDING LOBBY, PREFERABLY AS PART OF THE BUILDING DIRECTORY.

11. MOUNTING LOCATION AND HEIGHT: WHERE PERMANENT IDENTIFICATION SIGNS ARE PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT. WHERE PERMANENT IDENTIFICATION SIGNAGE IS PROVIDED FOR ROOMS AND SPACES THEY SHALL BE LOCATED ON THE APPROACH SIDE OF THE DOOR AS ONE ENTERS THE ROOM OR SPACE. SIGNS THAT IDENTIFY EXITS SHALL BE LOCATED ON THE APPROACH SIDE OF THE DOOR AS ONE EXITS THE ROOM OR SPACE. SIGNS WITH RAISED CHARACTERS AND BRAILLE SHALL BE LOCATED 48 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASE LINE OF THE LOWEST LINE OF BRAILLE AND 60 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS. MOUNTING LOCATION SHALL BE DETERMINED SO THAT A PERSON MAY APPROACH WITHIN 3 INCHES OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.

ACCESS COMPLIANCE NOTES

WALKS AND SIDEWALKS

1. CONTINUOUS SURFACE: WALKS AND SIDEWALKS SUBJECT TO THESE REGULATIONS SHALL HAVE A CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2 INCH AND SHALL BE A MINIMUM OF 48 INCHES IN WIDTH. CROSS-SLOPES SHALL NOT EXCEED 2%. SLOPE IN DIRECTION OF TRAVEL SHALL NOT EXCEED 5%. CBC 11B-403.3. SURFACES SHALL BE SLIP-RESISTANT AS FOLLOWS: (SECTION 11B-302)
   - A. SLOPES LESS THAN 6 PERCENT: SURFACES WITH A SLOPE OF LESS THAN 6 PERCENT GRADIENT SHALL BE AT LEAST AS SLIP-RESISTANT AS DESCRIBED FOR A MEDIUM SALTED (MEDIUM BROOM) FINISH.
   - B. SLOPES 6 PERCENT OR GREATER: SURFACES WITH A SLOPE GREATER THAN 6 PERCENT GRADIENT SHALL BE SLIP-RESISTANT.
2. GRATINGS: WALKS, SIDEWALKS AND PEDESTRIAN WAYS SHALL BE FREE OF GRATINGS WHENEVER POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2 INCH (13 MM) IN THE DIRECTION OF TRAFFIC FLOW. (2010 ADA STANDARDS FOR ACCESSIBLE DESIGN 302.3)
3. CHANGES IN LEVEL: ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2 INCH. WHEN CHANGES IN LEVEL DO OCCUR, THEY SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1 UNIT VERTICAL IN 2 UNITS HORIZONTAL, EXCEPT THAT LEVEL CHANGES NOT EXCEEDING 1/4 INCH MAY BE VERTICAL. WHEN CHANGES IN LEVELS GREATER THAN 1/2 INCH ARE NECESSARY THEY SHALL COMPLY WITH THE REQUIREMENTS FOR RAMPS PER CBC 11B-405 OR CURB RAMPS PER CBC 11B-406.
4. WARNING CURBS: ABRUPT CHANGES IN LEVEL, EXCEPT BETWEEN A WALK OR SIDEWALK AND AN ADJACENT STREET OR DRIVEWAY, EXCEEDING 4 INCHES IN A VERTICAL DIMENSION, SUCH AS AT PLANTERS OR FOUNDATIONS LOCATED IN OR ADJACENT TO WALKS, SIDEWALKS OR OTHER PEDESTRIAN WAYS, SHALL BE IDENTIFIED BY CURBS PROJECTING AT LEAST 6 INCHES IN HEIGHT ABOVE THE WALK OR SIDEWALK SURFACE TO WARN THE BLIND OF A POTENTIAL DROP OFF. WHEN A GUARDRAIL OR HANDRAIL IS PROVIDED, NO CURB IS REQUIRED WHEN A GUIDE RAIL IS PROVIDED CENTERED 2 TO 4 INCHES ABOVE THE WALK OR SIDEWALK. (SECTION 11B-303.5)
5. PROVIDE A 60" X 60" LEVEL AREA WHERE A DOOR (OR GATE) SWINGS TOWARD THE WALK IN THE ACCESSIBLE ROUTE OF TRAVEL. EXTEND WALK A MINIMUM 24" BEYOND THE STRIKE EDGE OF ANY DOOR (OR GATE) THAT SWINGS TOWARDS THE WALK.
6. WALKS WITH CONTINUOUS GRADIENTS SHALL BE PROVIDED WITH LEVEL AREAS A MINIMUM 5'-0" LONG AT INTERVALS OF 400'-0" MAXIMUM PER SECTION 11B-403.7.
7. A 36" WIDE DETECTABLE WARNING MATERIAL SHALL BE PROVIDED AT BOUNDARIES BETWEEN WALKWAYS AND VEHICULAR WAYS. MATERIAL SHALL COMPLY WITH CRITERIA OF SECTIONS 11B-705.
8. COLOR YELLOW FOR DETECTABLE WARNING SURFACE SHALL CONFORM TO COLOR NO. 33538 PER FEDERAL STANDARD NO. 595C, EXCEPT AT CURB RAMPS, ISLANDS, OR CUT-THROUGH MEDIANS. (CBC SECTIONS 11B-705.1.1.5)
9. PROVIDE MINIMUM 5 YEAR WARRANTY FOR DETECTABLE WARNING SURFACE.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

Roesling Nakamura Terada Architects

Roesling Nakamura
Terada Architects

285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
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LICENSED ARCHITECT
TYSON CLINE
No. C-34436
REN. 1-31-25
STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

VENTURA HIGH SCHOOL PORT. TEAM ROOM

2 N CATALINA STREET, VENTURA, CA 93001

DSA SUBMITTAL

DSA A# 03-124683
DSA File No.: 56-H7

No.	Description	Date

Sheet Name

ARCH DRAWING INFO AND NOTES

RNT Project No.	1023.00
Date	9/24/2024
Drawn by	CY
Checked by	TC

Sheet Number

T-2.0

Autodesk Docs://1022 - VUSD Portable Athletic Bldg Ventura HS/1023 VUSD VHS Port Team Room - rvt22.rvt
All ideas, arrangements and plans indicated or represented by this drawing are owned by, and the property of, Roesling Nakamura Terada Architects, Inc., and were created, evolved, and developed for use on and in connection with the project. None of such ideas, arrangements, or plans shall be used by or disclosed to any person, firm, or corporation for any purpose whatsoever without the written permission of Roesling Nakamura Terada Architects, Inc.. Filing of these drawings or applications with any public agency is not a publication of same. No reproduction is therefore permissible without the written consent of RNT.

FIRE FLOW TEST

Ventura Water

FIREFLOW TEST DATA

PROJECT: _____ ASSESSOR'S PARCEL NUMBER: _____

PROJECT NUMBER: _____ DEVELOPER: Ventura Unified School District

FIRE DEPARTMENT: City of Ventura OBSERVERS: David M, Leon L

WATER PURVEYOR: Ventura Water FIRM: _____

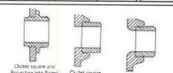
TEST	LOCATION	TIME			C	DIA. (in)	PRESSURES (psi)			FLOW RATES (gpm)	
		DATE	TIME	DAY			STATIC	PITOT	RESIDUAL	OBSERVED	ACTUAL at 20 psi
1	2295 El Jardin Ave.	9/10/24	9:05AM	Tuesday	90	2.5	79	35	65	992	2,157
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

The formula used to compute the discharge, Q, in gpm from these measurements is:

$Q = 29.83\ cd^2\sqrt{p}$

where c is the coefficient of discharge
d the diameter of the outlet in inches, and
p the velocity of the pressure in psi.

If flow tubes (stream straighteners) are being utilized, a coefficient of 0.95 if suggested unless the coefficient of the tube is known.



The formula which is generally used to compute the discharge at the specified residual pressure or for any desired pressure drop is:

$$Q_r = Q_t \times \frac{h_r^{0.54}}{h_t^{0.54}}$$

Q_r = flow available at desired residual pressure.
Q_t = flow during test
h_r = pressure drop to desired residual pressure
h_t = pressure drop during test

Return this completed test within 30 days of this date _____: Ventura Water • 336 Sanjon Rd, Ventura, CA 93001

VW-101 9/18

CITY OF VENTURA

FIRE PREVENTION DIVISION
VENTURA CITY FIRE DEPARTMENT
REVIEWED FOR CODE COMPLIANCE

9-18-2024
BY DATE

THE STAMPING OF THIS PLAN-SPECIFICATION-CALCULATION SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATION OF ANY PROVISIONS OF ANY LAW, ORDINANCE, OF REGULATION OF ANY CITY, COUNTY, STATE OR OTHER AGENCY HAVING JURISDICTION. IT IS UNLAWFUL TO MAKE ANY CHANGES ON OR DEVIATIONS FROM THE PLAN-SPECIFICATION-CALCULATION WITHOUT WRITTEN AUTHORIZATION FROM THE FIRE PREVENTION DIVISION.

DSA FORM 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

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

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

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

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

PROJECT INFORMATION	
School District/Owner:	Ventura Unified School District
Project Name/School:	Temporary Team Room / Ventura High School
Project Address:	2 N Catalina Street, Ventura, CA 93001

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

DSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

School District Acceptance of Acceptable Design Alternates

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

Accepted by: Ryan Hughes Title: Bond Program Manager

Signature: _____ Date: _____

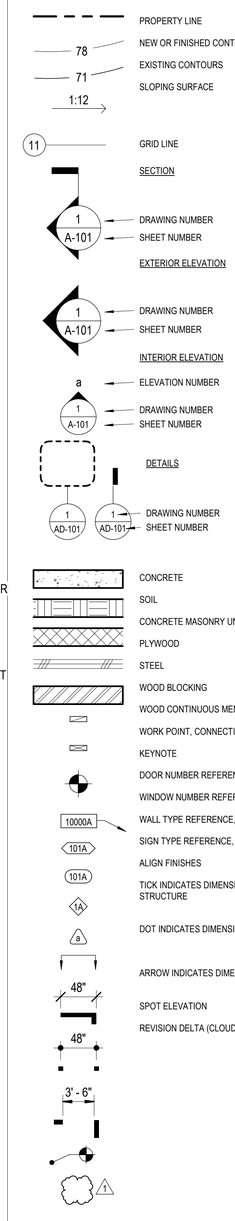
LOCAL FIRE AUTHORITY (LFA) INFORMATION			
LFA Agency Name:	Ventura City Fire Department		
LFA Review Official:	Chris Kennelly		
Title:	Fire Prevention Supervisor	Work Phone:	(805) 654-7794
Work Email:	ckennelly@cityofventura.ca.gov		

LFA Reviewer's Signature: Chris Kennelly Date: 9-18-2024

ABBREVIATIONS

Ø	DIAMETER
&	AND
CL OR C	CENTERLINE
#	POUND OR NUMBER
A.B.	ANCHOR BOLT
ABV.	ABOVE
ACP	ACOUSTICAL CEILING PANEL
A.D.	AREA DRAIN
ADJ.	ADJUSTABLE
A.F.F.	ABOVE FINISH FLOOR
A.F.G.	ABOVE FINISH GRADE
ALUM.	ALUMINUM
A.G.	ANTI-GRAFFITI
BLDG.	BUILDING
BLKG.	BLOCKING
BM.	BEAM
B.O.B.	BOTTOM OF BEAM
BOT.	BOTTOM
BTWN.	BETWEEN
CAB.	CABINET
CALIF.	CALIFORNIA
C.B.	CATCH BASIN
C.F.O.I	CONTRACTOR FURNISHED OWNER INSTALLED
C.I.P.	CAST IN PLACE
CJ	CONSTRUCTION JOINT
C.J.	CONTROL JOINT
CL	CENTERLINE
C.L.	CHAIN LINK
CLG.	CEILING
CLR.	CLEAR
CMU	CONCRETE MASONRY UNIT
C.O.	CLEAN OUT
COL.	COLUMN
COMP.	COMPOSITION
CONC.	CONCRETE
CONN.	CONNECTION
CONSTR.	CONSTRUCTION
CONT.	CONTINUOUS
CORR.	CORRIDOR
C.O.T.	CENTER OF TRUSS
C.T.	CERAMIC TILE
DBL.	DOUBLE
D.D.	DECK DRAIN
DF	DOUGLAS FIR
D.F.	DRINKING FOUNTAIN
DFCI	DISTRICT FURNISHED CONTRACTOR INSTALL
DG	DECOMPOSED GRANITE
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DN	DOWN
DR.	DOOR
D.S.	DOWNSPOUT
DWG	DRAWING
(E)	EXISTING
EA	EACH
EJ	EXPANSION JOINT
ELECT.	ELECTRICAL
ELEV.	ELEVATION
ENCL.	ENCLOSURE
EQ	EQUAL
EQUIP.	EQUIPMENT
EXIST.	EXISTING
EXP.	EXPANSION
EXT.	EXTERIOR
FAC.	FACTORY
FD	FLOOR DRAIN
FDN.	FOUNDATION
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
F.F.	FINISH FLOOR
F.F.E.	FINISH FLOOR ELEVATION
FIN.	FINISH
FLASH'G	FLASHING
FLR.	FLOOR
F.O.C.	FACE OF CONCRETE
F.O.F.	FACE OF FINISH
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
FRAM'G	FRAMING
FRP	FIBERGLASS REINFORCED PLASTIC
FT.	FOOT OR FEET
FTG.	FOOTING
F.V.	FIELD VERIFY
GA.	GAUGE
GALV.	GALVANIZED
G.I.	GALVANIZED IRON
GL.	GLASS
GLB.	GLU-LAM BEAM
GOV'T	GOVERNMENT
GWB	GYPSUM WALL BOARD
GYP. BD.	GYPSUM BOARD
H.D.	HOLD DOWN
HDWR.	HARDWARE
HDG	HOT DIP GALV
HDR.	HEADER
HGR.	HANGER
HORIZ.	HORIZONTAL
H.P.	HIGH POINT
H.M.	HOLLOW METAL
HR.	HOUR
HT.	HEIGHT
INSUL.	INSULATION
INT.	INTERIOR
JT.	JOINT
JST.	JOIST
LAM.	LAMINATE
LAV.	LAVATORY
LT.	LIGHT
L.P.	LOW POINT
MFR.	MANUFACTURER
MATR'L	MATERIAL
MAX.	MAXIMUM
M.B.	MACHINE BOLT
MECH.	MECHANICAL
MIN.	MINIMUM
MIN	MINUTE
MISC.	MISCELLANEOUS
M.O.	MASONRY OPENING
M.R.	MOISTURE RESISTANT
MTL.	METAL
(N)	NEW
N.I.C.	NOT IN CONTRACT
NO. OR #	NUMBER
N.T.S.	NOT TO SCALE
O/	OVER
O.C.	ON CENTER
O.F.C.I.	OWNER FURNISHED CONTACTOR INSTALLED
O.F.O.I.	OWNER FURNISHED OWNER INSTALLED
O.H.	OPPOSITE HAND
OPN'G	OPENING
OPP.	OPPOSITE
PB	PULL BOX
PERF.	PERFORATED
PL.	PLATE OR PLASTIC
PLAST.	PLASTER
PLYWD.	PLYWOOD
PR.	PAIR
PROJ.	PROJECTION
P.T.D.F.	PRESSURE TREATED DOUGLAS FIR
R OR RAD	RADIUS
R.D.	ROOF DRAIN
REC.S	RECOMMENDATIONS
REFL.	REFLECTED
REFRIG.	REFRIGERATOR
REINF.	REINFORCED OR REINFORCEMENT
REQ.	REQUIRED OR REQUIREMENTS
RET.	RETAINING
RF.	ROOF
RM.	ROOM
ROOF'G	ROOFING
S.C.	SOLID CORE
SCHED.	SCHEDULE
SHT'G	SHEATHING
SHT.	SHEET
SIM.	SIMILAR
SJ	SAWCUT JOINT
S.M.S.	SHEET METAL SCREWS
SQ.	SQUARE
S.S.	STAINLESS STEEL
ST.	STANDARD
STL.	STEEL
STN.	STAIN
STOR.	STORAGE
STRUCT.	STRUCTURAL
SUSP.	SUSPENDED
T.A.	TOILET ACCESSORY
T&B	TOP & BOTTOM
TEL.	TELEPHONE
TEMP.	TEMPERED
TG	TOP OF GRATE
TJ	TOOLED JOINT
T.O.	TOP OF
T.O.B.	TOP OF BEAM
T.O.M.	TOP OF MASONRY
T.O.P.	TOP OF PARAPET
T.O.S.	TOP OF STEEL FRAMING
T.O.SHTG	TOP OF SHEATHING
TPA	TRI-POLYMER ALLOY
TS	TUBE STEEL
T.W.	TOP OF WALL
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
U.O.N.	UNLESS OTHERWISE NOTED
V.C.T.	VINYL COMPOSITION TILE
VERT.	VERTICAL
V.G.D.F.	VERTICAL GRAIN DOUGLAS FIR
V.I.F.	VERIFY IN FIELD
W/	WITH
W.C.	WATERCLOSET
WD.	WOOD
W.J.	WEAKENED-PLANE JOINT
W.O.	WHERE OCCURS
W.P.	WATERPROOF
W.P.B.	WATERPROOF BARRIER
W.P.M.	WATERPROOF MEMBRANE
WRB	WEATHER RESISTANT BARRIER
WT.	WEIGHT
W.W.F.	WELDED WIRE FABRIC

SYMBOLS



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DATE: 02/06/2025

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LICENSED ARCHITECT TYSON CLINE No. C-34436 REN. 1-31-25 STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

VENTURA HIGH SCHOOL PORT. TEAM ROOM

2 N CATALINA STREET, VENTURA, CA 93001

DSA SUBMITTAL
DSA A# 03-124683
DSA File No.: 56-H7

No.	Description	Date

Sheet Name

DSA 810 SYMBOLS AND ABBREV.

RNT Project No.	1023.00
Date	9/24/2024
Drawn by	CY
Checked by	TC

Sheet Number

T-3.0

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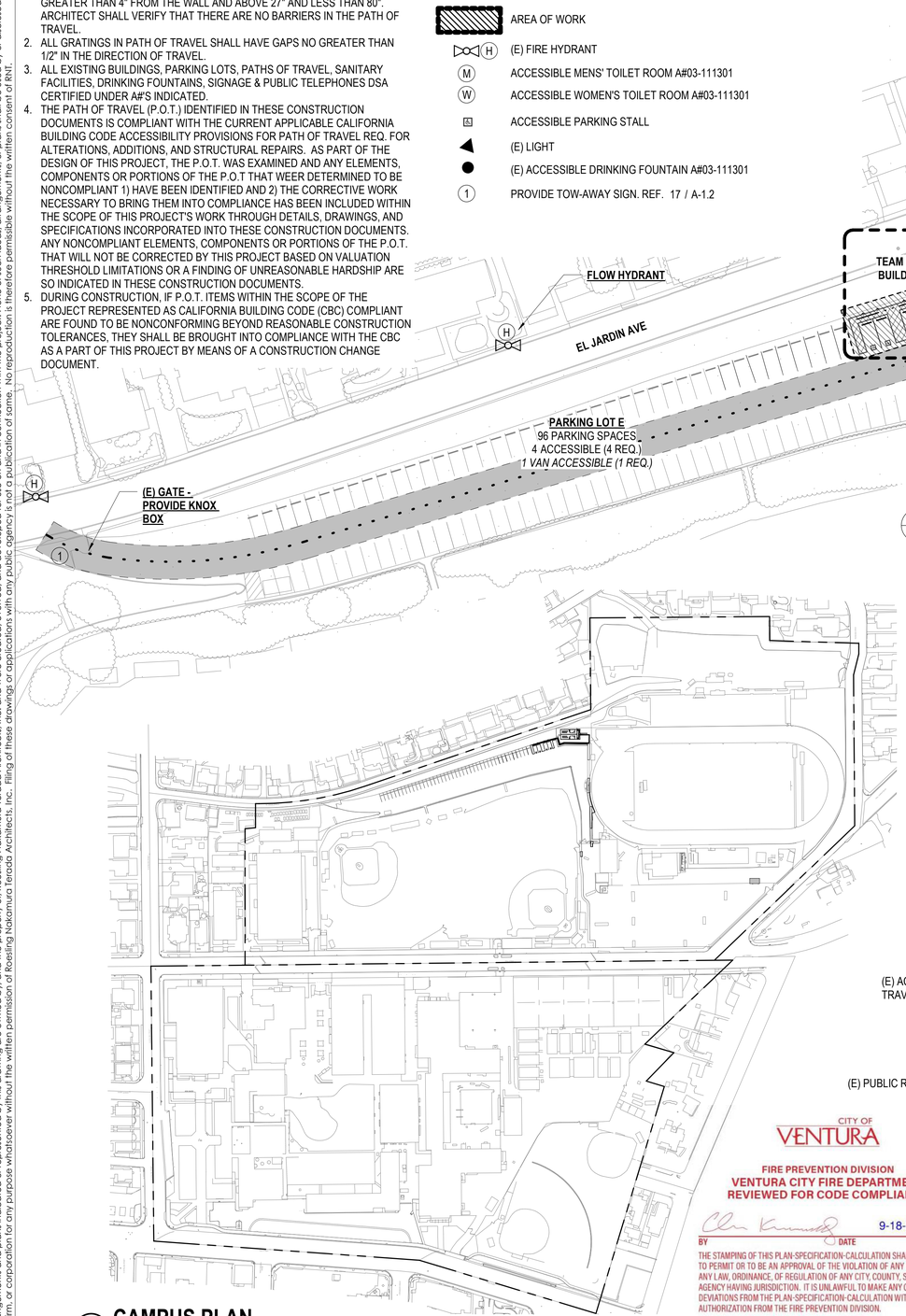
ACCESSIBLE P.O.T. NOTES

PR 15-01

1. ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX, AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, AND PROTRUDING OBJECTS GREATER THAN 4" FROM THE WALL AND ABOVE 27" AND LESS THAN 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.
2. ALL GRATINGS IN PATH OF TRAVEL SHALL HAVE GAPS NO GREATER THAN 1/2" IN THE DIRECTION OF TRAVEL.
3. ALL EXISTING BUILDINGS, PARKING LOTS, PATHS OF TRAVEL, SANITARY FACILITIES, DRINKING FOUNTAINS, SIGNAGE & PUBLIC TELEPHONES DSA CERTIFIED UNDER A#'S INDICATED.
4. THE PATH OF TRAVEL (P.O.T.) IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQ. 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 WEER DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.
5. DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CALIFORNIA BUILDING CODE (CBC) COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

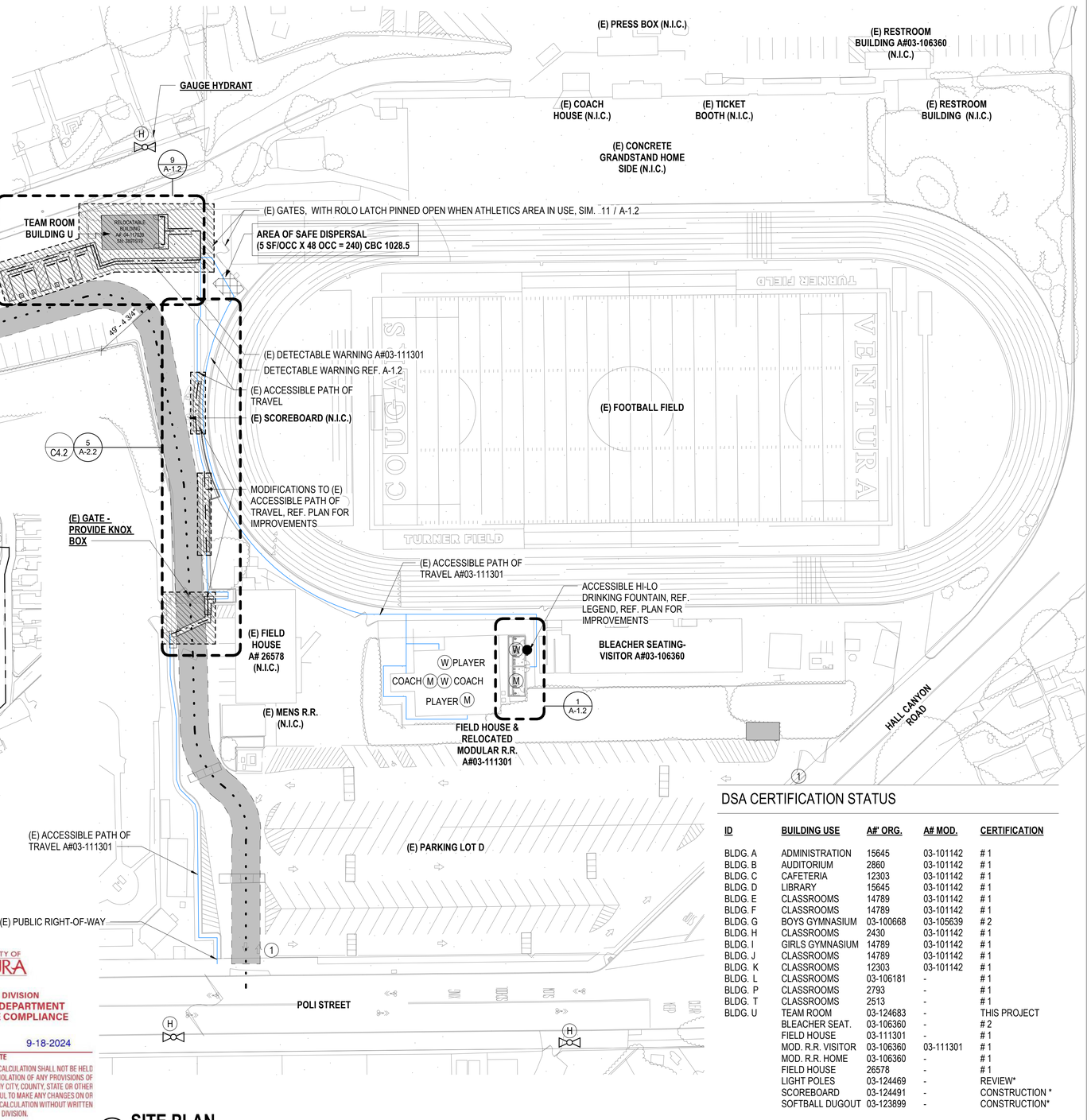
LEGEND

- PROPERTY LINE
- NEW ACCESSIBLE PATH OF TRAVEL
- EXISTING ACCESSIBLE PATH OF TRAVEL
- EXISTING FIRE TRUCK ACCESS 20'-0" WIDE MIN. - 100'-0" MAX. LENGTH FOR TRUCK BACKUP. 40'-0" MIN. OUTSIDE TURNING RADIUS + MIN. WIDTH OF 16'-0"
- AREA OF WORK
- (H) (E) FIRE HYDRANT
- (M) ACCESSIBLE MENS' TOILET ROOM A#03-111301
- (W) ACCESSIBLE WOMEN'S TOILET ROOM A#03-111301
- ACCESSIBLE PARKING STALL
- (E) LIGHT
- (E) ACCESSIBLE DRINKING FOUNTAIN A#03-111301
- (1) PROVIDE TOW-AWAY SIGN. REF. 17 / A-1.2



2 CAMPUS PLAN

1" = 160'-0"



3 SITE PLAN

1" = 40'-0"

CITY OF VENTURA

FIRE PREVENTION DIVISION
VENTURA CITY FIRE DEPARTMENT
REVIEWED FOR CODE COMPLIANCE

BY DATE 9-18-2024

THE STAMPING OF THIS PLAN-SPECIFICATION-CALCULATION SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATION OF ANY PROVISIONS OF ANY LAW, ORDINANCE, OF REGULATION OF ANY CITY, COUNTY, STATE OR OTHER AGENCY HAVING JURISDICTION. IT IS UNLAWFUL TO MAKE ANY CHANGES ON OR DEVIATIONS FROM THE PLAN-SPECIFICATION-CALCULATION WITHOUT WRITTEN AUTHORIZATION FROM THE FIRE PREVENTION DIVISION.

DSA CERTIFICATION STATUS

ID	BUILDING USE	A#' ORG.	A# MOD.	CERTIFICATION
BLDG. A	ADMINISTRATION	15645	03-101142	# 1
BLDG. B	AUDITORIUM	2860	03-101142	# 1
BLDG. C	CAFETERIA	12303	03-101142	# 1
BLDG. D	LIBRARY	15645	03-101142	# 1
BLDG. E	CLASSROOMS	14789	03-101142	# 1
BLDG. F	CLASSROOMS	14789	03-101142	# 1
BLDG. G	BOYS GYMNASIUM	03-100668	03-105639	# 2
BLDG. H	CLASSROOMS	2430	03-101142	# 1
BLDG. I	GIRLS GYMNASIUM	14789	03-101142	# 1
BLDG. J	CLASSROOMS	14789	03-101142	# 1
BLDG. K	CLASSROOMS	12303	03-101142	# 1
BLDG. L	CLASSROOMS	03-106181	-	# 1
BLDG. P	CLASSROOMS	2793	-	# 1
BLDG. T	CLASSROOMS	2513	-	# 1
BLDG. U	TEAM ROOM	03-124683	-	THIS PROJECT
	BLEACHER SEAT.	03-106360	-	# 2
	FIELD HOUSE	03-111301	-	# 1
	MOD. R.R. VISITOR	03-106360	03-111301	# 1
	MOD. R.R. HOME	03-106360	-	# 1
	FIELD HOUSE	26578	-	# 1
	LIGHT POLES	03-124469	-	REVIEW*
	SCOREBOARD	03-124491	-	CONSTRUCTION *
	SOFTBALL DUGOUT	03-123899	-	CONSTRUCTION*

* AT TIME OF REVIEW

NORTH

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DATE: 02/06/2025

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VENTURA HIGH SCHOOL PORT. TEAM ROOM

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DSA SUBMITTAL

DSA A# 03-124683
DSA File No.: 56-H7

No.	Description	Date

Sheet Name

CODE ANALYSIS PLAN

RNT Project No.	1023.00
Date	9/24/2024
Drawn by	CY
Checked by	TC

Sheet Number

A-1.1

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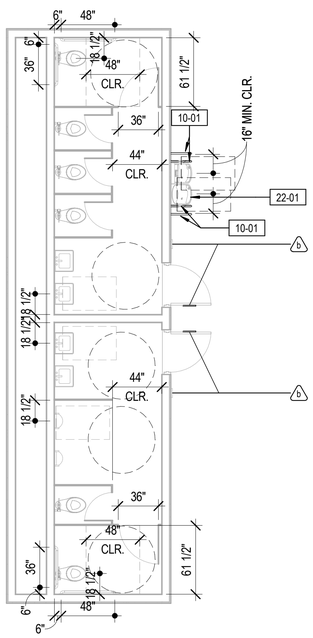
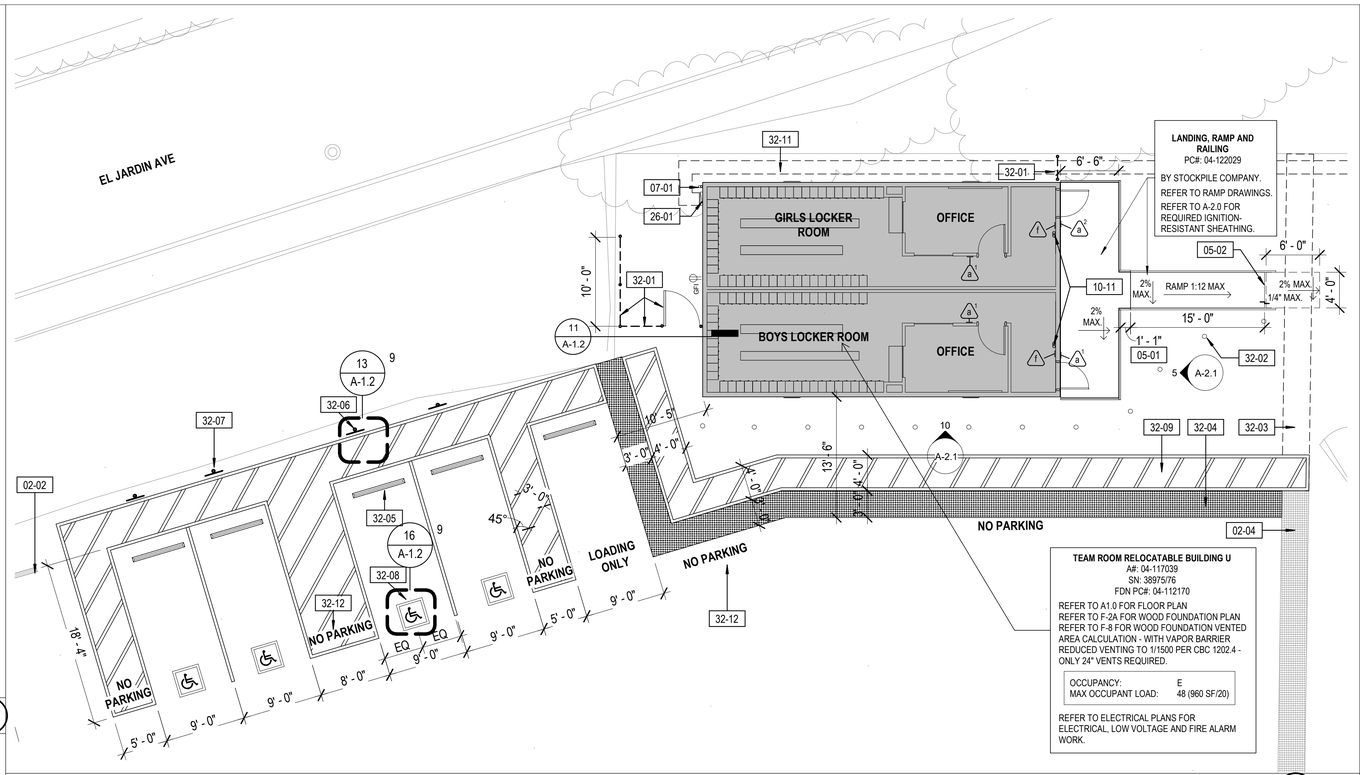
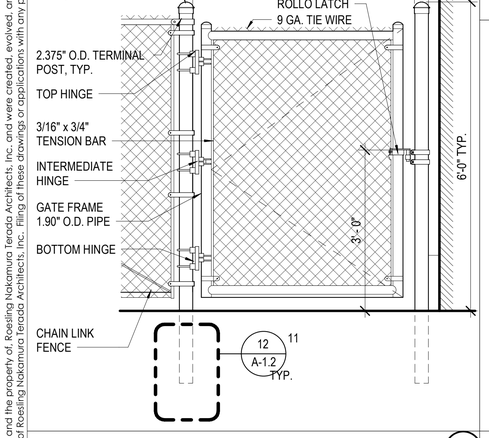


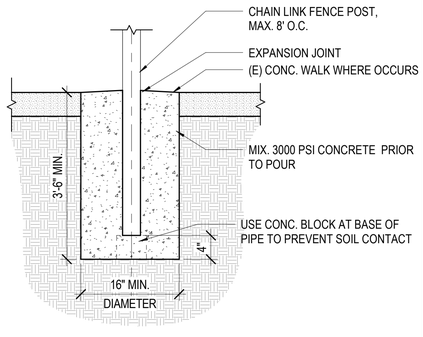
EXISTING RESTROOM BUILDING ADA CONFIRMATION 3/16" = 1'-0" (1)



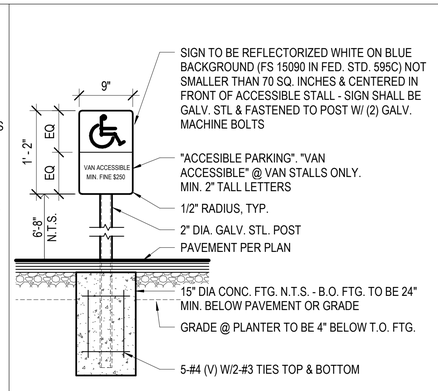
SITE PLAN 1/8" = 1'-0" (9)



MAINTENANCE CHAIN LINK GATE 3/4" = 1'-0" (11)

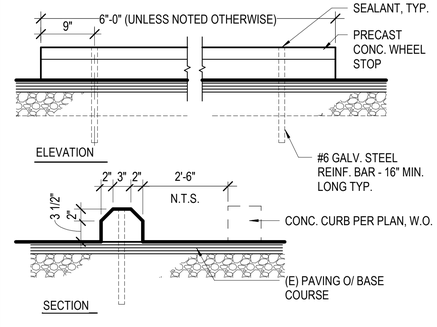


FENCE POST FOOTING 1" = 1'-0" (12)

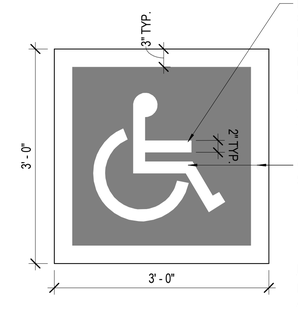


CBC 11B-502.6

ACCESSIBLE PARKING SIGN 1" = 1'-0" (13)

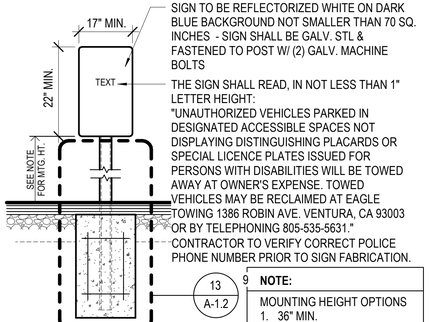


WHEEL STOP PRE-CAST 1" = 1'-0" (14)

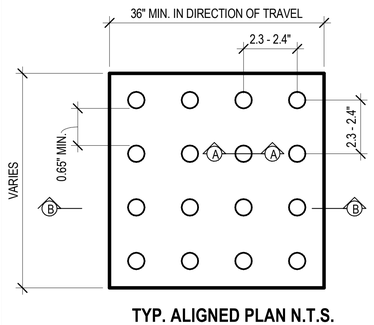


CBC 11B-502.6.4, 11B-703.7.2.1

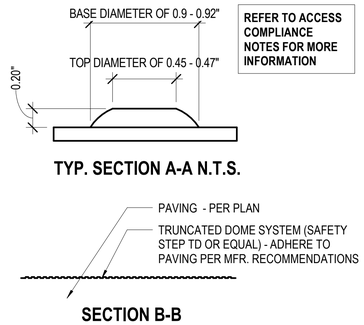
ACC. PARKING PAVEMENT SYMBOL 1" = 1'-0" (16)



ACCESSIBLE PARKING ENTRY SIGN 1" = 1'-0" (17)



TYP. ALIGNED PLAN N.T.S.



CBC 11B-705.1

DETECTABLE WARNING - ALIGNED 1" = 1'-0" (19)

GENERAL NOTES

1. CLASSROOMS INSTALLED BY RELOCATABLE CLASSROOM STOCKPILE COMPANY, PER RELOCATABLE DRAWINGS. A#: 66341 SN: 30076-77, . BUILDINGS WILL BE MOVED BY THE STOCKPILE COMPANY AS SEPARATE MODULES AND RECONNECTED AND INSTALLED AT THE PROJECT SITE BY THE STOCKPILE COMPANY.
2. REFER TO ATTACHED PORTABLE BUILDING, WOOD FOUNDATION AND RAMP DRAWINGS FOR ADDITIONAL INFORMATION.
3. REFER TO CIVIL DRAWING FOR BUILDING AND FINISH SURFACE ELEVATIONS.
4. ALL ITEMS ARE CONSIDERED NEW UNLESS NOTED AS (E) EXISTING.
5. IF SHEET IS LESS THAN 24"X36" IT IS A REDUCED PRINT AND SCALE REDUCED ACCORDINGLY.

GENERAL ACCESSIBLE PATH NOTES

1. NON-SLIP FINISH REQUIRED ON ALL WALK SURFACES
2. GRATE OPENINGS 11B-302.3
   a. OPENINGS IN FLOOR OR GROUND SURFACES IN THE PEDESTRIAN WAY SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER. WHEN OPENINGS ARE OBLONG, THE LONG DIMENSION SHALL BE PLACED PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL. (FOR COURTYARDS OR OPEN PAVED AREAS WITH NO CLEAR DIRECTION OF TRAVEL, OPENINGS SHALL BE 1/2" MAXIMUM IN ALL DIRECTIONS.)

WUI IMPROVEMENTS

REFER TO NOTES AND DETAILS ON A-2.0 BUILDING WUI IMPROVEMENTS

DOOR HARDWARE SCHEDULE

LOCKSET	SCHLAGE ND75LD RHODES LEVER (23-065-C123 1-BITTED CYLINDER)
LOCK GUARD	TRIMCO 1082-6
THRESHOLD	HAGAR 438S
HINGE	3 HAGER BB1191 4 1/2" X 4 1/2" NRP 626
CLOSER	SC81 DEL FC RW/PA 689 FAL
DOOR BOTTOM	HAGER 783S
WEATHERSTRIP	HAGER 891S

LEGEND

- (E) DETECTABLE WARNING, P.I.P.
- DETECTABLE WARNING REF. 19 / A-1.2
- BLUE ACCESSIBLE AISLE STRIPING, REF. CIVIL
- GALVANIZED CHAIN LINK FENCE REF. 11 / A-1.2
- a — ROOM SIGN, REF. 1 / A-2.1
- b — RESTROOM SIGN, REF. 17 / A-2.1
- f — EXIT SIGN, REF. 6 / A-2.1

KEYNOTE LIST

02-02	P.I.P. EXISTING WHEEL STOP
02-04	P.I.P. (E) DETECTABLE WARNING
05-01	STOCKPILE COMPANY PROVIDE 12" MIN. FLAT HANDRAIL EXTENSION TOP AND BOTTOM. REFER TO RAMP DRAWINGS.
05-02	STOCKPILE COMPANY PROVIDE FLUSH 1/4" MAX TRANSITION FROM RAMP TO (E) ASPHALT, PER RAMP PC# 04-122029,
07-01	GUTTER AND DOWNSPOUT BY SITE CONTRACTOR.
10-01	REMOVE AND REINSTALL EXISTING ALUMINUM GUARD. PATCH EXISTING HOLES IN CONCRETE AND STUCCO. @WALL MIN. 3-#8 STAINLESS STEEL FASTENERS 1.5" INTO SOLID WOOD BLOCKING . @ (E) CONCRETE MIN. 3-STEEL CONCRETE SCREW ANCHORS, MIN. 1.5" EMBED (ICC ESR-2202).
10-11	SITE CONTRACTOR PROVIDE BRACKET-MOUNTED FIRE EXTINGUISHER AND BRACKET WITH MAX 4" PROJECTION FROM WALL FACE. BASIS OF DESIGN OVAL 10H-ABC. MOUNTED WITH TOP 48" MAX. A.F.F.
22-01	SITE CONTRACTOR P.I.P. (E) ACCESSIBLE STAINLESS STEEL HI-LOW DRINKING FOUNTAIN. FIELD VERIFIED STANDING SPOUT BETWEEN 38" AND 43" ABOVE FINISH SUFRACE. FIELD VERIFIED LOW FOUNTAIN SPOUT AT 34.5" ABOVE FINISH SURFACE.
26-01	SITE CONTRACTOR MAKE CONNECTION TO ELECTRICAL PANEL, REFER TO ELECTRICAL
32-01	SITE CONTRACTOR PROVIDE GALVANIZED CHAIN LINK FENCE AND GATES. MAINTENANCE ACCESS ONLY.
32-02	SITE CONTRACTOR PROVIDE BOLLARD, TYP. REF. CIVIL
32-03	SITE CONTRATOR REMOVE (E) DETECTABLE WARNING AND PATCH ASPHALT. REF. CIVIL.
32-04	SITE CONTRACTOR PROVIDE DETECTABLE WARNING, REF. DETAIL 19/A-1.2
32-05	SITE CONTRACTOR PROVIDE NEW WHEEL STOPS
32-06	SITE CONTRACTOR PROVIDE ACCESSIBLE PARKING SIGNAGE, TYP.
32-07	SITE CONTRACTOR PROVIDE VAN ACCESSIBLE PARKING SIGNAGE
32-08	SITE CONTRACTOR STRIPE ACCESSIBLE PARKING PAVEMENT SYMBOL AT ACCESSIBLE PARKING STALLS, TYP.
32-09	SITE CONTRACTOR STRIPE ACCESSIBLE AISLE AND PARKING STALLS BLUE. SITE CONTRACTOR STRIPE REGULAR PARKING STALLS WHITE.
32-11	SITE CONTRACTOR TRENCH FOR UTILITES, REF. ELECTRICAL
32-12	SITE CONTRACTOR STRIPE 12" HIGH WHITE LETTERS, TYP.

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DSA SUBMITTAL
DSA A# 03-124683
DSA File No.: 56-H7

No.	Description	Date

Sheet Name

ENLARGED SITE PLAN AND DETAILS

RNT Project No.	1023.00
Date	9/24/2024
Drawn by	CY
Checked by	TC

Sheet Number

A-1.2

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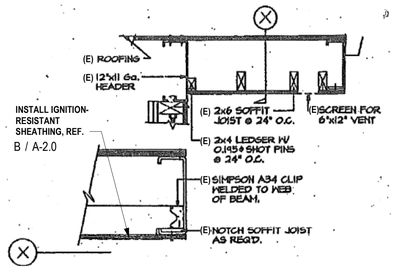
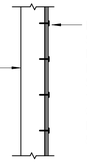
BY MODULAR BUILDING STOCKPILE COMPANY



WUI SOFFIT 1" = 1'-0" A

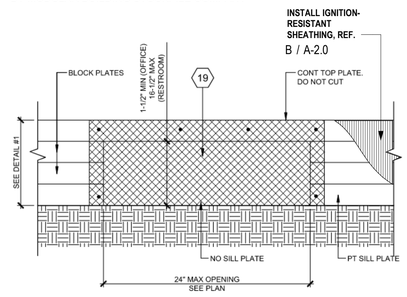
WALKWAY SYSTEM BY WALKWAY CO. 1.5"X1.5"X0.065" STEEL, TYP.



INSTALL DURATEMP SIDING, PRIMED SHIP LAP SIDING 19/32" THICK BY ROSEBURG FOREST PRODUCTS OR EQUAL. FASTEN WITH #8 1-1/2" S.T.S.M.S. 6" O.C. @ PANEL EDGES AND 12" O.C. @ INTERMEDIATE SUPPORTS. COMPLIES WITH SFM STANDARD 12-71-1 PER CBC 7A 707A.3 ITEM 6. SFM LISTING 8140-2031:0004.

WUI SHEATHING 1" = 1'-0" B

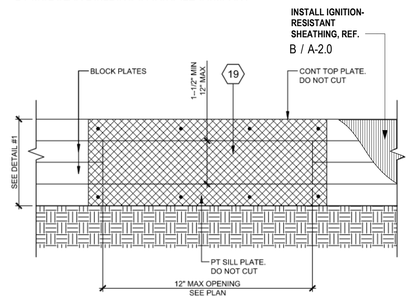
BY MODULAR BUILDING STOCKPILE COMPANY



REFER TO WOOD FOUNDATION DRAWINGS

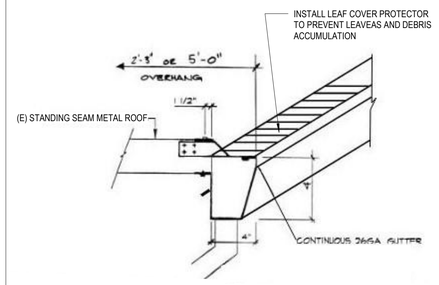
WUI FOUNDATION VENT 24" 1" = 1'-0" C

BY MODULAR BUILDING STOCKPILE COMPANY



REFER TO WOOD FOUNDATION DRAWINGS

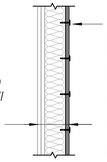
WUI FOUNDATION VENT 12" 1" = 1'-0" D



WUI GUTTER PROTECTION 1" = 1'-0" E

BY MODULAR BUILDING STOCKPILE COMPANY

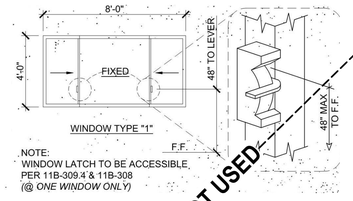
(E) WALL
- 1/2" VINYL COVERED TACKABLE WALL BOARD
- 1/2" GYPSUM BOARD
- 2X4 WOOD STUDS W/ R-11 INSULATION
- MOISTURE BARRIER



INSTALL DURATEMP SIDING, PRIMED SHIP LAP SIDING 19/32" THICK BY ROSEBURG FOREST PRODUCTS OR EQUAL. FASTEN WITH #8 1-1/2" S.T.S.M.S. 6" O.C. @ PANEL EDGES AND 12" O.C. @ INTERMEDIATE SUPPORTS. COMPLIES WITH SFM STANDARD 12-71-1 PER CBC 7A 707A.3 ITEM 6. SFM LISTING 8140-2031:0004.

WUI WALL SHEATHING 1" = 1'-0" F

BY MODULAR BUILDING STOCKPILE COMPANY



NOTE:
WINDOW LATCH TO BE ACCESSIBLE, PER 11B-309.4 & 11B-308
(@ ONE WINDOW ONLY)

NOT USED

PROVIDE EXTERIOR WINDOWS CONSTRUCTED OF MULTI-PANE GLAZING WITH A MINIMUM OF 1 PANE MEETING THE REQUIREMENTS OF CBC SECTION 2406 SAFETY GLAZING PER 708A.2.1

NAILING:

FOR PC 66344 - REFER TO 10 & 11/1-A6.0 FOR NAILING
FOR PC 66839 - REFER TO 4 & 5/2-4 FOR NAILING
FOR PC 04-105203 - REFER TO 4 & 5/3-S3.0 FOR NAILING

WUI WINDOW REPLACEMENT 1/4" = 1'-0" G

WUI IMPROVEMENTS REQUIRED

BY STOCKPILE CO.

THE PROJECT IS LOCATED IN A WILDLAND URBAN INTERFACE (WUI) HIGH FIRE HAZARD SEVERITY ZONE. ALL MANUFACTURED BUILDINGS AND WALKWAY SYSTEMS SHALL COMPLY WITH CHAPTER 7A OF THE CBC.

MODIFICATIONS TO ORIGINAL RAMP PC:

B / A-2.0 — THE AREA UNDER THE WALKWAY SHALL BE ENCLOSED WITH IGNITION-RESISTANT MATERIALS TO PROTECT FROM ACCUMULATING LEAVES AND DEBRIS PER CBC 707A.2.
-REFER TO SITE-SPECIFIC PLAN FOR LOCATIONS.

MODIFICATIONS TO BUILDING APPLICATION:

E / A-2.0 — ADD ROOF GUTTER LEAF GUARDS TO PREVENT ACCUMULATION OF LEAVES AND DEBRIS PER CBC SECTION 705A.4.

F / A-2.0 — REPLACE EXTERIOR WALL FINISH W/ IGNITION-RESISTANT MATERIAL AND SHALL COMPLY WITH 707A.3 - PRODUCT DURATEMP SIDING, PRIMED SHIP LAP SIDING 19/32" THICK BY ROSEBURG FOREST PRODUCTS OR EQUAL.

C / A-2.0 and D / A-2.0 — USE IGNITION-RESISTANT SKIRTING FINISH MATERIAL BETWEEN FLOOR AND GRADE - PRODUCT DURATEMP SIDING, PRIMED SHIP LAP SIDING 19/32" THICK BY ROSEBURG FOREST PRODUCTS OR EQUAL.
USE EXTERIOR VENT OPENINGS OPENING PROTECTION PER ASTM E2886 AND BE SFM LISTED.

A / A-2.0 — REPLACE ALL (E) SOFFIT SHEATHING WITH IGNITION-RESISTANT SHEATHING. - PRODUCT DURATEMP SIDING, PRIMED SHIP LAP SIDING 19/32" THICK BY ROSEBURG FOREST PRODUCTS OR EQUAL.

EXISTING TO REMAIN (PER ORIGINAL BUILDING PC):
- WALKWAY MATERIAL IS NON-COMBUSTIBLE PER CBC 709A.3

EXISTING TO REMAIN (PER ORIGINAL BUILDING PC):
- (E) CLASS A METAL ROOF - COMPLIES WITH CHAPTER 7A AND CHAPTER 15
- (E) EXTERIOR DOOR AND FRAME OF NON COMBUSTIBLE MATERIALS PER CBC 708A.3.1.
- ~~(E) EXT. WINDOWS WITH MULTIPANE GLAZED WINDOWS WITH A MINIMUM OF 1 PANE MEETING THE REQUIREMENTS OF SECTION 2406 SAFETY GLAZING PER 708A.2.1.~~

WALKWAY PC AFFECTED:
PC ACCESSIBLE RAMPS/LANDINGS/STAIRS A#: 04-122029

MODULAR BUILDINGS IMPROVED:
RELOCATABLE 1 A#: 04-117039, SN: 38975/76
WOOD FOUNDATIONS PC#: 04-122170

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DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

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LICENSED ARCHITECT TYSON CLINE No. C-34436 REN. 1-31-25 STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

VENTURA HIGH SCHOOL PORT. TEAM ROOM

2 N CATALINA STREET, VENTURA, CA 93001

DSA SUBMITTAL

DSA A# 03-124683
DSA File No.: 56-H7

No.	Description	Date

Sheet Name

BUILDING WUI IMPROVEMENTS

RNT Project No.	1023.00
Date	9/24/2024
Drawn by	CY
Checked by	TC

Sheet Number

A-2.0

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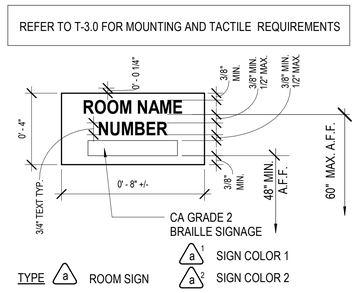
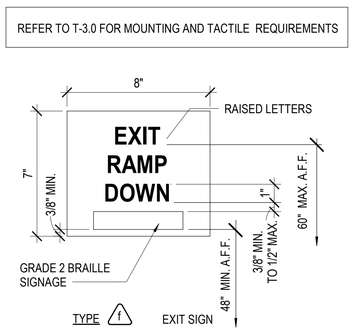
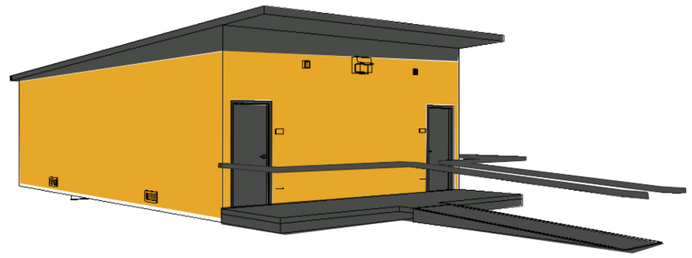


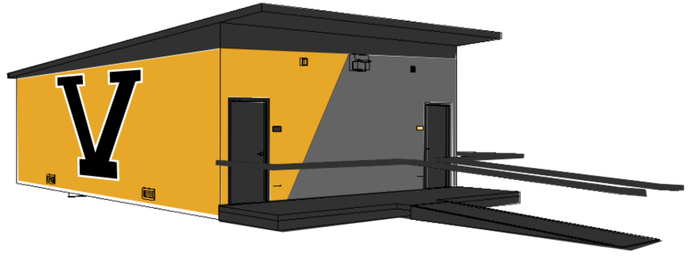
TACTILE ROOM SIGNAGE 3" = 1'-0" (1)



TACTILE EXIT SIGNAGE 3" = 1'-0" (6)

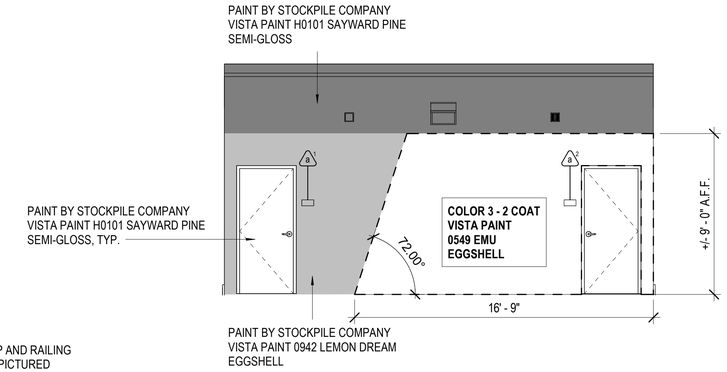


BY STOCKPILE COMPANY

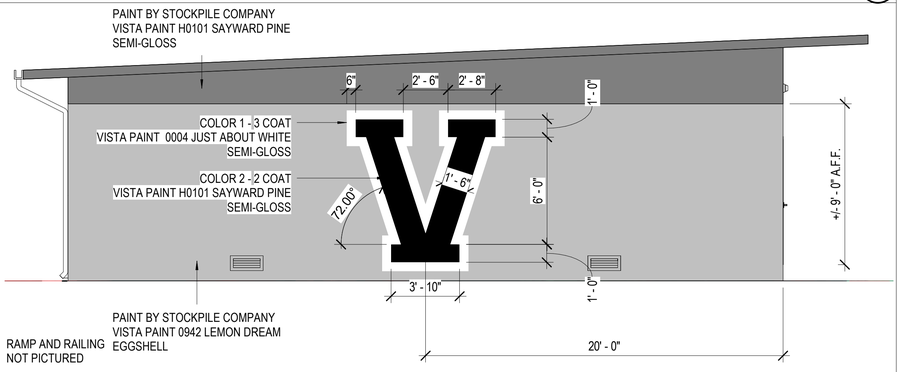


WITH ADDITIONAL PAINTED ELEMENTS BY SITE CONTRACTOR - REFER TO ELEVATIONS

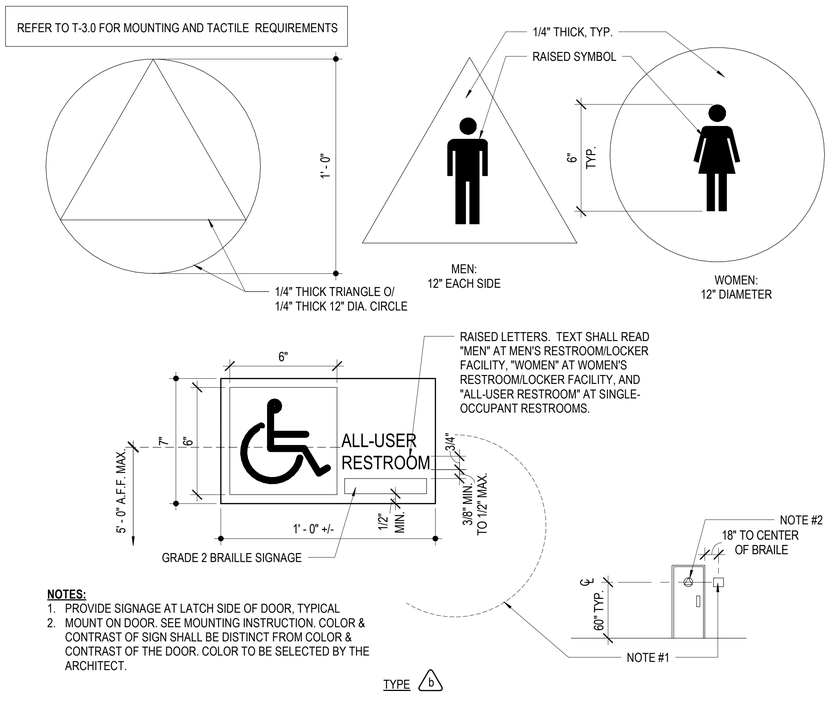
PAINT CONCEPT N.T.S (9)



EAST ELEVATION 1/4" = 1'-0" (5)



SOUTH ELEVATION 1/4" = 1'-0" (10)



NOTES:
1. PROVIDE SIGNAGE AT LATCH SIDE OF DOOR, TYPICAL
2. MOUNT ON DOOR. SEE MOUNTING INSTRUCTION. COLOR & CONTRAST OF SIGN SHALL BE DISTINCT FROM COLOR & CONTRAST OF THE DOOR. COLOR TO BE SELECTED BY THE ARCHITECT.

C1030 SIGNAGE @ RESTROOM DOOR 3" = 1'-0" (17)

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VENTURA HIGH SCHOOL PORT. TEAM ROOM

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DSA SUBMITTAL

DSA A# 03-124683
DSA File No.: 56-H7

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Sheet Name

ELEVATIONS & DETAILS

RNT Project No.	1023.00
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Drawn by	CY
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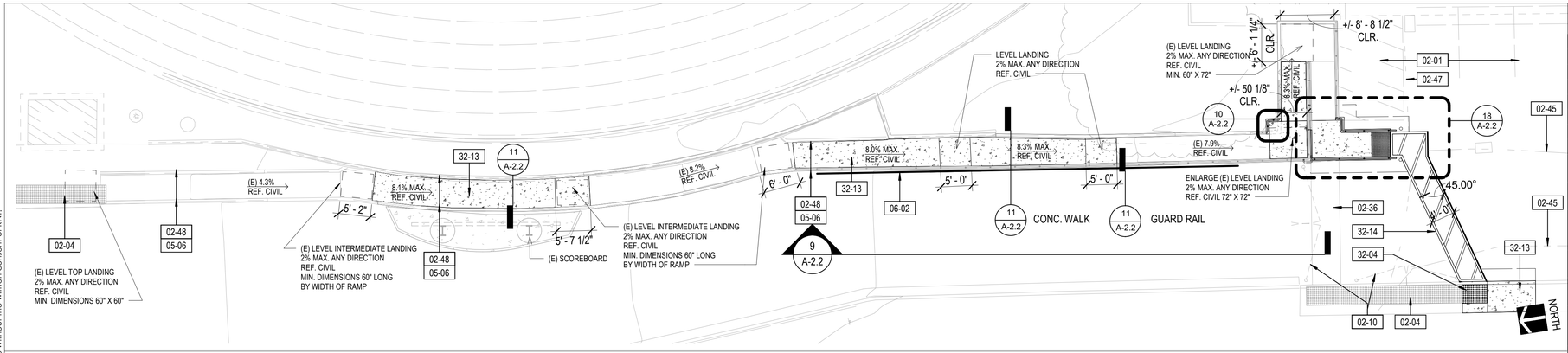
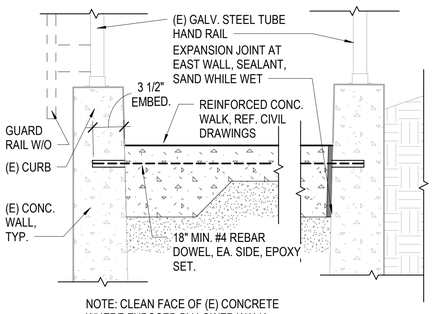
A-2.1



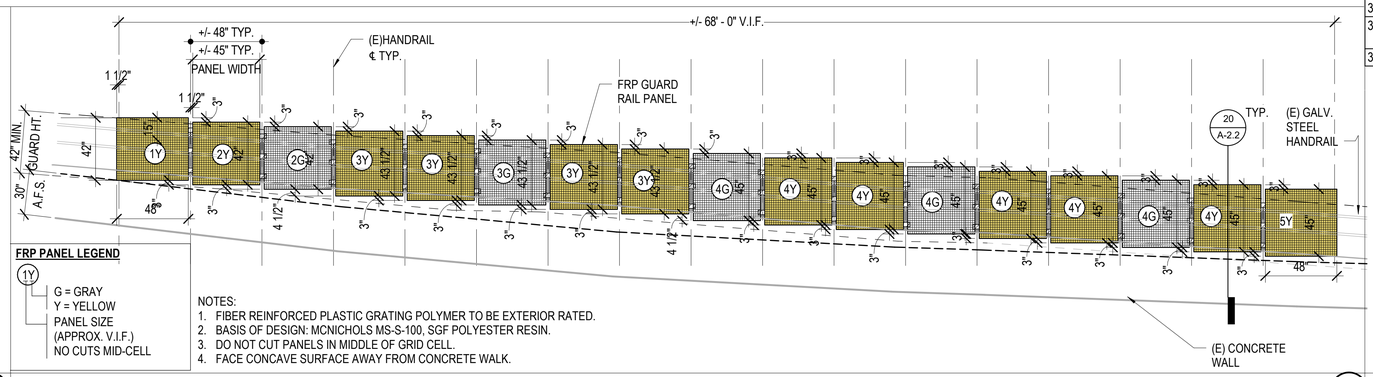
SITE PLAN - OVERALL ACCESSIBLE PATH MODIFICATIONS

KEYNOTE LIST

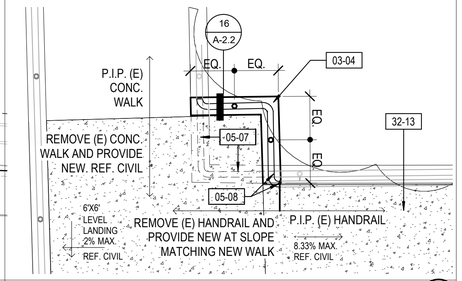
02-01	P.I.P. (E) ASPHALT AND STRIPING
02-04	P.I.P. (E) DETECTABLE WARNING
02-10	P.I.P. (E) GATE
02-36	REMOVE (E) ACCESSIBLE PATH STRIPING
02-45	(E) ELECTRICAL LINE
02-47	(E) COMM LINE
02-48	P.I.P. (E) HANDRAIL AND CONCRETE WALL, TYP.
03-04	SITE CONTRACTOR CONSTRUCT 6" HIGH CONC. CURB
05-03	SITE CONTRACTOR REMOVE (E) HANDRAIL EXTENSION AND PATCH POST AT ATTACHMENT POINT, GRIND SMOOTH AND TOUCH UP GALVANIZATION
05-04	SITE CONTRACTOR REMOVE (E) HANDRAIL ANCHORAGE POINT AND PATCH (E) CONCRETE WALL
05-05	SITE CONTRACTOR REMOVE (E) HANDRAIL AND PROVIDE NEW AT SLOPE MATCHING NEW WALK, WELD TO (E), GRIND SMOOTH AND REPAIR GALVANIZATION
05-06	SITE CONTRACTOR TOUCH UP COLD GALVANIZED JOINTS ON EXISTING GALVANIZED RAILINGS
05-07	SITE CONTRACTOR SAWCUT AND REMOVE (E) RALING AND STANCHIONS AND 6" CONCRETE CURB.
05-08	SITE CONTRACTOR RESTORE CONTINUOUS CONNECTION BETWEEN NEW RAIL AND (E) RAIL. SITE CONTRACTOR RESTORE CONTINUOUS CONNECTION BETWEEN NEW RAIL AND (E) HAND RAIL.
06-02	SITE CONTRACTOR PROVIDE FRP GUARD RAIL
32-02	SITE CONTRACTOR PROVIDE BOLLARD, TYP. REF. CIVIL
32-04	SITE CONTRATOR PROVIDE DETECTABLE WARNING, REF. DETAIL 19/A-1.2
32-13	SITE CONTRACTOR SAWCUT AND REMOVE (E) CONCRETE AND REPLACE WITH NEW ACCESSIBLE CONCRETE, REF. CIVIL
32-14	SITE CONTRACTOR STRIPE ACCESSIBLE AISLE BLUE.



REPLACEMENT CONCRETE WALK 1 1/2" = 1'-0" (11)

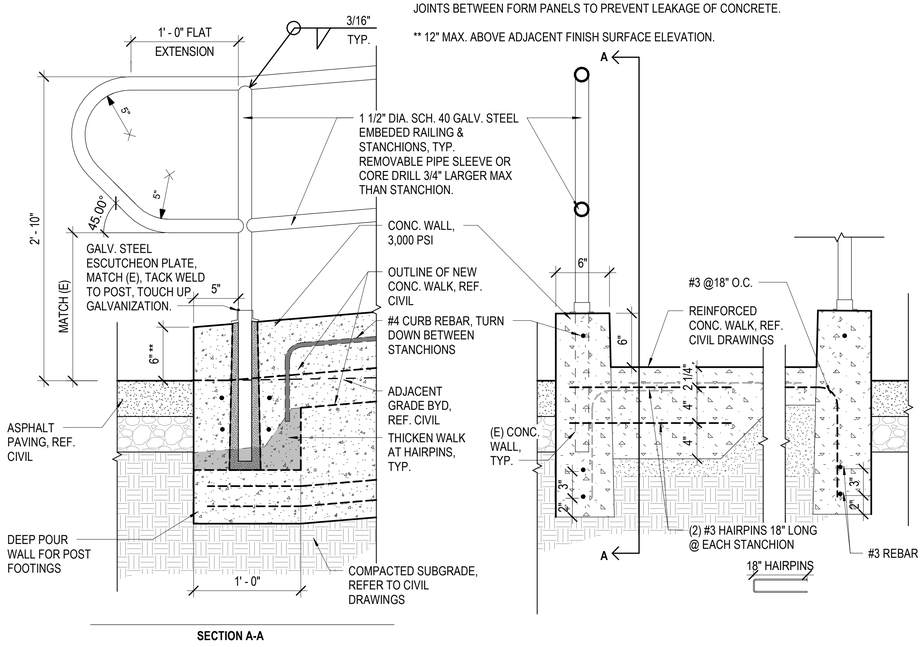


RAILING RETROFIT ELEVATION 1/4" = 1'-0" (9)



SITE PLAN - LANDING AND RAIL 1/2" = 1'-0" (10)

NOTE:
LOCATE HANDRAILS ON BOTH SIDES

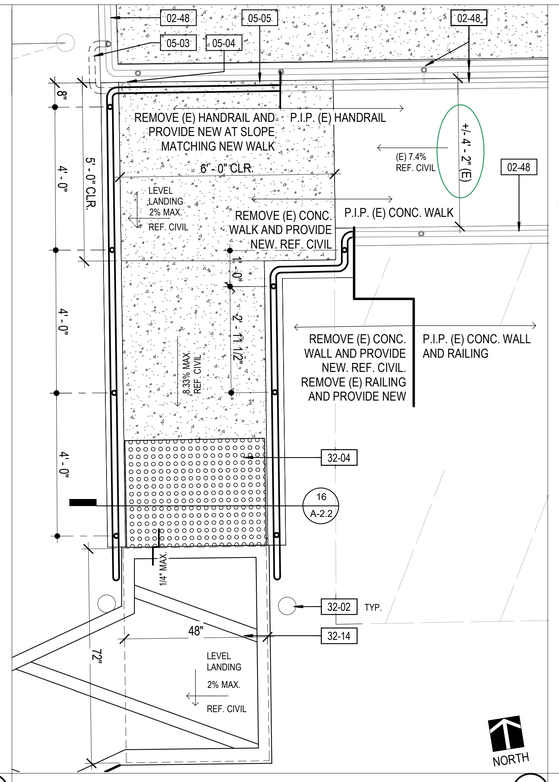


SECTION A-A

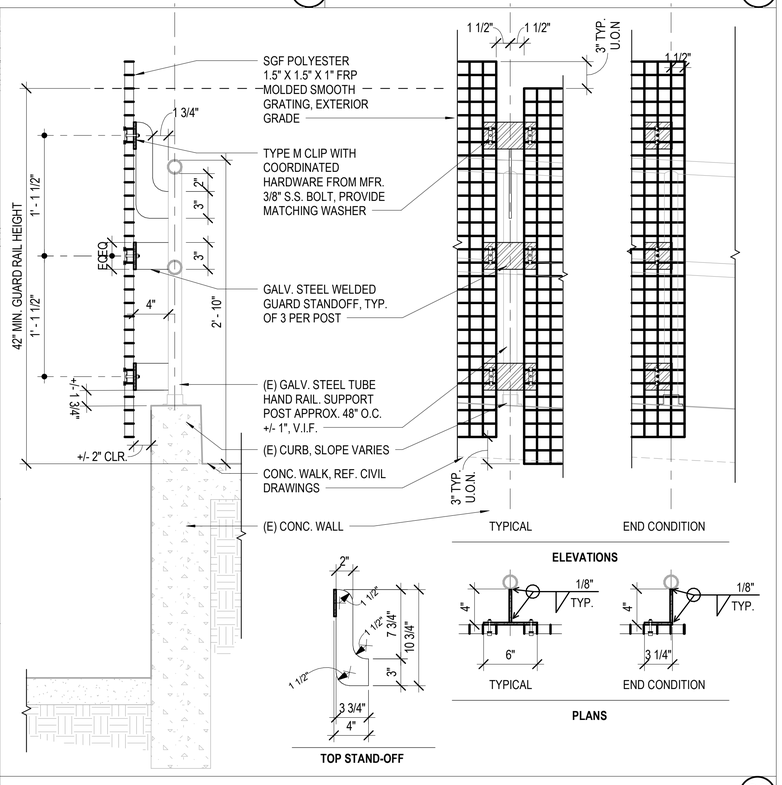
NOTES:
1. FOR VERTICAL CONCRETE SURFACES WHICH WILL REMAIN EXPOSED: FORM MATERIALS TO BE PLYWOOD, METAL, METAL-FRAMED/PLYWOOD FACED, OR FRP WHICH WILL PROVIDE CONTINUOUS, FLAT, EXPOSED CONCRETE SURFACE WITH A SACKED AND RUBBED FINISH SURFACE. FORM PANELS SHALL BE SMOOTH AND FREE OF VOIDS, FASTENER HEADS AND OTHER IMPERFECTIONS WHICH MAY TRANSFER TO THE FINISHED CONCRETE SURFACE. SEAL JOINTS BETWEEN FORM PANELS TO PREVENT LEAKAGE OF CONCRETE.

** 12" MAX. ABOVE ADJACENT FINISH SURFACE ELEVATION.

REPLACEMENT RAIL AND RAMP 1 1/2" = 1'-0" (16)



SITE PLAN - RAMP AND RAIL 1/2" = 1'-0" (18)



GUARD RAIL RETROFIT 1 1/2" = 1'-0" (20)

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DSA A# 03-124683
DSA File No.: 56-H7

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Sheet Name

ACCESSIBLE PATH IMPROVEMENTS

RNT Project No.	1023.00
Date	9/24/2024
Drawn by	CY
Checked by	TC

Sheet Number

A-2.2

CIVIL IMPROVEMENTS FOR VENTURA HIGH SCHOOL PORTABLE TEAM ROOM IN THE CITY OF VENTURA, CA

SURVEY NOTES

MAPPING:

TOPOGRAPHIC MAPPING WAS COMPILED AT A SCALE OF 1"=20', WITH A 1 FOOT CONTOUR INTERVAL, USING STANDARD PHOTOGRAMMETRIC METHODS AND PROCEDURES BY AEROTECH MAPPING, INC FROM AERIAL PHOTOGRAPHY OBTAINED ON AUGUST 30, 2023.

MAPPING IS SUPPLEMENTED BY DATA COLLECTED FROM A FIELD SURVEY USING CONVENTIONAL EQUIPMENT AND PROCEDURES IN JULY & AUGUST, 2023, AT THE REQUEST OF VENTURA UNIFIED SCHOOL DISTRICT.

AERIAL PHOTOGRAPHY
THE AERIAL PHOTOGRAPHY USED AS THE BACKGROUND FOR THIS MAP WAS OBTAINED ON AUGUST 30, 2023 BY AEROTECH MAPPING, INC. THE PHOTOGRAPHY HAS BEEN CONVERTED INTO A DIGITAL FORMAT AND CORRECTED FOR HORIZONTAL AND VERTICAL DISTORTION USING STANDARD PHOTOGRAMMETRIC METHODS.

