

SYMBOLS

DOOR NUMBER (101) **BUILDING SECTION SHEET WHERE DRAWN** (B4, A3.1)

WINDOW TYPE (A) **WALL SECTION SHEET WHERE DRAWN** (D4, A3.2)

PARTITION TYPE (11) **SECTION DETAIL SHEET WHERE DRAWN** (A1, A5.1)

KEYED NOTE (1.00) **ELEVATION DETAIL SHEET WHERE DRAWN** (A1, A4.1)

ACCESSORY NOTE (A) **EXTERIOR ELEVATION SHEET WHERE DRAWN** (A1, A2.1)

ROOM NAME (101) **ELEVATION DETAIL SHEET WHERE DRAWN** (A1, A4.1)

ROOM NUMBER (101) **ELEVATION DETAIL SHEET WHERE DRAWN** (A1, A4.1)

ROOM AREA / VOLUME (150 SF) **ELEVATION DETAIL SHEET WHERE DRAWN** (A1, A4.1)

CALCULATED OCCUPANT LOAD (3 OCC) **ELEVATION DETAIL SHEET WHERE DRAWN** (A1, A4.1)

ACCESSIBILITY CLEARANCES (TURNING, CLEAR FLOOR) **EXTERIOR ELEVATION SHEET WHERE DRAWN** (A1, A2.1)

INTERIOR ELEVATION VIEW / SHEET WHERE DRAWN (1 / A4.1)

ELEVATION SPOT ELEVATION TAG (A1, A4.1) **ENLARGED DETAIL SHEET WHERE DRAWN** (A1, A4.1)

DRAWING REVISION CLOUD (1) **REVISION NUMBER** (AD) **AD = ADDENDUM**, **FO = FIELD ORDER**, **CO = CHANGE ORDER**

ABBREVIATIONS

ABS ACRYLONITRILE-BUTADIENE-STYRENE	MATL MATERIAL	MAX MAXIMUM
AC ASPHALTIC CONCRETE	MECH MECHANICAL	MEZZ MEZZANINE
A.F.F. ABOVE FINISH FLOOR	MFR MANUFACTURER	MIN MINIMUM
ALT ALTERNATE	MISC MISCELLANEOUS	MO MASONRY OPENING
APPROX APPROXIMATE(LY)	MTL METAL	NIC NOT IN CONTRACT
ARCH ARCHITECTURAL	NO NO. NUMBER	NOM NOMINAL
BD BOARD	NTS NOT TO SCALE	O/ OVER OR APPROVED EQUIVALENT
BLDG BUILDING	OD OUTSIDE DIAMETER	O.C. ON CENTER
BLKG BLOORING	OFDI OWNER FURNISHED/CONTRACTOR INSTALL	OH OVERHEAD
B.O.F. BOTTOM OF FOOTING	OPP OPPOSITE	PARTN PARTITION
BRG BEARING	PERP PERPENDICULAR	PERIM PERIMETER
CI CAST IRON	PLAM PLATE	PLBGM PLUMBING
C.I.P. CAST IN PLACE	PLBGM PLUMBING	PAIR PREFABRICATED
CLJ CONTROL JOINT	PLBGM PLUMBING	PREFIN PREFINISHED
CLG CEILING	PLBGM PLUMBING	PVC POLYVINYL CHLORIDE
CLF CLEAR	QTY QUANTITY	SC SOLID CORE
CMU CONCRETE MASONRY UNIT	RAD RADIUS	SCHED SCHEDULE(D)
COL COLUMN	RD ROOF DRAIN	SM SIMILAR
CONC CONCRETE	REIN REINFORCED(D) / REINFORCING	SPEC SPECIFICATION(S)
CONF CONFERENCE	REQD REQUIRED	SQ SQUARE
CONST CONSTRUCTION	REV REVISION	SS STAINLESS STEEL
CONTR CONTRACTOR	REFR REFRIGERATOR	STOR STORAGE
COORD COORDINATE	RM ROOM	STRUC STRUCTURAL
DEMO (DEMOLISH) DEMOLITION	RO ROUGH OPENING	SUSP SUSPENDED
DIA DIAMETER	RUR RESTROOM	T&G TONGUE AND GROOVE
DN DOWN	RTU ROOF TOP UNIT	TEL TELEPHONE
DR DOOR	SC SCHED	THRES THRESHOLD
DS DOWNSPOUT	SM SIMILAR	T.O. TOP OF
DTL DETAIL	SQ SQUARE	T.O.B. TOP OF BEAM
DWG DRAWING(S)	SS STAINLESS STEEL	T.O.S. TOP OF SLAB / TOP OF STRUCTURE
(E) EXISTING	STOR STORAGE	T.O.D. TOP OF DECK
EIFS EXTERIOR INSULATION & FINISH SYSTEM	STRUC STRUCTURAL	T.O.W. TOP OF WALL
E.J. EXPANSION JOINT	SUSP SUSPENDED	T.S. TUBE STEEL
EL ELEVATION	T&G TONGUE AND GROOVE	TV TELEVISION
ELEC ELECTRICAL	TEL TELEPHONE	TYPC TYPICAL
ELEV ELEVATOR	THRES THRESHOLD	UL UNDERWRITERS LABORATORY
EQ EQUAL	T.O. TOP OF	UNO.N. UNLESS OTHERWISE NOTED
EQUIP EQUIPMENT	T.O.B. TOP OF BEAM	VCT VINYL COMPOSITION TILE
EXIST EXISTING	T.O.S. TOP OF SLAB / TOP OF STRUCTURE	VERT VERTICAL
EXP EXPANSION	T.O.D. TOP OF DECK	VEST VESTIBULE
EXT EXTERIOR	T.O.W. TOP OF WALL	WC WATER CLOSET
FD FLOOR DRAIN	T.S. TUBE STEEL	WF WIDE FLANGE
FDTN FOUNDATION	TV TELEVISION	WH WATER HEATER
FE(C) FIRE EXTINGUISHER (CABINET)	UL UNDERWRITERS LABORATORY	WELF WELDED WIRE FABRIC
FIN FINISH	UNO.N. UNLESS OTHERWISE NOTED	W/ WITH
FLR FLOOR	VCT VINYL COMPOSITION TILE	W/O WITHOUT
FT FEET	VERT VERTICAL	
FTG FOOTING	VEST VESTIBULE	
GA GALVE	WC WATER CLOSET	
GALV GALVANIZED	WF WIDE FLANGE	
GC GENERAL CONTRACTOR	WH WATER HEATER	
GLU-LAM GLUE LAMINATED	WELF WELDED WIRE FABRIC	
GYP GYPSUM	W/ WITH	
HWHD HARDWOOD	W/O WITHOUT	
HM HOLLOW METAL		
HORIZ HOLLOW STRUCTURAL STEEL		
HSS HEIGHT		
HVAC HEATING, VENTILATION & AIR CONDITIONING		
ID INSIDE DIAMETER		
INT INTERIOR		
ISO ISOMETRIC		
JAN JANITOR		
KD KNOCKDOWN		
KO KNOCKOUT		
KOP KNOCKOUT PANEL		
LAB LABORATORY		
LAV LAVATORY		
LLV LONG LEG VERTICAL		
LVL LAMINATED VENEER LUMBER		
LW LIGHT WEIGHT		

KEY TO MATERIALS

EARTH (Pattern)

E.I.F.S. (Pattern)

GRAVEL (Pattern)

COMPACTED GRANULAR FILL (Pattern)

CONCRETE (Pattern)

BRICK (Pattern)

MASONRY / CMU (Pattern)

ALUMINUM (Pattern)

CONTINUOUS WOOD (Pattern)

BATT INSULATION (Pattern)

STEEL (Pattern)

WOOD BLOCKING (Pattern)

RIGID INSULATION (Pattern)

NEW WOOD STUD FRAMING (Pattern)

PLYWOOD (Pattern)

ADMINISTRATIVE NOTES

- ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, C.C.R. 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, C.C.R. A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-337(C), PART 1, TITLE 24, C.C.R.)
- A COPY OF PARTS 1 AND 2, TITLE 24 C.C.R. SHALL BE KEPT ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
- CHANGE TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, C.C.R. AND PER DSA IR A-6.
- TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH SECTION 4-335 OF PART 1, TITLE 24 AND THE DISTRICT SHALL EMPLOY AND PAY THE LABORATORY. COSTS OF RE-TEST MAY BE BACK CHARGED TO THE CONTRACTOR.
- A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
- DSA SHALL BE NOTIFIED AT THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF CONCRETE PER SECTION 4-331, PART 1, TITLE 24, C.C.R.
- 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, C.C.R. INSPECTION SHALL BE IN ACCORDANCE WITH SECTION 4-333 (B).
- SUPERVISION OF CONSTRUCTION BY DSA SHALL BE IN ACCORDANCE WITH SECTION 4-334, PART 1, TITLE 24, C.C.R.
- CONTRACTOR, INSPECTOR, ARCHITECT, AND ENGINEERS SHALL SUBMIT VERIFIED REPORTS (FORM DSA-8) IN ACCORDANCE WITH SECTION 4-336 AND 4-343, PART 1, TITLE 24, C.C.R. THE ARCHITECT AND THE STRUCTURAL ENGINEER SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH SECTION 4-333(A) AND 4-341, PART 1, TITLE 24, C.C.R.
- THE CONTRACTOR SHALL PERFORM HIS DUTIES IN ACCORDANCE WITH SECTION 4-343, PART 1, TITLE 24, C.C.R.
- NO CHANGES OR REVISIONS SHALL BE MADE FOLLOWING WRITTEN APPROVAL WHICH AFFECTS ACCESS COMPLIANCE ITEMS UNLESS SUCH CHANGES OR REVISIONS ARE SUBMITTED TO THE DSA FOR APPROVAL.
- SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE SUBMITTED AS A CONSTRUCTION CHANGE DOCUMENT OR ADDENDA, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION.
- CONSTRUCTION CHANGE DOCUMENTS MUST BE SIGNED BY THE FOLLOWING: ARCHITECT OR ENGINEER OF RECORD, STRUCTURAL ENGINEER (WHEN APPLICABLE), DELEGATED PROFESSIONAL ENGINEER, DSA.
- MATERIALS AND THEIR INSTALLATION SHALL COMPLY WITH APPLICABLE CODES, STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
- PER CBC 11B-104.1 ALL DIMENSIONS ARE SUBJECT TO CONVENTIONAL INDUSTRY TOLERANCES EXCEPT WHERE THE REQUIREMENT IS STATED AS A RANGE WITH SPECIFIC MINIMUM AND MAXIMUM END POINTS.
- NEWLY INSTALLED AND/OR UPGRADED FIRE ALARM:
 - THE ENTIRE LENGTH OF STROBE LIGHT IS BETWEEN 80" AND 96"
 - FLASH RATE SHALL NOT EXCEED 2 FLASHES PER SECOND NOR LESS THAN 1 FLASH PER SECOND.
 - MANUAL ALARM ACTIVATING HANDLE 42"-48"
 - BOXES TO COMPLY WITH CBC 11B-309.4, NO TIGHT GRASPING, PINCHING OR TWISTING OF THE WIRES

APPLICABLE CODES

- 2022 CALIFORNIA BUILDING STANDARD ADMINISTRATIVE CODE PART 1, TITLE 24 C.C.R.
- 2022 CALIFORNIA BUILDING CODE (CBC) PART 2, TITLE 24 C.C.R.
- 2022 CALIFORNIA ELECTRICAL CODE (CEC) PART 3, TITLE 24 C.C.R.
- 2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
- 2022 CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24 C.C.R.
- 2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
- 2022 CALIFORNIA FIRE CODE (CFC) PART 9, TITLE 24 C.C.R.
- 2022 CALIFORNIA REFERENCED STANDARD CODE PART 12, TITLE 24 C.C.R.
- TITLE 19 C.C.R. PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS
- NFPA 72, NATIONAL FIRE ALARM CODE, WITH CALIFORNIA AMENDMENTS, 2022 EDITION
- NFPA 13, AUTOMATIC SPRINKLER SYSTEM WITH CALIFORNIA AMENDMENTS, 2022 EDITION
- NFPA 24, PRIVATE FIRE MAINS, 2019 EDITION
- NFPA 14, STANDPIPE, PRIVATE FIRE HYDRANT HOSE SYSTEMS 2019 EDITION
- REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS - 2022 CBC CHAPTER 35 AND 2022 CFC CHAPTER 80

THE ABOVE CODES AND REGULATIONS REFER TO THE LATEST EDITION OR REVISION IN FORCE ON THE DATE OF THE CONTRACT, UNLESS OTHERWISE STATED. NOTHING ON THE DRAWINGS IS TO BE CONSIDERED AS REQUIRING OR PERMITTING THAT IS CONTRARY TO THE LISTED CODES AND REGULATIONS, OR OTHER LOCAL, STATE OR FEDERAL, CODES OR REGULATIONS WHICH MAY BE APPLICABLE. COMPLIANCE WITH CFC CHAPTER 35, FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION, AND CBC CHAPTER 33, SAFETY DURING CONSTRUCTION WILL BE ENFORCED

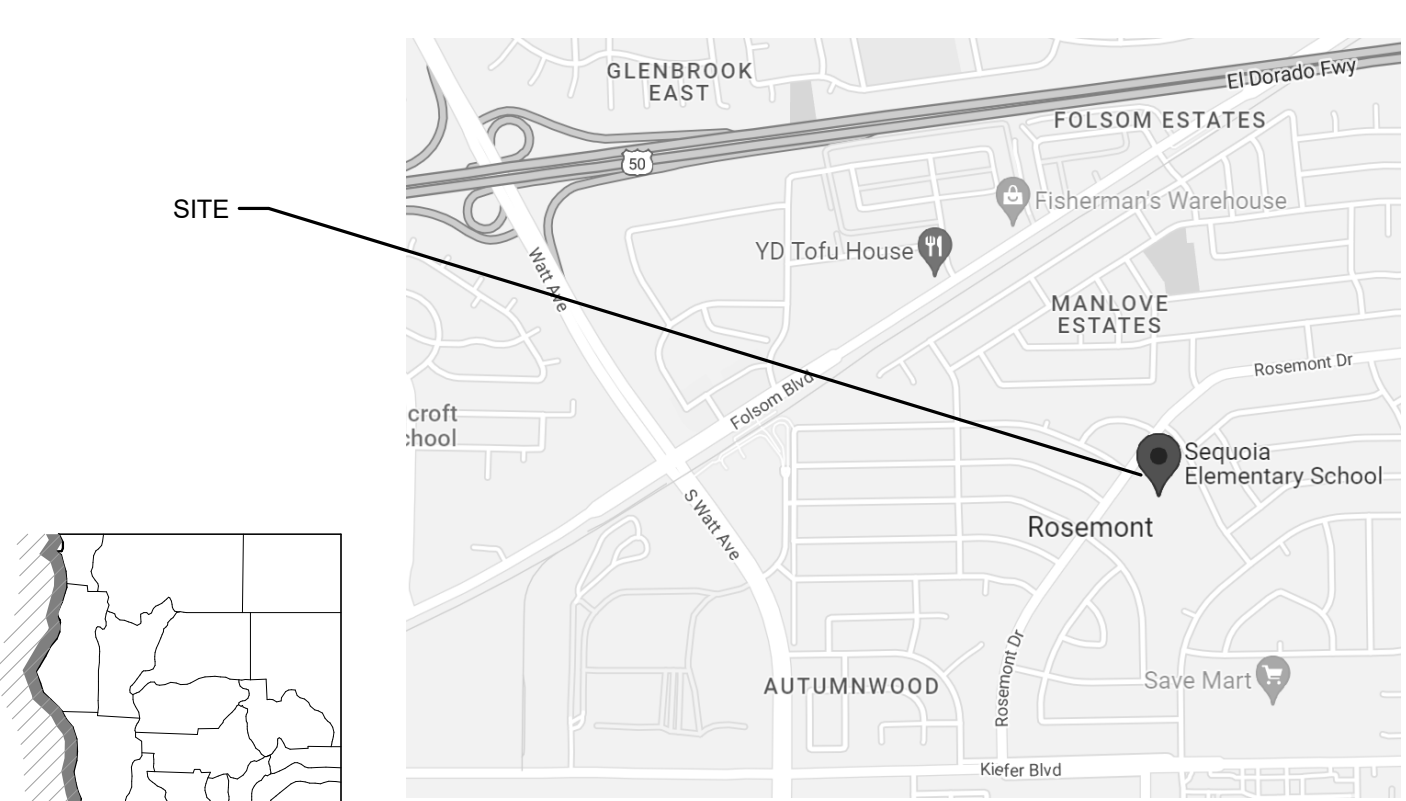
CONSULTANTS

CIVIL ENGINEER: WARREN CONSULTING 1117 WINDMILL WAY, SUITE 110 EL DORADO HILLS, CA 95762 916-825-8671	STRUCTURAL ENGINEER: POINT 2 STRUCTURAL ENGINEERS 3701 BUSINESS DRIVE, SUITE 100 SACRAMENTO, CA 95820 916-452-8200
LANDSCAPING: MTW GROUP LANDSCAPE ARCHITECTURE 2707 K STREET, SUITE 201 SACRAMENTO, CA 95816 916-369-3990	ELECTRICAL ENGINEER: M.NEL'S ENGINEERING 100 HOW AVENUE, SUITE 235 N. SACRAMENTO, CA 95825 916-823-4400
MECHANICAL / PLUMBING: WESTON & ASSOCIATES MECHANICAL ENGINEERS 801 UNIVERSITY AVENUE, SUITE 260 SACRAMENTO, CA 95866 916-482-0820	

SCOPE OF WORK

- DEMOLITION AND REPLACEMENT OF EXISTING TOILET BUILDING, WITH ASSOCIATED SITE AND UTILITY WORK.
- REMOVAL AND REPLACEMENT OF EXISTING SITE FENCING AND GATES.
- DEFERRED ITEMS: NONE

VICINITY MAP



SEQUOIA ELEMENTARY SCHOOL

REPLACEMENT TOILET BUILDING AND SECURITY FENCING

3333 ROSEMONT DR
SACRAMENTO, CA 95826

SACRAMENTO COUNTY

SHEET INDEX

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GENERAL	
G001	COVER SHEET
GS101F	OVERALL SITE - FIRE MARSHAL
AS99	OVERALL ARCHITECTURAL SITE DEMOLITION PLAN
AS100	OVERALL SITE ACCESSIBILITY REVIEW
AS101	OVERALL ARCHITECTURAL SITE PLAN
AS102	ENLARGED ARCHITECTURAL SITE PLANS
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C0.2	TOPOGRAPHIC SURVEY
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A181	REFLECTED CEILING PLANS
A221	EXTERIOR ELEVATIONS
A301	SECTIONS
A541	WALL TYPES, ROOF & MISC. DETAILS
A562	MISC. DETAILS & STANDING SEAM ROOF DETAILS
A571	DOOR & WINDOW DETAILS
A581	REFLECTED CEILING PLAN DETAILS
A591	ACCESSIBILITY STANDARDS & MOUNTING HEIGHTS
A592	STANDARD MOUNTING HEIGHTS & CASEWORK DETAILS
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S1.2	TYPICAL DETAILS
S1.3	TYPICAL DETAILS
S2.0	PLANS
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S4.0	DETAILS
S5.0	DETAILS
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M6.1	MECHANICAL DETAILS
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P0.1	PLUMBING SCHEDULES LEGEND & NOTES
P0.2	PLUMBING SCHEDULES LEGEND & NOTES
P1.1	PLUMBING FLOOR PLANS
P6.1	PLUMBING DETAILS
P7.1	TITE 24 CALCULATIONS

48 PAGES TOTAL

NOTE TO CONTRACTOR:

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

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

MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.

A LISTING OF CERTIFIED ATTS CAN BE FOUND AT:
<https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance>

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

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

GENERAL NOTES

- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO SEE TO IT THAT ALL MATERIALS AND/OR WORK DESCRIBED, DEPICTED OR DETAILED WITHIN THESE DOCUMENTS, BE FURNISHED AND OR INSTALLED REGARDLESS OF THE LOCATION OF THAT MATERIAL OR WORK WITHIN THE DOCUMENTS OR OMISSION (WHETHER DELIBERATE OR ACCIDENTAL) OF THAT MATERIAL OR WORK BY A SUBCONTRACTOR OR HISHER BID.
- ALL CONTRACTORS, WHETHER THE GENERAL OR SUB, SHALL CONSIDER THESE DOCUMENTS IN THEIR ENTIRETY. DISCREPANCIES OR CONTRADICTIONS BETWEEN PORTIONS OF THESE DOCUMENTS MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AT LEAST 48 HRS PRIOR TO BID OPENING FOR CLARIFICATION. OTHERWISE EITHER DESCRIPTION OR INSTRUCTION SHALL BE IN FORCE UNTIL ONE IS OMITTED BY THE ARCHITECT, AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING TEMPORARY FENCING AND GATES, SIGNAGE, SECURITY LIGHTING OR OTHER SECURITY AND CONTROL MEASURES NECESSARY TO PROVIDE FOR THE SAFETY OF STUDENTS, FACULTY AND STAFF AROUND THE WORK, UNTIL THE COMPLETION OF THE WORK UNLESS OTHERWISE DETERMINED BY THE ARCHITECT OR CONSTRUCTION MANAGER.
- THE CONTRACTOR IS RESPONSIBLE TO REPAIR AND/OR REPLACE ALL DISTRICT PROPERTY DAMAGED DURING THE COURSE OF THE WORK, ESPECIALLY BUT NOT LIMITED TO ASPHALT PAVING AROUND THE SITE, STAGING AREA OR PATH OF TRAVEL TO EITHER.
- THE CONTRACTOR SHALL LIMIT HIS/HER ACTIVITY TO THE AREA DESCRIBED WITHIN THE DOCUMENTS SO AS TO LIMIT HIS/HER LIABILITY FOR DAMAGED PROPERTY UNLESS OTHERWISE PERMITTED BY THE CONSTRUCTION MANAGER OR OWNER.
- ALL WORK SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF ALL APPLICABLE CODES. SEE LIST THIS SHEET.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION EXCEPT DSA APPROVAL.
- ALL DIMENSIONS SHALL BE FACE OF STUD, UNLESS OTHERWISE NOTED. DIMENSIONS NOTED AS "CLR" MEAN CLEAR DIMENSION TO FACE OF FINISH. VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND.
- ALL ITEMS IN THESE DRAWINGS ARE NEW UNLESS OTHERWISE NOTED.
- SCHEDULE ALL WORK OUTSIDE THE "EXTENT OF WORK" SET FORTH IN THESE DOCUMENTS WITH THE CONSTRUCTION MANAGER INCLUDING ACCESS AND STORAGE. THE CONSTRUCTION SCHEDULE SHALL BE APPROVED BY THE OWNER PRIOR TO THE START OF CONSTRUCTION.
- ALL UTILITIES REQUIRED FOR THE CONTINUOUS OPERATION OF ALL EXISTING FACILITIES TO REMAIN SACRAMENTO MAINTAINED IN SERVICE AT ALL TIMES. ANY SHUT DOWNS FOR NEW CONNECTIONS MUST BE COORDINATED WITH THE CONSTRUCTION MANAGER TWO WEEKS PRIOR TO THE REQUESTED SHUT DOWN.
- THE CONTRACTOR IS RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY ITEMS DAMAGED OR DISTURBED DURING THE COURSE OF THE WORK. INSTALLATION SHALL MATCH EXISTING IN KIND, QUALITY, AND PERFORMANCE.
- THE CONTRACTOR SHALL CONTAIN ALL DUST AND DEBRIS TO THE CONSTRUCTION AREA. BROOM CLEAN ALL SIDEWALKS AND DRIVEWAYS EACH DAY. KEEP DIRT AND DUST TO A MINIMUM.
- ALL REMODELED ITEMS LISTED TO BE SALVAGED FOR THE OWNER SHALL BE DELIVERED TO A PLACE OF STORAGE AS DIRECTED BY THE OWNER. ALL OTHER ITEMS MUST BE DISPOSED OFF SITE IN A LEGAL MANNER.
- ALL WORK SHALL BE EXECUTED IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO THE PUBLIC AND TO OCCUPANTS OF EXISTING BUILDINGS.
- THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR THE SAFETY OF ALL PERSONS ON OR ABOUT THE CONSTRUCTION SITE, IN ACCORDANCE WITH APPLICABLE LAWS AND CODES. GUARD ALL HAZARDS IN ACCORDANCE WITH THE SAFETY PROVISIONS OF THE LATEST MANUAL OF ACCIDENT PREVENTION PUBLISHED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA.

A. COORDINATION WITH OTHER CONTRACTS: IF ANY PART OF THIS CONTRACTOR'S WORK DEPENDS UPON THE WORK OF A SEPARATE CONTRACTOR, THIS CONTRACTOR SHALL INSPECT SUCH OTHER WORK AND PROMPTLY REPORT IN WRITING TO THE CONSTRUCTION MANAGER ANY DEFECTS IN SUCH OTHER WORK THAT RENDER IT UNSUITABLE TO RECEIVE THE WORK OF THIS CONTRACTOR. FAILURE OF THIS CONTRACTOR TO SO INSPECT AND REPORT SHALL CONSTITUTE AN ACCEPTANCE OF THE OTHER CONTRACTOR'S WORK, EXCEPT AS TO DEFECTS WHICH MAY DEVELOP IN OTHER CONTRACTOR'S WORK AFTER EXECUTION OF THIS CONTRACTOR'S WORK.

B. COORDINATION SCHEDULE: PORTIONS OF WORK UNDER THIS CONTRACTOR'S WORK MUST BE COMPLETED ON SCHEDULE IN ORDER FOR OTHER NOT-IN-CONTRACT WORK TO BE COMPLETED BY OTHERS. COORDINATION WITH THE CONSTRUCTION MANAGER AND STRICT ADHERENCE TO THE COMPLETION DATES FOR DESIGNATED PORTIONS OF WORK ARE IMPERATIVE. SEE SPECIFICATIONS FOR LIQUIDATED DAMAGES.

C. DEMOLITION IS NOT NECESSARILY LIMITED TO ONLY WHAT IS SHOWN ON THIS OR OTHER DRAWINGS OR AS OUTLINED IN THE SPECIFICATIONS. THE INTENT IS TO INDICATE GENERAL SCOPE OF DEMOLITION REQUIRED TO COMPLETE THE PROJECT WITH THE CONSTRUCTION DOCUMENTS.

D. OF PARTICULAR IMPORTANCE IS THE NEED FOR CONTRACTOR TO ASSURE THAT ALL PERSONS ENTERING A POSSIBLY HAZARDOUS AREA, INCLUDING SUPERINTENDENTS, WORKERS, SUBCONTRACTORS, OTHER CONTRACTORS, AND OTHER PERSONS NOT UNDER CONTRACTUAL CONTROL TO THE CONTRACTOR, ARE AWARE OF PROCEDURES.

E. SPECIAL ATTENTION IS CALLED TO THE REQUIREMENT OF THE CONTRACTOR TO COMPLY WITH DSA REQUIREMENTS IN GENERAL AND WITH REGULATIONS IN REGARDS TO ASBESTOS IN PARTICULAR. THESE REGULATIONS ARE STATED IN SECTION 5208, ASBESTOS REGULATIONS, OF TITLE 8, CALIFORNIA CODES OF REGULATIONS. THIS SECTION STIPULATES THAT THE CONTRACTOR MUST INITIATE REPORTS, TESTS, SIGNS AND OTHER ACTIVITIES UNDER CERTAIN JOB CONDITIONS.

F. ALL PIPE AND DUCT PENETRATIONS THROUGH FIRE RATED CONSTRUCTION SHALL BE FIRE STOPPED AND SEALED TO MAINTAIN THE RATED RATING.

G. DETAIL DRAWINGS WITH REFERENCES TO FIRE-RATED ASSEMBLIES OR CONSTRUCTION WHICH HAVE BEEN TESTED BY UNDERWRITERS LABORATORIES, THE CALIFORNIA BUILDING CODE OR ANY OTHER APPROVED TESTING AGENCY, SHALL BE CONSTRUED TO INDICATE ALL CONSTRUCTION AND PROCEDURES CONTAINED IN THE REFERENCED ASSEMBLY FOR CONSTRUCTION.

H. CONTRACTOR TO MAINTAIN CONTINUOUSLY RECORDED "AS-BUILT" INFORMATION OF ALL WORK WHICH SHALL BE MARKED IN COLOR ON THE DRAWINGS AND SPECIFICATIONS. A SCANNED PDF OF THE "AS-BUILT" DRAWINGS AND SPECIFICATIONS SHALL BE PROVIDED TO THE OWNER'S REPRESENTATIVE PRIOR TO FINAL APPLICATION FOR PAYMENT. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

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DATE: 04/12/2023

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Sacramento, CA 95818

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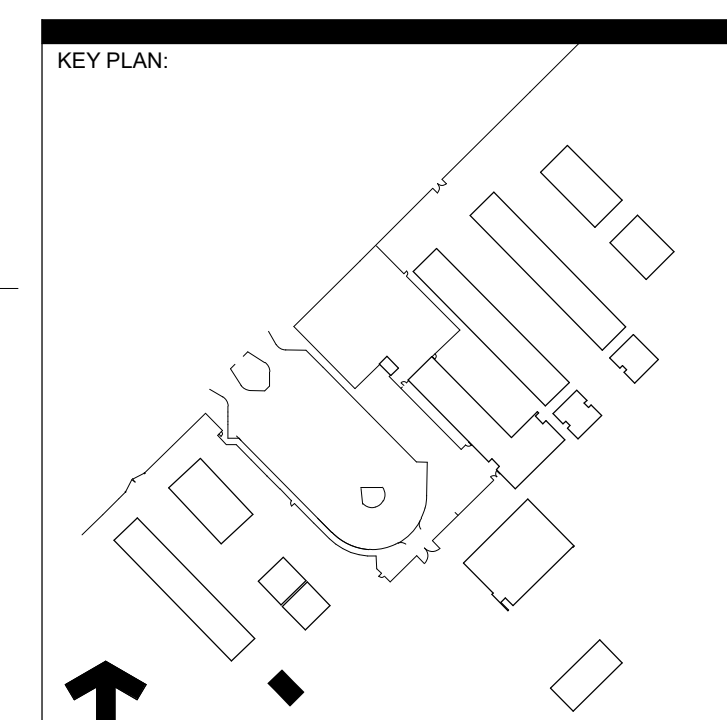


CONSULTANT:
PROJECT NAME:
SEQUOIA ELEMENTARY SCHOOL

3333 ROSEMONT DR
SACRAMENTO, CA 95826

REPLACEMENT TOILET BUILDING AND SECURITY FENCING

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE
SACRAMENTO, CA 95824
SACRAMENTO COUNTY



SHEET TITLE:
COVER SHEET

JOB NUMBER: SHEET NUMBER:
DATE: APRIL 5, 2023
REVISION:
G001

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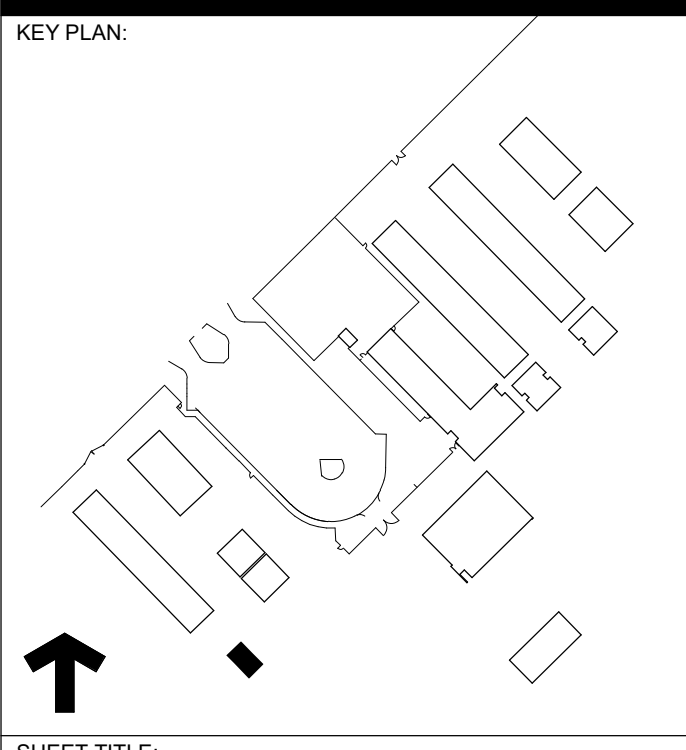
PROJECT NAME:
SEQUOIA ELEMENTARY SCHOOL

3333 ROSEMONT DR
 SACRAMENTO, CA 95826

**REPLACEMENT
 TOILET BUILDING
 AND SECURITY
 FENCING**

SACRAMENTO CITY UNIFIED
 SCHOOL DISTRICT

5735 47TH AVENUE
 SACRAMENTO, CA 95824
 SACRAMENTO COUNTY



SHEET TITLE:
**OVERALL SITE - FIRE
 MARSHAL**

JOB NUMBER: SHEET NUMBER:
 DATE:
 APRIL 5, 2023
 REVISION:
GS101F

GENERAL NOTES

- ALL (E) GATES ALONG THE FIRE TRUCK ROUTE SHALL BE MIN. 20'-0" CLEAR U.O.N.
- PROVIDE KNOX PADLOCKS AT ALL EXISTING AND NEW GATES ALONG THE FIRE TRUCK ROUTE. FIELD VERIFY EXACT NUMBER OF LOCKSETS NEEDED. COORDINATE WITH LOCAL AUTHORITY FOR TYPE OF LOCKSET.
- FIRE TRUCK ROUTE TO MAINTAIN A 20'-0" MIN. WIDTH U.O.N. BOTH SIDES PAINTED 4" RED LINES WITH "FIRE LANE NO PARKING" AT EVERY 25'-0".
- UPON COMPLETION OF CONSTRUCTION, THE LOCAL FIRE DEPARTMENT AND/OR EMERGENCY COMMUNICATIONS AUTHORITY WILL BE CONTACTED TO OBTAIN DESIGN AND EQUIPMENT SPECIFICATIONS, AND TESTING AND ACCEPTANCE CRITERIA FOR EMERGENCY RESPONDER RADIO COVERAGE (ERRC) PER CFC 510. UPON COMPLETION, COPIES OF THE APPROVED PLANS, EQUIPMENT DATA SHEETS, AND PROOF OF TESTING AND ACCEPTANCE DOCUMENTATION SHALL BE PROVIDED TO THE SCHOOL DISTRICT.

LEGEND

- EXISTING CAMPUS BUILDINGS N.I.C. UNLESS OTHERWISE NOTED.
- PROPOSED TOILET BUILDING.
- NEW ORNAMENTAL FENCE / GATE(S) PER THIS APPLICATION.
- EXISTING FIRE LANE TO REMAIN.
- (E) FIRE HYDRANT TO REMAIN (400' RADIUS SHOWN DASHED)

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 buildings, 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. Acknowledgment 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 stamped 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 stamped 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:	SACRAMENTO CITY UNIFIED
Project Name/School:	SEQUOIA ES TOILET BUILDING AND SECURITY FENCING
Project Address:	3333 ROSEMONT DR, SACRAMENTO, CA 95826

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 <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2. Was the fire hydrant water flow test performed as part of the LFA review?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
3. Is the project located within a designated fire hazard severity zone (FHSZ) as established by CalFire? (If yes, indicate FHSZ classification below.)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Refer to the following website for FHSZ locations: https://www.fire.ca.gov/	Moderate <input type="checkbox"/>	High <input type="checkbox"/>
Wildland Interface Area (WIA)? (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)	WIA <input type="checkbox"/>	

DSA 810 (revised 1/2020) DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
 DIVISION OF THE STATE ARCHITECT

CONCRETE MEANS AND METHODS RESOLUTION

CONCRETE MEANS AND METHODS RESOLUTION	ALTERNATE ACCEPTED			
	Yes	No	N/A	NK
4. Emergency vehicle access roadways do not meet CFC requirements.				<input checked="" type="checkbox"/>
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.				<input checked="" type="checkbox"/>
5. Fire Hydrants: Number and spacing does not meet CFC requirements.				<input checked="" type="checkbox"/>
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.				<input checked="" type="checkbox"/>
6. Fire Hydrants: Water flow and pressure are less than CFC minimum.				<input checked="" type="checkbox"/>
6a. Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				<input checked="" type="checkbox"/>
7. Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.				<input checked="" type="checkbox"/>
7a. Acceptable Alternate: The location of the department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing the suppression and protection of life and property.				<input checked="" type="checkbox"/>

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 in 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: _____

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 DIVISION OF THE STATE ARCHITECT

KEYED NOTES

- 1.00 →
 6.31 CONTRACTOR TO PROVIDE BLACK KNOX BOX MOUNTED TO ORNAMENTAL GATE POST.

CODE ANALYSIS

BUILDING FUNCTION: RESTROOM
BUILDING USE CLASSIFICATION (SECTION 305):
 BUILDING OCCUPANCY: E

TYPE OF CONSTRUCTION (TABLE 601):
 TYPE V-B:
 FIRE-RESISTANCE RATING REQUIREMENTS:
 0-HR PRIMARY STRUCTURAL FRAME
 0-HR EXTERIOR BEARING WALLS
 0-HR INTERIOR BEARING WALLS
 0-HR NON-BEARING WALLS AND PARTITIONS
 0-HR FLOOR CONSTRUCTION AND SECONDARY MEMBERS
 0-HR ROOF CONSTRUCTION AND SECONDARY MEMBERS

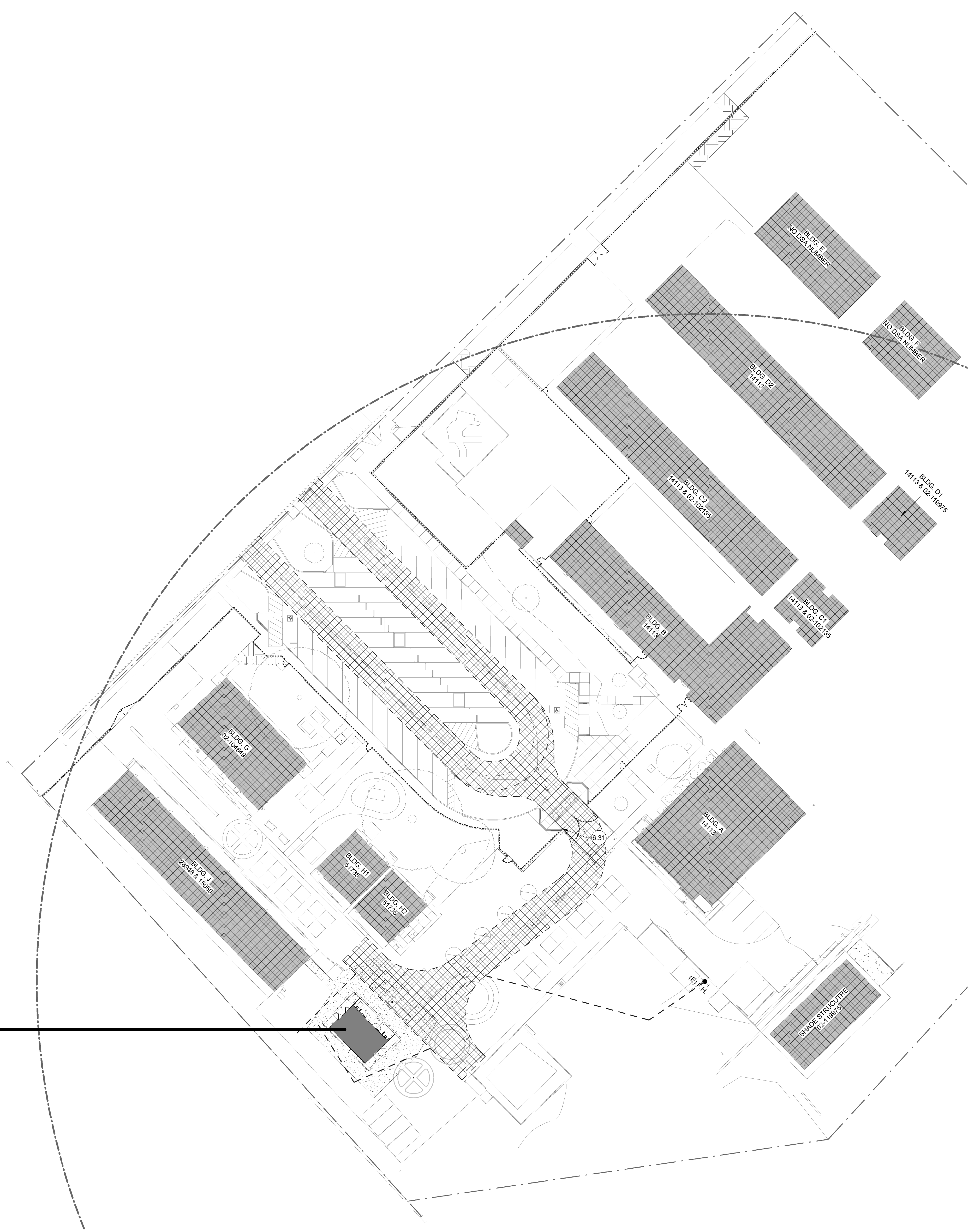
CHAPTER 5 - BUILDING HEIGHT AND AREA (TABLE 504.3 & 506.2):
 OCCUPANCY E, CONST. TYPE II-B:
 ALLOWABLE: ACTUAL DESIGN:

GROUP E	12'-0" HEIGHT
55' HEIGHT	1 STORY
2 STORY	570 GSF
9,500 GSF	

CALCULATED AREAS (GROSS SQUARE FEET AS INDICATED IN PLAN):
 NEW FLOOR AREA = 570 SF
 GRAND TOTAL BUILDING AREA = 570 SF

CHAPTER 10 - MEANS OF EGRESS:
 OCCUPANT LOADS PER ROOM SHOWN ON PLAN.
 TOTAL OCCUPANT LOAD PER CBC 1004.5: 15 S.F. PER OCC. TOTAL S.F. 570/20 = 28 TOTAL OCC.

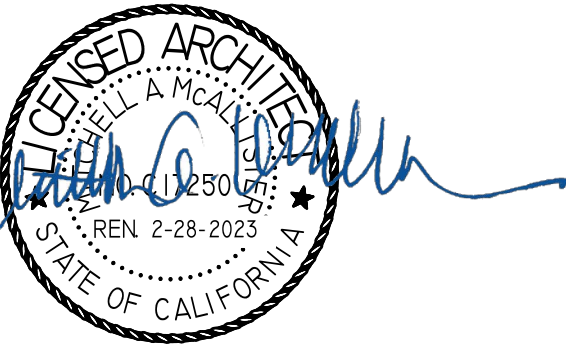
OVERALL ARCHITECTURAL FIRE MARSHAL PLAN
 1" = 30'-0"



C:\Users\stump\Documents\A02_SequoiaES_SITE-Review\DSA_dump\2100.rvt



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 ARCHITECT



PROJECT NAME:
SEQUOIA ELEMENTARY SCHOOL

3333 ROSEMONT DR
 SACRAMENTO, CA 95826

SEQUOIA ES TOILET BUILDING AND SECURITY FENCING

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE
 SACRAMENTO, CA 95824

SACRAMENTO COUNTY

KEY PLAN

SHEET TITLE:
CIVIL GENERAL NOTES AND ABBREVIATIONS

JOB NUMBER:	SHEET NUMBER:
DATE: NOV 14, 2022	C0.1
REVISION:	



CIVIL ABBREVIATIONS AND LEGEND

ABBREVIATIONS	LEGEND
NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.	NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.
PROPOSED GRADING & DRAINAGE SYMBOLS:	PROPOSED GRADING & DRAINAGE SYMBOLS:
AB AGGREGATE BASE	8" SD STORM DRAIN LINE (SIZE AND FLOW SHOWN)
AC ASPHALTIC CONCRETE	● STORM DRAIN MANHOLE (SDMH)
AD AREA DRAIN	— CATCH BASIN (CB)
APN ASSESSOR'S PARCEL NUMBER	— DROP INLET (DI)
ARV AIR RELEASE VALVE	— AREA DRAIN (AD)
ASB AGGREGATE SUB-BASE	— CLEANOUT
BO BLOW-OFF VALVE	— PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)
BV BUTTERFLY VALVE	— STORM DRAIN CLEANOUT
BW BACK OF WALK	— ELEVATION
C/L CENTERLINE	99.99 FINISHED FLOOR ELEVATION
CB CATCH BASIN	PAD=99.33 BUILDING PAD ELEVATION
CI CLASS	— CONCRETE SIDEWALK
CMP CORRUGATED METAL PIPE	→ GRADED DIRECTION FOR DRAINAGE FLOW
CATV CABLE TELEVISION	— SWALE
CO CLEANOUT	— SLOPE
COMM COMMUNICATION	⊗ TREE TO BE REMOVED
CONC CONCRETE	— RETAINING WALL
CONST. CONSTRUCT	PROPOSED SANITARY SEWER SYMBOLS:
CR CURB RETURN	8" SS SANITARY SEWER LINE (SIZE AND FLOW SHOWN)
CS CONCRETE SURFACE	● SANITARY SEWER MANHOLE (SSMH)
DC DOUBLE CHECK VALVE	— SEWER CLEANOUT
DDC DOUBLE DETECTOR CHECK VALVE	— FLUSHER BRANCH
DG DECOMPOSED GRANITE	PROPOSED WATER SYMBOLS:
DI DROP INLET	8" W WATER LINE & SIZE
DIA DIAMETER	8" FS FIRE LINE & SIZE
DIP DUCTILE IRON PIPE	8" DW DOMESTIC WATER LINE & SIZE
DWS DRAWING	8" RW RECLAIMED WATER LINE & SIZE
DS DOWNSPOUT	8" IRR IRRIGATION SERVICE LINE & SIZE
E ELECTRIC	8" NP NON POTABLE WATER LINE & SIZE
EP EDGE OF PAVEMENT	8" SP FIRE SPRINKLER SERVICE LINE & SIZE
ESM EASEMENT	— GATE VALVE
EX EXISTING	— WATER METER
FS FIRE SERVICE LINE	— FIRE HYDRANT ASSEMBLY
FDC FIRE DEPARTMENT CONNECTION	— FIRE DEPARTMENT CONNECTION
FL FLOWLINE	— DETECTOR CHECK VALVE
FM SANITARY SEWER FORCE MAIN	— DOUBLE DETECTOR CHECK VALVE
FF FINISHED FLOOR ELEVATION	— REDUCED PRESSURE BACKFLOW PREVENTER
FH FIRE HYDRANT	— BUTTERFLY VALVE
GA GAS	— AIR RELEASE VALVE + SIZE
GR GRATE ELEVATION	— BLOW-OFF VALVE + SIZE
GRD GRADE ELEVATION	— POST INDICATOR VALVE
GV GATE VALVE	
HB HOSE BIBB	
HBD HOSE BOARD	
HDPE HIGH DENSITY POLYETHYLENE PIPE	
HP HIGH POINT	
INV PIPE INVERT ELEVATION	
JP JOINT UTILITY POLE	
LF LINEAL FEET	
LIP LIP OF GUTTER	
LT LEFT	
MS MOWSTRIP	
NTS NOT TO SCALE	
OH OVERHEAD	
PCC PORTLAND CEMENT CONCRETE	
PD PLANTER DRAIN	
PV POST INDICATOR VALVE	
P/L PROPERTY LINE	
PP POWER POLE	
PUE PUBLIC UTILITY EASEMENT	
PVC POLYVINYL CHLORIDE	
RCP REINFORCED CONCRETE PIPE	
R RADIUS	
RIM MANHOLE RIM ELEVATION (SOLID COVER)	
RP REDUCED PRESSURE BACKFLOW PREVENTER	
RW RIGHT OF WAY	
SCH SCHEDULE	
SD STORM DRAIN	
SDMH STORM DRAIN MANHOLE	
SG SUBGRADE ELEVATION	
SS SANITARY SEWER	
SSMH SANITARY SEWER MANHOLE	
STD STANDARD	
S/W SIDEWALK	
T TELEPHONE	
TC TOP OF CURB	
TD TRENCH DRAIN	
TDCB TRENCH DRAIN CATCH BASIN	
TP TELEPHONE POLE	
TRW TOP OF RETAINING WALL	
TSW TOP OF SEAT WALL	
TW TOP OF WALK ELEVATION	
U UTILITY	
UG UNDERGROUND	
UN UNLESS OTHERWISE NOTED	
VCP VITRIFIED CLAY PIPE	
W WATER	
W/ WITH	
W/O WITHOUT	
WV WATER VALVE	

GENERAL NOTES:

- THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT (USA) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING TOLL FREE 1-800-227-2600, OR 811.
- WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL, IF STAKED BY OTHERS. IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING, OR IMPROPER CONSTRUCTION.
- IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION, ALL WORK IN THE VICINITY SHALL BE STOPPED UNTIL SUCH ITEMS CAN BE ASSESSED BY AN APPROPRIATE MEMBER OF THE COUNTY ENVIRONMENTAL IMPACT SECTION STAFF.
- CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR ALL EXCAVATIONS OF 5 FEET OR MORE IN DEPTH.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY PRE-BID AND PRE-CONSTRUCTION SITE INSPECTION, AND/OR OBSERVATIONS ON THE SITE TO PRE-DETERMINE ALL HIS/HER MEANS AND METHODS NECESSARY TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS AND PER THE PROJECT SPECIFICATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE, AND INCLUDE IN HIS/HER CONTRACT, ALL MEANS AND METHODS NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.
- WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY, OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION (WHICH WERE NOT FORMALLY ISSUED). UPON PROJECT COMPLETION, THESE RECORDS AND/OR INFORMATION SHALL BE PROVIDED TO THE OWNER AND WARREN CONSULTING ENGINEERS, INC. UNLESS AN OFFICIAL "AS-BUILT" SET OF PLANS IS A REQUIREMENT OF THE CONTRACT. IF AS-BUILT PLANS ARE A REQUIREMENT OF THE CONTRACT, REFER TO SPECIFICATIONS FOR AS-BUILT DELIVERABLE REQUIREMENTS.
- IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE, PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWCUT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION SO A CLEAN EDGE REMAINS FOR PATCH BACK. IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAVING.
- NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS, OR SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER ADMINISTRATIVE AUTHORITY.
- SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS OR OTHER STRUCTURE ELEVATIONS SHOWN ON GRADING OR OTHER PLANS. NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS.
- ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "TEE" AND "WYE" FITTINGS. SADDLE TAPS WILL ONLY BE ALLOWED WHEN MAKING CONNECTIONS TO EXISTING WATER MAINS.
- CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT. ANY "SPOTTY" APPLICATIONS SHALL BE RECOATED IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING APPLICATION.
- EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO PREVENT UNCONTROLLED CRACKING. THOSE ADDITIONAL JOINTS MAY OR MAY NOT BE SPECIFICALLY SHOWN ON PLANS BUT SHALL BE PROVIDED BY THE CONTRACTOR.
- EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE A MINOR ADJUSTMENT OF REBAR WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS.
- NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE. THE ADDITION OF WATER CAN ONLY BE ADDED UNDER THE SUPERVISION OF THE CONCRETE INSPECTOR OR LABORATORY TECHNICIAN.
- WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTOR'S EXPENSE.
- ALL CONTRACTION/CONSTRUCTION JOINTS "C/J" SHALL BE 1/4 THE SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR CONTROLLING OF CRACKING. CONTRACTOR SHALL EXERCISE CAUTION WHEN FINAL TROWELING OF CONCRETE, SO AS NOT TO FILL IN THESE JOINTS WITH CONCRETE CREAM. ANY CRACKS OUTSIDE OF JOINTS WHICH WERE CONSTRUCTED LESS THAN 1" DEEP, SHALL BE CAUSE FOR CONCRETE SLAB(S) TO BE REMOVED AND REPLACE AT CONTRACTOR'S EXPENSE.
- ANY SCREED BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SCREED" SO THERE IS NO INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING.
- 3-1/2" FELT JOINTS WILL NOT BE ACCEPTED. PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND A 6" FELT JOINT FOR 4" SLAB CONSTRUCTION.
- SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS, THEN THE CONCRETE SLAB SHALL BE REPAIRED AT THE NEAREST JOINTS ON EACH SIDE OF THE CRACK AND THE CONCRETE SECTION SHALL BE, REMOVED AND REPLACED. NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE PER DRAWING DETAIL.
- ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDRO SEEDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS.
- REPAIR OR PATCHING OF GALVANIZED METALS, SUCH AS AFTER WELDING GALVANIZED COMPONENTS, SHALL BE MADE USING A ZINC COMPOSITION "HOT STICK" APPLICATION PER ASTM A 780-01. GALVANIZING PAINTS WILL NOT BE ALLOWED.



GENERAL PAVING SURFACE NOTES:

- PROVIDE EQUIVALENT OF MEDIUM BROOM FINISH AT SLOPES UP TO 5.99%, TYPICAL. PROVIDE EQUIVALENT OF HEAVY BROOM FINISH AT SLOPES 6% AND GREATER. REFER TO SPECIFICATIONS.
- ALL NEW PEDESTRIAN WALKWAYS (NON-RAMP) SHALL BE SLOPED NO GREATER THAN 2.0%, AND NO LESS THAN 0.75% IN ANY DIRECTION, UNLESS SPECIFICALLY LABELED OTHERWISE. ALL CONCRETE SHALL MEET THE FOLLOWING SLOPE REQUIREMENTS:
 - NO GREATER THAN 5% SLOPE IN THE DIRECTION OF TRAVEL.
 - NO GREATER THAN 2% SLOPE CROSSING THE DIRECTION OF TRAVEL.
 - NO GREATER THAN 2% SLOPE IN ANY DIRECTION IN COURTYARD OR PLAZA AREAS.

CIVIL SHEET INDEX

C0.1	- CIVIL GENERAL NOTES AND ABBREVIATIONS
C0.2	- TOPOGRAPHIC SURVEY
C0.3	- UTILITY SURVEY
C1.1	- DEMOLITION PLAN
C2.1	- GRADING PLAN
C3.1	- UTILITY, PAVING AND STRIPING
C4.1	- DETAILS

DEMOLITION GENERAL NOTES

- IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
- NO BURNING OR BLASTING SHALL BE PERMITTED.
- ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
- ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
- ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
- THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN IN THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.
- THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON. THE CONTRACTOR SHALL GIVE THE DISTRICT NOTICE 7 DAYS PRIOR TO THE START OF DEMOLITION. THE DISTRICT SHALL MOVE ANY RETAINED ITEMS OUT OF THE CONTRACTORS WORK AREA, UNLESS ANOTHER ARRANGEMENT IS MADE WITH THE CONTRACTOR. ANY REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ANY ITEMS NOT SHOWN FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A REASONABLE EXTENT.
- EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REPLACED WITH NEW BOX/COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
- ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- EXISTING UTILITY STRUCTURES AND PIPING NOT SHOWN ON DEMOLITION PLAN TO BE REMOVED SHALL REMAIN AND BE PROTECTED.

CONCRETE SAWCUT NOTE
 SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND THE NEAREST LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.

UTILITY VERIFICATION NOTE
 PRIOR TO THE START OF CONSTRUCTION, LOCATE AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.

IRRIGATION DEMOLITION NOTE
 WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120800 INC.
 REVIEWED FOR:
 SS FLS ACS
 DATE: 04/12/2023

DESIGN WEST
 CALIFORNIA DESIGN WEST ARCHITECTS, INC.
 2100 19th Street
 Sacramento, CA 95818

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 ARCHITECT



PROJECT NAME:
SEQUOIA ELEMENTARY SCHOOL

3333 ROSEMONT DR
 SACRAMENTO, CA 95826

SEQUOIA ES TOILET BUILDING AND SECURITY FENCING

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE
 SACRAMENTO, CA 95824
 SACRAMENTO COUNTY

KEY PLAN	
SHEET TITLE: UTILITY SURVEY	
JOB NUMBER:	SHEET NUMBER:
DATE: NOV 14, 2022	C0.3
REVISION:	

MATCHLINE - SEE BELOW RIGHT

MATCHLINE - SEE ABOVE LEFT

EXISTING TOPOGRAPHY

- - - - - = PROPERTY LINE
- - - - - = CENTERLINE
- - - - - = EASEMENT
- = PROPERTY CORNER FOUND AS NOTED
- = PROPERTY CORNER NOTHING FOUND OR SET
- △123 = TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO)
- = SWALE OR DRAINAGE FLOW
- = DRAINAGE FLOW
- = FENCE (TYPE NOTED)
- = TREE (SIZE/TYPE INDICATED)
- = SLOPE
- = CONTOUR
- = CONCRETE SURFACE
- = EDGE OF ASPHALT
- = EDGE OF BUILDING
- = SIGN
- = POST OR BOLLARD
- = GROUND ELEVATION
- = HARD SURFACE ELEVATION

EXISTING UTILITIES

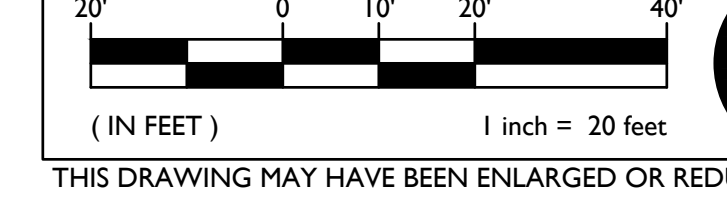
- 12"SD = STORM DRAIN LINE (SIZE & DIRECTION OF FLOW)
- 12"SD = STORM DRAIN LINE (RECORD INFORMATION)
- 12"SD = STORM DRAIN LINE (UNDERGROUND LOCATING)
- ⊙ = STORM DRAIN MANHOLE
- ⊙ = STORM DRAIN CLEANDOUT
- ⊙ = DROP INLET
- ⊙ = AREA DRAIN
- RWL = RAIN WATER LEADER
- DS = DOWNSPOUT
- 12"SS = SANITARY SEWER LINE (SIZE & DIRECTION OF FLOW)
- 12"SS = SANITARY SEWER LINE (RECORD INFORMATION)
- 12"SS = SANITARY SEWER LINE (UNDERGROUND LOCATING)
- ⊙ = SANITARY SEWER MANHOLE
- ⊙ = SANITARY SEWER CLEANDOUT
- = WATER LINE (SIZE INDICATED)
- = WATER LINE (RECORD INFORMATION)
- = WATER LINE (UNDERGROUND LOCATING)
- ⊙ = WATER MANHOLE
- ⊙ = WATER VALVE
- ⊙ = WATER METER
- ⊙ = WATER BOX
- ⊙ = IRRIGATION CONTROL VALVE
- ⊙ = FIRE HYDRANT
- ⊙ = BACKFLOW PREVENTER
- ⊙ = SPRINKLER
- ⊙ = HOSE BIBB
- = OVERHEAD ELECTRIC LINE
- = UNDERGROUND ELECTRIC LINE
- = UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
- = UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
- ⊙ = ELECTRIC MANHOLE
- ⊙ = UTILITY POLE (WITH GUY WIRED)
- ⊙ = ELECTRIC METER
- ⊙ = ELECTRIC BOX
- ⊙ = STREET LIGHTING BOX
- ⊙ = LIGHT STANDARD
- ⊙ = SIGNAL LIGHT
- ⊙ = FLOOD LIGHT
- ⊙ = ELECTRICAL OUTLET
- ⊙ = GAS LINE (SIZE INDICATED)
- ⊙ = GAS LINE (RECORD INFORMATION)
- ⊙ = GAS LINE (UNDERGROUND LOCATING)
- ⊙ = GAS MANHOLE
- ⊙ = GAS VALVE
- ⊙ = GAS METER
- = TELEPHONE LINE
- = TELEPHONE LINE (RECORD INFORMATION)
- = TELEPHONE LINE (UNDERGROUND LOCATING)
- ⊙ = STORM DRAIN BOX
- ⊙ = TRAFFIC SIGNAL BOX

BASIS OF BEARINGS:
 ASSUMED

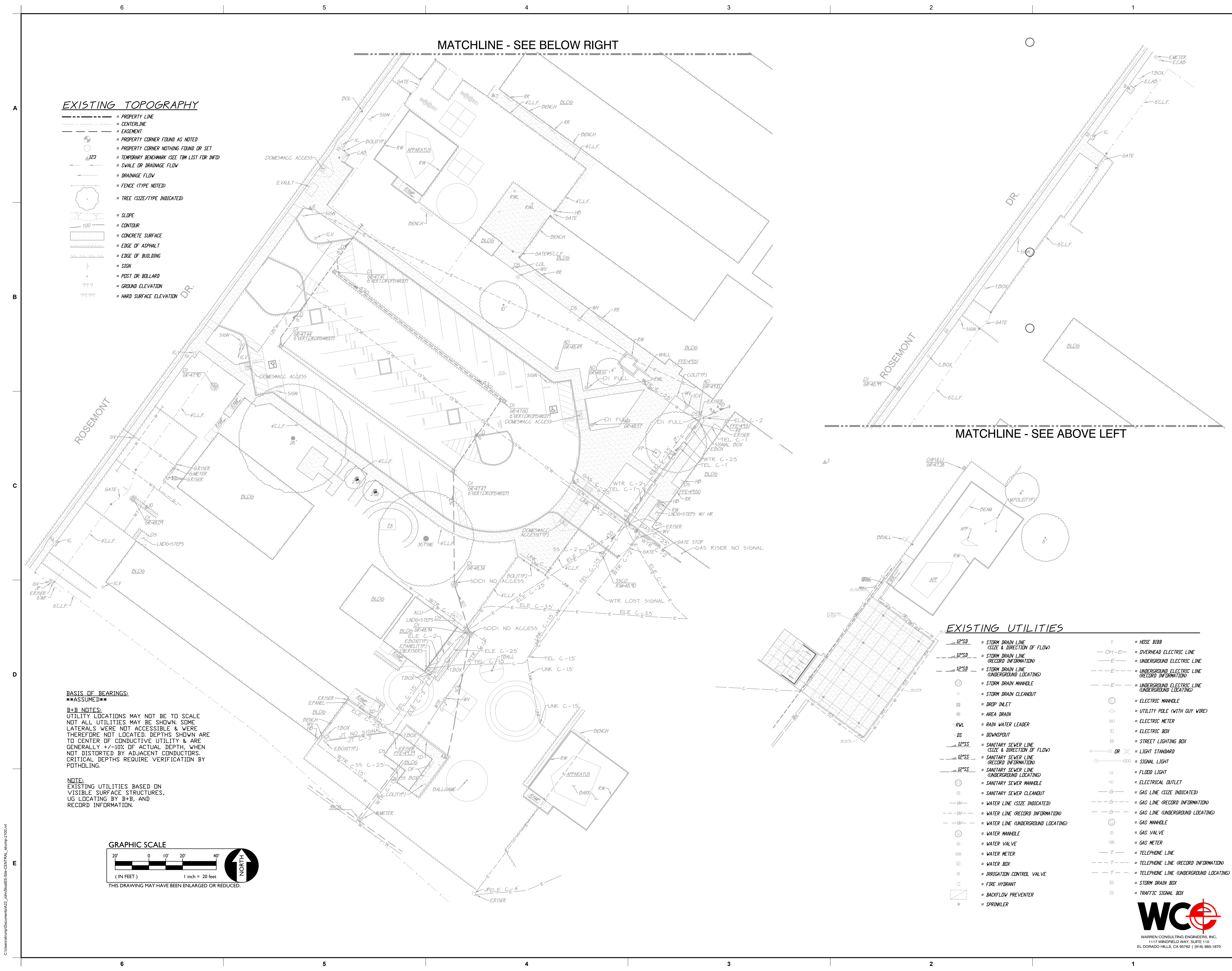
B+B NOTES:
 UTILITY LOCATIONS MAY NOT BE TO SCALE
 NOT ALL UTILITIES MAY BE SHOWN SOME
 LATERALS WERE NOT ACCESSIBLE & WERE
 THEREFORE NOT LOCATED. DEPTHS SHOWN ARE
 TO CENTER OF CONDUCTIVE UTILITY & ARE
 GENERALLY +/-10% OF ACTUAL DEPTH, WHEN
 NOT DISTORTED BY ADJACENT CONDUCTORS.
 CRITICAL DEPTHS REQUIRE VERIFICATION BY
 POT-HOLING.

NOTE:
 EXISTING UTILITIES BASED ON
 VISIBLE SURFACE STRUCTURES,
 UG LOCATING BY B+B, AND
 RECORD INFORMATION.

GRAPHIC SCALE



THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.



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PROJECT NAME:
SEQUOIA ELEMENTARY SCHOOL

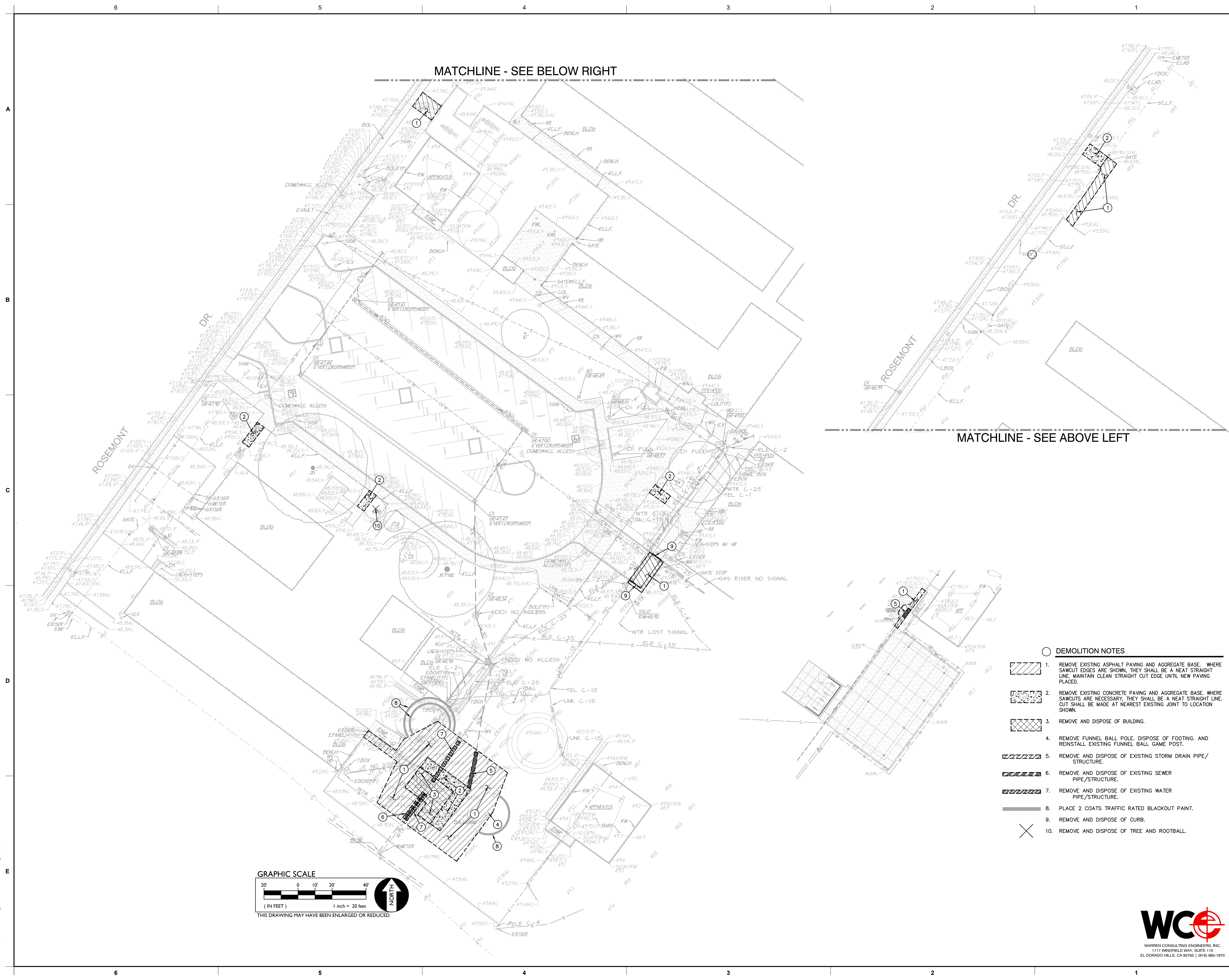
3333 ROSEMONT DR
 SACRAMENTO, CA 95826

SEQUOIA ES TOILET BUILDING AND SECURITY FENCING

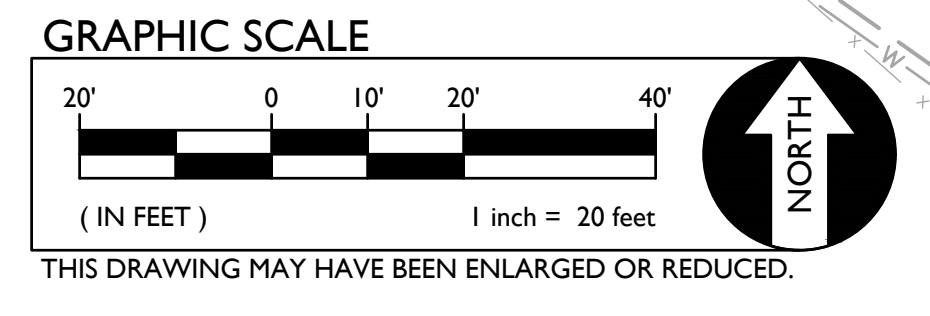
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE
 SACRAMENTO, CA 95824
 SACRAMENTO COUNTY

KEY PLAN	
➔	
SHEET TITLE: DEMOLITION PLAN	
JOB NUMBER:	SHEET NUMBER:
DATE: NOV 14, 2022	C1.1
REVISION:	



- DEMOLITION NOTES**
1. REMOVE EXISTING ASPHALT PAVING AND AGGREGATE BASE. WHERE SAWCUT EDGES ARE SHOWN, THEY SHALL BE A NEAT STRAIGHT LINE. MAINTAIN CLEAN STRAIGHT CUT EDGE UNTIL NEW PAVING PLACED.
 2. REMOVE EXISTING CONCRETE PAVING AND AGGREGATE BASE. WHERE SAWCUTS ARE NECESSARY, THEY SHALL BE A NEAT STRAIGHT LINE. CUT SHALL BE MADE AT NEAREST EXISTING JOINT TO LOCATION SHOWN.
 3. REMOVE AND DISPOSE OF BUILDING.
 4. REMOVE FUNNEL BALL POLE. DISPOSE OF FOOTING, AND REINSTALL EXISTING FUNNEL BALL GAME POST.
 5. REMOVE AND DISPOSE OF EXISTING STORM DRAIN PIPE/STRUCTURE.
 6. REMOVE AND DISPOSE OF EXISTING SEWER PIPE/STRUCTURE.
 7. REMOVE AND DISPOSE OF EXISTING WATER PIPE/STRUCTURE.
 8. PLACE 2 COATS TRAFFIC RATED BLACKOUT PAINT.
 9. REMOVE AND DISPOSE OF CURB.
 10. REMOVE AND DISPOSE OF TREE AND ROOTBALL.



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CONSULTANT:
 ANTHONY J. TASSANO
 PROFESSIONAL ENGINEER
 No. C74690
 State of California

PROJECT NAME:
SEQUOIA ELEMENTARY SCHOOL

3333 ROSEMONT DR
 SACRAMENTO, CA 95826

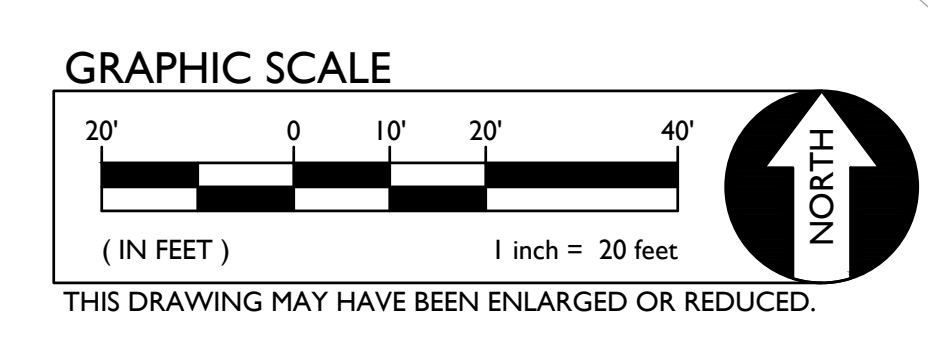
SEQUOIA ES TOILET BUILDING AND SECURITY FENCING

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE
 SACRAMENTO, CA 95824
 SACRAMENTO COUNTY

MATCHLINE - SEE BELOW RIGHT

MATCHLINE - SEE ABOVE RIGHT



- GRADING NOTES**
1. MATCH EXISTING GRADE/ELEVATION.
 2. GRADE UNIFORMLY TO SWALE AND/OR INLET.
 3. CONSTRUCT CONCRETE VALLEY GUTTER PER (2) C4.1 (1) C4.1
 4. PLACE 5" PCC WITH #4 REBAR @ 24" O.C.E.W. OVER 16" CLASS II AB ON COMPACTED SUBGRADE. SEE PAVING PLAN ON SHEET C3.1 FOR ADDITIONAL INFORMATION.
 5. PLACE 2.5" AC OVER 10" CLASS II AB ON COMPACTED SUBGRADE. SEE PAVING PLAN ON SHEET C3.1 FOR ADDITIONAL INFORMATION.
 6. REINSTALL PLASTIC APPARATUS CURB ADJACENT TO NEW CONCRETE.
 7. SEE DETAIL A ON SHEET C3.1 FOR UTILITY IMPROVEMENTS.

NOTE
 A. SEE SHEET C3.1 FOR PAVING AT TOILET BUILDING AND PAVING NOTES.



