PASADENA UNIFIED SCHOOL DISTRICT

MARSHALL FUNDAMENTAL SCHOOL

NEW TEMP. MODULAR TOILET BLDGS. MAXIMUM USE OF THREE YEARS FROM DATE OF INSTALLATION

990 ALLEN AVE PASADENA, CA 91104

APPLICABLE CODES

PART 1 2022 BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24 C.C.R.
PART 2 2022 CALIFORNIA BUILDING CODE (CBC), TITLE 24 C.C.R.
(2021 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH CALIFORNIA AMENDMENTS)
PART 3 2022 CALIFORNIA ELECTRICAL CODE (CEC), TITLE 24 C.C.R.
(2020 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA.)
PART 4 2022 CALIFORNIA MECHANICAL CODE (CMC), TITLE 24 C.C.R.
(2021 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO.)
PART 5 2022 CALIFORNIA PLUMBING CODE (CPC), TITLE 24 C.C.R.
(2021 UNIFORM PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO.)
PART 6 2022 CALIFORNIA ENERGY CODE, TITLE 24 C.C.R.
PART 9 2022CALIFORNIA FIRE CODE, TITLE 24 C.C.R.
(2021 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL)
PART 10 2022 CALIFORNIA EXISTING BUILDING CODE, TITLE 24 C.C.R.
(2021 INTERNATIONAL EXISTING BUILDINGS CODE OF THE INTERNATIONAL CODE COUNCIL, WITH AMENDMENTS)
PART 11 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), TITLE 24 C.C.R.
PART 12 2022 CALIFORNIA REFERENCED STANDARDS, TITLE 24 C.C.R.
TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

PARTIAL LIST OF APPLICABLE STANDARDS:

NFPA 13	INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS (CA AMENDED)	2022 EDITION
NFPA 14	INSTALLATION OF STANDPIPE AND HOSE SYSTEMS (CA) AMENDED	2019 EDITION
NFPA 17	DRY CHEMICAL EXTINGUISHING SYSTEMS	2021 EDITION
NFPA 17A	WET CHEMICAL EXTINGUISHING SYSTEMS	2021 EDITION
NFPA 20	INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION	2019 EDITION
NFPA 22	WATER TANKS FOR PRIVATE PROTECTION	2023 EDITION
NFPA 24	INSTALLATION OF PRIVATE FIRE MAINS AND THEIR APPURTENANCES (CA) AMENDED	2022 EDITION
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE (CA) AMENDED	2022 EDITION
NFPA 80	FIRE DOORD AND OTHER OPENING PROTECTIVES	2019 EDITION
NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEM (CA AMENDED)	2018 EDITION
UL300	FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT	2005 (R2010)
UL464	AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES	2003 EDITION
UL521	HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	1999 EDITION
UL1971	SIGNALING DEVICES FOR THE HEARING IMPAIRED	2002 (R2012)
ICC300	BLEACHING, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS	2017 EDITION

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS, REFER TO 2022 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE (CFC), CHAPTER 80.

SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

* ALL PARTS OF THE 2022 CALIFORNIA BUILDING CODE BECAME EFFECTIVE JANUARY 1, 2023, EXCEPT THE EFFECTIVE DATE FOR THE USE OF THE 2022 BUILDING ENERGY EFFICIENCY STANDARD (TITLE 24, PART1, CHAPTER 10) IS JANUARY 1, 2013 AND THE EFFECTIVE DATE FOR THE USE OF THE CALIFORNIA ADMINISTRATIVE CODE (TITLE 24, PART 1, CHAPTER 4) IS JANUARY 1, 2023.

STATEMENT OF GENERAL CONFORMANCE

THESE DRAWINGS AND/OR SPECIFICATIONS AND/OR CALCULATIONS FOR THE ITEMS DESIGNATED WITH A ▉ HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENCED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME FOR DESIGN INTENT AND HAVE BEEN FOUND TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.

THE ITEMS DESIGNATED WITH A ▉ HAVE BEEN COORDINATED WITH MY PLANS AND SPECIFICATIONS AND ARE ACCEPTABLE FOR INCORPERATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO IN GENERAL RESPONSABILE CHARGE (OR FOR WHICH I HAVE BEEN DELEGATED RESPONSABILITY FOR THIS PORTION OF THE WORK.)

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSABILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344* OF TITLE 24, PART 1, (TITLE 24, PART 1, SECTION 4-317(B))

I FIND THAT:

☒ ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET
☐ THIS DRAWING OR PAGE

☒ IS/ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN INTENT, AND
☒ HAS/HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS

Scott F. Gaudineer — 09/16/2025
Scott F. Gaudineer — Date
C-14211 — 08/312027
License Number — Expiration Date

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE "APPLICABLE CODES" AS LISTED HEREON.
2. TITLE 24, PARTS 1-5 AND 9 MUST BE KEPT ON SITE DURING CONSTRUCTION.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING AND PROPOSED CONSTRUCTION, PIPING, CONDUITS, CLEAN-OUTS, PULL BOXES, ETC. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DISTRICT AND ARCHITECT PRIOR TO COMMENCING WORK.
4. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL GRADES ELEVATIONS, DIMENSIONS, AND CONDITIONS OF INSTALLATION PRIOR TO PROVIDING BID. ANY DISCREPANCIES DISCOVERED BY THE CONTRACTOR DURING THE ABOVE INVESTIGATIONS SHALL BE REPORTED IMMEDIATELY TO THE ARCHITECT. THE CONTRACTOR BY MEANS OF OFFERING A BID SHALL THEREBY CERTIFY THAT THE ABOVE STATED REQUIREMENTS HAVE BEEN MET.
5. FABRICATION AND INSTALLATION OF SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY DSA. LIST DEFERRED SUBMITTAL ITEMS FOR THIS PROJECT.
6. GENERAL CONTRACTOR SHALL INCLUDE ALL LABOR, MATERIAL, EQUIPMENT, OPERATIONAL SUPPORT AND TRANSPORTATION NECESSARY FOR THE COMPLETE AND PROPER EXECUTION OF THE WORK.
7. THE ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR, AND HAS NOT BEEN CONSIDERED BY THE ARCHITECT AND / OR STRUCTURAL ENGINEER.
8. CONTRACTOR SHALL REMOVE FROM SITE AND DISPOSE OF IN A LEGAL MANNER ALL EXCESS DIRT / SOIL AND DEBRIS RESULTANT OF THE CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT.
9. CONTRACTOR SHALL BE REQUIRED TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FOR ALL WORK THAT OCCURS IN ANY PUBLIC RIGHT-OF-WAY AND / OR EASEMENT. FEES FOR REQUIRED PERMITS SHALL BE PAID FOR DIRECTLY BY CONTRACTOR AND SHALL BE REIMBURSED BY THE DISTRICT 1:1.
10. REPAIR OR REPLACE EXISTING WALKS, UTILITY LINES, LANDSCAPING, ETC. THAT ARE DAMAGED DURING CONSTRUCTION. PROTECT ALL EXISTING CONSTRUCTION DESIGNATED TO REMAIN.
11. PATCH AND REPAIR ALL SURFACES AFFECTED BY CONTRACT WORK AND BY SELECTIVE DEMOLITION TO A "LIKE NEW" CONDITION OR TO MATCH EXISTING ADJACENT FINISHES.
12. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338 PART 1, TITLE 24, CCR.
13. A "DSA CERTIFIED" CLASS (2) PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN THE SECTION 4-342 PART 1, TITLE 24, CCR.
14. A DSA APPROVED TESTING LABORATORY DIRECTLY EMPLOYED AND PAID FOR BY THE DISTRICT SHALL CONDUCT ALL REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
15. CONTRACTOR SHALL NOTIFY DISTRICT AND ARCHITECT IN WRITING UPON COMPLETION OF SITE PREPARATION.
16. FIRE SAFETY DURING CONSTRUCTION, ALTERATION OR DEMOLITION SHALL BE IN ACCORDANCE WITH 2022 CFC CHAPTER 7, 11 AND 33.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WATER NECESSARY FOR CONSTRUCTION. WATER CAN BE MADE AVAILABLE ON-SITE VIA EXISTING HYDRANT, AND SHALL BE PROPERLY METERED THROUGH LOCAL WATER AGENCY.
18. CONTRACTOR MAY ONLY STAGE AND PERFORM WORK IN AREAS SPECIFICALLY IDENTIFIED FOR THIS CONTRACT. ALL WORK REQUIRED TO BE PERFORMED OUTSIDE OF THE DESIGNATED AREAS SHALL REQUIRE MONITORING BY ASSIGNED DISTRICT STAFF OR SHALL BE PERFORMED DURING NON-SCHOOL HOURS. ALL REQUESTS FOR MONITORED WORK SHALL BE MADE IN WRITING 48 HOURS IN ADVANCE BY GENERAL CONTRACTOR AND SCHEDULING SHALL BE SUBJECT TO APPROVAL BY DISTRICT.
19. CONSTRUCTION AREA OVERLAPS ACTIVE SERVICE AREAS NECESSARY FOR THE NORMAL DAILY OPERATION OF THE SCHOOL. CONTRACTOR SHALL AT ALL TIMES MAINTAIN AND ALLOW ACCESS ON SITE FOR EMERGENCY VEHICLES, TRASH COLLECTION, LANDSCAPE, GENERAL SCHOOL MAINTENANCE AND FOOD SERVICE DELIVERY. CONTRACTOR SHALL COORDINATE CLOSELY WITH DISTRICT FOR ALL NECESSARY ACCESS.
20. CONTRACTOR SHALL PROVIDE AND MAINTAIN FOR THE DURATION OF THE CONTRACT OPAQUE VINYL SCREENS (TARP OR SIMILAR) PROPERLY SECURED TO ALL TEMPORARY CONSTRUCTION FENCING AND GATES AS WELL AS ALL EXISTING FENCING THAT DEFINES A PERIMETER OF ANY DESIGNATED CONSTRUCTION AREA. SCREENING SHALL BE MINIMUM 6'-0" HIGH AND SHALL BE BLACK, GREEN OR TAN IN COLOR.
21. DUE TO THE ON-GOING OPERATION OF THE ACTIVE SCHOOL SITE DURING CONSTRUCTION, AS WELL AS THE UNIQUE CONSTRAINTS OF THE CONSTRUCTION AREA, CONTRACTOR SHALL BE AWARE THAT THE VEHICULAR DRIVES, ACCESS LANES AND PARKING SHALL BE SHARED AND SHALL NOT SCHEDULE ANY DELIVERIES AS WELL AS SUSPEND CONSTRUCTION TRAFFIC ENTERING AND EXISTING PREMISES DURING THE PERIODS REQUIRED FOR STUDENT DROP-OFF AND PICK-UP. CONTRACTOR SHALL COORDINATE WITH DISTRICT FOR ALL TIME OFF OPERATION FOR THE SITE.
22. FOR THE DURATION OF THE CONTRACT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR STRICT COMPLIANCE WITH LOCAL AGENCY HAVING JURISDICTION FOR ALL, FUGITIVE DUST AND SHALL BE RESPONSIBLE FOR ALL PENALTIES, FINES, ETC. IF THE PROJECT SHOULD BE CITED FOR VIOLATIONS.
23. DUE TO THE SITE CONSTRAINTS OF THE ACTIVE SCHOOL SITE, THE CONTRACTOR MAY BE REQUIRED TO STAGE IN VARIOUS AVAILABLE AREAS ON SITE AND MAY BE REQUIRED TO MOVE OR RELOCATE STAGING DURING THE COURSE OF CONSTRUCTION IN ORDER TO ACCOMMODATE CONSTRUCTION AND SCHEDULE. CONTRACTOR SHALL FACTOR IN ALL NECESSARY MEASURES TO ACCOMMODATE THE TIMELY COMPLETION OF THIS CONTRACT.
24. CONTRACTOR SHALL NOT INTERRUPT ANY UTILITY SERVICE TO ACTIVE SCHOOL SITE WITHOUT EXPRESSED PERMISSION AND PRIOR SCHEDULING WITH DISTRICT.
25. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CONTRACTOR SUBMITTALS OF DOCUMENTS TO THE DSA BOX.
26. CONTRACTOR MAY UTILIZE EXISTING ELECTRICAL SERVICE IN YARD FOR TEMPORARY POWER. ALL TEMPORARY POWER INSTALLATION SHALL ADHERE TO APPLICABLE CODES.
27. WHENEVER DSA FINDS ANY CONSTRUCTION WORK IS BEING PERFORMED IN A MANNER CONTRARY TO THE PROVISIONS OF CALIFORNIA BUILDING CODE AND THAT WOULD COMPORMISE 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).
28. SUBMIT RFI'S TO DESIGN TEAM IN CASE OF INCONSISTENCIES BETWEEN APPROVED DRAWINGS AND APPROVED SPECIFICATIONS IN THE DESCRIPTIONS OF WORK TO BE DONE, EQUIPMENT TO BE PROVIDED OR MATERIAL TO BE USED. IT SHALL BE THAT THE MORE STRINGENT, THE MORE RESTRICTIVE, THE HIGHER QUALITY, AND THE GREATER QUANTITY OF WORK SHALL APPLY. SUBMIT REVISED DRAWINGS OR SPECIFICATIONS AS RESULT OF SUCH RFI'S TO DSA VIA CCD'S IF REQUIRED BY IR A-6.
29. ALL STRUCTURAL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, FIRE ALARM AND PLUMBING MATERIAL INSTALLATION TO COMPLY WITH APPLICABLE CODES, STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.
30. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT BEFORE PROCEEDING WITH THE WORK. REFERENCE: SECTION 4-317 (C), CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)
31. NEW BUILDINGS SHALL BE PROVIDED WITH EMERGENCY RESPONDER RADIO COVERAGE IN ACCORDANCE WITH CALIFORNIA FIRE CODE SECTION 510. THE PROJECT ARCHITECT (AOR) SHALL CONTACT THE LOCAL FIRE DEPARTMENT AND/OR EMERGENCY COMMUNICATIONS AUTHORITY TO OBTAIN DESIGN, EQUIPMENT SPECIFICATIONS, TESTING AND ACCEPTANCE CRITERIA. PLANS AND REQUESTED DOCUMENTATION SHALL BE SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL. UPON COMPLETION, COPIES OF THE APPROVED PLANS, EQUIPMENT DATA SHEETS, TESTING AND ACCEPTANCE DOCUMENTATION SHALL BE PROVIDED TO THE SCHOOL DISTRICT.
32. 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.
33. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
34. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

PROJECT DATA

NUMBER OF STORIES: ONE

BUILDING HEIGHT:
1. (N) RELOCATABLE BUILDING:

OCCUPANCY TYPE:
1. (N) RELOCATABLE BUILDING: E

CONSTRUCTION TYPE:
1. (N) RELOCATABLE BUILDING: V-B

BUILDING AREA (IN SCOPE OF WORK):
1. 2 x (N) RELOCATABLE BUILDING: 2 x 480 SF = 960 SF TOTAL

PER 2022 CBC 1603A:

FLOOR LIVE LOAD [CBC 1603A.1.1]	REFER TO PC DRAWINGS
ROOF LIVE LOAD [CBC 1603A.1.2]	REFER TO PC DRAWINGS
GROUND SNOW LOAD [CSC 1603A.1.3]	0 LB/FT²
WIND DESIGN DATA [CBC 1603A.1.4]	
1. WIND SPEED	95 MPH
2. RISK CATEGORY	II
3. WIND EXPOSURE CATEGORY	C

EARTHQUAKE DESIGN DATA [CBC 1603 A..1.5]:

PER ASCE 7-16 - 2022		
1. RISK CATEGORY	II	
2. SEISMIC IMPORTANCE FACTOR (Ie)	1.0	
3. MAPPED SPECTRAL RESPONSE - ACCELERATION PARAMETERS (S_S AND S_1)	S_S: 2.036 g	S_1: 0.75 g
4. SITE CLASS:	D	
5. DESIGN SPECTRAL RESPONSE - ACCELERATION PARAMETERS (S_{DS} AND S_{D1})	S_{DS} 1.62 g	S_{D1}: N/A
6. SEISMIC DESIGN CATEGORY (PER TABLE 1613.2.5)	E	

GEOTECHNICAL INFORMATION [PER 1603A.1.6]

NO GEOTECHNICAL REPORT THEREFORE PRESUMPTIVE LOAD-BEARING VALUES PER CBC TABLE 1806A.2, CLASS 5 MATERIALS ARE PROVIDED AS FOLLOWS:

1. (PSF) WOOD FOUNDATION PRESSURE:	1,000 MAX.
2. (PSF/FT BELOW NATURAL GRADE) LATERAL BEARING PRESSURE:	100
3. LATERAL SLIDING RESISTANCE: COEFFICIENT OF FRICTION:	-
COHESION:	300

FLOOD DESIGN DATA (PER 1603A.1.7]
THE PROJECT IS NOT LOCATED WITHIN A FLOOD ZONE X PER FEMA FIRM PANEL #415 MAP #06037C0415F EFFECTIVE: 09/26/2008

BUILDINGS FOR TEMPORARY USE:
THESE BUILDINGS ARE ONLY FOR TEMPORARY USE AND LIMITED TO A MAXIMUM USE OF THREE YEARS FROM THE DATE OF INSTALLATION.

NOTE:
SUBSTITUTIONS AFFECTING ITEMS REGULATED BY THE DIVISION OF THE STATE ARCHITECT (DSA) REQUIRE DSA APPROVAL AS AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD). DSA APPROVAL SHALL BE OBTAINED PRIOR TO FABRICATION AND/OR INSTALLATION PER SECTION 4-338, PART 1, TITLE 24, CCR.

SHEET INDEX

GENERAL

T0.01 TITLE SHEET
G0.01 GENERAL NOTES, ABBREVIATIONS AND SYMBOLS
G2.01 FIRE ACCESS SITE PLAN
TOTAL SHEETS: 3

ARCHITECTURAL

A1.01 OVERALL SITE PLAN
A2.01 ENLARGED FLOOR PLAN AND DETAILS
TOTAL SHEETS: 2

ELECTRICAL

▉ E1.0 SYMBOLS LIST, NOTES, CODES & DETAILS
▉ E1.1 ELECTRICAL DETAILS & ANCHORAGE NOTE
▉ E2.1 ELECTRICAL SITE PLAN
TOTAL SHEETS: 3

FIRE ALARM

▉ FA1.0 SYMBOL LIST, NOTES, CODES & DETAILS
▉ FA2.1 FIRE ALARM SITE PLAN
▉ FA3.1 ENLARGED FIRE ALARM PLAN
TOTAL SHEETS: 3

STOCKPILE PC DRAWINGS (A# 04-123815)

▉ A0.0 COVER SHEET
▉ A0.1 TYPICAL KEY PLAN AND SCHEDULES GEN NOTES
▉ A0.2 SIGNAGE AND SYMBOLS
▉ A1.2 12X40 OPTION 3 A/B FLOOR PLAN
▉ A3.1 ACCESSIBILITY AND MOUNTING HEIGHT DETAILS
▉ A5.0 EXTERIOR ELEVATIONS
▉ A7.2 ADDITIONAL OPTION DETAILS
▉ F1.10 WOOD FOUNDATION PLAN
TOTAL SHEETS: 8

STOCKPILE PC DRAWINGS (A# 04-107065)

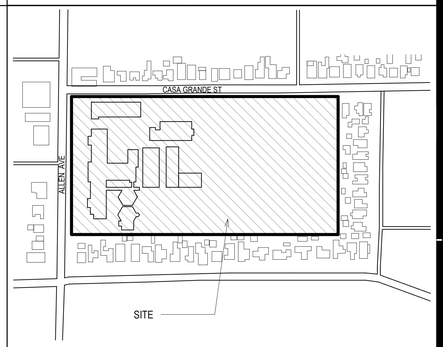
▉ A0.01 COVER SHEET
▉ A1.02 FLOOR PLAN
▉ A5.01 SCHEDULES
▉ A6.01 ARCHITECTURAL DETAILS
▉ A7.02 REFLECTED CEILING PLAN
▉ F1.01 FOUNDATION PLAN
▉ F1.11 FOUNDATION DETAILS
▉ S2.01 ROOF FRAMING PLAN
TOTAL SHEETS: 8

PC RAMP DRAWINGS (A# 04-122493)

▉ S1 GENERAL NOTES AND INFORMATION
▉ S2 PROFILE DETAILS
▉ S3 PROFILE DETAILS
▉ S5 PLANS, TYPICAL RAMP/LANDING CONFIGURATIONS AND ELEVATIONS (LANDING HEIGHT 30" OR LESS)
▉ S6 PLANS AND TYPICAL RAMP/LANDING CONFIGURATION OPTIONS
▉ S9 RAMP AND HANGER PLANS AND DECK DETAILS
▉ S10 RAMP AND LANDING DETAILS
▉ S11 WEDGE, HANGER AND RAMP ASSEMBLY PLANS AND DETAILS
▉ S12 LEG AND BRACING DETAILS
▉ S13 LEG AND BRACING DETAILS
▉ S14 GAURDRAIL AND HANDRAIL DETAILS
▉ S15 GAURDRAIL AND HANDRAIL DETAILS
▉ S16 GAURDRAIL AND HANDRAIL DETAILS
▉ S18 BASE PLATE CONNECTION DETAILS FOR WOOD SILL PLATE
▉ S19 BASE PLATE CONNECTION DETAILS FOR CONCRETE AND ASPHALT
▉ S20 CONNECTION TO BUILDNG, LANDING EXTENSION, BOTTOM LANDING & MISC. DETAILS
TOTAL SHEETS: 16

TOTAL SHEETS
43

VICINITY MAP



SCOPE OF WORK

THE PROJECT SCOPE CONSIST OF THE FOLLOWING WORK:

RELOCATION OF (2) 12 X 40 TOILET BUILDINGS, BUILDING RR 1, SERIAL NUMBER C -24-3150, FROM STOCKPILE A# 04-123815, PC # 04-121371 & BUILDING RR2, SERIAL NUMBER 53051-01, FROM STOCKPILE A# 04-107065, PC # 04-104800 CONSTRUCTION OF RAMP PC A# 04-122493.

NOTE: MODULAR TOILET BUILDING IS OF TEMPORARY USE AND LIMITED TO MAXIMUM USE OF THREE YEARS FROM THE DATE OF INSTALLATION.

SITE INSPECTION ITEMS PER IR 16-1 APPENDIX A:

1. BUILDING IDENTIFICATION: PERMANENT IDENTIFICATION LABEL HAS CORRECT APPLICATION NUMBER. FOR NEW CONSTRUCTION, THE DSA APPLICATION NUMBER AND SERIAL NUMBERS SHALL MARCH IN-PLANT INSPECTOR'S FORM DSA 152 PI: IN-PLANT INSPECTOR INSPECTION CARD/VERIFIED REPORT, AND CORRECT FLOOR LIVE LOAD, FLOOR LIVE LOAD, WIND SPEED, SEISMIC DESIGN PARAMETER, AND CLIMATE ZONE AND THE PV POWER AND STORAGE REQUIREMENTS FOR SITE PER THE APPROVED PLANS.

2. UNDER-FLOOR VENTILATION SIZES AND LOCATIONS ARE SAME AS SHOWN ON APPROVED PLANS AND ARE UNOBSTRUCTED.

3. WOOD FOUNDATION PLATES ARE PRESSURE-TREATED AND IDENTIFIED WITH TAGS HAVING APPROPRIATE TREATMENT IDENTIFICATION.

4. WOOD FOUNDATION PLATE SIZE AND LAYOUT AND STEEL PIPES ARE PER APPROVED PLANS.

5. SHEAR TRANSFER PLATES, CONNECTORS, STRUCTURAL PLYWOOD SKIRTING, AND NAILING ARE PER APPROVED PLANS.

6. RAMP SLOPE STARTS AT MINIMUM OF 42 INCHES FROM THE DOOR STRIKE.

7. ELECTRICAL BONDING IS PROVIDED BETWEEN STEEL FRAME MODULES AND RAMP.

MOBILE MANUFACTURER
MOBILE MODULAR
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Mira Loma, CA 91752
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Pasadena, CA 91101
TEL: (626) 3963600
Email: dunning.michael@pusd.com
Contact: Michael Dunning

AGENCY

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125504 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/18/2025

PTN: 64881-212 APPL: 03-125504

FLEWELLING & MOODY
architecture planning interiors

HEADQUARTERS OFFICE:
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An Employee Owned Corporation

ARCHITECT

LICENSED ARCHITECT — SCOTT F. GAUDINEER — (C-14211) — RENEWAL 08/31/2027 — STATE OF CALIFORNIA

CONSULTANT

Drawn by: _
Check by: _
Revisions

No.	Date	Description

All dimensions must be checked at the job by the contractor who accepts full responsibility for their accuracy under the contract. These plans & the specifications in connection therewith have been prepared for a specific site. Any and all responsibility for their use in whole or in part on any other site is hereby disclaimed by Flewelling & Moody.

PASADENA UNIFIED SCHOOL DISTRICT

MARSHALL FUNDAMENTAL SCHOOL
NEW TEMP. MODULAR TOILET BLDGS.
MAXIMUM USE OF THREE YEARS FROM DATE OF INSTALLATION
990 ALLEN AVE PASADENA, CA 91104

Drawing Title

TITLE SHEET

Job No. 3189
Date 08/22/2024
Sheet No. **T0.01**

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3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING AND PROPOSED CONSTRUCTION, PIPING, CONDUITS, CLEAN-OUTS, PULL BOXES, ETC. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DISTRICT AND ARCHITECT PRIOR TO COMMENCING WORK.
4. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL GRADES ELEVATIONS, DIMENSIONS, AND CONDITIONS OF INSTALLATION PRIOR TO PROVIDING BID. ANY DISCREPANCIES DISCOVERED BY THE CONTRACTOR DURING THE ABOVE INVESTIGATIONS SHALL BE REPORTED IMMEDIATELY TO THE ARCHITECT. THE CONTRACTOR BY MEANS OF OFFERING A BID SHALL THEREBY CERTIFY THAT THE ABOVE STATED REQUIREMENTS HAVE BEEN MET.
5. FABRICATION AND INSTALLATION OF SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY DSA. LIST DEFERRED SUBMITTAL ITEMS FOR THIS PROJECT.
6. GENERAL CONTRACTOR SHALL INCLUDE ALL LABOR, MATERIAL, EQUIPMENT, OPERATIONAL SUPPORT AND TRANSPORTATION NECESSARY FOR THE COMPLETE AND PROPER EXECUTION OF THE WORK.
7. THE ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR, AND HAS NOT BEEN CONSIDERED BY THE ARCHITECT AND / OR STRUCTURAL ENGINEER.
8. CONTRACTOR SHALL REMOVE FROM SITE AND DISPOSE OF IN A LEGAL MANNER ALL EXCESS DIRT / SOIL AND DEBRIS RESULTANT OF THE CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT.
9. CONTRACTOR SHALL BE REQUIRED TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FOR ALL WORK THAT OCCURS IN ANY PUBLIC RIGHT-OF-WAY AND / OR EASEMENT. FEES FOR REQUIRED PERMITS SHALL BE PAID FOR DIRECTLY BY CONTRACTOR AND SHALL BE REIMBURSED BY THE DISTRICT 1:1.
10. REPAIR OR REPLACE EXISTING WALKS, UTILITY LINES, LANDSCAPING, ETC. THAT ARE DAMAGED DURING CONSTRUCTION. PROTECT ALL EXISTING CONSTRUCTION DESIGNATED TO REMAIN.
11. PATCH AND REPAIR ALL SURFACES AFFECTED BY CONTRACT WORK AND BY SELECTIVE DEMOLITION TO A "LIKE NEW" CONDITION OR TO MATCH EXISTING ADJACENT FINISHES.
12. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338 PART 1, TITLE 24, CCR.
13. A "DSA CERTIFIED" CLASS (2) PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN THE SECTION 4-342 PART 1, TITLE 24, CCR.
14. A DSA APPROVED TESTING LABORATORY DIRECTLY EMPLOYED AND PAID FOR BY THE DISTRICT SHALL CONDUCT ALL REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
15. CONTRACTOR SHALL NOTIFY DISTRICT AND ARCHITECT IN WRITING UPON COMPLETION OF SITE PREPARATION.
16. FIRE SAFETY DURING CONSTRUCTION, ALTERATION OR DEMOLITION SHALL BE IN ACCORDANCE WITH 2022 CFC CHAPTER 7, 11 AND 33.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WATER NECESSARY FOR CONSTRUCTION. WATER CAN BE MADE AVAILABLE ON-SITE VIA EXISTING HYDRANT, AND SHALL BE PROPERLY METERED THROUGH LOCAL WATER AGENCY.
18. CONTRACTOR MAY ONLY STAGE AND PERFORM WORK IN AREAS SPECIFICALLY IDENTIFIED FOR THIS CONTRACT. ALL WORK REQUIRED TO BE PERFORMED OUTSIDE OF THE DESIGNATED AREAS SHALL REQUIRE MONITORING BY ASSIGNED DISTRICT STAFF OR SHALL BE PERFORMED DURING NON-SCHOOL HOURS. ALL REQUESTS FOR MONITORED WORK SHALL BE MADE IN WRITING 48 HOURS IN ADVANCE BY GENERAL CONTRACTOR AND SCHEDULING SHALL BE SUBJECT TO APPROVAL BY DISTRICT.
19. CONSTRUCTION AREA OVERLAPS ACTIVE SERVICE AREAS NECESSARY FOR THE NORMAL DAILY OPERATION OF THE SCHOOL. CONTRACTOR SHALL AT ALL TIMES MAINTAIN AND ALLOW ACCESS ON SITE FOR EMERGENCY VEHICLES, TRASH COLLECTION, LANDSCAPE, GENERAL SCHOOL MAINTENANCE AND FOOD SERVICE DELIVERY. CONTRACTOR SHALL COORDINATE CLOSELY WITH DISTRICT FOR ALL NECESSARY ACCESS.
20. CONTRACTOR SHALL PROVIDE AND MAINTAIN FOR THE DURATION OF THE CONTRACT OPAQUE VINYL SCREENS (TARP OR SIMILAR) PROPERLY SECURED TO ALL TEMPORARY CONSTRUCTION FENCING AND GATES AS WELL AS ALL EXISTING FENCING THAT DEFINES A PERIMETER OF ANY DESIGNATED CONSTRUCTION AREA SCREENING SHALL BE MINIMUM 6'-0" HIGH AND SHALL BE BLACK, GREEN OR TAN IN COLOR.
21. DUE TO THE ON-GOING OPERATION OF THE ACTIVE SCHOOL SITE DURING CONSTRUCTION, AS WELL AS THE UNIQUE CONSTRAINTS OF THE CONSTRUCTION AREA, CONTRACTOR SHALL BE AWARE THAT THE VEHICULAR DRIVES, ACCESS LANES AND PARKING SHALL BE SHARED AND SHALL NOT SCHEDULE ANY DELIVERIES AS WELL AS SUSPEND CONSTRUCTION TRAFFIC ENTERING AND EXISTING PREMISES DURING THE PERIODS REQUIRED FOR STUDENT DROP-OFF AND PICK-UP. CONTRACTOR SHALL COORDINATE WITH DISTRICT FOR ALL TIME OFF OPERATION FOR THE SITE.
22. FOR THE DURATION OF THE CONTRACT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR STRICT COMPLIANCE WITH LOCAL AGENCY HAVING JURISDICTION FOR ALL FUGITIVE DUST AND SHALL BE RESPONSIBLE FOR ALL PENALTIES, FINES, ETC. IF THE PROJECT SHOULD BE CITED FOR VIOLATIONS.
23. DUE TO THE SITE CONSTRAINTS OF THE ACTIVE SCHOOL SITE, THE CONTRACTOR MAY BE REQUIRED TO STAGE IN VARIOUS AVAILABLE AREAS ON SITE AND MAY BE REQUIRED TO MOVE OR RELOCATE STAGING DURING THE COURSE OF CONSTRUCTION IN ORDER TO ACCOMMODATE CONSTRUCTION AND SCHEDULE. CONTRACTOR SHALL FACTOR IN ALL NECESSARY MEASURES TO ACCOMMODATE THE TIMELY COMPLETION OF THIS CONTRACT.
24. CONTRACTOR SHALL NOT INTERRUPT ANY UTILITY SERVICE TO ACTIVE SCHOOL SITE WITHOUT EXPRESSED PERMISSION AND PRIOR SCHEDULING WITH DISTRICT.
25. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CONTRACTOR SUBMITTALS OF DOCUMENTS TO THE DSA BOX.
26. CONTRACTOR MAY UTILIZE EXISTING ELECTRICAL SERVICE IN YARD FOR TEMPORARY POWER. ALL TEMPORARY POWER INSTALLATION SHALL ADHERE TO APPLICABLE CODES.
27. WHENEVER DSA FINDS ANY CONSTRUCTION WORK IS BEING PERFORMED IN A MANNER CONTRARY TO THE PROVISIONS OF CALIFORNIA BUILDING CODE AND THAT WOULD COMPORMISE 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).
28. SUBMIT RFI'S TO DESIGN TEAM IN CASE OF INCONSISTENCIES BETWEEN APPROVED DRAWINGS AND APPROVED SPECIFICATIONS IN THE DESCRIPTIONS OF WORK TO BE DONE. EQUIPMENT TO BE PROVIDED OR MATERIAL TO BE USED. IT SHALL BE THAT THE MORE STRINGENT, THE MORE RESTRICTIVE, THE HIGHER QUALITY, AND THE GREATER QUANTITY OF WORK SHALL APPLY. SUBMIT REVISED DRAWINGS OR SPECIFICATIONS AS RESULT OF SUCH RFI'S TO DSA VIA CCD'S IF REQUIRED BY IR A-6.
29. ALL STRUCTURAL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, FIRE ALARM AND PLUMBING MATERIAL INSTALLATION TO COMPLY WITH APPLICABLE CODES, STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.
30. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT BEFORE PROCEEDING WITH THE WORK. REFERENCE: SECTION 4-317 (C), CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)
31. NEW BUILDINGS SHALL BE PROVIDED WITH EMERGENCY RESPONDER RADIO COVERAGE IN ACCORDANCE WITH CALIFORNIA FIRE CODE SECTION 510. THE PROJECT ARCHITECT (AOR) SHALL CONTACT THE LOCAL FIRE DEPARTMENT AND/OR EMERGENCY COMMUNICATIONS AUTHORITY TO OBTAIN DESIGN, EQUIPMENT SPECIFICATIONS, TESTING AND ACCEPTANCE CRITERIA. PLANS AND REQUESTED DOCUMENTATION SHALL BE SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL. UPON COMPLETION, COPIES OF THE APPROVED PLANS, EQUIPMENT DATA SHEETS, TESTING AND ACCEPTANCE DOCUMENTATION SHALL BE PROVIDED TO THE SCHOOL DISTRICT.
32. 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.
33. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
34. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

ABBREVIATIONS

@	AT
A/C	AIR CONDITIONING
A/S	AUTOMATIC SPRINKLERS
AB	ANCHOR BOLT
ABV	ABOVE
AC	ASPHALT CONCRETE
ACC	ACCESSIBLE
ACP	ACOUSTICAL CEILING PANEL
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADA	AMERICANS W/ DISABILITIES ACT
ADDL	ADDITIONAL
ADDM	ADDENDUM
ADJ	ADJACENT
ADJ	ADJUSTABLE / ADJACENT
ADMIN	ADMINISTRATION
AFD	AUTOMATIC FIRE DAMPER
AFF	ABOVE FINISHED FLOOR
AFS	ABOVE FINISHED SLAB
AGG	AGGREGATE
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	CLEAR ANODIZIZED
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
AS	ACID STAIN
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
ATFD	ACCORDION TYPE FIRE DOOR
AUTO	AUTOMATIC
AVG	AVERAGE
BD	BOARD
BEL	BELOW
BG	BELOW GRADE
BITUM	BITUMIN(OUS)
BL	BASELINE
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BOT	BOTTOM
BS	BOTH SIDES
BSMT	BASEMENT
BTWN	BETWEEN
BUR	BUILT-UP ROOFING
C TO C	CENTER TO CENTER
CAB	CABINET
CB	CATCH BASIN
CC	CONCRETE
CEM	CEMENT
CER	CERAMIC
CF	CURB FACE
CG	CORNER GUARD
CH	COAT HOOK
CHBD	CHALKBOARD
CHFR	CHAMFER
CI	CAST IRON
CIP	CAST IN PLACE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CASED OPENING
COL	COLUMN
COMB	COMBINATION
COMP	COMPOSITION (COMPOSITE)
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS (CONTINUE)
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR / CORRUGATED
CPT	CARPET
CR	CLOSET ROD
CS	CAST STONE
CSWK	CASEWORK
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CTR	CENTER
CTSK	COUNTERSUNK
CU	COPPER
CU FT	CUBIC FEET
CU YD	CUBIC YARD
CURT	CURTAIN
CUST	CUSTODIAN
CW	CASEMENT WINDOW
DBL	DOUBLE
DEG	DEGREE
DEMO	DEMOLISH (DEMOLITION)
DEPT	DEPARTMENT
DET (DTL)	DETAIL
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DL	DEAD LOAD
DMPF	DAMPPROOFING
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING
DWR	DRAWER
(E)	EXISTING
E	EAST
EA	EACH
EB	EXPANSION BOLT
EF	EACH FACE
EHD	ELECTRIC HAND DRYER
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EM	EXPANDED METAL
EMER	EMERGENCY
ENCL	ENCLOSED / ENCLOSURE
ENGR	ENGINEER
ENTR	ENTRANCE
EOS	EDGE OF SLAB
EP	EPOXY PAINT
EPB	ELECTRIC PANEL BOARD
EPS	EXPANDED MOLDED POLYSTYRENE BOARD
EQ	EQUAL
EQUIP	EQUIPMENT
EST	ESTIMATE
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXF	EXTERIOR FINISH
EXH	EXHAUST
EXP	EXPOSED
EXPS	EXTRUDED POLYSTYRENE BOARD
EXT	EXTERIOR
EXTR	EXTINGUISHER
FA	FIRE ALARM
FAB	FABRIC
FBO	FURNISHED BY OTHERS
FCO	FLOOR CLEANOUT
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FFD	FOLDING FABRIC DOOR
FFE	FINISHED FLOOR ELEVATION
FFS	FACTORY FINISH
FG	FINISHED GRADE
FH	FIRE HYDRANT
FHMS	FLATHEAD MACHINE SCREW
FHWS	FLATHEAD WOOD SCREW
FIN	FINISH(ED)
FIXT	FIXTURE
FL	FLOW LINE
FLASH	FLASHING
FLR	FLOOR(ING)
FLUOR	FLOURESCENT
FND	FOUNDATION
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FP	FIREPROOF
FPP	FOLDING PANEL PARTITION
FPWD	FOLDING PANEL WOOD DOOR
FR	FRAM(ED, (ING)
FRP	FIBER REINFORCED PLASTIC
FRT	FIRE RETARDANT TREATED
FSP	FIRE STANDPIPE
FT	FEET, FOOT
FTG	FOOTING
FUT	FUTURE
G	GROUND
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GEN	GENERAL
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GI	GALVANIZED IRON
GL	GLASS, GLAZING
GL BLK	GLASS BLOCK
GLB	GLUE-LAMINATED BEAM
GLT	GLASS MOSAIC TILE
GPM	GALLONS PER MINUTE
GR	GROSS
GRT	GROUT
GT	GREASE TRAP
GV	GATE VALVE
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
GYPBD	GYPSUM WALL BOARD
HB	HOSE BIB
HC	HOLLOW CORE
HC	HANDICAPPED
HCN	HOLLOW CORE NATURAL FINISH
HCP	HOLLOW CORE PAINT FINISH
HDR	HEADER
HDWD	HARDWOOD
HGT	HEIGHT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HORSEPOWER
HR	HAND RAIL
HT	HEIGHT
HVAC	HEATING, VENTILATING, AIR CONDITIONING
HWP	HOT WATER PUMP
HWR	HARDWARE
HYD	HYDRANT
ID	INSIDE DIAMETER
IN	INCH / INCHES
INCL	INCLUDE(D) / INCLUDING
INSUL	INSULATE / INSULATION
INT	INTERIOR
INV	INVERT
J-BOX	JUNCTION BOX
JAN	JANITOR
JST	JOIST
JT	JOINT
KIT	KITCHEN
KO	KNOCKOUT
L	LENGTH
LAB	LABORATORY
LAM	LAMINATE
LAQ	LACQUER FINISH
LAV	LAVATORY
LB	LAG BOLT
LB(S)	POUND(S)
LC	LINEN CLOSET
LF	LINEAR FOOT, FEET
LGT	LIGHT
LH	LEFT HAND
LIB	LIBRARY
LKR	LOCKER
LL	LIVE LOAD
LPT	LOW POINT
LT	LIGHT
LT WT	LIGHTWEIGHT
LTL	LINTEL
LVR	LOUVER
LVT	LUXURY VINYL TILE
MANUF	MANUFACTURER
MAS	MASONRY
MAX	MAXIMUM
MB	MACHINE BOLT
MC	MEDICINE CABINET
MCP	MINERAL CORE PAINT FINISH
MCWD	MINERAL CORE WOOD NATURAL FINISH
ME	MECHANICAL ENGINEER
MECH	MECHANICAL
MED	MEDIUM
MET	METAL
MEZZ	MEZZANINE
MFR	MANUFACTURE(R)
MH	MANHOLE
MIN	MINIMUM
MIRR	MIRROR
MISC	MISCELLANEOUS
MKR BD	MARKER BOARD
MLDG	MOULDING
MO	MASONRY OPENING
MOD	MODULAR
MR	MOISTURE RESISTANT
MS	MOP SINK
MTD	MOUNTED
MTL	METAL
MTS	METAL TRANSITION STRIP
MULL	MULLION
MVBL	MOVEABLE
MW	MICROWAVE
(N)	NEW
N	NORTH
NA	NOT APPLICABLE
NAT	NATURAL
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NR	NOISE REDUCTION
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OFCI	OWNER FURNISHED, CONSTRACTOR INSTALLED
OFD	OVERFLOW DRAIN
OFF	OFFICE
OFOI	OWNER FURNISHED, OWNER INSTALLED
OPG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
OTS	OPEN TO STRUCTURE
OVHD	OVERHEAD
PAR	PARALLEL
PART	PARTIAL
PAT	PATTERN
PAV	PAVING, PAVEMENT
PBD	PARTICLE BOARD
PCC	PRECAST CONCRETE
PED	PEDESTAL
PERF	PERFORATED
PF	PAINT FLAT
PG	PAINT GLOSS
PH	PANIC HARDWARE
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLT	PLATE
PLUMB	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
POL	POLISHED
PR	PAIR
PREFAB	PREFABRICATED
PREFIN	PRE-FINISHED
PRST	PRESSURE TREATED
PS	PREFINISHED STEEL
PSF	POUNDS PER SQUARE FOOT
PSG	PAINT SEMI-GLOSS
PSI	POUNDS PER SQUARE INCH
PT	PAINT
PTD	PAINTED
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
QT	QUARRY TILE
QTY	QUANTITY
QZF	QUARTZ FLOORING
QZR	QUARTZ RESIN
QZT	QUARTZ TILE
R	RISER
R VALUE	THERMAL RESISTANCE
R, RAD	RADIUS
RA	RETURN AIR
RB	RESILIENT BASE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REBAR	REINFORCING STEEL
REC	RECESSED
REF	REFERENCE
REFL	REFLECT(ED), (IVE), (OR)
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCED
REQD	REQUIRED
REST	RESTROOM
REV	REVISION, REVISED
RF	RESILIENT FLOORING
RH	RIGHT HAND
RM	ROOM
RO	ROUGH OPENING
RTF	RUBBER TILE FLOORING
RTS	RUBBER TRANSITION STRIP
S	SOUTH
S.F.	SQUARE FOOT, FEET
SC	SOLID CORE
SCHED	SCHEDULE
SCN	SOLID CORE NATURAL FINISH
SCP	SOLID CORE PAINT FINISH
SCWD	SOLID CORE WOOD
SD	STORM DRAIN
SEC	SECTION
SF	STAIN FINISH
SG	LAMINATED TEMPERED SAFETY GLASS
SGL	SINGLE
SH	SINGLE HUNG
SHR	SHOWER
SHT	SHEET
SIM	SIMILAR
SL	SEA LEVEL
SLDG	SLIDING
SPEC	SPECIFICATIONS
SPK	SPEAKER
SQ	SQUARE
SS OR S/S	STAINLESS STEEL
ST	STREET
STA	STATION
STC	SOUND TRANSMISSION COEFFICIENT
STD	STANDARD
STL	STEEL
STO	STORAGE
STRUCT	STRUCTUR(E), (AL)
SUSP	SUSPENDED
SW	SWITCH
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE & GROOVE
T/S	TUB / SHOWER
TB	TOWEL BAR
TEL	TELEPHONE
TEMP	TEMPORARY
TG	TEMPERED GLASS
THK	THICKNESS
THRU	THROUGH
TKBD	TACK BOARD
TKP	TACKABLE PANELING
TOB	TOP OF BEAM
TOC	TOP OF CURB
TOCONC	TOP OF CONCRETE
TOD	TOP OF METAL DECK
TOM	TOP OF MASONRY
TOP	TOP OF PLATE
TOS	TOP OF SLAB
TOSTL	TOP OF STEEL
TOW	TOP OF WALL
TRTD	TREATED
TV	TELEVISION
TYP	TYPICAL
UG	UNGLAZED
UGND	UNDERGROUND
UL	UNDERWRITERS LABORATORY
UNFIN	UNIFINISHED
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
VB	VINYL BASE
VCT	VINYL COMPOSITE TILE
VERT	VERTICAL
VEST	VESTIBULE
VF	VARNISH
VIF	VERIFY IN FIELD
VNR	VENEER
VOL	VOLUME
VP	VENEER PLASTER
VR	VAPOR RETARDER
VS	VENT STACK
VT	VINYL TILE
VTS	VINYL TRANSITION STRIP
VWC	VINYL WALL COVERING
W	WEST
W	WITH
WD	WASHER / DRYER
W/O	WITHOUT
WAC	WALL COVERING
WB	WOOD BASE
WC	WATER CLOSET
WD	WOOD
WDP	WOOD PANELING
WDT	WOOD TILE OR PARQUET FLOORING
WDV	WOOD VENEER
WF	WIDE FLANGE
WG	WIRE GLASS
WH	WATER HEATER
WHR	WEATHER RESISTANT
WI	WROUGHT IRON
WIC	WOODWORK INSTITUTE OF CALIFORNIA
WIND	WINDOW
WP	WATERPROOFING
WR	WATER REPELLENT
WS	WEATHERSTRIPPING
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
YD	YARD

SYMBOLS

- **DRAWING TITLE** — View Name; SCALE: 1/8" = 1'-0"; 1 / A0.00 (DRAWING NUMBER / SHEET NUMBER)
- **EXTERIOR ELEVATION** — 1 SIM; A0.00; REFERENCE A SIMILAR DRAWING; DRAWING NUMBER; SHEET NUMBER WHERE DRAWING IS SHOWN
- **INTERIOR ELEVATION** — SIM; 1; A0.00; SIM; DRAWING NUMBER; REFERENCE A SIMILAR DRAWING; SHEET NUMBER WHERE DRAWING IS SHOWN
- **BUILDING SECTION** — 1; SIM; A101; REFERENCE A SIMILAR DRAWING; DRAWING NUMBER; SHEET NUMBER WHERE DRAWING IS SHOWN
- **DETAIL SECTION** — 1; SIM; A101; REFERENCE A SIMILAR DRAWING; DRAWING NUMBER; SHEET NUMBER WHERE DRAWING IS SHOWN
- **ENLARGED PLAN / PLAN DETAIL** — SIM; A101; DEMO; DRAWING NUMBER; REFERENCE A SIMILAR DRAWING; SHEET NUMBER WHERE DRAWING IS SHOWN; DEMOLITION OR RECONSTRUCTION DRAWING
- **FLOOR ELEVATION** — Level Name; EL. 0' - 0"
- **GRIDLINES** — 0; NEW GRIDLINES; A; 0; DEMO GRIDLINES; A
- **CEILING TAG** — CEILING HEIGHT; 00' - 00"; CEILING MATERIAL; AAA; FINISH COLOR; 00' - 00"
- **ROOM TAG** — Room name; 101; ROOM NUMBER
- **WALL TAG** — 2W26.4A
- **DOOR TAG** — 101
- **WINDOW TAG** — 101
- **KEYNOTES** — DEMO; D00; NEW; 00
- **SPOT ELEVATIONS** — 0' - 0"; 0' - 0"
- **CENTERLINE** — ℄
- **DIMENSIONS** — DIMENSION NOTE; 1 1/4" CLEAR; EQ; EQ
- **REVISION CLOUD** — REVISION NUMBER; 1
- **NORTH ARROW** — N
- **MATERIAL TAG** — MTL-1

MATERIALS LEGEND

CRUSHED ROCK, GRAVEL FILL,	EARTH
UNDISTURBED EARTH	SAND
DENSE SAND	CONCRETE
GROUT	BRICK MASONRY
CONCRETE MASONRY UNIT	ROUGH STONE
CAST STONE MASONRY	ALUMINUM
BRASS/BRONZE	STEEL
PLYWOOD	PARTICLE BOARD
WOOD BLOCKING OR SHIM	WOOD FRAMING CONTINUOUS
RIGID INSULATION	BATT INSULATION
GYPSUM BOARD	WOOD FLOORING
FINISHED WOOD	

AGENCY

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125504 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/18/2025

PTN: 64881-212 APPL: 03-125504

FLEWELLING & MOODY
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An Employee Owned Corporation

ARCHITECT

LICENSED ARCHITECT — MATT L. GAUDI — C-14211 — EXP. 08/31/2027 — STATE OF CALIFORNIA

CONSULTANT

Drawn by: _
Check by: _

Revisions

No.	Date	Description

All dimensions must be checked at the job by the contractor who accepts full responsibility for their accuracy under the contract. These plans & the specifications in connection therewith have been prepared for a specific site. Any and all responsibility for their use in whole or in part on any other site is hereby disclaimed by Flewelling & Moody.

PASADENA UNIFIED SCHOOL DISTRICT

MARSHALL FUNDAMENTAL SCHOOL
NEW TEMP. MODULAR TOILET BLDGS.
MAXIMUM USE OF THREE YEARS FROM DATE OF INSTALLATION
990 ALLEN AVE PASADENA, CA 91104

Drawing Title

GENERAL NOTES, ABBREVIATIONS AND SYMBOLS

Job No. 3189
Date 08/22/2024
Sheet No. **G0.01**

PASADENA WATER AND POWER

July 21, 2025

Priyanka Pawar
Flewelling and Moody
99 South Lake Avenue, Suite 300
Pasadena, CA 91101

Subject: Fire Flow Results for 990 Allen Avenue

Dear Priyanka Pawar,

In response to your request for information on water pipeline pressure and fire flow at 990 Allen Avenue, a fire flow test was conducted on fire hydrant number 814-19 on July 18, 2025, and the results were as follows:

Fire Hydrant number 814-19:

Static Pressure:	54	psi
Flow Pressure:	42	psi
Pitot:	30	psi
Total Observed Flow:	918	gpm
Flow at 20-psi residual:	1,611	gpm

Fire hydrant number 814-19 is located on the east curb of Allen Avenue, approximately 6 feet west of the west property line of 990 Allen Avenue. The residual pressure was taken at fire hydrant 814-19.

Property 990 Allen Avenue has three 2-inch domestic services, two 4-inch domestic services, three 4-inch fire services, and one 6-inch fire service. The 2-inch domestic services are all metered by 2-inch Badger meters. The 4-inch domestic services are metered by 3-inch Zenner meters.

If you have any questions, please contact our Water Utility Services Planning Section, at (626) 744-4495.