RECORD COMPILED BOUNDARY AND EASEMENTS:

THE LOT, CENTER AND RIGHT OF WAY LINES SHOWN HEREON ARE BASED UPON RECORD COMPILED INFORMATION SHOWN ON SEVERAL RECORD MAPS AND COUNTY ASSESSOR MAPS ON FILE OR ON RECORD IN THE COUNTY OF VENTURA. THIS INFORMATION HAS BEEN TRANSLATED AND ROTATED TO BEST FIT SEVERAL MONUMENTS OF RECORD THAT WERE LOCATED AS A PART OF THE FIELD SURVEY AND TIED TO THE SURVEY CONTROL SHOWN HEREON. THIS SURVEY DOES NOT CONSTITUTE A BOUNDARY ESTABLISHMENT SURVEY. IF IMPROVEMENTS ARE PROPOSED ALONG THE PERIMETER OF THE SITE DIRECTLY ADJACENT TO THESE LINES, ADDITIONAL BOUNDARY RESEARCH SHOULD BE CONDUCTED WHICH MAY REQUIRE A TITLE REPORT AND FIELD AND/OR OFFICE WORK.

NO EASEMENTS HAVE BEEN RESEARCHED OR SHOWN HEREON, INCLUDING, BUT NOT LIMITED TO RIGHT OF WAY EASEMENTS FOR ADJACENT ROADWAYS. IF EASEMENTS ARE REQUIRED TO BE SHOWN, IT IS RECOMMENDED THAT A TITLE REPORT IS PROCURED FOR BETTER REFERENCE TO POTENTIAL EASEMENTS THAT WOULD IMPACT FUTURE DESIGN AND CONSTRUCTION ON SITE.

BASIS OF BEARINGS AND COORDINATES:

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM NAD83, ZONE 5, EPOCH 2017.50 AS DETERMINED LOCALLY BY A LINE BETWEEN CONTINUOUS GLOBAL POSITIONING STATIONS (CGPS) AND/OR CONTINUOUS OPERATING REFERENCE STATIONS (CORS) VNCO & OVLS BEING NORTH 57-40-29 EAST AS DERIVED FROM GEODETIC VALUES PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC).

ELEVATIONS:

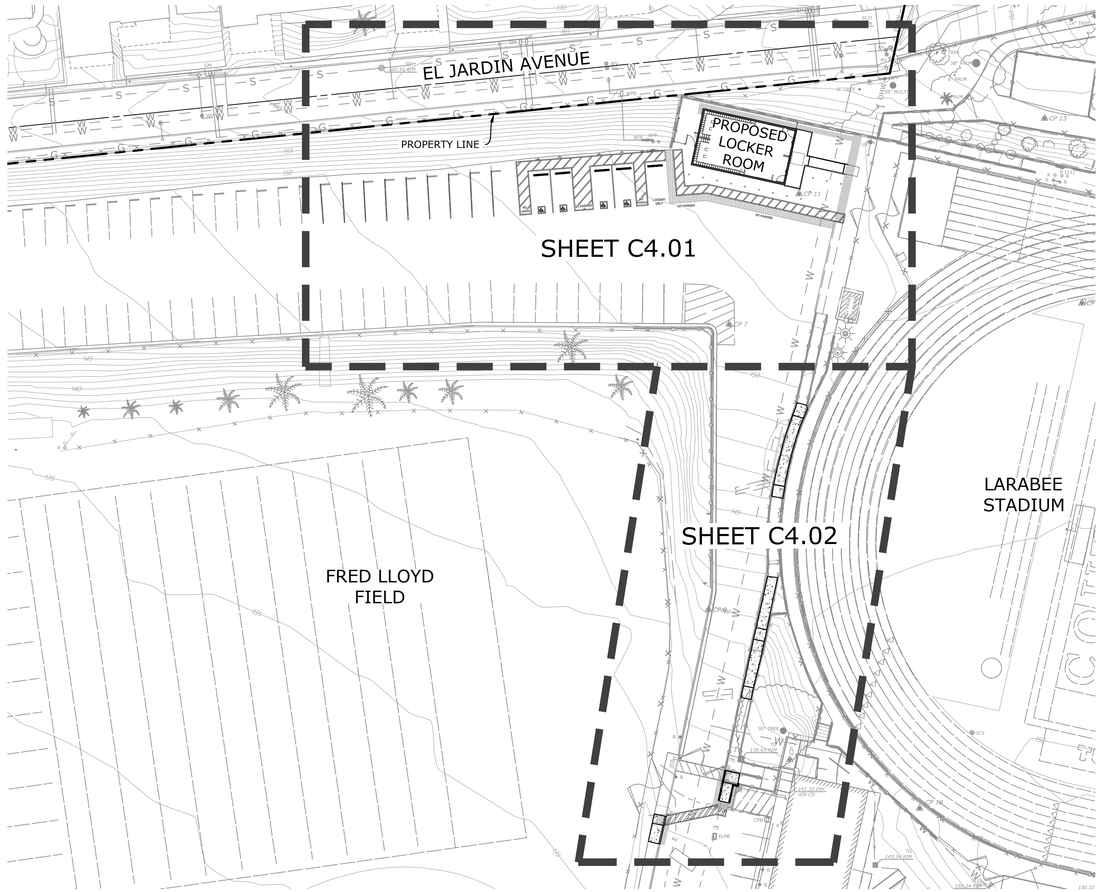
THE VERTICAL DATUM OF THIS SURVEY IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), PER GPS AND CONVENTIONAL TIES AND GEOID MODELING (GEOID12B) TO VENTURA COUNTY BENCHMARK PID 731, BEING A VENTURA COUNTY BRASS DISK STAMPED 12-101 HAVING AN ELEVATION OF 137.88 US SURVEY FEET.

UTILITIES:

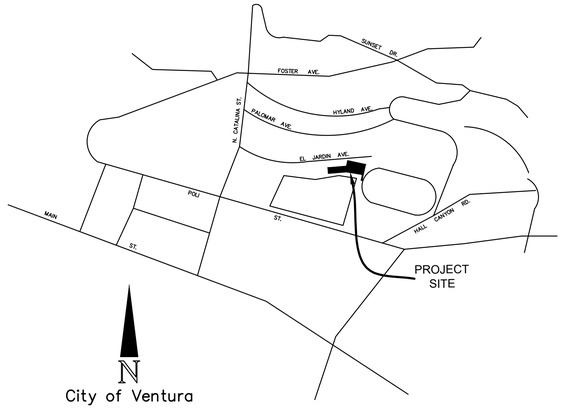
SURFACE UTILITY FEATURES SHOWN HEREON WERE LOCATED AS A PART OF THE FIELD SURVEY PERFORMED BY ECG BASED ON VISIBILITY ON THE DATE OF SURVEY. NO RESEARCH OR MAPPING OF SUBSURFACE UTILITIES HAS BEEN PERFORMED.

LEGEND

	PROPOSED AC PAVING
	PROPOSED PC CONCRETE PAVING
	PROPOSED SAWCUT
	PROPOSED FENCE
X X	EXISTING FENCE
	RIGHT OF WAY/PROPERTY LINE
151	EXISTING MINOR CONTOURS
150	EXISTING MAJOR CONTOURS
	EXISTING STREET CENTERLINE
OHW	EXISTING OVER HEAD WIRE
E	EXISTING ELECTRICAL LINE
G	EXISTING GAS LINE
W	EXISTING WATER LINE
SD	EXISTING STORM DRAIN LINE
FW	EXISTING FIREWATER LINE
S	EXISTING SEWER LINE
COMM	EXISTING COMMUNICATION LINE
152.19 FS	PROPOSED ELEVATION
(150.96) EG	EXISTING ELEVATION
1.5%	PROPOSED GRADE



INDEX MAP
SCALE: 1"=30'



VICINITY MAP
N.T.S.

ENGINEER'S NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES TO VERIFY THE LOCATION AND ANY DISCREPANCY BETWEEN THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER.

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITION DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR ALSO AGREES TO DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

JOSIAH D. JENISON — 77454 — R.C.E. — 12/18/2024 — DATE

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ABBREVIATIONS

ABBR	ABBREVIATION
A.C.	ASPHALT CONCRETE
A.C.P.	ASBESTOS CONCRETE PIPE
AP	ANGLE POINT
ARCH.	ARCHITECT
ASSOC.	ASSOCIATION
AVE	AVENUE
BC	BEGIN CURVE
BCR	BEGIN CURB RETURN
BDY.	BOUNDARY
BEG	BEGIN
BFP	BACKFLOW PREVENTER
BLDG	BUILDING
BOT	BOTTOM OF PIPE
BS	BOTTOM OF STEP
BVC	BEGIN VERTICAL CURVE
BW	BACK OF WALK OR BOTTOM OF WALL
CB	CATCH BASIN
CBC	CALIFORNIA BUILDING CODE
C-C	CENTER TO CENTER
CF	CURB FACE
CFS	CUBIC FEET PER SECOND
CL	CENTERLINE OR CLASS
CLF	CHAIN LINK FENCE
CLR	CLEAR
CMB	CRUSHED MISCELLANEOUS BASE
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
CONC	CONCRETE
CONT	CONTROL
CPS	CONNECTOR PIPE SCREEN
CT	COURT
DBL	DOUBLE
DES	DESIGN
DG	DECOMPOSED GRANITE
DI	DROP INLET
D.I.	DUCTILE IRON
DIA	DIAMETER
DR	DRIVE
DWG	DRAWING
EASE	EASEMENT
EBAA	EBAA IRON, INC.
EC	END CURVE
ECR	END CURB RETURN
EG	EXISTING GROUND
ELEC	ELECTRIC
ELEV	ELEVATION
E'LY	EASTERLY
ELLIP	ELLIPTICAL
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EVC	END VERTICAL CURVE
EQ	EQUIVALENT
FED.	FEDERAL
FF	FINISHED FLOOR
FG	FINISH GRADE
FL	FLOWLINE
FS	FINISHED SURFACE
FT/S	FEET PER SECOND
FUT	FUTURE
GB	GRADE BREAK
GF	GARAGE FLOOR
GM	GAS METER
G.P.	GRADING PERMIT
GV	GAS VALVE
HGL	HYDRAULIC GRADE LINE
HOA	HOME OWNERS ASSOCIATION
HORZ.	HORIZONTAL
HP	HIGH POINT
HPS	HIGH PRESSURE SODIUM
HW	HEADWALL
ICP	INTERLOCKING CONCRETE PAVERS
ICV	IRRIGATION CONTROL VALVE
INT.	INTERSECTION
INV	INVERT
IRR	IRRIGATION
LAT	LATERAL
LDM	LAND DEVELOPMENT MANUAL
LDSP	LANDSCAPE
LF	LINEAR FEET
LN	LANE
LP	LOW POINT
LT	LEFT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MOC	MIDDLE OF CURVE
N'LY	NORTHERLY
NO.	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CURB OR ON CURVE OR ON CENTER
OHW	OVERHEAD WIRE
PB	PULL BOX
P.C.C.	PORTLAND CEMENT CONCRETE OR POINT OF COMPOUND CURVE
PI	POINT OF INTERSECTION
P/L	PROPERTY LINE
PMB	PROCESSED MISC. BASE
POC	POINT OF CONNECTION
PRC	POINT OF REVERSE CURVE
PT	POINT
PTDF	PRESSURE TREATED DOUGLAS FIR
PUB	PUBLIC
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PVT	PRIVATE
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RET	RETAINING
RWGV	RESILIENT WEDGE GATE VALVE
R.O.W.	RIGHT OF WAY
RPD	RESIDENTIAL PLANNED DEVELOPMENT
RT	RIGHT
RW	RECLAIMED WATER
R/W	RIGHT OF WAY
SCE	SOUTHERN CALIFORNIA EDISON
SCO	SEWER CLEAN OUT
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SDR	STANDARD DIMENSION RATIO
S.E.	SAND EQUIVALENT
SF	SQUARE FOOT/FEET
SHT	SHEET
SHTS	SHEETS
S.L.	SEWER LATERAL
SLDS	STANDARD LAND DEVELOPMENT SPECIFICATIONS
S'LY	SOUTHERLY
SMH	SEWER MANHOLE
S.N.S.	STREET NAME SIGN
SPPWC	STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION
SS	SANITARY SEWER
SSPWC	STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION
ST	STREET
STD	STANDARD
SW	SIDEWALK
SWCT	SAWCUT
TC	TOP OF CURB
TEL	TELEPHONE
TG	TOP OF GRATE
TF	TOP OF FOOTING
TI	TRAFFIC INDEX
TMH	TELEPHONE MANHOLE
TOE	TOE OF SLOPE
TOP	TOP OF SLOPE OR PIPE
TPL	TRIPLE
TR	TRACT
TS	TOP OF STEP
TW	TOP OF WALL
TYP	TYPICAL
UG	UNDERGROUND
VAR	VARIES
V.C.	VERTICAL CURVE
VERT.	VERTICAL
VLT	VAULT
VLV	VALVE
W	WATER
W'LY	WESTERLY
WM	WATER METER
WSEL	WATER SURFACE ELEVATION
WV	WATER VALVE
W.W.M.	WELDED WIRE MESH
YR	YEAR

Know what's below. Call before you dig.

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DIV. OF THE STATE ARCHITECT
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DATE: 02/06/2025

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VENTURA UNIFIED SCHOOL DISTRICT

VENTURA HIGH SCHOOL PORT. TEAM ROOM

2 N CATALINA STREET, VENTURA, CA 93001

DSA SUBMITTAL
DSA A# 03-124683
DSA File No.: 56-H7

No.	Description	Date

Sheet Name

COVER SHEET

RNT Project No.	1023.00
Date	12/18/2024
Drawn by	MLEM
Checked by	JDJ

Sheet Number

C1.01

Autodesk Docs://1032 - VUSD Portable Athletic Bldg Ventura HS/1023 VUSD VHS Port Team Room - rvt22.rvt
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GENERAL NOTES

1. CONTRACTOR SHALL REVIEW GRADING AND DRAINAGE AND UTILITY PLANS; AND PROTECT ALL EXISTING FACILITIES TO REMAIN. ADJUST ALL UTILITY SURFACE FEATURES TO FINAL GRADES.
2. CONTRACTOR SHALL REMOVE ALL TREES AND EXISTING ROOTS SYSTEMS WITHIN THE PROJECT AREA TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
3. CONTRACTOR SHALL MAINTAIN UTILITY SERVICES TO EXISTING BUILDINGS AND HYDRANTS THROUGHOUT CONSTRUCTION AND COORDINATE ANY SHUT DOWNS WITH THE OWNER'S REPRESENTATIVE.
4. CONTRACTOR SHALL THOROUGHLY REVIEW CONSTRUCTION DOCUMENTS IN THEIR ENTIRETY FOR PROJECT DEMOLITION AND CONSTRUCTION.
5. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION AND REMOVAL OF ALL EXISTING FACILITIES AND FEATURES WITHIN THE PROJECT LIMIT WHICH ARE REQUIRED FOR THE PROJECT CONSTRUCTION. CONTRACTOR SHALL PROTECT ALL EXISTING FACILITIES THAT ARE TO REMAIN IN PLACE AND PROMPTLY REPAIR ANY DAMAGES CAUSED BY DEMOLITION AND CONSTRUCTION AT ITS OWN EXPENSE. ALL EXISTING UTILITIES WITHIN THE BUILDING FOOTPRINT SHALL BE CAPPED AT THE NEAREST TEE, VALVE, OR MANHOLE. CONTRACTOR SHALL REMOVE ALL DEMOLITION/WASTE MATERIALS FROM THE PROJECT SITE AND LEGALLY DISPOSE OF THEM AT A DUMP SITE OFF-CAMPUS.
6. REVIEW LANDSCAPE PLANS FOR IRRIGATION DESIGN TO REMOVE EXISTING IRRIGATION SYSTEM IN CONFLICT WITH CONSTRUCTION, AND CONSTRUCT NEW FACILITIES.
7. CONTRACTOR SHALL CONSTRUCT EROSION CONTROL DEVICES PER PROJECT EROSION CONTROL PLANS AND AS REQUIRED FOR SITE CONDITIONS. NO SILT AND DEBRIS SHALL BE ALLOWED TO DEPART FROM THE CONSTRUCTION LIMITS OR ENTER THE STORM DRAIN SYSTEM.
8. CONTRACTOR SHALL PREPARE AND PROVIDE ALL CONSTRUCTION STAKING FOR THE CONSTRUCTION OF THIS PROJECT.
9. CONTRACTOR SHALL USE PROVIDED COORDINATES TO INITIALLY LOCATE THE BUILDINGS AND CONSTRUCT THE BUILDINGS PER THE ARCHITECTURAL PLANS. THE AUTOCAD DRAWING FILES MAY BE PROVIDED TO THE CONTRACTOR FOR STAKING PURPOSES DURING CONSTRUCTION.
10. CONTRACTOR SHALL PROVIDE A SUITABLE STABILIZED CONSTRUCTION ENTRANCE/EXIT AT ALL ACCESS POINTS FROM THE JOB SITE TO PREVENT TRACKING OF MUD ONTO CAMPUS AND PUBLIC ROADS. ADDITIONALLY PROVIDE SWEEPER SERVICE ON THE FREQUENCY NECESSARY TO MITIGATE UNDESIRABLE CONDITIONS, AS APPROVED BY THE OWNER'S REPRESENTATIVE.
11. CONTRACTOR SHALL SUBMIT A DRAWING OF THE PROPOSED STAGING AREA AND CONSTRUCTION FENCING TO THE OWNER'S REPRESENTATIVE FOR APPROVAL. CONSTRUCTION STAGING SHALL NOT BLOCK FIRE ENGINE ACCESS OR EXISTING FIRE HYDRANTS.

GENERAL DEMOLITION NOTES

1. DEMOLITION SHALL CONSIST OF FURNISHING ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO REMOVE EXISTING STRUCTURES, UTILITIES, AND ALL OTHER MATERIAL FROM THE PROJECT SITE.
2. DISPOSAL OF MATERIALS SHALL BE DONE IN A SAFE AND LEGAL MANNER AND SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL REGULATIONS.
3. THE CONTRACTOR SHALL CONTINUOUSLY CLEAN AND REMOVE DEMOLISHED MATERIALS FROM THE SITE EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE. DO NOT ALLOW MATERIALS TO ACCUMULATE ON SITE.
4. EXISTING UNDERGROUND UTILITIES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPLACE IN-KIND ANY ITEMS DAMAGED DURING THE DEMOLITION PROCESS THAT ARE INTENDED TO REMAIN.
6. ALL EXISTING LANDSCAPE INSIDE THE LIMITS OF WORK SHALL BE REMOVED, UNLESS OTHERWISE NOTED ON THE PLANS.
7. ALL SURFACE FEATURES FOR EXISTING UNDERGROUND UTILITIES SHALL REMAIN AND BE ADJUSTED TO MATCH NEW FINISH GRADE - UNLESS OTHERWISE NOTED.
8. SAWCUT EXISTING PAVEMENT FULL DEPTH TO A CLEAN STRAIGHT EDGE.
9. ALL TREE ROOTS, ABANDONED IRRIGATION LINES, UTILITY SERVICES, SEPTIC TANKS (AS NOTED) AND SIMILAR MATERIALS SHALL BE REMOVED FROM THE SITE AND VOIDS CREATED THEREBY SHALL BE PROPERLY FILLED AND COMPACTED AS DIRECTED BY THE ENGINEER.
10. CONTRACTOR TO COORDINATE WITH CITY STAFF FOR LOCATION OF EXISTING COMMUNICATION AND ELECTRICAL STUBS.
11. EXCAVATIONS AND DEPRESSIONS RESULTING FROM FOUNDATION AND BELOW-GRADE STRUCTURE REMOVAL SHALL NOT BE FILLED IN PRIOR TO OBSERVATION BY THE GEOTECHNICAL REPRESENTATIVE.
12. CONTRACTOR SHALL PROVIDE LATERAL SUPPORT OF EXCAVATIONS, AS NEEDED, TO PREVENT LATERAL AND VERTICAL MOVEMENT OF ADJACENT EXISTING FACILITIES.

GRADING NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE CALIFORNIA BUILDING CODE. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTIONS (GREEN BOOK) LATEST EDITION AND AMENDMENTS WHENEVER SPECIAL REQUIREMENTS CONFLICT ON ANY SUBJECT MATTER. THE ENGINEER OF RECORD AND/OR HIS REPRESENTATIVE WILL DETERMINE WHICH SPECIAL REQUIREMENT AND/OR CODE WILL GOVERN.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING AND DISPOSAL OF THE PROPOSED WORK AREA.
3. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS IN ACCORDANCE WITH CITY, COUNTY, AND STATE ORDINANCES AND STATUTES.
4. NO FILL SHALL BE PLACED ON THE EXISTING GROUND UNTIL THE GROUND HAS BEEN CLEARED OF WEEDS, DEBRIS, TOPSOIL, DELETERIOUS MATERIAL AND SCARFIED PER THE PROJECT SPECIFICATIONS.
5. CUT AND FILL SLOPES SHALL BE NO STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL.
6. FILLS SHALL BE COMPACTED THROUGHOUT TO THE MAXIMUM DENSITY AS DETERMINED THE GEOTECHNICAL ENGINEER.
7. AREAS TO RECEIVE FILL SHALL BE PROPERLY PREPARED AND APPROVED BY THE GEOTECHNICAL ENGINEER AND/OR HIS REPRESENTATIVE PRIOR TO PLACING OF FILL.
8. FILL SLOPES SHALL BE KEYED AND BENCHED WITH APPROVED MATERIAL AND PER THE RECOMMENDATIONS OF THE PROJECT SOILS REPORT.
9. ALL EXISTING FILLS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER AND OR HIS REPRESENTATIVE BEFORE ANY ADDITIONAL FILLS ARE ADDED.
10. ANY EXISTING IRRIGATION LINES AND CISTERNS SHALL BE REMOVED OR CRUSHED IN PLACE AND BACKFILLED AND APPROVED BY THE GRADING INSPECTOR AND GEOTECHNICAL ENGINEER, UNLESS OTHERWISE NOTED ON THE PLANS.
11. SLOPES EXCEEDING FIVE FEET IN HEIGHT MUST BE PLANTED AND AN APPROVED IRRIGATION SYSTEM SHALL BE INSTALLED.
12. ALL TRENCH BACKFILLS SHALL BE TESTED AND APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER PER THE GRADING AND EXCAVATION CODE.
13. ALL CUT SLOPES SHALL BE INVESTIGATED BOTH DURING AND AFTER GRADING BY AN ENGINEERING GEOLOGIST TO DETERMINE IF ANY SLOPE STABILITY PROBLEM EXISTS SHOULD EXCAVATION DISCLOSE ANY GEOLOGICAL HAZARDS OR POTENTIAL GEOLOGICAL HAZARDS. THE ENGINEERING GEOLOGIST SHALL RECOMMEND NECESSARY TREATMENT TO THE CONSTRUCTION MANAGER FOR APPROVAL.

GRADING NOTES (CONTINUED)

14. THE FINAL COMPACTION REPORT AND APPROVAL FROM THE GEOTECHNICAL ENGINEER SHALL CONTAIN THE TYPE OF FIELD TESTING PERFORMED. THE METHOD OF OBTAINING THE IN-PLACE DENSITY, WHETHER SAND CONE, NUCLEAR GAGE, OR DRIVE RING SHALL BE NOTED FOR EACH TEST. SUFFICIENT MAXIMUM DENSITY DETERMINATIONS SHALL BE PERFORMED TO VERIFY THE ACCURACY OF THE MAXIMUM DENSITY CURVES USED BY THE FIELD TECHNICIAN.
15. SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE.
16. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF AND PROTECT ALL EXISTING UTILITIES AND TO ENSURE SERVICE IS NOT DISRUPTED TO EXISTING FACILITIES.
17. ALL EXISTING DRAINAGE COURSES ON THE PROJECT SITE MUST CONTINUE TO FUNCTION, ESPECIALLY DURING STORM CONDITIONS AND APPROVED PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE USED TO PROTECT ADJOINING PROPERTIES DURING THE GRADING PROJECT. IN ALL CASES, THE CONTRACTOR SHALL BE HELD LIABLE FOR ANY DAMAGE DUE TO CONSTRUCTING NATURAL OR EXISTING DRAINAGE PATTERNS.
18. WHENEVER THERE IS AN EXISTING CATCH BASIN ALONG OR ADJACENT TO THE CONSTRUCTION SITE FRONTAGE, AN ON-SITE STORM DRAIN OR SWALE SHALL BE CONSTRUCTED TO CONVEY WATER DIRECTLY TO THE BASIN. EXCEPTIONS SHALL REQUIRE APPROVAL BY THE CIVIL ENGINEER.
19. ALL PLANTERS ADJACENT TO THE FOUNDATIONS SHALL BE SEALED ALONG SIDE OF THE FOUNDATION FOOTING AND EXTENDED UNDER THE PLANTER AREA TO A MINIMUM OF 12 INCHES TO PREVENT MOISTURE FROM REACHING THE FOUNDATION SUBGRADE SOILS.
20. EXPORT SOILS MUST GO TO A LEGAL DUMP SITE OR TO A PERMITTED SITE APPROVED BY THE LOCAL AGENCY HAVING JURISDICTION.
21. ANY DIRT, ROCK OR CONSTRUCTION MATERIAL THAT MAY BE TRACKED OR DROPPED WITHIN THE PUBLIC RIGHT-OF-WAY DURING THE TRANSPORTATION OF SAID MATERIAL OR EQUIPMENT ASSOCIATED WITH THE PROJECT SHALL BE CLEANED OR REMOVED DAILY AND AS DEEMED NECESSARY BY THE CONSTRUCTION MANAGER.
22. DIRT ACCESS RAMPS OVER CURB AND GUTTER TO CONSTRUCTION SITE ARE NOT ALLOWED. WHEN NECESSARY FOR ENTRANCE TO SUCH CONSTRUCTION SITES, ASPHALT RAMPS WITH A MINIMUM 3" DIAMETER PIPE WILL BE CONSTRUCTED TO CONVEY GUTTER DRAINAGE. ALL BASE, GRAVEL, SOIL OR OTHER MATERIAL CARRIED INTO THE ROADWAY BY CONTRACTORS PERSONNEL OR EQUIPMENT WILL BE CLEANED AS NECESSARY AND NO LESS THAN ONCE A DAY. TRUCKS HAULING BASE, GRAVEL, FILL OR EXPORT MATERIALS WILL BE TARPED AS NECESSARY TO PREVENT MATERIAL FROM SPILLING INTO THE ROADWAY.
23. PRIOR TO ANY CONSTRUCTION WHICH INVOLVES HAZARDOUS CONDITIONS, THE CONTRACTOR SHALL FIRST OBTAIN A PERMIT FROM THE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH (OSHA).
24. PROPOSED REVISIONS TO THE GRADING PLAN SHALL BE DRAWN IN RED PENCIL ON BOND COPIES OF THE APPROVED PLAN. THESE REDLINES ARE THEN TO BE SUBMITTED TO THE OWNERS REPRESENTATIVES FOR REVIEW AND APPROVAL. ONLY AFTER THE BOND COPIES APPROVAL IS GIVEN SHOULD THE ORIGINALS BE AS-BUILT BY THE ENGINEER/ARCHITECT.
25. RULE 403, AIR QUALITY CONTROL MANAGEMENT DISTRICT, MUST BE IMPLEMENTED DURING CONSTRUCTION.
    a. A PERSON SHALL NOT CAUSE OR ALLOW THE EMISSIONS OF FUGITIVE DUST FROM ANY TRANSPORT, HANDLING, CONSTRUCTION OR STORAGE ACTIVITY SO THAT THE PRESENCE OF SUCH DUST REMAINS VISIBLE IN THE ATMOSPHERE BEYOND THE PROPERTY LINE OF THE EMISSION SOURCE. (DOES NOT APPLY TO EMISSION EMANATING FROM UNPAVED ROADWAYS OPEN TO PUBLIC TRAVEL OR FARM ROADS. THIS EXCLUSION SHALL NOT APPLY TO INDUSTRIAL OR COMMERCIAL FACILITIES).
    b. A PERSON SHALL TAKE EVERY REASONABLE PRECAUTION TO MINIMIZE FUGITIVE DUST EMISSIONS FROM WRECKING EXCAVATION GRADING, CLEARING OF LAND AND SOLID WASTE DISPOSAL OPERATIONS.
    c. A PERSON SHALL NOT CAUSE OR ALLOW PARTICULATE MATER TO EXCEED 100 MICROGRAMS PER CUBIC METER WHEN DETERMINED AS THE DIFFERENCE BETWEEN UPWIND AND DOWN WIND SAMPLES COLLECTED ON HIGH VOLUME SAMPLERS AT THE PROPERTY LINE FOR A MINIMUM OF FIVE HOURS.
    d. A PERSON SHALL TAKE EVERY REASONABLE PRECAUTION TO PREVENT VISIBLE PARTICULATE WATER FROM BEING DEPOSITED UPON PUBLIC ROADWAYS. PRECAUTIONS SHALL INCLUDE BUT ARE NOT LIMITED TO, THE REMOVAL OF PARTICULATE MATTER FROM EQUIPMENT PRIOR TO MOVEMENT ON PAVED STREETS ONTO WHICH SUCH MATERIAL HAS BEEN DEPOSITED.
    e. SUBSECTIONS (A) AND (B) SHALL NOT BE APPLICABLE WHEN THE WIND SPEED INSTANTANEOUSLY EXCEEDS 40 KILOMETERS (25 MILES) PER HOUR, OR WHEN THE AVERAGE WIND SPEED IS GREATER THAN 24 KILOMETERS (15 MILES) PER HOUR. THE AVERAGE WIND SPEED DERMINATIONS SHALL BE ON A 15 MINUTE AVERAGE AT THE NEAREST OFFICIAL AIR-MONITORING STATION OR BY WIND INSTRUMENT LOCATED AT THE SITE BEING CHECKED.
26. CONTRACTORS SHALL USE LOW EMISSION MOBILE CONSTRUCTION EQUIPMENT DURING ALL SITE PREPARATION, GRADING AND CONSTRUCTION ACTIVITIES, WHERE FEASIBLE.
27. CONTRACTORS SHALL MAINTAIN ALL CONSTRUCTION ENGINES TUNED CONSISTENT WITH MANUFACTURER'S SPECIFICATIONS DURING ALL SITE PREPARATION, GRADING AND CONSTRUCTION ACTIVITIES.
28. CONTRACTORS SHALL USE LOW SULFUR FUEL FOR STATIONARY CONSTRUCTION EQUIPMENT AS REQUIRED BY AQMD RULES 431.1 AND 431.2 AND SHALL USE EXISTING POWER SOURCES AND CLEAN FUEL GENERATORS AS FEASIBLE, DURING ALL SITE PREPARATION, GRADING AND CONSTRUCTION ACTIVITIES.
29. CONSTRUCTION PARKING SHALL BE ONSITE. TRAFFIC CONTROL AND ACCESS SHALL BE IN ACCORDANCE WITH COUNTY CONSTRUCTION REQUIREMENTS. CONSTRUCTION VEHICLE ROUTES SHALL NOT DISRUPT SCHOOL OPERATIONS.
30. THE SPEED OF TRUCKS ONSITE SHALL BE LIMITED TO 15 MPH.
31. TRUCKS AND LARGE CONSTRUCTION VEHICLES WILL OBTAIN APPROVED TRUCK ROUTES FROM THE AGENCIES HAVING JURISDICTION OVER PROPOSED ROUTES.
32. THE CONTRACTOR SHALL CONTROL DUST IN AREAS USED FOR OFF-ROAD PARKING MATERIALS LAYDOWN OR THOSE AWAITING FUTURE CONSTRUCTION. FREQUENTLY ACCESSED AREAS SHALL BE PAVED AS EARLY AS POSSIBLE TO MINIMIZE DIRT TRACKOUT TO THE PUBLIC RIGHT OF WAY.
33. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING MEASURES:
    a. CESSATION OF ACTIVITIES DURING A STAGE-2 SMOG EPISODE. CALL 1-800-242-4022 FOR THE DAILY SMOG FORECAST.
    b. TRUCK ROUTES AND SCHEDULES FOR THE RECEIPT OF MATERIALS SHALL BE COORDINATED WITH THE MANAGER OF BUILDING AND SAFETY.
    c. WHERE FEASIBLE, ON-ROAD VEHICLES AND OFF-ROAD EQUIPMENT SHALL BE TURNED OFF AND SUBSEQUENTLY RESTARTED IF THE ANTICIPATED DURATION OF IDLING IS EXPECTED TO EXCEED FIVE (5) MINUTES.
34. THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING HIGH WIND DUST CONTROL WHEN WIND GUSTS EXCEED 25 MPH:
    a. TERMINATION/MODIFICATION OF OPERATION OF SCRAPERS, GRADERS OR DOZERS ON UNPAVED SURFACES UNTIL WINDS SUBSIDE.
    b. APPLICATION OF WATER AS NEEDED TO ANY UNPAVED SURFACE WITH VEHICLE OR EQUIPMENT OPERATIONS.
    c. APPLICATION OF WATER OR OTHER DUST CONTROL MATERIAL TO ANY PREVIOUSLY GRADED SURFACE IF DUST EMANATION IS VISIBLE FROM SUCH A SURFACE.
35. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EQUIPMENT TO PREVENT VISIBLE SOOT FROM REDUCING LIGHT TRANSMISSION THROUGH THE EXHAUST STACK BY MORE THAN 20 PERCENT FOR MORE THAN THREE MINUTES PER HOUR AND USE LOW-SULFER FUEL AS REQUIRED BY SCAQMD REGULATIONS.
36. TRUCKS USED IN HAULING DIRT TO OR FROM THE SITE ON PUBLIC ROADS WILL BE COVERED OR WILL MAINTAIN A SIX INCH DIFFERENTIAL BETWEEN THE MAXIMUM HEIGHT OF ANY HAULED MATERIAL AND THE TOP OF THE TRAILER. HAUL TRUCK DRIVERS WILL LOAD PRIOR TO LEAVING THE SITE TO PREVENT SOIL LOSS DURING TRANSPORTATION.
37. PURSUANT TO SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE, EXISTING SURVEY MONUMENTS SHALL BE NOTED AND DOCUMENTED BEFORE CONSTRUCTION. IF MONUMENTS ARE DISTURBED DURING CONSTRUCTION, THE CONTRACTOR SHALL PAY A LICENSED LAND SURVEYOR OR REGISTERED ENGINEER TO RESET SUCH MONUMENTS.

EXISTING UTILITY NOTES

1. THE GENERAL CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT AND NOTIFY APPROPRIATE UTILITY AGENCIES TO VERIFY AND LOCATE ALL EXISTING UNDERGROUND UTILITIES BEFORE COMMENCING ANY EXCAVATION.
2. THE GENERAL CONTRACTOR SHALL POTHOLE TO LOCATE AND VERIFY ALL EXISTING UTILITIES, POINT OF CONNECTIONS, AND CROSSINGS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNERS REPRESENTATIVE.
3. THE LOCATIONS OF EXISTING AND NEW UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY; ALL UTILITIES MAY NOT BE SHOWN.
4. SOME IRRIGATION PIPING AND ELECTRICAL CONDUIT LOCATIONS AND SIZES ARE UNKNOWN AND NOT IDENTIFIED HEREON.
5. SUBSURFACE UTILITIES SHOWN HEREON HAVE BEEN COMPILED FROM RECORD INFORMATION GATHERED FROM VARIOUS SOURCES. THE SUBSURFACE INFORMATION, INCLUDING LOCATION, SIZES, AND CAPACITIES IS AN ESTIMATION BASED ON AVAILABLE DATA AND MAY NOT REPRESENT ACTUAL FIELD CONDITIONS. ECG DOES NOT WARRANT THE ACCURACY OF COMPLETENESS OF SAID RECORD INFORMATION.
6. THE CONTRACTOR, BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO, UNDERSTANDS THAT THEY AGREE TO ASSUME LIABILITY, AND AGREE TO HOLD THE UNDERSIGNED HARMLESS FOR ANY LIABILITY FOR DAMAGE RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED, NOT INDICATED ON THE RECORDS PROVIDED, LOCATED AT VARIANCE WITH THAT REPORTED OR SHOWN ON AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING TO WORK.
7. THE CONTRACTOR SHALL MAINTAIN EXISTING UTILITY SERVICES TO BUILDINGS OR OTHER STRUCTURES INTENDED TO REMAIN IN OPERATIONAL SERVICE DURING THE COURSE OF CONSTRUCTION.

STORMWATER POLLUTION PLAN NOTES

1. IN CASE OF EMERGENCY CALL:_____
2. A STAND-BY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (NOVEMBER 1 TO APRIL 15). NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.
3. EROSION CONTROL DEVICES SHOWN ON THIS PLAN MAY BE REMOVED WHEN APPROVED BY THE BUILDING OFFICIAL IF THE GRADING OPERATION HAS PROGRESSED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED.
4. GRADED AREAS ADJACENT TO FILL SLOPES LOCATED AT THE SITE PERIMETER MUST DRAIN AWAY FROM THE TOP OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY. ALL LOOSE SOILS AND DEBRIS THAT MAY CREATE A POTENTIAL HAZARD TO OFF-SITE PROPERTY SHALL BE STABILIZED OR REMOVED FROM THE SITE ON A DAILY BASIS.
5. ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM AND BE DISPOSED OF PROPERLY.
6. A GUARD SHALL BE POSTED ON THE SITE WHENEVER THE DEPTH OF WATER IN ANY DEVICE EXCEEDS TWO FEET. THE DEVICE SHALL BE DRAINED OR PUMPED DRY WITHIN 24 HOURS AFTER EACH RAINSTORM. PUMPING AND DRAINING OF ALL BASINS AND DRAINAGE DEVICES MUST COMPLY WITH THE APPROPRIATE BMP FOR DEWATERING OPERATIONS.
7. THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE AND CONTAIN POLLUTANTS WITHIN THE SITE IS LEFT TO THE DISCRETION OF THE FIELD ENGINEER. ADDITIONAL DEVICES AS NEEDED SHALL BE INSTALLED TO RETAIN SEDIMENTS AND OTHER POLLUTANTS ON SITE.
8. DESILTING BASIN MAY NOT BE REMOVED OR MADE INOPERABLE BETWEEN NOVEMBER 1 AND APRIL 15 OF THE FOLLOWING YEAR WITHOUT THE APPROVAL OF THE BUILDING OFFICIAL. STORM WATER POLLUTION AND EROSION CONTROL DEVICES ARE TO BE MODIFIED, AS NEEDED, AS THE PROJECT PROGRESSES, THE DESIGN AND PLACEMENT OF THESE DEVICES IS THE RESPONSIBILITY OF THE FIELD ENGINEER.
9. PLANS REPRESENTING CHANGES MUST BE SUBMITTED FOR APPROVAL IF REQUESTED BY THE BUILDING OFFICIAL.
10. EVERY EFFORT SHOULD BE MADE TO ELIMINATE THE DISCHARGE OF NON STORM WATER FROM THE PROJECT SITES AT ALL TIMES.
11. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON-SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES OR WIND.
12. STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
13. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND AREA NOT TO CONTAMINATE THE SOILS AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
14. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON-SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
15. CONTRACTORS ARE RESPONSIBLE TO INSPECT ALL EROSION CONTROL DEVICES BMPs ARE INSTALLED AND FUNCTIONING PROPERLY IF THERE IS A 40% CHANCE OF 0.25 INCHES OR GREATER OF PREDICTED PRECIPITATION, AND AFTER ACTUAL PRECIPITATION. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE BUILDING OFFICIAL. (COPIES OF THE SELF INSPECTION CHECK LIST AND INSPECTION LOGS ARE AVAILABLE UPON REQUEST).
16. TRASH AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OR RAINWATER AND DISPERSAL BY WIND.
17. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
18. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
19. THE FOLLOWING BMPs FROM THE "CALIFORNIA STORM WATER BMP CONSTRUCTION HANDBOOK" - LATEST EDITION, MUST BE IMPLEMENTED FOR ALL CONSTRUCTION ACTIVITIES AS APPLICABLE.

EROSION CONTROL:

EC-1	SCHEDULING
EC-2	PRESERVATION OF EXISTING VEGETATION
EC-3	HYDRAULIC MULCH
EC-4	HYDROSEEDING
EC-5	SOIL BINDERS
EC-6	STRAW MULCH
EC-7	GEOTEXTILES & MATS
EC-8	WOOD MULCHING
EC-9	EARTH DIKES AND DRAINAGE SWALES
EC-10	VELOCITY DISSIPATION DEVICES
EC-11	SLOPE DRAINS
EC-12	STREAMBANK STABILIZATION
EC-13	RESERVED
EC-14	COMPOST BLANKETS
EC-15	SOIL PREPARATION/ROUGHENING
EC-16	NON-VEGETATIVE STABILIZATION

TEMPORARY SEDIMENT CONTROL:

SE-1	SILT FENCE
SE-2	SEDIMENT BASIN
SE-3	SEDIMENT TRAP
SE-4	CHECK DAM
SE-5	FIBER ROLLS
SE-6	GRAVEL BAG BERM
SE-7	STREET SWEEPING AND VACUUMING
SE-8	SANDBAG BARRIER
SE-9	STRAW BALE BARRIER
SE-10	STORM DRAIN INLET PROTECTION
SE-11	ACTIVE TREATMENT SYSTEMS
SE-12	TEMPORARY SILT DIKE
SE-13	COMPOST SOCKS AND BERMS
SE-14	BIOFILTER BAGS

EQUIPMENT TRACKING CONTROL:

TC-1	STABILIZED CONSTRUCTION ENTRANCE/EXIT
TC-2	STABILIZED CONSTRUCTION ROADWAY
TC-3	ENTRANCE/OUTLET TIRE WASH

WIND EROSION CONTROL:

WE-1	WIND EROSION CONTROL

NON-STORMWATER MANAGEMENT:

NS-1	WATER CONSERVATION PRACTICES
NS-2	DEWATERING OPERATIONS
NS-3	PAVING AND GRINDING OPERATIONS
NS-4	TEMPORARY STREAM CROSSING
NS-5	CLEAR WATER DIVERSION
NS-6	ILLICIT CONNECTION/DISCHARGE
NS-7	POTABLE WATER/IRRIGATION
NS-8	VEHICLE AND EQUIPMENT CLEANING
NS-9	VEHICLE AND EQUIPMENT FUELING
NS-10	VEHICLE AND EQUIPMENT MAINTENANCE
NS-11	PILE DRIVING OPERATIONS
NS-12	CONCRETE CURING
NS-13	CONCRETE FINISHING
NS-14	MATERIAL OVER WATER
NS-15	DEMOLITION ADJACENT TO WATER
NS-16	TEMPORARY BATCH PLANTS

WASTE MANAGEMENT & MATERIAL POLLUTION CONTROL:

WM-1	MATERIAL DELIVERY AND STORAGE
WM-2	MATERIAL USE
WM-3	STOCKPILE MANAGEMENT
WM-4	SPILL PREVENTION AND CONTROL
WM-5	SOLID WASTE MANAGEMENT
WM-6	HAZARDOUS WASTE MANAGEMENT
WM-7	CONTAMINATED SOIL MANAGEMENT
WM-8	CONCRETE WASTE MANAGEMENT
WM-9	SANITARY/SEPTIC WASTE MANAGEMENT
WM-10	LIQUID WASTE MANAGEMENT

NOTE:
SITE INSPECTIONS ARE REQUIRED BEFORE AND AFTER STORMS TO ENSURE THAT ALL BMP'S ARE FUNCTIONAL AND TO DETERMINE MAINTENANCE.

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GENERAL NOTES

RNT Project No.	1023.00
Date	12/16/2024
Drawn by	MLEM
Checked by	JDJ

Sheet Number

C1.02

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EL JARDIN AVENUE

PROPERTY LINE

PROPERTY LINE

PROTECT EXISTING WALL AND FOOTING IN PLACE.

PROTECT EXISTING BOLLARDS IN PLACE.

PROTECT EXISTING FENCE IN PLACE

PROTECT EXISTING TRUNCATED DOMES IN PLACE.

PROTECT EXISTING WATER LINE IN PLACE.

REMOVE AND REPLACE TRUNCATED DOMES TO END OF NEAREST PANEL

MATCHLINE A-A - SEE SHEET C2.02

FRED LLOYD FIELD

LARABEE STADIUM

Dense Vegetation
Ground Obscured

SMH
160.55 RIM

SCO
164.08 RIM

69.3'

37.5'

DEMOLITION NOTES

1	SAWCUT AND REMOVE EXISTING TRUNCATED DOMES, PAVEMENT UNDERNEATH, AND 0" CONCRETE CURB TO LIMITS SHOWN.
2	REMOVE EXISTING PARKING STALL STRIPING.
3	REMOVE EXISTING WHEEL STOP.
4	PROTECT EXISTING WHEEL STOP IN PLACE.
5	PROTECT EXISTING STRIPING IN PLACE.
6	SAWCUT AND REMOVE EXISTING AC PAVING TO LIMITS SHOWN.
7	SAWCUT AND REMOVE EXISTING PCC PAVING TO LIMITS SHOWN.
8	SAWCUT AND REMOVE EXISTING PCC CURB/WALL AND HAND RAIL TO LIMITS SHOWN.
9	SAWCUT AND REMOVE EXISTING PCC CURB TO LIMITS SHOWN.
10	REMOVE EXISTING BOLLARD AND FOOTING.
11	REMOVE AND RELOCATE EXISTING STORM DRAIN CATCH BASIN PER GRADING PLAN.
12	PROTECT EXISTING UTILITY IN PLACE.

DEMOLITION LEGEND

- PROPOSED SAWCUT
- EXISTING AC PAVING REMOVAL
- EXISTING PCC PAVING REMOVAL
- EXISTING STREET CENTERLINE
- EXISTING RIGHT OF WAY/PROPERTY LINE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING SEWER LINE
- EXISTING STORM DRAIN LINE
- EXISTING OVERHEAD WIRE
- EXISTING ELECTRICAL LINE
- EXISTING COMMUNICATION LINE

N W E S

SCALE: 1"=10'
0 10 20 30

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DEMOLITION PLAN

RNT Project No.	1023.00
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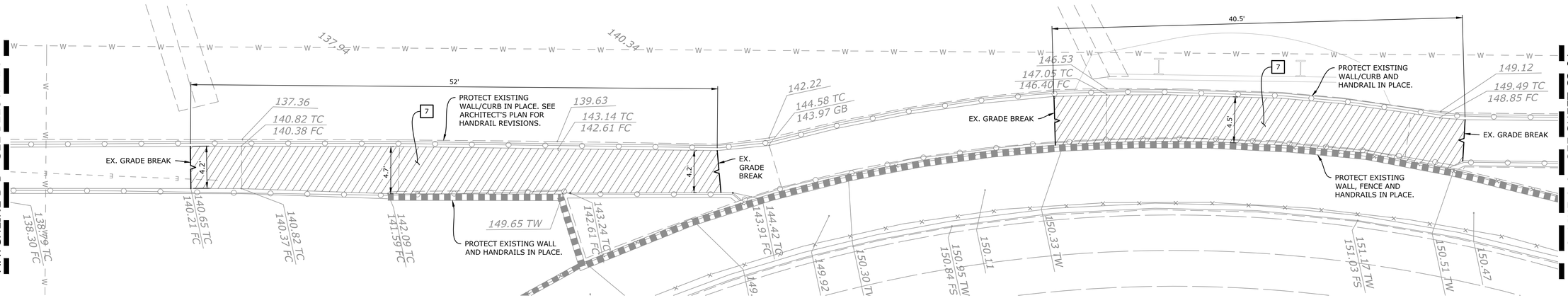
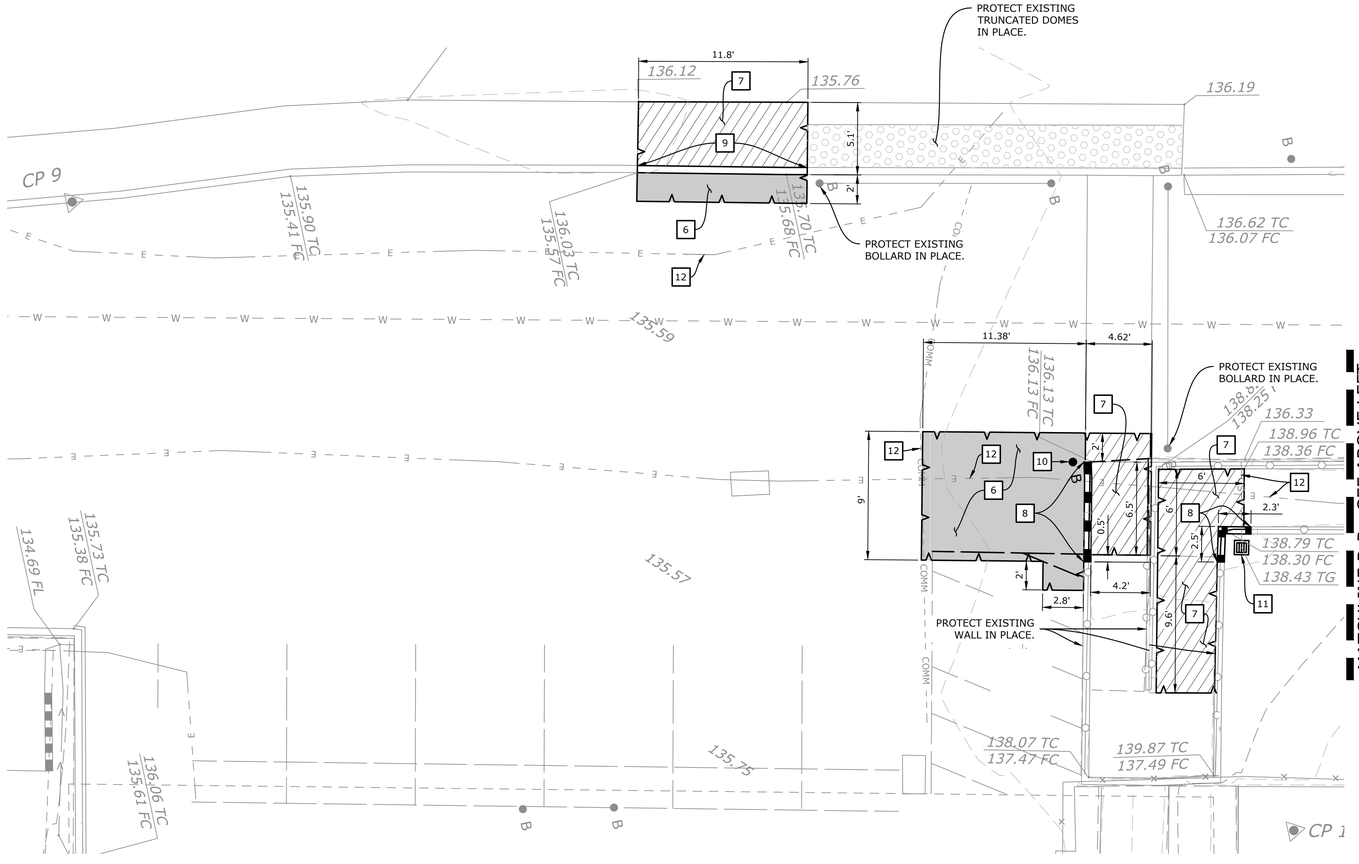
Drawn by	MLEM
Checked by	JDJ

Sheet Number

C2.01





DEMOLITION NOTES

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2	REMOVE EXISTING PARKING STALL STRIPING.
3	REMOVE EXISTING WHEEL STOP.
4	PROTECT EXISTING WHEEL STOP IN PLACE.
5	PROTECT EXISTING STRIPING IN PLACE.
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7	SAWCUT AND REMOVE EXISTING PCC PAVING TO LIMITS SHOWN.
8	SAWCUT AND REMOVE EXISTING PCC CURB/WALL AND HAND RAIL TO LIMITS SHOWN.
9	SAWCUT AND REMOVE EXISTING PCC CURB TO LIMITS SHOWN.
10	REMOVE EXISTING BOLLARD AND FOOTING.
11	REMOVE AND RELOCATE EXISTING STORM DRAIN CATCH BASIN PER GRADING PLAN.
12	PROTECT EXISTING UTILITY IN PLACE.

DEMOLITION LEGEND

- PROPOSED SAWCUT
- EXISTING AC PAVING REMOVAL
- EXISTING PCC PAVING REMOVAL
- EXISTING STREET CENTERLINE
- EXISTING RIGHT OF WAY/PROPERTY LINE
- W — EXISTING WATER LINE
- G — EXISTING GAS LINE
- S — EXISTING SEWER LINE
- SD — EXISTING STORM DRAIN LINE
- OHW — EXISTING OVERHEAD WIRE
- E — EXISTING ELECTRICAL LINE
- COMM — EXISTING COMMUNICATION LINE

SCALE: 1"=5'
0 5 10 15

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DEMOLITION PLAN

RNT Project No.	1023.00
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EROSION CONTROL CONSTRUCTION NOTES

1. CONSTRUCT TEMPORARY GRAVEL BAG CHECK DAM OR CATCH BASIN SEDIMENT BARRIER PER BMP SE-4 AND SE-10 IN CURRENT CASQA CONSTRUCTION BMP HANDBOOK. SEE DETAIL "B" AND "F" ON SHEET C3.02. ALL GRAVEL BAGS MUST BE IN PLACE DURING PROJECT CONSTRUCTION.
2. CONSTRUCT "RUMBLE RACKS" AT ALL CONSTRUCTION SITE ENTRANCES/EXITS. RECOMMENDED LOCATION SHOWN, CONTRACTOR SHALL SUBMIT FINAL LOCATION TO SCHOOL'S REPRESENTATIVE FOR APPROVAL PRIOR TO CONSTRUCTION. SEE BMP TC-1 IN CURRENT CASQA CONSTRUCTION BMP HANDBOOK AND DETAIL "C" ON SHEET C3.02.
3. PROPOSED CONCRETE WASH-OFF AREA PER BMP WM-8 IN CURRENT CASQA CONSTRUCTION BMP HANDBOOK AND DETAIL "D" ON SHEET C3.02. WASH-OFF AREA SHALL BE IN PLACE AT ALL TIMES DURING GRADING AND PAVING OPERATIONS. CONTRACTOR SHALL NOT TRACK SOLIDS OR CONCRETE WASH OUT OR DEBRIS ON PUBLIC ROADWAYS. RECOMMENDED LOCATION SHOWN, CONTRACTOR SHALL SUBMIT FINAL LOCATION TO SCHOOL'S REPRESENTATIVE FOR APPROVAL PRIOR TO CONSTRUCTION.
4. PROPOSED STOCKPILE AND MATERIAL STORAGE AREA PER BMP WM-1 AND WM-3 IN CURRENT CASQA CONSTRUCTION BMP HANDBOOK AND DETAILS "E" AND "G" ON SHEET C3.02.

FLOW DIRECTION

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EROSION CONTROL PLAN

RNT Project No.	1023.00
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Checked by	JDJ
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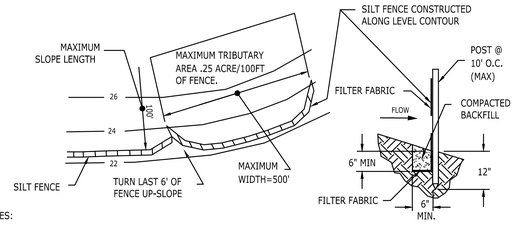
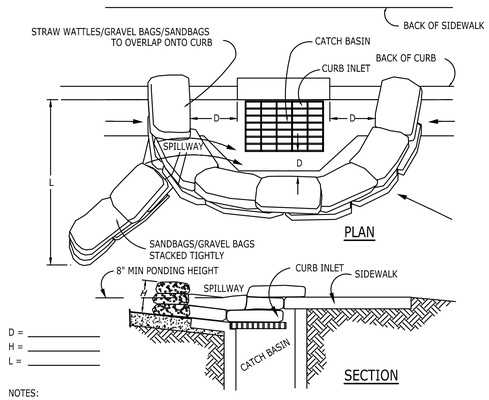
A SILT FENCE SE-1



NOTES:

1. CONSTRUCT THE SILT FENCE ALONG A LEVEL CONTOUR.
2. SILT FENCES SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED.
3. PROVIDE SUFFICIENT ROOM FOR RUNOFF TO POND BEHIND THE FENCE AND ALLOW SEDIMENT REMOVAL EQUIPMENT TO PASS BETWEEN THE SILT FENCE AND TOE OF SLOPE OR OTHER OBSTRUCTIONS. ABOUT 1200 SQ. FT. OF PONDING AREA SHALL BE PROVIDED FOR EVERY ACRE DRAINING TO THE FENCE.
4. TURN THE ENDS OF THE FILTER FENCE UPHILL TO PREVENT STORMWATER FROM FLOWING AROUND THE FENCE.
5. LEAVE AN UNDISTURBED OR STABILIZED AREA IMMEDIATELY DOWNSLOPE FROM THE FENCE.
6. DO NOT PLACE IN LIVE STREAM OR INTERMITTENTLY FLOWING CHANNELS.
7. WHEN STANDARD FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES OR HOG RINGS.
8. REFER ALSO TO BMP SE-1 FROM 2013 CALIFORNIA STORMWATER B.M.P. HANDBOOK FOR CONSTRUCTION.

B CATCH BASIN/INLET PROTECTION SE-10

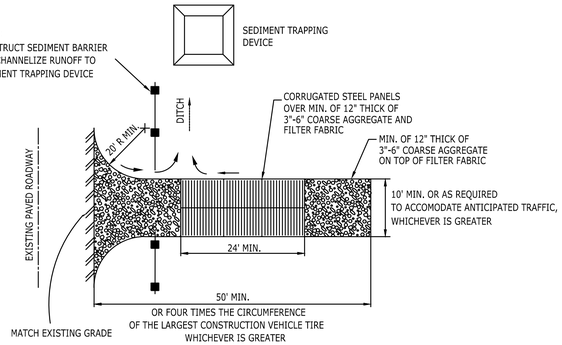


NOTES:

1. CATCH BASIN/INLET PROTECTION SHALL BE INSTALLED WHEREVER THERE IS A POTENTIAL OF STORMWATER OR NON-STORMWATER BEING DISCHARGED INTO IT.
2. INLET PROTECTION IS REQUIRED ALONG WITH OTHER POLLUTION PREVENTION MEASURES SUCH AS; EROSION CONTROL, SOIL STABILIZATION, AND MEASURES TO PREVENT TRACKING ONTO PAVED SURFACES.
3. MODIFY INLET PROTECTION AS NEEDED TO AVOID CREATING TRAFFIC HAZARDS.
4. INCLUDE INLET PROTECTION MEASURES AT HILLSIDE V-DITCHES AND MISC. DRAINAGE SWALES.
5. INLET PROTECTION SHALL BE INSPECTED AND ACCUMULATED SEDIMENTS REMOVED. SEDIMENT SHALL BE DISPOSED OF PROPERLY AND IN A MANNER THAT ASSURES THAT THE SEDIMENT DOES NOT ENTER THE STORM DRAIN SYSTEM.
6. DAMAGED BAGS SHALL BE REPLACED IMMEDIATELY.
7. ADDITIONAL SANDBAG SEDIMENT TRAPS SHALL BE PLACED AT INTERVALS AS INDICATED ON SITE PLAN.

C STABILIZED CONSTRUCTION ENTRANCE TC-1

NOTE:
CONSTRUCT SEDIMENT BARRIER AND CHANNELIZE RUNOFF TO SEDIMENT TRAPPING DEVICE



NOTES:

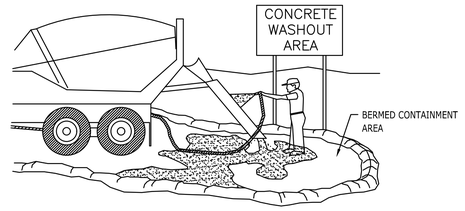
1. SEDIMENTS AND OTHER MATERIALS SHALL NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS SHALL BE STABILIZED SO AS TO PREVENT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC ROADS. DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS INTO THE STORM DRAIN SYSTEM.
2. STABILIZED CONSTRUCTION ENTRANCE SHALL BE:
   A. LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT OF WAY, STREET, ALLEY, AND SIDEWALK OR PARKING AREA.
   B. A SERIES OF STEEL PLATES WITH "RUMBLE STRIPS", AND/OR MIN 3"-6" COARSE AGGREGATE WITH LENGTH, WIDTH & THICKNESS AS NEEDED TO ADEQUATLY PREVENT ANY TRACKING ONTO PAVED SURFACES.
3. ADDING A WASH RACK WITH A SEDIMENT TRAP LARGE ENOUGH TO COLLECT ALL WASH WATER CAN GREATLY IMPROVE EFFICIENCY.
4. ALL VEHICLES ACCESSING THE CONSTRUCTION SITE SHALL UTILIZE THE STABILIZED CONSTRUCTION ENTRANCE SITES.

STREET MAINTENANCE SE-7

NOTES:

1. REMOVE ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS IMMEDIATELY.
2. SWEEP PAVED AREAS THAT RECEIVE CONSTRUCTION TRAFFIC WHENEVER SEDIMENT BECOMES VISIBLE.
3. PAVEMENT WASHING WITH WATER IS PROHIBITED IF IT RESULTS IN A DISCHARGE TO THE STORM DRAIN SYSTEM.

D CONCRETE WASTE MANAGEMENT WM-8



NOTES:

1. EXCESS AND WASTE CONCRETE SHALL NOT BE WASHED INTO THE STREET OR INTO A DRAINAGE SYSTEM.
2. FOR WASHOUT OF CONCRETE AND MORTAR PRODUCTS, A DESIGNATED CONTAINMENT FACILITY OF SUFFICIENT CAPACITY TO RETAIN LIQUID AND SOLID WASTE SHALL BE PROVIDED ON SITE.
3. SLURRY FROM CONCRETE AND ASPHALT SAW CUTTING SHALL BE VACUUMED OR CONTAINED, DRIED, PICKED UP AND DISPOSED OF PROPERLY.
4. CONCRETE WASHOUT AREA SHALL BE LINED WITH A MINIMUM 10 MIL. POLYETHYLENE SHEETING. REFER TO BMP #WM-8 FROM THE 2013 CALIFORNIA CONSTRUCTION BMP HANDBOOK

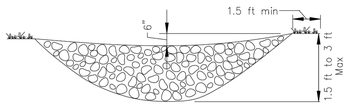
E MATERIAL STORAGE AND DELIVERY WM-1

APPLY BMP WM-1 FROM THE 2013 CALIFORNIA STORMWATER BMP HANDBOOK FOR CONSTRUCTION AVAILABLE AT www.cabmphandbooks.com.

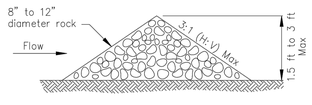
MINIMUM REQUIREMENTS FROM WM-1:

1. MATERIAL DELIVERY AND STORAGE AREAS SHOULD BE LOCATED NEAR THE CONSTRUCTION ENTRANCES, AWAY FROM WATERWAYS OR DRAINAGE PATHS. PREFERRED METHOD OF MATERIAL STORAGE IS INDOORS WITHIN EXISTING STRUCTURES OR SHEDS WHEN AVAILABLE. AT A MINIMUM, MATERIAL STORAGE AREA SHALL BE SURROUNDED WITH PROTECTIVE BERMS.
2. MATERIALS SHOULD BE STORED IN THEIR ORIGINAL CONTAINERS AND THE ORIGINAL PRODUCT LABELS SHOULD BE MAINTAINED IN PLACE IN A LEGIBLE CONDITION.
3. MATERIALS SHOULD BE STORED ON PALLETS AND SHOULD NOT BE ALLOWED TO ACCUMULATE ON THE GROUND. SECONDARY CONTAINMENT SHALL BE PROVIDED, WHEN POSSIBLE, TO PROVIDE PROTECTION FROM WIND AND RAIN, MATERIALS SHOULD BE COVERED DURING NON-WORKING DAYS AND PRIOR TO AND DURING RAIN OR WIND EVENTS.
4. EMPLOYEES AND SUBCONTRACTORS SHALL BE TRAINED ON PROPER MATERIAL DELIVERY AND STORAGE PRACTICES AND IN EMERGENCY SPILL CLEANUP PROCEDURES.

F CHECK DAMS SE-4

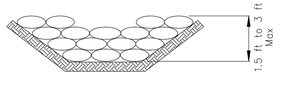


ELEVATION

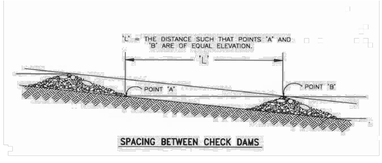


TYPICAL ROCK CHECK DAM SECTION

ROCK CHECK DAM
NOT TO SCALE



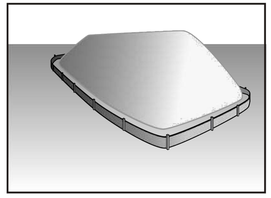
GRAVEL BAG CHECK DAM ELEVATION
NOT TO SCALE



SPACING BETWEEN CHECK DAMS

G STOCKPILE MANAGEMENT WM-3

Stockpile Management WM-3



Treat Categories

EC	Erosion Control	
SE	Sediment Control	☒
TC	Tracking Control	
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	☒
WM	Waste Management and Materials Pollution Control	☑

Legend:
☑ **Primary Category**
☒ **Secondary Category**

Targeted Constituents

Sediment	☑
Nutrients	☑
Trash	☑
Metals	☑
Bacteria	
Oil and Grease	☑
Organics	☑

Potential Alternatives

None

Description and Purpose
Stockpile management procedures and practices are designed to reduce or eliminate air and stormwater pollution from stockpiles of soil, soil amendments, sand, paving materials such as Portland cement concrete (PCC) rubble, asphalt concrete (AC), asphalt concrete rubble, aggregate base, aggregate sub base or pre-mixed aggregate, asphalt minder (so called "cold mix" asphalt), and pressure treated wood.

Suitable Applications
Implement in all projects that stockpile soil and other loose materials.

Limitations
- Plastic sheeting as a stockpile protection is temporary and hard to manage in windy conditions. Where plastic is used, consider use of plastic tarps with nylon reinforcement which may be more durable than standard sheeting.
- Plastic sheeting can increase runoff volume due to lack of infiltration and potentially cause perimeter control failure.
- Plastic sheeting breaks down faster in sunlight.
- The use of Plastic materials and photodegradable plastics should be avoided.

Implementation
Protection of stockpiles is a year-round requirement. To properly manage stockpiles:

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Stockpile Management WM-3

- On larger sites, a minimum of 50 ft separation from concentrated flows of stormwater, drainage courses, and inlets is recommended.
- After 14 days of inactivity, a stockpile is non-active and requires further protection described below. All stockpiles are required to be protected as non-active stockpiles immediately if they are not scheduled to be used within 14 days.
- Protect all stockpiles from stormwater run-on using temporary perimeter sediment barriers such as compost berms (SE-13), temporary silt dikes (SE-12), fiber rolls (SE-5), silt fences (SE-1), sandbags (SE-8), gravel bags (SE-6), or biofilter bags (SE-14). Refer to the individual fact sheet for each of these controls for installation information.
- Implement wind erosion control practices as appropriate on all stockpiled material. For specific information, see WE-1, Wind Erosion Control.
- Manage stockpiles of contaminated soil in accordance with WM-7, Contaminated Soil Management.
- Place bagged materials on pallets and under cover.
- Ensure that stockpile coverings are installed securely to protect from wind and rain.
- Some plastic covers withstand weather and sunlight better than others. Select cover materials or methods based on anticipated duration of use.

Protection of Non-Active Stockpiles
A stockpile is considered non-active if it either is not used for 14 days or if it is scheduled not to be used for 14 days or more. Stockpiles need to be protected immediately if they are not scheduled to be used within 14 days. Non-active stockpiles of the identified materials should be protected as follows:

Soil stockpiles
- Soil stockpiles should be covered or protected with soil stabilization measures and a temporary perimeter sediment barrier at all times.
- Temporary vegetation should be considered for topsoil piles that will be stockpiled for extended periods.

Stockpiles of Portland cement concrete rubble, asphalt concrete, asphalt concrete rubble, aggregate base, or aggregate sub base
- Stockpiles should be covered and protected with a temporary perimeter sediment barrier at all times.

Stockpiles of "cold mix"
- Cold mix stockpiles should be placed on and covered with plastic sheeting or comparable material at all times and surrounded by a berm.

Stockpiles of fly ash, stucco, hydrated lime

Stockpile Management WM-3

- Stockpiles of materials that may raise the pH of runoff (i.e., basic materials) should be covered with plastic and surrounded by a berm.

Stockpiles/Storage of treated wood
- Treated wood should be covered with plastic sheeting or comparable material at all times and surrounded by a berm.

Protection of Active Stockpiles
A stockpile is active when it is being used or is scheduled to be used within 14 days of the previous use. Active stockpiles of the identified materials should be protected as follows:
- All stockpiles should be covered and protected with a temporary linear sediment barrier prior to the onset of precipitation.
- Stockpiles of "cold mix" and treated wood, and basic materials should be placed on and covered with plastic sheeting or comparable material and surrounded by a berm prior to the onset of precipitation.
- The downstream perimeter of an active stockpile should be protected with a linear sediment barrier or berm and runoff should be diverted around or away from the stockpile on the upstream perimeter.

Inspection and Maintenance
- Stockpiles must be inspected in accordance with General Permit requirements for the associated project type and risk level. It is recommended that at a minimum, BMPs be inspected weekly, prior to forecasted rain events, daily during extended rain events, and after the conclusion of rain events.
- It may be necessary to inspect stockpiles covered with plastic sheeting more frequently during certain conditions (for example, high winds or extreme heat).
- Repair and/or replace perimeter controls and covers as needed to keep them functioning properly.
- Sediment shall be removed when it reaches one-third of the barrier height.

References and Additional Resources
Construction Site Best Management Practices (BMPs) Manual, CTSW-RT-24-425.11.1, California Department of Transportation (Caltrans), March 2024.

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DSA File No.: 56-H7

No.	Description	Date

Sheet Name

EROSION CONTROL DETAILS

RNT Project No.	1023.00
Date	12/18/2024
Drawn by	MLEM
Checked by	JDJ

Sheet Number

C3.02

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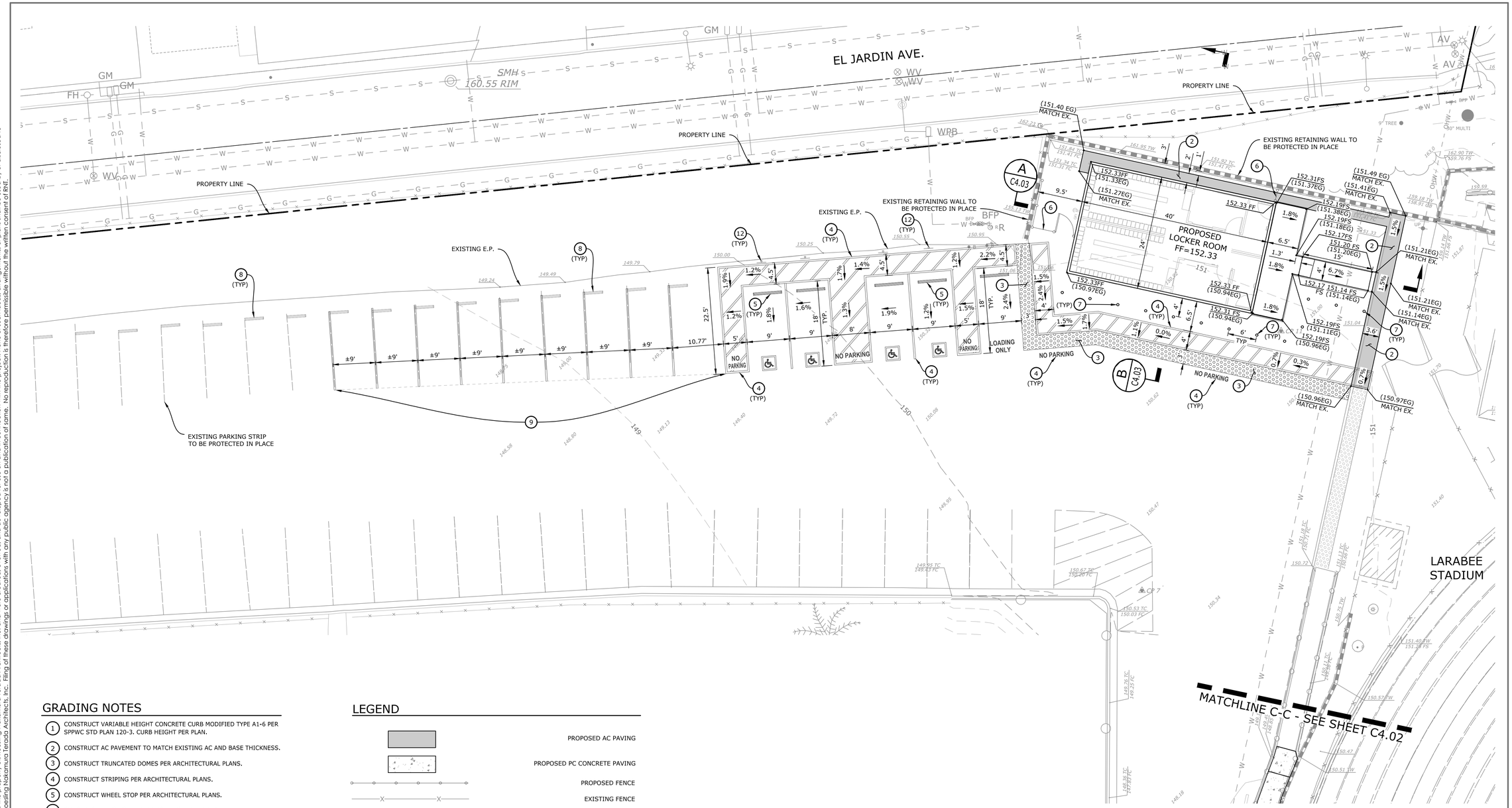

GRADING NOTES

1. CONSTRUCT VARIABLE HEIGHT CONCRETE CURB MODIFIED TYPE A1-6 PER SPPWC STD PLAN 120-3. CURB HEIGHT PER PLAN.
2. CONSTRUCT AC PAVEMENT TO MATCH EXISTING AC AND BASE THICKNESS.
3. CONSTRUCT TRUNCATED DOMES PER ARCHITECTURAL PLANS.
4. CONSTRUCT STRIPING PER ARCHITECTURAL PLANS.
5. CONSTRUCT WHEEL STOP PER ARCHITECTURAL PLANS.
6. CONSTRUCT FENCE/GATE PER ARCHITECTURAL PLANS.
7. CONSTRUCT BOLLARD PER DETAIL "F" ON SHEET C5.01.
8. PROTECT EXISTING WHEEL STOP IN PLACE.
9. CONSTRUCT NEW STRIPING ON TOP OF EXISTING STRIPE AND LENGTHEN AS SHOWN TO TRANSITION BACK TO EXISTING STALL DEPTH.
10. CONSTRUCT PC CONCRETE PAVING PER DETAILS "A" - "D" ON SHEET C5.01.
11. CONSTRUCT WALL AND HAND RAILS PER ARCHITECT'S PLAN.
12. CONSTRUCT SIGN PER ARCHITECT'S PLAN.
13. CONSTRUCT RELOCATED CATCH BASIN AND EXTEND EXISTING STORM DRAIN LINE AS SHOWN. RE-GRADE AREA AROUND CATCH BASIN TO MAINTAIN POSITIVE DRAINAGE TO NEW CATCH BASIN LOCATION.