KEY PLAN	
SHEET TITLE: GRADING PLAN	
JOB NUMBER:	SHEET NUMBER:
DATE: NOV 14, 2022	C2.1
REVISION:	

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DRAINAGE NOTES

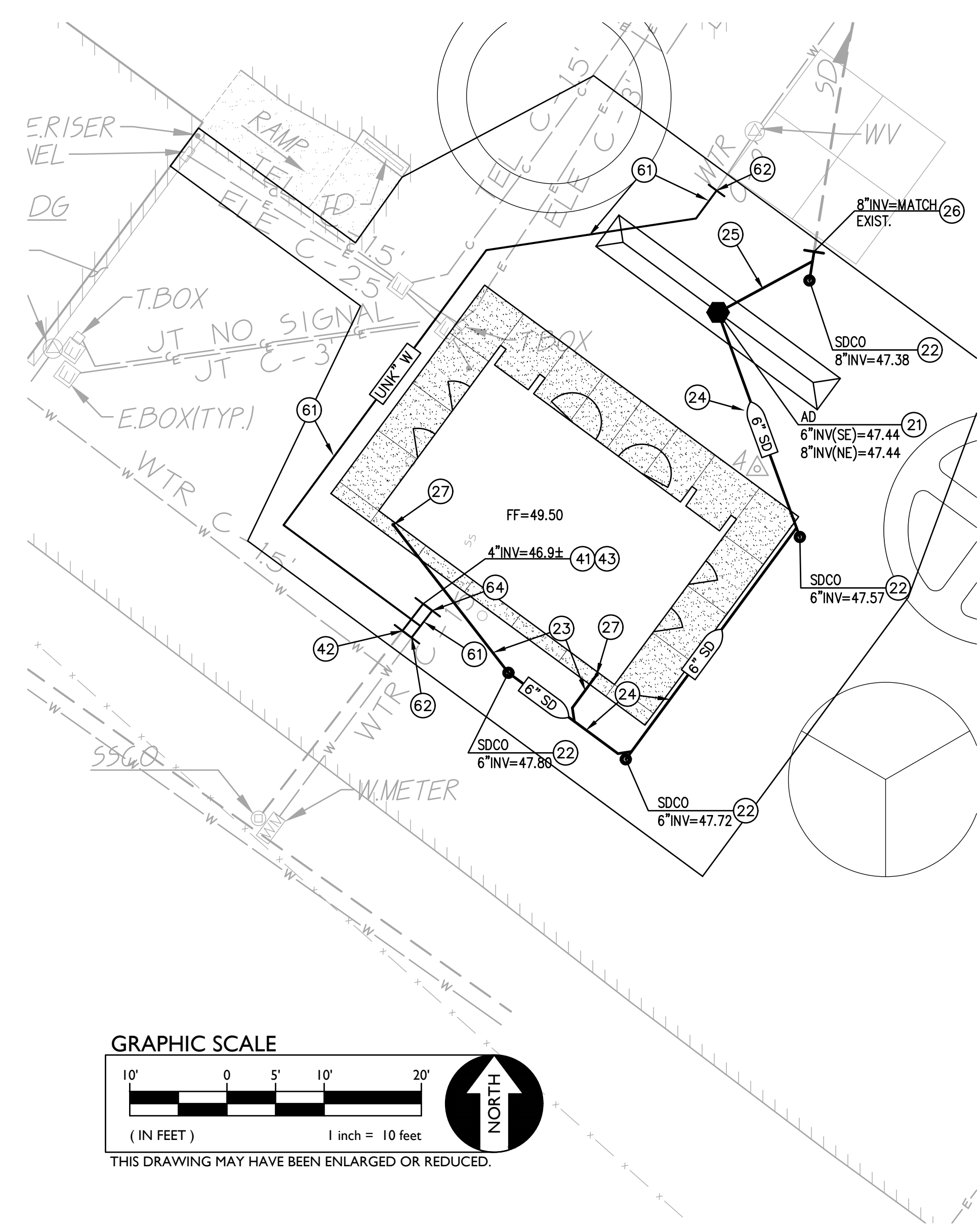
21. CONSTRUCT AREA DRAIN PER (3) (C4.1)
22. CONSTRUCT STORM DRAIN CLEANOUT PER (4) (C4.1)
23. PLACE 4" STORM DRAIN PER (5) (C4.1)
24. PLACE 6" STORM DRAIN PER (6) (C4.1)
25. PLACE 8" STORM DRAIN PER (7) (C4.1)
26. CONNECT TO EXISTING STORM DRAIN. PROVIDE NECESSARY FITTINGS TO MAKE CONNECTION. POT HOLE TO VERIFY DEPTH, LINE SIZE AND LOCATION PRIOR TO TRENCHING.
27. PROVIDE DOWNSPOUT CONNECTION. COORDINATE THE LAYOUT AND EXACT LOCATIONS WITH THE ARCHITECTURAL DRAWINGS. COORDINATE INVERT ELEVATION WITH THE SITE PLUMBING CONTRACTOR AND DETAIL PROVIDED PRIOR TO EXCAVATION.

SEWER NOTES

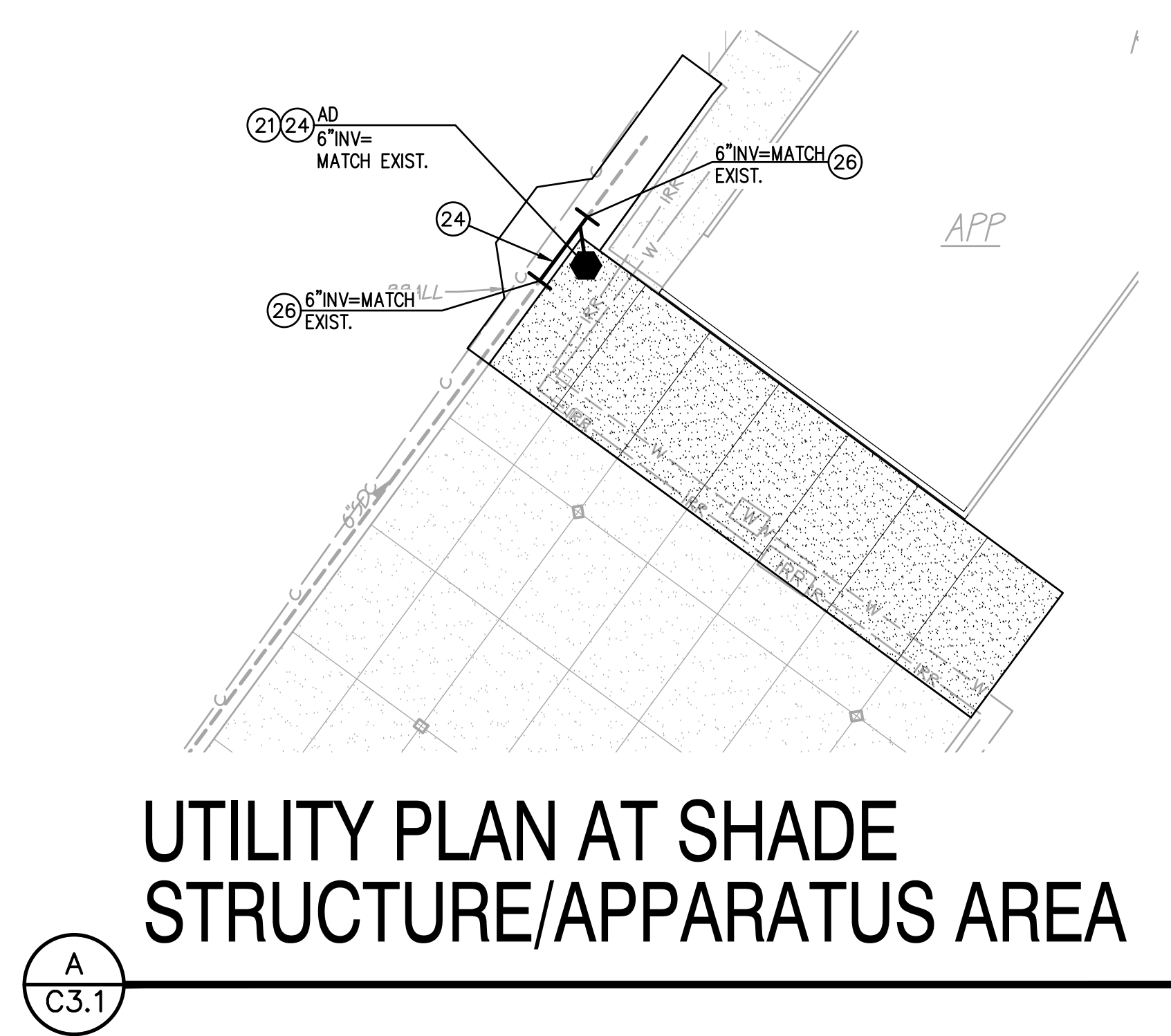
41. PLACE SANITARY SEWER PIPE TO MATCH EXISTING PIPE SIZE PER (6) (C4.1)
42. CONNECT TO EXISTING SANITARY SEWER PIPE. PROVIDE NECESSARY FITTINGS TO MAKE CONNECTION. POT HOLE TO VERIFY DEPTH, LINE SIZE AND LOCATION PRIOR TO TRENCHING.
43. CONNECT TO BUILDING SEWER SERVICE. COORDINATE LOCATION AND DEPTH WITH BUILDING PLUMBING PLANS.

WATER NOTES

61. PLACE WATER PIPE TO MATCH EXISTING PIPE SIZE PER (7) (C4.1)
62. CONNECT TO EXISTING WATER PIPE. PROVIDE NECESSARY FITTINGS TO MAKE CONNECTION. POT HOLE TO VERIFY DEPTH, LINE SIZE AND LOCATION PRIOR TO TRENCHING.
63. PROVIDE GATE VALVE TO MATCH LINE SIZE.
64. CONNECT TO BUILDING WATER SERVICE. COORDINATE LOCATION AND DEPTH WITH BUILDING PLUMBING PLANS.



UTILITY PLAN AT SHADE STRUCTURE/APPARATUS AREA

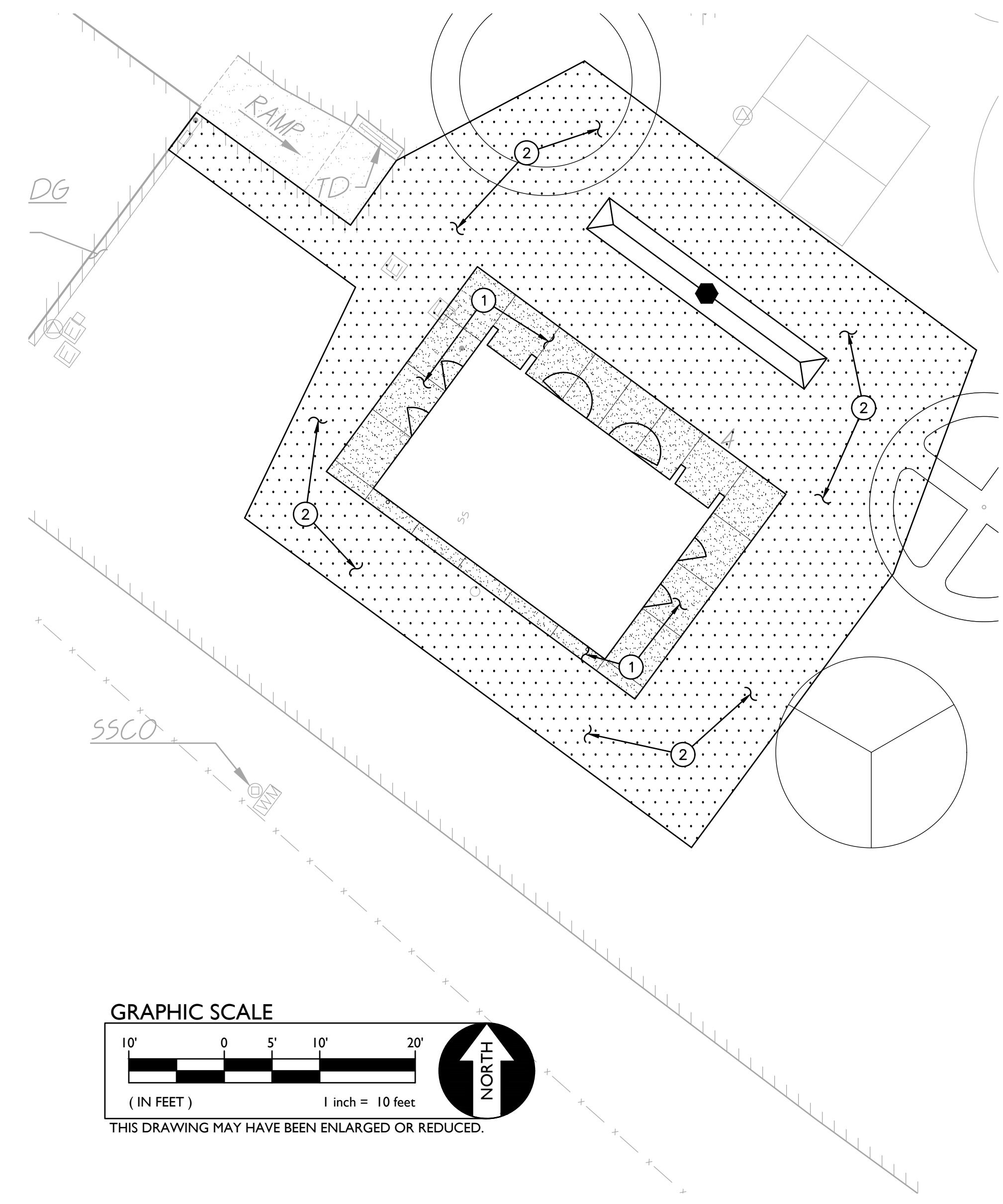


PAVING LEGEND

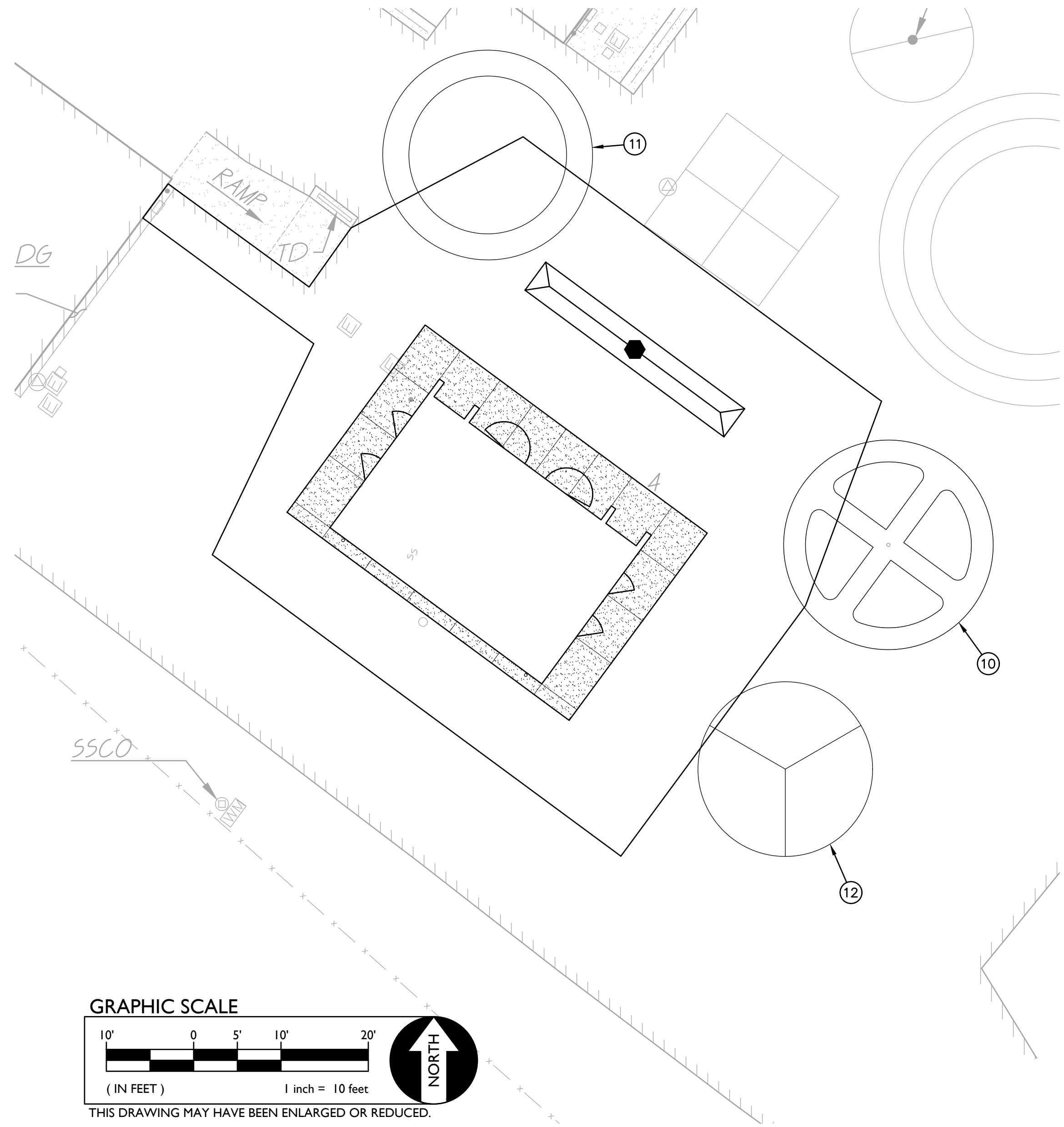
- 1 TYPE 1 PAVING
 PLACE 5" PCC WITH #4 REBAR @ 24" O.C.E.W. OVER 16" CLASS II AB ON COMPACTED SUBGRADE. (1) (C4.1)
- 2 TYPE 3 PAVING
 PLACE 2.5" AC OVER 10" CLASS II AB ON COMPACTED SUBGRADE.

PAVING GENERAL NOTES:

1. AGGREGATE BASE SHALL MEET CALTRANS SPECIFICATIONS FOR CLASS II AGGREGATE BASE.
2. ALL AGGREGATE BASE SHALL BE MOISTURE CONDITIONED TO, OR SLIGHTLY ABOVE, OPTIMUM MOISTURE CONTENT AND COMPACTED TO 95% RELATIVE COMPACTION.
3. RECYCLED ASPHALT MAY BE USED AS CONCRETE AND ASPHALT BASE MATERIAL PROVIDED IT MEETS CALTRANS SPECIFICATIONS FOR CLASS II AB.
4. PAVEMENT SUBGRADE PREPARATION, I.E. SCARIFICATION, MOISTURE CONDITIONING, AND COMPACTION SHALL BE PERFORMED AFTER:
 A. POT HOLING ALL EXISTING UTILITIES.
 B. THE INSTALLATION OF UNDERGROUND UTILITIES AND TRENCHES BACKFILLED IN ACCORDANCE WITH THESE PLANS.
5. ALL AREAS DISTURBED BY GRADING, DEMOLITION, OR CONSTRUCTION ACCESS, WHICH ARE NOT SURFACED BY THIS SET OF PLANS, OR LANDSCAPE PLANS, SHALL BE RESTORED.
6. REFER TO GRADING PLANS FOR CURBS, CURB GUTTERS, VALLEY GUTTERS, AND OTHER CONCRETE STRUCTURES AND PAVING FEATURES NOT SPECIFICALLY NOTED ON THIS PLAN.
7. ADJUST TO FINISH GRADE ALL BOXES, FRAMES, COVERS SLEEVES, POST HOLES, GRATES, ETC. FOUND IN NEW ASPHALT OR CONCRETE PAVING AREAS, WHICH ARE NOT NOTED FOR REMOVAL. REPLACE PER PLAN.
8. ALL NEW ASPHALT PAVING TO BE PROVIDED WITH SEALCOAT PER SPECIFICATIONS.
9. REFER TO ARCHITECTURAL PLANS FOR CONTROL AND EXPANSION JOINTS, AND CONCRETE FINISH.
10. SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 0.5% MINIMUM FOR CONCRETE AND THE MAXIMUM SLOPE SHALL BE AS FOLLOWS:
 CROSS SLOPE PERPENDICULAR TO PATH OF TRAVEL - 1.9%
 DIRECTION OF TRAVEL - 4.9%
 RAMP IN DIRECTION OF TRAVEL - 8.0%
 PLAZA 1.9% - IN ANY DIRECTION
11. ALL EXPOSED ASPHALT EDGES SHALL HAVE 12" WIDE CONCRETE FLUSH CURB WHETHER SHOWN OR NOT.



PAVING PLAN

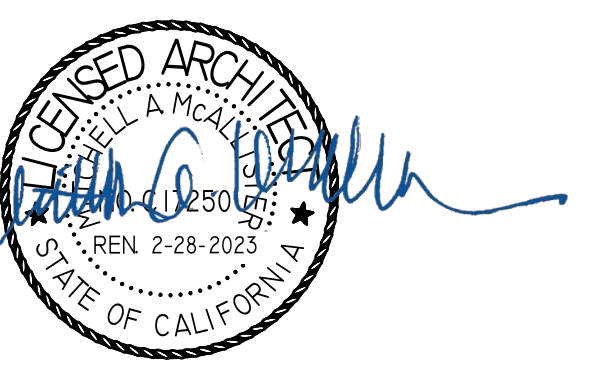


STRIPING PLAN

PLAYCOURT STRIPING NOTES

10. PLACE WAGON WHEEL COURT STRIPING PER (8) (C4.1)
11. PLACE CIRCLE COURT PER STRIPING PER (9) (C4.1)
12. REINSTALL FUNNEL BALL POLE AND ASSEMBLY PER (10) (C4.1) (11) (C4.1)

STRIPING NOTE
 A. SEE ARCHITECTURAL PLANS FOR ADDITIONAL STRIPING INFORMATION.
 B. ANY STRIPING DAMAGED AND OR WIPED OUT DURING CONSTRUCTION, NOT CALLED OUT TO BE REMOVED, SHALL BE REPLACED TO MATCH EXISTING STRIPING.



PROJECT NAME:
SEQUOIA ELEMENTARY SCHOOL

3333 ROSEMONT DR
 SACRAMENTO, CA 95826

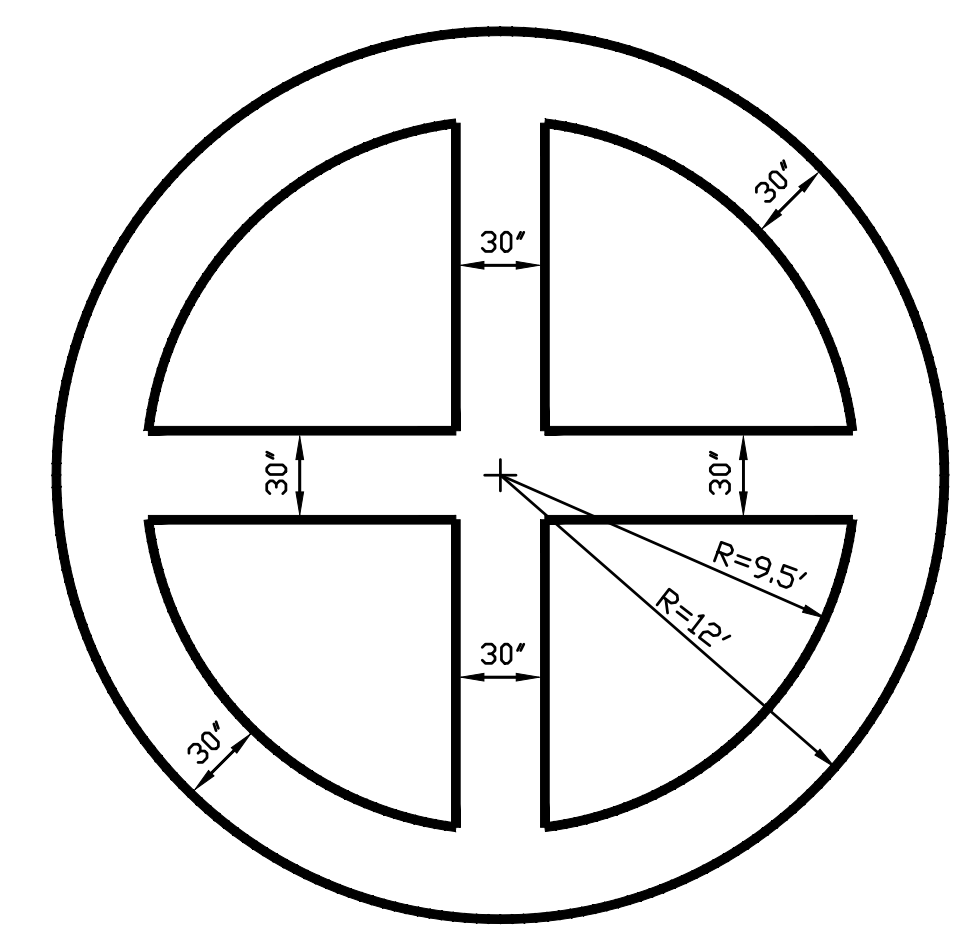
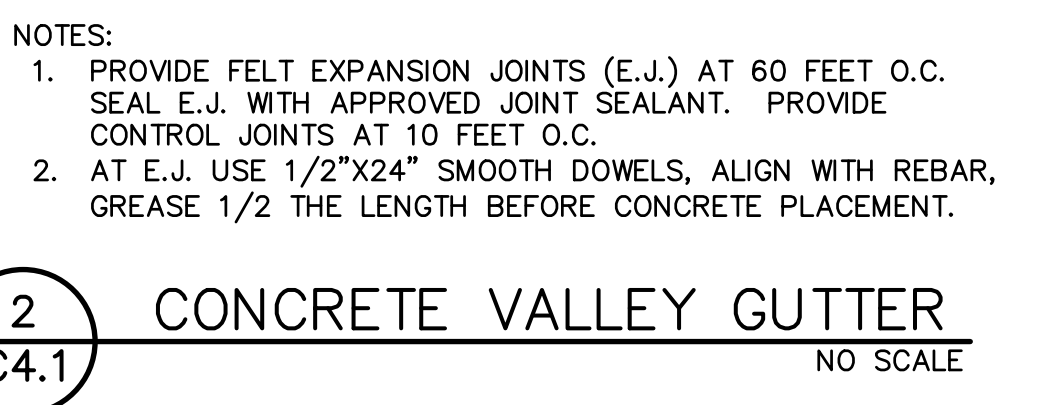
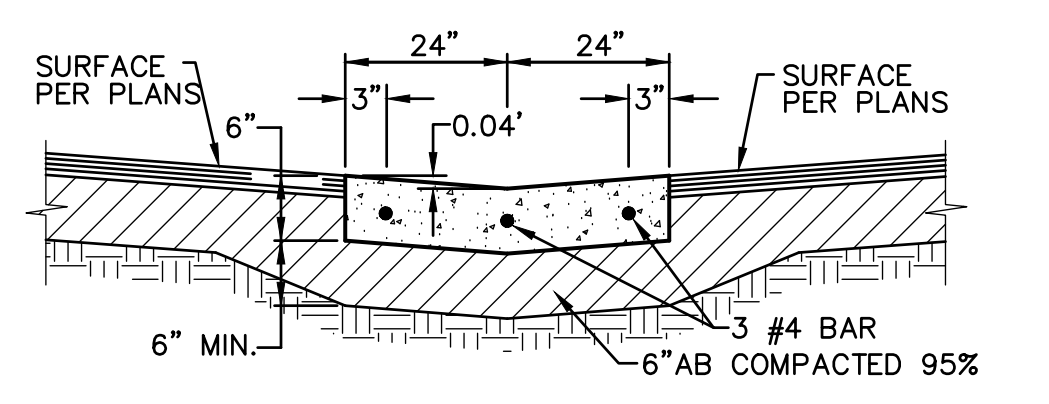
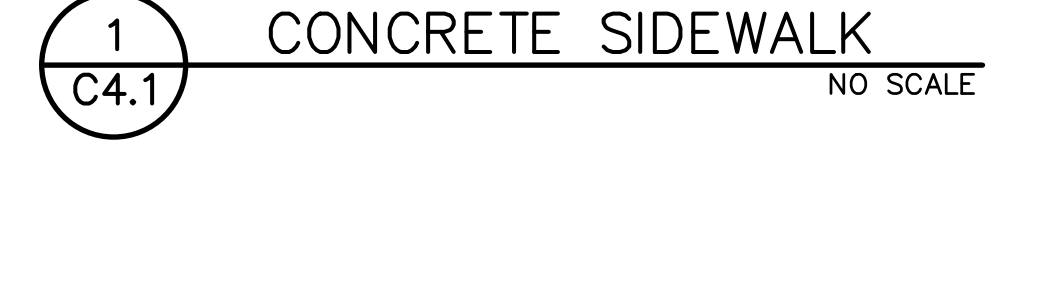
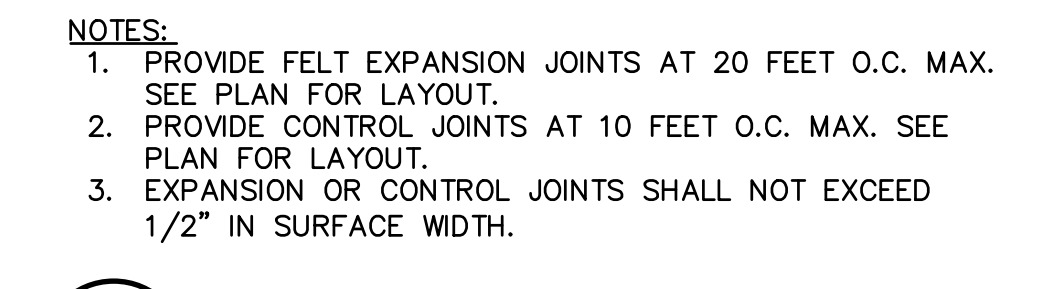
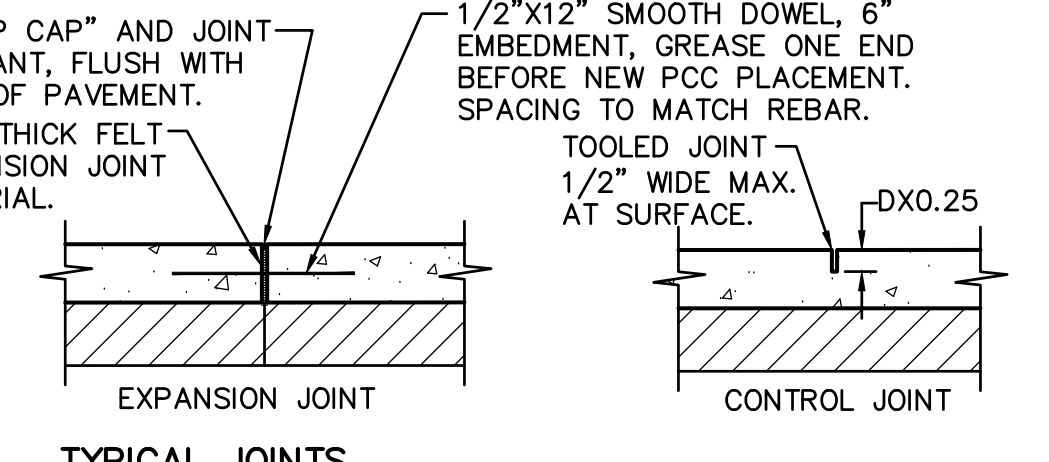
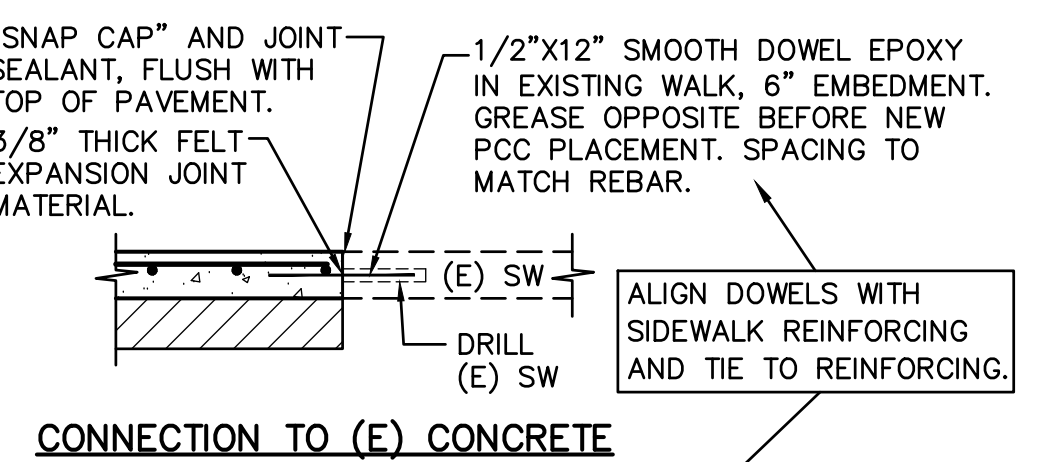
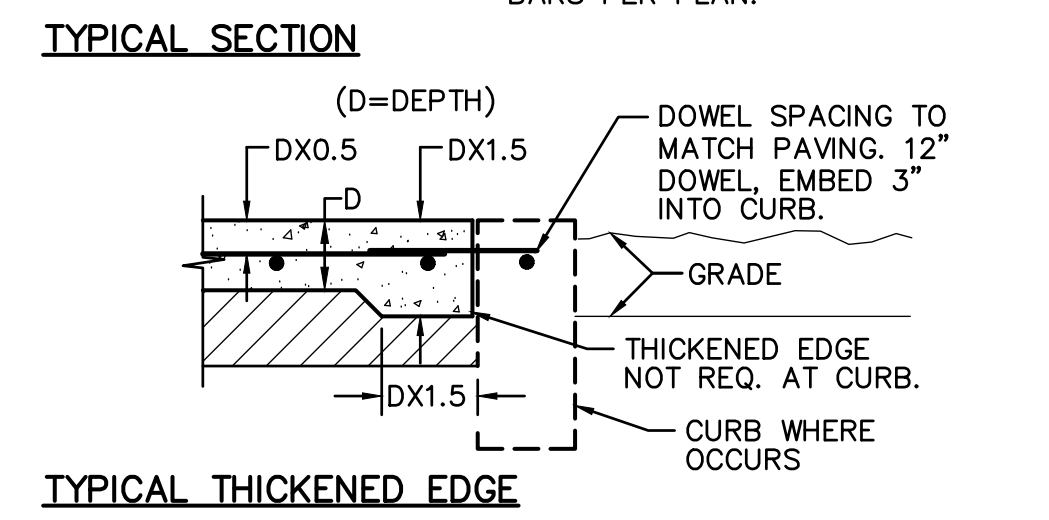
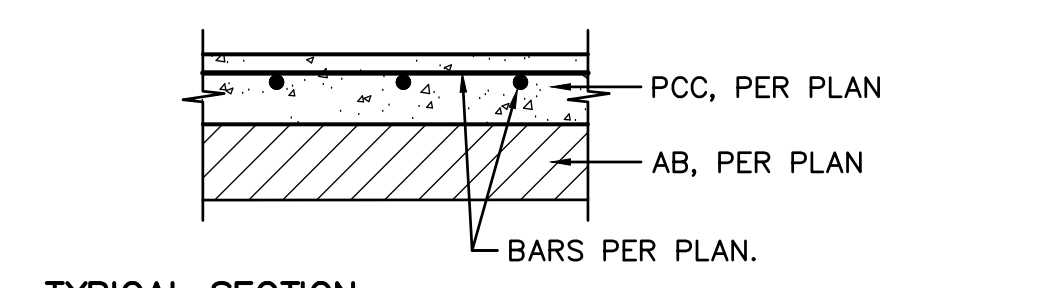
SEQUOIA ES TOILET BUILDING AND SECURITY FENCING

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

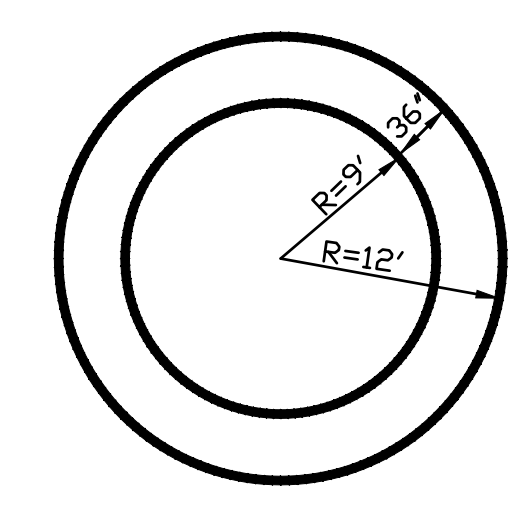
5735 47TH AVENUE
 SACRAMENTO, CA 95824

SACRAMENTO COUNTY

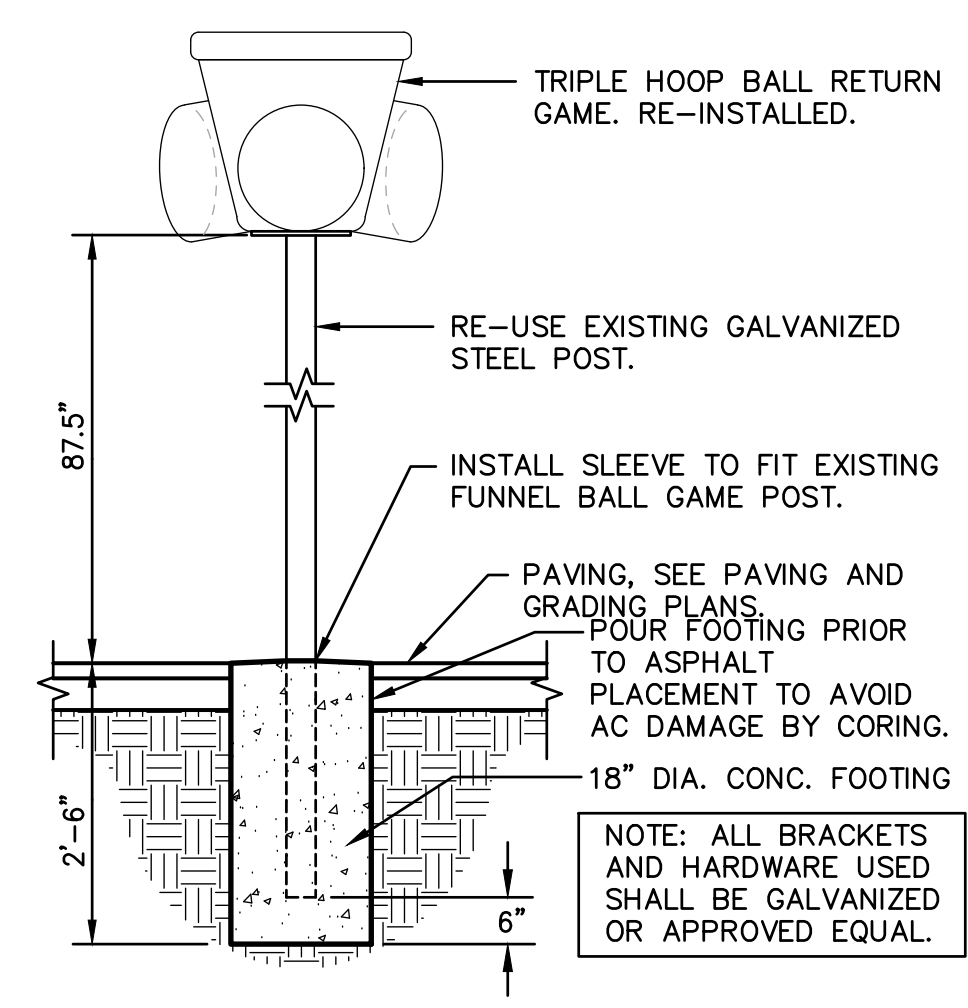
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➔	
SHEET TITLE: DETAILS	
JOB NUMBER:	SHEET NUMBER:
DATE: NOV 14, 2022	C4.1
REVISION:	



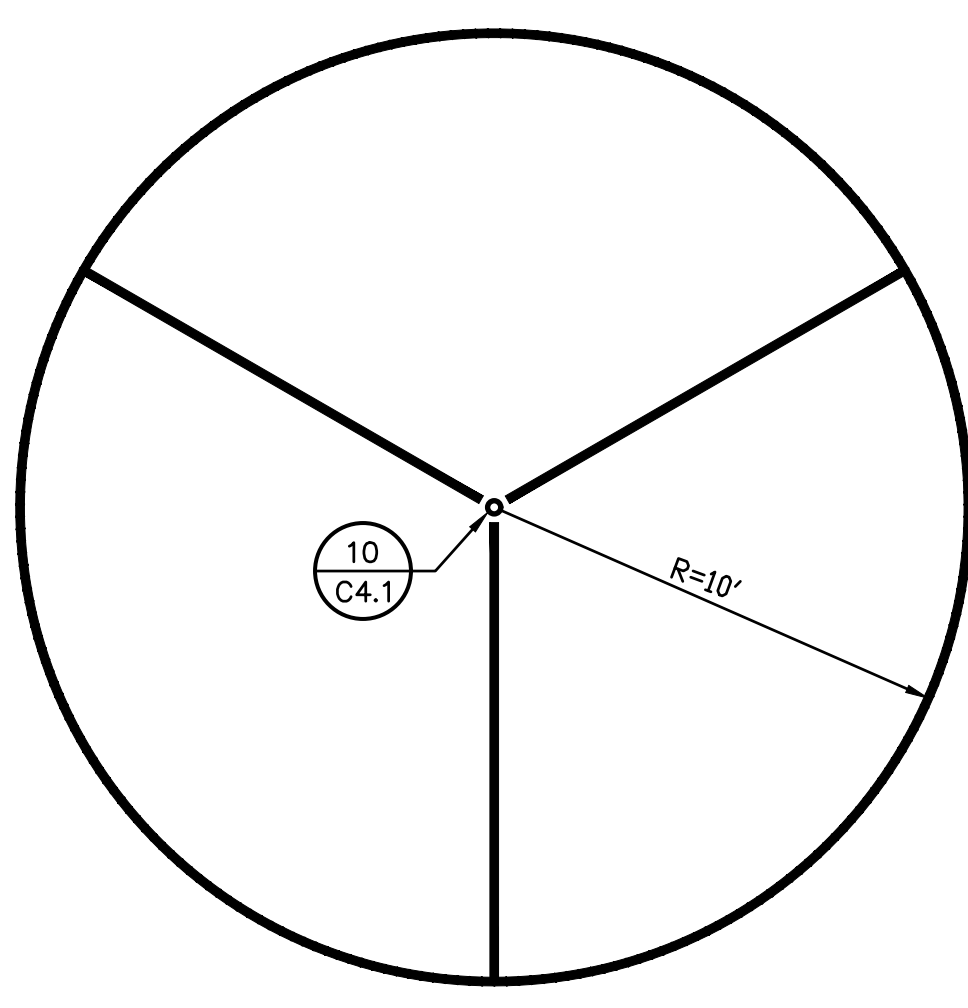
8
 C4.1
 WAGON WHEEL COURT
 NO SCALE



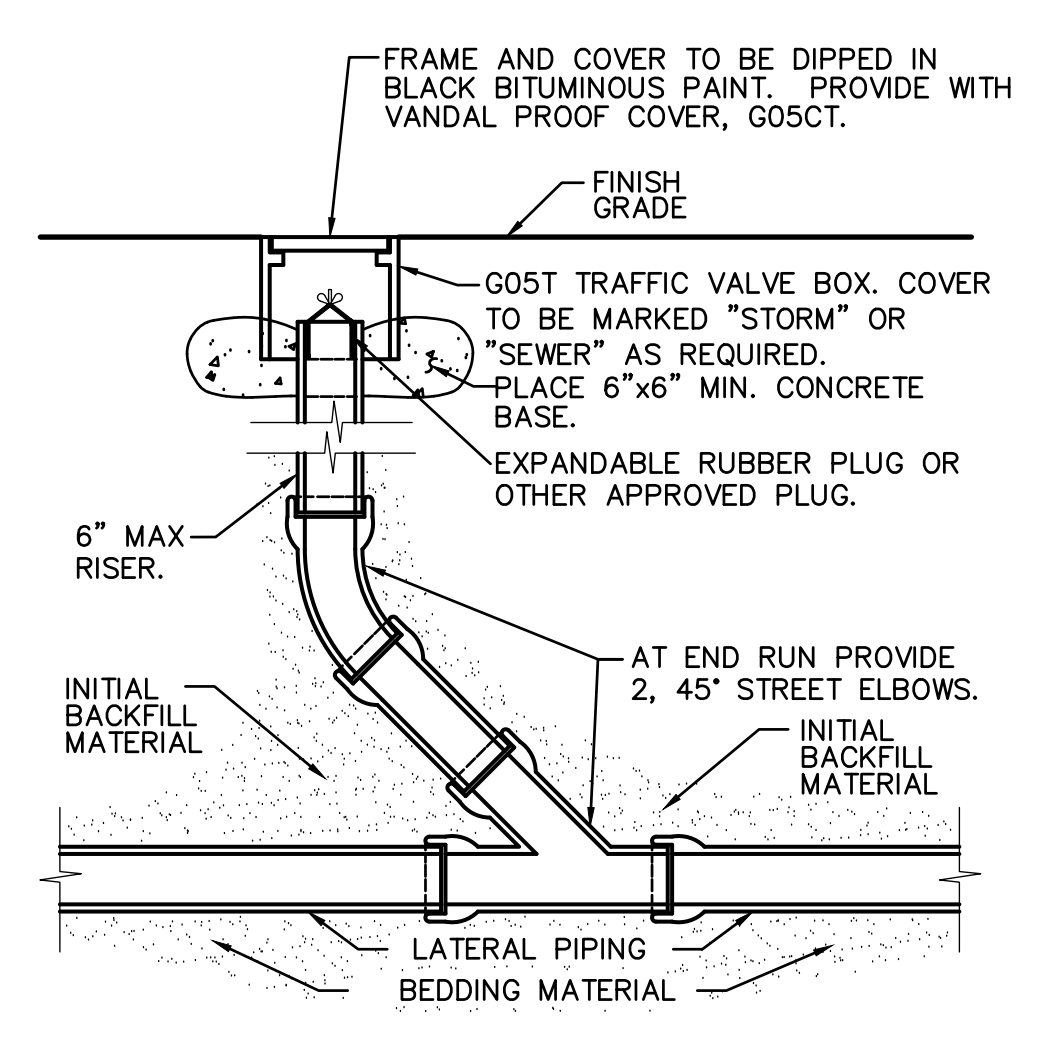
9
 C4.1
 CIRCLE COURT
 NO SCALE



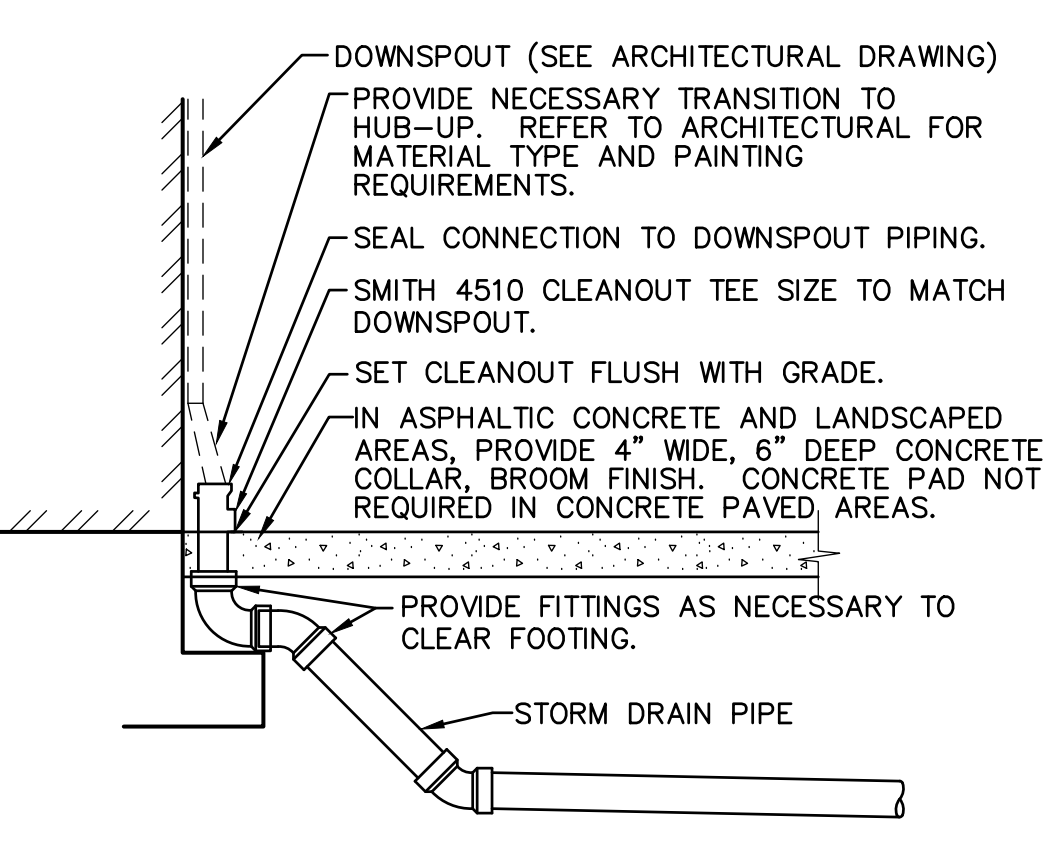
10
 C4.1
 FUNNEL BALL POLE
 NO SCALE



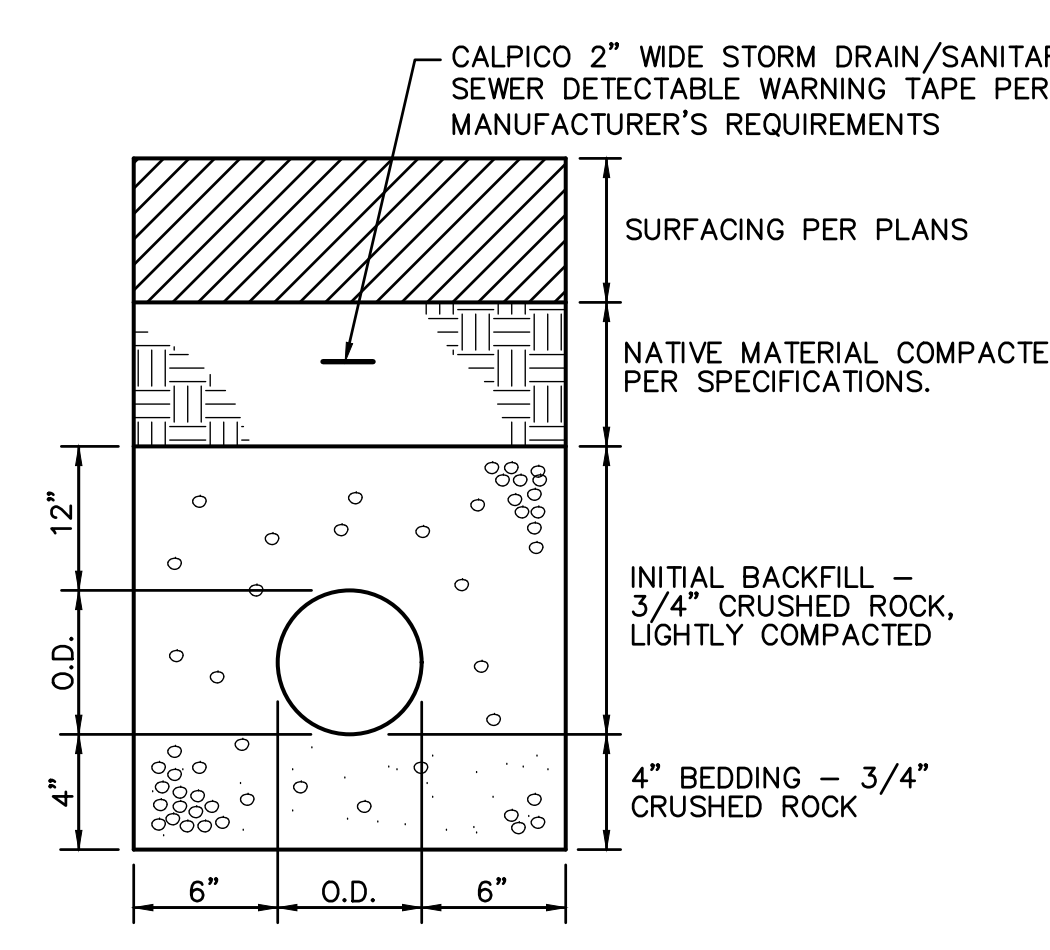
11
 C4.1
 FUNNEL BALL
 NO SCALE



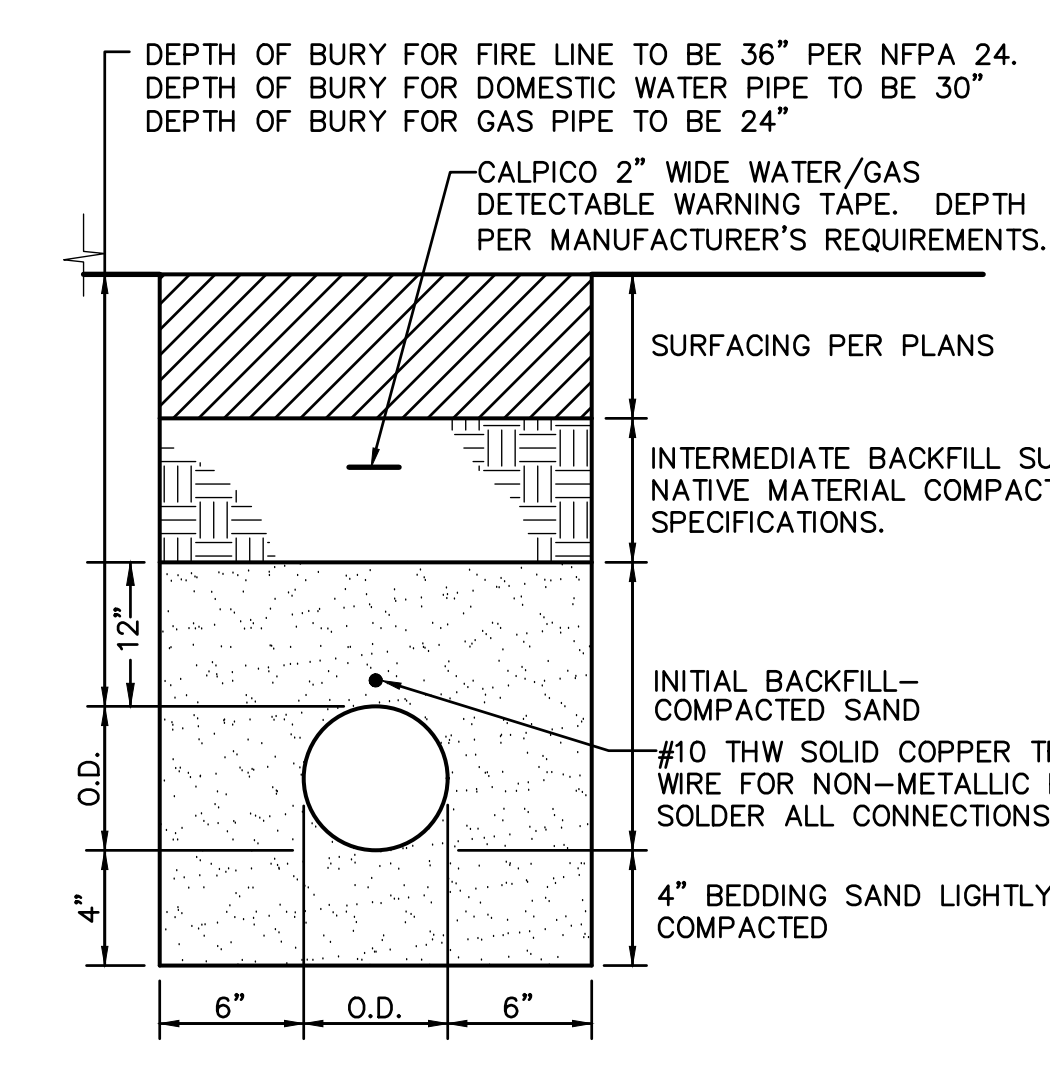
4
 C4.1
 CLEANOUT
 NO SCALE



5
 C4.1
 DOWNSPOUT CONNECTION
 NO SCALE



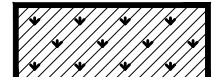
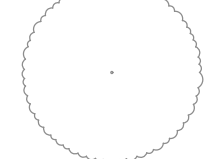
6
 C4.1
 SANITARY SEWER AND STORM DRAIN TRENCH
 NO SCALE



7
 C4.1
 WATER TRENCH
 NO SCALE

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KEY | LANDSCAPE LEGEND

-  **LAWN REPAIR (SOD)**
 SOD TO BE 80/10 DWARF RYE/BLUE. MINIMUM
 SIZE OF SOD TO PATCH/REPAIR IS TO BE THE
 WIDTH OF THE ROLL OF SOD BY 24"
-  **EXISTING TREE**

**DESIGN
 California
 WEST**
 CALIFORNIA DESIGN
 WEST ARCHITECTS, Inc.
 2165 19th Street
 Sacramento, CA 95818

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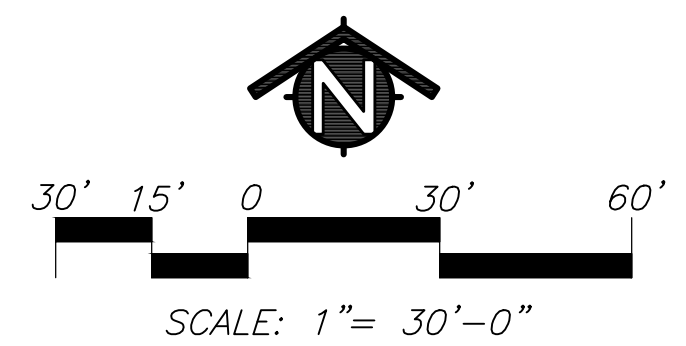
CONSULTANT:
 **MTW group**
 LANDSCAPE ARCHITECTURE
 AND PLANNING
 2707 K Street, Suite 201
 Sacramento, CA 95816
 916.369.3990
 22-064

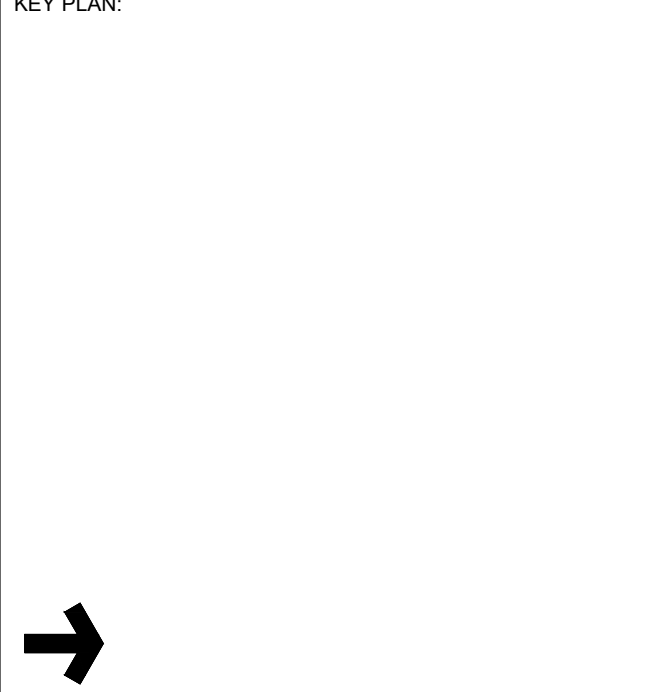
**SEQUOIA ELEMENTARY
 SCHOOL**

3333 ROSEMONT DR
 SACRAMENTO, CA 95826

**SEQUOIA ES TOILET
 BUILDING AND
 SECURITY FENCING**

SACRAMENTO CITY UNIFIED
 SCHOOL DISTRICT
 5735 47TH AVENUE
 SACRAMENTO, CA 95824
 SACRAMENTO COUNTY



KEY PLAN:


LANDSCAPE PLAN

JOB NUMBER: SHEET NUMBER:
 DATE: APR 6, 2023
 REVISION:
L1.1

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 2100 19th Street
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CONSULTANT:
MTW group
 LANDSCAPE ARCHITECTURE
 AND PLANNING
 2707 K Street, Suite 201
 Sacramento, CA 95816
 916.369.3990
 22-064

PROJECT NAME:
SEQUOIA ELEMENTARY SCHOOL

3333 ROSEMONT DR
 SACRAMENTO, CA 95826

SEQUOIA ES TOILET BUILDING AND SECURITY FENCING

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 5735 47TH AVENUE
 SACRAMENTO, CA 95824
 SACRAMENTO COUNTY

KEY PLAN:

→
 SHEET TITLE:
IRRIGATION PLAN

JOB NUMBER:	SHEET NUMBER:
DATE: APR 6, 2023	L2.1
REVISION:	

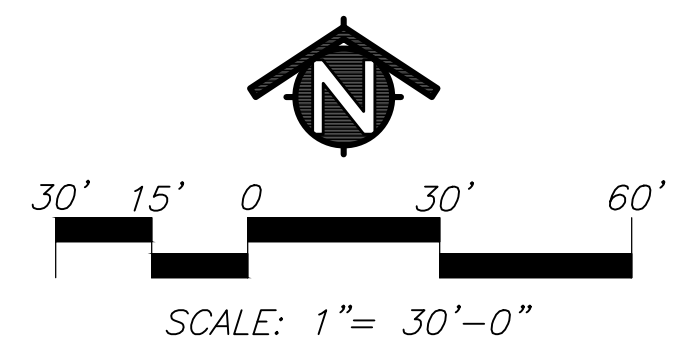
KEY | SPRINKLER IRRIGATION LEGEND

- REPAIR IRRIGATION**
- EXISTING TREE**

SPRINKLER IRRIGATION NOTES

1. COMPOSITE BASE SHEET: PROPOSED IMPROVEMENTS SHOWN ON DRAWINGS ARE SUPERIMPOSED ON A COMPOSITE BASE SHEET. THE COMPOSITE BASE SHEET IS A COMPILED OF ARCHITECTURAL ENGINEERING AND OTHER DATA THAT IS PROVIDED. THE LANDSCAPE ARCHITECT SHALL NOT BE HELD LIABLE FOR CHANGES, INACCURACIES, OMISSIONS, OR ERRORS PERTAINING TO THE COMPOSITE BASE SHEET. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THESE DOCUMENTS. ANY DISCREPANCIES NEED TO BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM AND RESOLVED PRIOR TO CONTINUATION OF WORK.
2. DESIGN PRESSURE SHOWN ON PLANS HAS BEEN FURNISHED BY WATER COMPANY OR WATER DISTRICT SERVING SITE. VERIFY PRESSURE ON-SITE PRIOR TO THE INSTALLATION OF ANY SPRINKLER IRRIGATION EQUIPMENT. IF THERE IS A DISCREPANCY, NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY IN WRITING SO ADJUSTMENTS CAN BE MADE BY LANDSCAPE ARCHITECT. FAILURE TO REPORT DISCREPANCIES AND CONTINUANCE OF WORK WILL RESULT IN ALL RE-DESIGN COSTS BEING CHARGED TO CONTRACTOR.
3. DETERMINE LOCATION OF UNDERGROUND UTILITIES. DAMAGE CAUSED BY INSTALLATION OF THIS WORK SHALL BE REPAIRED TO SATISFACTION OF GOVERNING AGENCY OR OWNER AT NO ADDITIONAL COST TO THE CONTRACT.
4. SPRINKLER OVER SPRAY SHALL NOT BE ALLOWED ON PUBLIC SIDEWALKS, BUILDING WALLS OR FENCES. MINIMUM OVERSPRAY MAY OCCUR IN PARKING AREAS. USE ADJUSTABLE NOZZLES WHENEVER POSSIBLE TO CONTROL SPRINKLER OVERSPRAY.
5. ALL LOCAL CODES AND ORDINANCES SHALL BE COMPLIED WITH. IF THERE IS A CONFLICT, NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY.
6. TESTING:
 - A. PRESSURE TEST ALL UNDERGROUND PIPING AS FOLLOWS:
 - SYSTEMS WITH BOOSTER PUMP:
 - MAIN LINE - AT 100 PSI FOR 4 HOURS.
 - LATERAL LINES - AT 100 PSI FOR 2 HOURS.
 - SYSTEMS WITH OUT BOOSTER PUMP:
 - MAIN LINE - AT STATIC PSI FOR 4 HOURS.
 - LATERAL LINES - AT STATIC PSI FOR 2 HOURS.
 - B. COVERAGE TEST: NOTE: PRIOR TO REQUESTING COVERAGE TEST, INSURE ALL HEADS ARE SET PLUMB, NOZZLES ARE ADJUSTED PROPERLY AND SYSTEM HAS BEEN CHECKED FOR AUTOMATION. REQUEST OWNER'S REPRESENTATIVES PRESENCE ON-SITE WHEN SPRINKLER SYSTEM IS COMPLETELY INSTALLED AND FULLY AUTOMATIC. PROVIDE ADEQUATE PERSONNEL AT THIS MEETING TO ADJUST AND FINE TUNE SYSTEM TO SATISFACTION OF OWNER'S REPRESENTATIVE.
7. LAYOUT ALL WORK PRIOR TO TRENCHING OPERATIONS TO DETERMINE IF MINOR MODIFICATIONS OR ADJUSTMENTS WILL BE REQUIRED.
8. INSTALL ALL SPRINKLER HEADS PERPENDICULAR TO SLOPES OR GRADE.
9. COORDINATE ALL WORK WITH OTHER TRADES SO PROGRESS OF WORK IS NOT INTERRUPTED AND CAN BE COMPLETED IN A TIMELY MANNER.
10. NO PLANTING SHALL BE STARTED UNTIL ALL SPRINKLER WORK HAS BEEN TESTED AND APPROVED IN PRESENCE OF OWNER'S REPRESENTATIVE.

CONTRACTOR TO REPAIR EXISTING IRRIGATION DAMAGED DURING CONSTRUCTION ACTIVITIES.

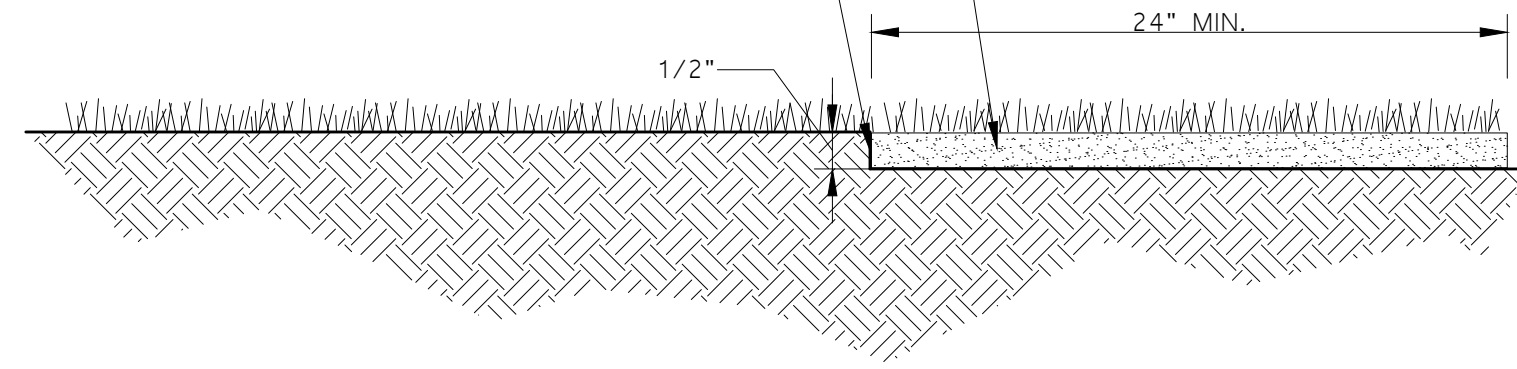


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NOTE:
1. SEE SPECIFICATIONS FOR SOD BLEND.

NEW SOD, INSTALL IN MINIMUM 24" WIDTH

GRADE TO RECEIVE NEW SOD NEEDS TO BE LOWERED BY APPROXIMATELY 1/2" SO WHEN SOD IS PLACED THE TOP OF THE SOD SOIL IS FLUSH WITH EXISTING AND THERE IS A FLUSH TRANSITION BETWEEN THE EXISTING TURF AND NEW SOD. EDGE OF EXISTING TURF TO BE CUT WITH A CLEAN STRAIGHT LINE SO NEW SOD CAN BE FLUSH WHEN INSTALLED.

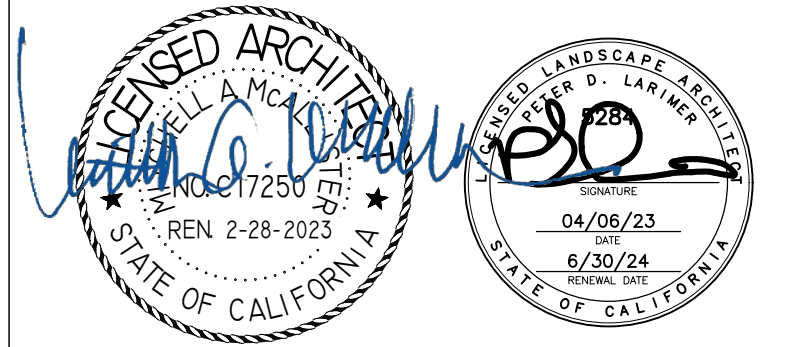


1 TURF REPAIR WITH SOD DETAIL

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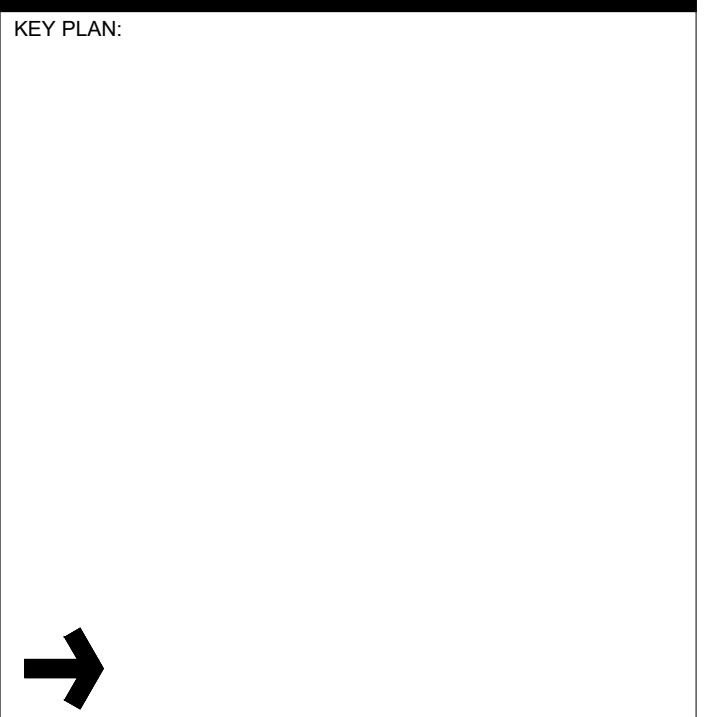
PROJECT NAME:
**SEQUOIA ELEMENTARY
SCHOOL**

3333 ROSEMONT DR
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**SEQUOIA ES TOILET
BUILDING AND
SECURITY FENCING**

SACRAMENTO CITY UNIFIED
SCHOOL DISTRICT

5735 47TH AVENUE
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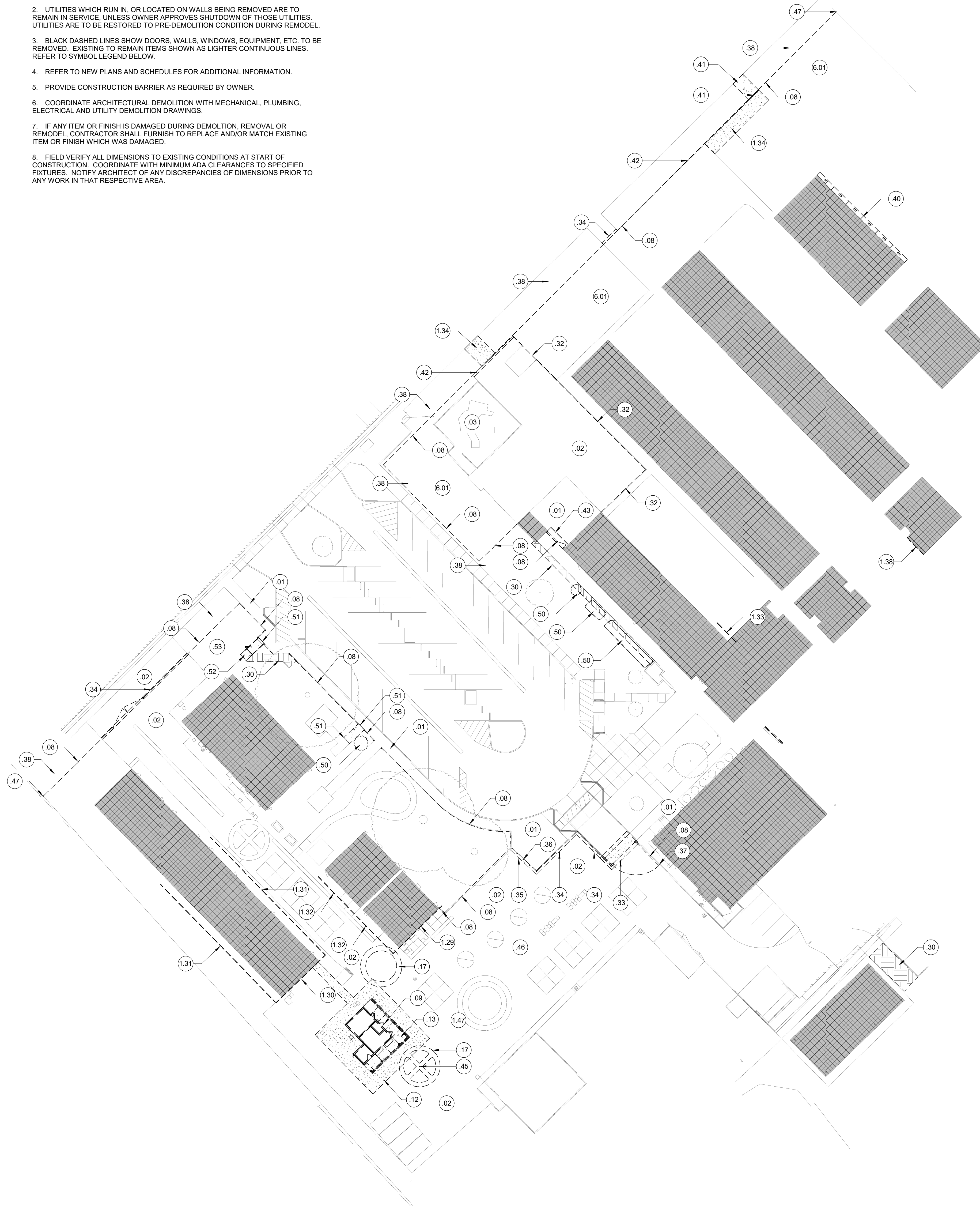


SHEET TITLE:
**LANDSCAPE
DETAILS**

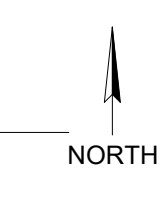
JOB NUMBER: SHEET NUMBER:
DATE:
APR 6, 2023
REVISION:
L3.1

GENERAL NOTES

- ALL COMPONENTS, FIXTURES, FINISHES, EQUIPMENT, AND FURNISHINGS EXISTING TO REMAIN SHALL BE PROTECTED FROM DUST OR DAMAGE DURING DEMOLITION AND REMODEL.
- UTILITIES WHICH RUN IN, OR LOCATED ON WALLS BEING REMOVED ARE TO REMAIN IN SERVICE, UNLESS OWNER APPROVES SHUTDOWN OF THOSE UTILITIES. UTILITIES ARE TO BE RESTORED TO PRE-DEMOLITION CONDITION DURING REMODEL.
- BLACK DASHED LINES SHOW DOORS, WALLS, WINDOWS, EQUIPMENT, ETC. TO BE REMOVED. EXISTING TO REMAIN ITEMS SHOWN AS LIGHTER CONTINUOUS LINES. REFER TO SYMBOL LEGEND BELOW.
- REFER TO NEW PLANS AND SCHEDULES FOR ADDITIONAL INFORMATION.
- PROVIDE CONSTRUCTION BARRIER AS REQUIRED BY OWNER.
- COORDINATE ARCHITECTURAL DEMOLITION WITH MECHANICAL, PLUMBING, ELECTRICAL AND UTILITY DEMOLITION DRAWINGS.
- IF ANY ITEM OR FINISH IS DAMAGED DURING DEMOLITION, REMOVAL OR REMODEL, CONTRACTOR SHALL FURNISH TO REPLACE AND/OR MATCH EXISTING ITEM OR FINISH WHICH WAS DAMAGED.
- FIELD VERIFY ALL DIMENSIONS TO EXISTING CONDITIONS AT START OF CONSTRUCTION. COORDINATE WITH MINIMUM ADA CLEARANCES TO SPECIFIED FIXTURES. NOTIFY ARCHITECT OF ANY DISCREPANCIES OF DIMENSIONS PRIOR TO ANY WORK IN THAT RESPECTIVE AREA.