Sincerely,

Yan Qu, P.E.
Principal Engineer
Pasadena Water and Power

150 N. Los Robles Avenue · Suite 200 · Pasadena, CA 91101

DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

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

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

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

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

PROJECT INFORMATION

School District/Owner:	Pasadena Unified School District
Project Name/School:	Marshall Fundamental School
Project Address:	990 Allen Ave Pasadena, CA 91104

FIRE & LIFE SAFETY INFORMATION

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

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

School District Acceptance of Acceptable Design Alternates

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

Accepted by: _____ Title: _____

Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION

LFA Agency Name:	
LFA Review Official:	
Title:	Work Phone:
Work Email:	

LFA Reviewer's Signature: _____ Date: _____

LEGEND

- EXISTING BUILDINGS (NO SCOPE)
- NEW RELOCATABLE BUILDINGS
- FIRE ACCESS LANE
- CC — EXISTING CONCRETE
- AC — EXISTING AC PAVING
- EXISTING LANDSCAPING
- EXISTING RESTROOM UPGRADE UNDER SEPARATE PROJECT PENDING A#03-125519
- EXISTING FIRE HYDRANT
- EXISTING TREE
- POT — POT — (N) PATH OF TRAVEL
- EXISTING PATH OF TRAVEL PER A#03-113536, A#03-115852
- PROPERTY LINE

GENERAL NOTES

1. EXISTING ACCESSIBLE PATH OF TRAVEL FROM APPROVED APPLICATIONS: 03-113536, 03-114065, AND 03-103916
2. REFER TO CIVIL, LANDSCAPE, MECHANICAL, ELECTRICAL, AND RELOCATABLE BUILDING MANUFACTURER'S DRAWINGS FOR ADDITIONAL APPLICABLE SCOPE OF WORK.
3. CONTRACTOR SHALL VERIFY ALL CONDITIONS PRIOR TO CONSTRUCTION. ALL DISCREPENCIES SHALL BE BROUGHT TO THE ATTENTION OF OWNER AND ARCHITECT PRIOR TO COMMENCING WORK.
4. PATH OF TRAVEL NOTES:
   - A. TECHNICAL REQUIREMENTS FOR ACCESSIBLE ROUTE: PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND AT LEAST 48" WIDE SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80".
   - B. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT 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 FIND OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.
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BUILDING CODE ANALYSIS

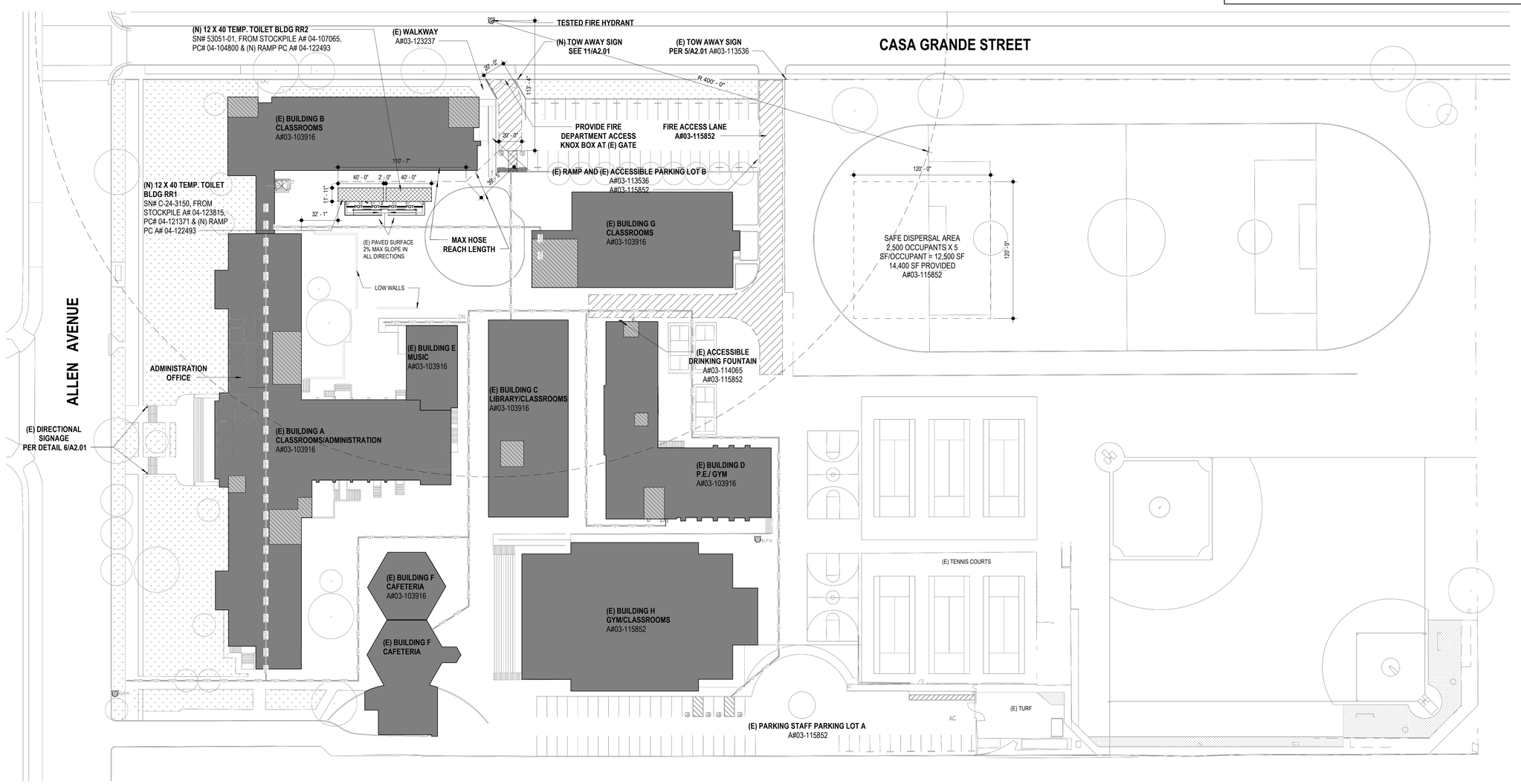
(N) 12 X 40 TEMPORARY MODULAR TOILET BUILDING = 480 SF

2 X (480 SF) = 960 SF

CANOPIES/ OVERHANGS: 4 X 2'-6" X 12'-0" = 120 SF

TOTAL FIRE AREA = TOTAL MODULAR BUILDING AREA + TOTAL CANOPY AND OVERHANG AREA

960 SF + 120 SF = 1,080 SF </= THE ALLOWABLE BUILDING HEIGHTS & AREAS, GROUP E OCCUPANCY, TYPE VB IS 9,500 SF



FIRE ACCESS SITE PLAN

SCALE: 1" = 40'-0"

1 G2.01

N

AGENCY

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125504 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/18/2025

PTN: 64881-212 APPL: 03-125504

FLEWELLING & MOODY
architecture planning interiors

HEADQUARTERS OFFICE:
99 S. Lake Avenue, Suite 300
Pasadena, CA 91101
Phone: 323.543.8300
E-Mail: fm-pasadena@flewelling-moody.com

ANTELOPE VALLEY OFFICE:
1035 West Lancaster Boulevard
Lancaster, California 93534
Phone: 661.949.0771
E-Mail: fm-lancaster@flewelling-moody.com

An Employee Owned Corporation

ARCHITECT

LICENSED ARCHITECT — PRIYANKA T. PAWAR — C-31421 — Exp. 08/31/2027 — STATE OF CALIFORNIA

CONSULTANT

Drawn by: Author
Check by: Checker

Revisions

No.	Date	Description

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PASADENA UNIFIED SCHOOL DISTRICT

MARSHALL FUNDAMENTAL SCHOOL
NEW TEMP. MODULAR TOILET BLDGS. MAXIMUM USE OF THREE YEARS FROM DATE OF INSTALLATION
990 ALLEN AVE PASADENA, CA 91104

Drawing Title

FIRE ACCESS SITE PLAN

Job No. 3189
Date 08/22/2024
Sheet No. **G2.01**

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- NEW RELOCATABLE BUILDINGS
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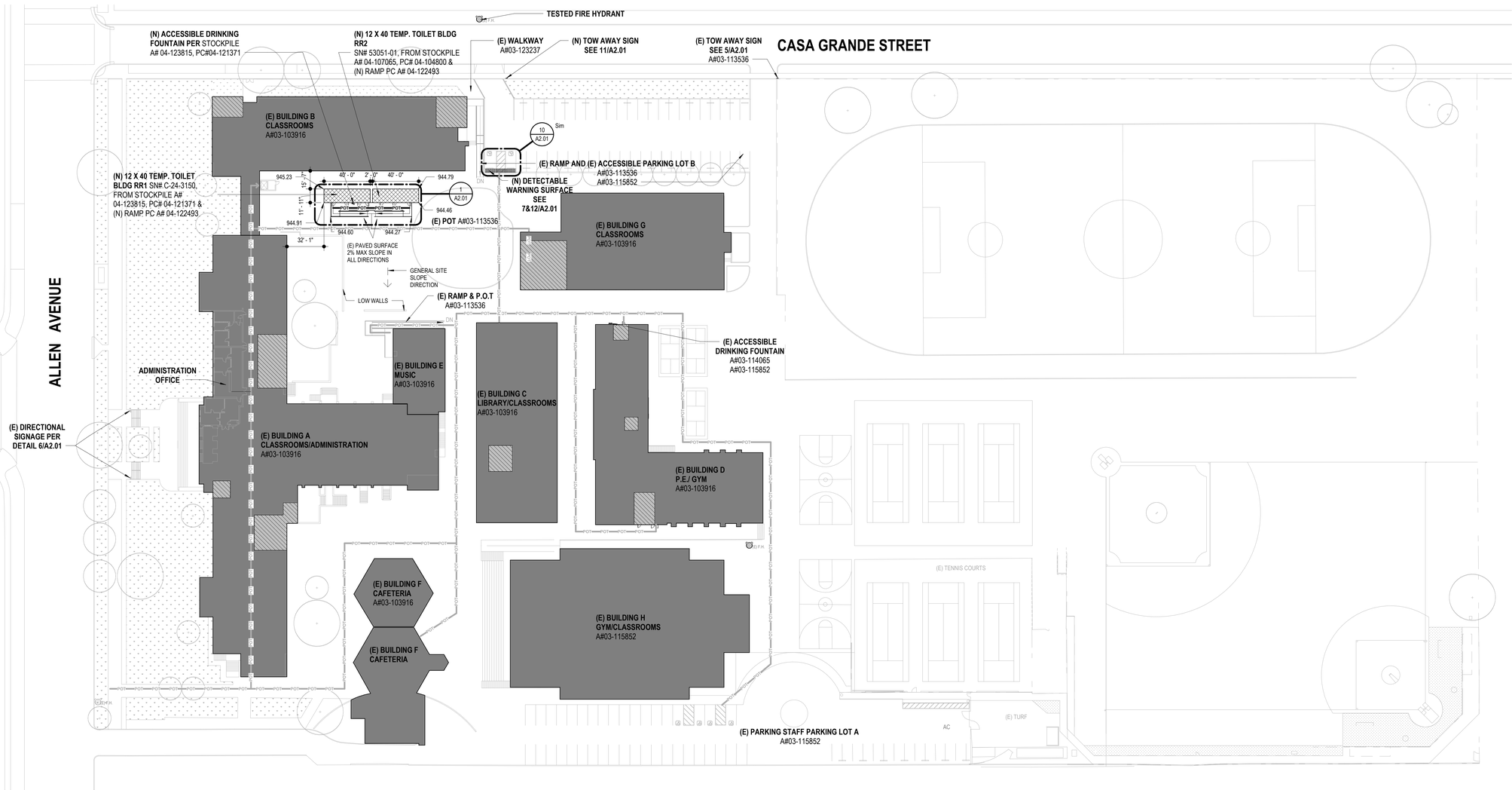
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OVERALL SITE PLAN

SCALE: 1" = 40'-0"

1 / A1.01

N

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AGENCY

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125504 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/18/2025

PTN: 64881-212 APPL: 03-125504

FLEWELLING & MOODY
architecture planning interiors

HEADQUARTERS OFFICE:
99 S. Lake Avenue, Suite 300
Pasadena, CA 91101
Phone: 323.543.8300
E-Mail: fm-pasadena@flewelling-moody.com

ANTELOPE VALLEY OFFICE:
1035 West Lancaster Boulevard
Lancaster, California 93534
Phone: 661.949.0771
E-Mail: fm-lancaster@flewelling-moody.com

An Employee Owned Corporation

ARCHITECT

LICENSED ARCHITECT — SCOTT T. GAMBLE — C-14211 — 09/30/2027 — STATE OF CALIFORNIA

CONSULTANT

Drawn by: -
Check by: -
Revisions

No.	Date	Description

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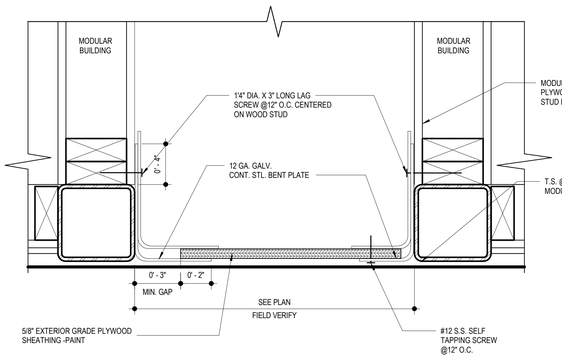
PASADENA UNIFIED SCHOOL DISTRICT

MARSHALL FUNDAMENTAL SCHOOL
NEW TEMP. MODULAR TOILET BLDGS. MAXIMUM USE OF THREE YEARS FROM DATE OF INSTALLATION
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Drawing Title

OVERALL SITE PLAN

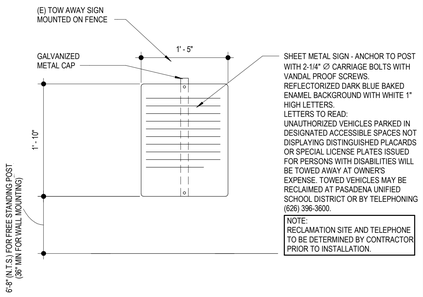
Job No. 3189
Date 08/22/2024
Sheet No. **A1.01**



CLOSURE BETWEEN MODULAR BLDGS

SCALE: 3" = 1'-0"

9 A2.01



(E) TOW AWAY SIGN

SCALE: 1" = 1'-0"

5 A2.01

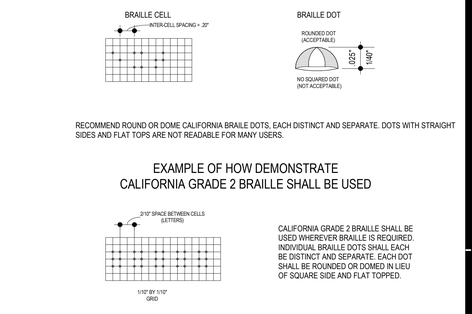
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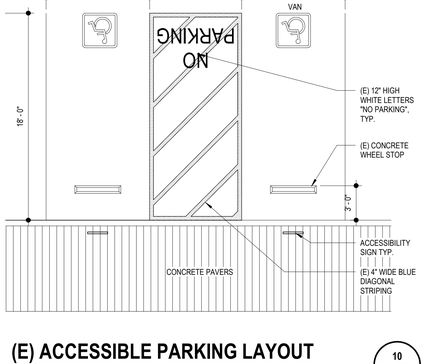
1. CHARCTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32" (0.794 mm) MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE (SEE NOTE 5)
2. CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" (15.9mm) AND MAXIMUM OF 2" (51 mm) HIGH.
3. FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MIN. AND HAVE A NON-GLARE FINISH. 11B-703.5.1
4. PROPORTIONS: CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". 11B-703.5.4
5. BRAILE: CALIFORNIA GRADE 2 BRAILLE SHALL BE USED WHERE BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10" (2.54 mm) ON CENTERS IN EACH CELL WITH 2/10" (0.58mm) SPACE BETWEEN CELLS, MEASURED IN 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" (0.635mm) ABOVE THE BACKGROUND. 11B-703.3
6. CHARACTER HEIGHT: MINIMUM CHARACTER HEIGHT SHALL COMPLY WITH TABLE 11B-703.5.5 VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CHARACTER AND AN OBSTRUCTION PREVENTING FURTHER APPROACH TOWARDS THE SIGN. CHARACTER HEIGHT SHALL BE BASED ON THE UPPERCASE LETTER "I". 11B-703.5.5

SIGNAGE NOTES

SCALE: 3" = 1'-0"

3 A2.01

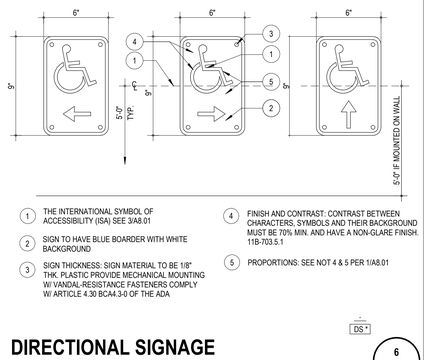




(N) DETECTABLE SURFACE RECON. PLAN

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

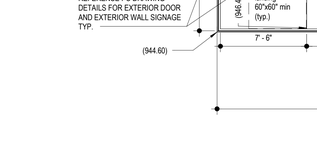
12 A2.01



(E) DETECTABLE SURFACE DEMO PLAN

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

8 A2.01



NOTES:

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7. SIGN THICKNESS: SIGN MATERIAL TO BE 1/8" THICK. PLASTIC, PROVIDE MECHANICAL MOUNTING W/ VANDAL-RESISTANT FASTENERS.
8. SIGN INSTALLATION: SIGN SHALL BE INSTALLED AT THE INTERIOR LATCH SIDE OF ALL DOORS EXITING TO THE BUILDING'S EXTERIOR.
9. MOUNTING HEIGHT: SHALL BE 60" A.F.F. TO BASELINE OF HIGHEST LINE OF RAISED CHARACTERS AND MIN. 48" A.F.F TO BASELINE OF LOWEST LINE OF BRAILE.

ERD

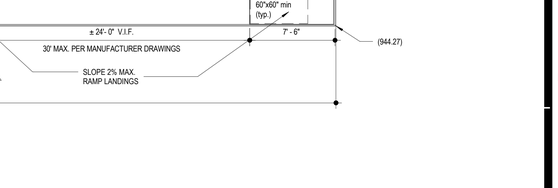
EXIT RAMP DOWN (ACCESSIBLE)

SCALE: 3" = 1'-0"

4 A2.01

DIMENSIONS FOR ACCESSIBILITY IN TOILET FACILITIES:

	ADULTS	ELEMENTARY	KINDERGARTEN
TOILET CENTER LINE FROM WALL	17"-18"	15"	12"
TOILET SEAT HEIGHT	17"-19"	15"	11"-12"
GRAB BAR HEIGHT (TOP OF SURFACE)	33"-36"	25"	18"-20"
TOILET PAPER IN FRONT OF TOILET	7"-9"	7"-9"	7"-9"
TOILET PAPER ABOVE FLOOR	19" MIN.	17"	14"
NAPKIN DISPOSAL ON SIDEWALL BETWEEN REAR WALL/TOILET PAPER	19" MIN.	12" MAX.	N/A
DISPENSER OR BOTTOM OF REFLECTIVE SURFACE	40" MAX.	36" MAX.	32" MAX.
LAVATORY/SINK TOP HEIGHT	34" MAX.	31" MAX.	24" MAX.
LAVATORY/SINK KNEE CLEARANCE	27" MIN.	24" MIN.	19" MIN.
LAVATORY APRON CLEAR	29" MIN.	-	
URINAL LIP HEIGHT	17" MAX.	15" MAX.	13" MIN.
URINAL FLUSH HANDLE HEIGHT	44" MAX.	37" MAX.	32" MAX.







DIMENSIONS FOR ACCESSIBILITY IN TOILET FACILITIES

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

2 A2.01

(N) TOW AWAY SIGN

SCALE: 1" = 1'-0"

11 A2.01

NOTE:

1. DETECTABLE WARNING SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES. WARNING SURFACES SHALL BE OF THE COLOR YELLOW CONFORMING TO FEDERAL COLOR NO. 33538 AND GUARANTEED FOR 5 YEARS.
2. DETECTABLE WARNING TILES SHALL FORM A CONTINUOUS SURFACE FROM SIDEWALK.
3. WARRANTY INFORMATION: PER DSA BULLETIN 9/27/04 A MINIMUM OF FIVE YEARS PRODUCT WARRANTY FROM MANUFACTURER OF DETECTABLE WARNINGS AND DIRECTIONAL SURFACE PRODUCTS AS EQUIVALENT TO DSA EVALUATIONS. WARRANTY SHALL INDICATE COMPLIANCE WITH ARCHITECTURAL STANDARDS AS SHOWN IN CBC SECTION 11B-705.1 AND INCLUDE DURABILITY CRITERIA FOR SHADE, COLOR, SOUND ON CANE ACOUSTICAL QUALITY, RESILIENCE AND ATTACHMENTS - MINIMUM FIVE YEARS AFTER INSTALLATION.

(N) DETECTABLE WARNING SURFACE

SCALE: 3" = 1'-0"

7 A2.01

(E) ACCESSIBLE PARKING LAYOUT

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

10 A2.01

1. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) SEE 3/A8.01
2. SIGN TO HAVE BLUE BOARDER WITH WHITE BACKGROUND
3. SIGN THICKNESS: SIGN MATERIAL TO BE 1/8" THK. PLASTIC PROVIDE MECHANICAL MOUNTING W/ VANDAL-RESISTANCE FASTENERS COMPLY W/ ARTICLE 4.30 BCA4.3-0 OF THE ADA
4. FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MIN. AND HAVE A NON-GLARE FINISH. 11B-703.5.1
5. PROPORTIONS: SEE NOT 4 & 5 PER 1/A8.01

DS

DIRECTIONAL SIGNAGE

SCALE: 3" = 1'-0"

6 A2.01

ENLARGED TOILET BLDG. PLAN - SEE MFR. DWGS. FOR REFERENCE

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

1 A2.01

N

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CONSULTANT

Drawn by: Author
Check by: Checker

Revisions

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PASADENA UNIFIED SCHOOL DISTRICT

MARSHALL FUNDAMENTAL SCHOOL NEW TEMP. MODULAR TOILET BLDGS. MAXIMUM USE OF THREE YEARS FROM DATE OF INSTALLATION

990 ALLEN AVE PASADENA, CA 91104

Drawing Title

ENLARGED FLOOR PLAN AND DETAILS

Job No. 3189

Sheet No. **A2.01**

Date 08/22/2024

ELECTRICAL SYMBOLS

▬	ELECTRICAL PANEL
□	WALL MOUNTED PULLBOX
(A)	PANEL DESIGNATION. LETTER IDENTIFIES PANEL.
———	CONDUIT: EXPOSED IN UNFINISHED AREAS; CONCEALED ABOVE CEILING OR IN WALL IN FINISHED AREAS.
- - - - -	CONDUIT: IN OR BELOW FLOOR OR BELOW GRADE.
- - - - -	EXISTING CONDUIT WITH WIRES.
A-1,3,5 ←////	HOMERUN TO PANEL "A", CIRCUITS 1, 3, 5.
A-1;2;3 ←//////	HOMERUN TO PANEL "A", CIRCUITS A-1, A-2, & A-3.
———	3/4"C, 2#12 THWN-CU & 1#12G.
—//—	3/4"C, 3#12 THWN-CU & 1#12G.
—////	3/4"C, 4#12 THWN-CU & 1#12G.
—////	3/4"C, 5#12 THWN-CU & 1#12G. 1/2"C WITH LIGHTING DIMMING CABLE, 2#16
—//////	3/4"C, 6#12 THWN-CU & 1#12G.
—DC—	
—LV—	CONTROL CABLE, CAT-5E DATA CABLE WITH JACK, PLENUM TYPE.
1"C,3#6	OTHER CONDUIT AND WIRE SIZE AS NOTED ON DRAWINGS.
S_{ab}	MULTIPLE SINGLE POLE SWITCHES IN MUTIGANG BOX. NUMBER OF LOWER CASE LETTER INDICATE NUMBER OF SWITCHES.
S	SINGLE POLE SWITCH.
S_2	TWO POLE SWITCH.
S_M	HORSE POWER RATED SWITCH.
S_{Kab}	KEYED SWITCH (2) SINGLE POLE.

H.P.	HORSEPOWER.	C.O.	CONDUIT ONLY WITH #12 PULL WIRE
N.F.	NON-FUSED.	W.P.	WEATHERPROOF.
(E)	EXISTING.	(N)	NEW.
TC	TIME CLOCK.	(R)	RELOCATE.
(XR)	DEMOLITION	(RR)	REMOVE & REINSTALL

(1) REFERENCE KEYED NOTE.

GENERAL NOTES

1. THE SPECIFICATIONS AND DRAWINGS ARE INTENDED TO COVER A COMPLETE INSTALLATION OF SYSTEMS. THE OMISSION OF EXPRESSED REFERENCE TO ANY ITEM OF LABOR OR MATERIAL FOR THE PROPER EXECUTION OF THE WORK IN ACCORDANCE WITH PRESENT PRACTICE OF THE TRADE SHALL NOT RELIEVE THE CONTRACTOR FROM PROVIDING SUCH ADDITIONAL LABOR AND MATERIALS.

2. WORK INCLUDES ALL LABOR, MATERIALS, APPLIANCES, TOOLS, EQUIPMENT, FACILITIES, TRANSPORTATION AND SERVICES NECESSARY FOR AND INCIDENTAL TO PERFORMING ALL OPERATIONS IN CONNECTION WITH FURNISHING, DELIVERY AND INSTALLATION OF ELECTRICAL SYSTEM, COMPLETE, AS SHOWN ON THE DRAWINGS AND/OR SPECIFIED HEREIN.

3. CONSTRUCT PROJECT IN ACCORDANCE WITH FOLLOWING CODES: REGULATIONS OF STATE AND LOCAL FIRE MARSHAL; NATIONAL ELECTRIC CODE, NATIONAL FIRE PROTECTION ASSOCIATION, EDITION IN FORCE; LOCAL CODES AND ORDINANCES; TITLE 19, 21 AND 24 CALIFORNIA ADMINISTRATIVE CODE, & CALIFORNIA ENERGY CODE 2022.

4. PERMITS, FEES AND INSPECTIONS: OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND FEES REQUIRED BY ANY CONSTITUTED AUTHORITY HAVING JURISDICTION INCLUDING UTILITIES. ARRANGE AND PAY FOR ALL REQUIRED INSPECTIONS OR EXAMINATIONS AND DELIVER CERTIFICATES OF INSPECTION TO ARCHITECT.

5. RECORD DRAWINGS: ON COMPLETION OF WORK, OBTAIN ONE SET OF XEROX VELLUMS FROM ARCHITECT AT COST OF PRINTING, AND NOTE NEATLY IN SCALE ALL CHANGES ON RECORD SET. DELIVER COMPLETE SET OF VELLUMS TOGETHER WITH ONE SET OF BLUELINE PRINTS TO ARCHITECT TOGETHER WITH CONTRACTOR'S NAME, ADDRESS AND PHONE NUMBER. INCORRECT, NON-LEGIBLE OR NON-REPRODUCIBLE DRAWINGS WILL NOT BE ACCEPTED.

6. SUBMIT A LIST OF MATERIALS AND EQUIPMENT MANUFACTURERS THAT CONTRACTOR INTENDS TO USE. SUBMIT SHOP DRAWINGS FOR: SWITCHBOARDS, PANELBOARDS, LIGHT FIXTURES, TRANSFORMERS AND DISCONNECT SWITCHES.

7. THE TERM "PROVIDE" USED ON DRAWINGS SHALL BE CONSIDERED TO MEAN "FURNISH AND INSTALL".

8. BEFORE PROCEEDING WITH WORK CAREFULLY CHECK AND VERIFY ALL DIMENSIONS AND SIZES AND ASSUME ALL RESPONSIBILITY FOR FITTING OF MATERIALS AND EQUIPMENT TO OTHER PARTS OF EQUIPMENT AND TO STRUCTURE. WHERE APPARATUS AND EQUIPMENT HAVE BEEN INDICATED ON DRAWINGS, DIMENSIONS HAVE BEEN TAKEN FROM TYPICAL EQUIPMENT OF CLASS INDICATED. CAREFULLY CHECK DRAWINGS AND SEE THAT EQUIPMENT WILL FIT INTO SPACES PROVIDED.

9. LOCATIONS OF CONDUITS, OUTLETS, APPARATUS AND EQUIPMENT INDICATED ON DRAWINGS ARE APPROXIMATE ONLY AND SHALL BE CHANGED TO MEET ARCHITECTURAL AND STRUCTURAL CONDITIONS AS REQUIRED.

10. BE CAUTIONED THAT DIAGRAMS SHOWING ELECTRICAL CONNECTIONS ARE DIAGRAMMATIC ONLY AND MUST NOT BE USED FOR OBTAINING LINEAL RUNS OF WIRING OR CONDUIT. WIRING DIAGRAMS DO NOT NECESSARILY SHOW EXACT PHYSICAL ARRANGEMENT OF EQUIPMENT.

11. EXTRA WORK OR COSTS TO THIS CONTRACTOR DUE TO OTHER CONTRACTORS OR TRADES SHALL BE ADJUSTED BETWEEN THIS CONTRACTOR AND OFFENDING CONTRACTOR AT NO EXTRA COST TO OWNER. NOTIFY ARCHITECT BEFORE SUCH EXTRA WORK IS DONE.

12. WHERE EQUIPMENT IS MOUNTED ON VIBRATION ISOLATORS, USE FLEXIBLE CONNECTIONS TO REDUCE TRANSMISSION OF NOISE.

13. WHERE CONDUITS PASS THROUGH SLEEVES IN INTERIOR WALLS, FLOORS, OR CEILINGS, COMPLETELY FILL SPACE BETWEEN EACH CONDUIT AND ITS SLEEVE TO PROVIDE AN AIRTIGHT SEAL.

14. USE GLASS FIBER MATERIAL, "DUXSEAL" COMPOUND, FOR ACOUSTIC SEALS.

15. PROVIDE RECESSED OUTLET BOXES IN FINISHED AREAS; SECURE BOXES TO INTERIOR WALL AND PARTITION STUDS. ACCURATELY POSITION TO ALLOW FOR SURFACE FINISH THICKNESS. USE STAMPED STEEL STUD BRIDGES FOR FLUSH OUTLETS IN HOLLOW STUD WALL, AND ADJUSTABLE STEEL CHANNEL FASTENERS FOR FLUSH CEILING OUTLET BOXES. INSTALL PLASTER RINGS TO INTERFACE WITH EQUIPMENT TO BE MOUNTED THEREON.

16. ALIGN WALL-MOUNTED OUTLET BOXES FOR SWITCHES, THERMOSTATS, AND SIMILAR DEVICES.

17. PROVIDE CAST OUTLET BOXES IN EXTERIOR LOCATIONS AND WET LOCATIONS.

18. WHERE BOXES ARE INSTALLED IN FIRE RATED CEILING OR WALLS, BE RESPONSIBLE FOR PRESERVING INTEGRITY OF FIRE RATING AS REQUIRED.

19. IN FIRE-RATED WALL, USE 4" SQUARE DEEP BOXES. DO NOT AGGREGATE MORE THAN 100 SQUARE INCHES OF BOXES FOR ANY 100 SQUARE FEET OF WALL OR PARTITIONS. SEPARATE OUTLET BOXES ON OPPOSITE SIDES OF WALLS OR PARTITION BY A MINIMUM HORIZONTAL DISTANCE OF 24 INCHES.

GENERAL NOTES CONT.

20. PROVIDE COPPER CONDUCTORS ONLY.

21. PROVIDE TYPE "THHN" OR "THWN" WIRES ONLY.

22. MOUNT RECEPTACLES, TELEPHONES AND J-BOXES LOCATED IN WALL AT +18" FROM FLOOR LINE TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED ON PLAN.

23. MOUNT LIGHT SWITCHES, T-STATS, ETC. AT +48" UNLESS OTHERWISE NOTED.

24. PROVIDE "U.L. APPROVED" OR "U.L. LISTED" ELECTRICAL EQUIPMENT ONLY.

25. USE TYPE "THHN" WIRE FOR ALL LIGHT FIXTURES MOUNTED END-TO-END. USE OF STEEL ARMORED METAL-CLAD (MC) CABLES SHALL BE PERMITTED FOR DISTRIBUTION OF BRANCH CIRCUITS WHERE ROUTED IN CONCEALED LOCATIONS AND INSTALLED WITH HANGERS AND SUPPORTS SPECIFICALLY APPROVED FOR MC CABLE SYSTEMS. MC CABLE SHALL BE INDEPENDENTLY SUPPORTED AND SHALL NOT RELY ON CEILING OR WALL FRAMING FOR SUPPORT. MC CABLE SHALL NOT BE USED IN EXPOSED LOCATIONS. MC CABLE IS NOT PERMITTED FOR CIRCUIT HOMERUNS.

26. PROVIDE APPROVED PADLOCKING DEVICE FOR EACH AND EVERY CIRCUIT BREAKER IN EVERY PANELBOARD. (THESE ARE IN ADDITION TO ANY HANDLE LOCKOFFS INDICATED ON PANEL SCHEDULES.)

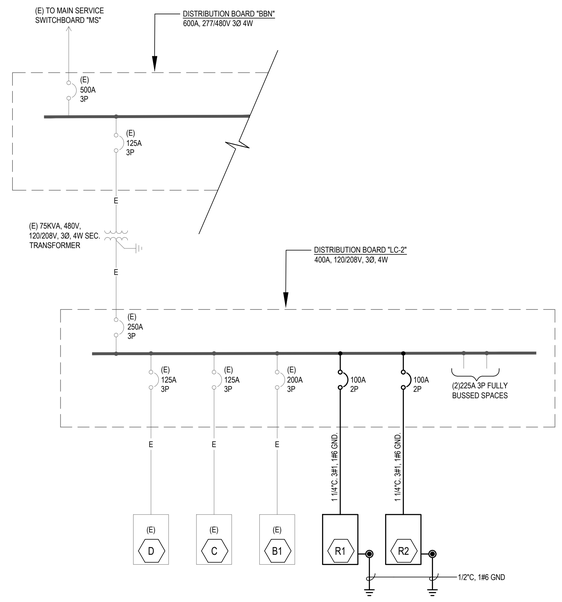
27. FURNISH, INSTALL AND CONNECT ALL LAMPS.

28. PROVIDE WHEREVER NECESSARY ALL ADDITIONAL BACKING, BLOCKING AND SUPPORTS FOR LIGHT FIXTURES.

29. ALL CONDUCTORS THAT ARE #10 AWG AND SMALLER SHALL BE SOLID.

SCOPE OF WORK

INSTALLATION OF (2) TEMPORARY MODULAR TOILETS. CONNECT EXISTING MODULAR PANELS TO EXISTING PANEL AT BUILDING B .



PARTIAL SINGLE LINE DIAGRAM
N.T.S.

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PASADENA UNIFIED SCHOOL DISTRICT

MARSHALL FUNDEMENTAL SCHOOL
TEMPORARY TOILET BUILDING

990 ALLEN AVE, PASADENA, CA 91104

Drawing Title

SYMBOL LIST,
NOTES, CODES
& DETAILS

Job No. ----.0000

Date 07/31/2025

Sheet No. E1.0

NOT FOR CONSTRUCTION

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 Chapter 13, 26 and 30.

1. All permanent equipment and components.
2. Temporary movable, or mobile equipment that is permanently attached (e.g. hard wired) to the building utility services such as electricity, gas or water. "Permanently attached" shall include all electrical connections except plugs for 110/220 volt receptacles having a flexible cable.
3. Temporary, movable, or mobile equipment which is heavier than 400 pounds or has a center of mass located 4 feet or more above the adjacent floor or roof level that directly support the component is required to be restrained in a manner approved by DSA.

The following mechanical and electrical components shall be positively attached to the structure but need not demonstrate design compliance with the references noted above. These components shall have flexible connections provided between the component and associated ductwork, piping, and conduit. Flexible connections must allow movement in both transverse and longitudinal directions:

A. Components weighing less than 400 pounds and have a center of mass located 4 feet or less above the adjacent floor or roof level that directly support the component.
B. Components weighing less than 20 pounds, or in the case of distributed systems, less than 5 pounds per foot, which are suspended from a roof or floor or hung from a wall.

The anchorage of all mechanical, electrical and plumbing components shall be subject to the approval of the design professional in general responsible charger or structural engineer delegated responsibility and acceptance by DSA. The project inspector will verify that all components and equipment have been anchored in accordance with the above requirements.

Piping, Ductwork, and Electrical Distribution System Bracing Note

Piping, ductwork, and electrical distribution systems shall be braced to comply with the forces and displacements prescribed in ASCE 7 Section 13.3 as defined in ASCE 7 Section 13.6.5, 13.6.7, 13.6.8, and 2022 CBC, Sections 1617A.1.24, 1617A.1.25 and 1617A.1.26.

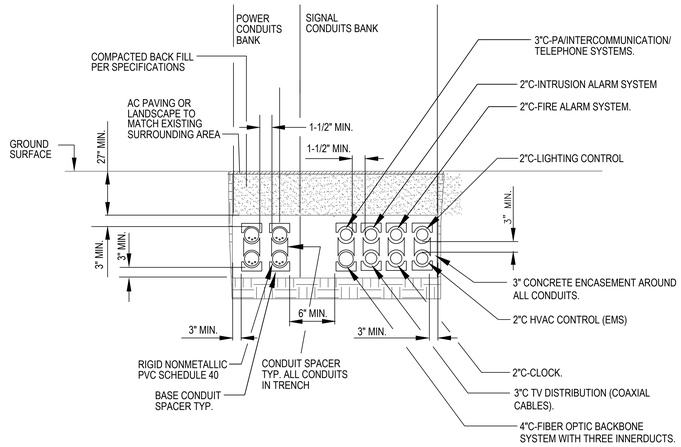
The method of showing bracing and attachments to the structure for the identified distribution system are as noted below. The MEP design professional engineer responsible for content on these sheets has verified that the design methods identified are in accordance with DSA IR 16-13.

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.

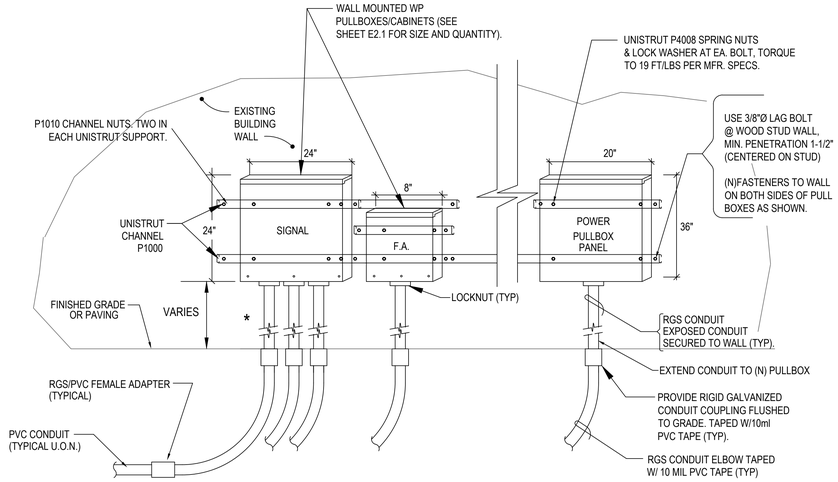
MP ☐ MD ☐ PP ☐ E ☐ - Option 3: Design Based on OSHPD OPM, Deferred Submittal.



NOTE: SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

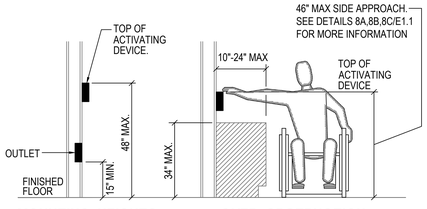
3 E1.1 CONDUIT DUCT BANK DETAIL
N.T.S.

NOTE: DETAILS SHOWS TYPICAL CONDUIT SPACING AND DEPTH ONLY. REFER TO DRAWING FOR EXACT QUANTITY AND SIZES OF CONDUITS. IN PAVED AREAS BACKFILL WITH SLURRY.



* QUANTITY OF CONDUIT PER SITE PLAN DRAWING.

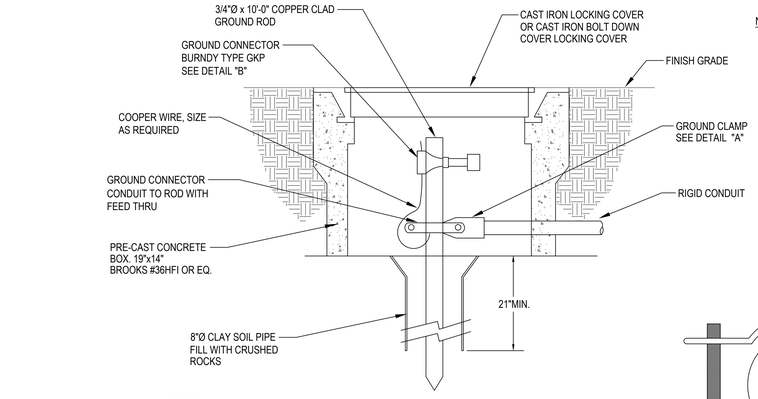
4 E1.1 POWER/COMMUNICATION JUNCTION BOXES/CABINETS DETAIL
N.T.S.



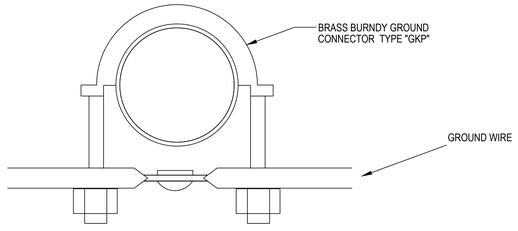
8 E1.1 MOUNTING HEIGHTS
N.T.S.

TYPICAL MOUNTING HEIGHTS ABOVE FINISHED FLOOR (UNLESS OTHERWISE NOTED ON DRAWINGS)

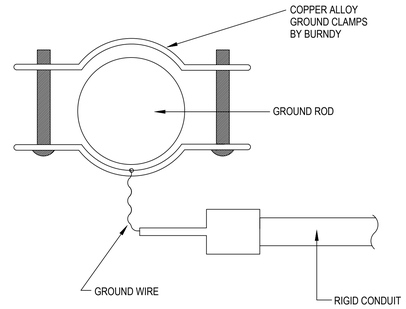
+46" MAX TO OPERATING HANDLE	LIGHT SWITCHES, DIMMER SWITCHES, FIRE ALARM PULL STATION, DUCT DETECTOR TEST PANEL, INTERCOM CALL SWITCH, SPEAKER VOLUME CONTROL, T-STATS, BY-PASS TIMER, WALL TELEPHONE.
+15" TO BOTTOM OF BOX	ALL DUPLEX RECEPTACLES, WALL OUTLET FOR DESK TELEPHONE, COMPUTER OUTLET, UNLESS OTHERWISE NOTED.



NOTE: PROVIDE ONE ADDITIONAL GROUND ROD IN CONCRETE BOX AT 6 FT AWAY AS NEEDED IF 5 OHM REQUIREMENT IS NOT MET WITH ONLY ONE GROUND ROD BY EXTENDING SAME CONDUIT AND WIRE AND USING SAME CLAMPS. SEE SPECIFICATIONS.



TOP VIEW . DETAIL "B"



PLAN VIEW OF GROUND CLAMP TO RIGID CONDUIT DETAIL "A"

2 E1.1 GROUND ROD AND PRE-CAST CONCRETE GROUND BOX DETAIL
N.T.S.

FIRE ALARM SYSTEM DESCRIPTION
FIRE ALARM SUBMITTAL CONSISTS OF COMPLETE FULLY AUTOMATIC FIRE ALARM SYSTEM AT THE NEW MODULAR BUILDINGS PER CFC 907.2.3.

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MARSHALL FUNDEMENTAL SCHOOL TEMPORARY TOILET BUILDING

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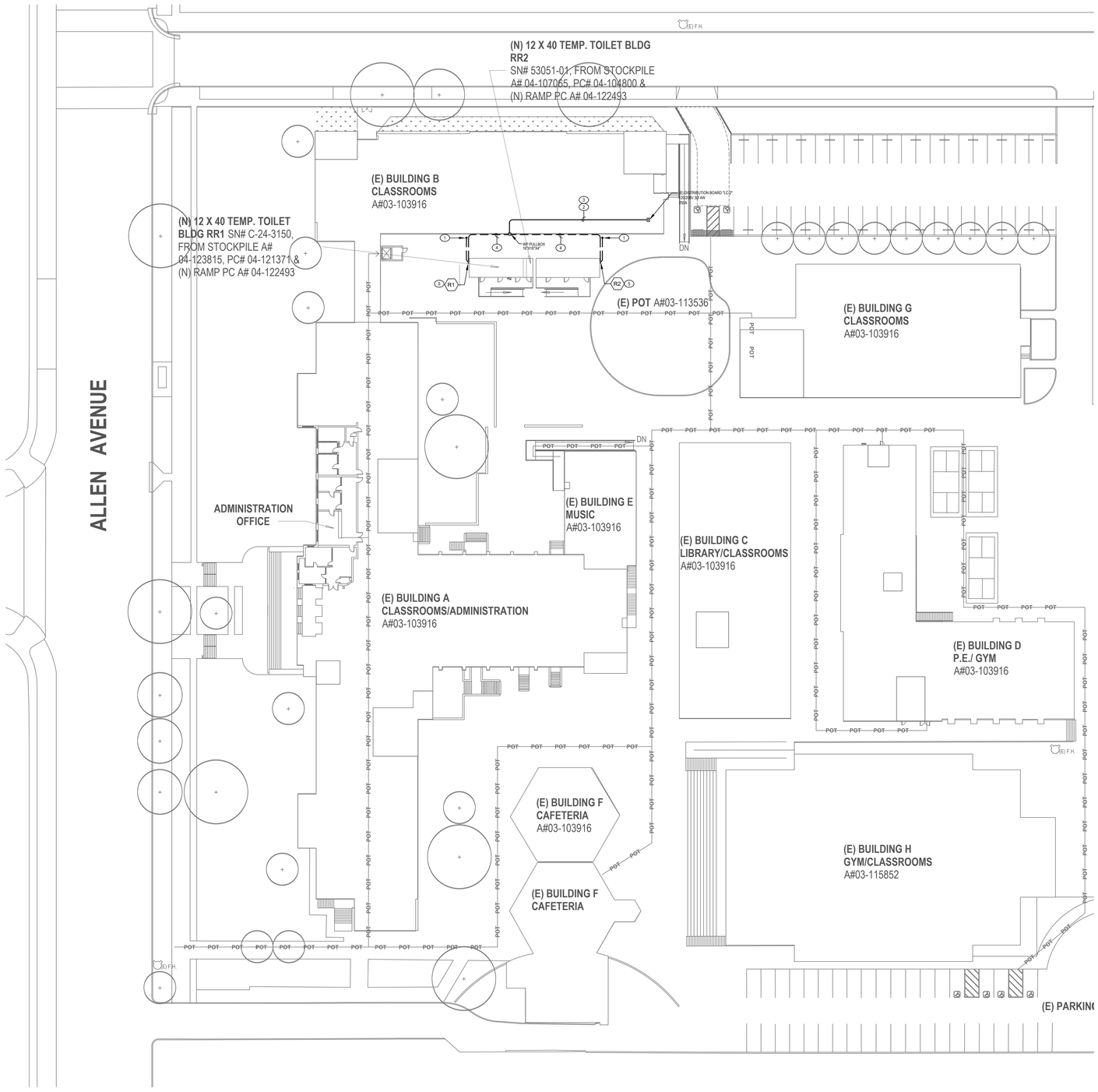
ELECTRICAL DETAILS & ANCHORAGE NOTE

Job No. ----.0000

Sheet No. E1.1

Date 07/31/2025

NOT FOR CONSTRUCTION



ELECTRICAL SITE PLAN
SCALE : 1" = 20'-0"
1
E2.1

GENERAL NOTES

1. ALL ITEMS ARE NEW UNLESS OTHERWISE NOTED.
2. ALL CONDUITS INSIDE THE BUILDING SHALL BE CONCEALED IN ATTAIC SPACE UNLESS OTHERWISE NOTED.
3. CONDUITS RUNS ARE DIAGRAMMATIC. PROVIDE PULLBOX(ES) TO COMPLY WITH NEC.
4. ALL CONDUIT RUNS ON EXTERIOR OF BUILDINGS SHALL BE EQUIPPED WITH SEISMIC APPROVED HARDWARE. PAINT TO MATCH EXISTING SURFACE.

KEYED NOTES

(1) 1#6 GND TO 8'-0" X 5/8" CU ROD GROUNDING ELECTRODE COMPLIANT WITH NEC SECTION 250. GROUND ROD TO BE INSTALLED WITHIN PLANTER. SEE DETAIL 2/E1.1.

(2) RUN CONDUIT THROUGH CRAWL SPACE UNDERNEATH THE BUILDING. PROVIDE MOUNTING SUPPORT AS REQUIRED.

(3) (2) 1 1/4"C. 3#1, 1#6 GND. EA.

(4) 1 1/4"C. 3#1, 1#6 GND.

(5) CONNECT TO EXISTING ELECTRICAL PANEL TEMPORARY TOILET MODULAR BUILDING. PROVIDE 100A-2P BREAKER ON PANEL 'LC-2'. BREAKER TYPE TO MATCH EXISTING.ASDASD

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PASADENA UNIFIED SCHOOL DISTRICT

MARSHALL FUNDEMENTAL SCHOOL TEMPORARY TOILET BUILDING

990 ALLEN AVE, PASADENA, CA 91104

Drawing Title

ELECTRICAL
SITE PLAN

Job No. ----.0000
Date 07/31/2025
Sheet No. E2.1

NOT FOR CONSTRUCTION

FIRE ALARM SYMBOL LIST

- (SD) ADDRESSABLE SMOKE DETECTOR, PHOTOELECTRIC TYPE.
- (HD) ADDRESSABLE HEAT DETECTOR MOUNTED IN CEILING.
- (SS) ALARM HORN STROBE, CANDELA RATING AS INDICATED. +80" TO BOTTOM OF STROBE LIGHT.
- (L) FIRE ALARM STROBE, CANDELA RATING AS INDICATED. +80" TO BOTTOM OF STROBE LIGHT.

(E)	EXISTING.	(N)	NEW.
(XR)	DEMOLITION	(R)	RELOCATE.
(RR)	REMOVE & REINSTALL		

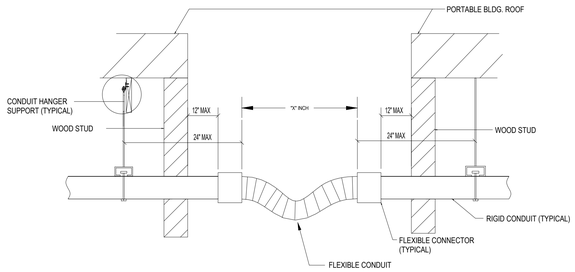
FIRE ALARM CABLE AND WIRING

- "F" CABLE - "WEST PENN" NO. D980, 1 PAIR #18 NON-SHIELDED - FIRE ALARM ADDRESSABLE LOOP.
- "A" CABLE - 2#14 TWISTED PAIR, AUDIO CABLE
- "V" CABLE - 2#12 AWG-FIRE ALARM VISUAL CIRCUIT CABLE.
- F — 3/4" CONDUIT WITH ONE "F" CABLE.
- 2F — 3/4" CONDUIT WITH TWO "F" CABLES.
- 2F,2A — 1" CONDUIT WITH TWO "F" CABLES, TWO "A" CABLES.
- 2F,2A,2V — 1 1/4" CONDUIT WITH TWO "F" CABLES, TWO "A" CABLES, TWO "V" CABLES.

SYMBOLS	COMPONENT	NOTIFIER	CSFM NO.
	(E) MAIN FIRE ALARM CONTROL PANEL (A#103916)	NSF2-3030	7165-0028:0224
(HD)	HEAT DETECTOR	FST-951	7254-0028:0502
(SD)	SMOKE DETECTOR	FSP-951	7272-0028:0503
(SS)	WALL MOUNTED HORN/STROBE	SPSWL(A)	7125-1653:0505
(L)	WALL MOUNTED STROBE	SWL(A)	7125-1653:0505

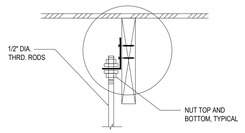
FIRE ALARM SEQUENCE OF OPERATION

DEVICE ACTION	MANUAL PULL STATION	SMOKE DETECTORS	MFACP AC POWER FAILURE	HEAT DETECTOR
ACTIVATE ALARM THROUGHOUT BUILDING	YES	YES	NO	YES
ANNUNCIATE AT PANEL	YES	YES	YES	YES
SOUND TROUBLE BUZZER	ON WIRING FAULT	ON WIRING FAULT	YES	ON WIRING FAULT
NOTIFY CENTRAL STATION	YES	YES	YES	YES



CONDUIT SIZE	"X" FLEX. LENGTH
3/4" - 1-1/4"	+60" MAX.