LEGEND

	PROPOSED AC PAVING
	PROPOSED PC CONCRETE PAVING
	PROPOSED FENCE
X X	EXISTING FENCE
	RIGHT OF WAY/PROPERTY LINE
151	EXISTING MINOR CONTOURS
150	EXISTING MAJOR CONTOURS
	EXISTING STREET CENTERLINE
OHW	EXISTING OVER HEAD WIRE
E	EXISTING ELECTRICAL LINE
G	EXISTING GAS LINE
W	EXISTING WATER LINE
SD	EXISTING STORM DRAIN LINE
FW	EXISTING FIREWATER LINE
S	EXISTING SEWER LINE
COMM	EXISTING COMMUNICATION LINE
152.19 FS	PROPOSED ELEVATION
(150.96) EG	EXISTING ELEVATION
1.5%	PROPOSED GRADE

N W E S

SCALE: 1"=10'
0 10 20 30

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GRADING AND PAVING PLAN

RNT Project No.	1023.00
Date	12/18/2024
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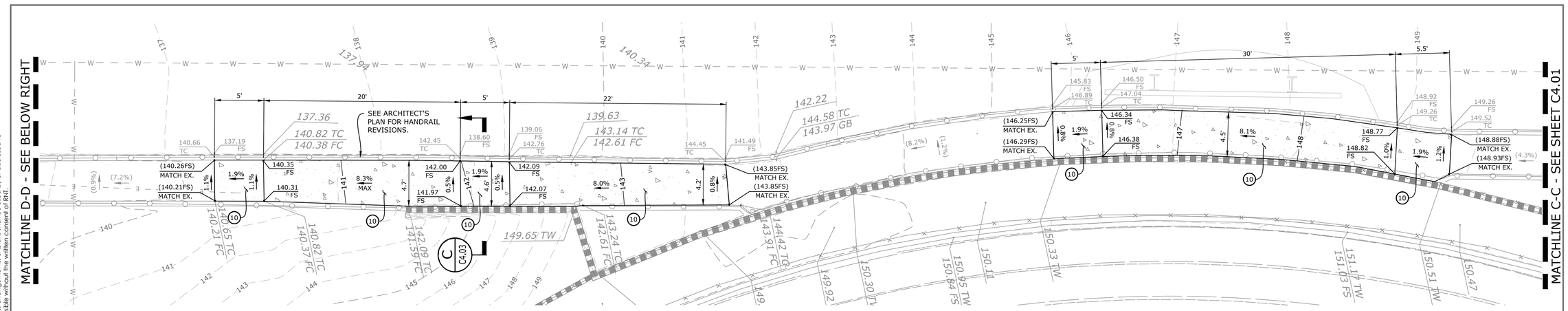
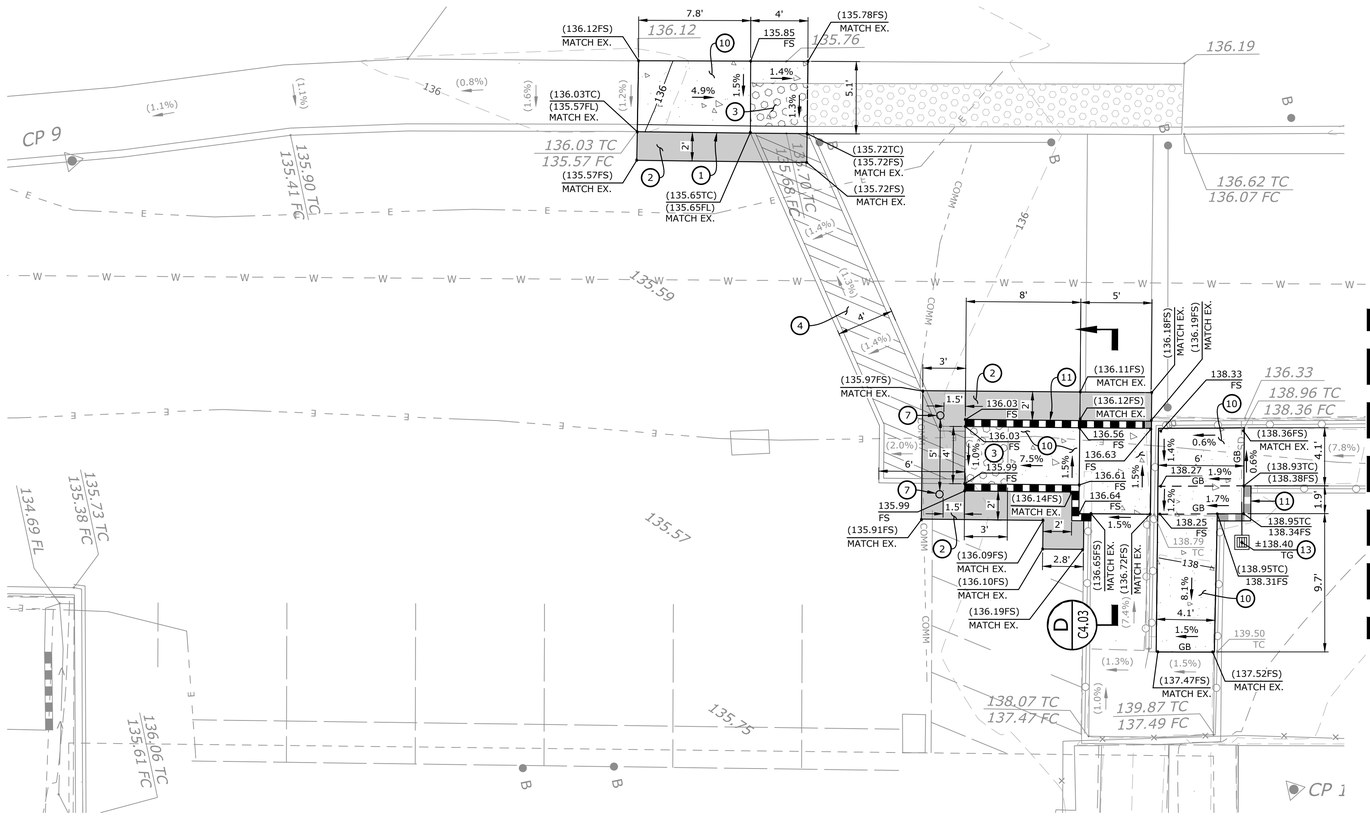
Checked by	JDJ

Sheet Number

C4.01





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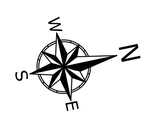
- PROPOSED PC CONCRETE PAVING
- PROPOSED FENCE
- EXISTING FENCE
- RIGHT OF WAY/PROPERTY LINE
- EXISTING MINOR CONTOURS
- EXISTING MAJOR CONTOURS
- EXISTING STREET CENTERLINE
- EXISTING OVER HEAD WIRE
- EXISTING ELECTRICAL LINE
- EXISTING GAS LINE
- EXISTING WATER LINE
- EXISTING STORM DRAIN LINE
- EXISTING FIREWATER LINE
- EXISTING SEWER LINE
- EXISTING COMMUNICATION LINE
- PROPOSED ELEVATION
- EXISTING ELEVATION
- PROPOSED GRADE



SCALE: 1"=5'

0 5 10 15

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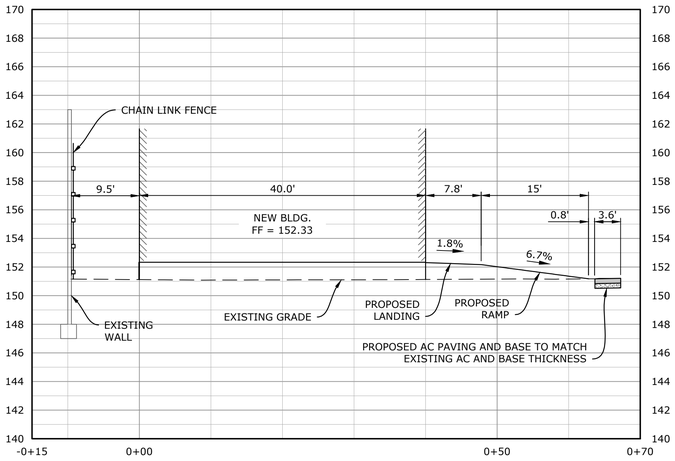
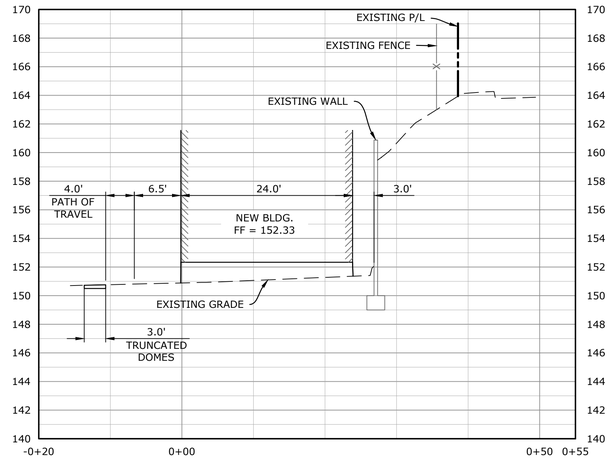


SECTION "A"

SCALE: 1"=10' HORZ
1"=5' VERT

A C4.01



SECTION "B"

SCALE: 1"=10' HORZ
1"=5' VERT

B C4.01

SECTION "C"

SCALE: 1"=10' HORZ
1"=5' VERT

C C4.02

SECTION "D"

SCALE: 1"=10' HORZ
1"=5' VERT

D C4.02

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SITE SECTIONS

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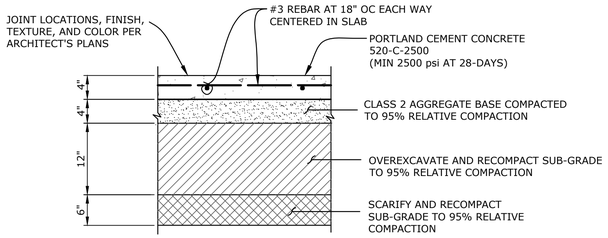
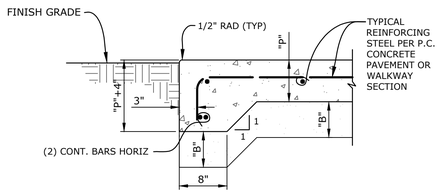


NOTES:

1. CONSTRUCT THICKENED EDGE AT WALKWAY PERIMETER PER DETAIL "B" THIS SHEET.
2. SAWCUT OR TOOLED CRACK CONTROL JOINTS PER DETAIL "C" THIS SHEET.
3. CONSTRUCT EXPANSION JOINTS PER DETAIL "D" THIS SHEET.
4. SECTION IS ESTIMATE ONLY. SOILS ENGINEER TO GIVE FINAL RECOMMENDATION BASED ON R-VALUE TEST RESULTS TAKEN PRIOR TO CONSTRUCTION.

PCC PEDESTRIAN PAVEMENT SECTION — A

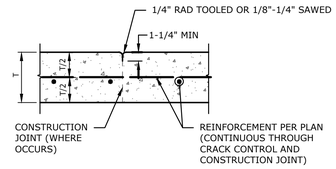
SCALE: N.T.S.



"P"= PORTLAND CEMENT CONCRETE THICKNESS (INCHES)
"B"= BASE LAYER THICKNESS (INCHES)

PCC PAVEMENT OR WALKWAY THICKENED EDGE — B

SCALE: N.T.S.

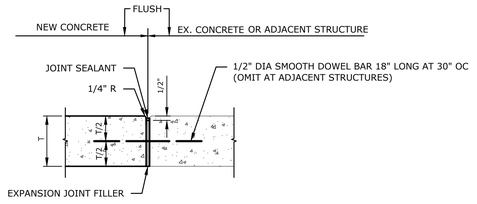


NOTES:

1. SEE SPECIFICATIONS FOR TYPE OF JOINT SEALANT.
2. CONSTRUCTION JOINTS SHALL ONLY BE LOCATED WHERE A CRACK CONTROL JOINT OR OTHER JOINT WOULD OTHERWISE HAVE BEEN REQUIRED.
3. SEE PLAN FOR THICKNESS, T.
4. FOR CRACK CONTROL JOINTS LOCATIONS, SEE ARCH. PLANS.
5. CRACK CONTROL JOINTS TO BE SPACED AT 12' MAX O.C. E.W.

CONSTRUCTION/CRACK CONTROL JOINT — C

SCALE: N.T.S.

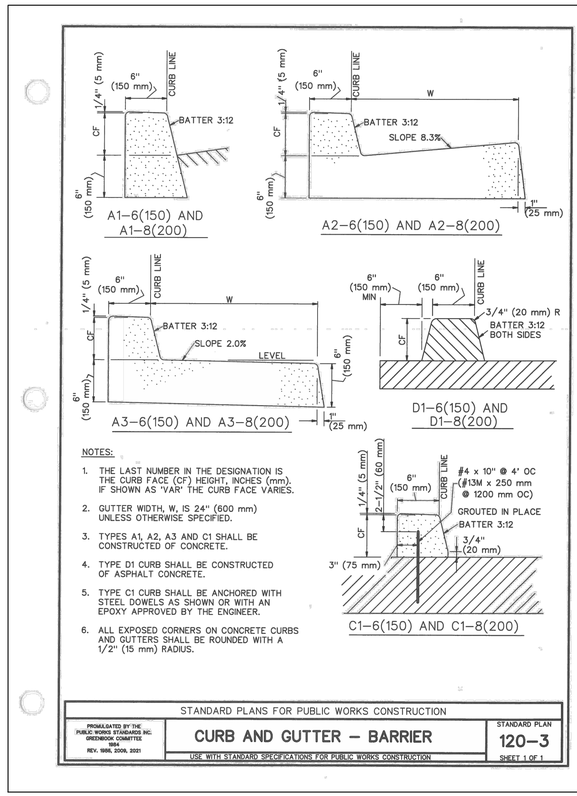


NOTES:

1. SEE SPECIFICATIONS FOR TYPE OF JOINT SEALANT & EXPANSION JOINT FILLER.
2. USE SMOOTH BARS FOR DOWELS COATED TO PREVENT BOND, GREASE END PRIOR TO POUR.
3. SEE PLAN FOR THICKNESS, T.
4. PROVIDE ADEQUATE SUPPORT FOR DOWELS TO ENSURE THEY REMAIN LEVEL WITH FINISH SURFACE.
5. STOP SLAB REINFORCING AT EXPANSION JOINTS.
6. EXPANSION JOINTS TO BE CONSTRUCTED AT ADJACENT STRUCTURES, CURBS AND WALLS.

EXPANSION JOINT — D

SCALE: N.T.S.



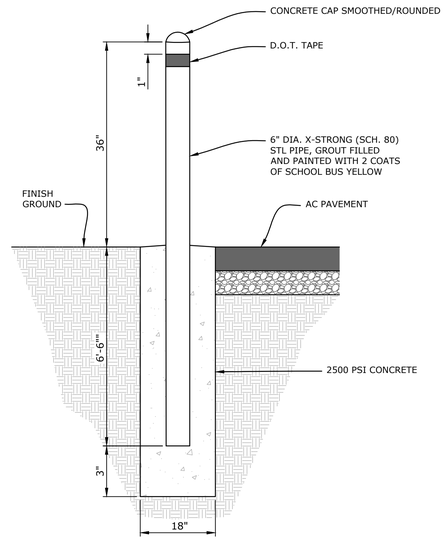
NOTES:

1. THE LAST NUMBER IN THE DESIGNATION IS THE CURB FACE (CF) HEIGHT, INCHES (mm). IF SHOWN AS 'VAR' THE CURB FACE VARIES.
2. GUTTER WIDTH, W, IS 24" (600 mm) UNLESS OTHERWISE SPECIFIED.
3. TYPES A1, A2, A3 AND C1 SHALL BE CONSTRUCTED OF CONCRETE.
4. TYPE D1 CURB SHALL BE CONSTRUCTED OF ASPHALT CONCRETE.
5. TYPE C1 CURB SHALL BE ANCHORED WITH STEEL DOWELS AS SHOWN OR WITH AN EPOXY APPROVED BY THE ENGINEER.
6. ALL EXPOSED CORNERS ON CONCRETE CURBS AND GUTTERS SHALL BE ROUNDED WITH A 1/2" (15 mm) RADIUS.

PROMULGATED BY THE PUBLIC WORKS STANDARDS INC. GREENBOOK COMMITTEE REV. 1985, 2006, 2021	STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION CURB AND GUTTER – BARRIER USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION	STANDARD PLAN 120–3 SHEET 1 OF 1

CURB AND GUTTER DETAILS — E

SCALE: N.T.S.



BOLLARD DETAIL — F

SCALE: N.T.S.

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

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DSA SUBMITTAL
DSA A# 03-124683
DSA File No.: 56-H7

No.	Description	Date

Sheet Name

DETAIL SHEET

RNT Project No.	1023.00
Date	12/18/2024
Drawn by	MLEM
Checked by	JDJ
Sheet Number	C5.01

Autodesk Docs://1032 - VUSD Portable Athletic Bldg Ventura HS/1023 VUSD VHS Port Team Room - rvt22.rvt
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APPLICABLE CODE: 2022 CBC

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, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G., HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING 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 STRUCTURE 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.

MEP DISTRIBUTION SYSTEM BRACING NOTE FOR PIPING, DUCTWORK AND ELECTRICAL CONDUIT:

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7 AND 13.6.8 AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEMS ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

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

MP ☐	MD ☐	PP ☐	E ☒	OPTION 1: PROJECT-SPECIFIC DESIGN.
MP ☐	MD ☐	PP ☐	E ☐	OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL
MP ☐	MD ☐	PP ☐	E ☐	OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL

APPLICABLE CODE REQUIREMENTS

PERFORMANCE OF THE WORK OF THIS CONTRACT SHALL CONFORM TO THE REQUIREMENTS OF APPLICABLE GOVERNING CODES AND ORDINANCES INCLUDING THE FOLLOWING:

2022 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R.

2022 CALIFORNIA BUILDING CODE, PART 2, TITLE 24 C.C.R. (2022 IBC, VOLUMES 1-3 WITH CALIFORNIA AMENDMENTS)

2022 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 C.C.R. (2020 N.E.C. WITH CALIFORNIA AMENDMENTS)

2022 CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 C.C.R (2021 U.M.C. WITH CALIFORNIA AMENDMENTS)

2022 CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 C.C.R. (2020 U.P.C. WITH CALIFORNIA AMENDMENTS)

2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.

2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2022 I.F.C. WITH CALIFORNIA AMENDMENTS)

2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PAR 10, TITLE 24 C.C.R.

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.

2022 CALIFORNIA BUILDING CODE CHAPTER 35

2022 CALIFORNIA FIRE CODE CHAPTER 80

2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R. TITLE 19 C.C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

NFPA 13 AUTOMATIC SPRINKLER SYSTEM ----------2022 EDITION

NFPA 14 STANDPIPE SYSTEM ----------2019 EDITION

NFPA 17A WET CHEMICAL SYSTEM ----------2021 EDITION

NFPA 24 PRIVATE SERVICE MAINS ----------2022 EDITION

NFPA 72 NATIONAL FIRE ALARM CODE ----------2022 EDITION (NOTE SEE UL STANDARDS 1971 FOR ("VISUAL DEVICES")

GENERAL NOTES

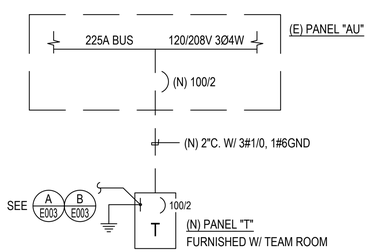
1. VISIT JOB SITE AND VERIFY EXISTING CONDITIONS PRIOR TO BID.
2. THE ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2022 CALIFORNIA ELECTRICAL CODE AND ALL APPLICABLE LOCAL ORDINANCES. WHERE PLANS CALL FOR A HIGHER STANDARD THAN APPLICABLE CODES, THE PLANS SHALL GOVERN.
3. CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD TO SUIT FIELD CONDITIONS.
4. ALL ELECTRICAL EQUIPMENT, APPLIANCES AND LIGHTING FIXTURES SHALL BE LISTED BY A RECOGNIZED TEST LAB AND BEAR THAT LABEL OF APPROVAL.
5. CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT ALL MATERIAL AND EQUIPMENT FOR THIS WORK UNLESS OTHERWISE NOTED.
6. FURNISH DISCONNECT SWITCHES AT REMOTE MOTORS.
7. ALL SPACES AS INDICATED ON PANELS OR SWITCHBOARDS SHALL BE COMPLETE WITH HARDWARE AND BUSSING FOR FUTURE BREAKER OR SWITCH.
8. CHECK ARCHITECTURAL PLANS FOR DOOR SWINGS BEFORE INSTALLING SWITCH OUTLETS.
9. GROUNDING AND BONDING SHALL BE PER CODE PLUS ANY ADDITIONAL PROVISIONS SPECIFIED OR SHOWN ON DRAWINGS.
10. ALL CONDUIT RUNS SHALL CONTAIN A CODE SIZED GREEN GROUND WIRE.
11. THESE PLANS ARE NOT COMPLETE UNTIL APPROVED BY THE AUTHORITY HAVING JURISDICTION.
12. ALL CONDUCTORS SHALL BE IN CONDUIT.
13. ALL CONDUCTORS SHALL BE COPPER WITH TYPE THHN/THWN INSULATION.

SYMBOLS

- CONDUIT EXISTING
- CONDUIT CONCEALED IN WALL OR CEILING
- CONDUIT CONCEALED UNDER FLOOR OR BELOW GRADE
- CONDUIT STUBBED OUT AND CAPPED
- CONDUIT TURNED UP
- CONDUIT TURNED DOWN
- HATCH MARKS INDICATE NO. OF #12 WIRES IN CODE SIZED CONDUIT (3) MAX. IN 1/2" C., (5) MAX. IN 3/4" C., (8) MAX. IN 1"C., NO MARKS = 2#12
- A-3 — HOME RUN: LETTER INDICATES PANEL, NUMBER(S) INDICATES CIRCUIT(S).
- SAWCUT
- GROUND CONNECTION
- DISTRIBUTION SWITCHBOARD OR PANEL
- PANEL, BRANCH CIRCUIT TYPE, SURFACE AND FLUSH
- SIGNAL TERMINAL CABINET, SURFACE & FLUSH
- LINEAR SURFACE FIXTURE
- 2/a — OUTLET DATA: BAR INDICATES WALL MOUNT, LETTER INDICATES SWITCH CONTROL, NO. INDICATES CIRCUIT.
- SURFACE FIXTURE ON FLUSH OUTLET.
- RECESSED FIXTURE WITH JUNCTION BOX FOR THRU WIRING
- EXIT LIGHT WITH ARROWS AS SHOWN ON PLANS, WALL AND CEILING MOUNT.
- LOW LEVEL EXIT SIGN, +6" AFF, +4" FROM DOOR JAMB
- A/100 — LIGHT FIXTURE DESIGNATION, LETTER INDICATES TYPE, NO. INDICATES WATTAGE. SEE FIXTURE SCHEDULE.
- FC/1 — MECHANICAL EQUIPMENT DESIGNATION. SEE MECHANICAL DRAWINGS.
- SPECIAL RECEPTACLE - SEE PLAN
- METER
- FLUSH FLOOR RECEPTACLE
- RECEPTACLE, DUPLEX, 15A, 125V, NEMA 5-15R +18" U.N.O.
- DUPLEX RECEPTACLE MTD. ABOVE BACKSPLASH
- DUPLEX RECEPTACLE W/LOWER HALF SWITCHED
- GFI — GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE
- DOUBLE DUPLEX RECEPTACLE
- CEILING RECEPTACLE
- RECEPTACLE, DUPLEX, 20A, 125V, NEMA 5-20R +18" U.N.O.
- JUNCTION BOX 4" SQUARE, 1-1/2" DEEP U.N.O.
- THERMOSTAT F.B.O. +48" MAX. TO TOP OF BOX
- MOTOR, NO. INDICATES HORSEPOWER
- CLOCK OUTLET +7'-6" U.N.O.
- DISCONNECT SWITCH, NON-FUSED
- DISCONNECT SWITCH FUSED HORSEPOWER RATED OR SIZED AS NOTED
- COMBINATION MAGNETIC STARTER WITH DISCONNECT SWITCH AND FUSES
- MAGNETIC MOTOR STARTER W/OVERLOADS IN EACH PHASE
- DIMMER W/INTEGRAL "ON-OFF" SW.
- PUSHBUTTON
- PC — PHOTOCELL
- SD — SMOKE DETECTOR
- TELEPHONE/COMPUTER/DATA OUTLET, TWO GANG BOX W/1 GANG COVERPLATE & GROMMETED OPENING +18" U.N.O.
- CABLE TV OUTLET +18" U.N.O.
- M — MOTION SENSOR
- $ — EXISTING SWITCH
- S — SINGLE POLE SWITCH
- S^2 — DOUBLE POLE SWITCH
- S^3 — THREE WAY SWITCH
- S^P — SWITCH W/PILOT LT.

  (S, S^2, S^3, S^P: QUIET TOGGLE TYPE RATED AT 20A, 120/277V A.C. +42" U.N.O.)
- S^M — MANUAL MOTOR STARTER
- FACP — FIRE ALARM CONTROL PANEL
- GFI — GROUND FAULT CIRCUIT INTERRUPTING
- LST — LABOR SAVING TANDEM
- MLO — MAIN LUGS ONLY
- w/ — WITH
- C.O. — CONDUIT ONLY
- W.P. — WEATHERPROOF
- F.B.O. — FURNISHED BY OTHERS, INSTALL & CONNECT
- U.N.O. — UNLESS NOTED OTHERWISE
- N.E.C. — NATIONAL ELECTRICAL CODE
- N.I.C. — NOT IN CONTRACT
- (E) — EXISTING
- (N) — NEW
- (R) — REMOVE
- (RL) — RELOCATE
- S/M — SURFACE MOUNT
- U/G — UNDERGROUND
- CWP — COLD WATER PIPE
- AFF — ABOVE FINISHED FLOOR
- HACR — HEATING AND AIR CONDITIONING RATED CIRCUIT BREAKER
- N.L. — NIGHT LIGHT

NOTE: NOT ALL SYMBOLS SHOWN ARE USED ON THIS PROJECT



SINGLE LINE DIAGRAM — A / E001

SCALE : NONE

EXISTING ELECTRICAL SERVICES HAS BEEN INVESTIGATED AND FOUND TO HAVE ADEQUATE CAPACITY FOR THE PROPOSED LOAD ADDITION SHOWN ON THESE PLANS.
SITE INSPECTOR IS TO WITNESS AND VERIFY GROUNDING TESTS

REGISTERED PROFESSIONAL ENGINEER — TYSON CLINE MALONEY — NO. E019081 — EXP. 08/30/2025 — ELECTRICAL — STATE OF CALIFORNIA

JMPE
ELECTRICAL ENGINEERING
LIGHTING DESIGN
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REGISTERED PROFESSIONAL ENGINEER — TYSON CLINE MALONEY — NO. E019081 — EXP. 08/30/2025 — ELECTRICAL — STATE OF CALIFORNIA

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DATE: 02/06/2025

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LICENSED ARCHITECT — TYSON CLINE NO. C-34436 — REN. 1-31-25 — STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

VENTURA HIGH SCHOOL PORT. TEAM ROOM

2 N CATALINA STREET, VENTURA, CA 93001

DSA SUBMITTAL

DSA A# 03-124683
DSA File No.: 56-H7

No.	Description	Date

Sheet Name

NOTES & SYMBOLS

RNT Project No.	1023.00
Date	10/28/2024
Drawn by	CY
Checked by	TC

Sheet Number

E-001

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FIRE ALARM SYMBOL LIST MATRIX

SYMBOL	DEVICE	MFR & CAT#	REMARKS	CSFM LISTING
■	MAIN FIRE ALARM PANEL	NOTIFIER N16X	SURFACE MOUNT W/ SOFTWARE UDPATE	7165-0028:0243
DVC	DIGITAL VOICE COMMAND	NOTIFIER DVC-EM	SURFACE MOUNT	7165-0028:0224
DAA-5025	DIGITAL AUDIO AMPLIFIER	NOTIFIER DAA-5025	PART OF DVC	7165-0028:0224
DAC	FIRE ALARM COMMUNICATOR	NOTIFIER 411UDACT	PART OF NFS2-640	7300-0075:0174
SD	SMOKE DETECTOR	NOTIFIER FSP-951	PROVIDE BASE B210 LP(A) ON 4"SQ. DEEP BOX	7272-0028:0206
HD	HEAT DETECTOR (IN ATTIC SPACE)	NOTIFIER FST-951H	PROVIDE BASE B210 LP(A) ON 4"SQ. DEEP BOX	7270-0028:0196
F	ADDRESSABLE MANUAL PULL STATION	NOTIFIER NBG-12LX	PROVIDE 4"SQ. DEEP BOX	7150-0028:0199
AV	SPEAKER STROBE	SYSTEM SENSOR SPSCR AV CM	PROVIDE DEEP SQ J-BOX	7320-1653:0201
S WP	EXTERIOR SPEAKER	SYSTEM SENSOR SPRK	PROVIDE MWBB BACKBOX	7320-1653:0201
———	FPLR CABLE	WESTPENN 975	18/2 BARE, CU, SHIELDED	7161-0859:0101
———	FPLR CABLE	WESTPENN 998	12/2 SOLID, CU, UNSHIELDED	7161-0859:0101
———	FPLR CABLE	WESTPENN AQ294	18/2 STRANDED, CU, SHIELDED W/ AQUASEAL	7161-0859:0101
———	FPLR CABLE	WESTPENN AQC294	18/2 STRANDED, CU, SHIELDED W/ AQUASEAL	7161-0859:0101

FIRE ALARM SEQUENCE OF OPERATION

INPUT & OUTPUT MATRIX

SYSTEM INPUTS / SYSTEM OUTPUTS

	SYSTEM OUTPUTS	AREA SMOKE DETECTOR	AREA HEAT DETECTOR		FIRE ALARM SYSTEM AC POWER FAILURE	FIRE ALARM SYSTEM LOW BATTERY	OPEN CIRCUIT	GROUND FAULT	NOTIFICATION APPLIANCE CIRCUIT SHORT	
Control Unit Annunciation	ACTUATE COMMON ALARM SIGNAL INDICATOR (RED LED)	●	●							
	ACTUATE AUDIBLE ALARM SIGNAL (PIEZO BUZZER)	●	●							
	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR (AMBER LED)									
	ACTUATE AUDIBLE SUPERVISORY SIGNAL (PIEZO BUZZER)									
	ACTUATE COMMON TROUBLE SIGNAL INDICATOR (AMBER LED)				●	●	●	●	●	
	ACTUATE AUDIBLE COMMON TROUBLE SIGNAL (PIEZO BUZZER)				●	●	●	●	●	
Notification	ACTUATE EVACUATION SIGNAL THROUGHOUT THE BUILDING SPEAKERS & SPEAKER/STROBES	●	●							
	TRANSMIT FIRE ALARM SIGNAL TO SUPERVISING STATION	●	●							
	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION									
	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION				●	●	●	●	●	
Supplementary										

FIRE WATCH, FIRE MARSHAL REQUIREMENTS:

REQUIREMENTS FOR DISABLING THE FIRE ALARM SYSTEM;

1. AS REQUIRED BY THE **2019 CALIFORNIA FIRE CODE**, STANDBY PERSONNEL OR SYSTEMS TEMPORARILY "OUT OF SERVICE". THE LOCAL FIRE MARSHAL IS AUTHORIZED TO REQUIRE THE CONTRACTOR TO PROVIDE STANDBY PERSONNEL AS SET FORTH IN THESE SECTIONS, UNTIL THE SYSTEM IS RESTORED TO OPERATION.

2. SUCH INDIVIDUAL SHALL BE SUBJECT TO THE LOCAL FIRE MARSHAL'S ORDER AT ALL TIMES WHEN SO EMPLOYED AND SHALL REMAIN ON DUTY DURING THE TIME SUCH PLACES ARE OPEN TO THE PUBLIC OR WHEN SUCH PUBLIC ACTIVITY IS BEING CONDUCTED. FIRE WATCH PERSONNEL SHALL BE PROVIDED WITH AT LEAST ONE APPROVED MEANS FOR NOTIFICATION OF THE FIRE DEPARTMENT.

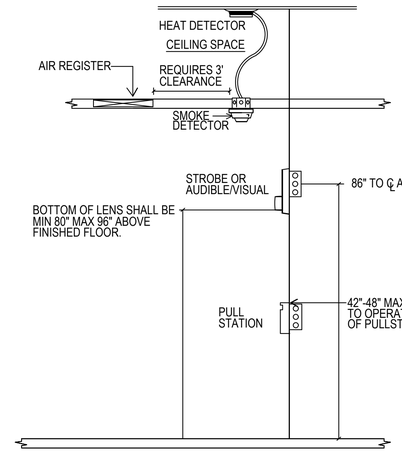
3. SUCH INDIVIDUALS SHALL KEEP A DILIGENT WATCH FOR FIRES AND BE ABLE TO TAKE PROMPT AND APPROPRIATE ACTION IN THE EVENT OF A FIRE. SUCH INDIVIDUALS SHALL NOT BE REQUIRED OR PERMITTED, WHILE ON DUTY, TO PERFORM ANY OTHER DUTIES THAN THESE HEREIN SPECIFIED.

NEW FACP BATTERY CALCULATION MFACP, NOTIFIER N-16X

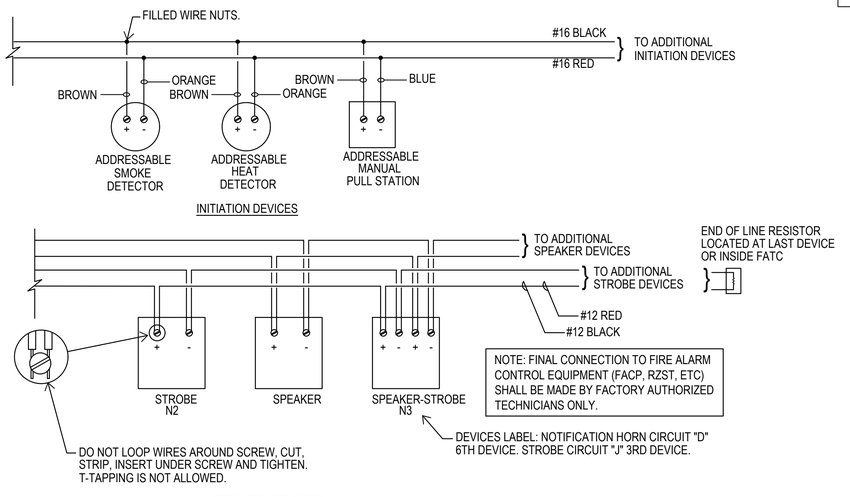
EQUIPMENT DESCRIPTION	QUANTITY		SUPERVISORY CURRENT (AMPERES)		ALARM CURRENT (AMPERES)	
	EXISTING	NEW	EACH	SUB-TOTAL	EACH	SUB-TOTAL
FIRE ALARM PANEL	0	1	0.25	0.25	0.25	0.25
KDM	0	0	0.1	0	0.1	0
DIGITAL ALARM COMMUNICATOR	0	1	0.052	0.052	0.087	0.087
DVC	0	1	0.44	0.44	0.44	0.44
DAA 5025	0	1	0.35	0.35	1.9	1.9
PULL STATION	0	1	0.0003	0.0003	0.0005	0.0005
SMOKE DETECTOR	0	6	0.00039	0.00234	0.00039	0.00234
HEAT DETECTOR	0	4	0.00035	0.0014	0.00035	0.0014
VISUALS 15cd	0	2			0.066	0.132
VISUALS 30cd	0	0			0.077	0
VISUALS 75cd	0	0			0.158	0
SUB TOTAL AMPERES			1.09604 AMPS		2.81324 AMPS	
			x 24 HOURS		X 0.25 HOURS	
SUB TOTAL AMPERE-HOURS			26.30496	A.H.	0.70331	A.H.
TOTAL REQUIRED AMPERE-HOURS FOR DISTRIBUTED POWER MODULE					27.00827	A.H.
BATTERY NON-LINEAR DISCHARGE CHARACTERISTIC FACTOR					x 1.2	
TOTAL MINIMUM AMPERE HOURS REQUIRED					32.40992	A.H.
PROVIDED BATTERY CAPACITY					55.00	A.H.

FIRE ALARM SYSTEM REQUIREMENTS

1) APPLICABLE STANDARD 2022 NFPA 72
2) INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAS BEEN APPROVED BY DSA.
3) UPON COMPLETION OF THE INSTALLATION OF THE SYSTEMS, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR.
4) A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
5) ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.
6) DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.
7) ALL PENETRATIONS THROUGH RATED ASSEMBLIES, REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER LAB TESTING CRITERIA. APPROVED TYPE OF MATERIALS SHALL BE IDENTFIED WITHIN THE SPECIFICATION WITHIN THE FIRE ALARM SECTION.
8) WALL MOUNTED VISUAL NOTIFICATION DEVICES SHALL HAVE THEIR ENTIRE LENS TO BE BETWEEN 80" AND 90"FROM FINISHED FLOOR.
9) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THEN 6" TO A HORIZONTAL STRUCTURE.
10) AUDIBLE DEVICES TO BE AT LEAST 15 DBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL BUT NOT LESS THAN 75 DBA AT 10 FEET OR MORE THAN 110 DBA AT THE MINIM HEARING DISTANCE . SOUND LEVEL SHALL BE MAINTAIND FOR DURATION OF AT LEAST 60 SECTIONS 5 DBA MUST BE MAINTAINED.
11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE-3 PATTERN.
12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
13) VISUAL DEVICES SHOULD NOT EXCEED 2 FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN 1 FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISUAL DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATERTIGHT FITTINGS AND WIRE TO BE APPROVAL FOR WET LOCATIONS.
15) ALL FIRE ALARM WIRING SHALL BE FLP OR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE THHN OR THWN.
16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. THERE MUST BE AT LEAST 6' OF LEAD WIRE FROM THE BOX TO THE DEVICE. ALL BOXES TO BE SIZED PER CEC.
17) 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.
18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMETS.
19) FIRE ALARM PANEL, REMOTES, AND COMPONENETS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED THE WEIGHT OF 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL". CIRCUIT ID TO BE LABELED AT FIRE PANEL/EXTENDERS.
21) THE INSTALLING CONTRACTOR SHALL PROVIDE A RECORD OF COMPLETION PER NFPA 72, REQUIREMENTS.
22) CONTROL PANELS, REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48" 23) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CB SECTION 901.6.3.
24) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
25) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.
26) A DSA CLASS 3 INSPECTOR SHALL BE HIRED BY THE DISTRICT AND APPROVED BY DSA TO INSPECT THIS PROJECT.



FIRE ALARM MOUNTING DETAIL — B / E002
SCALE : NONE



FIRE ALARM DEVICES TYPICAL MOUNTING DETAIL — A / E002
SCALE : NONE

NEW VOICE PANEL BATTERY CALCULATION – DVC-EM

EQUIPMENT DESCRIPTION	QUANTITY		SUPERVISORY CURRENT (AMPERES)		ALARM CURRENT (AMPERES)	
	EXISTING	NEW	EACH	SUB-TOTAL	EACH	SUB-TOTAL
DVC	0	1	0.44	0.44	0.44	0.44
DAA 5025	0	1	0.35	0.35	1.9	1.9
				0		0
¼ Watt Speaker	0	0	0	0	0.017	0
1 Watt Speaker	0	2	0	0	0.068	0.136
2 Watt Speaker		2		0	0.132	0.264
	0	0		0	0	0
VISUALS 75 cd	0	0		0	0.158	0
VISUALS 30 cd	0	0	0	0	0.094	0
VISUALS 15 cd	0	0	0	0	0.066	0
	0	0	0	0	0	0
				0		0
	0	0	0	0	0	0
SUB TOTAL AMPERES			0.79 AMPS		2.74 AMPS	
			x 24 HOURS		X 0.25 HOURS	
SUB TOTAL AMPERE-HOURS			18.96	A.H.	0.685	A.H.
TOTAL REQUIRED AMPERE-HOURS FOR DISTRIBUTED POWER MODULE					19.645	A.H.
BATTERY NON-LINEAR DISCHARGE CHARACTERISTIC FACTOR					x 1.2	
TOTAL MINIMUM AMPERE HOURS REQUIRED					23.574	A.H.
PROVIDED BATTERY CAPACITY					26.00	A.H.

FIRE LIFE SAFETY NOTES

1 CBC 3401.12 - BUILDING AND PARTS OF THEREOF SHALL BE MAINTAINED IN A SAFE AND SANITARY CONDITION. DEVICES OR SAFEGUARDS WHICH ARE REQUIRED BY THIS CODE SHALL BE MAINTAINED IN CONFORMANCE WITH THE CODE EDITION UNDER WHICH INSTALLED. THE OWNER OR THE OWNERS DESIGNATED AGENT SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF BUILDING.

2 CFC 503.1; TITLE 19 DIVISION 1§3.05 MAINTAIN FIRE ACCESS ROUTE(S). PUBLIC STREET ACCESS - PROVIDE SIGN(S) 'NO PARKING FIRE LANE WITH CALIFORNIA VEHICLE CODE 22500.1' AND DETAIL. (OR INCLUDE NOTE - EXISTING NO PARKING FIRE LANE SIGN TO BE FIELD VERIFIED BY IOR)

3 CFC 503.1 - MAINTAIN / PROVIDE KEY BOXES FOR FIRE DEPARTMENT ACCESS, AS APPROPRIATE.

4 CFC 701.2 - WHERE ANY COMPONENTS IN THIS CHAPTER ARE NOT MAINTAINED AND DO NOT FUNCTION AS INTENDED OR DO NOT HAVE THE FIRE RESISTANCE REQUIRED BY THE CODE UNDER WHICH THE BUILDING WAS CONSTRUCTED, REMODELED OR ALTERED, SUCH COMPONENT(S) OR PORTIONS THEREOF SHALL BE DEEMED AN UNSAFE CONDITION, IN ACCORDANCE WITH SECTION 110.1.1. COMPONENTS OR PORTIONS THEREOF DETERMINED TO BE UNSAFE SHALL BE REPAIRED OR REPLACED TO CONFORM TO THAT CODE UNDER WHICH THE BUILDING WAS CONSTRUCTED, REMODELED, ALTERED OR THIS CHAPTER, AS DEEMED APPROPRIATE BY THE FIRE CODE OFFICIAL.

5 CFC 703.1 AND TITLE 19 DIVISION 1§1.14 - THE REQUIRED FIRE-RESISTANCE RATING OF FIRE-RESISTANCE CONSTRUCTION (INCLUDING WALLS, FIRESTOPS, SHAFT ENCLOSURES, PARTITIONS, SMOKE-BARRIERS, FLOORS, FIRE-RESISTIVE COATINGS AND SPRAYED FIRE-RESISTANT MATERIALS APPLIED TO STRUCTURAL MEMBERS AND FIRE-RESISTANT JOINTS SYSTEMS) SHALL BE MAINTAINED. SUCH ELEMENTS SHALL BE VISUALLY INSPECTED BY THE OWNER AND PROPERLY REPAIRED, RESTORED OR REPLACED WHEN DAMAGED, ALTERED, BREACHED OR PENETRATED. OPENINGS THROUGH FIRE-RESTANCE-RATED ASSEMBLIES SHALL BE PROTECTED BY SELF- OR AUTOMATIC-CLOSING DOORS OF APPROVED CONSTRUCTION MEETING THE FIRE PROTECTION REQUIRMENTS FOR THE ASSEMBLY.

6 CFC 703.2 - OPENING PROTECTIVE SHALL BE MAINTAINED IN AN OPERATIVE CONDITION IN ACCORDANCE WITH NFPA 80. FIRE DOORS AND SMOKE BARRIER DOORS SHALL NOT BE BLOCKED OR OBSTRUCTED OR OTHERWISE BE MADE INOPERABLE. FUSIBLE LINKS SHALL BE REPLACED PROMPTLY WHENEVER FUSED OR DAMAGED. FIRE ASSEMBLIES SHALL NOT BE MODIFIED.

7 CFC 901.4; 907.8.5 AND TITLE 19 DIVISION 1 .1.14 - INSTALLATION FIRE PROTECTION SYSTEM SHALL BE MAINTAINED IN ACCORDANCE WITH ORIGINAL INSTALLATION STANDARDS FOR THAT SYSTEM. REQUIRED SYSTEMS SHALL BE EXTENDED, ALTERED OR AUGMENTED AS NECESSARY TO MAINTAIN AND CONTINUE PROTECTION WHENEVER THE BUILDING IS ALTERED, REMODELED OR ADDED TO. ALTERATIONS TO FIRE PROTECTION SYSTEM SHALL BE DONE IN ACCORDANCE WITH APPLICABLE STANDARDS.

8 TITLE 19 DIVISION 1§1.14 - EVERY FIRE ALARM SYSTEM OR DEVICE, SPRINKLER SYSTEM, FIRE EXTINGUISHER, FIRE HOSE, FIRE-RESISTIVE ASSEMBLY OR ANY OTHER FIRE SAFETY ASSEMBLY, DEVICE MATERIAL OR EQUIPMENT INSTALLED AND RETAINED IN SERVICE IN ANY BUILDING OR STRUCTURE SUBJECT TO CALIFORNIA CODE OF REGULATIONS, TITLE 19 DIVISION 1 REGULATIONS SHALL BE MAINTAINED IN AN OPERABLE CONDITION AT ALL TIMES IN ACCORDANCE WITH CALIFORNIA CODE OF REGULATIONS TITLE 19 DIVISION 1 REGULATIONS AND WITH THEIR INTENDED USE.

9 TITLE 19 DIVISION 1§3.24 - UPON DISRUPTION OF DIMINISHMENT OF THE FIRE PROTECTIVE QUALITIES OF SUCH EQUIPMENT, MATERIAL OR SYSTEMS IMMEDIATE ACTION SHALL BE INSTITUTED TO EFFECT A REESTABLISHMENT OF SUCH EQUIPMENT MATERIAL OR SYSTEMS TO THEIR ORIGINAL NORMAL OPERATIONAL CONDITION.

10 CFC 901.5.1 - IT SHALL BE UNLAWFUL TO OCCUPY ANY PORTION OF A BUILDING OR STRUCTURE UNTIL THE REQUIRED FIRE DETECTION, ALARM SYSTEM HAS BEEN TESTED AND APPROVED.

11 CFC 901.5.1 - IT SHALL BE UNLAWFUL TO OCCUPY ANY PORTION OF A BUILDING OR STRUCTURE UNTIL THE REQUIRED FIRE DETECTION, ALARM SYSTEM HAS BEEN TESTED AND APPROVED.

12 FIRE ALARM SCOPE REQUIRES DSA APPROVED DRAWINGS FOR REFERENCE OF AREAS IN SCOPE INCLUDE COMPLIANT FIRE ALARM COMPONENTS (SMOKE-HEAT-AUDIBLE-VISUAL-MANUAL). (STATEMENT OF COMPLIANCE PER CFC 901.2.1; 901.6.2.1 & TITLE 19 DIVISION 1§904.1(b) 904.2(c) RECORD AS-BUILT DRAWINGS AND TEST REPORTS.) ROOMS / AREAS IN SCOPE TO INCLUDE EXISTING FIRE ALARM COMPONENTS.

13 CFC 1030.1 - THE MEANS OF EGRESS FOR BUILDING OR PORTIONS THEREOF SHALL BE MAINTAINED IN ACCORDANCE WITH THIS SECTION.

14 CFC 1030.4 - EXIT SIGNS SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH SECTION 1011.

15 CFC CHAPTER 11, PROVISIONS APPLICABLE TO EXISTING BUILDING.

16 CFC CHAPTER 33, FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION APPLICABLE PROVISIONS TO BE REPLICATED VERBATIM - SAMPLE SECTIONS - 3304 PRECAUTIONS AGAINST FIRE: 3304.2 WASTE DISPOSAL; 3304.5 FIRE WATCH; 3304.6 CUTTING AND WELDING; 3305 FLAMMABLE AND COMBUSTIBLE LIQUIDS; 3308 OWNERS RESPONSIBILITY; 3310 ACCESS FOR FIREFIGHTING; 3311 MEANS OF EGRESS; 3315 FIRE EXTINGUISHERS.

SCOPE OF FIRE ALARM WORK

THIS IS A STAND ALONE FULLY AUTOMATIC, ADDRESSABLE FIRE ALARM SYSTEM

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

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LICENSED ARCHITECT — TYSON CLINE NO. C-34436 — REN. 1-31-25 — STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

VENTURA HIGH SCHOOL PORT. TEAM ROOM

2 N CATALINA STREET, VENTURA, CA 93001

DSA SUBMITTAL
DSA A# 03-124683
DSA File No.: 56-H7

No.	Description	Date

Sheet Name

FIRE ALARM SYMBOLS DETAILS BATTERY CALCS

RNT Project No.	1023.00
Date	10/28/2024
Drawn by	CY
Checked by	TC

Sheet Number

E-002

JMPE
ELECTRICAL ENGINEERING
LIGHTING DESIGN
CA REGISTRATION NO E13083
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REGISTERED PROFESSIONAL ENGINEER — JAMES P. MALONEY — No. E011084 — EXP. 06/30/2025 — ELECTRICAL — STATE OF CALIFORNIA

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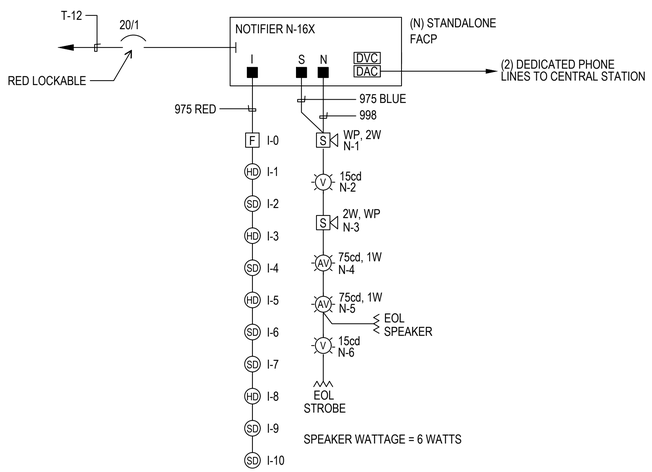
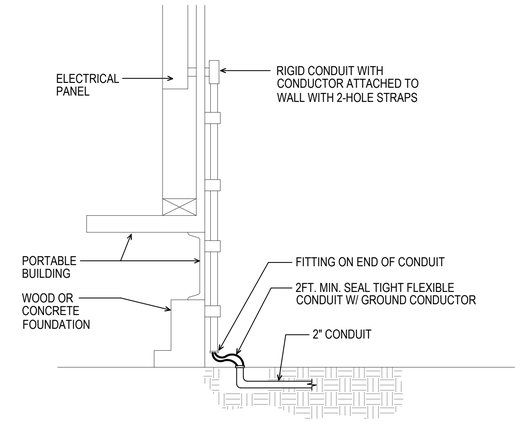


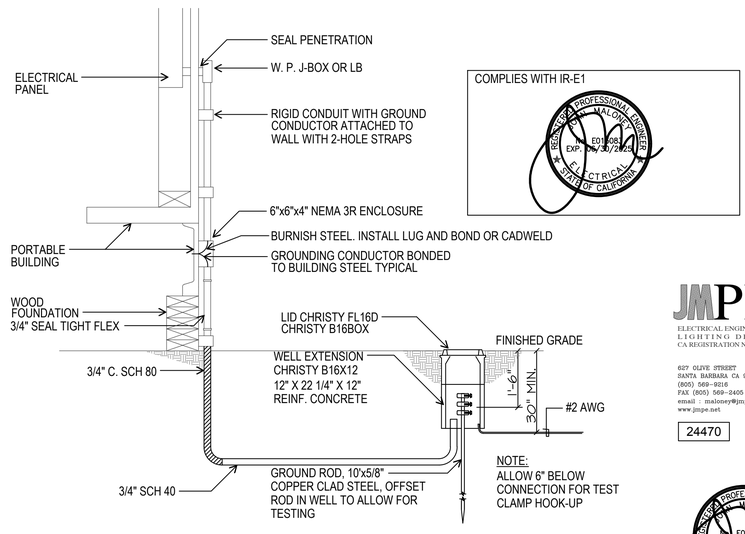
FIRE ALARM RISER DIAGRAM (E)

SCALE: NONE



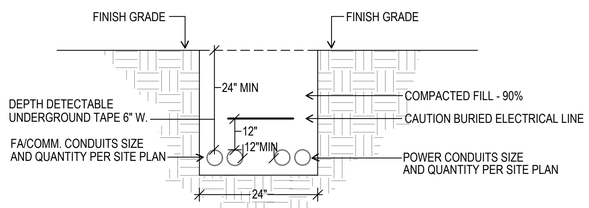
TEAM ROOM POWER CONNECTION (D)

SCALE: NONE



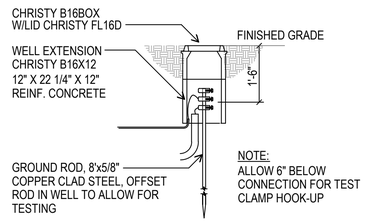
TYPICAL BONDING DETAIL (A)

SCALE: NONE



TRENCH DETAIL (C)

SCALE: NONE



FLUSH GROUND ACCESS BOX (B)

SCALE: NONE

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APP: 03-124683 INC:
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VENTURA HIGH SCHOOL PORT. TEAM ROOM

2 N CATALINA STREET,
VENTURA, CA 93001

DSA SUBMITTAL

DSA A# 03-124683
DSA File No.: 56-H7

No.	Description	Date

Sheet Name

ELECTRICAL DETAILS & FIRE ALARM RISER DIAGRAM

RNT Project No.	1023.00
Date	10/28/2024
Drawn by	CY
Checked by	TC

Sheet Number

E-003

JMPE
ELECTRICAL ENGINEERING
LIGHTING DESIGN
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REGISTERED PROFESSIONAL ENGINEER
JOHN MALONEY
No. E013083
EXP. 06/30/2025
ELECTRICAL
STATE OF CALIFORNIA

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STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2I for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4Bv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.		
Project Name: VENTURA HIGH SCHOOL TEMP. TEAM ROOM	**Report Page:**	**(Page 1 of 7)**
Project Address: 2 N. CATALINA STREET, VENTURA, CA. 93001	**Date Prepared:** 09-20-2024	

A. GENERAL INFORMATION

01	Project Location (city)	VENTURA	04	Total Illuminated Hardscape Area (ft²)	2020
02	Climate Zone	13			
03	Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):				
☐	LZ-0: Very Low - Undeveloped Parkland	☐ LZ-2: Moderate - Urban Clusters	☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval		
☐	LZ-1: Low - Rural Areas	☒ LZ-3: Moderately High - Urban Areas			
05	Occupancy Types within Project				
● Relocatable Public School					

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2I / 180.2(b)4Bv for alterations.

My Project Consists of:

01	02	
☐ New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6	
☒ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)?	● Yes ○ No
03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%		

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] *FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.*

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 110034-0523-0002

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: VENTURA HIGH SCHOOL TEMP. TEAM ROOM	**Report Page:**	**(Page 2 of 7)**
	Date Prepared: 09-20-2024	

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv											Compliance Results		
01		02		03		04		05		06	07	08	09
General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d)2 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)	OR	Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)	= **Total Allowed** (Watts)	≥ **Total Actual** (Watts)	**07 must be >= 08**
127.22	+	---	+	---	+	---	+	---	OR	---	= 127.22	≥ 108	COMPLIES
Shielding Compliance (See Table G for Details)													N/A
Controls Compliance (See Table H for Details)													COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 110034-0523-0002

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: VENTURA HIGH SCHOOL TEMP. TEAM ROOM	**Report Page:**	**(Page 3 of 7)**
	Date Prepared: 09-20-2024	

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1, 2]	How is Wattage determined	Total Number Luminaires[2]	Luminaire Status[3]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)1[4]	Field Inspector	
										Pass	Fail
A	LED WALL SCONCE	☐ Linear	54	Mfr. Spec	2	New	☐	108	NA: < 6200 lumens	☐	☐
							Total Design Watts:	108			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)

[1] *FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)*
[2] *For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.*
[3] *Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.*
[4] *Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c)*

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 110034-0523-0002

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: VENTURA HIGH SCHOOL TEMP. TEAM ROOM	**Report Page:**	**(Page 4 of 7)**
	Date Prepared: 09-20-2024	

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector	
				Pass	Fail
BUILDING WALKWAY: "A"	Astronomical Timer	Provided	Provided	☐	☐

[1] *FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.*
[2] *Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.*
[3] *Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.*

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 110034-0523-0002

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: VENTURA HIGH SCHOOL TEMP. TEAM ROOM	**Report Page:**	**(Page 5 of 7)**
	Date Prepared: 09-20-2024	

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.
Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

	01				
	"Use it or lose it" Allowance (select all that apply) (select all that apply)				
☒ General Hardscape Allowance Table I (below)	☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☐ Per Specific Area Table M	

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

02	03	04	05	06	07	08	09
Area Description	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)
	Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
BUILDING WALKWAY	2020	0.021	42.42	424	0.2	84.8	127.22
Initial Wattage Allowance for Entire Site (Watts):							
Instances of Initial Wattage Allowance (LZ 0 only)[1]							
Total General Hardscape Allowance (Watts):							127.22

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 110034-0523-0002

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: VENTURA HIGH SCHOOL TEMP. TEAM ROOM	**Report Page:**	**(Page 6 of 7)**
	Date Prepared: 09-20-2024	

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	BUILDING WALKWAY: "A"

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 110034-0523-0002

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: VENTURA HIGH SCHOOL TEMP. TEAM ROOM	**Report Page:**	**(Page 7 of 7)**
Project Address: 2 N. CATALINA STREET, VENTURA, CA. 93001	**Date Prepared:** 09-20-2024	

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: John Maloney	Documentation Author Signature:
Company: JMPE	Signature Date: 09-20-2024
Address: 627 OLIVE STREET	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: SANTA BARBARA, CA. 93101	Phone: (805) 569-9216

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: JOHN MALONEY	Responsible Designer Signature:
Company: JMPE	Date Signed: 09-20-2024
Address: 627 OLIVE STREET	License: E013083
City/State/Zip: SANTA BARBARA, CA. 93101	Phone: (805) 569-9216

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 110034-0523-0002

LED FIXTURE SCHEDULE

		LED MODULE					
TYPE	MANUFACTURER AND CATALOG NUMBER	TYPE	COLOR TEMP	WATTS	DRIVER	OPTIC/LENS	REMARKS
A 54	LITHONIA TWX2 LED ALD 30K MVOLT PE DDBXD		3000K	54	0-10V	PRISMATIC	WALL PACK W/ PHOTOCELL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

Roesling Nakamura Terada Architects
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www.RNTarchitects.com

LICENSED ARCHITECT TYSON CLINE NO. C-34436 REN. 1-31-25 STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

VENTURA HIGH SCHOOL PORT. TEAM ROOM

2 N CATALINA STREET, VENTURA, CA 93001

DSA SUBMITTAL
DSA A# 03-124683
DSA File No.: 56-H7

No.	Description	Date

Sheet Name

OUTDOOR LIGHTING COMPLIANCE FORMS

RNT Project No.	1023.00
Date	9/20/2024
Drawn by	CY
Checked by	TC

Sheet Number

E-004

JMPE
ELECTRICAL ENGINEERING
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24470

REGISTERED PROFESSIONAL ENGINEER JOHN MALONEY No. E013083 EXP. 06/30/2025 ELECTRICAL STATE OF CALIFORNIA

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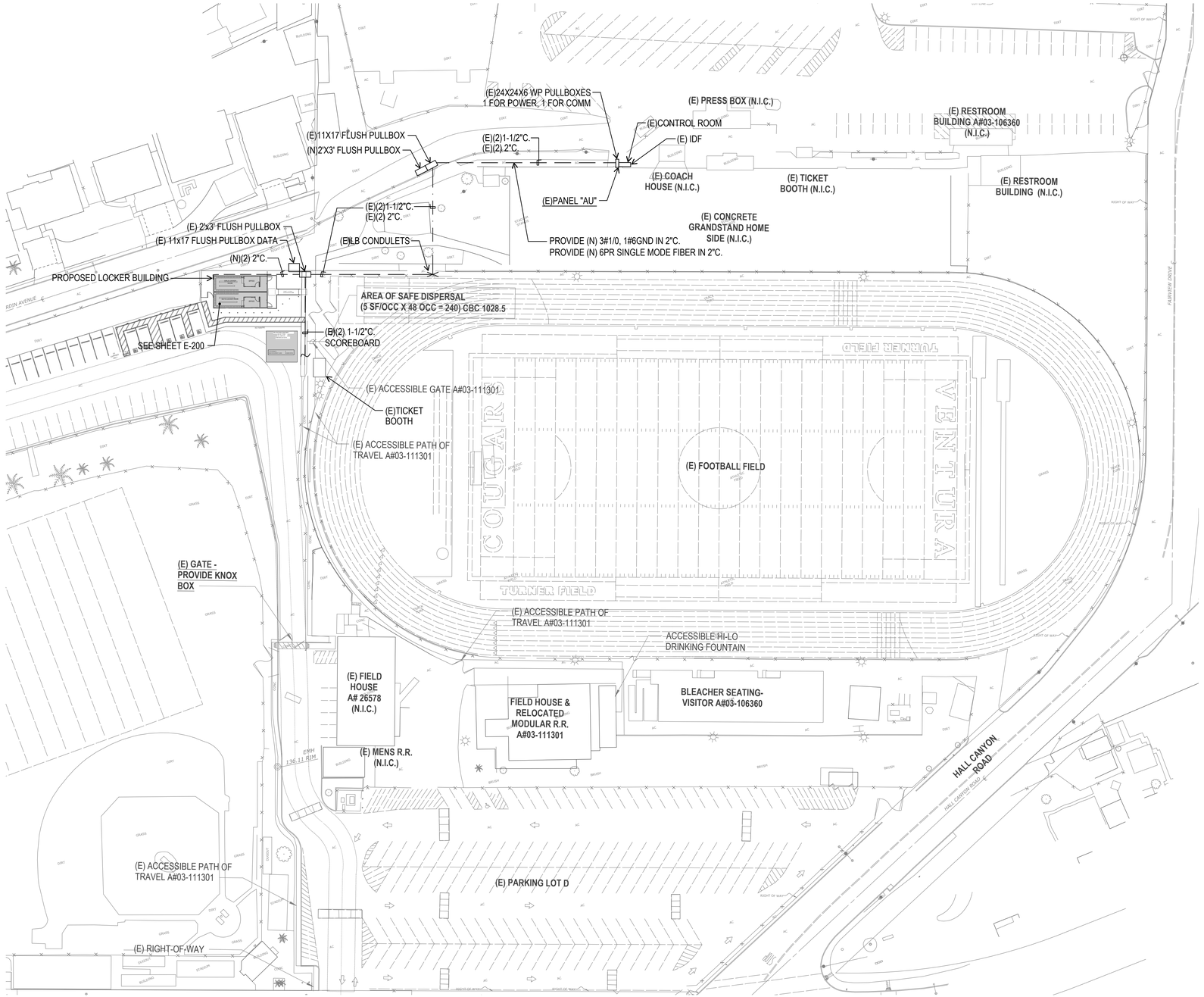

NORTH

ELECTRICAL SITE PLAN

SCALE : 1" = 40'-0"

0 10 20 40 80

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DIV. OF THE STATE ARCHITECT
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REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

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DSA SUBMITTAL

DSA A# 03-124683
DSA File No.: 56-H7

No.	Description	Date

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REGISTERED PROFESSIONAL ENGINEER
EDMOND J. MALONEY, JR.
EXP. 06/30/2025
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name

ELECTRICAL SITE PLAN

RNT Project No.	1023.00
Date	10/28/2024
Drawn by	CY
Checked by	TC

Sheet Number

E-100

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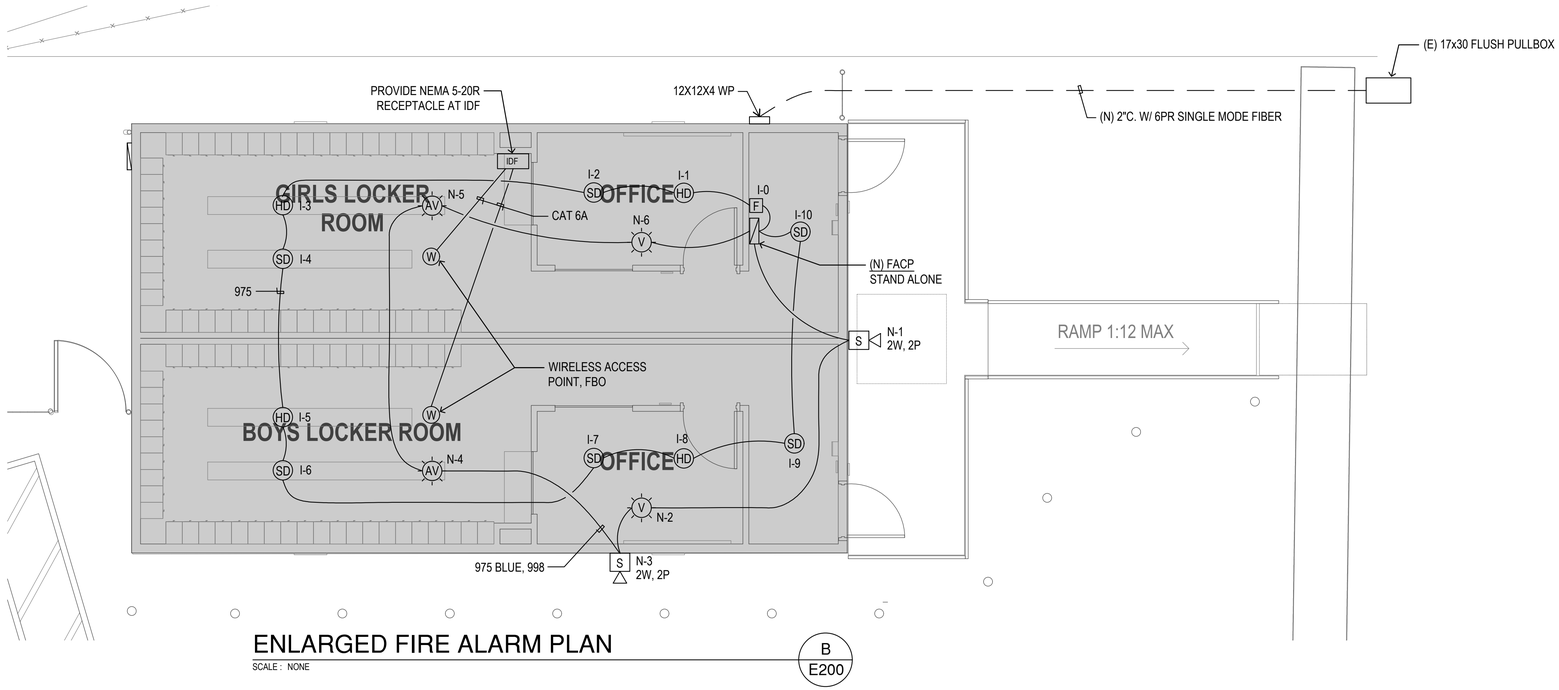
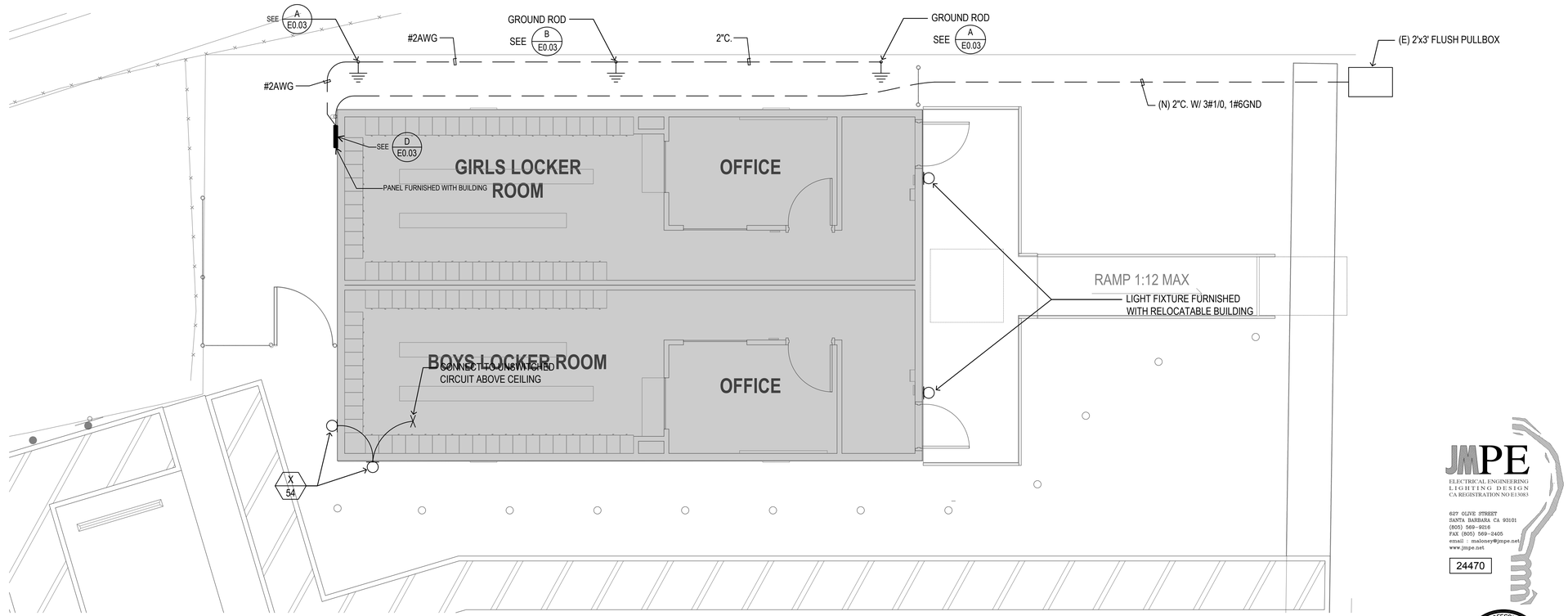


ENLARGED FIRE ALARM PLAN

SCALE : NONE

B
E200



ENLARGED ELECTRICAL PLAN

SCALE : NONE

A
E200

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STATE OF CALIFORNIA

Sheet Name

ENLARGED ELECTRICAL PLANS

RNT Project No.	1023.00
Date	10/28/2024
Drawn by	CY
Checked by	TC

Sheet Number

E-200

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SECTION 28 31 11 - FIRE DETECTION AND ALARM SYSTEM

PART 1 - GENERAL

1.1 BASIC SYSTEM FUNCTIONAL OPERATION

A. WHEN A FIRE ALARM CONDITION IS DETECTED AND REPORTED BY ONE OF THE SYSTEM INITIATING DEVICES, THE FOLLOWING FUNCTIONS SHALL IMMEDIATELY OCCUR:

1. THE SYSTEM ALARM LED ON THE SYSTEM DISPLAY SHALL FLASH.
2. A LOCAL PIEZO ELECTRIC SIGNAL IN THE CONTROL PANEL SHALL SOUND.
3. A BACKLIT LCD DISPLAY SHALL INDICATE ALL INFORMATION ASSOCIATED WITH THE FIRE ALARM CONDITION, INCLUDING THE TYPE OF ALARM POINT AND ITS LOCATION WITHIN THE PROTECTED PREMISES.
4. PRINTING AND HISTORY STORAGE EQUIPMENT SHALL LOG THE INFORMATION ASSOCIATED EACH NEW FIRE ALARM CONTROL PANEL CONDITION, ALONG WITH TIME AND DATE OF OCCURRENCE.
5. ALL SYSTEM OUTPUT PROGRAMS ASSIGNED VIA CONTROL-BY-EVENT INTERLOCK PROGRAMMING TO BE ACTIVATED BY THE PARTICULAR POINT IN ALARM SHALL BE EXECUTED, AND THE ASSOCIATED SYSTEM OUTPUTS (NOTIFICATION APPLIANCES AND/OR RELAYS) SHALL BE ACTIVATED.

PART 2 - PRODUCTS

2.1 EQUIPMENT AND MATERIAL, GENERAL

A. ALL EQUIPMENT AND COMPONENTS SHALL BE NEW, NOTIFIER, CURRENT MODELS, THE MATERIALS, APPLIANCES, EQUIPMENT AND DEVICES SHALL BE TESTED AND LISTED BY A NATIONALLY RECOGNIZED APPROVALS AGENCY FOR USE AS PART OF A PROTECTIVE SIGNALING SYSTEM, MEETING THE NATIONAL FIRE ALARM CODE.

B. ALL EQUIPMENT AND COMPONENTS SHALL BE INSTALLED IN STRICT COMPLIANCE WITH NOTIFIERS' RECOMMENDATIONS. CONSULT THE MANUFACTURER'S INSTALLATION MANUALS FOR ALL WIRING DIAGRAMS, SCHEMATICS, PHYSICAL EQUIPMENT SIZES, ETC., BEFORE BEGINNING SYSTEM INSTALLATION.

C. ALL EQUIPMENT SHALL BE ATTACHED TO WALLS AND CEILING/FLOOR ASSEMBLIES AND SHALL BE HELD FIRMLY IN PLACE (E.G., DETECTORS SHALL NOT BE SUPPORTED SOLELY BY SUSPENDED CEILINGS). FASTENERS AND SUPPORTS SHALL BE ADEQUATE TO SUPPORT THE REQUIRED LOAD.

2.2 MAIN FIRE ALARM CONTROL PANEL OR NETWORK NODE

A. MAIN FACP IS A NOTIFIER #N16, IT CONTAINS A MICROPROCESSOR BASED CENTRAL PROCESSING UNIT (CPU) AND POWER SUPPLY IN AN ECONOMICAL SPACE SAVING SINGLE BOARD DESIGN. THE CPU SHALL COMMUNICATE WITH AND CONTROL THE FOLLOWING TYPES OF EQUIPMENT USED TO MAKE UP THE SYSTEM: INTELLIGENT ADDRESSABLE SMOKE AND THERMAL (HEAT) DETECTORS, ADDRESSABLE MODULES, PRINTER, ANNUNCIATORS, AND OTHER SYSTEM CONTROLLED DEVICES.

B. OPERATOR CONTROL:

1. ACKNOWLEDGE SWITCH:

a. ACTIVATION OF THE CONTROL PANEL ACKNOWLEDGE SWITCH IN RESPONSE TO NEW ALARMS AND/OR TROUBLES SHALL SILENCE THE LOCAL PANEL PIEZO ELECTRIC SIGNAL AND CHANGE THE ALARM AND TROUBLE LEDS FROM FLASHING MODE TO STEADY-ON MODE. IF MULTIPLE ALARM OR TROUBLE CONDITIONS EXIST, DEPRESSION OF THIS SWITCH SHALL ADVANCE THE LCD DISPLAY TO THE NEXT ALARM OR TROUBLE CONDITION.

b. DEPRESSION OF THE ACKNOWLEDGE SWITCH SHALL ALSO SILENCE ALL REMOTE ANNUNCIATOR PIEZO SOUNDERS.