1 OVERALL ARCHITECTURAL SITE DEMOLITION PLAN
1" = 30'-0"



LEGEND

- 1.01** KEYED NOTE. MAY SKIP NUMBERS. REFER TO KEYED NOTES SCHEDULE. KEYED NOTE TAGS W/O LEADER APPLIES TO ENTIRE ROOM (OR SURFACE) IN WHICH (ON WHICH) THE TAG IS LOCATED.
- EXISTING BUILDINGS TO REMAIN (NIC). LOCATION OF EXISTING COMPLIANT TOILET FACILITIES (WHERE APPLICABLE).
- EXISTING BUILDING TO BE DEMOLISHED. SALVAGE / CAP UTILITIES FOR REPLACEMENT BUILDING CONNECTION. TYP. REFER TO CIVIL.
- (E) ASPHALT PAVING TO BE SAW CUT, DEMOLISHED, AND GRADED FOR NEW PAVING.
- DEMOLISH EXISTING CONCRETE PAVING / CURBS TYP.
- DEMOLISH (E) LANDSCAPE / GRASS AREA. PREP FOR NEW CONCRETE PAVING. REVISE IRRIGATION TO EDGE OF NEW WORK. REFER TO CIVIL. USE CAUTION TO PROTECT (E) TREE ROOTS TO REMAIN.

KEYED NOTES

- (E) CONCRETE WALKWAY TO REMAIN U.O.N. PROTECT DURING CONSTRUCTION.
- (E) AC PAVING TO REMAIN U.O.N. PROTECT DURING CONSTRUCTION.
- (E) PLAY STRUCTURE TO REMAIN.
- DEMOLISH (E) FENCING ASSEMBLY AND GATES TO EXTENTS NOTED. REMOVE ALL FENCE POSTS AND FOOTINGS. BACKFILL AND COMPACT ABANDONED POST HOLES. PRIOR TO WORK FOR NEW FENCING (WHERE APPLICABLE). USE CAUTION TO PROTECT (E) IRRIGATION AND (E) ADJACENT CONCRETE / PAVING TO REMAIN (WHERE APPLICABLE).
- DEMOLISH (E) TOILET BUILDING, REFER TO CIVIL FOR MORE INFORMATION.
- DEMOLISH (E) A.C. PAVING, REFER TO CIVIL, TYP.
- DEMOLISH (E) CONC. WALKS, REFER TO CIVIL TYP.
- (E) STRIPING TO BE BLACKED OUT.
- (E) LANDSCAPE TO BE PAVED W/ CONCRETE. RELOCATE AND ADJUST IRRIGATION OUTSIDE OF NEW CONCRETE AREA WHERE APPLICABLE. REFER TO CIVIL AND LANDSCAPE.
- DEMOLISH 4" TALL CHAIN LINK FENCE FABRIC (ONLY) FROM (E) FENCING ASSEMBLY. FENCE POSTS TO REMAIN. CHIP AWAY AND REMOVE TOP 4" OF (-15) FENCE POST FOOTINGS TO ALLOW FOR 4" THICK FUTURE CONCRETE SOG.
- SAW-CUT AND DEMOLISH (E) AC PAVING TO EXTENTS NOTED. WIDTH SHALL BE 2' WIDER THAN THE NEW PROPOSED WALK (BOTH SIDES).
- SAW-CUT AND DEMOLISH (E) AC PAVING TO EXTENTS NOTED. WIDTH SHALL PROVIDE CLEAN CUT AND CLEARANCE FOR REMOVAL OF EXISTING CONCRETE FENCE POST FOOTINGS TO BE REMOVED, AND PROVIDE A PARALLEL GAP ~14" WIDE FOR THE NEW CONCRETE MOW-STRIP.
- SAW-CUT AND DEMOLISH (E) AC PAVING TO EXTENTS NOTED. WIDTH SHALL PROVIDE CLEAN CUT AND CLEARANCE FROM EXISTING CONCRETE BOLLARD FOOTINGS TO BE REMOVED.
- DEMOLISH THREE (E) BOLLARDS AND ASSOCIATED FOOTINGS, TYP.
- (E) GATE TIE-BACK BOLLARD TO REMAIN.
- (E) LANDSCAPE AREA TO REMAIN, U.O.N. USE CAUTION WHEN CUTTING FOR NEW MOW STRIP TO AVOID DAMAGING UNDERGROUND UTILITIES.
- (E) PLYWOOD SOFFIT TO BE REMOVED AND REPLACED WITH FIBER-CEMENT SOFFIT PANELS (BACK SIDE OF THIS BUILDING, TYP). SALVAGE METAL MOD-LINE COVERS FOR RE-INSTALLATION - REPLACE IF DAMAGED DURING WORK. PROVIDE 6" WIDE SECTION OF PERFORATED FIBER-CEMENT SOFFIT PANEL FOR VENTILATION, TYP.
- SAW-CUT AND DEMOLISH (E) CONCRETE WALKWAY. EDGE OF SAW-CUT TO ALIGN WITH EDGE OF NEW CONCRETE MOW-STRIP OF NEW OVERALL FENCE LAYOUT.
- SAW-CUT AND DEMOLISH EDGE OF (E) AC PAVING. EDGE OF SAW-CUT TO ALIGN WITH EDGE OF NEW CONCRETE MOW-STRIP OF NEW OVERALL FENCE LAYOUT.
- SAW-CUT AND DEMOLISH (E) CONCRETE STRIP AT EXISTING FENCING. WIDTH TO BE APPROXIMATELY 4" AND SHALL PROVIDE CLEAN CUT AND CLEARANCE FOR EXISTING CONCRETE FENCE POST FOOTINGS TO BE REMOVED. ALIGN CUTS WITH CORNER OF BUILDINGS AND EXISTING CONTROL JOINTS, (OR CENTERED ON THEM) WHERE APPLICABLE.
- (E) BALL-BASKET PLAY POLE TO BE REMOVED, SALVAGED, AND RELOCATED AFTER BUILDING IS CONSTRUCTED. CONTRACTOR SHALL CHIP-AWAY AND DEMOLISH CONCRETE FOOTING FROM (E) SALVAGED POLE ASSEMBLY, OR SHALL PROVIDE A REPLACEMENT POLE BASE BRACKET. APPROXIMATE FOOTING SIZE / DEPTH TO MATCH EXISTING.
- PROTECT (E) TETHERBALL POLES AND (E) STRIPING TO REMAIN, TYP.
- (E) CHAIN LINK FENCE CORNER POST TO BE REMOVED. REPLACE WITH ~7" ORNAMENTAL FENCE POST (TO MATCH HEIGHT OF (E) CHAIN LINK FENCE). PROVIDE HARDWARE AS REQUIRED TO CONNECT EXISTING CHAIN LINK FENCING TO NEW ORNAMENTAL POST.
- REMOVE (E) PLANTING AND ROOT ASSEMBLY. REMOVE (E) IRRIGATION FROM WHERE NEW CONCRETE WALKWAYS ARE TO BE INSTALLED, TYP.
- SAW-CUT ALONG ADJOINING EDGE.
- DEMOLISH (E) CONCRETE LANDING. TEMPORARILY REMOVE AND SALVAGE (E) MANUFACTURED RAMP ASSEMBLY TO BE REINSTALLED AFTER THE NEW CONCRETE LANDING IS PLACED.
- SAW-CUT AND DEMOLISH (E) LOWER CONCRETE RAMP ASSEMBLY AND ASSOCIATED HANDRAILS.
- REMOVE AND REPLACE (E) DRY-ROT DAMAGED ~40' OF SOUTHERNMOST 2x12 GABLERAKE FASCIA BOARD (RIP TO MATCH EXISTING AS REQUIRED). ENTIRE ELEVATION. REMOVE AND REINSTALL ELECTRICAL WALL-PACK LIGHT, AND ELECTRICAL CONDUIT AS REQUIRED. DRIP-EDGE TO BE REPLACED AND RE-WELDED TO (E) ROOFING TO REMAIN AS REQUIRED TO PERFORM WORK, OR IF DAMAGED.
- REMOVE AND REPLACE (E) DRY-ROT DAMAGED ~40' OF SOUTHERNMOST 2x12 GABLERAKE FASCIA BOARD (RIP TO MATCH EXISTING AS REQUIRED). ENTIRE ELEVATION. REMOVE AND REINSTALL ELECTRICAL MAST UNISTRUT MOUNT, ELECTRICAL MAST BRACING, AND ELECTRICAL CONDUIT AS REQUIRED. DRIP-EDGE TO BE REPLACED AND RE-WELDED TO (E) ROOFING TO REMAIN AS REQUIRED TO PERFORM WORK, OR IF DAMAGED.
- REMOVE AND REPLACE DRY-ROT DAMAGED ~100' NORTHEAST ELEVATION AND SOUTHWEST ELEVATION OF 2x12 FASCIA BOARD (RIP TO MATCH EXISTING AS REQUIRED). REMOVE AND REINSTALL DRIP-EDGE AS REQUIRED TO PERFORM WORK, REPLACE IF DAMAGED.
- REMOVE AND REPLACE DRY-ROT DAMAGED (E) 32' OF 2x12 FASCIA BOARD (RIP TO MATCH EXISTING) ACROSS THE ENTIRE FRONT OF THIS BUILDING. PROTECT STANDING SEAM METAL ROOFING AND INTEGRAL DRIP-EDGE.
- REMOVE AND REPLACE DRY-ROT DAMAGED (E) 16' OF 2x12 FASCIA BOARD AT HIGH ROOF (RIP TO MATCH EXISTING AS REQUIRED). PROTECT ROOFING AND METAL DRIP-EDGE TO REMAIN, U.O.N.
- DEMOLISH AC PAVING. PROVIDE NATIVE SOIL AND SOD TO BE FLUSH WITH (E) ADJACENT LANDSCAPE. ADJUST (E) ADJACENT IRRIGATION HEADS TO PROVIDE IRRIGATION COVERAGE.
- REMOVE AND REPLACE DRY-ROT DAMAGED (E) 14' OF 2x12 FASCIA BOARD. PROTECT ROOFING AND METAL DRIP-EDGE TO REMAIN, U.O.N.
- RESTRIPE PLAY STRIPING IF DAMAGED DURING CONSTRUCTION, TYP.
- (E) LAWN AREA TO REMAIN. PROTECT DURING CONSTRUCTION.

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DATE: 04/12/2023



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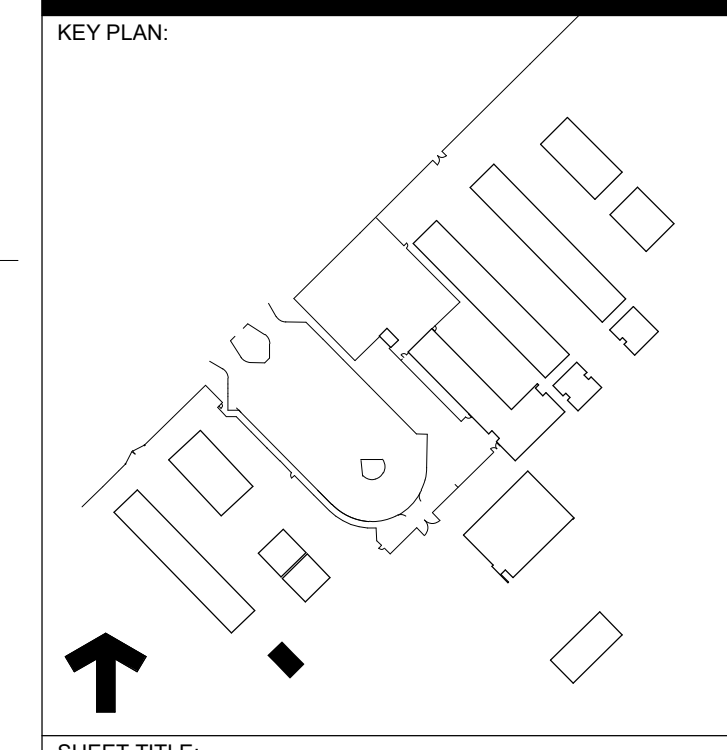
PROJECT NAME:
SEQUOIA ELEMENTARY SCHOOL

3333 ROSEMONT DR
SACRAMENTO, CA 95826

REPLACEMENT TOILET BUILDING AND SECURITY FENCING

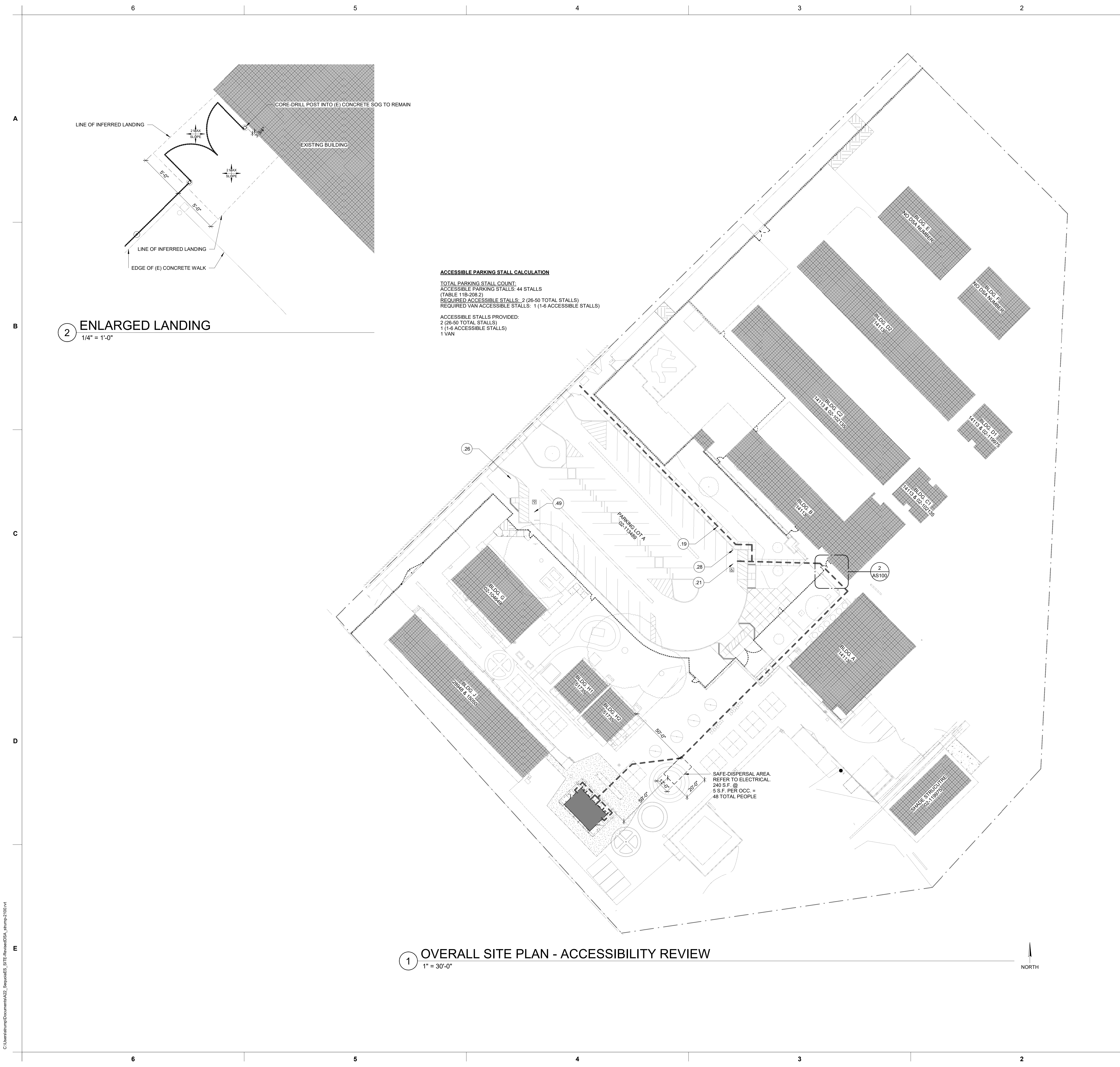
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVENUE
SACRAMENTO, CA 95824
SACRAMENTO COUNTY



OVERALL ARCHITECTURAL SITE DEMOLITION PLAN

JOB NUMBER:	SHEET NUMBER:
DATE: APRIL 5, 2023	AS99
REVISION:	



1 OVERALL SITE PLAN - ACCESSIBILITY REVIEW
1" = 30'-0"

2 ENLARGED LANDING
1/4" = 1'-0"

ACCESSIBLE PARKING STALL CALCULATION
 TOTAL PARKING STALL COUNT: 44 STALLS
 ACCESSIBLE PARKING STALLS: 44 STALLS
 (TABLE 11B-208.2)
 REQUIRED ACCESSIBLE STALLS: 2 (28-50 TOTAL STALLS)
 REQUIRED VAN ACCESSIBLE STALLS: 1 (1-6 ACCESSIBLE STALLS)
 ACCESSIBLE STALLS PROVIDED:
 2 (28-50 TOTAL STALLS)
 1 (1-6 ACCESSIBLE STALLS)
 1 VAN

GENERAL NOTES

1. PATH OF TRAVEL (P.O.T.) IS INDICATED AS :
 - A COMMON BARRIER FREE ACCESSIBLE ROUTE AT LEAST 48" WIDE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL
 - THE PATH SURFACE IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH.
 - PASSING SPACES AT LEAST 5'-0" x 5'-0" ARE LOCATED NOT MORE THAN 200' APART (11B-403.5.3)
 - CONTINUOUS GRADIENTS HAVE 60" LEVEL AREA NO MORE THAN 400' APART (11B-403.7)
 - THE CROSS SLOPE DOES NOT EXCEED 2% AND 5% MAX SLOPE IN THE DIRECTION OF TRAVEL
 - 8% MAX SLOPE IN THE DIRECTION OF TRAVEL AS INDICATED AS A RAMP.
 - MAINTAIN P.O.T. FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM. PROTRUDING OBJECTS GREATER THEN 4" PROJECTION FROM WALL OR EDGE AND 27" ABOVE FINISH GRADE (11B-307.2).
2. MEDIUM BROOM FINISH ON ALL NEW CONCRETE WALKS LESS THAN 5% SLOPE, HEAVY BROOM FINISH GREATER THAN 5% SLOPE.
3. STORAGE OF ALL CONSTRUCTION MATERIAL AND EFFECT OF WORK ON (E) OCCUPIED AREAS SHALL BE APPROVED BY LOCAL FIRE AUTHORITY.
4. ALL GATES ALONG THE FIRE TRUCK ROUTE SHALL BE 20'-0" CLEAR U.O.N.
5. ALL NEW CONCRETE WALKS WILL HAVE A MAXIMUM CROSS SLOPE OF 2% AND A MAXIMUM 5% SLOPE IN THE DIRECTION OF TRAVEL, TYP.
6. 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 NON-COMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NON-COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARSHNESS ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.
7. ALL PEDESTRIAN GATES ALONG THE IDENTIFIED PATH OF TRAVEL AND ACCESSIBLE

LEGEND

- EXISTING CAMPUS BUILDINGS N.I.C. UNLESS OTHERWISE NOTED.
- PROPOSED REPLACEMENT TOILET BUILDING PER THIS APPLICATION
- PATH OF TRAVEL (P.O.T.). REFER TO GENERAL NOTES.
- KEYED NOTE. REFER TO KEYED NOTES SCHEDULE. KEYED NOTE TAG WITHOUT LEADER APPLIES TO THE ENTIRE ROOM OR SURFACE IN WHICH (ON WHICH) THE TAG IS LOCATED. KEYED NOTES MAY SKIP NUMBERS.
- 6" TALL ORNAMENTAL FENCING ASSEMBLY. REFER TO KEYED NOTES AND FENCE DETAILS FOR CONCRETE CURB REQUIRED BELOW FENCE ASSEMBLY WHERE APPLICABLE AND NOT MOUNTED ATOP EXISTING CONCRETE PAVING TO REMAIN.
- REPLACE (E) CHAIN LINE FENCE FABRIC WITH BLACK VINYL-COATED CHAIN LINK FENCING FABRIC CONNECTED TO EXISTING FENCE POSTS, TYP. POSTS AND TOP RAIL TO BE PAINTED. PROVIDE NEW GATES AS SCHEDULED. PROVIDE NEW HARDWARE AS REQUIRED. PROVIDE NEW LOWER TENSION WIRE, TYP.
- PROPERTY LINE

KEYED NOTES

- .19 (E) COMPLIANT PATH OF TRAVEL TO PUBLIC WAY PER DSA 02-119975
- .21 (E) ADA-COMPLIANT ACCESSIBLE PARKING PER APP #02-113489 & 02-119975
- .26 (E) PARKING LOT ENTRANCE SIGN PER DSA #02-113489.
- .28 ACCESSIBLE SIGNAGE PER DSA #02-113489
- .49 (E) ADA-COMPLIANT VAN-ACCESSIBLE PARKING PER APP #02-113489 & 02-119975

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 DATE: 04/12/2023

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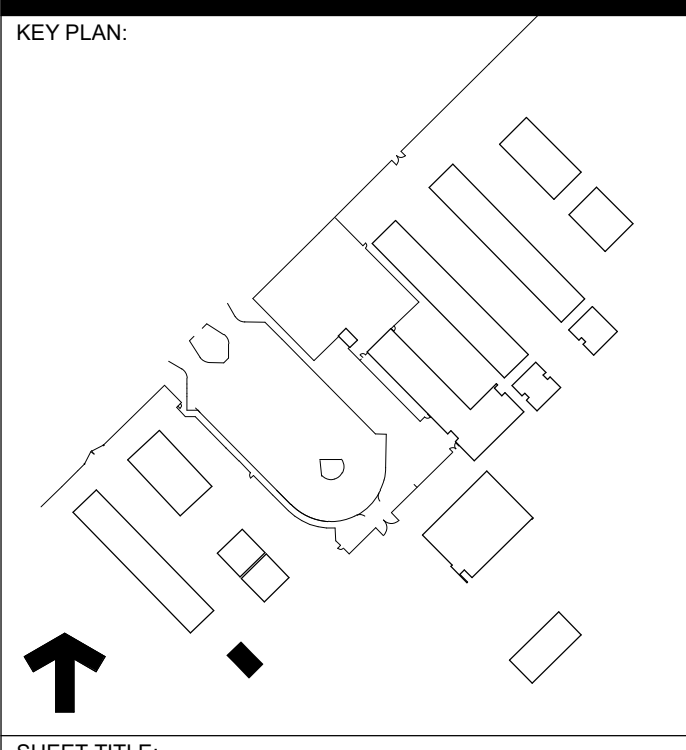
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REPLACEMENT TOILET BUILDING AND SECURITY FENCING

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 5735 47TH AVENUE
 SACRAMENTO, CA 95824
 SACRAMENTO COUNTY



SHEET TITLE:
OVERALL SITE ACCESSIBILITY REVIEW

JOB NUMBER: SHEET NUMBER:
 DATE: APRIL 5, 2023
 REVISION:
AS100

GENERAL NOTES

- PROTECT EXISTING EDGES TO REMAIN. EXISTING ADJACENT CONCRETE PAVING AND BUILDINGS SHALL REMAIN CLEAN. NO OVER-APPLICATION OF SEAL-COAT TO DISSIMILAR MATERIALS.
- ALL REPLACEMENT PAVING IN OPEN COURTYARD AREAS SHALL MAINTAIN 2% MAXIMUM SLOPE IN ANY DIRECTION.
- REFER TO ENLARGED PLAN CALLOUTS FOR INFORMATION WITHIN THE CALLOUT BUBBLE.
- FOR ALL NEW CONCRETE FLATWORK, REFER TO B5/AS501.

LEGEND

- KEYED NOTE. MAY SKIP NUMBERS. REFER TO KEYED NOTES SCHEDULE. KEYED NOTE TAGS W/O LEADER APPLIES TO ENTIRE ROOM (OR SURFACE) IN WHICH (ON WHICH) THE TAG IS LOCATED.
- NEW ASPHALT PATCHBACK OVER PREPPED SUB GRADE. REFER TO CIVIL.
- 4" CONCRETE W/RS REBAR AT 18" O.C. EACH WAY OVER 6" AGG BASE/BLEND OVER PREPPED SUB-GRADE, TYP. REFER TO CIVIL.
- GRADE AND PLACE PATCHBACK SOD. REVISE EXISTING IRRIGATION LAYOUT AND SPACING TO EDGE OF NEW PAVING, AND ENSURE ADEQUATE COVERAGE
- 6" TALL ORNAMENTAL FENCING ASSEMBLY. REFER TO KEYED NOTES AND FENCE DETAILS FOR CONCRETE CURB REQUIRED BELOW FENCE ASSEMBLY WHERE APPLICABLE.
- BLACK VINYL-COATED CHAIN LINK FENCING FABRIC CONNECTED TO EXISTING FENCE POSTS, TYP (POSTS AND TOP RAIL TO BE PAINTED), PROVIDE NEW GATES AS SCHEDULED. PROVIDE NEW HARDWARE AS REQUIRED. PROVIDE NEW LOWER TENSION WIRE, TYP.
- EXPANSION JOINT (REFER TO DETAIL B5/AS501)
- CONTROL JOINT (REFER TO DETAIL B5/AS501)
- NEW TOILET BUILDING AS A PART OF THIS APPLICATION
- (E) CAMPUS BUILDING TO REMAIN, U.O.N. PROVIDE A COST TO PREP, PRIME, AND PAINT ALL (E) PAINTED SURFACES AS ALTERNATE #1.

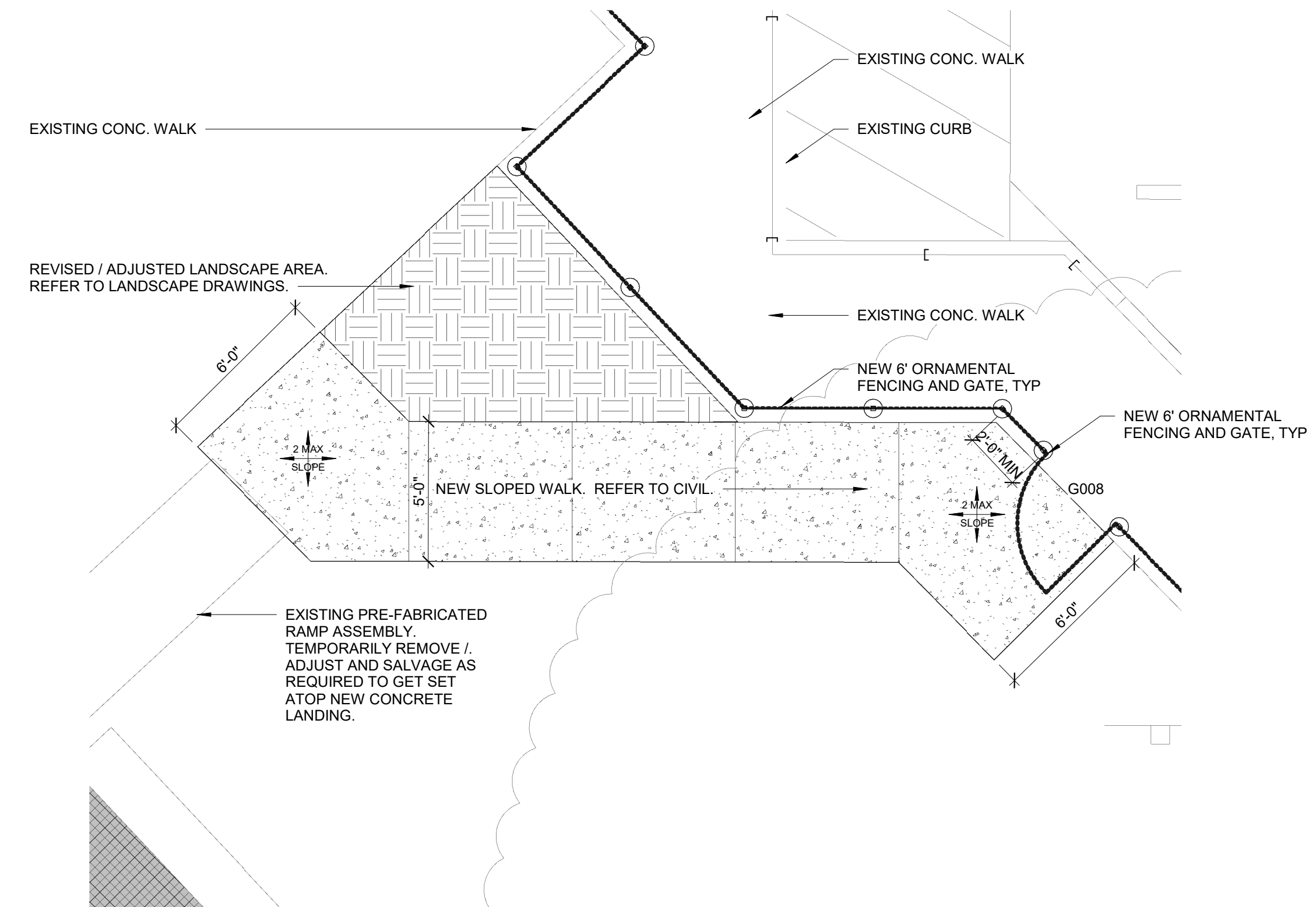
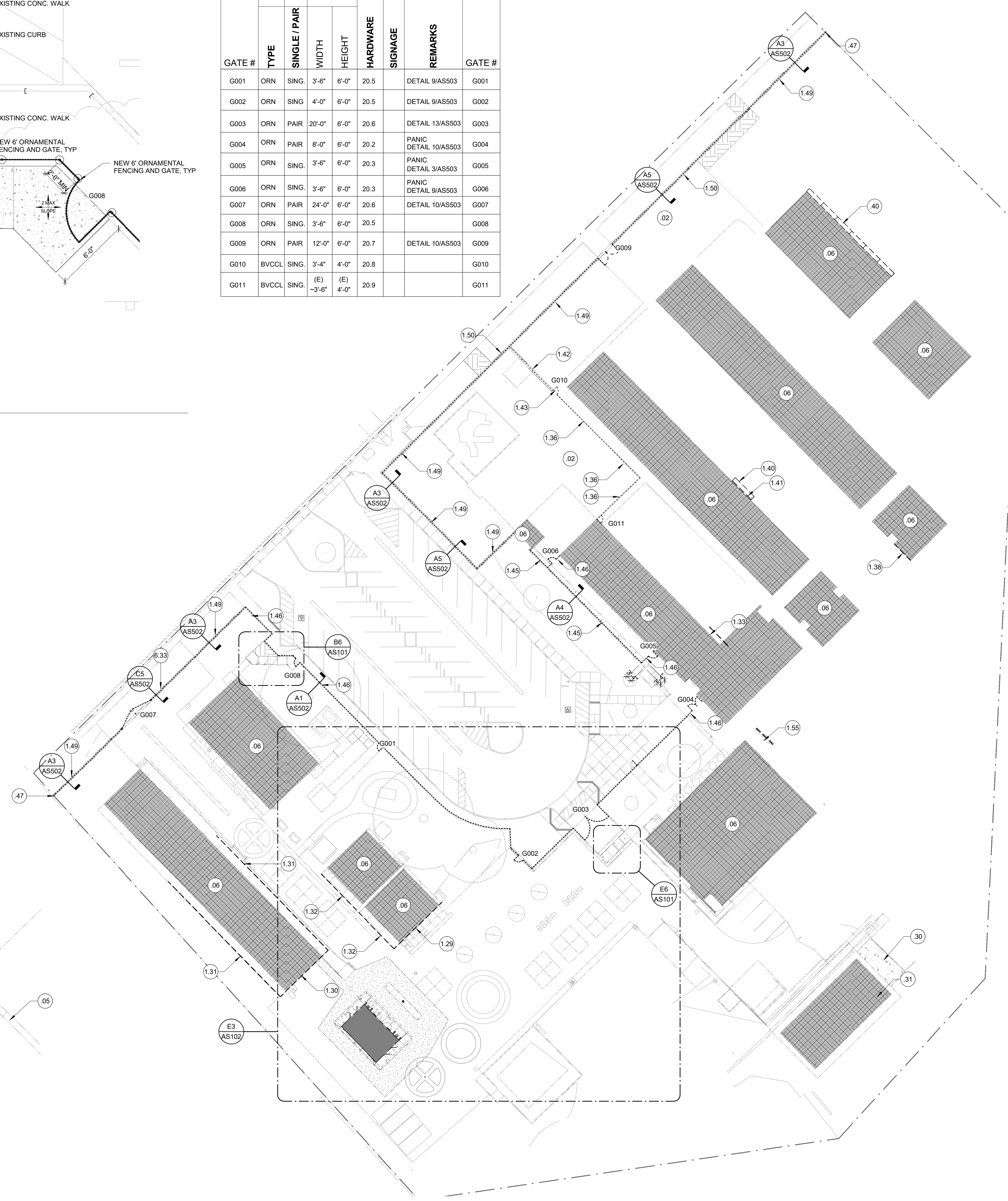
KEYED NOTES

- 01 (E) CONCRETE WALKWAY TO REMAIN U.O.N. PROTECT DURING CONSTRUCTION.
- 02 (E) AC PAVING TO REMAIN U.O.N. PROTECT DURING CONSTRUCTION.
- 05 (E) CONCRETE GUTTER TO REMAIN U.O.N.
- 06 (E) BUILDING TO REMAIN, REPAINT ALL PAINTED SURFACES AS ALTERNATE # 1, TYP.
- 30 (E) LANDSCAPE TO BE PAVED W/ CONCRETE. RELOCATE AND ADJUST IRRIGATION OUTSIDE OF NEW CONCRETE AREA WHERE APPLICABLE. REFER TO CIVIL AND LANDSCAPE.
- 31 (E) SHADE STRUCTURE TO REMAIN.
- 40 (E) PLYWOOD SOFFIT TO BE REMOVED AND REPLACED WITH FIBER-CEMENT SOFFIT PANELS (BACK SIDE OF THIS BUILDING, TYP). SALVAGE METAL MOD-LINE COVERS FOR RE-INSTALLATION. REPLACE IF DAMAGED DURING WORK. PROVIDE 6" WIDE SECTION OF PERFORATED FIBER-CEMENT SOFFIT PANEL FOR VENTILATION, TYP.
- 47 (E) CHAIN LINK FENCE CORNER POST TO BE REMOVED. REPLACE WITH ~7" ORNAMENTAL FENCE POST (TO MATCH HEIGHT OF (E) CHAIN LINK FENCE) PROVIDE HARDWARE AS REQUIRED TO CONNECT EXISTING CHAIN LINK FENCING TO NEW ORNAMENTAL POST.
- 129 REMOVE AND REPLACE (E) DRY-ROT DAMAGED ~40' OF SOUTHERNMOST 2x12 GABLE/RAKE FASCIA BOARD (RIP TO MATCH EXISTING AS REQUIRED) - ENTIRE ELEVATION. REMOVE AND REINSTALL ELECTRICAL WALL-PACK LIGHT, AND ELECTRICAL CONDUIT AS REQUIRED. DRIP-EDGE TO BE REPLACED AND RE-WELDED TO (E) ROOFING TO REMAIN AS REQUIRED TO PERFORM WORK, OR IF DAMAGED.
- 130 REMOVE AND REPLACE (E) DRY-ROT DAMAGED ~40' OF SOUTHERNMOST 2x12 GABLE/RAKE FASCIA BOARD (RIP TO MATCH EXISTING AS REQUIRED) - ENTIRE ELEVATION. REMOVE AND REINSTALL ELECTRICAL MAST UNISTRUT MOUNT, ELECTRICAL MAST BRACING, AND ELECTRICAL CONDUIT AS REQUIRED. DRIP-EDGE TO BE REPLACED AND RE-WELDED TO (E) ROOFING TO REMAIN AS REQUIRED TO PERFORM WORK, OR IF DAMAGED.
- 131 REMOVE AND REPLACE DRY-ROT DAMAGED ~100' NORTHEAST ELEVATION AND SOUTHWEST ELEVATION OF 2x12 FASCIA BOARD (RIP TO MATCH EXISTING AS REQUIRED). REMOVE AND REINSTALL DRIP-EDGE AS REQUIRED TO PERFORM WORK. REPLACE IF DAMAGED.
- 132 REMOVE AND REPLACE DRY-ROT DAMAGED (E) 32' OF 2x12 FASCIA BOARD (RIP TO MATCH EXISTING ACROSS THE ENTIRE FRONT OF THIS BUILDING. PROTECT STANDING SEAM METAL ROOFING AND INTEGRAL DRIP-EDGE.
- 133 REMOVE AND REPLACE DRY-ROT DAMAGED (E) 18' OF 2x12 FASCIA BOARD AT HIGH ROOF (RIP TO MATCH EXISTING AS REQUIRED). PROTECT ROOFING AND METAL DRIP EDGE TO REMAIN, U.O.N.
- 136 PRIME AND PAINT BLACK (E) 4" TALL FENCE POSTS, HARDWARE, AND TOP RAIL TO REMAIN. PROVIDE BLACK VINYL-COATED CHAIN LINK FENCE FABRIC AT EXISTING FENCE POSTS. PROVIDE NEW ANCHORING HARDWARE AND LOWER TENSION WIRE, TYP.
- 138 REMOVE AND REPLACE DRY-ROT DAMAGED (E) 14' OF 2x12 FASCIA BOARD. PROTECT ROOFING AND METAL DRIP-EDGE TO REMAIN, U.O.N.
- 140 PROVIDE APPROXIMATELY 3' WIDE x 18" LONG SECTION OF MISSING SOFFIT BOARD. PROVIDE 'SMOOTH-STYLE CEMENT FIBER SOFFIT BOARD.
- 141 PROVIDE APPROXIMATELY 4' WIDE x 18" LONG SECTION OF MISSING METAL MESH SOFFIT VENT. SIZE AND STYLE TO MATCH EXISTING.
- 142 PROVIDE CONCRETE MOW-STRIP AROUND EXISTING FENCE POSTS AT EXISTING PLANTER. MOW-STRIP TO BE APPROXIMATELY 14"-18" WIDE IN ORDER TO MARRY UP TO EDGE OF EXISTING AC PAVING AND KEEP FENCE POSTS APPROXIMATELY CENTERED (AT LEAST 6" FROM EDGE OF MOW STRIP). PROVIDE A CLEAN AND STRIGHT SAW-CUT JOINT AT EXISTING AC. ADJUST IRRIGATION LINE AND HEADS TO BE OUTSIDE OF AND ADJACENT TO NEW CONCRETE MOW-STRIP WHERE APPLICABLE.
- 143 PROVIDE APPROXIMATE 4" TALL GATE POSTS FOR SCHEDULED GATE (WHERE CHAIN LINK FENCE FABRIC IS REPLACED ON EXISTING FENCE POSTS).
- 145 THIS FENCING ASSEMBLY SEGMENT TO BE INSTALLED ~10'-3" (TO CL) FROM FACE OF EXISTING BUILDING (MAINTAIN 10'-0" CLEAR MIN). CONCRETE WALKWAY SHALL BE EXTENDED ~3'-4" FROM FACE EDGE OF (E) CONCRETE (7" FROM CL OF FENCE AS INDICATED); SLOPE @ 2% MAX TOWARD LANDSCAPING. REMOVE AND RELOCATE IRRIGATION TO NEW CONCRETE EDGE - REFER TO LANDSCAPE.
- 146 THIS FENCING ASSEMBLY SEGMENT TO BE INSTALLED WITHIN EXISTING CONCRETE WALKWAY. FENCING TO BE CENTERED AT 6 1/2" FROM EDGE OF CONCRETE. FENCE POSTS TO BE CORED USING 8" CORE. MAINTAIN 2 1/2" SECTION OF CONCRETE TO EDGE MINIMUM.
- 149 THIS FENCING ASSEMBLY SEGMENT TO BE INSTALLED WITHIN EXISTING LANDSCAPE AREA, AND SHALL BE PROVIDED WITH A 14" WIDE x 5" THICK CONCRETE MOW STRIP. PROVIDE (2) #4 REBAR CONTINUOUS.
- 150 THIS FENCING ASSEMBLY SEGMENT TO BE INSTALLED ABUTTING (E) SAW-CUT AC PAVING. MOW STRIP TO BE FLUSH WITH (E) AC, AND HAVE A RADIUS EDGE, TYP. CONTRACTOR SHALL ENSURE THAT THE SAW-CUT EDGE OF THE EXISTING AC PAVING IS STRIGHT, AND PROTECTED DURING CONSTRUCTION.
- 155 REMOVE AND REPLACE DRY-ROT DAMAGED (E) 12' OF 2x12 FASCIA BOARD ABOVE TILE ACCENT WALL (RIP TO MATCH EXISTING AS REQUIRED). REMOVE AND SALVAGE (E) CUTTER AND REMOVE (E) METAL DRIP EDGE IMPACTED BY THE FASCIA REPLACEMENT WORK. REINSTALL SALVAGED GUTTER. INSTALL NEW DRIP EDGE AND PATCH-BACK ROOFING AS REQUIRED ALONG WORK AREA.
- 6.33 REPLACEMENT CONCRETE FENCING MOW STRIP TO BE FLUSH WITH (E) ADJACENT PAVING. PROVIDE A RADIUS EDGE, TYP.

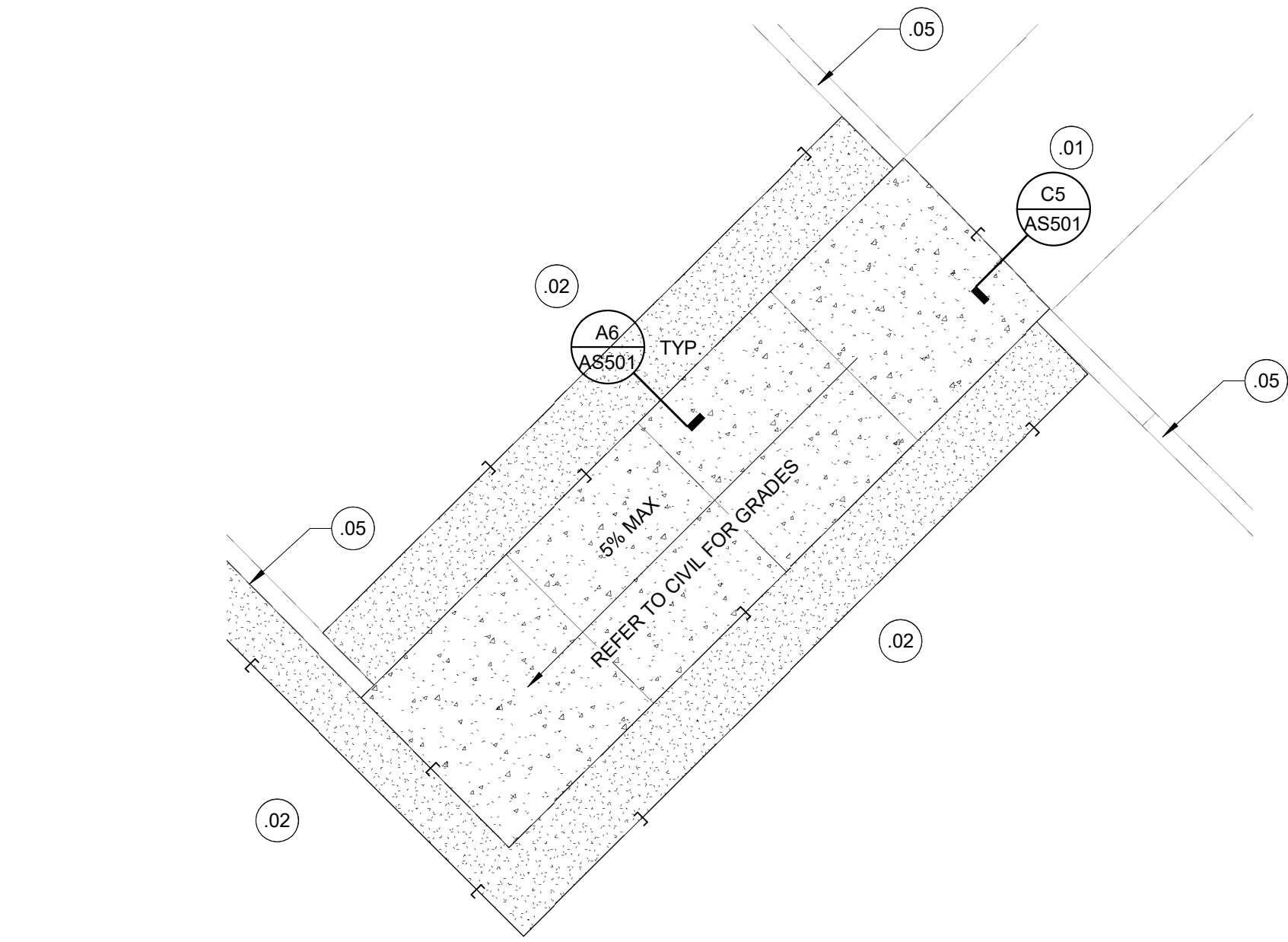
FENCING GATE SCHEDULE

GATE #	TYPE	SINGLE / PAIR	WIDTH	HEIGHT	HARDWARE	SIGNAGE	REMARKS	GATE #
G001	ORN	SING.	3'-6"	6'-0"	20.5		DETAIL 9/AS503	G001
G002	ORN	SING.	4'-0"	6'-0"	20.5		DETAIL 9/AS503	G002
G003	ORN	PAIR	20'-0"	6'-0"	20.6		DETAIL 13/AS503	G003
G004	ORN	PAIR	8'-0"	6'-0"	20.2		PANIC DETAIL 10/AS503	G004
G005	ORN	SING.	3'-6"	6'-0"	20.3		PANIC DETAIL 3/AS503	G005
G006	ORN	SING.	3'-6"	6'-0"	20.3		PANIC DETAIL 9/AS503	G006
G007	ORN	PAIR	24'-0"	6'-0"	20.6		DETAIL 10/AS503	G007
G008	ORN	SING.	3'-6"	6'-0"	20.5			G008
G009	ORN	PAIR	12'-0"	6'-0"	20.7		DETAIL 10/AS503	G009
G010	BVCCCL	SING.	3'-4"	4'-0"	20.8			G010
G011	BVCCCL	SING.	(E) -3'-6"	(E) 4'-0"	20.9			G011

1 OVERALL ARCHITECTURAL SITE PLAN
 1" = 30'-0"



B6 ENLARGED GATE PLAN
 1/4" = 1'-0"



E6 ENLARGED CONC. WALK
 1/4" = 1'-0"

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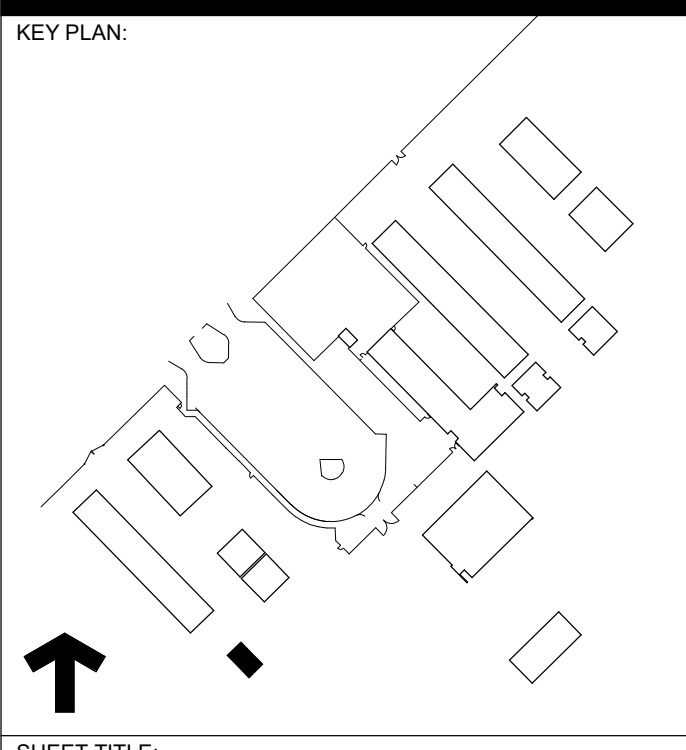
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REPLACEMENT TOILET BUILDING AND SECURITY FENCING

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

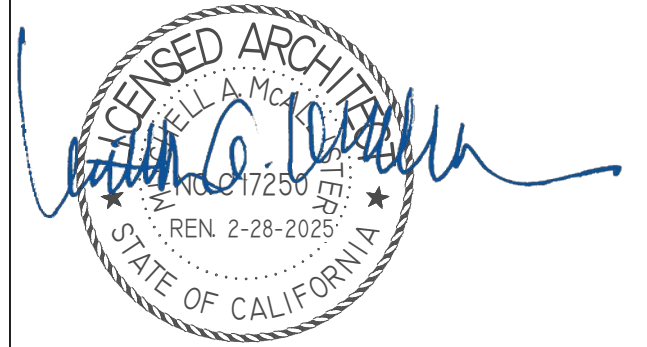
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SACRAMENTO COUNTY



OVERALL ARCHITECTURAL SITE PLAN

JOB NUMBER:	SHEET NUMBER:
DATE:	APRIL 5, 2023
REVISION:	AS101



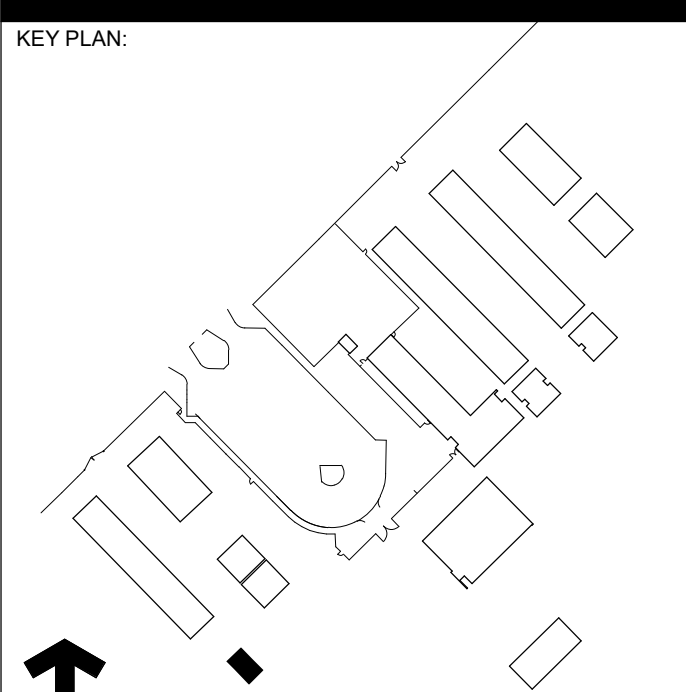
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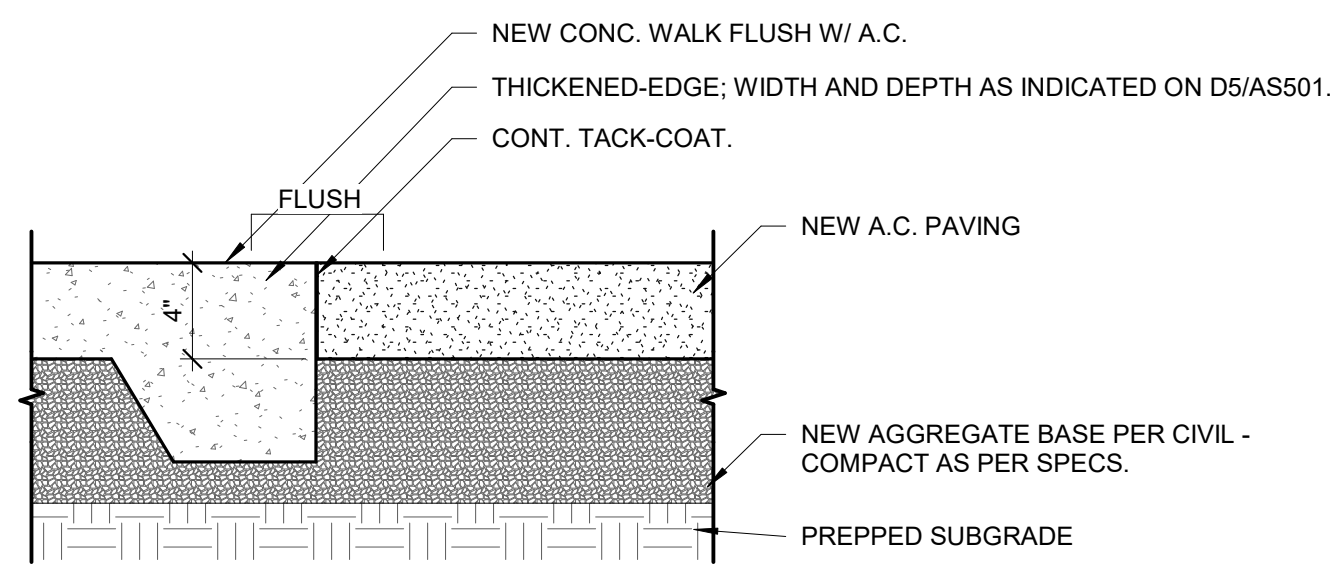
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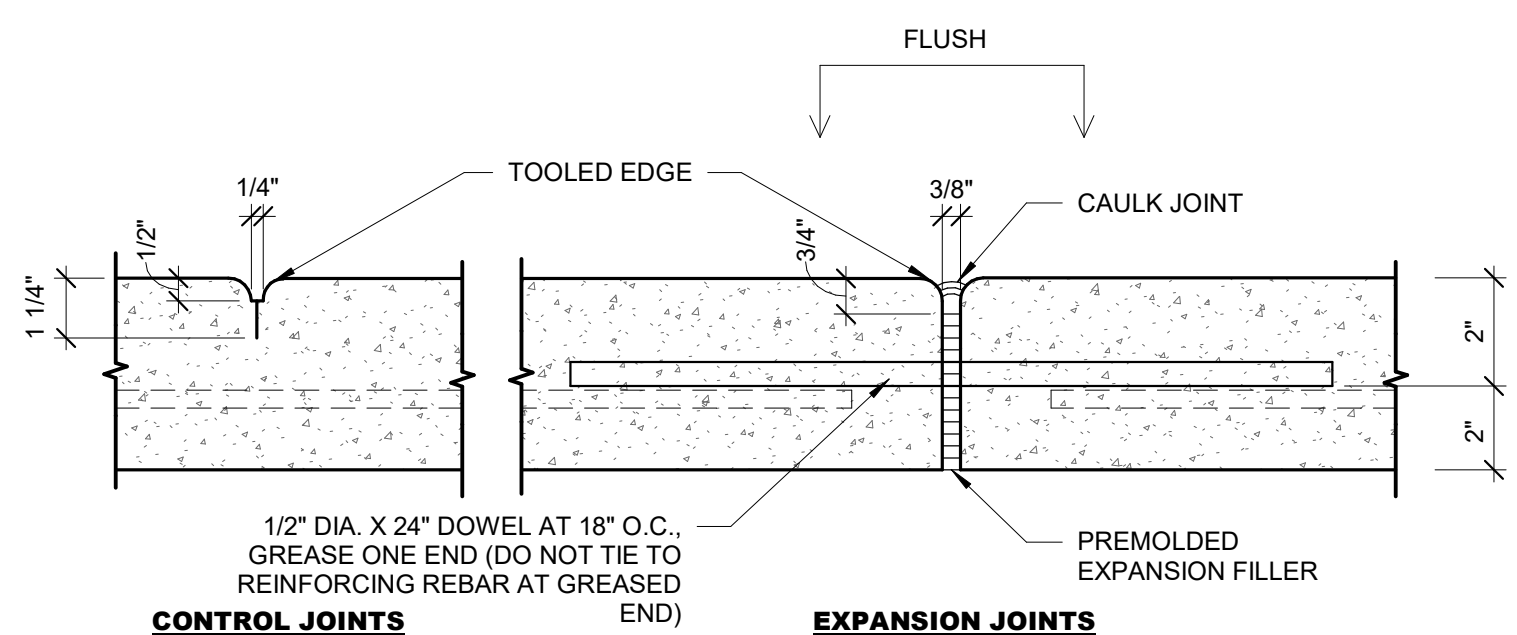


SHEET TITLE:
SITE DETAILS

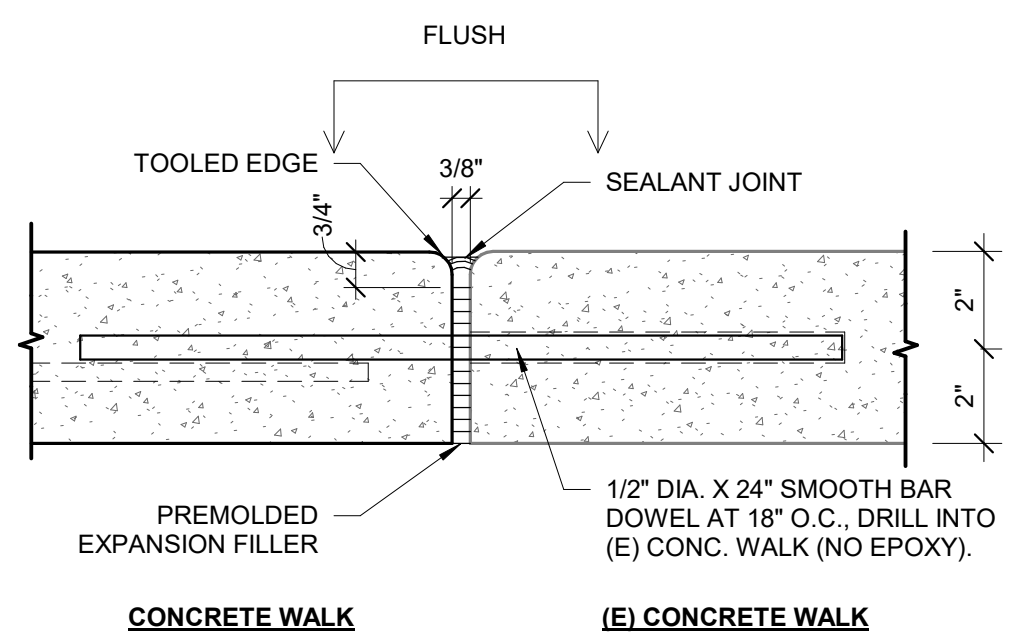
JOB NUMBER:	SHEET NUMBER:
DATE: APRIL 5, 2023	AS501
REVISION:	



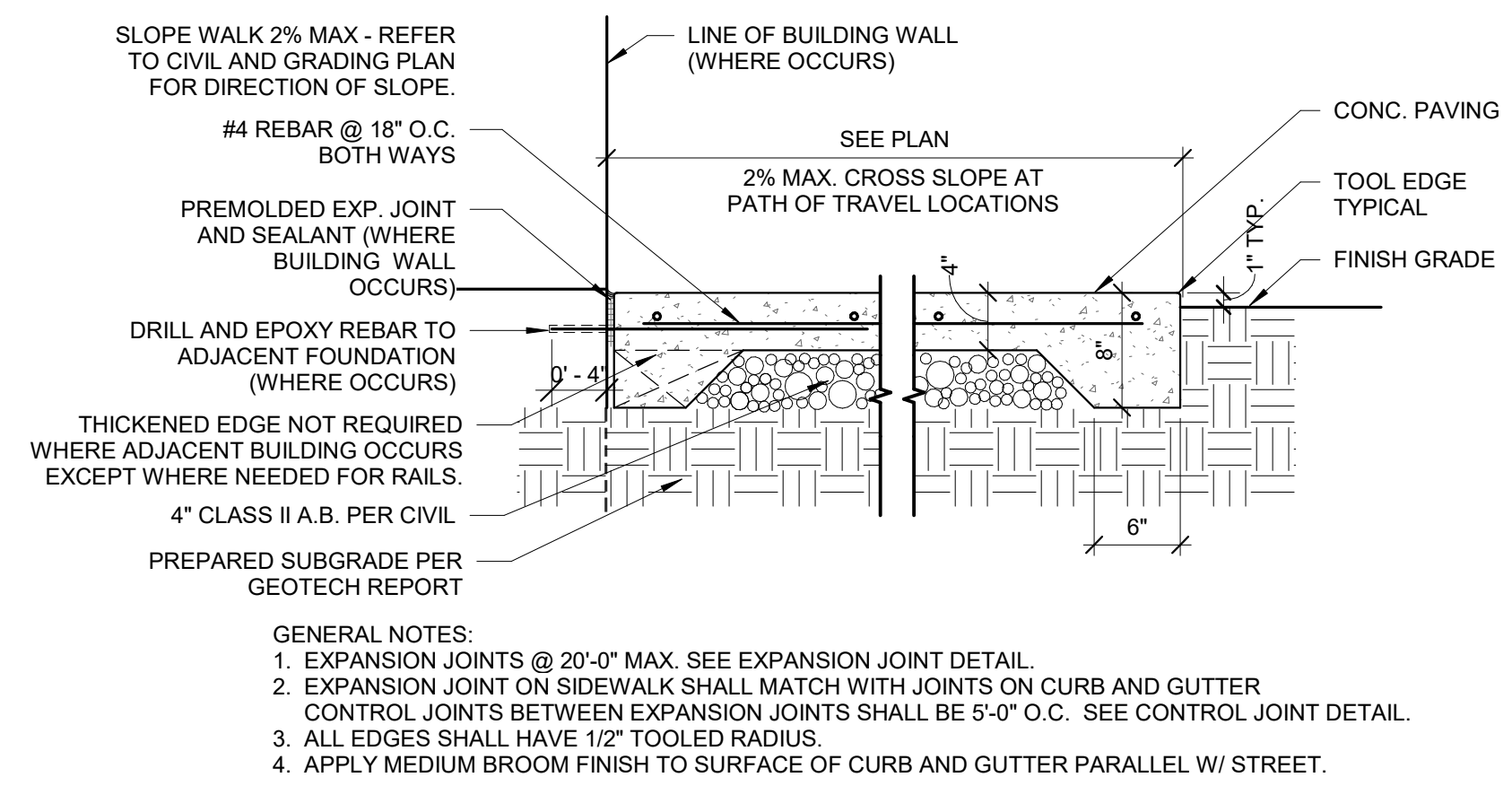
A6 A.C. TO CONC. WALK
 1 1/2" = 1'-0"



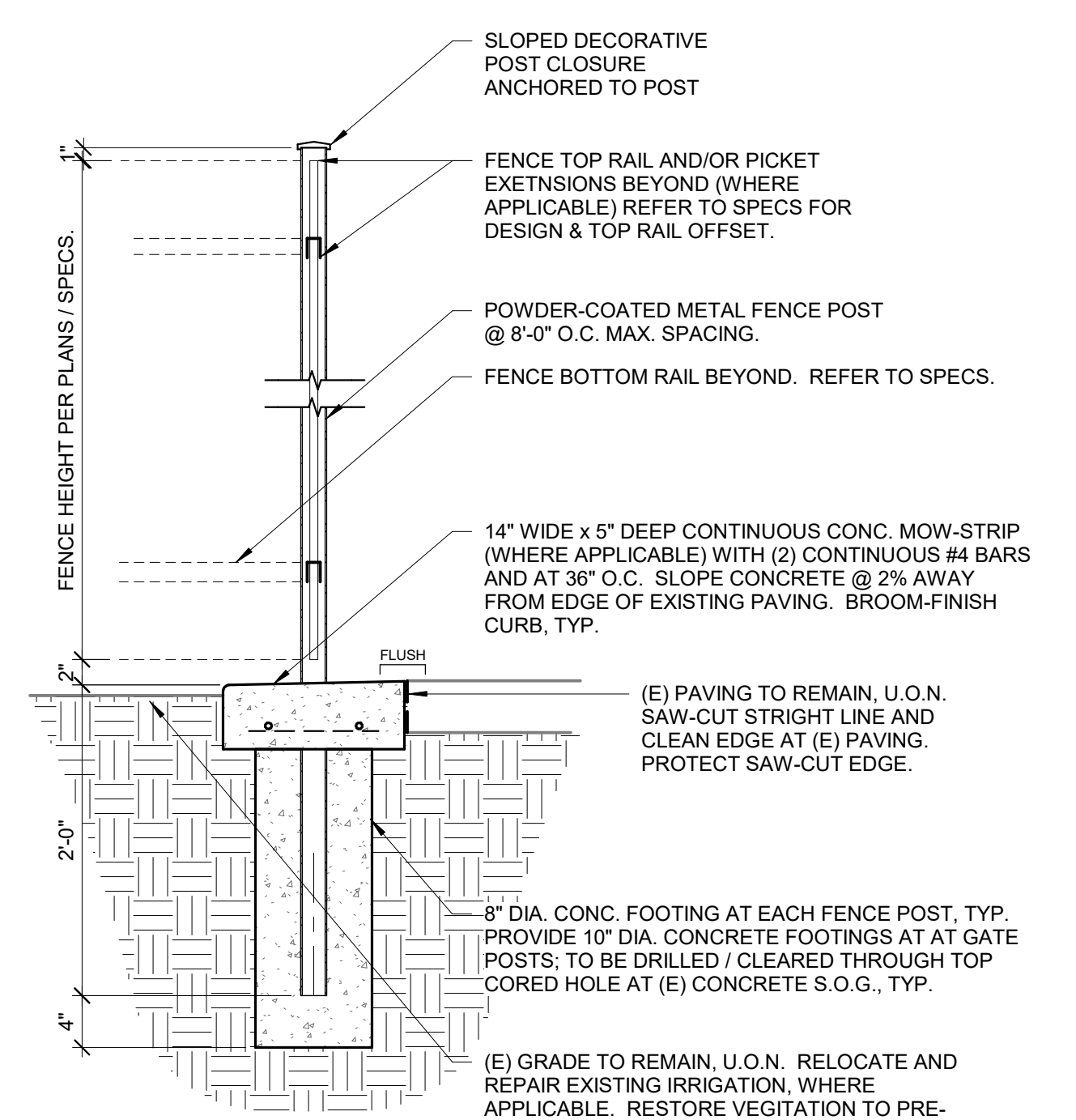
B5 TYP. CONCRETE JOINTS
 3" = 1'-0"



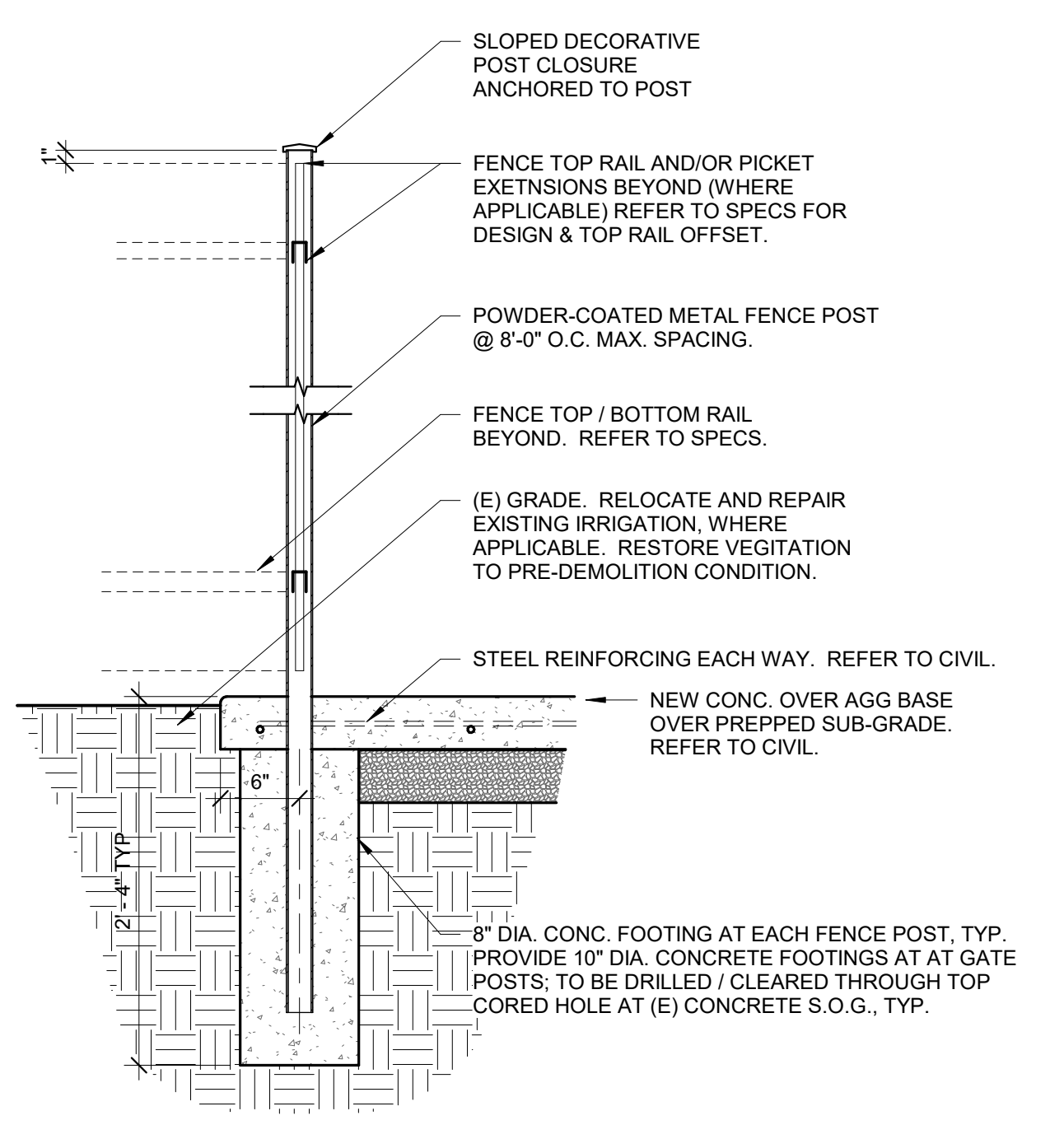
C5 EXPANSION JOINT TO (E) CONC.
 3" = 1'-0"



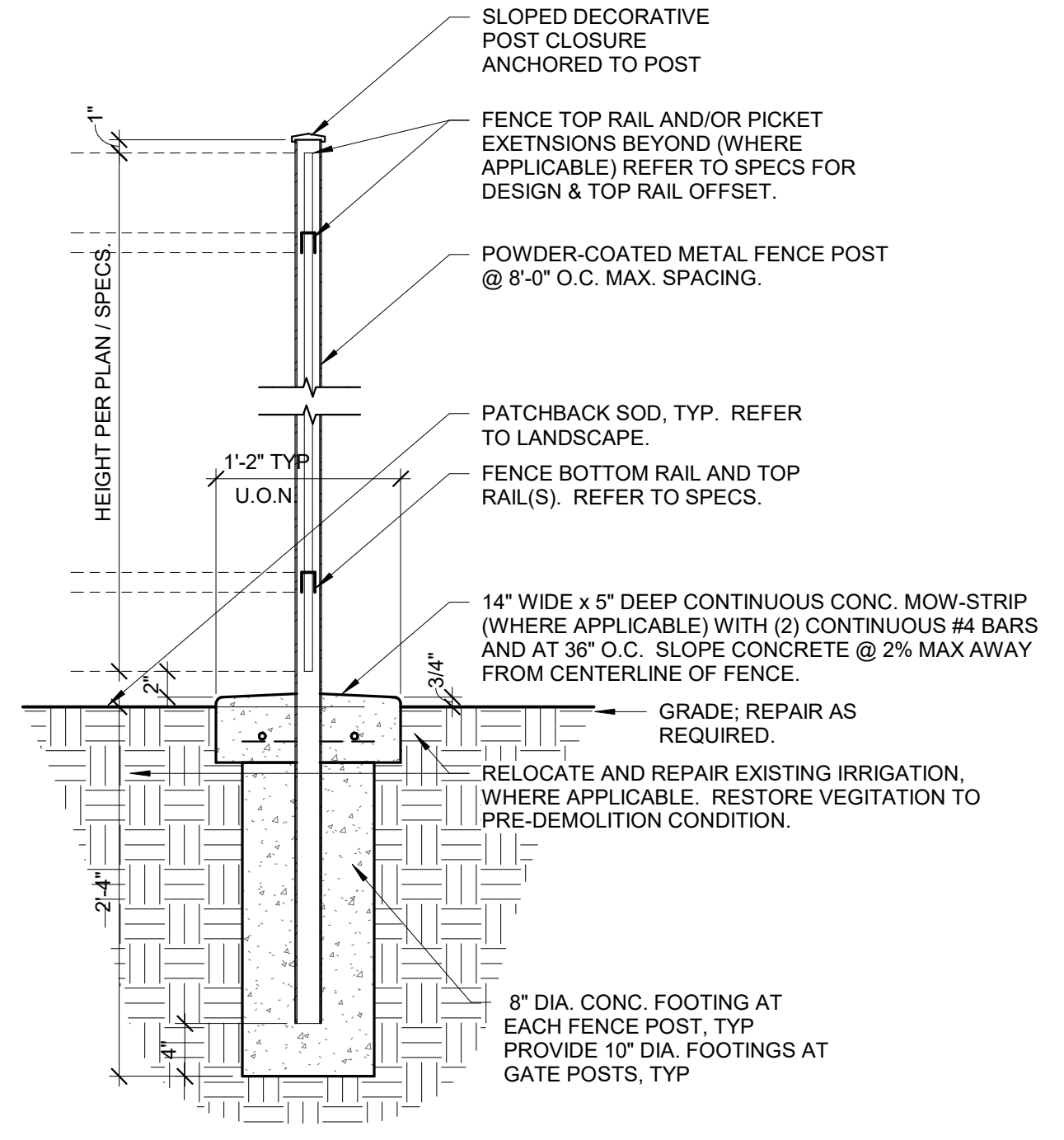
D5 TYP. CONC. PAVING
 1" = 1'-0"