1 FA1.0 **CONDUIT RUN BETWEEN SEISMIC JOINT OR DIFFERENT STRUCTURE**
N.T.S.

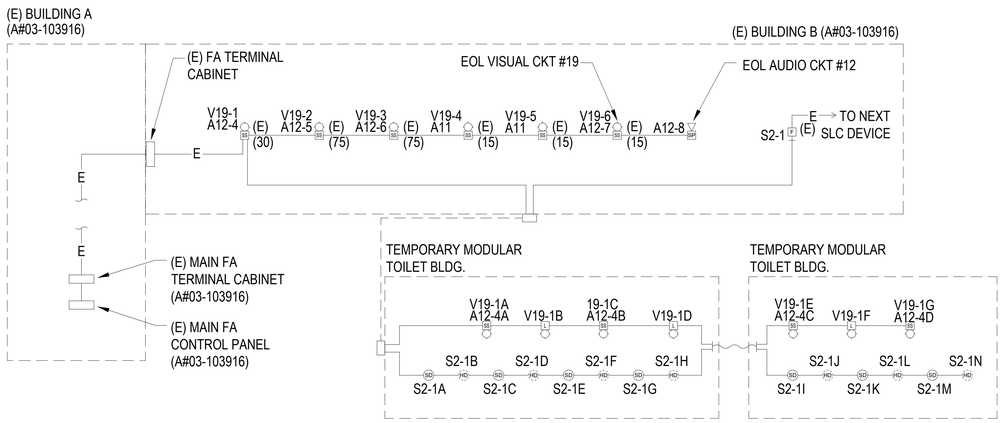


2A FA1.0 **ATTACHMENT DETAIL**
N.T.S.

APPLICABLE CODES & STANDARDS

LIST OF APPLICABLE CODES
2025 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, Part 6, Title 24 CCR
2022 California Fire Code (CFC), Part 9, Title 24 CCR
2022 California Existing Building Code (CEBC), Part 10, Title 24 CCR
2022 California Green Building Standards Code (CALGreen), Part 11, Title 24 CCR
2022 California Referenced Standards Code, Part 12, Title 24 CCR
Title 19 CCR, Public Safety, State Fire Marshal Regulations

APPLICABLE STANDARDS
For a list of applicable standards, including California amendments to the NFPA Standards, refer to CBC Chapter 35 and CFC Chapter 80.



PARTIAL FIRE RISER
N.T.S.

FIRE ALARM NOTES

1) THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF THE CALIFORNIA ELECTRICAL CODE, CURRENT CALIFORNIA TITLE 24 REQUIREMENTS, CALIFORNIA FIRE CODE, NFPA 72 AND 101 STANDARDS (BASED ON CBC 2022), AMERICAN WITH DISABILITY ACT (ADA) REQUIREMENTS, & CALIFORNIA STATE FIRE MARSHALL REQUIREMENTS.

2) ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE(S), OR ANY RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT/ENGINEER OF RECORD PRIOR TO COMMENCING ANY WORK.

3) SPECIFIC COMPONENTS ON CATALOG CUT SHEETS MUST BE HIGHLIGHTED, OR IDENTIFIED.

4) CONTRACTOR SHALL MAINTAIN A COMPLETE ADDRESSABLE FIRE ALARM SYSTEM, INCLUDING BUT NOT LIMITED TO WIRING, CONDUITS AND DEVICES REQUIRED FOR SATISFACTORY OPERATION OF SYSTEM.

5) PRIOR TO RELEASING THE FIRE ALARM INSTALLATION, CONTRACTOR SHALL PERFORM AN OWNERS TEST AND GENERATE DOCUMENTATION OF THAT TEST. THE OAR SHALL PROVIDE A SET OF FIRE ALARM SYSTEM RED-LINE DRAWINGS (AS FINALIZED BY CONTRACTOR AND ACCEPTED BY IOR AND AE) AND A COPY OF CONSTRUCTION DRAWINGS ON COMPACT DISC AT THE TIME OF THE TEST.

6) CONSULT WITH THE OWNER'S REPRESENTATIVE BEFORE STARTING WORK.

7) ALL EXPOSED CONDUITS AND BOXES SHALL BE PAINTED TO MATCH THE SURFACES WHERE INSTALLED.

8) ALL EXISTING MATERIALS REMOVED FROM BUILDINGS SHALL BE REMOVED FROM SITE AS DIRECTED BY THE OWNER'S REPRESENTATIVE.

9) WHERE EXISTING STRUCTURAL WALLS ARE CORED FOR NEW CONDUIT RUNS, SEPARATION BETWEEN CORED HOLES SHALL BE THREE INCHES FROM NEW OR EXISTING HOLES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

10) THE REPRESENTATION OF PHYSICAL PLACEMENT OF EXISTING CONDUITS HAS BEEN DEVELOPED FROM THE BEST INFORMATION AVAILABLE AT THE TIME THE DRAWINGS WERE PREPARED. OWNER'S REPRESENTATIVE PROVIDES THIS ONLY AS A GENERAL GUIDELINE FOR THE CONVENIENCE OF BIDDERS/CONTRACTORS AND DOES NOT GUARANTEE OR WARRANT IN ANY WAY EXPRESSLY OR IMPLIEDLY, THE ACCURACY OF THESE REPRESENTATIONS. NOTHING IN THIS DISCLAIMER AFFECTS IN ANY WAY THE DUTY OF THE CONTRACTOR TO FURNISH ACCURATE "AS BUILT" DRAWINGS AFTER THE COMPLETION OF THE CONTRACT.

11) IN EXISTING BUILDINGS, CONTRACTORS SHALL NOT WORK IN AREAS CONTAMINATED BY MATERIALS MADE OF ASBESTOS UNTIL THE ASBESTOS MATERIALS HAVE BEEN REMOVED OR ENCAPSULATED.

12) REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND EQUIPMENT AND MATERIAL APPROVED FOR USE UNDER THIS CONTRACT.

13) EXISTING FIRE ALARM SYSTEM MUST REMAIN IN OPERATION UNTIL NEW DEVICES ARE INSTALLED, APPROVED AND OPERATIONAL.

14) QUANTITY OF WIRES SHOWN IN ALL CONDUITS IS FOR GENERAL GUIDELINE. SUPPLIER OF AUXILIARY SYSTEM (FA, TEL, SECURITY) SHALL PREPARE CONSTRUCTION DRAWINGS SHOWING ALL NECESSARY WIRES AND CABLES AND VERIFY SIZES OF ALL CONDUITS SHOWN. PROVIDE ALL SPARE WIRES BETWEEN DRAWINGS DO NOT SHOW ALL THE NECESSARY J-BOXES AND PULL BOXES WHICH WILL BE REQUIRED THROUGHOUT.

15) IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL THESE BOXES AS NECESSARY TO TERMINATE CONDUITS AND RACEWAYS. PAINT BOXES TO MATCH COLOR OF THE FINISHED SURFACE THAT THE BOXES ARE ATTACHED BUILDINGS.

16) ALL JUNCTION BOXES AND DEVICES INDICATED ON BUILDING EXTERIORS SHALL BE WEATHERPROOF TYPE.

17) FIRE ALARM WIRES SHALL BE COPPER TYPE THWN/THHN.

18) COORDINATION:
A. THE GENERAL CONTRACTOR SHALL COORDINATE LAYOUT DIMENSIONS INDICATED ON ELECTRICAL. ALL DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER BEFORE BID TIME, OR BEFORE PROCEEDING WITH THE WORK.

B. IN THE EVENT THAT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE CONSTRUCTION DOCUMENTS, THEN THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS SIMILAR CONDITIONS THAT ARE SHOWN.

C. THE CONTRACTOR SHALL VERIFY ALL ELECTRICAL, COMMUNICATION AND SECURITY REQUIREMENTS BEFORE CONSTRUCTION BEGINS.

19) ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED ON THE SITE BY GENERAL CONTRACTOR, AND EACH SUB-CONTRACTOR BEFORE THE WORK BEGINS. ERRORS, OMISSIONS AND DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION BEFORE CONSTRUCTION BEGINS.

20) THE ENGINEER HAS PREPARED THESE DOCUMENTS ONLY FOR IMPROVEMENTS SPECIFIED, DETAILED OR SHOWN AS NEW WORK, AND ASSUMES NO RESPONSIBILITY FOR OTHER CONSTRUCTION, MATERIAL OR EQUIPMENT NOTED AS "EXISTING" OR AS "PROVIDED BY OTHERS".

21) JUNCTION BOXES SHALL NOT CONTAIN SPLICES. CONDUCTORS SHALL BE PULLED THROUGH. TERMINATIONS SHALL BE PERFORMED.

FIRE ALARM NOTES

22) LABEL DESCRIPTIONS" INDICATING DEVICE TYPE AND LOCATION THAT ARE DISPLAYED ON THE FIRE ALARM LCD DISPLAY SHOULD BE CLEAR AND EASILY UNDERSTOOD BY THE OFFICE STAFF. DESCRIPTIONS SHOULD BE BASED ON THE STAFFS UNDERSTANDING OF THE SITE AND NOT ON INFORMATION TAKEN FROM PRINTS.

23) IF USE OF WIREMOLD IS DESIRED, CONTRACTOR SHALL OBTAIN A LETTER FROM ARCHITECT AUTHORIZING USE OF WIREMOLD PRIOR TO INSTALLATION.

24) DRAWINGS ARE BASED ON AVAILABLE AS-BUILT PLANS AND FIELD OBSERVATIONS. NOTIFY THE AUTHORIZED OWNER REPRESENTATIVE (AOR) IMMEDIATELY WHEREVER (E) CONDITIONS ENCOUNTERED DEVIATE FROM THESE DRAWINGS AND EXISTING EQUIPMENT MUST BE RELOCATED DUE TO NEW CONSTRUCTION EFFORTS.

25) PROVIDE REQUIRED 2'x2' OPENINGS FOR ALL CEILING IDENTIFIED AS HARD, PLASTER & TILE CEILINGS. TO ACCOMMODATE CONDUIT INSTALLATION TO HEAT DETECTOR IN ATTIC SPACE PATCH AND REPAIR TO MATCH EXISTING CEILING.

26) SMOKE DETECTORS SHALL BE USED AS THE PRIMARY METHOD OF AUTOMATIC FIRE ALARM SYSTEM INITIATION EXCEPT IN AREAS WHERE THE ENVIRONMENT OR AMBIENT CONDITIONS EXCEED SMOKE DETECTION GUIDELINES.

27) HEAT DETECTORS SHALL BE USE IN AREAS WHERE THE ENVIRONMENT OR AMBIENT CONDITIONS EXCEED SMOKE DETECTORS INSTALLATION GUIDELINES. IN ATTIC CEILING AREAS CONTAINING SPRINKLERS, HEAT DETECTORS WILL NOT BE REQUIRED. HEAT DETECTORS WHERE INSTALLED ABOVE SUSPENDED CEILINGS MUST HAVE THEIR LOCATIONS BE CLEARLY MARKED BELOW THE CEILING AND BE EASILY ACCESSIBLE. LABEL LETTERING SHALL BE 3/4" HIGH, RED ON WHITE BACKGROUND AND BOLD ENOUGH TO BE EASILY SEEN BY PERSONNEL FROM THE FLOOR.

28) INITIATING DEVICES SHALL BE INSTALLED IN ALL AREAS WHERE REQUIRED AND SHALL BE ACCESSIBLE FOR PERIODIC MAINTENANCE AND TESTING.

29) PROVIDE GROUND BUSHING ON NEW AND EXISTING PULLBOXES.

30) IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MAINTAIN CONTINUITY OF THE EXISTING FIRE ALARM SYSTEM, CENTRAL STATION REPORTING SYSTEM, SMOKE MANAGEMENT SYSTEM, AND ANY OTHER LIFE SAFETY EQUIPMENT EXISTING AT THE SITE AND AFFECTED BY HIS WORK ON THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIRE WATCH OR OTHER MITIGATING MEASURES FOR SYSTEMS THAT ARE MADE INACTIVE OR OTHERWISE COMPROMISED AS A RESULT OF THE WORK PERFORMED BY THAT CONTRACTOR.

31) IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THE TYPE OF CEILING CONSTRUCTION AND TO PROVIDE THE PROPER TYPE OF BOX MOUNTING AND SUPPORT FOR FIRE ALARM INITIATION DEVICES.

32) ANY DAMAGE CAUSED BY DEMOLITION OPERATIONS TO ADJACENT FACILITIES SHALL BE PROMPTLY REPAIRED AT NO ADDITIONAL COST TO THE OWNER. ALL ITEMS MOVED OR TEMPORARILY DISASSEMBLED SHALL BE REPLACED OR REASSEMBLED TO AT LEAST THE CONDITION IN LIKE QUALITY PRIOR TO REMOVAL OR DISASSEMBLY.

33) CONTRACTOR SHALL NOT DISMANTLE OR REMOVE EXISTING FIRE ALARM SYSTEM DEVICES UNTIL THE NEW FIRE ALARM SYSTEM IS COMPLETELY OPERATIONAL AND THE UNUSED EXISTING SYSTEM DEVICES MUST BE REMOVED TO COMPLETE THE PROJECT. ALL ABANDONED CIRCUITS AND WIRING SHOULD BE REMOVED COMPLETELY RATHER THAN LABELED, THIS WILL ELIMINATE ANY CONFUSION WHEN TROUBLESHOOTING AT A LATER DATE.

34) THE COLOR CODE FOR WIRE INSULATION IN THE LOW VOLTAGE SPECIFICATIONS SHOULD BE FOLLOWED.

35) ALL FIRE STROBES WHERE THREE OR MORE OR FLASHES FROM THREE OR MORE ARE VISIBLE FROM ANY ONE POINT MUST BE SYNCHRONIZED. WIRING AND HARDWARE CONFIGURATION FOR FIRE STROBES IN A COMMON SPACE MUST BE PERFORMED CAREFULLY SINCE FEEDING STROBES FROM DIFFERENT CIRCUITS OF DIFFERENT REMOTE POWER SUPPLIES OR SYNCHRONIZATION MODULES MAY CAUSE A CONDITION WHERE WITHIN THE SAME SPACE SYNCHRONIZATION TIMING. THE TRIGGER CIRCUIT FOR AUDIBLE SIGNALS SHOULD BE FROM FACP TO INSURE SYNCHRONIZATION. ALL AUDIBLE SIGNALS MUST BE SYNCHRONIZED WITHIN THE SAME NOTIFICATION ZONE.

36) SEAL ALL SPACE AROUND CONDUIT PENETRATION THROUGH FIRE RATED WALL WITH A UL LISTED FIRE BARRIER COMPOUND "3M" CAULKING OR EQUAL.

FIRE ALARM SCOPE OF WORK:

1) REUSE EXISTING FIRE ALARM SYSTEM.ADD NEW DEVICES AS SHOWN ON PLANS. REPROGRAM EXISTING MFACP. (A#103916)
2)TEMPORARY TOILET BUILDING EXEMPT FROM EV/ACS REQUIREMENTS PER DSA IR 9-1 / 2.3.1

FIRE ALARM SIGNAL CIRCUIT SCHEDULE

CKT. NO.	WALL QUAN. STROBE 15 cd 0.066	WALL QUAN. STROBE 30 cd 0.094	WALL QUAN. STROBE 75 cd 0.158	WALL QUAN. STROBE 110 cd 0.202	CEIL. QUAN. STROBE 15 cd 0.065	CEIL. QUAN. STROBE 30 cd 0.105	CEIL. QUAN. STROBE 75 cd 0.189	CEIL. QUAN. STROBE 115 cd 0.201	TOTAL AMPS	WIRE SIZE	DISTANCE (IN FEET)	TO FACP	TO POWER EXTENDER	PERCENT VOLTAGE DROP
V17	1	3		1					0.55	#12	520	FACP-A1		3.94
V18		2	2						0.50	#12	560	FACP-A1		3.89
V19	10	1	2						1.07	#12	445	FACP-A1		6.56

SPEAKER CIRCUIT LOAD CALCULATION #1 — MFG. REC. MAXIMUM LOSS IS 0.5dB

SPEAKER CIRCUIT DESCRIPTION			PANEL CIRCUIT NUMBER	WIRE GAUGE (18, 16, 14 12)	CIRCUIT VOLTAGE (25 OR 70 VRMS)	APPLIANCES QUANTITIES / TAP VALUES				TOTAL CIRCUIT LOAD (WATTS)	ESTIMATED CIRCUIT LENGTH (FEET)	ACTUAL WIRE/LOSS (dB)	MAXIMUM ALLOWABLE CKT. LENGTH (FEET)	TOTAL CIRCUIT RESISTANCE (OHMS)
AMPLIFIER#	AMPLIFIER LOCATION	CIRCUIT LOCATION				SPEAKER TAPPED AT 0.25 Watts	SPEAKER TAPPED AT 0.5 Watts	SPEAKER TAPPED AT 1 Watt	SPEAKER TAPPED AT 2 Watts					
MFACP	BUILDING-A	BUILDING B	A12	14 AWG	70 Vrms	0	7	0	1	5.50 Watts	445 ft.	-0.02 dB	71.003 ft.	2.3 Ohms
					Appliance Summary	0	7	0	1	Total Load (Watts) 5.50				

AGENCY

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DATE: 09/18/2025

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PASADENA UNIFIED SCHOOL DISTRICT

MARSHALL FUNDEMENTAL SCHOOL
TEMPORARY TOILET BUILDING

990 ALLEN AVE, PASADENA, CA 91104

Drawing Title

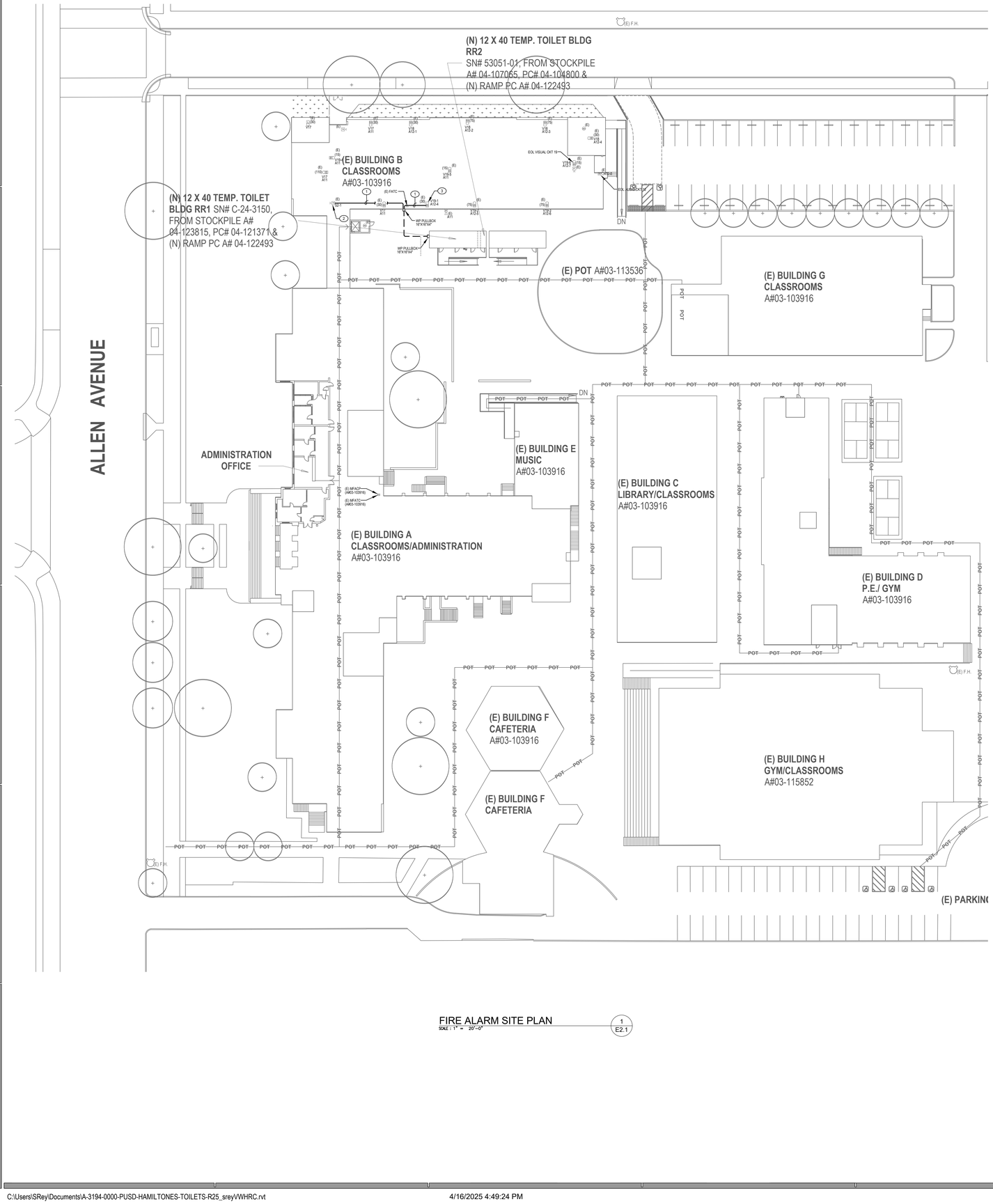
SYMBOL LIST, NOTES, CODES & DETAILS

Job No. ----.0000

Date 07/31/2025

Sheet No. FA1.0

NOT FOR CONSTRUCTION



FIRE ALARM SITE PLAN
SCALE : 1" = 20'-0"

1
E2.1

GENERAL NOTES

1. ALL ITEMS ARE NEW UNLESS OTHERWISE NOTED.
2. ALL CONDUITS INSIDE THE BUILDING SHALL BE CONCEALED IN ATTAIC SPACE UNLESS OTHERWISE NOTED.
3. CONDUITS RUNS ARE DIAGRAMMATIC. PROVIDE PULLBOX(ES) TO COMPLY WITH NEC.
4. ALL CONDUIT RUNS ON EXTERIOR OF BUILDINGS SHALL BE EQUIPPED WITH SEISMIC APPROVED HARDWARE. PAINT TO MATCH EXISTING SURFACE.

KEYED NOTES

(1) RUN CONDUIT THROUGH CRAWL SPACE UNDERNEATH THE BUILDING. PROVIDE MOUNTING SUPPORT AS REQUIRED.

(2) INTERCEPT EXISTING SLC LOOP AND EXTEND TO TEMPORARY MODULAR TOILET AS INDICATED.

(3) INTERCEPT EXISTING SIGNALING CIRCUITS AND EXTEND TO TEMPORARY MODULAR TOILET AS INDICATED.

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PASADENA UNIFIED SCHOOL DISTRICT

MARSHALL FUNDEMENTAL SCHOOL TEMPORARY TOILET BUILDING

990 ALLEN AVE, PASADENA, CA 91104

Drawing Title

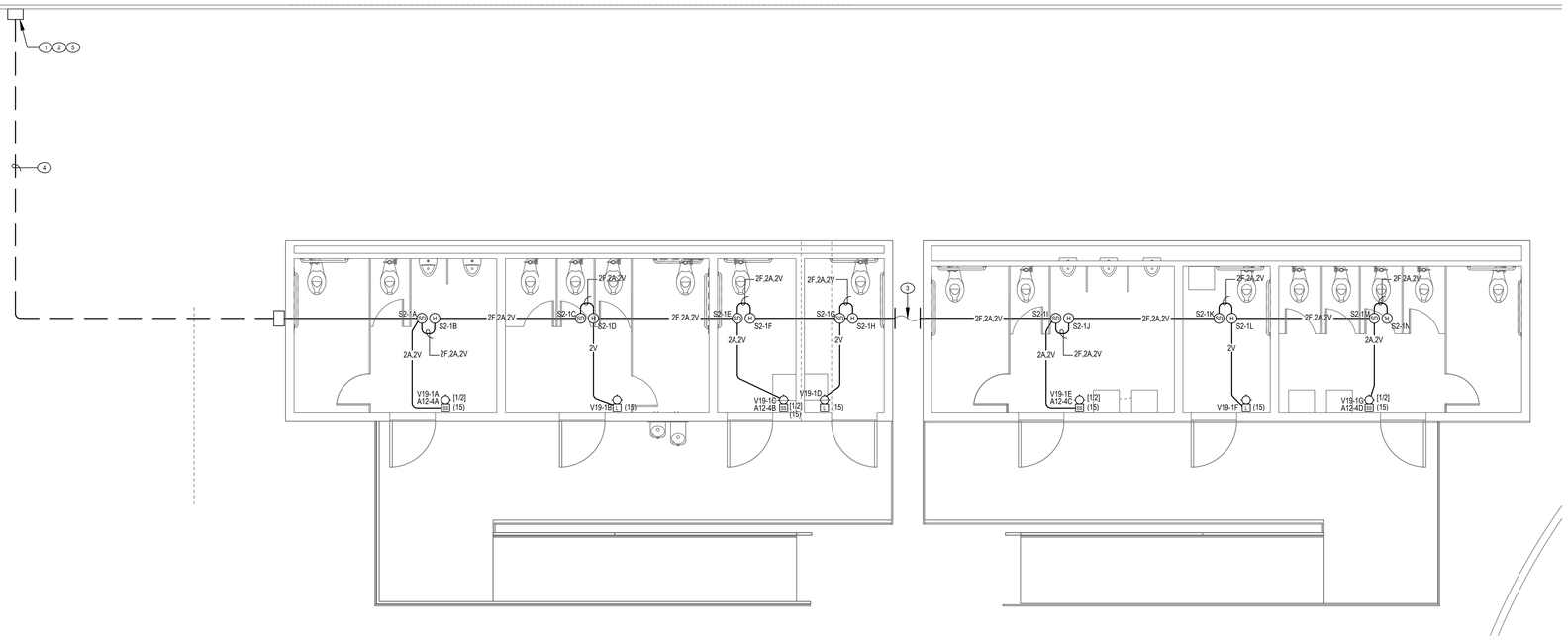
FRIE ALARM
SITE PLAN

Job No. ----.0000

Date 07/31/2025

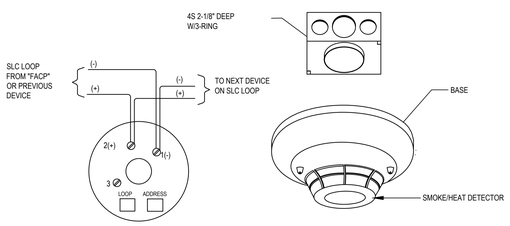
Sheet No. FA2.1

NOT FOR CONSTRUCTION



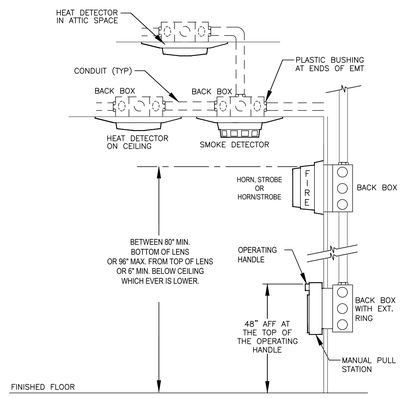
ENLARGED FIRE ALARM PLAN
SCALE : 1" = 20'-0"

1
E3.1



1
FA2

SMOKE/HEAT DETECTORS DETAIL WIRING
N.T.S.



1
FA2

PULL STATION, HORN & STROBE
HEIGHT REQUIREMENTS
N.T.S.

GENERAL NOTES

1. ALL ITEMS ARE NEW UNLESS OTHERWISE NOTED.
2. ALL ELECTRICAL IS DESIGN BUILD BY GC. CONTRACTOR RESPONSIBLE FOR OBTAINING ALL ELECTRICAL PERMITS.
3. G.C. TO VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT OF DISCREPANCIES.
4. VERIFY MOUNTING REQUIREMENTS OF ELECTRICAL EQUIPMENT.

KEYED NOTES

1. INTERCEPT EXISTING SLC LOOP IN BUILDING B AND EXTEND TO TEMPORARY MODULAR TOILET AS INDICATED. SEE FA2.1.
2. INTERCEPT EXISTING SIGNALING CIRCUITS IN BUILDING B AND EXTEND TO TEMPORARY MODULAR TOILET AS INDICATED. SEE FA2.1.
3. PROVIDE 1 1/4" FLEX CONDUIT FOR FIRE ALARM CABLES BETWEEN TEMPORARY MODULAR TOILETS SEE DETAIL 1/FA1.0.
4. 2"C. -2FW, 2AW, 2VW
5. 16"X16"X4" WP PULLBOX

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PASADENA UNIFIED SCHOOL DISTRICT

MARSHALL FUNDEMENTAL SCHOOL TEMPORARY TOILET BUILDING

990 ALLEN AVE, PASADENA, CA 91104

Drawing Title

ENLARGED
FIRE ALARM
PLAN

Job No. ----.0000

Sheet No. FA3.1

Date 07/31/2025

NOT FOR CONSTRUCTION

Sheet List

Sheet Number	Sheet Name
Cover	
A0.0	COVER SHEET
~~A0.0.1~~	~~PROJECT OPTIONS SCHEDULE~~
A0.1	TYPICAL KEY PLAN AND SCHEDULES, GEN NOTES
A0.2	SIGNAGE AND SYMBOLS
~~A0.3~~	DSA-103 FORM
A0.4	~~DSA-103 FORM~~
A0.5	CALGREEN SPEC'S
A0.6	CAL GREEN CHECKLIST
A0.7	CAL GREEN CHECKLIST
A0.8	CAL GREEN CHECKLIST
Architectural	
~~A1.0~~	~~12x40 OPTION 1 A/B/C FLOOR PLAN~~
~~A1.1~~	~~12x40 OPTION 2 A/B FLOOR PLAN~~
A1.2	12x40 OPTION 3 A/B FLOOR PLAN
~~A1.3~~	~~12x40 WORK ROOM FLOOR PLAN~~
~~A2.1(A)~~	~~ARCHITECTURAL DETAILS (WOOD FRAMING SHTG FINISH)~~
~~A2.1(B)~~	~~ARCHITECTURAL WUI DETAILS (WOOD FRAMING SHTG FINISH)~~
~~A2.2~~	~~ARCHITECTURAL DETAILS (WOOD FRAMING PLASTER FINISH)~~
~~A2.5(A)~~	~~ARCHITECTURAL DETAILS (1-HR WOOD FRAMING SHTG FINISH)~~
~~A2.5(B)~~	~~ARCHITECTURAL WUI DETAILS (1-HR WOOD FRAMING SHTG FINISH)~~
~~A2.6~~	~~ARCHITECTURAL DETAILS (1-HR WOOD FRAMING PLASTER FINISH)~~
A2.9	ARCHITECTURAL DETAILS (FLOOR)
~~A2.9.1~~	~~DETERIORATION PROT NON-WOOD FINISH SIDING CONC FLOOR - WD STUDS~~
~~A2.9.2~~	~~DETERIORATION PRO. STUCCO EXTERIOR FINISH CONC FLOOR-WD STUDS~~
~~A2.9.3~~	~~DETERIORATION PRO. NON-WOOD FINISH SIDING WOOD FLOOR - WD STUDS~~
~~A2.9.4~~	~~DETERIORATION PRO. STUCCO EXTERIOR FINISH WOOD FLR -WD STUDS~~
~~A2.9.9~~	~~DETERIORATION T1-11 EXTERIOR FINISH WOOD FLR -WOOD STUDS~~
~~A3.0~~	~~ADDITIONAL FIRE RATING DETAILS AND~~ NOTES
~~A3.0.1~~	~~FIRE SEPARATION & PENETRATION DETA~~ILS
A3.1	ACCESSIBILITY AND MOUNTING HEIGHT DETAILS
~~A3.1.1~~	~~SINGLE OCC. BATHROOM MOUNTING HE~~IGHTS
~~A3.1.2~~	~~SINGLE OCC. BATHROOM COMBINED AGE GROUP~~
~~A3.2~~	~~RCP OPTION 1 (A) (B) (C)~~
A3.2.1	RCP OPTION 2 (A) (B)
~~A3.2.2~~	~~RCP OPTION 3 (A) (B)~~
~~A3.2.3~~	~~RCP WORK ROOM~~
~~A3.2.4~~	~~CEILING NOTES~~
~~A3.3~~	~~CEILING DETAILS (T-GRID)~~
~~A3.4~~	~~CEILING DETAILS (GYP BOARD)~~
~~A4.0~~	~~ROOF PLAN MONO AND DUAL SLOPE~~
~~A4.1~~	~~ROOF DETAILS (STANDING SEAM)~~
~~A4.2~~	~~ROOF DETAILS (EPDM)~~
~~A4.3~~	~~ARCHITECTURAL DETAILS (PARAPET)~~
A5.0	EXTERIOR ELEVATIONS
~~A5.1~~	~~INTERIOR~~ ELEVATIONS
A6.0	ARCHITECTURAL ~~SECTIONS~~
~~A7.0~~	~~ADDITIONAL OPTION DETAILS~~
~~A7.1~~	~~ADDITIONAL OPTION DETAILS~~
A7.2	ADDITIONAL OPTION DETAILS
MEP	
~~E0.1~~	ELECTRICAL SCHEDULES 12x40
E1.0	12x40 ELECTRICAL PLAN OPTION 1 (A) (B) (C)
E1.2	12x40 ELECTRICAL PLAN OPTION 2 (A) (B)
E1.3	12x40 ELECTRICAL PLAN OPTION 3 (A) (B)
~~E1.4~~	~~12x40 ELECTRICAL PLAN WORK ROOM~~
M0.1	MISCELLANEOUS NOTES & DETAILS
M1.0	MECHANICAL ROOF MOUNT 12x40
M4.0	T24 - Z16 WALL UNIT
M4.1	T24 - Z16 WALL UNIT
P1.0	12x40 SUPPLY & ISO OPTION 1 (A) (B) (C)
P1.2	12x40 SUPPLY & ISO OPTION 2 (A) (B)
P1.3	12x40 SUPPLY & ISO OPTION 3 (A) (B)
P2.1	12x40 WASTE & ISO OPTION 1 (A) (B) (C)
P2.2	12x40 WASTE & ISO OPTION 2 (A) (B)
P2.3	12x40 WASTE & ISO OPTION 3 (A) (B)
~~P3.0~~	~~12x40 FLOOR MTD OPTION 1 (A) (B) (C)~~
~~P3.1~~	~~12x40 FLOOR MTD OPTION 2 (A) (B)~~
~~P3.2~~	~~12x40 FLOOR MTD OPTION 3 (A) (B)~~
Foundation	
F1.10	WOOD FOUNDATION PLAN
~~F2.10~~	~~CONCRETE FOUNDATION PLAN~~
~~F2.20~~	~~CONCRETE FOUNDATION DETAILS~~
~~F2.23~~	~~CONCRETE FOUNDATION DETAILS~~
Structural	
S0.1	STRUCTURAL GEN NOTES
S1.0.1	WOOD SHEATHING FLOOR FRAMING PLAN
S1.0.4	WD SHTH'G FLR FRAMING PLAN CROSS-STRAP OPT.
~~S1.1.1~~	~~CONC. FLOOR FRAMING PLAN~~
S1.2	STRUCTURAL DETAILS (FLOOR)
S3.0	ROOF FRAMING PLAN
~~S3.0.1~~	~~ROOF CHARD DETAILS~~
S3.0.3	MONO/DUAL SLOPE ROOF FRM'G PLAN CROSS-STRAP OPT.
S3.1	STRUCTURAL DETAILS (ROOF)
~~S3.2~~	~~ROOF DETAILS (SOFFIT/PARAPET) & AWNING DETAILS~~
S3.3	ROOF PERIMETER TRUSS
S4.1	WD WALL FRAMING ELEVATIONS
S4.2	WALL DETAILS (WOOD FRAMING)
S4.4	TYP FRAMING
S4.5	FRAMING SCHEDULES
~~S5.0~~	~~LONG. SECTION - (MONO)~~
S5.1	LONG SECTION - (DUAL)
S6.0	AWNING FRAMING
SR0	MODULE PLAN AND NOTES
SR1	RAMP / LANDING
SR2	LANDING FRAME
SR3	FOUNDATION PLAN
SR4	RAMP ELEVATION
SR5	RAMP DETAILS
SR6	RAMP DETAILS
~~SR7~~	~~STAIR CONN~~

Grand total: 84

ALT-1.0	FLOOR PLAN 12'x40' B/G/S/S HVAC
ALT-1.1	FLOOR PLAN 12'x40' B/G HVAC
ALT-1.2	FLOOR PLAN 12'x40' B/G/S
ALT-2.0	REFLECTIVE CEILING PLAN 12'x40' B/G/S/S HVAC
ALT-2.1	REFLECTIVE CEILING PLAN 12'x40' B/G HVAC
ALT-3.0	MECHANICAL PLAN B/G/S/S HVAC
ALT-3.1	MECHANICAL PLAN B/G HVAC
ALT-4.0	ELECTRICAL PLAN B/G/S/S HVAC
ALT-4.1	ELECTRICAL PLAN B/G HVAC
ALT-5.0	PLUMBING PLAN B/G/S/S HVAC
ALT-5.1	PLUMBING PLAN B/G HVAC
ALT-6.0	ROOF PLAN AND FIRE ALARM PLAN 12'x40' B/G/S/S HVAC
ALT-6.1	ROOF PLAN AND FIRE ALARM PLAN 12'x40' B/G HVAC
ALT-7.0	ELEVATIONS EXTERIOR/INTERIOR B/G/S/S HVAC
ALT-7.1	ELEVATIONS EXTERIOR/INTERIOR B/G HVAC
ALT-D1	SCHEDULES AND DETAILS

STOCKPILE #354

(1)12'x40; B/G/S/S HVAC C-24-3148

(1)12'x40' B/G HVAC C-24-3143

(4) 12'x40' B/G/S C-24-3144 C-24-3145 C-24-3146 C-24-3147

(4)12'x40; B/G/S/S C-24-3149 C-24-3150 C-24-3151 C-24-3152

NOTES:
ACCEPTANCE TESTS BE COMPLETED ON NEWLY INSTALLED OR REPLACEMENT OF LIGHTING CONTROLS,MECHANICAL SYSTEMS, FENESTRATION AND PROCCESS EQUIPMENT BEFORE PROJECT COMPLETION PER THE CALIFORNIA ENERGY CODE SECTION 10-103. ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED ACCEPTANCE TEST TECHNICIAN (ATT). THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES CORRECTED UNTIL THE INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. COMPLETED NRCA FORMS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR AND DISTRICT

UPON SITE PLAN OR ISTE CONSTRUCTION , THE OPERATION AND MAINTENANCE DOCUMENTATION FOR ALL MECHANICAL AND LIGHTING SYSTEMS AND CONTROLS SHALL BE PROVIDED BY THE MODULAR BUILDING MANUFACTURER, OR THE GENERAL CONTRACTOR FOR THE PERMANENT MODULAR RELOCATABLE BUILDING AND DELIVERED TO THE OWNER

WIND -SITE SPECIFIC PARAMETERS

V= 95 mph < 110mph
KZT= 1 ≤1.0
Exposure: [X] C [ ] D

SEISMIC -SITE SPECIFIC PARAMETERS

Select One

[X] Design based on Site Class $D_{default}$
No geotechnical investigation required
Ss = 2.036 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 specific 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

S_{DS} = 2/3 Fa Ss = 2.036
Site Class C or D:D S_{DS} = ____ = ____ ≤ 1.867
Site Class E:N/A S_{DS} =1.62 ≤ 1.867
C_S = 0.693 (MF) Cs =0.373(SW) used in design
Seismic Design Category: [ ] D [X] E

PC # 04-121371

12' x 40' - SW/MF

(HIGH SEISMIC)

@	AT	FIXT	FIXTURE	PAR	PARALLEL
AB	ANCHOR BOLT	FJT	FLUSH JOINT	PBD	PARTICLE BOARD
ABC	AGGREGATE BASE COURSE	FLR	FLOOR	PCC	PRECAST CONCRETE
ABV	ABOVE	FLUR	FLUORESCENT	PCF	POUNDS PER CUBIC FOOT
AD	AREA DRAIN	FLEX	FLEXIBLE	PCS	PIECES
ADD	ADDENDUM	FND	FOUNDATION	PERF	PERFORATE (D)
ADH	ADHESIVE	FO*	FACE OF _____	PERI	PERIMETER
ADJ	ADJACENT, ADJUSTABLE	FP	FIREPROOF (ED)	PFB	PREFABRICATE (D)
ADOH	ALTERNATE DIRECTION OF HOOK	FPG	FIREPROOFING	PFS	POUNDS PER SQUARE FOOT
		FR	FRAME (D)(ING)	PL	PLATE
AFF	ABOVE FINISHED FLOOR	FRC	FIRE RESISTANT COATING	PLBG	PLUMBING
AGG	AGGREGATE	FRGD	FORGED	PLF	POUNDS PER LINEAR FOOT
ALT	ALTERNATE	FRMG	FRAMING	P.L.	PARALLAM
ALUM	ALUMINUM	FT	FOOT, FEET	PLWD	PLYWOOD
ANCH	ANCHOR (AGE)	FTG	FOOTING	PMT	PAVEMENT
ANOD	ANODIZED	FURR	FURRED, FURRING	PNL	PANEL
APPRX	APPROXIMATE	FV	FIELD VERIFY	POSTEN	POST TENSION (D)
ARCH	ARCHITECT (URAL)			PRETEN	PRETENSIONED
ASPH	ASPHALT	GA	GAUGE	POLY	POLYETHYLENE
AUTO	AUTOMATIC	GALV	GALVANIZED	PR	PAIR
		GC	GENERAL CONTRACTOR	PRJ	PROJECT
B	BOTTOM	GI	GALVANIZED IRON	PSC	PRESTRESSED CONCRETE
BB	BOND BEAM	GKT	GASKET	PSF	POUNDS PER SQUARE FOOT
BC	BOTTOM CHORD	GL	GLASS, GLAZING	PSI	POUNDS PER SQUARE INCH
BD	BOARD	GLM	GLULAM	PT	POINT
BEG	BEGIN (ING)	GP	GALVANIZED PIPE	P.T.	PRESSURE TREATED
BEL	BELOW	GPM	GALLONS PER MINUTE	PTC	POST-TENSIONED CONCRETE
BIT	BITUMINOUS	GPPL	GYPSUM PLASTER	PTD	PAINTED
BJT	BED JOINT	GRVL	GRAVEL, GRANULAR	PVC	POLYVINYL CHLORIDE
BLDG	BUILDING	GRD	GRADE, GRADING	PVMT	PAVEMENT
BLK	BLOCK (G, ING)	GRN	GRANITE		
BLW	BELOW	GSS	GALVANIZED SHEET STEEL	QTY	QUANTITY
BM	BEAM	GT	GROUT	R	RADIUS, RISER
BMK	BENCH MARK	GVL	GRAVEL	RAD	RADIUS
BO*	BOTTOM OF _____	GWB	GYPSUM WALLBOARD	RD	ROOF DRAIN
BPL	BEARING PLATE	GYP	GYPSUM	RECT	RETANGULAR
BRD	BOARD			REF	REFERENCE, REFER TO
BRDG	BREDGING	H	HIGH	REINF	REFORCE (D) (ING)
BRG	BEARING	HBD	HARDBOARD	REM	REMOVE
BRK	BRICK	HC	HOLLOW CORE	REQD	REQUIRED
BRZ	BRONZE	HD	HEAVY DUTY	REQS	REQUIREMENTS
BS	BOTH SIDES	HDNR	HARDENER	RETG	RETAINING
BTWN	BETWEEN	HDR	HEADER	REV	REVISION, REVISED
BVL	BEVELED	HDWR	HARDWARE	RFG	ROOFING
BW	BOTH WAYS	HDWD	HARDWOOD	RFH	ROOF HATCH
		HES	HIGH EARLY STRENGTH CEMENT	RFL	REFLECT (ED)(IVE)(OR)
C	CHANNEL, COMPRESSION	HH	HANDHOLE	RM	ROOM
CAD	CADMIUM	HJT	HEADJOINT	RO	ROUGH OPENING
CAM	CAMBER	HK	HOOK	RT	FIRE RETARDANT TREATED
C/C	CENTER TO CENTER	HM	HOLLOW METAL		
CEM	CEMENT	HORIZ	HORIZONTAL	RTG	RATING
CF	CUBIC FOOT	HPT	HIGH POINT	RVS	REVERSE SIDE
CHAM	CHAMFER	HR	HOUR	RVT	RIVET
CI	CAST IRON	HSA	HEADED STUD ANCHOR		
CIP	CAST-IN-PLACE	HSB	HIGH STRENGHT BOLT	S	SOUTH
CIR	CIRCLE	HT	HEIGHT	SC	SOLID CORE
CIRC	CIRCUMFERENCE	HWD	HARDWOOD	SCHED	SCHEDULE
CJ	CONSTRUCTION JOINT			SDL	SUPERIMPOSED DEAD LOAD
CJT	CONTROL JOINT			SDS	SELF DRILL SCREW
CLG	CEILING	ID	INSIDE DIAMETER	SE	STRUCTURAL ENGINEER
CLK	CAULK, (G, ING)	IN	INCHE (ES)	SDST	SELF-DRILL, SELF-TAPPING SCREW
CLKG	CAULKING	INCL	INCLUDE (D), INCLUDING	SECT	SECTION
CLR	CLEAR	INSUL	INSULATE, INSULATION	SF	SQUARE FOOT, SQUARE FEET
CLS	CLOSURE	INT	INTERIOR	SHO	SHORE, SHORING
CM	CENTIMETER	INTM	INTERMEDIATE	SHT	SHEET
CMP	CORRUDATED METAL PIPE	INV	INVERT	SHTH	SHEATHING
CMU	CONCRETE MASONRY UNIT			SI	SQUARE INCH
CNTR	CENTER	JST	JOIST	SIM	SIMILAR
COL	COLUMN	JT	JOINT	SL	SLOPE
COG	CENTER OF GRAVITY			SLNT	SEALANT
COMB	COMBINATION	K	KIP (S)	SMS	SHEET METAL SCREW
COMP	COMPRESS (ED)(ION)(IBLE)	KO	KNOCKOUT	SOG	SLAB ON GRADE
COMPOS	COMPOSITE	KSI	KIPS PER SQUARE INCH	SPA	SPACE, (ING)
CONN	CONNECT (ION)			SPC	SPACER
CONC	CONCRETE	L	LONG, LENGTH	SPEC	SPECIFICATION (S)
CONST	CONSTRUCT (ION) (ED)	LAM	LAMINATE (D)	SQ	SQUARE
CONT	CONTINUE, CONTINUOUS	LB	POUND, LAG BOLT	SSTL	STAINLESS STEEL
CONTR	CONTRACTOR	LBL	LABEL	STG	STAGGERED
COR	CORRUGATED	LC	LIGHT CONTROL	STD	STANDARD
CP	COMPLETE PENETRATION	LD	DEVELOPMENT LENGHT	STL	STEEL
CPG	COPING	LF	LINEAR FOOT	STOR	STORAGE
CPR	COPPER	LH	LEFT HAND	STRUCT	STRUCTURE
		LL	LIVE LOAD	STR	STRUCTURAL
CRS	COURSE (S)	LLH	LONG LEG HORIZONTAL	SYM	SYMETRICAL, SYMETRY
CS	COUNTERSINK	LLV	LONG LEG VERTICAL	SYS	SYSTEM
CTSK	COUNTERSUNK SCREW	LPT	LOW POINT		
CU	CUBIC	LT	LIGHT	T	TOP, TORSION, TREAD
CX	CONNECTION	LTL	LINTEL	T&B	TOP AND BOTTOM
CY	CUBIC YARD	LVL	LEVEL (ING)	T&G	TONGUE AND GROOVE
		LW	LIGHT WEIGHT	TC	TOP CHORD
D	DEEP, DEPTH	LWC	LIGHT WEIGHT CONCRETE	TEN	TESION, TENSILE
DBL	DOUBLE	LWF	LIGHT WEIGHT FILL	TEMP	TEMPORARY, TEMPERATURE
DEF	DEFLECTION			THD	THREAD (ED)
DEG	DEGREE	M	METER (S) MOMENT	THK	THICK (NESS)
DEMO	DEMOLISH, DEMOLITION	MATL	MATERIAL	TMPD	TEMPERED
DEP	DEPRESSED	MAS	MASONRY	TO*	TOP OF _____
DEPT	DEPARTMENT	MAX	MAXIMUM	TL	TOTAL LOAD
DET	DETAIL	MB	MACHINE BOLT	TR	TREAD
DIAG	DIAGONAL	MBR	MEMBER	TS	TUBE STEEL
DIA	DIAMETER	MCONN	MOMENT CONNECTION	TYP	TYPICAL
DIM	DIMENSION (ED)	MECH	MECHANICAL		
DIV	DIVISION	MED	MEDIUM		
DL	DEAD LOAD	MET	METAL	UC	UNDERCUT
DN	DOWN	MEMB	MEMBER	UGD	UNDERGROUND
DO	DITTO	MEP	MECHANICAL, ELECTRICAL, & PLUMBING	UL	UNDERWRITERS LABORATORY
DP	DAMPROOFING			UND	UNDER
DWL	DOWEL (ED)	MFD	METAL FLOOR DECKING	UNF	UNFINISHED
DWG	DRAWING, (S)	MFR	MANUFACTURE (R) (ED)	UNO	UNLESS NOTED OTHERWISE
		MID	MID, MIDDLE		
E	EAST,	MIN	MINIMUM, MINUTE	V	SHEAR FORCE, VELOCITY
	MODULUS OF ELASTICITY	MISC	MISCELLANEOUS	VB	VAPOR BARRIER
EA	EACH	MM	MILLIMETER (S)	VER	VERIFY
EB	EXPANSION BOLT	MMB	MEMBRANE	VERT	VERTICAL
EF	EACH FACE	MO	MASONRY OPENING	VG	VERTICAL GRAIN
EJT	EXPANSION JOINT	MOD	MODEL	VIF	VERIFY IN FIELD
EL	ELEVATION	MODU	MODULAR	VJ	V-JOINTED
ELEC	ELECTRIC (AL)	MOV	MOVABLE	VNR	VENEER
ENCL	ENCLOSURE, ENCLOSED	MTL	MATERIAL	V.T.R.	VENT THROUGH ROOF
ENG	ENGINEER				
EQ	EQUAL, EQUALIBRIUM	N	NORTH, NEW	W	WEST, WIDTH, WIDE,
EQUIP	EQUIPMENT	NAT	NATURAL		WIDE FLANGE
ESTM	ESTIMATE (ED)	NL	NAILABLE	W/	WITH
EV	EXPANSION BOLT	NMT	NONMETALLIC	W/O	WITHOUT
EW	EACH WAY	NO	NUMBER	WD	WOOD
EXCA	EXCAVATE (D) (ION)	NOM	NOMINAL	WI	WROUGHT IRON
	(E), EXIST EXISTING	NTS	NOT TO SCALE	WM	WIRE MESH
EXMP	EXPANDED METAL PLATE			WP	WATERPROOFING
EXP	EXPOSED	OA	OVERALL	WPR	WATER REPELLENT
EXPN	EXPANSION	o.c.	ON CENTER	WPT	WORKING POINT
EXS	EXTRA STRONG	OD	OUTSIDE DIAMETER	WS	WATER STOP
EXT	EXTERIOR, EXTERNAL	OH	OVERHEAD	WT	WEIGHT
		OHMS	OVALHEAD MACHINE SCREW	WTW	WALL TO WALL (W/W)
FAS	FASTENER	OHWS	OVALHEAD WOOD SCREW	WWF	WELDED WIRE FABRIC
FBO	FURNISHED BY OTHERS	OJ	OPEN-WEB JOINT (S)	WWM	WELDED WIRE MESH
FD	FLOOR DRAIN	OPH	OPPOSITE HAND		
FHMS	FLATHEAD MACHINE SCREW	OPNG	OPENING		
FHS	FIRE HOSE STATION	OPP	OPPOSITE		
FHWS	FLATHEAD WOOD SCREW	OFOI	OWNER FURNISHED/OWNER INSTALLED		
FIN	FINISH (ED)				

9 *1" = 1'-0"* ***ABBREVIATIONS***

SCOPE OF WORK

TOILET BUILDING (RELOCATABLE, 12'x40')

BUILDING DESIGN

NUMBER OF STORIES:	1
OCCUPANCY:	"E"
MAX ALLOWABLE AREA FOR "E":	9,500sf
CONSTRUCTION TYPE:	VB
FLOOR LIVE LOAD:	☒50+15 PSF PARTITION ☐ 100 PSF ☐ 150 PSF
FLOOR DEAD LOAD:	☐ WOOD FLOOR - 11 PSF ☐ CONC. FLOOR - 33 PSF
ROOF LIVE LOAD:	20 PSF
ROOF SNOW LOAD:	20 PSF
ROOF DEAD LOAD:	18.5 PSF (INCLUDES SPRINKLERS & 3PSF SOLAR PANEL)

Roof loads include both with and without overhang options

RAMP/LIVE LOAD: 100PSF

FLOOD DESIGN: This PC has not been designed to accommodate flood loads. If located in a zone other than X, a letter stamped and signed from a soils engineer is needed to validate the allowable soil values assumed in this PC are still applicable.