2. ALARM SILENCE SWITCH: ACTIVATION OF THE ALARM SILENCE SWITCH SHALL CAUSE ALL PROGRAMMED ALARM NOTIFICATION APPLIANCES AND RELAYS TO RETURN TO THE NORMAL CONDITION AFTER AN ALARM CONDITION. THE SELECTION OF NOTIFICATION CIRCUITS AND RELAYS THAT ARE SILENCEABLE BY THIS SWITCH SHALL BE FULLY FIELD PROGRAMMABLE WITHIN THE CONFINES OF ALL APPLICABLE STANDARDS. THE FACP SOFTWARE SHALL INCLUDE SILENCE INHIBIT AND AUTO-SILENCE TIMERS.

3. ALARM ACTIVATE (DRILL) SWITCH: THE ALARM ACTIVATE SWITCH SHALL ACTIVATE ALL NOTIFICATION APPLIANCE CIRCUITS. THE DRILL FUNCTION SHALL LATCH UNTIL THE PANEL IS SILENCED OR RESET.

4. SYSTEM RESET SWITCH: ACTIVATION OF THE SYSTEM RESET SWITCH SHALL CAUSE ALL ELECTRONICALLY-LATCHED INITIATING DEVICES, APPLIANCES OR SOFTWARE ZONES, AS WELL AS ALL ASSOCIATED OUTPUT DEVICES AND CIRCUITS, TO RETURN TO THEIR NORMAL CONDITION.

5. LAMP TEST: THE LAMP TEST SWITCH SHALL ACTIVATE ALL LOCAL SYSTEM LEDS, LIGHT EACH SEGMENT OF THE LIQUID CRYSTAL DISPLAY AND DISPLAY THE PANEL SOFTWARE REVISION FOR SERVICE PERSONAL.

C. SYSTEM CAPACITY AND GENERAL OPERATION

1. THE CONTROL PANEL OR EACH NETWORK NODE SHALL PROVIDE, OR BE CAPABLE OF EXPANSION TO 636 INTELLIGENT/ADDRESSABLE DEVICES.
2. THE CONTROL PANEL OR EACH NETWORK NODE SHALL INCLUDE FORM-C ALARM, TROUBLE, SUPERVISORY, AND SECURITY RELAYS RATED AT A MINIMUM OF 2.0 AMPS @ 30 VDC.
3. IT SHALL ALSO INCLUDE FOUR CLASS B (NFPA STYLE Y) OR CLASS A (NFPA STYLE Z) PROGRAMMABLE NOTIFICATION APPLIANCE CIRCUITS.
4. THE NOTIFICATION APPLIANCE CIRCUITS SHALL BE PROGRAMMABLE TO SYNCRONIZE WITH SYSTEM SENSOR, GENTEX AND WHEELOCK NOTIFICATION APPLIANCES.
5. THE SYSTEM SHALL INCLUDE A FULL FEATURED OPERATOR INTERFACE CONTROL AND ANNUNCIATION PANEL THAT SHALL INCLUDE A BACKLIT LIQUID CRYSTAL DISPLAY (LCD), INDIVIDUAL COLOR CODED SYSTEM STATUS LEDS, AND AN ALPHANUMERIC KEYPAD WITH EASY TOUCH RUBBER KEYS FOR THE FIELD PROGRAMMING AND CONTROL OF THE FIRE ALARM SYSTEM.
6. THE SYSTEM SHALL BE PROGRAMMABLE, CONFIGURABLE, AND EXPANDABLE IN THE FIELD WITHOUT THE NEED FOR SPECIAL TOOLS, PROM PROGRAMMERS OR PC BASED PROGRAMMERS. IT SHALL NOT REQUIRE REPLACEMENT OF MEMORY ICS TO FACILITATE PROGRAMMING CHANGES.
7. THE SYSTEM SHALL ALLOW THE PROGRAMMING OF ANY INPUT TO ACTIVATE ANY OUTPUT OR GROUP OF OUTPUTS. SYSTEMS THAT HAVE LIMITED PROGRAMMING (SUCH AS GENERAL ALARM), HAVE COMPLICATED PROGRAMMING (SUCH AS A DIODE MATRIX), OR REQUIRE A LAPTOP PERSONAL COMPUTER ARE NOT CONSIDERED SUITABLE SUBSTITUTES.

   THE FACP SHALL SUPPORT UP TO 20 LOGIC EQUATIONS, INCLUDING "AND," "OR," AND "NOT," OR TIME DELAY EQUATIONS TO BE USED FOR ADVANCED PROGRAMMING. LOGIC EQUATIONS SHALL REQUIRE THE USE OF A PC WITH A SOFTWARE UTILITY DESIGNED FOR PROGRAMMING.
8. THE FACP OR EACH NETWORK NODE SHALL PROVIDE THE FOLLOWING FEATURES:

a. DRIFT COMPENSATION TO EXTEND DETECTOR ACCURACY OVER LIFE. DRIFT COMPENSATION SHALL ALSO INCLUDE A SMOOTHING FEATURE, ALLOWING TRANSIENT NOISE SIGNALS TO BE FILTERED OUT.

b. DETECTOR SENSITIVITY TEST, MEETING REQUIREMENTS OF NFPA 72, CHAPTER 7.

c. MAINTENANCE ALERT, WITH TWO LEVELS (MAINTENANCE ALERT/MAINTENANCE URGENT), TO WARN OF EXCESSIVE SMOKE DETECTOR DIRT OR DUST ACCUMULATION.

d. NINE SENSITIVITY LEVELS FOR ALARM, SELECTED BY DETECTOR. THE ALARM LEVEL RANGE SHALL BE .5 TO 2.35 PERCENT PER FOOT FOR PHOTOELECTRIC DETECTORS AND 0.5 TO 2.5 PERCENT PER FOOT FOR IONIZATION DETECTORS. THE SYSTEM SHALL ALSO SUPPORT SENSITIVE ADVANCED DETECTION LASER DETECTORS WITH AN ALARM LEVEL RANGE OF .03 PERCENT PER FOOT TO 1.0 PERCENT PER FOOT. THE SYSTEM SHALL ALSO INCLUDE UP TO NINE LEVELS OF PREALARM, SELECTED BY DETECTOR, TO INDICATE IMPENDING ALARMS TO MAINTENANCE PERSONNEL.

e. THE ABILITY TO DISPLAY OR PRINT SYSTEM REPORTS.

f. ALARM VERIFICATION, WITH COUNTERS AND A TROUBLE INDICATION TO ALERT MAINTENANCE PERSONNEL WHEN A DETECTOR ENTERS VERIFICATION 20 TIMES.

g. PAS PRESIGNAL, MEETING NFPA 72 3-8.3 REQUIREMENTS.

h. RAPID MANUAL STATION REPORTING (UNDER 3 SECONDS) AND SHALL MEET NFPA 72 CHAPTER 1 REQUIREMENTS FOR ACTIVATION OF NOTIFICATION CIRCUITS WITHIN 10 SECONDS OF INITIATING DEVICE ACTIVATION.

i. PERIODIC DETECTOR TEST, CONDUCTED AUTOMATICALLY BY THE SOFTWARE.

j. SELF OPTIMIZING PRE-ALARM FOR ADVANCED FIRE WARNING, WHICH ALLOWS EACH DETECTOR TO LEARN ITS PARTICULAR ENVIRONMENT AND SET ITS PREALARM LEVEL TO JUST ABOVE NORMAL PEAKS.

k. CROSS ZONING WITH THE CAPABILITY OF COUNTING: TWO DETECTORS IN ALARM, TWO SOFTWARE ZONES IN ALARM, OR ONE SMOKE DETECTOR AND ONE THERMAL DETECTOR.

l. WALK TEST, WITH A CHECK FOR TWO DETECTORS SET TO SAME ADDRESS.

m. CONTROL-BY-TIME FOR NON-FIRE OPERATIONS, WITH HOLIDAY SCHEDULES.

n. DAY/NIGHT AUTOMATIC ADJUSTMENT OF DETECTOR SENSITIVITY.

o. DEVICE BLINK CONTROL FOR SLEEPING AREAS.

F. SIGNALING LINE CIRCUITS (SLC):

1. EACH FACP OR FACP NETWORK NODE SHALL SUPPORT UP TO TWO SLCS. EACH SLC INTERFACE SHALL PROVIDE POWER TO AND COMMUNICATE WITH UP TO 159 INTELLIGENT DETECTORS (IONIZATION, PHOTOELECTRIC OR THERMAL) AND 159 INTELLIGENT MODULES (MONITOR OR CONTROL) FOR A LOOP CAPACITY OF 318 DEVICES. THE ADDITION OF THE OPTIONAL SECOND LOOP SHALL DOUBLE THE DEVICE CAPACITY, SUPPORTING A TOTAL OF 636 DEVICES. EACH SLC SHALL BE CAPABLE OF NFPA 72 STYLE 4, STYLE 6, OR STYLE 7 (CLASS A OR B) WIRING.

2. CPU SHALL RECEIVE ANALOG INFORMATION FROM ALL INTELLIGENT DETECTORS TO BE PROCESSED TO DETERMINE WHETHER NORMAL, ALARM, PREALARM, OR TROUBLE CONDITIONS EXIST FOR EACH DETECTOR. THE SOFTWARE SHALL AUTOMATICALLY MAINTAIN THE DETECTOR'S DESIRED SENSITIVITY LEVEL BY ADJUSTING FOR THE EFFECTS OF ENVIRONMENTAL FACTORS, INCLUDING THE ACCUMULATION OF DUST IN EACH DETECTOR. THE ANALOG INFORMATION SHALL ALSO BE USED FOR AUTOMATIC DETECTOR TESTING AND FOR THE AUTOMATIC DETERMINATION OF DETECTOR MAINTENANCE REQUIREMENTS.

I. POWER SUPPLY:

1. A HIGH TECH OFF-LINE SWITCHING POWER SUPPLY SHALL BE AVAILABLE FOR THE FIRE ALARM CONTROL PANEL OR NETWORK NODE AND PROVIDE 6.0 AMPS OF AVAILABLE POWER FOR THE CONTROL PANEL AND PERIPHERAL DEVICES.
2. PROVISIONS WILL BE MADE TO ALLOW THE AUDIO-VISUAL POWER TO BE INCREASED AS REQUIRED BY ADDING MODULAR EXPANSION AUDIO-VISUAL POWER SUPPLIES.
3. POSITIVE-TEMPERATURE-COEFFICIENT (PTC) THERMISTORS, CIRCUIT BREAKERS, OR OTHER OVER-CURRENT PROTECTION SHALL BE PROVIDED ON ALL POWER OUTPUTS. THE POWER SUPPLY SHALL PROVIDE AN INTEGRAL BATTERY CHARGER FOR USE WITH BATTERIES UP TO 55 AH OR MAY BE USED WITH AN EXTERNAL BATTERY AND CHARGER SYSTEM. BATTERY ARRANGEMENT MAY BE CONFIGURED IN THE FIELD.
4. THE POWER SUPPLY SHALL CONTINUOUSLY MONITOR ALL FIELD WIRES FOR EARTH GROUND CONDITIONS, AND SHALL HAVE THE FOLLOWING LED INDICATORS:

   GROUND FAULT LED
   AC POWER FAIL LED
   NAC ON LED (4)

5. THE MAIN POWER SUPPLY SHALL OPERATE ON 120 VAC, 60 HZ, AND SHALL PROVIDE ALL NECESSARY POWER FOR THE FACP.
6. THE MAIN POWER SUPPLY SHALL PROVIDE A BATTERY CHARGER USING DUAL-RATE CHARGING TECHNIQUES FOR FAST BATTERY RECHARGE AND BE CAPABLE OF CHARGING BATTERIES UP TO 200 AH.
7. ALL CIRCUITS SHALL BE POWER-LIMITED, PER UL864 REQUIREMENTS.

2.3 SYSTEM COMPONENTS

A. STROBE LIGHTS SHALL MEET THE REQUIREMENTS OF THE ADA, UL STANDARD 1971, BE FULLY SYNCHRONIZED, AND SHALL MEET THE FOLLOWING CRITERIA:

1. THE MAXIMUM PULSE DURATION SHALL BE 2/10 OF ONE SECOND
2. STROBE INTENSITY SHALL MEET THE REQUIREMENTS OF UL 1971.
3. THE FLASH RATE SHALL MEET THE REQUIREMENTS OF UL 1971.

2.4 SYSTEM COMPONENTS - ADDRESSABLE DEVICES

A. ADDRESSABLE DEVICES - GENERAL:

1. ADDRESSABLE DEVICES SHALL USE SIMPLE TO INSTALL AND MAINTAIN DECADE, DECIMAL ADDRESS SWITCHES. DEVICES SHALL BE CAPABLE OF BEING SET TO AN ADDRESS IN A RANGE OF 001 TO 159.
2. ADDRESSABLE DEVICES, WHICH USE A BINARY-CODED ADDRESS SETTING METHOD, SUCH AS A DIP-SWITCH, ARE NOT AN ALLOWABLE SUBSTITUTE.
3. DETECTORS SHALL BE INTELLIGENT (ANALOG) AND ADDRESSABLE, AND SHALL CONNECT WITH TWO WIRES TO THE FIRE ALARM CONTROL PANEL SIGNALING LINE CIRCUITS.
4. ADDRESSABLE SMOKE AND THERMAL DETECTORS SHALL PROVIDE DUAL ALARM AND POWER/POLLING LEDS. BOTH LEDS SHALL FLASH GREEN UNDER NORMAL CONDITIONS, INDICATING THAT THE DETECTOR IS OPERATIONAL AND IN REGULAR COMMUNICATION WITH THE CONTROL PANEL, AND BOTH LEDS SHALL BE PLACED INTO STEADY RED ILLUMINATION BY THE CONTROL PANEL, INDICATING THAT AN ALARM CONDITION HAS BEEN DETECTED. IF REQUIRED, THE LED FLASH SHALL HAVE THE ABILITY TO BE REMOVED FROM THE SYSTEM PROGRAM. AN OUTPUT CONNECTION SHALL ALSO BE PROVIDED IN THE BASE TO CONNECT AN EXTERNAL REMOTE ALARM LED.
5. THE FIRE ALARM CONTROL PANEL SHALL PERMIT DETECTOR SENSITIVITY ADJUSTMENT THROUGH FIELD PROGRAMMING OF THE SYSTEM. THE PANEL ON A TIME-OF-DAY BASIS SHALL AUTOMATICALLY ADJUST SENSITIVITY.
6. USING SOFTWARE IN THE FACP, DETECTORS SHALL AUTOMATICALLY COMPENSATE FOR DUST ACCUMULATION AND OTHER SLOW ENVIRONMENTAL CHANGES THAT MAY AFFECT THEIR PERFORMANCE. THE DETECTORS SHALL BE LISTED BY UL AS MEETING THE CALIBRATED SENSITIVITY TEST REQUIREMENTS OF NFPA STANDARD 72, CHAPTER 7.
7. THE DETECTORS SHALL BE CEILING-MOUNT AND SHALL INCLUDE A SEPARATE TWIST-LOCK BASE WITH TAMPER PROOF FEATURE. BASES SHALL INCLUDE A SOUNDER BASE WITH A BUILT-IN (LOCAL) SOUNDER RATED AT 85 DBA MINIMUM, A RELAY BASE AND AN ISOLATOR BASE DESIGNED FOR STYLE 7 APPLICATIONS.
8. THE DETECTORS SHALL PROVIDE A TEST MEANS WHEREBY THEY WILL SIMULATE AN ALARM CONDITION AND REPORT THAT CONDITION TO THE CONTROL PANEL. SUCH A TEST MAY BE INITIATED AT THE DETECTOR ITSELF (BY ACTIVATING A MAGNETIC SWITCH) OR INITIATED REMOTELY ON COMMAND FROM THE CONTROL PANEL.
9. DETECTORS SHALL ALSO STORE AN INTERNAL IDENTIFYING TYPE CODE THAT THE CONTROL PANEL SHALL USE TO IDENTIFY THE TYPE OF DEVICE (ION, PHOTO, THERMAL).
10. DETECTORS WILL OPERATE IN AN ANALOG FASHION, WHERE THE DETECTOR SIMPLY MEASURES ITS DESIGNED ENVIRONMENT VARIABLE AND TRANSMITS AN ANALOG VALUE TO THE FACP BASED ON REAL-TIME MEASURED VALUES. THE FACP SOFTWARE, NOT THE DETECTOR, SHALL MAKE THE ALARM/NORMAL DECISION, THEREBY ALLOWING THE SENSITIVITY OF EACH DETECTOR TO BE SET IN THE FACP PROGRAM AND ALLOWING THE SYSTEM OPERATOR TO VIEW THE CURRENT ANALOG VALUE OF EACH DETECTOR.
11. ADDRESSABLE DEVICES SHALL STORE AN INTERNAL IDENTIFYING CODE THAT THE CONTROL PANEL SHALL USE TO IDENTIFY THE TYPE OF DEVICE.
12. A MAGNETIC TEST SWITCH SHALL BE PROVIDED TO TEST DETECTORS AND MODULES. DETECTORS SHALL REPORT AN INDICATION OF AN ANALOG VALUE REACHING 100% OF THE ALARM THRESHOLD.
13. ADDRESSABLE MODULES SHALL MOUNT IN A 4-INCH SQUARE (101.6 MM SQUARE), 2-1/8 INCH (54 MM) DEEP ELECTRICAL BOX. AN OPTIONAL SURFACE MOUNT LEXAN ENCLOSURE SHALL BE AVAILABLE.

B. ADDRESSABLE MANUAL FIRE ALARM BOX (MANUAL STATION):

1. ADDRESSABLE MANUAL FIRE ALARM BOXES SHALL, ON COMMAND FROM THE CONTROL PANEL, SEND DATA TO THE PANEL REPRESENTING THE STATE OF THE MANUAL SWITCH AND THE ADDRESSABLE COMMUNICATION MODULE STATUS. THEY SHALL USE A KEY OPERATED TEST-RESET LOCK, AND SHALL BE DESIGNED SO THAT AFTER ACTUAL EMERGENCY OPERATION, THEY CANNOT BE RESTORED TO NORMAL USE EXCEPT BY THE USE OF A KEY.
2. ALL OPERATED STATIONS SHALL HAVE A POSITIVE, VISUAL INDICATION OF OPERATION AND UTILIZE A KEY TYPE RESET.
3. MANUAL FIRE ALARM BOXES SHALL BE CONSTRUCTED OF LEXAN WITH CLEARLY VISIBLE OPERATING INSTRUCTIONS PROVIDED ON THE COVER. THE WORD FIRE SHALL APPEAR ON THE FRONT OF THE STATIONS IN RAISED LETTERS, 1.75 INCHES (44 MM) OR LARGER.

C. INTELLIGENT PHOTOELECTRIC SMOKE DETECTOR: THE DETECTORS SHALL USE THE PHOTOELECTRIC (LIGHT-SCATTERING) PRINCIPAL TO MEASURE SMOKE DENSITY AND SHALL, ON COMMAND FROM THE CONTROL PANEL, SEND DATA TO THE PANEL REPRESENTING THE ANALOG LEVEL OF SMOKE DENSITY.

D. INTELLIGENT LASER PHOTO SMOKE DETECTOR:

1. THE INTELLIGENT LASER PHOTO SMOKE DETECTOR SHALL BE A SPOT TYPE DETECTOR THAT INCORPORATES AN EXTREMELY BRIGHT LASER DIODE AND AN INTEGRAL LENS THAT FOCUSES THE LIGHT BEAM TO A VERY SMALL VOLUME NEAR A RECEIVING PHOTO SENSOR. THE SCATTERING OF SMOKE PARTICLES SHALL ACTIVATE THE PHOTO SENSOR.
2. THE LASER DETECTOR SHALL HAVE CONDUCTIVE PLASTIC SO THAT DUST ACCUMULATION IS REDUCED SIGNIFICANTLY.
3. THE INTELLIGENT LASER PHOTO DETECTOR SHALL HAVE NINE SENSITIVITY LEVELS AND BE SENSITIVE TO A MINIMUM OBSCURATION OF 0.03 PERCENT PER FOOT.
4. THE LASER DETECTOR SHALL NOT REQUIRE EXPENSIVE CONDUIT, SPECIAL FITTINGS OR PVC PIPE.
5. THE INTELLIGENT LASER PHOTO DETECTOR SHALL SUPPORT STANDARD, RELAY, ISOLATOR AND SOUNDER DETECTOR BASES.
6. THE LASER PHOTO DETECTOR SHALL NOT REQUIRE OTHER CLEANING REQUIREMENTS THAN THOSE LISTED IN NFPA 72. REPLACEMENT, REFURBISHMENT OR SPECIALIZED CLEANING OF THE DETECTOR HEAD SHALL NOT BE REQUIRED.
7. THE LASER PHOTO DETECTOR SHALL INCLUDE TWO BICOLOR LEDS THAT FLASH GREEN IN NORMAL OPERATION AND TURN ON STEADY RED IN ALARM.

E. INTELLIGENT IONIZATION SMOKE DETECTOR: THE DETECTORS SHALL USE THE DUAL-CHAMBER IONIZATION PRINCIPAL TO MEASURE PRODUCTS OF COMBUSTION AND SHALL, ON COMMAND FROM THE CONTROL PANEL, SEND DATA TO THE PANEL REPRESENTING THE ANALOG LEVEL OF PRODUCTS OF COMBUSTION.

F. INTELLIGENT THERMAL DETECTORS: THERMAL DETECTORS SHALL BE INTELLIGENT ADDRESSABLE DEVICES RATED AT 135 DEGREES FAHRENHEIT (58 DEGREES CELSIUS) AND HAVE A RATE-OF-RISE ELEMENT RATED AT 15 DEGREES F (9.4 DEGREES C) PER MINUTE. IT SHALL CONNECT VIA TWO WIRES TO THE FIRE ALARM CONTROL PANEL SIGNALING LINE CIRCUIT.

2.5 BATTERIES

A. THE BATTERY SHALL HAVE SUFFICIENT CAPACITY TO POWER THE FIRE ALARM SYSTEM FOR NOT LESS THAN TWENTY-FOUR HOURS PLUS 5 MINUTES OF ALARM UPON A NORMAL AC POWER FAILURE.

B. THE BATTERIES ARE TO BE COMPLETELY MAINTENANCE FREE. NO LIQUIDS ARE REQUIRED. FLUID LEVEL CHECKS FOR REFILLING, SPILLS, AND LEAKAGE SHALL NOT BE REQUIRED.

C. IF NECESSARY TO MEET STANDBY REQUIREMENTS, EXTERNAL BATTERY AND CHARGER SYSTEMS MAY BE USED.

END OF SECTION 28 31 11

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No.	Description	Date

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FIRE ALARM SPECIFICATIONS

RNT Project No.	1023.00
Date	9/20/2024
Drawn by	CY
Checked by	TC

Sheet Number

E-300

SECTION 26 00 00 - ELECTRICAL

PART 1 _ GENERAL

1.1 IDENTIFICATION OF EQUIPMENT

A. DISTRIBUTION PANELBOARDS: IDENTIFICATION SHALL BE WITH 1" X 4" LAMINATED, WHITE ON BLACK, MICARTA NAMEPLATES ON EACH MAJOR COMPONENT, EACH WITH NAME AND/OR NUMBER OF UNIT AND OTHER PERTINENT DATA AS REQUIRED. EMERGENCY POWER DISTRIBUTION PANELS SHALL BE IDENTIFIED WITH WHITE ON RED MICARTA NAMEPLATES. LETTERS SHALL BE NO LESS THAN 3/8" HIGH.

B. CIRCUIT BREAKERS SHALL BE IDENTIFIED BY NUMBER AND NAME WITH 3/4" X 1-1/2" LAMINATED MICARTA NAMEPLATES WITH 3/16" HIGH LETTERS MOUNTED ADJACENT TO CIRCUIT BREAKER OR SWITCH.

C. MISCELLANEOUS EQUIPMENT (ELECTRICAL), SUCH AS INDIVIDUALLY MOUNTED SAFETY SWITCHES, STARTERS, STEP-DOWN TRANSFORMERS, PULL BOXES, JUNCTION BOXES, ETC., SHALL BE IDENTIFIED AS REQUIRED BY THE USE OF SUCH EQUIPMENT WITH P-TOUCH LABELS AS REQUIRED.

1.2 ARC FLASH LABELING

A. ALL PANELS, CIRCUIT BREAKER ENCLOSURES, SWITCHBOARDS AND MOTOR CONTROL CENTERS SHALL BE LABELED WITH ARC FLASH WARNING STICKERS.

B THESE LABELS SHALL CONTAIN THE FOLLOWING:

1. ARC FLASH BOUNDARY
2. MINIMUM ARC RATING
3. PERSONAL PROTECTIVE EQUIPMENT LEVEL, PPE
4. SHOCK HAZARD LEVEL
5. FAULT CURRENT

1.3 MOUNTING

A. PROVIDE MATERIALS AND ACCESSORIES NECESSARY TO PROPERLY MOUNT AND SECURE EQUIPMENT FURNISHED AND/OR INSTALLED UNDER THE ELECTRICAL WORK. THIS INCLUDES BUT IS NOT LIMITED TO SUCH ITEMS AS CONDUIT, OUTLETS, JUNCTION BOXES, SWITCHES, RELAYS, DISCONNECT SWITCHES, LIGHTING FIXTURES, CABINETS, AND TRANSFORMERS.

PART 2 _ PRODUCTS AND EXECUTION

2.1 CONDUIT

A. RIGID STEEL CONDUIT:

1. RIGID STEEL CONDUIT SHALL HAVE ZINC COATED EXTERIOR, ZINC OR ENAMEL INTERIOR, STANDARD WEIGHT, ZINC COATED COUPLINGS, LOCKNUTS AND BUSHINGS AND SHALL BEAR THE U.L. LABEL. RIGID CONDUIT SHALL NOT BE INSTALLED UNDERGROUND.
2. USE RIGID CONDUIT ONLY FOR EXPOSED EXTERIOR CONDUIT RUNS, WHEREVER SUBJECT TO PHYSICAL DAMAGE, OR WHERE SPECIFICALLY CALLED FOR ON THE DRAWINGS OR REQUIRED BY A SERVING UTILITY.
3. INTERMEDIATE METALLIC CONDUIT (I.M.C.) MAY BE USED IN LIEU OF RIGID STEEL CONDUIT.
4. USE LIQUID_TIGHT FLEXIBLE CONDUIT IN LIEU OF FLEXIBLE CONDUIT FOR WET, DAMP, OR OUTDOOR AREAS OR WHERE WEATHERPROOF FLEXIBLE CONDUIT IS CALLED FOR ON THE DRAWINGS OR BY CODE.

B. PLASTIC CONDUIT:

1. PLASTIC CONDUIT SHALL BE RIGID POLYVINYL CHLORIDE (PVC) UNDERWRITER'S APPROVAL, SCHEDULE 40. CONNECTIONS AND FITTINGS SHALL BE "OUTSIDE" TYPE ASSEMBLED IN ACCORDANCE WITH THE RECOMMENDED METHODS OF THE MANUFACTURER.
2. UNDERGROUND PVC CONDUIT SHALL BE BURIED A MINIMUM OF 24 INCHES BELOW GRADE. WHERE MORE THAN TWO CONDUITS ARE INSTALLED ADJACENTLY UNDERGROUND, USE FACTORY MADE CONDUIT SPACERS.
3. PVC CONDUIT SHALL BE USED FOR UNDERGROUND CONDUIT RUNS IN LIEU OF WRAPPED RIGID CONDUIT EXCEPT AS NOTED OTHERWISE ON THE DRAWINGS OR REQUIRED BY THE SERVING UTILITY.
4. PROVIDE A CODE SIZE GROUND CONDUCTOR IN EACH CONDUIT.
5. ONLY BRAIDED POLYETHYLENE OR SIMILAR PULL ROPE SHALL BE USED.

C. INSTALLATION OF CONDUIT:

1. UNDERGROUND CONDUIT.

a. KEEP INTERIOR OF CONDUIT CLEAN AND CLEAR. CLEAN UNDERGROUND CONDUITS BY PULLING A MANDREL THROUGH CONDUIT RUN FOLLOWED WITH A SWAB BEFORE PULLING WIRE.

b. REROUTE CONDUIT FROM LOCATIONS SHOWN ON THE DRAWINGS WHERE IT IS NECESSARY TO CLEAR OBSTRUCTIONS.

c. PROVIDE JUNCTION OR PULL BOXES WHERE REQUIRED FOR PULLING CONDUCTORS DUE TO EXCESSIVE NUMBER OF BENDS OR LENGTH OF CONDUIT RUNS.

d. BURY UNDERGROUND CONDUIT, EXCEPT THOSE UNDER BUILDINGS, A MINIMUM OF 24 INCHES BELOW FINISHED GRADE. CONDUITS UNDER ROADWAYS SHALL BE A MINIMUM OF 36 INCHES BELOW FINISHED GRADE. CONDUIT RUNS 3/4 INCH AND SMALLER IN SLABS SHALL BE LOCATED ABOVE VAPOR BARRIERS. BURY CONDUIT RUNS LARGER THAN 3/4 INCH TO A MINIMUM DEPTH OF 12 INCHES BELOW FLOOR SLABS.

e. STANDARD FACTORY ELLS SHALL NOT BE USED IN UNDERGROUND SERVICE CONDUITS OR OTHER LONG UNDERGROUND RUNS. FIELD BENDS SHALL NOT BE FLATTENED OR KINKED AND SHALL NOT MATERIALLY REDUCE THE INTERNAL DIAMETER OF THE CONDUIT. BENDS IN LONG UNDERGROUND RUNS SHALL BE MADE IN LONG SWEEPING BENDS. DO NOT BEND AT COUPLINGS. APPROVED CONDUIT BENDING METHODS SHALL BE USED.

f. ALL CONDUIT RUNS SHALL HAVE A CODE SIZE INSULATED GROUNDING CONDUCTOR.

g. PROPERLY SEPARATE TWO OR MORE CONDUITS INSTALLED UNDERGROUND IN A COMMON CONCRETE ENVELOPE WITH APPROVED FACTORY MADE CONDUIT SPACERS.

h. LOCATE CONDUIT STUB_OUTS DIMENSIONALLY FROM BUILDING OR CURB LINES ON RECORD DRAWINGS.

i. PULL WIRES SHALL BE INSTALLED IN EMPTY CONDUITS INCLUDING TELEPHONE CONDUITS AND STUB_OUTS, NO. 12 AWG, TYPE "THWN" INSULATED COPPER WIRE OR 1/8-INCH POLYETHYLENE ROPE SHALL BE USED.

2. EXPOSED/CONCEALED CONDUIT:

a. PROVIDE SECURE MOUNTING FACILITIES FOR CONDUITS. WIRE OR PLUMBERS TAPE SHALL NOT BE USED FOR HANGING CONDUIT. STRAP SHALL BE FACTORY MADE OF THE ONE HOLE MALLEABLE IRON OR TWO HOLE GALVANIZED CLAMP TYPE.

b. PROVIDE EXPANSION COUPLINGS WHEREVER CONDUITS CROSS EXPANSION JOINTS.

c. RUN CONDUIT AT RIGHT ANGLES OR PARALLEL TO STRUCTURAL MEMBERS, WALLS, FLOORS AND CEILINGS. WHERE SEVERAL CONDUITS ARE RUN TOGETHER OR SUSPENDED, THEY SHALL BE HUNG ON UNISTRUT TRAPEZES WITH MINIMUM 3/8-INCH ROD HANGERS.

d. CUT ENDS OF CONDUIT SQUARE AND REAM TO REMOVE BURRS OR SHARP EDGES. TERMINATE CONDUITS PROPERLY WITH BUSHINGS, LOCKNUTS, ETC. TERMINATE ONE (1) INCH AND LARGER CONDUITS WITH INSULATED BUSHINGS.

e. RENDER CONDUITS PROJECTING THROUGH THE ROOFING WATERTIGHT BY PROPER FLASHINGS. SECURELY FASTEN A SHEET METAL CAP AND TIGHTEN BANK OR STORM COLLAR TO THE CONDUITS. EXTEND FLASHING A MINIMUM OF SIX (6) INCHES IN ALL DIRECTIONS. COORDINATE AND INSTALL ROOF FLASHING FOR CONDUITS TO THE SATISFACTION OF THE PROJECT MANAGER.

f. ALL CONDUIT RUNS SHALL HAVE A CODE SIZE INSULATED GROUNDING CONDUCTOR.

g. PULL WIRES SHALL BE INSTALLED IN EMPTY CONDUITS INCLUDING TELEPHONE CONDUITS AND STUB_OUTS, NO. 12 AWG, TYPE "THWN" INSULATED COPPER WIRE OR 1/8-INCH POLYETHYLENE ROPE SHALL BE USED.

h. FLEXIBLE CONDUIT CONNECTIONS SHALL COMPLY WITH NEC SECTION 350-22.

2.2 WIRE AND CABLE

A. 600 VOLT CONDUCTORS:

1. CONDUCTORS SHALL BE COPPER AND DELIVERED TO THE SITE IN THEIR ORIGINAL, UNBROKEN PACKAGES PLAINLY MARKED OR TAGGED WITH U.L. LABEL, SIZE, KIND, INSULATION, NAME OF MANUFACTURER AND TRADE NAME OF THE WIRE.
2. TYPE "THWN", 600 VOLT INSULATION FOR DAMP OR WET LOCATIONS OR ON BOILERS AND FURNACES AND THEIR CONTROLS.
3. TYPE "THHN" 600 VOLT INSULATION SHALL BE USED IN OTHER LOCATIONS UNLESS NOTED.
4. MINIMUM SIZE CONDUCTOR SHALL BE #12.
5. CONDUCTORS SHALL BE STRANDED.
6. GROUND CONDUCTORS SHALL BE BARE COPPER OR HAVE GREEN INSULATION.

B. INSTALLATION:

1. CONDUCTORS SHALL BE CONTINUOUS BETWEEN OUTLETS OR JUNCTION BOXES AND NO SPLICES SHALL BE MADE EXCEPT IN OUTLET BOXES, PULL BOXES, PANELBOARD GUTTERS OR HANDHOLES.
2. JOINTS, SPLICES AND TAPS NO. L0 OR SMALLER (INCLUDING FIXTURE PIGTAILS) SHALL BE CONNECTED WITH "FLOATING SPRING" TYPE CONNECTORS. NO. 8 AND LARGER SHALL BE CONNECTED WITH SOLDERLESS CONNECTORS OF 100% ELECTROLYTIC COPPER. SPLIT_BOLT CONNECTORS ARE NOT ACCEPTABLE.
3. TIGHTEN PRESSURE TYPE LUGS ON PANELS AND EQUIPMENT, AND THEN RETIGHTEN 24 HOURS OR MORE LATER AFTER ENERGIZING. PROVIDE WRITTEN REPORT OF TORQUE VALUES ON LUGS.
4. OIL OR GREASE SHALL NOT BE USED WHEN PULLING CONDUCTORS. USE U.L. APPROVED CABLE LUBRICATION ONLY.
5. LACE OR TRAIN CONDUCTORS NEATLY IN PANELS, CABINETS AND EQUIPMENT. USE PLASTIC WIRE TIES TO ROUTE CONDUCTORS AT EDGE OF ENCLOSURE AWAY FROM OVERCURRENT DEVICES.
6. BRANCH CIRCUITS SHALL BE COLOR CODED IN COMPLIANCE WITH SECTION 210_5 OF THE CALIFORNIA ELECTRICAL CODE. COLORED TAPE IS NOT ACCEPTABLE.
7. ALL WIRING, BOTH LINE AND LOW VOLTAGE, SHALL BE INSTALLED IN CONDUIT UNLESS OTHERWISE NOTED.

END OF SECTION 26 00 00

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DSA SUBMITTAL

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DSA File No.: 56-H7

No.	Description	Date

Sheet Name

ELECTRICAL SPECIFICATIONS

RNT Project No.	1023.00
Date	9/20/2024
Drawn by	CY
Checked by	TC

Sheet Number

E-400

AURORA

RELOCATABLE CLASSROOM BUILDINGS

24 x 40

~~36 x 40~~

~~48 x 40~~

NOTE:
REFER TO ARCHITECT'S PLAN
SHEET A-2.0 FOR WILDLAND
URBAN INTERFACE (WUI)
REQUIREMENTS COORDINATION
(I.E. SKIRTING AND VENTING)

BLDG. DATA (50 PSF, 20 LBS PARTITIONS, OPTION)

OCCUPANCY	E (LOCKER) B (CLASSROOM)
TYPE OF CONSTRUCTION	V - NON RATED
WIND LOAD	110 m.p.h. EXPOSURE 'C' AS SHOWN
WIND LOAD	~~90 m.p.h.~~ EXPOSURE 'C' AS NOTED
FLOOR LIVE LOAD	50 lbs/sq. ft. + 20 LBS. PARTITIONS
ROOF LIVE LOAD	20 lbs/sq. ft.
SYSTEM:	RIGID FRAME
MODULES:	TWO 12'x 40'
MODULES:	THREE 12'x 40'
MODULES:	FOUR 12'x 40'
FOUNDATION:	WOOD
FOUNDATION:	CONCRETE
FOUNDATION:	FLUSH W/ GRADE CONCRETE
BUILDING DATA	960 sq. ft. (24'x40)
BUILDING DATA	1440 sq. ft. (36'x40)
BUILDING DATA	1920 sq. ft. (48'x40)

GENERAL NOTES

ALL CONSTRUCTION SHALL COMPLY WITH THE 1997 EDITION OF THE CALIFORNIA BUILDING CODE, CCR TITLE 24, PART 2 (CBC) AND CCR TITLE 24, PART 1, CHAPTER 4, GROUP I). LATEST REVISIONS (MODIFICATIONS TO THE 1997 UNIFORM BUILDING CODE (UBC), UBC STANDARDS AND UBC RECOGNIZED STANDARDS. - NOTE: ALL UBC RECOGNIZED STANDARDS AS APPLICABLE ARE REQUIRED FOR THIS PROJECT). ALSO REFER TO THE DIVISION OF THE STATE ARCHITECT - STRUCTURAL SAFETY SECTION "INTERPRETATIONS OF REGULATIONS", SEE ESPECIALLY IR2-4. THESE STRUCTURES ARE DESIGNED PER THE MODIFIED REQUIREMENTS FOR TEMPORARY FOUNDATIONS (UBC).

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING DURING CONSTRUCTION AND SHALL PROVIDE ADEQUATE SHORING AND BRACING DURING CONSTRUCTION. CONTRACTOR SHALL COMPLY WITH APPLICABLE SAFETY REGULATIONS.

3. THE CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.

4. TYPICAL DETAILS SHALL APPLY UNLESS SHOWN OTHERWISE ON THE DRAWINGS.

5. WHERE THESE GENERAL NOTES AND TYPICAL DETAILS ARE IN CONFLICT WITH THE SPECIFICATIONS, THESE GENERAL NOTES AND TYPICAL DETAILS SHALL GOVERN.

6. ALL ELEVATIONS ARE REFERENCED FROM TOP OF FINISH FIRST FLOOR ELEVATION =0'-0"

7. PROVIDE INSPECTION, TEST AND REPORTS IN ACCORDANCE WITH THE CCR TITLE 24, PART 2 AND CCR TITLE 24, PART 1, CHAPTER 4, GROUP I.

8. IN ADDITION TO CONTINUOUS PROJECT INSPECTION, THE FOLLOWING SPECIAL INSPECTIONS SHALL BE REQUIRED, AS A MINIMUM:
   A. INSPECTION OF ALL WELDING FOR STRUCTURAL STEEL, PER TITLE 24, PART 2, SECTION 2213.5.
   B. INSPECTION OF CONCRETE AND CONCRETE REINFORCEMENT PLACEMENT, PER TITLE 24, PART 1, CHAPTER 4, GROUP I AND TITLE 24, PART 2, SECTION 1701A.

9. ALL REQUIRED INSPECTIONS AND TEST ARE THE RESPONSIBILITY OF THE OWNER. ALL INSPECTORS SHALL PROVIDE REPORTS AS REQUIRED BY THE TITLE 24, PART 1, CHAPTER 4, GROUP I.

10. DIMENSIONS AND ELEVATIONS SHOWN ARE APPROXIMATE AND ARE PROVIDED AS AN AID IN INTERPRETING THE DRAWINGS ONLY. DRAWING SCALES GIVEN ARE APPROXIMATE- DO NOT SCALE PLANS OR DETAILS.

11. WHEN MODULE IS RELOCATED- DO NOT RE-INSTALL NAILS OR SCREWS IN EXISTING HOLES.

12. INSULATION-FIBERGLASS BATTS, R-19 IN ROOF, R-11 IN WALLS AND R-11 IN FLOOR, FLAME SPREAD- 0-25, SMOKE DEVELOPED, FUEL CONTRIBUTED- 0-450, (SEC. 707 1997 CBC)

13. ROOFING- THE ROOFING SHALL COMPLY ACCORDING TO TABLE 15-A, 1997 CBC.

14. WHEN BUILDING REQUIRES PLUMBING 18" MIN. MEASURED FROM BOTTOM OF STEEL TO TOP OF GRADE UNDER BUILDING.

GENERAL REQUIREMENTS

The ARCHITECT / ENGINEER in general responsible charge shall sign and seal all drawings and specifications.

Changes to the approved drawings and specifications shall be made by an addenda or a change order approved by the Department of the State Architect as required by Section 4-338, Part 1, Title 24, CCR.

All work shall conform to Title 24, California Code of Requirements (CCR)

A project inspector employed by the district (owner) and approved by the Department of the State Architect, shall provide continuous inspection of the work. The duties of the inspector are defined in Section 4-342, Part 1, Title 24, CCR.

An inspector who is specially qualified in mechanical and electrical work will be required for this project.

Grading plans, drainage improvements, road and access requirements and environmental health considerations shall comply with all local ordinances.

SYMBOLS LIST

KEYNOTES

DOOR No.

WINDOW TYPE

DETAIL # / SHEET #

ELEVATION # / SHEET #

FIRE ALARM NOTES

FIRE ALARM SYSTEM REQUIREMENTS

Note: Location of building to comply with chapter 5 - provision for site. Adjacent buildings property lines, exterior walls and openings. Allowable square footage not to exceed CBC 505.3 provision of access to public street by 20 feet unobstructed right of way.

The submittal shall be per D.S.A. policy #45-03

In fire alarm submittal, an audible and manual component shall be within maximum distance on site, placement of building may require these components

Fire alarm system shall comply with 1997 UBC w/ 1998 amendments sec. 305 & NFPA 72 1999 edition and part 3, Article 760 California Code of Regulations.

Specify type of system which is being installed in accordance with the above provisions.

Provide floor plan(s) showing locations of all components and a riser diagram Plans shall provided by architect or responsible person in charge. Not by portable building manufacturer.

Provide State Fire Marshall listing numbers and manufacturers numbers for every fire alarm system component.

Provide battery calculations.

Emergency warning devices are required for the hearing impaired per sec. 3504.1 (a)

Connect fire alarm into existing fire alarm system. All wiring shall be part of site provision.

Audible shall comply with California and Educational Code for audible signal per T-24 part 9 California Fire Code.

Portable building manufacturer shall provide junction box and empty conduit with pull string for fire alarm. School district will provide their own fire alarm system under their DSA project.

~~NFPA 13- Automatic Sprinkler Systems, 1996 Edition~~

~~NFPA 14- Standpipes Systems, 1998 Edition~~

~~NFPA 11A- Mot Chemical Systems, 1999 Edition~~

~~NFPA 24- Private Fire Mains, 1992 Edition~~

~~(California Amended) NFPA 72- National Fire Alarm Codes, 1999 Edition~~

~~NFPA 253- Critical Radiant Flux of Floor Covering Systems, 1994 Edition~~

~~NFPA 2001- Clean Agent Fire Extinguishing Systems, 1944 Edition~~

APPLICABLE CODES

LIST OF 2016 CALIFORNIA CODE OF REGULATIONS

2016 BUILDING ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R.

2016 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 & 2, PART 2, TITLE 24 C.C.R.
(2015 INTERNATIONAL BUILDING CODE VOLUMES 1-2 AND 2016 CALIFORNIA AMENDMENTS)

2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2014 NATIONAL ELECTRICAL CODE AND 2016 CALIFORNIA AMENDMENTS)

2016 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
(2015 IAPMO UNIFORM MECHANICAL CODE AND 2016 CALIFORNIA AMENDMENTS)

2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2015 IAPMO UNIFORM PLUMBING CODE AND 2016 CALIFORNIA AMENDMENTS)

2016 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.

2016 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
(2015 INTERNATIONAL FIRE CODE AND 2016 CALIFORNIA AMENDMENTS)

2016 CALIFORNIA GREEN CODE, PART 11, TITLE 24 C.C.R.

2016 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.

TITLE 19 C.C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

2013 ASME A17.1 SAFETY CODE FOR ELEVATORS AND ESCLATORS

PARTIAL LIST OF APPLICABLE STANDARDS

NFPA13	AUTOMATIC FIRE SPRINKLER SYSTEM	2016 EDITION
NFPA 14	STANDPIPE AND HOSE SYSTEM	2016 EDITION
NFPA 17	DRY CHEMICAL EXTINGUISHER SYSTEM	2013 EDITION
NFPA 17A	WET CHEMICAL EXTINGUISHER SYSTEM	2013 EDITION
NFPA 20	STATIONARY PUMPS FOR FIRE PROTECTION	2013 EDITION
NFPA 22	WATER TANKS FOR PRIVATE FIRE PROTECTION	2013 EDITION
NFPA 24	PRIVATE FIRE MAINS & THEIR APPURTENANCES	2016 EDITION
NFPA 25	STANDARD FOR INSPECTION, TESTING AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS	2013 EDITION
NFPA 72	NATIONAL FIRE ALARM & SIGNALING CODE	2016 EDITION
NFPA 80	FIRE DOORS AND OTHER OPENING PROTECTIVES	2016 EDITION
NFPA 92	STANDARD FOR SMOKE CONTROL SYSTEMS	2015 EDITION
NFPA 253	CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS	2015EDITION
NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2015 EDITION
ICC 300	ICC STANDARDS ON BLEACHERS, FOLDING AND TELESCOPING SEATING AND GRAND STANDS	2012 EDITION
UL 300	FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF RESTAURANT COOKING AREAS	2005 EDITION
UL 464	AUDIBLE SIGNAL APPLIANCES	2003 EDITION
UL 521	HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	1999 EDITION

REFERENCE CODE SECTION FOR NFPA STANDARDS- 2016 CBC (SFM) CHAPTER 35. SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

SHEET INDEX

0 COVER SHEET, SHEET INDEX & BUILDING DATA

A1.0 FLOOR PLAN

A2.0 EXTERIOR ELEVATIONS – MONO ROOF

A3.0 INTERIOR ELEVATIONS

A4.1 MONOSLOPE ROOF PLANS

A5.0 REFLECTED CEILING PLAN AND DETAILS

FOUNDATION REFER TO PC #04-116981 * FOR FUTURE SUBMITTAL

S1.3 BUILDING SECTIONS AND WALL FRAMING

S3.0 TYPICAL DETAILS

S4.1 FLOOR FRAMING, ROOF FRAMING & STRUCTURAL ELEVATIONS MONO SLOPE

S5.1 STEEL TRUSS SECTION AND DETAILS

S6.0 STRUCTURAL DETAILS – BUILT UP ROOFING

E1.0 ELECTRICAL POWER & LIGHTING PLAN, PANEL SCHEDULE

E1.1 FIRE ALARM DIAGRAM

9 SPECIFICATIONS

9.1 EXTERIOR, INTERIOR FINISH SCHEDULES AND DOOR HARDWARE

RAMP SYSTEM REFER TO PC#04-116982 * FOR FUTURE SUBMITTAL

M-1 MECHANICAL PLANS

P.1 PLUMBING SCHEDULE

CBC 1006.2

PC

DATE SIGNED JAN 31 2018

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No.3602 STRUCTURAL STATE OF CALIFORNIA

LICENSE EXPIRES 6-30-18

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

D.S.A.

DIV. OF THE STATE ARCHITECT
04 101656
DATE 12/19/2016

FOR EPLAN
ACS: STANDEN
SS: G. HANG

D.S.A.

PORTION 1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-117036
INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: DEC 19 2016

STRUCT. ENGINEER

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No.3602 STRUCTURAL STATE OF CALIFORNIA

LICENSE EXPIRES 6-30-2018

ARCHITECT

CHANGE ORDER

CHECKED BY

AURORA MODULAR INDUSTRIES
18333 Wyeth Ave., Riverside, CA. 92504
Phone (909) 788-2136
Fax (909) 788-4855

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117036
ACS ☑ FLS ☑ SS ☑
DATE FEB 01 2017
ACS: STEVE LYLE
FLS: D. TRUBINT
SS: K. ROBERTS

COVER SHEET
SHEET INDEX
BUILDING DATA

BY DATE

SHEET 0

DSA FILE NO.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

CBC 1998

P.C.

KEYNOTES

1 EXTERIOR DOOR- SEE SHEET 9.1
2 ALUMINUM SLIDER WINDOW- SEE SHEET 9.1
3 WALL MOUNTED ELECTRIC HEAT PUMP, SEE SHEET 9.0 OF MECHANICAL PLANS.
4 WALL CLOCK, SEE SHEET E1.0
5 FINISH FLOORING- SEE SHEET 9.1
6 FIRE EXTINGUISHER- 5 lb DRY CHEMICAL WITH 2A-10B-C UL RATING, F.E. HANDLE @ 48" A.F.F.
7 NOT USED
8 MARKERBOARD - SEE SHEET 9.1
9 ELECTRICAL PANEL 'A'- SEE SHEET E1.0
10 26 GA. GUTTER AND DOWNSPOUT.
11 VINYL WRAPPED CLOSE-OFF BATT.
12 HVAC RETURN.
13 THERMOSTAT, SEE SHEET E1.0
14 ACCESS SIGN (SEE DETAIL 16 SHEET 53.0)

D.S.A.
04 - 101055
DATE: JAN 30 2018

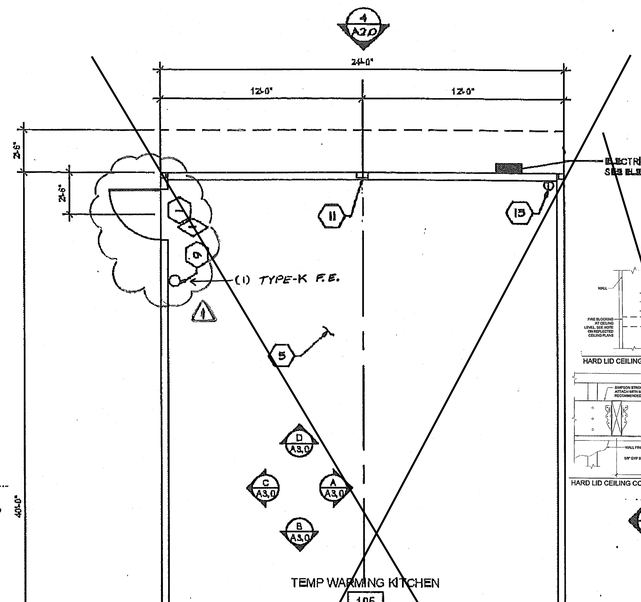
D.S.A.
PORTION 1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-101055
DATE: DEC 19 2018

STRUCT. ENGINEER
REGISTERED PROFESSIONAL ENGINEER
STEVEN T. SIMPSON
No. 3602
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2020

ARCHITECT
DATE SIGNED
JAN 31 2018
REGISTERED PROFESSIONAL ENGINEER
STEVEN T. SIMPSON
No. 3602
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-18

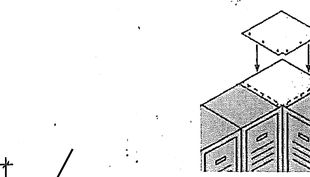
CHANGE ORDER

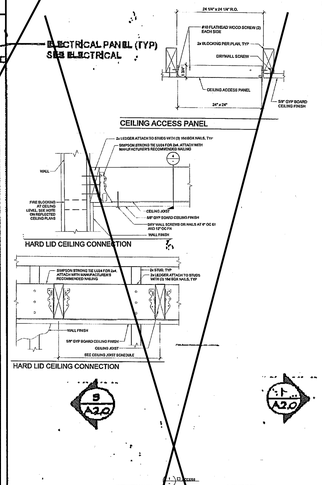
CHECKED BY

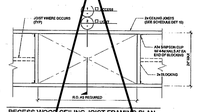


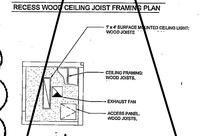
OCCUPANT LOAD FACTOR
*100
960 ÷ 100 = 9.6
TOTAL OCCUPANT LOAD
*10

38973-38974



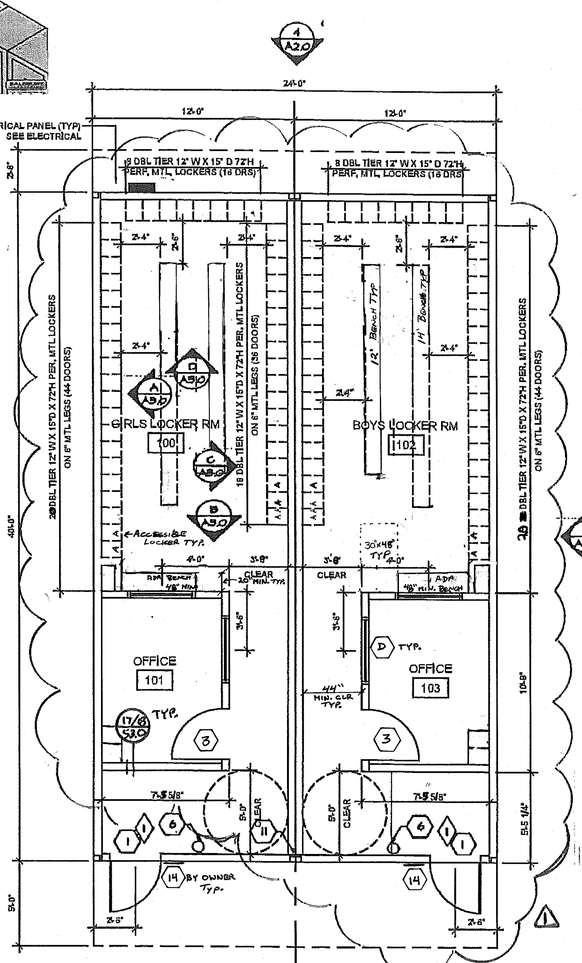






*SEE SHEET P.1

WOOD CEILING JOIST SCHEDULE

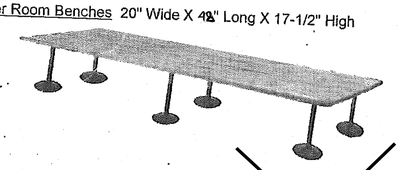


OCCUPANT LOAD FACTOR
*50
480 ÷ 50 = 9.6
TOTAL OCCUPANT LOAD
*10 @ EA LOCKER ROOM
OR
USED AS CLASSROOM
OCCUPANT LOAD FACTOR
*20
12 x 26 ÷ 20 = 15.6

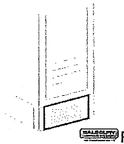
38975-38976

9-1/2" Wide Locker Room Benches (2) 14' Long | (2) 12' X 17-1/2" High

ADA Locker Room Benches 20" Wide X 48" Long X 17-1/2" High



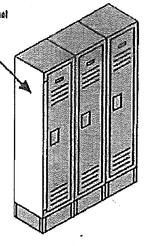
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 - 101055
ACS ☑ FLS ☑ SS ☑
DATE: FEB 01 2018

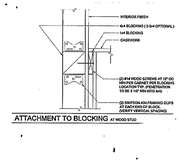


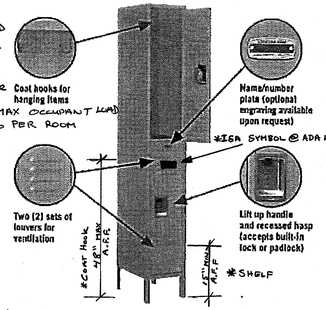
NOTE:
RAMPS NEEDED ACCORDINGLY TO SITE CONDITIONS. STANDARD RAMP DESIGN SHOWN FOR REFERENCE ONLY- SEE RAMP SHEETS FOR ALTERNATE RAMP DESIGN.

NOTE:
* OPERABLE PARTS OF AN ACCESSIBLE LOCKER SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
* THE FORCE REQUIRED TO ACTIVATE ANY OPERABLE PARTS SHALL BE 5 lbs MAX.

TABULATION:
LOCKER COUNT "BOYS" & "GIRLS" EA ROOM
100 TOTAL
5%
5 ADA LOCKERS



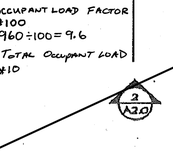


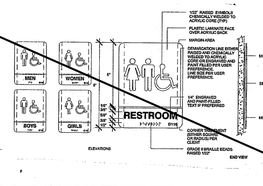


ROOM WALL SIGN
RESTROOM WALL SIGN
RESTROOM DOOR SIGN
MEASURED FROM F. F. TO BOTTOM OF TACTILE LETTERING

1. CHARACTERS ON SIGNS SHALL BE RAISED 1/32 INCH MIN. AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2.
2. RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8 INCH AND A MAXIMUM OF 2 INCHES HIGH.
3. CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH. 11B-703-5.1.
4. TRIANGLE OR CIRCLE SHALL CONTRAST WITH DOOR EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. 11B-703.7.2.8.1 AND 11B-703.2.8.2
5. CHARACTERS ON SIGN SHALL HAVE A WIDTH TO HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH TO HEIGHT RATIO OF BETWEEN 1:5 AND 1:10

CALIFORNIA CONTRACTED BRAILLE SHALL BE USED WHENEVER BRAILLE IS REQUIRED IN OTHER SECTIONS OF THESE STANDARDS. DOTS SHALL BE 1/4 INCH ON CENTERS IN EACH CELL WITH 2/10 INCH SPACE BETWEEN CELLS, MEASURED THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCHES ABOVE THE BACKGROUND





FLOOR PLANS (24x40)

SCALE: 1/4" = 1'-0"

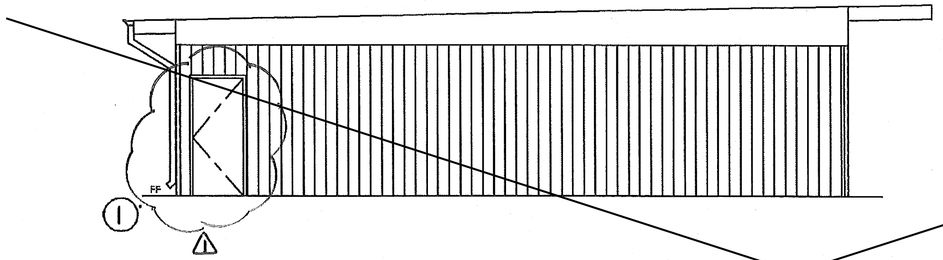
Chris Jones Modular Industries
16633 Krameria Ave., Riverside, CA 92504
Phone (800) 759-7196
Fax (800) 759-0283

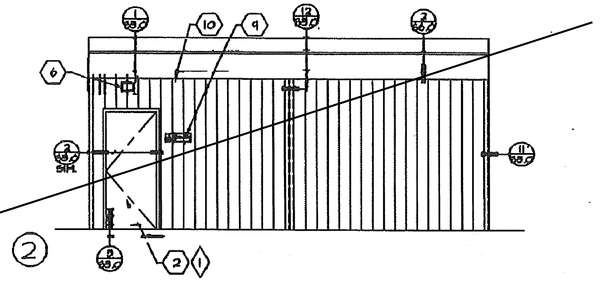
AURORA MODULAR INDUSTRIES

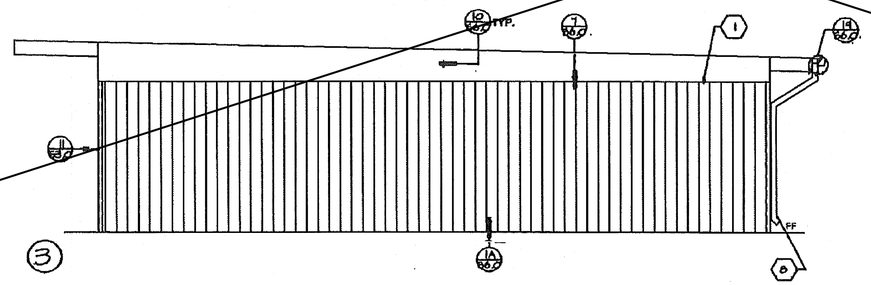
FLOOR PLAN (24x40)

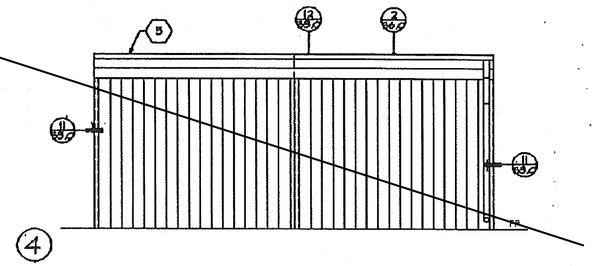
BY DATE

SHEET
A1.0

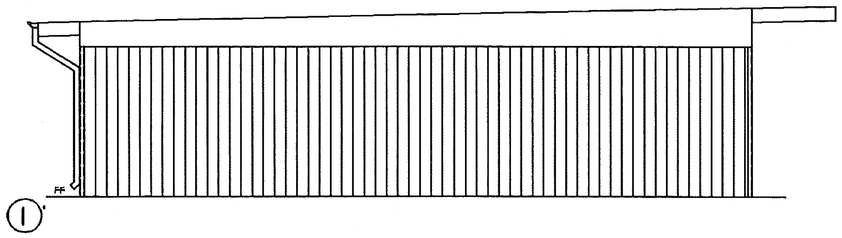


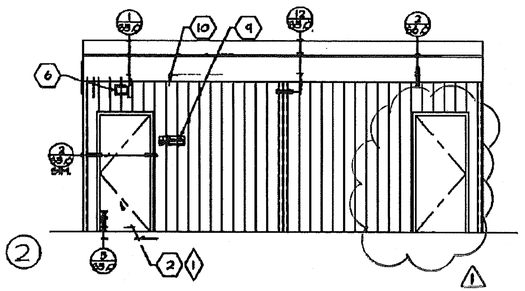


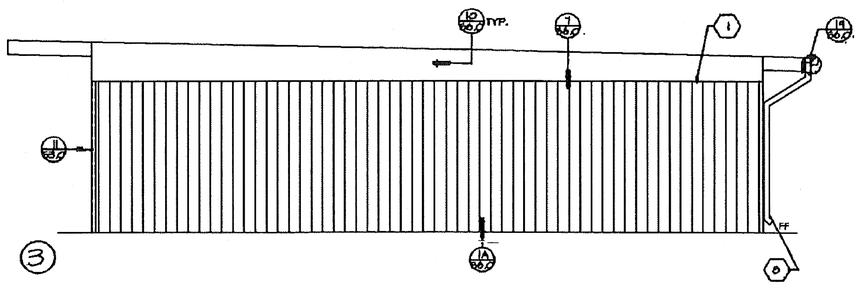


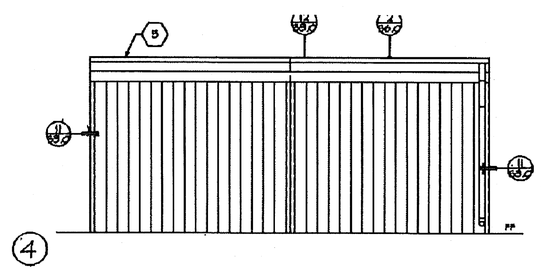


TEMP KITCHEN
EXTERIOR ELEVATIONS (MONO SLOPE) 24x40
SCALE: 1/4" = 1'-0"









LOCKER ROOM
EXTERIOR ELEVATIONS (GABLE) 24x40
SCALE: 1/4" = 1'-0"

KEYNOTES

1 TYPICAL EXTERIOR FINISH- SEE SHEET 9.1
2 EXTERIOR DOOR- SEE SHEET 9.1
3 ALUMINUM SLIDER WINDOW- SEE SHEET 9.1
4 WALL MOUNTED ELECTRIC HEAT PUMP- SEE SHEET 9.0 OF MECHANICAL PLANS
5 ROOFING- SHEET 9.1
6 EXTERIOR LIGHT MOUNTED ABOVE DOOR- SEE SHEET 11.0
7 METAL TAG ON ALL MODULES MECHANICALLY ATTACHED TO EXTERIOR OF REAR FRAME, @ 8'-0" A.F.F. SHOWING DSA APP., #, MANUFACTURERS NAME AND UNIT SERIAL NUMBER.
8 26 ga. DOWNSPOUT.
9 ACCESS SIGN (SEE DETAIL 14 SHEET 93.0) (NOT BY PORTABLE MANUFACTURER)
10 FIRE ALARM HORN OR BELL LOCATED @ 6'-6" ON THE EXTERIOR. CONDUIT TO BE STUBBED INTO ATTIC SPACE ONLY.
11 JUNCTION BOX FOR FIRE ALARM- SEE SHEET 11.0
12 ELECTRICAL POINT OF CONNECTION
13 IF HVAC UNIT IS LOCATED IN ANY PATH OF TRAVEL, PROVIDE PROTECTION FROM OVERHEAD HAZARD IF DIMENSION IS GREATER THAN 27" A.F.S.

DATE SIGNED
JAN 31 2019

REGISTERED PROFESSIONAL ENGINEER
JAMES E. SIMPSON
No. 3602
STRUCTURAL
STATE OF CALIFORNIA

LICENSE EXPIRES 6-30-18

NOTE:
RAMPS NEEDED ACCORDINGLY TO SITE CONDITIONS. STANDARD RAMP DESIGN SHOWN FOR REFERENCE ONLY- SEE RAMP SHEETS FOR ALTERNATE RAMP DESIGN.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117039
ACCESS FLS 01 CS
DATE FEB 01 2019

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

CBC 1998
PC

D.S.A.
04 101055
AC FLS CS
DATE DEC 22 1999

D.S.A.
PORTION 1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
DEC 22 2000

STRUCT. ENGINEER
REGISTERED PROFESSIONAL ENGINEER
JAMES E. SIMPSON
No. 3602
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2000

ARCHITECT

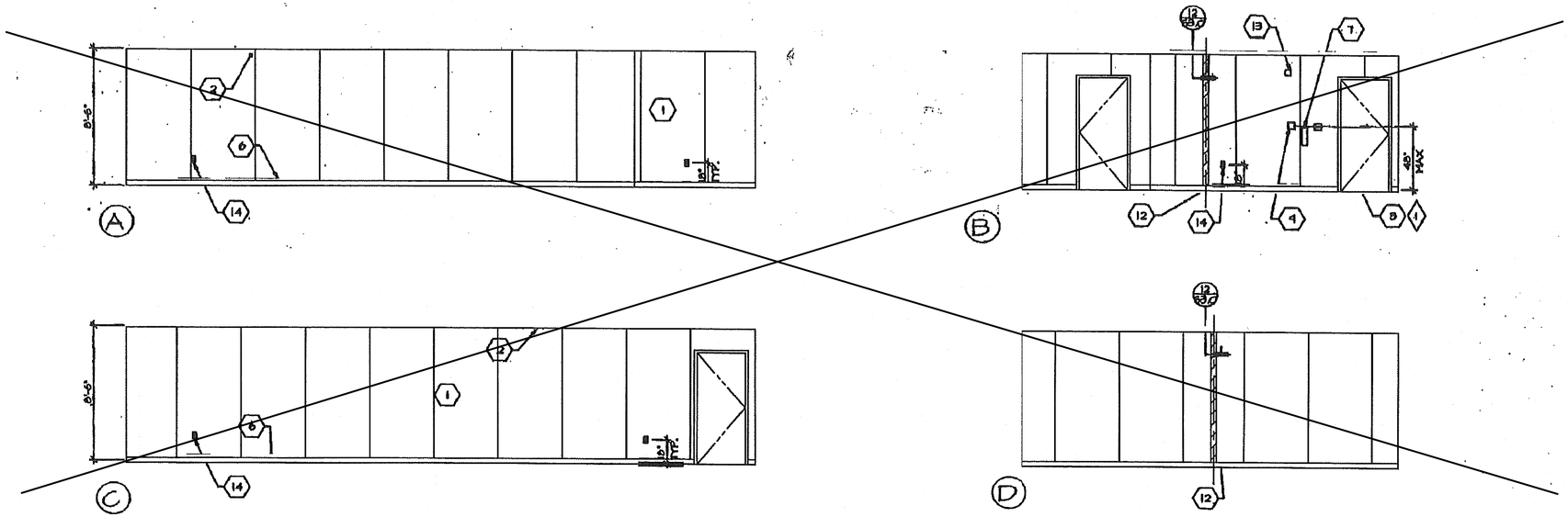
CHANGE ORDER

CHECKED BY

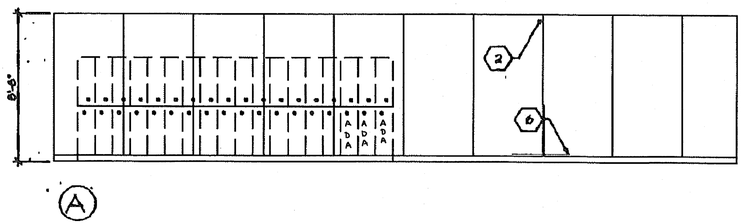
AURORA MODULAR INDUSTRIES
16633 Krisanda Ave., Riverside, CA. 92504
Phone (909) 783-7795
Fax (909) 783-0283

EXTERIOR ELEVATIONS (24x40)

BY DATE
SHEET
A2.0
C.A.D. FILE NO.



TEMP KITCHEN INTERIOR ELEVATIONS (24X40)
1/4" = 1'-0"



LOCKER ELEVATIONS (24X40)
1/4" = 1'-0"

KEYNOTES

1. TYPICAL INTERIOR FINISH- SEE SHEET 9.1
2. TYPICAL CEILING MATERIAL- SEE SHEET 9.1
3. EXTERIOR DOOR- SEE SHEET 9.1
4. ALUMINUM SLIDER WINDOW- SEE SHEET 9.1
5. CLOCK-SEE SHEET E1.0
6. FINISH FLOORING- SEE SHEET 9.1
7. FIRE EXTINGUISHER- 5 lb DRY CHEMICAL WITH 2A-10B-C UL RATING. F.E. HANDLE @ 40" A.F.F.
8. HVAC RETURN
9. FIRE ALARM- PULL STATION LOCATED @ 4'-0" ON THE INTERIOR, HORN OR BELL LOCATED @ 8'-6" ON THE EXT. CONDUIT TO BE STUBBED INTO ATTIC SPACE ONLY.
10. MARKERBOARD - SEE SHEET 9.1
11. ELECTRICAL PANEL 'A'- SEE SHEET E1.0
12. VINYL WRAPPED CLOSE-OFF BATT.
13. J-BOX FOR VISUAL WARNING DEVICE @ +80" A.F.F.
14. ELECTRICAL OUTLET, SEE SHT E1.0 (VERIFY EXACT LOCATION W/ SHT E1.0)

DATE SIGNED JAN 31 2018
REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER T. SUMMERS No. 38021 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-18

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 - 117059
ACS LFLS SS
DATE FEB 01 2018

CBC 1998
PC

D.S.A.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 - 101655
No. FLS DATE JUN 29 2004

D.S.A.
PORTION 1
Identification stamp
DIV. OF THE STATE ARCHITECT
DEC 4 9 2017

STRUCT. ENGINEER
REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER T. SUMMERS No. 38021 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-18

ARCHITECT

CHANGE ORDER

CHECKED BY

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

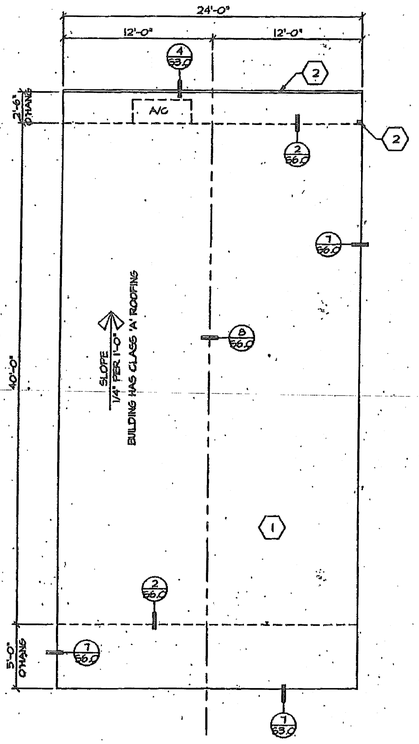
16333 Kinsmark Ave., Riverside, CA. 92504
Phone (909) 783-7195
Fax (909) 783-2033
AURORA MODULAR INDUSTRIES

INTERIOR ELEVATIONS (24x40)

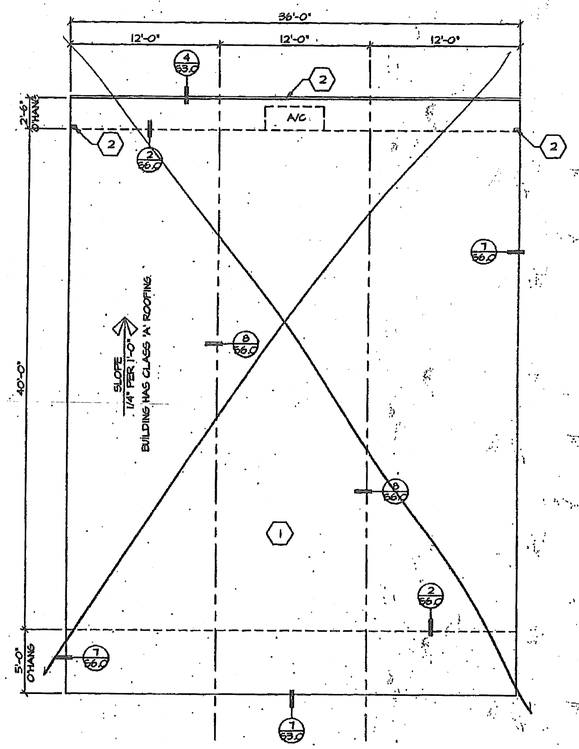
BY DATE SHEET A3.0

C.A.D. FILE NO.