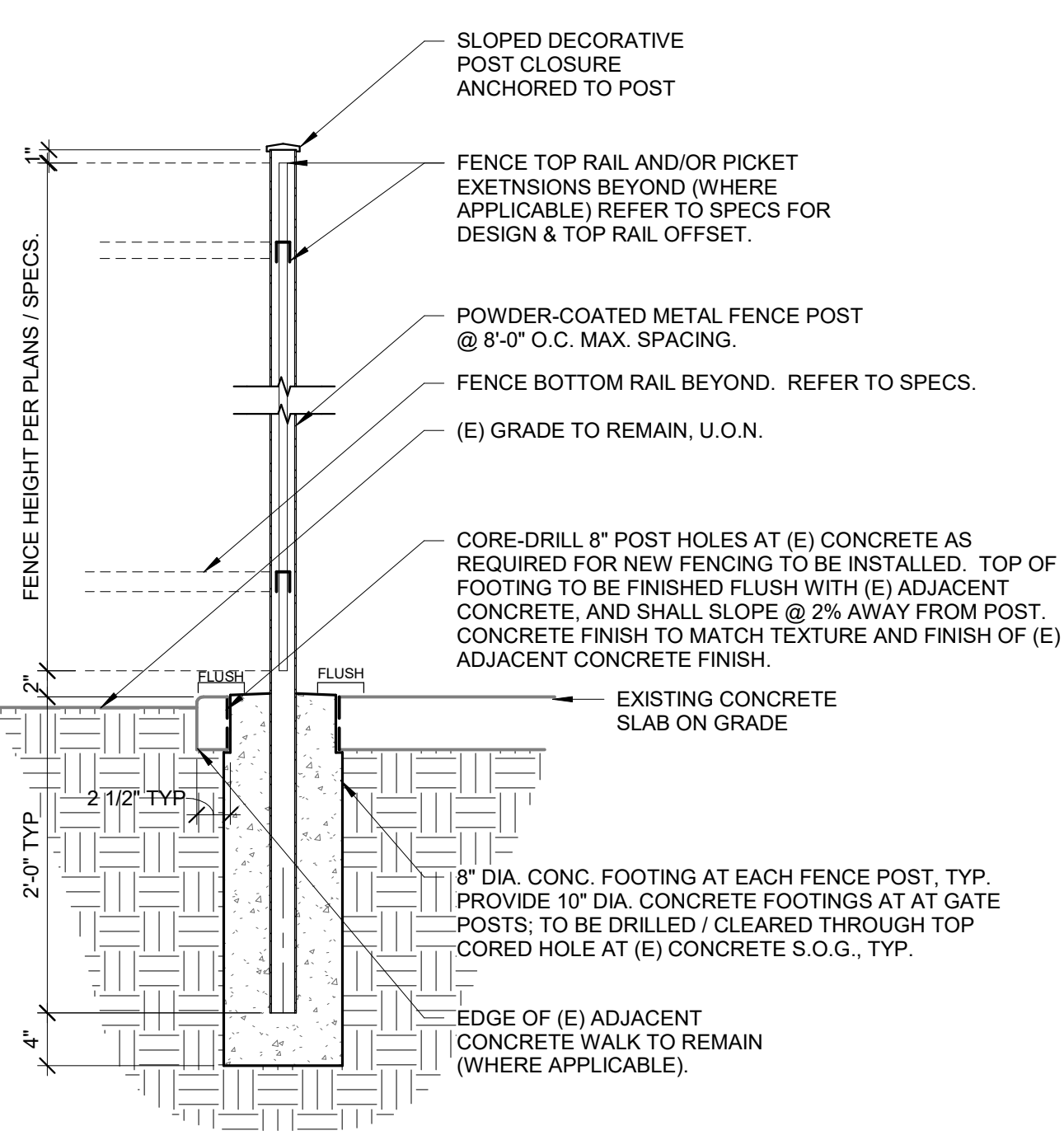
A5 FENCE POST ADJ. (E) PAVING EDGE
 1" = 1'-0"



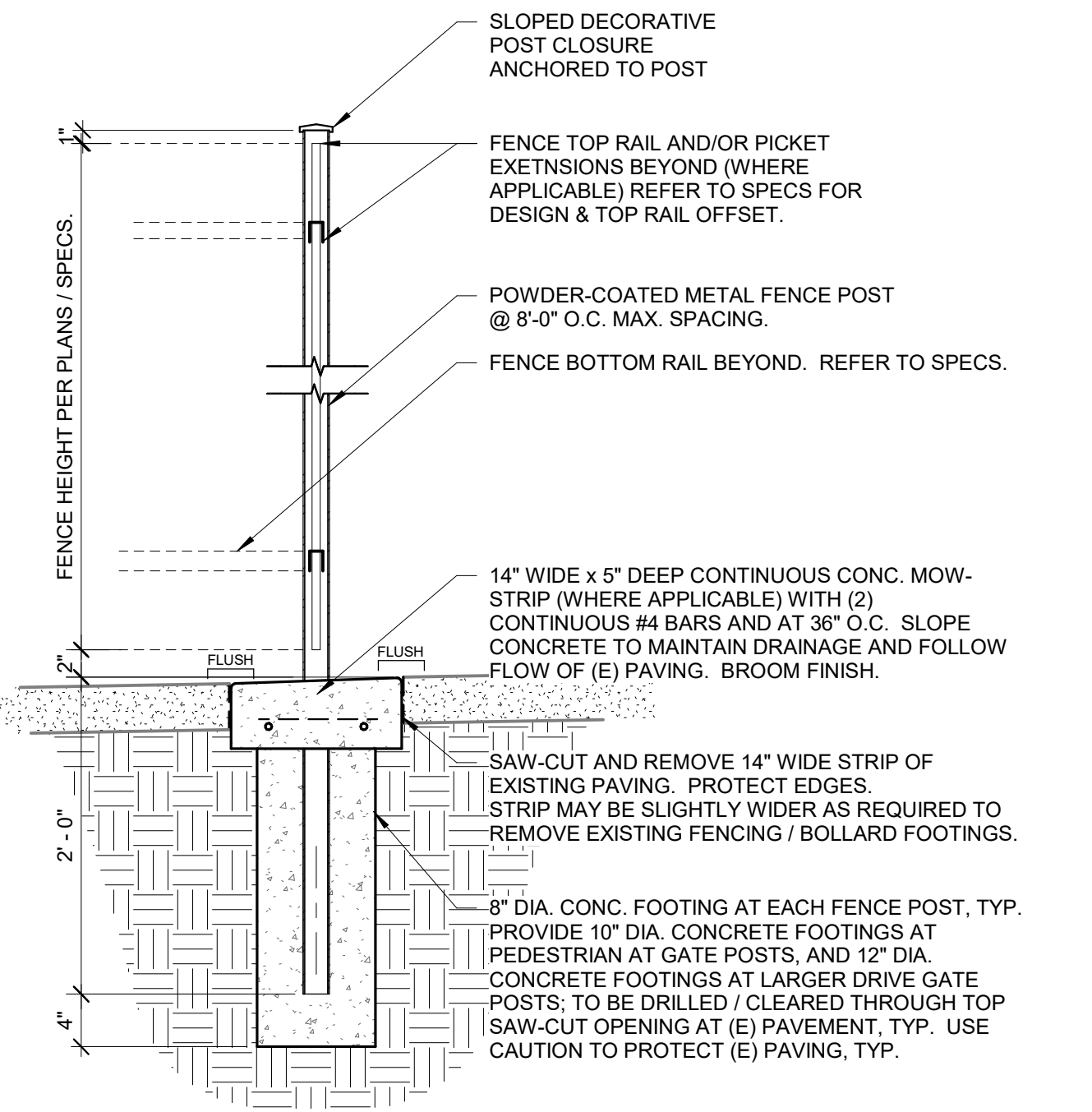
A4 FENCE POST @ NEW CONC.
 1" = 1'-0"



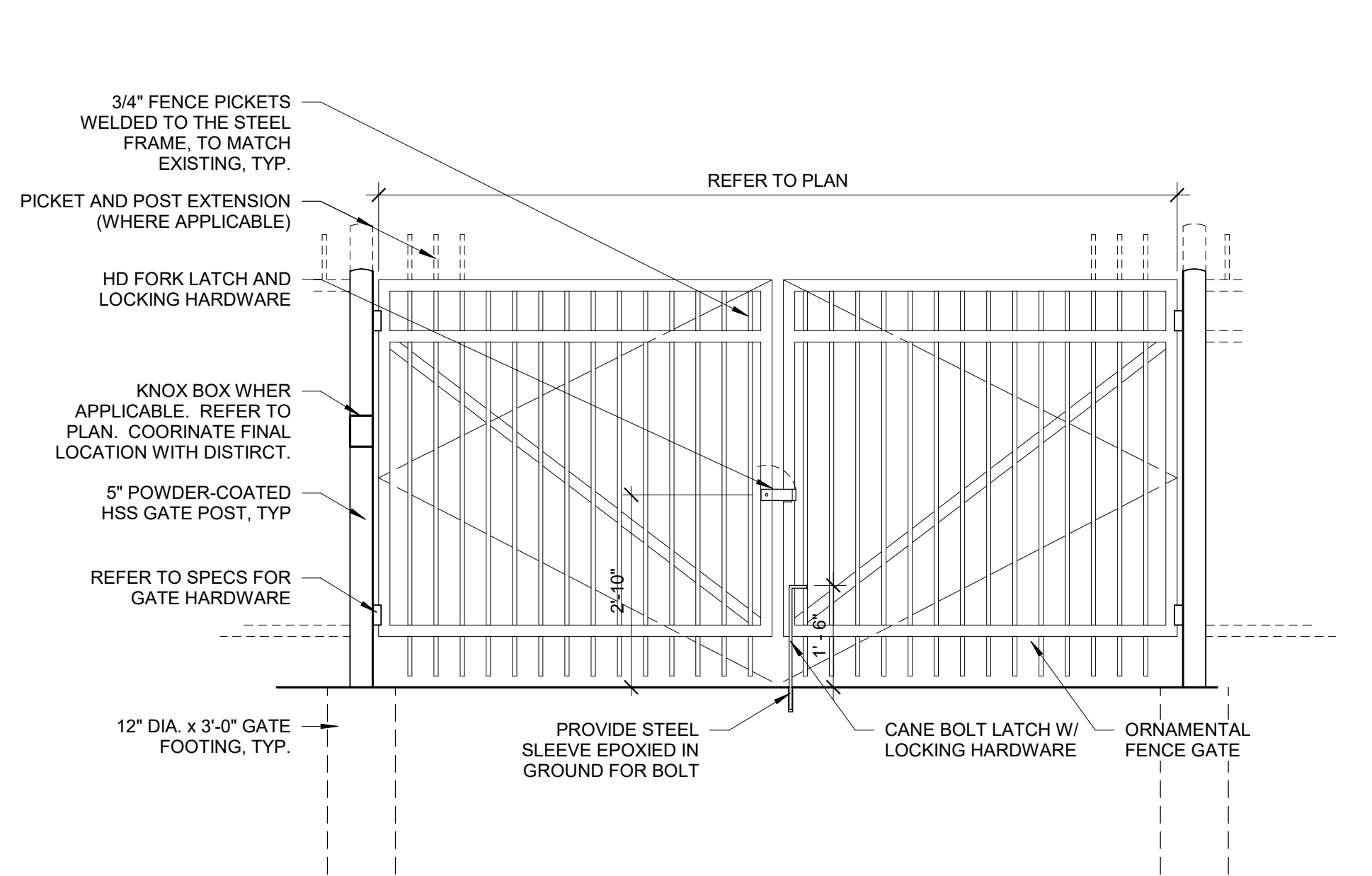
A3 FENCE POST @ LANDSCAPE
 1" = 1'-0"



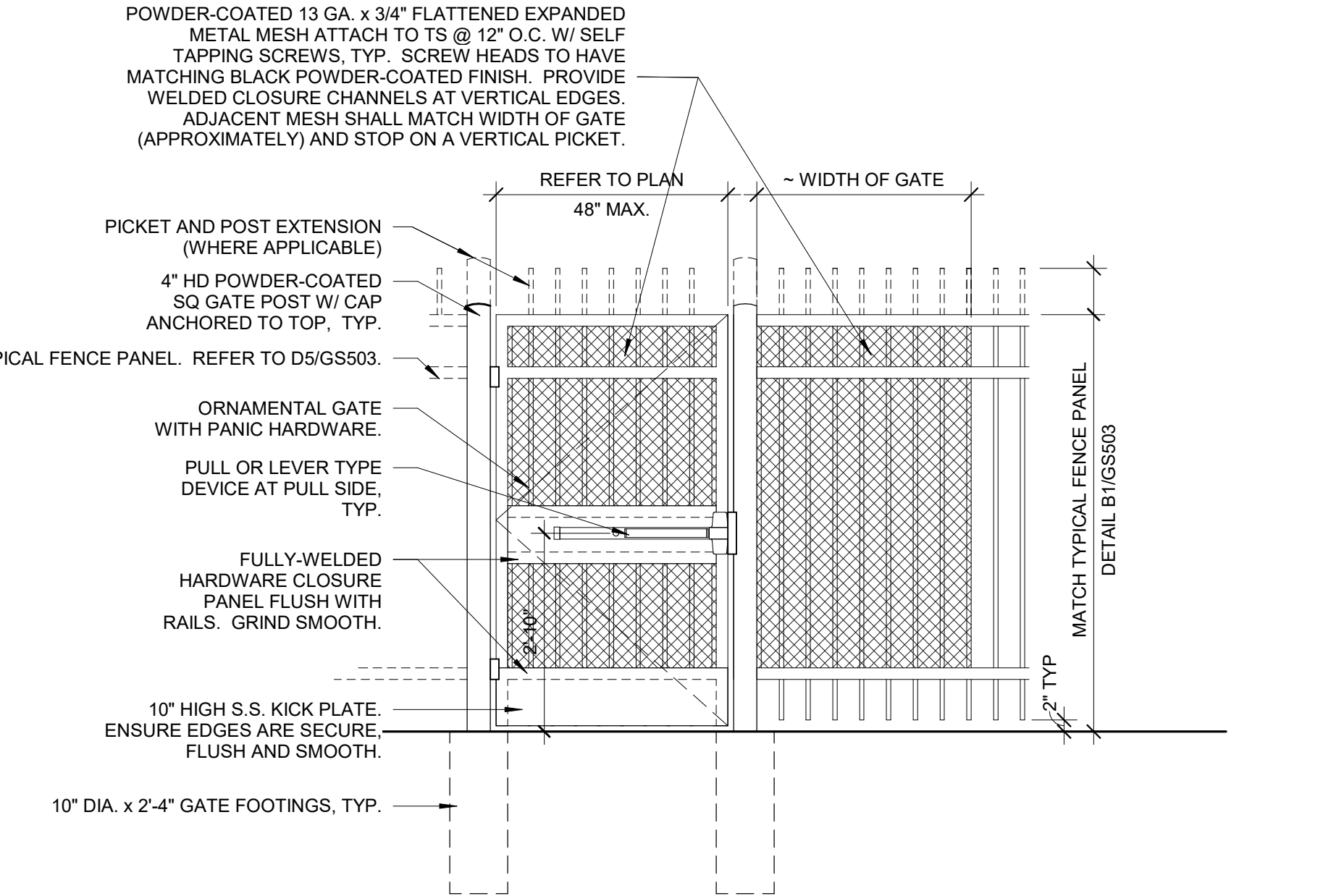
A1 FENCE POST @ (E) CONC. S.O.G.
 1" = 1'-0"



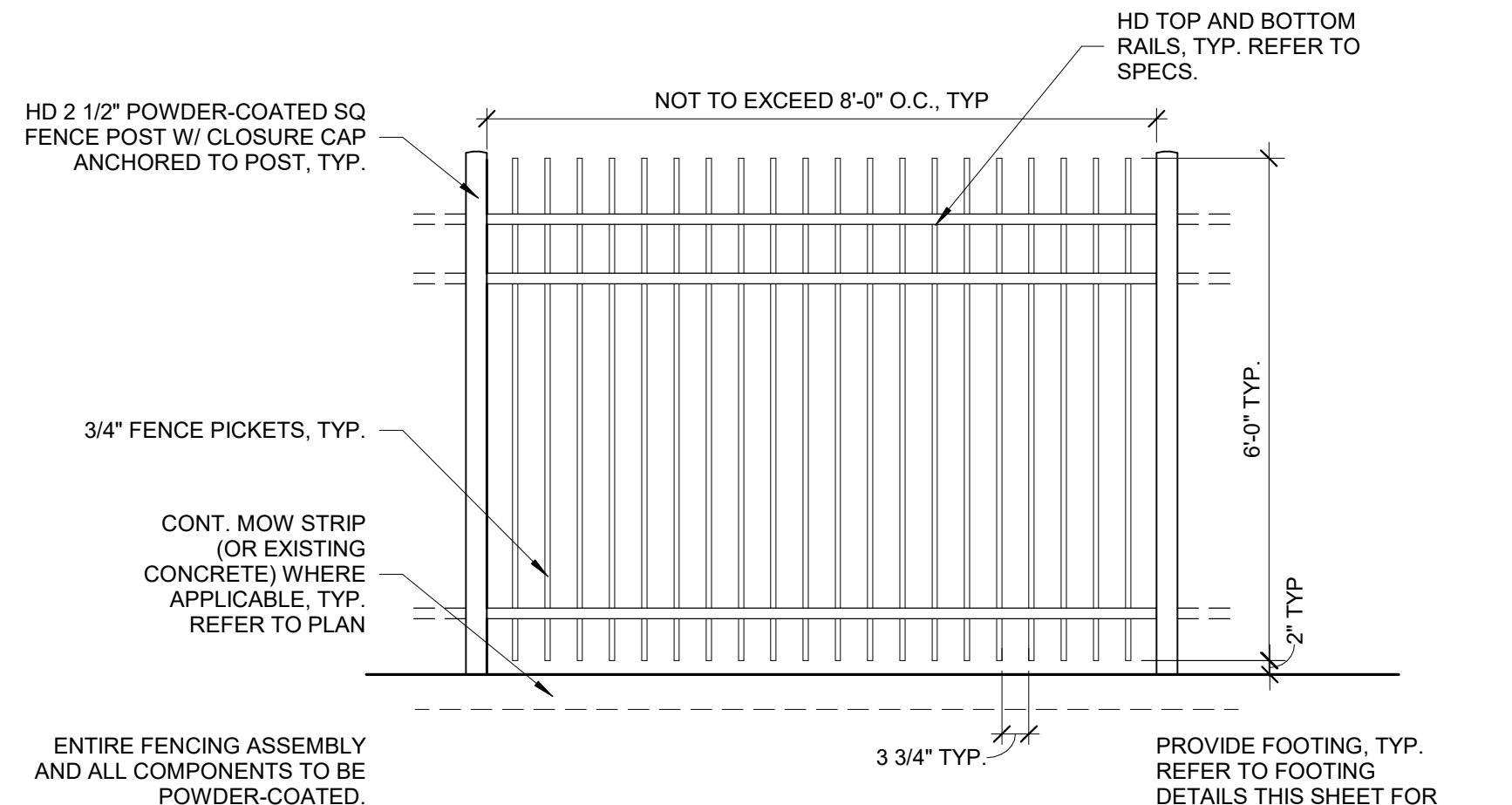
C5 FENCE CUT INTO (E) PAVING
 1" = 1'-0"



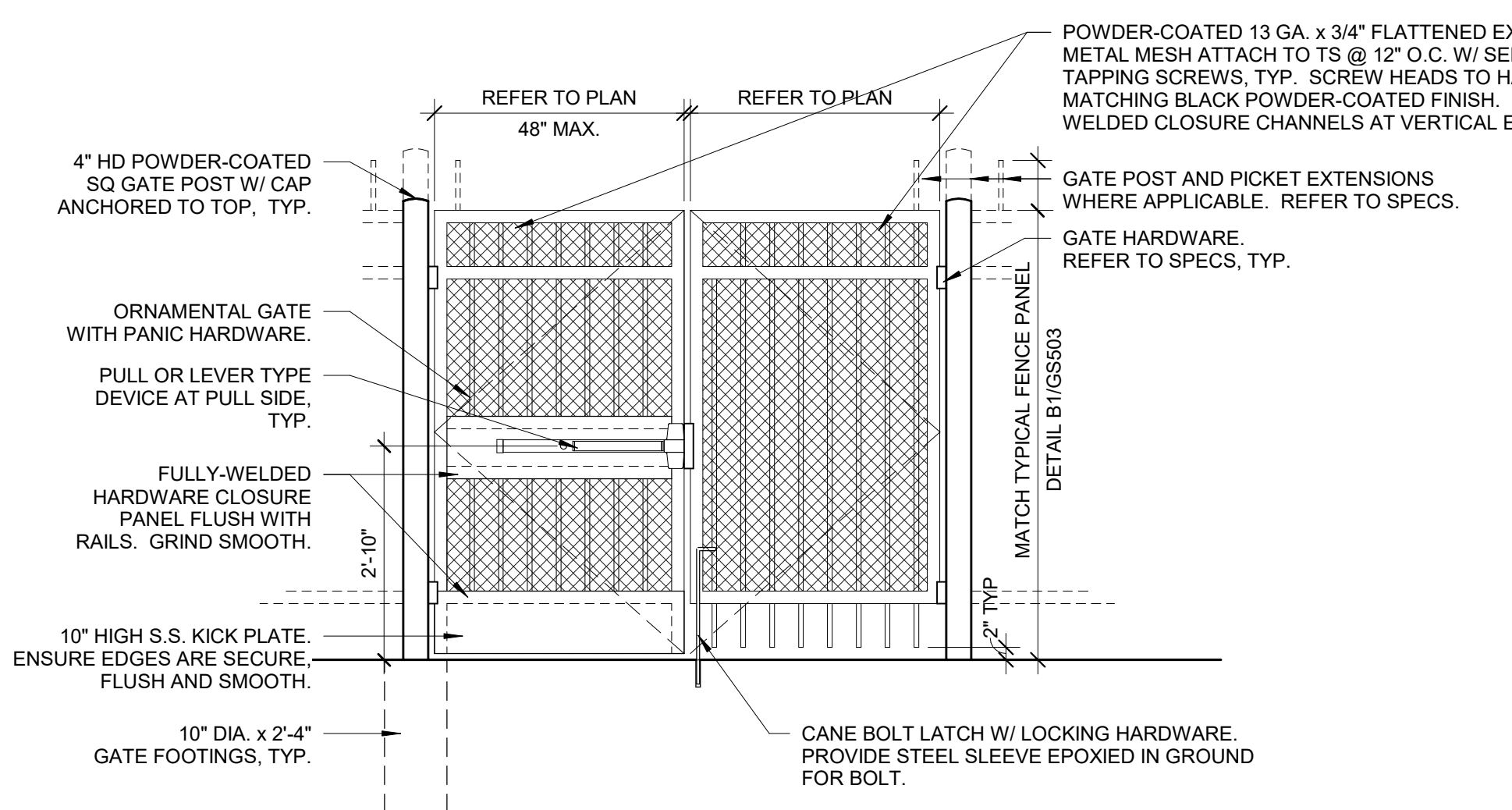
C3 ORNAMENTAL DRIVE GATE
 1/2" = 1'-0"



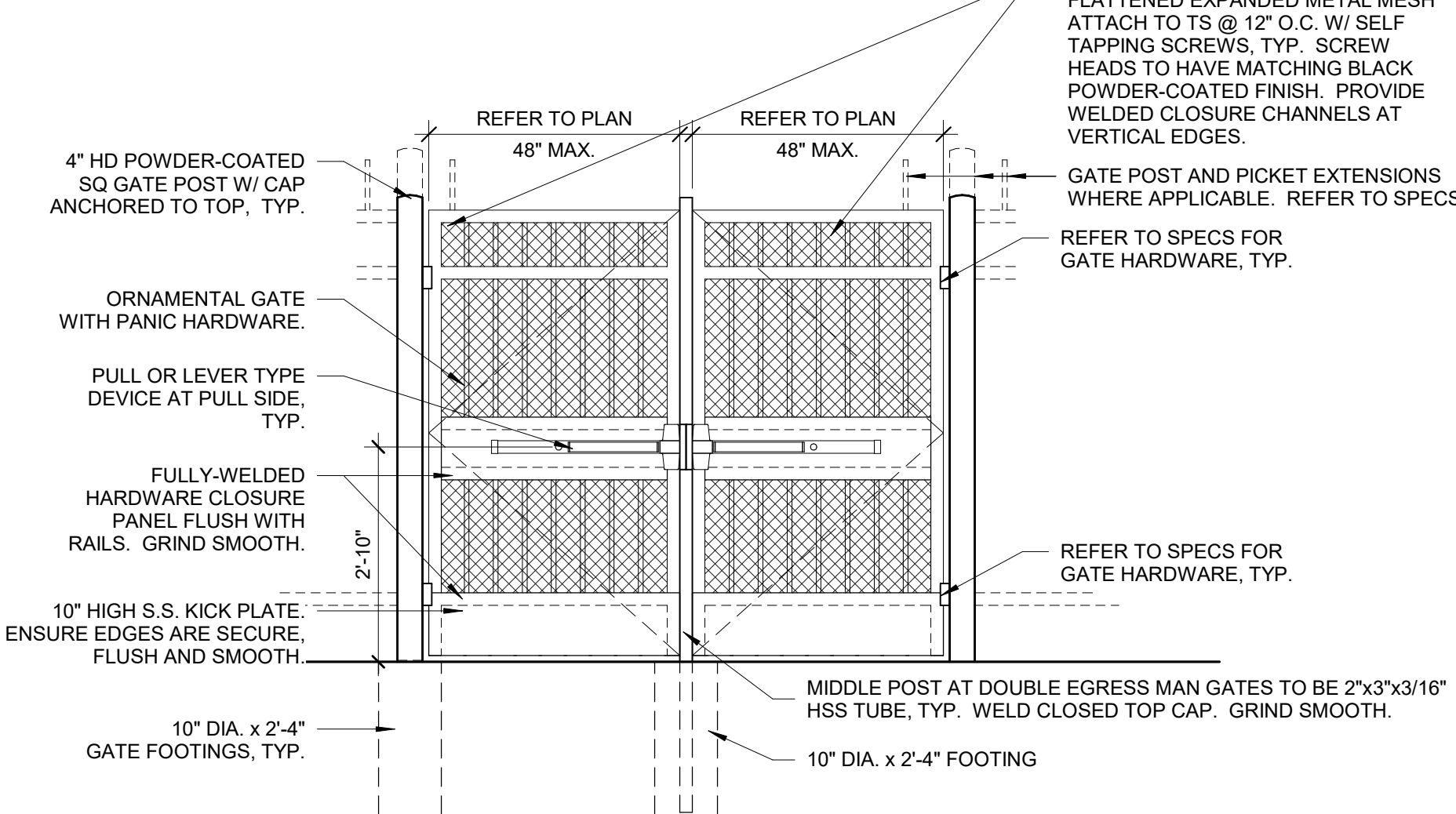
C1 EGRESS PEDESTRIAN SINGLE GATE
 1/2" = 1'-0"



D5 TYPICAL ORNAMENTAL FENCE PANEL
 1/2" = 1'-0"



D3 DOUBLE PEDESTRIAN GATE - SINGLE PANIC
 1/2" = 1'-0"



D1 DOUBLE PEDESTRIAN GATE - DOUBLE PANIC
 1/2" = 1'-0"



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ARCHITECT: CONSULTANT:



CONSULTANT:

PROJECT NAME:

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 SACRAMENTO, CA 95826

REPLACEMENT TOILET BUILDING AND SECURITY FENCING

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 5735 47TH AVENUE
 SACRAMENTO, CA 95824
 SACRAMENTO COUNTY

KEY PLAN:

SHEET TITLE:
SITE DETAILS

JOB NUMBER: SHEET NUMBER:
 DATE: APRIL 5, 2023
 REVISION:
AS502

GENERAL NOTES

- DIMENSIONS TO CENTERLINE OF STUD WALLS ARE TO THE CENTERLINE OF THE STUD. DIMENSIONS TO THE FACE OF STUD WALLS ARE TO FACE OF STUD - UNLESS NOTING CLEAR DIMENSION OR DIMENSION TO PLUMBING FIXTURE WHEN DIMENSION IS TO FACE OF FINISH. FACE OF STUD OCCURS ON THE GRID UNLESS SHOWN OTHERWISE. DIMENSIONS TO FRAMES ARE TO THE CENTERLINE OF FRAME OPENINGS IN STUD FRAMED WALLS. DIMENSIONS TO ROOF OVERHANGS WILL BE TO EXTERIOR FACE OF FASCIA AT THE END OF THE OVERHANG.
- FIELD VERIFY ALL DIMENSIONS TO EXISTING CONDITIONS - NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO ANY WORK IN THAT AREA.
- CHANGES IN FLOOR MATERIAL SHALL OCCUR AT THE CENTERLINE OF THE DOOR PANEL (BELOW THE DOOR IN CLOSED POSITION) U.N.O.
- FOR CONSTRUCTION OF WALLS AT RECESSED CABINETS (I.E.: F.E.C. ELECTRICAL PANELS, ETC.) SEE DETAIL D2/A-541.
- ALL DOORS TO PROVIDE 18" MIN. CLEAR ON PULL SIDE INTERIOR AND 24" MIN. CLEAR ON EXTERIOR. 12" CLEAR ON PUSH SIDE OF ACCESSIBLE DOORS WITH GLASS AND LATCHES. SEE ACCESSIBILITY DETAILS. REFER TO DOOR SCHEDULE FOR APPLICABLE HARDWARE.
- COORDINATE ALL OPENING SIZES AND HEAD HEIGHTS WITH SCHEDULES.
- CONCRETE GLASS SLOPE TO DRAIN WHERE INDICATED. TYP. SLOPE SHALL BE 2% MAXIMUM. TYP.
- BATT (SOUND) INSULATION SHALL BE INSTALLED TO FILL ALL NEW FRAMED WALL CAVITIES.
- REFER TO EQUIPMENT PLAN FOR KITCHEN TOILET ACCESSORIES.

LEGEND

- (E) WALLS, FIXTURES, AND COMPONENTS TO REMAIN.
- WALLS, FIXTURES, AND COMPONENTS TO BE DEMOLISHED.
- STUD FRAMED WALL. REFER TO STRUCTURAL.
- KEYED NOTE: REFER TO KEYED NOTES SCHEDULE. KEYED NOTE TAGS WITHOUT LEADER APPLIES TO THE ENTIRE ROOM OR SURFACE IN WHICH (ON WHICH) THE TAG IS LOCATED. KEYED NOTES MAY SKIP NUMBERS.
- WALL TYPE AS INDICATED. REFER TO SHEET A-541.
- F.E.C. FIRE EXTINGUISHER CABINET; SEMI-RECESSED IN STUD FRAMED WALLS. SURFACE-MOUNTED AT CONCRETE AND MASONRY WALLS. REFER TO DETAIL D2/A-541. EXTINGUISHER TYPE TO BE 2A-10B.C.
- FLOOR SINK. COORDINATE W/ PLUMBING. SLOPE FLOORS TO DRAIN AT 1% TO 2% (MAXIMUM), TYP.



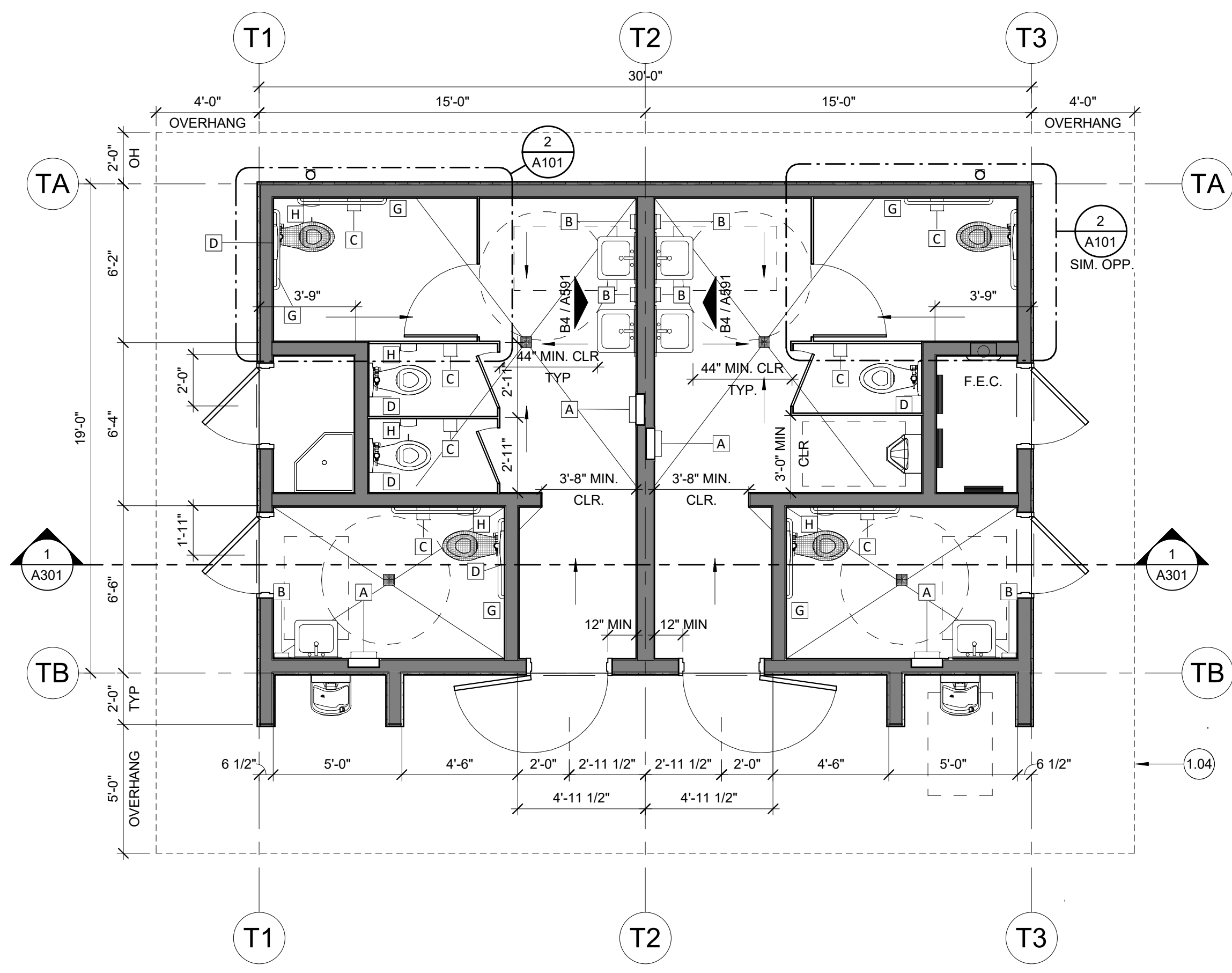
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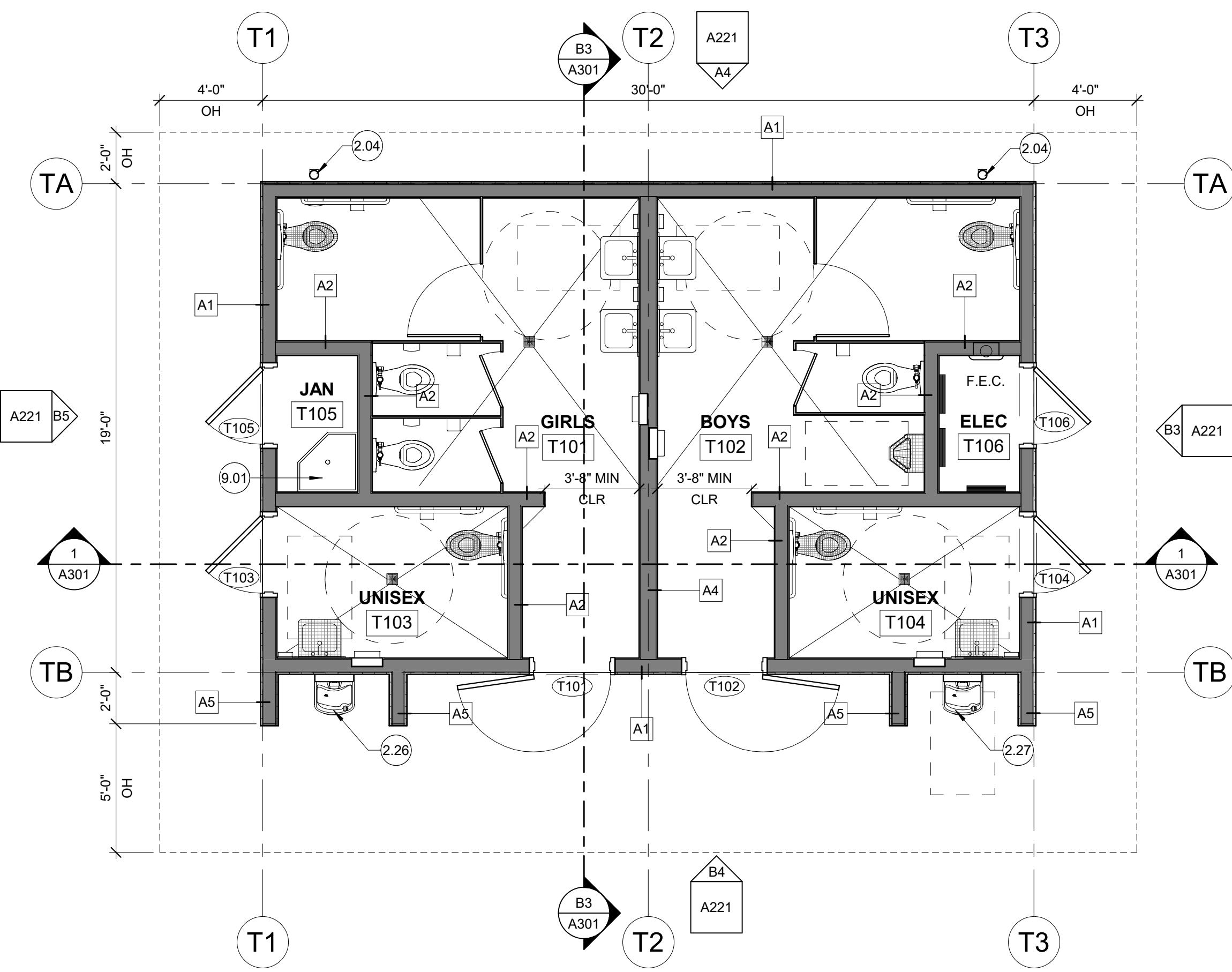
ARCHITECT: CONSULTANT:



CONSULTANT:



1 DIMENSION PLAN - TOILET BUILDING
1/4" = 1'-0"



B4 PLAN - TOILET BUILDING
1/4" = 1'-0"

TOILET ACCESSORY SCHEDULE

TAG	DESCRIPTION
A	ELECTRICAL HAND DRYER, COORD. W/ ELECTRICAL
B	SURFACE-MOUNTED SOAP DISPENSER
C	SURFACE MOUNTED TOILET PAPER DISPENSER
D	SURFACE MOUNTED TOILET SEAT COVER DISPENSER
G	ADA GRAB BARS. REFER TO ELEVATIONS FOR SIZES.
H	SURFACE-MOUNTED SANITARY NAPKIN DISPOSAL

DOOR SCHEDULE

WT	(2) TYPE	WIDTH	HEIGHT	DOOR		FRAME		(8) DETAILS				DOOR #					
				(3) THICKNESS	(4) MATERIAL	(5) GLAZING	(6) TYPE	(7) MATERIAL	HEAD	JAMB	SILL		(9) FIRE RATING	(10) HARDWARE	(11) SIGNAGE	(12) REMARKS	
LEVEL 1																	
T101	A	3'-0"	7'-0"	2"	HMIP	-	1	HMP				6	4, 5				T101
T102	A	3'-0"	7'-0"	2"	HMIP	-	1	HMP				6	4, 5				T102
T103	A	3'-0"	7'-0"	2"	HMIP	-	1	HMP				7	4, 5				T103
T104	A	3'-0"	7'-0"	2"	HMIP	-	1	HMP				7	4, 5				T104
T105	A	3'-0"	7'-0"	2"	HMIP	-	1	HMP				8	1				T105
T106	A	3'-0"	7'-0"	2"	HMIP	-	1	HMP				8	1				T106

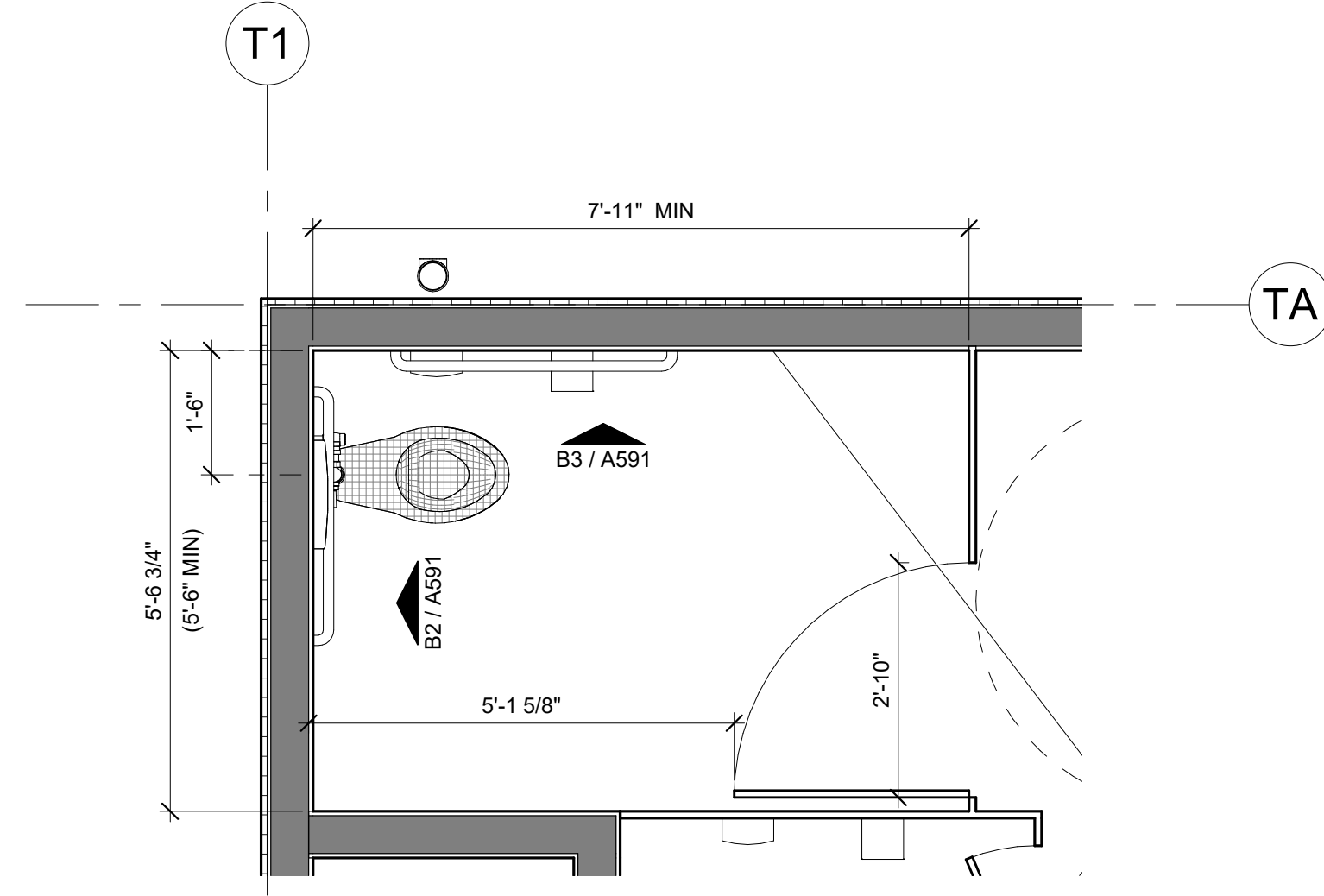
- DOOR SCHEDULE GENERAL NOTES:**
- REFER TO DOOR SCHEDULE INFO LEGEND FOR MORE DETAILED INFORMATION ON EACH NUMBERED COLUMN HEADING SHOWN IN BOLD.
 - PROVIDE CONTINUOUS SEALANT AT ALL JOINTS OF ALL DISSIMILAR MATERIAL CONNECTIONS.
 - GYP BD SHALL BE SEATED MIN 1/2" INTO METAL FRAMES. TYP.
 - WALL FINISHES SHALL BE SET WITHIN THE THROAT OF THE DOOR FRAMES, TYP.
 - FOR ANCHORING OF HM FRAMES, SEE DETAILS C2, C3 AND C4/A571.
 - THE CONTRACTOR IS TO FILED VERIFY ALL FRAME DIMENSIONS PRIOR TO ORDERING.

DOOR SCHEDULE INFO

- IF A '-' IS IN THE SCHEDULE BOX, THAT ITEM IS NOT APPLICABLE TO THE SPECIFIED DOOR.
- (2) DOOR TYPES:**
-
- DOOR TYPE NOTES:
- DOUBLE LETTER INDICATES DOUBLE DOOR (2) DOOR PANELS.
- PROVIDE DOOR LOUVERS WHERE INDICATED BY MECHANICAL.
- PAINT TRIM AROUND GLASS OPENINGS TO MATCH HM DOOR PAINT.
- (3) THICKNESS:**
THICKNESS INDICATES ITS NOMINAL SIZE
- (4) CONSTRUCTION/ FINISH:**
SCL = SOLID CORE, PLASTIC LAMINATE FINISH
AL = ALUMINUM WITH GLASS
HM = HOLLOW METAL, PAINTED
HMIP = HOLLOW METAL, INSULATED, PAINTED
SS = STAINLESS STEEL
* = SPECIAL (REFER TO SPECIFICATIONS)
- (5) GLASS:**
SG = SAFETY GLASS (TEMPERED OR LAMINATED)
SGI = SAFETY GLASS, INSULATED (TEMPERED OR LAMINATED)
SGR = SAFETY GLASS - RATED
- (6) FRAME TYPES:**
-
- (7) FRAME MATERIAL:**
HMP = HOLLOW METAL - PAINTED
- (8) DETAIL NUMBER:**
INDICATES DETAIL(S) SHOWN ON SHEET (1 = A571, 2 = A572)
- (9) RATING:**
20, 45, 60, ETC INDICATES RATED DOOR ASSEMBLY FIRE-RATING IN MINUTES
- (10) HARDWARE:**
HARDWARE GROUP #. REFER TO SPECIFICATIONS FOR HARDWARE GROUPS.
- (11) SIGNAGE:**
1 = ROOM IDENTIFICATION SIGNAGE. REFER TO DTL C1/A591.
2 = ROOM IDENTIFICATION SIGNAGE (BOTH SIDES). REFER TO DTL C1/A591.
3 = TACTILE EXIT SIGNAGE. REFER TO DTL D2/A591.
4 = ACCESSIBLE RESTROOM SIGNAGE. REFER TO DETAIL B1/A591.
5 = GEOMETRIC SYMBOL SIGNAGE. REFER TO DETAIL D1/A591.

1.00 - KEYED NOTES SCHEDULE

- 1.04 ROOF OVERHANG ABOVE. TYP. REFER TO DIMENSION PLANS.
- 2.04 HEAVY GAUGE VANDAL RESISTANT METAL DOWNSPOUT ASSEMBLY. PAINT. REFER TO D4/A-541. PROVIDE A 45 DEGREE RETURN 4" LONG. TYP.
- 2.26 HIGH DRINKING FOUNTAIN + BOTTLE FILLER. COORD WITH ELECTRICAL AND PLUMBING. REFER TO D4/A592 FOR ADDITIONAL INFORMATION.
- 2.27 LOW DRINKING FOUNTAIN + BOTTLE FILLER. COORD WITH ELECTRICAL AND PLUMBING. REFER TO D4/A592 FOR ADDITIONAL INFORMATION.
- 9.01 28" x 28" TERRAZZO CORNER MOP SINK W/SS EDGE GUARD. INTALL FRP AT TWO ADJACENT WALLS TO 48" AFF.



2 ACCESSIBLE TOILET STALL
1/2" = 1'-0"

ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR FINISH	BASE FINISH	WALLS				CEILING FINISH	REMARKS	ROOM #
				NORTH	EAST	SOUTH	WEST			
LEVEL 1										
T101	GIRLS	F2	B2	W2	W2	W2	W2	C2		T101
T102	BOYS	F2	B2	W2	W2	W2	W2	C2		T102
T103	UNISEX	F2	B2	W2	W2	W2	W2	C2		T103
T104	UNISEX	F2	B2	W2	W2	W2	W2	C2		T104
T105	JAN	F2	B3	W5	W3	W3	W5	C2		T105
T106	ELEC	F1	B1	W4	W1	W4	W4	C1		T106

FINISH SCHEDULE LEGEND

FLOOR/BASE	BASE	WALLS / WAINSCOT	CEILING
F1 SEALED CONCRETE FLOOR - SMOOTH TROWEL FINISH	B1 4" RUBBER BASE	W1 PAINTED GYP. BD.	C1 PAINTED GYP. BD.
F2 TROWELED EPOXY	B2 6" INTEGRAL COVERED EPOXY BASE	W2 FRP PANEL, FULL HEIGHT	C2 EPOXY-PAINTED GYP. BD.
F3	B3	W3 FRP PANEL TO 9'-0" A.F.F.; EPOXY-PAINTED GYP. BD. ABOVE	C3
	B4	W4 3/4" PLYWOOD OVER PAINTED GYP BD. REFER TO ELECTRICAL	
		W5 EPOXY-PAINTED GYP BD.	

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REPLACEMENT TOILET BUILDING AND SECURITY FENCING

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

SACRAMENTO COUNTY

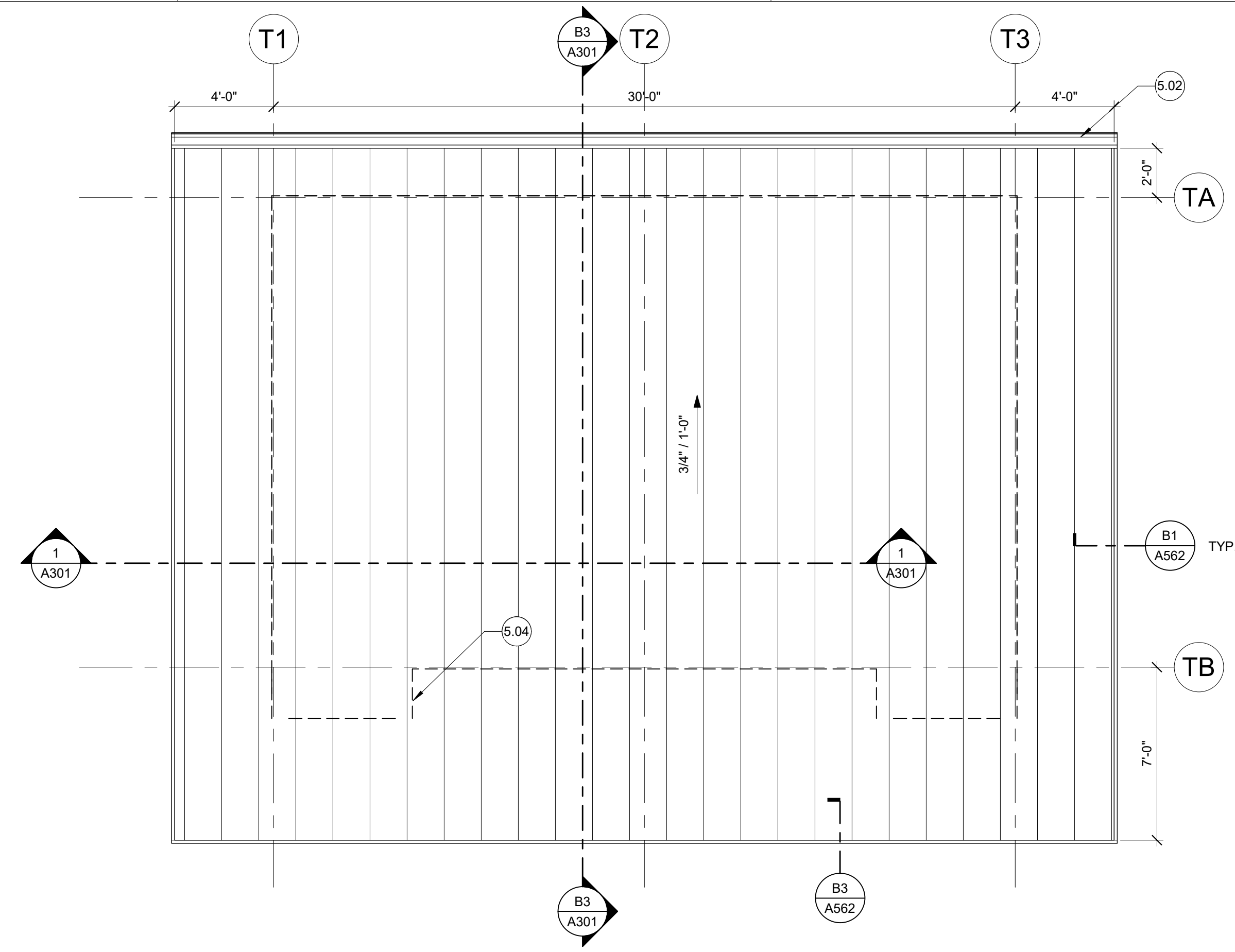
KEY PLAN:

SHEET TITLE:
FLOOR PLAN - TOILET BUILDING

JOB NUMBER: SHEET NUMBER:
A101

DATE:
MAR 28, 2023

REVISION:



1 ROOF PLAN - TOILET BUILDING
1/4" = 1'-0"

GENERAL NOTES

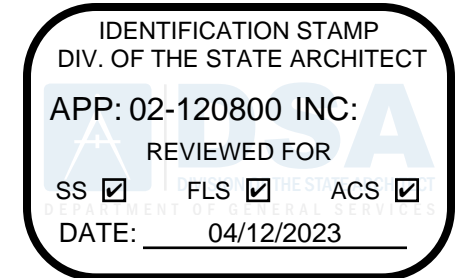
1. ROOF PLAN INDICATES MAJOR ROOF PENETRATIONS, AND DOES NOT REPRESENT ALL PENETRATIONS REQUIRED BY EVERY DISCIPLINE / UTILITY. COORDINATE ALL PENETRATIONS WITH EACH DISCIPLINE.
2. CRICKET RIDGES AT ADDITION OVERBUILD / CONNECTION ARE SLOPED TO MINIMIZE EXTENT OF OVERBUILD, AND MAXIMIZE SLOPE OF CRICKET. TYPICAL CRICKETS AROUND HVAC CURBS OR FOR DRAINAGE AT ROOF DRAINS TO BE AS REQUIRED TO MAINTAIN 1/4" PER FOOT SLOPE MIN. EQUIPMENT LESS THAN 24" WIDE MAY HAVE A 4" TAPERED CANT STRIP ONLY AND NO CRICKET. CRICKETS ARE FORMED BY PLYWOOD OVER WOOD FRAMING U.O.N.
3. MAINTAIN POSITIVE SEPERATION BETWEEN ALL DISSIMILAR METALS. PROVIDE SEALANT AT ALL DISSIMILAR METEERIAL CONNECTIONS.
4. MINIMUM ROOF CLASS TO BE TYPE "A" OR ABOVE, SEE SPECIFICATIONS.
5. ROOF SLOPES AS INDICATED BY ROOF SLOPE INDICATORS IN ROOF PLAN.
6. ALL MECHANICAL, ELECTRICAL, AND PLUMBING PENETRATIONS THROUGH ROOFING SHALL HAVE PIPE BOOTS INTEGRAL TO (AND SEALED AROUND) ROOFING ASSEMBLY. SEE SHEET A-561 FOR DETAILS. COORDINATE WITH MECHANICAL AND ELECTRICAL.

LEGEND

- CLASS A PRE-FINISHED STANDING SEAM METAL ROOFING ASSEMBLY OVER 1" RIGID INSULATION.
- 1/2" / 1'-0" DOWN SLOPE OF ROOF OR CRICKET; SLOPE AS INDICATED.
- KEYED NOTE - REFER TO KEYED NOTES SCHEDULE. KEYED NOTE TAGS W/O LEADER APPLIES TO THE ENTIRE ROOM (OR SURFACE IN WHICH (ON WHICH) THE TAG IS LOCATED). KEYED NOTES MAY SKIP NUMBERS.

1.00 - KEYED NOTES SCHEDULE

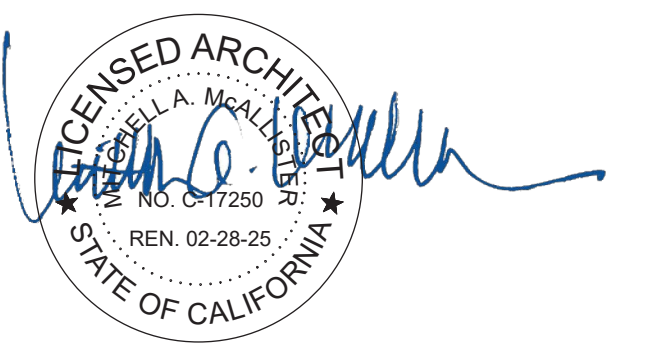
- 5.02 PREFINISHED METAL GUTTER SYSTEM, REFER TO DETAILS ON A-562.
- 5.04 EXTENT OF BUILDING WALL / COMPONENT BELOW. REFER TO SECTIONS.



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CONSULTANT: _____

PROJECT NAME: _____

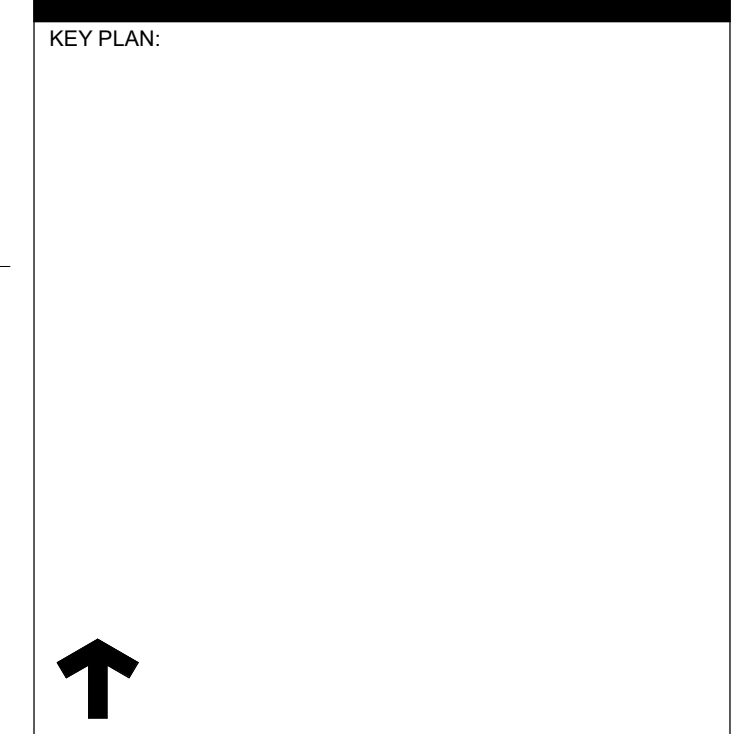
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3333 ROSEMONT DR
SACRAMENTO, CA 95826

REPLACEMENT TOILET BUILDING AND SECURITY FENCING

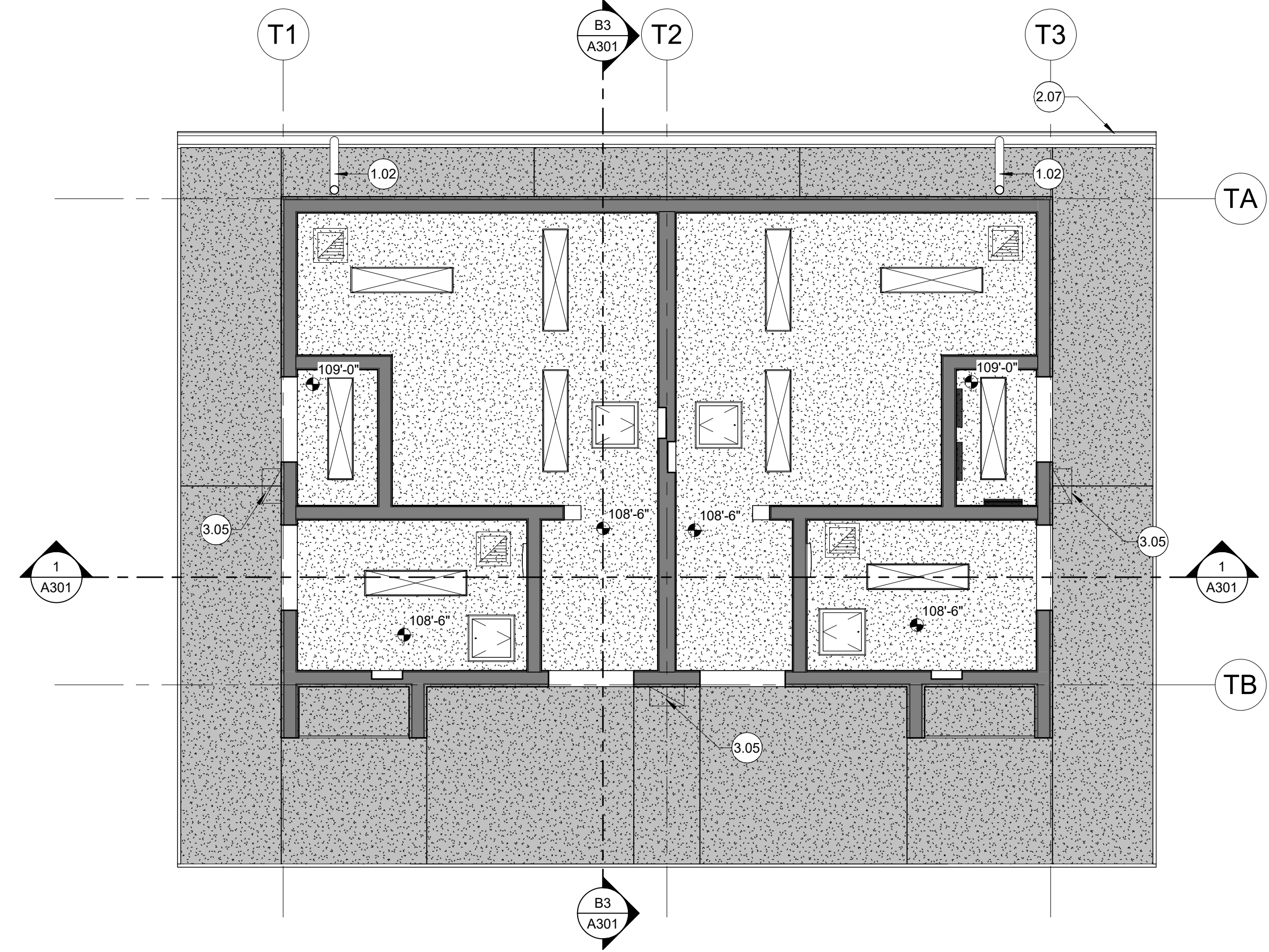
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

SACRAMENTO COUNTY



KEY PLAN:
ROOF PLANS

JOB NUMBER: _____ SHEET NUMBER: **A161**
DATE: MAR 28, 2023
REVISION: _____



1 REFLECTED CEILING PLAN
1/4" = 1'-0"

GENERAL NOTES

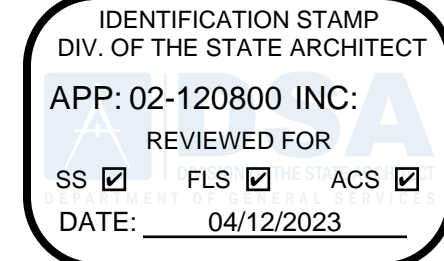
1. REFER TO ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
2. CEILING SPOT ELEVATIONS ARE ROUNDED OFF FOR CLARITY IN SOME DRAWINGS. RATIONAL CEILING ELEVATION IS TO BOTTOM OF FRAMING.
3. NOT ALL CEILING ACCESS DOORS ARE SHOWN ON PLANS. REFER TO MECHANICAL PLUMBING & ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL CEILING ACCESS DOOR LOCATIONS.
4. CEILING GRID LAYOUT TO BE CENTERED IN EACH ROOM, U.O.N.
5. ALL CEILING-MOUNTED FIXTURES (LIGHTING, SENSORS, SPEAKERS, FIRE SPRINKLERS, ETC.) SHALL BE CENTERED IN ROOM, CENTERED OVER DOOR, OR CENTERED IN ACOUSTICAL PANEL (HALF OF 2x4 PANEL) - WHICHEVER IS MOST APPLICABLE.
6. CEILING ELEVATION HEIGHT DIMENSIONS RELATIVE TO FINISH FLOOR DIRECTLY BELOW ELEVATION MARKER.

LEGEND

- FULL-HEIGHT FRAMED WALL - EXTENDED TO STRUCTURE / DECK ABOVE.
- FRAMED WALL - BRACED ABOVE CEILING (OR INFILL (E) OPENING), REFER TO STRUCTURAL.
- (1.01) KEYED NOTE - REFER TO KEYED NOTES SCHEDULE. KEYED NOTE TAGS WITHOUT LEADER APPLIES TO THE ENTIRE ROOM OR SURFACE IN WHICH (ON WHICH) THE TAG IS LOCATED. KEYED NOTES MAY SKIP NUMBERS.
- ☐ 1'x4' SURFACE-MOUNTED LIGHT FIXTURE, COORD. W/ ELEC.
- RECESSED LIGHT FIXTURE, COORD. W/ ELECTRICAL.
- ☐ WALL MOUNTED EXTERIOR LIGHT, REFER TO ELEVATIONS AND REFER TO ELECTRICAL.
- ☐ EXHAUST AIR GRILLE, COORD W/ MECH.
- ☐ 18" x 18" LOCKING ACCESS PANEL. COORDINATE LOCATIONS REQUIRED WITH M.E.P. AND FIRE. REFER TO DETAIL B5/A-581.
- ☐ GYP. BD. CEILING @ 2x6 WD CEILING JOISTS @ 24" O.C. UNLESS NOTED OTHERWISE. COORD. BRACING W/ STRUCT.
- ☐ PLASTER CEILING ASSEMBLY @ 2x6 WD CEILING JOISTS @ 24" O.C. UNLESS OTHERWISE NOTED. REFER TO STRUCTURAL COORD. BRACING W/ STRUCT. REFER TO DETAIL C4/A-541.

1.00 - KEYED NOTES SCHEDULE

- 1.02 HEAVY GAUGE VANDAL RESISTANT METAL DOWNSPOUT ASSEMBLY. PAINT. SEE ELEVATIONS. REFER TO D4/A-541.
- 2.07 PRE-FINISHED METAL GUTTER ASSEMBLY, TYP.
- 3.05 SCHEDULED LIGHT FIXTURE, TYP. COORD. W/ ELECTRICAL.



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CONSULTANT: _____

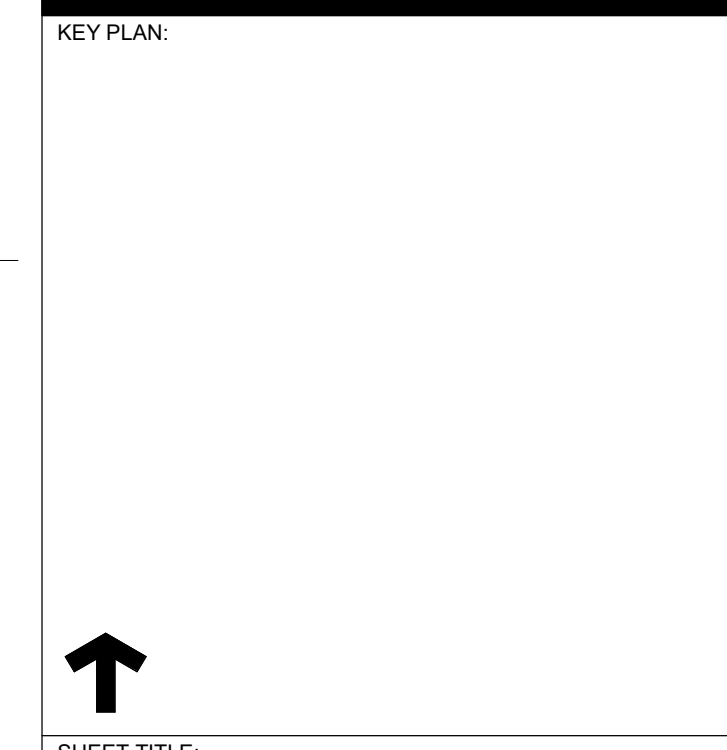
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REPLACEMENT TOILET BUILDING AND SECURITY FENCING

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

SACRAMENTO COUNTY

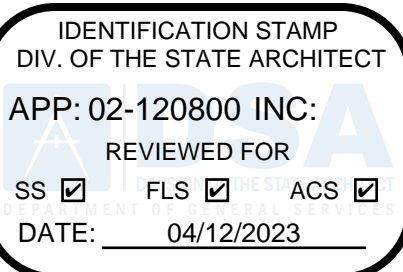


KEY PLAN:

↑

SHEET TITLE:
REFLECTED CEILING PLANS

JOB NUMBER:	SHEET NUMBER:
DATE: MAR 28, 2023	A181
REVISION:	



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ARCHITECT: _____ CONSULTANT: _____



CONSULTANT: _____

PROJECT NAME:

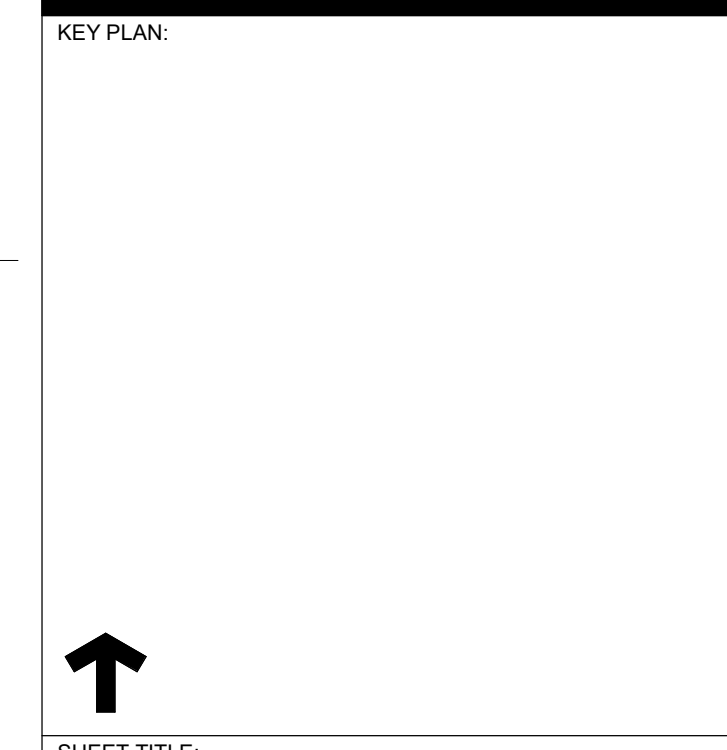
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SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

SACRAMENTO COUNTY



KEY PLAN:

↑

SHEET TITLE:
EXTERIOR ELEVATIONS

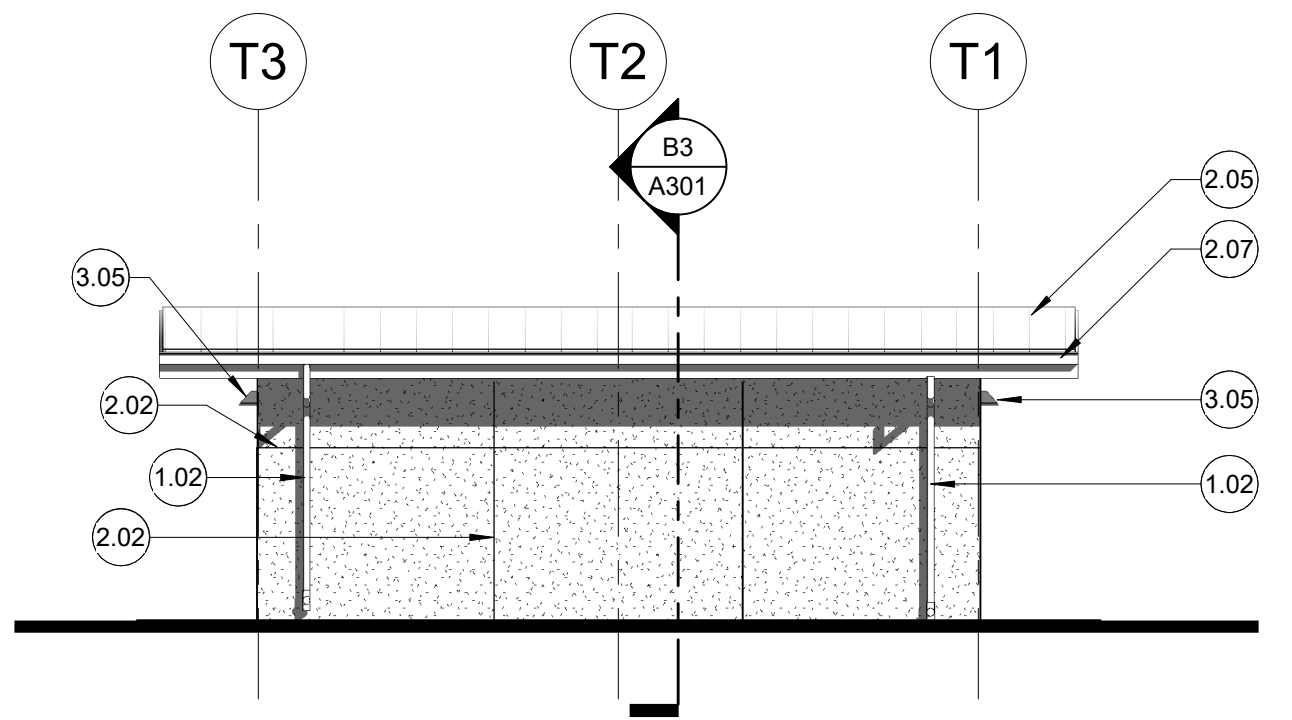
JOB NUMBER:	SHEET NUMBER:
DATE: MAR 28, 2023	A221
REVISION:	

GENERAL NOTES

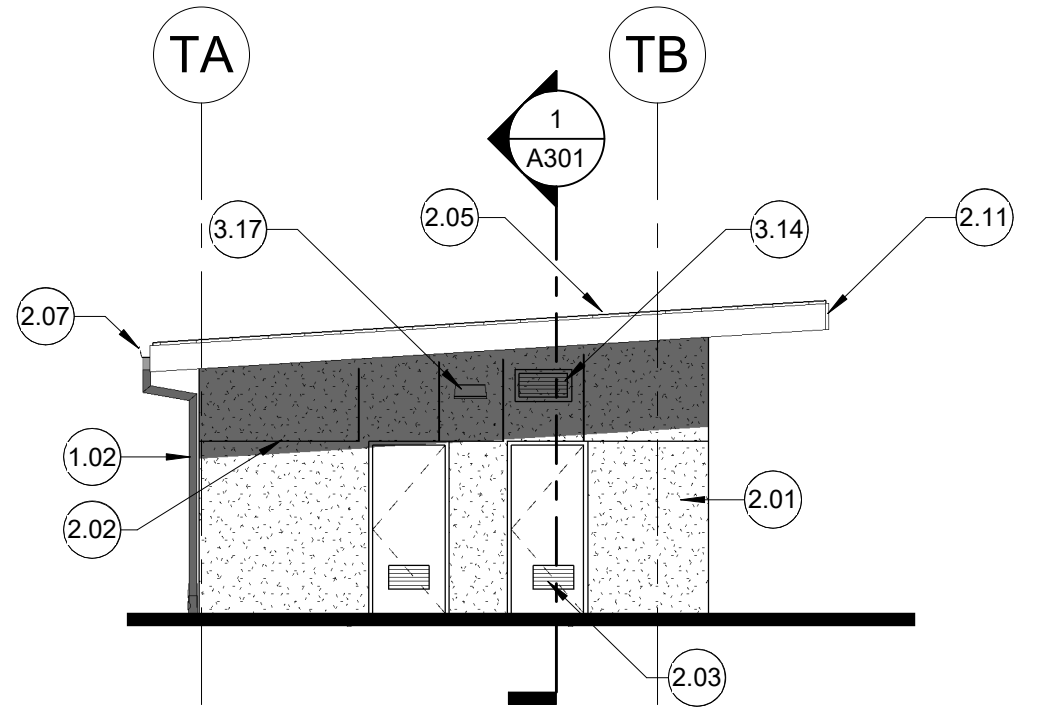
- REFER TO PLANS FOR SCHEDULED DOORS, WINDOWS, FIXTURES AND ACCESSORIES.
- EXTERIOR VENEER TYPE, TEXTURE, COLORS AND PATTERNS TO MATCH EXISTING.
- ROOFING COLOR AND PROFILE TO MATCH EXISTING.