Per PR 14-01:
2.2 Projects Not Located in a Floodplain.
For projects not located in a floodplain, provide supporting flood hazard map, or verification from the local authority having jurisdiction in which the project resides, that the project is not in a floodplain. Additional documentation requirements are presented in the 2016 and 2013 CBC Section 1603A.1.7 (1603.1.7*).

BUILDING AREA	NO OVERHANG	WITH OVERHANG
ALLOWABLE AREA	☐ 12x40 480sf	☐ 12x40 570sf
=9,500 sf		

*Geo-hazard site specific report must be provided and approved by CGS for building area more than 4000 sf

ALLOWABLE SOIL PRESSURE: ☐ WOOD FTG -1000PSF ☐ CONCRETE FTG 1500PSF

FOUNDATION: ☐ WOOD (CONDITIONAL) ☐ CONCRETE ABOVE GRADE ☐ CONCRETE BELOW GRADE < 2160SF (CONDITIONAL) ☐ CONCRETE BELOW (AMM*)

PC IS DESIGNED BASED ON A PINNED CONNECTION TO THE FOUNDATION.

CEC CLIMATE ZONE: 1-16
☐ CZ 1-2 RIGID R-10 / 2" ☐ CZ 3-15 RIGID R-5 / 1" ☐ CZ 16 RIGID R-15 / 4"

WIND DESIGN

ULTIMATE DESIGN SPEED: Vult = 110 mph, 3 sec GUST, Kzt = 1.0
RISK CATEGORY: II
EXPOSURE: C

EARTHQUAKE DESIGN

RISK CATEGORY: II
SEISMIC IMPORTANCE FACTOR: I = 1
REDUNDANCY FACTOR FOR SEISMIC
DESIGN CAT. E PER SECT. 12.3.4: ρ = 1.3
MAPPED SPECTRAL RESPONSE: SS = 2.33(2.8**)
S1 = 1.99*
D-EFAULT*
SITE CLASS: E
SEISMIC DESIGN CATEGORY:
NOTE: FOR SDC (E) SITE SPECIFIC MOTION ANALYSIS IS NOT REQUIRED IF NOT IN A SEISMIC HAZARD ZONE AND/OR MEETS OTHER EXEMPTION IN DSA IR A-4
*Site Specific Ground Motion Analysis is not required because the value of SM1 is increased by 50% in accordance with exception of item #1 of section 11.4.8 per supplement 3 of ASCE 7-16
**Geo-Hazard report with verification of site Class D must be provided and approved by CGS for site specific ARES with Ss>2.33

SHORT/LONG PERIOD SITE COEFFICIENT: Fa = 1.2(1.0**), Fv=1.7
DEISIGN SPECTRAL RESPONSE: Sds = 1.867
Sd1 = 2.26

SEISMIC RESPONSE COEFFICIENT: Cs: 0.69 (MF), 0.37 (SW)
RESPONSE MODIFICATION FACTOR, R: 3.5 (Steel Ordinary Moment Frame SIDE WALLS), 6.5 (Light-framed (wood) walls sheathed with wood structural panel rated for shear resistance END WALLS)
BASIC SEISMIC FORCE-RESISTING SYS: OMF LONGITUDINAL DIRECTION, SHEARWALL TRANSVERSE DIRECTION, R = 3.5 SW, R = 6.5
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

5 *12" = 1'-0"* ***DESIGN LOADS***

PARTIAL LIST OF APPLICABLE CODES AS OF January 1, 2023

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, Part 6, Title 24 CCR

2022 California Fire Code (CFC), Part 9, Title 24 CCR

2022 California Existing Building Code (CEBC), Part 10, Title 24 CCR

2022 California Green Building Standards Code (CALGreen), Part 11, Title 24 CCR

2022 California Referenced Standards Code, Part 12, Title 24 CCR

Title 19 CCR, Public Safety, State Fire Marshal Regulations

APPLICABLE STANDARDS

For a list of applicable standards, including California amendments to the NFPA Standards, refer to CBC Chapter 35 and CFC Chapter 80.

REQUIRED PV SYSTEM SIZE (kW)

CLIMATE ZONE	BUILDING SIZE APPROXIMATE CONDITIONED FLOOR AREA 24'x40' 960	36'x40' 1440	48'x40' 1920	60'x40' 2400	72'x40' 2880	84'x40' 3360	96'x40' 3840	108'x40' 4320	120'x40' 4800
1	NONE	NONE	NONE	NONE	4.3	4.9	5.5	6.1	
2	NONE	NONE	NONE	NONE	4.3	4.9	5.5	6.1	7.8
3	NONE	NONE	NONE	NONE	4.3	4.9	5.5	6.1	
4	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
5	NONE	NONE	NONE	NONE	4.3	4.9	5.5	6.1	
6	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
7	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
8	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
10	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
11	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
12	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
13	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
14	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
15	NONE	NONE	NONE	4.7	5.9	7.1	8.3	9.4	10.6	11.8
16	NONE	NONE	NONE	NONE	NONE	4.3	4.9	5.5	6.1
ALL ZONES	NONE	NONE	4.7	5.9	7.1	8.3	9.4	10.6	11.8

NOTES:
FOR SITE-SPECIFIC PROJECT, INDICATE BUILDING SIZE AND PV SYSTEM SIZE.
IF PV SYSTEM IS REQUIRED, SEE NOTE 15 UNDER GENERAL NOTES

2 ***PV SIZING CHART***

CODE	ADOPTED YEAR	ITEM
NFPA 13	2022	AUTOMATIC SPRINKLER SYSTEMS
NFPA 72	2022	NATIONAL FIRE ALARM CODE w/ CALIFORNIA AMENDMENTS

NOTE: VISUAL DEVICES PER UL STANDARD 1971

GENERAL NOTES

1. ARCHITECT OF RECORD SHALL PROVIDE FIRE ALARM DRAWINGS WITH SITE ADAPTED PROJECTS. FIRE ALARM IS NOT PART OF THIS PC.
2. THIS PC HAS BEEN STRUCTURALLY DESIGNED TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM
3. ALLOWABLE AREA IS BASED ON 10'-0" SETBACK FROM ASSUMED LINE
4. PC DESIGNED AS A SINGLE-STORY MODULAR BUILDING
5. SEE STRUCTURAL FOR SOIL TYPES & BEARING STRENGTHS
6. WORK SHALL CONFORM TO TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS
7. THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USAGE
8. EXTERIOR PROJECTIONS TO BE FIRE PROTECTED WHERE REQUIRED
9. SEE A0.5 AND ENGERY CALC M-SHEETS FOR REQUIRED ENVELOPE ASSEMBLIES & HVAC SYSTEMS
10. ALL SPECIFICATIONS BASED ON PERFORMANCE AND ABLE TO BE SUBSTITUTED BY "EQUAL" PRODUCTS
11. BUILDINGS TO COMPLY WITH WILDLAND URBAN INTERFACE GUIDELINES WHERE APPLICABLE
12. BUILDING AND SITE FEATURES MUST COMPLY WITH CALGREEN CODE FOR ITS SPECIFIC LOCATION WHEN ADAPTED FOR SITE-USE
13. SHOULD THIS P.C. CLASSROOM BE DESIGNED TO CONNECT TO ANOTHER P.C. CLASSROOM, INTERIOR SOUND TRANSMISSION IN THE WALL AND FLOOR-CEILING ASSEMBLY MUST MEET A MINIMUM STC OF 40 PER CALGREEN
- *14. THE CONCRETE BELOW GRADE FOUNDATION (AMM) OPTION IN THIS PC USES A DSA-APPROVED ALTERNATE MEANS OF COMPLIANCE FOR FOUNDATION DURABILITY REQUIREMENTS OF CBC SECTIONS 1402.2 AND 1403.2 FOR PROVIDING A WEATHER-RESISTANT EXTERIOR WALL ENVELOPE AND CONTINUOUS WATER-RESISTIVE BARRIER ON WALLS DOWN TO THE FOUNDATION, AND CBC SECTION 2304.12.1.2 FOR PROTECTION AGAINST DECAY AND TERMITES.
15. PC DOESN'T INCLUDE THE DESIGN OF PV RACK SYSTEM ON ROOF- A SEPARATE DESIGN AND DSA APPLICATION WILL BE REQUIRED. PV ON ROOF WILL NOT BE ALLOWED FOR OTC APPLICATION(OFOI)

1 *12" = 1'-0"* ***GENERAL NOTES***

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125504 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/18/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

IDENTIFICATION STAMP
DIV. OF THE STATE AR

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REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/18/2025

HARDWARE SCHEDULE

1.BOYS/GIRLS RESTROOMS : HW1

LOCKSET	SCHLAGE ND70PDRHO626 (cylindrical)	Finish 26D or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D or equal
CLOSER	NORTON 8501 BFDA STRIP (option)	Finish 689 or equal
WEATHER	HAGER 891SAV 3684	Finish Alum or equal
STRIP	HAGER 413SA 36	Finish Alum or equal
THRESHOLD	HAGER 783SAV 35N	Finish Alum or equal
DOOR BOTTOM	ANEMO 24x12	Finish Bronze
LOUVER		

2.STAFF BATHROOM : HW2

LOCKSET	SCHLAGE ND73PDRHO626 (cylindrical)	Finish 26D or equall
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D or equal
WEATHER	HAGER 891SAV 3684	Finish Alum or equal
STRIP	HAGER 413SA 36	Finish Alum or equal
THRESHOLD	HAGER 783SAV 35N	Finish Alum or equal
DOOR BOTTOM	ANEMO 24x12	Finish Bronze
LOUVER		

3.WORK ROOM : HW3

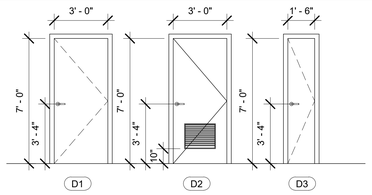
LOCKSET	SCHLAGE ND75PDRHO626 (cylindrical)	Finish 26D or equall
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D or equal
CLOSER	NORTON 8501 BFDA STRIP	Finish 689 or equal
WEATHER	HAGER 891SAV 3684	Finish Alum or equal
STRIP	HAGER 413SA 36	Finish Alum or equal
THRESHOLD	HAGER 783SAV 35N	Finish Alum or equal
DOOR BOTTOM		

4.WORK ROOM : HW4

LOCKSET	SCHLAGE ND70PDRHO626 (cylindrical)	Finish 26D or equall
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D or equal
THRESHOLD	HAGER 413SA 36	Finish Alum or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum or equal

Door Schedule

Mark	Type	Width	Height	Door Material	Frame Type	Wall Thickness	Hardware
1	D2	3' - 0"	7' - 0"	18GA Hollow Metal	Knock Down	4 7/8"	HW1
2	D2	3' - 0"	7' - 0"	18GA Hollow Metal	Knock Down	4 7/8"	HW2 - No Closer Req'd
3	D1	3' - 0"	7' - 0"	18GA Hollow Metal	Knock Down	5 1/4"	HW3
4	D3	1' - 6"	7' - 0"	18GA Hollow Metal	Knock Down	4 1/8"	HW4



1. ALL DOORS SHALL COMPLY WITH CBC SECTION 11B-404 AND BE 1 3/4" THK (UNO)

2. CENTER ALL DOOR LEVERS FOR ACCESS AND LOCKING @ 40" ABOVE FINISH FLOOR. ALL HARDWARE SHALL OPEN FROM THE INTERIOR AND NOT REQUIRE ANY SPECIFIC KNOWLEDGE OF THE HARDWARE OR REQUIRE ANY SPECIAL EFFORT FOR EGRESS. THE LEVER OF LEVER-ACTUATED LEVERS OR LOCKS SHALL BE CURVED WITH A RETURN TO WITHIN 1/2" OF THE FACE OF THE DOOR TO PREVENT CATCHING ON THE CLOTHING (etc.) OF PERSONS DURING EGRESS. THE LEVER OF LEVER-ACTUATED LEVERS OR LOCKS SHALL EXTEND AT A MINIMUM OF ONE-HALF THE DOOR WIDTH.

3. PER CBC 1010.1.10 FOR ANY ROOM CONFIGURATION WHICH PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER SHALL NOT BE PROVIDED WITH A LATCH OR LOCK UNLESS IT IS PANIC HARDWARE OR FIRE EXIT HARDWARE AND COMPLY WITH ALL REQUIREMENTS OF SECTION 11B-309 OF THE CBC. ALL HARDWARE SHALL COMPLY WITH HARDWARE SCHEDULE THIS SHEET.

4. PER CBC 11B-309.4 THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS (22.2 N) MAX.

5. PER CBC 11B-404.2.8.2 DOOR SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR SHALL MOVE TO THE CLOSE POSITION IN 1.5 SECONDS MINIMUM. ALL CLOSER MUST COMPLY WITH CBC 11B-404.2.8.1 - DOOR CLOSER AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS OR LESS.

6. THE MAXIMUM AREA OF EXTERIOR WALL OPENING PER CBC TABLE 705.8 AND THE FIRE PROTECTION FOR EXTERIOR WALL PER CBC TABLE 602. ALL FIRE PROTECTION BASED ON THE FIRE SEPARATION DISTANCE.

7. DOOR LOCATION MAY VARY BASED ON PROJECT REQUIREMENTS.

8. (PH) ON PLANS THE SHEET INDICATES REQUIRED PANIC HARDWARE.

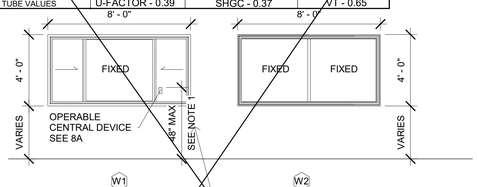
9. PROVIDE EXIT SIGNS AS REQUIRED PER CBC SECTION 1013.4 SEE DETAILS PER A0.2

9 *1/4" = 1'-0"*
Doors

Window Schedule Per Work Room

Mark	Type Mark	Height x Width	Function	Type Comments	Glazing	Source
A	W1	4'-0" x 8'-0"	XOX	Clear Anodized Alum. Frame	*DP	Manufacturer
B	W2	4'-0" x 8'-0"	XO	Fire Rated Window - 0.048" THK Welded Frame	**FRG	Manufacturer
C	W3	21"ø	O	Solatube 330 DS***		Manufacturer
D	W4	21"ø	O	Solatube 750 DS***		Manufacturer

REQUIRED WINDOW VALUES	U-FACTOR - 0.35	SHGC - 0.24	VT - 0.5
REQUIRED SOLAR TUBE VALUES	U-FACTOR - 0.39	SHGC - 0.37	VT - 0.65



WINDOW LOCATION MAY VARY BASED ON PROJECT REQUIREMENTS.
ONLY (1) WINDOW ON (1) SIDE WALL TOTAL, SEE A1.3.
NO WINDOWS PERMITTED ON FRONT OR REAR WALL

INTERNATIONAL WINDOW 6220 - 3/4" INSULATING GLASS UNIT PERFORMANCE
U-VALUE : 0.54
SHGC: 0.30

*DP = DUAL PANE TEMPERED GLASS 3/16" THK MIN
SOLAR GRAY 3/16" ENERGY SHIELD WITH 46% LIGHT TRANMISSION FACTOR
ALL OPERABLE SASH SHALL HAVE SCREENS

**FRG = FIRE RATED GLAZING w/
LABEL MEETING REQUIREMENTS FOR A 3/4 HOUR (45 MINUTE) FIRE WINDOW ASSEMBLY PER CBC SECTION (TABLE) 716.6

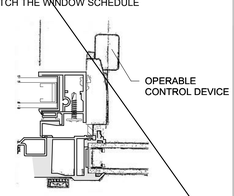
*** SEE CUT SHEETS , A4.2, & 20/S3.1

1. CONTROL DEVICE MUST COMPLY WITH CBC IIB-309
CBC IIB-308

11B-309.4 OPERATION. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) maximum.

SEE NOTE 1,
WHEN OPERABLE CONTROL DEVICE IS LOCATED OVER AN OBSTRUCTION:
46" MAX w/ OBSTRUCTION FOR SIDE APPROACH
44" MAX w/ OBSTRUCTION FOR FRONT APPROACH
OVER 24" DEEP X 34" MAX HIGH OBSTRUCTION
WITH ACCESSIBLE KNEE / TOE SPACE

NFRC LABELS SHALL STAY ON THE FENESTRATION PRODUCTS, UNTIL THE INSPECTOR HAS VERIFIED THAT THE INSTALLED U-FACTOR, SHGC, AND VT MATCH THE WINDOW SCHEDULE



8 *1/4" = 1'-0"*
Windows

8A

7 *1/4" = 1'-0"*
Door Hardware

Finish Schedule

Room Number	Flooring		Wall Finish				Ceiling		Notes
	Floor	Base	Front	Left	Rear	Right	Type	Ht.	
GIRLS	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	
BOYS	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	
SINGLE OCC.	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	
SINGLE OCC.	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	
WORK ROOM	CARP	4" TS	Tack	Tack	Tack	Tack	CP	8'-0"	

Abbreviations:

FLOORING
- CARP: CARPET PER STATE OF CALIFORNIA SPECIFICATIONS COMPLYING WITH GROUP 1; TYPE "A" OR TYPE "B"; CLASS 2; DENSITY 4600; DIRECT GLUE DOWN. SEE NOTE (4)
- SV: SHEET VINYL FLOORING. SEE NOTE (2)
- VCT: VINYL COMPOSITION TILE. SEE NOTE (2)

BASE
- 4" TS: 4" TOP SET BASE
- 6" TS: 6" TOP SET BASE

WALLS
- TACK: 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYPÃUM BOARD BACKING
- FRP: 1/8" FIBER REINFORCED PANEL OVER 1/2" WATER RESISTANT GYPSUM BOARD
- GYP: 1/2" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH
- PLY: 1/2" PLYWOOD FINISH
- NF: NO FINISH SC: 6" SELF-COVE BASE

CEILING
- CP: ACOUSTICAL LAY IN GRID CEILING PANELS
- HC: 5/8" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH
- GBP: 1/2" GYPSUM BOARD WASHABLE PANELS (PAINTED)

Finishes Notes

1. ALL FINISHES SHALL COMPLY WITH CBC, CCR , AND CFR

2. PER ASTM D2047 ALL FLOORING WITH A COEFFICIENT OF FRICTION OF A MINIMUM OF 0.6 WILL BE CONSIDERED TO OBTAIN THE INTENT OF A SLIP RESISTANCE SURFACE.

3. FLOORING CONTRACTOR IS RESPONSIBLE FOR SUB-FLOORING PREPARATION. ALL PLYWOOD TO BE APA RATED AND COMPLY WITH PS1-09. PLYWOOD SURFACE TO BE CARPETED IS TO BE PLUGGED AND SANDED BY FLOORING CONTRACTOR. ALL DEFORMITIES OCCURRING DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE PLUGGED AND SANDED BY FLOOR CONTRACTOR. MATELINE JOINTS TO BE A MAX OF 1/8" AND SHALL BE PLUGGED AND SANDED BY FLOORING CONTRACTORS.

4. ALL CARPET AND FLOOR FINISH MUST COMPLY PER CBC SECTION 11B-302 FLOOR AND GROUND SURFACES. ALL CHANGES IN ELEVATION SHALL COMPLY WITH CBC SECTION 11B-303 CHANGES IN LEVELS

4 *1/4" = 1'-0"*
Finishes and Materials

MOISTURE PROTECTION INSULATION:

MATERIAL:
INSULATING MATERIAL FOR WALLS, CEILINGS, AND FLOORS SHALL BE FIBERGLASS BATTS (UNFACED) AND SHALL COMPLY WITH CBC 2022.
(CLASS A = 0-25 FLAME SPREAD:) SMOKE DEVELOPMENT DENSITY LESS THAN 450.

INSULATION VALUES
ALL INSULATION VALUES DESIGNED FOR WORST CASE CLIMATE ZONE. SEE BELOW FOR INSULATION VALUES

EXTERIOR WALL INSULATION (MIN.)
- ☐ R-19 (2x6) JOHNS MANSVILLE "OR EQUAL"

INTERIOR WALL INSULATION (MIN.)
- ☐ R-13 JOHNS MANSVILLE "OR EQUAL"

FLOOR INSULATION (MIN.)
- ☐ WOOD SHTH'G R-30 JOHNS MANSVILLE "OR EQUAL"
- ☐ CONCRETE SLAB WITH R-30 FIBERGLASS INSULATION

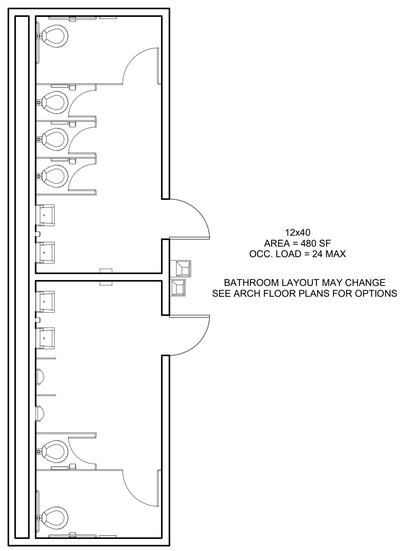
ROOF INSULATION (MIN.)
- ☐ R-38(EPDM) JOHNS MANSVILLE "OR EQUAL"
- ☐ R-38(STANDING SEAM) JOHNS MANSVILLE "OR EQUAL"

TABLE 1202.3
INSULATION FOR CONDENSATION CONTROL

CLIMATE ZONE	MINIMUM *R*-VALUE OF AIR-IMPERMEABLE INSULATION[a]
2B and 3B tile roof only	0 (none required)
1, 2A, 2B, 3A, 3B, 3C	R-5
4C	R-10
4A, 4B	R-15
5	R-20
6	R-25
7	R-30
8	R-35

a. Contributes to, but does not supersede, thermal resistance requirements for attic and roof assemblies in the *California Energy Code*.

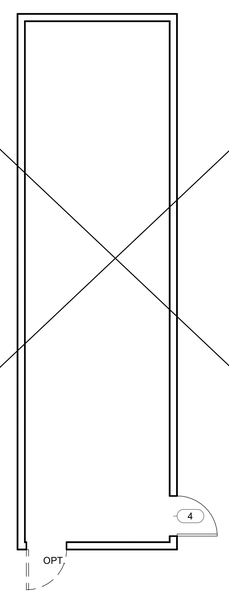
2 *1 1/2" = 1'-0"*
A0.1 GENERAL NOTES



12x40
AREA = 480 SF
OCC. LOAD = 24 MAX

BATHROOM LAYOUT MAY CHANGE
SEE ARCH FLOOR PLANS FOR OPTIONS

5 *3/16" = 1'-0"*
12x40 RESTROOM (Total Area 480sf)



12x40
AREA = 480 SF
OCC. LOAD = 24 MAX

NOT TO BE USED FOR
ASSEMBLY OR STORAGE OCCUPANCY

1 *3/16" = 1'-0"*
12x40 Work Room (Total Area 480sf)

6 *1/4" = 1'-0"*
Insulation Specs

1. PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE. ENSURE THAT CLIMATE ZONE DATA IS INCLUDED ON LABEL.
(1) LABEL AT REAR EXTERIOR
(1) LABEL ABOVE CEILING LINE AT INTERIOR FRAME.
LABELS WILL BE MECHANICALLY FASTENED AND SHOW THE DSA APPLICATION NUMBER, MANUFACTURERS NAME AND SERIAL NUMBER, DESIGN LIVE LOAD FOR ROOF AND FLOOR FRAMING, WIND SPEED, EXPOSURE CATEGORY, AND Kzt = 1.0 PER 2022 CBC

2. VINYL TACKBOARD TO HAVE A CLASS C FLAME SPREAD RATING AND COMPLY WITH A SMOKE DENSITY OF 175

3. VERIFIED ALL DIMENSIONS PRIOR TO CONSTRUCTION

4. SEE INTERIOR ELEVATIONS FOR ALL REQUIRED EGRESS SIGNAGE AND FIRE ALARM SYSTEM COMPONENTS

5. WHEN RELOCATING OR REMOVING INTERIOR PARTITIONS (2) EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED. EXIT DOORS MUST BE SEPERATED BY A DISTANCE APART EQUAL TO OR NOT LESS THAN ONE-HALF OF THE MAXUMUM OVERALL DIAGONAL DIMENSION FOR ALL NONSPRINKLERED BUILDINGS. EXIT DOORS MUST BE SEPERATED BY A DISTANCE APART EQUAL TO OR NOT LESS THAN ONE-THIRD OF THE MAXUMUM OVERALL DIAGONAL DIMENSION FOR ALL SPRINKLERED BUILDINGS. ALL EXIT AND EXIT ACCESS DOORWAYS MUST COMPLY WITH CBC SECTION 1015 EXIT AND EXIT ACCESS DOORWAYS AND CBC SECTION 1016 EXIT ACCESS TRAVEL DISTANCE.

6. OCCUPANCY LOAD SIGNS SHALL BE POSTING AND COMPLY WITH CBC SECTION 1004.3

7. WHERE RAMP IS AGAINST THE WALL AT PLASTER EXTERIOR OR ADJACENT TO ANY ABRASIVE SURFACE THEN A SMOOTH TROWEL SURFACE MUST BE PROVIDED AT THESE LOCATIONS OR AN ALTERNATIVE APPLICATION THAT COMPLIES WITH CBC SECTION 11B-505.8

8. ALL SURFACES ADJACENT TO HANDRAILS SHALL NOT HAVE ANY SHARP, ABRASIVE, OR PROTRUDING COMPONENTS

9. ALL METAL RAILINGS AND CONNECTIONS SHALL HAVE A SMOOTH SURFACE WHICH EXTENDS 8" ABOVE THE HANDRAIL

10. FOR PLASTER WALLS PROVIDE CONTROL JOINTS AT ALL MODLINES, ENDWALLS @ 2'-0 FROM EDGE, 10'-0" o/c @ SIDEWALLS, AND ABOVE AND BELOW ALL OPENING. SEE EXTERIOR ELEVATIONS. ALL MATERIALS, MEANS, METHODS, AND PROCEDURES OF CONSTRUCTION USED TO PROTECT JOINTS SHALL COMPLY WITH FIRE RATED WALL ASSEMBLY PER CBC SECTION 703.2 - FIRE RESISTANCE RATING AND CBC SECTION 705 - EXTERIOR WALLS

11. FOR HVAC UNITS WHERE HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" AND LOCATED IN PEDESTRIAN PATH OF TRAVEL, A PROTECTION RAIL AROUND THE HVAC UNIT WILL BE PROVIDED. PER MNF INSTALLATION INSTRUCTIONS (OFOI)

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROFESSIONAL STAMP



01/12/24

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CLIENT

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ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-121373 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 01/12/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-123815 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/18/2024

PROJECT TITLE
12' x 40'
TOILET BUILDING PC
CBC 2022

SHEET TITLE
TYPICAL KEY PLAN AND SCHEDULES, GEN NOTES

PROJECT NUMBER
22091

DRAWN BY
rMc

CHECKED BY
RT

DATE
06/14/2021

SHEET NO.
A0.1
SHEET OF

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CHAPTER 11:COMMUNICATION ELEMENTS AND FEATURES

11B.702 Fire Alarm Systems
11B.702.1 General. Fire alarm systems shall have permanently installed audible and visible alarms complying with NFPA 72 (2022 edition)
except that the maximum allowable sound level of audible notification appliances complying with section 11B.4-3.2.1 of NFPA 72 shall have a sound level no more than 110 dB at the minimum hearing distance from the audible appliance. In addition, alarms in guest rooms required to provide communication features shall comply with NFPA 72 (2022 edition)

11B.703 Signs

11B.703.1 General. Signs shall comply with 703. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided.

11B.703.2 Raised Characters. Raised characters shall comply with 703.2 and shall be duplicated in braille complying with 703.3. Raised characters shall be installed in accordance with 703.4.

11B.703.2.1 Depth. Raised characters shall be 1/32 inch (0.8 mm) minimum above their background.

11B.703.2.2 Case. Characters shall be uppercase.

11B.703.2.3 Style. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

11B.703.2.4 Character Proportions. Characters 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".

11B.703.2.5 Character Height. Character height measured vertically from the baseline of the character shall be 5/8 inch (15.9 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase letter "I".

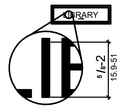


Figure 703.2.5 Height of Raised Characters

TABLE 11B-703.3.1 BRAILLE DIMENSIONS

MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
Dot base diameter	0.059 (1.5 mm) to 0.063 (1.6 mm)
Distance between two dots in the same cell[1]	*0.100 (2.5 mm)*
Distance between corresponding dots in adjacent cells[1]	*0.300 (7.6 mm)*
Dot height	0.025 (0.6 mm) to 0.037 (0.9 mm)
Distance between corresponding dots from one cell directly below[1]	0.395 (10 mm) to 0.400 (10.2 mm)

1. Measured center to center.

11B.703.2.6 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 15 percent maximum of the height of the character.

11B.703.2.7 Character Spacing. Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum. Where characters have other cross sections, spacing between individual raised characters shall be 1/16 inch (1.6 mm) minimum and 4 times the raised character stroke width maximum at the base of the cross sections, and 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum at the top of the cross sections. Characters shall be separated from raised borders and decorative elements 3/8 inch (9.5 mm) minimum.

11B.703.2.8 Line Spacing. Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent minimum and 170 percent maximum of the raised character height.

11B.703.3 Braille. Braille shall be contracted (Grade 2) and shall comply with 703.3 and 703.4.

11B.703.3.1 Dimensions and Capitalization. Braille dots shall have a domed or rounded shape and shall comply with Table 703.3.1. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.

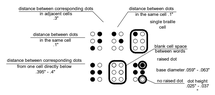


Figure 703.3.1 Braille Measurement

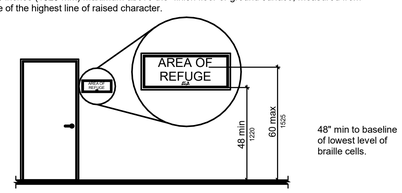
11B.703.3.2 Position. Braille shall be positioned below the corresponding text. If text is multi-lined, braille shall be placed below the entire text. Braille shall be separated 3/8 inch (9.5 mm) minimum from any other tactile characters and 3/8 inch (9.5 mm) minimum from raised borders and decorative elements.



Figure 703.3.2 Position of Braille

11B.703.4 Installation Height and Location. Signs with tactile characters shall comply with 703.4.

11B.703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48 inches (1220 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest braille cells and 60 inches (1525 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest line of raised character.



48" min to baseline of lowest level of braille cells.

Figure 703.4.1 Height of Tactile Characters Above Finish Floor or Ground

11B.703.4.2 Location. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile sign is provided at double doors with two active leafs, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18 inches (455 mm) minimum by 18 inches (455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.

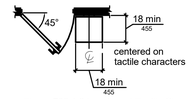


Figure 703.4.2 Location of Tactile Signs at Doors

11B.703.5 Visual Characters. Visual characters shall comply with 703.5.

11B.703.5.1 Finish and Contrast. Characters and their background shall have a non-glare finish. Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.

11B.703.5.2 Case. Characters shall be uppercase or lowercase or a combination of both.

11B.703.5.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

11B.703.5.4 Character Proportions. Characters 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".

11B.703.5.5 Character Height. Minimum character height shall comply with Table 703.5.5. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign. Character height shall be based on the uppercase letter "I".

11B.703.5.6 Height From Finish Floor or Ground. Visual characters shall be 40 inches (1015 mm) minimum above the finish floor or ground.

11B.703.5.7 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 10 percent minimum and 30 percent maximum of the height of the character.

11B.703.5.8 Character Spacing. Character spacing shall be measured between the two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10 percent minimum and 35 percent maximum of character height.

11B.703.5.9 Line Spacing. Spacing between the baselines of separate lines of characters within a message shall be 135 percent minimum and 170 percent maximum of the character height.

11B.703.6 Pictograms. Pictograms shall comply with 703.6.

11B.703.6.1 Pictogram Field. Pictograms shall have a field height of 6 inches (150 mm) minimum. Characters and braille shall not be located in the pictogram field.

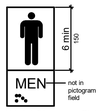
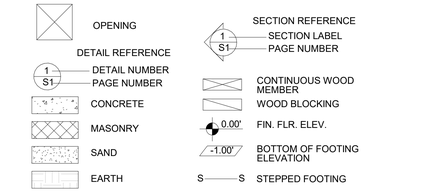


Figure 703.6.1 Pictogram Field
dark-on-light.



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DIV. OF THE STATE ARCHITECT
APP. 04-123615 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/18/2024

5



FM
ASSISTIVE LISTENING
SYSTEM AVAILABLE
- PLEASE ASK -

REQUIRED PER 11B-219 & 11B-706
(SEE FLOOR PLANS FOR MORE INFO)

SYMBOL PROPORTIONS SHALL
APPROXIMATE CBC FIGURE 11B-703.7.2.4

MAXIMUM OCCUPANCY

PERSONS

OCCUPANT LOAD SIGN REQUIRED PER DSA BU11-08.

EVERY ROOM OR SPACE WHICH IS USED FOR ASSEMBLY, CLASSROOM, DINING OR SIMILAR PURPOSES HAVING AN OCCUPANT LOAD OF 50 OR MORE SHALL HAVE THE OCCUPANT LOAD OF THE ROOM OR SPACE POSTED IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY

7

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125504 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/18/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT
11595 W Bernardo Court, Suite 100
San Diego, CA 92127
www.rstavares.com

PROFESSIONAL STAMP



01/12/24

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CLIENT

Class Leasing

1651Juanita Street, San Jacinto, CA 92583
Voice (951) 943-1908 Fax (951)943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-121371 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 01/12/2024

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2022 CBC

A separate project application for construction is required

PROJECT TITLE
12' x 40'
TOILET BUILDING PC
CBC 2022

SHEET TITLE
SIGNAGE AND SYMBOLS

PROJECT NUMBER
22091

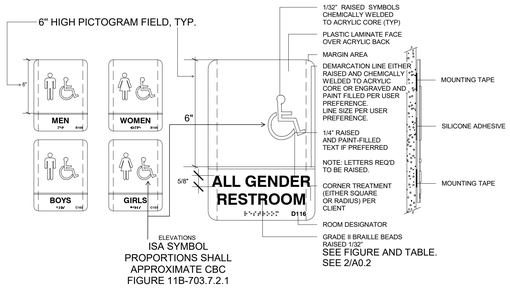
DRAWN BY
rMc/SM

CHECKED BY
JA/RT

DATE
06/14/2021

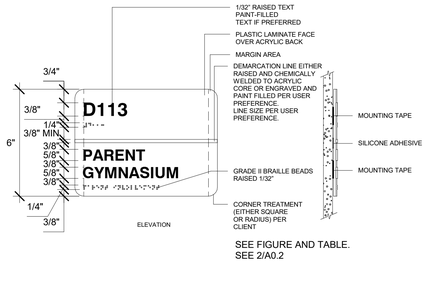
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A0.2

SHEET OF

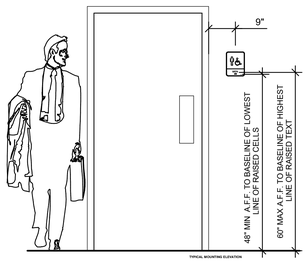


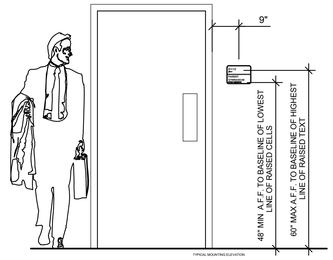
ISA SYMBOL
PROPORTIONS SHALL
APPROXIMATE CBC
FIGURE 11B-703.7.2.1

SEE FIGURE AND TABLE.
SEE 2/A0.2

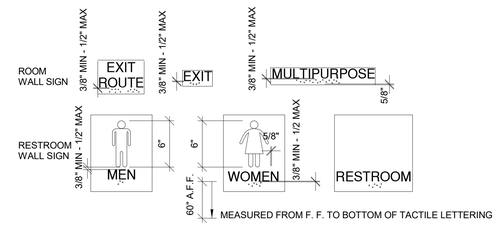


SEE FIGURE AND TABLE.
SEE 2/A0.2



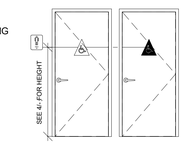


4 ***1/2" = 1'-0"***
Signage (OFOI-UNO)



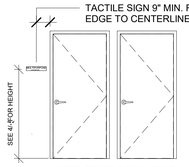
1. CHARACTERS ON SIGNS SHALL BE RAISED 1/32 INCH MIN. AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2.
2. RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8 INCH AND A MAXIMUM OF 2 INCHES HIGH.
3. CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MINIMUM AND HAVE A NON-GLARE 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-703.7.2.6.1 AND 11B-703.2.2.6.2
5. CHARACTERS HEIGHT MEASURE VERTICALLY FROM THE BASELINE OF THE CHARACTERS SHALL BE 5/8 INCH MINIMUM AND 2 INCHES MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I"SEE 11B.703.2.4 AND 703.2.5

CALIFORNIA CONTRACTED BRAILLE SHALL BE USED WHENEVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS.
DOTS SHALL BE 1/10 INCH ON CENTERS IN EACH CELL WITH 2/10 INCH SPACE BETWEEN CELLS, MEASURED THE SECOND COLUMN OF DOTS IN THE FIRSTCELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL.
DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCHES ABOVE THE BACKGROUND.
SEE FIGURE AND TABLE. SEE 2/A0.2



DOOR SYMBOLS: CIRLCLE & TRIANGLE1/4" THICK. 1/4" THICK TRIANGLE SHALL BE SUPERIMPOSED OVER 1/4" THICK CIRCLE AT UNISEX AND GENDER NEUTRAL RR.

1/4"=1'-0"

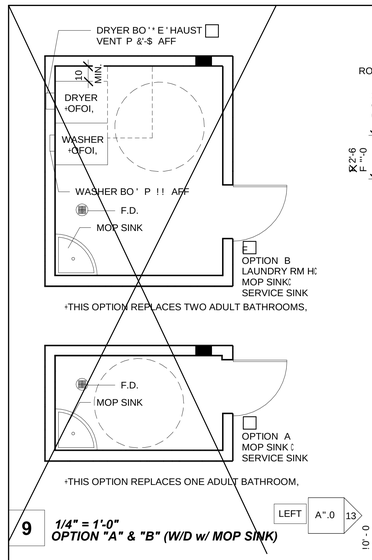


11B-703.7.2.6.3 - UNISEX TOILET AND BATHING FACILITIES.

A COMBINED CIRCLE AND TRIANGLE SYMBOL SHALL BE LOCATED AT ENTRANCES TO UNISEX TOILET AND BATHING FACILITIES. THE COMBINED CIRCLE AND TRIANGLE SYMBOL SHALL CONSIST OF A CIRCLE SYMBOL 1/4 INCH (6.4 mm) THICK AND 12 INCHES (305 mm) IN DIAMETER WITH A 1/4 INCH (6.4 mm) THICK EQUILATERAL TRIANGLE SYMBOL SUPERIMPOSED ON AND GEOMETRICALLY INSCRIBED WITHIN THE 12-INCH (305 mm) DIAMETER OF THE CIRCLE SYMBOL. THE VERTICES OF THE TRIANGLE SYMBOL SHALL BE LOCATED 1/4 INCH (6.4 mm) MAXIMUM FROM THE EDGE OF THE CIRCLE SUMBOL WITH A VERTEX POINTING UPWARD. THE COLOR OF THE TRIANGLE SYMBOL SHALL CONTRAST WITH THE COLOR OF THE CIRCLE SYMBOL, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. THE COLOR OF THE CIRCLE SYMBOL SHALL CONTRAST WITH THE COLOR OF THE DOOR OR SURFACE ON WHICH THE COMBINED CIRCLE AND TRIANGLE SYMBOL IS MOUNTED, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND.

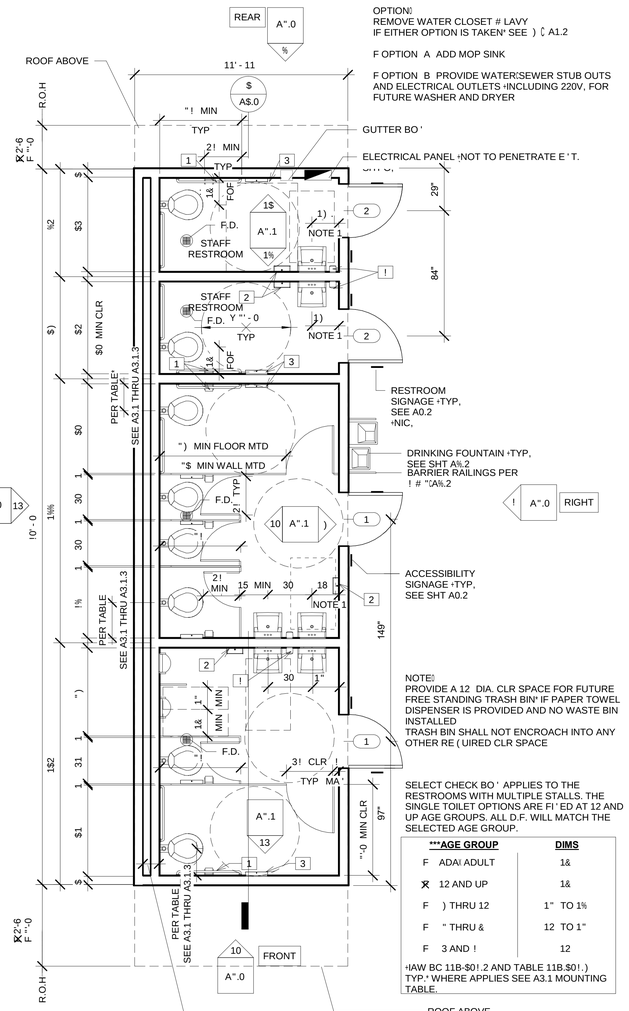
3 ***1/4" = 1'-0"***
Signage and Notes

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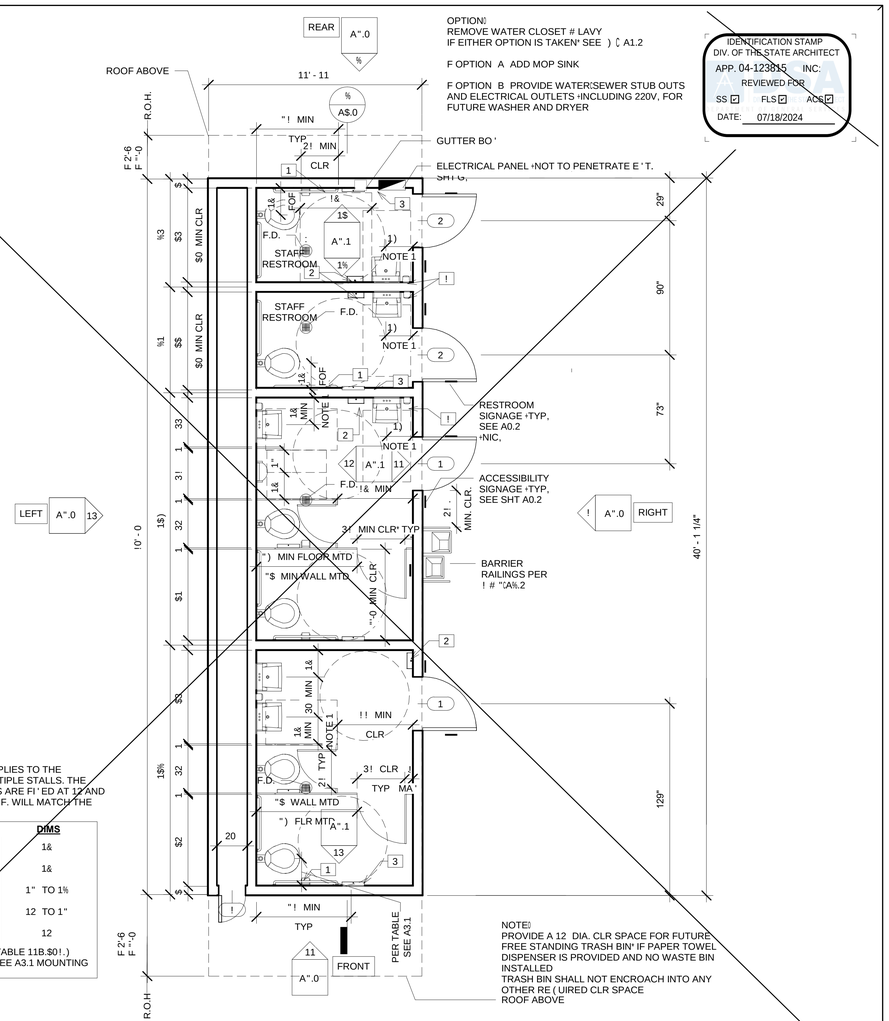
9 *1/4" = 1'-0"*
OPTION "A" & "B" (W/D w/ MOP SINK)

SERIAL NUMBERS:
C-24-3149
C-24-3150
C-24-3151
C-24-3152



SEE SCHEDULE THIS SHEET FOR WALL MOUNT AND ROOF MOUNT OPTIONS AND PLUMBING SHEETS

1 *1/4" = 1'-0"*
12x40 B/G/S/S (A) Floor Plan



SEE SCHEDULE THIS SHEET FOR WALL MOUNT AND ROOF MOUNT OPTIONS AND PLUMBING SHEETS

6 *1/4" = 1'-0"*
12x40 B/G/S/S (B) Floor Plan

W-.. S=>94;.9

	S?;4 S/19	S>99?	N1?96
F	N15/3-. ! W-.. S?;4 +I3?. O3.@,	S!."	
F	N15/3-.$ W-.. S?;4	S!."	

5 *1/4" = 1'-0"*
Wall Schedule

P.;5?/3< S=>94;.9

		S;AA.@	W-6!9
OA?/13 3+A,	X W-.. M1;3!94	1 □ P1.3	2 □ P2.3
	F F.11? M1;3!94		2 □ P3.2
OA?/13 3+B,	F W-.. M1;3!94	2 □ P1.3	2 □ P2.3
	F F.11? M1;3!94		3 □ P3.2

7 *1/4" = 1'-0"*
PLUMBING FIXTURE SYMBOL

1. RE (UIRED LOCATION OF LAVATORY TO BE 1) MIN FROM FACE OF FINISH OF WALL - ACCESSORIES HAVING A ! PROJECTION SHALL NOT ENCROACH INTO THE 30 B!& CLR SPACE. IAW CPC 2022 SECT. 402.5 PAPER DISPENSER SHALL NOT BE CONSIDERED OBSTRUCTIONS.
2. FLOOR MOUNTED TOILET FI ' TURES SHALL BE USED FOR KINDERGARTEN RESTOOM BUILDINGS
3. VERIFY ALL FI ' TURE HEIGHT AND DIMENSIONS PRIOR TO CONSTRUCTION
!. OCCUPANCY LOADS SIGN SHALL COMPLY WITH CHC 100!.3' SEE A0.2
". SEE P1.2' P2.2' # P3.2 SHEETS FOR PLUMBING LOCATION DIMENSIONS
6.ALL TOILET ROOM FLOORS MUST SLOPE TO THE ROOM'S DRAINS (TYP)

Note

F/29 R-7/3< S=>94;.9

	R-7/3<	S>99?	N1?96
F	1 HOUR - SIDING OVER WD STUDS	A2." (A)	WPN&10"
F	1 HOUR - PLASTER OVER 1□2 OSB OR 1□2 CD ' PLY H(WD STUDS	A2.$	WPN3"10

SEE A3.0 FOR ADDITIONAL FIRE ASSEMBLY NOTES AND DETAILS

E ' T. WALL - CBC TABLE %21.1

4 *1/4" = 1'-0"*
Fire Rating Schedule

1 TOILET PAPER HOLDER0 SINGLE ROLL SEMI-RECESSED OR 3 MA ' PROJECTION.

2 PAPER TOWEL DISPENSER[TRASH BIN COMBO SURFACE MOUNTED ! MA ' PROJECTION-CANNOT ENCROACH INTO 30 B!& CLEAR SPACE OR FI ' TURE.

3 TOILET SEAT DISPENSER0 SURFACE MOUNTED.

! SOAP DISPENSER0 LI (UID SOAP DISPENSER ! MA ' PROJECTION.

" PAPER TOWEL DISPENSER[TRASH BIN COMBO SURFACE MOUNTED FOR RESTROOM

Legend 1

EB?. F/3/6> S=>94;.9

	F/3/6>96	S>99?	N1?96
X	SIDING OVER WD STUDS	A2.1(A)	
F	PLASTER OVER 1□2 OSB OR 1□2 CD ' PLY H(WD STUDS	A2.2	

3 *1/4" = 1'-0"*
Ext. Finish Schedule

$0 CIRCLE CLEAR SPACE.

30 B!& CLEAR SPACE.

Symbols

R11!/3< S=>94;.9

SLOPE	EDPM	S?-34/3< S9-5	P-2-A9?	N1?96
D;-.	F A!.0	X A!.0	N□A	
M131	F A!.0	F A!.0	F A!.0	

2 *1/4" = 1'-0"*
Roofing Scedule

C.< S=>94;.9

SLOPE	R9!	N1?96
G@A	F A3.!	
T-G2/4	X A3.3	

8 *1/4" = 1'-0"*
Roofing Scedule

HVAC U3/?

K9@31?9	T@A9	T@A9 C15 593?6
F M1	W-.. M1;3?94 HVAC	S99 +M,-S>99?6
F M2	R11! M1;3?94 HVAC	S99 +M,-S>99?6

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125504 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/18/2025

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-123815 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/18/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
ANTHONY D. PAPA
No. 53385
Exp. 03/31/24
STRUCTURAL
STATE OF CALIFORNIA

01/12/24

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Class Leasing
1651Juanita Street, San Jacinto, CA 92583
Voice (951) 943-1908 Fax (951)943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-121371 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ SG ☑
DATE: 01/12/2024

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2022 CBC

A separate project application for construction is required

PROJECT TITLE
12' x 40'
TOILET BUILDING PC
CBC 2022

SHEET TITLE
12x40 OPTION 3
A/B FLOOR PLAN

PROJECT NUMBER
22091

DRAWN BY
rMc

CHECKED BY
RT

DATE
06/14/2021

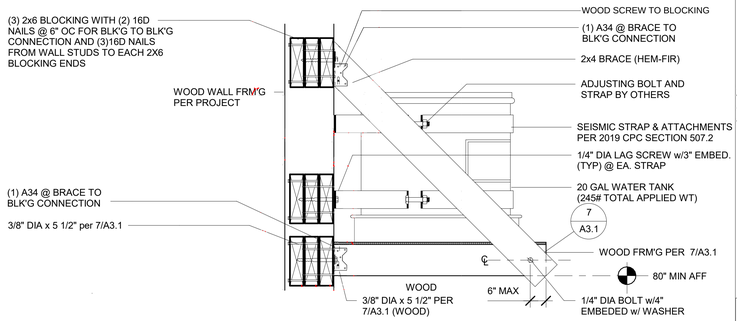
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A1.2

SHEET OF

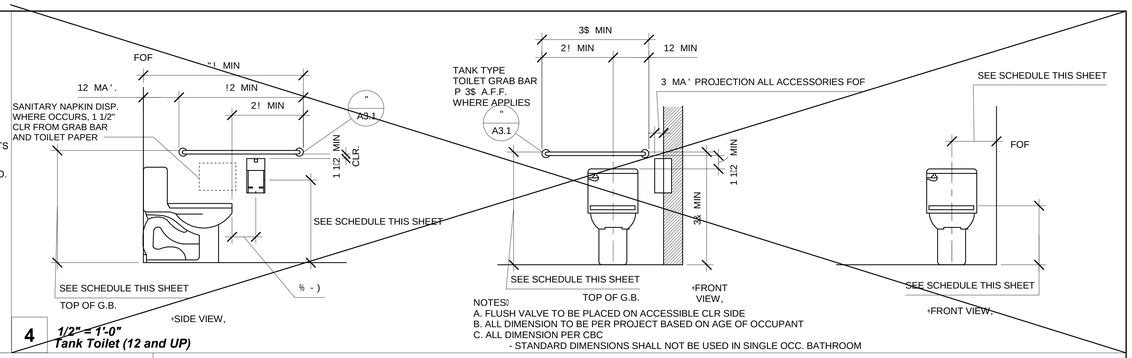
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$(2$(2023 11\2(\3) PM

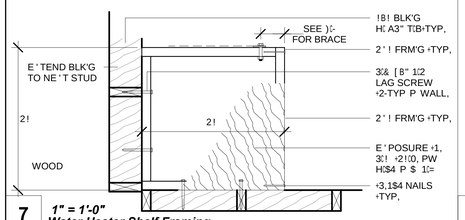
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125504 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/18/2025



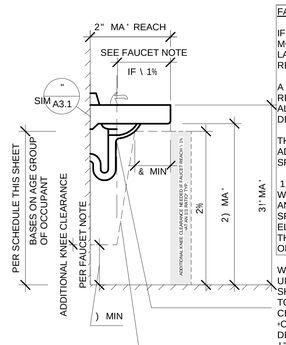
9 *1 1/2" = 1'-0"*
Water Heater Tank Bracing



4 *1/2" = 1'-0"*
Tank Toilet (12 and UP)



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



FAUCET NOTE

IF THE FAUCET CONTROLS ARE LOCATED MORE THAN 1% FROM THE FACE OF THE LAVATORY ADDITIONAL KNEE SPACE IS RE (UIRED TO BE ADDED .