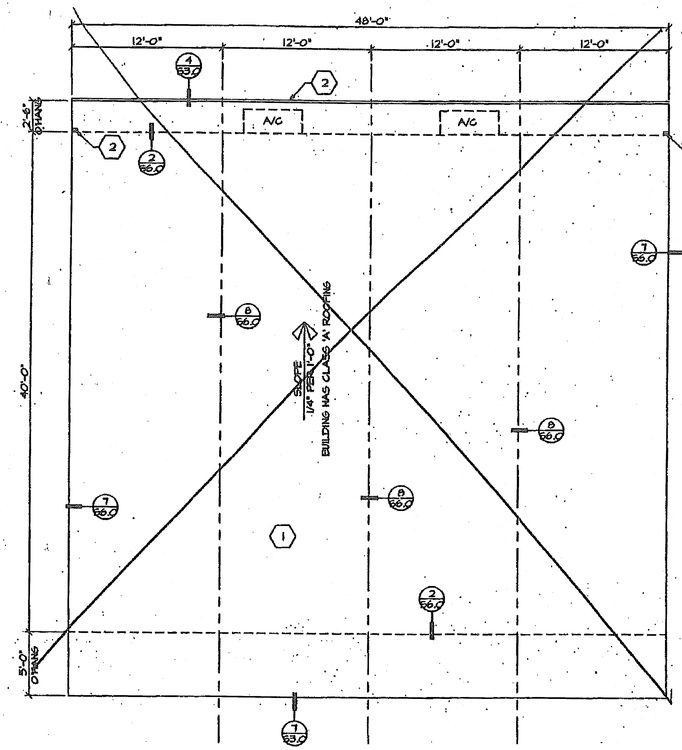
©1998 Aurora Modular Industries



24x40



~~36x40~~



~~48x40~~

ROOF PLAN (MONO SLOPE)

SCALE: 3/16" = 1'-0"

KEYNOTES

1 ROOFING- SEE SHEET 9.1

2 26 GA. GUTTER AND DOWNSPOUT.

CBC 1998

PC

DATE SIGNED
JAN 31 2018

REGISTERED PROFESSIONAL ENGINEER JAMES T. SURGEON No. 36502 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-18

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117039
ACS FLS SS
DATE FEB 01 2018

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

D.S.A.
PORTION 1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

STRUCT. ENGINEER
REGISTERED PROFESSIONAL ENGINEER JAMES T. SURGEON No. 36502 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-20

ARCHITECT

CHANGE ORDER

CHECKED BY

AURORA MODULAR INDUSTRIES
16633 Krameria Ave., Riverside, CA. 92504
Phone (909) 783-7196
Fax (909) 788-0253

ROOF PLAN (MONO SLOPE)

BY DATE

SHEET
A4.1

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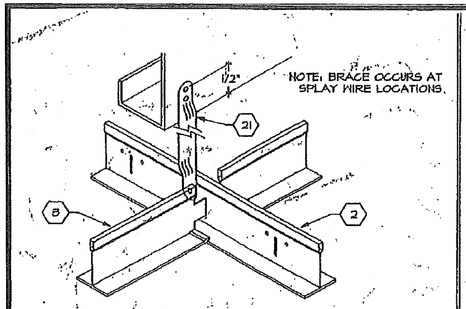
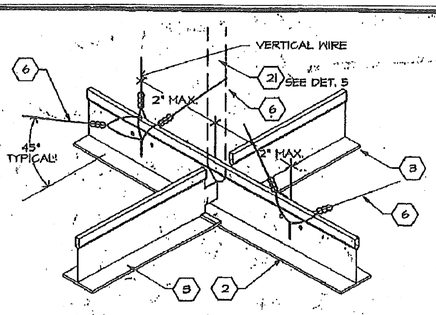
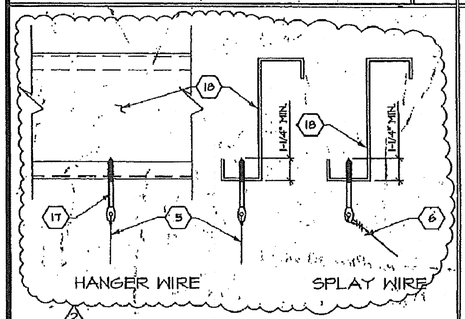
P.A.B. FILE NO.



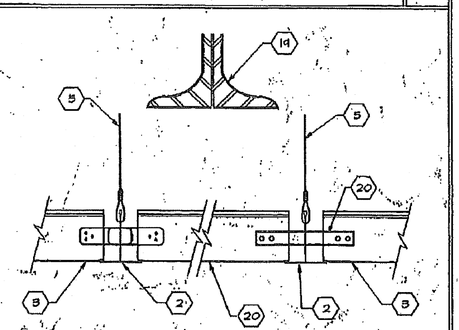
VERTICAL BRACE 5



SPLAY WIRE 1

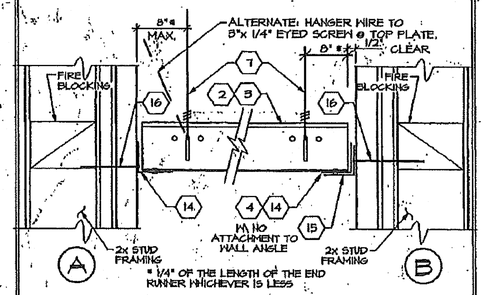


ALT. WIRE ATTACHMENT 6



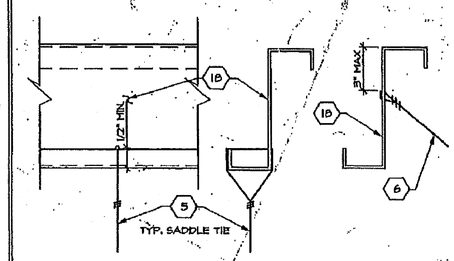
GRID AT MODLINE 2

7



GRID AT WALL 3

8



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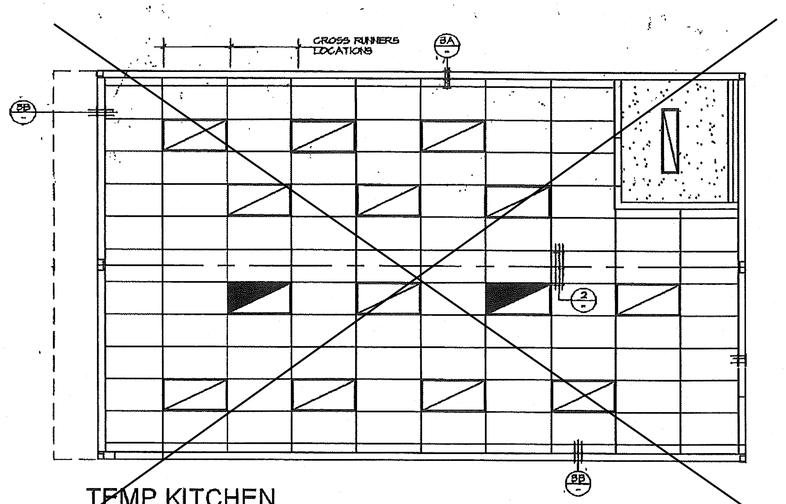
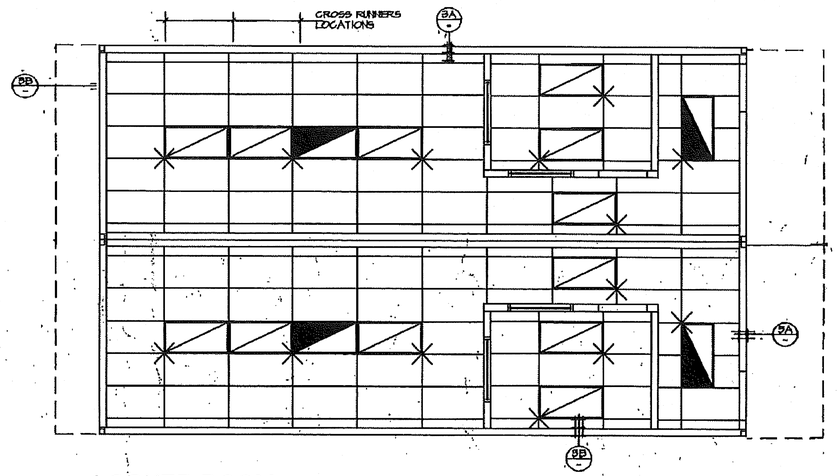


TEMP KITCHEN
REFLECTED CEILING PLAN (24x40)
SCALE 1/4" = 1'-0"



LOCKER ROOM
REFLECTED CEILING PLAN (24x40)
SCALE 1/4" = 1'-0"

KEYNOTE CBC 1998

1 MAIN RUNNERS @ 4'-0" O.C. MAX. WITH HANGER WIRES SPACED @ 4'-0" O.C. MAX.
2 MAIN RUNNER: ARMSTRONG - 7301 HEAVY DUTY
3 CROSS RUNNER: ARMSTRONG - XL 7328 HEAVY DUTY
4 WALL RUNNER: ARMSTRONG 7800 D
5 TYPICAL HANGER WIRE TO BE 12 ga. STEEL WIRE ATTACHED TO STRUCTURE ABOVE AND TO GRID WITH (3) TIGHT TURNS WITHIN 1 1/2" - SEE DETAIL 4
6 TYPICAL SPLAY WIRE TO BE 12 ga. STEEL WIRE ATTACHED TO STRUCTURE ABOVE AND, TO GRID WITH (4) TIGHT TURNS WITHIN 1 1/2" - SEE DETAIL 4
7 AT END OF ROWS OF RUNNERS, A HANGER WIRE SHALL BE ATTACHED WITHIN 6" (OF ANY WALL OR SOFFIT) OR 1/4 LENGTH OF END TEE WHICHEVER IS LEAST
8 VERTICAL WIRES MORE THAN 1:6 OUT OF PLUMB SHALL HAVE COUNTERBALANCE WIRES INSTALLED.
9 RUNNERS MAY BE ATTACHED TO WALL HOLDING AT (2) ADJOINING WALLS; AT OTHER WALLS NO ATTACHMENT: WHERE THERE IS NO ATTACHMENT THERE SHALL BE A 1/2" CLEARANCE BETWEEN END RUNNER AND FACE OF WALL.
10 CEILING AREAS EVERY 144 SQ. FT. OR MORE SHALL HAVE SPLAY WIRES INSTALLED AS INDICATED ON CEILING PLAN. SPLAY WIRES SHALL BE TAUT BUT SHALL NOT DISTORT GRID.
11 ELECTRICIAN SHALL PROVIDE (2) SLACK HANGER WIRES AT OPPOSITE CORNERS OF ALL LIGHT FIXTURES. WIRES SHALL BE ATTACHED TO STRUCTURE ABOVE PER NOTE 5. LIGHT FIXTURES SHALL BE ATTACHED TO CEILING GRID WITH (2) #8 SHEET METAL SCREWS.
12 DUCTWORK, IF REQUIRED, SHALL BE RIGIDLY ATTACHED TO STRUCTURE ABOVE AT INTERVALS NOT TO EXCEED 4' AND SHALL NOT BE CLOSER THAN 6" TO ANY WIRE.
13 CEILING REGISTERS, WHEN INDICATED ON PLANS, SHALL BE ATTACHED TO STRUCTURE ABOVE PER NOTE 5.
14 CONT. WALL 7/8" ANGLE WITH POP RIVET TO EACH MEMBER.
15 7/8" CONTINUOUS WALL ANGLE.
16 6d NAIL @ 16" O.C. INTO BLOCK OR STUD.
17 JIF-E SCREW MODEL J5-1 (DSA-PA-036) FOR ATTACHMENT OF WIRES TO PURLINS
18 ROOF JOIST- SEE SHEET S4.0 OR S4.1
19 MODLINE ABOVE
20 CLOSE OFF CROSS TEE- INSERT ONE END OF CROSS TEE INTO MAIN RUNNER WITH BAYONET, CUT OPPOSITE END TO FIT (IF LESS THAN 24"), INSERT MIN. 20 ga. MTL. STRAP THRU MAIN RUNNER, SECURE TO CROSS TEE W/ (2) #8 TEK SCREWS AT EACH END.
21 VERTICAL BRACE- 1/2" STEEL CONDUIT AT SPLAY WIRE LOCATIONS, DRILL (2) 1/8" HOLE THRU CONDUIT @ TOP & (1) @ BOTTOM, ATTACH CONDUIT TO JOIST ABOVE W/ (2) #8 TEK SCREWS, WITHIN 2" OF CROSS RUNNER.

DATE SIGNED JAN 31 2018

REGISTERED PROFESSIONAL ENGINEER JAMES C. WEBER III No. 36027 STRUCTURAL STATE OF CALIFORNIA

LICENSE EXPIRES 6-30-18

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 - 114139
ACS SS FLS DT
DATE FEB 01 2018

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

D.S.A.
04 - 114055
AC RM
DATE APR 03 2001
PORTION
STRUCT. ENGINEER
REGISTERED PROFESSIONAL ENGINEER JAMES C. WEBER III No. 36027 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2001
ARCHITECT

CHANGE ORDER
2 ADDED JIF-E SCREW
ALTERNATE

CHECKED BY:

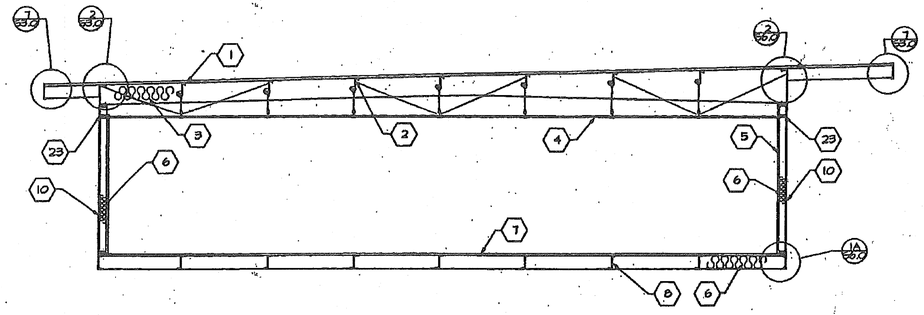
AURORA MODULAR INDUSTRIES
18533 Krameria Ave., Riverside, CA. 92504
Phone (909) 789-7196
Fax (909) 789-0253

REFLECTED CEILING PLAN (24x40)

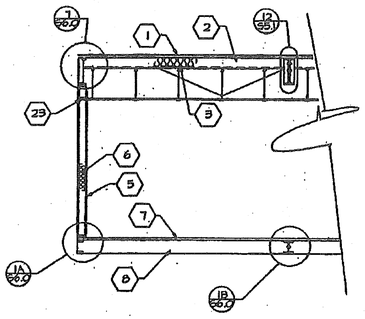
BY DATE

SHEET A5.0

©2003 Aurora Modular Industries



BUILDING SECTIONS
SCALE: 1/4" = 1'-0"



KEYNOTES

CBC 1998

PC

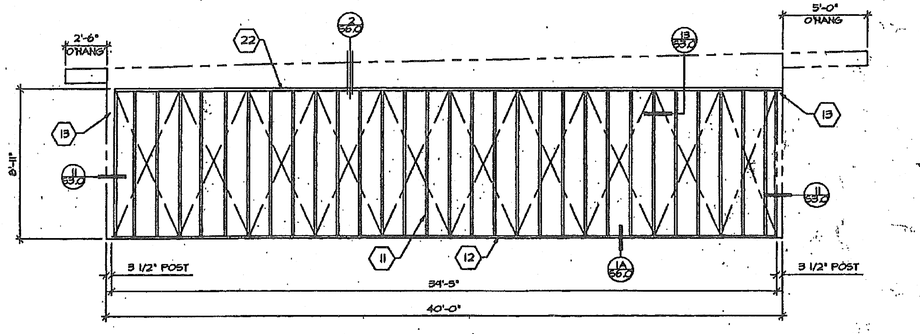
1 ROOF SHEATHING- SEE SHEET 9.1
2 STEEL ROOF JOIST- SEE SHEET S4.1
3 R-19 FIBERGLASS INSULATION ON METAL STRAPS.
4 SUSPENDED CEILING- SEE SHEET A9.0
5 TYPICAL INTERIOR FINISH- SEE SHEET 9.1
6 R-11 FIBERGLASS INSULATION.
7 PLYWOOD FLOOR SHEATHING- SEE SHEET S4.1
8 STEEL FLOOR JOIST- SEE SHEET S4.1
9 NOT USED
10 PLYWOOD SIDING/SHEATHING- SEE SHEET 9.0 FOR MATERIAL. NAIL SIDING WITH CORROSION RESISTANT 8d BOX NAILS @ 6" BOUNDARY & EDGES, 12" FIELD.
11 STUDS- 2x4 H.F. STUD GRADE @ 16" O.C.
12 BOTTOM PLATE- 2x4 H.F. STUD GRD. & BETTER.
13 STEEL FRAME- SEE SHEET S4.1 "STRUCTURAL ELEVATIONS" FOR MEMBER TYPES AND SIZES.
14 WINDOW HEADER- (2) 2x4 H.F. STUD GRD. FLAT.
15 FRAME FOR 3'-0"x 4'-0", WINDOW. USE (3) FULL HEIGHT HEM FIR 2x4 STUDS W/ 1 2x4 TRIMMER BOTH SIDES AND (2) 2x4 FLAT FOR WINDOW SILL. USE (4) FULL HEIGHT STUDS AT 80 MPH W/ STUCCO.
16 FRAME FOR 3'-0"x 6'-8" DOOR. USE (2) FULL HEIGHT 2x4 JAMB STUDS WITH (1) 2x4 TRIMMER BOTH SIDES, & (2) 2x4 FLAT FOR HEADER. SEE DETAIL 1 SHEET S9.0
17 NAIL THRU VERTICAL STUD INTO HORZ. HEAD OR SILL W/ MIN. (4) 16d NAILS PER CONNECTION. TYPICAL AT CORNERS OF ALL OPENINGS.
18 4x4 H.F. POST
19 SEE SHEET 9.1 FOR A/C SIZE AND TONNAGE OF MECHANICAL PLAN.
20 'SIMPSON' A35 CLIPS (4) PLACES TO TOP AND BOTTOM PLATES.
21 'SIMPSON' A35 CLIPS (4) PLACES TO WINDOW SILL AND HEADER OR (2) PLACES TO DOOR HEADER.
22 2x4 PLATE- H.F. STANDARD OR BETTER.
23 FIRE BLOCKING PER SEC. 708, 1994 CBC.

DATE SIGNED JAN 31 2018

LICENSE EXPIRES 6-30-18

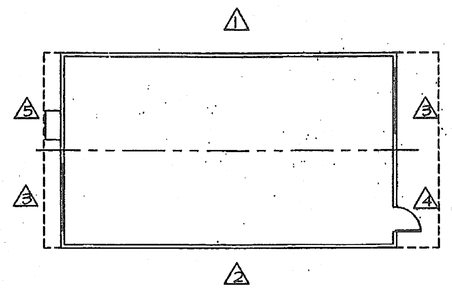
NOTE:
WHEN BUILDING WIND LOAD IS 80MPH USE D.F. #2 WOOD MEMBERS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 - 117039
ACS FLS SS
DATE FEB 01 2018

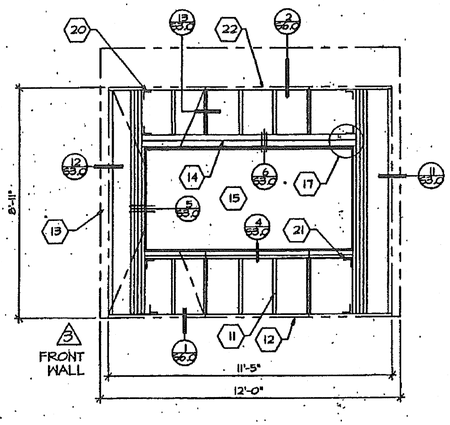


TYPICAL SIDEWALL
SCALE: 1/4" = 1'-0"

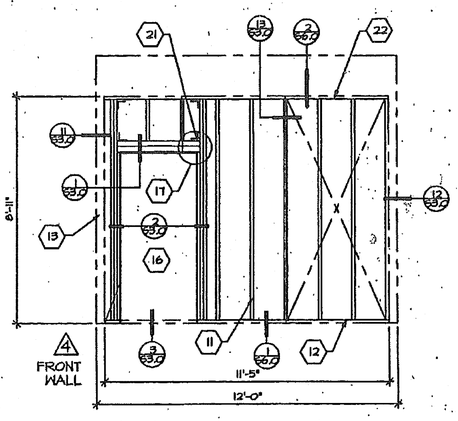
WALL 2 SHOWN
WALL 1 OPP. HAND



WALL LOCATIONS
SCALE: 1/8"=1'-0"



FRONT WALL
SCALE: 1/4" = 1'-0"



FRONT WALL
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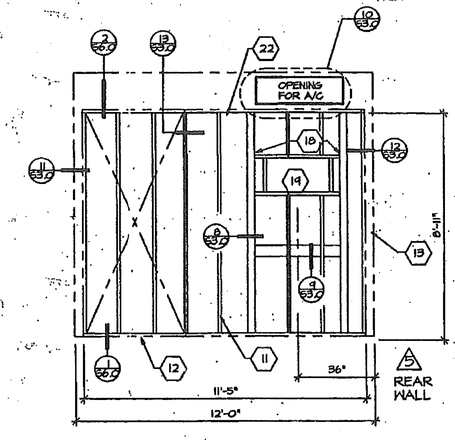


REAR WALL
SCALE: 1/4" = 1'-0"

TYPICAL ENDWALLS
SCALE 3/8"=1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

D.S.A.
PORTION 1

STRUCT. ENGINEER

LICENSE EXPIRES 6-30-2020

ARCHITECT

CHANGE ORDER

CHECKED BY

AURORA MODULAR INDUSTRIES
18333 Krameria Ave., Riverside, CA. 92504
Phone (909) 780-7196
Fax (909) 780-4123

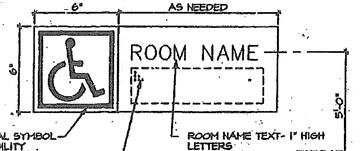
BUILDING SECTIONS, WALL FRAMING MONO SLOPE WOOD STUDS (24x40)

BY DATE

SHEET S1.3

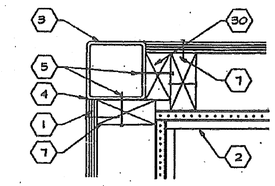
CAD. FILE NO.

Copyright Aurora Modular Industries

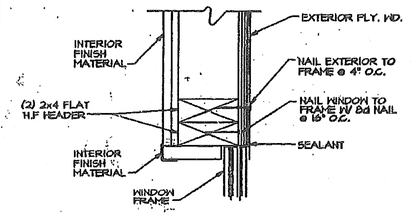


HANDICAP ROOM SIGN (N.I.C.) 16

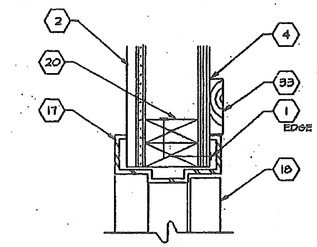
TO BE BLUE BACKGROUND W/ WHITE LETTERS



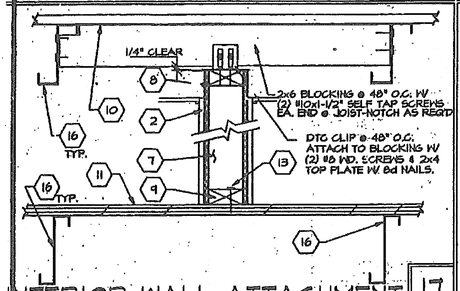
COLUMN AT CORNER 3"=1'-0" 11



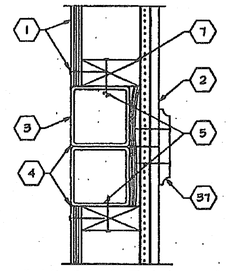
WINDOW HEADER 6



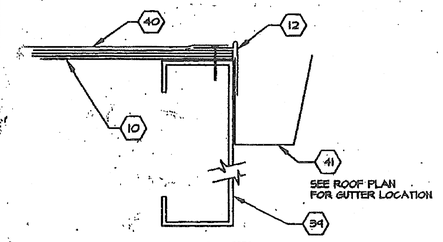
DOOR HEAD 1



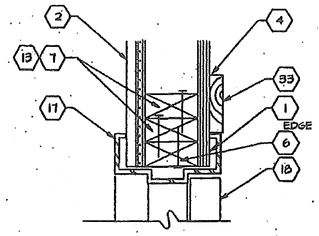
INTERIOR WALL ATTACHMENT 17



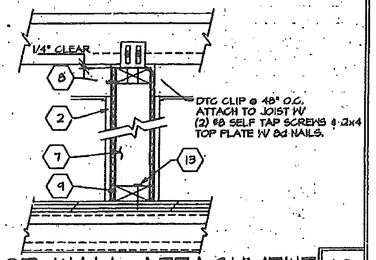
COLUMN AT MODLINE 3"=1'-0" 12



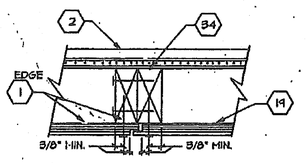
FASCIA 7



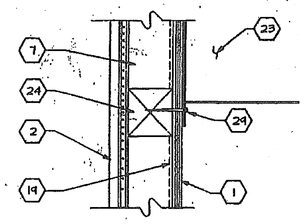
DOOR JAMB 2



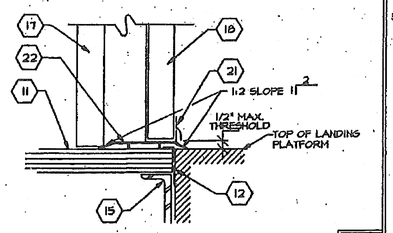
INTERIOR WALL ATTACHMENT 18



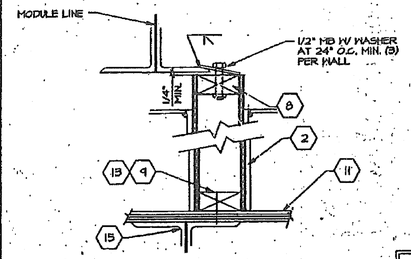
PANEL JOINT 13



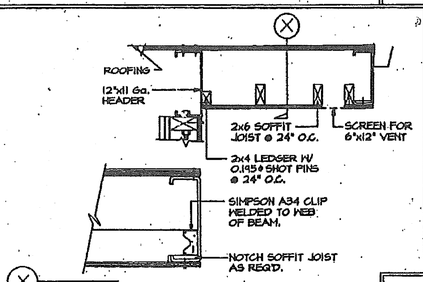
A/C @ SIDE 8



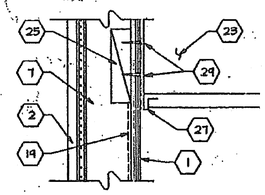
THRESHOLD 3



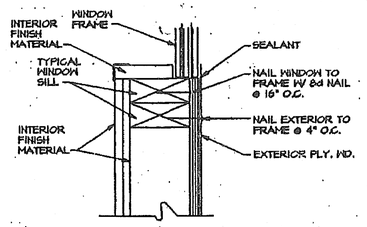
NT. WALL ATTACH @ MOD LINE 19



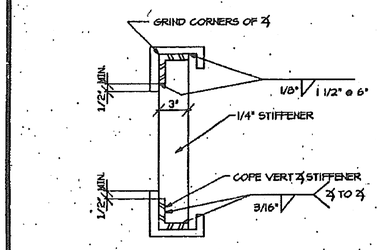
SOFFIT @ O'HANG (OPTIONAL) 14



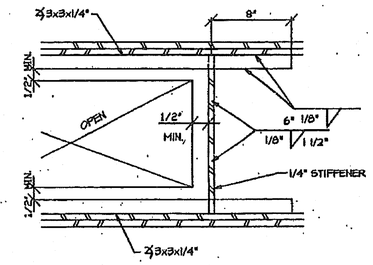
A/C @ BOTTOM 9



WINDOW SILL 4



A/C OPENING IN HEADER 20



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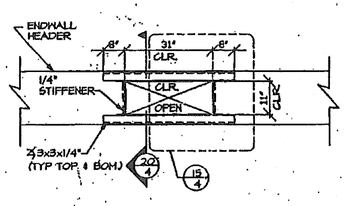
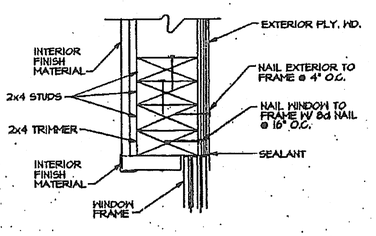


A/C OPENING IN HEADER 10



WINDOW JAMB 5

KEYNOTES

CBC 1998

PC

1. EXTERIOR PLYWOOD SIDING/SHEATHING - NAIL W/ CORROSION RESISTANT 8d BOX NAILS @ 6" O.C. BOUNDARY & EDGES, AND 12" O.C. FIELD, WITH MOISTURE BARRIER SEE SHEET 9.0 FOR MATERIAL.
2. TYPICAL INTERIOR FINISH - SEE SHEET 9.1 FOR MATERIAL
3. STEEL TUBE COLUMN - SEE SHEET S4.0 OR S4.1
4. SEALANT
5. HILTI DIST-P8 OR 'RAMSET' 1514 SD @ 24" O.C.
6. 2x4 TRIMMER
7. 2x4 FULL HEIGHT STUDS
8. 2x4 TOP PLATE
9. 2x4 BOTTOM PLATE
10. ROOF SHEATHING - SEE SHEET S4.0 OR S4.1
11. FLOOR SHEATHING - SEE SHEET S4.0 OR S4.1
12. GALVANIZED METAL FLASHING
13. 16d BOX NAILS @ 16" O.C.
14. NOT USED
15. STEEL FLOOR CHANNEL - SEE SHEET S4.0 OR S4.1
16. STEEL JOIST - SEE SHEET S4.0 OR S4.1
17. HOLLOW METAL DOOR FRAME
18. METAL DOOR
19. MOISTURE BARRIER
20. HEADER - (2) 2x4 H.F. STUD GRD. FLAT
21. DOOR BOTTOM WITH WEATHER STRIP
22. ALUMINUM THRESHOLD
23. WALL MOUNTED A/C
24. 4x4 H.F. & BETTER POST
25. 2x6 BLOCK BETWEEN STUDS. ATTACH TO STUDS W/ (2) 16d BOX NAILS EACH END OF BLOCKS INTO STUD
26. NOT USED.
27. 11 Ga x 24" LONG STEEL BOTTOM BRACKET
28. NOT USED.
29. 3/8" DIA. x 2-1/2" LAG BOLTS, QNTY AS INDICATED BY PRE DRILLED HOLES ON UNIT.
30. 3/4" x SPACER
31. NOT USED
32. NOT USED
33. 1x4 TRIM
34. NOT USED
35. NOT USED
36. NOT USED
37. VINYL WRAPPED CLOSE OFF BATT. ATTACH W/ 8d FINISH NAILS @ 10" O.C. (2) @ TOP. & BTM.
38. NOT USED
39. 10"x10 Ga. HEADER @ PERIM. OF OVERHANG.
40. ROOFING-SEE SHEET 9.1
41. 26 Ga GUTTER - SEE ROOF PLAN FOR LOCATION

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 7039
ACS SS FLS
DATE FEB 01 2018

NOTE:
WHEN BUILDING WIND LOAD IS 80 MPH USE D.F. #2 WOOD MEMBERS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

D.S.A.
DIV. OF THE OFFICE OF
04
DATE

D.S.A.
PORTION 1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
DEC 19 2001

STRUCT. ENGINEER

REGISTERED PROFESSIONAL ENGINEER
JAMES T. BURROUGHS
No. 30032
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2020

ARCHITECT

CHANGE ORDER

CHECKED BY

REGISTERED PROFESSIONAL ENGINEER
JAMES T. BURROUGHS
No. 30032
STRUCTURAL
STATE OF CALIFORNIA
DATE SIGNED
JAN 31 2019
LICENSE EXPIRES 6-30-19

AURORA MODULAR INDUSTRIES
16333 Krameria Ave., Riverside, Ca. 92504
Phone (909) 783-7186
Fax (909) 783-0253

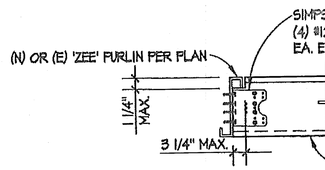
TYPICAL DETAILS PLY'WD EXTERIOR (WOOD STUDS)

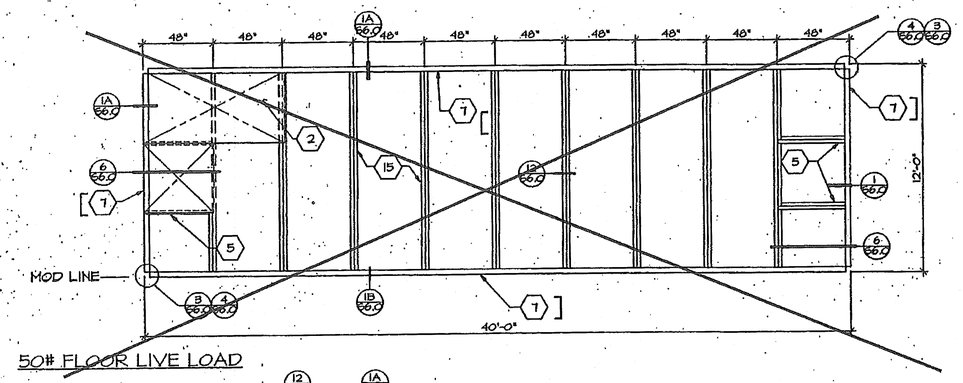
BY DATE

SHEET S3.0

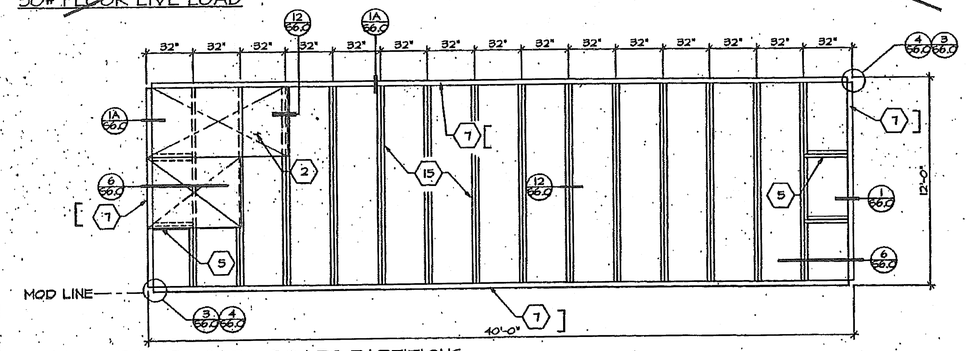
C.A.D. FILE NO.

©1998 Aurora Modular Industries

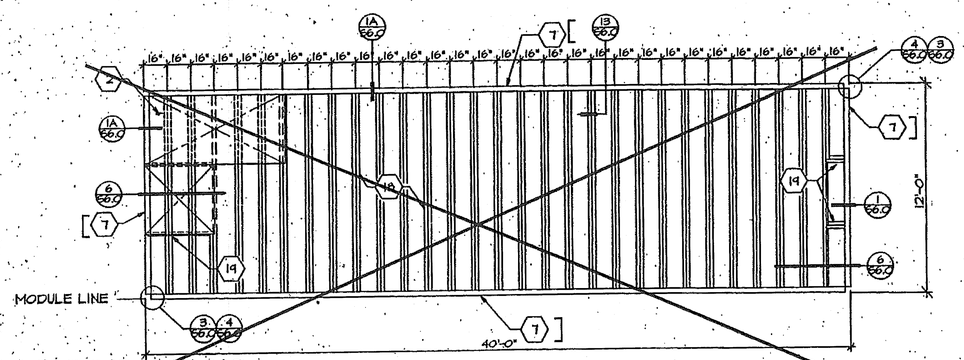




50# FLOOR LIVE LOAD



50# FLOOR LIVE LOAD + 20 LBS PARTITIONS



125# FLOOR LIVE LOAD

FLOOR FRAMING

SCALE 1/4" - 1'-0"

KEYNOTES

1 STEEL ROOF DECK - 22 Ga. ROLL FORMED DECK WITH 2" STANDING SEAM. SEE NOTE 1 SHT S6.1 FOR ATTACHMENT

2 PLYWOOD FLOOR SHEATHING - 1 1/8" A.P.A. STURD-I-FLOOR, T & G, P.S. 1-83. SEE NOTE 2 SHT.S6.0 OR S6.2 FOR ATTACH.

3 [18/23/18x3 1/2"x10 GA.

4 [18"x3 1/2x10 Ga. RFC STEEL ROOF HEADER.

5 "L1"x 11 Ga. STEEL BLOCK @ 48" O.C.

6 STEEL COLUMN - 3 1/2"x 3 1/2"x 3/16" TUBE @ "10'C"

7 L1"x 9.8 LB PERIMETER FLOOR FRAME.

8 "16"x 14 Ga. STEEL ROOF JOIST @ 48" O.C.

9 STEEL COLUMN - 3 1/2"x3 1/2"x1/4" TUBE. @ 80"C"

10 6"x 14 Ga. PURLIN BLOCK

11 WELD WASHER FOR CEILING GRID - TYP. BOTH SIDES SEE DETAIL 15 SHT. S6.0 OR S6.1

12 STRAP TACKED TO UNDERSIDE OF JOIST @ 24" O.C. FOR INSULATION SUPPORT.

13 3/16" FULL HEIGHT STIFFENER AT 4'-0" O.C.

14 2"x 20 Ga. STRAPS W/ 3" MIN. 1/8" FILLET WELD EACH END TO ROOF BEAM/HEADER TYP.

15 "L1"x 11 Ga. STEEL FLOOR JOIST @ SEE FRAMING PLAN FOR FLOOR JOIST SPACING

16 PLYWOOD ROOF SHEATHING 3/4" C-D INT WITH EXT. GLUE 48/24 INDEX, P.S. 1-74 SQUARE EDGE WITH PLYWOOD CLIPS @ 16" O.C. LONG EDGES.

17 1 1/2"x1 1/2"x3/16" BRACE (SEE SHT. S5.0 DET 10)

18 "L1"x 14 Ga. STEEL FLOOR JOIST @ 16" O.C.

19 "L1"x 14 Ga. STEEL BLOCK @ 48" O.C.

20 DOUBLE PURLINS WITH 6"x14 Ga. PURLIN BLOCKS @ ROOF MOUNTED HVAC-SEE MECHANICAL PLANS FOR EXACT SIZE AND LOCATION.

21 4"x4"x1/4" ALT. TUBE STEEL AT BUILDINGS WITH PARAPET AND HVAC SCREEN OPTION.

CBC 1998

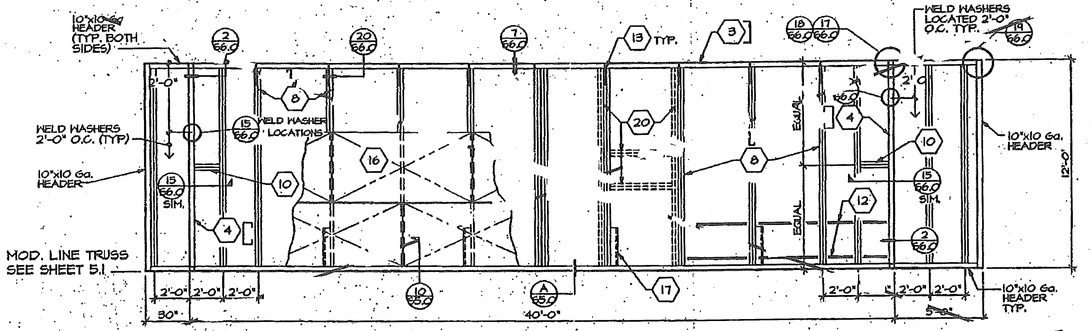
PC

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT 04 17239 ACS: FLS SS DATE FEB 01 2018

DATE SIGNED JAN 31 2018

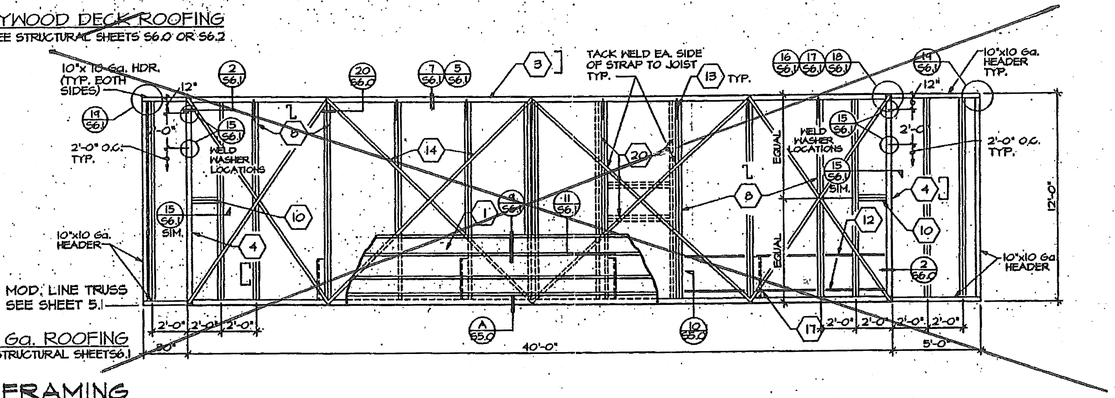
REGISTERED PROFESSIONAL ENGINEER ALBERT T. SINUKOFF No. 34624 CIVIL STATE OF CALIFORNIA

LICENSE EXPIRES 6-30-18



PLYWOOD DECK ROOFING

SEE STRUCTURAL SHEETS S6.0 OR S6.2

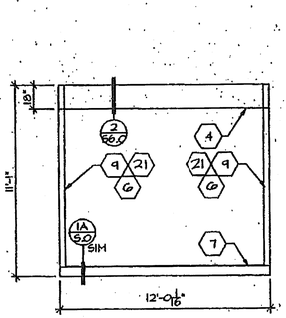


22 Ga. ROOFING

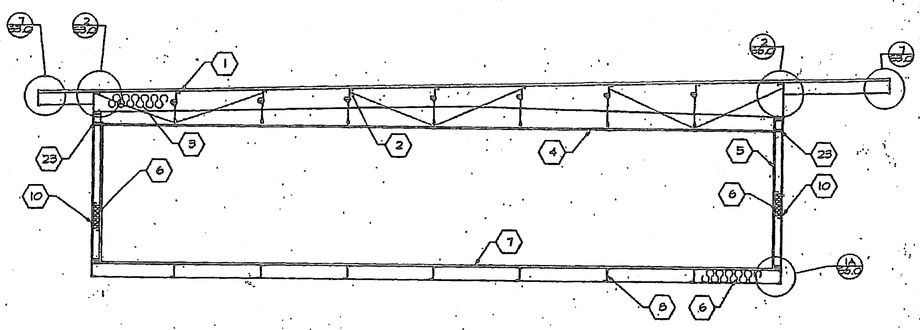
SEE STRUCTURAL SHEETS6.1

ROOF FRAMING

SCALE 1/4" - 1'-0"



TYPICAL ENDWALL



OUTSIDE ELEVATION

STRUCTURAL ELEVATION

SCALE 1/4" - 1'-0"

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 03-124683 INC: A REVIEWED FOR SS ☑ FLS ☑ ACS ☑ DATE: 02/06/2025

D.S.A.

PORTION 1

REC'D 1 0 2025

STRUCT. ENGINEER

REGISTERED PROFESSIONAL ENGINEER ALBERT T. SINUKOFF No. 34624 CIVIL STATE OF CALIFORNIA

LICENSE EXPIRES 6-30-2025

ARCHITECT

CHANGE ORDER

CHECKED BY

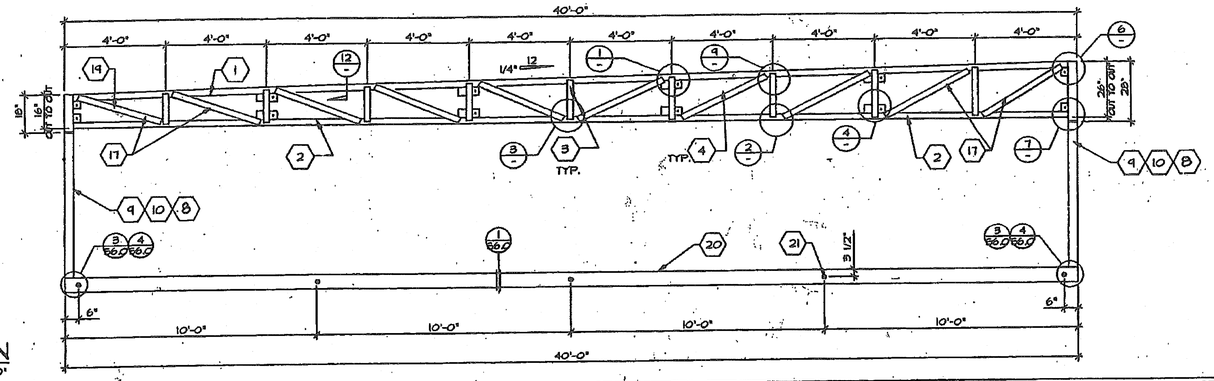
AURORA MODULAR INDUSTRIES
18333 Kramaria Ave., Riverside, CA. 92504
Phone (909) 783-7196
Fax (909) 783-0253

MONO ROOF
FLOOR FRAMING
ROOF FRAMING
STRUCTURAL ELEVATIONS
(80 M.P.H. 'C')

BY DATE

SHEET S4.1

C.A.D. FILE NO.



TRUSS ELEVATION

SCALE 3/8" = 1'-0"

A

KEYNOTES

CBC 1998

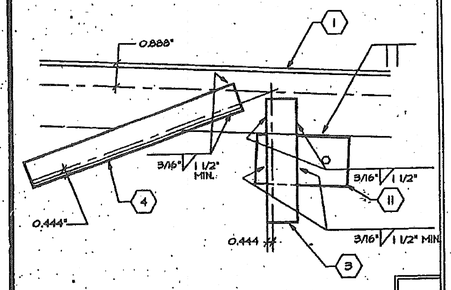
PC

1. 2 3"x3"x3/8" TOP CHORD.
2. 2 3"x3"x3/8" 1/2" CHAMBER AT MIDPOINT
3. 2 1 1/2"x1 1/2"x3/16" VERTICAL MEMBER
4. 2 1 1/2"x 1 1/2"x 3/16" DIAGONAL MEMBER TYP.
5. NOT USED
6. NOT USED
7. 1/4" CAP PLATE
8. TS 3 1/2"x 3 1/2"x 5/16" STEEL TUBE @ 10'-0"
9. TS 3 1/2"x3 1/2"x1/4" STEEL TUBE @ 20'-0"
10. - TS 4" X 4" X 1/4" ALTERNATE TUBE STEEL USE WITH PARAPET AND HVAC SCREEN OPTIONS.
11. 3/8"x3"x3 1/2" PLATE WITH 1 1/16" HOLE FOR 5/8" MACHINE BOLT LOCATE PLATES @ 8'-0" O.C. FOR MODULE CONNECTION. SEE DETAIL 8.
12. 5/8" MACHINE BOLT FOR MODULE CONNECTION
13. NOT USED
14. TS COLUMN OR STUB COLUMN. SEE NOTE 8, 9, 10.
15. ROOF JOIST- SEE NOTE 5 SHEET S4.1
16. 1 1/2"x1 1/2"x3/16" BRACE @ 8'-0" O.C.
17. 2 2"x 2"x 1/4" END DIAGONAL W/ MIN. 4" OF 3/16" FILLET WELD EACH END @ 80 °C°.
18. 3/8" PLATE FITTED INSIDE TUBE COL. & WELDED IN PLACE TO COLUM W/ 3/16" FILLET WELD TWO SIDES
19. 2 1 1/2"x 1 1/2"x 3/16" DIAGONAL W/ MIN. 4" OF 3/16" FILLET WELD EA. END @ 70 °C°.
20. C 7"x 9.8 LB PERIMETER FLOOR FRAME.
21. 5/8" MACHINE BOLT @ MOD. CONNECTION SEE DETAIL 18 SHEET S6.0 OR S6.1

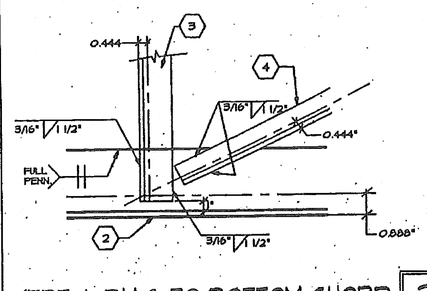
DATE SIGNED JAN 31 2019

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No. 33222 STRUCTURAL STATE OF CALIFORNIA

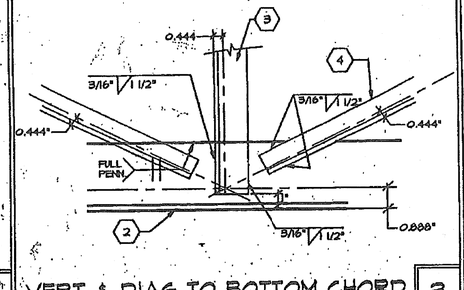
LICENSE EXPIRES 6-30-18



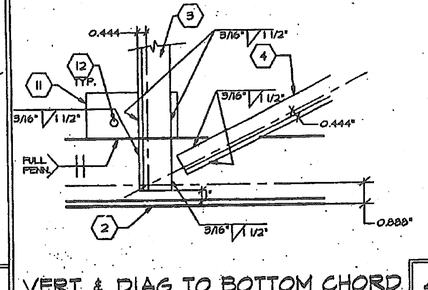
VERT. & DIAG. TOP CHORD 1



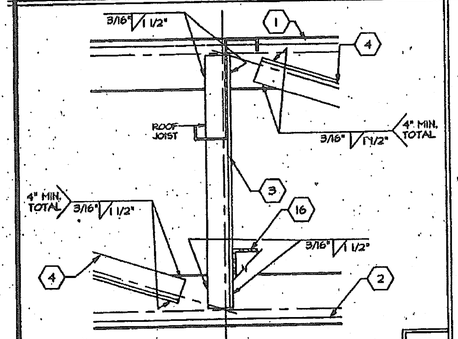
VERT & DIAG TO BOTTOM CHORD 2



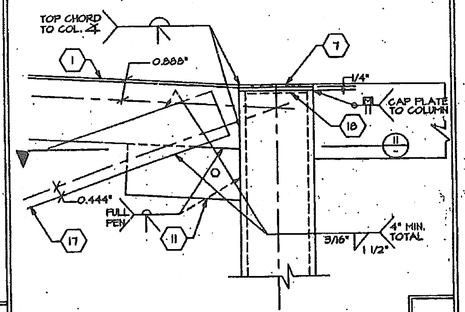
VERT & DIAG TO BOTTOM CHORD 3



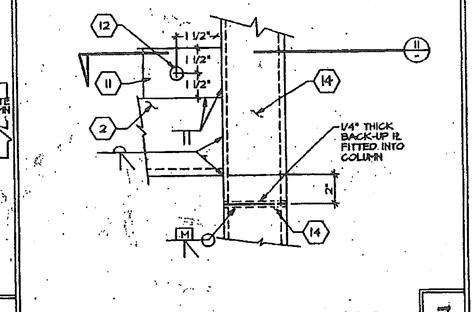
VERT & DIAG TO BOTTOM CHORD 4



CONN. TO VERTICAL MEMBER 5



POST CONN TO TRUSS 6



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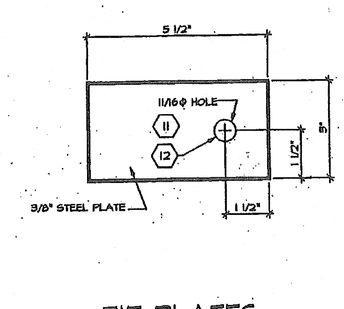
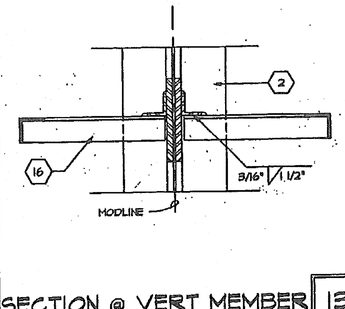
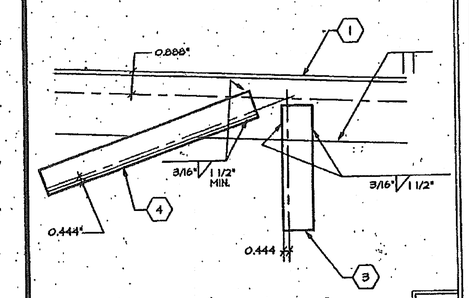


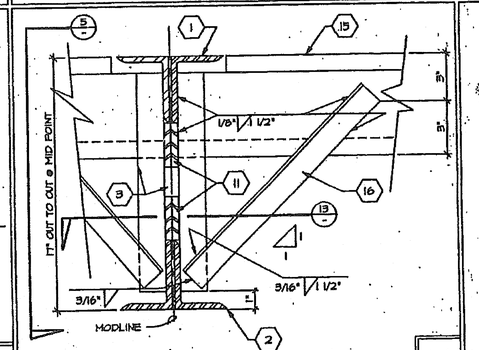
TIE PLATES 8



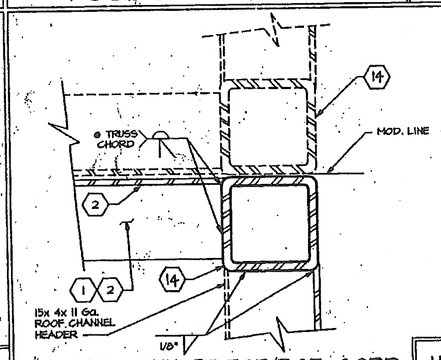
SECTION @ VERT MEMBER 13



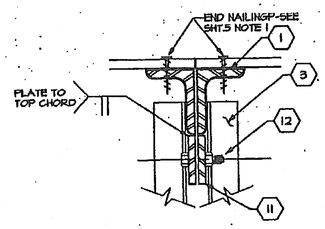
VERT. & DIAG. TOP CHORD 9



TRUSS TO ROOF JOIST BRACING 10



MODULE CONN AT TOP/BOT. CORD 11



MODULE CONNECTION 12

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 11 0139
ACS FLS SS
DATE FEB 01 2019

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

D.S.A.
PORTION 1

STRUCT. ENGINEER

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No. 33222 STRUCTURAL STATE OF CALIFORNIA

LICENSE EXPIRES 6-30-18

ARCHITECT

CHANGE ORDER

CHECKED BY

AURORA MODULAR INDUSTRIES
16333 Kramer Ave., Riverside, CA. 92504
Phone (909) 789-7195
Fax (909) 789-2283

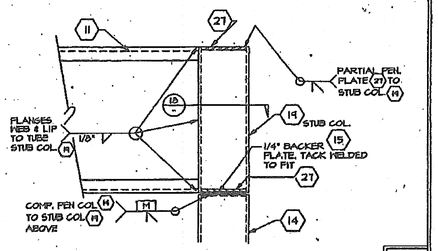
MONO SLOPE
STEEL TRUSS
SECTION AND
DETAILS

BY DATE

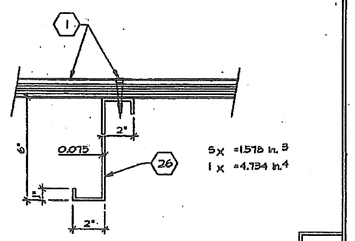
SHEET

S5.1

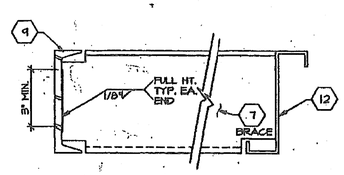
C.A.D. FILE NO.



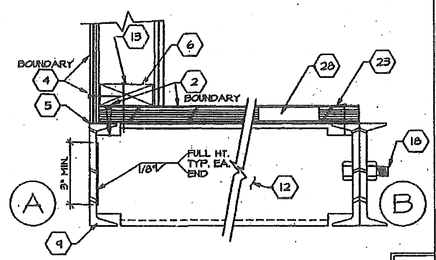
POST CONN. AT ROOF 16



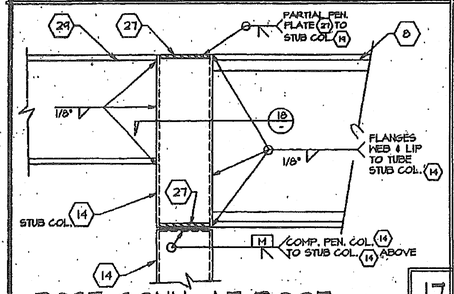
ROOF JOIST 11



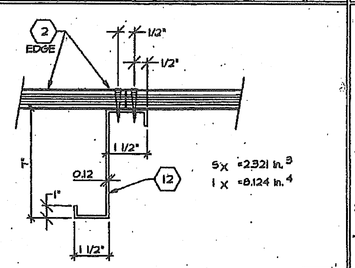
BRACE AT FLOOR 6



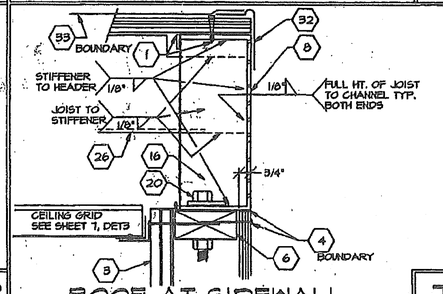
PERIMETER FLOOR 1



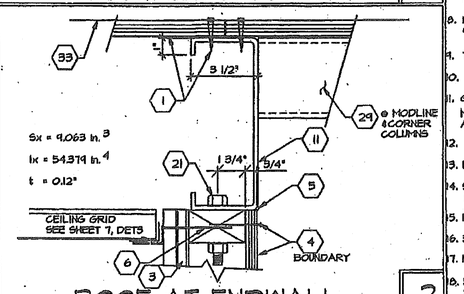
POST CONN. AT ROOF 17



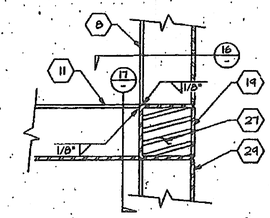
FLOOR JOIST 12



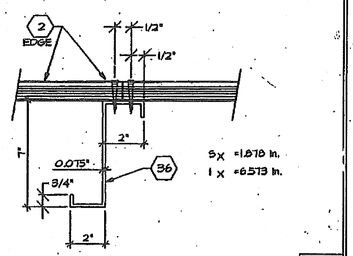
ROOF AT SIDEWALL 7



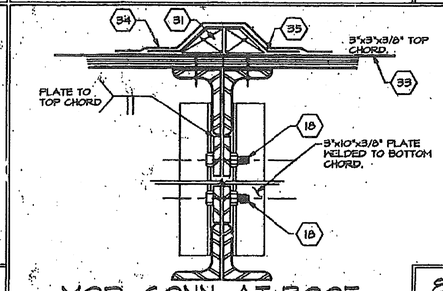
ROOF AT ENDWALL 2



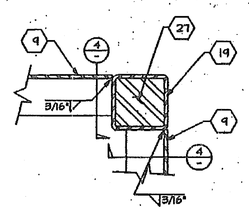
POST CONN. AT ROOF 18



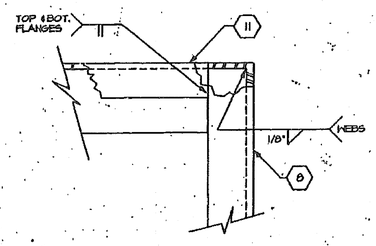
(ALT.) FLOOR JOIST 13



MOD. CONN. AT ROOF 8

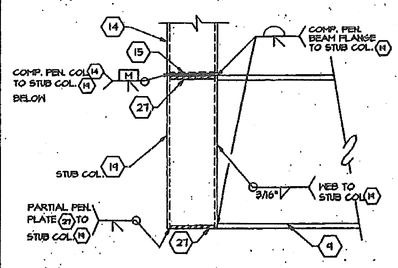


CORNER CONN. AT FLOOR 3



HEADER TO BEAM CONN. 19

14



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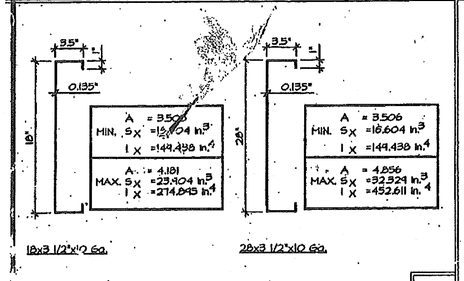
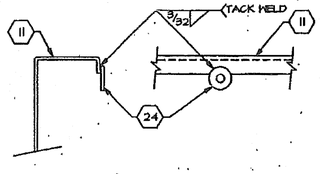
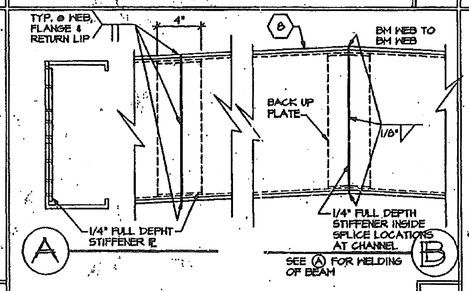


SECTION PROPERTIES 20



WELD WASHER SUSPENDED CEILING HANGER WIRE 15



TYPICAL BEAM SPLICE 10

5

KEYNOTES

CBC 1998

PC

1. PLYWOOD ROOF DECK - SEE NOTE 1, SHT. S4.0 OR S4.1 ATTACH PLYWOOD WITH #10 x 1-1/4" SELF TAP SCREWS @ 6" O.C. FIELD NAILING AND EDGE NAILING. ALTERNATE ORIENTED STRAND BOARD (O.S.B.) ROOF SHEATHING PER D.S.A. PRODUCT ACCEPTANCE NUMBER PA-062
2. PLYWOOD FLOOR SHEATHING - SEE NOTE 2 SHT. S4.0 OR S4.1. ATTACH PLYWOOD W/ #10 - 24 x 1-3/4" SELF TAP SCREWS @ 6 O.C. BOUNDARY & EDGES AND 6" O.C. FIELD. W/ FLOOR JOIST @ 48" O.C. (JOIST SPACE UNDER 48" O.C. = 10" O.C. FIELD)
3. TYPICAL INTERIOR FINISH - SEE SHEET 9.1
4. TYPICAL EXTERIOR FINISH - SEE SHEET 9.1
5. SEALANT
6. 2 x 4 TOP PLATE OR BOTTOM PLATE
7. 1"x 11 Ga. STEEL BRACE WELDED TO PERIMETER FRAME AND FLOOR JOIST.
8. 18/23/18x3 1/2"x10 Ga. CHANNEL @ GABLE ROOF & 18/28/18x3 1/2"x10 Ga. CHANNEL @ MONO SLOPE.
9. T"x 9.8 lb PERIMETER FRAME.
10. 4"x 4"x 1/2" STIFFENER.
11. GABLE ROOF: 18x3 1/2"x10 Ga. CHANNEL ROOF HDR. EA. END MONO SLOPE: 28x3 1/2"x10 Ga. CHANNEL ROOF HDR. @ FRONT AND 18x3 1/2"x10 Ga. CHANNEL ROOF HDR. @ REAR.
12. 7"x 11 Ga. FLOOR JOIST.
13. 16d NAIL @ 8" O.C.
14. STEEL COLUMN - 3 1/2"x 3 1/2"x 1/4" TUBE AT 80'C' AND 3 1/2" x 5 1/2" x 5/16" TUBE AT 'B'C'
15. 1/4" CAP PLATE.
16. 3/16" FULL HEIGHT STIFFENER @ 4'-0" O.C.
17. NOT USED
18. 5/8" MACHINE BOLT @ MODULE CONNECTION - SEE SHT. S4.0 OR S4.1 "STRUCTURAL SIDE" FOR ELEVATIONS.
19. 3 1/2"x 3 1/2"x 1/4"x 15'-2" LONG TUBE AT ROOF @ 80'C'
3 1/2"x 3 1/2"x 1/4"x 7' LONG TUBE AT FLOOR @ 80'C'
3 1/2" x 3 1/2" x 5/16"x 18' 4 1/2" LONG TUBE AT ROOF @ 76'C'
3 1/2" x 3 1/2" x 5/16"x 9' LONG TUBE AT FLOOR @ 76'C'
20. 1/2" MACHINE BOLT W/ WASHER @ 24" O.C. MIN.
21. 1/2" MACHINE BOLT @ 24" O.C. MIN.
22. CHANNEL FRAME - GRIND WELDS ON EXPOSED FACES SMOOTH.
23. AT MODULE JOINT TAKE PLYWOOD TO EDGE OF CHANNEL. AT PERIMETER, HOLD PLYWOOD BACK AS INDICATED.
24. WELD WASHER - 1-3/8"x 3/32" WITH 9/16" HOLE. WELD TO UPPER CHANNEL FLANGE.
25. NOT USED
26. 6"x 14 Ga. ROOF JOIST
27. 1/4" PLATE FITTED INSIDE TUBE COLUMN AND WELDED IN PLACE.
28. 5" DIA. HOLE AT BOLT LOCATION.
29. [10"x10Ga. HDR. @ PERIM. OF ROOF OVERHANG.
30. NOT USED.
31. CONTINUOUS WOOD CANT STRIP. EXTEND ROOFING TO TOP OF CANT STRIP.
32. GALVANIZED METAL FLASHING.
33. ROOFING MATERIAL - SEE SHT. 9.1
34. MINERAL SURFACE CAP SHEET 18" WIDE SET IN COLD PROCESS CEMENT, NAIL AS REQUIRED, SPOT COAT NAIL HEADS.
35. FIBERGLASS BASE 12" WIDE. NAIL EDGES 12" O.C.
36. T"x 14 Ga. ALT. FLOOR JOIST

DATE SIGNED JAN 31 20

LICENSE EXPIRES 6-30-18

NOTE: USE 4" X 4" X 1/4" TUBE STEEL WHEN PARAPET AND HVAC OPTION

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
04 117339
ACS ☐ FLS ☐ SS ☐
DATE FEB 01 2018

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

D.S.A.
DIV. OF THE STATE ARCHITECT
OFFICE OF
04
APP
DATE

D.S.A.
PORTION
DIVISION OF THE STATE ARCHITECT

STRUCT. ENGINEER
REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No. 28602 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-18

ARCHITECT

CHANGE ORDER

CHECKED BY

AURORA MODULAR INDUSTRIES
18333 Kramaria Ave., Riverside, Ca. 92504
Phone (909) 788-7196
Fax (909) 788-0283

STRUCTURAL DETAILS AND NOTES (WOOD STUDS) (FLY'ND ROOF)

BY DATE

SHEET S6.0

C.A.D. FILE NO.

Chas. Aero Mobile Industries

120/208	120/208 3PH, 4WIRE			200 AMP	Main Breakers	Bus	Lug	X		ENCLOSURE TYPE	ENCLOSURE NOTE
	200% Neutral Bus					Enclosure	Recessed	X	X	NEMA TYPE 1	
	(INTEGRAL)TVSS Protection						Surface			NEMA TYPE 3R	
FS	(REMOTE)TVSS Protection									NEMA TYPE 4X	
	Service Entrance Rated	GENERAL DISTRIBUTION: PROVIDE DOOR OR BREAKER DEVICES FOR ALL EMERGENCY LIGHTING,									
	Lead Side Feed thru Lugs	BREAKER REQUIREMENTS: MOTORS, AND FIRE ALARM EQUIPMENT SERVED FROM THIS PANEL.									

LCL	NL	CIRCUIT DESCRIPTION	AMP	POLE	NO	PHASE A	PHASE B	PHASE C	NO	AMP	POLE	CIRCUIT DESCRIPTION	LCL	NL
	X	REFRIG.	20	1	1	1000			2	20	1	LIGHTING		X
	X	REFRIG.	20	1	3	500	1000		4	20	1	LIGHTING		X
	X	FREEZER	20	1	5		500	1000	6	20	1	EXTERIOR LIGHTING		X
	X	MILK COOLER	20	1	7	1000		500	8	20	1	SPARE		
	X	MILK COOLER	20	1	9		1000		10	20	1	RECEPT		X
	X	MILK COOLER	20	1	11			1000	12	20	1	RECEPT		X
	X	FOOD WARMER	20	1	13	1000			14	20	1	FIRE ALARM PANEL		X
	X	FOOD WARMER	20	1	15		1000		16	20	1	SPARE		
	X	FOOD WARMER	20	1	17			1000	18	50	3	HVAC unit		X
	X	FOOD WARMER	20	1	19	1000			20	-	-	"		X
	X	MILK COOLER	20	1	21	500	1000		22	-	-	"		X
	X	MILK COOLER	20	1	23		500	1000	24	20	1	SPARE		
	X	POS	20	1	25	1000			26	20	1	SPARE		
		SPARE	20	1	27		2000		28	50	2	HOOD		
		SPARE	20	1	29			2000	30	-	-	"		
		SPARE	20	1	31				32	20	1	SPACE		
		SPARE	20	1	33				34	20	1	SPACE		
		SPARE	20	1	35				36	20	1	SPACE		
		SPACE	20	1	37				38	20	1	SPACE		
		SPACE	20	1	39				40	20	1	SPACE		
		SPACE	20	1	41				42	20	1	SPACE		

SPECIAL PANEL NOTE — NOTE #1 — NOTE #2

NHL=Non Harmonic Load	TOTAL LOAD PER PHASE	11834	13849	13632
LCL=Long Continuous Load	25% LONG CONTINUOUS LOADS	0	0	0
	SUB PANEL			
Max Bus Load	SUB PANEL			
81 AMPS	TOTAL CONNECTED LOAD	11834	13849	13632

HID/FLR 13750 / 0.9pf = VA @ 120/1PH 127.8 AMPS
ALL PHASES 55550 / 0.9pf = VA @ 208/3PH 121.5 AMPS

DEMAND PER NEC 220-34 — AMPS

120/208	120/208 3PH, 4WIRE			100 AMP	Main Breakers	Bus	Lug	X		ENCLOSURE TYPE	ENCLOSURE NOTE
	200% Neutral Bus					Enclosure	Recessed	X	X	NEMA TYPE 1	
	(INTEGRAL)TVSS Protection						Surface			NEMA TYPE 3R	
LR	(REMOTE)TVSS Protection									NEMA TYPE 4X	
	Service Entrance Rated	GENERAL DISTRIBUTION: PROVIDE DOOR OR BREAKER DEVICES FOR ALL EMERGENCY LIGHTING,									
	Lead Side Feed thru Lugs	BREAKER REQUIREMENTS: MOTORS, AND FIRE ALARM EQUIPMENT SERVED FROM THIS PANEL.									

LCL	NL	CIRCUIT DESCRIPTION	AMP	POLE	NO	PHASE A	PHASE B	PHASE C	NO	AMP	POLE	CIRCUIT DESCRIPTION	LCL	NL
	X	RECEPT	20	1	1	900			2	50	3	LIGHTING		X
	X	RECEPT	20	1	3	900	900		4	20	1	LIGHTING		X
	X	RECEPT	20	1	5		900	900	6	20	1	EXTERIOR LIGHTING		X
	X	RECEPT	20	1	7	900			8	20	1	SPARE		
	X	DF RECEPT	20	1	9	1000			10	20	1	SPARE		X
	X	SPARE	20	1	11				12	20	1	SPARE		X
	X	SPARE	20	1	13				11	20	1	SPARE		X
	X	SPARE	20	1	15				16	20	1	SPARE		
	X	SPARE	20	1	17				18	50	3	HVAC unit		X
	X	SPARE	20	1	19			1000	20	-	-	"		X
	X	SPARE	20	1	21	3500			22	-	-	"		X
		SPACE	20		23		3500		24	20	1	SPACE		
		SPACE	20		25				26	20	1	SPACE		
		SPACE	20		27				28	20	1	SPACE		
		SPACE	20		29				30	20	1	SPACE		
		SPACE	20		31				32	20	1	SPACE		
		SPACE	20		33				34	20	1	SPACE		
		SPACE	20		35				36	20	1	SPACE		
		SPACE	20		37				38	20	1	SPACE		
		SPACE	20		39				40	20	1	SPACE		
		SPACE	20		41				42	20	1	SPACE		

SPECIAL PANEL NOTE — NOTE #1 — NOTE #2

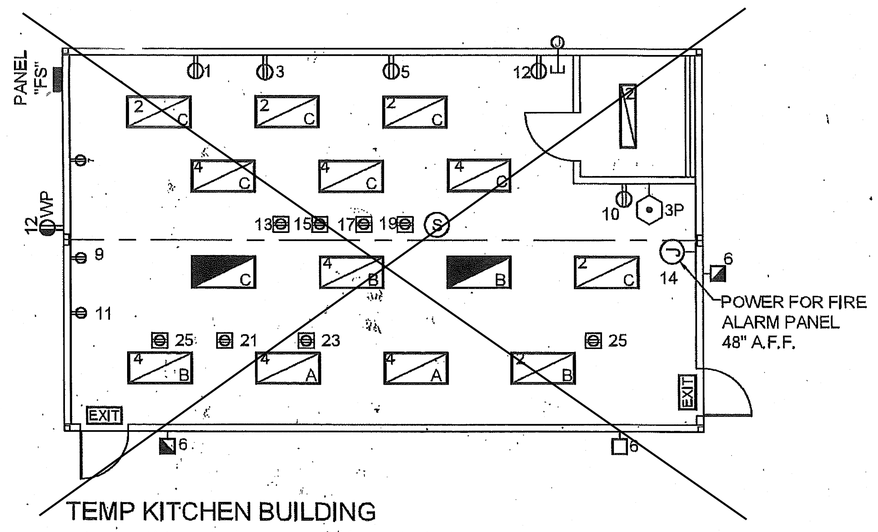
NHL=Non Harmonic Load	TOTAL LOAD PER PHASE	4600	5160	3880
LCL=Long Continuous Load	25% LONG CONTINUOUS LOADS	0	0	0
	SUB PANEL			
Max Bus Load	SUB PANEL			
0 AMPS	TOTAL CONNECTED LOAD	4600	5160	3880

HID/FLR 5160 / 0.9pf = VA @ 120/1PH 47.8 AMPS
ALL PHASES 13640 / 0.9pf = VA @ 208/3PH 42.2 AMPS

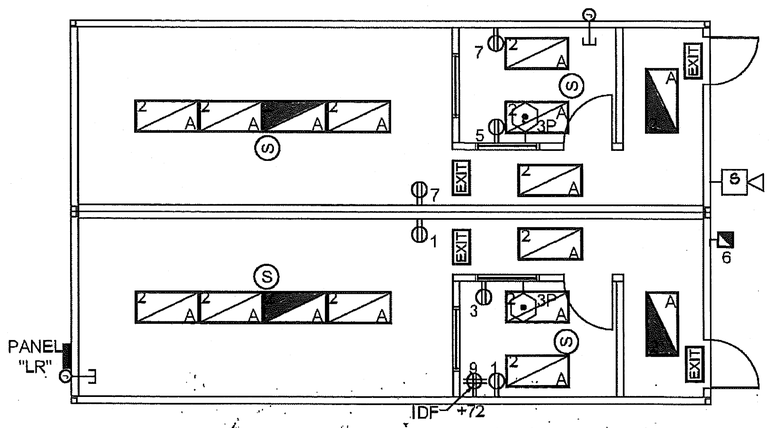
DEMAND PER NEC 220-34 — AMPS

FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	WATTS	MANUFACTURER
	2' x 4' FLUORESCENT DROP IN FIXTURE, ACRYLIC PRISMATIC LENS, ENERGY SAVING BALLAST, (4) 40 WATT TUBES, HT. 27 lbs	160 WATTS	CREXCENT 2240P4(2)A12' OR EQUAL
	INCANDESCENT SURFACE MOUNTED EXTERIOR LIGHT WITH IMPACT RESISTANT ENCLOSURE	100 WATTS	KEMALL 3866' OR EQUAL
+ 18" (UNO)	DUPLEX RECEPT - 15a 125v 3 WIRE GROUNDING TYPE.	180 WATTS	GENERAL ELECTRIC 5242-2 OR EQUAL
+ 48"	LIGHT SWITCH - SINGLE POLE		GENERAL ELECTRIC 5401-2 OR EQUAL
	JUNCTION BOX		
	DISCONNECT SWITCH -BUILT INTO A/C UNIT		
T + 48"	THERMOSTAT		WHITE ROGERS
+ 48"	FIRE ALARM PULL STATION (J-BOX ONLY)		
+ 6'-0" (HLP)	FIRE ALARM HORN (J-BOX ONLY) (HLP. - INDICATES HEATHERPROOF)		
	ELEC. PANEL		SQD OR EQUAL
	ELEC. CLOCK 6' BELOW CEILING LINE		WESTCLOX 704 OR EQUAL
EXIT	EXIT SIGN W/ BATTERY BACK-UP EMERGENCY LIGHTING MOUNTED ABOVE DOOR		
+ 80"	VISUAL WARNING DEVICE -60 FLASHES PER MINUTE. (J-BOX ONLY)		
(SD)	CEILING MOUNTED SMOKE DETECTOR @ 15'-0" FROM SIDEWALL & 10'-0" FROM ENDWALL. (J-BOX ONLY)		
(HD)	ATTIC HEAT DETECTOR (J-BOX ONLY)		

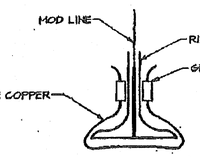


TEMP KITCHEN BUILDING
LIGHTING AND POWER PLAN
SCALE: 1/4" = 1'-0"
'A' UNIT SHOWN 'B' UNIT OPP. HAND.