1.00 KEYED NOTES SCHEDULE

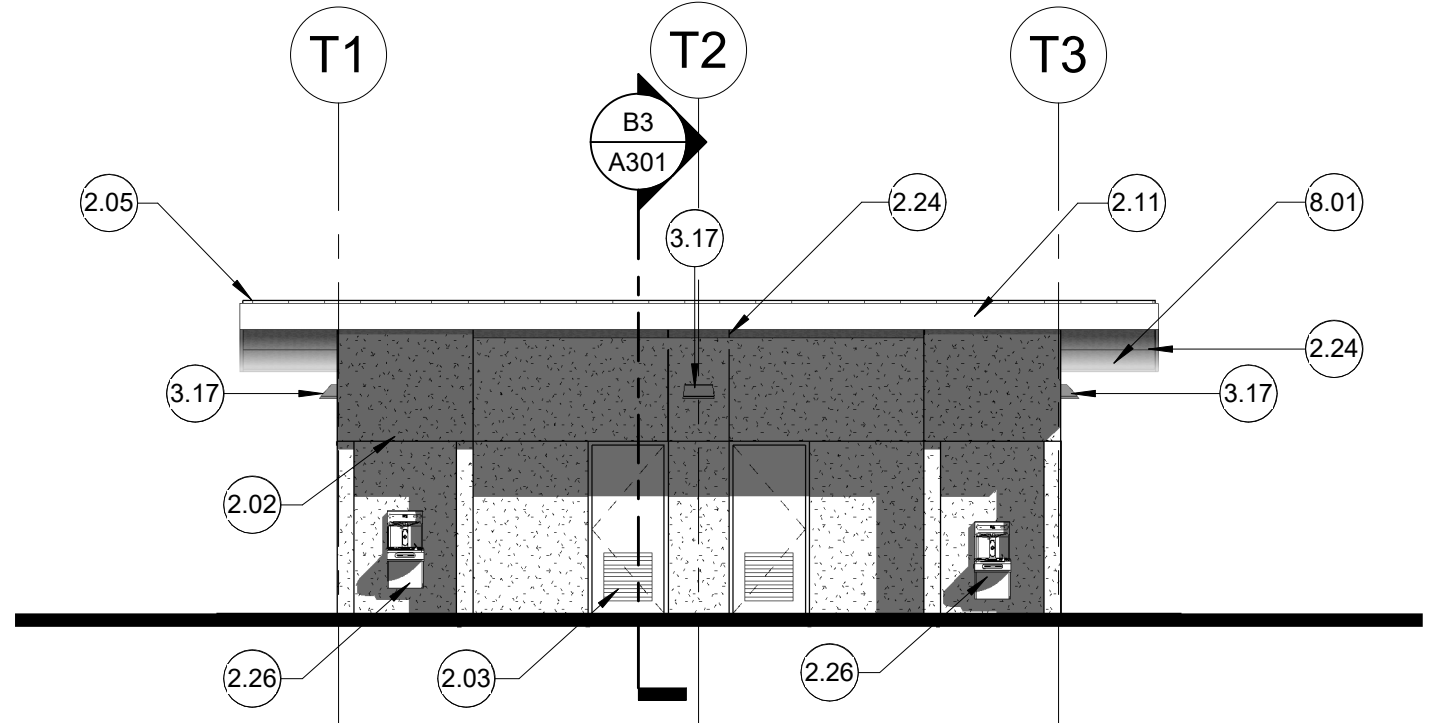
- HEAVY GAUGE VANDAL RESISTANT METAL DOWNSPOUT ASSEMBLY. PAINT. SEE ELEVATIONS. REFER TO D4/A-541.
- PLASTER ASSEMBLY, TYP. REFER TO WALL TYPES.
- PLASTER CONTROL JOINT REVEAL, TYP. REFER TO DETAIL D3/A-541.
- HM FRAMED DOOR TRANSOM LOUVER. COORD. W/ MECH.
- PRE-FINISHED METAL STANDING SEAM ROOFING ASSEMBLY O/ 1" RIGID INSULATION O/ WEATHER BARRIER, TYP.
- PRE-FINISHED METAL GUTTER ASSEMBLY, TYP.
- PRE-FINISHED METAL FASCIA. REFER TO DETAILS ON A-562.
- SOFFIT CONTROL JOINT, TYP. REFER TO R.C.P.
- HIGH DRINKING FOUNTAIN + BOTTLE FILLER. COORD WITH ELECTRICAL AND PLUMBING. REFER TO D4/A592 FOR ADDITIONAL INFORMATION.
- SCHEDULED LIGHT FIXTURE, TYP. COORD. W/ ELECTRICAL.
- PRE-FINISHED METAL MECHANICAL LOUVER. REFER TO MECH. DRAWINGS FOR MORE INFORMATION.
- LIGHT FIXTURE, TYP. COORDINATE W/ ELECTRICAL.
- 7/8" PLASTER SOFFIT ASSEMBLY O/ 1/2" PLYWOOD SHEATHING O/ 2x WOOD FRAMING AS PER STRUCT. REFER TO DETAIL C4/A-541.



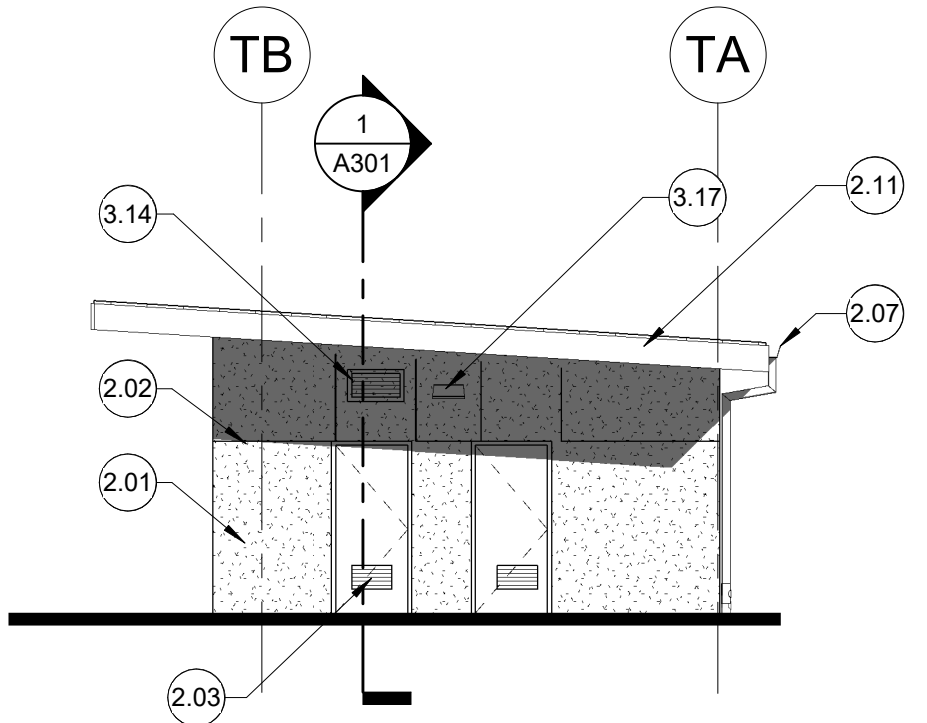
A4 EXTERIOR ELEVATION - S
 1/8" = 1'-0"



B5 EXTERIOR ELEVATION - E
 1/8" = 1'-0"



B4 EXTERIOR ELEVATION - N
 1/8" = 1'-0"



B3 EXTERIOR ELEVATION - W
 1/8" = 1'-0"

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120800 INC:
 REVIEWED FOR:
 SS FLS ACS
 DATE: 04/12/2023



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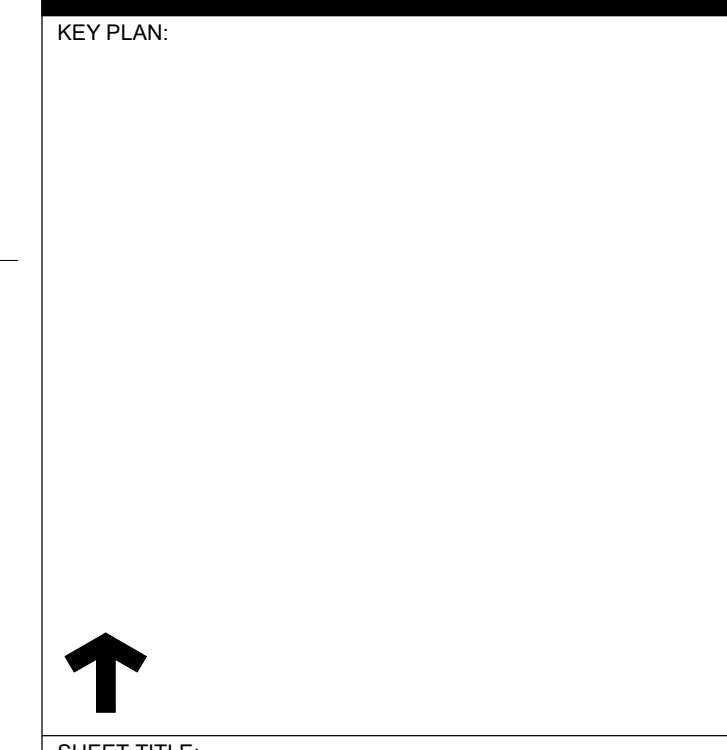
PROJECT NAME:
**SEQUOIA
 ELEMENTARY SCHOOL**

3333 ROSEMONT DR
 SACRAMENTO, CA 95826

**REPLACEMENT
 TOILET BUILDING
 AND SECURITY
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SACRAMENTO COUNTY



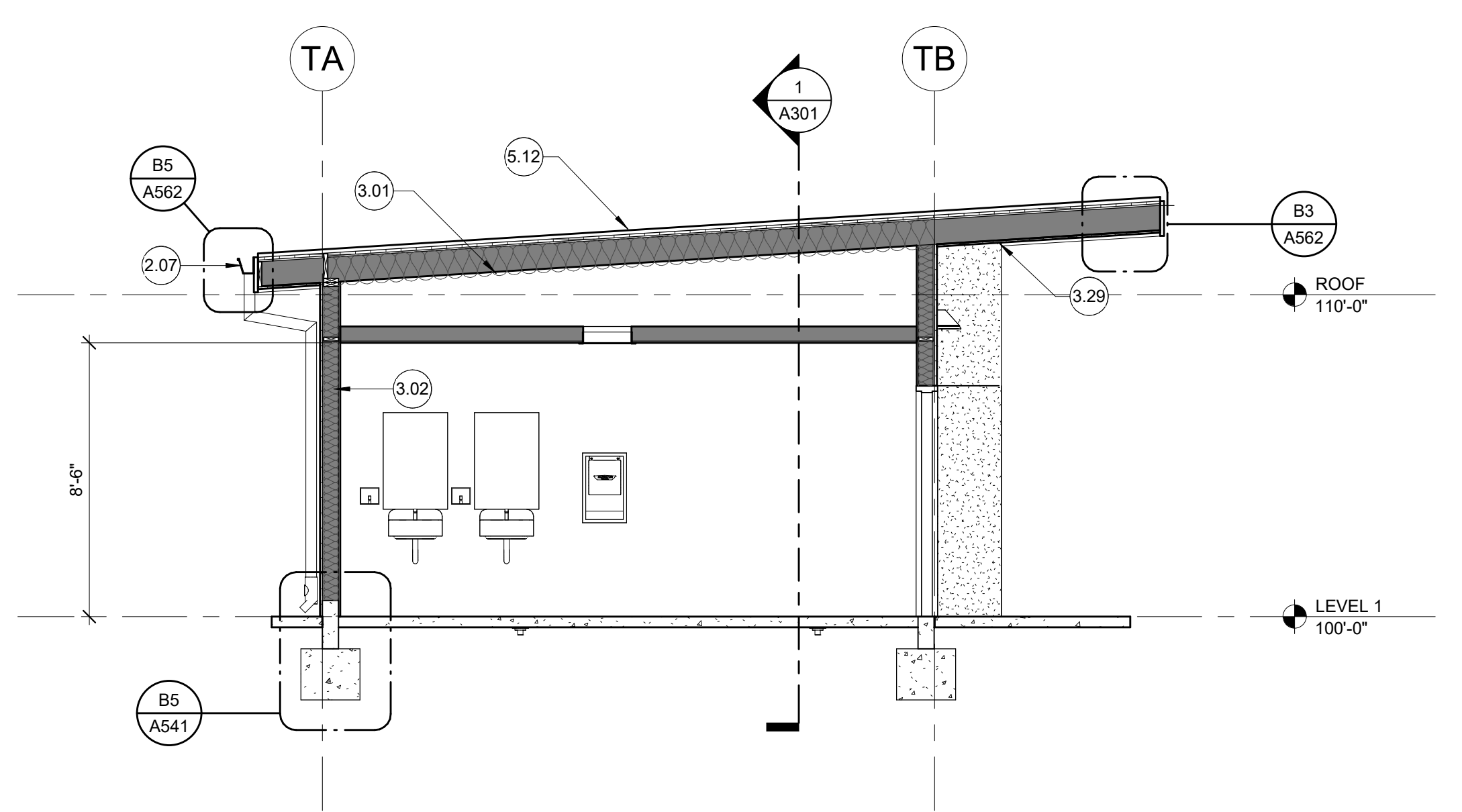
KEY PLAN:
 SHEET TITLE:
SECTIONS
 JOB NUMBER: SHEET NUMBER:
 DATE:
 MAR 28, 2023
 REVISION:
A301

GENERAL NOTES

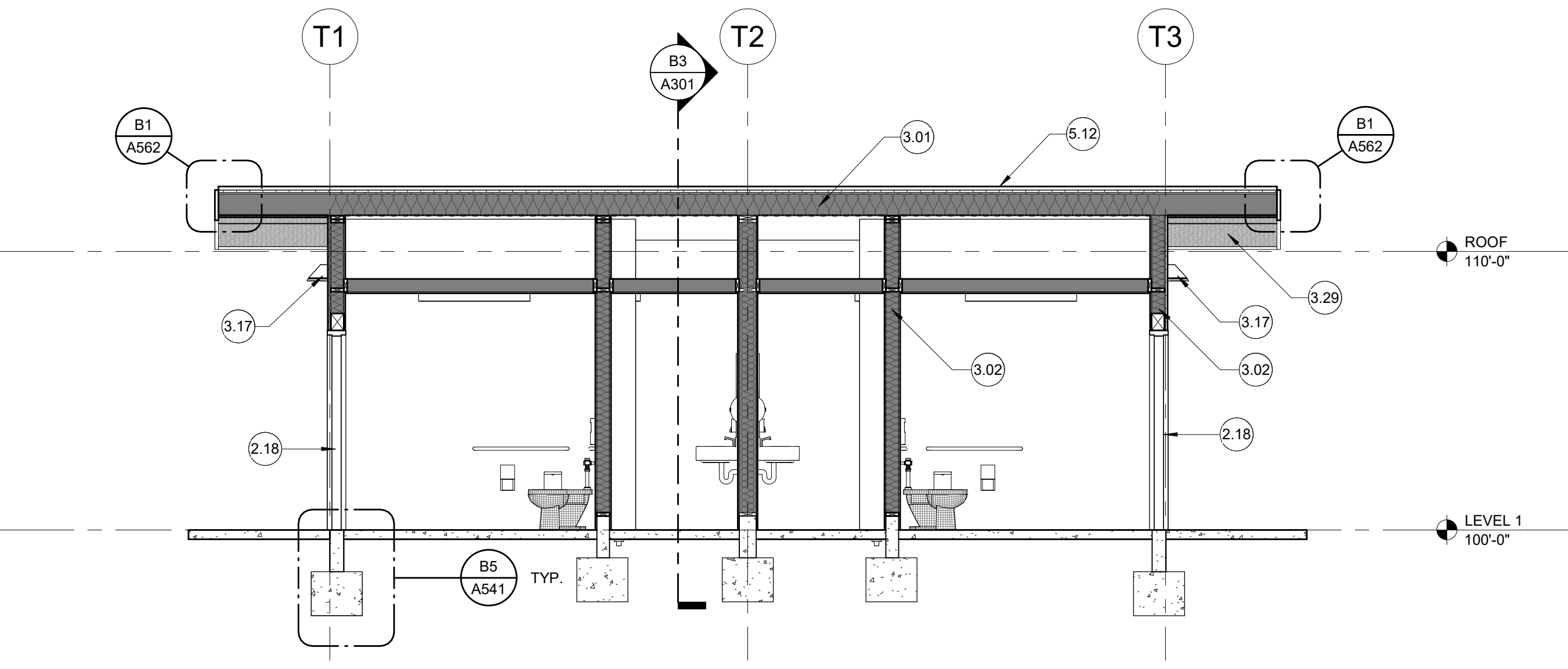
1. REFER TO PLANS FOR SCHEDULED FIXTURES AND ACCESSORIES.

KEYED NOTES SCHEDULE

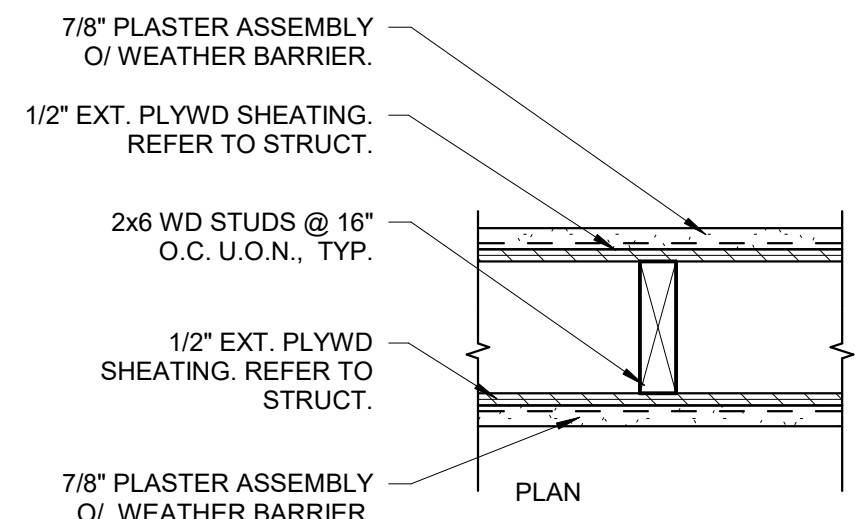
- 2.07 PRE-FINISHED METAL GUTTER ASSEMBLY, TYP.
- 2.18 SCHEDULED DOOR ASSEMBLY. REFER TO PLAN AND DOOR SCHEDULE.
- 3.01 R-38 BATT INSULATION FILLING ALL CEILING / RAFTER CAVITIES.
- 3.02 R-19 BATT INSULATION FILLING ALL STUD CAVITIES.
- 3.17 LIGHT FIXTURE, TYP. COORDINATE W/ ELECTRICAL.
- 3.29 PLASTER CEILING ASSEMBLY O/ 2x6 WD CEILING JOISTS @ 24" O.C. UNLESS OTHERWISE NOTED. COORD. BRACING W/ STRUCT. REFER TO DETAIL CA/A-541.
- 5.12 STANDING SEAM METAL ROOFING, REFER DETAILS ON SHEET A-562 & TO STRUCTURAL.



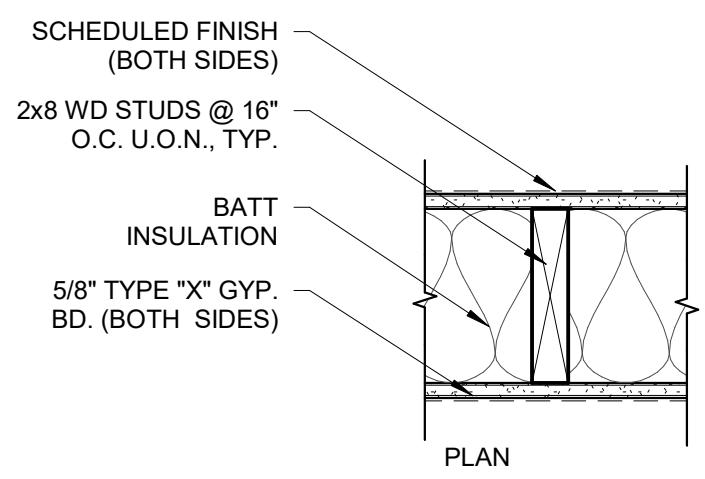
B3 CONCESSIONS - LATERAL SECTION
 1/4" = 1'-0"



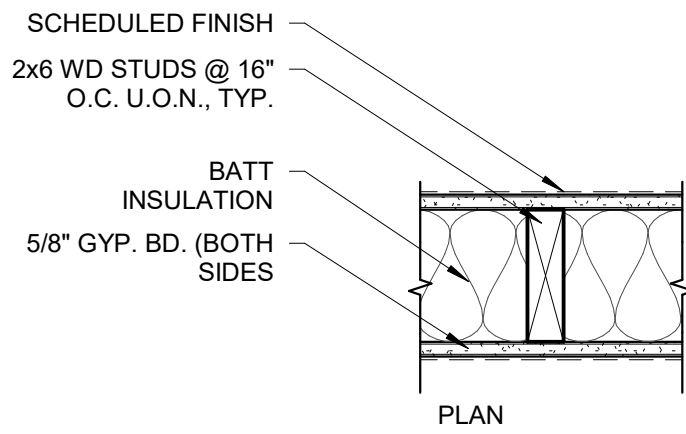
1 CONCESSIONS - LONGITUDINAL SECTION
 1/4" = 1'-0"



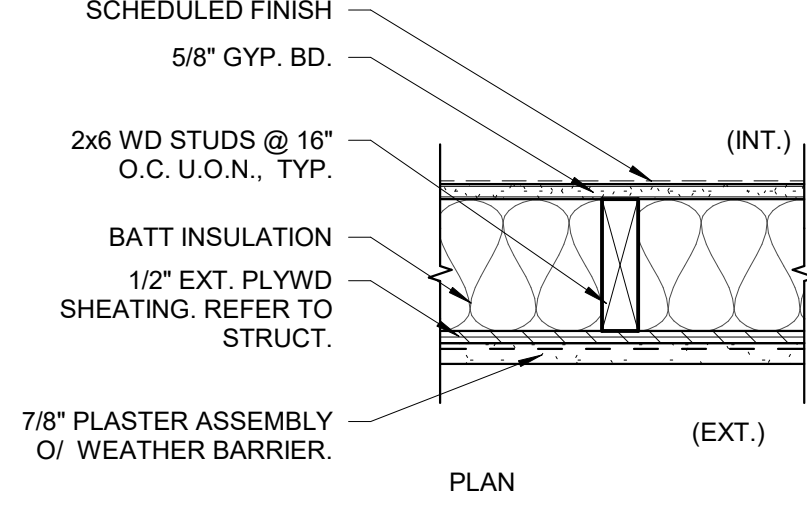
A5 WALL TYPE
 1 1/2" = 1'-0"



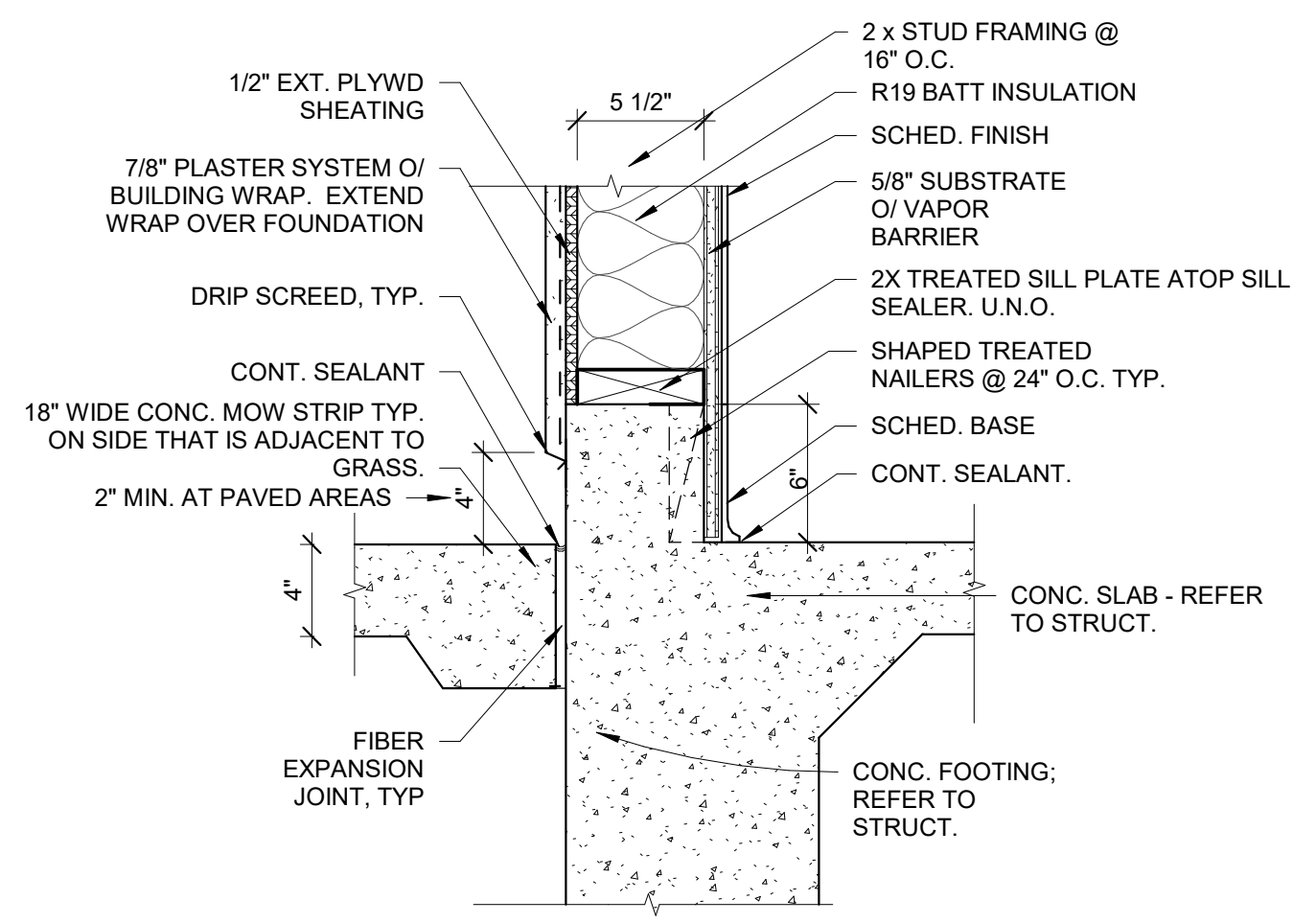
A4 WALL TYPE
 1 1/2" = 1'-0"



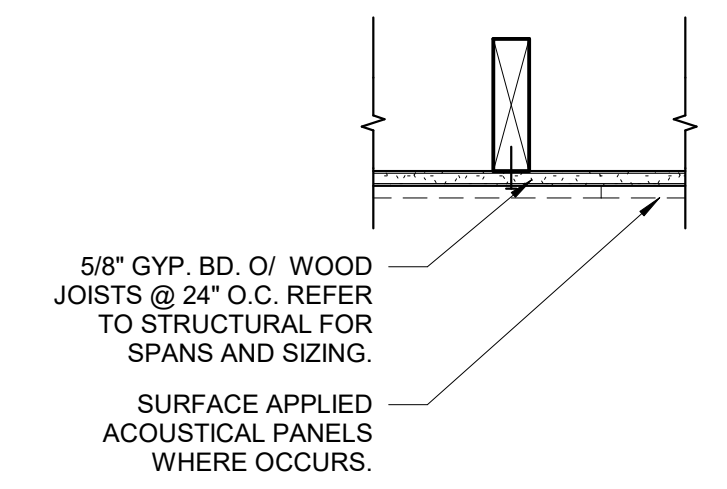
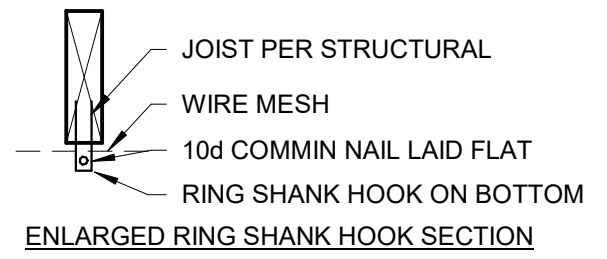
A2 WALL TYPE
 1 1/2" = 1'-0"



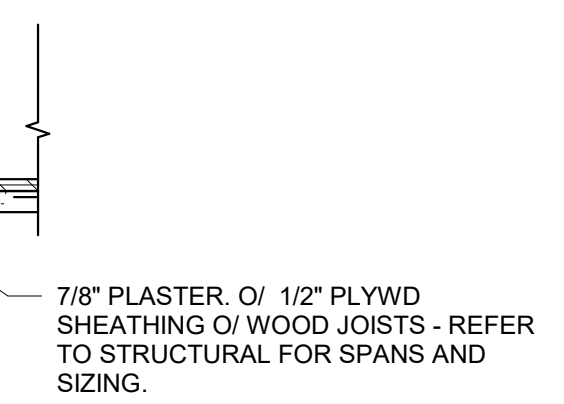
A1 WALL TYPE
 1 1/2" = 1'-0"



B5 TYP. FOOTING DETAIL
 1 1/2" = 1'-0"

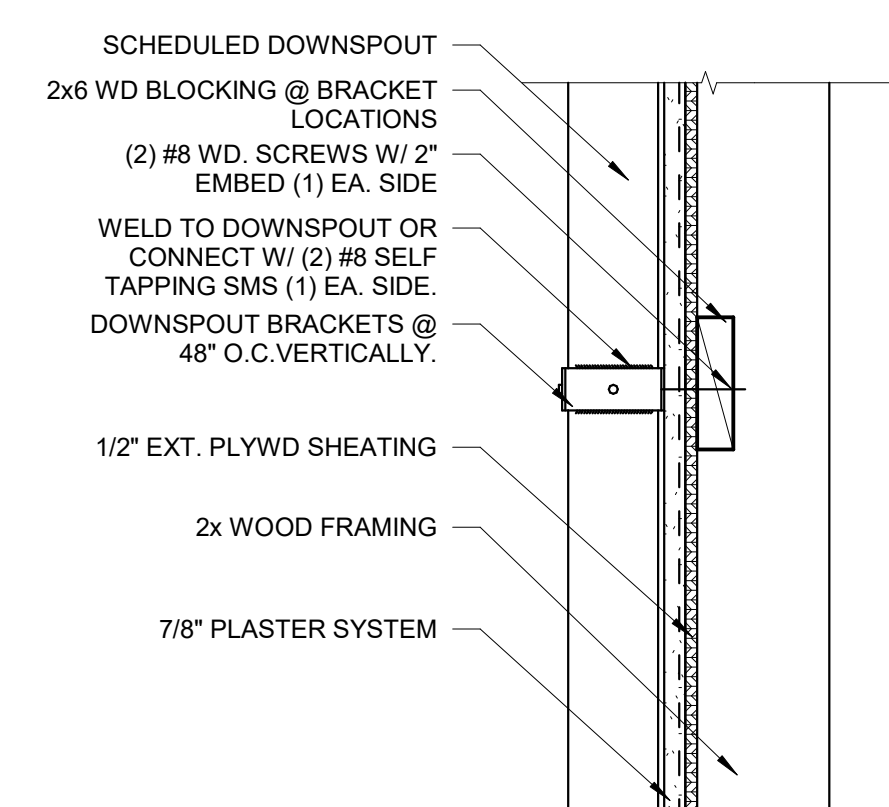


SECURE LATH TO STRUCTURE PER CBC 2507.3.2 USING 1/2"W x 1-1/2"L #9 W&M GAGE. RING SHANK HOOK STAPLE PLACED AROUND A 10d COMMON NAIL LAID FLAT UNDER THE SURFACE OF THE LATH NO MORE THAN 3" FROM EDGE OF EACH SHEET

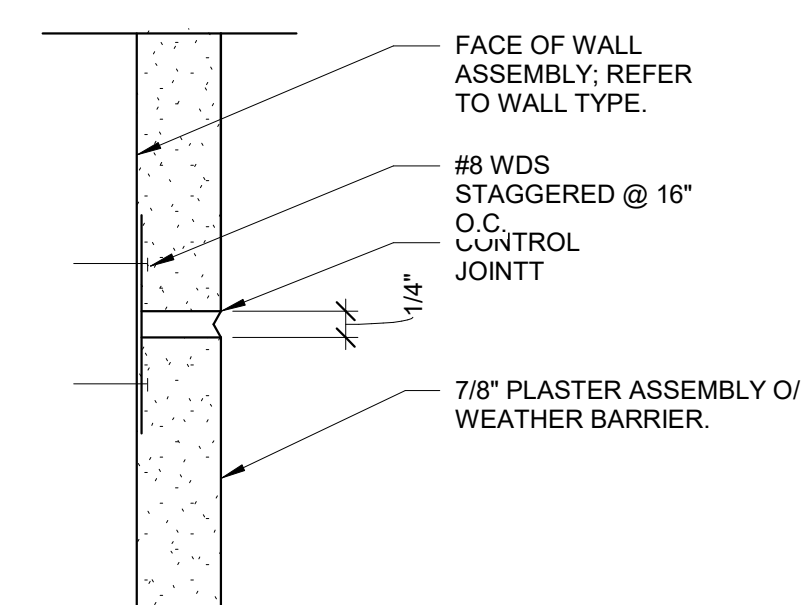


C5 GYP. BD. CEILING
 1 1/2" = 1'-0"

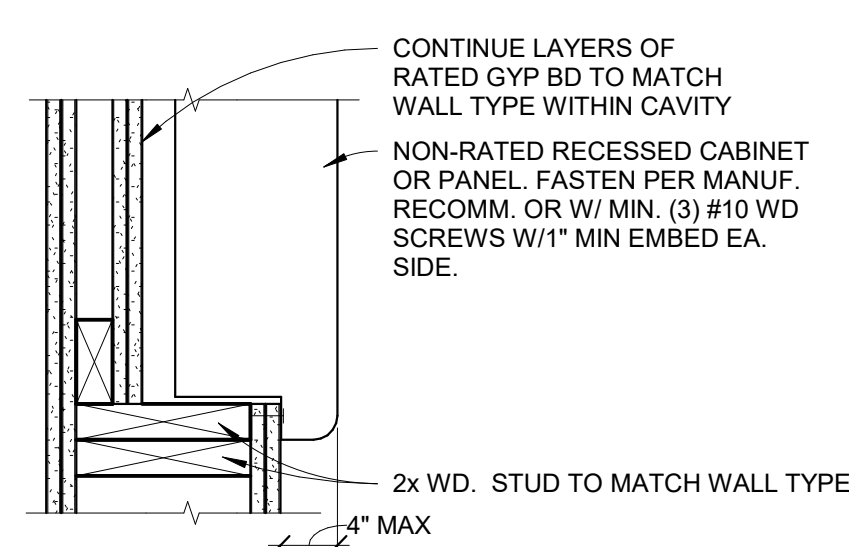
C4 PLASTER SOFFIT
 1 1/2" = 1'-0"



D4 DOWNSPOUT
 1 1/2" = 1'-0"



D3 TYP. \"/>



D2 SEMI-RECESSED CAB.
 1 1/2" = 1'-0"



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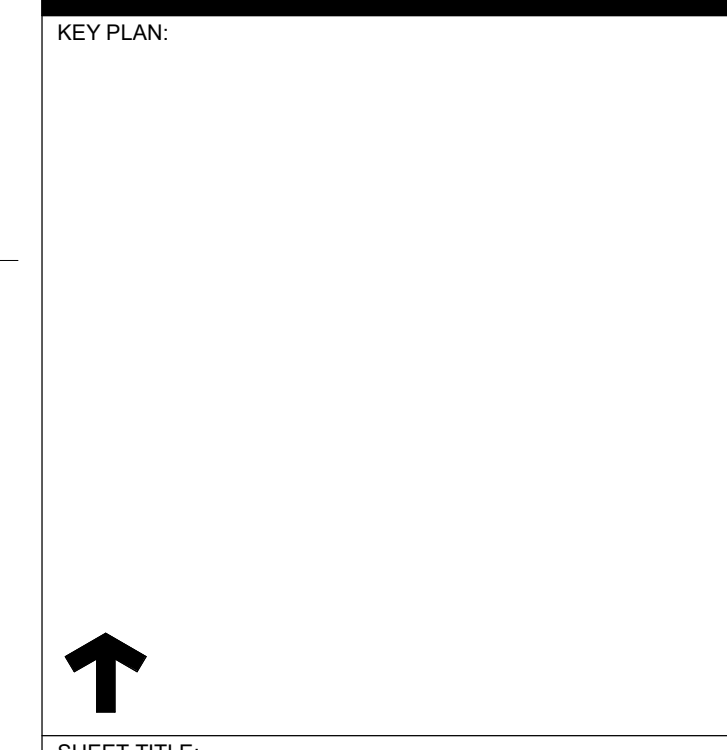
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REPLACEMENT TOILET BUILDING AND SECURITY FENCING

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

SACRAMENTO COUNTY



WALL TYPES, ROOF & MISC. DETAILS

JOB NUMBER: SHEET NUMBER:
 DATE: MAR 28, 2023
 REVISION:
A541



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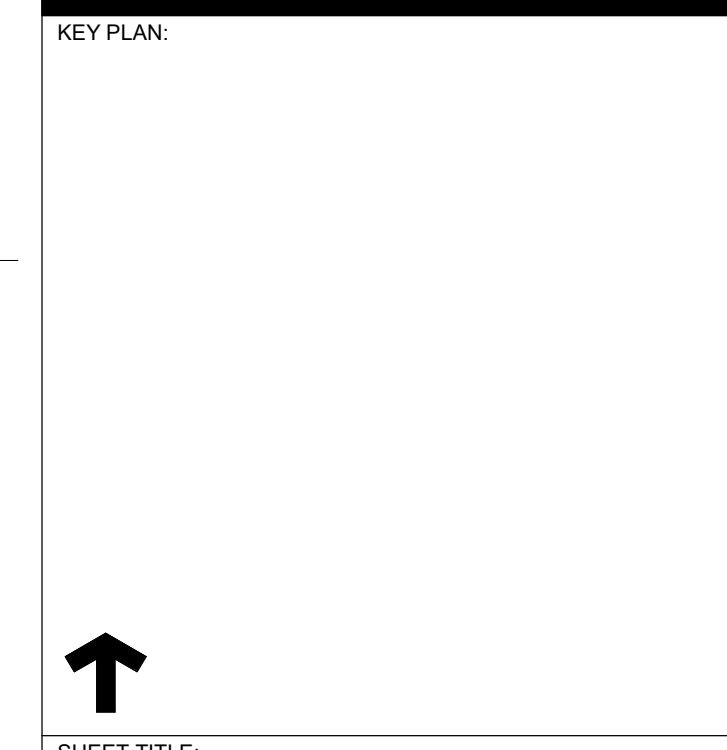
PROJECT NAME:
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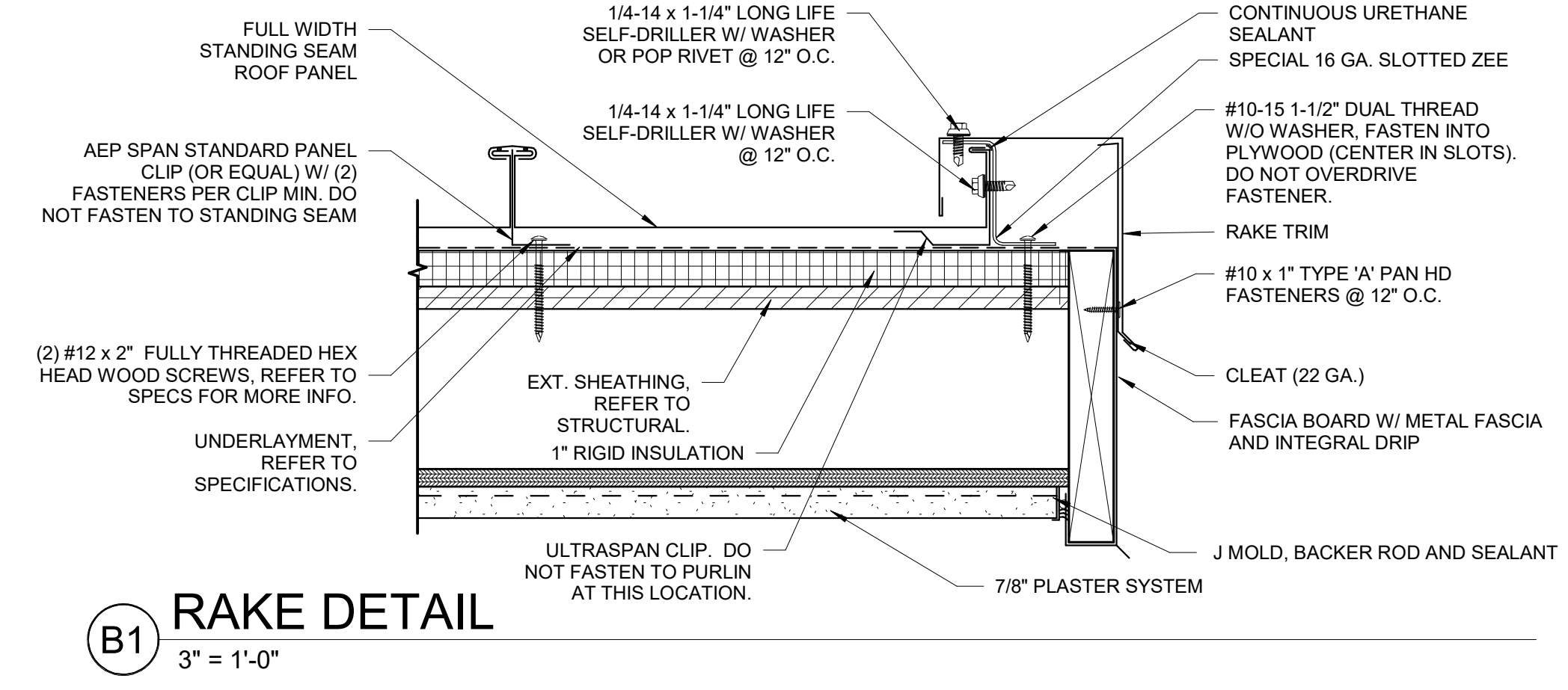
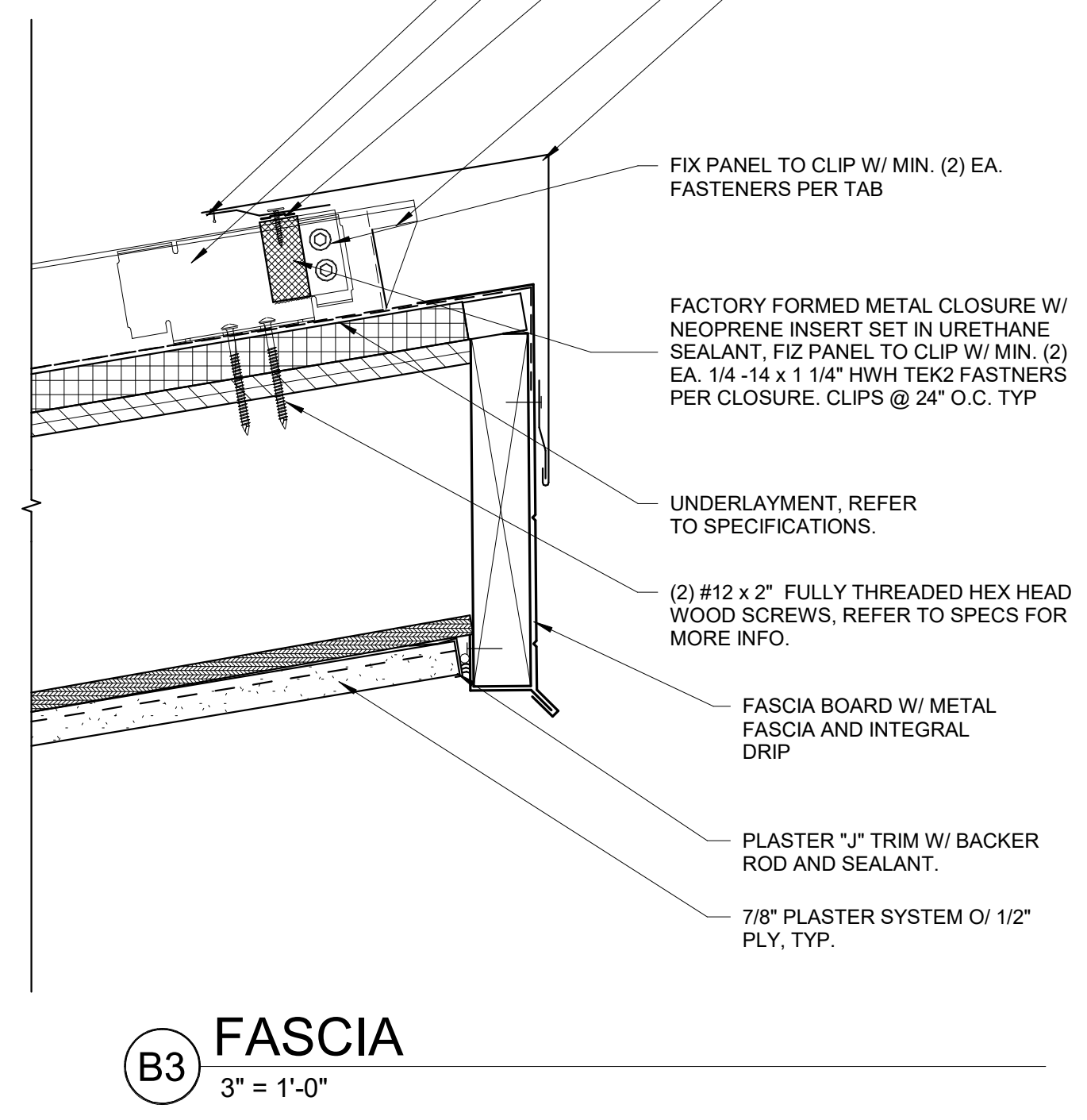
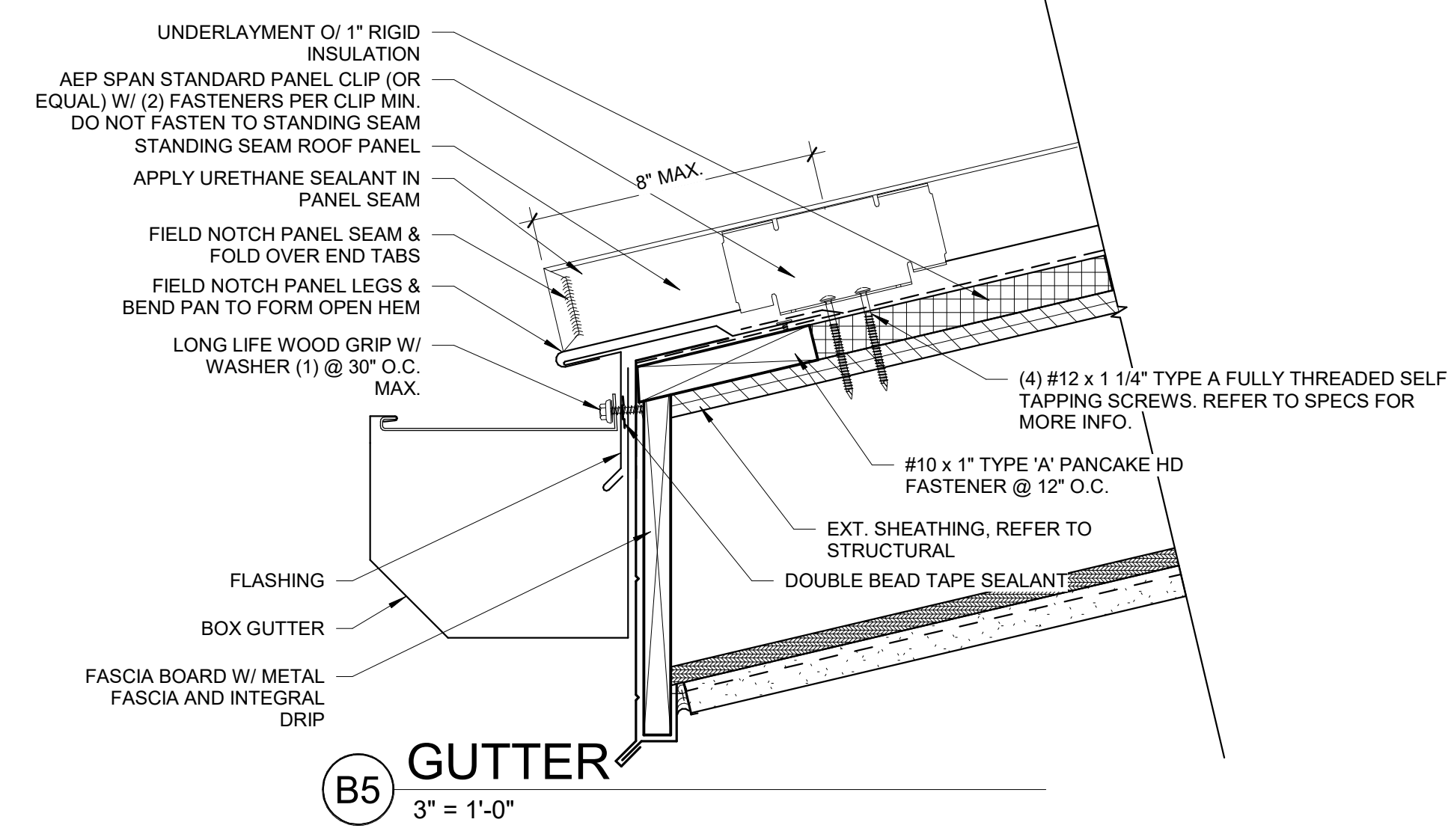
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

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SHEET TITLE:
MISC. DETAILS & STANDING SEAM ROOF DETAILS

JOB NUMBER:	SHEET NUMBER:
DATE: MAR 28, 2023	A562
REVISION:	

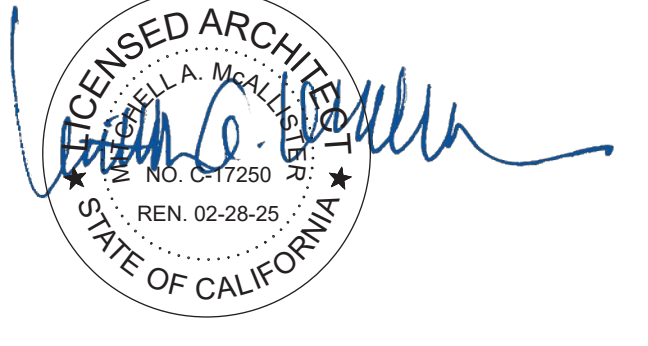




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CONSULTANT: _____

PROJECT NAME:

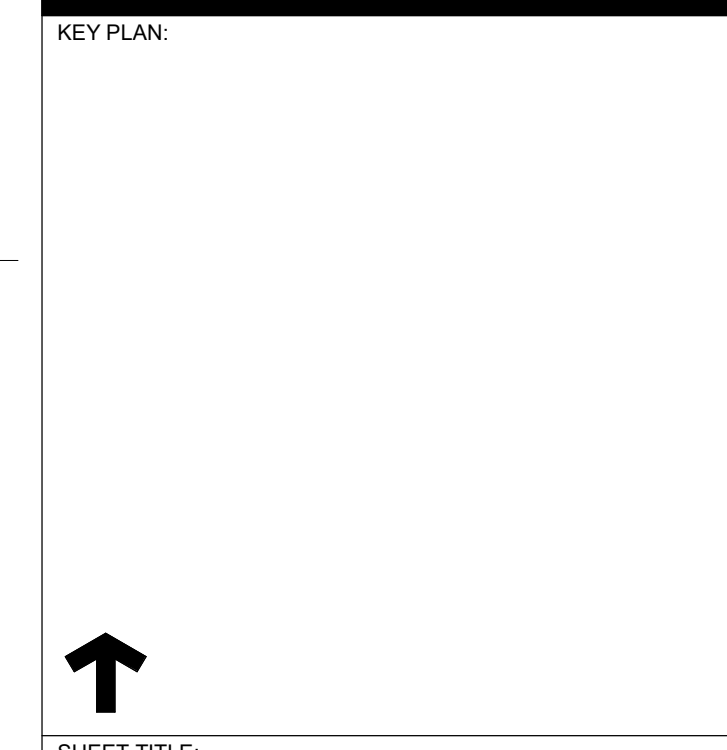
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**REPLACEMENT
 TOILET BUILDING
 AND SECURITY
 FENCING**

SACRAMENTO CITY UNIFIED
 SCHOOL DISTRICT

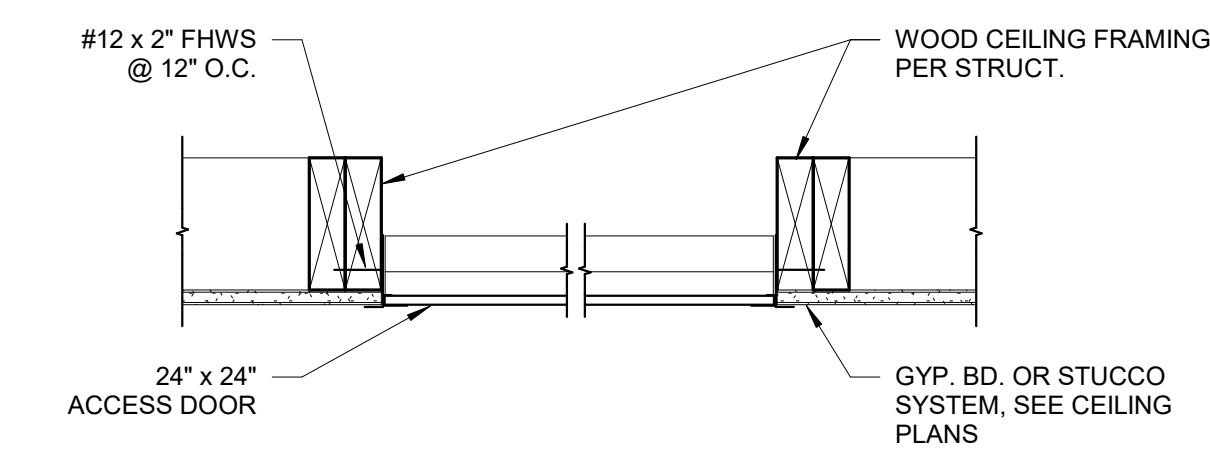
SACRAMENTO COUNTY



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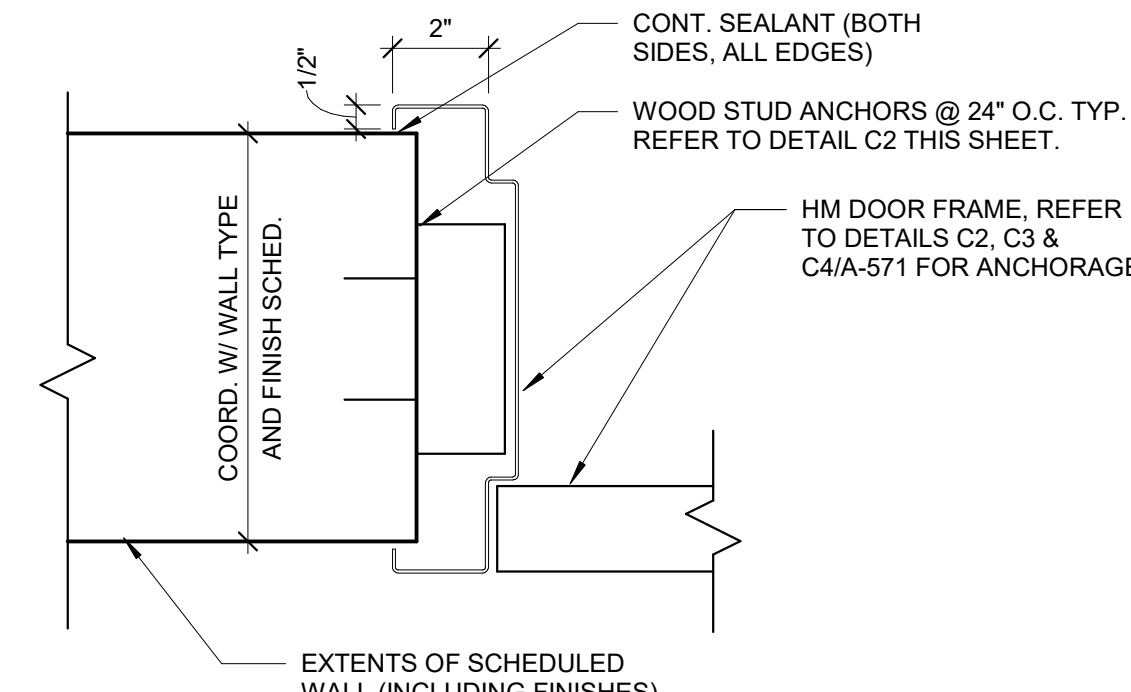
SHEET TITLE:
**DOOR & WINDOW
 DETAILS**

JOB NUMBER:	SHEET NUMBER:
DATE: MAR 28, 2023	A571
REVISION:	

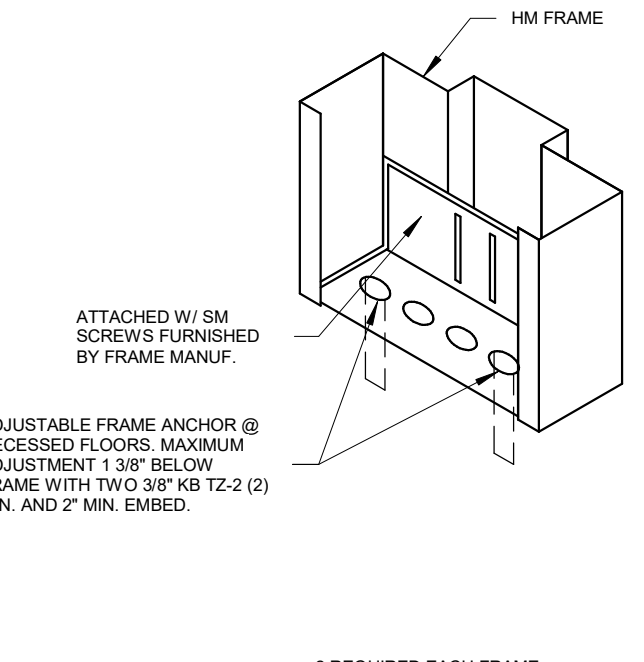


NOTE:
 SEE MECHANICAL, PLUMBING,
 ELECTRICAL DRAWINGS & SPECS FOR
 ADDITIONAL CEILING ACCESS DOOR
 LOCATIONS.

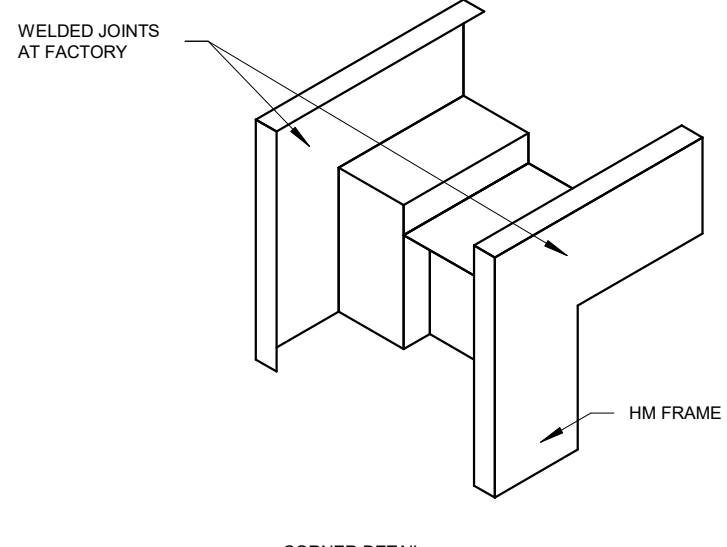
(A1) CEILING ACCESS
 1 1/2" = 1'-0"



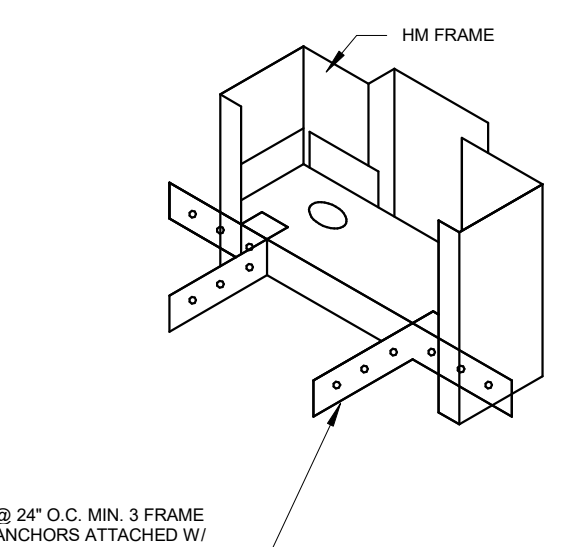
(C5) HM DOOR JAMB - INT.
 3" = 1'-0"



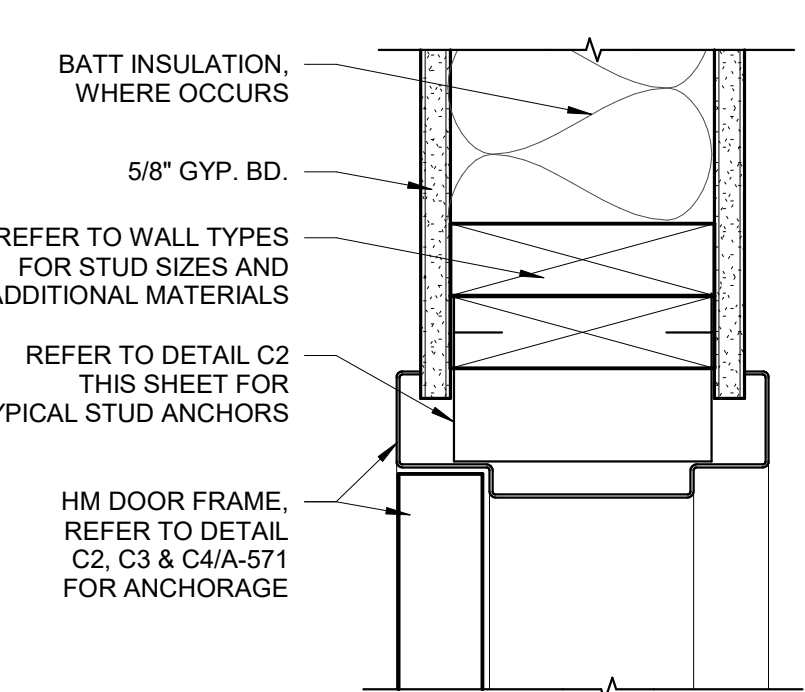
(C4) DOOR CONN. DETAIL
 3" = 1'-0"



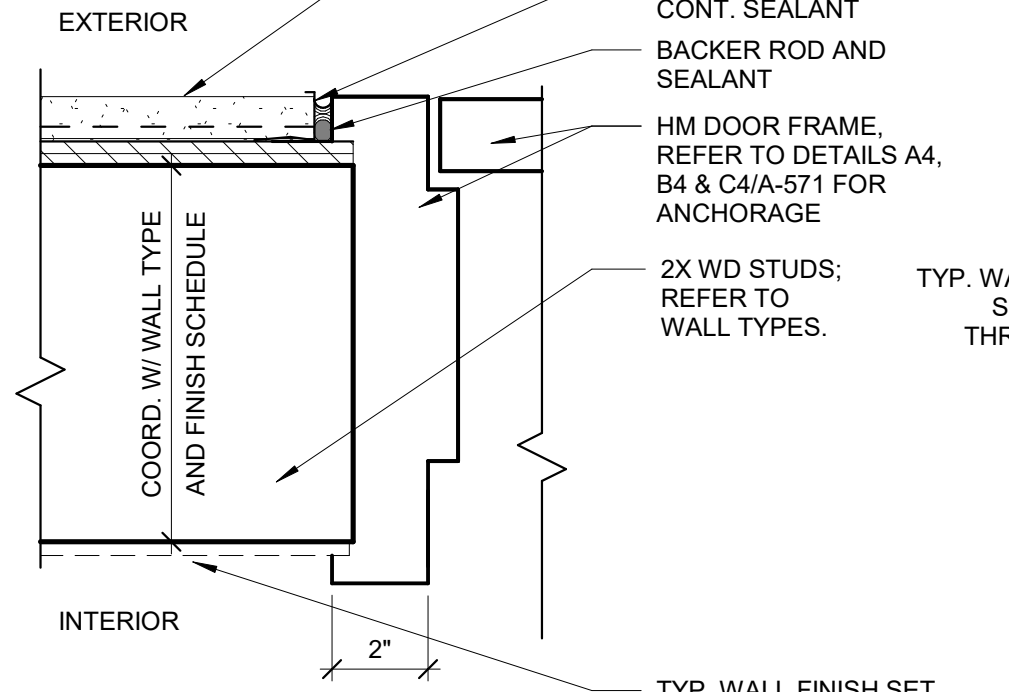
(C3) DOOR CONN. DETAIL
 3" = 1'-0"



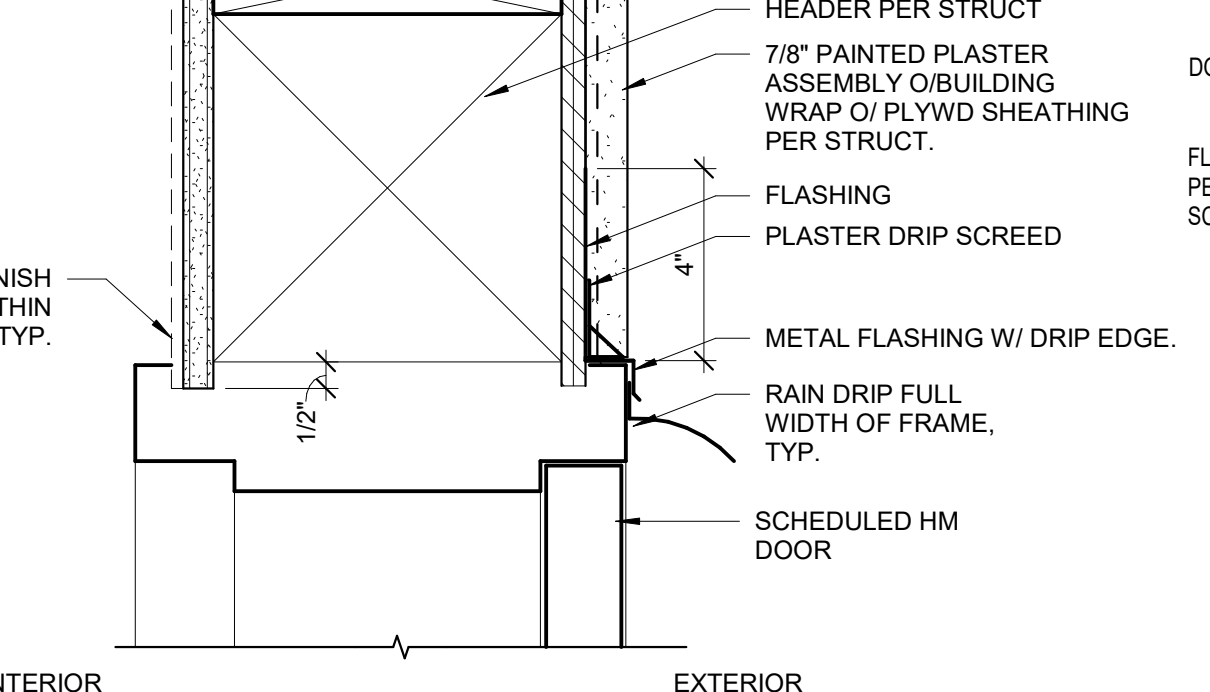
(C2) DOOR CONN. DETAIL
 3" = 1'-0"



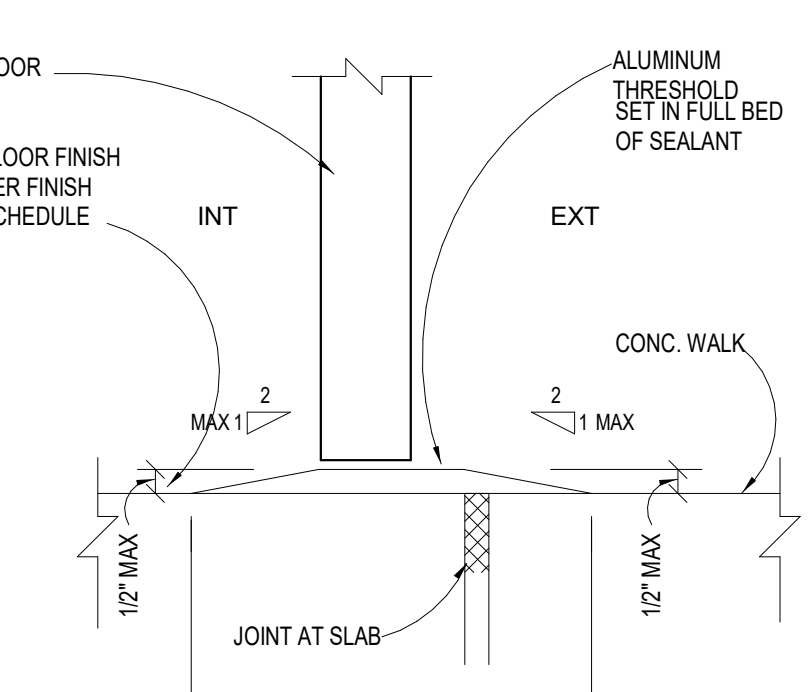
(D5) HM DOOR HEAD - INT.
 3" = 1'-0"



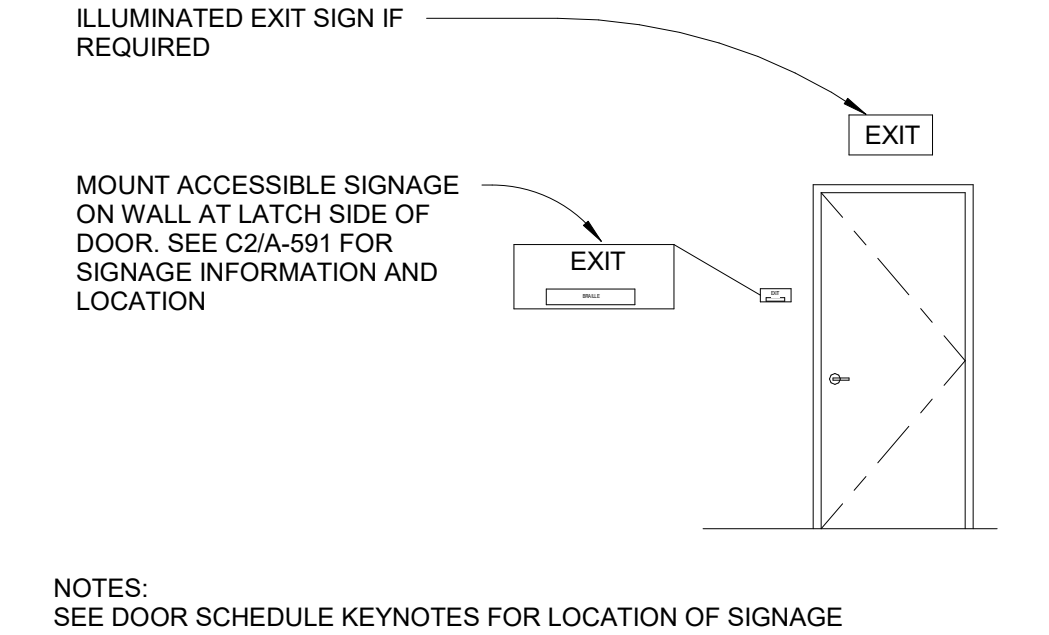
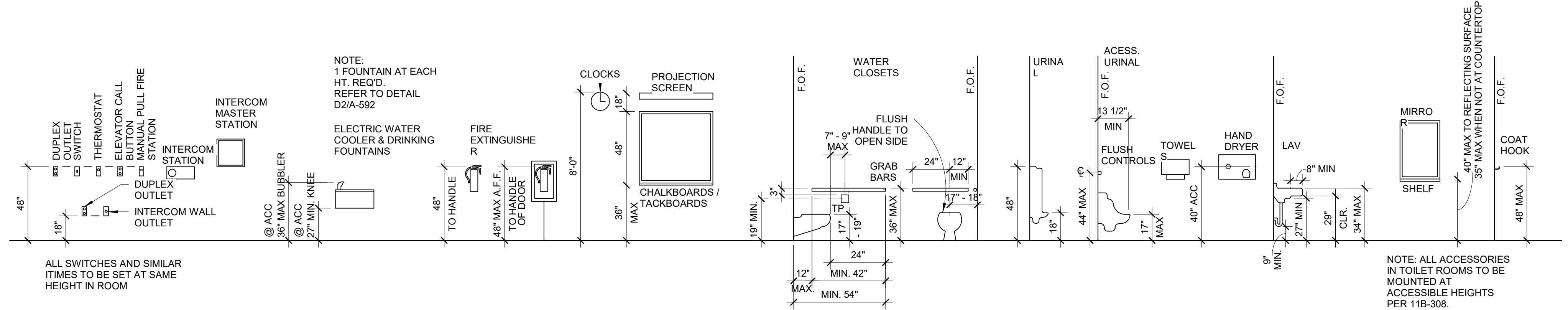
(D4) HM DOOR JAMB - EXT.
 3" = 1'-0"