A PERSON IN WHEELCHAIR FORWARD REACH OVER AN OBSTRUCTION MUST ALSO BE PROVIDED IN KNEE:TOE SPACE DEPTH.

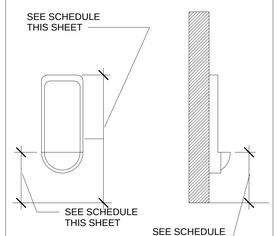
THE ADDITIONAL CLEARANCE IS TO BE ADDED TO THE KNEE SPACE NOT THE TOE SPACE. +SEE

11B-308.2.2 OBSTRUCTED HIGH REACH. WHERE A HIGH FORWARD REACH IS OVER AN OBSTRUCTION' THE CLEAR FLOOR SPACE SHALL E ' TEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE RE (UIRED REACH DEPTH OVER THE OBSTRUCTION.

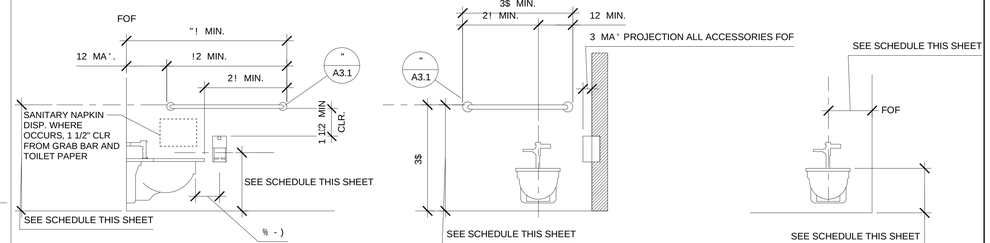
WATER SUPPLY AND DRAIN PIPES UNDER ACCESSIBLE SINK SHALL BE INSULATED OR CONFIGURED TO PROTECT AGAINST CONTACT PER CBC 11B.0." +CLASS 1 K 0-2" FLAME SPREAD:, SMOKE DEVELOPMENT DENSITY LESS THAN ! "0.PER CBC 11B.0."

NO SHARP OR ABRASIVE EDGES ALLOWED IN ACCESSIBLE CLEAR AREA

8 *3/4" = 1'-0"*
Accessible Sink1

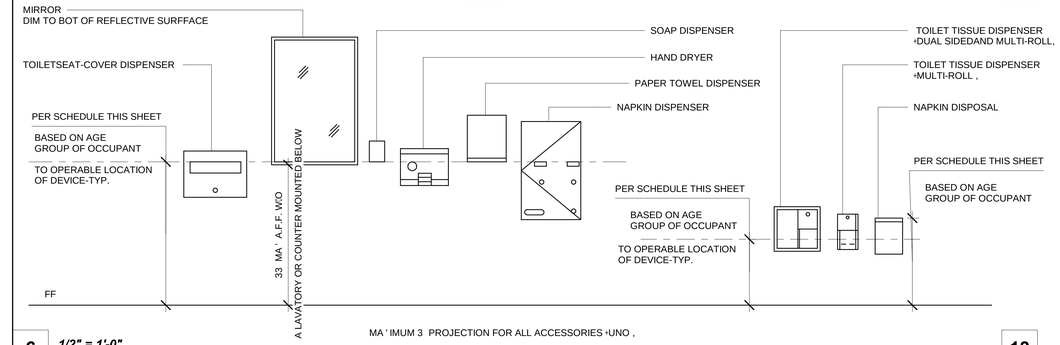


8A *1/2" = 1'-0"*
Wall Mounted Urinal



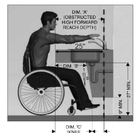
NOTES:
A. FLUSH VALVE TO BE PLACED ON ACCESSIBLE CLR SIDE
B. ALL DIMENSION TO BE PER PROJECT BASED ON AGE OF OCCUPANT
C. ALL DIMENSION PER CBC
- STANDARD DIMENSIONS SHALL NOT BE USED IN SINGLE OCC. BATHROOM

3 *1/2" = 1'-0"*
Wall Mounted Toilet (12 and UP)

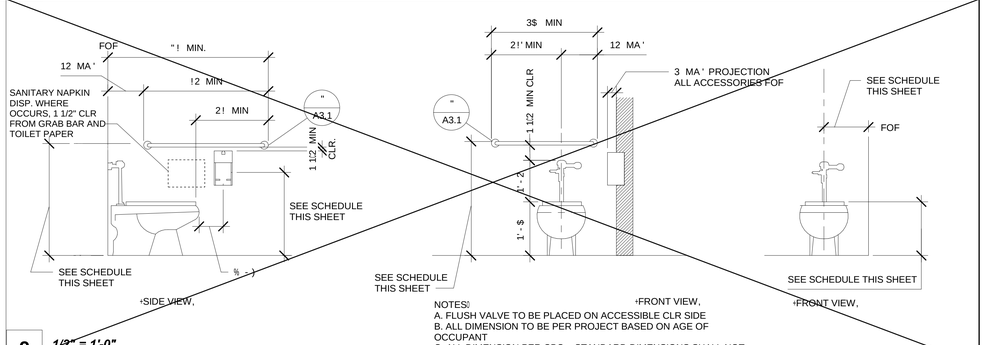


MA ' IMUM 3 PROJECTION FOR ALL ACCESSORIES +UNO ,

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

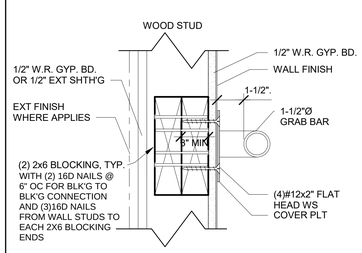


13 ***OBSTRUCTIVE REACH CLEARANCES***



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 CBC - STANDARD DIMENSIONS SHALL NOT BE USED IN SINGLE OCC. BATHROOM

2 *1/2" = 1'-0"*
Floor Mounted Toilet (12 and UP)



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

RECOMMENDED ACCESSIBLE MOUNTING HEIGHT PER CBC 11B$0) .! # TABLE 11B$0! .)

TYPE	F	
AGE GROUP	ADA # AGES 12 AND UP	2022 CBC REF
TOILET CENTERING FROM WALL	1% - 16	S 11B-$01.2 :::
TOILET SEAT HEIGHT	1% - 1)	S 11B-$01.! :::
TOILET FRONT CLEARANCE	!&	S 11B-$01.2
GRAB BAR HEIGHT +TOP OF BAR,	33 - 3$	S 11B-$01.3.1 ::
TOILET PAPER IN FRONT OF TOILET	% -)	S 11B-$01.%.1
TOILET PAPER DISPENSER HEIGHT +CENTER,	1) MIN.	S 11B-$01.%.1 ::
NAPKIN DISPOSAL	See Elevations *	S 11B-$01.%.2
NAPKIN DISPOSAL HEIGHT +TO TOP,	SEE DETAIL #2,#3, #4	S 11B-$01.%.2
MIRROR HEIGHT +TO REFLECTIVE SURFACE,	!0 MA ' :::	S 11B-$03.3
TOILET SEAT COVER DISPENSER HEIGHT ①	!0	S 11B-$03.*
LAVATORY:SINK +TOP- RIM	3! MA ' .	S 11B-$08.2 # 3
LAVATORY:SINK P APRON	2) MIN.	S 11B-$08.2
LAVATORY:SINK KNEE CLEARANCE	2% MIN	F 11B-308.3 S 11B-$08.2
SOAP DISPENSER ①	!0 MA ' .	S 11B-$03.*
HAND DRYER +TOP OF CONTROL,	!0 MA ' .	S 11B-$03.*
NAPKIN DISPENSER HEIGHT +TOP OF CONTROL! DISPENSER, ①	!0 MA ' .	S 11B-$03.*
PAPER TOWEL DISPENSER HEIGHT ①	!0 MA ' .	S 11B-$03.*
TOE CLEARANCE P TOILET PARTITION	) . MIN	S 11B-$01.&.1.!
URINAL HEIGHT	1% MA '	S 11B-$0" .2
URINAL PROJECTION	13 1/2 MIN	S 11B-$0" .2
FLUSH CONTROL HEIGHT	!! MA '	S 11B-$0" .!
HIGH D.F. SPOUT HEIGHT	3& TO !3	S 11B-$02.%
LOW D.F. APPROACH SPOUT HEIGHT' AND SPOUT LOCATION FROM FRONT EDGE OF THE UNIT INCLUDING BUMPERS	FRONT APPROACH PER 11B-309' 3$ MA ' . AFF' # " MA ' FROM FRONT EDGE OF THE UNIT	S 11B-$02.2 -E ' CEPTION S 11B-$02.! S 11B-$02."
D.F. OPERABLE PARTS	$ MA ' FROM FRONT EDGE OF THE UNIT	S 11B-$02.3
CANTILEVER D.F. PROJECTION	1& TO 1)	S 11B-$02.1
SHELF HEIGHT -WITHIN WATER CLOSET, AFF	!0 TO !&	S 11B-$01.&.3
KNEE CLEARANCE P) AFF	11 MIN	S 11B-308.3
KNEE CLEARANCE P 2% AFF	& MIN	S 11B-308.3

:: 6>-. ,=15A.@ H!'> S9=!13 11B-30).! . -34 6>-. ,?9 H-. 5 I.:3!94 -34 .1=:!94 13 ?>9 6/49H-. ?9!H993 ?>9-39-! H-. 1) ?>9-1!.9! -34 ?>9 ?1.9! A-A9! 4/6/49369! -4/.=9!3 ?1 ?>9 ?1.9! A-A9! 4/6/49369!. T>9-6/6A16- . ,3! 6>-. ?9 1=:!94 ?9!1H ?>9 <! ? ?-! H?> ?>9 1A9@3< ! H?>9-6/6A16- . ,3! 1) !3<>96 .5 3/5 !. 5 =!&3 5 5 , -?189 ?>9 !/3&> 1:11!.

:: -.61 !969393=94 (3 CBC T-? 9 11B-$0!.)

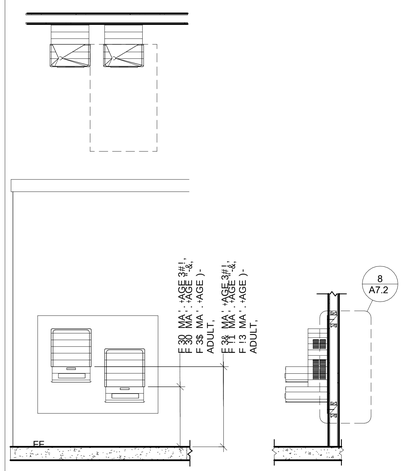
::: !0 M-B/5 ; 5 -?189 ..8-.!1)] 1! =1.;.3!9!'!1A! 3" M-B/5 ; 5 3!.' -?189 ..8-.!1)] 31! =1.;.3!9!'1A

①. OFOI - OWNER FUNISHED - OWNER INSTALLED

11B-)02.!.1 C:9-.! F.11! 1! G!1.;.34 SA-=9 **FOR CHILDREN'S USE**
A-=9-.! 11! 6A.-=9 =15A.@3< H!'> S9=!13 11B-30" A16!1394 1!1 !19H-14 -AA1-=> 6>-. ,?9 A1!8494. K399 -.34 !19 =.9-!.-3=9 =15A.@3< H!'> S9=!13 11B-30$ 6>-. ,?9 A1!8494" 9$=9A' ?>-! !3399 =.9-!.-3=9 2! (3=>96 =$!0 5 5 , 5/3/5 ; 5 -?189 ?>9 !/3&> 1:11! 1! <1!.;.34 6>-. ,?9 A9!5.!194.

11B-)02.!.2 H9'<>! **FOR CHILDREN'S USE**
T>9-!1A6 1! !-?:96 -.34 =1.;.3!9!'6 6>-. ,?9 2$!3<>96 =$!0 5 5 , 5/3/5 ; 5 -.34 30 /3<>96 =!&2 5 5 , 5 -B/5 ; 5 -?189 ?>9 !/3&> ! 11! 1! <1!.;.34.

SEE 12;A3.1.1 MOUNTING HEIGHT NOTES



10 *3/8" = 1'-0"*
Drinking Fountain Blocking Detail wood stud

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
MANH D. FAHIM
No. 53380
Exp. 03/31/24
STRUCTURAL
STATE OF CALIFORNIA

01/12/24

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CLIENT

Class Leasing
1651Juanita Street, San Jacinto, CA 92583
Voice (951) 943-1908 Fax (951)943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-121371 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ SG ☑
DATE: 01/12/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-123815 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/18/2024

PROJECT TITLE
12' x 40'
TOILET BUILDING PC
CBC 2022

SHEET TITLE
ACCESSIBILITY AND MOUNTING HEIGHT DETAILS

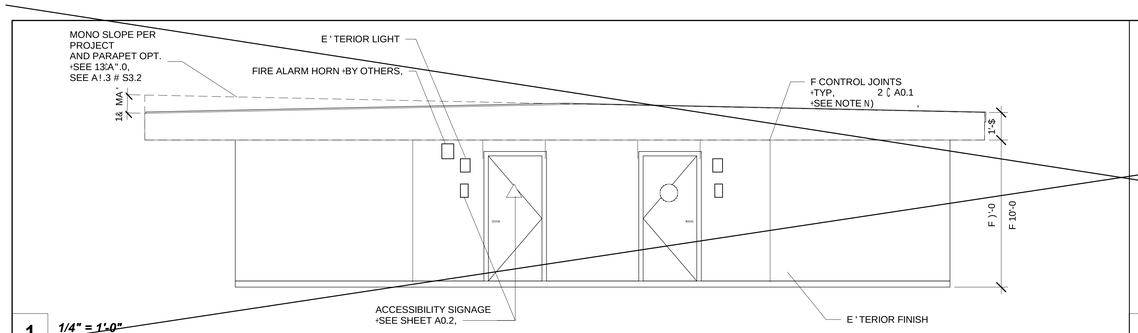
PROJECT NUMBER
22091

DRAWN BY
MJM

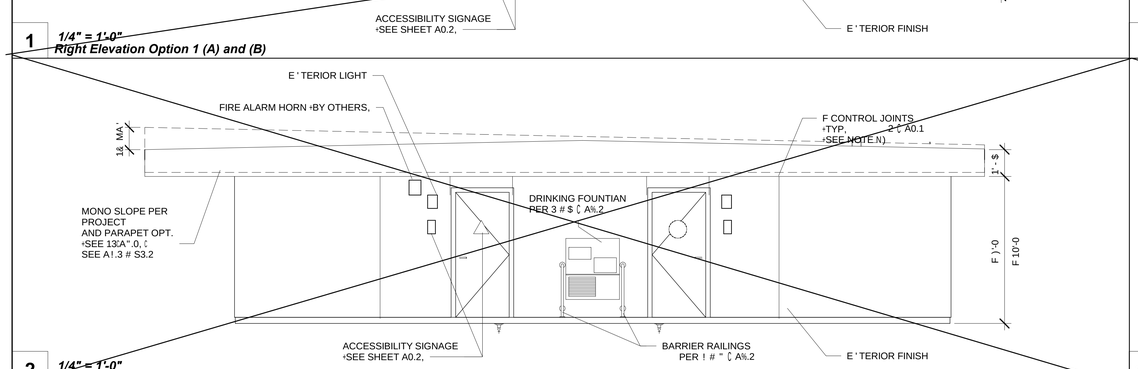
CHECKED BY
RH/rMc

DATE
10/31/2022

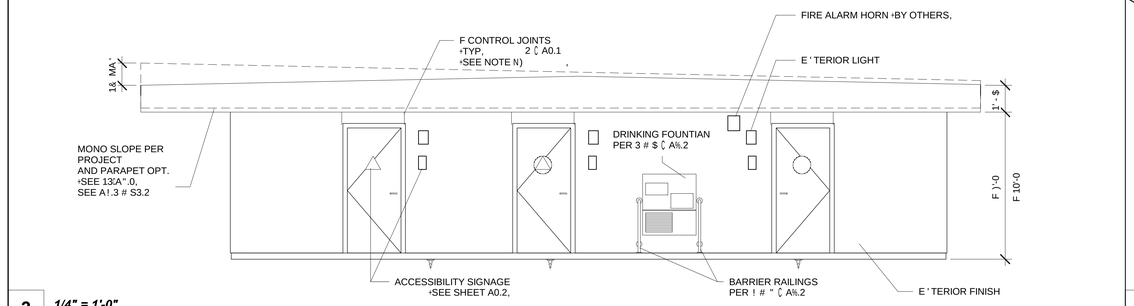
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A3.1
SHEET OF SHEETS



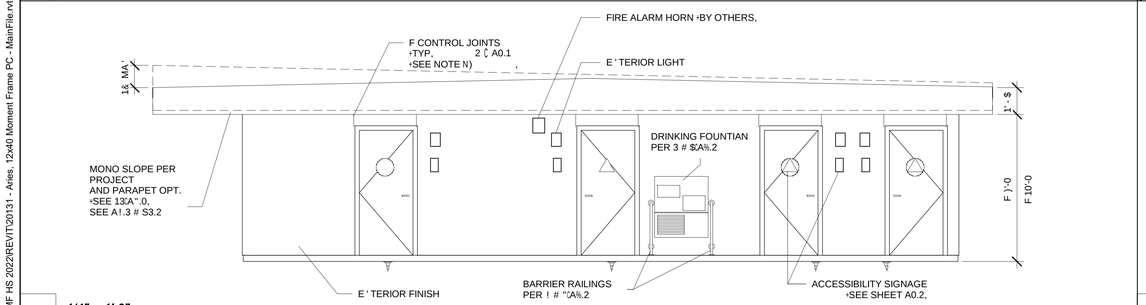
1 *1/4" = 1'-0"*
Right Elevation Option 1 (A) and (B)



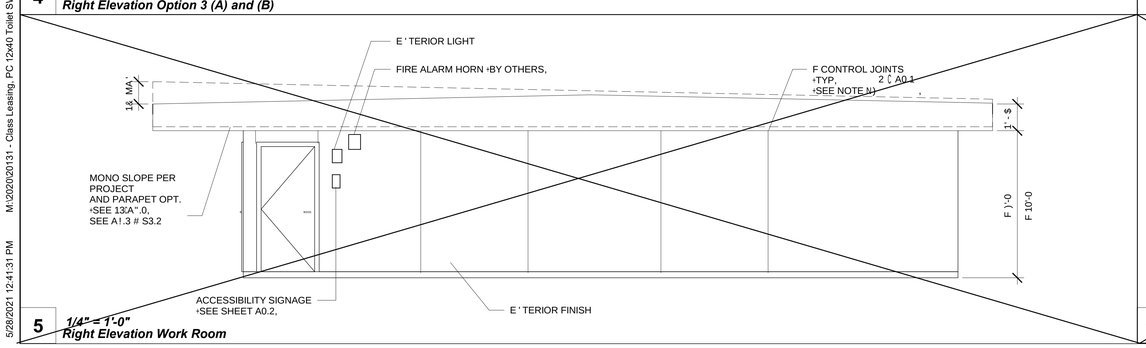
2 *1/4" = 1'-0"*
Right Elevation Option 1 (C)



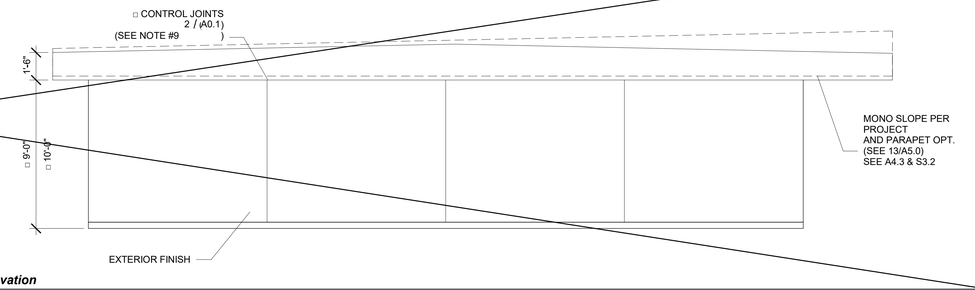
3 *1/4" = 1'-0"*
Right Elevation Option 2 (A) and (B)



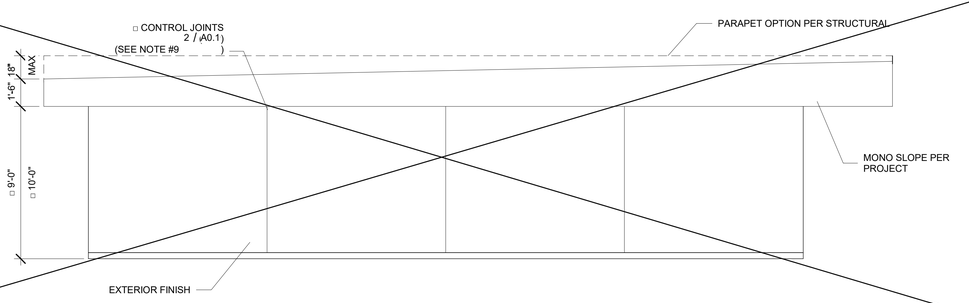
4 *1/4" = 1'-0"*
Right Elevation Option 3 (A) and (B)



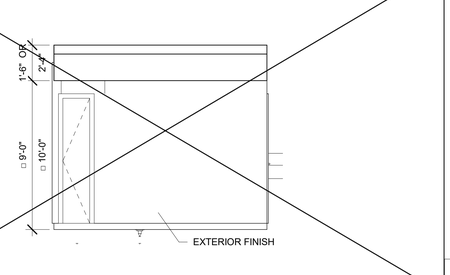
5 *1/4" = 1'-0"*
Right Elevation Work Room



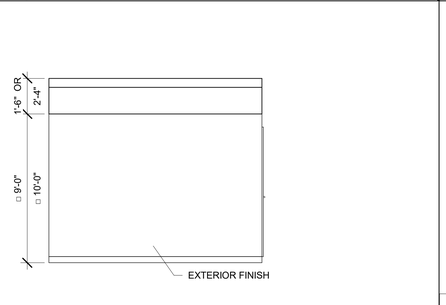
6 *1/4" = 1'-0"*
Left TYP Elevation



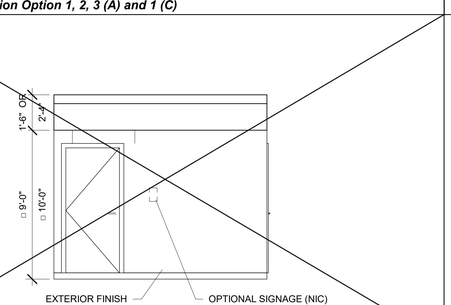
13 *1/4" = 1'-0"*
Left TYP Elevation Mono Slope



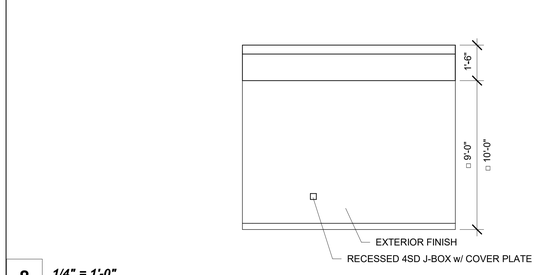
11 *1/4" = 1'-0"*
Front Elevation Option 1, 2, 3 (B)



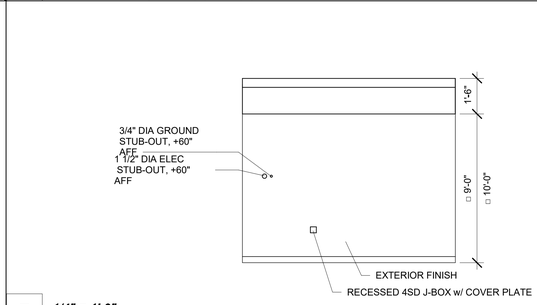
10 *1/4" = 1'-0"*
Front Elevation Option 1, 2, 3 (A) and 1 (C)



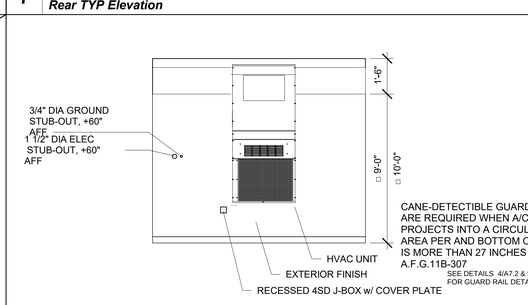
12 *1/4" = 1'-0"*
Front Elevation Work Room



8 *1/4" = 1'-0"*
Rear Elevation Option 2 (A) and (B)



7 *1/4" = 1'-0"*
Rear TYP Elevation



9 *1/4" = 1'-0"*
Rear Elevation Work Room

5/28/2021 12:41:31 PM M:\2020\20131 - Class Leasing, PC 12x40 Toilet SWMF HS 2022\REVIT\20131 - Aries, 12x40 Moment Frame PC - MainFile.rvt

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125504 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/18/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
JEREMY D. PETERSEN
No. S3380
Exp. 03/31/24
STRUCTURAL
STATE OF CALIFORNIA

01/12/24

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CLIENT

Class Leasing
1651Juanita Street, San Jacinto, CA 92583
Voice (951) 943-1908 Fax (951)943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-121371 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 01/12/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-123815 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/18/2024

PROJECT TITLE

12' x 40'
TOILET BUILDING PC
CBC 2022

SHEET TITLE

EXTERIOR ELEVATIONS

PROJECT NUMBER
22091

DRAWN BY
MJM

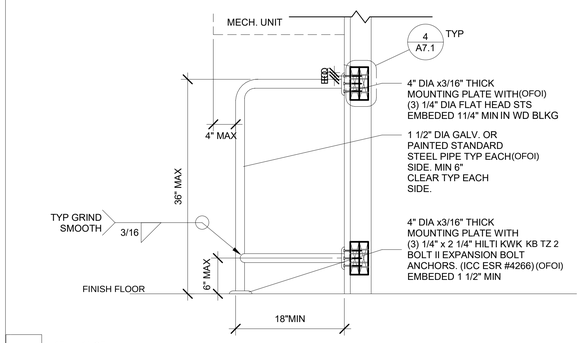
CHECKED BY
RH/rMc

DATE
10/31/2022

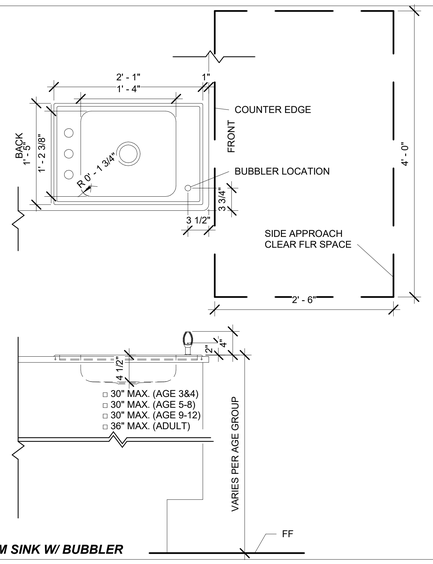
SHEET NO.
A5.0

SHEET OF SHEETS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125504 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/18/2025



5 *1" = 1'-0"*
HVAC BARRIER at wood stud



10 *1" = 1'-0"*
CLASSROOM SINK W/ BUBBLER

Heavy Duty 14 Gauge Drinking Fountain
Wall Mount, Fully Exposed
Barrier-Free Access
Model EHWM217RAC

ELKAY®
ROUGH-IN DIMENSIONS

RATED FOR INDOOR AND OUTDOOR USE

INSTALLER NOTE

THIS DRINKING FOUNTAIN IS FURNISHED WITH A BUBBLER AND WATERWAY WITH ALL CONNECTING FITTINGS WHICH ARE CONCEALED WITHIN THE UNIT. THE UNIT IS LEAD FREE MATERIAL. SHUT OFF VALVE (NOT FURNISHED) TO ACCEPT 3/8" O.D. UNPLATED COPPER TUBE.

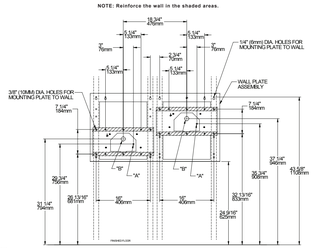
OPERATION OF QUICK CONNECT FITTINGS



When installing EHWM217RAC which includes a surface mounting plate, refer to the diagram below.

For electrical, waste, and water supply locations refer to the Installation/Owners manual.

NOTE: Reinforce the wall in the shaded areas.



LEGEND:
A = Recommended water supply location 3/8" O.D. unplated copper tube connect,
– Rubber 1-1/2" (38mm) from the wall. Shut off by others.
B = Recommended location for waste outlet 1-1/4" O.D. drain, studded 6-5/8" (168mm) from the wall.

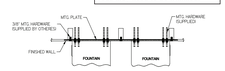
Heavy Duty 14 Gauge Drinking Fountain
Wall Mount, Fully Exposed
Barrier-Free Access
Model EHW217RAC with MPW200

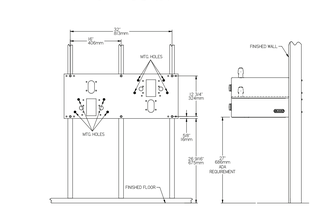
ELKAY®
ROUGH-IN DIMENSIONS

RATED FOR INDOOR AND OUTDOOR USE

When installing EHW217RAC with MPW200 in-wall plate mounted directly to wall studs, refer to the diagrams below.
For electrical, waste, and water supply locations refer to the Installation/Owners manual.

Note – After installation, threaded rods may need to be trimmed.





In keeping with our policy of continuing product improvement, Elkay reserves the right to change specification without notice. Please visit elkay.com for the most current version.

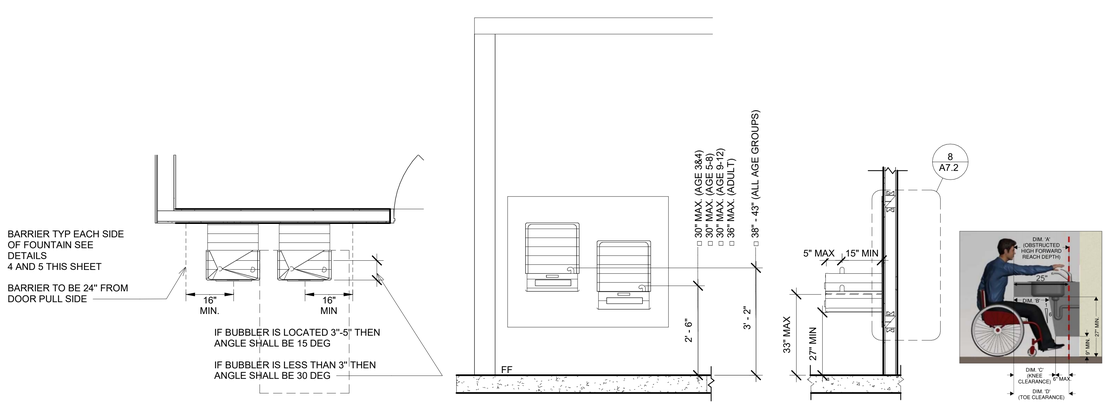
This specification describes an Elkay product with design, quality and functional benefits to the user. When making a comparison of other producer's offerings, be certain these features are not overlooked.

6 *NTS*
ELKAY EXAMPLE OF MOUNTING ELEVATION

NOTES FOR THIS OWNER FURMINSHED OWNER INSTALLED DRINKING FOUNTAIN:

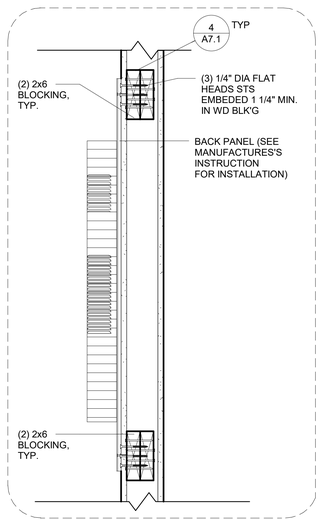
1. FINAL PRODUCT SELECTION IS OWNER RESPONSIBILITY.
2. MOUNTING REQUIREMENTS WILL VARY BY MANUFACTURER'S INSTALLATION INSTRUCTIONS
3. THE ELKAY SHEETS PROVIDED IN THIS SET ARE FOR EXAMPLE PURPOSES ONLY.
4. FINAL PRODUCT SELECTION MUST BE SUBMITTED ALONG WITH SITE SPECIFIC CONSTRUCTION APPLICATION FOR REVIEW
5. MOUNTING HARDWARE SHALL PROVIDE A MINIMUM OF 2" PENETRATION INTO WOOD FRAMING
.

11B-602.6 WATER FLOW. THE SPOUT PROVIDE A FLOW OF WATER 4 INCHES (102mm) high minimum and shall be located 5 inches (127 mm) maximum from the front of the unit. The angle of the water stream shall be measured horizontally relative to the front face of the unit. Where spouts are located less than 3 inches (76 mm) of the front of the unit, the angle of the water stream shall be 30 degrees maximum. Where spouts are located between 3 inches (76 mm) and inches (127 mm) maximum from the front of the unit, the angle of the water stream shall be 15 degrees maximum



DIM. 'A'	DIM. 'B'	DIM. 'C'	DIM. 'D'
17"	8"	11"	17"
18"	9"	12"	18"
19"	10"	13"	19"
20"	11"	14"	20"
21"	12"	15"	21"
22"	13"	16"	22"
23"	14"	17"	23"
24"	15"	18"	24"
25"	16"	19"	25"

7 *1/2" = 1'-0"*
Drinking Fountain Blocking Detail wood stud



8 *1 1/2" = 1'-0"*
Section Cut 1A/A-5.2

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN • CONSULTING • PROJECT
11990 W Bernardo Court, Suite 100
San Diego, CA 92127
www.rstavares.com

PROFESSIONAL STAMP



01/12/24

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CLIENT

Class Leasing
1651Juanita Street, San Jacinto, CA 92583
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ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-121371 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ SG ☑
DATE: 01/12/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123815 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/18/2024

PROJECT TITLE
12' x 40'
TOILET BUILDING PC
CBC 2022

SHEET TITLE
ADDITIONAL
OPTION DETAILS

PROJECT NUMBER
22091

DRAWN BY
MJM

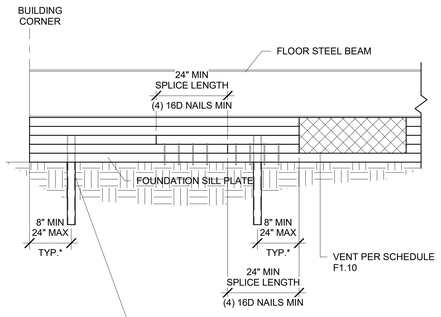
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RH/rMc

DATE
10/31/2022

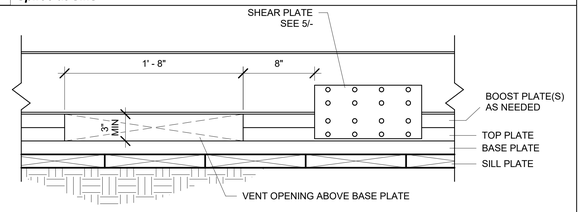
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SHEET OF

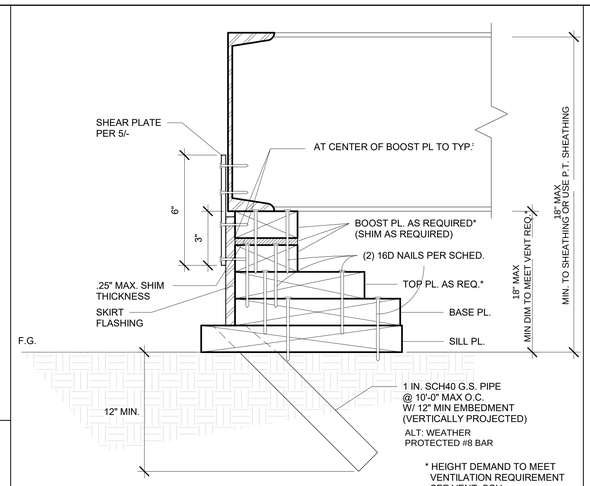
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8 *1" = 1'-0"*
Splice at Sills

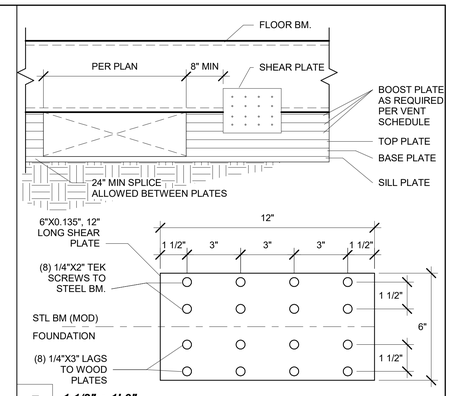


7 *1 1/2" = 1'-0"*
Venting Located Above Base Plate for 150 PSF LL ☐



NOTE:
(BASED ON DSA IR-16-1, SECTIONS 2.2.3, 2.3 AND 2.4, ANY BUILDING UNDER 2160 SQFT MAY BE LOWER THAN 18", THE REQUIREMENT FOR PRESERVATIVE FLOOR FINISH SHEATHING OR WALL FRAMING DOES NOT APPLY. A WAIVER OF DURABILITY WILL BE SUBMITTED FOR APPROVAL BY THE CLIENT'S APPOINTED AGENT.)

6 *3" = 1'-0"*
SILL PLATE PROFILE



5 *1 1/2" = 1'-0"*
VENT OPENING AT SIDEWALL

18" CRAWL SPACE REQUIRED ON ALL UNDER FLOOR PLUMBING OPTION

SHEAR PLATE SCHEDULE			
	≤ 100 PSF	≤ 150 PSF	PARAPET
END WALL	3	4	3
SIDE WALL	5	7	5

SILL PLATE SCHEDULE			
PLATE	END WALL	SIDE WALL	
BOOSTER	2X4	2X4	
TOP	2X6	2X6	
BASE	2X8	2X8	
SILL	50+15 PSF	2X12	2X12
	≤100 PSF	2X14	2X14
	≤150 PSF	2X14	(CONT.) 2X12 16" LONG

SILL PL. FASTENING SCH.	
END WALL	(2) 16D(COMMON/BOX NAIL) @ 6" O.C.
SIDE WALL	(2) 16D(COMMON/BOX NAIL) @ 12" O.C.

VENTING SCHEDULE (ALL VENTS USE .6 FACTOR FOR THE OPEN AREA OF THE SCREENING)			
50+15 PSF	TYP. VENT SIZE:	6" x 42" x .6	= 1.05SF
	VENT AREA REQ:	12FTX40FT/150	= 3.2 SF
	VENT AREA AVAIL:	(4)X 1.05 SF	= 4.2 SF
100 PSF	TYP. VENT SIZE:	6" x 42" x .6	= 1.05 SF
	VENT AREA REQ:	12FTX40FT/150	= 3.2 SF
	VENT AREA AVAIL:	(4)X 1.05 SF	= 4.2 SF
150 PSF	TYP. VENT SIZE:	6" x 20" x .6	= 0.5 SF
	VENT AREA REQ:	12FTX40FT/150	= 3.2 SF
	VENT AREA AVAIL:	(8) X 0.5 SF	= 4 SF

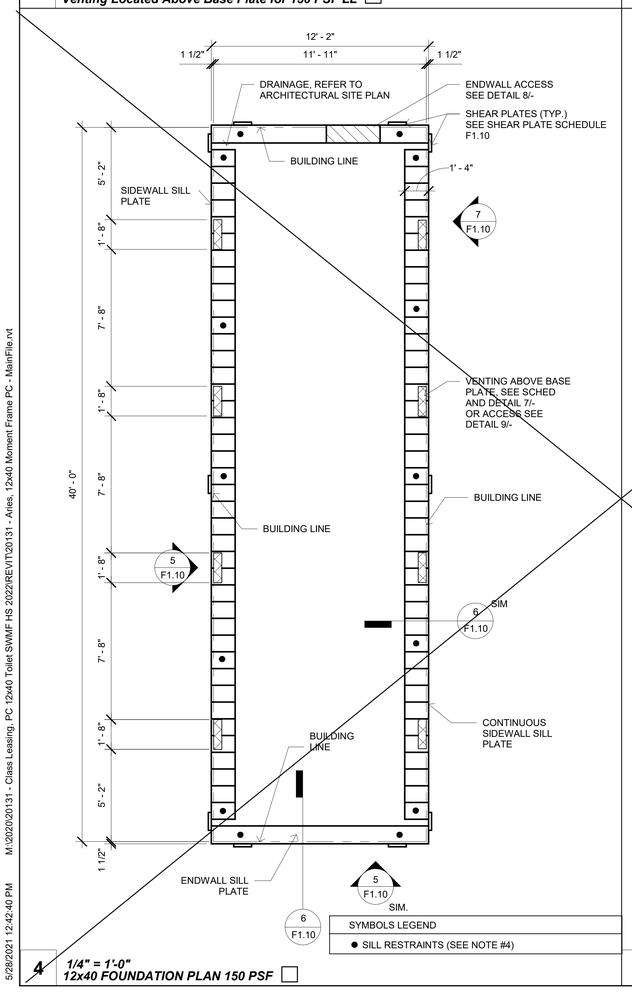
GENERAL VENT NOTES:
1) NUMBER OF VENTS TO BE DISTRIBUTED EVENLY AROUND FOUNDATION.
2) NO VENTS ALLOWED WITHIN 24" OF AN EXTERIOR CORNER.
3) INDIVIDUAL VENT LENGTH - 24" MIN. & 9'-3" MAX
4) WHERE MOISTURE DUE TO CLIMATE AND GROUNDWATER CONDITION IS NOT CONSIDERED EXCESSIVE, THE BUILDING OFFICIAL MAY ALLOW OPERABLE LOUVERS AND MAY ALLOW THE REQUIRED AREA OF VENT OPENINGS TO BE REDUCED TO 10% OF THE ABOVE, PROVIDED THE UNDER FLOOR GROUND SURFACE IS COVERED WITH AN APPROVED CLASS-1 VAPOR BARRIER.
5) THE ABOVE CALCULATION USES AN ASSUMED SCREEN FACTOR. VERIFY GRATE PERMEABILITY AND ACTUAL AVAILABLE SIZES AND NET AREA WITH MANUFACTURER DATA AND SUBMIT CUT SHEET FOR EOR/AOR APPROVAL
6) USE BRANDGUARD VENTS OR SIM IN WUI AREAS

WOOD FOUNDATION VENT NOTES:
1) WOOD FOUNDATION CONSTRUCTION IS ALLOWED FOR BUILDINGS WITH 2160 SF AND UNDER.
2) SILL PLATES SHALL BE OF FOUNDATION GRADE REDWOOD OR PRESERVATIVE PRESURE TREATED MATERIAL AND IS ALLOWED TO REST DIRECTLY ON SOIL OR PAVEMENT. MATERIALS ABOVE THE SILL PLATES ARE NOT CONTROLLED BY THIS REQUIREMENT.
3) VENTS THAT OCCUR INSIDE RAMP BOUNDARIES SHALL REQUIRE A VENT OF EQUAL SIZE AT RAMP SKIRTING.
4) TO PREVENT SLIDING; A 1 INCH G.S SCHEDULE 40 PIPE SHALL BE ATTACHED TO SILLPLATE AND ANCHORED INTO THE EARTH W/ 12" MIN EMBEDMENT (PROJECTED VERTICALLY) @ 10' O.C. AND SHALL BE LOCATED A MAXIMUM OF 2'-0" FROM CORNERS(MIN 2 PIPES PER SILL PLATE)
5) STACKED FOUNDATION MEMBERS SHALL BE FASTENED TO ONE ANOTHER W/ CORROSION RESISTANT NAILS.
6) WOOD FOUNDATION SHALL BE DESIGNED FOR AN ALLOWABLE BEARING PRESERVE OF 1,000 PSF IN ABSENSE OF A SOILS INVESTIGATION REPORT PROVIDED BY A LICENSED GEOTECHNICAL ENGINEER.
7) REFER TO ARCHITECT'S SITE PLAN FOR DRAINAGE.
8) THERE IS NO CONCRETE FLOOR FOR WOOD FOUNDATION OPTION, I.E., CONCRETE FLOOR LOAD IS INCLUDED IN THE CONCRETE FOUNDATION OPTION FOR FOUNDATION & ANCHORAGE DESIGN.

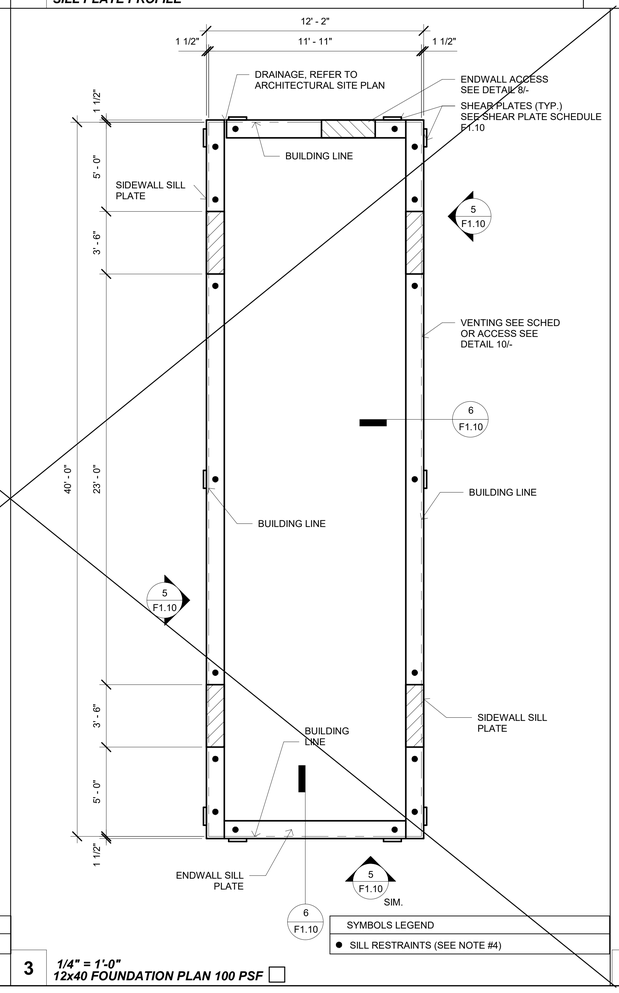
VAPOR BARRIER:
INSTALL AN APPROVED 6 MIL CONTINUOUS VAPOR BARRIER ON THE FLOOR GROUND SURFACE OF THE CRAWL SPACE AREA, AS BELOW: (OPTIONAL: COVER W/ 1" MIN. PEA GRAVEL FOR PROTECTION)

1) THE PERMEANCE OF THE VAPOR BARRIER SHALL NOT EXCEED 0.20 PERMS WHEN TESTED BY THE ASTM METHODS.
2) VAPOR BARRIER JOINTS SHALL BE LAPPED A MIN. OF 6 INCHES. SEALING AT JOINTS IS NOT REQUIRED. TURN-UP / OVERLAP THE VAPOR BARRIER 6 INCHES ON THE CONCRETE STEM WALLS AND APPLY CONSTRUCTION ADHESIVE TO KEEP IT IN PLACE. THE CONSTRUCTION ADHESIVE MUST BE COMPATIBLE WITH THE VAPOR BARRIER MATERIAL.
3) VAPOR BARRIERS SHOULD BE CAPABLE OF WITHSTANDING HANDLING AND CONSTRUCTION TRAFFIC WITHOUT PUNCTURE OR DISPLACEMENT.

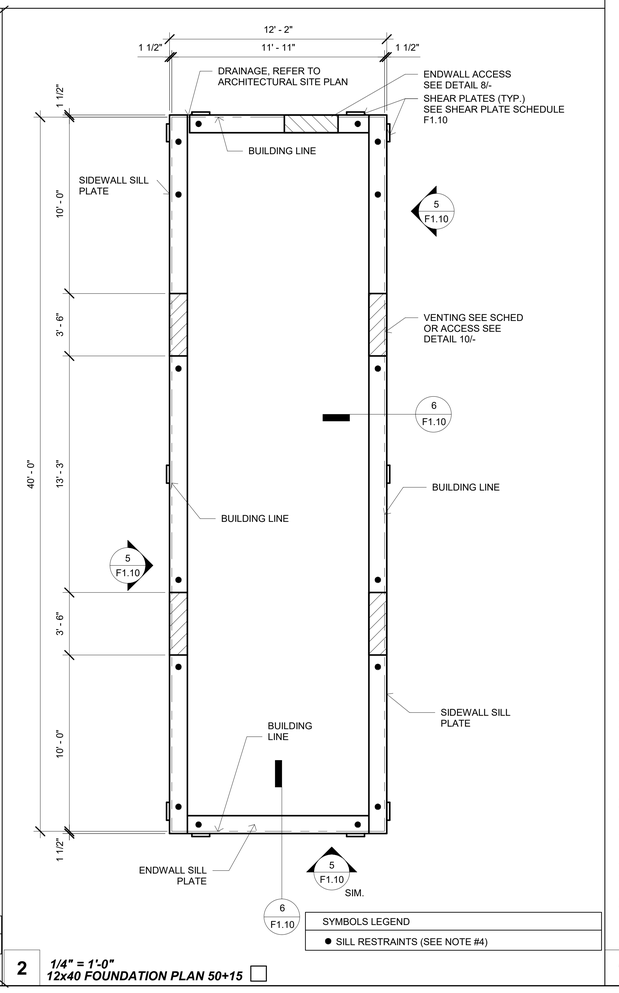
1 *1/4" = 1'-0"*
NOTES AND SCHEDULES FOR WOOD FOUNDATION



4 *1/4" = 1'-0"*
12x40 FOUNDATION PLAN 150 PSF ☐



3 *1/4" = 1'-0"*
12x40 FOUNDATION PLAN 100 PSF ☐



2 *1/4" = 1'-0"*
12x40 FOUNDATION PLAN 50+15 ☐

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125504 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/18/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN ✦ CONSULTING ✦ PROJECT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
REGISTERED PROFESSIONAL ENGINEER
ANTHONY D. FACTOR
No. S-53387
Exp. 03/31/24
STRUCTURAL
STATE OF CALIFORNIA
01/12/24

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CLIENT

Class Leasing
1651Juanita Street, San Jacinto, CA 92583
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ORIGINAL PC STATE AGENCY APPROVAL
APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-121371 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ SG ☑
DATE: 01/12/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123815 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 07/18/2024

PROJECT TITLE
12' x 40'
TOILET BUILDING PC
CBC 2022

SHEET TITLE
WOOD FOUNDATION PLAN

PROJECT NUMBER
22091

DRAWN BY
MJM

CHECKED BY
RH/rMc

DATE
10/31/2022

SHEET NO.
F1.10
SHEET OF SHEETS

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125504 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/18/2025

MODTECH
Manufacturing and Construction

MOBILE MODULAR
(6) 12'x40' MODEL "B" RESTROOMS
JOB #6176-B

PC -04-104800

MODULAR TOILET BUILDING
BUILDING SIZE: 12'x40' MODELS ~~A,B,C,D,E,F,G~~
~~12'x32' MODELS H,I~~
~~BUILDING G MULTI-PURPOSE~~
~~WITH 40 PSF SNOW LOAD OPTION~~
~~WITH MODCRETE SIDING OPTION~~

BUILDING DATA

STRUCTURAL DESIGN: ORDINARY MOMENT RESISTANT FRAME / SHEAR WALL

TYPE OF CONSTRUCTION: V-N

WIND LOAD (EXP C): ~~75 MPH OR~~ 80 MPH

SEISMIC ZONE 4, SEISMIC SOURCE TYPE A, DISTANCE ≤1.25 MILES
Z = .4 I = 1.0 Cv = 1.28 Nv = 2.0
R = 4.5 Ca = 0.66 Na = 1.5 SOIL TYPE = S_D

FLOOR LIVE LOAD: ~~50 PSF,~~ 50+20 PSF, ~~100 PSF, 125 PSF, STIFFENED~~

ROOF LIVE LOAD: 20 PSF (ALTERNATE 40 PSF SNOW LOAD/80C WIND)

OCCUPANCY: E-1

BUILDING AREA: 12'x40' BUILDING - 480 SF
~~12'x32' BUILDING - 384 SF~~

THIS PC IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM.