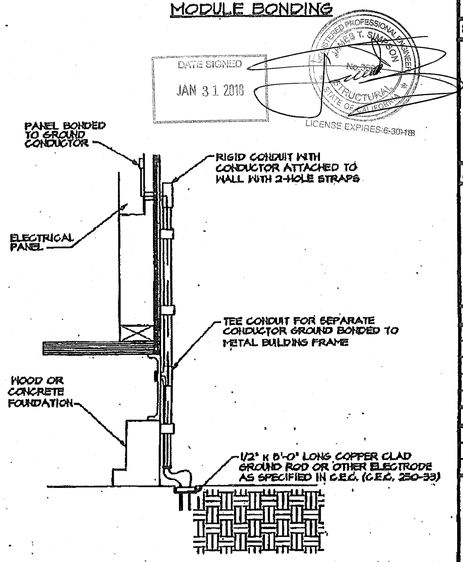


LOCKER BUILDING
LIGHTING AND POWER PLAN
SCALE: 1/4" = 1'-0"
'A' UNIT SHOWN 'B' UNIT OPP. HAND.

CBC 1998
PC



MODULE BONDING



SYSTEM GROUND DETAIL

NOT BY PORTABLE MANUFACTURER

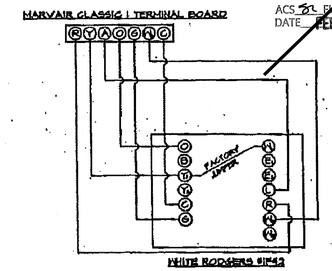
1 SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250-95.

2 BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO METAL BUILDING FRAME (CEC 250-81). IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10 FT. INTO THE SOIL IF AVAILABLE. (CEC 250-81 & 250-83).

3 ALL MODULES OF THE METAL FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED TOGETHER. (BOLTING ONLY IS NOT ACCEPTABLE BONDING.)

4 CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS (CEC 250-840) AS REQUIRED, WITH CONDUCTORS, AS SHOWN, SEPARATED BY AT LEAST 6'-0" UNTIL RESISTANCE IS 25 OHMS OR LESS.

5 FIELD INSPECTOR SHALL WITNESS AND VERIFY THE GROUNDING TEST.



A/C CONTROL WIRING

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

D.S.A.
04 107055
JUN 06 1999

D.S.A.
PORTION 1
FEB 10 2025

STRUCT. ENGINEER
DATE SIGNED JAN 31 2019
LICENSE EXPIRES:6-30-19
LICENSE EXPIRES 6-30-2020

ARCHITECT

CHANGE ORDER

CHECKED BY

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117839
ACS SL FLS SS
DATE FEB 0 1 2019

AURORA MODULAR INDUSTRIES
16333 Kramer Ave. Riverside, CA. 92504
Phone: (909) 783-2100
Fax: (909) 783-2053

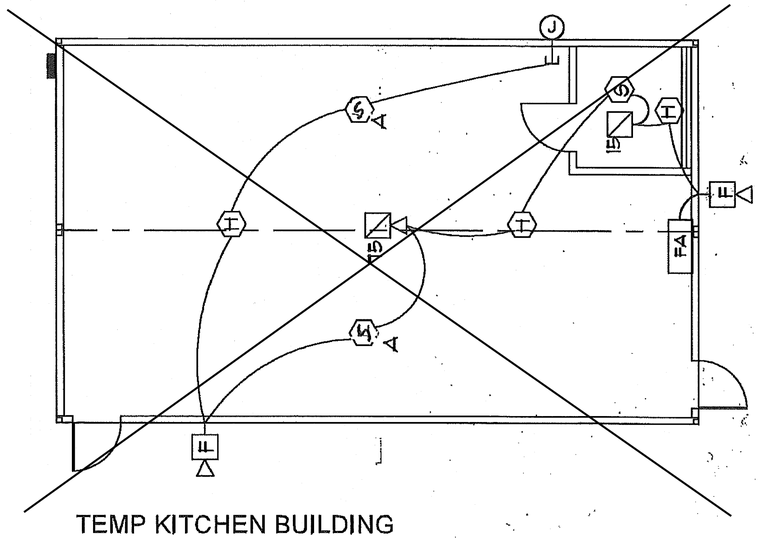
ELECTRICAL, POWER & LIGHTING FLOOR PLAN & PANEL SCHEDULE

BY DATE

SHEET

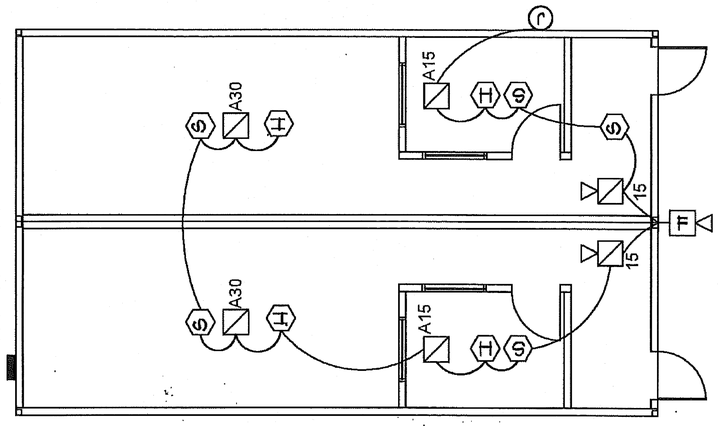
E1 .0

CAD FILE NO.



TEMP KITCHEN BUILDING
FIRE ALARM
SCALE: 1/4" = 1'-0"

'A' UNIT SHOWN
'B' UNIT OPP. HAND.



LOCKER ROOM
FIRE ALARM
SCALE: 1/4" = 1'-0"

'A' UNIT SHOWN
'B' UNIT OPP. HAND.

FIRE ALARM SYMBOL LEGENDS

- MANUAL PULL STATION MOUNTED BETWEEN 42" TO 48" AFF. TO HIGHEST POINT OF OPERATING HANDLE OR LEVER OF DEVICE.
- 81 / 15 — WALL MOUNTED FLASHING LIGHT STROBE MOUNTED +80"-96" AFF. OR 6" BELOW CEILING TO BOTTOM OF DEVICE WHICHEVER IS LOWER. ENTIRE LENS MUST BE WITHIN THE +80"-96" DIMENSION. (15 = STROBE CANDELA RATING) (81 = SIGNAL CIRCUIT IDENTIFICATION)
- 81 / 15 — WALL MOUNTED FLASHING LIGHT STROBE MOUNTED +80"-96" AFF. OR 6" BELOW CEILING TO BOTTOM OF DEVICE WHICHEVER IS LOWER. ENTIRE LENS MUST BE WITHIN THE +80"-96" DIMENSION. (15 = STROBE CANDELA RATING) (81 = SIGNAL CIRCUIT IDENTIFICATION)
- 81 / 15 — WALL MOUNTED SPEAKER/STROBE MOUNTED +80"-96" AFF. OR 6" BELOW CEILING TO BOTTOM OF DEVICE WHICHEVER IS LOWER. ENTIRE LENS MUST BE WITHIN THE +80"-96" DIMENSION. (15 = STROBE CANDELA RATING) (81 = SIGNAL CIRCUIT IDENTIFICATION) TAP AT 1/4 WATT (U.O.N.)
- WALL MOUNTED SPEAKER ONLY MOUNTED +80"-96" AFF. OR 6" BELOW CEILING TO BOTTOM OF DEVICE WHICHEVER IS LOWER. ENTIRE LENS MUST BE WITHIN THE +80"-96" DIMENSION. (15 = STROBE CANDELA RATING) (81 = SIGNAL CIRCUIT IDENTIFICATION) TAP AT 1/4 WATT (U.O.N.)
- 81 / 15 — CEILING MOUNTED FLASHING LIGHT STROBE (15 = STROBE CANDELA RATING) (81 = SIGNAL CIRCUIT IDENTIFICATION)
- 81 / 15 — CEILING MOUNTED COMBINATION HORN/STROBE (15 = STROBE CANDELA RATING) (81 = SIGNAL CIRCUIT IDENTIFICATION)
- 81 / 15 — CEILING MOUNTED COMBINATION SPEAKER/STROBE (15 = STROBE CANDELA RATING) (81 = SIGNAL CIRCUIT IDENTIFICATION) TAP AT 1/4 WATT (U.O.N.)
- CEILING MOUNTED SPEAKER ONLY (15 = STROBE CANDELA RATING) (81 = SIGNAL CIRCUIT IDENTIFICATION) TAP AT 1/4 WATT (U.O.N.)
- 81 / WP — WALL MOUNTED WEATHERPROOF EXTERIOR SPEAKER MOUNTED +80" AFF. TO BOTTOM OF DEVICE (81 = SIGNAL CIRCUIT IDENTIFICATION) SEE TYPICAL DETAIL 2/EB.5
- BD/T — BEAM DETECTOR TRANSMITTER
- BD/R — BEAM DETECTOR RECEIVER
- CEILING MOUNTED SMOKE DETECTOR
- CEILING MOUNTED HEAT DETECTOR
- HEAT DETECTOR MOUNTED ABOVE CEILING (SEE GENERAL NOTE 5)
- DUCT TYPE SMOKE DETECTOR IN SUPPLY DUCT, SEE DETAIL 1/EB.5 (U.O.N.)
- SD — SMOKE DAMPER CONNECTION, SEE DETAIL 1/EB.5 (U.O.N.)
- FACP — MAIN FIRE ALARM CONTROL PANEL
- FA — REMOTE FIRE ALARM POWER EXTENDER
- KHS — KITCHEN HOOD FIRE SUPPRESSION SYSTEM CONTROL PANEL
- ANN — REMOTE ANNUNCIATOR
- FS — FLOW SWITCH WITH M
- TS — TAMPER SWITCH WITH M
- DSM — DUAL SYNC MODULE (SEE RISER DIAGRAM FOR LOCATION)
- R — ADDRESSABLE RELAY MODULE
- M — ADDRESSABLE MONITOR MODULE
- EOL — END OF LINE RESISTOR

GENERAL NOTES:

1. REFERENCE ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT LOCATION OF ALL WALL MOUNTED DEVICES.
2. REFERENCE E8 AND E8 SERIES SHEETS FOR TYPICAL CONDUIT AND BACKBOX INSTALLATION DETAILS.
3. REFERENCE RISER DIAGRAMS FOR TYPICAL CONDUIT SIZES AND INITIATION ZONE CIRCUIT IDENTIFICATIONS.
4. REFERENCE MECHANICAL PLANS FOR EXACT LOCTION OF ALL DUCT DETECTORS AND SMOKE DAMPER LOCATIONS.
5. UNLESS OTHERWISE NOTED SOLID LINES BETWEEN DEVICES SHALL BE 3/4" EMT. ROUTED CONCEALED ABOVE CEILINGS OR IN WALLS. DASHED LINES INDICATE 3/4" P.V.C. UNDERGROUND CONDUIT. ALL WIRING TO BE PROVIDED PER MANUFACTURER SHOP DRAWINGS.
6. CONTRACTOR SHALL PROVIDE CEILING ACCESS PANEL AT ALL NON-LAYIN TYPE CEILINGS, WHERE HEAT DETECTOR ABOVE CEILING IS INDICATED.
7. PROVIDE WIRE PROTECTIVE GUARD OVER ALL FIRE ALARM DEVICES LOCATED IN THE FOLLOWING AREAS: GYMNASIUM, LOCKER ROOMS, SHOP AREAS, AND ANY OTHER AREA WHERE DEVICES MAY BE SUBJECT TO CONTACT.

KEY NOTES:

1. PROVIDE DEDICATED 120 VOLT CIRCUIT TO PANEL CONNECT TO 'LOCK ON BREAKER'. REFER TO POWER E3 SERIES SHEETS FOR CIRCUIT INFORMATION.
2. PROVIDE CONNECTION TO 'FACP', REFER TO SITE PLAN SHEET E5.0.
3. FIRE/SMOKE DAMPERS ARE SHOWN FOR INFORMATION ONLY, FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR, POWERED (120 VAC) BY ELECTRICAL. REFER TO POWER PLANS E3 SERIES FOR CIRCUIT INFORMATION. FIRE ALARM CONTRACTOR SHALL INTERRUPT 120 VAC AT SOURCE (ELECTRICAL PANEL). ALL FSD'S SHALL CLOSE ON THE RESPECTIVE BUILDING WHEN ANY ALARM IS ACTIVATED ON THE BUILDING.
4. FOR CONTROL OF FIRE/SMOKE DAMPERS (MAXIMUM OF 8 ON EACH RELAY MODULE)

DATE SIGNED JAN 31 2018
JAMES T. SHU — No. 2402 — STRUCTURAL — STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-18

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DIV. OF THE STATE ARCHITECT
04 17039
ACS FLS SS
DATE FEB 01 2018

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APP: 03-124683 INC:
REVIEWED FOR
SS FLS ACS
DATE: 02/06/2025

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OFFICE OF REGIONAL COORDINATION
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ACCESSIBILITY REVIEW
DATE JUN 19 1998
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STRUCT. ENGINEER
JAMES T. SHU — No. 24021 — STRUCTURAL — STATE OF CALIFORNIA
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CHECKED BY

AURORA MODULAR INDUSTRIES
18333 Kramaria Ave., Riverside, Ca. 92504
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FIRE ALARM

BY DATE
SHEET
E1.1
C.A.D. FILE NO.

GENERAL NOTES AND SPECIFICATIONS

SECTION 1A

1. GENERAL

A. The requirements of the General Conditions of the agreement and this General Requirements apply to the several trade sections with the same force as though fully repeated in each trade section.

B. Name brands are indicated to establish a standard of quality. Items of equal or better quality may be substituted for the listed brand named products.

C. All work shall comply with the requirements of Titles 19, and 24 California Code of Regulations. No changes shall be made from D.S.A. approved drawings or specifications without prior written approval of D.S.A. and the District Architect.

2. SCOPE OF WORK

A. The work consists of manufacturing off-site in a plant, and installing on-site, modular relocatable buildings as defined herein and shown and detailed on drawings.

B. All requirements of Title 24 of the State of California Code of Regulations (C.C.R.) relating to inspections and verified reports shall be complied with and shall include:

1. General responsible charge of Field Administration by the Architect of Record.
2. Inspection in-plant during the course of construction by an inspector approved by the Division of the State Architect and the District Architect. The inspector shall be responsible for and approved to inspect the general construction welding, mechanical and electrical work. Cost of these inspections shall be borne by the School District.
3. On site inspection of the building installation electrical and utility of the building installation by an inspector approved by the Division of the State Architect and retained by the School District.
4. Other special tests or inspections as may be required by the Division of the State Architect.

3. WORK NOT INCLUDED

A. All on-site or off-site utilities and the connection of them to the building unless indicated on the drawings.

B. All leveling, grading or other site preparation except concrete or wood leveling strips, where required, unless otherwise indicated on the drawings.

C. Fire alarm system, fire extinguisher, program bell, clock, public address system, intercom system, TV system unless otherwise indicated on the drawings.

4. WHEELS AND HITCH

Shall remain the property of the Contractor.

5. ACCESSIBILITY OF SITE

The School District shall provide access to the site for the installation of buildings. Removal of trees, shrubs, fencing, sprinklers, etc. necessary for the move-in of buildings shall be the responsibility of the School District.

6. GENERAL CONSTRUCTION

A. Structural Frame – Each module shall be designed as a moment frame structure to withstand vertical and horizontal loads and comply with requirements of the Division of the State Architect. The necessary provisions are incorporated in the structure to permit the relocation of the structural frame in sections not exceeding 12 feet in width.

B. Floor – The floor shall be steel framed with a design live load of 50 lbs per square foot unless noted otherwise on drawings.

SECTION 3A CAST IN PLACE CONCRETE

1. SCOPE OF WORK

A. Contractor shall provide all materials, labor and services for concrete work indicated on drawings.

2. MATERIALS

A. Portland Cement – Type 1, standard brand, ASTM C-150

B. Aggregate – Washed sand, gravel, rock ASTM C-33

C. Reinforcing steel – ASTM A615 grade 40, deformed, ASTM-305.

3. WORKMANSHIP

A. Minimum compressive strength at 28 days – 3000 psi; maximum aggregate size 1"; maximum 6.1 gallons of water per sack of cement; minimum of 7.0 sacks of cement per yard; maximum slump 4". Transit mixed concrete shall be used.

SECTION 5A STRUCTURAL AND MISC. STEEL

1. SCOPE OF WORK

Contractor shall provide all materials, labor and as specified and indicated on the drawings. services required for structural and miscellaneous steel

2. MATERIALS

A. Structural Steel Shapes – ASTM A-36, open hearth or electric furnace only, all regular shapes as described in AISC Construction Manual, unless otherwise noted.

B. Cold Formed Light Gauge Steel – ASTM A-570 Grade 33, minimum yield 33,000 PSI.

C. Structural Pipe and Tubing – ASTM AK-500 Grade B.

D. Bolt Material – Bolts and nuts, American Standard Regular, as detailed in AISC Construction Manual, fabricated from structural quality steel, ASTM A-307.

E. Arc-welding Electrodes – Class E-70 Series for welding A-36 steel to A-36 and E-60 Series for welding A-570 steel to A-36, conforming to requirements of the "Structural Welding Code" of American Welding Society, latest edition.

3. WORKMANSHIP

A. GENERAL – All work shall conform to the requirements of AISC Standard Specifications, Title 7 : : 24 of the California Code of Regulations and the American Iron and Steel Institute Specifications for Design of Light Gauge Steel Structural Members.

B. WELDING – All welding done by shielded electric-arc or flux cored-arc process complying with requirements of the "Structural Welding Code" of the American Welding Society. Welding done by operators qualified by tests acceptable to the Division of the State Architect.

C. ERECTION – Structural Steel erected true, straight, plumb and to its designated locations. Field connections bolted or welded as indicated on the drawings.

D. NAILS, BOLTS, SCREWS, NUTS, etc. – for exterior work shall be cadmium plated or galvanized.

E. HANDRAILS – Fabricated as detailed, welds ground smooth.

F. SHOP PAINT –

1. Exposed steel coated with one shop coat
2. Non-exposed steel coated with one shop coat
3. All surfaces thoroughly cleaned by effective means prior to application of shop coats.

G. TESTS –

1. Provide mill certificates or test all members:
2. Welds shall be inspected and/or tested per T-24 Section 2213.5

SECTION 6A CARPENTRY

1. SCOPE OF WORK

Contractor shall provide all labor, materials and services to install carpentry.

2. MATERIALS

Lumber grade marked in accordance with "Standard grading and Dressing Rule No. 16" of West Coast Lumber Inspection Bureau or "Grading Rules for Western Lumber, 3rd Edition" of Western Wood Products Association. Plywood grade marked in accordance with "Product Standard PS 1-95 for Softwood Plywood" of American Plywood Association, complying with UBC Standard 23-2.

A. HEADERS – Hem Fir Stud Grade or better.
B. PLATES – Hem Fir Std. Grade or better.
C. BLOCKING – Hem Fir Stud Grade or better.
D. SILLS AND LUMBER IN CONTACT WITH CONCRETE, MASONRY OR EARTH – Hemlock Fir pressure treated with Wolman Salts, Tanalith U or chromated copper arsenic, grade – 2x4: No. 2 grade – 2x8, cut ends dipped in preservative (Cuponal).
E. PLYWOOD ROOF DECKING – APA C-D grade, Group 1, Exposure 1 with exterior glue. On overhangs, C-C plugged and touch sanded.
F. PLYWOOD FLOOR DECKING – APA STURD-I-FLOOR 48" o.c. 1-1/8" tongue and groove floor sheathing.
G. EXTERIOR SIDING/SHEATHING – APA Type 303, exterior, T-1-11 8" o.c., siding. Sheathing 1/2" CDX.
H. Not used.
I. STUDS AND POSTS – Hem Fir Stud Grade.
J. FASTENERS – All nails shall be corrosion resistant per U.B.C. Standard 2300.
K. BUILDING TRIM – 1x Redwood select H.F. or Masonite.
L. DOOR/WINDOW TRIM – 1x6 Redwood H.F.

3. WORKMANSHIP

A. FRAMING – securely nailed, bridged and blocked to form rigid structure. Work cut, fitted and assembled level, plumb and true to line. Trim in as long lengths as possible with all standing trim in one piece. Trim sealed at all edges.

B. NAILING – In accordance with Title 24 C.C.R. – California Building Code, Table 23A-II-B-1 Nails shall be corrosion resistant box nails.

C. EXTERIOR WALLS – factory fabricated. Caulking provided between perimeter of wall and structural members providing weatherproof and watertight seal. Necessary closures, seals, and flashings placed at top and base support of panels and around openings.

D. MACHINE APPLIED NAILING – shall have prior demonstration and approval by DSA field representative and the architect. The approval is subject to continued satisfactory performance. Plywood shall have a minimum thickness of 3/8". If nailheads penetrate the outer ply more than would be normal for a hand hammer or if minimum allowable edge distances are not maintained, the performance will be deemed unsatisfactory.

E. Not used

F. Trim sealed at all edges. Sealant painted to match trim or siding.

G. Retighten all bolts before closing in.

H. The design moisture content of lumber is 19% or less before fabrication, other revision thru change order will be required.

SECTION 7B SHEET METAL

1. SCOPE OF WORK

Contractor shall provide all labor, materials and services to install indicated sheet metal.

2. MATERIALS

A. SHEET METAL – Steel sheets hot dip galvanized with 1.25 Oz. per square foot zinc coating conforming to ASTM A123. Minimum 26 Ga. unless otherwise noted on the drawings.

B. SOLDER – Of standard brand, Grade "A" of equal parts lead and tin ASTM B32.

C. FLUX – Zinc saturated muriatic acid.

3. WORKMANSHIP

Sheet metal accurately formed to dimensions and shapes detailed with true straight lines, corners and angles. Flashings installed in longest lengths possible. Exterior work formed, fabricated and installed so that it adequately provides for expansion and contraction in the completed work and finishes water and weather tight. Aluminum shall be separated from ferrous metal by polyethylene or flood coat of asphalt paint.

SECTION 7C METAL ROOFING

1. GENERAL

Metal roofing to be 22 Ga. interlocking panels with standing seam. Steel deck shall be galvanized and conform to ASTM A-446 grade A. All fasteners to have neoprene washers.

Metal roofing to be 26 Ga. ribbed gal. sheet metal interlocking panels installed over asphalt base sheet over 3/4" plywood roof deck. All fasteners shall not penetrate metal roof panels.

SECTION 7J SEALANT

1. SCOPE OF WORK

Contractor shall provide all labor, materials and services to seal buildings.

2. MATERIALS

'Vulkem' Sealant, polyurethane, manufactured by MAMECO INTERNATIONAL or approved equal.

Sealant applied to dry clean surfaces, wherever indicated on details and as needed to make building watertight, in accordance with manufacturer's specifications.

SECTION 8B HOLLOW METAL DOORS AND FRAMES

1. SCOPE OF WORK

Contractor shall provide all labor, materials and services to install hollow metal doors & frames.

2. MATERIALS

A. DOORS – Type L full flush, manufactured by Steelcraft Manufacturing company or approved equal, 18 Ga. 1-3/4" thick.

B. FRAMES – 16 Ga. cold rolled, 2" face.

3. WORKMANSHIP

Sheet metal accurately formed to dimensions and shapes detailed with true straight lines, corners and angles. Flashings installed in longest lengths possible. Exterior work formed, fabricated and installed so that it adequately provides for expansion and contraction in the completed work and finishes water and weather tight.

SECTION 8D FINISH HARDWARE

1. SCOPE OF WORK

Contractor shall supply and install finish hardware as specified and as required.

2. DOOR SCHEDULE See shts 1 and 2.

3. SPECIAL REQUIREMENTS

A. Exit doors shall be operable from the interior without key or special knowledge or effort.

B. Closures for exterior doors shall be set for a maximum opening pressure of 8.5 lbs; interior doors shall be set for maximum opening pressure of 5 lbs.

C. Deadbolts not permitted unless operable with a single effort using lever handle.

D. Hardware shall be centered between 30" and 44" above finished floor.

SECTION 9E PAINTING

1. SCOPE OF WORK

Contractor shall provide all labor, materials and services to paint building. All exposed surfaces of building and ramp shall be painted except aluminum window frames and thresholds.

2. MATERIALS

A. For Exterior Wood:

Ref. brand –	VISTA
Primer	4100
Finish	6000

B. For Interior Trim:

Ref. brand –	VISTA
Finish	7000

C. For Metal:

Ref. brand –	VISTA
Finish	7000

3. WORKMANSHIP

A. EXTERIOR – Wood siding, trim and skirting – apply two coats of exterior flat acrylic paint sprayed on.

B. INTERIOR TRIM – Trim not precoated shall be painted with two coats of semi-gloss latex over primer.

C. METAL – All metal surfaces shall be painted with two coats of alkyd finish coat over shop primer.

D. RAMP – One coat of non-skid surfacing.

SECTION 13F SITE ASSEMBLY

1. SCOPE OF WORK

Contractor shall provide all labor, materials and services to prepare the building elements, transport them from the plant to the site and to complete the assembly at the site.

The condition of the site, such as drainage and soil bearing capacity, shall be the responsibility of the School District. Unless specifically called for in the contract, steps, ramps, walkways or handrails shall not be the responsibility of the contractor.

2. ASSEMBLY OF ELEMENTS

A. In a location on the site as determined by the School District, the contractor shall place concrete leveling strips or other suitable supports as detailed on the drawings.

B. The elements shall be brought to the site on wheel assembly and transferred to the prepared site. Great care shall be taken to avoid damage to the elements by rocking or bumping.

C. Connection of the elements together shall be done according to instruction on the drawings. Flashings, trim and other loose items shall be installed per details on the drawings.

SECTION 15A AIR CONDITIONING

1. SCOPE OF WORK

Contractor shall provide all labor, materials and services to install the air conditioning system as shown on the drawings and specifications, including A/C units and accessories, remote thermostat, grills and power wiring complete to load center. Contractor shall instruct owner's operators on operation and maintenance of A/C system.

2. EQUIPMENT See A/C information schedule for size and type.

3. WORKMANSHIP

Units shall be installed complete and operating with all accessories in accordance with the manufacturer's instructions.

SECTION 16A ELECTRICAL

1. SCOPE OF WORK

Contractor shall provide all labor, materials and services for electrical installation complete with associated equipment and fixtures in operating conditions ready for use. The work includes: light and power systems, lighting fixtures complete with lamps, connections and disconnects to A/C equipment.

2. MATERIALS

All new complying with requirements of Calif. Building Code and National Fire Protection Association.

A. ELECTRIC METALLIC TUBING – couplings and flex conduit galvanized or sherardized.

B. PANELBOARDS – flush mounted with hinged doors and indexed card holders.

C. CONDUCTORS – copper, insulated for 600 volts, type THHN for sizes #12 to #6, type THW for larger sizes. Minimum size – #12.

D. RECEPTACLES – General Electric 5242-2 or equal +15".

E. CLOCK RECEPTACLE – Eagle or equal.

F. SWITCHES – General Electric 5901-2 or equal +48"

G. LIGHTING FIXTURES – 2'x 4' fluorescent drop in type fixtures with 35 watt lamps and energy saving ballast.

3. WORKMANSHIP

Materials and equipment installed in a secure, neat, workmanlike manner in accordance with code requirements. Panel board cards filled out. Conduit and cable installed in wall and ceiling spaces. Work piercing waterproofed areas flashed and sealed to a watertight condition.

NAILING SCHEDULE

Joists or rafters to sides of studs 8" joist or less	(3)–16d
for each additional 4" in depth of joist	(1)–16d
Bridging to joist, toenails each end	(2)–8d
a. blocking between joists or rafters toenails each side, each end	(2)–10d
b. blocking between studs, each end	(2)–16d or (2)–10d toenails
Sole plate to joist or blocking face nail	16d @ 16" o.c.
Top plate to stud, end nail	(2)–16d
Stud to sole plate	(4)–8d toenail or (2)–16d endnail
Double studs, face nail	16d @ 24" o.c.
Double top plates, face nail	16d @ 16" o.c.
Continuous header, two pieces	16d @ 16" o.c. along each edge
Ceiling joists to plate, toenail	(3)–8d
continuous header to stud, toenail face nail,	(4)–8d
Ceiling joists, laps over partitions, face nail,	(3)–16d
Ceiling joists to parallel rafters,	(3)–16d
Joists or rafters at all bearings, toenails each side,	(2)–10d
1" brace to ea. stud and plate, face nail	(2)–8d
Built up corner studs	16d @ 24" o.c.

PLYWOOD

Subfloor, roof and wall sheathing to framing:

1/2" and less	$6d^2$
19/32" – 3/4"	$8d^3$ or $6d^2$
7/8" – 1"	$8d^3$
1-1/8" – 1-1/4"	$10d^3$ or $8d^2$

Combination subfloor/underlayment to framing:

3/4" or less	$6d^2$
7/8" – 1"	$8d^3$
1-1/8" – 1-1/4"	$10d^3$ or $8d^2$

Panel siding to framing:

5/8"	$6d^6$
1/2" or less	$8d^6$

1. Common or box nails may be used except where otherwise stated.
2. Deformed shank.
3. Common
4. Not used
5. Nails spaced at 6" o.c. at edges, 12" o.c. at intermediate supports (10" at intermediate supports for floors), except 6" o.c. at all supports where spans are 48" or more. For nailing of plywood diaphragms and shear walls, refer to Section 2314A. Nails for wall sheathing may be common or box.
6. Corrosion resistant siding or casing nails conforming to the req. of Section 2320A.
7. Fasteners spaced 3" o.c. at ext. edges and 6" o.c. at intermediate supports.
8. Corrosion resistant roofing nails with 7/16" dia. head and 1-1/2" length for 1/2" sheathing and 1-3/4" length for 25/32" sheathing conforming to the requirements of Section 2322.2.
9. Corrosion resistant staples with nominal 7/16" crown and 1-1/8" length for 1/2" sheathing and 1-1/2" length for 25/32" sheathing conforming to the requirements of Section 2317.
10. When possible, nails driven perpendicular to the grain shall be used instead of toenails.

NOTE:
PREPARATION FOR SUB FLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR. 1 1/8" PLYWOOD SUB-FLOOR IS PLUGGED AND TOUCH SANDED, ANY DEFORMITIES SHALL BE FILLED AND SANDED BY THE FLOORING CONTRACTOR. THE JOINT AT THE MODULE JOINING SHALL NOT BE LARGER THAN 1/8" AND SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR.

SPECIAL NOTE:
ALL FINISHES SHALL COMPLY WITH C.B.C. CHAPTERS 3,7,8, & 10 C.F.C. & TITLE 19 C.C.R.

CBC 1998
PC

DATE SIGNED JAN 31 2018

JAMES T. SIMPSON No.3602 REGISTERED PROFESSIONAL ENGINEER STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-18

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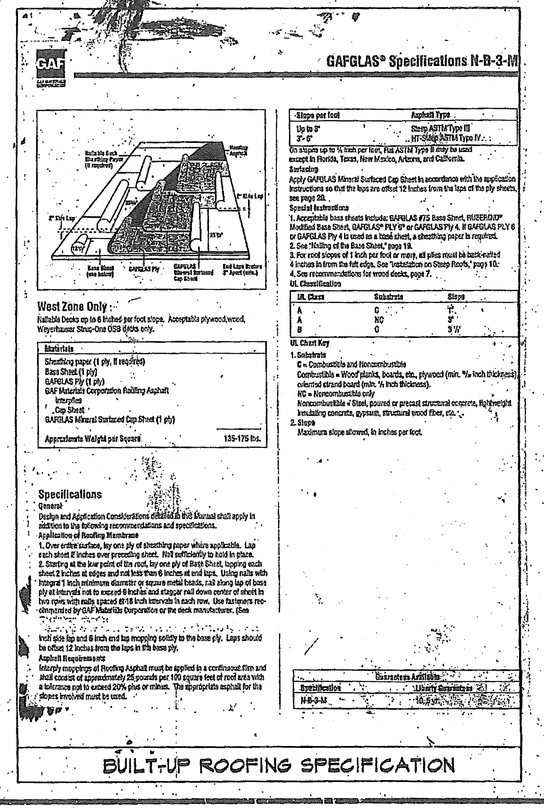
DATE FEB 01 2018



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DATE: 02/06/2025

D.S.A. OFFICE OF REGULATION SERVICES
DATE JUN 22 1998

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REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No. 3602 STRUCTURAL STATE OF CALIFORNIA
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GENERAL NOTES SPECIFICATIONS.

BY DATE

SHEET 2

C.A.D. FILE NO.

DOOR SCHEDULE

DOOR NO.	DOOR SIZES	TYPE	DOOR TYPE	GLASS	MINIMUM RATING	FRAME TYPE	HARDWARE GROUP	DOOR SPECIFICATION
1	3'-0" x 6'- 8" x 1 3/4"	A	STL			A	1	18 GA. FULL FLUSH
2	3'-0" x 6'- 8" x 1 3/4"	A	STL			A	2	

(HwSet 001)
1 SGL DOOR(S) 02 TO
3'0" x 7'0" x 1-3/4" x HMD x HMF x NON-RTD
EXT CLASSROOM DOORS
(1) 1 EA HOLLOW METAL FRAME C KD 3070 6-1/4" 16GA 345 ASA CR PRI CUR
(1) 1 EA HOLLOW METAL DOOR 507 3070 1-3/4 18GA 345 161 FLUSH CR PRI CUR
(3) 3 EA HINGES BB1191 4-1/2" X 4-1/2" NRP 626 HAG
(1) 1 EA CLASSROOM SEC LOCK ND75LD RHO 2-3/4 ASA 626 SCH
(1) 1 EA ND SERIES CYLINDER 23-065-C123 1-BITED 626 SCH
(1) 1 EA SURFACE CLOSER SC81 DEL FC RW/PA 689 FAL
(1) 1 EA KICK PLATE 190S 10" X 34" 630 HAG
(1) 1 EA HEAD & JAMB SEAL 891S 36" X 84" VINYL MIL HAG
(1) 1 EA DOOR SHOE 783S - 36" VINYL MIL HAG
(1) 1 EA THRESHOLD 413S - 36" MIL HAG

Heading 002 (HwSet 002)
1 SGL DOOR(S) 09 TO
3'0" x 7'0" x 1-3/4" x WD x HMF x NON-RTD
INT RESTROOM DOORS
(1) 1 EA HOLLOW METAL FRAME C KD 3070 6-5/8" 16GA 345 ASA CR PRI CUR
(1) 1 EA WOOD DOOR LEG WAL 3070 1-3/4 SC CUR 345 161 B/LOUV 14"UP&CTR ABS
(1) 1 EA FIXED BLADE LOUVER AFDL 24" X 12" 695 ANE
(3) 3 EA HINGES BB1279 4-1/2" X 4-1/2" 652 HAG
(1) 1 EA PRIVACY ND40S RHO 2-3/4 ASA 626 SCH
(1) 1 EA KICK PLATE 190S 10" X 34" 630 HAG

HW SET 003
(1) EA HOLLOW METAL FRAME C KD 3070 6 5/8" 16 GA 345 ASA CR PRI CUR
(1) EA WOOD DOOR LEG WAL 3070 1 3/4 SC CUR 345 161 B FLUSH ABS
(2) EA HINGES BB 1279 4-1/2" X 4 1/2" 652 HAG
(1) EA ENTRY LOCK ND53 LD RHO 2 3/4 ASA 626 SCH
(1) EA ND SERIES CYLINDER 23-065-C 123 1-BITED 626 SCH

WINDOW SCHEDULE

	WINDOW SIZES	FRAME	GLAZING TYPE	SPECIAL NOTES
A	8'-0" x 4'-0"	AL	1 & 5	ALUMINUM FRAMED SCREENS ON OPERABLE SASH.
B				
C				
D				
E				
D				

EXTERIOR FINISH

MAT'L	DESC.	MFG.	SPECIFICATION
SIDING	4' x 9' x 5/8"	DURATEMP	APA RATED OR EQUAL, GROUP 1, TYPE 303 EXTERIOR SIDING
ROOFING	BUILT-UP	GAFGLAS	N-B-3-M (SEE SPEC. ON SHEET 9)
	26 Ga.	PLACER	
	22 Ga.	CAL. STEEL	
TRIM	WOOD 1"x4"	RESAWN	@ DOORS

INTERIOR FINISH SPECIFICATIONS

	ITEM	DESCRIPTION
FLOOR	CARPET	COMPLYING WITH THE STATE OF CALIF. SPEC. 7220-21K-01 GROUP I TYPE A, CLASS 24, DENSITY 1600, DIRECT GLUE DOWN. (SEE NOTE BELOW)
FLOOR	SHEET VINYL	ARMSTRONG CLASSIC CORLON SHEET VINYL .085 GAUGE WITH 6" COVE BASE. COEFFICIENT OF FRICTION 0.5 MIN. (ASTM D2047)
FLOOR	VCT	VINYL COMPOSITION TILE WITH 4" TOP SET BASE. COEFFICIENT OF FRICTION 0.5 MIN. (ASTM D2047)
CLG	SUSPENDED	ARMSTRONG 769 CEILING TILE (FLAME SPREAD CLASS I) WITH ARMSTRONG HEAVY DUTY GRID. MAIN RUNNERS T801, CROSS RUNNERS-XL T328 OR XL 8223
CLG	GYP. BOARD	1/2" MP. GYP.BOARD TAPED AND PAINTED
WALLS	VINYL	1/2" VINYL COVERED TACK BOARD (FLAME SPREAD CLASS I) OVER 1/2" GYP BOARD.
WALLS	F. R. P.	1/8" FULL HEIGHT FIBERGLASS REINFORCED PANELS (FRP) OVER OVER 1/2" WATERPROOF GYP BOARD PANELS.
CHALKBOARD		1/2" PARTICLE BOARD SUBSTRATE, FULL WIDTH MAP RAIL WITH CORK INSERT AND SIX MAP HOOKS, EXTRUDED ALUMINUM MOLDING WITH FLAG HOLDER.
MARKERBOARD		1/2" PARTICLE BOARD SUBSTRATE, FULL WIDTH MAP RAIL WITH CORK INSERT AND SIX MAP HOOKS, EXTRUDED ALUMINUM MOLDING WITH FLAG HOLDER.

INTERIOR FINISH SCHEDULE

24 X 40 CLASSROOM

ROOM DESC. ROOM NO.	FLOOR	CEILING	WALLS	MISC.
LOCKER	SHEET VINYL	SUSPENDED	VINYL	
KITCHEN	SHEET VINYL		FRP	
RESTROOM	SHEET VINYL	GYP. BOARD	FRP	

INTERIOR FINISH SCHEDULE

36 X 40 CLASSROOM

ROOM DESC. ROOM NO.	FLOOR	CEILING	WALLS	MISC.
CLASSROOM		SUSPENDED	VINYL	

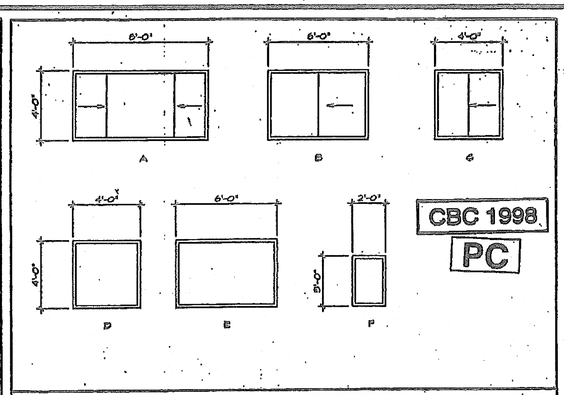
INTERIOR FINISH SCHEDULE

48 X 40 CLASSROOM

ROOM DESC. ROOM NO.	FLOOR	CEILING	WALLS	MISC.
CLASSROOM	CARPET (COLLINS ACHMAN)	SUSPENDED	VINYL	MARKERBOARD (PORCLEIN)
RESTROOM	SHEET VINYL	SUSPENDED	FRP	

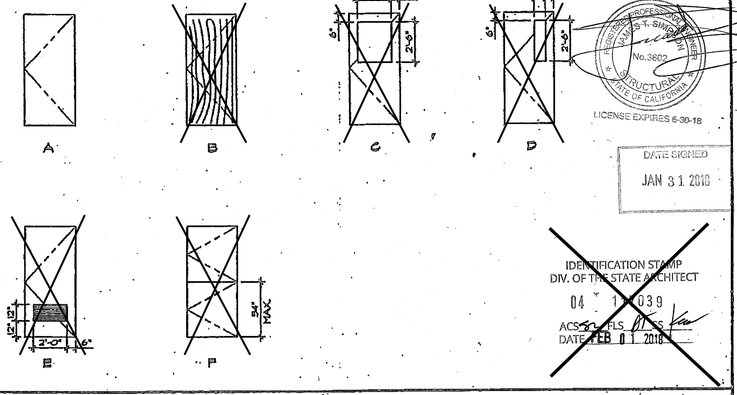
A/C INFORMATION

MANUFACT.	MARVAIR	MANUFACT.	MARVAIR	MANUFACT.	MARVAIR
MODEL	AVP42HPA	MODEL	AVP60HPA	MODEL	AVP42HPA
SIZE	3.5 TON (1 UNIT)	SIZE	5 TON (1 UNIT)	SIZE	3.5 TON (2 UNITS)
SUPPLY	DUCTED	SUPPLY	DUCTED	SUPPLY	DUCTED
RETURN	DIRECT	RETURN	DIRECT	RETURN	DIRECT
HEAT STRIP	SEE SHT. E1.0	HEAT STRIP	SEE SHT. E1.1	HEAT STRIP	SEE SHT. E1.2
ELECTRICAL	SEE SHT. E1.0	ELECTRICAL	SEE SHT. E1.1	ELECTRICAL	SEE SHT. E1.2
24' X 40' CLASSROOM		36 X 40 CLASSROOM		48 X 40 CLASSROOM	

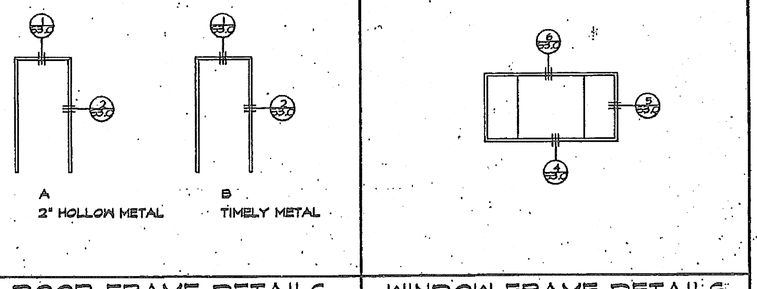


CBC 1998
PC

WINDOW TYPES



DOOR TYPES



DOOR FRAME DETAILS

WINDOW FRAME DETAILS

FRAME, DOOR & GLAZING TYPES

FRAME LEGEND
AL - ALUMINM
HM - HOLLOW METAL
MF - WELDED FRAME

DOOR LEGEND
STL - 18GA STEEL DOOR
SCH - SOLID CORE WOOD

GLAZING TYPES
1 - 46% TEMPERED GRAYLITE GLAZING
2 - 14% TEMPERED GRAYLITE GLAZING
3 - CLEAR TEMPERED
4 - SINGLE PANE
5 - DUAL PANE

D.S.A. APPROVED JUN 19 1998

D.S.A. PORTION 1

STRUCT. ENGINEER

LICENSE EXPIRES 6-30-17/2000

ARCHITECT

LICENSE EXPIRES 6-30-18

DATE SIGNED JAN 31 2018

CHANGE ORDER

CHECKED BY

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 11 039
ACS FLS
DATE FEB 01 2018

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS FLS ACS
DATE: 02/06/2025

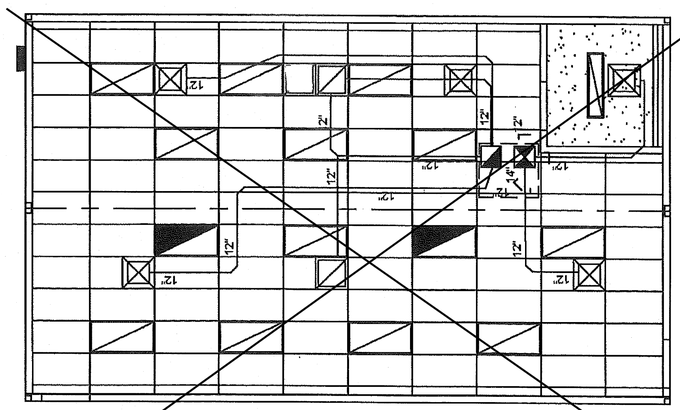
AURORA MODULAR INDUSTRIES
18333 Kramaria Ave., Riverside, CA. 92504
Phone (909) 783-7196
Fax (909) 783-4253

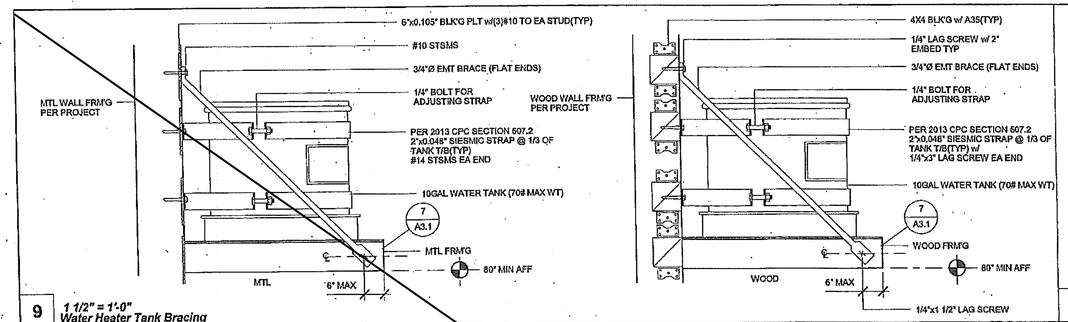
DOOR SCHEDULE
WINDOW SCHEDULE
FINISH SCHEDULES

BY DATE

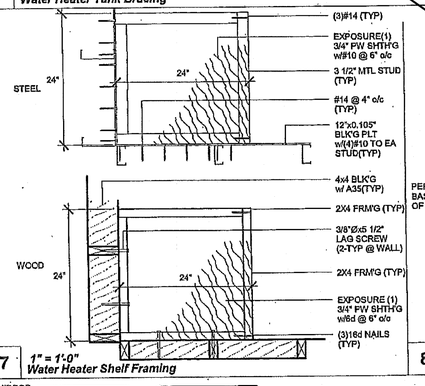
SHEET 9

C.A.D. FILE NO.

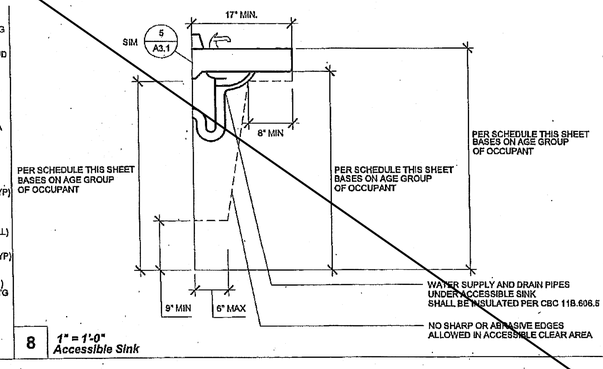

12"
2"
12"
12"
12



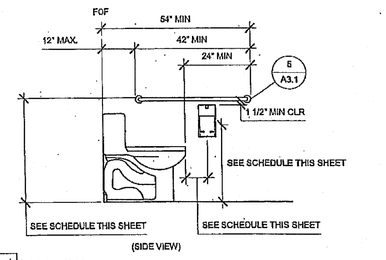
9 *1 1/2" = 1'-0"*
Water Heater Tank Bracing

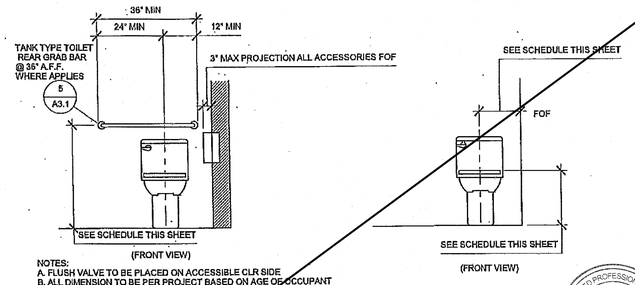


7 *1" = 1'-0"*
Water Heater Shelf Framing



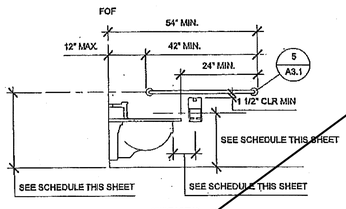
8 *1" = 1'-0"*
Accessible Sink

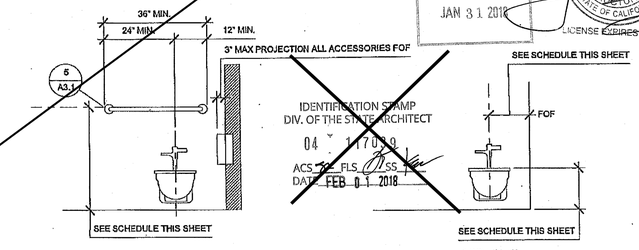




NOTES:
A. FLUSH VALVE TO BE PLACED ON ACCESSIBLE CLR SIDE
B. ALL DIMENSION TO BE PER PROJECT BASED ON AGE OF OCCUPANT
C. ALL DIMENSION PER ADA
- STANDARD DIMENSIONS SHALL NOT BE USED IN SIGLE OCC. BATHROOM

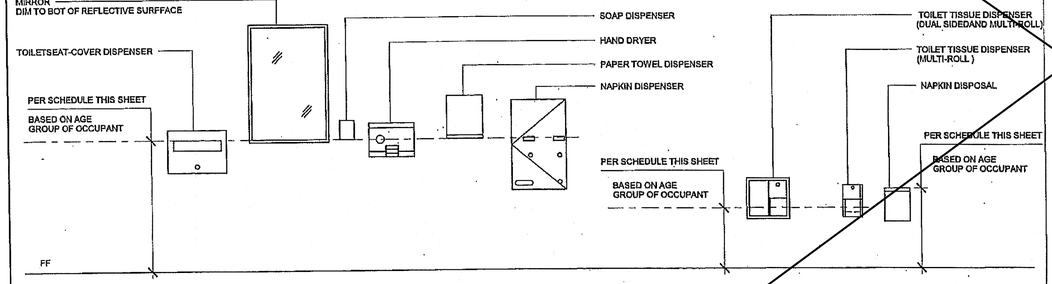
4 *1/2" = 1'-0"*
Tank Toilet





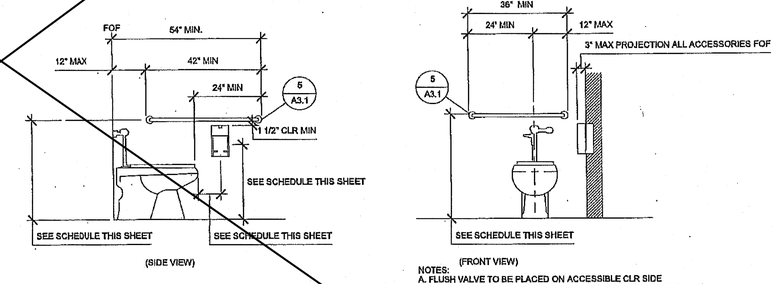
NOTES:
A. FLUSH VALVE TO BE PLACED ON ACCESSIBLE CLR SIDE
B. ALL DIMENSION TO BE PER PROJECT BASED ON AGE OF OCCUPANT
C. ALL DIMENSION PER ADA
- STANDARD DIMENSIONS SHALL NOT BE USED IN SIGLE OCC. BATHROOM

3 *1/2" = 1'-0"*
Wall Mounted Toilet



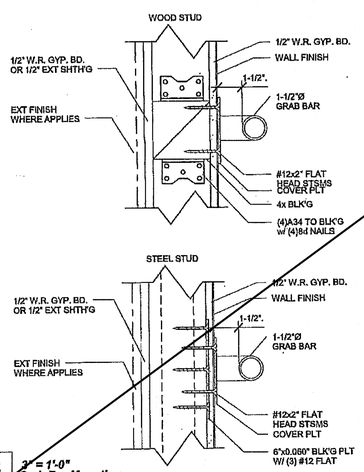
MAXIMUM 3" PROJECTION FOR ALL ACCESSORIES (UNO)

6 *1/2" = 1'-0"*
Mounting Heights



NOTES:
A. FLUSH VALVE TO BE PLACED ON ACCESSIBLE CLR SIDE
B. ALL DIMENSION TO BE PER PROJECT BASED ON AGE OF OCCUPANT
C. ALL DIMENSION PER ADA
- STANDARD DIMENSIONS SHALL NOT BE USED IN SIGLE OCC. BATHROOM

2 *1/2" = 1'-0"*
Floor Mounted Toilet

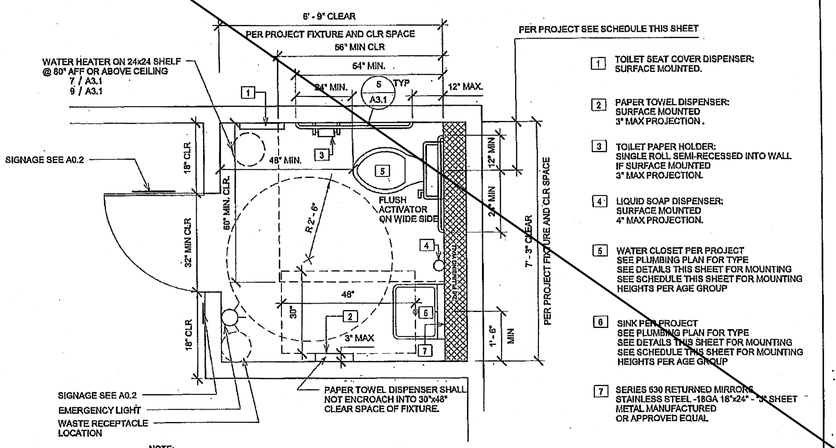


5 *3" = 1'-0"*
Grab Bar Mounting

RECOMMENDED ACCESSIBLE MOUNTING HEIGHT PER CBC TABLE 11B609.4

TYPE	☒	☐	☐	☐	☐
AGE GROUP	ADA ADULT	AGE 13 AND UP	AGES 9 THROUGH 12	AGES 5 THROUGH 8	AGES 3 AND 4
TOILET CENTERING FROM WALL	17" - 18"	17" - 18"	15" - 18"	12" - 15"	12"
TOILET SEAT HEIGHT	17" - 19"	17" - 19"	15" - 17"	12" - 15"	11" - 12"
TOILET FRONT CLEARANCE	48"	48"	48"	48"	48"
GRAB BAR HEIGHT (TOP OF BAR)	33" - 36"	33" - 36"	25" - 27"	20" - 25"	18" - 20"
TOILET PAPER IN FRONT OF TOILET	6" MAX.	7" - 9"	7" - 9"	7" - 9"	7" - 9"
TOILET PAPER DISPENSER HEIGHT (CENTER)	19" MIN.	19" MIN.	17" - 19"	14" - 17"	14"
NAPKIN DISPOSAL IN FRONT OF TOILET	12" MAX.	12" MAX.	12" MAX.	N/A	N/A
NAPKIN DISPOSAL HEIGHT (TO TOP)	25"-30"	25"-30"	25"-30"	N/A	N/A
MIRROR HEIGHT (TO REFLECTIVE SURFACE)	40" MAX.	40" MAX.	40" MAX.	35" MAX.	32" MAX.
TOILET SEAT COVER DISPENSER HEIGHT	40"	40"	40"	30"	32"
*SINK (TOP)	34" MAX.	34" MAX.	34" MAX.	31" MAX.	*24" MAX.
*SINK (BOT)	29" MIN	29" MIN.	27" MIN.	24" MIN.	19" MIN.
SOAP DISPENSER	40" MAX.	40" MAX.	40" MAX.	35" MAX.	32" MAX.
HAND DRYER (TO CENTER)	40" MAX.	40" MAX.	40" MAX.	35" MAX.	32" MAX.
NAPKIN DISPENSER HEIGHT (TO CENTER)	40" MAX.	40" MAX.	40" MAX.	N/A	N/A
PAPER TOWEL DISPENSER HEIGHT	40" MAX.	40" MAX.	40" MAX.	35" MAX.	32" MAX.

*SINK SHALL ACCOMMODATE SIDE APPROACH w/ 30x48 CLR SPACE
*SEE DETAIL THIS SHEET FOR DIMENSIONS AND NOTES ON KNEE AND TOE CLEARANCE



PER PROJECT SEE SCHEDULE THIS SHEET

1 TOILET SEAT COVER DISPENSER: SURFACE MOUNTED.

2 PAPER TOWEL DISPENSER: SURFACE MOUNTED 3" MAX PROJECTION .

3 TOILET PAPER HOLDER: SINGLE ROLL SEMI-RECESSED INTO WALL IF SURFACE MOUNTED 3" MAX PROJECTION.

4 LIQUID SOAP DISPENSER: SURFACE MOUNTED 4" MAX PROJECTION.

5 WATER CLOSET PER PROJECT SEE PLUMBING PLAN FOR TYPE SEE DETAILS THIS SHEET FOR MOUNTING SEE SCHEDULE THIS SHEET FOR MOUNTING HEIGHTS PER AGE GROUP

6 SINK PER PROJECT SEE PLUMBING PLAN FOR TYPE SEE DETAILS THIS SHEET FOR MOUNTING SEE SCHEDULE THIS SHEET FOR MOUNTING HEIGHTS PER AGE GROUP

7 SERIES 630 RETURNED MIRRORS STAINLESS STEEL -18GA 16"x24" - 1" SHEET METAL MANUFACTURED OR APPROVED EQUAL

NOTE:
ON NON-RECIRCULATING SYSTEMS HOT WATER LINE INSULATION TO BE INSTALLED @ FIRST 8' FROM THE WATER HEATER

WHEN RE-CIRCULATING SYSTEMS ARE USED - ALL HOT WATER LINES TO BE INSULATED .

1 *1/2" = 1'-0"*
Accessible Single Occ Bathroom Plan

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

D.S.A.
JUN 19 1900

D.S.A.
PORTION: 1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC: 1
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

STRUCT. ENGINEER
JAMES T. SIMPSON
No. 3107
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-18

DATE SIGNED
JAN 31 2018

ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117078
ACS ☑ FLS ☑ SS ☑
DATE FEB 01 2018

CHANGE ORDER

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AURORA MODULAR INDUSTRIES
16833 Kramer Ave., Riverside, CA. 92504
Phone (909) 783-7166
Fax (909) 783-0203

PLUMBING

BY DATE

SHEET
P.1

CAD. FILE NO.

© 2009 Aurora Modular Industries

BUILDING CODES AND STANDARDS

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24, CCR
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, CCR
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24, CCR
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, CCR
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, CCR)
2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24, CCR
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, CCR
2022 CALIFORNIA EXISTING BUILDING STANDARDS CODE (CEBC), PART 10, TITLE 24
2022 CALIFORNIA GREEN BUILDING STANDARD CODE (CALGREEN), PART 11, TITLE 24 CCR
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, CCR
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS

APPLICABLE STANDARDS

FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CHAPTER 35 AND CFC CHAPTER 80.

SKC COMPANY
15345 FAIRFIELD RANCH RD - SUITE 160 CHINO HILLS, CA 91709
OFFICE: (909) 740-3120, FAX: (909) 726-9470
WEBSITE: WWW.SKCCOMPANY.COM
MANUFACTURER #MF1279666 DEALER # DL1279666
GC LIC # 992118 SBE CERTIFIED

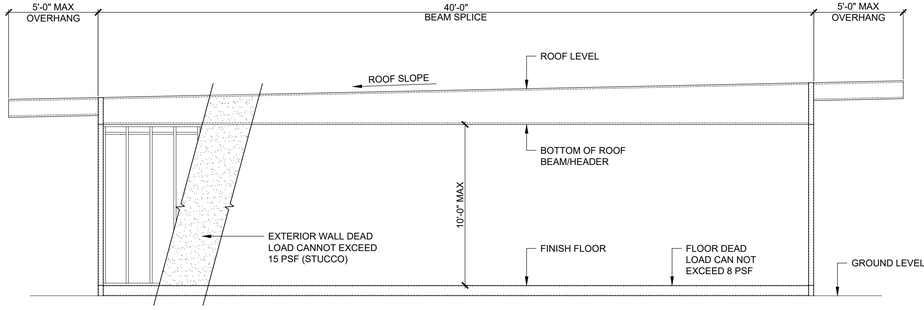
2022 CBC
DSA UNIVERSAL WOOD FOUNDATION SYSTEM
EXISTING ~~12'X40'~~, 24'X40', ~~36'X40' OR 48'X40'~~ STOCKPILE BUILDINGS
RISK CATEGORY II
PC 04-122170

PC FOUNDATION LIMITATIONS

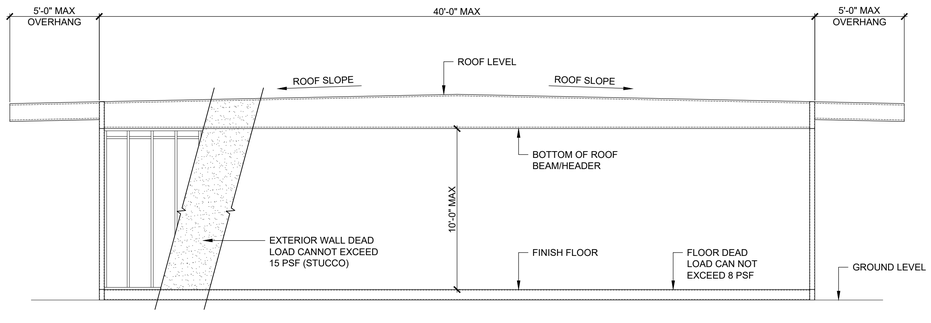
THIS WOOD FOUNDATION PC IS DESIGNED TO SUPPORT THE SUPERSTRUCURE FOR DSA APPROVED MODULAR BUILDINGS. THE DESIGN CALCULATIONS ARE BASED ON THE FOLLOWING:

1. A ROOF OVERHANG OF 5'-0" MAX
2. A WALL HEIGHT OF 10'-0" MAX (FROM FINISH FLOOR IN THE BUILDING TO THE BOTTOM OF THE STEEL ROOF BEAMS/HEADER)
3. WALL DEAD LOAD OF 15 PSF (STUCCO)
4. FLOOR DEAD LOAD OF 8 PSF
5. SEE DESIGN DATA ON THIS SHEET FOR THE S_{DS} LIMITATIONS FOR THE SITE

THE TYPICAL ELEVATIONS BELOW ARE TO CLARIFY THESE LIMITATIONS. DOCUMENTATION SHALL BE PROVIDED BY THE ARCHITECT OR ENGINEER IN GENERAL RESPONSIBLE CHARGE WHICH NEEDS TO BE REVIEWED AND APPROVED BY THE DSA STRUCTURAL PLAN REVIEWER



SINGLE SLOPE BUILDING
SCALE: 1/4" = 1'-0"



DUAL SLOPE BUILDING
SCALE: 1/4" = 1'-0"

DESIGN DATA FOR 24'X40', ~~36'X40' & 48'X40'~~

DESIGN DATA:
ROOF LIVE LOAD = 20 PSF REDUCIBLE FOR TRIBUTARY AREA
FLOOR LIVE LOAD = 50 PSF & 50+15 PSF PARTITIONS (WHERE NOTED)
SNOW LOAD: PROJECT IS NOT LOCATED IN A SNOW REGION.
WIND SPEED (Vult) = 130 MPH, EXPOSURE "C", Kzt = 1.0

SEISMIC DESIGN DATA:
SEISMIC CATEGORY II
I = 1.0
S_S = 3.09
S_1 = 1.21
SITE CLASS = D (DEFAULT) AND C
S_{DS} = 2.47

FOUNDATION PC IS LIMITED TO SITES WITH AN Ss = 3.0857 AND Sl = 1.21 OR LESS. SITE SPECIFIC DOCUMENTATION JUSTIFYING Ss AND Sl SHALL BE SUBMITTED TO DSA FOR REVIEW PRIOR TO APPROVAL OF SITE SPECIFIC PLANS

S_{D1} = 1.37
C_{S2} = 0.49 (LRFD), (30% REDUCTION IS SDS APPLIED PER ASCE 7-16 12.8.1.3) (ASD FORCE LEVEL)
R = 3.5
ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE NO HORIZONTAL OR VERTICAL IRREGULARITIES PRESENT

SEISMIC DESIGN CATEGORY = E
BASIC SEISMIC-FORCE-RESISTING SYSTEM = STEEL MOMENT FRAME
DESIGN BASE SHEAR
(24X40 BLDG) = 29901#, LRFD
~~(36X40 BLDG) = 42102#, LRFD~~
~~(48X40 BLDG) = 54463#, LRFD~~

FLOOD DESIGN DATA:
PROJECT IS NOT LOCATED IN A FLOOD ZONE
COMPLY WITH DSA PR-14-01 SECTION 2.2 FOR REQUIRED DOCUMENTATION.

ALLOWABLE SOIL BEARING:
1000 PSF

WILDLAND URBAN INTERFACE (WUI) AREAS:
THIS PC IS NOT APPROVED FOR WUI AREAS. THE SITE SPECIFIC PLAN REVIEWER SHALL IDENTIFY THE MATERIALS USED ON THIS PC FOR THE DESIGN PROFESSIONAL TO DEMONSTRATE COMPLIANCE WITH CHAPTER 7A

DESIGN DATA FOR 12'X40'

DESIGN DATA:
ROOF LIVE LOAD = 20 PSF REDUCIBLE FOR TRIBUTARY AREA
FLOOR LIVE LOAD = 50 PSF & 50+15 PSF PARTITIONS (WHERE NOTED)
SNOW LOAD: PROJECT IS NOT LOCATED IN A SNOW REGION.
WIND SPEED (Vult) = 110 MPH, EXPOSURE "C", Kzt = 1.0

SEISMIC DESIGN DATA WITH Ss = 3.0857
SEISMIC CATEGORY II
I = 1.0
S_S = 3.09
S_1 = 1.21
SITE CLASS = D (DEFAULT)
S_{DS} = 2.472
FOUNDATION PC IS LIMITED TO SITES WITH AN Ss = 3.0857 AND Sl = 1.21 OR LESS. SITE SPECIFIC DOCUMENTATION JUSTIFYING Ss AND Sl SHALL BE SUBMITTED TO DSA FOR REVIEW PRIOR TO APPROVAL OF SITE SPECIFIC PLANS

S_{D1} = 1.37
C_{S2} = 0.918 (LRFD)
R = 3.5
ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE NO HORIZONTAL OR VERTICAL IRREGULARITIES PRESENT

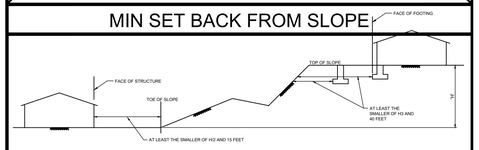
SEISMIC DESIGN CATEGORY = E
BASIC SEISMIC-FORCE-RESISTING SYSTEM = STEEL MOMENT FRAME
DESIGN BASE SHEAR (12X40 BUILDING) = 22724 #, LRFD (ROOF, FLOOR, WALLS & PARTITIONS)

FLOOD DESIGN DATA:
PROJECT IS NOT LOCATED IN A FLOOD ZONE
COMPLY WITH DSA PR-14-01 SECTION 2.2 FOR REQUIRED DOCUMENTATION.

ALLOWABLE SOIL BEARING:
1000 PSF

WILDLAND URBAN INTERFACE (WUI) AREAS:
THIS PC IS NOT APPROVED FOR WUI AREAS. THE SITE SPECIFIC PLAN REVIEWER SHALL IDENTIFY THE MATERIALS USED ON THIS PC FOR THE DESIGN PROFESSIONAL TO DEMONSTRATE COMPLIANCE WITH CHAPTER 7A

MIN SET BACK FROM SLOPE



SHEET INDEX

SHEET NO.	STRUCTURAL
F-1	COVER SHEET
F-1A	APPLICATION NUMBERS
F-1B	APPLICATION NUMBERS
F-2A	24X40 PLAN
~~F-2B~~	~~24X40 PLAN PACESETTER INDUSTRIES~~
~~F-2C~~	~~24X40 PLAN AMERIGAN MODULAR SYOTEM~~
~~F-3A~~	~~36X40 PLAN~~
~~F-3B~~	~~36X40 PLAN PACESETTER INDUSTRIES~~
~~F-3C~~	~~36X40 PLAN AMERIGAN MODULAR SYOTEM~~
~~F-4A~~	~~48X40 PLAN~~
~~F-4B~~	~~48X40 PLAN PACESETTER INDUSTRIES~~
~~F-4C~~	~~48X40 PLAN AMERIGAN MODULAR SYOTEM~~
F-5	DETAILS
~~F-6~~	~~NOTES / DETAILS~~
~~F-7A~~	~~12X40 PLAN~~
~~F-7B~~	~~12X40 PLAN PACESETTER INDUSTRIES~~
~~F-7C~~	~~12X40 PLAN AMERIGAN MODULAR SYOTEM~~
F-8	UNDER-FLOOR VENTILATION CALCULATION FOR MULTI-WIDE UNITS
F-9	SPECIFICATIONS

TOTAL SHEET COUNT: ~~10~~ 7

STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

SKC COMPANY
15345 FAIRFIELD RANCH RD - SUITE 160 CHINO HILLS, CA 91709
OFFICE: (909) 740-3120, FAX: (909) 726-9470
WEBSITE: WWW.SKCCOMPANY.COM
MANUFACTURER #MF1279666 DEALER # DL1279666
GC LIC # 992118 SBE CERTIFIED

ALL DESIGNS INDICATED ON THESE PLANS/DRAWINGS ARE PROPERTY OF SKC, INC AND ARE FOR THE USE BY SKC IN THE SPECIFIED JOB ONLY. THEY SHALL NOT BE USED AND/OR DUPLICATED OR TRANSMITTED IN ANY FORM, FOR ANY PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF SKC, INC. ANY UNAUTHORIZED USE OF THESE PLANS SHALL SUBJECT THE OWNER OF SAID PROPERTY TO LIQUIDATED DAMAGES OF $75,000.00. THESE PLANS ARE PROTECTED UNDER THE PROVISIONS OF THE 1976 COPYRIGHT ACT COPYRIGHT SKC, © ALL RIGHTS RESERVED.

DISTRICT/CUSTOMER NAME:
VENTURA USD

SCHOOL/SITE NAME:
VENTURA HIGH SCHOOL

SHEET TITLE:

COVER SHEET

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122170 PC
REVIEWED FOR
SS ☐ FLS ☑ ACS ☑ CG ☐
DATE: 09/22/2023

PROFESSIONAL OF RECORD ON PC

ORION
Structural Engineering, Inc.
11305 RANCHO BERNARDO RD SUITE 121
SAN DIEGO CA, 92127
PHONE (858) 679-1974

BRIAN J. DOSE
No. S-6437
EXP. 12/31/24
STRUCTURAL
STATE OF CALIFORNIA

FIRM: Orion Structural Engineering, Inc.
ADDRESS: 11305 Rancho Bernardo Road Ste 121
CITY: San Diego, CA
PHONE: 858-679-1974

PROJECT SPECIFIC PROFESSIONAL OF RECORD

FIRM:
ADDRESS:
CITY:
PHONE:

REVISIONS
1 -
2 -
3 -
4 -
5 -

PROJECT NO.:	00-0000
DRAFTER:	00
SCALE:	AS NOTED
DATE:	00-00-00

SHEET NUMBER
F-1

9/19/2023 10:48:21 AM

* BUILDING FLOOR LOAD CAN BE HIGHER THAN THE FOUNDATION DESIGN LOAD IF BUILDING OCCUPANCY IS "B" OR "E". THE FLOOR LOAD MAY HAVE BEEN STIFFENED TO A HIGHER FLOOR LOAD.