(D3) HM DOOR HEAD - EXT.
 3" = 1'-0"

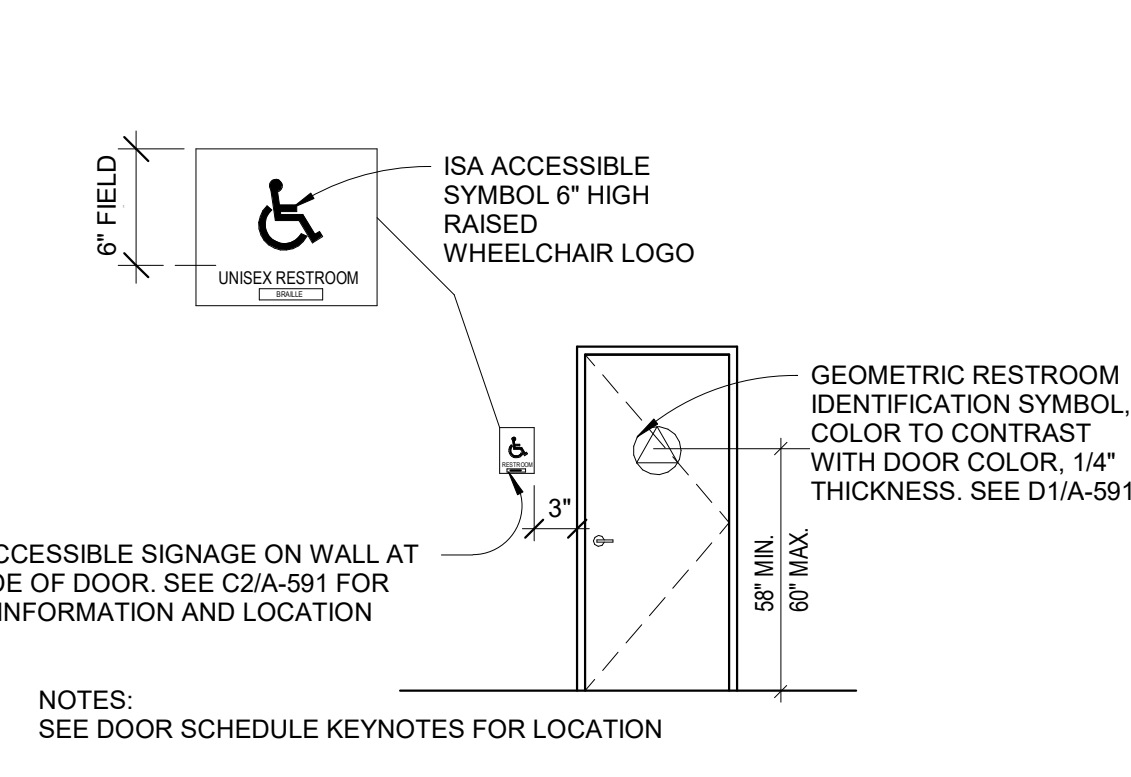
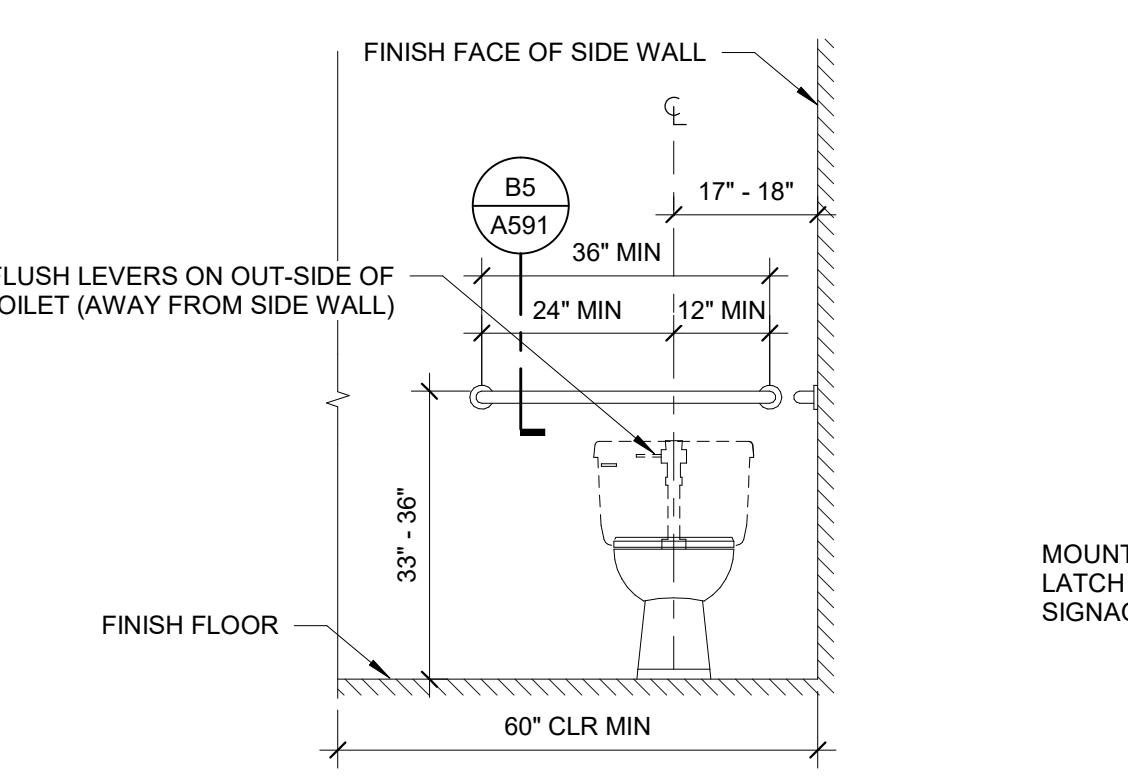
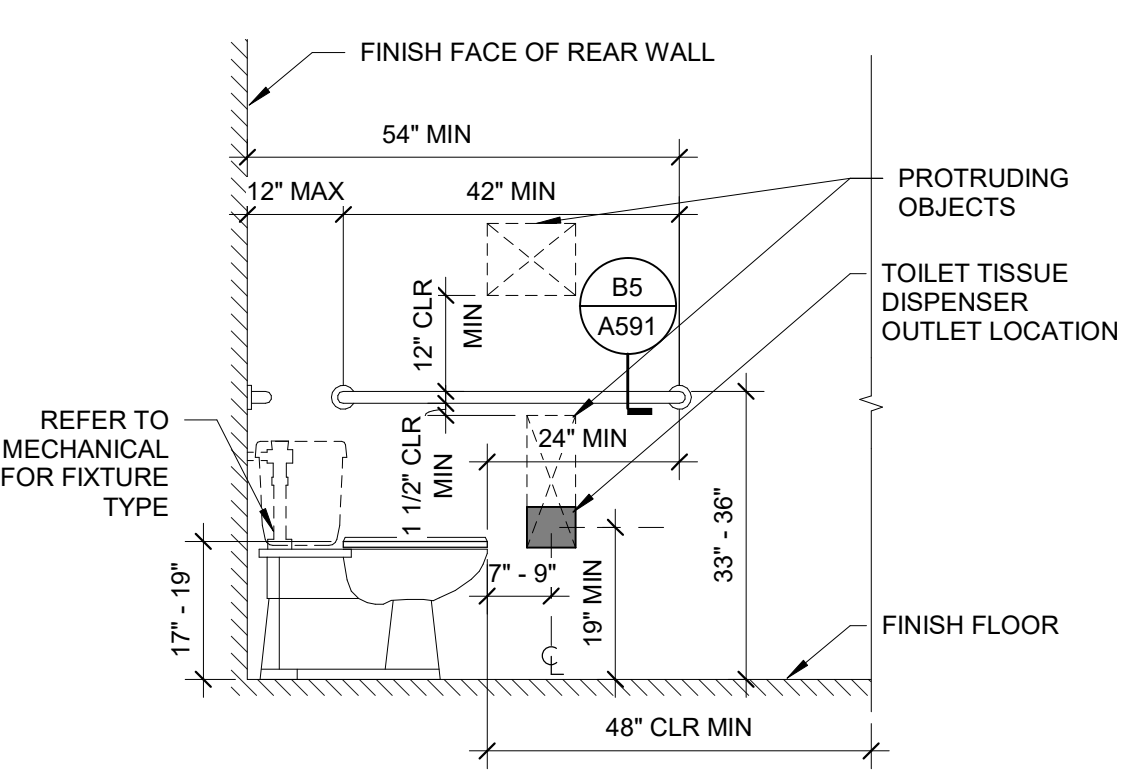
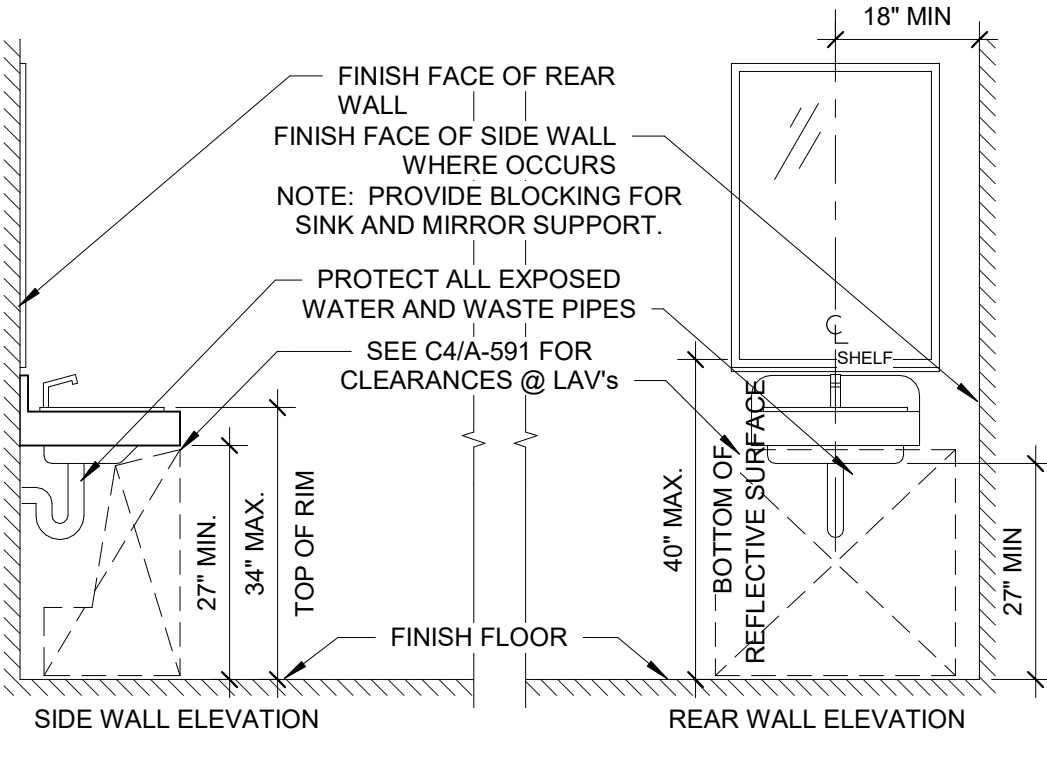
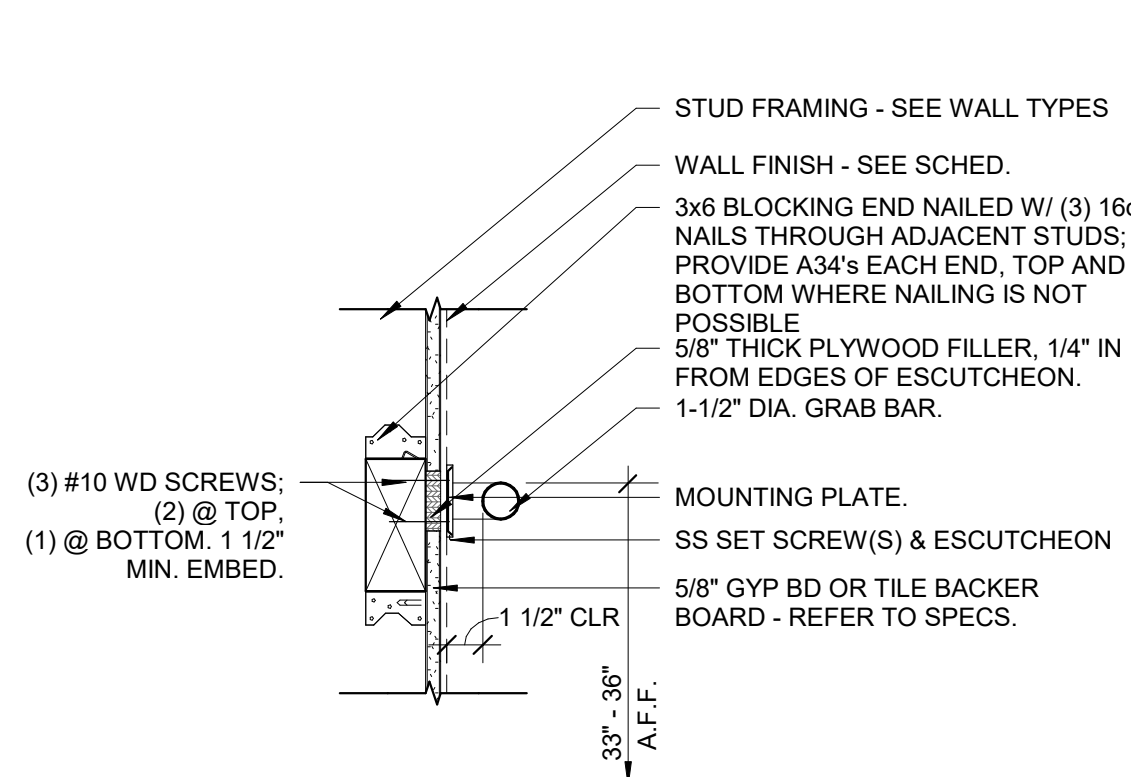


(D2) THRESHOLD DETAIL
 3" = 1'-0"



A5 KINDERGARTEN & STANDARD HEIGHTS
 1/4" = 1'-0"

A1 TACTILE EXIT SIGNAGE
 3" = 1'-0"



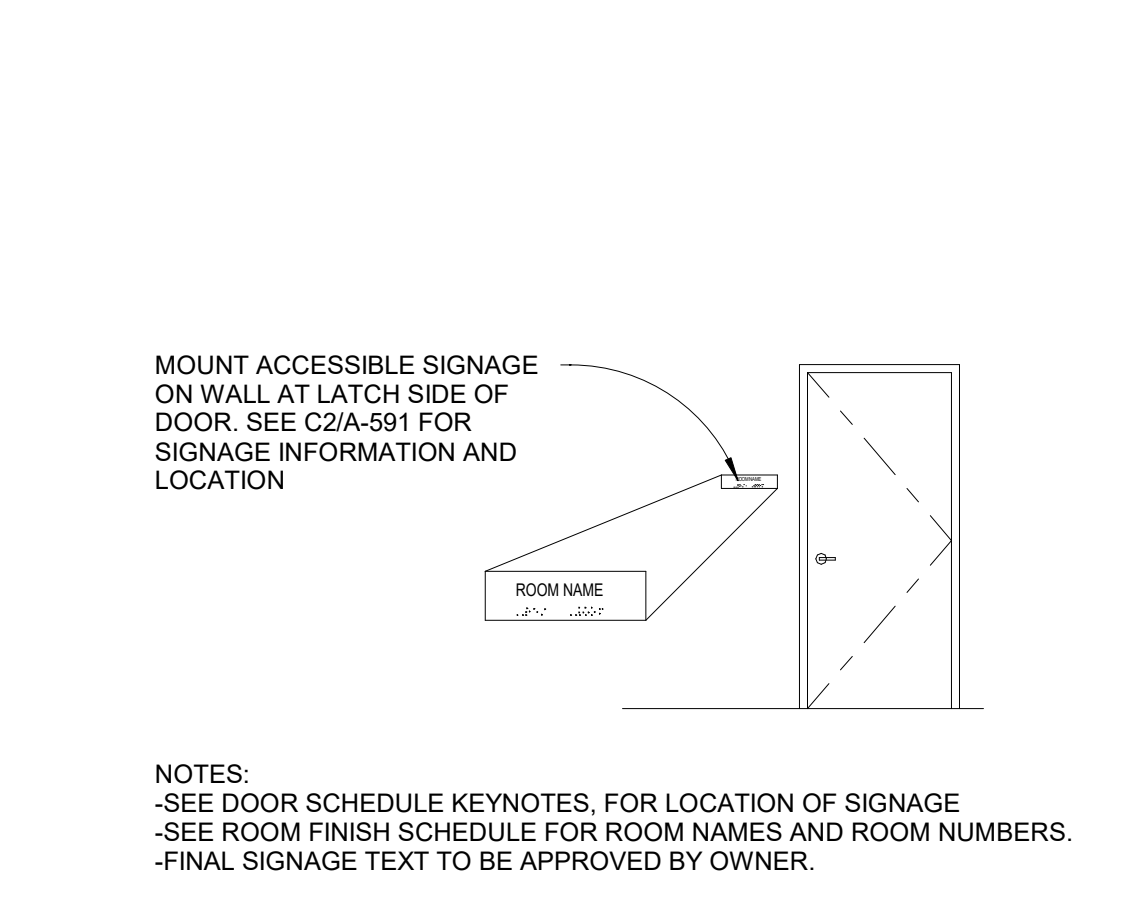
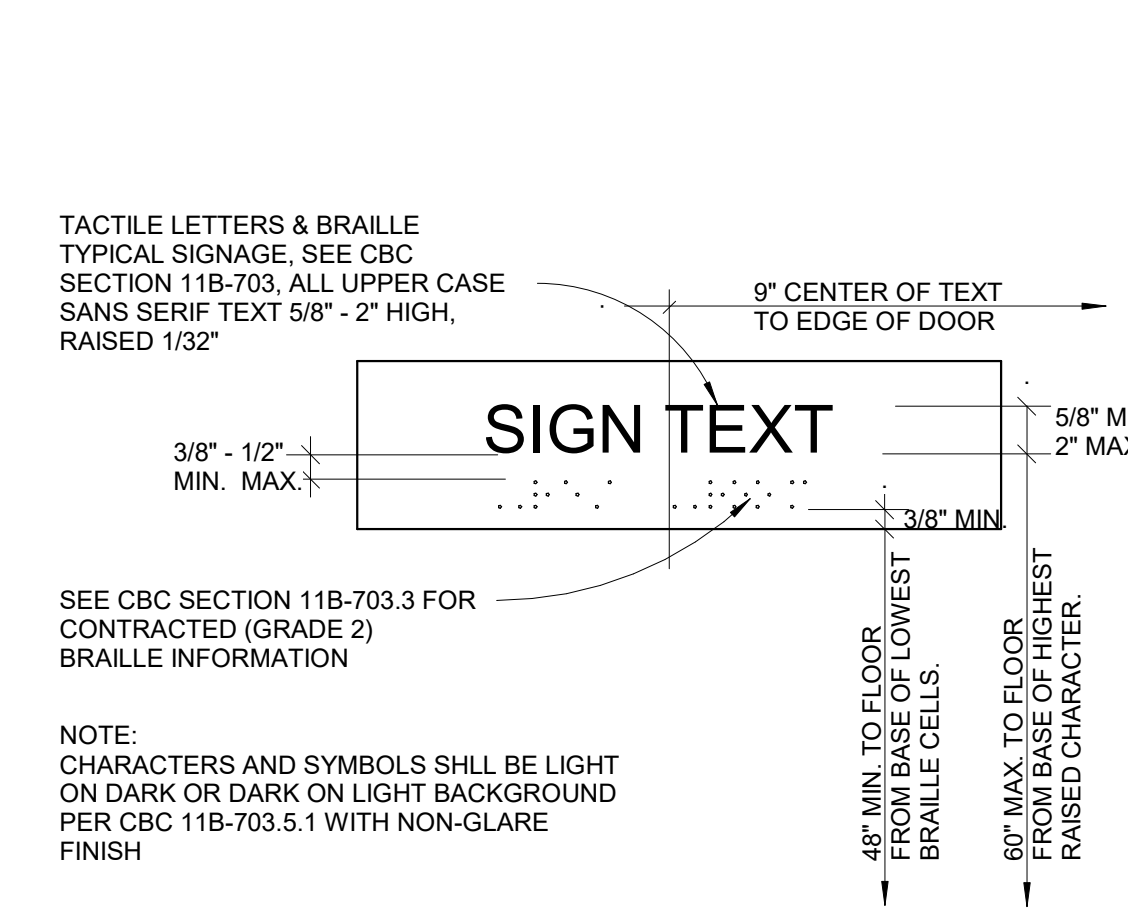
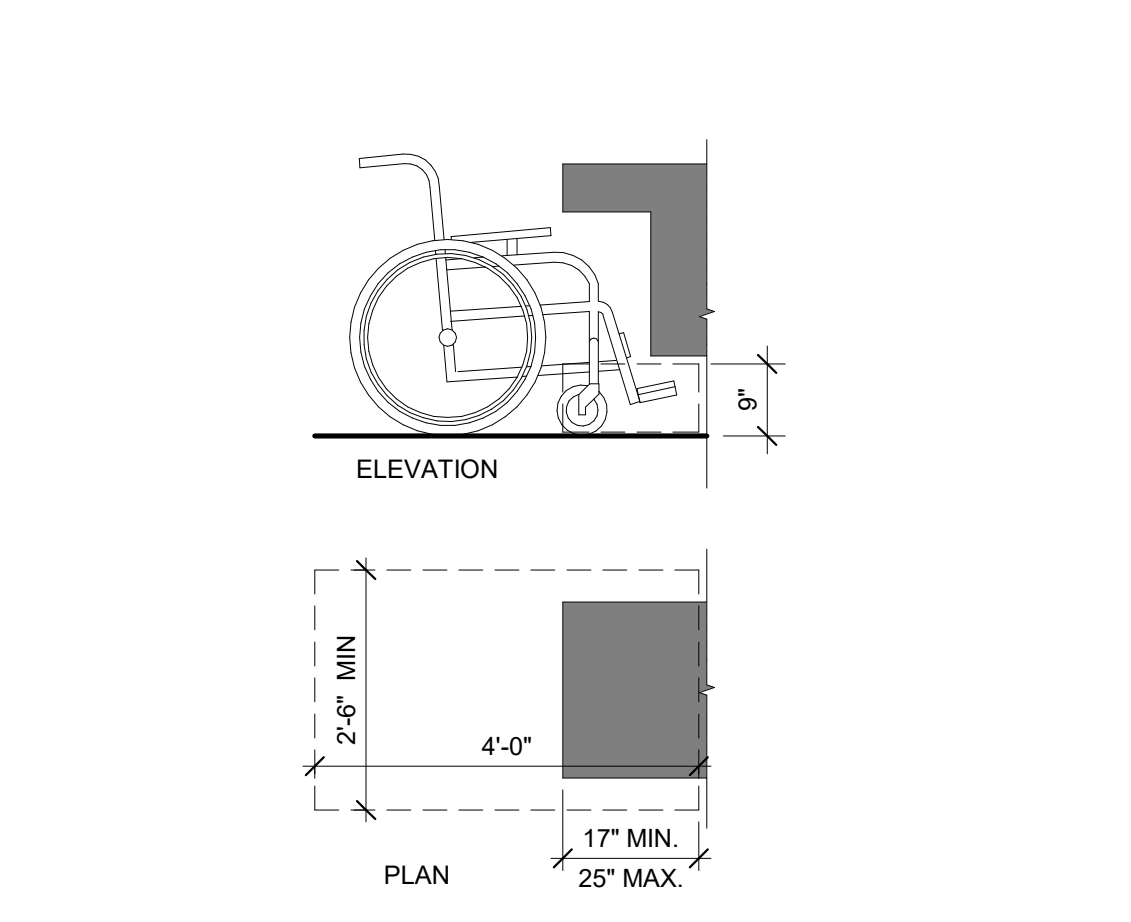
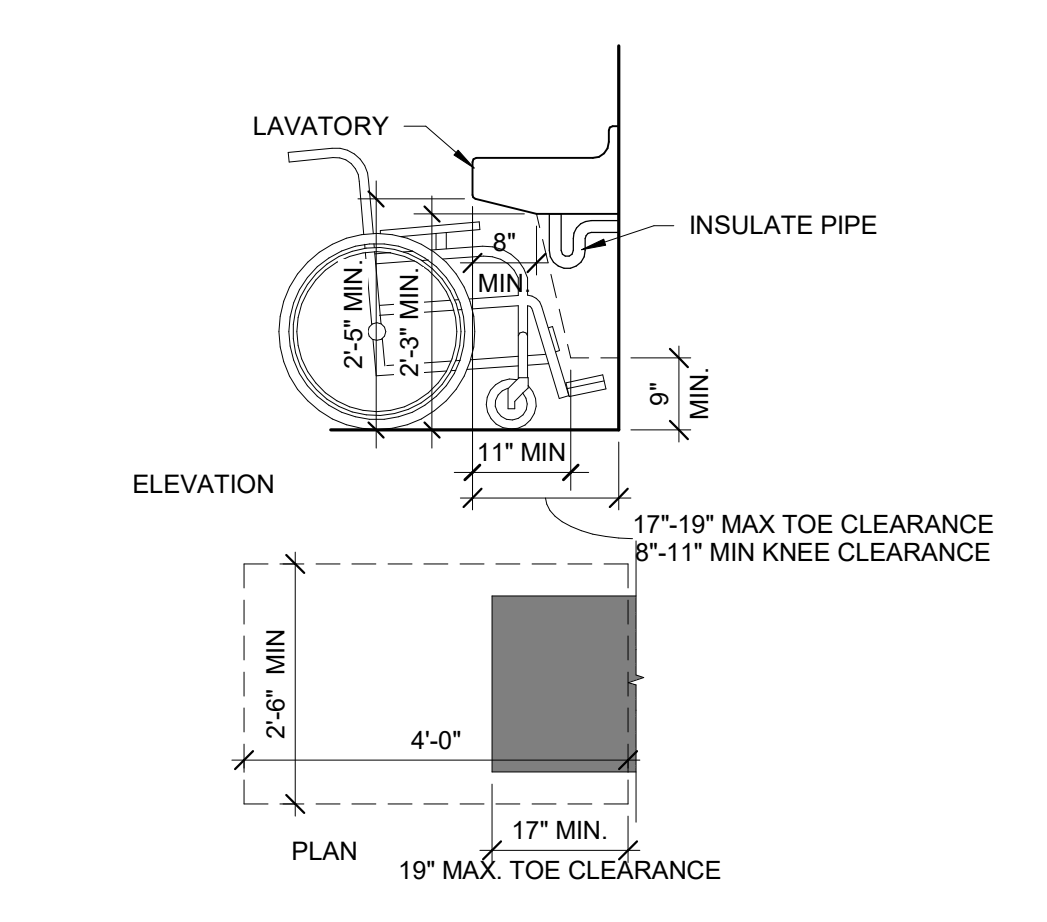
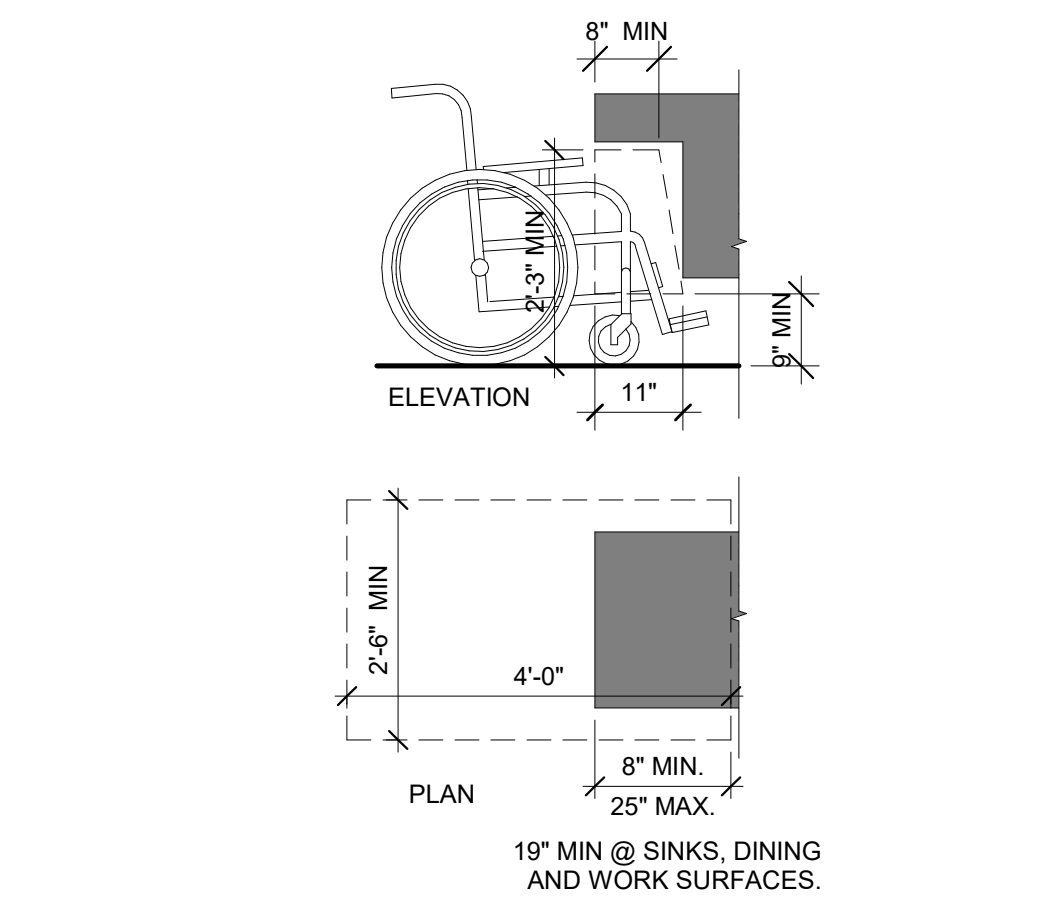
B5 GRAB BAR ANCHORAGE
 1/2" = 1'-0"

B4 SINK & MIRROR
 1/2" = 1'-0"

B3 ACC. TOILET SIDE WALL
 1/2" = 1'-0"

B2 ACC. TOILET REAR WALL
 1/2" = 1'-0"

B1 RESTROOM SIGNAGE
 3" = 1'-0"



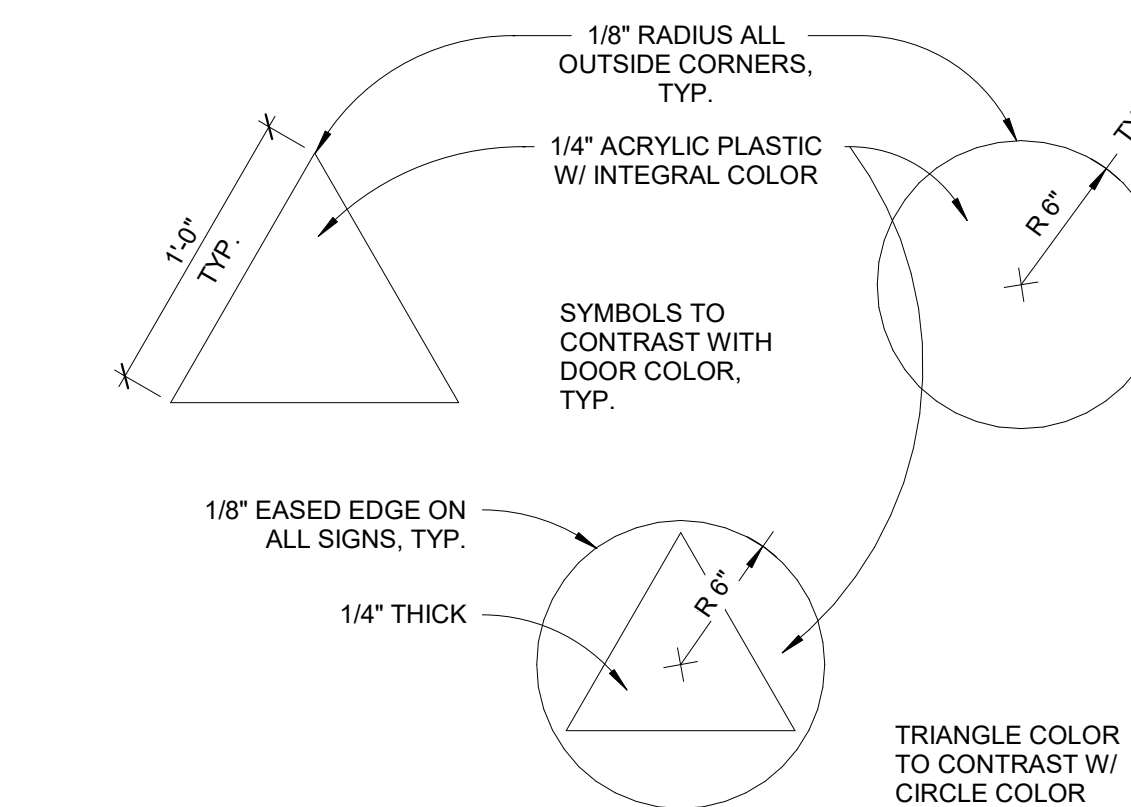
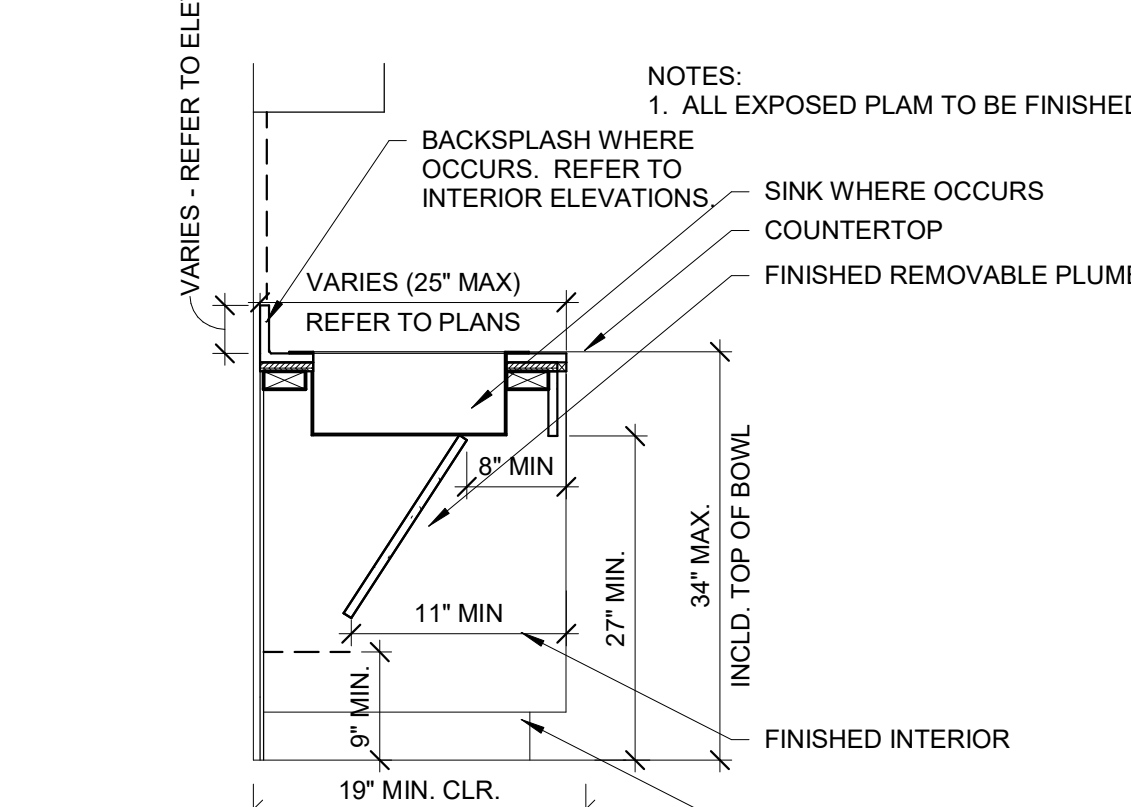
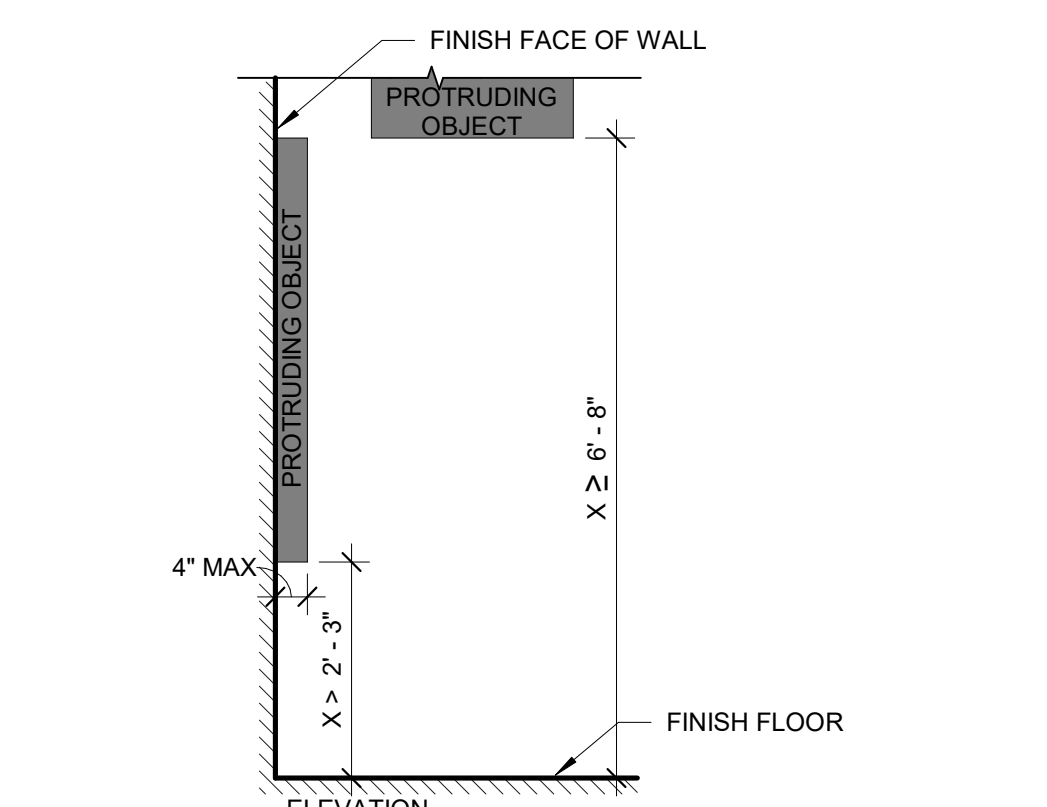
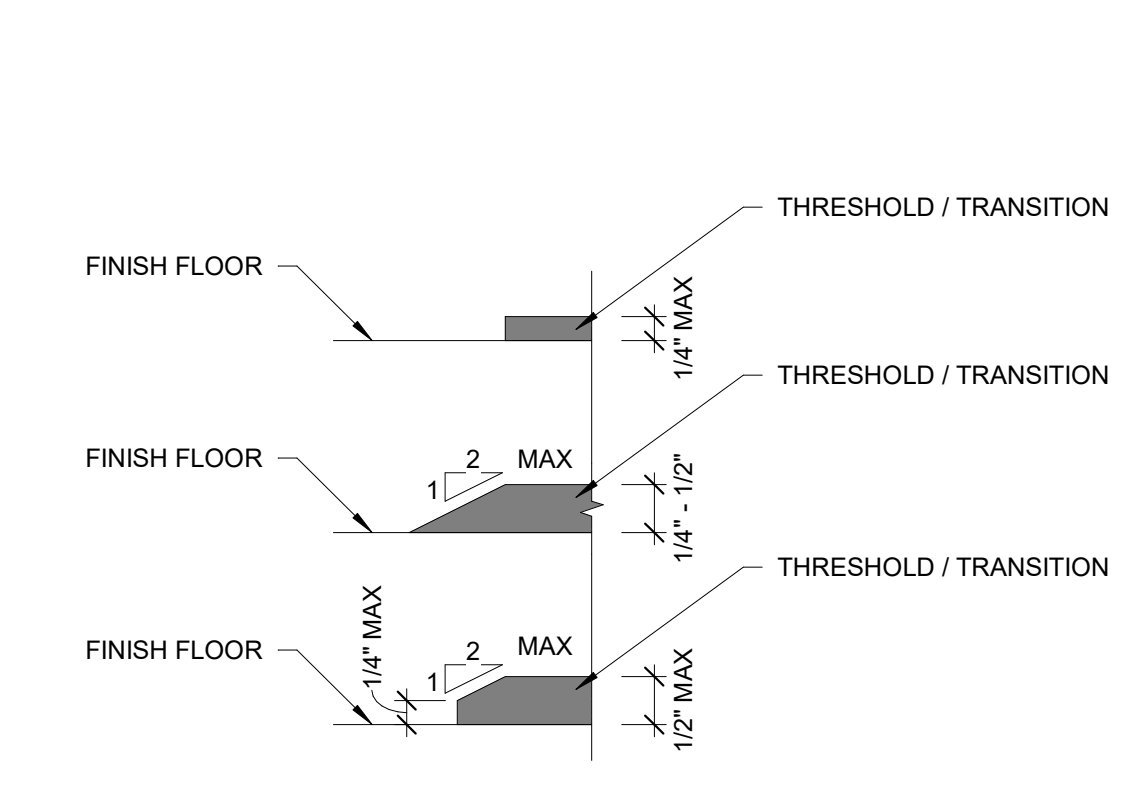
C5 TYP KNEE CLEARANCE
 1/2" = 1'-0"

C4 KNEE CLR. @ LAV
 1/2" = 1'-0"

C3 TOE CLEARANCE
 1/2" = 1'-0"

C2 TYP. SIGN ELEMENTS
 3" = 1'-0"

C1 ROOM NAME SIGNAGE
 3" = 1'-0"



D5 LEVEL CHANGE
 6" = 1'-0"

D4 VERTICAL CLEARANCE
 1/2" = 1'-0"

D3 ACCESS. SINK
 3/4" = 1'-0"

D1 GEOMETRIC SYMBOLS
 1 1/2" = 1'-0"



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CONSULTANT:

PROJECT NAME:

SEQUOIA ELEMENTARY SCHOOL

3333 ROSEMONT DR
 SACRAMENTO, CA 95826

REPLACEMENT TOILET BUILDING AND SECURITY FENCING

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

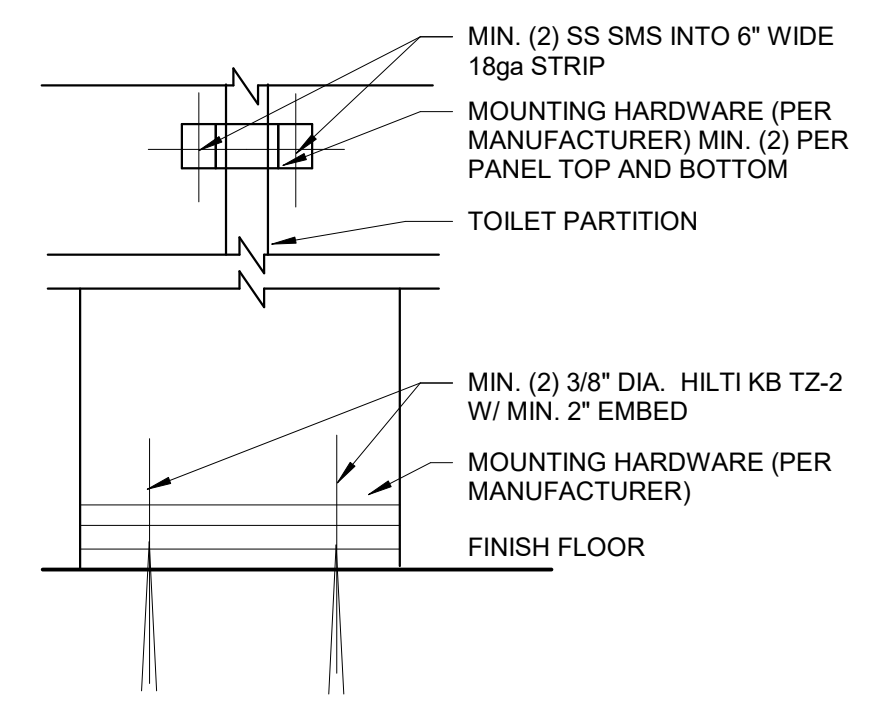
SACRAMENTO COUNTY

KEY PLAN:

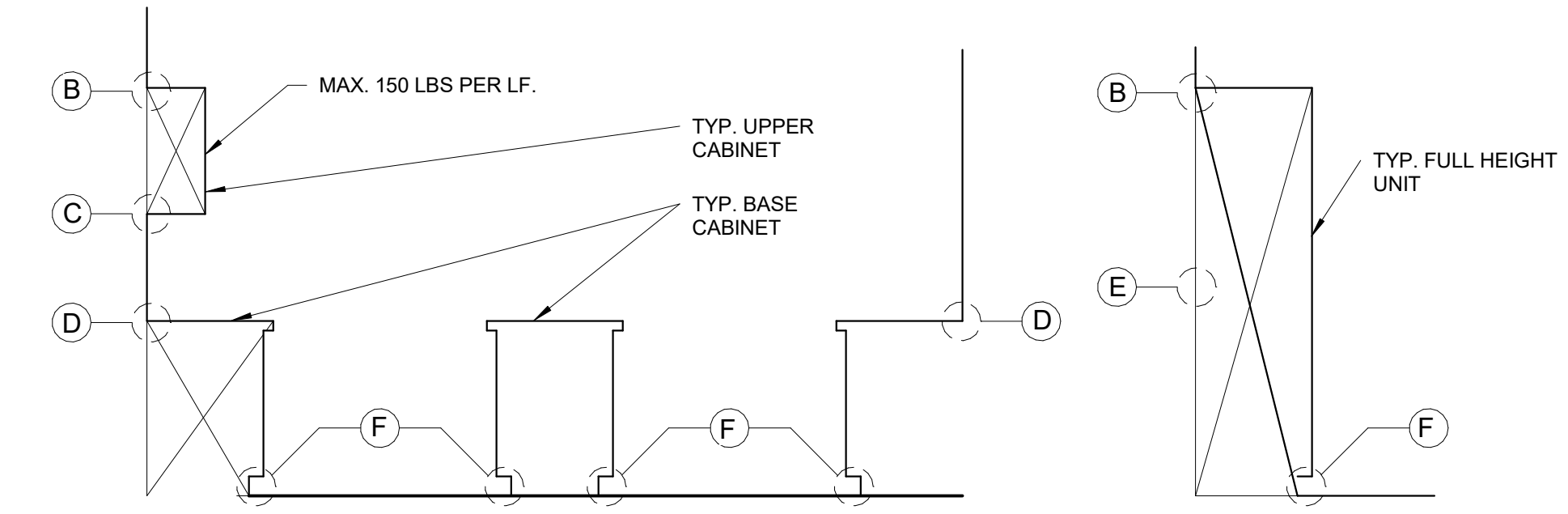
SHEET TITLE:
ACCESSIBILITY STANDARDS & MOUNTING HEIGHTS

JOB NUMBER: SHEET NUMBER:
 DATE: MAR 28, 2023
 REVISION:

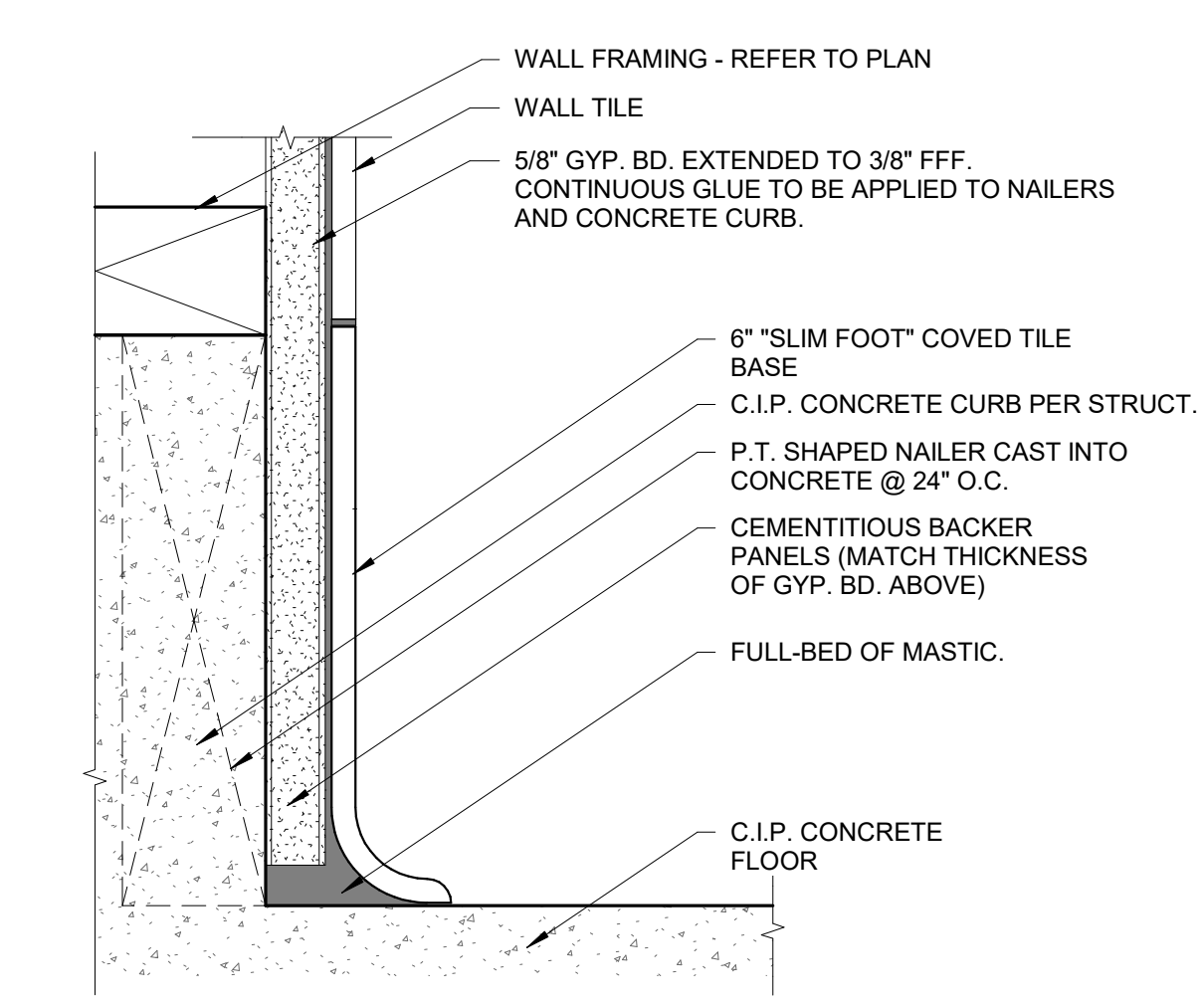
A591



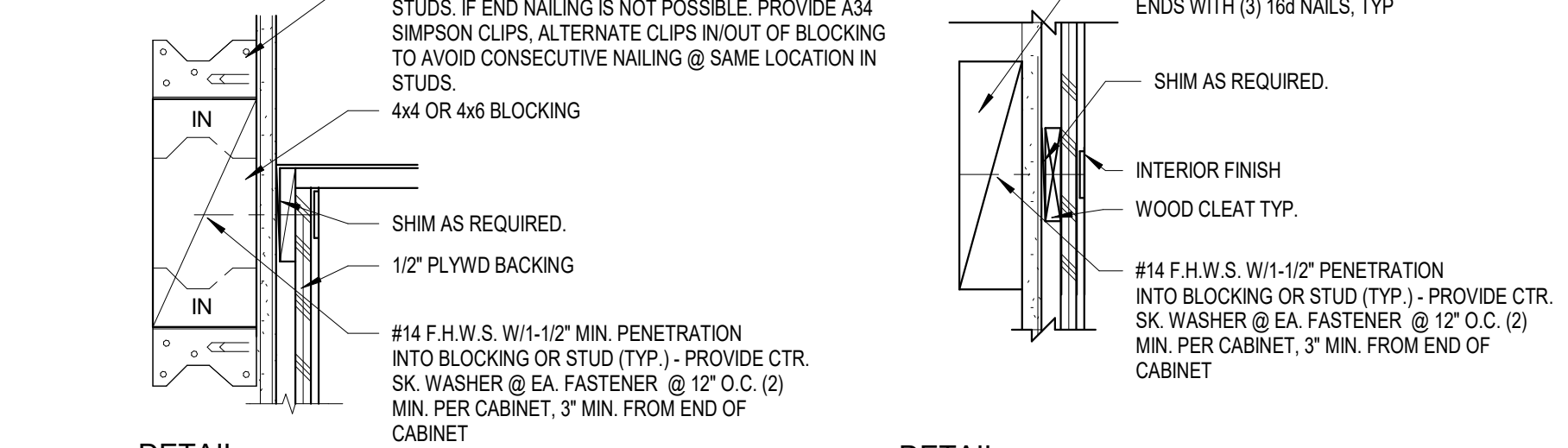
A3 TOILET PARTITION
 1 1/2" = 1'-0"



A NO SCALE

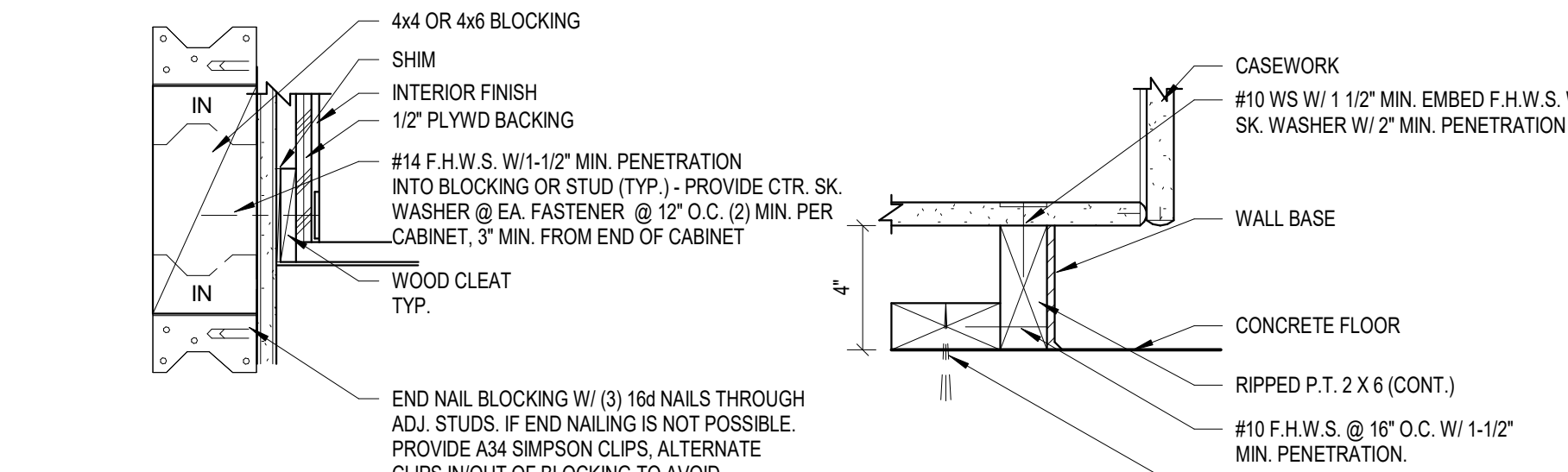


B3 COVERED TILE BASE AT RESTROOMS
 6" = 1'-0"



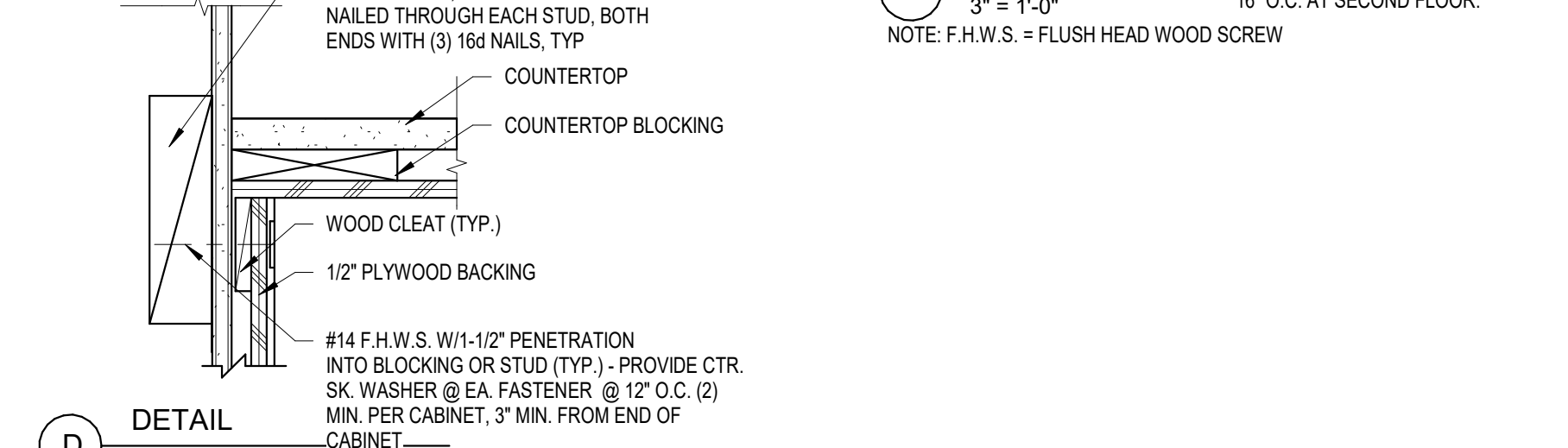
B 3" = 1'-0"

E 3" = 1'-0"



C 3" = 1'-0"

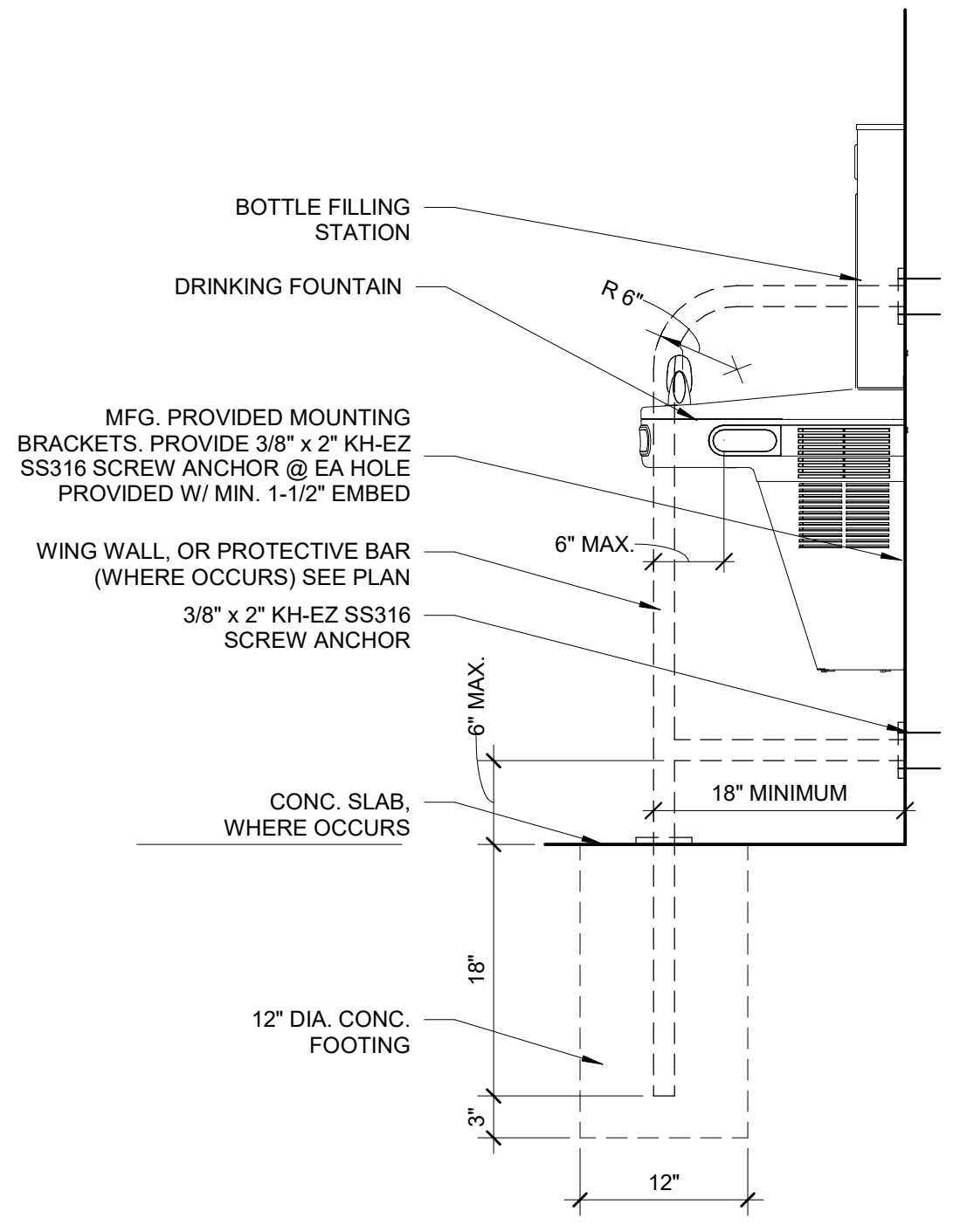
F 3" = 1'-0"



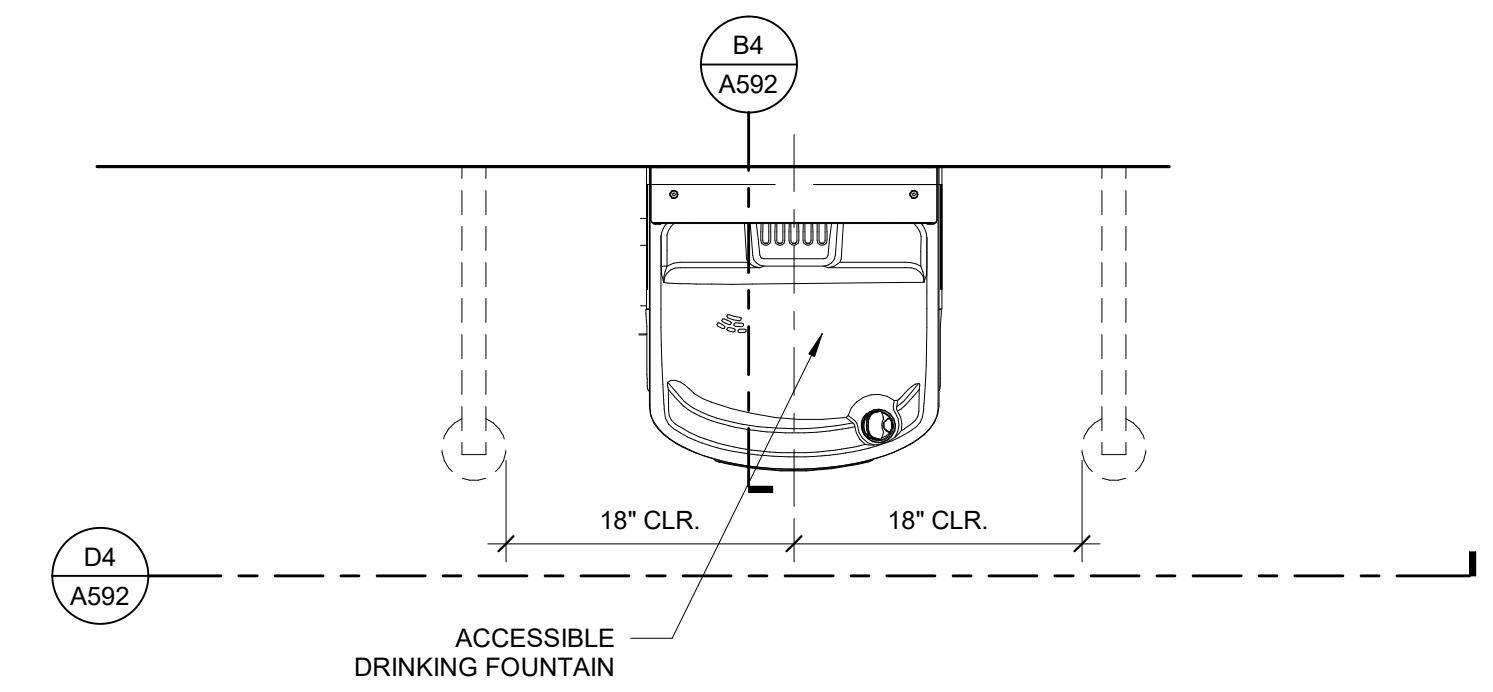
D 3" = 1'-0"

F 3" = 1'-0"

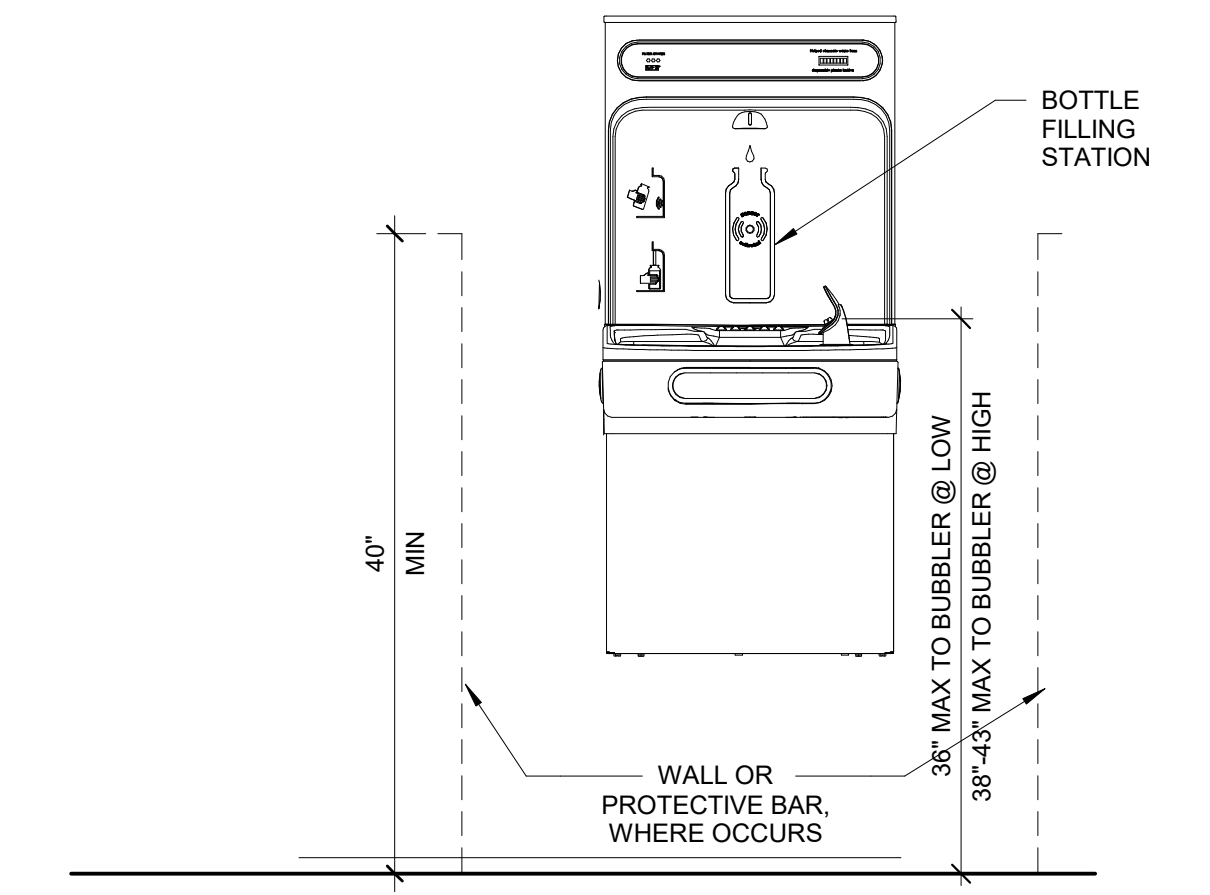
C1 ATTACHMENT DETAILS
 3" = 1'-0"



B4 DRINKING FOUNTAIN SECTION
 1" = 1'-0"



C4 DRINKING FOUNTAIN PLAN
 1" = 1'-0"



D4 DRINKING FOUNTAIN ELEVATION
 1" = 1'-0"

STRUCTURAL ABBREVIATIONS

AB	ANCHOR BOLTS	LFRS	LATERAL FORCE RESISTING SYSTEM
AC	ASPHALTIC CONCRETE	LLH	LONG LEG HORIZONTAL
AFF	ABOVE FINISH FLOOR	LLV	LONG LEG VERTICAL
BN	BOUNDARY NAILING	LP	LOW POINT
BEV	BEVELED	LS	LONG SCAM
BOC	BOTTOM OF CONCRETE	LT NT	LIGHT WEIGHT LAMINATED VENEER LUMBER
BOF	BOTTOM OF FOOTING	LVL	LIGHT WEIGHT LAMINATED VENEER LUMBER
CIP	CAST IN PLACE CONSTRUCTION	NIC	NOT IN CONTRACT
CJ	COMPLETE JOINT PENETRATION	NTS	NOT TO SCALE
CL	CENTER LINE	NSB	NON SHRINK GROUT
CMU	CONCRETE MASONRY UNIT	OC	ON CENTER
COL	CONCRETE CONNECTION	OD	OUTSIDE DIAMETER
CONC	CONCRETE	OSB	ORIENTED STRAND BOARD
CONN	CONNECTION	OSMS	OPEN WEB STEEL GIRDER
CONT	CONTINUOUS	OSMSJ	OPEN WEB STEEL JOIST
DF	DOUGLAS FIR	OH	OPPOSITE HAND
(E)	EXISTING	PCG	PRECAST CONCRETE
EF	EACH FACE	PSF	POUNDS PER SQUARE FOOT
EP	EACH WAY EXPANSION JOINT	PSI	POUNDS PER SQUARE INCH
EOS	EDGE OF SLAB	PT	PRESSURE TREATED
EN	EDGE NAILING	PK	PLYWOOD
ES	EACH SIZE	R	RADIUS
FA	FRAMING ANCHOR	SAD	SEE ARCHITECTURAL DRAWINGS
FD	FLOOR DRAIN	SDST	SELF DRILLING SELF TAPPING SIMILAR
FF	FINISH FLOOR	SCU	SLIP CONTROL JOINT
FLG	FLANGE	SLH	SHORT LEG
FN	FIELD NAILING	SLV	HORIZONTAL
FOC	FACE OF CONCRETE	SOG	SLAB ON GRADE
FOM	FACE OF MASONRY	SP	STRUCTURAL PLYWOOD
FOS	FACE OF STUD	SS	STAINLESS STEEL
GLB	GLUE LAMINATED BEAM	T24	TITLE 24 CALIFORNIA CODE
GM	GIRDER TRUSS	TOC	TOP OF CONCRETE
HAS	HEADED ANCHOR STUD	TOF	TOP OF FOOTING
HDG	HOT DIPPED GALVANIZED	TOF	TOP OF FRAMING
HP	HIGH POINT	TOP	TOP OF MASONRY
HSS	HIGH STRENGTH BOLT	TO, SLAB	TOP OF SLAB
HSS	HOLLOW STRUCTURAL SECTION	TOP	TOP OF STEEL
HT	HIP TRUSS	TOP	TOP OF WALL
ID	INSIDE DIAMETER	UNO	UNLESS NOTED OTHERWISE
IT	JACK TRUSS	MS	MATER STOP
		WVF	WELDED WIRE FABRIC
		WFJ	WEAKENED PLANE JOINT

TABLE No. 2304.10.1 FASTENING SCHEDULE

CONNECTION	FASTENING	LOCATION
1. BLKS. BTWN GLG. JOISTS TRUSSES OR RAFTERS TO TOP PLATE	3-8d COMMON (2 1/2"x0.131")	TOENAIL, EA END
2. CEILING JOISTS TO TOP PLATE	3-8d COMMON (2 1/2"x0.131")	TOENAIL, EA JOIST
3. CEILING JOISTS, LAPS OVER PARTITIONS (SEE SEC. 2308.7.3.1, TABLE 2308.7.3.1)	3-16d COMMON (3 1/2"x0.162")	FACE NAIL
4. CEILING JOISTS TO PARALLEL RAFTERS (SEE SEC. 2308.7.3.1, TABLE 2308.7.3.1)	SEE TABLE 2308.7.3.1	FACE NAIL
5. COLLARS TO RAFTER	3-10d COMMON (3"x0.148")	FACE NAIL
6. RAFTER OR ROOF TRUSS OR PLATE (SEE SEC. 2308.7.1.5, TABLE 2308.7.1.5)	3-10d COMMON (3"x0.148")	TOENAIL
7. JACK RAFTER TO HIP OR VALLEY OR ROOF RAFTER TO 2x RIDGE BEAM	3-16d COMMON (3 1/2"x0.162")	TOENAIL, END NAIL
8. STUD TO STUD	16d COMMON (3 1/2"x0.162")	FACE NAIL
9. BUILT-UP CORNER STUDS	16d COMMON (3 1/2"x0.162")	16" O.C. FACE NAIL
11. CONTINUOUS HEADER TO STUD	4-8d COMMON (2 1/2"x0.131")	TOENAIL
12. TOP PLATE TO TOP PLATE	16d COMMON (3 1/2"x0.162")	TYP. FACE NAIL
14. BOTT. PL. TO JOIST, RIM JOIST, BAND JOIST OR BLKG.	16d COMMON (3 1/2"x0.162") @ 16" O.C.	TYP. FACE NAIL
15. BOTT. PL. TO JOIST, RIM JOIST, BAND JOIST OR BLKG.	2-16d COMMON (3 1/2"x0.162") @ 16" O.C.	TYP. FACE NAIL
16. STUD TO TOP OR BOTTOM PLATE	4-8d COMMON (2 1/2"x0.131")	TOENAIL, END NAIL
17. TOP OR BOTTOM PLATE TO STUD	2-16d COMMON (3 1/2"x0.162")	END NAIL
18. TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS	2-16d COMMON (3 1/2"x0.162")	FACE NAIL
19. 1" DIA. BRACE TO EA. STUD AND PLATE	2-8d COMMON (2 1/2"x0.131")	FACE NAIL
21. 1"x8" AND WIDER SHEATHING TO EA. BEAKING	3-8d COMMON (2 1/2"x0.131")	FACE NAIL
22. JOIST TO SILL, TOP PLATE OR GIRDER	3-8d COMMON (2 1/2"x0.131")	TOENAIL
23. RIM JOIST/BAND JOIST, OR BLOCKING TO TOP PLATE, SILL OR FRMG	8d COMMON (2 1/2"x0.131") @ 6" O.C.	TOENAIL
24. 1"x6" SUBFLOOR OR LESS TO EA. JOIST	2-8d COMMON (2 1/2"x0.131")	FACE NAIL
25. 2" SUBFLOOR TO JOIST OR GIRDER	2-16d COMMON (3 1/2"x0.162")	FACE NAIL
26. 2" FLANKS	16d COMMON (3 1/2"x0.162") @ EA BEARING FACE NAIL	
27. BUILT-UP GIRDER AND BEAMS (2" LUMBER LAYERS)	20d COMMON (4"x0.192") @ 32" O.C.	FACE NAIL @ TOP & BOT STAGES, ON OPP. SIDES
28. LEDGER STRIP SUPPORTING JOIST OR RAFTERS	3-16d COMMON (3 1/2"x0.162")	FACE NAIL @ EA. JOIST OR RAFTER
29. JOIST TO BAND JOIST OR RIM JOIST	3-16d COMMON (3 1/2"x0.162")	TOENAIL, EA. END
30. BRIDGING OR BLOCKING TO JOIST OR STUD	2-8d COMMON (2 1/2"x0.131")	TOENAIL, EA. END
31. WOOD STRUCTURAL PANELS SUBFLOOR, ROOF AND WALL SHEATHING TO FRAMING AND PARTITION GLASSBOARD WALL SHEATHING TO FRAMING	1/2" AND LESS 8d COMMON 1/4" TO 3/4" 8d COMMON 7/8" TO 1 1/4" 10d COMMON	6" @ EDGES 12" @ INTERMEDIATE SUPPORTS
34. FIBERBOARD SHEATHING ^{CP}	3/4" OR LESS 8d COMMON 7/8" TO 1 1/4" 10d COMMON	
39. PANEL SIDING (TO FRAMING) ^C	1/2" OR LESS 8d COMMON 3/8" 8d COMMON	
42. INTERIOR PANELING	1/4" 4d CASING (1 1/2"x0.080") 3/8" 6d CASING (2"x0.094")	

- A. COMMON NAILS SHALL BE USED.
 B. FOR ITEMS 31-42 ALTERNATIVE NAILING IS ACCEPTABLE. SEE CBC TABLE 2304.10.1 FOR OPTIONS.
 C. NAILS SPACED AT 6" AT INTERMEDIATE SUPPORTS WHERE SPANS ARE 48" OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTION 2305. NAILS FOR WALL SHEATHING ARE PERMITTED TO BE COMMON, BOX OR CASING.
 D. SPACINGS SHALL BE 6" ON CENTER ON THE EDGES AND 12" ON CENTER AT INTERMEDIATE SUPPORTS FOR NONSTRUCTURAL APPLICATIONS. PANEL SUPPORTS AT 16" (20" IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED).
 E. WHERE A RAFTER IS FASTENED TO AN ADJACENT PARALLEL CEILING JOIST IN ACCORDANCE WITH THIS SCHEDULE AND THE CEILING JOIST IS FASTENED TO THE TOP PLATE IN ACCORDANCE WITH THIS SCHEDULE, THE NUMBER OF TOENAILS IN THE RAFTER SHALL BE PERMITTED TO BE REDUCED BY ONE NAIL.