LEGEND

SYMBOL	DESCRIPTION
1 / –	DETAIL-1 ON SAME SHEET AS SYMBOL
1 / F2	DETAIL-1 ON SHEET F2.
A / S2	SECTION-A ON SHEET S2.
1	KEY NOTE (ON SAME SHEET AS SYMBOL)
1	REVISION IN DRAWING
CLOUD	HIGHLIGHTS REVISED AREA
2	DOOR REFERENCE
A	WINDOW REFERENCE
FIN	FINISH ITEM(S) SEE FINISH SCHEDULE, SHEET A5.01
STR	STRUCTURAL ITEM(S) SEE STRUCTURAL DRAWINGS
PLG	PLUMBING ITEM(S) SEE PLUMBING DRAWINGS
HV	HEATING, VENTILATING & AIR CONDITIONING ITEM(S) SEE MECHANICAL DRAWINGS
EL	ELECTRICAL ITEM(S) SEE ELECTRICAL DRAWINGS
RAMP	RAMP - SEE RAMP DRAWINGS

NOTES

1. All welds used in Primary members and connections in the Lateral Force-Resisting systems shall be made with a filler metal that has a minimum Charpy V-Notch toughness of 20 ft/lbs at minus 20 degrees F as determined by AWS classifications or manufacturer Certification.
2. DSA approved Specifications are a part of this contract document and shall be included with any applications.
3. As an alternate for all shot pin (ICBO 2388) attachments:
   #10 STMS at the same spacing for Max. 3/8" material
   #12 STMS at the same spacing for Max. 1/2" material
4. WITH REQUIRED AUTOMATIC SPRINKLER SYSTEM.

BUILDING CODES AND STANDARDS

2001 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)

2001 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1, 2, AND 3 (PART 2, TITLE 24, CCR)
(1997 EDITION UNIFORM BUILDING CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA ELECTRICAL CODE (CEC), (PART 3, TITLE 24, CCR)
(1999 EDITION NATIONAL ELECTRICAL CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA MECHANICAL CODE (CMC), (PART 4, TITLE 24, CCR)
(2000 EDITION IAPMO UNIFORM MECHANICAL CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA PLUMBING CODE (CPC), (PART 5, TITLE 24, CCR)
(2000 EDITION IAPMO UNIFORM PLUMBING CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)

2001 CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE (PART 7, TITLE 24, CCR)

2001 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)

2001 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)

NFPA 13, 1999 ED, THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS, AS AMENDED

NFPA 14, 2000 ED, INSTALLATION OF STANDPIPE, PRIVATE HYDRANT AND HOSE SYSTEMS

NFPA 24, 1995 ED, INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES

NFPA 72, 1999 ED, NATIONAL FIRE ALARM CODE, AS AMENDED

WITH THE SIGNING OF THESE DRAWINGS, WE ACKNOWLEDGE THAT WE HAVE REVIEWED THESE PLANS AND SPECIFICATIONS AND HAVE FOUND THEM TO BE IN GENERAL COMPLIANCE WITH THE BID DRAWINGS, SPECIFICATIONS AND ASSOCIATED ADDENDA. WHEN THESE PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY THE DIVISION OF THE STATE ARCHITECT. THEY SHALL PRESIDE OVER CONFLICTING AREAS IN THE BID DRAWINGS AND SPECIFICATIONS, AND ANY ADDENDA THERETO.

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~~A1.03 FLOOR PLAN - MODEL C~~
~~A1.04 FLOOR PLAN - MODEL D~~
~~A1.05 FLOOR PLAN - MODEL E~~
~~A1.06 FLOOR PLAN - MODEL F~~
~~A1.07 FLOOR PLAN - MODEL G~~
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~~A7.09 REFLECTED CEILING PLAN - MODEL I~~
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STRUCTURAL

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~~F2.11 FOUNDATION DETAILS - ABOVE GRADE CONCRETE~~

~~F3.01 FOUNDATION PLAN - BGG 50, 50+20, 100, 125 PSF~~
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~~S2.02 ROOF FRAMING PLAN - 26 GA/MONO PITCH~~
~~S2.11 ROOF FRAMING PLAN - 22 GA/DUAL PITCH~~
~~S2.12 ROOF FRAMING PLAN - 22 GA/MONO PITCH~~

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~~S3.02 STRUCTURAL FRAMING PLAN - 26 GA/MONO PITCH~~
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~~S3.12 STRUCTURAL FRAMING PLAN - 22 GA/MONO PITCH~~

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~~S4.311 WALL FRAMING - MODCRETE (OPTION B) - MODELS H & I~~
~~S4.32 WALL FRAMING DETAILS - MODCRETE (OPTION B)~~
~~S4.41 WALL FRAMING - MODCRETE (OPTION C) - MODELS A & D~~
~~S4.411 WALL FRAMING - MODCRETE (OPTION C) - MODELS H & I~~
~~S4.42 WALL FRAMING DETAILS - MODCRETE (OPTION C)~~

MECHANICAL

~~M1.01 MECHANICAL PLAN - MODEL G~~

ELECTRICAL

~~E1.01 ELECTRICAL PLAN - MODEL A~~
~~E1.02 ELECTRICAL PLAN - MODEL B~~
~~E1.03 ELECTRICAL PLAN - MODEL C~~
~~E1.04 ELECTRICAL PLAN - MODEL D~~
~~E1.05 ELECTRICAL PLAN - MODEL E~~
~~E1.06 ELECTRICAL PLAN - MODEL F~~
~~E1.07A ELECTRICAL PLAN - MODEL GA~~
~~E1.07B ELECTRICAL PLAN - MODEL GB~~
~~E1.08 ELECTRICAL PLAN - MODEL H~~
~~E1.09 ELECTRICAL PLAN - MODEL I~~

PLUMBING

~~P1.01 PLUMBING PLAN - WALL MOUNT - MODEL A~~
~~P1.02 PLUMBING PLAN - WALL MOUNT - MODEL B~~
~~P1.03 PLUMBING PLAN - WALL MOUNT - MODEL C~~
~~P1.04 PLUMBING PLAN - WALL MOUNT - MODEL D~~
~~P1.05 PLUMBING PLAN - WALL MOUNT - MODEL E~~
~~P1.06 PLUMBING PLAN - WALL MOUNT - MODEL F~~
~~P1.07 PLUMBING PLAN - WALL MOUNT - MODEL H~~
~~P1.08 PLUMBING PLAN - WALL MOUNT - MODEL I~~
~~P2.01 PLUMBING PLAN - FLOOR MOUNT - MODEL A~~
~~P2.02 PLUMBING PLAN - FLOOR MOUNT - MODEL B~~
~~P2.03 PLUMBING PLAN - FLOOR MOUNT - MODEL C~~
~~P2.04 PLUMBING PLAN - FLOOR MOUNT - MODEL D~~
~~P2.05 PLUMBING PLAN - FLOOR MOUNT - MODEL E~~
~~P2.06 PLUMBING PLAN - FLOOR MOUNT - MODEL F~~
~~P2.07 PLUMBING PLAN - FLOOR MOUNT - MODEL H~~
~~P2.08 PLUMBING PLAN - FLOOR MOUNT - MODEL I~~

RAMP

~~R1.01 4 FOOT RAMP/LANDING PLAN~~
~~R1.02 RAMP/STAIRS DETAILS~~

~~R2.01 OFFSET RAMP/LANDING PLAN~~
~~R2.02 OFFSET RAMP/STAIRS DETAILS~~

~~R3.01 FULL LENGTH RAMP/LANDING AND DETAILS~~
~~R4.01 CONCRETE RAMP/LANDING~~

ABBREVIATIONS

AGC	=	ABOVE GRADE CONCRETE
BGC	=	BELOW GRADE CONCRETE
CLR	=	CLEAR
DIA	=	DIAMETER
GA	=	GAUGE
ID	=	INSIDE DIAMETER, IDENTIFICATION
MAX	=	MAXIMUM
MIN	=	MINIMUM
MODCRETE	=	GLASS FIBER REINFORCED CONCRETE (GFRC)
NIC	=	NOT IN CONTRACT
NTS	=	NOT TO SCALE
OC	=	ON CENTER
OD	=	OUTSIDE DIAMETER
OSB	=	ORIENTED STRAND BOARD
ROH	=	ROOF OVERHANG
SHT	=	SHEET
SIM	=	SIMILAR
STS	=	SELF TAPPING SCREW
STSMS	=	SELF TAPPING SHEET METAL SCREW
TYP	=	TYPICAL
UON, UNO	=	UNLESS OTHERWISE NOTED
WIC	=	WOODWORK INSTITUTE OF CALIFORNIA

DGS State of California • Department of General Services • Arnold Schwarzenegger, Governor
DIVISION OF THE STATE ARCHITECT
Headquarters• 1130 K Street, Suite 101 • Sacramento, CA 95814 • (916) 445-8100

STRUCTURAL TESTS AND INSPECTIONS

Testing Laboratory: | Date: | File Number:
Name: | Application Number:
District / Owner:
Architect:
Structural Engineer:

The following tests and inspections, as checked, will be required as detailed in applicable specifications.

COMPACTED FILL	Concrete	Gunite	Grout	Mortar	
☐ Fill material, acceptance tests					Test of aggregates for mix design only
☐ Compaction control, continuous					Suitability tests of aggregates as detailed below
☐ Compaction tests only as ordered	X				Mix designs
☐ Bearing capacity of compacted fill					Continuous batch plant inspection
REINFORCING STEEL					Inspect placing
☐ Sample and test bar steel					Sample
☐ Sample and test mesh	X				Compression tests
☐ Inspect placing at job					Pick up samples at job
STRUCTURAL STEEL					Samples delivered to laboratory
☒ Sample and test as detailed below					Deliver sample forms to job site
☐ Shop fabrication inspection					Sample and test cement
☐ Field erection inspection					
☒ Inspection of welds - Shop					
☐ Inspection of welds - Field					
☐ Inspection of riveting or bolting - Shop					
☐ Inspection of riveting or bolting - Field					
☐ Sample and test high strength bolts and washers					
BRICK AND BLOCK					
☒ Sample and test					
☒ Test only					
☐ Inspection of placing					
☒ Core drill samples					
GLUED LAMINATED STRUCTURAL LUMBER					
☐ Fabrication inspection					
☐ Sample and test steel accessories					
☐ Inspect fabrication of steel accessories					

Suitability Tests	Concrete	Gunite	Grout	Mortar
☑ Sodium sulphate				
☐ Structural strength				
☑ Los Angeles tester				
☐ Clay (Hydrometer method)				
☑ Reactivity tests				
☐ Volume change				

Mix designs: Concrete, Gunite, Mortar, or Grout

Material	Maximum Size	Compressive Strength, PSI, Minimum					
CONCRETE	1"	3000 PSI					
LT. WT. CONC.	3/8"	3000 PSI					

List of structural steel members to be tested:
ALL STEEL NOT PROPERLY IDENTIFIED PER CBC CHAPTER 22 (MILLCERTS)

Is this list continued on reverse? ☐ YES ☐ NO

Other tests and inspections, together with special instructions:
GROUNDING
MODCRETE (GFRC) OPTION REQUIRES IN-OUT, GRAVITY AND SEISMIC ANCHOR TESTS - SEE 21/S4.22, OR 21/S4.32, OR 21/S4.42
Are these instructions continued on reverse? ☐ YES ☒ NO

Copies of reports to: AOR
By: _____ Authorized Representative

SSS 103-1 (Revised 6/99)

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FLS SS
DATE MAY 12 2005

LICENSED ARCHITECT FRED VINCENT MINASIAN No. C24828 Exp. 12-31-06 STATE OF CALIFORNIA

MAY 11 2005

REVIEWED: JLH
HCP: JARO ATAIYAN
SSS: C. STEELE
PC
CBC 2001

REVISIONS			
1	RJK	ADDED JOB SPECIFIC INFO	04/01/05
2			
3			
4			
5			

Electrical Engineer's Seal | Mechanical Engineer's Seal | PC Professional of Record Seal | Architects Seal

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MODTECH
Manufacturing and Construction
2830 BARRETT AVENUE
PERRIS, CALIF. 92571
PH (909) 943-4014
FAX (909) 657-9216

PROJECT NUMBER: **6176-B**

MOBILE MODULAR

12'x40' MODEL B TOILET BLDG

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DRAWN BY: RJK
DATE: 04/01/05
CHECKED BY:
DATE:

MODTECH Index No.

COVER SHEET

A0.01

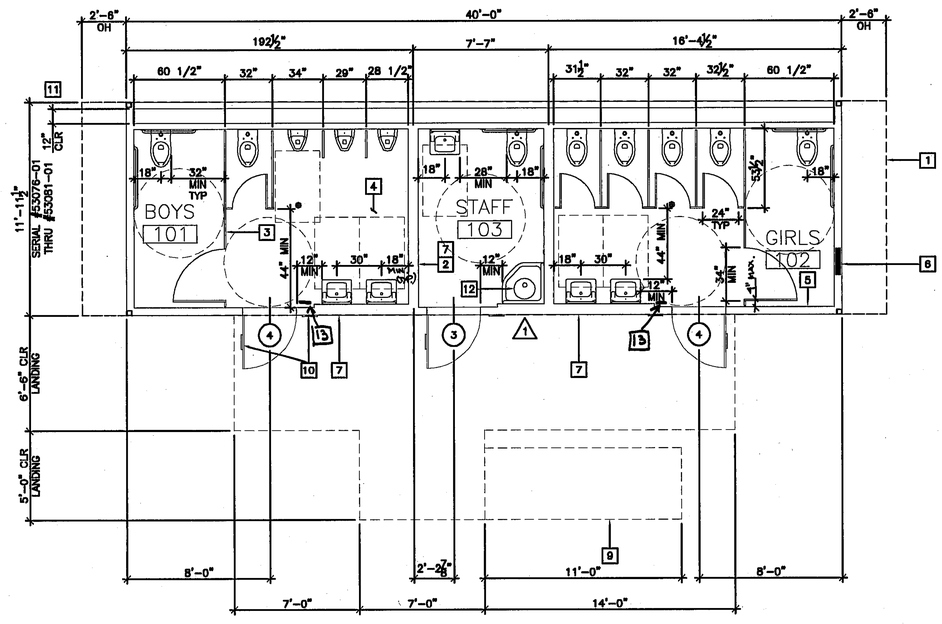
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REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/18/2025

REAR
3 A3.02



1 A3.02
FRONT

LEFT
2 A3.02

RIGHT
4 A3.02

KEY NOTES

1. ROOF OVERHANG
2. INTERIOR WALL
3. PRIVACY PARTITION
4. FINISH FLOORING (FIN)
5. INTERIOR FINISH (FIN)
6. ELECTRICAL PANEL (EL)
7. 2x6 WALL
8. TRAP PRIMER (PLG)
9. RAMP/LANDING (RAMP)
10. SIGNAGE PROVIDED AND INSTALLED BY DISTRICT PRIOR TO OCCUPANCY – 2,5/A5.01
11. WHEN FLOOR MOUNTED WATER CLOSETS ARE USED: REPLACE 10" CHASE WITH A 6" CHASE. (SEE 6/P2.02)
12. **WATER HEATER, 6 GAL. SEE DETAIL 16 AND 17/A6.01**
13. PROVIDE TACTILE EXIT SIGN

NOTES

1. PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE. (1) LABEL AT REAR EXTERIOR AND (1) LABEL ABOVE CEILING LINE AT INTERIOR FRAME. LABELS WILL BE MECHANICALLY FASTENED AND SHOW DSA APPLICATION NUMBER, MANUFACTURER'S NAME AND SERIAL NUMBER, DESIGN LIVE LOAD FOR ROOF AND FLOOR FRAMING, AND WIND SPEED/EXPOSURE CATEGORY.
2. INSULATION MATERIALS INSTALLED WITHIN FLOOR/CEILING ASSEMBLIES, ROOF–CEILING ASSEMBLIES, WALLS, CRAWL SPACES OR ATTICS SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450. EXCEPTIONS:

   (1) FOAM PLASTIC INSULATION SHALL COMPLY WITH SECTION 2602

   (2) WHEN MATERIALS ARE INSTALLED IN CONCEALED SPACES OF TYPES III, IV, AND V CONSTRUCTION, THE FLAME SPREAD AND SMOKE–DEVELOPED LIMITATIONS DO NOT APPLY TO FACINGS IF THE FACING IS INSTALLED IN SUBSTANTIAL CONTACT WITH THE UNEXPOSED SURFACE OF THE CEILING, FLOOR OR WALL FINISH (CBC SECTION 707.3)

   (3) CELLULOSE LOOSE FILL INSULATION SHALL COMPLY WITH CPSC 16 CFR PARTS 1209 AND 1404
3. ACCESSIBLE CLEARANCE NOTES:

   1.) 30"X48"

   2.) 60" MIN. DIA.
4. PROVIDE 90° HINGE STOP FOR ALL DOORS.

INSULATION

1

ROOF
~~CEILING INSULATION:~~ R–19
FLOOR ~~INSULATION:~~ R–11
WALL ~~INSULATION: R–11~~
(EXT) R–13
WALL (INT): R–11

(6) BLDG'S AS SHOWN
(3) RAMPS AS SHOWN
(3) RAMPS OPPOSITE HAND

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PC
~~CBC 2001~~

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FLOOR PLAN

MODEL "B"
SCALE: 1/4" = 1'–0"

REVISIONS			
1	RJK	CHANGED TO FLOOR SINK, ADDED WATER HEATER, CHANGES TO INSULATION	03/31/05
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

RC Professional of Record Seal
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JUL 27 2004

Architects Seal

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FAX (909) 940–0427

PROJECT NUMBER: 6176–B
MOBILE MODULAR
12'x40' MODEL B TOILET BLDG

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FLOOR PLAN MODEL "B"

A1.02

FILE PATH: 1240–A1–02.dwg

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DOOR SCHEDULE 6

DOOR NUMBER	DOOR TYPE	QUANTITY	FRAME OPENING WIDTH	FRAME OPENING HEIGHT	DOOR MATERIAL	FIRE RATING	HARDWARE SET NO.	FRAME MATERIAL	JAMB THROAT	REMARKS
~~1~~	~~A~~	~~—~~	~~3'-0"~~	~~7'-0"~~	~~HM~~	~~—~~	~~1~~	~~HM~~	~~5-1/8"~~	~~CLASSROOM/MULTI-PURPOSE ROOM EXTERIOR DOOR~~
~~2~~	~~B~~	~~—~~	~~2'-0"~~	~~7'-0"~~	~~HM~~	~~—~~	~~9~~	~~HM~~	~~5-1/8"~~	~~CHASE EXTERIOR DOOR~~
3	C	1	3'-0"	7'-0"	HM		9	HM	5-1/8"	TOILET EXTERIOR DOOR WITH LOUVERS/STAFF
4	C	2	3'-0"	7'-0"	HM		1	HM	5-1/8"	TOILET EXTERIOR DOOR WITH LOUVERS/BOYS AND GIRLS

AL – ALUMINUM
HC – HOLLOW CORE WOOD
HM – HOLLOW METAL – PRESSED STEEL KD TYPE – TO BE PRESSED STEEL WELDED IF PLASTER SIDING IS USED
SC – SOLID CORE WOOD
SCL – SOLID CORE WOOD LEGACY
SST – STAINLESS STEEL
STL – STEEL FRAME. 16 GA FULLY WELDED, GALV AT EXTERIOR, REPUBLIC "ME" SERIES. PAINT TO MATCH TRIM.
WWF – WINDOW WALL FRAME

WINDOW SCHEDULE 3

WINDOW NUMBER	WINDOW TYPE	QUANTITY	FRAME OPENING WIDTH	FRAME OPENING HEIGHT	FINISH	REMARKS
A	1		8'-0"	4'-0"	ANODIZED	SEE NOTE #1

WINDOW NOTES

1. ANODIZED ALUMINUM, GLAZING, 7/32" MIN. TEMPERED GLASS OF SOLAR GRAY WITH A LIGHT TRANSMISSION FACTOR OF 46%, ALL OPERABLE SASH SHALL HAVE SCREENS.
2. OPTIONAL DUAL PANE.
3. TYPE 4 FIXED OBSCURE GLASS.

ROOM FINISH SCHEDULE 1

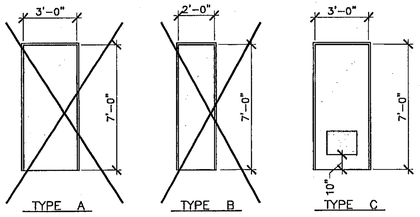
ROOM NUMBER	ROOM NAME	FINISHES FLOOR	FINISHES BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CEILING	CEILING HEIGHT	REMARKS
101	TOILET ROOM BOYS OPT A–F, H	B	F	N	N	N	N	R	8'-0"	
~~101~~	~~MULTI-PURPOSE OPT G~~	~~B~~	~~D~~	~~G~~	~~G~~	~~G~~	~~G~~	~~R~~	~~8'-0"~~	
~~101~~	~~TOILET ROOM GIRLS OPT I~~	~~B~~	~~F~~	~~N~~	~~N~~	~~N~~	~~N~~	~~R~~	~~8'-0"~~	
102	TOILET ROOM GIRLS OPT A–F, H	B	F	N	N	N	N	R	8'-0"	
103	TOILET ROOM STAFF OPT B, ~~C, E, F~~	B	F	N	N	N	N	R	8'-0"	
103	CHASE	P	P	P	P	P	P	P	–	
~~104~~	~~TOILET ROOM STAFF OPT C, F~~	~~B~~	~~F~~	~~N~~	~~N~~	~~N~~	~~N~~	~~R~~	~~8'-0"~~	
~~104~~	~~CHASE~~	~~P~~	~~P~~	~~P~~	~~P~~	~~P~~	~~P~~	~~P~~	~~—~~	
~~105~~	~~CHASE~~	~~P~~	~~P~~	~~P~~	~~P~~	~~P~~	~~P~~	~~P~~	~~—~~	

A – CARPET PER STATE OF CALIF SPEC COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, DENSITY 4600, DIRECT GLUE DOWN .
B – VINYL SHEET FLOORING
C – VCT. ARMSTRONG STANDARD OR EXCELON
D – TOP SET BASE – 4"
E – TOP SET BASE – 6"
F – SELF COVE BASE – 6"
G – 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYP BOARD BACKING. FLAME SPREAD NOT TO EXCEED 65. SMOKE DENSITY RATING OF 175.
H – 1/8" MARLITE OVER 1/2" GYP BOARD OR 3/8" MARLITE FLAME SPREAD CLASS 3
J – 1/2" WR GYP BOARD, TAPE, TEXTURE, PAINTED FINISH
K – 3/8" WR GYP BOARD, TAPE, TEXTURE, PAINTED FINISH
L – 1/2" GYP BOARD, TAPE, TEXTURE, PAINTED FINISH
M – 3/8" GYP BOARD, TAPE, TEXTURE, PAINTED FINISH
N – 3/32" FRP OVER 1/2" WR GYP BOARD. CLASS "A" FLAMESPREAD NOT TO EXCEED 25. SMOKE DEVELOPED NOT TO EXCEED 450
P – NO FINISH
Q – ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATIONS)
R – 1/2" GYP BD PANELS (PAINTED) IN CEILING GRID
S – 1/4" TILE OVER 1/2" CEMENT FIBERBOARD

FINISH NOTES

1. ALL FINISHES SHALL COMPLY WITH CBC CHAPTERS 3, 6, 7, 8 AND 10 AND CFC AND TITLE 19 CCR
2. PREPARATION FOR SUB FLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR. PLYWOOD SUB FLOOR IS 2.4.1 PLYWOOD. OUTER PLYWOOD IS PLUGGED AND TOUCH SANDED, ANY DEFORMITIES DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR. THE JOINT AT THE MODULE JOINING SHALL NOT BE LARGER THAN 1/8" AND SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR.

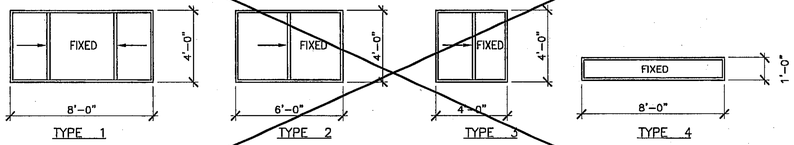
DOOR ELEVATIONS 7



DOOR NOTES

1. DOOR HANDLES FOR LOCKSETS AND PANIC HARDWARE TO BE CENTERED AT 40" AFF AND DEAD BOLTS AT 44" AFF. HARDWARE TO BE OPENABLE FROM THE INSIDE WITHOUT ANY SPECIAL KNOWLEDGE OR EFFORT, LEVERS TO RETURN TO WITHIN 1/2" OF DOOR.
2. ALL DOORS SHALL BE 1 3/4" THICK UON. DOUBLE LETTERS FOR DOOR TYPE IN SCHEDULE INDICATES A PAIR OF DOORS.
3. CLOSURE SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 5 LBS AT EXTERIOR DOORS AND 5.0 LBS AT INTERIOR DOORS.
4. PLACE SIGN OVER EXIT DOOR: "THESE DOORS TO REMAIN UNLOCKED DURING BUSINESS HOURS".
5. SIGNAGE IS NOT IN MODTECH CONTRACT.

WINDOW ELEVATIONS 4



HARDWARE SCHEDULE 8

HARDWARE SET #1 (EXTERIOR)
LOCKSET – SCHLAGE D70PD, RHODES LEVER, OR EQUAL
BUTTS – 1 1/2 PAIR HAGER BB1191 4 1/2"x4 1/2" NRP 26D OR EQUAL.
CLOSER – NORTON 8501 BFDP OR EQUAL.
THRESHOLD – PEMCO 271A OR EQUAL.
~~DOOR BOTTOM – PEMCO 216AV OR EQUAL.~~
~~WEATHER-STRIP – PEMCO 2891AV OR EQUAL.~~

HARDWARE SET #2 (INTERIOR PASSAGE)
LOCKSET – SCHLAGE D10S WITH RHODES LEVER, OR EQUAL
BUTTS – 1 1/2 PAIR HAGER BB1279 4 1/2"x4 1/2" OR EQUAL.

HARDWARE SET #3 (EXTERIOR)
LOCKSET – SCHLAGE D70PD, RHODES LEVER, OR EQUAL
BUTTS – 1 1/2 PAIR HAGER BB1191 4 1/2"x4 1/2" NRP 26D OR EQUAL.
THRESHOLD – PEMCO 271A OR EQUAL.
DOOR BOTTOM – PEMCO 216AV OR EQUAL.
WEATHER-STRIP – PEMCO 2891AV OR EQUAL.

HARDWARE SET #4 (INTERIOR DOUBLE LOCKABLE)
LOCKSET – SCHLAGE D66PD, WITH RHODES LEVER OR EQUAL
BUTTS – 1 1/2 PAIR HAGER BB1279 4 1/2"x4 1/2" 26D OR EQUAL.

HARDWARE SET #5 (INTERIOR TOILET ROOM/PRIVACY)
LOCKSET – SCHLAGE D40S OR EQUAL
BUTTS – 1 1/2 PAIR HAGER BB1279 4 1/2"x4 1/2" 26D OR EQUAL.

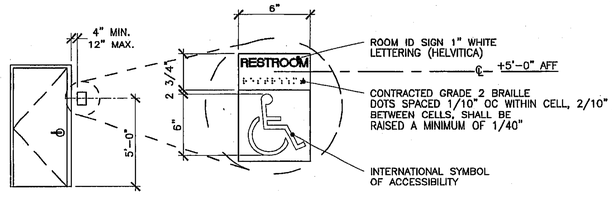
HARDWARE SET #6 (INTERIOR STOREROOM)
LOCKSET – SCHLAGE D80PD WITH RHODES LEVER OR EQUAL
BUTTS – 1 1/2 PAIR HAGER BB1279 4 1/2"x4 1/2" 26D OR EQUAL.

HARDWARE SET #7 (PANIC)
LOCKSET – VON DUPRIN 99L PANIC HARDWARE WITH TRIM OR EQUAL
BUTTS – 1 1/2 PAIR HAGER BB1279 4 1/2"x4 1/2" NRP 26D OR EQUAL.
CLOSER – NORTON 8501 BFDP OR EQUAL.
THRESHOLD – PEMCO 271A OR EQUAL.
DOOR BOTTOM – PEMCO 216AV OR EQUAL.
WEATHER-STRIP – PEMCO 2891AV OR EQUAL.
DOOR PULL – TO BE DETERMINED...

HARDWARE SET #8 (INTERIOR RATED)
LOCKSET – SCHLAGE D80PD WITH RHODES LEVER OR EQUAL
BUTTS – 1 1/2 PAIR HAGER BB1279 4 1/2"x4 1/2" 26D OR EQUAL.
CLOSER – NORTON 8501 BFDP OR EQUAL.
SMOKE SEAL – PEMCO S-88 306B SMOKE SEAL OR EQUAL.

HARDWARE SET #9 (EXTERIOR NO CLOSER)
LOCKSET – SCHLAGE D70PD WITH RHODES LEVER OR EQUAL
BUTTS – 1 1/2 PAIR HAGER BB1191 4 1/2"x4 1/2" NRP 26D OR EQUAL.
~~DOOR BOTTOM – PEMCO 216AV OR EQUAL.~~
~~WEATHER-STRIP – PEMCO 2891AV OR EQUAL.~~
NO CLOSER PERMITTED

ACCESSIBILITY SIGNAGE (BY DISTRICT) 5



ENTRY DOOR FROM EXTERIOR VIEW

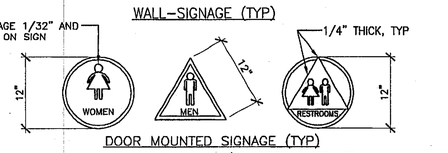
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TOILET ROOM SIGNAGE (BY DISTRICT) SEE ARCHITECTURAL DWGS. 2



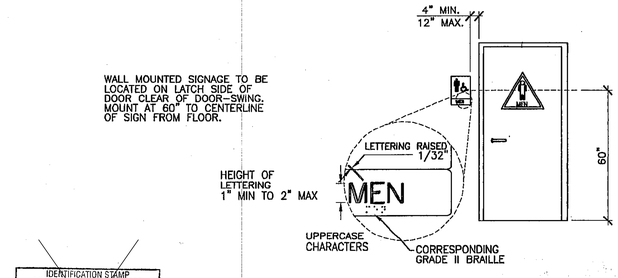
CORRESPONDING GRADE II BRAILLE TYPICAL

WALL-SIGNAGE (TYP)



DOOR MOUNTED SIGNAGE (TYP)

NOTE: PICTOGRAMS AND/OR LETTERING ARE NOT REQUIRED ON DOOR-MOUNTED SIGNAGE. ALL CIRCLES AND TRIANGLES ARE 1/4" THICK.



IDENTIFICATION SYMBOLS FOR SANITARY FACILITIES

INTERNATIONAL SYMBOL OF ACCESS (WHEEL CHAIR SYMBOL) REQUIRED DOOR OR AT STRIKE SIDE ROOM IDENTIFICATION

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AC FLS SS
DATE MAY 12 2006

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1					LICENSED ARCHITECT FRED VINCENT PALLA No. C24828 Exp. 12-31-05 STATE OF CALIFORNIA JUL 27 2004		IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC-04 104800 AC FLS SS DATE 5/16/04
2							
3							
4							
5							

MODTECH
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PROJECT NUMBER: 6176-B
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12'x40' MODEL B TOILET BLDG

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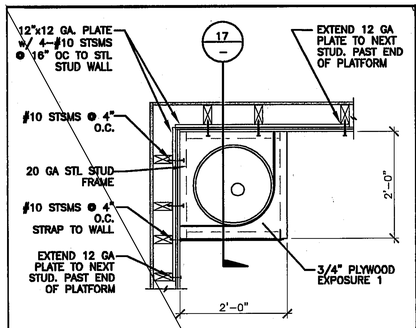
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DATE:
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SCHEDULES

A5.01

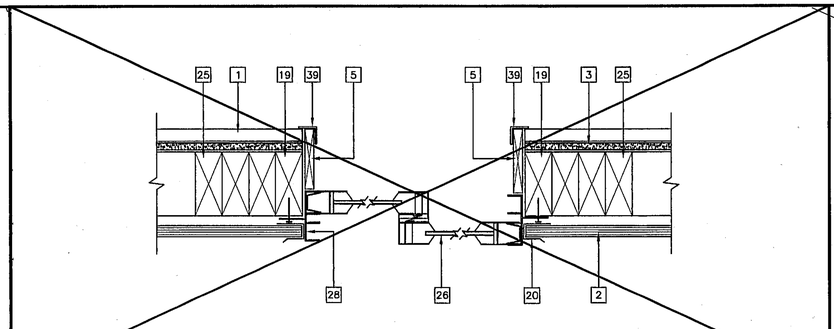
PROJECT NO. 6176-B
PC-04-104800

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APP: 03-125504 INC:
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DATE: 09/18/2025



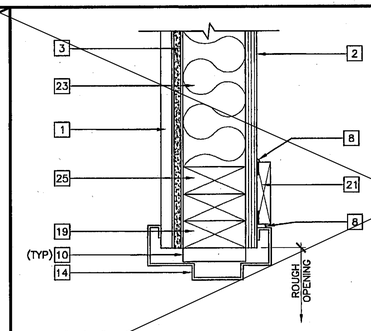
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WATER HEATER PLAN VIEW | 16



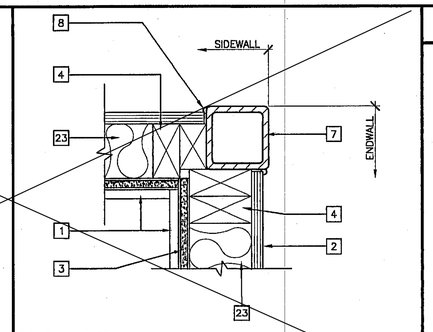
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WINDOWS SECTION AT JAMBS | 9



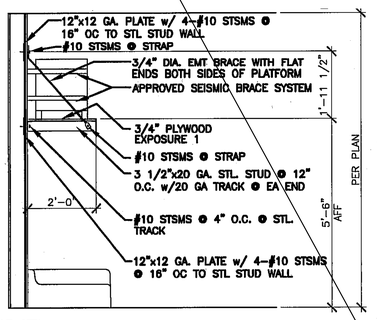
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EXTERIOR DOOR JAMB | 5



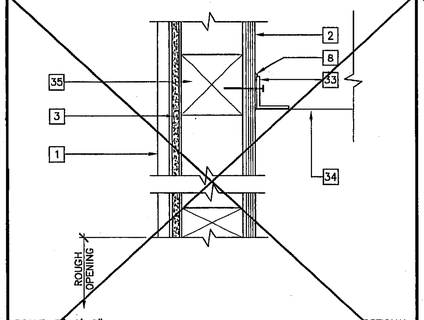
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COLUMN AT CORNER | 1



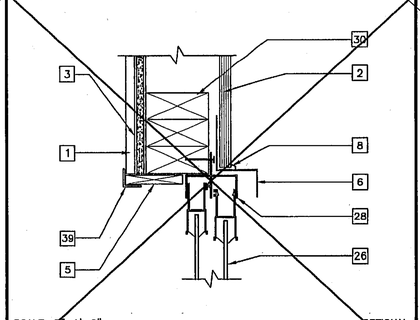
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WATER HEATER ELEVATION | 17



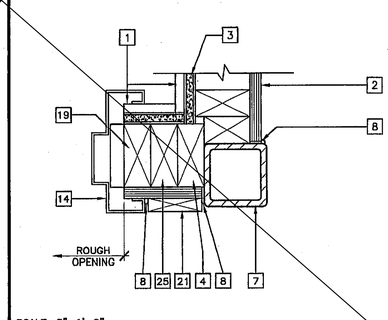
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HVAC MOUNT AT JAMBS | 13



SCALE: 3"=1'-0" OPTIONAL

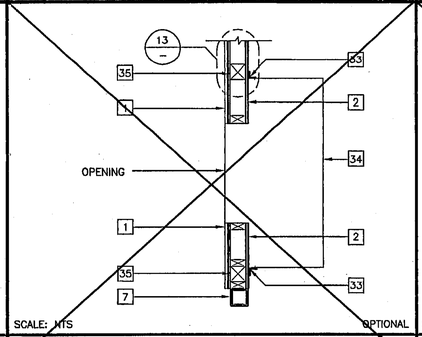
WINDOW HEADER | 10



SCALE: 3"=1'-0"

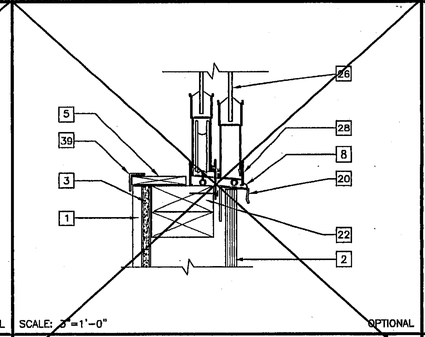
EXTERIOR DOOR JAMB | 6

NOT USED | 2



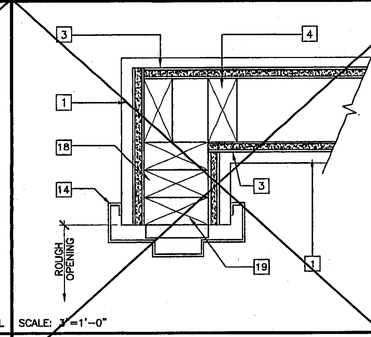
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HVAC UNIT (PLAN) | 18



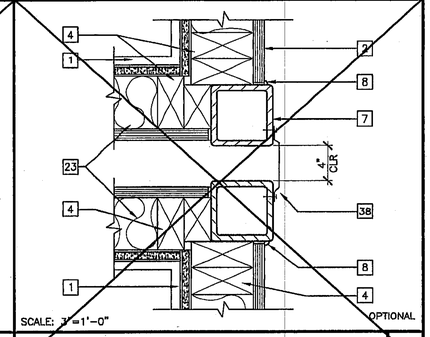
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SILL PLATE | 14



SCALE: 3"=1'-0"

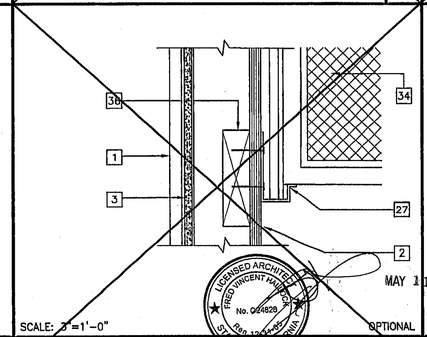
INTERIOR DOOR JAMBS | 11



SCALE: 3"=1'-0" OPTIONAL

CLOSURE BETWEEN BUILDINGS | 7

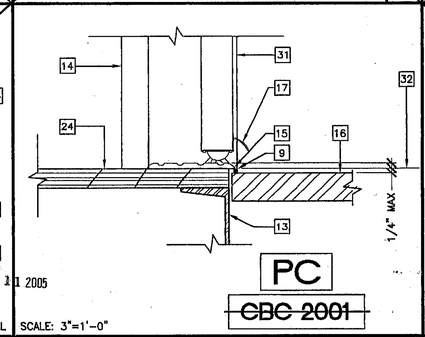
CLOSURE SCREEN | 38



MAY 11 2005

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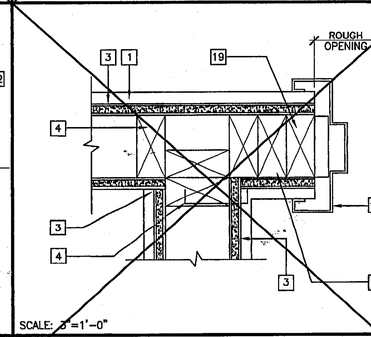
HVAC UNIT AT BOTTOM | 19



PC
CBC 2001

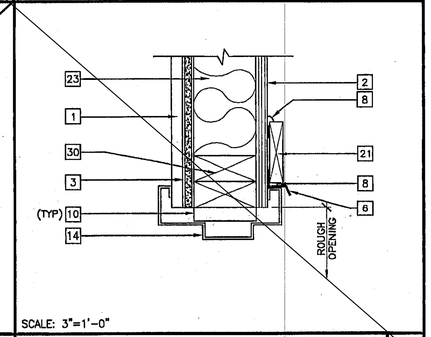
SCALE: 3"=1'-0"

THRESHOLD | 15



SCALE: 3"=1'-0"

INTERIOR DOOR JAMBS | 12



SCALE: 3"=1'-0"

EXTERIOR DOOR HEADER | 8

KEY NOTES

1. TYPICAL INTERIOR FINISH (FIN) – 1/A5.01
2. TYPICAL EXTERIOR FINISH (SEE EXTERIOR ELEVATIONS – A3)
3. 1/2" GYPSUM BOARD BACKING WITH 7d COOLER NAILS AT MAX 7" OC TYPICAL AT EACH STUD
4. 2"x4" STUD TYPICAL
5. INTERIOR WOOD TRIM
6. 26 GA DRIP FLASHING
7. STEEL COLUMN (STR)
8. SEALANT (TYPICAL, SEE SPECS.)
9. CAULKING
10. DOOR FRAME CLIPS – 3 PER SIDE, 2 PER HEADER (8) TOTAL)
11. MODLINE (M)
12. NOT USED
13. FLOOR BEAM (STR)
14. PRESSED STEEL FRAME – 3,6/A5.01
15. ALUMINUM THRESHOLD – 1/4" WITH 2:1 BEVEL – 8/A5.01
16. FINISH LANDING
17. DOOR BOTTOM – 8/A5.01
18. (2) 2"x4" KING STUD – 13/S4.02
19. 2"x4" TRIMMER STUD – 13/S4.02
20. 26 GA 'J' MOLD
21. 1"x4" WOOD TRIM WITH 8d ELECTRO GALVANIZED AT 12" OC
22. SILL PLATE – 13/S4.02
23. INSULATION (SEE SPECS. FOR SIZE AND TYPE)
24. FINISH FLOORING – 1/A5.01
25. 2"x4" FULL HEIGHT JAMB STUDS – 13/S4.02
26. WINDOW GLAZING – 3/A5.01
27. HVAC UNIT BOTTOM SEAT 12 GAx24" LONG WITH (6) 3/8" DIAx2" LAG BOLTS
28. ALUMINUM NAIL ON WINDOW FRAME. INSTALL WITH 8d BOX ELECTRO GALVANIZED NAILS AT 24" OC MAXIMUM WITH MINIMUM 3" BUILDING PAPER BETWEEN FRAME AND WALL.
29. NOT USED
30. HEADER – 5/S4.02
31. DOOR – 6/A5.01
32. FINISHED FLOOR LINE
33. HVAC SIDE BRACKET (FURNISHED WITH UNIT) ATTACH TO WALL WITH 3/8"x2" LAG SCREWS
34. HVAC UNIT (HV)
35. 4"x4" POST OR ALTERNATE – (2) 2"x4" FULL HEIGHT STUDS WITH 1/2" PLYWOOD SPACER STITCH NAILED WITH 16d AT 12" OC STAGGERED
36. 2"x6" LET-IN – S4.01
37. NOT USED
38. CLOSURE SCREEN
39. CORNER MOLDING

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FILE PATH: 1240-A6-01.dwg

REVISIONS			
1	RJK	ADDED JOB SPECIFIC INFO	04/01/05
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal

LICENSED ARCHITECT REID VINCENT HARRISON No. 024828 REN 12-31-05 STATE OF CALIFORNIA

JUL 27 2004

Architects Seal

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MODTECH
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2830 BARRETT AVENUE
PERRIS, CALIF. 92571
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: **6176-B**

MOBILE MODULAR

12'x40' MODEL B TOILET BLDG

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DATE: 04/01/05
CHECKED BY:
DATE:

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ARCHITECTURAL DETAILS WOOD STUDS

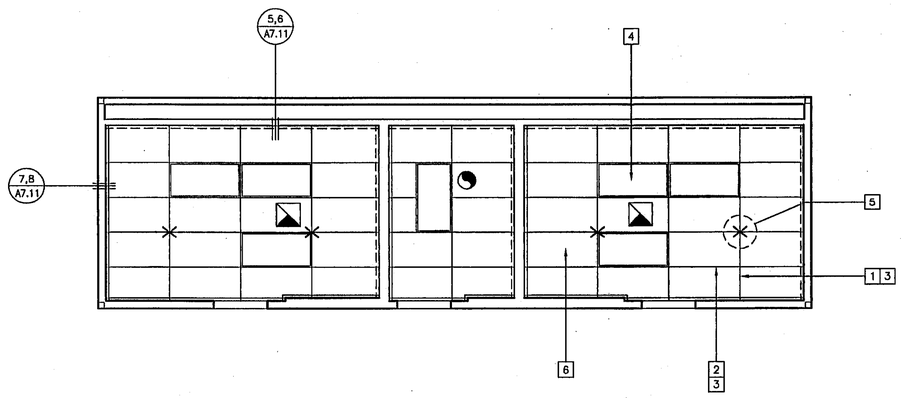
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REAR



LEFT

RIGHT

FRONT

KEY NOTES

1. MAIN RUNNERS AT 4'-0" OC WITH 12 GA HANGER WIRES AT END OF EACH RUNNER
2. CROSS TEE AT 2'-0" OC
3. T-BAR PART NUMBERS

	ARMSTRONG PA-041	CHICAGO METALLIC PA-026	USG PA-030
RUNNER MAIN	7301	200	DS 26
4' CROSS TEE	7342	1210	DX 422
2' CROSS TEE	7328	1226	DX 216
WALL ANGLE	7800	1420-01	M-7

4. LIGHT FIXTURE, RECESSED, 2'x4' TYPICAL – 11/A7.11
5. 4 WAY SPLAY AT LOCATIONS INDICATED, WIRES TAUT BUT NOT TO DISTORT GRID – 1/A7.11
6. **CEILING PANELS: 2'x4' PAINTED GYPSUM CEILING TILES.**

1

NOTES

1. AT THE END OF ROWS OF RUNNERS A 12 GA HANGER WIRE SHALL BE ATTACHED WITHIN 8" OF WALL OR SOFFIT.
2. VERTICAL WIRES MORE THAN 1-IN-6 OUT OF PLUMB SHALL HAVE COUNTER BRACING WIRES.
3. RUNNERS MAY BE ATTACHED TO WALLS OR MOLD AT (2) ADJACENT WALLS – OTHER WALLS NO ATTACHMENT. CLEARANCE OF 1/2" BETWEEN END OF RUNNERS AND FACE OF WALL.
4. DUCTWORK SHALL BE RIGIDLY ATTACHED TO BUILDING AND SHALL NOT BE CLOSER THAN 6" TO HANGER WIRES.

LEGEND

- T & T BAR CEILING
- 2'X 4' ELEC. FIXTURE RECESSED
- SPLAY WIRE
- INDICATES FIXED SIDE 7/A7.11
- INDICATES FREE SIDE 6/A7.11
- EXHAUST VENT (EL)
- EXHAUST VENT (EL)

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REFLECTED CEILING PLAN

MODEL "B"

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

REVISIONS			
1	RJK	ADDED JOB SPECIFIC INFO	04/01/05
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12'x40' MODEL B TOILET BLDG

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REFLECTED CEILING PLAN MODEL "B"

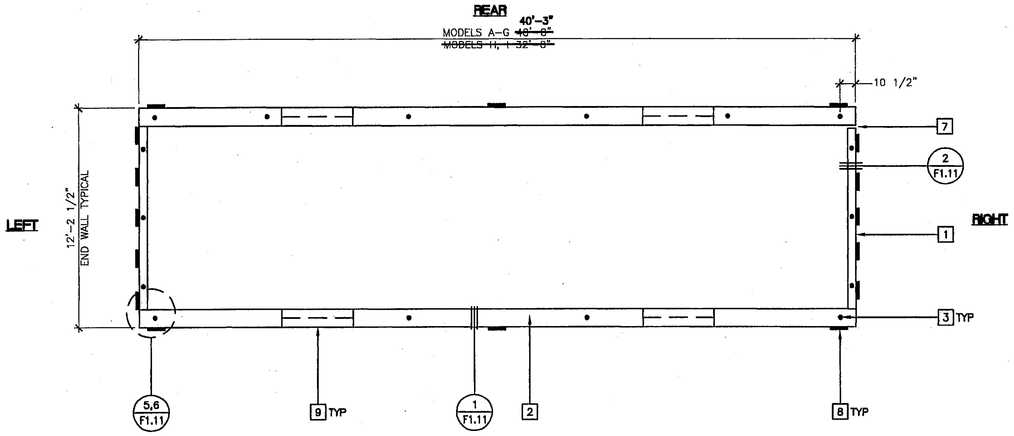
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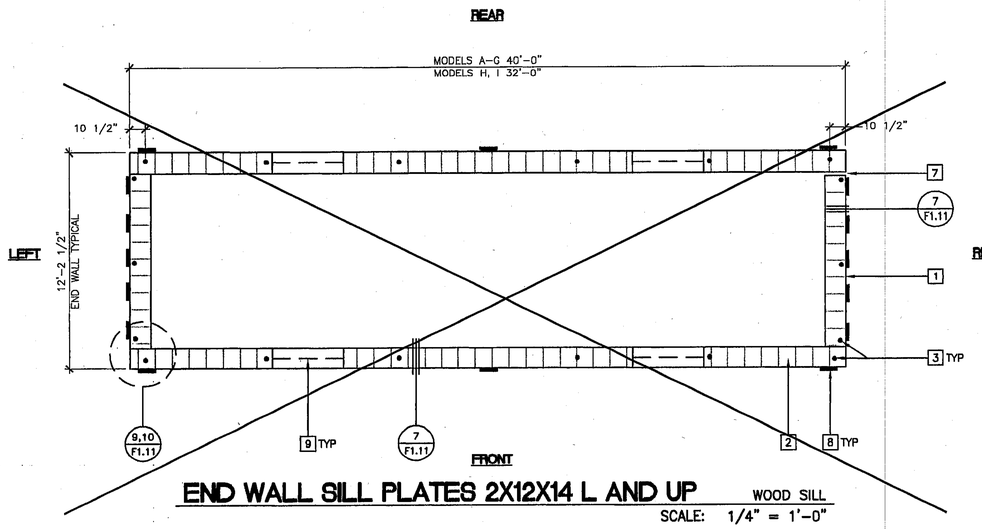
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SIDE WALL SILL PLATES UP TO 2X12 CONT.