APPROVED A NUMBERS APPLICABLE TO THIS PC PLAN

MANUFACTURER OF MODULAR BUILDING	DSA A NUMBER OF MODULAR BUILDING	BASED ON PC	YEAR OF APPROVAL OF MODULAR BUILDING	MODULAR BUILDING SIZE	DESIGN FLOOR LIVE LOAD
AMERICAN MODULAR SYSTEMS	68570	314	1997	24x40	50
AMERICAN MODULAR SYSTEMS	02-101837	02-101488	2000	24x40	50
AMERICAN MODULAR SYSTEMS	02-102602	02-101835	2000	48x40	50
AMERICAN MODULAR SYSTEMS	02-103013	02-101837	2001	24x40	50
AMERICAN MODULAR SYSTEMS	02-103457	02-101837	2001	24x40	50
AMERICAN MODULAR SYSTEMS	02-105168	02-101837	2003	24x40	70
AMERICAN MODULAR SYSTEMS	02-105877	02-104917	2003	48x40	50
AMERICAN MODULAR SYSTEMS	02-106009	02-104915	2004	24x40	50
AMERICAN MODULAR SYSTEMS	02-106010	02-104917	2006	48x40	50
AMERICAN MODULAR SYSTEMS	02-106049	02-104915	2004	24x40	50
AMERICAN MODULAR SYSTEMS	02-106166	02-104915	2004	24x40	50
AMERICAN MODULAR SYSTEMS	02-106238	02-104915	2004	24x40	50
AMERICAN MODULAR SYSTEMS	02-106373	02-104917	2004	48x40	50
AMERICAN MODULAR SYSTEMS	02-106477	02-104915	2004	24x40	50
AMERICAN MODULAR SYSTEMS	02-106479	02-104925	2004	36x40	70
AMERICAN MODULAR SYSTEMS	02-106597	02-104915	2004	24x40	70
AMERICAN MODULAR SYSTEMS	02-107266	02-104917	2005	48x40	50
AMERICAN MODULAR SYSTEMS	02-107282	02-104925	2005	36x40	50
AMERICAN MODULAR SYSTEMS	02-107316	02-104925	2005	36x40	70
AMERICAN MODULAR SYSTEMS	02-107348	02-104915	2005	24x40	50
AMERICAN MODULAR SYSTEMS	02-107389	02-104925	2005	36x40	50
AMERICAN MODULAR SYSTEMS	02-107434	02-104917	2005	48x40	70
AMERICAN MODULAR SYSTEMS	02-107538	02-104925	2005	36x40	50
AMERICAN MODULAR SYSTEMS	02-107521	02-104915	2005	24x40	50
AMERICAN MODULAR SYSTEMS	02-107583	02-104917	2005	48x40	50
AMERICAN MODULAR SYSTEMS	02-107584	02-104915	2005	24x40	50
AMERICAN MODULAR SYSTEMS	02-107617	02-104915	2005	24x40	50
AMERICAN MODULAR SYSTEMS	02-107655	02-104925	2005	36x40	50
AMERICAN MODULAR SYSTEMS	02-107683	02-104915	2005	24x40	50
AMERICAN MODULAR SYSTEMS	02-107716	02-104915	2005	24x40	50
AMERICAN MODULAR SYSTEMS	02-107829	02-104925	2006	36x40	50
AMERICAN MODULAR SYSTEMS	02-107943	02-104915	2006	24x40	50
AMERICAN MODULAR SYSTEMS	02-108167	02-104917	2005	48x40	70
AMERICAN MODULAR SYSTEMS	02-108220	02-104925	2005	36x40	50
AMERICAN MODULAR SYSTEMS	02-108305	02-104917	2006	48x40	70
AMERICAN MODULAR SYSTEMS	02-108306	02-104915	2006	24x40	50
AMERICAN MODULAR SYSTEMS	02-108398	02-104925	2005	36x40	50
AMERICAN MODULAR SYSTEMS	02-108495	02-104915	2006	24x40	70
AMERICAN MODULAR SYSTEMS	02-108526	02-104917	2006	48x40	70
AMERICAN MODULAR SYSTEMS	02-108543	02-104917	2006	48x40	50
AMERICAN MODULAR SYSTEMS	02-108709	02-104917	2007	48x40	70
AMERICAN MODULAR SYSTEMS	02-108710	02-104925	2007	36x40	70
AMERICAN MODULAR SYSTEMS	02-108865	02-104925	2007	36x40	50
AMERICAN MODULAR SYSTEMS	02-108900	02-104917	2007	48x40	70
AMERICAN MODULAR SYSTEMS	02-109555	02-104925	2008	36x40	50
AURORA	65301	253	1996	24x40	50
AURORA	65601	253	1996	24x40	50
AURORA	65714	253	1996	24x40	50
AURORA	65768	253	1996	24x40	50
AURORA	65807	253	1996	24x40	50
AURORA	65839	253	1996	24x40	50
AURORA	67425	253	1996	48x40	70
AURORA	67426	253	1997	36x40	50
AURORA	68900	348	1997	36x40	70
AURORA	69961	253	1997	36x40	50
AURORA	04-100019	253	1997	24x40	50
AURORA	04-100246	253	1998	24x40	50
AURORA	04-100706	253	1998	36x40	50
AURORA	04-101311	04-100335	1998	24x40	50
AURORA	04-101817	04-101055	2000	24x40	50
AURORA	04-101941	04-101055	2000	24x40	50
AURORA	04-101965	04-101055	2000	24x40	50
AURORA	04-101966	04-101055	2000	24x40	50
AURORA	04-102504	04-101055	2000	36x40	50
AURORA	04-102724	04-101055	2000	24x40	50
AURORA	04-102963	04-101055	2000	36x40	50
AURORA	04-103138	04-101055	2001	24x40	50
AURORA	04-103577	04-101055	2001	24x40	50
AURORA	04-103714	04-101055	2001	48x40	70
AURORA	04-104028	04-101055	2001	24x40	50
AURORA	04-104609	04-101055	2002	24x40	50
AURORA	04-104478	04-101055	2002	24x40	50
AURORA	04-105203	04-101055	2003	24x40	50
AURORA	04-105288	04-101055	2002	36/48x40	50
AURORA	04-105339	04-104816	2003	24x40	50
AURORA	04-105440	04-104816	2003	24x40	50
AURORA	04-105948	04-104816	2003	36x40	50
AURORA	04-106097	04-104816	2004	24x40	70
AURORA	04-109476	04-101055	2008	36x40	50

APPROVED A# NUMBERS APPLICABLE TO THIS PC PLAN

MANUFACTURER OF MODULAR BUILDING	DSA A# NUMBERS OF MODULAR BUILDINGS	BASED ON PC	YEAR OF APPROVAL OF MODULAR BUILDING	MODULAR BUILDING SIZE	DESIGN FLOOR LIVE LOAD
CLASS LEASING	TBD	04-114654	2017	24/36/48X40	50 & 70
MODTECH	54198	121	1990	24X40	50
MODTECH	57433	79	1992	24X40	50 STIFFENED
MODTECH	59629	79	1993	24X40	50
MODTECH	60811	243	1993	24/36X40	70
MODTECH	61172	243	1994	24X40	50
MODTECH	61614	243	1994	24X40	70
MODTECH	65044	243	1996	24X40	50
MODTECH	65965	243	1996	24X40	50
MODTECH	66341	275	1999	24X40	50
MODTECH	67333	266	1997	24X40	50
MODTECH	69746	266	1997	24X40	50
MODTECH	04-100727	282	1999	36X40	50 & 70
MODTECH	04-101194	270	1999	24X40	50
MODTECH	04-103306	04-101419	2001	24X40	50
MODTECH	04-101527	270	1999	24X40	50 STIFFENED
MODTECH	04-101550	275	2001	24X40	50
MODTECH	04-101749	04-101419	2000	24X40	50
MODTECH	04-101984	04-101419	2000	24X40	50
MODTECH	04-103334	04-101268	2001	24X40	50
MODTECH	04-103375	04-101419	2001	24X40	50
MODTECH	04-104244	04-101419	2002	24X40	50
MODTECH	04-104310	04-101419	2002	24/48X40	50
MODTECH	04-104439	04-101268	2002	36X40	70
MODTECH	04-104591	04-101268	2002	36X40	70
MODTECH	04-104496	04-101419	2002	24X40	50
MODTECH	04-104946	04-101419	2000	24X40	50
MODTECH	04-105018	04-101268	2003	36X40	50
MODTECH	04-105224	04-101268	2003	48X40	70
MODTECH	04-105225	04-101268	2003	36X40	70
MODTECH	04-105239	04-101449	2003	24X40	70
MODTECH	04-105337	04-101801	2003	24X40	50
MODTECH	04-105400	04-101801	2003	48X40	70
MODTECH	04-105455	04-104796	2003	24X40	50
MODTECH	04-106196	04-104796	2004	24X40	50
MODTECH	04-106445	04-104801	2004	24/36X40	70
MODTECH	04-106821	04-104801	2006	24X40	70
MODTECH	04-107069	04-104801	2005	36X40	70
MODTECH	04-107616	04-104801	2005	36X40	50 & 70

APPROVED A# NUMBERS APPLICABLE TO THIS PC PLAN

MANUFACTURER OF MODULAR BUILDING	DSA A# NUMBERS OF MODULAR BUILDINGS	BASED ON PC	YEAR OF APPROVAL OF MODULAR BUILDING	MODULAR BUILDING SIZE	DESIGN FLOOR LIVE LOAD
MODULAR STRUCTURES INTERNATIONAL	52938	57	1990	24x40	50
MODULAR STRUCTURES INTERNATIONAL	68435	323	1997	24x40	50
MODULAR STRUCTURES INTERNATIONAL	68505	323	1997	24x40	50
MODULAR STRUCTURES INTERNATIONAL	04-100118	100073	1998	24x40	50
MODULAR STRUCTURES INTERNATIONAL	04-101403	362	1999	24x40	50
MODULAR STRUCTURES INTERNATIONAL	04-101905	04-101244	2000	24x40	70
MODULAR STRUCTURES INTERNATIONAL	04-101926	04-101244	2000	36x40	50
MODULAR STRUCTURES INTERNATIONAL	04-102499	04-101244	2000	36x40	70
MODULAR STRUCTURES INTERNATIONAL	04-103266	04-101244	2001	48x40	50
MODULAR STRUCTURES INTERNATIONAL	04-104262	04-101244	2002	24x40	50
MODULAR STRUCTURES INTERNATIONAL	04-104575	04-101244	2002	48x40	50
MODULAR STRUCTURES INTERNATIONAL	04-105157	04-101244	2003	24x40	50
MODULAR STRUCTURES INTERNATIONAL	04-105451	04-104778	2003	36x40	50
MODULAR STRUCTURES INTERNATIONAL	04-105453	04-104778	2003	24x40	50
MODULAR STRUCTURES INTERNATIONAL	04-106168	04-104778	2003	48x40	50
MODULAR STRUCTURES INTERNATIONAL	04-106179	04-104778	2004	24x40	50
MODULAR STRUCTURES INTERNATIONAL	04-106292	04-104778	2004	48x40	50
MODULAR STRUCTURES INTERNATIONAL	04-106743	04-104778	2004	24x40	50
MODULAR STRUCTURES INTERNATIONAL	04-107072	04-104778	2005	48x40	70
MODULAR STRUCTURES INTERNATIONAL	04-107176	04-104778	2005	48x40	50
MODULAR STRUCTURES INTERNATIONAL	04-107207	04-104778	2006	36x40	50
MODULAR STRUCTURES INTERNATIONAL	04-107251	04-104778	2006	36x40	50
MODULAR STRUCTURES INTERNATIONAL	04-107310	04-104778	2006	24x40	50
PACESETTER INDUSTRIES, INC.	68794	330	1997	24X40	50
PACESETTER INDUSTRIES, INC.	02-100158	330	1998	24X40	50
PACESETTER INDUSTRIES, INC.	02-100159	374	1998	36X40	50
PACESETTER INDUSTRIES, INC.	02-100391	330	1998	24X40	50
PACESETTER INDUSTRIES, INC.	02-100537	330	1998	24X40	50
PACESETTER INDUSTRIES, INC.	02-100544	374	1998	48X40	70
PACESETTER INDUSTRIES, INC.	02-100729	330	1998	36X40	50
PACESETTER INDUSTRIES, INC.	02-100770	374	1999	48X40	50
PACESETTER INDUSTRIES, INC.	02-100771	374	1999	48X40	50
PACESETTER INDUSTRIES, INC.	02-100871	330	1998	24X40	50
PACESETTER INDUSTRIES, INC.	02-100974	330	1998	24X40	50
PACESETTER INDUSTRIES, INC.	02-100975	374	1999	48X40	50
PACESETTER INDUSTRIES, INC.	02-101417	374	1999	48X40	50
PACESETTER INDUSTRIES, INC.	02-101592	330	1998	24X40	50
PACESETTER INDUSTRIES, INC.	02-101636	02-101190	1999	24X40	50
PACESETTER INDUSTRIES, INC.	02-102152	02-101530	2000	48X40	50 & 70
PACESETTER INDUSTRIES, INC.	02-102211	02-101528	2000	24X40	50
PACESETTER INDUSTRIES, INC.	02-102420	02-101530	2000	48X40	50
SILVER CREEK INDUSTRIES, INC	04-108040	04-107557	2006	48X40	50
SILVER CREEK INDUSTRIES, INC	04-108041	04-107557	2006	36X40	50
SILVER CREEK INDUSTRIES, INC	04-108179	04-107557	2006	24X40	70
SILVER CREEK INDUSTRIES, INC	04-110018	04-107557	2007	36X40	70
SILVER CREEK INDUSTRIES, INC	04-110019	04-107557	2008	48X40	70
SILVER CREEK INDUSTRIES, INC	03-113409	04-109299	2010	36/48X40	50 & 70
SILVER CREEK INDUSTRIES, INC	04-113414	04-109299	2010	24X40	50 & 70
SKC COMPANY	#04-118792	N/A	2019	24X40	50
SKC COMPANY	#04-118793	N/A	2019	24X40	50
SKC COMPANY	#04-118780	N/A	2019	24X40	50
SKC COMPANY	#04-118821	N/A	2019	48X40	50
SKC COMPANY	#04-118822	N/A	2019	24X40	50
SKC COMPANY	#04-118838	N/A	2019	48X40	50
SKC COMPANY	#04-118839	N/A	2019	36X40	50
SKC COMPANY	#04-118903	N/A	2020	24X40	50+15
SKC COMPANY	#04-118943	N/A	2019	24/36X40	70
SKC COMPANY	#04-119433	N/A	2020	24X40	70
SKC COMPANY	#04-119942	#04-118640	2021	36X40	50+15
SKC COMPANY	#04-119978	#04-118640	2021	48X40	50+15
SKC COMPANY	#04-120352	#04-118640	2021	24X40	50
SKC COMPANY	#04-120757	#04-119717	2021	36X40	125
SKC COMPANY	#04-120771	N/A	2022	24X40	50+15
SKC COMPANY	#04-121013	#04-120757	2022	36X40	50+15
SKC COMPANY	#04-121142	#04-119717	2022	24X40	50+15
SKC COMPANY	#04-121585	N/A	2022	24X40	* 100
SKC COMPANY	#04-121786	#04-119717	2022	24X40	* 100
STEELGARD, INC	47743	N/A	1986	24X40	50
STEELGARD, INC	52900	N/A	1990	24X40	50
STEELGARD, INC	54177	N/A	1990	24X40	50

NOTE:
THESE APPLICATION NUMBERS LISTED ABOVE ARE FOR QUICK REFERENCE ONLY. AT THE TIME OF THE PC APPROVAL, FUTURE INVENTORY OF MODULAR BUILDINGS ACQUIRED ARE NOT LISTED ABOVE. THE SITE SPECIFIC PLAN REVIEWER SHALL REVIEW THE APPLICATION NUMBER THAT IS NOT LIST ABOVE FOR ACCEPTANCE PRIOR TO LISTING THE INFORMATION FOR SITE SPECIFIC APPROVAL.

STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

SKC COMPANY
15345 FAIRFIELD RANCH RD - SUITE 160 CHINO HILLS, CA 91709
OFFICE: (909) 740-3120, FAX: (909) 726-9470
WEBSITE: WWW.SKCCOMPANY.COM
MANUFACTURER #MF1279666 DEALER # DL1279666
GC LIC # 992118 SBE CERTIFIED

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DISTRICT/CUSTOMER NAME:
VENTURA USD

SCHOOL/SITE NAME: VENTURA HIGH SCHOOL

SHEET TITLE:

APPLICATION NUMBERS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122170 PC
REVIEWED FOR
SS ☐ FLS ☑ ACS ☑ CG ☐
DATE: 09/22/2023

PROFESSIONAL OF RECORD ON PC

ORION
Structural Engineering, Inc.
11305 RANCHO BERNARDO RD SUITE 121
SAN DIEGO CA, 92127
PHONE (858) 679-1974

BRIAN J. DAVIS
No. S5337
EXP. 12/31/24
STRUCTURAL
STATE OF CALIFORNIA

FIRM: Orion Structural Engineering, Inc.
ADDRESS: 11305 Rancho Bernardo Road Ste 121
CITY: San Diego, CA
PHONE: 858-679-1974

PROJECT SPECIFIC PROFESSIONAL OF RECORD

FIRM:
ADDRESS:
CITY:
PHONE:

REVISIONS

1	-
2	-
3	-
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5	-

PROJECT NO.:	00-0000
DRAFTER:	00
SCALE:	AS NOTED
DATE:	00-00-00

SHEET NUMBER

F-1A

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* BUILDING FLOOR LOAD CAN BE HIGHER THAN THE FOUNDATION DESIGN LOAD IF BUILDING OCCUPANCY IS "B" OR "E". THE FLOOR LOAD MAY HAVE BEEN STIFFENED TO A HIGHER FLOOR LOAD.

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MANUFACTURER OF MODULAR BUILDING	DSA A# NUMBERS OF MODULAR BUILDINGS	BASED ON PC	YEAR OF APPROVAL OF MODULAR BUILDING	MODULAR BUILDING SIZE	DESIGN FLOOR LIVE LOAD
AMERICAN MODULAR SYSTEMS	02-106598	02-104931	2004	12X40	70
AMERICAN MODULAR SYSTEMS	02-107256	02-104931	2005	12X40	70
AMERICAN MODULAR SYSTEMS	02-107435	02-104931	2005	12X40	70
AMERICAN MODULAR SYSTEMS	02-107511	02-104931	2005	12X40	70
AMERICAN MODULAR SYSTEMS	02-107700	02-104931	2005	12X40	70
AMERICAN MODULAR SYSTEMS	02-107701	02-104931	2005	12X40	70
AMERICAN MODULAR SYSTEMS	02-107908	02-104931	2006	12X40	70
AMERICAN MODULAR SYSTEMS	02-107909	02-104931	2006	12X40	70
AMERICAN MODULAR SYSTEMS	02-107981	02-104931	2006	12X40	70
AMERICAN MODULAR SYSTEMS	02-108494	02-104931	2006	12X40	70
AMERICAN MODULAR SYSTEMS	02-108593	02-104931	2007	12X40	70
AMERICAN MODULAR SYSTEMS	02-109376	02-104931	2007	12X40	70
AURORA MODULAR	68900	348	1997	12X40	70
AURORA MODULAR	69026	272	1997	12X40	70
AURORA MODULAR	80015	272	1997	12X40	70
AURORA MODULAR	04-102745	04-101179	2000	12X40	70
AURORA MODULAR	04-103359	04-101179	2001	12X40	70
AURORA MODULAR	04-103321	04-101179	2001	12X40	70
AURORA MODULAR	04-103534	04-101179	2001	12X40	70
AURORA MODULAR	04-103601	04-101179	2001	12X40	70
AURORA MODULAR	04-103923	04-101179	2002	12X40	70
AURORA MODULAR	04-103924	04-101179	2002	12X40	70
AURORA MODULAR	04-103947	04-101179	2002	12X40	70
AURORA MODULAR	04-105650	04-104822	2003	12X40	70
CLASS LEASING	04-115911	04-114945	2017	12X40	100
MOBILE MODULAR	04-101927	04-101334	2000	12X40	70
MODULAR STRUCTURES INT'L	04-101347	04-100332	1999	12X40	50
MODULAR STRUCTURES INT'L	04-101425	04-100332	1999	12X40	50
MODULAR STRUCTURES INT'L	04-101927	04-101334	2001	12X40	50
MODULAR STRUCTURES INT'L	04-103408	04-101334	2001	12X40	50
MODULAR STRUCTURES INT'L	04-103600	04-101334	2001	12X40	50
MODULAR STRUCTURES INT'L	04-104148	04-101334	2004	12X40	70
MODULAR STRUCTURES INT'L	04-105096	04-101334	2003	12X40	70
MODULAR STRUCTURES INT'L	04-105526	04-104780	2003	12X40	70
MODULAR STRUCTURES INT'L	04-106423	04-104780	2004	12X40	70
MODULAR STRUCTURES INT'L	04-106424	04-104780	2004	12X40	70
MODTECH	52479	N/A	1989	12X40	50
MODTECH	04-101770	284	1999	12X40	50
MODTECH	04-103533	04-101447	2001	12X40	50
MODTECH	01-103972	04-101447	2001	12X40	50
MODTECH	04-103922	04-101447	2001	12X40	50
MODTECH	04-104384	04-101447	2002	12X40	70
MODTECH	04-104442	04-101447	2002	12X40	70
MODTECH	04-105223	04-101447	2003	12X40	70
MODTECH	04-105281	04-104800	2003	12X40	70
MODTECH	04-105484	04-104800	2003	12X40	70
MODTECH	04-105546	04-104800	2003	12X40	70
MODTECH	04-106425	04-104800	2004	12X40	70
MODTECH	04-107068	04-104800	2005	12X40	70
MODTECH	04-107648	04-104800	2005	12X40	70
MODTECH	04-107742	04-104800	2005	12X40	70

APPROVED A# NUMBERS APPLICABLE TO THIS PC PLAN

MANUFACTURER OF MODULAR BUILDING	DSA A# NUMBERS OF MODULAR BUILDINGS	BASED ON PC	YEAR OF APPROVAL OF MODULAR BUILDING	MODULAR BUILDING SIZE	DESIGN FLOOR LIVE LOAD
SKC COMPANY	#04-118301	N/A	2019	12X40	70
SKC COMPANY	#04-118713	N/A	2019	12X40	70
SKC COMPANY	#04-119009	N/A	2020	12X40	70
SKC COMPANY	#04-119160	N/A	2020	12X40	70
SKC COMPANY	#04-119497	#04-118301	2020	12X40	70
SKC COMPANY	#04-119973	#04-118698	2021	12X40	70
SKC COMPANY	#04-121787	#04-119482	2022	12X40	70
SKC COMPANY	#04-121022	#04-119482	2022	12X40	70
SKC COMPANY	#04-120306	N/A	2021	12X40	70
SKC COMPANY	#04-120003	N/A	2021	12X40	70
SKC COMPANY	#04-120632	#04-119482	2021	12X40	50+15
SKC COMPANY	#04-120772	#04-119482	2022	12X40	50+15

NOTE:
THESE APPLICATION NUMBERS LISTED ABOVE ARE FOR QUICK REFERENCE ONLY. AT THE TIME OF THE PC APPROVAL, FUTURE INVENTORY OF MODULAR BUILDINGS ACQUIRED ARE NOT LISTED ABOVE. THE SITE SPECIFIC PLAN REVIEWER SHALL REVIEW THE APPLICATION NUMBER THAT IS NOT LIST ABOVE FOR ACCEPTANCE PRIOR TO LISTING THE INFORMATION FOR SITE SPECIFIC APPROVAL.

STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

SKC COMPANY
15345 FAIRFIELD RANCH RD - SUITE 160 CHINO HILLS, CA 91709
OFFICE: (909) 740-3120, FAX: (909) 726-9470
WEBSITE: WWW.SKCCOMPANY.COM
MANUFACTURER #MF1279666 GC LIC # 992118
DEALER # DL1279666 SBE CERTIFIED

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DISTRICT/CUSTOMER NAME:
VENTURA USD

SCHOOL/SITE NAME:
VENTURA
HIGH SCHOOL

SHEET TITLE:

APPLICATION NUMBERS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122170 PC
REVIEWED FOR
SS ☐ FLS ☑ ACS ☑ CG ☐
DATE: 09/22/2023

PROFESSIONAL OF RECORD ON PC

ORION
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BRYAN J. ORION
No. S5827
EXP. 12/31/24
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PROJECT SPECIFIC PROFESSIONAL OF RECORD

FIRM:
ADDRESS:
CITY:
PHONE:

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1 -
2 -
3 -
4 -
5 -

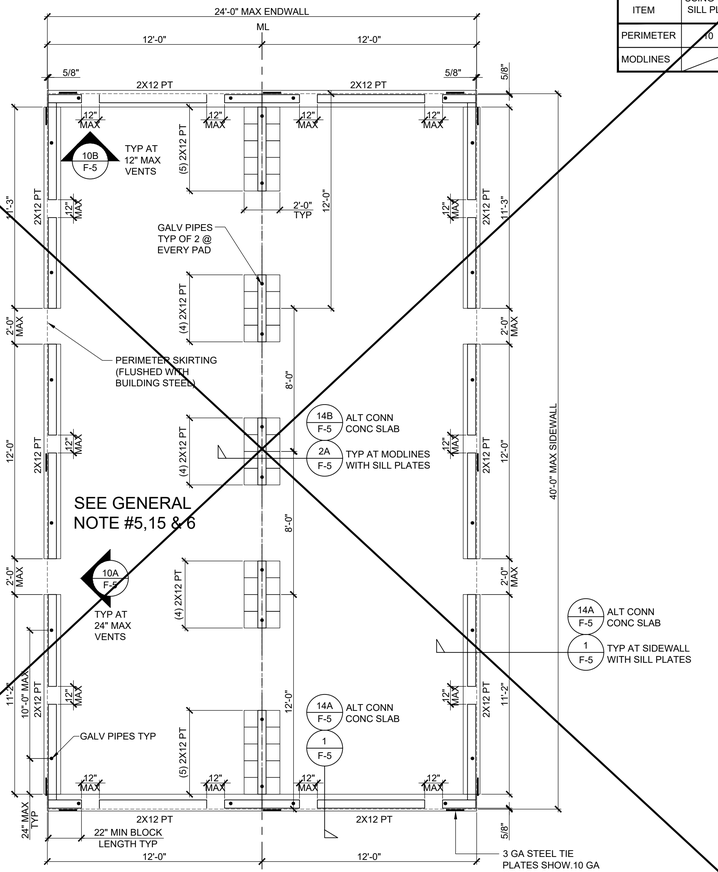
PROJECT NO.:	00-0000
DRAFTER:	00
SCALE:	AS NOTED
DATE:	00-00-00

SHEET NUMBER

F-1B

9/19/2023 10:48:55 AM

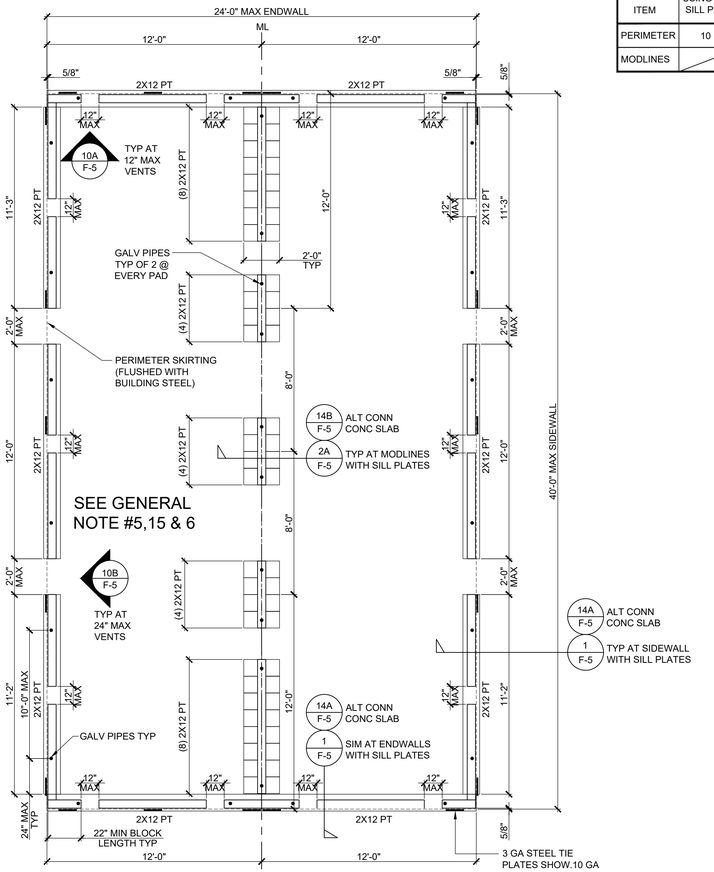
SCHEDULE		
ITEM	USING 12 FT SILL PLATE	MIN QTY OF PIPES
PERIMETER	10	20
MODLINES		10



FOUNDATION PLAN FOR 50# FLOOR LOAD

SCALE: 1/4" = 1'-0"

SCHEDULE		
ITEM	USING 12 FT SILL PLATE	MIN QTY OF PIPES
PERIMETER	10	20
MODLINES		10



FOUNDATION PLAN FOR 50+15# FLOOR LOAD

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. SEE SHEET F-1 FOR GENERAL NOTES
2. SEE SHEET F-5 FOR TYPICAL NOTES
3. SEE SHEET F-8 FOR UNDER FLOOR VENTILATION CALCULATIONS
4. CONTINUOUS TOP PLATE NOT SHOWN FOR CLARITY
5. MINIMUM (3) SIDES FOR CROSS VENTILATION. THE ENDWALL SIDE MUST BE VENTED
6. ALLOWABLE SOIL BEARING = 1000 PSF, PER DSA IR 16-1
7. ALL NAILS FOR PLATE TO PLATE NAILING SHALL BE 16D GALV BOX. ALL NAILS FOR PLYWOOD SKIRTING SHALL BE 8D GALV BOX. ALL FOUNDATION NAILS SHALL BE HOT DIPPED GALVANIZED WITH A MIN OF 1 OZ OF ZINC PER SQ FT
8. UNDER FLOOR DRAINAGE SHALL BE PROVIDED TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. UNDER FLOOR DRAINAGE SHALL BE NOTED AND DETAILED ON THE PROJECT SPECIFIC SITE PLANS
9. ALL 2X PLATES AT EXTERIOR FOUNDATIONS AND MODLINES TO BE 4 FT OR 8 FT LONG WITH NO SPLICES. IF SHORTER PIECES O 2X PLATES ARE TO BE USED, SPLICE PLATES PER DETAIL #9/F-5
10. SEE DETAIL SHEET F-5 AND F-5 FOR MAXIMUM HEIGHT OF WOOD FOUNDATION
11. SEE SHEET F-5 FOR ADJACENT BUILDING FOUNDATION
12. SEE SHEET F-5 FOR OPTIONAL DETAILS AT CONCRETE PAVING.
13. ALL WOOD FOUNDATIONS TO BE MIN HEM-FIR #2 OR BETTER
14. MAXIMUM 2,160 SQ FT FOR STAND-ALONE WOOD PAD FOUNDATION SYSTEM PER DSA IR 16-1
15. OPTION - PER SECTION 1202.4.1.2, THE TOTAL AREA OF VENTILATION OPENINGS IS PERMITTED TO BE REDUCED TO 1/1500 OF THE UNDER-FLOOR AREA WHERE THE GROUND SURFACE IS COVERED WITH A CLASS I VAPOR RETARDER MATERIAL AND THE REQUIRED OPENINGS ARE PLACED SO AS TO PROVIDE CROSS VENTILATION OF THE SPACE. THE INSTALLATION OF OPERABLE LOUVERS SHALL NOT BE PROHIBITED
16. THE 24" WIDE MAX VENT OPENING AT THE SIDEWALL IS A FIX LOCATION. REFER TO DETAIL #10B/F-5 FOR BLOCK-OUT REQUIREMENTS. THE 12" WIDE MAX VENT OPENING CAN BE LOCATED ANYWHERE ON THE FOUNDATION ABIDING BY DETAIL #10A/F-5 BLOCK-OUT REQUIREMENTS. WHEN RAMPS, LANDINGS OR STAIRS ARE USED, THE VENT AREAS THAT ARE ACCOUNTED FOR TO MEET THE MIN VENTILATION REQUIREMENTS MUST EITHER BE RELOCATED OR THE RAMP, LANDING OR STAIRS MUST ALSO BE VENTED TO ALLOW VENTILATION

ENDWALL PLATE & BLOCK SCHEDULE

FLOOR LIVE LOAD PSF	50	50+15		
SILL PLATE (END WALL)	2x12 CONT	2x12 CONT		
BLOCK PLATE (END WALL)	2x8	2x8		
BLOCKPLATE (END WALL)	2x4	2x6		
CONT. TOP PLATE	2x4	2x4		

NOTES:
1. THE 4TH BLOCK PLATE LEADING TO TOP PLATE CAN BE 2X4 MIN BASED ON HEIGHT

WOOD PAD FOUNDATION (MODLINE)

FLOOR LIVE LOAD PSF	50	50+15		
SILL PLATE	2x12 S/S	2x12 S/S		
BLOCK PLATE	SEE DETAIL ☒2A ☐2B☐2C ON SHEET F-5			
BLOCK PLATE	SEE DETAIL ☒2A ☐2B☐2C ON SHEET F-5			
CONT. TOP PLATE	SEE DETAIL ☒2A ☐2B☐2C ON SHEET F-5			

SIDEWALL PLATE & BLOCK SCHEDULE

FLOOR LIVE LOAD PSF	50	50+15		
SILL PLATE (SIDE WALL)	2x12 CONT	2x12 CONT		
BLOCK PLATE (SIDE WALL)	2x8	2x8		
BLOCKPLATE (SIDE WALL)	2x4	2x6		
CONT. TOP PLATE	2x4	2x4		

NOTES:
1. THE 4TH BLOCK PLATE LEADING TO TOP PLATE CAN BE 2X4 MIN BASED ON HEIGHT

10 GA. TIE PLATE SCHEDULE

BUILDING SIZE	FLOOR LOAD PSF	PER EA SIDE ENDWALL	PER EA SIDE SIDEWALL	GRAND TOTAL
24'x40'	~~50~~	~~6~~	~~6~~	~~24~~
	50+15	9	9	36

3 GA. TIE PLATE SCHEDULE

BUILDING SIZE	FLOOR LOAD PSF	PER EA SIDE ENDWALL	PER EA SIDE SIDEWALL	GRAND TOTAL
24'x40'	~~50~~	~~4~~	3	12
	50+15	5	5	20

NOTE:
ALL LUMBER SHALL BE DF#2 WHEN USING THE 3 GA TIE PLATE OPTION

STATE AGENCY APPROVAL

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SHEET TITLE:

24X40 PLAN

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
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APP: 04-122170 PC
REVIEWED FOR
SS ☐ FLS ☑ ACS ☑ CS ☐
DATE: 09/22/2023

PROFESSIONAL OF RECORD ON PC

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PROJECT SPECIFIC PROFESSIONAL OF RECORD

FIRM:
ADDRESS:
CITY:
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PROJECT NO.:	00-0000
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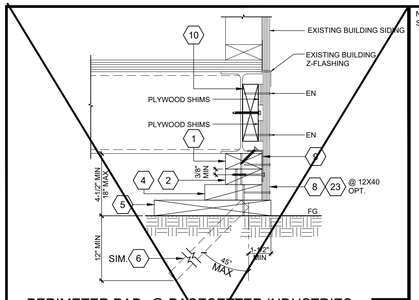
SHEET NUMBER

F-2A

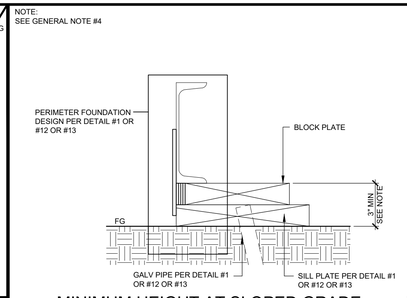
9/19/2023 10:49:04 AM



PERIMETER PAD @ PACESETTER INDUSTRIES

SCALE: 3" = 1'-0"

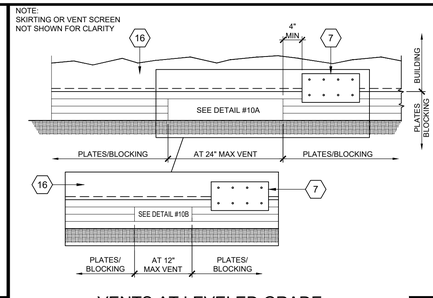
12



MINIMUM HEIGHT AT SLOPED GRADE

SCALE: 3" = 1'-0"

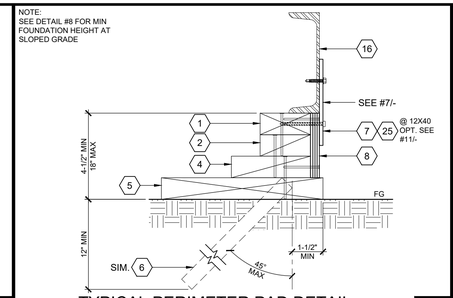
8



VENTS AT LEVELED GRADE

SCALE: 1" = 1'-0"

4



TYPICAL PERIMETER PAD DETAIL

SCALE: 3" = 1'-0"

1

KEY NOTES

1. CONTINUOUS 2X4 MIN TOP PLATE. INSTALL NAIL TO EACH PAD WITH .135" X 3" MIN BOX NAILS AT 1" OC STAGGERED & (2) .135" X 3" MIN BOX NAILS AT EACH END OF SPLICE, MIN 1 1/2" PENETRATION
2. BLOCK PLATES (2X4 MIN AT 50# FLOOR LOAD OR 2X6 MIN AT 65# FLOOR LOAD) - .135 X 3" MIN BOX NAILS AT 1" OC. (2) .135 X 3" MIN BOX NAILS AT EACH END OF SPLICE, MIN 1 1/2" PENETRATION
3. 1 1/2" MAX TAPERED SHIMS NAIL TO FOUNDATION PLATES WITH 16D BOX NAILS AT 1" OC NAIL STAGGERED ALONG EACH TAPERED SHIM (PER SLOPE OF GROUND AT SITE)
4. BLOCK PLATE (2X6 AT 50# FLOOR LOAD OR 2X8 AT 65# FLOOR LOAD). SPLICES SHALL OCCUR AT CENTER OF BLOCK PLATE LOCATIONS (SEE GENERAL NOTE #3). REFER TO KEYNOTE #2 FOR NAILING
5. CONTINUOUS PRESSURE TREATED SILL PLATE (SEE PLAN). PLATE SPLICES SHALL OCCUR AT CENTER OF BLOCK PLATE LOCATION
6. 1"Ø x 14" MIN STANDARD WEIGHT HOT DIPPED GALVANIZED PIPE AT 10'-0" OC MAX, 2'-0" MAX FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES PER DISCONTINUE FOUNDATION STRIP PER DSA IR 16-1.13 SECTION 4.8. DRILL SILL PLATE 1 1/2"Ø MAX HOLE PIPE SHOULD PENETRATE INTO SOIL AND/OR PAVING A MIN OF 12" MEASURED VERTICALLY PIPES SHALL BE INSTALLED ON A CONTINUOUS PLATE. PIPE SHALL BE STAMPED WITH ASTM A53 GRADE 'A' OR 'B' AND MEET THE REQUIREMENTS OF ASTM A123
7. TYPICAL TIE PLATE AT 12X40, 24X40, 36X40, AND 48X40 BUILDINGS: 12" X 6" X 10 GA STEEL TIE PLATE (PRIME AND PAINTED) WITH (4) 1/4"x1-1/4" LONG SDS INTO CHANNEL & (4) 3/8"x4-1/2" LAG SCREW INTO 2x MEMBER TYP LOCATE 4" MIN FROM SPLICES & END OF FOUNDATION PLATES. IF STEEL TIE PLATE IS NOT PRIMED OR PAINTED IT SHALL BE GALV. IF FASTENERS ARE NOT PAINTED, IT SHALL BE GALV
8. 5/8" CDX PLYWOOD OR SIDING PERIMETER SKIRTING. NAIL TO FOUNDATION PLATES WITH .135 X 2" MIN BOX NAILS @ 6" OC END NAILING AND 12" OC FIELD NAILING
9. ~~PACESETTER INDUSTRIES AT 24X40, 36X40, AND 48X40 BUILDINGS: TYPICAL 12 GA SHEAR TRANSFER ANGLE. SECURE LONG LEG VERTICAL TO FOUNDATION WITH #14 X 3" MIN FLAT HEAD EXTERIOR WOOD SCREWS. SECURE SHORT LEG HORIZONTAL TO BUILDING FLOOR FRAME WITH #14 X 3" MIN FLAT HEAD OR HEX HEAD EXTERIOR WOOD SCREWS (MAX 45°)~~
10. ~~2X6 NAILER PLATE SECURED WITH 1/4" X 2 1/2" MIN HEX WASHER HEAD TEK SCREWS AT THE FOLLOWING SPACING:~~

    ~~12X40 BUILDING - 1.9" OC MAX AT ENDWALLS & 6.3" OC MAX SIDEWALLS~~
    ~~24X40 BUILDING - 1.9" OC MAX AT ENDWALLS & 7.7" OC MAX SIDEWALLS~~
    ~~36X40 BUILDING - 5.2" OC MAX AT ENDWALLS & 5.0" OC MAX SIDEWALLS~~
    ~~48X40 BUILDING - 5.6" OC MAX AT ENDWALLS & 4.6" OC MAX SIDEWALLS~~
11. MODLINE - CONT PLATE (2X10 MIN AT PACESETTER ONLY AND 2X6 MIN ELSEWHERE). NAIL .135 X 3" MIN AT 1" OC AND (2) .135 X 3" MIN NAILS AT EACH END
12. MODLINE - SIDE BY SIDE PRESSURE TREATED SILL PADS (SEE PLAN)
13. NOT USED
14. ~~AMERICAN MODULAR SYSTEMS ALL CASES, ALTERNATE 10'-0" X 3" X 3 GA SHEAR TRANSFER ANGLE. SECURE LONG LEG VERTICAL TO FOUNDATION WITH #14 X 4" MIN FLAT HEAD EXTERIOR WOOD SCREWS @ 2" O.C. MINIMUM OF 60 SCREWS PER PLATE. SECURE SHORT LEG HORIZONTAL TO BUILDING FLOOR FRAME WITH A TOTAL OF 24 #14 X 1" MIN FLAT HEAD OR HEX HEAD EXTERIOR TEKS SCREWS (MAX 45°). SEE ANGLE SCHEDULE.~~
15. NOT USED
16. FLOOR CHANNEL (REFER TO DSA APPROVED BUILDING MANUFACTURE PLANS)
17. MODLINE CONNECTION (REFER TO DSA APPROVED BUILDING MANUFACTURE PLANS)
18. FLOOR JOIST OR BLOCK
19. VENT SCREEN ATTACHED TO FOUNDATION W/ #8 SCREWS AT EACH CORNERS. COORDINATE WITH FOUNDATION PLAN TABLE FOR MAX SPACE BETWEEN FOUNDATION BLOCKS & BUILDING VENTILATION TABLE FOR VENTING REQUIREMENTS TO DETERMINE SIZE OF NET OPENING. VENTING SCREEN SHALL BE 2" LARGER THAN THE SIZE OF THE NET OPENING FOR THE SCREEN TO BE FASTENED ON EACH CORNER. VENTILATION SHALL BE PROVIDED AT A NET AREA OF NOT LESS THAN 1 SQUARE FOOT FOR EACH 150 SQUARE FEET OF UNDER FLOOR AREA
20. 0.145"Ø X 3" LONG X-CP 72 P8 S36 'HILTI' SHOT PIN PER ICC REPORT #ESR-2379 (SEE SCHEDULE FOR QUANTITY, STAGGER SPACING)
21. ~~5/8"Ø 'HILTI KB-TZ2 ANCHOR BOLT PER ICC REPORT #ESR 4266 (SEE SCHEDULE FOR QUANTITY), NOTCH BLOCK PLATE ABOVE AS NECECSSARY~~
22. NOT USED
23. ~~PACESETTER INDUSTRIES AT 12X40 BUILDING ONLY & AMERICAN MODULAR SYSTEMS ALL CASES: 3/8" OD X PLYWOOD OR LP SMARTSIDE 38 0.354 IN X 48 IN X 05 IN PRIMED ENGINEERED PANEL SIDING PERIMETER SKIRTING. NAIL TO FOUNDATION PLATES WITH .135 X 2" MIN BOX NAILS @ 6" OC END NAILING AND 12" OC FIELD NAILING~~
24. ~~PACESETTER INDUSTRIES AT 12X40 BUILDING ONLY: ALTERNATE 16'-0" X 3" X 3 GA SHEAR TRANSFER ANGLE ON: SECURE LONG LEG VERTICAL TO FOUNDATION WITH #14 X 4" MIN FLAT HEAD EXTERIOR WOOD SCREWS @ 2" O.C. MINIMUM OF 60 SCREWS PER PLATE. SECURE SHORT LEG HORIZONTAL TO BUILDING FLOOR FRAME WITH A TOTAL OF 24 #14 X 1" MIN FLAT HEAD OR HEX HEAD EXTERIOR TEKS SCREWS (MAX 45°). SEE ANGLE SCHEDULE.~~
25. ~~ALTERNATE TIE PLATE AT 12X40, 24X40, 36X40, AND 48X40 BUILDINGS: 12" X 6" X 3 GA STEEL TIE PLATE (PRIME AND PAINTED) WITH (4) 1/4"X1-1/4" LONG SDS INTO CHANNEL & (4)7/16"X4-1/2" LAG SCREW INTO 2X MEMBER TYP LOCATE 4" MIN FROM SPLICES & END OF FOUNDATION PLATES. IF STEEL TIE PLATE IS NOT PRIMED OR PAINTED IT SHALL BE GALV. IF FASTENERS ARE NOT PAINTED, IT SHALL BE GALV~~

STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

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DEALER # DLS279666 SBE CERTIFIED

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DISTRICT/CUSTOMER NAME:
VENTURA USD

SCHOOL/SITE NAME: VENTURA HIGH SCHOOL

SHEET TITLE:

DETAILS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVED
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APP: 04-122170 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/22/2023

PROFESSIONAL OF RECORD ON PC:

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No. C-49437
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PROJECT SPECIFIC PROFESSIONAL OF RECORD

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ADDRESS:
CITY:
PHONE:

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PROJECT NO.:	00-0000
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DATE:	00-00-00

SHEET NUMBER

F-5

9/19/2023 10:50:52 AM

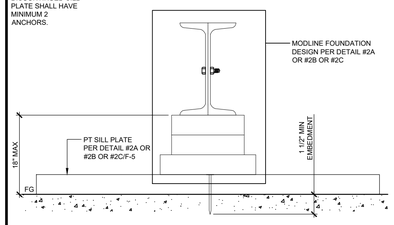
NOTE:
SEE DETAIL #6 FOR MIN FOUNDATION HEIGHT AT SLOPED GRADE

NOTE:
2" MINIMUM EDGE DISTANCE OF ANCHORED TO SILL EDGE

EACH DISCONTINUED SILL PLATE SHALL HAVE MINIMUM 2 ANCHORS.

20 SPACING SCHEDULE

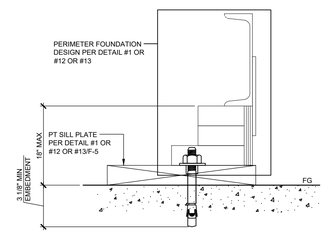
FLOOR LOAD		50	50+15
ALL MODULINES	S/S	(2) SHOT PIN PER PLATE	
	CONT	6" OC	6" OC



B

21 SPACING SCHEDULE

FLOOR LOAD		50	50+15
12'x40'	ENDWALL	3" OC 3 MIN ANCHORS	10" OC 10 MIN ANCHORS
	SIDEWALL	35" OC 3 MIN ANCHORS	35" OC 3 MIN ANCHORS
24'x40'	ENDWALL	23" OC 3 MIN ANCHORS	18" OC 3 MIN ANCHORS
	SIDEWALL	44" OC 3 MIN ANCHORS	39" OC 3 MIN ANCHORS
36'x40'	ENDWALL	17" OC 3 MIN ANCHORS	17" OC, 13 MIN ANCHORS
	SIDEWALL	35" OC 3 MIN ANCHORS	28" OC 3 MIN ANCHORS
48'x40'	ENDWALL	13" OC, 11 MIN ANCHORS	9" OC, 9 MIN ANCHORS
	SIDEWALL	26" OC, 11 MIN ANCHORS	26" OC, 11 MIN ANCHORS

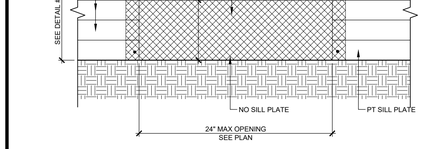


A

ALT FOUNDATION TO CONC SLAB

SCALE: 6" = 1'-0"

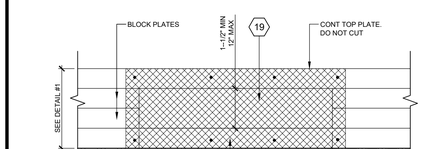
14



24" MAX VENT DETAIL

SCALE: 3" = 1'-0"

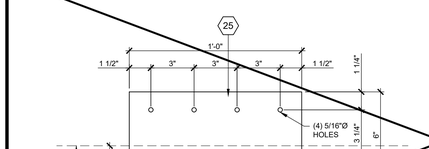
10A



12" MAX VENT DETAIL

SCALE: 3" = 1'-0"

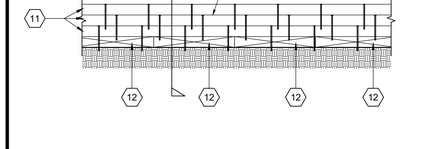
10B



ALTERNATE FOUNDATION TIE PLATES

SCALE: 3" = 1'-0"

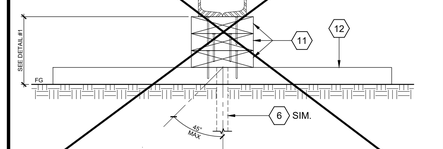
11



VENTS/SHIMS AT SLOPED GRADE

SCALE: 3" = 1'-0"

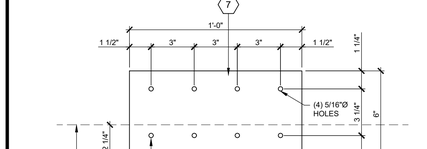
5



TYPICAL MODLINE DETAIL

SCALE: 3" = 1'-0"

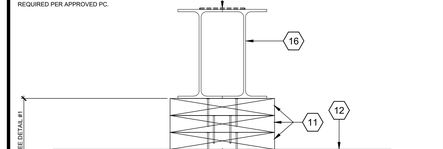
2A



MODLINE DETAIL (SIDE VIEW)

SCALE: 1-1/2" = 1'-0"

6



MODLINE @ AMERICAN MODULAR SYSTEM

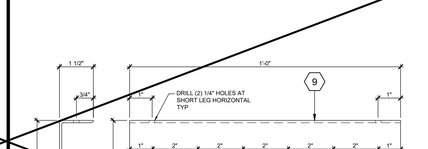
SCALE: 3" = 1'-0"

2B

TYPICAL FOUNDATION TIE PLATES

SCALE: 3" = 1'-0"

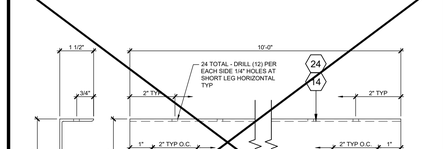
7A



TYPICAL 12 GA SHEAR TRANSFER ANGLE

SCALE: 6" = 1'-0"

7B



ALTERNATE 10'-0" SHEAR TRANSFER ANGLE

SCALE: 6" = 1'-0"

3

GENERAL NOTES:

1. CONTINUOUS PLATES, OTHER THAN TOP OR BOTTOM PLATE, CAN BE CUT AS NECESSARY FOR VENTING PURPOSES
2. SEE INDIVIDUAL FOUNDATION SHEETS FOR ALL PLATE, BLOCKS AND SILL PLATE SIZES AS REQUIRED FOR FLOOR LIVE LOAD DESIGN
3. BLOCKS ABOVE SILL PLATES ARE TO BE CENTERED
4. SITE GRADE CONDITIONS VARY PER PROJECT SPECIFIC. DETAIL #6/- SHALL ONLY APPLY AT MAX TWO BUILDING CORNERS (WHEN NECESSARY) TO ALLOW VENTILATION AT OTHER SIDES OF THE FOUNDATION. IF APPLICABLE VERIFY PROPER VENTILATION REQUIREMENTS. IF MIN VENTILATION IS NOT MET, SITE GRADE CONDITION MUST BE RE-GRADED (BY DISTRICT)
5. ALL NAILS SPECIFIED ON THESE PLANS ARE BOX NAILS. COMMON NAILS IS OPTIONAL. WHEN SECURING FOUNDATION PLATE TO PLATE, THE MIN NAIL SHANK DIAMETER TO BE USED IS 0.131. ALL NAILS SHALL BE HOT-DIPPED GALVANIZED

BASED ON 4 1/2" PAD HEIGHT

BUILDING SQUARE FOOTAGE: 24' X 40' = 960 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
960 SF / 150 SF = 6.4 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE USE: 4
24" X 3" = 72 / 144 = 0.5 SF
TOTAL VENTILATION: (4) VENTS X 0.5 = 2.0 SF

V2 12" MAX VENTS TO BE USE: 36
12" X 1.5" = 18 / 144 = 0.125 SF
TOTAL VENTILATION: (36) VENTS X 0.125 = 4.5 SF

OVERALL VENTILATION:
2.0 + 4.5 = 6.5 SF

6.5 SF > 6.4 SF VENTILATION REQUIREMENT = OK

NOTE:
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES, ADD ADDITIONAL
12" MAX VENTS AS NECESSARY. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

BASED ON 6" PAD HEIGHT

BUILDING SQUARE FOOTAGE: 24' X 40' = 960 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
960 SF / 150 SF = 6.4 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE USE: 4
24" X 4.5" = 108 / 144 = 0.75 SF
TOTAL VENTILATION: (4) VENTS X 0.75 = 3.0 SF

V2 12" MAX VENTS TO BE USE: 14
12" X 3" = 36 / 144 = 0.25 SF
TOTAL VENTILATION: (14) VENTS X 0.25 = 3.5 SF

OVERALL VENTILATION:
3.0 + 3.5 = 6.5 SF

6.5 SF > 6.4 SF VENTILATION REQUIREMENT = OK

NOTE:
ADDITIONAL 12" MAX VENTS WILL BE REQUIRED WHEN
FOUNDATION PAD HEIGHT IS LESS THAN 6" INCLUDING
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

BASED ON 8" PAD HEIGHT

BUILDING SQUARE FOOTAGE: 24' X 40' = 960 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
960 SF / 150 SF = 6.4 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE USE: 4
24" X 6" = 144 / 144 = 1.0 SF
TOTAL VENTILATION: (4) VENTS X 1.0 = 4.0 SF

V2 12" MAX VENTS TO BE USE: 7
12" X 4.5" = 54 / 144 = 0.38 SF
TOTAL VENTILATION: (7) VENTS X 0.38 = 2.7 SF

OVERALL VENTILATION:
4.0 + 2.7 = 6.7 SF

6.7 SF > 6.4 SF VENTILATION REQUIREMENT = OK

NOTE:
ADDITIONAL 12" MAX VENTS WILL BE REQUIRED WHEN
FOUNDATION PAD HEIGHT IS LESS THAN 6" INCLUDING
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

BASED ON 9" PAD HEIGHT

BUILDING SQUARE FOOTAGE: 24' X 40' = 960 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
960 SF / 150 SF = 6.4 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE USE: 4
24" X 7.5" = 180 / 144 = 1.25 SF
TOTAL VENTILATION: (4) VENTS X 1.25 = 5.0 SF

V2 12" MAX VENTS TO BE USE: 3
12" X 6" = 72 / 144 = 0.5 SF
TOTAL VENTILATION: (3) VENTS X 0.5 = 1.5 SF

OVERALL VENTILATION:
5.0 + 1.5 = 6.5 SF

6.5 SF > 6.4 SF VENTILATION REQUIREMENT = OK

NOTE:
ADDITIONAL 12" MAX VENTS WILL BE REQUIRED WHEN
FOUNDATION PAD HEIGHT IS LESS THAN 9" INCLUDING
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

BASED ON 10 1/2" PAD HEIGHT

BUILDING SQUARE FOOTAGE: 24' X 40' = 960 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
960 SF / 150 SF = 6.4 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE USE: 4
24" X 9" = 216 / 144 = 1.5 SF
TOTAL VENTILATION: (4) VENTS X 1.5 = 6.0 SF

V2 12" MAX VENTS TO BE USE: 1
12" X 7.5" = 90 / 144 = 0.6 SF
TOTAL VENTILATION: (1) VENTS X 0.6 = 0.6 SF

OVERALL VENTILATION:
6.0 + 0.6 = 6.6 SF

6.6 SF > 6.4 SF VENTILATION REQUIREMENT = OK

NOTE:
ADDITIONAL 12" MAX VENTS WILL BE REQUIRED WHEN
FOUNDATION PAD HEIGHT IS LESS THAN 9" INCLUDING
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

BASED ON 12"-18" MAX PAD HEIGHT

BUILDING SQUARE FOOTAGE: 24' X 40' = 960 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
960 SF / 150 SF = 6.4 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE USE: 4
24" X 10.5" = 252 / 144 = 1.75 SF
TOTAL VENTILATION: (4) VENTS X 1.75 = 7.0 SF

V2 12" MAX VENTS TO BE USE: 0
(ONE VENT IS REQUIRED TO BE USE FOR 3RD SIDE CROSS VENTILATION)

OVERALL VENTILATION:
7.0 + 0.0 = 7.0 SF

7.0 SF > 6.4 SF VENTILATION REQUIREMENT = OK

NOTE:
THE 12" MAX VENTS IS NOT REQUIRED WHERE PAD HEIGHT
IS 12" AND TALLER HOWEVER IS REQUIRED FOR 3RD SIDE
CROSS VENTILATION. FOR A TRADE OFF, ONE OF THE TWO
24" MAX FIXED VENT CAN BE ELIMINATED AND COMPENSATED
TO THE 3RD SIDE FOUNDATION. SITE CONDITIONS
WHERE THE 24" MAX FIXED VENT IS BLOCKED OR
SLOPED GRADES, THE 12" MAX VENT MUST BE CONSIDERED.
THE 12" MAX VENT CAN BE INSTALLED ANYWHERE ON THE PLAN
ABIDING BY DETAIL #10A/F-5

NOTE:
THE CALCULATION CHARTS ARE FOR REFERENCE ONLY AND CAN BE USE WHERE SITE CONDITION VARY BETWEEN 1/4" - 1" FROM ONE END OF THE FOUNDATION TO THE OTHER. THE CHART SHALL NOT BE CONSIDERED WHERE SEVERE GRADE SLOPES EXIST. PAD HEIGHTS THAT MEASURES IN BETWEEN THE HEIGHTS CALCULATED ON THE CHARTS, THE SMALLER PAD HEIGHT SHALL BE CONSIDERED

24 X 40 FOUNDATION VENT CALCULATION

BASED ON 4 1/2" PAD HEIGHT

BUILDING SQUARE FOOTAGE: 36' X 40' = 1,440 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
1,440 SF / 150 SF = 9.6 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE USE: 4
24" X 3" = 72 / 144 = 0.5 SF
TOTAL VENTILATION: (4) VENTS X 0.5 = 2.0 SF

V2 12" MAX VENTS TO BE USE: 61
12" X 1.5" = 18 / 144 = 0.125 SF
TOTAL VENTILATION: (61) VENTS X 0.125 = 7.6 SF

OVERALL VENTILATION:
2.0 + 7.6 = 9.6 SF

9.6 SF > 9.6 SF VENTILATION REQUIREMENT = OK

NOTE:
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES, ADD ADDITIONAL
12" MAX VENTS AS NECESSARY. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

BASED ON 6" PAD HEIGHT

BUILDING SQUARE FOOTAGE: 36' X 40' = 1,440 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
1,440 SF / 150 SF = 9.6 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE USE: 4
24" X 4.5" = 108 / 144 = 0.75 SF
TOTAL VENTILATION: (4) VENTS X 0.75 = 3.0 SF

V2 12" MAX VENTS TO BE USE: 27
12" X 3" = 36 / 144 = 0.25 SF
TOTAL VENTILATION: (27) VENTS X 0.25 = 6.8 SF

OVERALL VENTILATION:
3.0 + 6.8 = 9.8 SF

9.8 SF > 9.6 SF VENTILATION REQUIREMENT = OK

NOTE:
ADDITIONAL 12" MAX VENTS WILL BE REQUIRED WHEN
FOUNDATION PAD HEIGHT IS LESS THAN 6" INCLUDING
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

BASED ON 8" PAD HEIGHT

BUILDING SQUARE FOOTAGE: 36' X 40' = 1,440 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
1,440 SF / 150 SF = 9.6 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE USE: 4
24" X 6" = 144 / 144 = 1.0 SF
TOTAL VENTILATION: (4) VENTS X 1.0 = 4.0 SF

V2 12" MAX VENTS TO BE USE: 15
12" X 4.5" = 54 / 144 = 0.38 SF
TOTAL VENTILATION: (15) VENTS X 0.38 = 5.7 SF

OVERALL VENTILATION:
4.0 + 5.7 = 9.7 SF

9.7 SF > 9.6 SF VENTILATION REQUIREMENT = OK

NOTE:
ADDITIONAL 12" MAX VENTS WILL BE REQUIRED WHEN
FOUNDATION PAD HEIGHT IS LESS THAN 9" INCLUDING
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

BASED ON 9" PAD HEIGHT

BUILDING SQUARE FOOTAGE: 36' X 40' = 1,440 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
1,440 SF / 150 SF = 9.6 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE USE: 4
24" X 7.5" = 180 / 144 = 1.25 SF
TOTAL VENTILATION: (4) VENTS X 1.25 = 5.0 SF

V2 12" MAX VENTS TO BE USE: 10
12" X 6" = 72 / 144 = 0.5 SF
TOTAL VENTILATION: (10) VENTS X 0.5 = 5.0 SF

OVERALL VENTILATION:
5.0 + 5.0 = 10.0 SF

10.0 SF > 9.6 SF VENTILATION REQUIREMENT = OK

NOTE:
ADDITIONAL 12" MAX VENTS WILL BE REQUIRED WHEN
FOUNDATION PAD HEIGHT IS LESS THAN 9" INCLUDING
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

BASED ON 10 1/2" PAD HEIGHT

BUILDING SQUARE FOOTAGE: 36' X 40' = 1,440 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
1,440 SF / 150 SF = 9.6 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE USE: 4
24" X 9" = 216 / 144 = 1.5 SF
TOTAL VENTILATION: (4) VENTS X 1.5 = 6.0 SF

V2 12" MAX VENTS TO BE USE: 6
12" X 7.5" = 90 / 144 = 0.6 SF
TOTAL VENTILATION: (6) VENTS X 0.6 = 3.6 SF

OVERALL VENTILATION:
6.0 + 3.6 = 9.6 SF

9.6 SF > 9.6 SF VENTILATION REQUIREMENT = OK

NOTE:
ADDITIONAL 12" MAX VENTS WILL BE REQUIRED WHEN
FOUNDATION PAD HEIGHT IS LESS THAN 9" INCLUDING
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

BASED ON 12" PAD HEIGHT

BUILDING SQUARE FOOTAGE: 36' X 40' = 1,440 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
1,440 SF / 150 SF = 9.6 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE : 4
24" X 10.5" = 252 / 144 = 1.75 SF
TOTAL VENTILATION: (4) VENTS X 1.75 = 7.0 SF

V2 12" MAX VENTS TO BE USE: 4
12" X 9" = 108 / 144 = 0.75 SF
TOTAL VENTILATION: (4) VENTS X 0.75 = 3.0 SF

OVERALL VENTILATION:
7.0 + 3.0 = 10.0 SF

10.0 SF > 9.6 SF VENTILATION REQUIREMENT = OK

NOTE:
ADDITIONAL 12" MAX VENTS WILL BE REQUIRED WHEN
FOUNDATION PAD HEIGHT IS LESS THAN 12" INCLUDING
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

NOTE:
THE CALCULATION CHARTS ARE FOR REFERENCE ONLY AND CAN BE USE WHERE SITE CONDITION VARY BETWEEN 1" - 1" FROM ONE END OF THE FOUNDATION TO THE OTHER. THE CHART SHALL NOT BE CONSIDERED WHERE SEVERE GRADE SLOPES EXIST. PAD HEIGHTS THAT MEASURES IN BETWEEN THE HEIGHTS CALCULATED ON THE CHARTS, THE SMALLER PAD HEIGHT SHALL BE CONSIDERED

36 X 40 FOUNDATION VENT CALCULATION

BASED ON 13 1/2" PAD HEIGHT

BUILDING SQUARE FOOTAGE: 36' X 40' = 1,440 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
1,440 SF / 150 SF = 9.6 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE : 4
24" X 12" = 288 / 144 = 2.0 SF
TOTAL VENTILATION: (4) VENTS X 2.0 = 8.0 SF

V2 12" MAX VENTS TO BE USE: 2
12" X 10.5" = 126 / 144 = 0.9 SF
TOTAL VENTILATION: (2) VENTS X 0.9 = 1.8 SF

OVERALL VENTILATION:
8.0 + 1.8 =9.8 SF

9.8 SF > 9.6 SF VENTILATION REQUIREMENT = OK

NOTE:
ADDITIONAL 12" MAX VENTS WILL BE REQUIRED WHEN
FOUNDATION PAD HEIGHT IS LESS THAN 12" INCLUDING
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

BASED ON 15" PAD HEIGHT

BUILDING SQUARE FOOTAGE: 36' X 40' = 1,440 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
1,440 SF / 150 SF = 9.6 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE : 4
24" X 13.5" = 324 / 144 = 2.25 SF
TOTAL VENTILATION: (4) VENTS X 2.25 = 9.0 SF

V2 12" MAX VENTS TO BE USE: 1
12" X 12" = 144 / 144 = 1.0 SF
TOTAL VENTILATION: (1) VENTS X 1.0 = 1.0 SF

OVERALL VENTILATION:
9.0 + 1.0 =10.0 SF

10.0 SF > 9.6 SF VENTILATION REQUIREMENT = OK

NOTE:
ADDITIONAL 12" MAX VENTS WILL BE REQUIRED WHEN
FOUNDATION PAD HEIGHT IS LESS THAN 12" INCLUDING
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

BASED ON 16 1/2" - 18" MAX PAD HEIGHT

BUILDING SQUARE FOOTAGE: 36' X 40' = 1,440 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
1,440 SF / 150 SF = 9.6 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE : 4
24" X 15" = 360 / 144 = 2.5 SF
TOTAL VENTILATION: (4) VENTS X 2.5 = 10.0 SF

V2 12" MAX VENTS TO BE USE: 0
(ONE VENT IS REQUIRED TO BE USE FOR 3RD SIDE CROSS VENTILATION)

OVERALL VENTILATION:
10.0 + 0.0 =10.0 SF

10.0 SF > 9.6 SF VENTILATION REQUIREMENT = OK

NOTE:
THE 12" MAX VENTS IS NOT REQUIRED WHERE PAD HEIGHT
IS 16 1/2" AND TALLER HOWEVER IS REQUIRED FOR 3RD SIDE
CROSS VENTILATION. FOR A TRADE OFF, ONE OF THE TWO
24" MAX FIXED VENT CAN BE ELIMINATED AND COMPENSATED
TO THE 3RD SIDE FOUNDATION. SITE CONDITIONS WHERE THE 24" MAX
FIXED VENT IS BLOCKED OR SLOPED GRADES, THE 12" MAX VENT MUST
BE CONSIDERED. THE 12" MAX VENT CAN BE INSTALLED ANYWHERE ON
THE PLAN ABIDING BY DETAIL #10A/F-5

BASED ON 4 1/2" PAD HEIGHT

BUILDING SQUARE FOOTAGE: 48' X 40' = 1,920 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
1,920 SF / 150 SF = 12.8 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE USE: 4
24" X 3" = 72 / 144 = 0.5 SF
TOTAL VENTILATION: (4) VENTS X 0.5 = 2.0 SF

V2 12" MAX VENTS TO BE USE: 87
12" X 1.5" = 18 / 144 = 0.125 SF
TOTAL VENTILATION: (87) VENTS X 0.125 = 10.9 SF

OVERALL VENTILATION:
2.0 + 10.9 = 12.* SF

12.9 SF > 12.8 SF VENTILATION REQUIREMENT = OK

NOTE:
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES, ADD ADDITIONAL
12" MAX VENTS AS NECESSARY. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

BASED ON 6" PAD HEIGHT

BUILDING SQUARE FOOTAGE: 48' X 40' = 1,920 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
1,920 SF / 150 SF = 12.8 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE USE: 4
24" X 4.5" = 108 / 144 = 0.75 SF
TOTAL VENTILATION: (4) VENTS X 0.75 = 3.0 SF

V2 12" MAX VENTS TO BE USE: 40
12" X 3" = 36 / 144 = 0.25 SF
TOTAL VENTILATION: (40) VENTS X 0.25 = 10.0 SF

OVERALL VENTILATION:
3.0 + 10.0 = 13.0 SF

13.0 SF > 12.8 SF VENTILATION REQUIREMENT = OK

NOTE:
ADDITIONAL 12" MAX VENTS WILL BE REQUIRED WHEN
FOUNDATION PAD HEIGHT IS LESS THAN 6" INCLUDING
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

BASED ON 8" PAD HEIGHT

BUILDING SQUARE FOOTAGE: 48' X 40' = 1,920 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
1,920 SF / 150 SF = 12.8 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE USE: 4
24" X 6" = 144 / 144 = 1.0 SF
TOTAL VENTILATION: (4) VENTS X 1.0 = 4.0 SF

V2 12" MAX VENTS TO BE USE: 24
12" X 4.5" = 54 / 144 = 0.38 SF
TOTAL VENTILATION: (24) VENTS X 0.38 = 9.12 SF

OVERALL VENTILATION:
4.0 + 9.12 = 13.12 SF

13.12 SF > 12.8 SF VENTILATION REQUIREMENT = OK

NOTE:
ADDITIONAL 12" MAX VENTS WILL BE REQUIRED WHEN
FOUNDATION PAD HEIGHT IS LESS THAN 6" INCLUDING
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

NOTE:
THE CALCULATION CHARTS ARE FOR REFERENCE ONLY AND CAN BE USE WHERE SITE CONDITION VARY BETWEEN 1/4" - 1" FROM ONE END OF THE FOUNDATION TO THE OTHER. THE CHART SHALL NOT BE CONSIDERED WHERE SEVERE GRADE SLOPES EXIST. PAD HEIGHTS THAT MEASURES IN BETWEEN THE HEIGHTS CALCULATED ON THE CHARTS, THE SMALL PAD HEIGHT SHALL BE CONSIDERED

48 X 40 FOUNDATION VENT CALCULATION

BASED ON 9" PAD HEIGHT

BUILDING SQUARE FOOTAGE: 48' X 40' = 1,920 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
1,440 SF / 150 SF = 12.8 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE USE: 4
24" X 7.5" = 180 / 144 = 1.25 SF
TOTAL VENTILATION: (4) VENTS X 1.25 = 5.0 SF

V2 12" MAX VENTS TO BE USE: 16
12" X 6" = 72 / 144 = 0.5 SF
TOTAL VENTILATION: (16) VENTS X 0.5 = 8.0 SF

OVERALL VENTILATION:
5.0 + 8.0 = 13.0 SF

13.0 SF > 12.8 SF VENTILATION REQUIREMENT = OK

NOTE:
ADDITIONAL 12" MAX VENTS WILL BE REQUIRED WHEN
FOUNDATION PAD HEIGHT IS LESS THAN 9" INCLUDING
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

BASED ON 10 1/2" PAD HEIGHT

BUILDING SQUARE FOOTAGE: 48' X 40' = 1,920 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
1,440 SF / 150 SF = 12.8 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE USE: 4
24" X 9" = 216 / 144 = 1.5 SF
TOTAL VENTILATION: (4) VENTS X 1.5 = 6.0 SF

V2 12" MAX VENTS TO BE USE: 12
12" X 7.5" = 90 / 144 = 0.6 SF
TOTAL VENTILATION: (12) VENTS X 0.6 = 3.6 SF

OVERALL VENTILATION:
6.0 + 3.6 = 13.2 SF

13.2 SF > 12.8 SF VENTILATION REQUIREMENT = OK

NOTE:
ADDITIONAL 12" MAX VENTS WILL BE REQUIRED WHEN
FOUNDATION PAD HEIGHT IS LESS THAN 9" INCLUDING
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

BASED ON 12" PAD HEIGHT

BUILDING SQUARE FOOTAGE: 48' X 40' = 1,920 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
1,440 SF / 150 SF = 12.8 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE : 4
24" X 10.5" = 252 / 144 = 1.75 SF
TOTAL VENTILATION: (4) VENTS X 1.75 = 7.0 SF

V2 12" MAX VENTS TO BE USE: 8
12" X 9" = 108 / 144 = 0.75 SF
TOTAL VENTILATION: (8) VENTS X 0.75 = 6.0 SF

OVERALL VENTILATION:
7.0 + 6.0 = 13.0 SF

13.0 SF > 12.8 SF VENTILATION REQUIREMENT = OK

NOTE:
ADDITIONAL 12" MAX VENTS WILL BE REQUIRED WHEN
FOUNDATION PAD HEIGHT IS LESS THAN 12" INCLUDING
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

BASED ON 13 1/2" PAD HEIGHT

BUILDING SQUARE FOOTAGE: 48' X 40' = 1,920 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
1,440 SF / 150 SF = 12.8 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE : 4
24" X 12" = 288 / 144 = 2.0 SF
TOTAL VENTILATION: (4) VENTS X 2.0 = 8.0 SF

V2 12" MAX VENTS TO BE USE: 6
12" X 10.5" = 126 / 144 = 0.8 SF
TOTAL VENTILATION: (8) VENTS X 0.8 = 4.8 SF

OVERALL VENTILATION:
8.0 + 4.8 = 12.8 SF

12.8 SF > 12.8 SF VENTILATION REQUIREMENT = OK

NOTE:
ADDITIONAL 12" MAX VENTS WILL BE REQUIRED WHEN
FOUNDATION PAD HEIGHT IS LESS THAN 12" INCLUDING
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

BASED ON 15" PAD HEIGHT

BUILDING SQUARE FOOTAGE: 48' X 40' = 1,920 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
1,440 SF / 150 SF = 12.8 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE : 4
24" X 13.5" = 324 / 144 = 2.25 SF
TOTAL VENTILATION: (4) VENTS X 2.25 = 9.0 SF

V2 12" MAX VENTS TO BE USE: 4
12" X 12" = 144 / 144 = 1.0 SF
TOTAL VENTILATION: (4) VENTS X 1.0 = 4.0 SF

OVERALL VENTILATION:
9.0 + 4.0 = 13.0 SF

13.0 SF > 12.8 SF VENTILATION REQUIREMENT = OK

NOTE:
ADDITIONAL 12" MAX VENTS WILL BE REQUIRED WHEN
FOUNDATION PAD HEIGHT IS LESS THAN 12" INCLUDING
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

BASED ON 16 1/2" PAD HEIGHT

BUILDING SQUARE FOOTAGE: 48' X 40' = 1,920 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
1,440 SF / 150 SF = 12.8 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE : 4
24" X 15" = 360 / 144 = 2.5 SF
TOTAL VENTILATION: (4) VENTS X 2.5 = 10.0 SF

V2 12" MAX VENTS TO BE USE: 3
12" X 13.5" = 162 / 144 = 1.1 SF
TOTAL VENTILATION: (3) VENTS X 1.0 = 3.0 SF

OVERALL VENTILATION:
10.0 + 3.0 = 13.0 SF

13.0 SF > 12.8 SF VENTILATION REQUIREMENT = OK

NOTE:
ADDITIONAL 12" MAX VENTS WILL BE REQUIRED WHEN
FOUNDATION PAD HEIGHT IS LESS THAN 12" INCLUDING
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

BASED ON 18" MAX PAD HEIGHT

BUILDING SQUARE FOOTAGE: 48' X 40' = 1,920 SF

REQUIRED VENTILATION: 1 SF / 150 SF (ALLOWED BY CODE)
1,440 SF / 150 SF = 12.8 SF VENTILATION REQUIRED

V1 24" MAX VENTS TO BE : 4
24" X 16.5" = 396 / 144 = 2.75 SF
TOTAL VENTILATION: (4) VENTS X 2.75 = 11.0 SF

V2 12" MAX VENTS TO BE USE: 2
12" X 15" = 180 / 144 = 1.3 SF
TOTAL VENTILATION: (3) VENTS X 1.3 = 2.6 SF

OVERALL VENTILATION:
11.0 + 2.6 = 13.6 SF

13.6 SF > 12.8 SF VENTILATION REQUIREMENT = OK

NOTE:
ADDITIONAL 12" MAX VENTS WILL BE REQUIRED WHEN
FOUNDATION PAD HEIGHT IS LESS THAN 12" INCLUDING
SITE CONDITIONS WHERE THE 24" MAX FIXED VENT
IS BLOCKED OR SLOPED GRADES. THE 12" MAX VENT
CAN BE INSTALLED ANYWHERE ON THE PLAN ABIDING
BY DETAIL #10A/F-5. MIN (3) SIDES FOR CROSS VENTILATION

STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

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DISTRICT/CUSTOMER NAME:
VENTURA USD

SCHOOL/SITE NAME: VENTURA HIGH SCHOOL

SHEET TITLE:

UNDER-FLOOR VENTILATION CALCULATION FOR MULTI-WIDE UNITS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122170 PC
REVIEWED FOR
SS ☐ FLS ☑ ACS ☑ CG ☐
DATE: 09/22/2023

PROFESSIONAL OF RECORD ON PC

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PROJECT SPECIFIC PROFESSIONAL OF RECORD

FIRM:
ADDRESS:
CITY:
PHONE:

REVISIONS
1 -
2 -
3 -
4 -
5 -

PROJECT NO.:	00-0000
DRAFTER:	00
SCALE:	AS NOTED
DATE:	00-00-00

SHEET NUMBER

F-8

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GENERAL SPECIFICATIONS

SECTION 1A

1. GENERAL

A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENTS APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH SECTION.