ADHESIVE ANCHORS

HIT-RE 800-V3 EPOXY ADHESIVE ANCHOR
ICC ESR #3914 REISSUED 2021

REBAR/BOLT SIZE	MINIMUM EMBEDMENT ^A	MINIMUM CONCRETE THICKNESS	MAX EMBEDMENT	MINIMUM SPACING AND EDGE DISTANCE	PULL TEST VALUE AT MIN EMBEDMENT (LBS)	NORMAL WEIGHT CONCRETE (145 PCF)
#3 OR 3/8"	2 3/8"	3 5/8"	7 1/2"	1 7/8"	1600	
#4 OR 1/2"	2 3/4"	4"	10"	2 1/2"	2250	
#5 OR 5/8"	3 1/8"	4 5/8"	12 1/2"	3 1/8"	2900	
#6 OR 3/4"	3 1/2"	5 1/2"	15"	3 3/4"	3600	
#7 OR 7/8"	3 1/2"	5 1/2"	17 1/2"	4 3/8"	4000	
#8 OR 1"	4"	6 1/4"	20"	5"	4850	

- NOTES:
 1. MINIMUM FC = 2500 PSI.
 2. DESIGN BASED ON CRACKED CONCRETE.
 3. VALUES FOR REBAR - ASTM A618-GRADE 60 MIN.
 4. ASSUMES ALL HOLES TO BE DRILLED BY A HAMMER DRILL WITH A CARBIDE BIT.
 5. *FOR DEEPER EMBEDMENTS THE MINIMUM MEMBER THICKNESS MUST BE INCREASED BY THE SAME AMOUNT.
 6. PULL TEST VALUES FOR EMBEDMENTS GREATER THAN MIN ARE INDICATED IN PLANS.

EXPANSION ANCHORS

HILTI Kwik-Bolt-T2 2
ICC ESR #4266

SIZE	NOMINAL EMBEDMENT	MINIMUM CONCRETE THICKNESS	MINIMUM DISTANCE	TORQUE TEST VALUE (FT-LBS)	TORQUE TEST VALUE (STAINLESS STEEL) (FT-LBS)
1/4"	1 3/4"	3 1/4"	1 1/2"	4	6
3/8"	2 1/2"	4"	4 3/8"	30	30
1/2"	2 1/2"	4"	5 1/2"	50	40
5/8"	3 3/4"	5 1/2"	11 1/2"	40	60
3/4"	4 1/2"	6"	10"	110	125

- NOTES:
 1. MINIMUM FC = 2500 PSI.
 2. DESIGN BASED ON CRACKED CONCRETE.
 3. SPACING BETWEEN ANCHORS IS 12 DIAMETERS OR MORE.

WOOD:

- (SUBMIT SHOP DRAWINGS BEFORE FABRICATION OF GLU-LAM MEMBERS)
 ALL STRUCTURAL WOOD SHALL CONFORM WITH THE FOLLOWING SPECIFICATIONS:
 DOUGLAS FIR - LARCH
 WESTERN LUMBER GRADING RULES MMLFA ANS I A190 I ANS I 25 ANS I 11 U.S. PRODUCT STANDARD PS 1-01 FOR SOFT PLYWOOD.
 MINIMUM GRADES SHALL BE:
 STRUCTURAL FRAMING
 DFI#1
 MOISTURE CONTENT TO BE < 19% AT TIME OF CONSTRUCTION COMBINATION 24F-V4 FOR SIMPLE SPANS AND COMBINATION 24F-V8 FOR CANTILEVERS & CONTINUOUS CONDITIONS. ALL ROOF BEAMS SHALL HAVE 3000 FT RADIUS CAMBER AND WALL PLYWOOD, 15/32" AFA RATED STRUCT 1 SHEATHING, 5 PLY 32/16, EXPOSURE 1.
 STRUCTURAL PLYWOOD (UNO)
 ROOF PLYWOOD, 15/32" AFA RATED STRUCT 1 SHEATHING, 5 PLY, 32/16, EXPOSURE 1.
 WALLS SHALL HAVE DOUBLE TOP PLATES, LAPPED AT WALL & PARTITION INTERSECTION WITH 3-16d NAILS. SPLICE UPPER AND LOWER PLATES WITH NIN SPLICE AS SHOWN IN TYPICAL DETAIL. UNO
 PROVIDE SOLID BLKG BETWEEN JOISTS OR RAFTERS AT ALL SUPPORTS. CUTTING OF WOOD JOISTS SHALL BE LIMITED TO CUTS AND BORED HOLES NOT DEEPER THAN ONE-FIFTH THE JOIST DEPTH FROM THE TOP & LOCATED NOT FARTHER FROM THE END THAN THREE TIMES THE JOIST DEPTH. HOLES FOR BOLTS IN WOOD SHALL BE BORED WITH A BIT OF THE SAME NOMINAL DIAMETER AS THE BOLT & 1/16" ABOVE THE THREAD. HOLES FOR LAG SCREWS SHALL BE FIRST BORED TO THE SAME NOMINAL DIAMETER & DEPTH AS THE SHANK, THE REMAINDER OF THE HOLE SHALL BE BORED WITH A BIT OF THE SAME SIZE AS THE THREAD. LAG SCREWS AND WOOD SCREWS SHALL BE SCREWED AND NOT DRIVEN INTO PLACE. ALL BOLTS AND NUTS SHALL BE PROVIDED WITH METAL WASHERS UNDER HEADS & NUTS WHICH BEAR ON WOOD. APPLIES ALSO TO INSERTED EXPANDING FASTENERS - KWIK-BOLT, STRONG BOLT, ETC.
 ALL BOLT & LAG SCREWS SHALL BE TIGHTENED AT TIME OF INSTALLATION AND RE-TIGHTENED BEFORE CLOSING IN OR AT COMPLETION OF JOB.
 LAY ALL STRUCTURAL PLYWOOD ON ROOF AND FLOORS WITH FACE GRAIN PERPENDICULAR TO SUPPORTS.
 BLOCK SP JOISTS WITH 3" x 4" FLAT BLOCKING WHERE NOTED ON FRAMING PLANS AND WITH BLOCKING SAME SIZE AS STUDS AT WALLS.
 CROSS BRIDGING OR FULL DEPTH BLOCKING BETWEEN JOISTS OR RAFTERS 2X10 LARGER REQUIRED AT 8'-0" O.C. MAXIMUM.
 WHERE FRAMING HANGERS ARE REQUIRED & ARE NOT SHOWN ON SECTIONS, DETAILS OR PLANS THE FOLLOWING SIMPSON HANGERS SHALL BE USED. SLOPE SHOWN, TURN IN FLANGES & PROVIDE 1/2" FLANGE HANGERS AS REQD.
 2X & 3X MEMBERS - U HANGERS
 4X MEMBERS - HU HANGERS
 6X MEMBERS - MANUFACTURED JOIST HANGERS
 8X MEMBERS - BA HANGERS
 10X MEMBERS - LB HANGERS
 12X MEMBERS - LEB HANGERS
 4x & 6x POSTS - PCZ/PCZ POST CAPS
 ALL METAL HARDWARE SHALL BE MANUFACTURED BY SIMPSON STRONG TIE COMPANY. ALL ITEMS SHALL BE INSTALLED PER SIMPSON SPECIFICATIONS. FILL ALL HOLES OF METAL HARDWARE WITH SPECIFIED FASTENERS. UNO.
 WOOD MEMBERS
 CONTINUOUS BLOCKING
 NAILS FOR ALL STRUCTURAL FRAMING SHALL BE AS SPECIFIED BELOW.

STRUCTURAL NAILS

MARK	NAIL TYPE	DIA.	LENGTH
8d	8d COMM	0.131"	2 1/2"
10d	10d COMM	0.148"	3"
16d	16d COMM	0.162"	3 1/2"
20d	20d COMM	0.192"	4"

- ALL FASTENERS FOR PRESSURE-PRESERVATIVE TREATED & FIRE-RETARDANT TREATED WOOD SHALL BE HOT-DIPPED GALVANIZED OR STAINLESS STEEL.
 SILL BOLTS TO HAVE SQUARE STEEL WASHERS AS INDICATED IN TABLE ABOVE
 ALL WOOD MEMBERS IN DIRECT CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED. MATERIAL TREATED W/ ARSENIC CONTENT ARE NOT PERMITTED (CCA & ACA)
 MINIMUM FASTENING OF SHEATHING TO SUPPORTING MEMBERS SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON DRAWINGS.
 SHEATHING THICKNESS "t"
 t < 3/8" 8d @ 6" O.C. 8d @ 12" O.C.
 3/8" < t < 3/4" 10d @ 6" O.C. 10d @ 12" O.C.
 t < 3/8" #8 FLATHEAD SDS @ 6" O.C. #8 FLATHEAD SDS @ 12" O.C.
 3/8" < t < 3/4" #8 FLATHEAD SDS @ 6" O.C. #8 FLATHEAD SDS @ 12" O.C.

EXPANSION ANCHOR & ADHESIVE ANCHOR NOTES

- WHERE "EPOXY" OR "EXPANSION" ANCHORS ARE INDICATED IN DRAWINGS THESE NOTES & SCHEDULE SHALL APPLY.
 ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS GIVEN IN THE ICC REPORT.
 PERIODIC SPECIAL INSPECTION IS REQUIRED UNLESS NOTED OTHERWISE IN THESE DRAWINGS. VERIFICATION OF THE FOLLOWING IS REQUIRED DURING SPECIAL INSPECTION:
 A. ANCHOR TYPE AND DIMENSIONS.
 B. CONCRETE TYPE AND COMPRESSIVE STRENGTH.
 C. HOLE DIMENSIONS AND HOLE CLEANING PROCEDURES.
 D. ANCHOR SPACING, EDGE DISTANCES, CONCRETE/MASONRY THICKNESS, AND ANCHOR EMBEDMENT DEPTH.
 E. TIGHTENING TORQUE.
 F. COMPLIANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
 G. WHEN INSTALLING DRILLED IN ANCHORS IN EXISTING CONCRETE OR MASONRY, USE CARE & CAUTION TO AVOID CUTTING OR DAMAGING EXISTING REINFORCING BARS.
 ALL POST INSTALLED EXPANSION & ADHESIVE ANCHORS SHALL BE TESTED TO THE VALUES GIVEN IN THE SCHEDULE.
 EXEMPTIONS:
 a. SILL-BOLTING APPLICATIONS: 10% OF THE ANCHORS SHALL BE TESTED.
 b. NON STRUCTURAL APPLICATIONS: 50% OF THE ANCHORS SHALL BE TESTED.
 IF ANY ANCHOR FAILS TESTING, ALL ANCHORS OF THE SAME TYPE NOT PREVIOUSLY TESTED SHALL BE TESTED UNTIL 20 CONSECUTIVE ANCHORS PASS, THEN RESUME THE INITIAL TESTING FREQUENCY.
 THE TESTING OF THE ANCHORS SHALL BE DONE BY THE TESTING LABORATORY IN THE PRESENCE OF THE PROJECT INSPECTOR & A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO THE GOVERNING AGENCY AND ARCHITECT/STRUCTURAL ENGINEER.

CONCRETE AND REINFORCING STEEL:

- (SUBMIT REBAR SHOP DRAWINGS PRIOR TO FABRICATION)
 ALL CONSTRUCTION SHALL CONFORM TO ACI 318-14 AS MODIFIED BY CBC.
 THE MINIMUM 28 DAY STRENGTH AND TYPE OF CONCRETE SHALL BE AS FOLLOWS:
 SLAB ON GRADE 4000 PSI (50 PCF)
 TI BEAMS AND FOUNDATIONS 3000 PSI (50 PCF)
 GEMENT SHALL CONFORM TO ASTM C150-20, TYPE II - V.
 CONCRETE AGGREGATES:
 NATURAL SAND AND ROCK AGGREGATES SHALL CONFORM TO ASTM C39-18.
 REINFORCING SHALL CONFORM TO ASTM A618 - GRADE 60, UNO.
 WELDING OF REINFORCING STEEL SHALL CONFORM TO AWS D1.4-18 USING PROPER LOW HYDROGEN ELECTRODES. TACK WELDING TO REBAR IS STRICTLY PROHIBITED. SEE REBAR WELDING NOTE.
 REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND INSTALLED ACCORDING TO "MANUAL OF STANDARD PRACTICE OF REINFORCED CONCRETE CONSTRUCTION" BY THE CONCRETE RESEARCH AND DEVELOPMENT INSTITUTE (CRDI).
 WIRE FABRIC SHALL CONFORM TO ASTM A1064-18.
 DIMENSIONS SHOWN FOR LOCATION OF REINFORCING ARE TO THE FACE OF MAIN BARS AND INSTALL AND BY DETAILING THE FABRICATION AND INSTALLATION METHODS INTENDED FOR USE. DUPLICATION OF DESIGN DRAWINGS FOR THE PURPOSE OF SHOP DRAWINGS IS NOT ACCEPTABLE.
 SAFETY NOTE:
 IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS OF THE 'CONSTRUCTION SAFETY ORDERS' ISSUED BY THE STATE OF CALIFORNIA, LATEST EDITION, AND ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
 THE STRUCTURAL ENGINEER DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE DESIGN AND CONSTRUCTION OF ALL FORMS AND SHORING REQUIRED.
 CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB.
 CONTRACTOR SHALL NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DRAWINGS OR DOCUMENTS.
 CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE BUILDING THAT IS IN CONFLICT UNTIL SAID CONFLICT IS RESOLVED WITH THE ARCHITECT AND THE STRUCTURAL ENGINEER OF RECORD. THE COST OF THIS REVIEW WILL BE CHARGED TO THE SUBCONTRACTOR RESPONSIBLE FOR THE DESIGN. THIS FEE MUST BE RECEIVED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO THE COMPLETION OF THIS TASK.
 NO PIPES OR DUCTS SHALL BE PLACED IN CONCRETE SLABS OR WALLS UNLESS SPECIFICALLY DETAILED.
 REFER TO ARCHITECTURAL, STRUCTURAL, CIVIL, ELECTRICAL, AND MECHANICAL DRAWINGS FOR ALL MOULD, GROOVES, ORNAMENTS, CLIPS AND GROUNDS TO BE CAST IN CONCRETE.
 CONSTRUCTION JOINTS SHALL BE MADE ROUGH AND ALL LAITANCE REMOVED FROM THE SURFACE. CONCRETE MAY BE ROUGHENED BY CHIPPING THE ENTIRE SURFACE, SANDBLASTING OR HOISING THE SURFACE 4 TO 6 HOURS AFTER THE CONCRETE HAS SET.
 REMOVE ALL DEBRIS FROM THE FORMS BEFORE PLACING ANY CONCRETE.
 REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE SHALL BE SECURELY POSITIONED BEFORE PLACING CONCRETE. OBTAIN APPROVAL OF ALL AFFECTED TRADES PRIOR TO PLACING CONCRETE.
 MAXIMUM FREE FALL OF CONCRETE SHALL BE 4'-0".
 WALLS SHALL BE PLACED IN HORISZONAL LAYERS OF 3'-0" MAX DEPTH.
 NO WOOD SPREADERS ALLOWED. NO WOOD STAKES ALLOWED IN AREAS TO BE COVERED BY CONC.
 CONCRETE MIX DESIGN SHALL BE PREPARED PER CBC CHAPTER 19 AND REVIEWED BY THE STRUCTURAL ENGINEER AT LEAST 3 WORKING DAYS PRIOR TO PLACEMENT.
 WELDED WIRE FABRIC SHALL BE LAF SPACED TWO SQUARES MIN. EACH DIRECTION.
 NOTIFY THE STRUCTURAL ENGINEER 48 HOURS PRIOR TO PLACING CONCRETE.
 CONTRACTOR TO SUBMIT PROPOSED CONCRETE AND CONSTRUCTION JT LOCATION TO STRUCTURAL ENGINEER PRIOR TO CONCRETE POUR. SPACING SHALL BE BETWEEN 24 AND 30 TIMES THE SLAB THICKNESS MAXIMUM.

PREFABRICATED WOOD FRAMING MEMBERS

- (SHOP DRAWINGS TO BE SUBMITTED PRIOR TO FABRICATION)
 1. PREFABRICATED MEMBERS IDENTIFIED HEREIN ARE BASED ON PRODUCTS MANUFACTURED BY SIMPSON STRONG TIE COMPANY. SUBSTITUTIONS OF ALTERNATE PRODUCTS SHALL HAVE EQUAL OR GREATER PROPERTIES AND CAPACITIES AND MUST HAVE ALL APPROPRIATE APPROVALS.
 2. MEMBERS INDICATED AS 'LVL', 'LSL', OR 'PSL' SHALL MEET MINIMUM PROPERTIES AS SET OUT BELOW.
 LVL: E = 2,026 PSI LSL: E = 1,556 PSI PSL: E = 2,026 PSI
 Fv = 250 PSI Fv = 225 PSI Fv = 250 PSI
 Fv = 285 PSI Fv = 525 PSI Fv = 240 PSI
 3. FULL DEPTH BLOCKING REQUIRED BETWEEN RAFTERS OR JOISTS AT ALL SUPPORTS.

STRUCTURAL SITE OBSERVATION

- FOR STRUCTURES INCLUDED IN SEISMIC DESIGN CATEGORIES D, E AND F (CBC 1618A), THE STRUCTURAL ENGINEER SHALL PERFORM STRUCTURAL OBSERVATIONS OF THE STRUCTURAL SYSTEMS FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS (CBC104A). THE FOLLOWING CONSTRUCTION STAGES REQUIRE STRUCTURAL OBSERVATION:
 FOUNDATION REINFORCEMENT, RETAINING WALL REINFORCEMENT AND HARDWARE PLACEMENT
 LATERAL SHEAR ELEMENTS (STEEL BRACED FRAMES, DIAPHRAGM, ALTERNATIVE LATERAL SYSTEMS)
 FINAL FRAMING
 SEOR OR HIS DESIGNATED ENGINEER SHALL BE NOTIFIED BY CONTRACTOR 48 HOURS PRIOR TO SITE OBSERVATION. SEOR OR HIS DESIGNATED ENGINEER SHALL OBSERVE CONSTRUCTION OF EA BUILDING.

SPECIAL INSPECTION

- A. REFER TO APPROVED DSA TEST & INSPECTION FORM FOR REQUIRED INSPECTIONS. ALSO SEE CURRENT CBC SECTION 1704-A.
 B. SEOR SHALL PREPARE A STATEMENT OF SPECIAL INSPECTION IN ACCORDANCE WITH SECTION 1704-A CBC FOR SUBMITTAL.

STRUCTURAL TESTING AND INSPECTION PROGRAM:

- ALL STRUCTURAL TEST AND INSPECTIONS SHALL COMPLY WITH ALL REQUIREMENTS AS STATED IN CBC CHAPTER 17A.
 ALL TESTS AND INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT AGENCY EMPLOYED BY THE OWNER OR ARCHITECT OF RECORD ACTING AS THE OWNER'S AGENT, BUT NOT THE CONTRACTOR OR ANY OTHER PERSON RESPONSIBLE FOR WORKMANSHIP.
 TESTING LABORATORY SHALL PROVIDE SPECIAL INSPECTION DURING CONSTRUCTION, COMPLYING WITH CBC SECTION 1704-A. TESTING LABORATORY SHALL FURNISH COPIES OF TEST RESULTS AND FINAL INSPECTION REPORTS TO THE STRUCTURAL ENGINEER OF RECORD IN ADDITION TO OTHER NORMAL DISTRIBUTION WITHIN ONE WEEK OF TEST AND INSPECTION.
 CONSTRUCTION INSPECTIONS SHALL BE COORDINATED WITH PROJECT SOIL ENGINEER AND SHALL COMPLY WITH ALL REQUIREMENTS OF THE CALIFORNIA BUILDING CODE, INCLUDING BUT NOT LIMITED TO, CBC CHAPTER 18A AND CHAPTER 33.
 FOR TESTING AND INSPECTION FORM (DSA-103), SEE SPECIFICATIONS.

NOTE REGARDING STRUCTURAL DRAWINGS

THE STRUCTURAL DRAWINGS SHOW ONLY THE BASIC STRUCTURAL FRAMING. REFER TO ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR NON-STRUCTURAL ITEMS INCLUDING NONSTRUCTURAL WALLS, WHICH REQUIRE SPECIAL PROVISIONS DURING CONSTRUCTION. ONLY OPENINGS REQUIRING SPECIAL FRAMING ARE SHOWN ON STRUCTURAL PLANS. SEE TYPICAL DETAILS FOR REINFORCING AROUND NOMINAL OPENINGS NOT SHOWN.

ITEMS EXEMPT FROM DSA STRUCTURAL TEST/SPECIAL INSPECTION:

- EPOXY SHEAR DOWELS IN FLATWORK AND/ OR OTHER NON-STRUCTURAL CONCRETE.
 MANUFACTURED SUPPORT FRAMES AND CURBS USING HOT ROLLED OR COLD-FORMED STEEL (e.g. 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 ITEMS) FOR SECTIONS 19.1, 19.1, AND 19.2 OF LISTING ABOVE).
 MANUFACTURED COMPONENTS (e.g. TOLCO, B-LINE, AFGON, ETC.) FOR MECHANICAL, ELECTRICAL, OR PLUMBING HANGER SUPPORT CONNECTIONS OF SUCH COMPONENTS TO SUPERSTRUCTURE ELEMENTS USING WELDING WILL REQUIRE SPECIAL INSPECTION AS NOTED IN SELECTED ITEMS) FOR SECTIONS 19.1, 19.1, AND 19.2 OF LISTING ABOVE).
 SELECTED ITEMS) FOR SECTIONS 19.1, 19.1, AND 19.2 OF LISTING ABOVE).
 TV BRACKETS, PROJECTOR MOUNTS WITH A VALID LISTING (SEE DSA 19.1-A) 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 ITEMS) FOR SECTIONS 19.1, 19.1, AND 19.2 LOCATED IN THE STEEL/ALUMINUM CATEGORY).
 ANY SUPPORT FOR EXEMPT NON-STRUCTURAL COMPONENTS GIVEN IN CBC SECTION 1617A.1(B) (WHICH REPLACES ASCE 7-16, SECTION 19.1.4) MEETING THE FOLLOWING:
 A. WHEN SUPPORT ON A FLOOR/ROOF, 400# AND RESULTING COMPOSITE CENTER MASS (INCLUDING COMPONENTS CENTER OF MASS) 5'4" ABOVE SUPPORTING FLOOR/ROOF.
 B. WHEN HUNG FROM A WALL OR ROOF/FLOOR, 20# FOR DISCRETE UNITS OR 3 PLF FOR DISTRIBUTED SYSTEMS.

TYPICAL NOTES
 APPLICABLE TO ALL DRAWINGS UNLESS NOTED OR SHOWN OTHERWISE

GENERAL NOTES:

- CONSTRUCTION SHALL CONFORM TO THE 2022 CALIFORNIA BUILDING CODE, CBC.
 NOTES AND DETAILS ON TYPICAL SHEETS SHALL APPLY UNLESS OTHERWISE SHOWN OR NOTED ON PLANS.
 CONTRACTOR SHALL NOT SCALE DRAWINGS FOR SIZES, LENGTHS, CLEARANCES, ETC. DETAILS OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF THE SAME NATURE AS SHOWN FOR A SIMILAR CONDITION.
 PRIOR TO FABRICATION, SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE STRUCTURAL ENGINEER ON ALL STRUCTURAL STEEL, REINFORCING STEEL, GLUE-LAMINATED BEAMS, CONCRETE MIX PROPORTIONS. SHOP DRAWINGS, SHOP DRAWING SUBMITTALS PROCESSED BY THE ENGINEER ARE NOT CHANGE ORDERS AND THE PURPOSE OF SHOP DRAWING SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE ENGINEER THAT THE CONTRACTOR UNDERSTANDS THE DESIGN CONCEPT BY INDICATING WHICH MATERIAL HE INTENDS TO FURNISH AND INSTALL AND BY DETAILING THE FABRICATION AND INSTALLATION METHODS INTENDED FOR USE. DUPLICATION OF DESIGN DRAWINGS FOR THE PURPOSE OF SHOP DRAWINGS IS NOT ACCEPTABLE.
 SAFETY NOTE:
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DESIGN LOADS:

CODE: 2022 CALIFORNIA BUILDING CODE (CBC)

LIVE LOADS:

ROOF 20.0 PSF (REDUCIBLE)

WIND:

TYPICAL DETAILS

APPLICABLE TO ALL DRAWINGS UNLESS NOTED OR SHOWN OTHERWISE

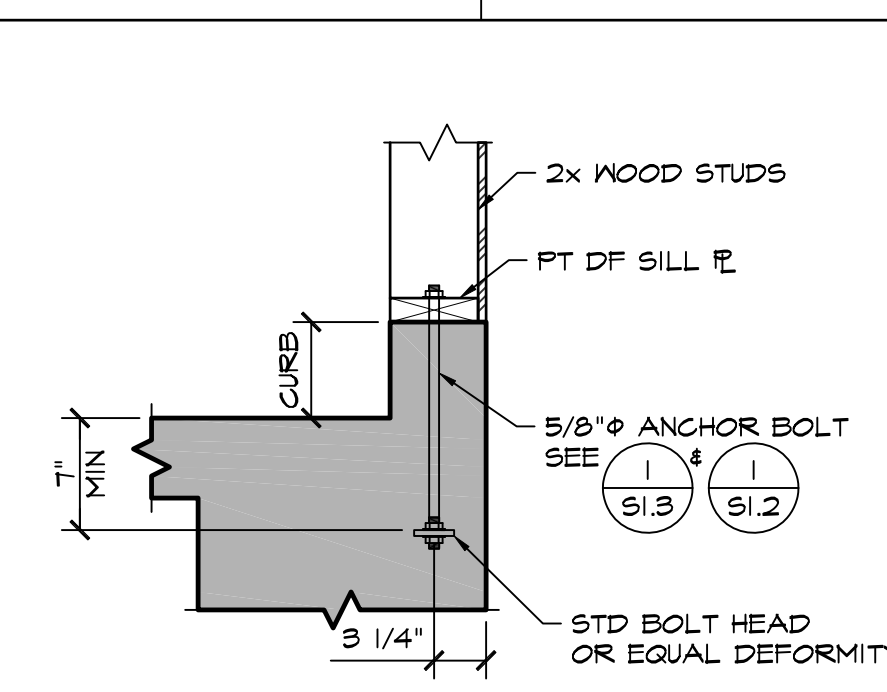
BAR SIZE	90° HOOK		180° HOOK		135° HOOK	
	LENGTH 'L'	INSIDE DIA. 'D1'	LENGTH 'L'	INSIDE DIA. 'D2'	LENGTH 'L'	INSIDE DIA. 'D2'
#3	4 1/2"	2 1/4"	2 1/2"	3"	1 1/2"	3"
#4	6"	3"	2 1/2"	3"	2"	3"
#5	7 1/2"	3 3/4"	2 1/2"	3 3/4"	2 1/2"	3 3/4"
#6	9"	4 1/2"	3"	4"	4 1/2"	4 1/2"
#7	10 1/2"	5 1/4"	3 1/2"	10 1/2"	5 1/4"	5 1/4"
#8	1'-0"	6"	4"	1'-0"	6"	6"
#9	1'-1 1/2"	6 1/2"	4 1/2"	-	-	-
#10	1'-3 1/4"	10 3/4"	5 1/4"	-	-	-
#11	1'-5"	1'-0"	5 3/4"	-	-	-

STANDARD HOOKS

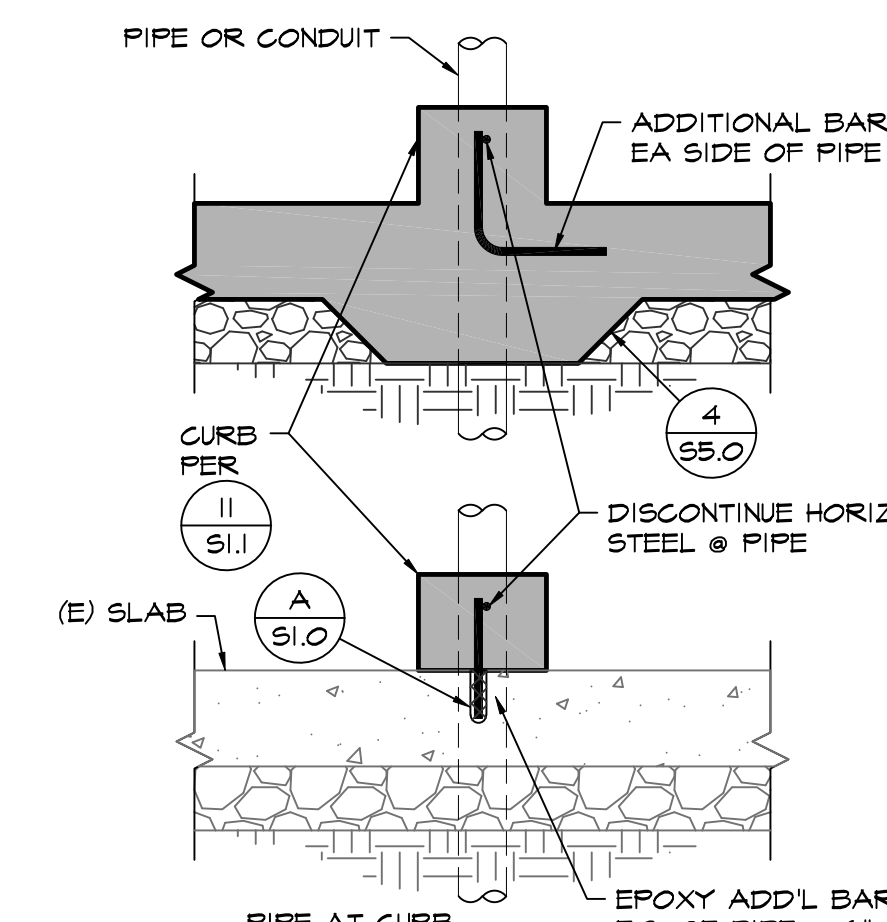
1" = 1'-0"

CONCRETE STRENGTH	F _c = 3000 PSI				F _c = 4000 PSI			
	CLASS 'A'	CLASS 'B'	CLASS 'A'	CLASS 'B'	CLASS 'A'	CLASS 'B'	CLASS 'A'	CLASS 'B'
BAR SIZE	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	1'-0"	1'-5"	2'-4"	1'-0"	1'-7"	2'-1"	2'-1"	1'-7"
#4	2'-5"	1'-10"	3'-1"	2'-5"	2'-1"	1'-7"	2'-1"	2'-1"
#5	3'-0"	2'-4"	3'-1"	3'-0"	2'-7"	2'-0"	3'-5"	2'-7"
#6	3'-7"	2'-4"	4'-8"	3'-7"	3'-1"	2'-5"	4'-1"	3'-1"
#7	5'-3"	4'-0"	6'-4"	5'-2"	4'-6"	3'-6"	5'-1"	4'-6"
#8	6'-0"	4'-7"	7'-4"	6'-0"	5'-2"	4'-0"	6'-4"	5'-2"
#9	6'-4"	5'-2"	8'-4"	6'-4"	5'-10"	4'-6"	7'-1"	5'-10"
#10	7'-7"	5'-10"	9'-10"	7'-7"	6'-7"	5'-1"	8'-6"	6'-7"
#11	8'-5"	6'-6"	10'-1"	8'-5"	7'-5"	5'-7"	9'-5"	7'-5"

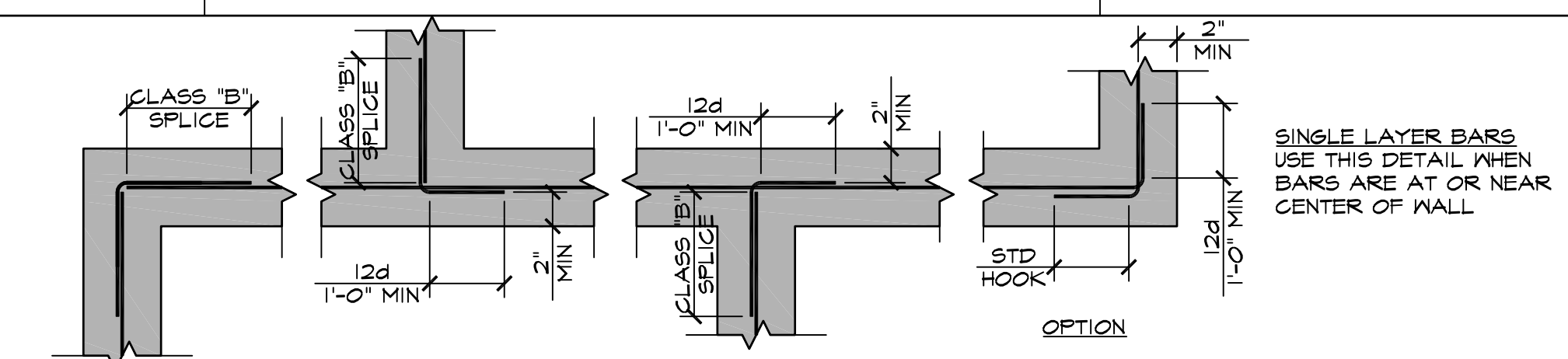
- NOTES:
- UNLESS INDICATED OTHERWISE, USE CLASS 'B' LAP SPLICE LENGTHS, MULTIPLIED BY THE APPLICABLE FACTORS LISTED BELOW.
 - WHERE THE CLEAR SPACING OF BARS BEING SPICED IS LESS THAN 2 BAR DIAMETERS, INCREASE THE LAP LENGTH BY 50%.
 - WHERE THE BAR COVER IS LESS THAN OR EQUAL TO THE BAR DIAMETER, INCREASE THE LAP LENGTH BY 50%.
 - A CLASS 'A' SPLICE MAY BE USED ONLY WHERE NOTED ON THE DRAWINGS, WHERE DEVELOPMENT LENGTH (L_d) IS REQUIRED OR CALLED OUT ON THE DRAWINGS, USE CLASS 'A' LAP SPLICE LENGTHS.
 - TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
 - LAP SPLICE LENGTHS IN TABLE ARE FOR NORMAL WEIGHT CONCRETE. WHERE LIGHTWEIGHT AGGREGATE CONCRETE IS USED, INCREASE LAP SPLICE LENGTH BY 30%.
 - SPLICES OF HORIZONTAL REINFORCEMENT IN WALLS SHALL BE STAGGERED.
 - SPLICES OF HORIZONTAL REINFORCEMENT IN WALLS CONTAINING TWO CURTAINS OF REINFORCEMENT SHALL NOT OCCUR IN THE SAME LOCATION.



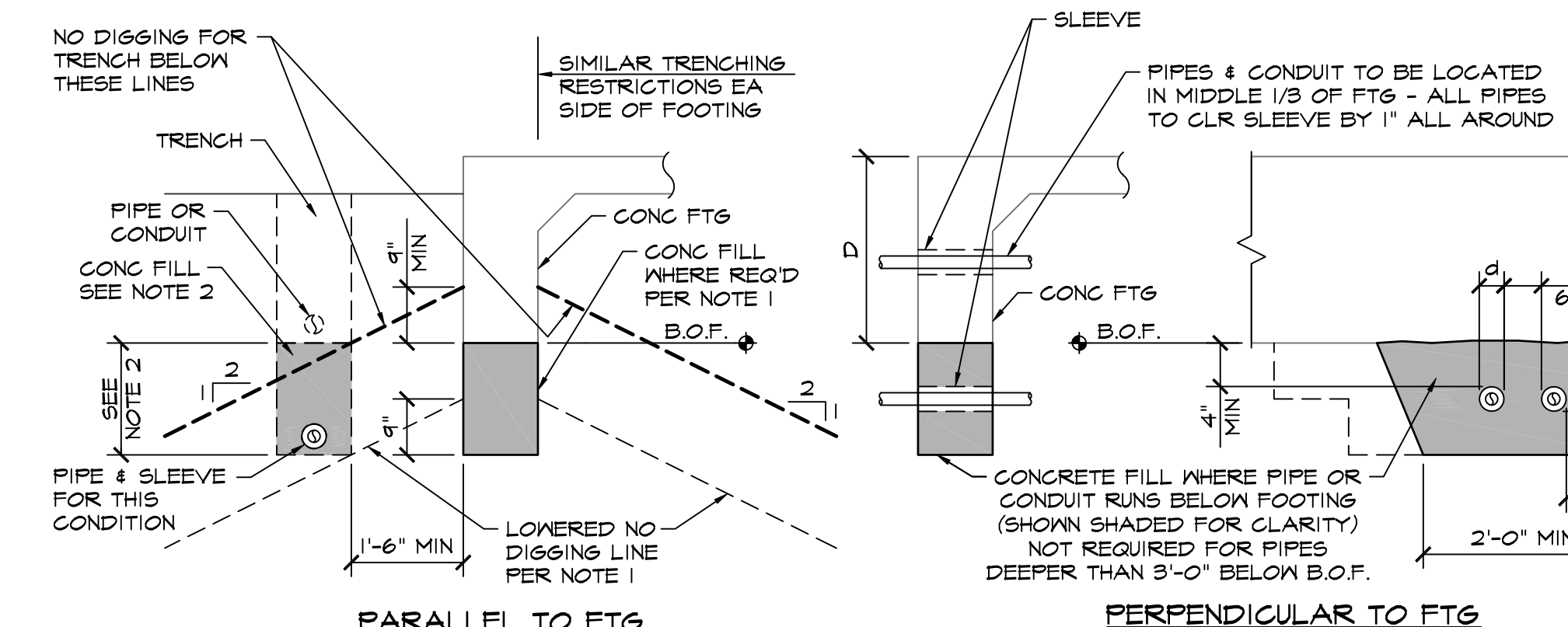
ANCHOR BOLT PLACEMENT DETAIL
 1" = 1'-0" CONC44



PIPE AT CURB DETAIL
 1" = 1'-0" CONC44



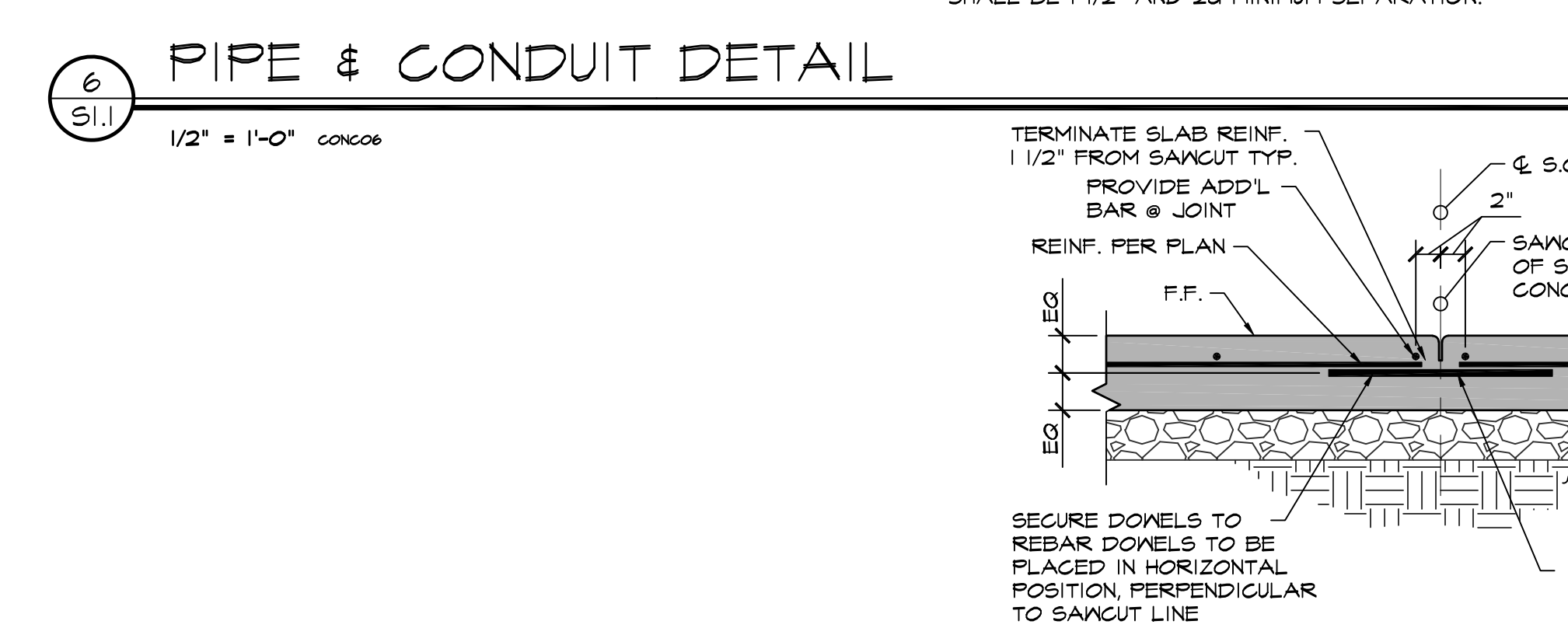
WALL & FOOTING REINFORCING SPLICES
 1/2" = 1'-0" CONC44



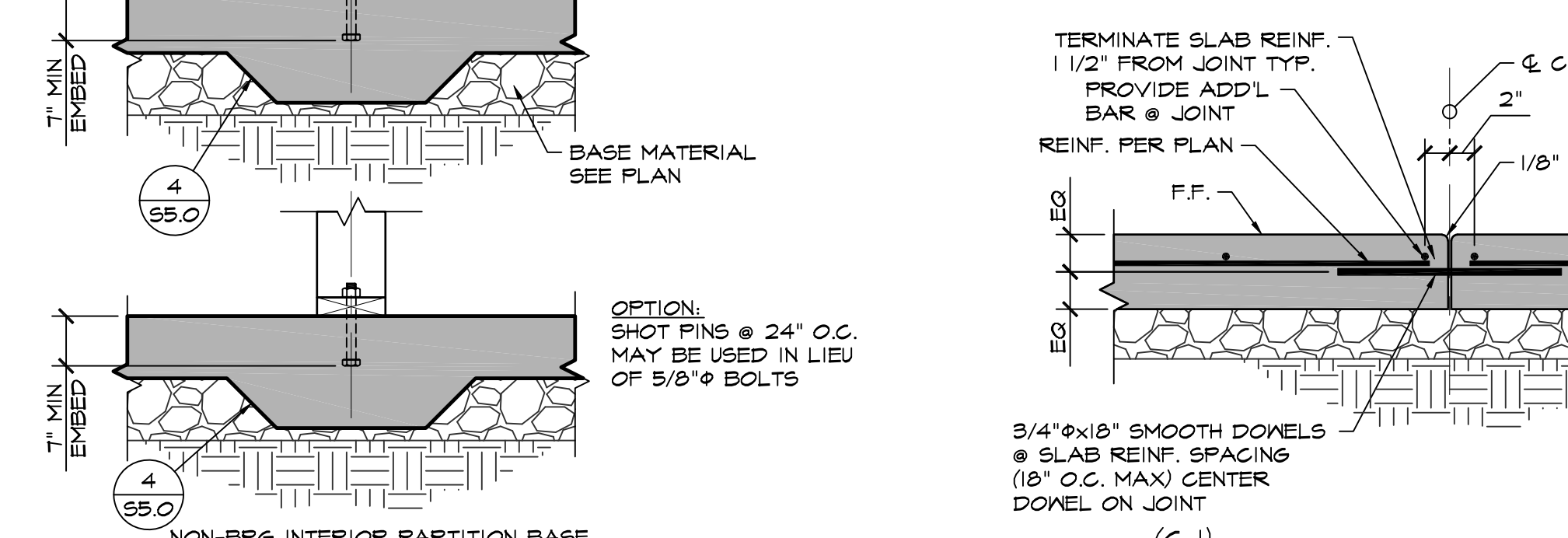
PIPE & CONDUIT DETAIL
 1/2" = 1'-0" CONC44



PIPE AT CURB DETAIL
 1" = 1'-0" CONC44



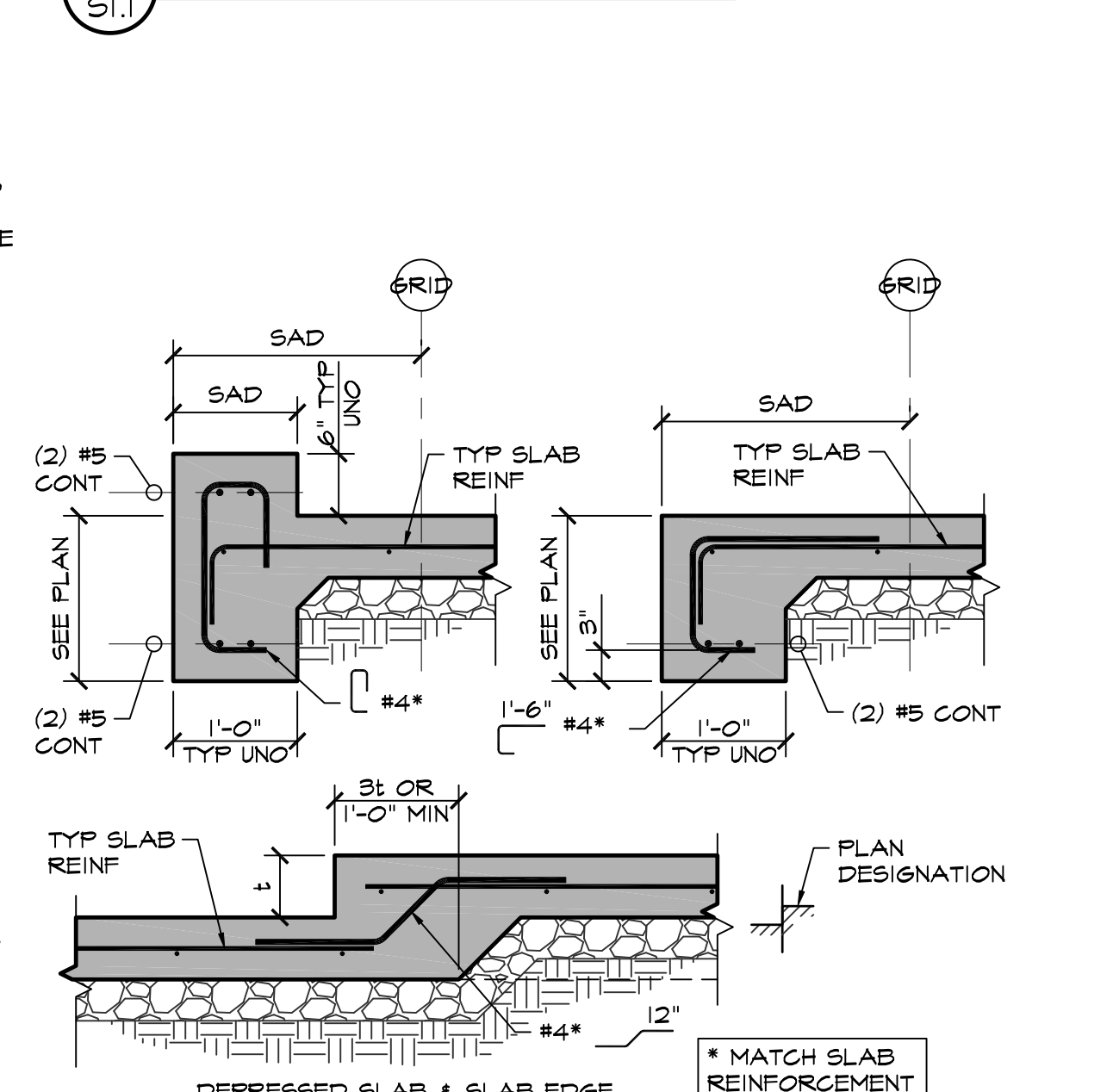
SLIP CONTROL JOINT
 1" = 1'-0" CONC24



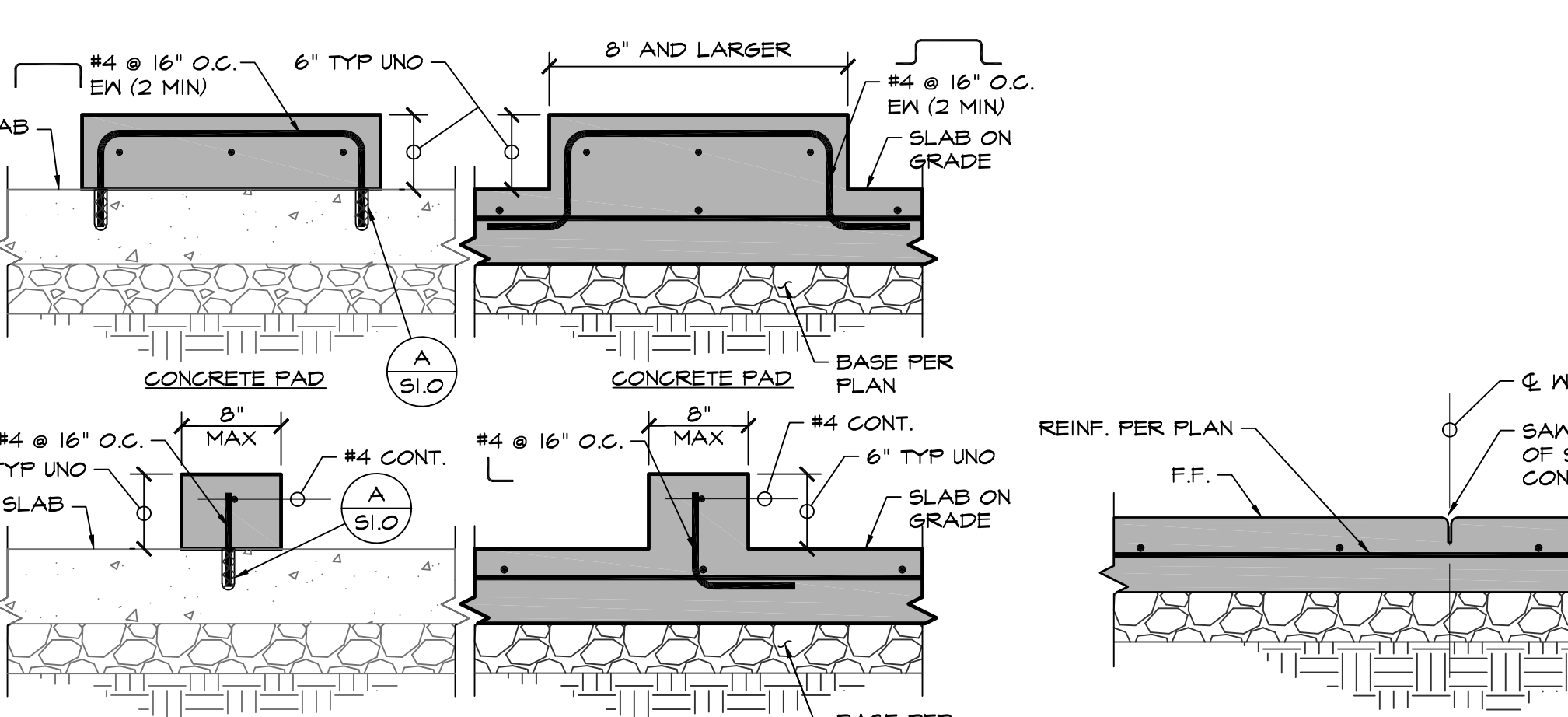
CONSTRUCTION JOINT
 1" = 1'-0" CONC28

REBAR OFFSET & LAP SPLICES

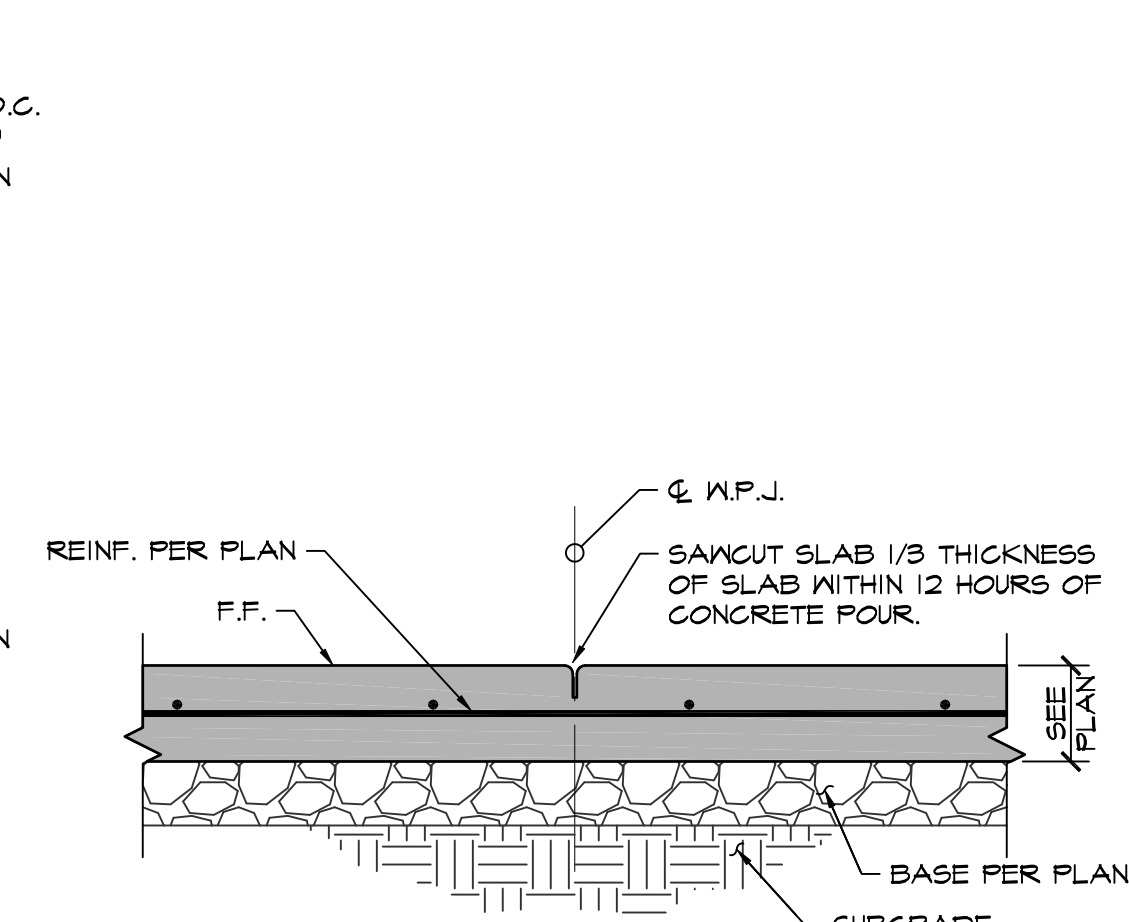
1" = 1'-0"



DETAIL
 3/4" = 1'-0" CONC01



DETAIL & OPTION
 1" = 1'-0" CONC44



WEAKENED PLANE JOINT
 1" = 1'-0" CONC28



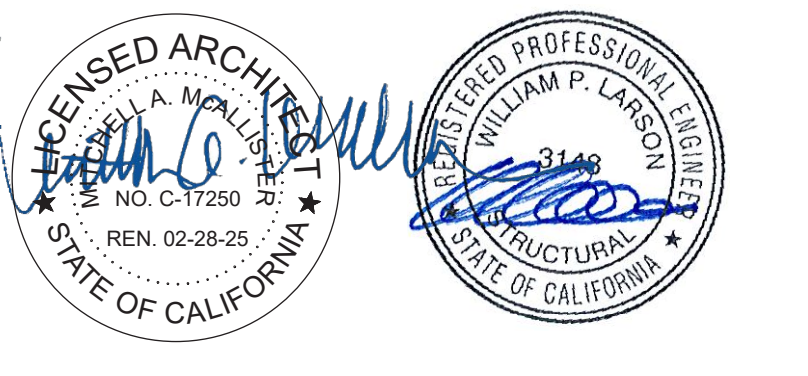
NOT USED
 1" = 1'-0"



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 Web Page: ca-dw.com

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ARCHITECT: CONSULTANT:



POINT 2 STRUCTURAL ENGINEERS, INC.
 3701 BUSINESS DR SUITE 00
 SACRAMENTO, CA. 95820
 (916) 452-1500
 (916) 452-8212 (FAX)

PROJECT NAME:
SEQUOIA ELEMENTARY SCHOOL

3333 ROSEMONT DR
 SACRAMENTO, CA 95826

TOILET BUILDING REPLACEMENT

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

SACRAMENTO COUNTY

KEY PLAN:

SHEET TITLE:
TYPICAL DETAILS

JOB NUMBER:
 2022-081

SHEET NUMBER:
S1.1

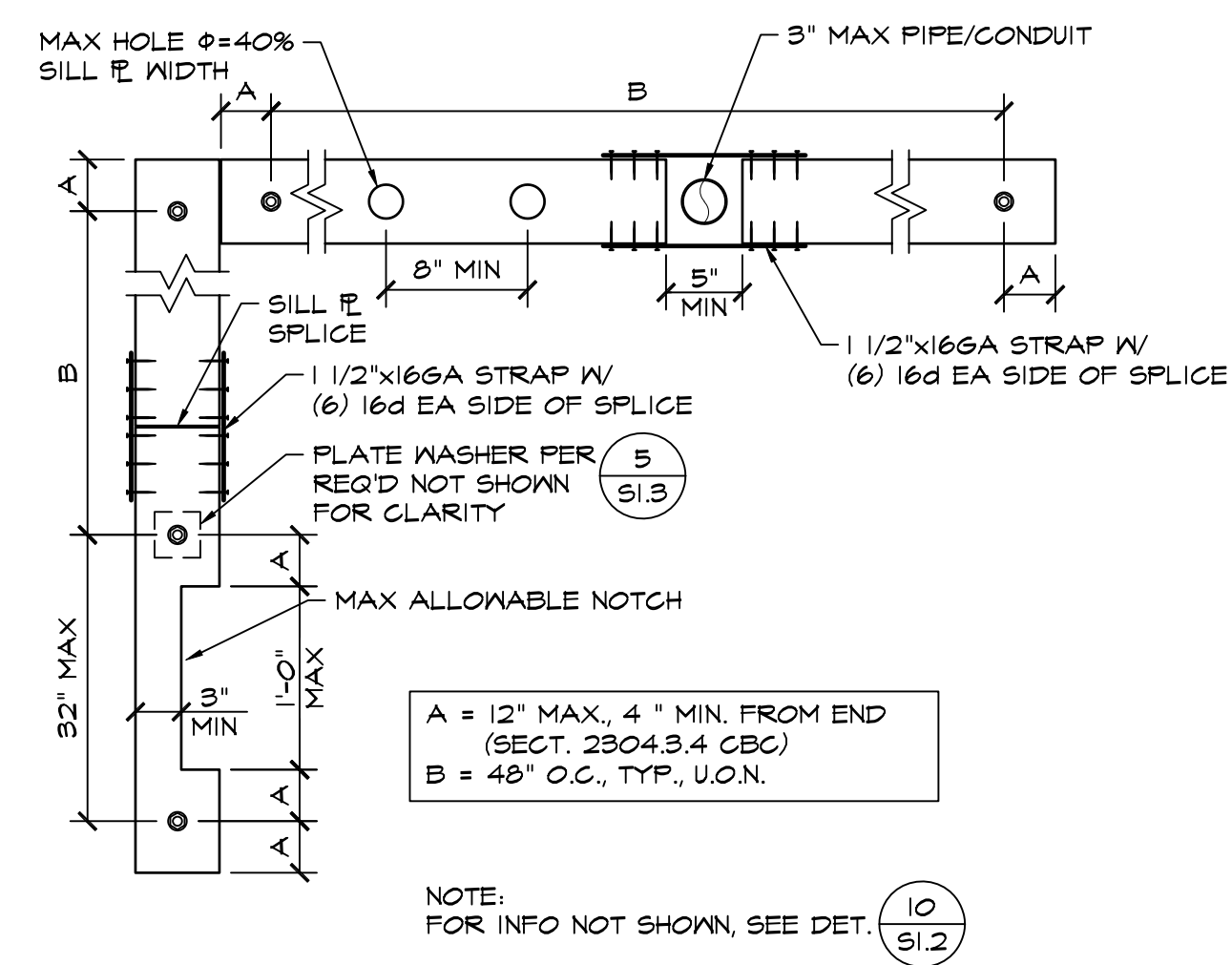
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REVISION:

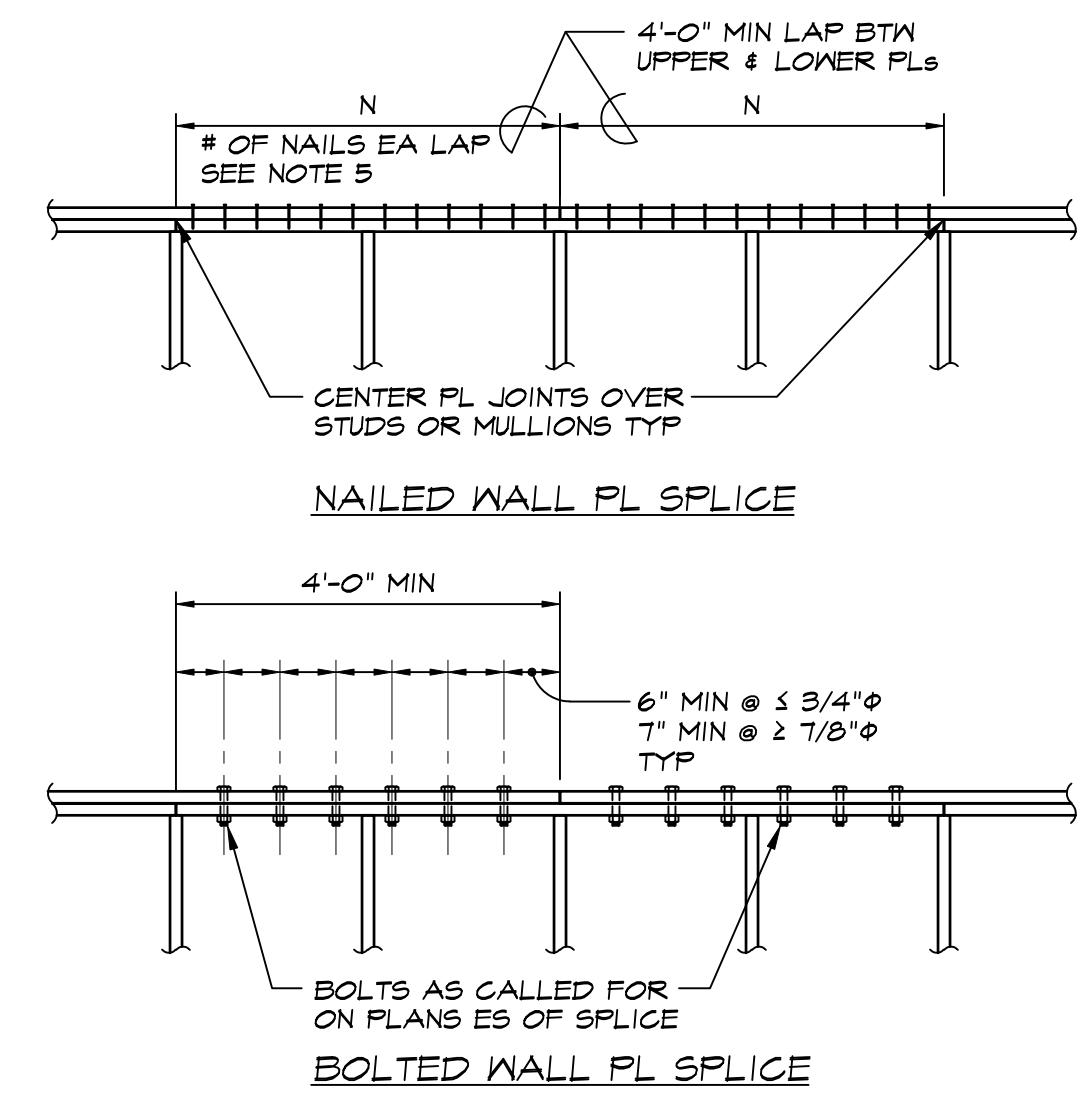
TYPICAL DETAILS

APPLICABLE TO ALL DRAWINGS UNLESS NOTED OR SHOWN OTHERWISE

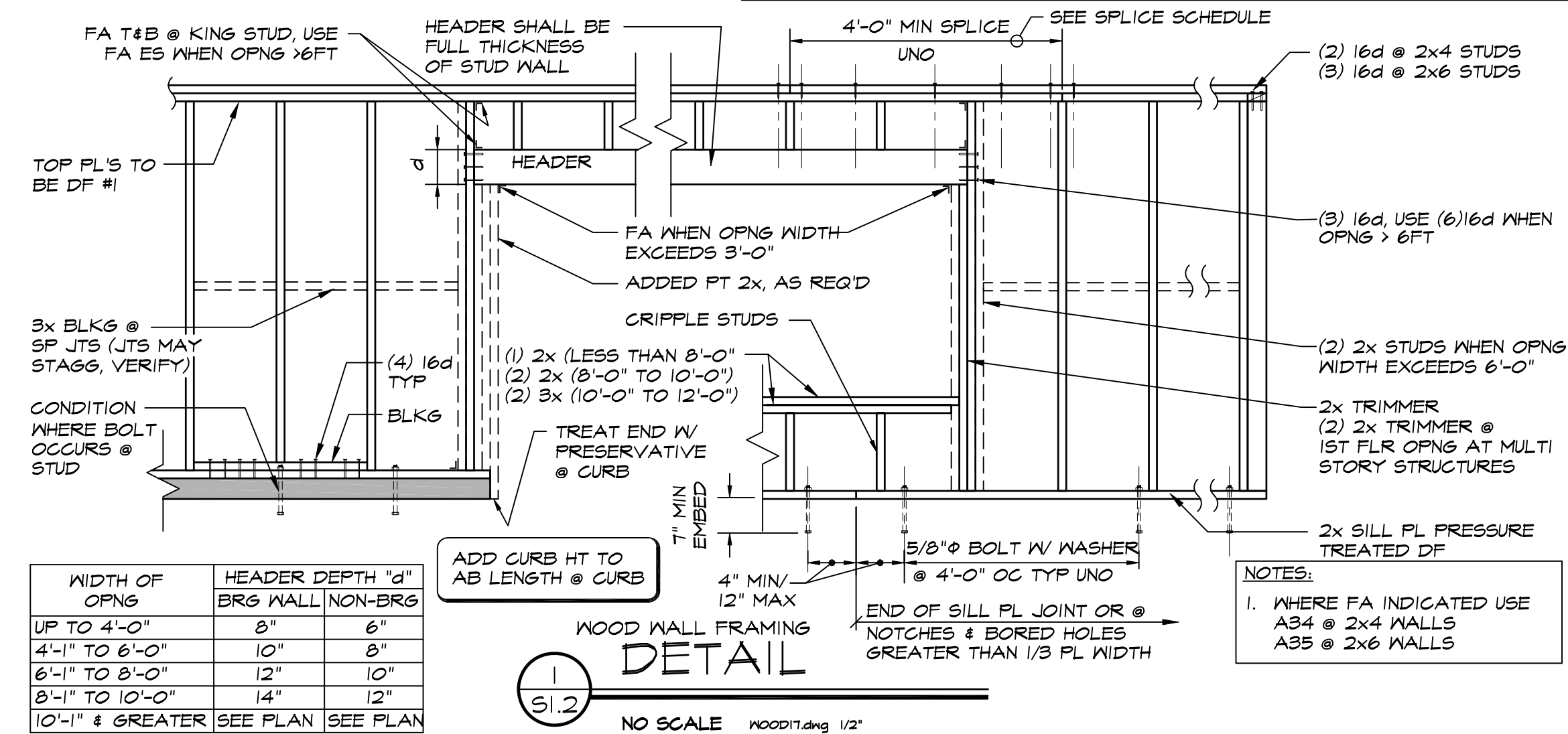
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120800 INC.
REVIEWED FOR
SS FLS ACS
DATE: 04/12/2023