WOOD SILL

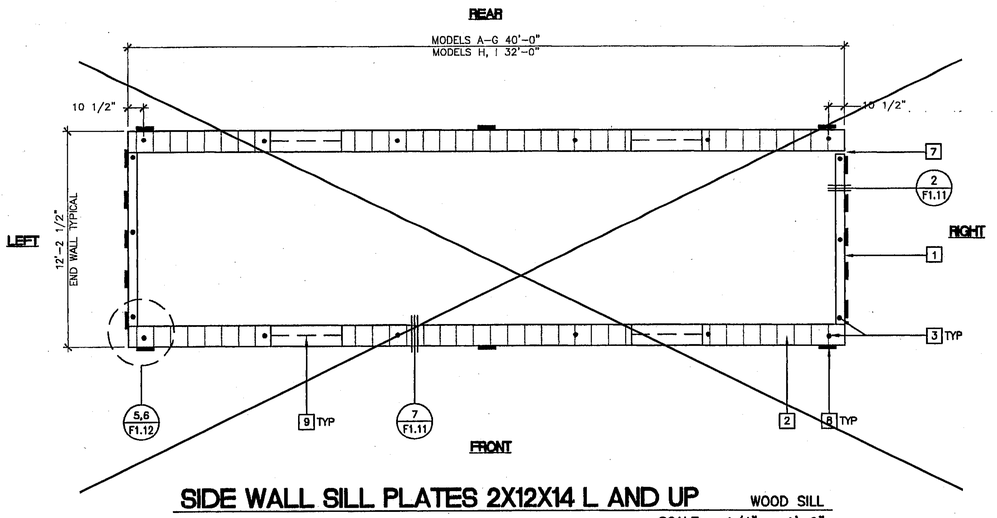
SCALE: 1/4" = 1'–0"



END WALL SILL PLATES 2X12X14 L AND UP

WOOD SILL

SCALE: 1/4" = 1'–0"



SIDE WALL SILL PLATES 2X12X14 L AND UP

WOOD SILL

SCALE: 1/4" = 1'–0"

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MAY 11 2005

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KEY NOTES

1. FOUNDATION AT END WALL (SEE FOUNDATION PLATE SCHEDULE)
2. FOUNDATION AT SIDE WALL (SEE FOUNDATION PLATE SCHEDULE)
3. SILL RESTRAINT – SEE NOTE #1
4. 5/8"ø x 4" LAGS
5. FOUNDATION PAD AT 4" SEPARATION AT END WALL
6. FOUNDATION PAD AT 4" SEPARATION AT INTERIOR WALL
7. 2" CUTOUT OF SILL PLATE FOR DRAINAGE. FIELD TO LOCATE AT LOWEST CORNER OF FOUNDATION.
8. TIE PLATE – 5 AT EACH END WALL AND 3 AT EACH SIDE WALL. TOTAL 16 PLATES FOR 12'x40' BUILDING – 5, 6/F1.11
9. FOUNDATION VENT (FOR VENTS THAT OCCUR UNDER LANDINGS PROVIDE EQUAL AREA SCREENED VENT IN LANDING SKIRT)

FOUNDATION SCHEDULE

STANDARD		50 PSF	50+20 PSF	100 PSF
END WALL WOOD FLOOR	SILL	2x6	2x6	2x6
	BLOCKING	2x6	2x6	2x6
	TOP PLATE	2x4	2x4	2x4
SIDE WALL WOOD FLOOR	SILL	2x12	2x12	2x12
	BLOCKING	2x10	2x10	2x10
	TOP PLATE	2x8	2x8	2x8
~~SNOW LOAD~~		~~50 PSF SL~~	~~50+20 PSF SL~~	~~100 PSF SL~~
END WALL WOOD FLOOR	SILL	2x8	2x8	2x10
	BLOCKING	2x6	2x6	2x8
	TOP PLATE	2x4	2x4	2x6
SIDE WALL WOOD FLOOR	SILL	2x12	2x12	2x14
	BLOCKING	2x10	2x10	2x12
	TOP PLATE	2x8	2x8	2x10
~~STANDARD~~		~~50 PSF~~	~~50+20 PSF~~	~~100 PSF~~
END WALL CONCRETE FLOOR	SILL	2x10	2x12	2x14
	BLOCKING	2x8	2x10	2x12
	TOP PLATE	2x4	2x8	2x10
SIDE WALL CONCRETE FLOOR	SILL	2x12	2x14	2x16
	BLOCKING	2x10	2x12	2x12
	TOP PLATE	2x8	2x10	2x10
~~SNOW LOAD~~		~~50 PSF SL~~	~~50+20 PSF SL~~	~~100 PSF SL~~
END WALL CONCRETE FLOOR	SILL	2x10	2x12	2x14
	BLOCKING	2x8	2x10	2x12
	TOP PLATE	2x4	2x8	2x10
SIDE WALL CONCRETE FLOOR	SILL	2x12	2x14	2x16
	BLOCKING	2x10	2x12	2x12
	TOP PLATE	2x8	2x10	2x10

VENT CALCULATIONS			
	50 PSF	~~50+20 PSF~~	~~100 PSF~~
MAX VENT WIDTH	60"	~~30"~~	~~18"~~
12X40	Ax3=3.75	~~5x6=3.75~~	~~8x18=3.3~~
~~12X32~~	~~Ax3=3.75~~	~~4x6=3~~	~~8x8=2.04~~

VENTING REQUIRED:

12'x40'=480/150=3.20 SF

~~12'x32'=384/150=2.56 SF~~

VENTING LOCATIONS:

VARIES PER JOB

VENT LEGEND		
VENT	SIZE	SQ. FT.
A	60"X3	1.25 SF
B	42"X3	0.88 SF
C	36"X3	0.75 SF
D	16"X3	0.33 SF
E	12"X3	0.25 SF
F	16"X4.5	0.50 SF
G	12"X4.5	0.37 SF
H	12"X1.5	0.13 SF

NOTES:

1. DELETE ALL UNDER FLOOR VENTS WHEN CONCRETE FLOOR OPTION IS USED
2. VENTS MIN 18" FROM BUILDING CORNERS AND MIN 12" BLOCKING BETWEEN VENTS
3. SILL PLATE MUST BE CONTINUOUS. PLACE VENT ABOVE SILL PLATE
4. FOR 2X12X14L AND LARGER SILL PLATES, PROVIDE CONT 2X8 BLOCKING ABOVE SILL.

NOTES

1. SILL RESTRAINT:
   THE FOUNDATION SHALL BE DESIGNED TO PREVENT SLIDING ON THE SUPPORTING SURFACE BY ATTACHING THE WOOD FOUNDATION PLATES FOR THE BUILDING, RAMPS AND STAIRS TO THE GROUND WITH RESTRAINING DEVICES. AN ACCEPTABLE DESIGN WOULD INCORPORATE ONE–INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL O.D.) HOT DIPPED GALVANIZED PIPES OR ONE–INCH DIAMETER SOLID STEEL RODS SPACED AT NOT MORE THAN 10'–0" O.C. ONE PIPE/ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES/RODS PER DISCONTINUOUS FOUNDATION STRIP. PIPES SHOULD PENETRATE INTO SOIL AND/OR PAVING A MINIMUM OF 12" MEASURED VERTICALLY. ALTERNATE OR EQUIVALENT DESIGNS, WHEN PROVIDED WITH STRUCTURAL CALCULATIONS AND DETAILS, WILL BE CONSIDERED.

   ALTERNATE:
   ON CONCRETE PAVING HILTI DS 82–P10 THRU SILL PLATE, 8" OC AT END WALLS AND 16" OC SIDE WALLS.
2. TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE, VERIFY DRAINAGE WITH DISTRICT ARCHITECT SITE PLANS.
3. A WOOD SILL (FOOTING) PLATE SHALL BE PRESSURE TREATED HEM FIR OR DOUG FIR AND MAY BEAR DIRECTLY ON SOIL OR PAVED SURFACE. GRASS OR TURF SHALL BE CLEARED TO BARE SOIL UNDER THE ENTIRE AREA OF THE BUILDING (BY DISTRICT). THE WOOD SILL (FOOTING) PLATE MAY SUPPORT WOOD CRIPPLE STUDS, POSTS OR CONTINUOUS BLOCKING AND SHEATHING (SKIRT) WHICH NEED NOT BE TREATED. FOUNDATION LUMBER TO BE PRECUT AT FACTORY, LUMBER AND PRESSURE TREATING TO BE VERIFIED BY THE IN–PLANT INSPECTOR.
4. FOUNDATION DESIGNED FOR 1000 PSF SOIL BEARING PRESSURE PER ORS IR 18–1.
5. TRENCHING FOR PLUMBING MANIFOLD IS REQUIRED AND MUST BE PROVIDED BY DISTRICT.

FILE PATH: 1240–F1–01.dwg

PROJECT NO. 6176–B

PC–04–104800

REVISIONS			
1	NT	NOTE 1 CORRECTED	11/18/04
2			
3			
4			
5			

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JUL 27 2004

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Revised 11/23/04

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PROJECT NUMBER: 6176–B

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12'x40' MODEL B TOILET BLDG

FOUNDATION PLAN

WOOD FOUNDATION

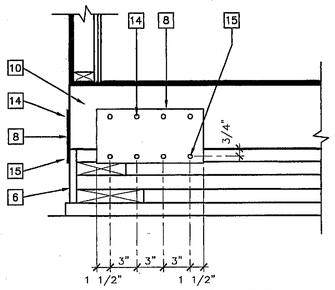
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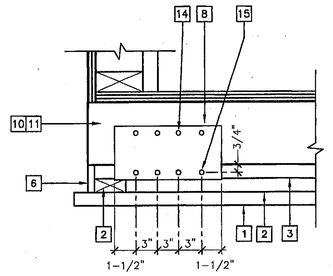
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DATE: 09/18/2025



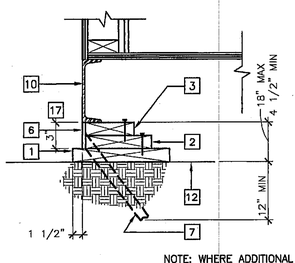
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TIE PLATE 9



SCALE: 1 1/2"=1'-0" LAG BOLT TO FLOOR BEAM

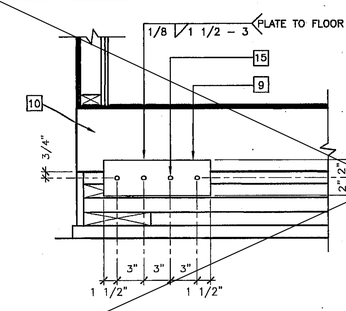
TIE PLATE 5



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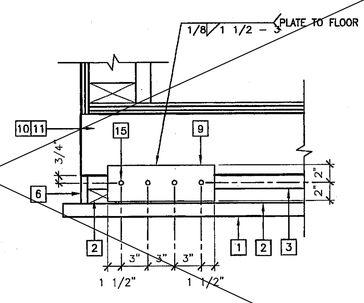
NOTE: WHERE ADDITIONAL BLOCKING IS REQUIRED SEE DETAIL #4

FOUNDATION AT SIDE WALL 1



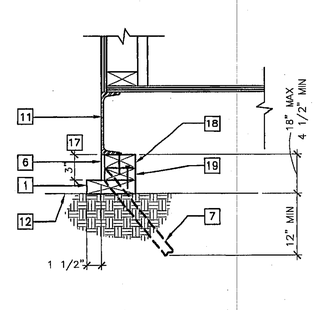
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TIE PLATE (ALTERNATE) 10



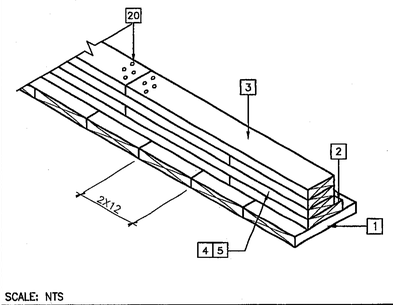
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TIE PLATE (ALTERNATE) 6



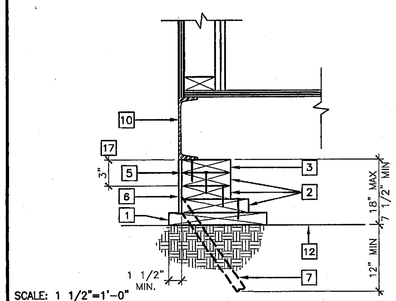
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FOUNDATION AT END WALL 2



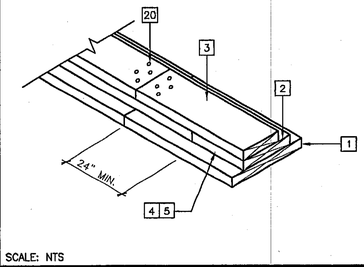
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FOUNDATION SPLICE 11



SCALE: 1 1/2"=1'-0"

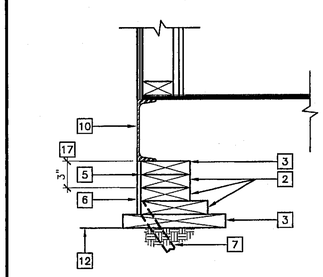
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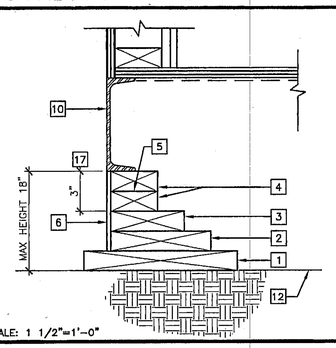
FOUNDATION SPLICE 3

PC
CBC 2001



SCALE: 1 1/2"=1'-0"

FOUNDATION AT SIDE WALL 8



SCALE: 1 1/2"=1'-0"

ADDITIONAL BLOCKING 4

KEY NOTES (50, 50+20, 100)

1. SILL PLATE (SEE FOUNDATION PLATE SCHEDULE SHEET F1.01)
2. BLOCKING PLATE (SEE FOUNDATION PLATE SCHEDULE) ATTACH TO SILL OR BLOCKING WITH 16d NAILS AT 7" OC
3. TOP PLATE (SEE FOUNDATION PLATE SCHEDULE) ATTACH TO BLOCKING WITH 16d BOX NAIL AT 7" OC
4. ADDITIONAL 2"x4" BLOCKING AS NECESSARY FOR LEVELING
5. LOCATION OF SHIM PLATES WHERE REQUIRED FOR LEVELING USE 1/4", 1/2" OR 3/4" PLYWOOD AT SAME WIDTH AS TOP PLATE
6. SKIRTING – 3/8" PLYWOOD, ATTACH WITH 10d NAILS, EDGE NAILING 4" OC AT END WALLS AND 6" OC AT SIDE WALLS, FIELD NAILING 12" OC
7. SILL RESTRAINT – SEE NOTE #1 SHEET F1.01, F1.03
8. TIE PLATE 6"x12"x10 GA
9. TIE PLATE 4"x12"x10 GA
10. FLOOR BEAM (STR)
11. FLOOR HEADER (STR)
12. FINISH GRADE
13. NOT USED
14. 1/4"ø STS TYPICAL 4 PLACES
15. 1/4"ø x3" LONG LAG SCREW TYPICAL 4 PLACES
16. 5/8"ø x4" LAGS (FOR LOCATION SEE PLAN)
17. REMOVE AT VENT LOCATIONS
18. TOP PLATE (SEE FOUNDATION PLATE SCHEDULE) ATTACH TO BLOCKING WITH 2–16d BOX NAILS AT 4 1/2" OC HOT DIPPED GALVANIZED
19. BLOCKING PLATE (SEE FOUNDATION PLATE SCHEDULE) ATTACH TO SILL OR BLOCKING WITH 2–16d BOX NAILS AT 4 1/2" OC HOT DIPPED GALVANIZED
20. (4) 16d BOX NAILS EACH SIDE OF SPLICE. MIN LENGTH 3". MIN EMBEDMENT 1 1/2".

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PROJECT NO. 6176-B

PC- 04-104800

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Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal

LICENSED ARCHITECT
FREDERICK H. PEARCE
No. C24828
Exp. 12-31-05
STATE OF CALIFORNIA

JUL 27 2004

Architects Seal

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104800
AC. FLS SS JK
DATE 5/19/04

MODTECH
Manufacturing and Construction
2830 BARRETT AVENUE
PERRIS, CALIF. 92571
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 6176-B

MOBILE MODULAR

12'x40' MODEL B TOILET BLDG

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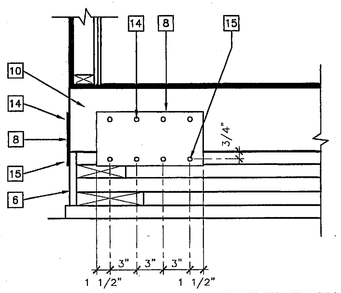
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DATE: 04/01/05
CHECKED BY:
DATE:

MODTECH Index No.

FOUNDATION DETAILS WOOD FOUNDATION

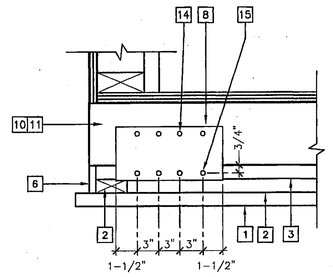
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DATE: 09/18/2025



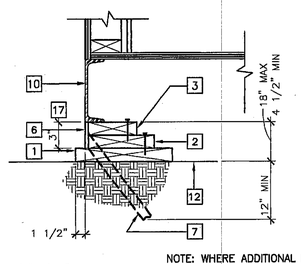
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TIE PLATE 9



SCALE: 1 1/2"=1'-0" LAG BOLT TO FLOOR BEAM

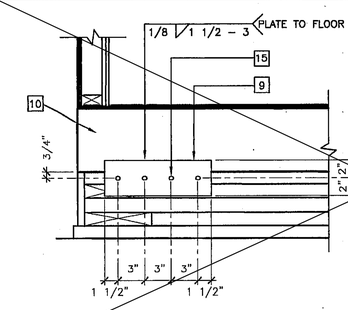
TIE PLATE 5



SCALE: 1 1/2"=1'-0"

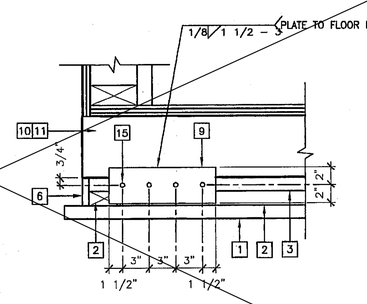
NOTE: WHERE ADDITIONAL BLOCKING IS REQUIRED SEE DETAIL #4

FOUNDATION AT SIDE WALL 1



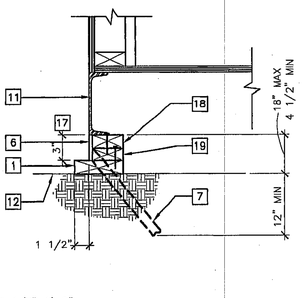
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TIE PLATE (ALTERNATE) 10



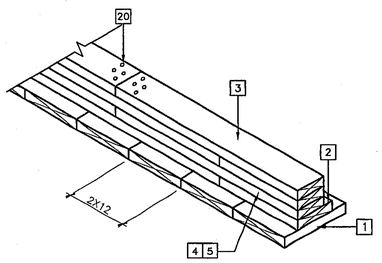
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TIE PLATE (ALTERNATE) 6



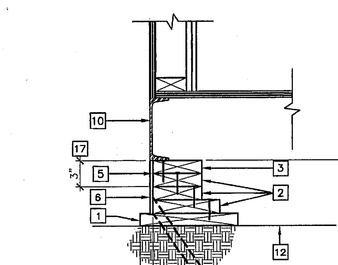
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FOUNDATION AT END WALL 2



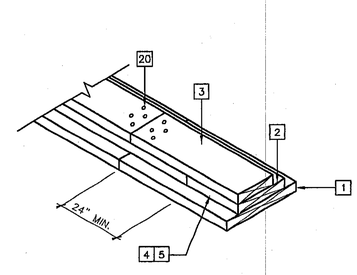
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FOUNDATION SPLICE 11



SCALE: 1 1/2"=1'-0"

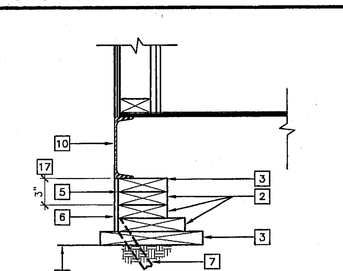
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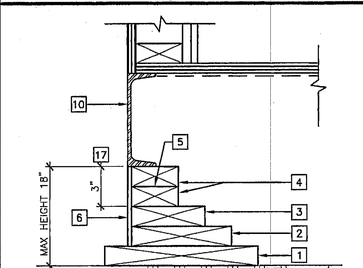
FOUNDATION SPLICE 3

PC
CBC 2001



SCALE: 1 1/2"=1'-0"

FOUNDATION AT SIDE WALL 8



SCALE: 1 1/2"=1'-0"

ADDITIONAL BLOCKING 4

KEY NOTES (50, 50+20, 100)

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Mechanical Engineer's Seal

PC Professional of Record Seal

LICENSED ARCHITECT
FRED VINCENT HEDGPETH
No. C24828
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JUL 27 2004

Architects Seal

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MODTECH
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PH (909) 943-4014
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PROJECT NUMBER: 6176-B

MOBILE MODULAR

12'x40' MODEL B TOILET BLDG

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DRAWN BY: RJK
DATE: 04/01/05
CHECKED BY:
DATE:

MODTECH Index No.

FOUNDATION DETAILS WOOD FOUNDATION

F1.11

PROJECT NO. 6176-B

PC- 04-104800

"CONSTRUCTION OF" AND "STOCKPILE OF" EXAMPLE DSA 103 FORM (DSA 103 FORM NOT REQUIRED FOR RELOCATION OF CERTIFIED RAMP & LANDING)

THE EXAMPLE FORM DSA-103 SHOWN ON THIS SHEET IS FOR ILLUSTRATION PURPOSES ONLY TO ASSIST IN THE COMPLETION OF FUTURE PROJECT-SPECIFIC FORM DSA-103'S. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND THE EXAMPLE FORM DSA-103 IS TO BE CROSSED OUT ON THIS DRAWING.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

Application Number:	School Name:	School District:
04-122493	PC	LA
DSA File Number:	Increment Number:	Date Created: 2023-09-01 16:36:29

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	GE (Geotechnical Engineer) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his/her her authorized representative.
Periodic – Indicates that a periodic special inspection is required	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.
Test – Indicates that a test is required	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.

S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES

	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	Periodic	*	Table 1705A.2.1 Item 3a–3c, 2202A.1; AISI S100-20 Section A3.1 & A3.2, AISI S240-20 Sections A3 & A5, AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
☑	b. Test unidentified materials	Test	LOR	2202A.1.
☐	c. Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.
☑	d. Verify and document steel fabrication per DSA-approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).
☐	e. Buckling restrained braces.	Test	LOR	Testing and special inspections in accordance with IR 22-4.

S/A2. HIGH-STRENGTH BOLTS:

	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA-approved documents.	Periodic	SI	Table 1705A.2.1 Items 1a & 1b, 2202A.1; AISC 360-16 Section A3.3, J3.1, and N3.2; RCSC 2014 Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-9.
☐	b. Test high-strength bolts, nuts and washers.	Test	LOR	Table 1705A.2.1 Item 1c, 2213A.1; RCSC 2014 Section 7.2; DSA IR 17-3.
☐	c. Bearing-type ("snug tight") connections.	Periodic	SI	Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Section 9.1; DSA IR 17-9.
☐	d. Pretensioned and slip-critical connections.	*	SI	Table 1705A.2.1 Items 2b & 2c, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17-9. **"Continuous" or "Periodic" depends on the tightening method used.

S/A3. WELDING:

	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify welding filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	Periodic	SI	1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
☑	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
☑	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.

S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1–4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☑	b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☑	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.
☐	d. Verification of reinforcing steel weldability other than ASTM A706.	Periodic	SI	1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	e. Inspect welding of reinforcing steel.	Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 2303A.8; AWS D1.4; DSA IR 17-3.

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 cubes 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 psf for distributed systems.

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

1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291

2. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

PLOT DATE: May 29, 2024

ACCESSIBILITY TO PUBLIC BUILDING, PUBLIC ACCOMMODATIONS NOTES

TREADS, RISERS, AND NOSING: CBC SECTION 11B-504

1. INTERIOR STAIRS SHALL HAVE THE UPPER APPROACH AND LOWER TREAD MARKED BY A STRIPE PROVIDING CLEAR VISUAL CONTRAST. EXTERIOR STAIRS SHALL HAVE THE UPPER APPROACH AND ALL TREADS MARKED BY A STRIPE PROVIDING CLEAR VISUAL CONTRAST.
2. THE STRIPE SHALL BE A MINIMUM OF 2 INCHES WIDE TO A MAXIMUM OF 4 INCHES WIDE PLACED PARALLEL TO, AND NOT MORE THAN 1 INCH FROM, THE NOSE OF THE STEP OR UPPER APPROACH. THE STRIPE SHALL EXTEND THE FULL WIDTH OF THE STEP OR UPPER APPROACH AND SHALL BE OF MATERIAL THAT IS AT LEAST AS SLIP RESISTANT AS THE OTHER TREADS OF THE STAIR. A PAINTED STRIPE SHALL BE ACCEPTABLE. GROOVES SHALL NOT BE USED TO SATISFY THIS REQUIREMENT.
3. THE RADIUS OF CURVATURE AT THE LEADING EDGE OF THE TREAD SHALL BE 1/2 INCH MAXIMUM. NOSINGS THAT PROJECT BEYOND RISERS SHALL HAVE THE UNDERSIDE OF THE LEADING EDGE CURVED OR BEVELED. RISERS SHALL BE PERMITTED TO SLOPE UNDER THE TREAD AT AN ANGLE OF 30 DEGREES MAXIMUM FROM VERTICAL. THE PERMITTED PROJECTION OF THE NOSING SHALL EXTEND 11/4 INCHES MAXIMUM OVER THE TREAD BELOW.
4. TREADS SHALL BE 11 INCHES DEEP MINIMUM. RISERS SHALL BE 4 INCHES HIGH MINIMUM AND 7 INCHES HIGH MAXIMUM. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS AND UNIFORM TREAD DEPTHS. OPEN RISERS ARE NOT PERMITTED.

RAILING AND HANDRAILS: CBC SECTION 11B-505

1. TOP OF GRIPPING SURFACES OF HANDRAILS SHALL BE 34 INCHES MINIMUM AND 38 INCHES MAXIMUM VERTICALLY ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES. HANDRAILS SHALL BE AT A CONSISTENT HEIGHT ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES.
2. CLEARANCE BETWEEN HANDRAIL GRIPPING SURFACES AND ADJACENT SURFACES SHALL BE 1.5 INCHES MINIMUM. HANDRAILS MAY BE LOCATED IN A RECESS IF THE RECESS IS 3 INCHES MAXIMUM DEEP AND 18 INCHES MINIMUM CLEAR ABOVE THE TOP OF THE HANDRAIL.
3. HANDRAIL GRIPPING SURFACES SHALL BE CONTINUOUS ALONG THEIR LENGTH AND SHALL NOT BE OBSTRUCTED ALONG THEIR TOPS OR SIDES. THE BOTTOMS OF HANDRAIL GRIPPING SURFACES SHALL NOT BE OBSTRUCTED FOR MORE THAN 20 PERCENT OF THEIR LENGTH. WHERE PROVIDED, HORIZONTAL PROJECTIONS SHALL OCCUR 1.5 INCHES MINIMUM BELOW THE BOTTOM OF THE HANDRAIL GRIPPING SURFACE.
4. HANDRAIL GRIPPING SURFACES WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF 1.25 INCHES MINIMUM AND 2 INCHES MAXIMUM.
5. HANDRAIL GRIPPING SURFACES WITH A NON-CIRCULAR CROSS SECTION SHALL HAVE A PERIMETER DIMENSION OF 4 INCHES MINIMUM AND 61/4 INCHES MAXIMUM, AND A CROSS-SECTION DIMENSION OF 2.25 INCHES MAXIMUM.
6. HANDRAIL GRIPPING SURFACES AND ANY SURFACES ADJACENT TO THEM SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS AND SHALL HAVE ROUNDED EDGES.
7. HANDRAIL GRIPPING SURFACES SHALL EXTEND BEYOND AND IN THE SAME DIRECTION OF STAIR FLIGHTS AND RAMP RUNS IN ACCORDANCE WITH CBC SECTION 11B-505.10. EXTENSIONS SHALL NOT BE REQUIRED FOR CONTINUOUS HANDRAILS AT THE INSIDE TURN OF SWITCHBACK OR DOGLEG STAIRS AND RAMPS. THE ORIENTATION OF AT LEAST ONE HANDRAIL SHALL BE IN THE DIRECTION OF THE STAIR RUN, PERPENDICULAR TO THE DIRECTION OF THE STAIR NOSING, AND SHALL NOT REDUCE THE MINIMUM REQUIRED WIDTH OF THE STAIR. CBC SECTION 11B-505.2.1.
8. A 2" MINIMUM HIGH CURB OR BARRIER SHALL BE PROVIDED TO PREVENT THE PASSAGE OF A 4" DIAMETER SPHERE ROLLING OFF THE EDGES ON A RAMP OR LANDING SURFACE. SUCH A CURB OR BARRIER SHALL BE CONTINUOUS AND UNINTERRUPTED ALONG THE LENGTH OF A RAMP. CBC SECTION 11B-405.9.2.

RAMP, LANDING, STAIRS AND GROUND SURFACES: CBC SECTION 11B-302

1. RAMP, LANDING, STAIRS AND GROUND SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT AND SHALL COMPLY WITH 11B-302, CBC SECTION 11B-302.1.

LEGEND:

1. DETAIL REFERENCE BUBBLE
2. DETAIL REFERENCE BUBBLE W/ ARROW
3. SECTION REFERENCE BUBBLE
4. ELEVATION REFERENCE BUBBLE
5. INDICATES 1.25"x 1.25"x 12 GA. CROSS ANGLE BRACING W/ #12 SMS AT EACH END U.N.O.
6. INDICATES 1.25"x 1.25"x 12 GA. DIAGONAL ANGLE BRACING WITH MIN. (1) #12 SMS AT EACH END U.N.O.
7. INDICATES 2x10 P.T. D.F. #1 SILL PLATE
8. INDICATES PSA STAIR ADJUSTER LEG PAD
9. INDICATES 1" DIAMETER STANDARD (1.315"ø O.D.) SCHEDULE 40 GALVANIZED PIPE

ABBREVIATIONS:

AISA	AMERICAN IRON AND STEEL INSTITUTE	MAX.	MAXIMUM
		NTS	NOT TO SCALE
ALT	ALTERNATIVE	O.C.	ON CENTER
ASSY.	ASSEMBLY	EXTEN.	OPPOSITE
ATR	ALL THREADED ROD	PH	PAN HEAD
BTW.	BETWEEN	P.T.	PRESSURE TREATED
CBC	CALIFORNIA BUILDING CODE	PH	PAN HEAD
CFS	COLD FORMED STEEL	RECT.	RECTANGLE
DN	DOWN	S.E.O.R.	STRUCTURAL ENGINEER OF RECORD
EA.	EACH	S.S	STAINLESS STEEL
EXT.	EXTENSION	THK.	THICK
GA.	GAUGE	TL	TWO LINE
GALV.	GALVANIZED	TYP.	TYPICAL
HWH	HEX WASHER HEAD	VP	VERTICAL PICKET
LBS	POUNDS		

STRUCTURAL STEEL NOTES

1. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AISC 360-16.
2. STEEL MEMBERS SHALL CONFORM TO THE FOLLOWING MATERIAL SPECIFICATIONS (U.N.O.):
   A. ANGLES AND CHANNELS – ASTM 36, GRADE 36, F_y=36 KSI
   B. PLATES – ASTM 572, GRADE 50, F_y=50 KSI
   C. WIDE FLANGES – ASTM A992 OR ASTM A572 GRADE 50, F_y=50 KSI
   D. STRUCTURAL TUBES (HSS) – ASTM A500, GRADE B, F_y=46 KSI
   E. STRUCTURAL TUBES (HSS ROUND PIPE) – ASTM A500, GRADE B, F_y=42 KSI
   F. STRUCTURAL BOLTS – ASTM A325-PT (PRE-TENSIONED)
   G. NUTS – ASTM A563 GALV., GRADE DH
   H. WASHERS – ASTM F436 GALV., TYPE 1
3. ALL STAINLESS BOLTS SHALL BE PER ASTM F593 (304) SS, ALLOY GROUP1, CONDITION CW WITH F_u=100 KSI AND F_y=125 KSI MIN. NUTS SHALL BE STAINLESS STEEL PER ASTM F594 AND WASHERS SHALL BE STAINLESS STEEL 304.
4. ALL WELDING SHALL BE PERFORMED BY EXPERIENCED, CERTIFIED WELDERS USING THE ELECTRIC ARC WELDING PROCESS, E70XX SERIES ELECTRODES FOR WELDING STRUCTURAL STEEL. WELDING SHALL CONFORM TO AISC AND AWS STANDARDS.
5. ALL WELDS NOT SPECIFIED SHALL BE CONTINUOUS FILLET WELDS. SIZE OF WELD SHALL BE BASED ON AISC STANDARDS FOR THINNER PART JOINED.
6. HOLES FOR BOLTS IN STRUCTURAL STEEL SHALL BE DRILLED OR PUNCHED. BURNING OF HOLES SHALL NOT BE PERMITTED.
7. ALL COPES SHALL BE SAWCUT, UNLESS OTHERWISE PERMITTED BY THE STRUCTURAL ENGINEER IN WRITING.
8. ALL EXTERIOR EXPOSED STRUCTURAL STEEL AND CONNECTORS SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123. WHERE THE HOT DIP GALVANIZING IS DAMAGED OR REMOVED DURING CONSTRUCTION, REPAIR WITH AN APPROVED COLD GALVANIZING PAINTING SYSTEM IN ACCORDANCE WITH ASTM A780 AND MANUFACTURER'S WRITTEN INSTRUCTIONS.
9. SUBMITTALS: STRUCTURAL STEEL SHOP DRAWINGS, WELDING PROCEDURE SPECIFICATIONS (WITH CWI STAMP AND SIGNATURE), MATERIAL MILL CERTIFICATES, AND WELDER QUALIFICATIONS.

WELDING NOTES

1. WELDING SHALL CONFORM TO THE "STRUCTURAL WELDING CODE" ANSI / AWS D1.1-15 AND THE "CALIFORNIA FIRE CODE" CFC 2022 (PART 9 TITLE 24, CCR) CHAPTER 35.
2. WELDS SHALL USE E70 ELECTRODES (EXCEPT REINFORCING STEEL WELDS).
3. SHOP WELDING SHALL BE PERFORMED IN A SHOP THAT IS REGISTERED AND APPROVED BY THE GOVERNING JURISDICTION.
4. FIELD WELDING SHALL BE CONTINUOUSLY INSPECTED BY A REGISTERED INSPECTOR. ALL FIELD WELDING MUST BE INDICATED ON THE SHOP DRAWINGS.
5. ALL EXPOSED WELDED CONNECTIONS SHALL BE FILLED AND GROUND SMOOTH AND SUBJECT TO ARCHITECTURAL APPROVAL.
6. ALL WELDS NOT SPECIFIED SHALL BE CONTINUOUS FILLET WELDS. SIZE OF WELDS SHALL BE BASED ON AISC STANDARDS FOR THICKER MATERIAL CONNECTED.
7. ALL COMPLETE JOINT PENETRATION WELDS SHALL HAVE ULTRASONIC TESTING (U.T.) BY QUALIFY AND APPROVAL TESTING AGENCY.

WOOD FRAMING NOTES

1. WOOD FRAMING SHALL BE DOUGLAS FIR-LARCH NO. 2 PRESSURE TREATED MARKED BY W.W.P.A. OR W.C.L.I.B. AS FOLLOWS, UNLESS NOTED OTHERWISE. EACH PIECE SHALL BE GRADE MARKED. ALL MATERIAL USED IN WOOD FOUNDATION SHALL BE PRESSURE TREATED.
2. FOR ALL TREATED WOOD MEMBERS, ALL CUTS, HOLES AND INJURIES SUCH AS ABRASIONS OR HOLES FROM REMOVAL OF NAILS AND SPIKES WHICH MAY PENETRATE THE TREATED ZONE SHALL BE FIELD TREATED IN ACCORDANCE WITH AWPA U1 AND M4.
3. STRUCTURAL FRAMING SHALL BE DOUGLAS FIR 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.
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 AND LARGER LAG SCREWS SHALL HAVE PRE-DRILLED HOLES. PROVIDE FULL DIAMETER BODY LAG SCREWS WITH BENDING YIELD STRENGTHS PER TABLE 12J AND 12K IN THE 2018 NDS.
5. WOOD SCREWS SHALL MEET REQUIREMENTS OF ANSI/ASME STANDARD B18.6.1.
6. ALL NAILS SHALL BE COMMON 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 APPROVED 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 12N, 12P, 12Q AND 12R IN NDS.
7. 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 (0C4A)" OR "FOR ABOVE GROUND USE (0C3A OR 0C3B)" 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 U1 AND M4.
8. IF MACHINE NAILING IS UTILIZED FOR THIS PROJECT, CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF CCR TITLE 24, PART 2. MACHINE NAILING SHALL BE APPROVED BY THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT PRIOR TO INSTALLATION OF NAILS.
9. MACHINE APPLIED NAILING- SHALL HAVE PRIOR DEMONSTRATION AND APPROVAL BY DSA FIELD INSPECTOR AND THE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUOUS SATISFACTORY PERFORMANCE. PLYWOOD SHALL HAVE A MINIMUM THICKNESS OF 3/8". IF NAIL HEADS 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.
10. FASTENERS FOR PRESSURE-PRESERVATIVE TREATED AND FIRE-RETARDANT TREATED WOOD SHALL COMPLY WITH SEC. 2304.10 OF CBC.

POST-INSTALLED ANCHOR BOLTS

1. ANCHOR BOLTS FOR ATTACHMENT TO CONCRETE SHALL BE SIMPSON STAINLESS STEEL TITEN HD SCREWS AND TO BE INSTALLED PER IAPMO UES ER-493.

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE S.E.O.R. SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES OR OMISSIONS ON THE DRAWINGS OR IN THE SPECIFICATIONS OR ANY VARIATIONS NEEDED IN ORDER TO CONFORM TO CODES, RULES AND REGULATIONS. ANY SUCH DISCREPANCY, OMISSION, OR VARIATION NOT REPORTED SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
2. DIMENSIONS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. TYPICAL DETAILS AND GENERAL NOTES ARE MINIMUM REQUIREMENTS TO BE USED WHEN CONDITIONS ARE NOT SHOWN OTHERWISE. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK.
3. WHERE MEMBER LOCATIONS ARE NOT SPECIFICALLY DIMENSIONED, MEMBERS ARE LOCATED EITHER ON COLUMN LINES OR EQUALLY SPACED BETWEEN MEMBERS ON COLUMN LINES OR BETWEEN MEMBERS OTHERWISE LOCATED.
4. ALL WORK AND MATERIALS SHALL CONFORM TO THE MINIMUM STANDARDS OF THE 2022 EDITION OF THE CALIFORNIA BUILDING CODE (CBC) AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.
5. APPROVAL BY THE FIELD INSPECTOR DOES NOT MEAN COMPLIANCE WITH THE PLANS AND SPECIFICATIONS. ANY DESIGN WHICH IS UNCLEAR OR AMBIGUOUS MUST BE REFERRED TO S.E.O.R. FOR INTERPRETATION OR CLARIFICATION.
6. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, FORMS AND SCAFFOLDING.
7. ALL SHOP DRAWINGS SHALL BE CHECKED AND APPROVED BY THE CONTRACTOR BEFORE SUBMITTAL TO S.E.O.R.
8. UNLESS OTHERWISE SHOWN, ALL TYPICAL DETAILS WHERE APPLICABLE, SHALL BE USED.
9. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL AND STATE SAFETY REQUIREMENTS.
10. FOR ANY OPEN CLEAR AREA GREATER THAN 27" BETWEEN THE PRODUCT AND THE GROUND, A HORIZONTAL BARRIER, FOR THE VISUALLY IMPAIRED, WILL BE PROVIDED.
11. FOR LANDING PLATFORM AND RAMP ELEVATIONS OVER 18", THE LANDING AND RAMP LEGS REQUIRE BRACING.
12. DO NOT SCALE DRAWINGS
13. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
14. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
15. CONTRACTOR OPERATIONS SHALL NOT BLOCK, HINDER, IMPEDE OR OTHERWISE INHIBIT THE USE OF REQUIRED EXISTS AT ANY TIME. CONTRACTOR SHALL MAINTAIN UNOBSTRUCTED ACCESS TO FIRE EXTINGUISHERS, FIRE HYDRANTS, TEMPORARY FIRE PROTECTION FACILITIES, STAIRWAYS AND OTHER ACCESS ROUTES FOR FIRE-FIGHTING EQUIPMENTS AND OR PERSONNEL.
16. ELECTRICAL GROUNDING CONNECTION – SHALL BE PROVIDED FOR EACH POSTION AS REQUIRED BY CODE OR LOCAL REQUIREMENTS.
17. STAIR TREADS – ALL STAIR TREADS TO HAVE A CONTRASTING NOSING MAXIMUM 1" FROM TREAD EDGE AND 2" WIDE.
18. PROVIDE PLASTIC END CAPS FOR ALL OPEN END HANDRAIL, GUARDRAIL, AND POSTS.
19. GUARDS SHALL NOT HAVE OPENINGS THAT ALLOW PASSAGE OF A SPHERE 4" IN DIAMETER

COLD FORMED STEEL

1. ALL WORK SHALL MEET THE REQUIREMENTS OF AMERICAN IRON AND STEEL INSTITUTE (AISI) DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS.
2. DESIGN SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES, INCLUDING:
   a. CBC 2022,
   b. AISI S100-16(2020) W/S2-20: NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, 2016 EDITION (REAFFIRMED 2020), WITH SUPPLEMENT 2, 2020 EDITION
   c. AISI S202-20: CODE OF STANDARD PRACTICE FOR COLD-FORMED STEEL FRAMING, 2020
   d. AISI S220-20: NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL NONSTRUCTURAL FRAMING
   e. AISI S240-20: NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL STRUCTURING FRAMING, 2020
   f. AISI S400-20: NORTH AMERICAN STANDARD FOR SEISMIC DESIGN OF COLD-FORMED STEEL STRUCTURAL SYSTEMS, 2020
3. ALL STRUCTURAL, RAIL AND DECK COMPONENTS WILL BE GALVANIZED STEEL.
4. ALL COLD FORMED STEEL MATERIAL FOR 16 GAUGE AND HEAVIER SHALL CONFORM TO THE FOLLOWING:
   A. 50 KSI MIN. YIELD, 65 KSI MIN. TENSILE STRENGTH
   B. PAINTED STEEL PER ASTM A1011 -GRADE 50
   C. GALVANIZED STEEL PER ASTM A653 -GRADE 50
6. ALL WORK SHALL MEET THE REQUIREMENTS OF AMERICAN WELDING SOCIETY (AWS) D1.1 AND D1.3 SPECIFICATION FOR WELDING SHEET STEEL IN STRUCTURE.
7. ALL WELDING TO BE PERFORMED BY CERTIFIED LIGHT GAUGE WELDERS CERTIFIED FOR ALL APPROPRIATE DIRECTION COMPLYING WITH AWS D1.3.
   WELDING RODS TO CONFORM TO THE FOLLOWING:
   A. 18 GAUGE AND LIGHTER E60XX
   B. 16 GAUGE AND HEAVIER E70XX OR E6013
   C. COLD FORMED TO STRUCTURAL STEEL E70XX LOW HYDROGEN
8. WELD SIZES FOR WELDING LIGHT GAUGE MATERIAL SHALL BE AS FOLLOWS:
   A. 18 GAUGE 1/16"
   B. 16 GAUGE 3/32"
   C. 14 GAUGE AND HEAVIER 1/8"
9. HOLES IN MEMBERS SHALL BE DRILLED FOR BOLT DIAMETER PLUS 1/16".

COLD FORMED STEEL FASTENERS

1. ALL SHEET METAL SCREWS (SMS) SHALL BE SELF-DRILLING SCREWS AND SELF-TAPPING ZINC GALVANIZED SCREWS, AND SHALL CONFORM TO I.C.C. ESR-1976, U.N.O.
2. SCREWS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND SHALL HAVE SUFFICIENT LENGTH TO ENSURE PENETRATION INTO STEEL STUD BY AT LEAST 3 FULL DIAMETER THREADS. SEE DETAILS (16 S10) & (20 S10)
3. THE DISTANCE BETWEEN FASTENERS SHALL NOT BE LESS THAN 3 DIAMETERS. THE DISTANCE FROM CENTER OF FASTENER TO THE EDGE OF ANY PART SHALL NOT BE LESS THAN 3 DIAMETERS.

SCOPE OF WORK

1. DESIGN STEEL RAMP, LANDING AND STAIRS

PROJECT DESIGN CRITERIA

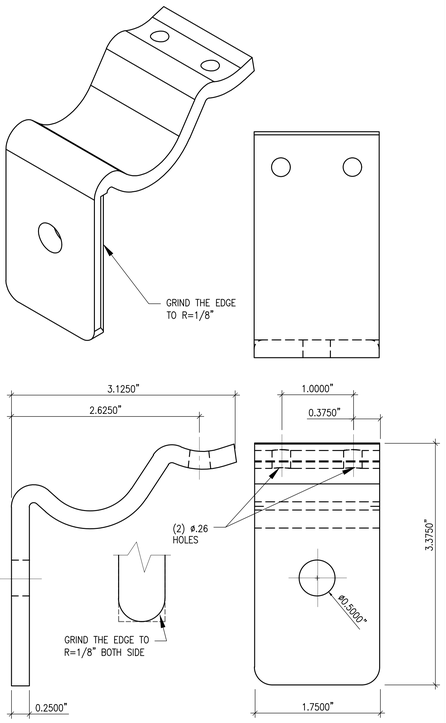
1. CODES: 2022 CALIFORNIA BUILDING CODE
2. STRUCTURAL DESIGN INFORMATION:

DESIGN LOADS	DATA
LIVE LOAD	100 PSF
SNOW LOAD	0.0 PSF

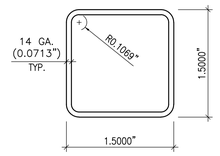
EARTHQUAKE DESIGN	DATA
RISK CATEGORY	II
SEISMIC IMPORTANCE FACTOR	I_e = 1.0
MAPPED SPECTRAL RESPONSE ACCELERATIONS	S_S = 2.19g, S_1 = 1.0g
SITE CLASS	D (DEFAULT)
SPECIAL RESPONSE COEFFICIENTS	S_{DS}=1.75g, S_{D1}=1.133g
SEISMIC DESIGN CATEGORY	E
SEISMIC RESPONSE COEFFICIENT	C_s = 1.40 (LRFD)

WIND DESIGN	DATA
BASIC WIND SPEED (3-SEC GUST)	V

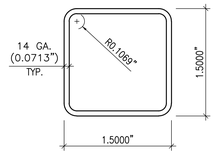
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DIV. OF THE STATE ARCHITECT
APP: 03-125504 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/18/2025



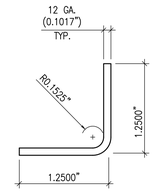
HANDRAIL BRACKET - WAGNER 1970R 19



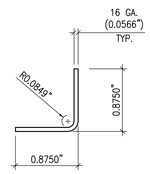
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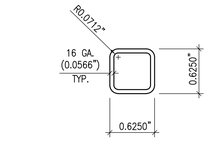
LEG AND TREAD SUPPORT 12



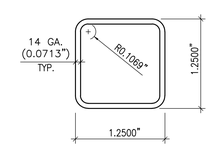
ANGLE BRACE 8



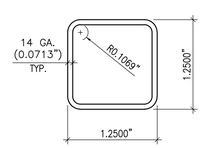
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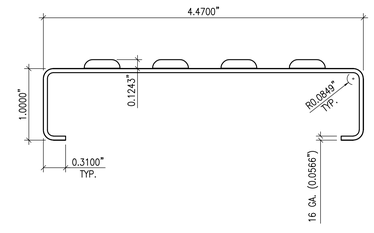
PICKET 15



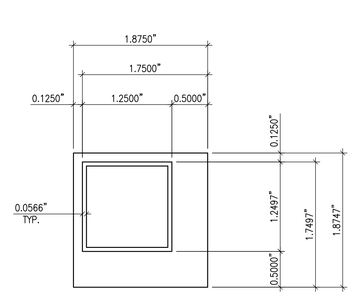
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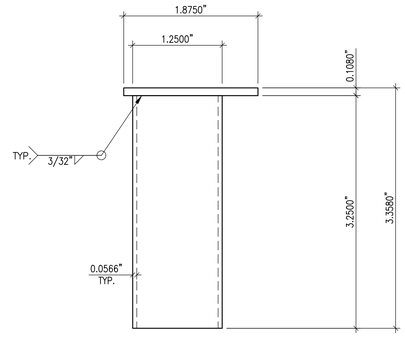
STRINGER TELESCOPIC CONNECTOR 7



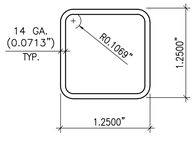
DECK CHANNEL 3



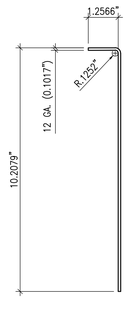
TYP. CORNER COVER POCKET 14



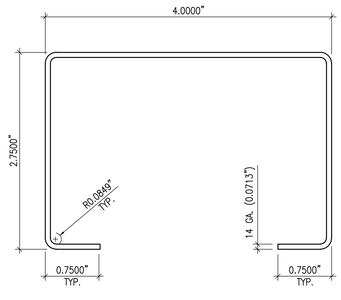
GUARDRAIL, GUARDRAIL POST AND LEG INSERT 10



STRINGER ANGLE 6



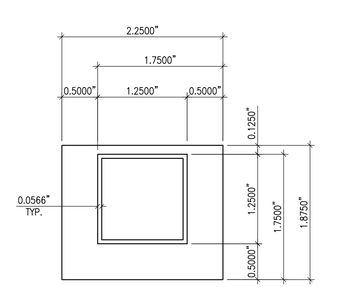
DECK BEAM 2



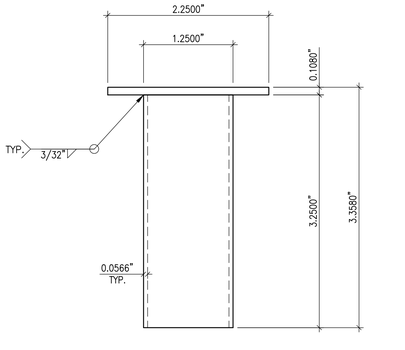
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PROFILE DETAILS

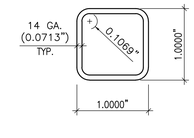
SHEET TITLE



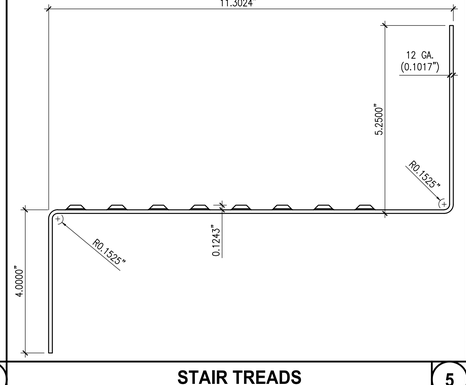
TYP. MIDDLE COVER POCKET 13



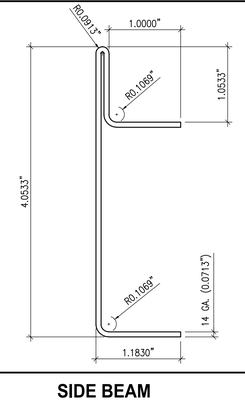
GUARDRAIL TELESCOPIC CONNECTOR 9



STAIR TREADS 5



SIDE BEAM 1



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1	MODIFICATIONS FOR CLARIFICATION & CONSTRUCTIBILITY	05/29/2024
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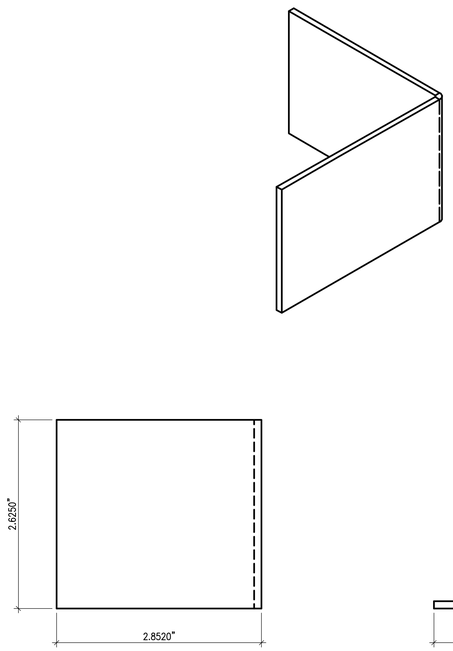
DATE	05/22/2023
JOB NO.	23131
FILENAME	DSA 2023 DRAWING (MRH)
REV.	
DRAWN BY	
APPROVED BY	MH
SCALE	N.T.S.
PLOT DATE	05/29/2024
SHEET NUMBER	S2

PLOT DATE: May 29, 2024

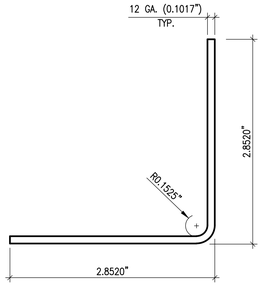
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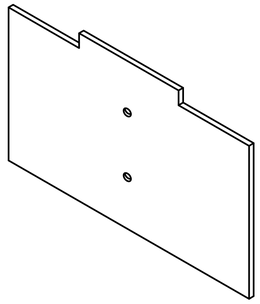
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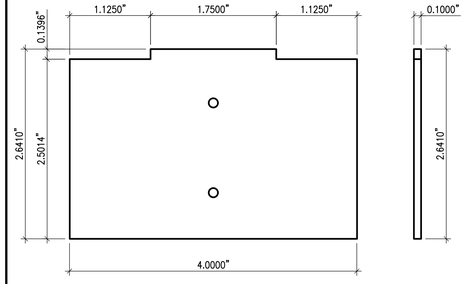
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DATE: 09/18/2025