B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS.

2. SCOPE OF WORK

A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT, AND INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDING AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.

B. ALL REQUIREMENTS OF TITLE 19 AND 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS (CCR) RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:

1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE PROFESSIONAL OF RECORD.

2. INSPECTION DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION, WELDING, MECHANICAL AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICT.

3. ON SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY OF THE BUILDING INSTALLATION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.

4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT. COST OF THESE INSPETIONS/TESTS SHALL BE BORNE BY THE SCHOOL DISTRICT.

3. WORK NOT INCLUDED

A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.

B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS, WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

C. FIRE ALARM SYSTEM, FIRE EXTINGUISHER, PROGRAM BELL, CLOCK, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

4. WHEELS AND HITCH

SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

5. ACCESSIBILITY OF SITE

THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF THE BUILDING. REMOVAL OF TREES, SHRUBS, FENCING, SPRINKLERS, ETC. NECESSARY FOR MOVE-IN AND REMOVAL OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

SECTION 2A SITE ASSEMBLY

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE.

THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

2. ASSEMBLY OF ELEMENTS

A. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING.

B. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTIONS ON THE DRAWINGS. FLASHING, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER PLANS AND DETAILS OF THE ORIGINAL MANUFACTURER'S DRAWINGS.

SECTION 3A CARPENTRY

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY.

2. WORKMANSHIP

A. FRAMING- SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL, PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.

B. NAILING- IN ACCORDANCE WITH TITLE 24 CCR- TABLE 2304.10.1. NAILS SHALL BE CORROSION RESISTANT BOX NAILS.

C. MACHINE APPLIED NAILING- SHALL HAVE PRIOR DEMONSTRATION AND APPROVAL BY DSA FIELD INSPECTOR AND THE PROFESSIONAL OF RECORD. THE APPROVAL IS SUBJECT TO CONTINUES SATISFACTORY PERFORMANCE. PLYWOOD SHALL HAVE A MINIMUM THICKNESS OF 3/8". IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED, THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.

D. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING.

SECTION 4A MATERIAL SPECIFICATIONS

1. STRUCTURAL FRAMING SHALL BE HEM FIR - GRADED IN ACCORDANCE WITH THE STANDARD GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION OR STANDARD GRADING RULES NO. 16 OF THE WEST COAST LUMBER INSPECTION BUREAU, LATEST EDITIONS. GRADES SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS. (HEM FIR SOUTH IS NOT ALLOWED.) EACH PIECE SHALL BE GRADE MARKED AND NO PIECE MAY FALL BELOW GRADES INDICATED.
   ALL FRAMING EXCEPT AS NOTED HEM FIR NO. 2.
2. PLYWOOD SHALL BE AS SHOWN ON THESE DRAWINGS WITH EXTERIOR GLUE IN ACCORDANCE WITH U.S. PRODUCT STANDARD DOC PS 1-07 OR DOC PS-04. SEE DETAILS FOR PLYWOOD GRADE.
   ALL PANELS SHALL BE MARKED WITH AN APA GRADE MARK WITH AN IDENTIFICATION INDEX AS SHOWN ON DRAWINGS. USE 4'x8' PANELS, MINIMUM, EXCEPT AT BOUNDARIES AND FRAMING CHANGES WHERE MINIMUM PANEL DIMENSION SHALL BE 24" AT ROOFS AND FLOORS AND 12" AT WALLS.
3. BOLTS FOR TIMBER CONNECTIONS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1-2010 AND 2018 EDITION OF THE NDS. BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF OF THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION (NDS). BOLT HOLES SHALL BE 1/32 TO 1/16 INCH LARGER THAN BOLT DIAMETER. RE-TIGHTEN BOLTS BEFORE CLOSING IN WORK. BOLTS SHALL BE FULL BODY STEEL BOLTS WITH MINIMUM YIELD STRENGTH OF 45,000 PSI
4. LAG SCREWS SHALL BE STEEL AND CONFORM TO ANSI/ASME STANDARD B18.2.1 AND THE REQUIREMENTS OF THE 2018 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS). HOLES FOR LAG SCREW SHANKS SHALL BE BORED THE SAME DEPTH AND DIAMETER AS THE SHANK. THE REMAINING DEPTH OF PENETRATION OF THE SCREW SHALL BE BORED TO 70% OF THE SHANK DIAMETER. ONE QUARTER INCH (1/4") DIAMETER LAG SCREWS NEED NOT HAVE PRE-DRILLED HOLES IF IT CAN BE SHOWN THAT THE WOOD MEMBERS ARE NOT DAMAGED DURING INSTALLATION. PROVIDE FULL DIAMETER BODY LAG SCREWS WITH BENDING YIELD STRENGTHS PER TABLE11J AND 11K IN NDS.
5. PROVIDE MALLEABLE IRON WASHERS OR EQUIVALENT CUT PLATE WASHERS (NOT LESS THAN A STANDARD CUT WASHER) UNDER NUTS AND BOLT OR LAG SCREW HEADS WHICH BEAR ON WOOD.
6. WOOD SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.6.1 AND THE REQUIREMENTS OF THE 2018 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION (NDS). GALVANIZED OR OTHER CORROSION RESISTANT COATING WHERE EXPOSED TO WEATHER OR USED IN FOUNDATIONS. SCREWS SHALL BE STEEL WITH CUT THREADS AND BENDING YIELD STRENGTHS PER TABLES 11L AND 11M IN NDS.
7. WOOD MEMBERS SHALL BE CUT OR NOTCHED ONLY AS SHOWN ON STRUCTURAL DRAWINGS.
8. WHEN REQUIRED NAILING TENDS TO SPLIT WOOD MEMBERS, NAIL HOLES SHALL BE PRE-BORED TO 3/4 OF THE NAIL DIAMETER.
9. STRUCTURAL NAILING SHALL BE WITH BOX NAILS PER ALL REQUIREMENTS OF 2018 NDS. NAILING NOT SPECIFICALLY INDICATED SHALL COMPLY WITH CCR TITLE 24, PART 2, TABLE 2304.10.1. ALL NAILS SHALL BE GALVANIZED OR OTHER CORROSION RESISTANT COATING WHERE EXPOSED TO WEATHER, IN FOUNDATIONS AND AS NOTED ON PLANS, PER THE REQUIREMENTS OF CCR TITLE 24, PART 2, WITH MINIMUM BENDING YIELDS PER TABLE 11N, 11P, 11Q AND 11R IN NDS. (SEE NAIL EQUIVALENCE BELOW.)
10. NAIL EQUIVALENCE: (PROVIDE MINIMUM NAIL LENGTHS AS REQUIRED FOR SPECIFIED PENETRATION, TYP. U.O.N.)
    6d COMMON EQUALS .113" DIA. - PROVIDE 1.36" MIN POINT PENETRATION
    8d COMMON EQUALS .131" DIA. - PROVIDE *1.57" MIN POINT PENETRATION
    10d COMMON EQUALS .148" DIA. - PROVIDE *1.78" MIN POINT PENETRATION
    16d COMMON EQUALS .162" DIA. - PROVIDE *1.94" MIN POINT PENETRATION
    * 1 1/2" AT 2x MEMBERS
11. PRESSURE PRESERVATIVE TREATMENT SHALL BE PER SECTION 2303.1.9, CCR TITLE 24, PART 2. PROVIDE QUALITY MARK ON ALL TREATED FOUNDATION MEMBERS. PRESSURE TREATED WOOD AND IDENTIFICATION MUST COMPLY WITH CBC 2303.1.9.1. ALL FOUNDATION MEMBERS SHALL BE MARKED AS "FOR GROUND CONTACT (UC4A)" OR "FOR ABOVE GROUND USE (UC3A OR UC3B)" AS APPROPRIATE. TREAT ALL CUT ENDS OF PRESSURE TREATED MEMBERS WITH AN APPROVED PRESERVATIVE. (WILLARD W/B COPPER GREEN 2% OR AN APPROVED EQUIVALENT). WHERE NOTED, MEMBERS BELOW THE SUB FLOOR THAT ARE NOT A PART OF THE FOUNDATION SHALL BE PRESSURE TREATED PER AWPA STANDARD UI.
12. ONLY MATERIAL IN CONTACT WITH GROUND NEEDS TO BE PRESSURE TREATED, ALL OTHER FOUNDATION LUMBER CAN BE DF OR HF#2 OR EQUAL.
13. IF MACHINE NAILING IS UTILIZED FOR THIS PROJECT, CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF CCR TITLE 24, PART 2. MACHINE NAILING IS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER OR ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT.
14. FASTENERS FOR PRESSURE-PRESERVATIVE TREATED AND FIRE-RETARDANT TREATED WOOD SHALL COMPLY WITH SEC. 2304.10 OF CBC.
15. NAILS AND SPIKES USED IN WET OR EXTERIOR LOCATIONS SHALL COMPLY WITH SEC. 2304.10.1 OF CBC.
16. SHIM MATERIAL SHALL BE PLYWOOD CD EXP 1 OR EQUAL (NOT P.T.).
17. USED LUMBER IN GOOD CONDITION IS ACCEPTABLE FOR USE IN FOUNDATION SYSTEM.

SITE INSTALLATION REQUIREMENTS CLAUSE:

SITE INSTALLATION REQUIREMENTS FOR DSA CLASSROOM BUILDINGS. IN THE CASE OF EQUIPMENT LOCATED IN THE STATE OF CALIFORNIA, THE LESSEE IS RESPONSIBLE FOR THE SITE BEING CLEARED (FREE OF GRASS, SHRUBS, TREES, ETC.) AND GRADED TO WITHIN 4 1/2" OF LEVEL GRADE FOR EACH BUILDING. IF THE SITE EXCEEDS THE 4 1/2" REQUIREMENT ADDITIONAL COSTS MAY BE CHARGED

THAN 9" FROM LEVEL GRADE OR HAVE LESS THAN A 1000 PSF MINIMUM SOIL BEARING PRESSURE. PRIOR TO DELIVERY, THE LESSEE SHALL MARK THE FOUR CORNERS OF THE BUILDING ON THE SITE, INCLUDING THE DOOR LOCATION. SHOULD SPECIAL HANDLING BE REQUIRED TO EITHER PLACE, INSTALL OR REMOVE THE CLASSROOM ON THE LESSEE'S SITE DUE TO SITE OBSTRUCTIONS SUCH AS FENCING, LANDSCAPING, OTHER CLASSROOMS, ETC., ADDITIONAL COSTS WILL BE CHARGED TO LESSEE.

TEST AND INSPECTIONS:

1. PROVIDE ELECTRICAL GROUNDING TEST PER DSA IR E-1

2. NO OTHER TESTS AND INSPECTIONS ARE REQUIRED.

STRUCTURAL STEEL:

1. FABRICATION AND ERECTION OF STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE 14TH EDITION OF THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) (CBC CHAPTER 22A).
2. PRIME ALL STEEL SURFACES WITH AN APPROVED PRIMER, EXCEPT SURFACES TO BE EMBEDDED IN CONCRETE AND SURFACES TO RECEIVE FIELD WELDS. ALTERNATE: PROVIDE GALVANIZED PER ASTM A-123.
3. MATERIALS:

ROLLED STRUCTURAL STEEL SHAPES	ASTM A-992, GRADE 50
ANGLES, MISC STEEL	ASTM A36
MISCELLANEOUS PLATES	ASTM A-572 GRADE 50
STRUCTURAL STEEL PIPES	ASTM A53 TYPE E OR S, GRADE B
TYPICAL STEEL CONNECTION BOLTS	ASTM A-325
MISCELLANEOUS BOLTS	ASTM A-307
GALVANZING	ASTM A-123
RUSH-INHIBITING PRIMER	TT-P-645 ASTM

4. CONNECTED MEMBERS SHALL BEAR ONLY UPON UNTHREADED PORTIONS OF BOLTS
5. BURNING OF HOLES IS NOT ALLOWED
6. BOLT HOLES SHALL BE 1/16" LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLTS USED, UNO

STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

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VENTURA USD

SCHOOL/SITE NAME:
VENTURA
HIGH SCHOOL

SHEET TITLE:

SPECIFICATIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
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APP: 04-122170 PC
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SS ☐ FLS ☑ ACS ☑ CG ☐
DATE: 09/22/2023

PROFESSIONAL OF RECORD ON PC

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No. S5637
EXP. 12/31/24
STRUCTURAL
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PROJECT SPECIFIC PROFESSIONAL OF RECORD

FIRM:
ADDRESS:
CITY:
PHONE:

REVISIONS

1 -
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5 -

PROJECT NO.:	00-0000
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DATE:	00-00-00

SHEET NUMBER

F-9

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GENERAL NOTES

1. ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISIONS OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR
3. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR
4. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TEST AND INSPECTIONS FOR THE PROJECT
5. THIS PC IS NOT APPROVED FOR CHAPTER 7A WILDLAND URBAN AREAS. WHEN THIS PC IS SITE ADAPTED FOR PROJECT SPECIFIC, THE REQUIREMENTS IS TO BE REVIEWED AND APPROVED BY THE PROJECT SPECIFIC PLAN REVIEWER

BUILDING CODES AND STANDARDS

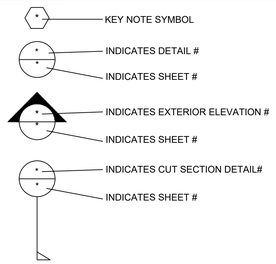
2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24, CCR
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, CCR
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24, CCR
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, CCR
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, CCR)
2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24, CCR
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, CCR
2022 CALIFORNIA EXISTING BUILDING STANDARDS CODE (CEBC), PART 10, TITLE 24
2022 CALIFORNIA GREEN BUILDING STANDARD CODE (CALGREEN), PART 11, TITLE 24 CCR
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, CCR
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS

KSC COMPANY
15345 FAIRFIELD RANCH RD - SUITE 160 CHINO HILLS, CA 91709
OFFICE: (909) 740-3120, FAX: (909) 726-9470
WEBSITE: WWW.SKCCOMPANY.COM
MANUFACTURER #MF1279666 DEALER # DL1279666
GC LIC # 992118 SBE CERTIFIED

NOTE:
REFER TO ARCHITECT'S PLAN SHEET A-2.0 FOR WILDLAND URBAN INTERFACE (WUI) REQUIREMENTS COORDINATION (I.E. SKIRTING AND VENTING)

2022 CBC
ACCESSIBLE RAMP / LANDING / STAIR PC DESIGN (LESS THAN 30" SYSTEM)
RISK CATEGORY II
PC 04-122029

DRAWING SYMBOLS & LEGEND



SHEET INDEX

SHEET NO.	ARCHITECTURAL
R-1	COVER SHEET
R-2	DSA 103 TEST & SPECIAL INSPECTIONS SAMPLE
R-3	CONSTRUCTION SPECIFICATIONS & NOTES
~~R-4~~	~~STANDARD RAMP & LANDING (ATTACHED HANDRAIL TO BUILDING)~~
~~R-5~~	~~OFFSET RAMP & LANDING (FREE STANDING HANDRAILS)~~
R-6	COMMON LANDING & RAMP
~~R-7~~	~~STAIR & LANDING DETAILS~~
~~R-8~~	~~SWITCHBACK RAMP & LANDING~~
R-9	RAMP & LANDING DETAILS

TOTAL SHEET COUNT: ~~0~~ 5

DESIGN PARAMETERS

1. RAMP LIVE LOAD: 100 PSF
2. NO SNOW LOAD (GROUND SNOW LOAD Pg= 0 psf)
3. NO FLOOD LOADING
4. WIND:
   WIND DESIGN PER ASCE 7-16, CHAPTER 29
   SEE SCHEDULE BELOW FOR SITE SPECIFIC PARAMETERS
5. SEISMIC:
   RISK CATEGORY=II
   R = 1.25 (ASCE 7-16 TABLE 15.4-2)
   Ie = 1.0
   SITE CLASS = A,B, OR D
   Ss = 2.41
   Fa = 1.0
   S_{DS} = 1.61
   S_1 = 1.4

   SITE CLASS = C, OR D (DEFAULT)
   Ss = 2.01
   Fa = 1.2
   S_{DS} = 1.61
   S_1 = 1.4
   Cs = 1.93
6. ALLOWABLE SOIL BEARING = 1000 PSF

SITE SPECIFIC PARAMETERS

INSTRUCTIONS: DESIGN PROFESSIONAL SHALL CHECK THE APPROPRIATE SELECTION BOXES BELOW AND ENTER THE DESIGN PARAMETERS APPLICABLE TO THE SPECIFIC PROJECT SITE

WIND

V = 93 MPH < 95 MPH BASIC DESIGN WIND SPEED

Kzt = 1.0 ≤ 1.0

EXPOSURE: [X] C [ ] D

SEISMIC

SELECT ONE

[X] DESIGN BASED ON SITE CLASS D DEFAULT
NO GEOTECHNICAL INVESTIGATION REQUIRED
Ss = 1.981 Fa = 1.2

[ ] DESIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16
GEOTECHNICAL INVESTIGATION PROVIDED
SITE CLASS: [ ] C [ ] D [ ] E
Ss = _____ Fa = _____ PER ASCE 7-16 SUPPL 3 TABLE 11.4-1

[ ] DESIGN BASED ON SITE CLASS GROUND MOTION HAZARD ANALYSIS PER CHAPTER 21 OF ASCE 7-16
SHORT-PERIOD DESIGN SPECTRAL RESPONSE PARAMETER, S_{DS}, SHALL BE AS SPECIFIED IN GEOTECHNICAL INVESTIGATION
CGS APPROVAL REQUIRED
NOT ELIGIBLE FOR OTC REVIEW
SITE CLASS: [ ] C [ ] D [ ] E
Ss = _____ Fa = _____

S_{DS} = 2/3 Fa Ss= 1.568 < 1.607

Cs = 1.607 USED IN DESIGN
SEISMIC DESIGN CATEGORY: [X] D [ ] E
ASCE 7-16 12.8.1.3 HAS NOT BEEN USED IN CALCULATION OF Sds

PC LIMITATIONS

1. THE MAXIMUM DECK HEIGHT DESIGNED ON THIS PC IS 30". VERIFY WITH BUILDING MANUFACTURER MAXIMUM FINISH FLOOR HEIGHT FOR ABOVE GRADE FOUNDATIONS. THE MAXIMUM DECK HEIGHT SHALL BE SET FORTH PER THE BUILDING MANUFACTURER MAXIMUM FINISH FLOOR HOWEVER NOT TO EXCEED 30" MAX
2. THE MAXIMUM RAMP HANDRAIL DESIGN ON THIS PC IS 34" AFF
3. THIS PC IS NOT DESIGNED FOR DECKS HIGHER THAN 30" OR A GUARDRAIL DESIGN AT 42" MIN WHEN DECK HEIGHT EXCEEDS 30"
4. THE MINIMUM POINT LOAD DESIGNED ON THE HANDRAILS IS 200#
5. THE RAMP CLEAR WIDTH SET FORTH ON THIS PC IS DESIGNED FOR OCCUPANCIES LESS THAN 100 (OR NO GREATER THAN 48" CLEAR WIDTH)
6. THE STAIRS MAXIMUM CLEAR WIDTH SET FORTH ON THIS PC IS 48" MAX
7. THE MAXIMUM RAMP LENGTH SET FORTH ON THIS PC IS 30'-0" MAX
8. THE MAXIMUM SINGLE DECK SECTION SET FORTH ON THIS PC IS 6'-6" X 19'-10 1/2". ADDITIONAL DECK SECTIONS CAN BE ADDED TOGETHER (SEE #8/R-9) ON ANY SIDE OF THE DECK. THE MINIMUM DECK SECTION IS SHALL BE NO LESS THAN 4'-0" X 1'-0"
9. **THE DESIGN PROFESSIONAL HAS EXEMPTED THIS RAMP FROM SPECIAL INSPECTION REQUIREMENTS FOR MATERIAL IDENTIFICATION AND STRUCTURAL WELDING. RAMP SHALL NOT BE MODIFIED NOR HAVE SHIMS ADDED CAUSING THE DISTANCE BETWEEN THE HIGHEST RAMP WALKING SURFACE AND THE ADJACENT GRADE TO BE MORE THAN 30" INCHES. IF THIS CONDITION IS NOT MET, STRUCTURAL TESTING AND/OR INSPECTION WILL BE REQUIRED TO VERIFY MATERIALS AND STRUCTURAL WELDING. THIS APPLIES TO SCOPE OF WORK INCLUDING NEW CONSTRUCTION, ALTERATION, OR RELOCATION OF RAMP. REFER TO DSA 103 APPENDIX, IR PC-2 AND IR PC-6**
10. RAMP SLOPE SHALL NOT BE LESS THAN 1:12 (OR GREATER THAN 8.33% MAX). RAMP SLOPE GRATER THAN 1:20 (OR LESS THAN 5.0%) DOES NOT NEED TO COMPLY WITH HANDRAIL REQUIREMENTS

STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS [X] FLS [X] ACS [X]
DATE: 02/06/2025

KSC COMPANY
15345 FAIRFIELD RANCH RD - SUITE 160 CHINO HILLS, CA 91709
OFFICE: (909) 740-3120, FAX: (909) 726-9470
WEBSITE: WWW.SKCCOMPANY.COM
MANUFACTURER #MF1279666 DEALER # DL1279666
GC LIC # 992118 SBE CERTIFIED

ALL DESIGNS INDICATED ON THESE PLANS/DRAWINGS ARE PROPERTY OF SKC, INC AND ARE FOR THE USE BY SKC IN THE SPECIFIED JOB ONLY. THEY SHALL NOT BE USED AND/OR DUPLICATED OR TRANSMITTED IN ANY FORM, FOR ANY PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF SKC, INC. ANY UNAUTHORIZED USE OF THESE PLANS SHALL SUBJECT THE OWNER OF SAID PROPERTY TO LIQUIDATED DAMAGES OF $75,000.00. THESE PLANS ARE PROTECTED UNDER THE PROVISIONS OF THE 1976 COPYRIGHT ACT COPYRIGHT SKC, © ALL RIGHTS RESERVED.

DISTRICT/CUSTOMER NAME:

VENTURA USD

SCHOOL/SITE NAME:

VENTURA
HIGH SCHOOL

SHEET TITLE:

COVER SHEET

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122029 PC
REVIEWED FOR
SS [X] FLS [X] ACS [X] CG [ ]
DATE: 09/27/2023

PROFESSIONAL OF RECORD ON PC

ORION
Orion Structural Engineering, Inc.
11305 RANCHO BERNARDO RD SUITE 121
SAN DIEGO CA, 92127
PHONE: (858) 679-1974

REGISTERED PROFESSIONAL ENGINEER
SEAN J. ORION
No. S6127
EXP. 12/31/24
STRUCTURAL
STATE OF CALIFORNIA

FIRM: ORION STRUCTURAL ENGINEERING, INC.
ADDRESS: 11305 RANCHO BERNARDO ROAD, SUITE 121
CITY: SAN DIEGO, CA 92127
PHONE: (858) 679-1974

PROJECT SPECIFIC PROFESSIONAL OF RECORD

FIRM:
ADDRESS:
CITY:
PHONE:

REVISIONS

1 -
2 -
3 -
4 -
5 -

PROJECT NO.:	00-0000
DRAFTER:	00
SCALE:	AS NOTED
DATE:	00-00-00

SHEET NUMBER

R-1

9/26/2023 9:27:23 AM

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

Application Number:	School Name:	School District:
04-122029	Accessible Ramp Landing Stair PC	SKC Company
DSA File Number:	Increment Number:	Date Created:
PC-116		2023-02-20 13:43:59

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

**NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required Periodic – Indicates that a periodic special inspection is required Test – Indicates that a test is required	GE (Geotechnical Engineer) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative. LOR (Laboratory of Record) – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335. PI (Project Inspector) – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA. SI (Special Inspection) – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (OTHER), 2022 CBC

Application Number:	School Name:	School District:
04-122029	Accessible Ramp Landing Stair PC	SKC Company
DSA File Number:	Increment Number:	Date Created:
PC-116		2023-02-20 13:43:59

	X1. OTHER:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Load test for identified product(s):	Test	LOR	1709A.2, 1709A.3. Testing is not required for: 1) a product with a valid evaluation service report per DSA IR A-5, or 2) a product that can be justified by structural calculation.
☐	b. Installation torque for non-HS bolts	Continuous	SI*	Applicable to communication towers identified as Essential Service Facility Projects (ESFP). Calibrated wrench use required, verified by SI during installation. DSA Policy PL 18-01: Communication Towers, Poles and Buildings Utilized by State Agencies for Essential Services Communications.*EXCEPTION: Non-ESFP may use PI without need for notification to DSA.
☐	c.			

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

Application Number:	School Name:	School District:
04-122029	Accessible Ramp Landing Stair PC	SKC Company
DSA File Number:	Increment Number:	Date Created:
PC-116		2023-02-20 13:43:59

Exempt items given in DSA IR A-22 or the 2019 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. Items marked as exempt shall be identified on the approved construction documents. The project inspector shall verify all construction complies with the approved construction documents.

	SOILS:
☐	1. Deep foundations acting as a cantilever footing with a design based on minimum allowable pressures per CBC Table 1806A.2 and without a geotechnical report for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 35'-0" tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.), C) single-story structure with dead load less than 5 psf (e.g., open fabric shade structure), or D) covered walkway structure with an apex height less than 10'-0" above adjacent grade.
☐	2. Shallow foundations, etc. are exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings without a geotechnical report and meeting the exception item #1 criteria in CBC Section 1803A.2 supported by native soil (any excavation depth) or fill soil (not exceeding 12" depth per CBC Section 1804A.6), B) soil scarification/recompaction not exceeding 12" depth, C) native or fill soil supporting exterior non-structural flatwork (e.g., sidewalks, site concrete ramps, site stairs, parking lots, driveways, etc.), D) unpaved landscaping and playground areas, or E) utility trench backfill.

	CONCRETE/MASONRY:
☐	1. Post-installed anchors for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment - see item 7 for "Welding" in the Appendix below) given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) or B) interior nonstructural wall partitions meeting criteria listed in exempt item 3 for "Welding" in the Appendix below
☐	2. Concrete batch plant inspection is not required for items given in CBC Section 1705A.3.3.2 subject to the requirements and limitations in that section.
☐	3. Non-bearing non-shear masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1. Refer to construction documents for specific exemptions accordingly for each applicable wall condition.
☐	4. Epoxy shear dowels in site flatwork and/or other non-structural concrete.

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

Application Number:	School Name:	School District:
04-122029	Accessible Ramp Landing Stair PC	SKC Company
DSA File Number:	Increment Number:	Date Created:
PC-116		2023-02-20 13:43:59

	CONCRETE/MASONRY:
☐	5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.

	WELDING:
☐	1. Solid-clad and open-mesh fences, gates with maximum leaf span of 10', and gates with a maximum rolling section of 10' all having an apex height less than 8'-0" above lowest adjacent grade. When located above circulation or occupied space below, these gates/fences are not located within 1.5x gate/fence height (max 8'-0") to the edge of floor or roof.
☑	2. Handrails, guardrails, and modular or relocatable ramps associated with walking surfaces less than 30" above adjacent grade (excluding post base connections per the 'Exception' language in Section 1705A.2.1); fillet welds shall not be ground flush.
☐	3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud.
☐	4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☐	5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☐	6. TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) (connections of such elements to superstructure elements using welding will require special inspection as noted in selected item(s) for sections S/A3, S/A4 and/or S/A5 located in the Steel/Aluminum category of listing above).
☐	7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <400# and resulting composite center of mass (including component's center of mass) ≤4' above supporting floor/roof, B) when hung from a wall or roof/floor, <20# for discrete units or <5 plf for distributed systems.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS(SIGNATURE), 2022 CBC

Application Number:	School Name:	School District:
04-122029	Accessible Ramp Landing Stair PC	SKC Company
DSA File Number:	Increment Number:	Date Created:
PC-116		2023-02-20 13:43:59

Name of Architect or Engineer in general responsible charge:

Name of Structural Engineer (When structural design has been delegated):

Signature of Architect or Structural Engineer: Date:

Note: To facilitate DSA electronic mark-ups and identification stamp application, DSA recommends against using secured electronic or digital signatures.

DSA STAMP

DSA 103-22: LIST OF REQUIRED VERIFIED REPORTS, CBC 2022

Application Number:	School Name:	School District:
04-122029	Accessible Ramp Landing Stair PC	SKC Company
DSA File Number:	Increment Number:	Date Created:
PC-116		2023-02-20 13:43:59

THE SAMPLE DSA 103 FORMS SHOWN ON THIS SHEET ARE FOR ILLUSTRATION PURPOSES ONLY. A SEPARATE DSA 103 FORM IS TO BE COMPLETED FOR EACH PROJECT SPECIFIC APPLICATION THAT THIS PC IS BEING INCORPORATED INTO. THE DSA 103 FORM IS TO BE COMPLETED BY THE ARCHITECT OF RECORD FOR THE OVERALL SCOPE OF WORK ON THE PROJECT SPECIFIC APPLICATION. MODULAR BUILDING MANUFACTURER (OR DESIGN BUILD CONTRACTOR) IS ONLY RESPONSIBLE FOR COMPLETING DSA103 FORM ON STOCKPILE PROJECTS. THE SAMPLE DSA 103 FORM SHALL BE CROSSED OUT ON THIS DRAWING.

STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

SKC COMPANY
15345 FAIRFIELD RANCH RD - SUITE 160 CHINO HILLS, CA 91709
OFFICE: (909) 740-3120, FAX: (909) 726-9470
WEBSITE: WWW.SKCCOMPANY.COM
MANUFACTURER #MF 1279666 DEALER # DL1279666
GC LIC # 992118 SBE CERTIFIED

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DISTRICT/CUSTOMER NAME:

VENTURA USD

SCHOOL/SITE NAME:

VENTURA
HIGH SCHOOL

SHEET TITLE:

DSA 103
TEST & SPECIAL INSPECTIONS
SAMPLE

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122029 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/27/2023

PROFESSIONAL OF RECORD ON PC

ORION
Structural Engineering, Inc.
11305 RANCHO BERNARDO RD
SUITE 121
SAN DIEGO CA, 92127
PHONE: (858) 679-1974

FIRM: ORION STRUCTURAL ENGINEERING, INC.
ADDRESS: 11305 RANCHO BERNARDO ROAD, SUITE 121
CITY: SAN DIEGO, CA 92127
PHONE: (858) 679-1974

PROJECT SPECIFIC PROFESSIONAL OF RECORD

FIRM:
ADDRESS:
CITY:
PHONE:

REVISIONS

1	-
2	-
3	-
4	-
5	-

PROJECT NO.:	00-0000
DRAFTER:	00
SCALE:	AS NOTED
DATE:	00-00-00

SHEET NUMBER

R-2

9/26/2023 9:27:48 AM

GENERAL NOTES

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL COMPLY WITH THE 2022 EDITION OF THE CALIFORNIA BUILDING CODE, CCR TITLE 24, PART 2 (CBC) AND CCR TITLE 24, PART 1, CHAPTER 4, GROUP 1, LATEST REVISIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING DURING CONSTRUCTION AND SHALL PROVIDE ADEQUATE SHORING AND BRACING DURING CONSTRUCTION. CONTRACTOR SHALL COMPLY WITH APPLICABLE SAFETY REGULATIONS
3. DETAILS NOT SPECIFICALLY SHOWN SHALL BE CALLED TO THE ATTENTION OF THE MANUFACTURER OR DESIGN PROFESSIONAL AND DSA.
4. THE CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE OWNER AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
5. NO STRUCTURAL MEMBERS SHALL BE CUT, NOTCHED OR OTHERWISE PENETRATED UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER IN ADVANCE OR SHOWN ON THESE DRAWINGS
6. TYPICAL DETAILS SHALL APPLY UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
7. WHERE THESE GENERAL NOTES AND TYPICAL DETAILS ARE IN CONFLICT WITH THE CUSTOMER SPECIFICATIONS, THESE GENERAL NOTES AND TYPICAL DETAILS SHALL GOVERN.
8. NOT USED
9. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND OTHER INFORMATION NOT SPECIFICALLY SHOWN ON STRUCTURAL DRAWINGS
10. ALL ELEVATIONS ARE REFERENCED FROM TOP OF FINISHED FIRST FLOOR ELEVATION = 0'-0"
11. NOT USED
12. NOT USED
13. DIMENSIONS AND ELEVATIONS SHOWN ARE APPROXIMATE AND ARE PROVIDED AS AN AID IN INTERPRETING THE DRAWINGS ONLY. DIMENSIONS AND ELEVATIONS MUST BE VERIFIED WITH ARCHITECTURAL DRAWINGS. IN THE EVENT OF CONFLICT, DIMENSIONS AND ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS SHALL GOVERN. DRAWING SCALES GIVEN ARE APPROXIMATE - DO NOT SCALE PLANS OR DETAILS
14. NOT USED

WOOD:

1. STRUCTURAL FRAMING SHALL BE HEM FIR GRADED IN ACCORDANCE WITH THE STANDARD GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION OR STANDARD GRADING RULES #17 OF THE WEST COAST LUMBER INSPECTION BUREAU, LATEST EDITIONS. GRADES SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS. (HEM FIR NORTH IS NOT ALLOWED.) EACH PIECE SHALL BE GRADE MARKED AND NO PIECE MAY FALL BELOW GRADES INDICATED.
   ALL FRAMING EXCEPT AS NOTED HEM FIR #2
2. PLYWOOD SHALL BE AS SHOWN ON THESE DRAWINGS WITH EXTERIOR GLUE IN ACCORDANCE WITH U.S. PRODUCT STANDARD PS 1-19. ALL PANELS SHALL BE MARKED WITH AN APA GRADE MARK WITH AN IDENTIFICATION INDEX AS SHOWN ON DRAWINGS.
3. LAG SCREWS SHALL BE STEEL AND CONFORM TO ANSI/ASME STANDARD B18.2.1 AND THE REQUIREMENTS OF THE 2018 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS). HOLES FOR LAG SCREW SHANKS SHALL BE BORED THE SAME DEPTH AND DIAMETER AS THE SHANK. THE REMAINING DEPTH OF PENETRATION OF THE SCREW SHALL BE BORED TO 70% OF THE SHANK DIAMETER. ONE QUARTER INCH (1/4") DIAMETER LAG SCREWS NEED NOT HAVE PRE-DRILLED HOLES IF IT CAN BE SHOWN THAT THE WOOD MEMBERS ARE NOT DAMAGED DURING INSTALLATION. PROVIDE FULL BODY DIAMETER LAG SCREWS WITH BENDING YIELD STRENGTHS PER THE 2018 NDS.
4. PROVIDE MALLEABLE IRON WASHERS OR EQUIVALENT CUT PLATE WASHERS (NOT LESS THAN A STANDARD CUT WASHER) UNDER NUTS AND BOLT OR LAG SCREW HEADS WHICH BEAR ON WOOD.
5. WOOD SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.6.1 AND THE REQUIREMENTS OF THE 2018 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS). GALVANIZED OR OTHER CORROSION RESISTANT COATING WHERE EXPOSED TO WEATHER OR USED IN FOUNDATIONS. SCREWS SHALL BE STEEL WITH CUT THREADS AND BENDING YIELD STRENGTHS NDS.
6. WOOD MEMBERS SHALL BE CUT OR NOTCHED ONLY AS SHOWN ON STRUCTURAL DRAWINGS.
7. WHEN REQUIRED NAILING TENDS TO SPLIT WOOD MEMBERS, NAIL HOLES SHALL BE PRE-BORED TO 3/4 OF THE NAIL DIAMETER.
8. STRUCTURAL NAILING SHALL BE WITH FULL HEAD COMMON NAILS PER ALL REQUIREMENTS OF THE 2018 NDS. NAILING NOT SPECIFICALLY INDICATED SHALL COMPLY WITH CCR TITLE 24, PART 2, TABLE 2304.10.2. ALL NAILS SHALL BE GALVANIZED OR OTHER CORROSION RESISTANT COATING WHERE EXPOSED TO WEATHER, IN FOUNDATIONS AND AS NOTED ON PLANS, PER THE REQUIREMENTS OF CCR TITLE 24, PART 2, WITH MINIMUM BENDING YIELDS PER THE 2018 NDS. (SEE NAIL EQUIVALENCE BELOW.)
9. NAIL EQUIVALENCE: (PROVIDE MINIMUM NAIL LENGTHS AS REQUIRED FOR SPECIFIED PENETRATION, TYP UNO) 6d EQUALS .113"Ø - PROVIDE 1.36" MIN POINT PENETRATION 8d EQUALS .131"Ø - PROVIDE *1.57" MIN POINT PENETRATION 10d EQUALS .148"Ø - PROVIDE *1.78" MIN POINT PENETRATION 16d EQUALS .162"Ø - PROVIDE *1.94" MIN POINT PENETRATION * 1 1/2" AT 2x MEMBERS
10. EXCEPT WHERE MORE STRINGENT CONSTRUCTION IS SHOWN ON THE DRAWINGS, WOOD CONSTRUCTION SHALL COMPLY WITH TITLE 24, PART 2, SECTION 2308, CONVENTIONAL LIGHT-FRAME CONSTRUCTION PROVISIONS, AS A MINIMUM
11. PRESSURE PRESERVATIVE TREATMENT SHALL BE PER SECTION 2303.1.9, CCR TITLE 24, PART 2. PROVIDE QUALITY MARK ON ALL TREATED FOUNDATION MEMBERS FROM AGENCY LISTED BY AN ACCREDITATION BODY THAT COMPLIES WITH THE REQUIREMENTS OF THE AMERICAN LUMBER STANDARDS TREATED WOOD PROGRAM. ALL FOUNDATION MEMBERS SHALL BE IDENTIFIED PER SECTION 2303.1.9.1. TREAT ALL CUT ENDS OF PRESSURE TREATED MEMBERS WITH AN APPROVED PRESERVATIVE. (WILLARD W/B COPPER GREEN 2% OR AN APPROVED EQUIVALENT).
12. MACHINE NAILING IS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER OR ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT.
13. POWDER DRIVEN FASTENERS SHALL BE BY HILTI, INC, HILTI FASTENING SYSTEMS - OR EQUAL. INSTALL IN ACCORDANCE WITH DRAWINGS AND THE MANUFACTURER'S RECOMMENDATIONS AND ICC APPROVALS
14. FASTENERS FOR PRESSURE-PRESERVATIVE TREATED WOOD SHALL COMPLY WITH SECTION 2304.10.6 OF CBC
15. NAILS AND SPIKES USED IN WET OR EXTERIOR LOCATIONS SHALL COMPLY WITH SECTION 2304.10.2.1 OF CBC

STRUCTURAL STEEL:

1. NOT USED
2. NOT USED
3. NOT USED
4. ALL WELDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA BUILDING CODE (CBC) AND THE STRUCTURAL WELDING CODE – STEEL, AWS D1.1, 2015 EDITION OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY SHIELDING ELECTRIC-ARC OR FLUX-CORED PROCESS COMPLYING WITH AWS.
5. FABRICATION AND ERECTION OF STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2016 EDITION OF THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) (CBC CHAPTER 22A). ALSO COMPLY WITH REQUIREMENTS OF THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES. TEMPORARY BRACING IS REQUIRED AS NEEDED UNTIL ALL ELEMENTS SHOWN ON STRUCTURAL DRAWINGS ARE IN PLACE.
6. PRIME ALL STEEL SURFACES WITH AN APPROVED PRIMER, EXCEPT SURFACES TO BE EMBEDDED IN CONCRETE AND SURFACES TO RECEIVE FIELD WELDS. TOUCH-UP FIELD WELDS AND OTHER EXPOSED STEEL SURFACES AFTER ERECTION. ALTERNATE: PROVIDE GALVANIZED PER ASTM A-123.
7. N/A
8. QUALIFIED AND CERTIFIED WELDERS SHALL BE USED FOR ALL WELDING. ALL WELDING TO CONFORM TO THE 2015 EDITION OF THE AMERICAN WELDING SOCIETY STRUCTURAL WEDLING CODE AWS D1.1
9. MATERIALS:

ANGLES, MISC STEEL	ASTM A36
PLATES	ASTM A-572 GRADE 50
WELDING ELECTRODES	AWS STRUCTURAL STEEL E70XX,
TYPICAL STEEL CONNECTION BOLTS	ASTM A307 GRADE A
RUSH-INHIBITING PRIMER	TT-P-645
RECTANGULAR HSS MEMBERS	ASTM A-500 GRADE B (Fy = 46 KSI)

10. CONNECTED MEMBERS SHALL BEAR ONLY UPON UNTHREADED PORTIONS OF BOLTS
11. BURNING OF HOLES IS NOT ALLOWED
12. NOT USED
13. THE STRUCTURAL STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION
14. BOLT HOLES SHALL BE 1/16" LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLTS USED, UNO

ACCEPTABLE FASTENERS:

SELF-TAPPING SCREWS	SECT 3.2.12 ASTM C1513
SELF-DRILLING SCREWS	SECT 3.2.9 ASTM C1513
SELF-PIERCING SCREWS	SECT 3.2.9 ASTM C1513

REFERENCE ASTM C1513, STANDARD SPECIFICATION FOR TAPPING SCREWS FOR COLD-FORMED STEEL FRAMING CONNECTION

REFERENCE AISI S400-20 , NORTH AMERICAN STANDARD FOR SEISMIC DESIGN

FASTENERS MANUFACTURED WITH CARBON STEEL WIRE SHALL CONFORM TO ASTM A510

TESTING - THE OPERATOR, TOOL, AND FASTENER SHALL BE PRE-QUALIFIED BY THE PROJECT INSPECTOR. HE SHALL OBSERVE THE TESTING OF THE FIRST 10 FASTENER INSTALLATIONS. A TEST "PULL-OUT" LOAD OF NOT LESS THAN TWICE THE DESIGN LOAD SHALL BE APPLIED TO THE PIN IN SUCH A MANNER AS NOT TO RESIST THE SPALLING TENDENCY OF THE CONCRETE SURROUNDING THE PIN. THEREAFTER, RANDOM TEST UNDER THE PROJECT INSPECTOR'S SUPERVISION SHALL BE MADE OF APPROXIMATELY 1 IN 10 PINS. IF ANY PIN FAILS TESTING, TEST ALL PINS OF THE SAME CATEGORY NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE PASS, THEN RESUME THE INITIAL TESTING FREQUENCY.

COLD FORMED STRUCTURAL STEEL:

1. NOT USED
2. NOT USED
3. CORROSION PROTECT PER TABLE A4-1 BELOW
4. GALVANIZED COATINGS MUST MEET ASTM A-525 SPECIFICATIONS
5. CARBON SHEET STEEL MUST MEET THE MINIMUM REQUIREMENTS OF ASTM A-1011 SS GRADE 55 & 33 GRADE 55 KSI FOR 10, 12, 14, AND 16 GAUGE AND GRADE 33 KSI FOR 18 GAUGE AND LIGHT MEMBERS UON. CARBON SHEET STEEL PRODUCTS MUST BE THOROUGHLY COATED WITH A RUST INHIBITIVE PAINT.
6. ALL STRUCTURAL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH AMERICAN IRON AND STEEL INSTITUTE (AISI) NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STRUCTURAL STEEL MEMBERS LATEST ADOPTED EDITION AISI S100-16 (2020) W/S2-20.
7. NOT USED
8. NOT USED
9. FASTENINGS OF COMPONENTS SHALL BE WITH SELF-DRILLINGS SCREWS OR WELDING. SCREWS OR WELDS SHALL BE SUFFICIENT SIZE TO INSURE THE STRENGTH OF THE CONNECTION. ALL WELDS OF GALVANIZED STEEL SHALL BE TOUCHED UP WITH ZINC-RICH PAINT. ALL WELDS OF CARBON SHEET STEEL SHALL BE TOUCHED UP WITH PAINT
10. NOT USED
11. PROVIDE SHOP DRAWINGS INDICATING MEMBERS GAUGES, SHAPES, SIZES, SPACING, LOCATIONS AND CONNECTIONS
12. STUDS SHALL BE INSTALLED WITH THEIR BEARING ENDS POSITIONED FLUSH AGAINST THE INSIDE TRACK WEB.
13. NOT USED
14. NOT USED
15. N/A
16. NOT USED
17. ALL SHEET METAL SCREWS SHALL BE THREAD FORMING OR THREAD CUTTING, WITH OR WITHOUT A SELF-DRILLING POINT PER AISI
18. ALL WELDING OR MATERIAL LESS THAN 0.18 INCHES IN THICKNESS SHALL BE MADE IN ACCORDANCE WITH THE AWS D1.3 WELDERS AND WELDING PROCEDURES AND SHALL BE QUALIFIED AS SPECIFIED IN AWS D1.3
19. TOUCH UP COLD GALVANIZING USING ZRC CHEMICAL PRODUCTS CO.M, ZRC COLD GALVANIZING COMPOUND OR EQUAL
20. SPLICES IN STUDS SHALL NOT BE PERMITTED

CORROSION PROTECTION:

1. STRUCTURAL MEMBERS UTILIZED IN COLD-FORMED STEEL FRAMED CONSTRUCTION SHALL HAVE A PROTECTIVE COATING AS SPECIFIED IN TABLE A4-1

TABLE A4-1
COATING DESIGNATIONS

COATING CLASSIFICATION	COATING DESIGNATOR	MINIMUM COATING REQUIREMENTS			
		ZINC COATED[A] OZ/FT^2 (G/M^2)	ZINC IRON[B] OZ/FT^2 (G/M^2)	55% AL-ZINC[C] OZ/FT^2 (G/M^2)	ZINCE-5%[D] OZ/FT^2 (G/M^2)
METALLIC COATED	CP 60	G60 [Z180]	A60 [F180]	AZ50 [AZM150]	CF30 [ZGF90]
	CP 90	G90 [Z275]	NOT APPLICABLE	AZ50 [AZM150]	CF45 [ZGF135]
PAINTED METALLIC	PM	THE METALLIC COATED SUBSTRATE SHALL MEET THE REQUIREMENTS OF METALLIC COATED. IN ADDITION, THE PAINT FILM SHALL HAVE A MINIMUM THICKNESS OF 0.5 MIL PER SIDE (PRIMER PLUS TOPCOAT) WITH A MINIMUM PRIMER THICKNESS OF 0.1 MIL PER SIDE			

[A] ZINC-COATED STEEL SHEET AS DESCRIBED IN ASTM A653/A653M
[B] ZINC-IRON ALLOY-COATED STEEL SHEET AS DESCRIBED IN ASTM A653/A653M
[C] 55% ALUMINUM-ZINCE ALLOY COATED STEEL SHEET AS DESCRIBED IN ASTM A792/A792M
[D] ZINCE-5% ALUMINUM ALLOY-COAED STEEL SHEET AS DESCRIBED IN ASTM A875/A875M
[E] IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A1003/A1003M

2. ADDITIONAL CORROSION PROTECTION SHALL NOT BE REQUIRED ON EDGES OF METALLIC-COATED STEEL FRAMING MEMBERS, SHOP OR FIELD CUT, PUNCHED OR DRILLED
3. UNLESS ADDITIONAL CORROSION PROTECTION IS PROVIDED, FRAMING MEMBERS SHALL BE LOCATED WITHIN THE BUILDING ENVELOPE AND SHIELDED FROM DIRECT CONTACT WITH MOISTURE FROM THE GROUND OR THE OUTDOOR CLIMATE

ACCESS NOTES

1. RAMPS HAVING SLOPES STEEPER THAN 1 VERTICAL TO 20 HORIZONTAL SHALL HAVE LANDINGS AT TOP AND BOTTOM AND AT LEAST ONE INTERMEDIATE LANDING SHALL BE PROVIDED FOR EACH 30" RISE OF RISE PER CBC 11B-405.7
2. LOCATION OF LANDINGS - LANDINGS SHALL BE PROVIDED AT THE TOP AND BOTTOM OF EACH RAMP. INTERMEDIATE LANDINGS SHALL BE PROVIDED A INTERVALS NOT EXCEEDING 30" OF VERTICAL RISE AND AT EACH CHANGE OF DIRECTION. LANDINGS ARE NOT CONSIDERED IN DETERMINING THE MAXIMUM HORIZONTAL DISTANCE OF EACH RAMP

   EXAMPLES OF RAMP DIMENSIONS:

SLOPE:	MAX RISE (INCHES):	MAX HORIZONTAL PROJECTION:
1:12	30	30'-0"
1:15	30	37'-6"
1:16	30	40'-0"

   SIZE OF LANDINGS SHALL NOT BE LESS THAN 60" WIDE AND SHALL HAVE A LENGTH OF NOT LESS THAN 60" IN THE DIRECTION OF THE RAMP RUN PER CBC 11B-405.7.2 & 11B-405.7.3. AT THE BOTTOM LANDING OR LANDING AT CHANGE OF RAMP DIRECTION, THE LANDING SHALL SLOPE 1:48 MAX AND EXTEND MIN 72" IN THE DIRECTION OF THE RAMP
3. DOORS IN ANY POSITION SHALL NOT BE REDUCE THE MINIMUM DIMENSIONS OF THE LANDING TO LESS THAN 42" AND SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN 3" WHEN FULLY OPENED PER CBC 11B-405.7.5
4. RAMPS SHALL BE CONSTRUCTED AS REQUIRED. ALL REQUIREMENTS SHALL CONFORM TO CBC 11B-405
5. THE SURFACE OF RAMPS, LANDING & STAIRS SHALL BE ROUGHED OR SHALL BE OF SLIP-RESISTANT MATERIAL WITH A COEFFICIENT OF FRICTION OF 0.6 FOR LANDINGS AND 0.8 FOR RAMP AND STAIRS
6. RAMPS AND STAIRWAY USED AS THE EXIT REQUIRED WIDTH SHALL CONFORM TO CBC SECTION 1009, 1010, CHAPTER 11B & 11B-405.5
7. HANDRAILS SHALL CONFORM TO CBC SECTION 11B-405.8 (RAMPS) AND 11B-504.6 (STAIRS)
8. STRIKE EDGE EXTENSION THE WIDTH OF THE LANDING SHALL EXTEND 24" PAST THE STRIKE EDGE OF ANY DOOR OR GATE FOR EXTERIOR RAMPS AND 18" PAST THE STRIKE EDGE FOR INTERIOR RAMPS. FOR DOOR SWINGING INTO LANDING, 42" MIN IS REQUIRED PER 11B-405.7.5
9. CHANGE IN DIRECTION - RAMPS THAT CHANGE DIRECTION BETWEEN RUNS AT LANDING SHALL HAVE A CLEAR LANDING 60" MINIMUM BY 72" MINIMUM IN THE DOWNWARD DIRECTION OF TRAVEL PER CBC 11B-405.7.4 AND 72" MIN REQUIRED AT THE BOTTOM LANDING
10. THE WIDTH OF RAMPS SHALL HAVE A MINIMUM WIDTH OF 48" OR AS WIDE AS REQUIRED EXIT WIDTH IF LARGER REQUIRED PER STAIRWAY AND EXITS PER CBC 11B-405.5
11. LANDINGS AND RAMPS SHALL BE SLOPED AT 1:48 MAX TO PREVENT THE ACCUMULATION OF WATER ON WALKING SURFACES PER CBC 11B-405.10. SEE CBC 11B-504.7 FOR STAIRS
12. SITE CONDITION: DUE TO VARIES SITE CONDITIONS, THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 26". THEREFORE IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE COMMON LANDING COULD BE 26'-0". AT A SLOPE OF 1:12, THE ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY SKC COMPANY IS 11'-0". AT A SLOPE OF 1:12 THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE SUFFICIENT DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING DEPENDING ON PARTICULAR SITE CONDITIONS ICS WILL NOT BE RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING ORIGINAL PLAN AS SHOWN ON PLANS

STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

SKC COMPANY
15345 FAIRFIELD RANCH RD - SUITE 160 CHINO HILLS, CA 91709
OFFICE: (909) 740-3120, FAX: (909) 726-9470
WEBSITE: WWW.SKCCOMPANY.COM
MANUFACTURER #MF1279666 GC LIC # 992118
DEALER # DL1279666 SBE CERTIFIED

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DISTRICT/CUSTOMER NAME:

VENTURA USD

SCHOOL/SITE NAME:

VENTURA
HIGH SCHOOL

SHEET TITLE:

CONSTRUCTION SPECIFICATIONS AND NOTES

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122029 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/27/2023

PROFESSIONAL OF RECORD ON PC

ORION
Structural Engineering, Inc.
11305 RANCHO BERNARDO RD
SUITE 121
SAN DIEGO CA, 92127
PHONE: (858) 679-1974

REGISTERED PROFESSIONAL ENGINEER
STAN T. ORION
No. 18127
EXP. 12/31/24
STRUCTURAL
STATE OF CALIFORNIA

FIRM: ORION STRUCTURAL ENGINEERING, INC.
ADDRESS: 11305 RANCHO BERNARDO ROAD, SUITE 121
CITY: SAN DIEGO, CA 92127
PHONE: (858) 679-1974

PROJECT SPECIFIC PROFESSIONAL OF RECORD

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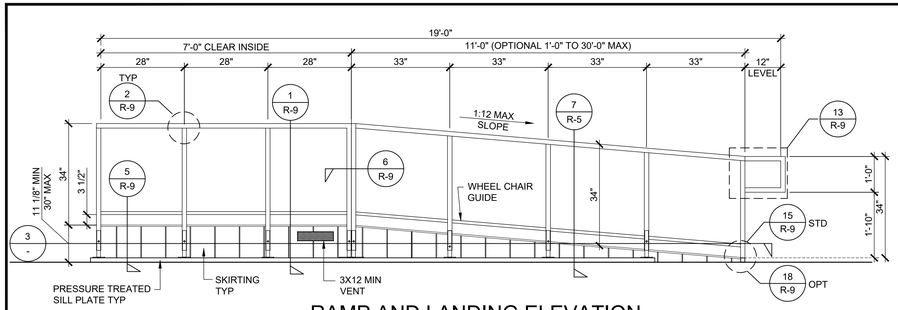
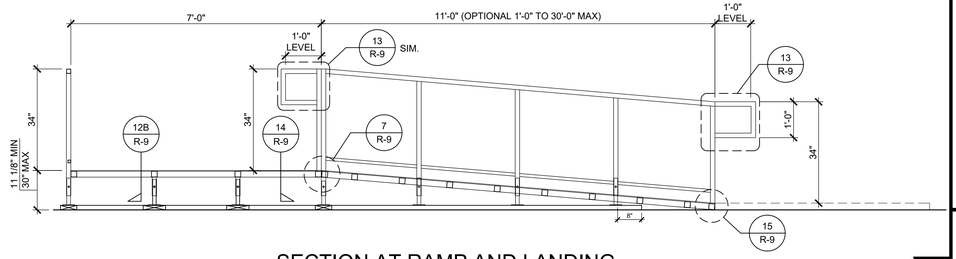


RAMP AND LANDING ELEVATION

SCALE: 1/2" = 1'-0"

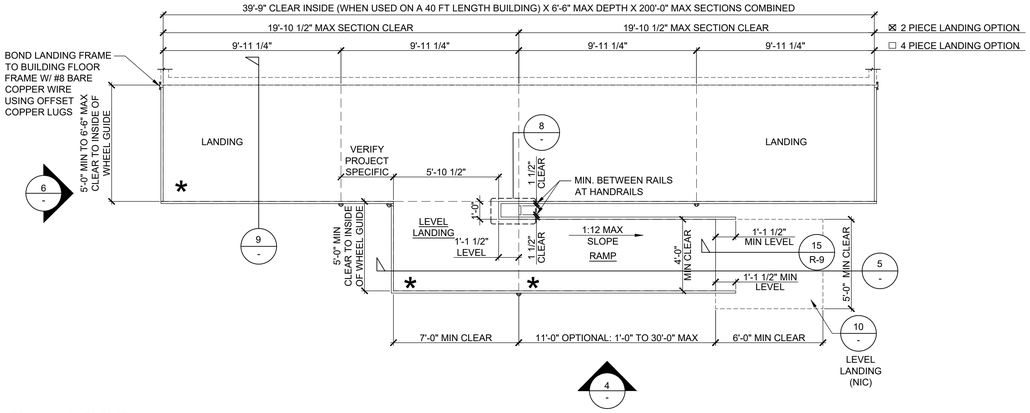
4



SECTION AT RAMP AND LANDING

SCALE: 1/2" = 1'-0"

5



* RAMPS AND LANDINGS TO BE SLOPED SO AS NOT TO RETAIN STANDING WATER,1:48 (2.083%) MAX SLOPE

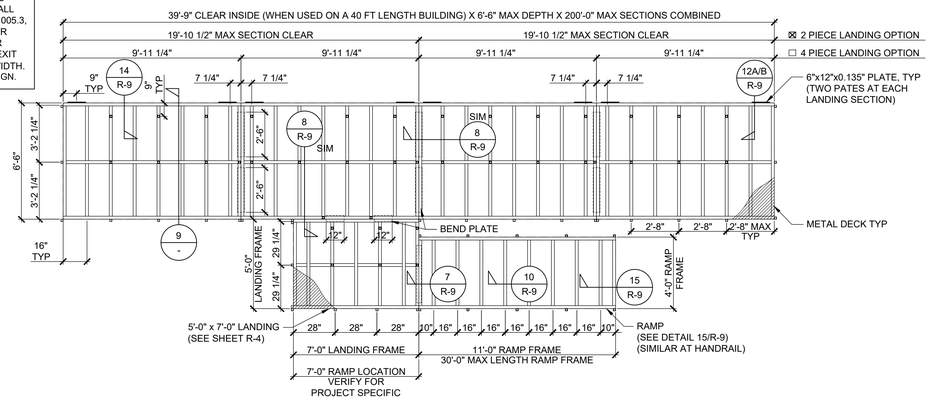
RAMP AND LANDING AT BUILDING

SCALE: 1/4" = 1'-0"

1

NOTE:
PER CBC 1012.5.1 MINIMUM EGRESS WIDTH SHALL COMPLY WITH CBC 1020.3 (CORRIDORS)

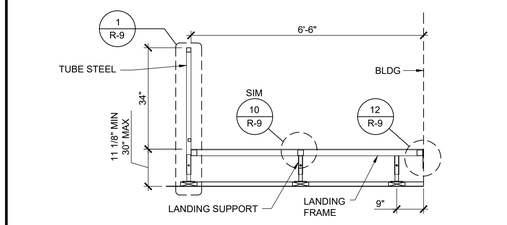
1020.3
THE MIN WIDTH OF CORRIDORS SPECIFIED IN TABLE 1020.3 SHALL BE DETERMINED BY SECTION 1005.3, PER OCCUPANT. HOWEVER FOR GROUP E IF THERE ARE 100 OR MORE OCCUPANTS REQ'D TO EXIT THE RAMP SHALL BE 72" MIN WIDTH. THIS WILL REQUIRE A NEW DESIGN.



RAMP AND LANDING FRAMING PLAN

SCALE: 1/4" = 1'-0"

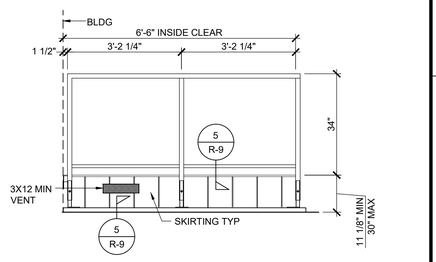
2



SECTION AT LANDING

SCALE: 1/2" = 1'-0"

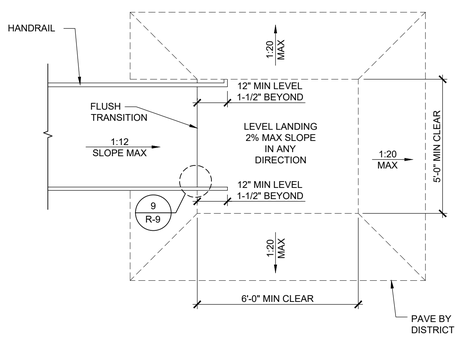
9



LANDING ELEVATION

SCALE: 1/2" = 1'-0"

6



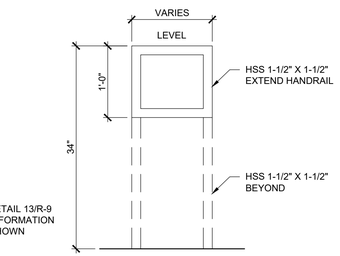
NOTE:
1. 1:20 TRANSITIONS OFF OF LOWER LANDING REQUIRES NO HANDRAILS.
2. TRANSITIONS EXCEEDING 1:20 BUT NOT TO EXCEED 1:12 REQUIRE REMOVAL OF 12" HANDRAIL EXTENSION AND ADDITIONAL HANDRAILING ALSO REQUIRES ADDITIONAL RAMP LENGTH BY DISTRICT. (THIS CONDITION REQUIRES A SITE SPECIFIC DETAIL PROVIDED BY ARCHITECT TO DEMONSTRATE ACCESSIBLE RAMP.)

* RAMPS AND LANDINGS TO BE SLOPED SO AS NOT TO RETAIL STANDING WATER,1:48 (2.083%) MAX SLOPE.

LANDING ELEVATION (REAR)

SCALE: 3/8" = 1'-0"

10

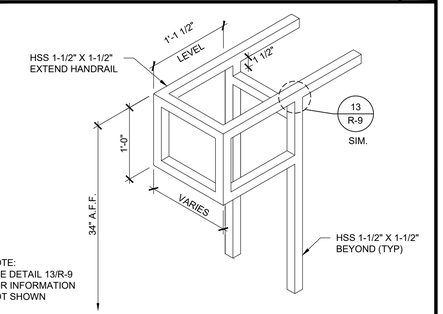


NOTE:
SEE DETAIL 13/R-9 FOR INFORMATION NOT SHOWN

RETURN EXTEND HANDRAIL ELEVATION

SCALE: 1" = 1'-0"

7

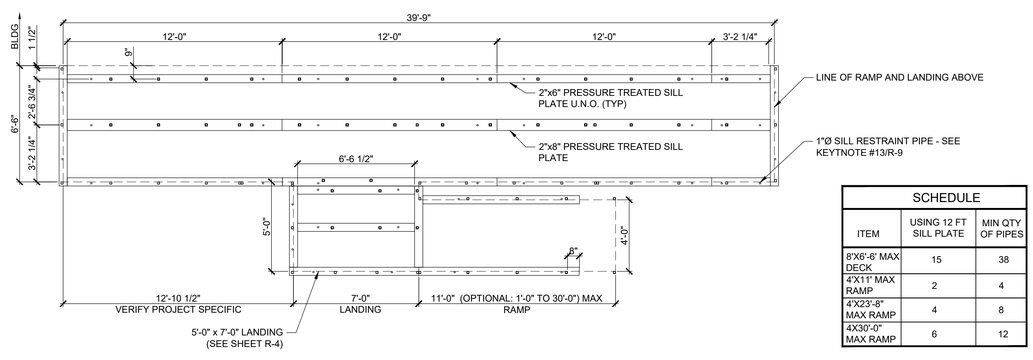


NOTE:
SEE DETAIL 13/R-9 FOR INFORMATION NOT SHOWN

RETURN EXTEND HANDRAIL ISOMETRIC

SCALE: 1" = 1'-0"

8



SCHEDULE		
ITEM	USING 12 FT SILL PLATE	MIN QTY OF PIPES
8'X6'-6" MAX DECK	15	38
4'X11' MAX RAMP	2	4
4'X23'-8" MAX RAMP	4	8
4X30'-0" MAX RAMP	6	12

SILL PLAN FOR RAMP AND LANDING

SCALE: 1/4" = 1'-0"

3

STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

SKC COMPANY
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GC LIC # 992118 SBE CERTIFIED

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SCHOOL/SITE NAME:

VENTURA
HIGH SCHOOL

SHEET TITLE:

COMMON LANDING & RAMP PLAN

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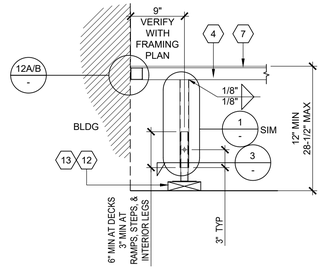
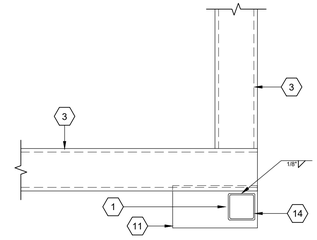


INTERIOR ADJUSTABLE SUPPORT LEGS

SCALE: 1" = 1'-0"

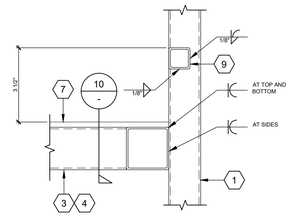
14



RAMP TOE (PLAN VIEW)

SCALE: 6" = 1'-0"

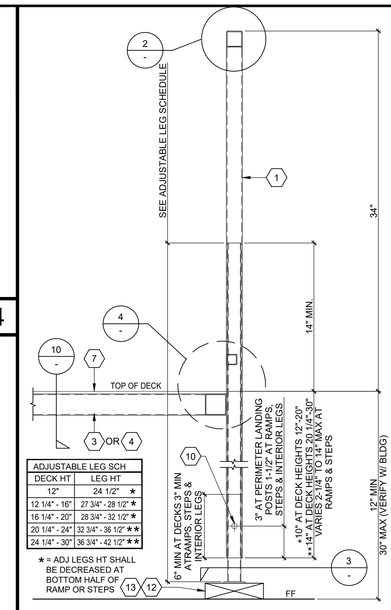
9



VERTICAL TUBE TO LANDING/RAMP

SCALE: 6" = 1'-0"

4



ADJUSTABLE LEG SCH	
DECK HT	LEG HT
12"	24 1/2" ★
12 1/4" - 16"	27 3/4" - 28 1/2" ★
16 1/4" - 20"	28 3/4" - 32 1/2" ★
20 1/4" - 24"	32 3/4" - 36 1/2" ★★
24 1/4" - 30"	36 3/4" - 42 1/2" ★★

★ = ADJ LEGS HT SHALL BE DECREASED AT BOTTOM HALF OF RAMP OR STEPS

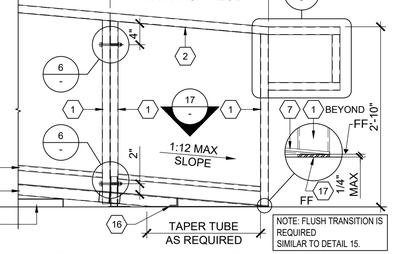
SECTION AT DECK & HANDRAIL

SCALE: 3" = 1'-0"

1

KEY NOTES

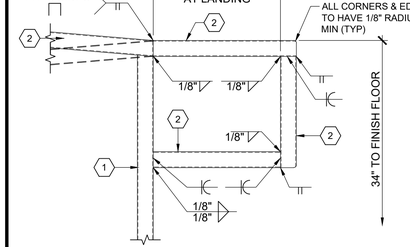
1. VERTICAL RAIL POST TUBE: 1 1/2" X 1 1/2" X 14 GA MIN (T = 0.075") SQUARE TUBE.
2. HANDRAIL TUBE: 1 1/2" X 1 1/2" X 16 GA MIN (T =0.060") SQUARE TUBE
3. STAIR TREAD AND RISER TUBE: 2" X 2" X 14 GA MIN (T = 0.075") SQUARE TUBE
4. LANDING JOIST & PERIMETER TUBE: 2" X 2" X 14 GA MIN (T = 0.075") SQUARE TUBE
5. 10 GA. HANDRAIL MOUNTING BRACKET: 1/4" X 3" LAG SCREW AT WOOD STUD BUILDING OR #14 X 2" TEK SCREW AT METAL STUD BUILDING
6. NOT USED
7. 12 GA METAL DECK (0.105"): NON-SLIP SURFACE MAINTAINABLE FOR 1 YEAR. SEE ACCESS NOTES #5 AND DETAIL #4 ON SHEET R-9.
8. 6" X 12" X 0.135" STEEL PLATE AT LANDINGS. TO SECURE PLATE TO STRUCTURAL FLOOR FRAME, USE (2) #14 X 1-1/2" TEK SCREWS. TO SECURE PLATE TO BUILDING, USE (2) #14 X 2" TEK SCREWS FOR METAL STUD BUILDING OR (2) 1/4" X 3" LAG SCREWS FOR WOOD STUD BUILDING
9. WHEELCHAIR GUIDE RAILS: 1" X 1" X 14 GA MIN (t = 0.075") SQUARE TUBE
10. 3/8"Ø ZINC MACHINE BOLT WITH NUT
11. 2" X 4" 0.135" THICK BASE PLATE. DRILL (2) 5/16" HOLES FOR (2) 1/4"Ø X 1-1/2" GALV LAG SCREWS
12. 2 X HF #2 MIN PRESSURE TREATED SILL PLATE
13. 1"Ø X 14" STANDARD WEIGHT HOT DIPPED GALVANIZED PIPE AT 10'-0" OC MAX. 2'-0"MAX FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES PERDISCONTINUE FOUNDATION STRIP PER DSA IR 16-1 SECTION 3.2.3.5 DRILL SILL PLATE 1 1/2"Ø MAX HOLE PIPE SHOULD PENETRATE INTO SOIL AND/OR PAVING A MIN OF 12" MEASURED VERTICALLY PIPES SHALL BE INSTALLED ON A CONTINUOUS PLATE.
14. ADJUSTABLE LEGS: 1-1/4" X 1-1/4" X 0.105" SQUARE TUBE WELDED TO BASE PLATE
15. 6" X LENGTH OF RAMP X 0.135" CONT PLATE. TO SECURE PLATE TO BUILDING, USE 1/4" X 3" LAG SCREWS. TO SECURE PLATE TO STRUCTURAL FLOOR FRAME, USE #14 X 2" TEK SCREWS. TO SECURE PLATE TO WOOD FOUNDATION, USE 1/4" X 3" LAG SCREWS. ALL FASTENER SPACING SHALL BE AT 9" OC MAX
16. L-1 1/2" X 1-1/2" X 3/16" X WIDTH OF RAMP
17. 2" X 1/8" CONTINUOUS PLATE
18. NOT USED
19. NOT USED
20. NOT USED
21. THIS BLOCKING IS PART OF THE BUILDING. WOOD BLOCKING 4X BLOCKING X STUD DEPTH W/ A34 t&b EA. END, FOR METAL STUD 16GA "C" FLAT BLOCKING W/ (3)-#10SMS TO EA. STUD.
22. 1/2" MINIMUM PLYWOOD SKIRTING OR 5/8" SIDING. FINISH TO MATCH SIDING. ATTACH SIDING TO TUBE STEEL WITH #14 X 1-1/2" FH SCREWS AT 6" OC AND TO 2X NAILER WITH 8D HOT-DIPPED GALVANIZED NAILS AT 6" OC
23. 26 GA MIN "J" FLASHING
24. 3" X 1" X 3'-0" X 10 GA BENT PLATE (0.135")
25. 2X NAILED TO SILL PLATE WITH 16D HOT-DIPPED GALVANIZED NAILS AT 16" OC MAX. ALT: #10 X 3" MIN EXTERIOR WOOD SCREWS



SECTION AT HANDRAIL

SCALE: 1-1/2" = 1'-0"

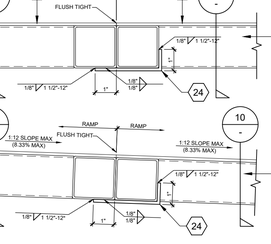
16



HANDRAIL CONNECTION

SCALE: 1-1/2" = 1'-0"

11



VERT TUBE TO VERT TUBE CONN

SCALE: 1-1/2" = 1'-0"

6

RAMP SECTION

SCALE: 3/4" = 1'-0"

17

SECTION AT PLATE

SCALE: 6" = 1'-0"

12

RAMP TO LANDING

SCALE: 6" = 1'-0"

7

HANDRAIL

SCALE: 1'-0" = 1'-0"

2

ZERO TRANSITION RAMP SECTION

SCALE: 3/4" = 1'-0"

18

HANDRAIL EXTENSION

SCALE: 1-1/2" = 1'-0"

13

RAMP OR LANDING EXTENSION

SCALE: 6" = 1'-0"

8

BASE PLATE PLAN VIEW

SCALE: 6" = 1'-0"

3

FINISH GRADE TRANSITION

SCALE: 6" = 1'-0"

15

DECK TO FRAME

SCALE: 6" = 1'-0"

10

SKIRTING INSTALLATION

SCALE: 6" = 1'-0"

5

RAMP AND DECK HANDRAIL

SCALE: 1-1/2" = 1'-0"

19

STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124683 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/06/2025

SKC COMPANY
15345 FAIRFIELD RANCH RD - SUITE 160 CHINO HILLS, CA 91709
OFFICE: (909) 740-3120, FAX: (909) 726-9470
WEBSITE: WWW.SKCCOMPANY.COM
MANUFACTURER #MFI1279666 DEALER # DL1279666
GC LIC # 992118 SEE CERTIFIED

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DISTRICT/CUSTOMER NAME:

VENTURA USD

SCHOOL/SITE NAME:

VENTURA HIGH SCHOOL

SHEET TITLE:

RAMP & LANDING DETAILS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122029 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/27/2023

PROFESSIONAL OF RECORD ON PC

ORION
Structural Engineering, Inc.
11305 RANCHO BERNARDO RD
SUITE 121
SAN DIEGO, CA, 92127
PHONE (858) 679-1974
EXP. 12/31/24
STRUCTURAL
STATE OF CALIFORNIA

FIRM: ORION STRUCTURAL ENGINEERING, INC.
ADDRESS: 11305 RANCHO BERNARDO ROAD, SUITE 121
CITY: SAN DIEGO, CA 92127
PHONE: (858) 679-1974

PROJECT SPECIFIC PROFESSIONAL OF RECORD

FIRM:
ADDRESS:
CITY:
PHONE:

REVISIONS

1	-
2	-
3	-
4	-
5	-

PROJECT NO.:	00-0000
DRAFTER:	00
SCALE:	AS NOTED
DATE:	00-00-00

SHEET NUMBER

R-9

9/26/2023 9:29:37 AM