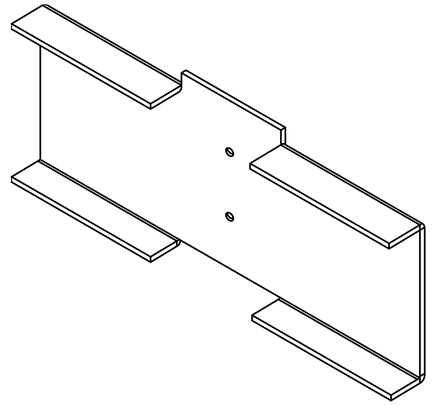
INNER CORNER POCKET 15

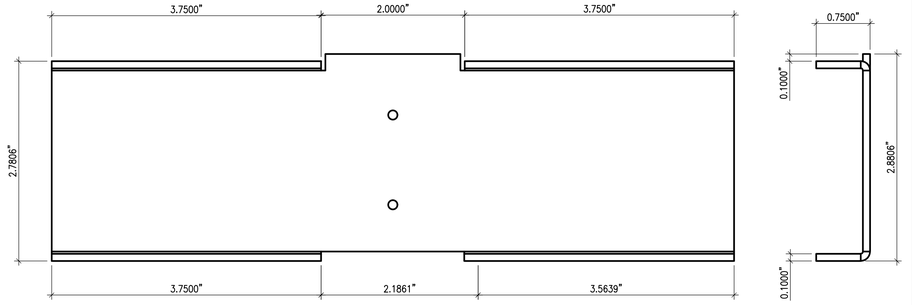




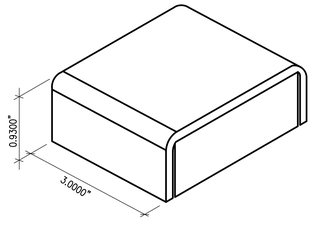


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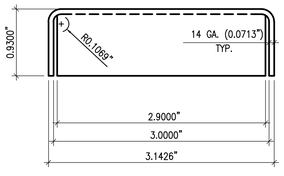


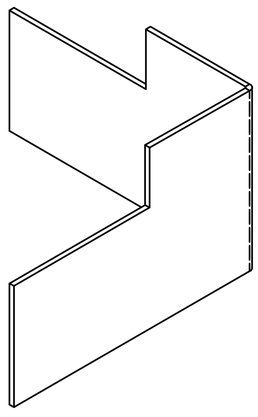


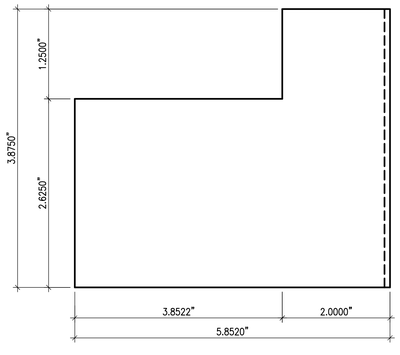
FRAME SIDE POCKET 3

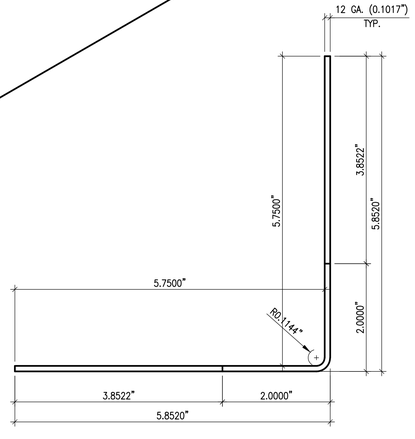


BLOCKING CHAIR CHANNEL 17

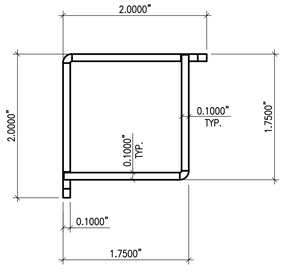


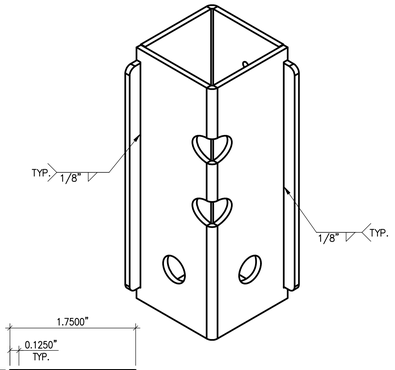


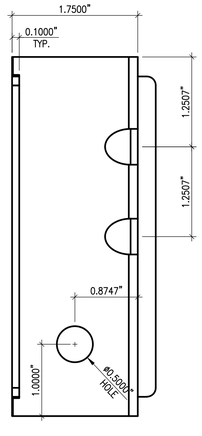


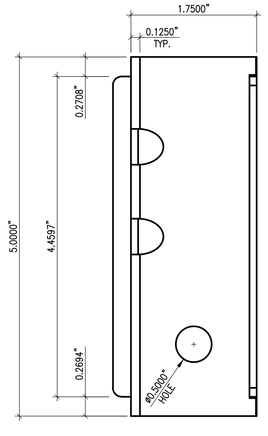


FRAME CORNER POCKET 9









POCKET TUBE 1

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1	MODIFICATIONS FOR CLARIFICATION & CONSTRUCTIBILITY	05/29/2024
2		
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APP: 04-122493 PC
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SHEET TITLE: PROFILE DETAILS

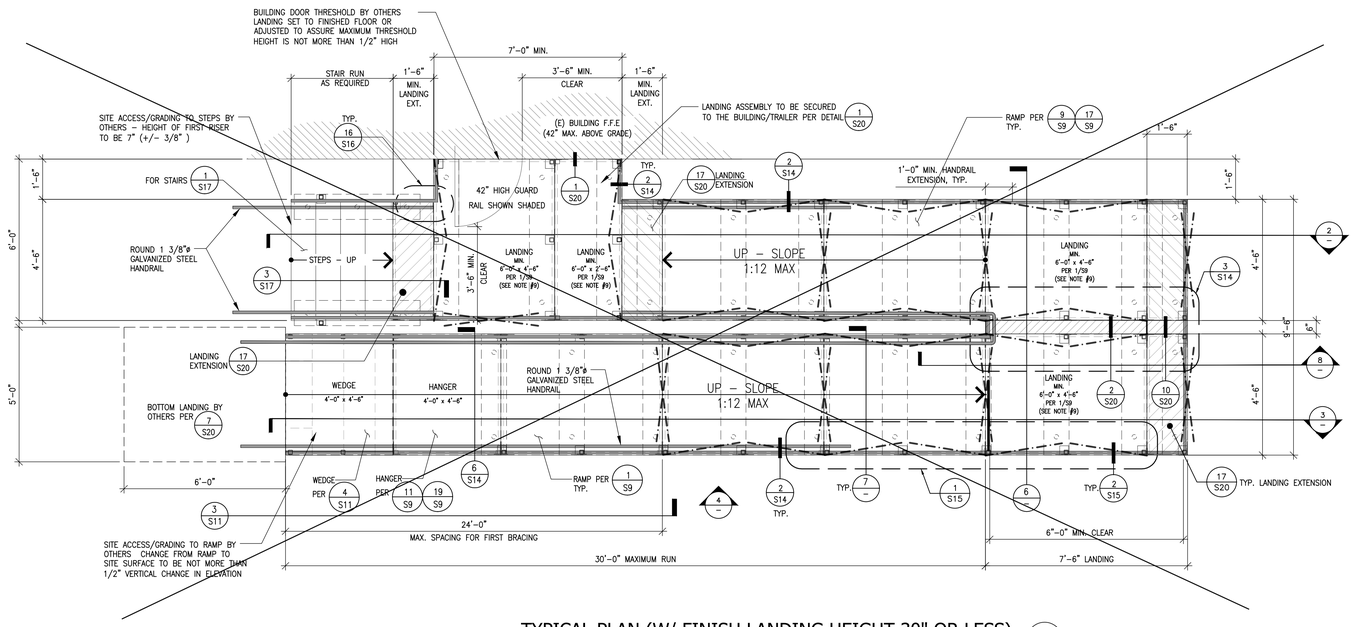
DATE: 05/22/2023
JOB NO.: 23131
FILENAME: DSA 2023 DRAWING (MRH)
REV.:
DRAWN BY:
APPROVED BY: MH
SCALE: N.T.S.
PLOT DATE: 05/29/2024
SHEET NUMBER: S3

PLOT DATE: May 29, 2024

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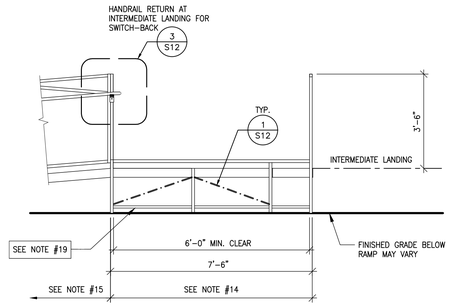
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DATE: 09/18/2025



TYPICAL PLAN (W/ FINISH LANDING HEIGHT 30" OR LESS) 1
Scale: 3/8"=1'-0"

SILL AND BASE PLATE NOTES

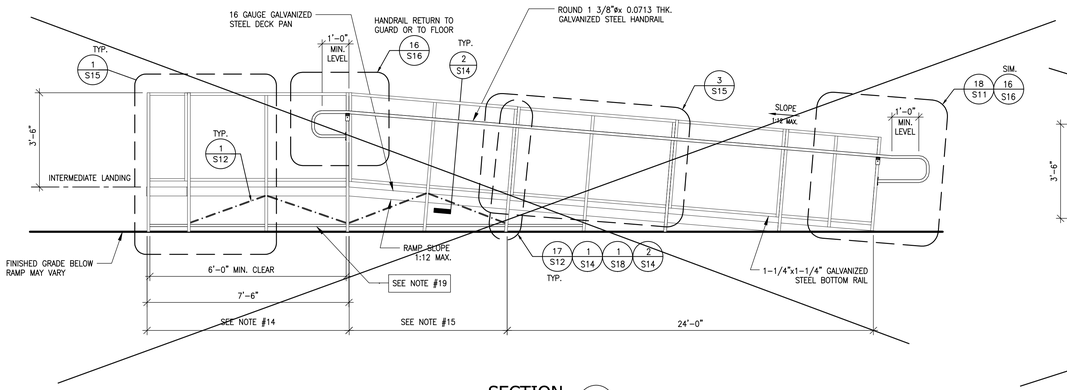
1. WOOD SILL PLATES ARE SHOWN ONLY. SEE ALL APPLICABLE DETAILS ON SHEET 17 FOR ADDITIONAL INFORMATION.
2. SEE DETAILS 1/S19 2/S19 & 6/S19 FOR BASE PLATE ON CONCRETE BASE.
3. SEE DETAILS 3/S19 4/S19 & 8/S19 FOR BASE PLATE ON ASPHALT BASE.



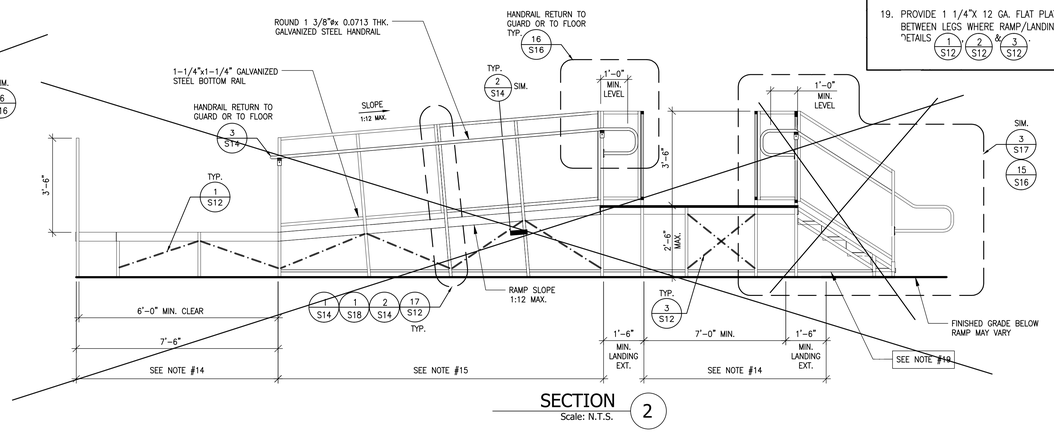
SECTION 8
Scale: N.T.S.

GENERAL NOTES

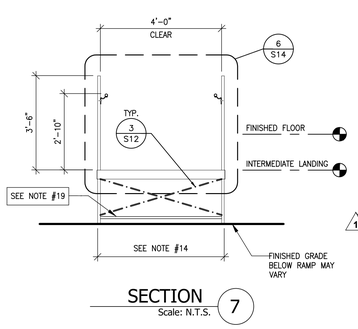
1. SEE SHEET S-1 FOR NOTES AND LEGEND.
2. SEE SHEETS S-9 THROUGH S-19 FOR TYPICAL & SPECIFIC DETAILS.
3. UNLESS NOTED OTHERWISE, ALL SILL PLATES SHALL BE CONNECTED TO EACH OTHER WITH GALVANIZED NAILS PER DETAILS.
4. UNLESS NOTED OTHERWISE, FOR MINIMUM SILL RESTRAINT: INSTALL 1" DIA. STANDARD (1.315"ø O.D.) SCHEDULE 40 GALVANIZED PIPE AT 10'-0" MAX., PROVIDE MINIMUM OF (2) PIPES PER FOUNDATION SILL PLATE. 12" PENETRATION BELOW SURFACE VERTICALLY. DRILL SILL 1¼" MAX. PIPE MAY BE DRIVEN MAX. OF 45° ANGLE TO VERTICAL. (24" LONG PIPE. REQUIRED FOR PENETRATION AT 45° ANGLE.)
5. ALL FOUNDATION PLATES SHALL BE PRESSURE TREATED D.F. #1 (BY OTHERS).
6. SILL PLATES SHALL NOT BE LESS THAN 2'-0" LONG UNLESS NOTED OTHERWISE.
7. NAILING– IN ACCORDANCE WITH TITLE 24 CCR– TABLE 2304.10.1. NAILS SHALL BE GALVANIZED COMMON NAILS.
8. CONTRACTOR SHALL FILED VERIFY ALL DIMENSIONS AND NOTIFY THE STRUCTURAL IF THERE ARE ANY DISCREPANCIES.
9. ALL DECKS, LANDINGS, AND FLAT SURFACES SHALL HAVE MAXIMUM 1:48 SLOPE IN ALL DIRECTION TO AVOID WATER ACCUMULATION ON TOP OF DECKS, LANDINGS, AND FLAT SURFACES.
10. GUARD RAILS AND/OR WALL ADJACENT TO HANDRAILS SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS OR EDGES.
11. SEE DETAIL 1/S15 & 1/S16 & 3/S16 FOR TYPICAL GUARD RAIL AND HANDRAIL ASSEMBLY.
12. SEE DETAIL 3/S20 FOR CHANGE IN ELEVATION.
13. RAMP, LANDING, STAIRS, AND GROUND SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT AND SHALL COMPLY WITH 11B–302, CBC SECTION 11B–302.1.
14. PROVIDE DIAGONAL BRACING ALL AROUND AND SIDES OF 4'–6" x 6'–0" LANDING PER DETAILS 2/S12 & 3/S12 .
15. RAMP BRACING REQUIRED EACH SIDE OF EACH RAMP/LANDING MODULE WHERE RAMP/LANDING HEIGHT EXCEEDS 20" PER DETAILS 1/S12 2/S12 & 3/S12
16. GUARDS SHALL NOT HAVE OPENINGS THAT ALLOW PASSAGE OF A SPHERE 4" IN DIAMETER.
17. LANDING ASSEMBLY TO BE SECURED TO THE BUILDING/TRAILER PER DETAIL 1/S20 .
18. FOR STAIRS PLAN, SECTION AND DETAILS SEE SHEET S17.
19. PROVIDE 1 1/4"X 12 GA. FLAT PLATE W/ (1) #12 SMS AT EA. END AND BETWEEN LEGS WHERE RAMP/LANDING HEIGHT IS 27" AND HIGHER PER DETAILS 1/S12 2/S12 & 3/S12 .



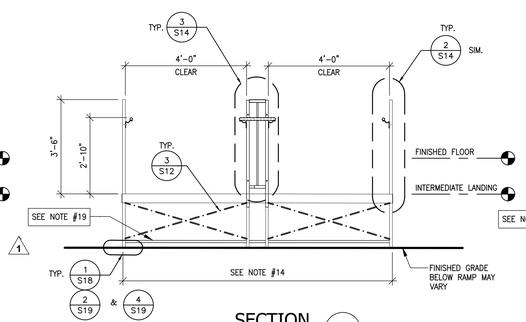
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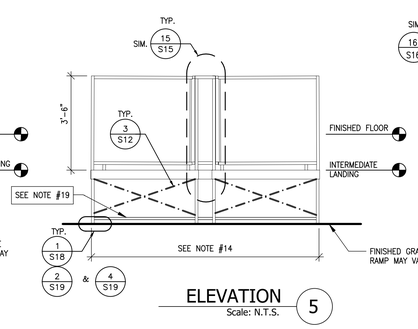
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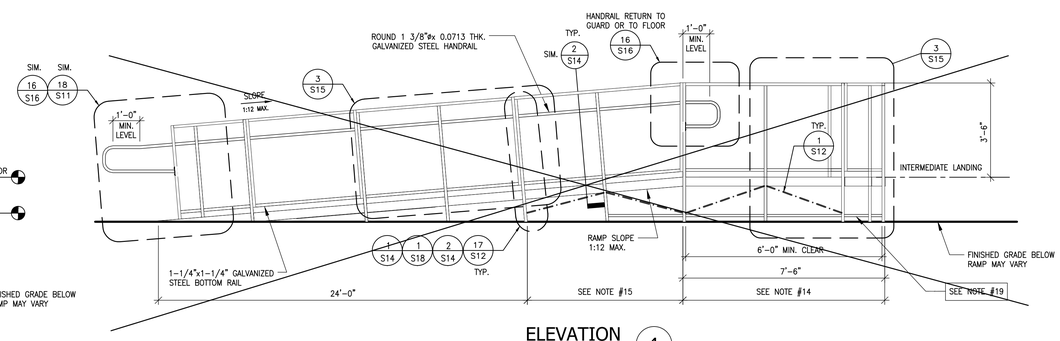
SECTION 7
Scale: N.T.S.



SECTION 6
Scale: N.T.S.



ELEVATION 5
Scale: N.T.S.



ELEVATION 4
Scale: N.T.S.

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DATE: 11/01/2023

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SHEET TITLE: PLANS, TYPICAL RAMP/LANDING CONFIGURATIONS AND ELEVATIONS (LANDING HEIGHT 30" OR LESS)

DATE: 05/22/2023
JOB NO.: 23131
FILENAME: DSA 2023 DRAWING (MRH)
REV.:
DRAWN BY:
APPROVED BY: MH
SCALE: N.T.S.
PLOT DATE: 05/29/2024
SHEET NUMBER: **S5**

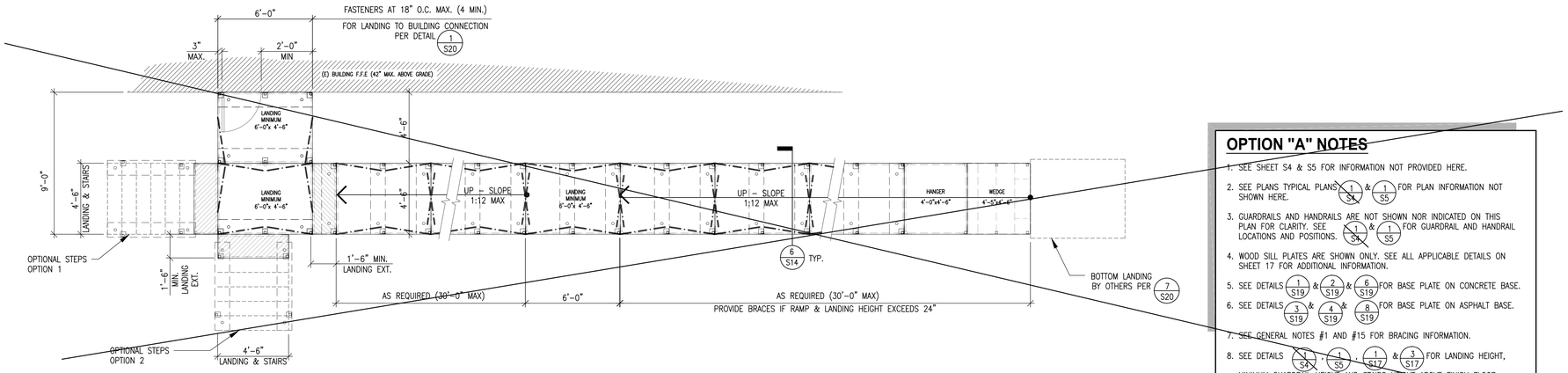
5 of 20

PLOT DATE: May 29, 2024

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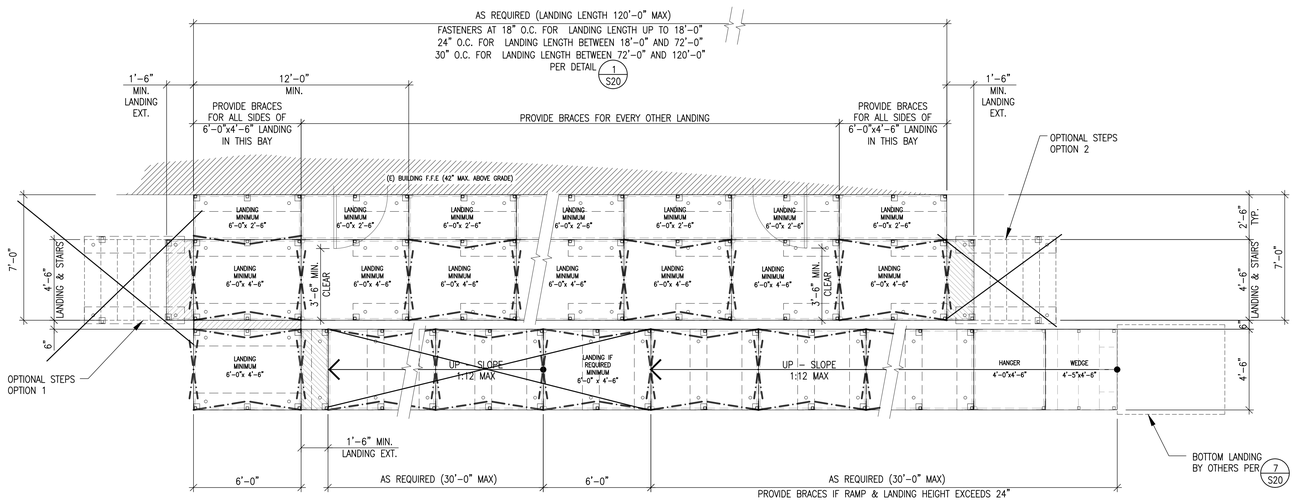
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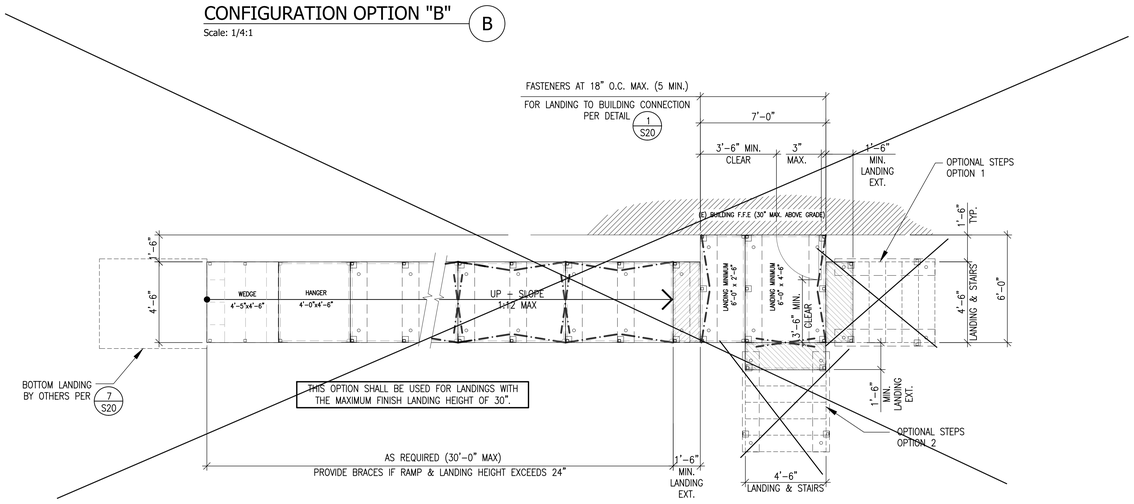
CONFIGURATION OPTION "A" (A)

Scale: 1/4:1



CONFIGURATION OPTION "B"

Scale: 1/4:1



CONFIGURATION OPTION "C"

Scale: 1/4:1

GENERAL NOTES

1. SEE SHEET S-1 FOR NOTES AND LEGEND.
2. SEE SHEETS S-9 THROUGH S-19 FOR TYPICAL & SPECIFIC DETAILS.
3. UNLESS NOTED OTHERWISE, ALL SILL PLATES SHALL BE CONNECTED TO EACH OTHER WITH GALVANIZED NAILS PER DETAILS.
4. UNLESS NOTED OTHERWISE, FOR MINIMUM SILL RESTRAINT: INSTALL 1" DIA. STANDARD (1.315"ø O.D.) SCHEDULE 40 GALVANIZED PIPE AT 10'-0" MAX., PROVIDE MINIMUM OF (2) PIPES PER FOUNDATION SILL PLATE. 12" PENETRATION BELOW SURFACE VERTICALLY. DRILL SILL 1¼" MAX. PIPE MAY BE DRIVEN MAX. OF 45° ANGLE TO VERTICAL. (24" LONG PIPE. REQUIRED FOR PENETRATION AT 45° ANGLE.)
5. ALL FOUNDATION PLATES SHALL BE PRESSURE TREATED D.F. #1 (BY OTHERS).
6. SILL PLATES SHALL NOT BE LESS THAN 2'-0" LONG UNLESS NOTED OTHERWISE.
7. NAILING- IN ACCORDANCE WITH TITLE 24 CCR- TABLE 2304.10.1. NAILS SHALL BE GALVANIZED COMMON NAILS.
8. CONTRACTOR SHALL FILED VERIFY ALL DIMENSIONS AND NOTIFY THE STRUCTURAL IF THERE ARE ANY DISCREPANCIES.
9. ALL DECKS, LANDINGS, AND FLAT SURFACES SHALL HAVE MAXIMUM 1:48 SLOPE IN ALL DIRECTION TO AVOID WATER ACCUMULATION ON TOP OF DECKS, LANDINGS, AND FLAT SURFACES.
10. GUARD RAILS AND/OR WALL ADJACENT TO HANDRAILS SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS OR EDGES.
11. SEE DETAIL 1/S15 & 1/S16 & 3/S16 FOR TYPICAL GUARD RAIL AND HANDRAIL ASSEMBLY.
12. SEE DETAIL 3/S20 FOR CHANGE IN ELEVATION.
13. RAMP, LANDING, STAIRS, AND GROUND SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT AND SHALL COMPLY WITH 11B-302, CBC SECTION 11B-302.1.
14. PROVIDE DIAGONAL BRACING ALL AROUND AND SIDES OF 4'-6" x 6'-0" LANDING PER DETAILS 2/S12 & 3/S12 .
15. RAMP BRACING REQUIRED EACH SIDE OF EACH RAMP/LANDING MODULE WHERE RAMP/LANDING HEIGHT EXCEEDS 20" PER DETAILS 1/S12 , 2/S12 & 3/S12 .
16. GUARDS SHALL NOT HAVE OPENINGS THAT ALLOW PASSAGE OF A SPHERE 4" IN DIAMETER.
17. LANDING ASSEMBLY TO BE SECURED TO THE BUILDING/TRAILER PER DETAIL 1/S20 .
18. FOR STAIRS PLAN, SECTION AND DETAILS SEE SHEET S17.
19. PROVIDE 1 1/4"X 12 GA. FLAT PLATE W/ (1) #12 SMS AT EA. END AND BETWEEN LEGS WHERE RAMP/LANDING HEIGHT IS 27" AND HIGHER PER DETAILS 1/S12 , 2/S12 & 3/S12 .

OPTION "A" NOTES

1. SEE SHEET S4 & S5 FOR INFORMATION NOT PROVIDED HERE.
2. SEE PLANS TYPICAL PLANS 1/S4 & 1/S5 FOR PLAN INFORMATION NOT SHOWN HERE.
3. GUARDRAILS AND HANDRAILS ARE NOT SHOWN NOR INDICATED ON THIS PLAN FOR CLARITY. SEE 1/S4 & 1/S5 FOR GUARDRAIL AND HANDRAIL LOCATIONS AND POSITIONS.
4. WOOD SILL PLATES ARE SHOWN ONLY. SEE ALL APPLICABLE DETAILS ON SHEET 17 FOR ADDITIONAL INFORMATION.
5. SEE DETAILS 1/S19 & 2/S19 & 6/S19 FOR BASE PLATE ON CONCRETE BASE.
6. SEE DETAILS 3/S19 & 4/S19 & 8/S19 FOR BASE PLATE ON ASPHALT BASE.
7. SEE GENERAL NOTES #1 AND #15 FOR BRACING INFORMATION.
8. SEE DETAILS 1/S4 , 1/S5 , 1/S17 & 3/S17 FOR LANDING HEIGHT, MINIMUM GUARDRAIL HEIGHT AND STAIRS HEIGHT ABOVE FINISH FLOOR.

OPTION "B" NOTES

1. SEE SHEET S4 & S5 FOR INFORMATION NOT PROVIDED HERE.
2. SEE PLANS TYPICAL PLANS 1/S4 & 1/S5 FOR PLAN INFORMATION NOT SHOWN HERE.
3. GUARDRAILS AND HANDRAILS ARE NOT SHOWN NOR INDICATED ON THIS PLAN FOR CLARITY. SEE 1/S4 & 1/S5 FOR GUARDRAIL AND HANDRAIL LOCATIONS AND POSITIONS.
4. WOOD SILL PLATES ARE SHOWN ONLY. SEE ALL APPLICABLE DETAILS ON SHEET 17 FOR ADDITIONAL INFORMATION.
5. SEE DETAILS 1/S19 & 2/S19 & 6/S19 FOR BASE PLATE ON CONCRETE BASE.
6. SEE DETAILS 3/S19 & 4/S19 & 8/S19 FOR BASE PLATE ON ASPHALT BASE.
7. SEE GENERAL NOTES #1 AND #15 FOR BRACING INFORMATION.
8. SEE DETAILS 1/S4 , 1/S5 , 1/S17 & 3/S17 FOR LANDING HEIGHT, MINIMUM GUARDRAIL HEIGHT AND STAIRS HEIGHT ABOVE FINISH FLOOR.

OPTION "C" NOTES

1. SEE SHEET S4 & S5 FOR INFORMATION NOT PROVIDED HERE.
2. SEE PLANS TYPICAL PLANS 1/S4 & 1/S5 FOR PLAN INFORMATION NOT SHOWN HERE.
3. GUARDRAILS AND HANDRAILS ARE NOT SHOWN NOR INDICATED ON THIS PLAN FOR CLARITY. SEE 1/S4 & 1/S5 FOR GUARDRAIL AND HANDRAIL LOCATIONS AND POSITIONS.
4. WOOD SILL PLATES ARE SHOWN ONLY. SEE ALL APPLICABLE DETAILS ON SHEET 17 FOR ADDITIONAL INFORMATION.
5. SEE DETAILS 1/S19 & 2/S19 & 6/S19 FOR BASE PLATE ON CONCRETE BASE.
6. SEE DETAILS 3/S19 & 4/S19 & 8/S19 FOR BASE PLATE ON ASPHALT BASE.
7. SEE GENERAL NOTES #1 AND #15 FOR BRACING INFORMATION.
8. SEE DETAILS 1/S4 , 1/S5 , 1/S17 & 3/S17 FOR LANDING HEIGHT, MINIMUM GUARDRAIL HEIGHT AND STAIRS HEIGHT ABOVE FINISH FLOOR.

NO.	REVISION	DATE
1	MODIFICATIONS FOR CLARIFICATION & CONSTRUCTIBILITY	05/29/2024
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APP: 04-122493 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 11/01/2023

DIVISION OF THE STATE ARCHITECTS

SHEET TITLE: PLANS AND TYPICAL RAMP/LANDING CONFIGURATION OPTIONS

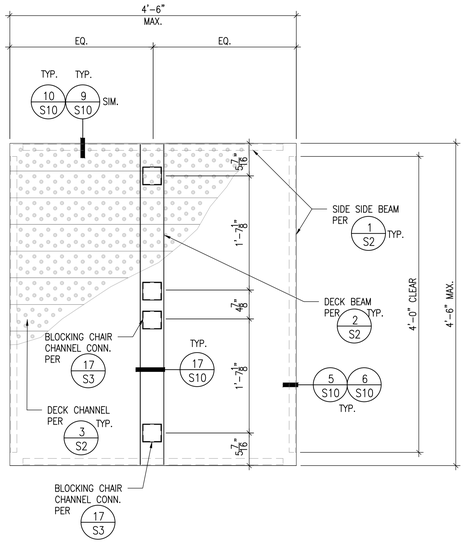
DATE	05/22/2023
JOB NO.	23131
FILENAME	DSA 2023 DRAWING (MRH)
REV.	
DRAWN BY	
APPROVED BY	MH
SCALE	N.T.S.
PLOT DATE	05/29/2024
SHEET NUMBER	S6

PLOT DATE: May 29, 2024

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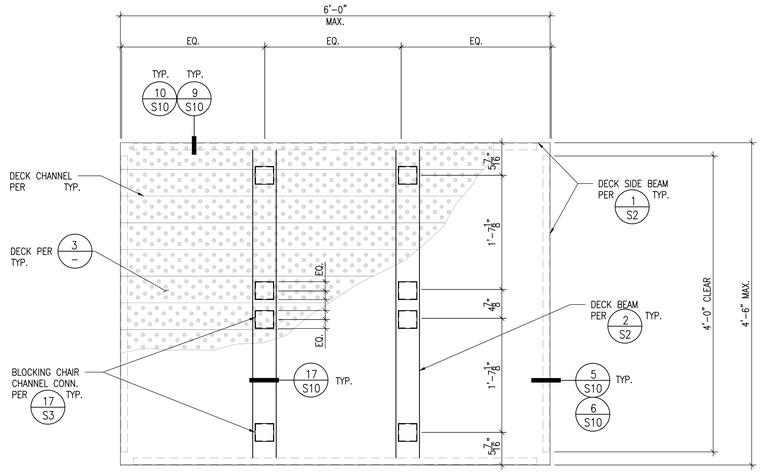
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NOTES:

SEE DETAIL 11/– FOR INFORMATION NOT SHOWN.

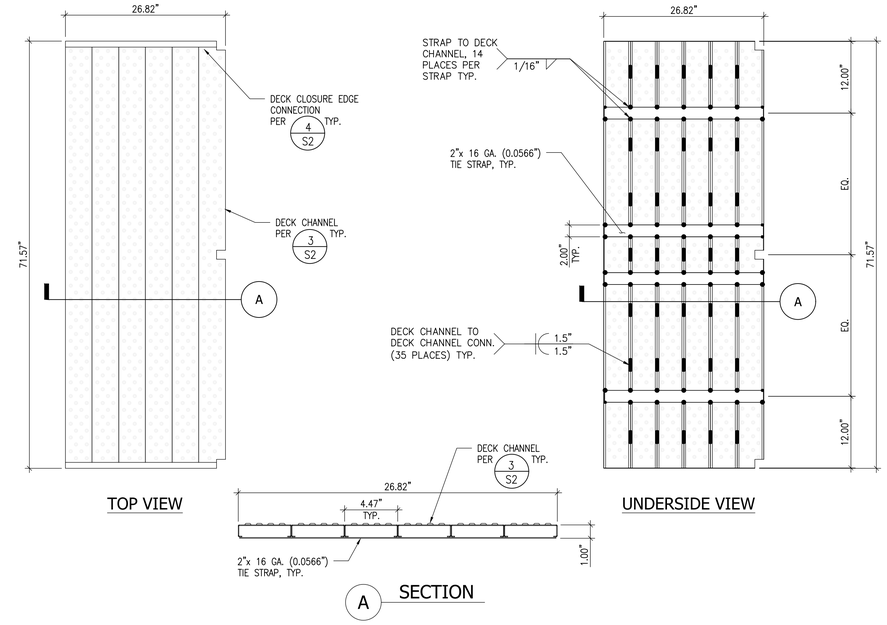
TYP. HANGER (4'-6" x 4'-6" FRAME) 19



NOTES:

1. ALL LANDINGS AND FLAT SURFACES SHALL BE NON–SKID SLOPPED TO DRAIN WATER AND AVOID ACCUMULATION ON TOP OF DECK SURFACE.
2. ALL LANDINGS AND FLAT SURFACES SHALL HAVE MAXIMUM 1:48 SLOPE IN ALL DIRECTION TO AVOID WATER ACCUMULATION ON TOP OF DECK OR FLAT SURFACE.

TYP. HANGER (6'-0" x 4'-6" FRAME) 11



NOTE:

1. ALL LANDINGS AND FLAT SURFACES SHALL BE NON–SKID SLOPPED TO DRAIN WATER AND AVOID ACCUMULATION ON TOP OF DECK SURFACE.
2. ALL LANDINGS AND FLAT SURFACES SHALL HAVE MAXIMUM 1:48 SLOPE IN ALL DIRECTION.

DECK CHANNEL CONNECTION DETAIL 3

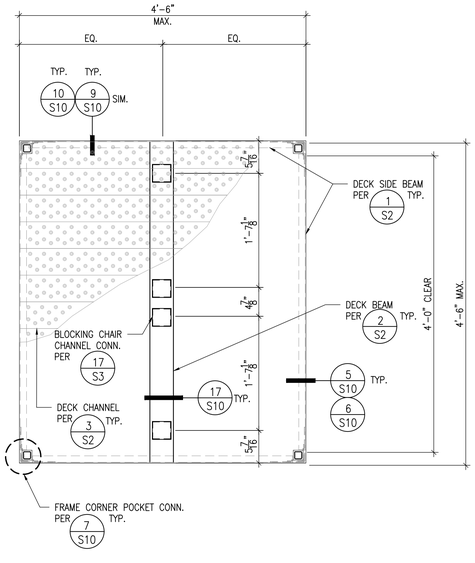
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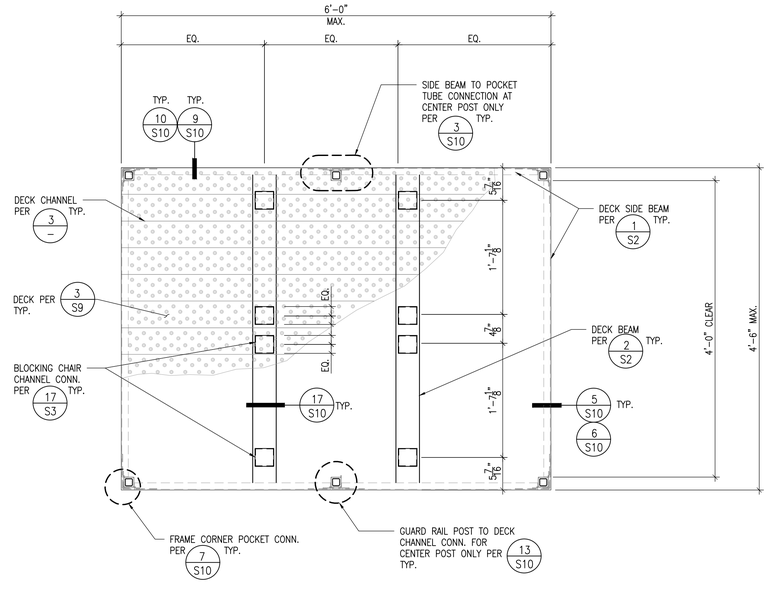
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DATE: 11/01/2023



NOTES:

SEE DETAIL 9/– FOR INFORMATION NOT SHOWN.

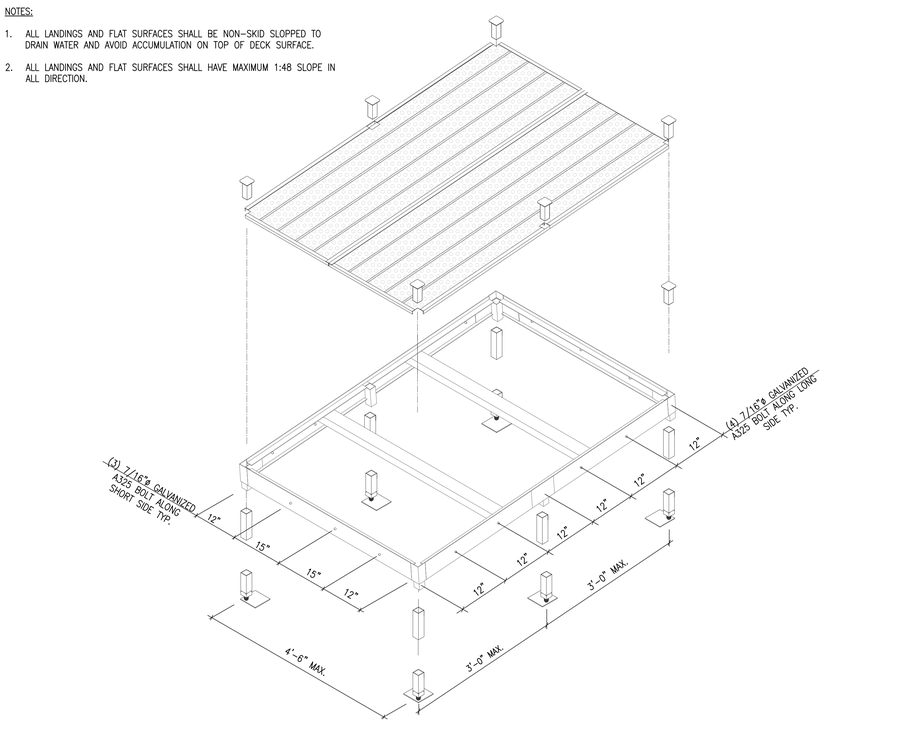
TYP. 4'-6" x 4'-6" FRAME (RAMP AND LANDING) 17



NOTES:

1. ALL LANDINGS AND FLAT SURFACES SHALL BE NON–SKID SLOPPED TO DRAIN WATER AND AVOID ACCUMULATION ON TOP OF DECK SURFACE.
2. ALL LANDINGS AND FLAT SURFACES SHALL HAVE MAXIMUM 1:48 SLOPE IN ALL DIRECTION.

TYP. 4'-6" x 6'-0" FRAME (RAMP AND LANDING) 9



RAMP/ LANDING AXONOMETRIC 1

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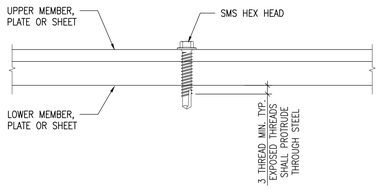
SHEET TITLE: RAMP AND HANGER PLANS AND DECK DETAILS

DATE	05/22/2023
JOB NO.	23131
FILENAME	DSA 2023 DRAWING (MRH)
REV.	
DRAWN BY	
APPROVED BY	MH
SCALE	N.T.S.
PLOT DATE	05/29/2024
SHEET NUMBER	S9

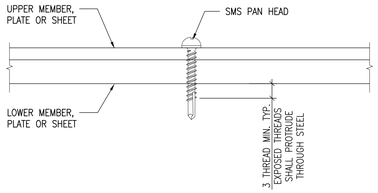
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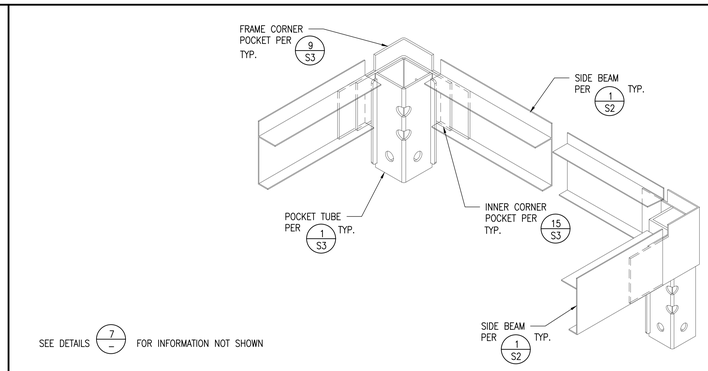
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TYP. HEX HEAD SCREW MIN. THREAD PROJECTION 20

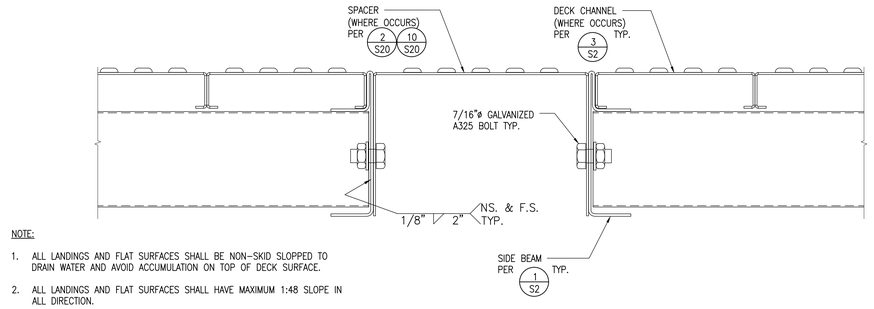


TYP. PAN HEAD SCREW MIN. THREAD PROJECTION 16

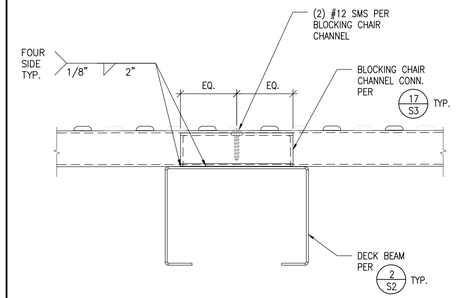


TYP. FRAME CORNER POCKET CONNECTION 8

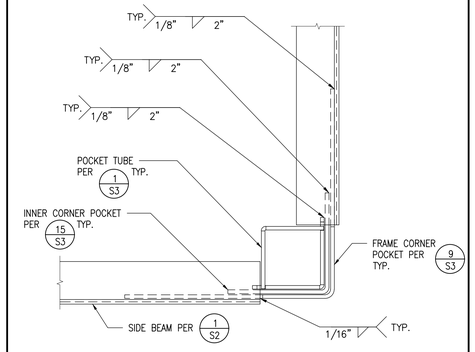
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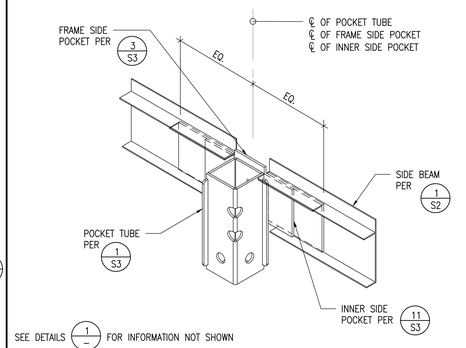
TYP. DECK BM. TO SIDE BM. CONN. W/ SPACER 15



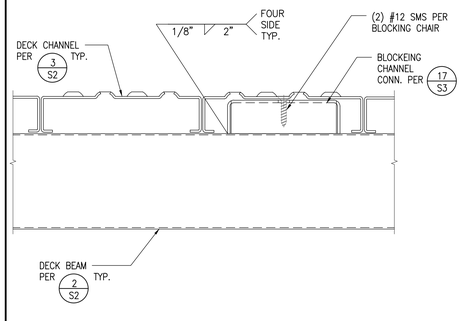
TYP. DECK CHANNEL TO DECK BEAM CONN. 11



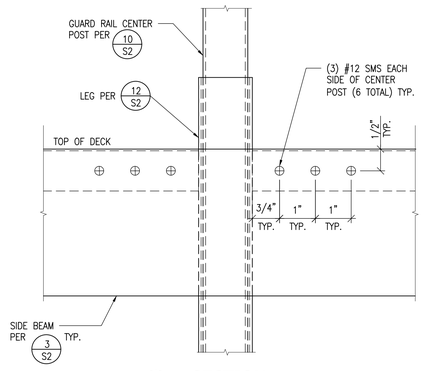
TYP. FRAME CORNER POCKET CONN. 7



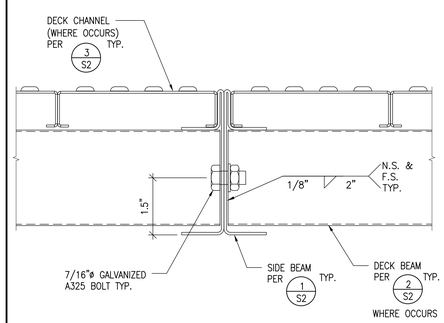
TYP. SIDE BEAM TO POCKET TUBE CONN. 3



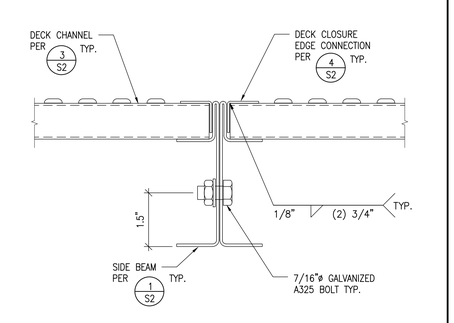
TYP. BLOCKING CHANNEL CONNECTION 18

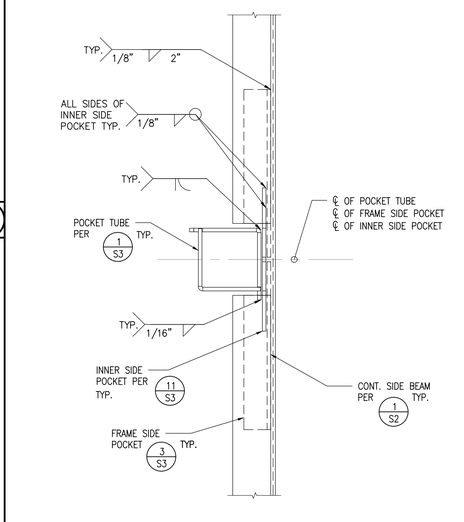


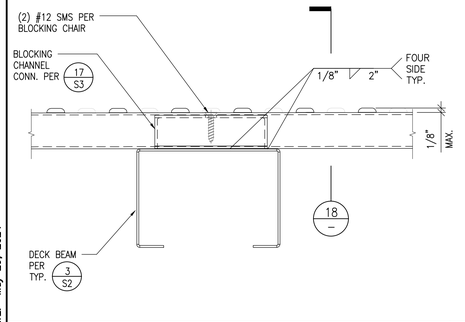
DECK TO DECK CONNECTION 10



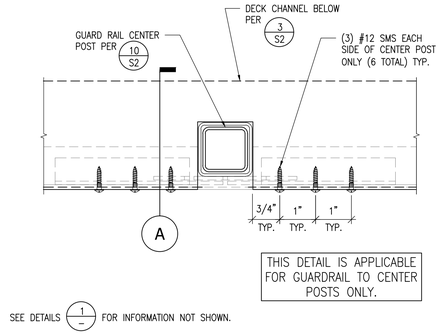
DECK TO DECK CONNECTION 6



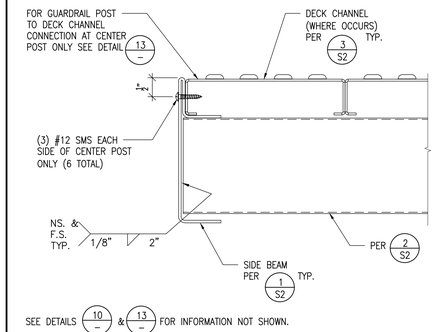




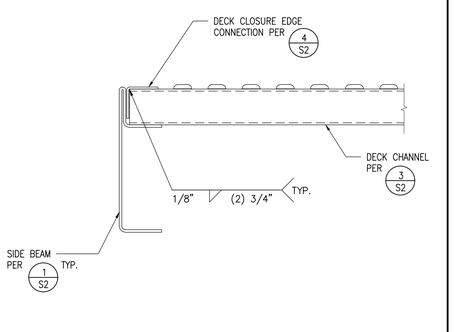
TYP. BLOCKING CHANNEL CONNECTION 17



TYP. DECK CHANNEL TO GUARDRAIL POST CONN. 13



TYP. DECK BEAM TO SIDE BEAM CONN. 9



TYP. DECK CHANNEL TO SIDE BEAM CONN. 5

TYP. SIDE BEAM TO POCKET TUBE CONN. 1

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SHEET TITLE: RAMP AND LANDING DETAILS

DATE: 05/22/2023
JOB NO.: 23131
FILENAME: DSA 2023 DRAWING (MRH)
REV.:
DRAWN BY:
APPROVED BY: MH
SCALE: N.T.S.
PLOT DATE: 05/29/2024
SHEET NUMBER: **S10**
10 of 20

PLOT DATE: May 29, 2024

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