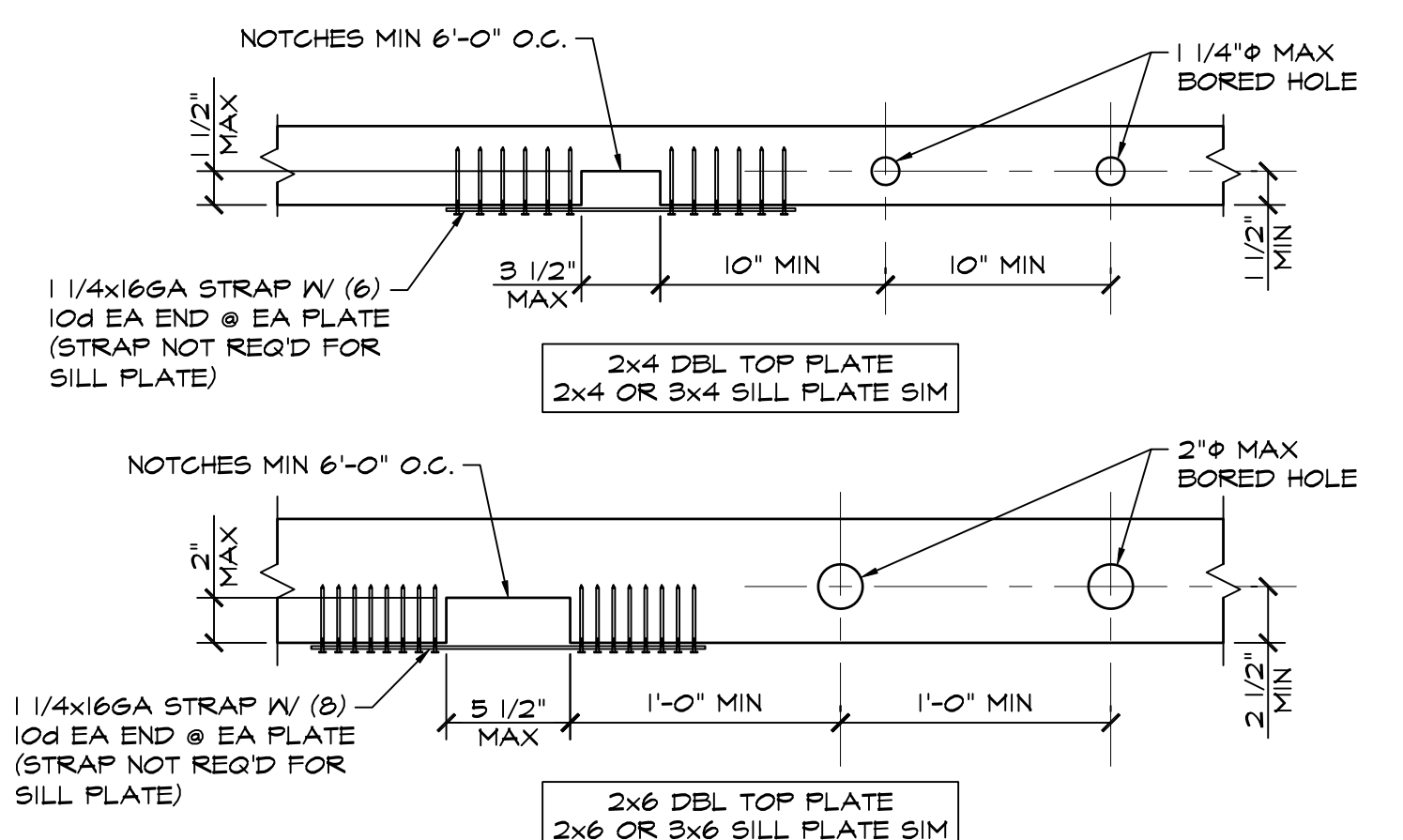
11
S1.2
1" = 1'-0" R000014



12
S1.2
NO SCALE R00014ng 1/2"



13
S1.2
NO SCALE R00014ng 1/2"

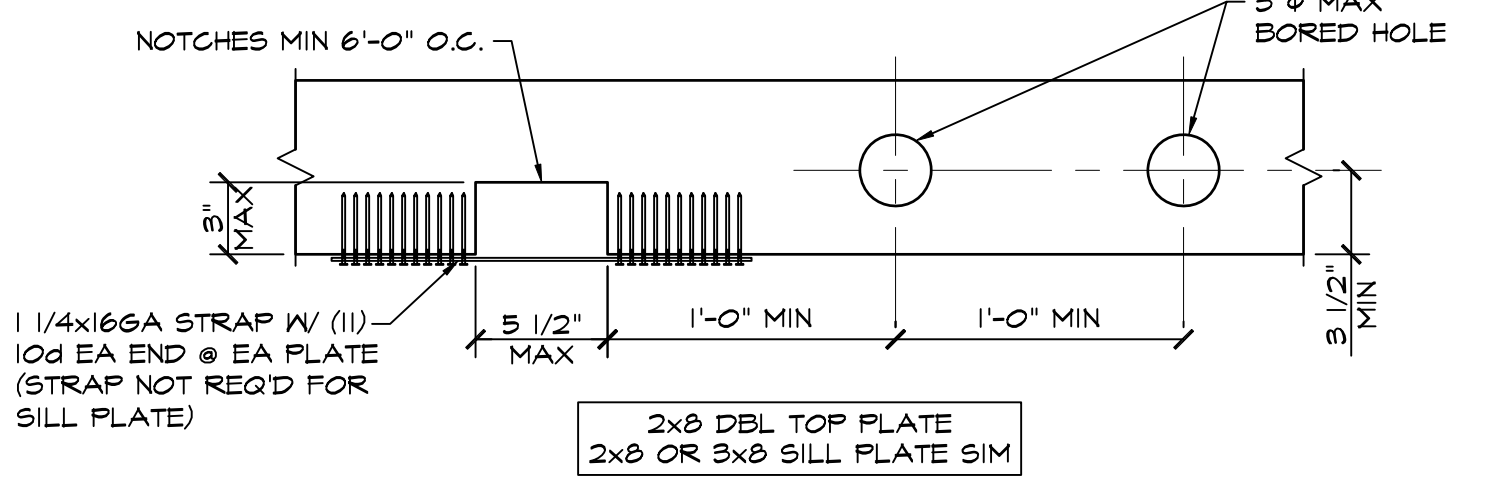


NOTES

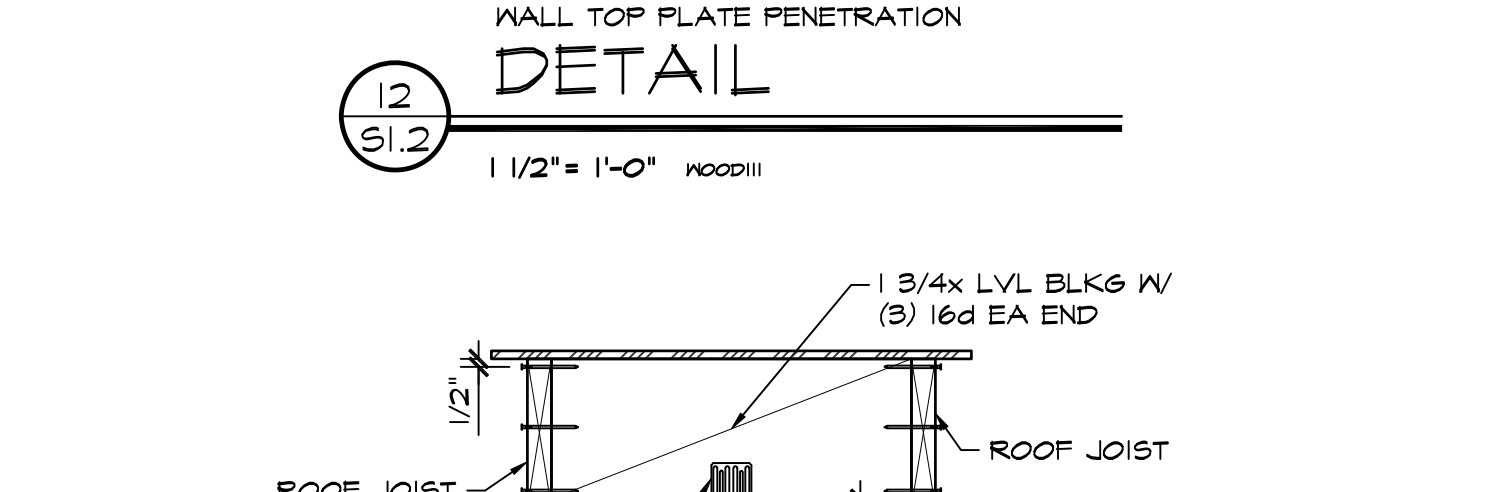
- SPLICES TO OCCUR ONLY OVER CENTER LINE OF STUD
- LOCATE BOLTS TO AVOID INTERFERENCE W/ STUDS & JSTS
- WHERE BOLTED DBL WALL PL. OCCURS DIRECTLY UNDER ROOF FLY INCREASE TOP PL. TO 3x MIN & DAP 1" MAX
- WHEN UPPER PL. IS A 3x OR GREATER, NAIL UPWARD THRU 2x BOT PL.
- NAILS @ 2' STAGS, INCREASE PL LAP AS REQ'D

MARK	N (NUMBER)	CONNECTOR	CAPACITY LBS
MIN	10	16d	1080
A	16	16d	1780
B	20	16d	2160
C	3	3/4" BOLTS	2800
D	4	3/4" BOLTS	3600
E	5	3/4" BOLTS	4400
F	6	7/8" BOLTS	6000
G	7	7/8" BOLTS	6600

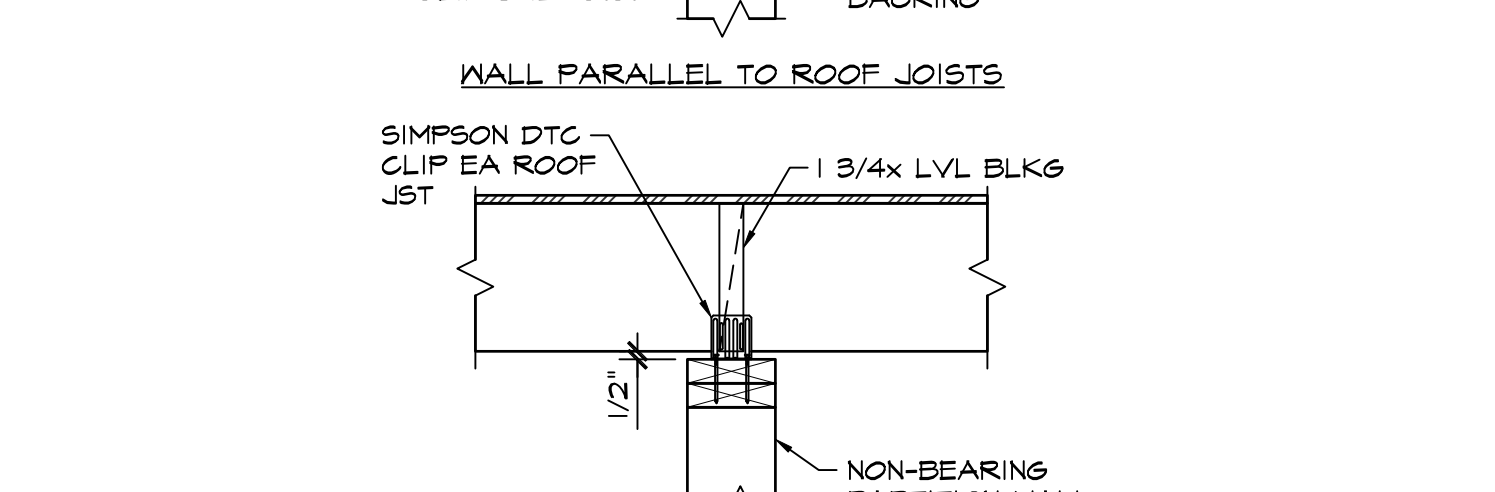
TOP PL. SPLICE
DETAIL
NO SCALE R00014ng 1/2"



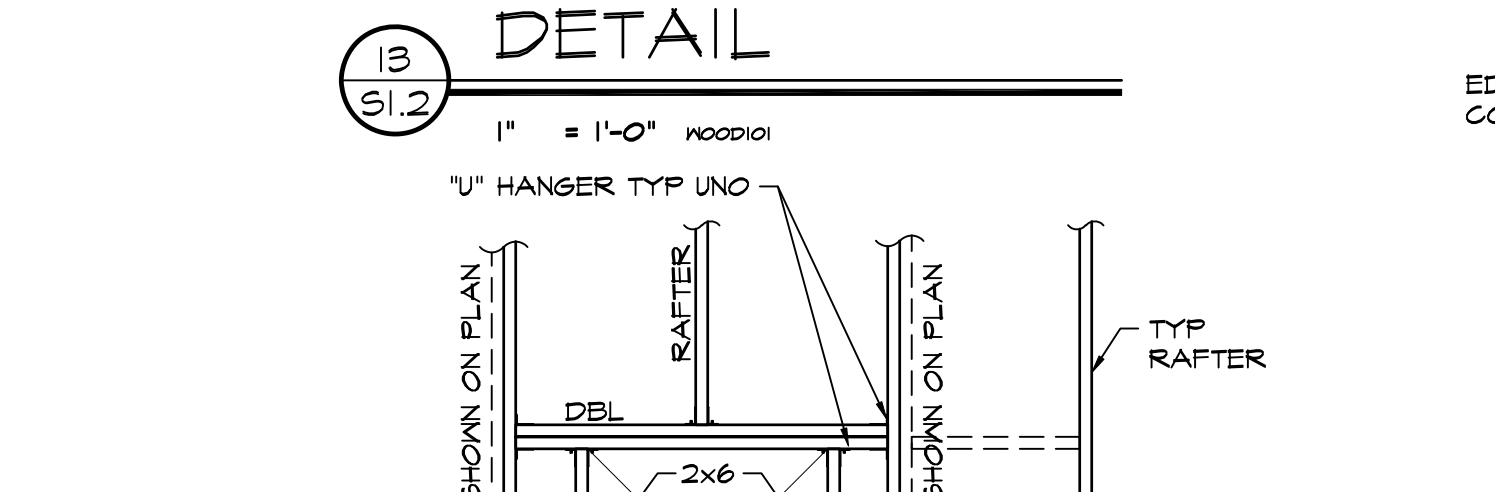
15
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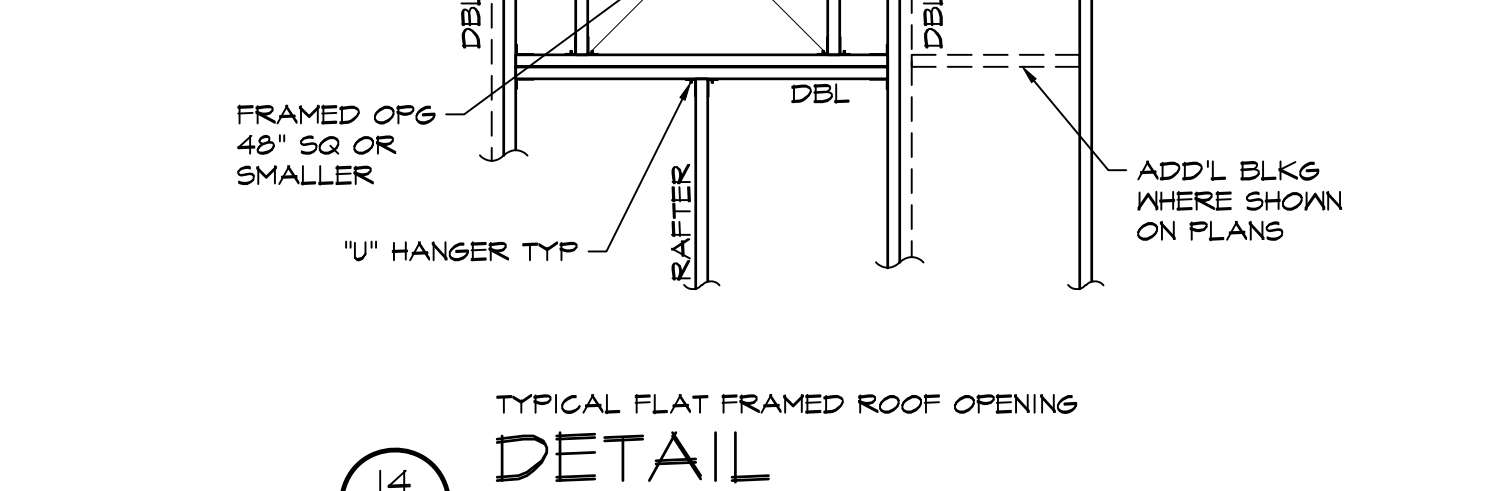
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S1.2
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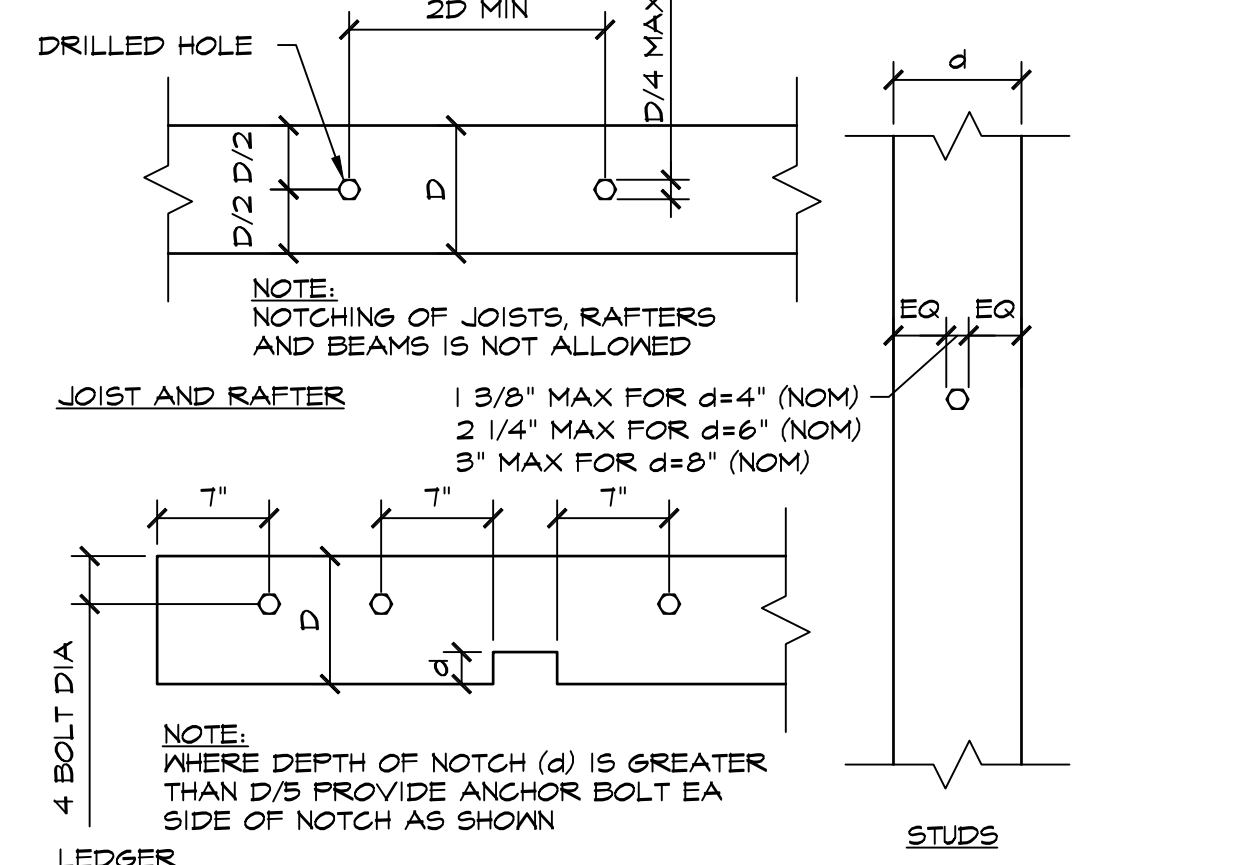
17
S1.2
NO SCALE R00014ng 1/2"



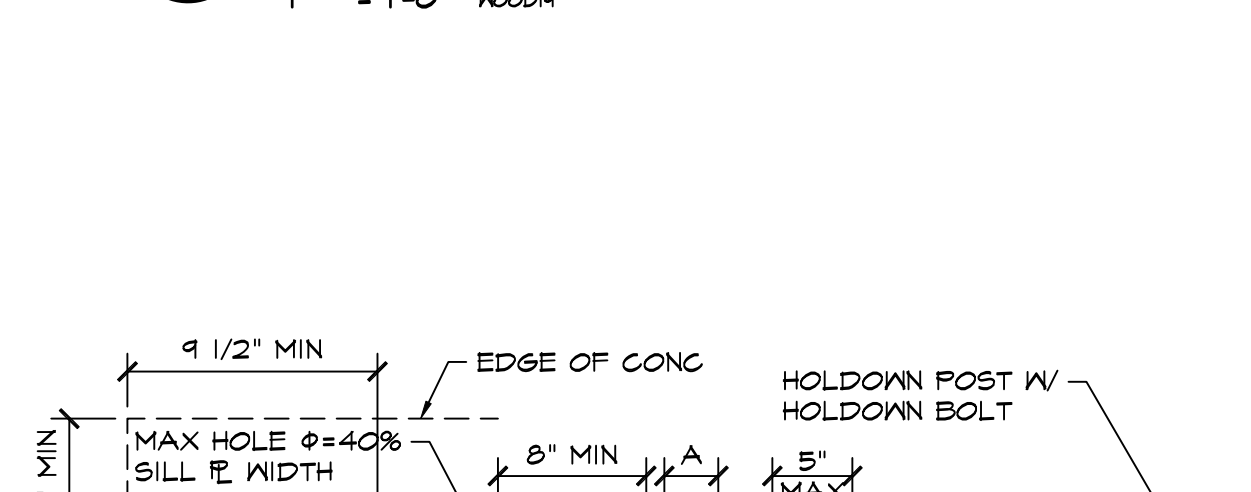
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NO SCALE R00014ng 1/2"



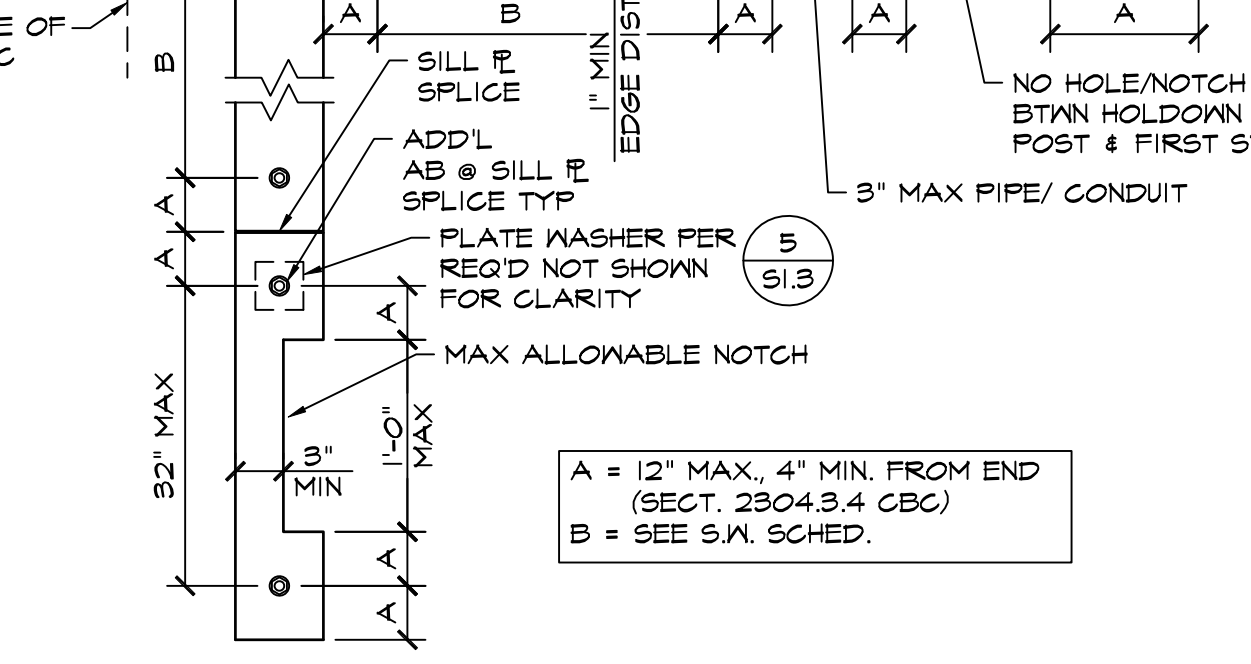
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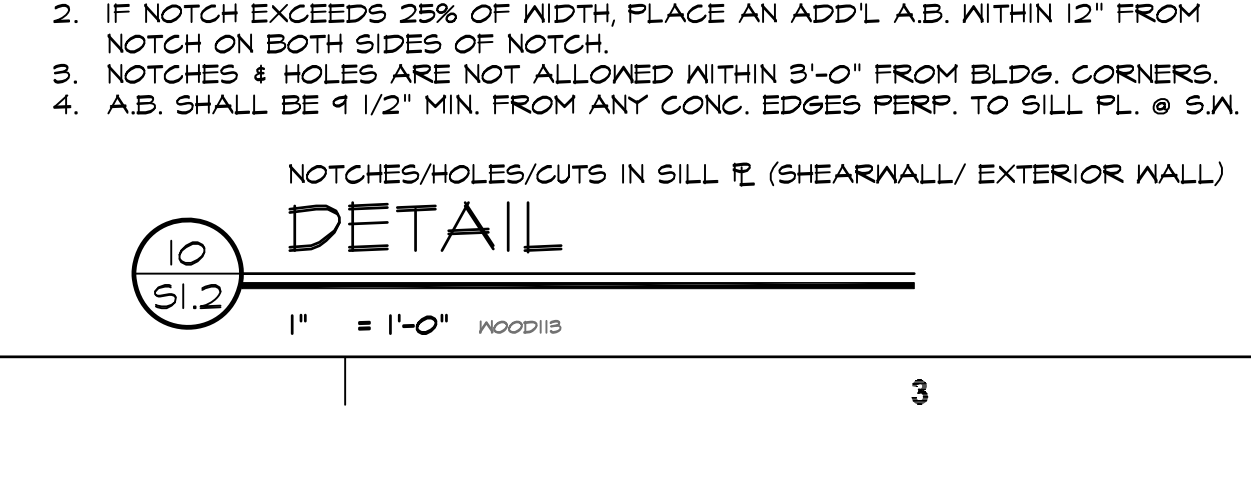
20
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1" = 1'-0" R00014



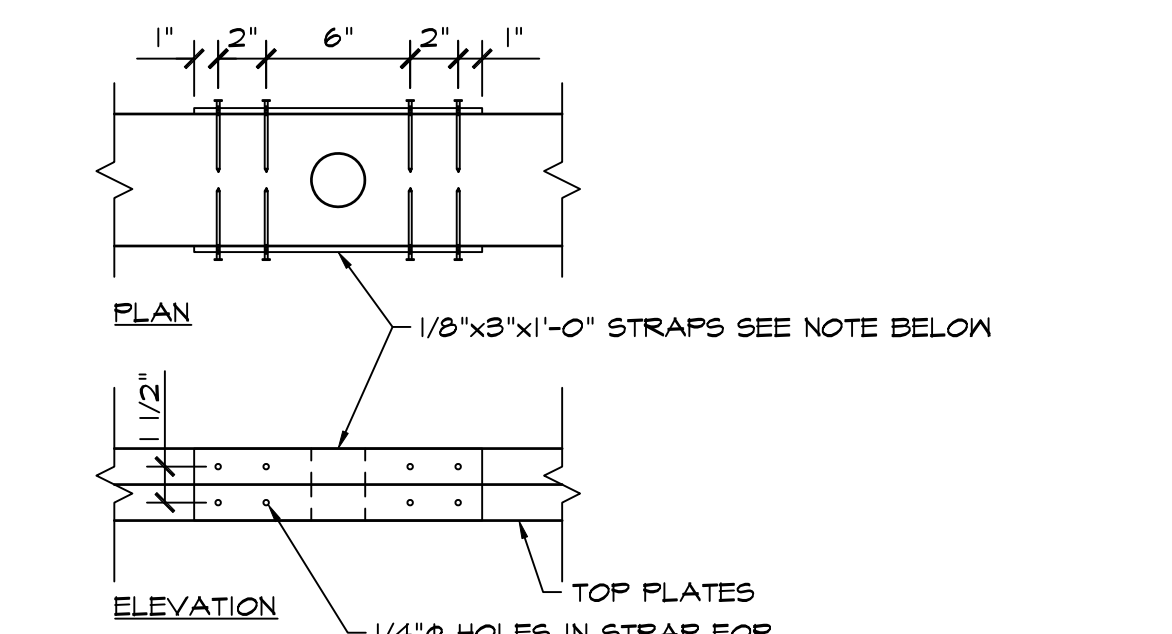
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1" = 1'-0" R00014



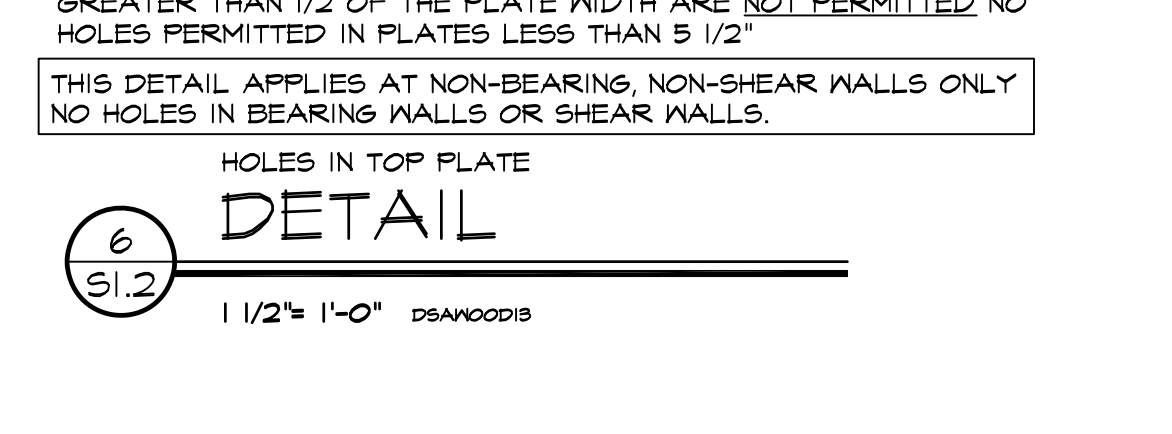
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S1.2
1 1/2" = 1'-0" R00020



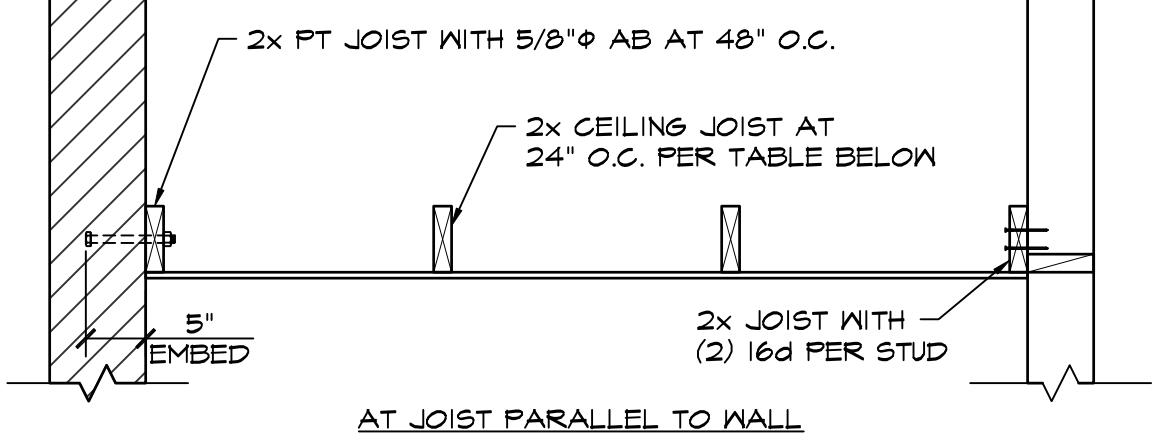
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S1.2
1" = 1'-0" R00018



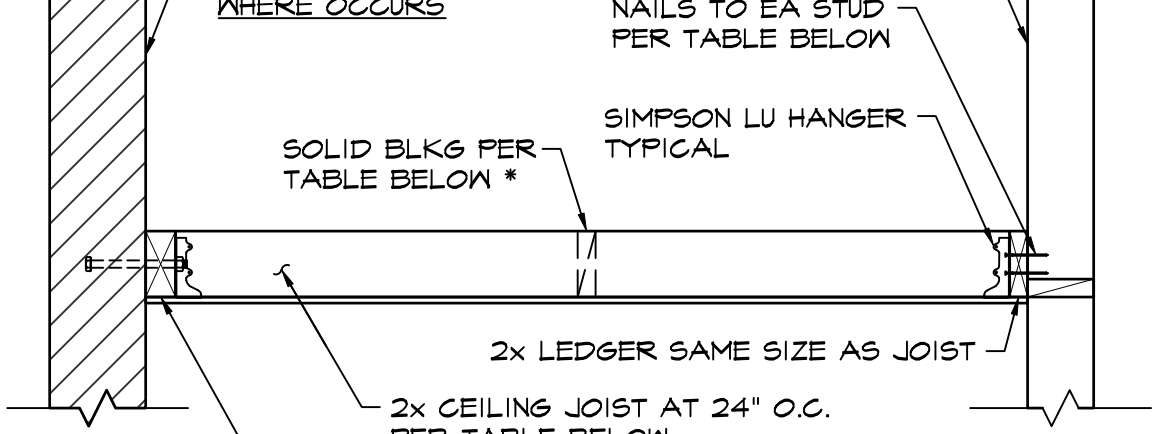
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S1.2
NO SCALE R00014ng 1/2"



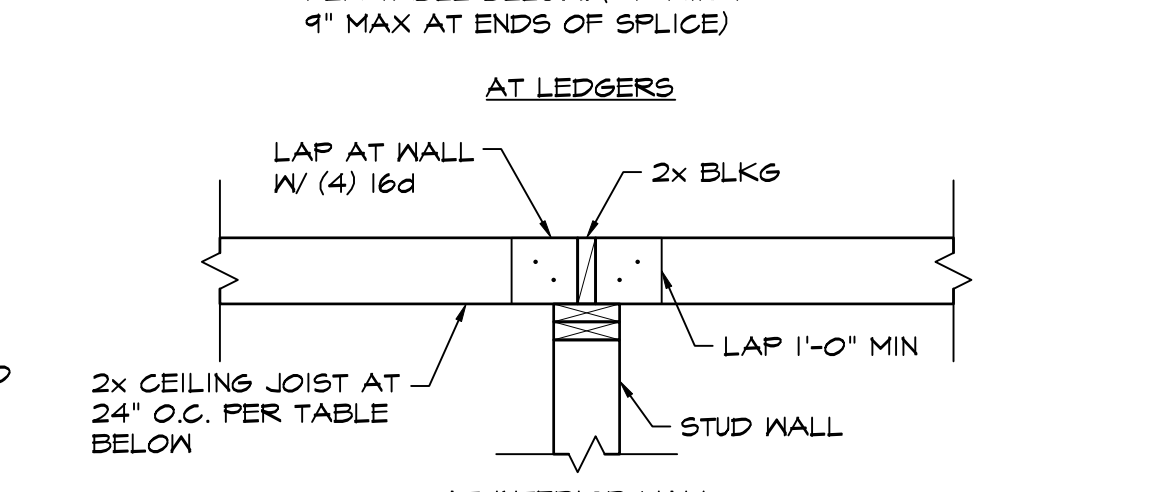
25
S1.2
NO SCALE R00014ng 1/2"



26
S1.2
NO SCALE R00014ng 1/2"



27
S1.2
NO SCALE R00014ng 1/2"

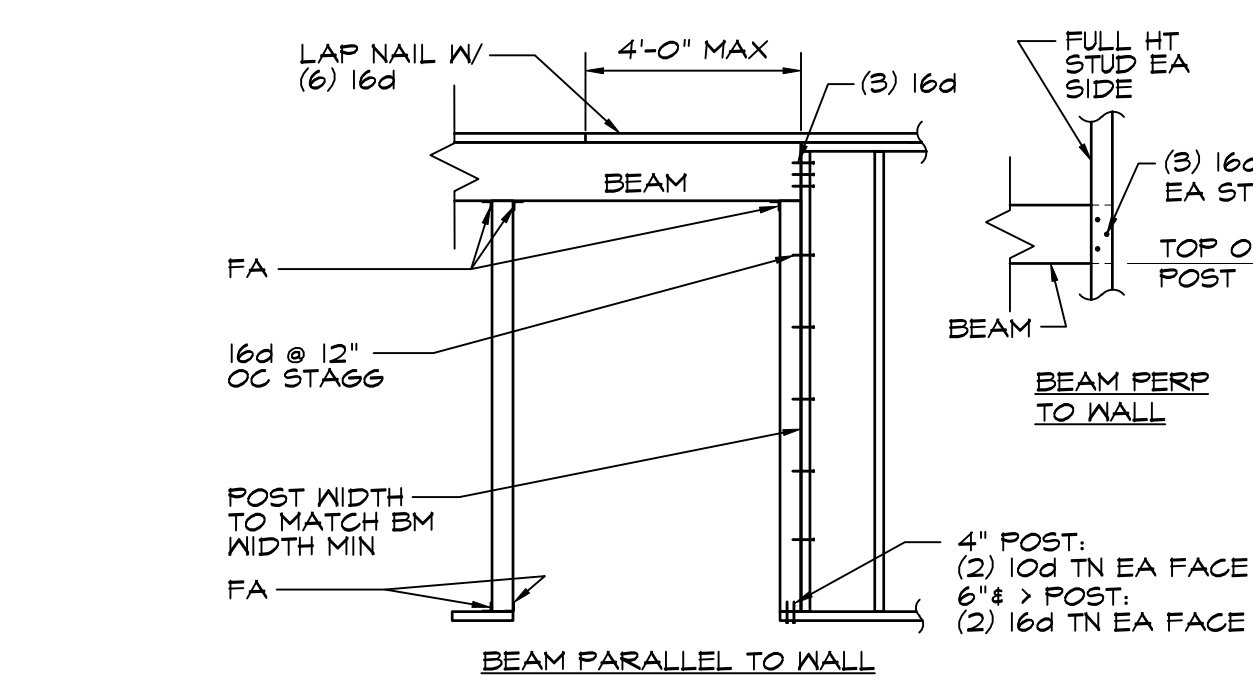


28
S1.2
NO SCALE R00014ng 1/2"

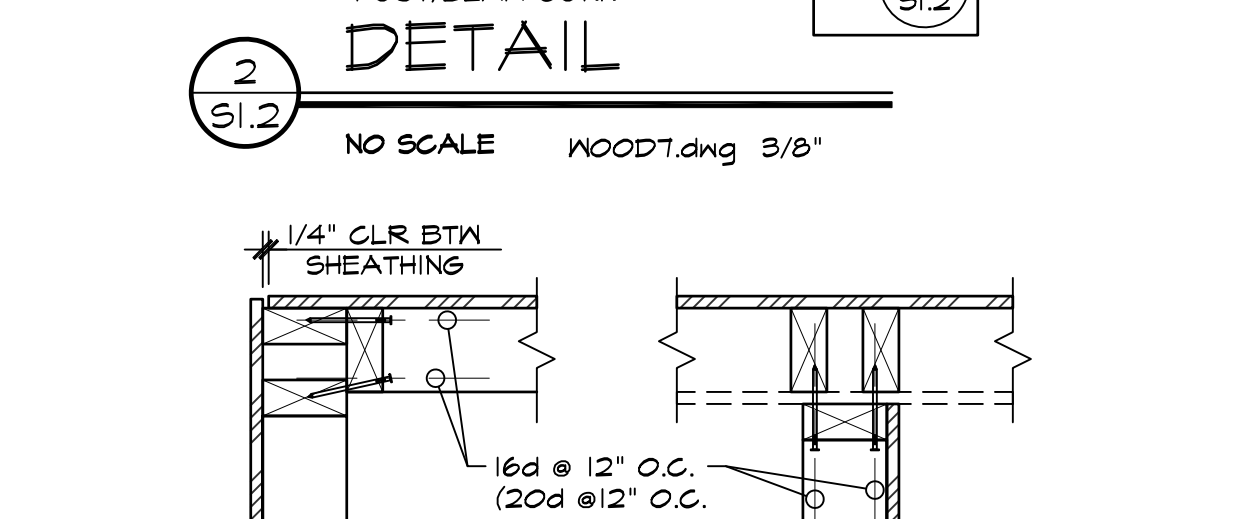
JOIST SIZE	MAX SPAN	LEDGER NAILS	BOLT SPACING	BLOCKING (NOTE #)
2x4	6'-0"	4'-0"	(2) 16d	48" O.C. NOT REQ'D
2x6	12'-0"	8'-0"	(2) 16d	48" O.C. MID-SPAN
2x8	16'-0"	12'-0"	(3) 16d	32" O.C. MID-SPAN
2x10	20'-0"	16'-0"	(3) 16d	32" O.C. TWO ROWS
2x12	24'-0"	20'-0"	(4) 16d	24" O.C. TWO ROWS

NOTES:
1. WHEN SILL IS NOTCHED, DRILLED OR CUT, EXPOSED AREA MUST BE TREATED W/ A PRESERVATIVE THAT IS APPROVED BY ARCHITECT AND ENFORCEMENT AGENCY (DPA).
2. IF NOTCH EXCEEDS 25% OF WIDTH, PLACE AN ADD'L A.B. WITHIN 12" FROM NOTCH ON BOTH SIDES OF NOTCH.
3. NOTCHES & HOLES ARE NOT ALLOWED WITHIN 3'-0" FROM BLDG. CORNERS.
4. A.B. SHALL BE 9/16" MIN. FROM ANY CONG. EDGES PERP. TO SILL PL. @ 5x.

29
S1.2
3/4" = 1'-0" D8A00022



30
S1.2
NO SCALE R00014ng 3/8"

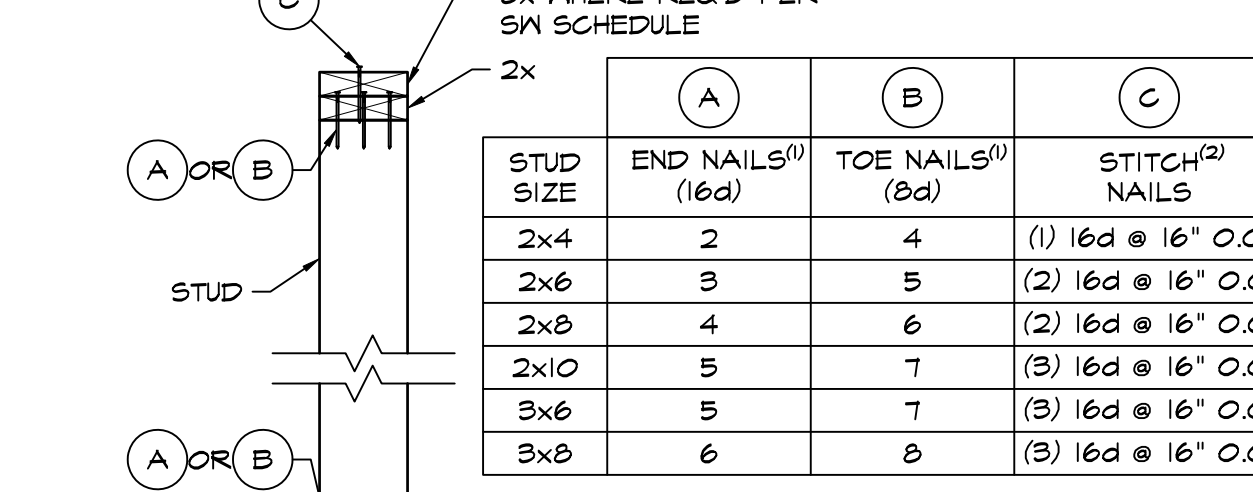


31
S1.2
NO SCALE R00014ng 1/2"

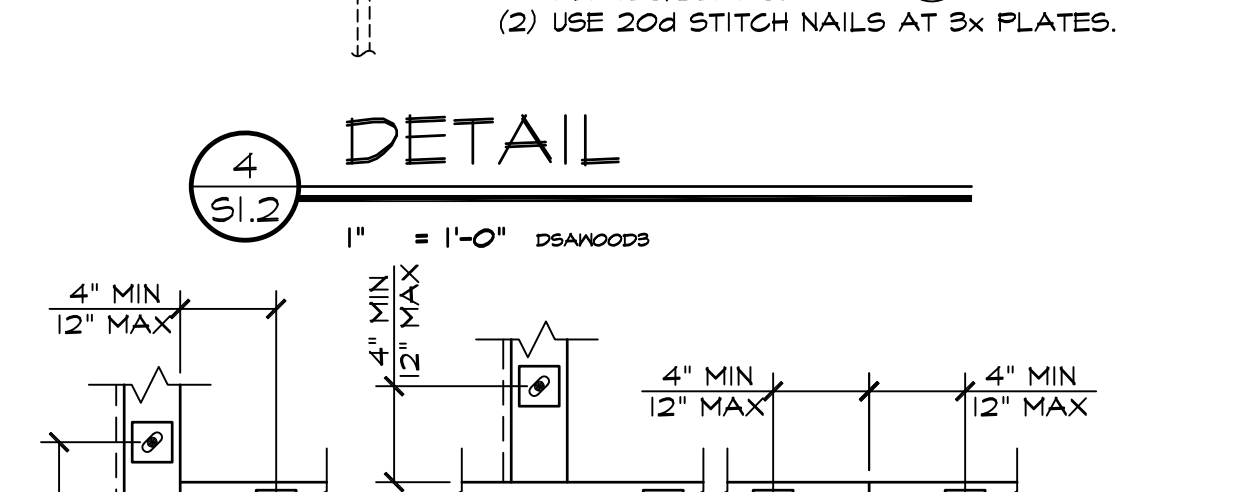
STUD SIZE	END NAILS ⁽¹⁾ (16d)	TOE NAILS ⁽²⁾ (8d)	STITCH ⁽²⁾ NAILS
2x4	2	4	(1) 16d @ 16" O.C.
2x6	3	5	(2) 16d @ 16" O.C.
2x8	4	6	(2) 16d @ 16" O.C.
2x10	5	7	(3) 16d @ 16" O.C.
3x6	5	7	(3) 16d @ 16" O.C.
3x8	6	8	(3) 16d @ 16" O.C.

NOTE:
(1) 16d END NAILS (A) MAY BE USED ONLY AT 2x PLATES/BEAMS. (B) AT 3x OR THICKER.
(2) USE 20G STITCH NAILS AT 3x PLATES.

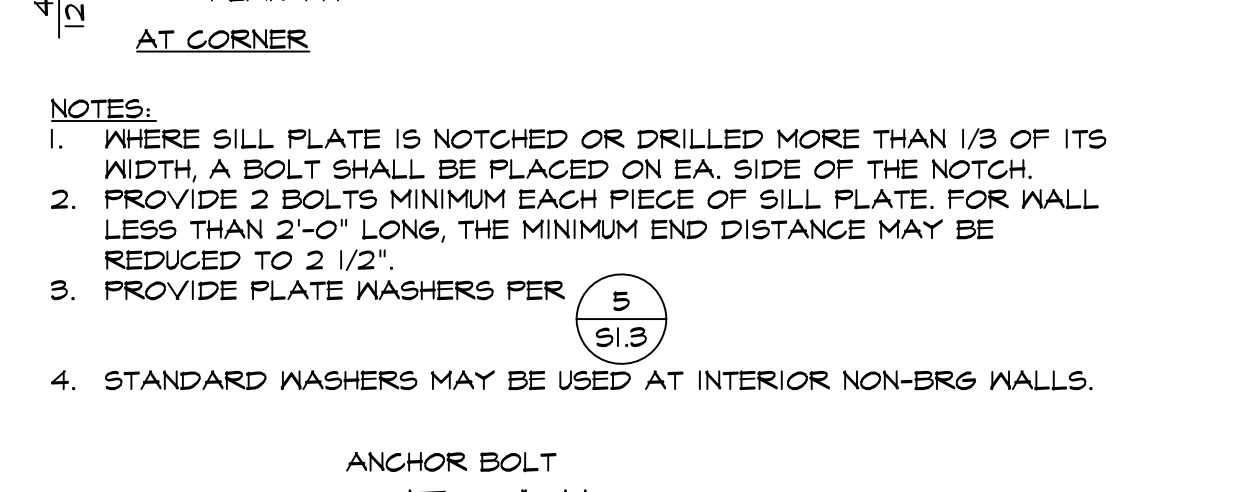
32
S1.2
NO SCALE R00014ng 1/2"



33
S1.2
1" = 1'-0" D8A0004



34
S1.2
NO SCALE R00014ng 1/2"



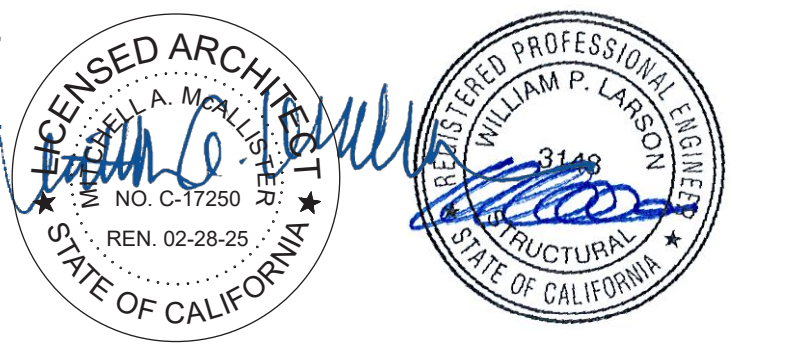
35
S1.2
NO SCALE R00014ng 1/2"



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(916) 452-8212 (FAX)

PROJECT NAME:

SEQUOIA ELEMENTARY SCHOOL

3333 ROSEMONT DR
SACRAMENTO, CA 95826

TOILET BUILDING REPLACEMENT

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

SACRAMENTO COUNTY

KEY PLAN:

SHEET TITLE:
TYPICAL DETAILS

JOB NUMBER: 2022-081	SHEET NUMBER:
DATE: NOV 14, 2022	
REVISION:	S1.2

TYPICAL DETAILS

APPLICABLE TO ALL DRAWINGS UNLESS NOTED OR SHOWN OTHERWISE

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 3333 ROSEMONT DR
 SACRAMENTO, CA 95826

TOILET BUILDING REPLACEMENT

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

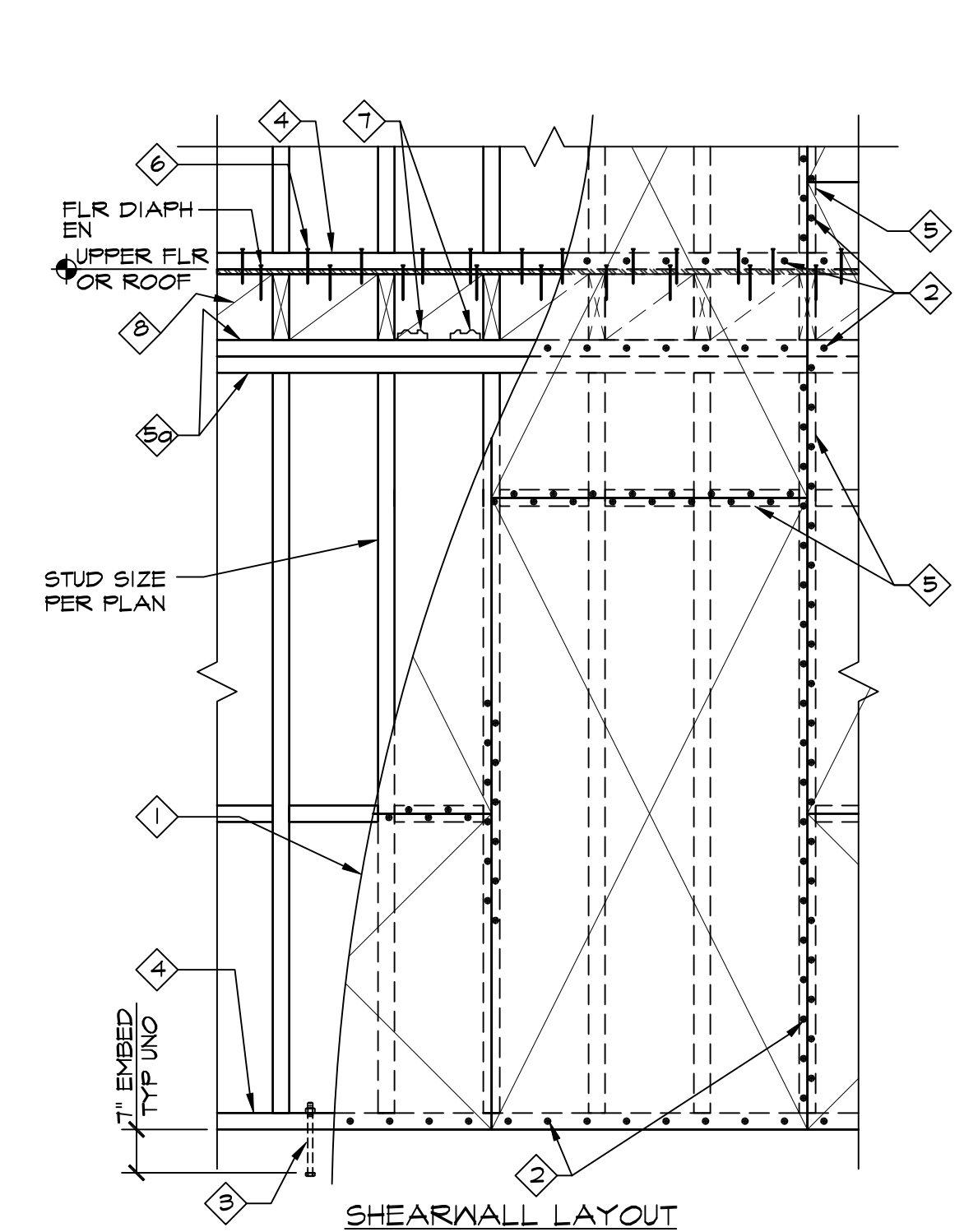
SACRAMENTO COUNTY

KEY PLAN:

SHEET TITLE:
TYPICAL DETAILS

JOB NUMBER: 2022-081
 DATE: NOV 14, 2022
 REVISION:

SHEET NUMBER:
S1.3



- ### SHEARWALL NOTES
- SEE PLAN FOR SHEATHING TYPE, NAIL SIZE AND SPACING AND POSTS AT HOLDOWNS.
 - FIELD NAILING TO BE 10d @ 12" OC TYP.
 - SHEAR WALLS MORE THAN ONE VERTICAL PANEL IN HEIGHT SHALL HAVE EITHER VERTICAL OR HORIZONTAL STAGGERED SPLICE JOINTS.
 - SILL PLATES AND FRAMING/BLOCKING AT ADJOINING PANEL EDGES SHALL BE 3" NOMINAL OR WIDER AND NAILS SHALL BE STAGGERED WHERE NAILS ARE SPACED 4" OC OR LESS.
 - EDGE NAILING INTO ALL PRESSURE TREATED LUMBER SHALL BE HOT DIPPED GALVANIZED. BRASS, COPPER OR STAINLESS STEEL MAY BE USED AS AN OPTION.
 - THE MINIMAL EDGE DISTANCE FOR NAILS IN THE FRAMING MEMBERS AND THE FLYWOOD SHALL BE 3/8" FOR 2" NOMINAL FRAMING MEMBERS AND 1/2" FOR 3" NOMINAL FRAMING MEMBERS.
 - ALL NAILS TO BE COMMON WIRE NAILS, TYP. UNO.
 - TYP. LENGTH OF SHEAR WALL IS FULL LENGTH BETWEEN OPENINGS OR INTERSECTING WALLS.
 - IF A USE SIMPSON A36 OR EQUAL UNO.
 - HOLDOWN BOLTS SHALL NOT BE CONSIDERED TO REPLACE (OR ACT AS) ANCHOR BOLTS.
 - IF NOT INDICATED OTHERWISE NAIL SP AT WALLS PER 6.
 - FND PLATE BOLTS SHALL COMPLY WITH 5 S1.3
- ### SCHEDULE NOTES
- MIN LENGTH OF SHEAR WALL IN FT
- XX'-XX" NAIL SPACING
- MIN (2) 5/8" AB PER FOUNDATION PL. REDUCE SILL AB SPACING IN HALF AND DOUBLE FAS WHEN SHTS APPLIED TO BOTH SIDES OF WALL
 - FRAMING MEMBERS RECEIVING EDGE NAILING SHALL BE 3X, WHERE WALL SHTS APPLIED TO BOTH SIDES OF STUD PROVIDE 4X OR STAGGER PANEL JOINTS SUCH THAT STUDS & BLKG DO NOT RECEIVE EN ON BOTH SIDES.
 - FOR MEMBER 6 USE 2x

S1.3 SHEARWALL SCHEDULE

MARK	STRUCT I APA RATED SHEATHING	EN (EDGE NAILING)	AB* (FND PLATE) ANCHOR BOLTS	ON CONG	ON WOOD	FLS JOINT STUDS & BLKG	SN (SHEAR NAILING)	FA (SIMPSON A36 OR EQUAL UNO)	NUMBER OF FAS PER BLOCK	BLKS PER BLOCK	BLKS OR RIM JOIST
1	15/92'	10d @ 6"	5/8" @ 32"	2x	2x	2x	1/4" x 6" SDS @ 10" OC	16'	1	2	2x

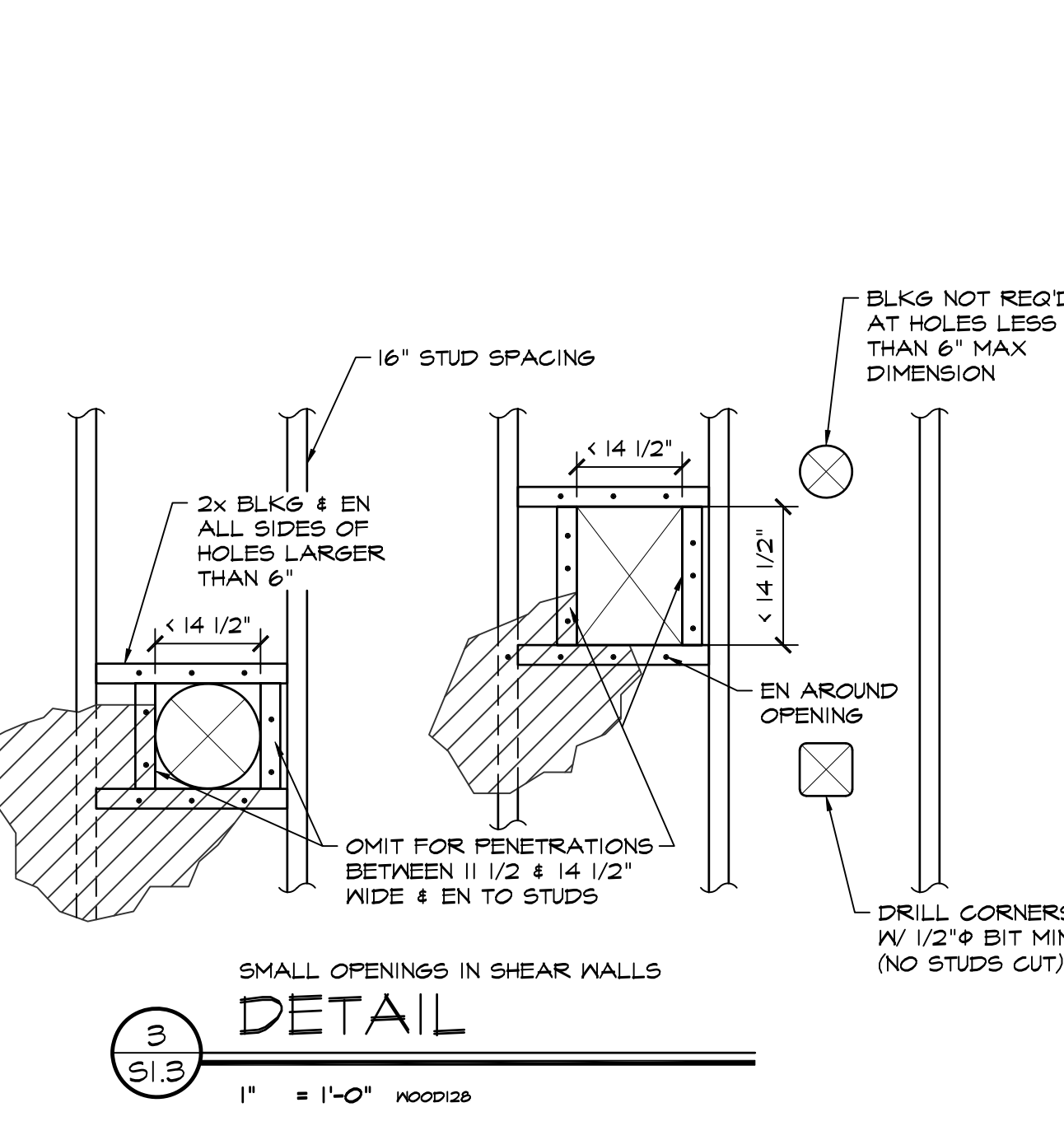
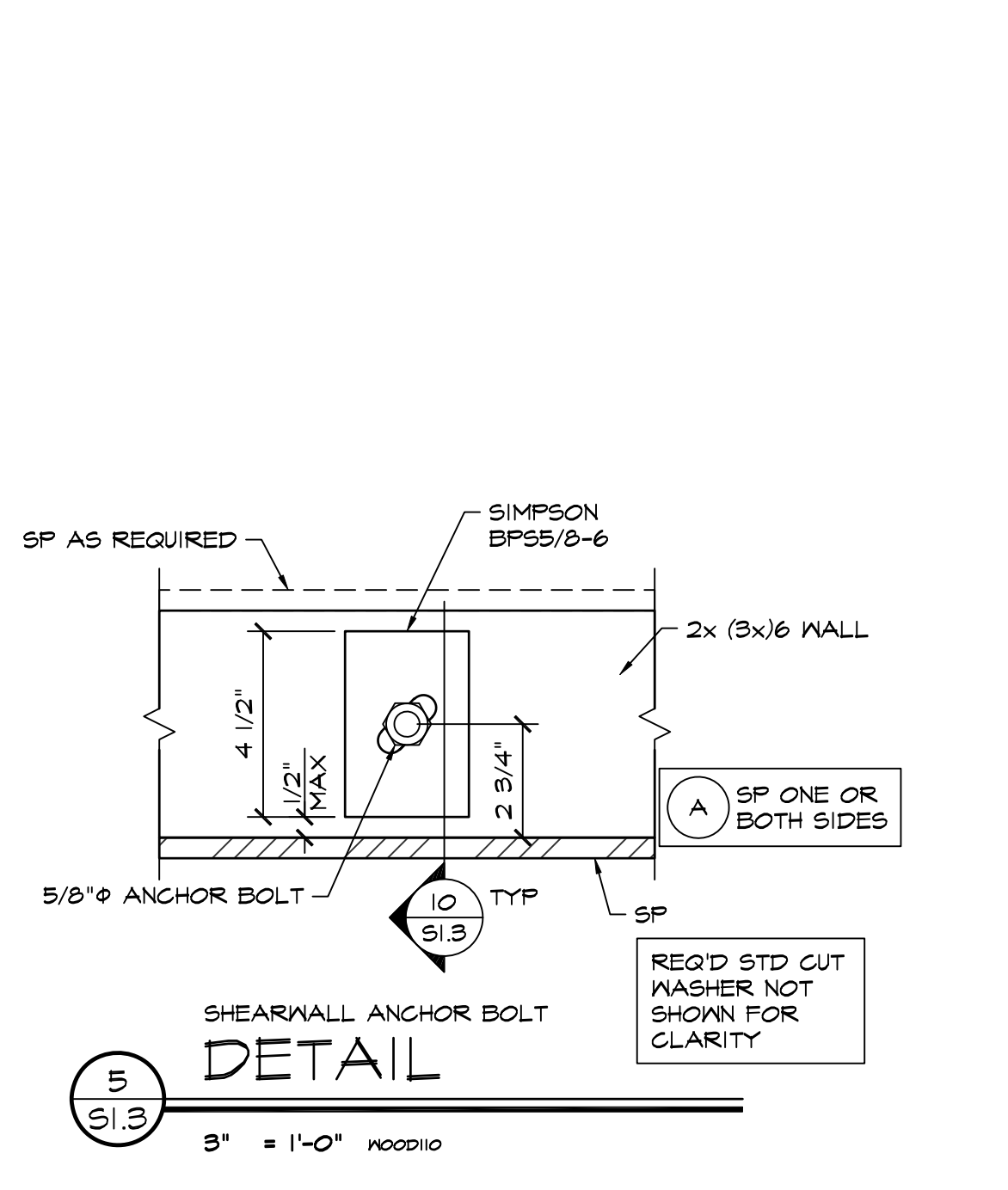
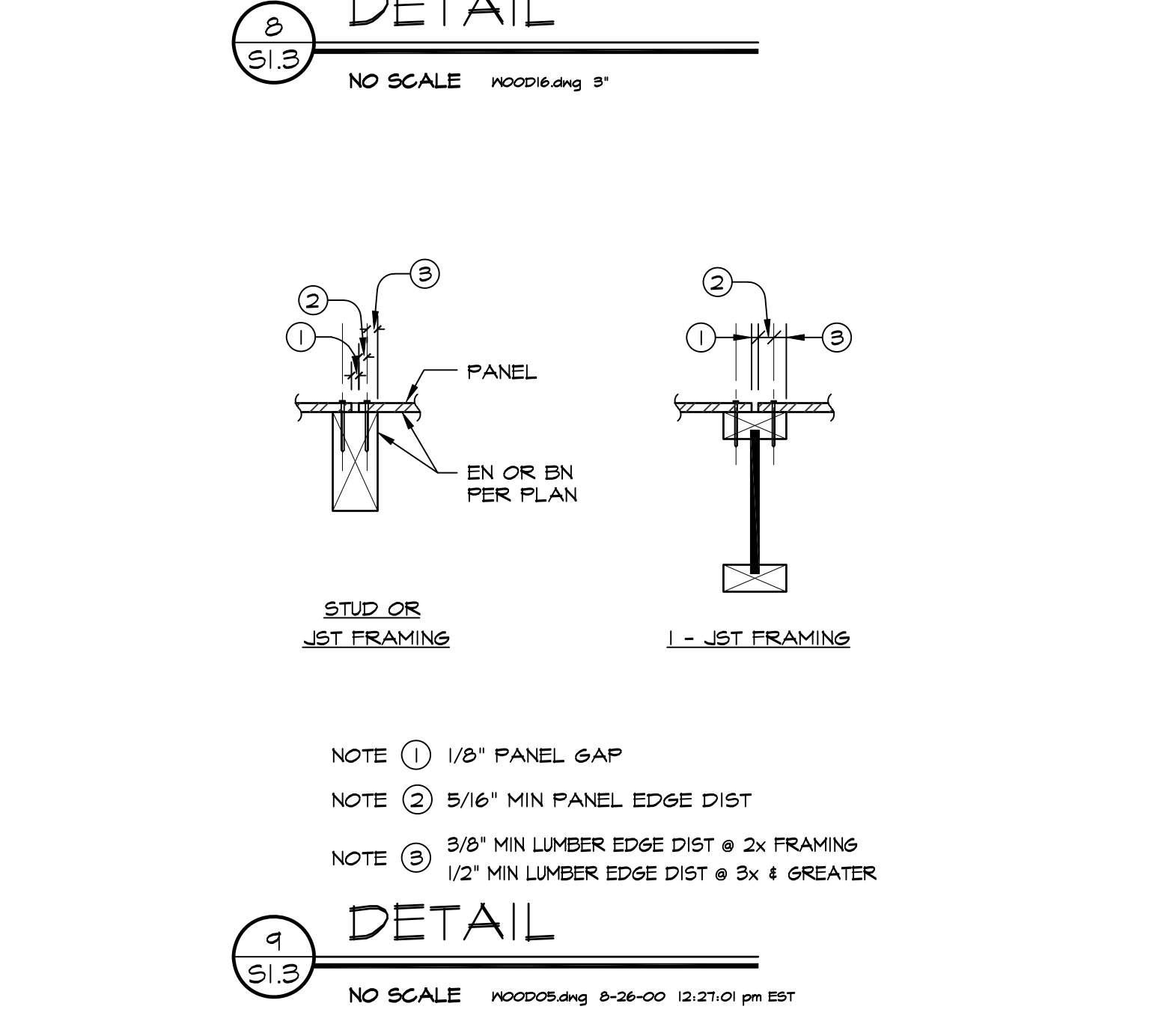
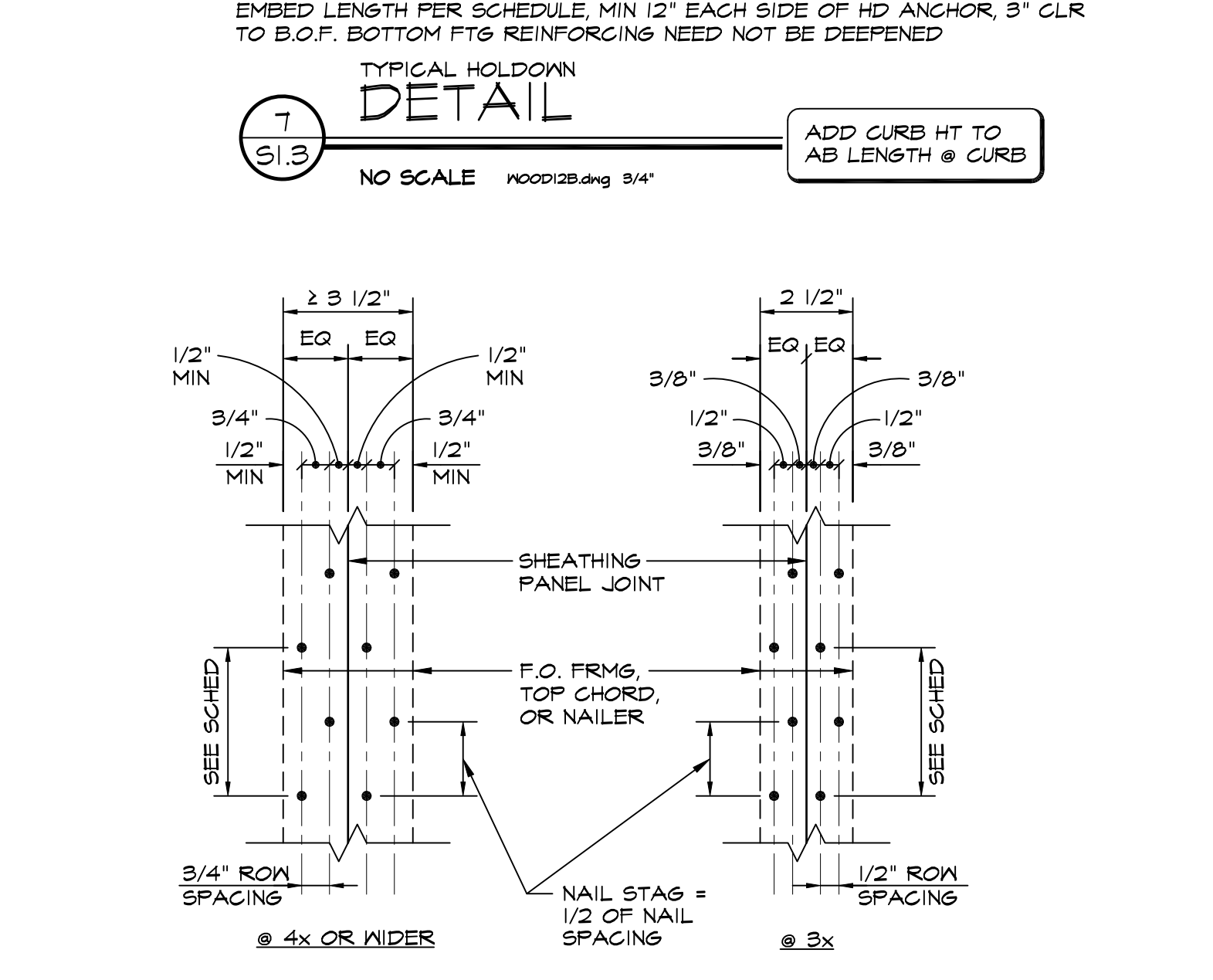
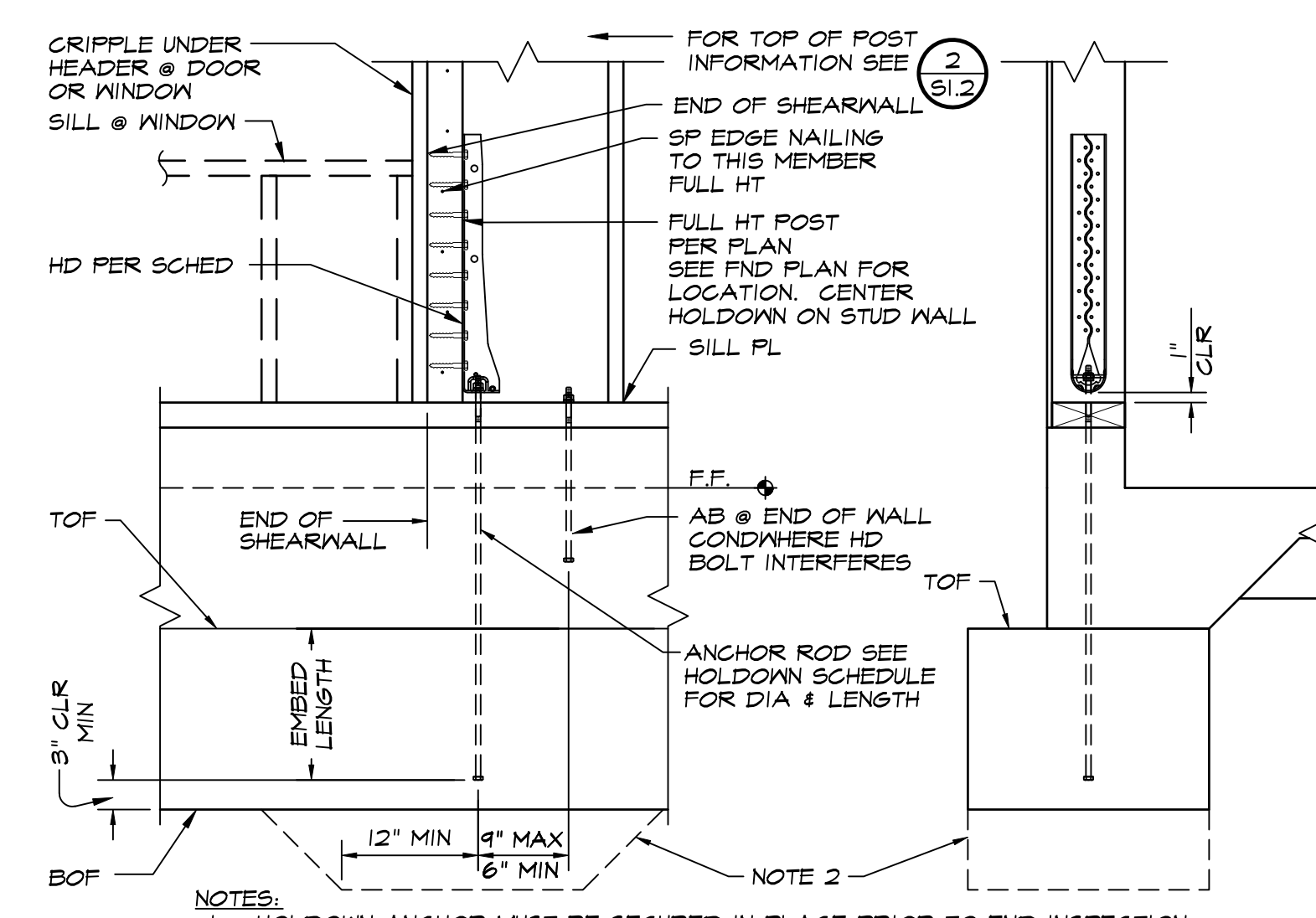
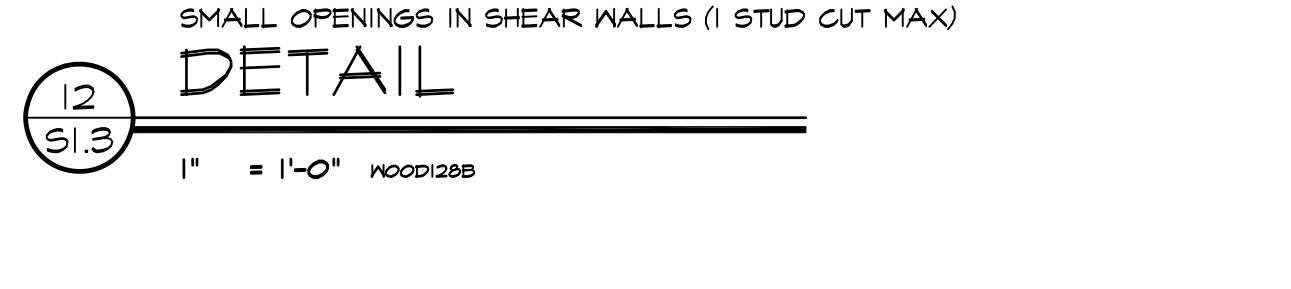
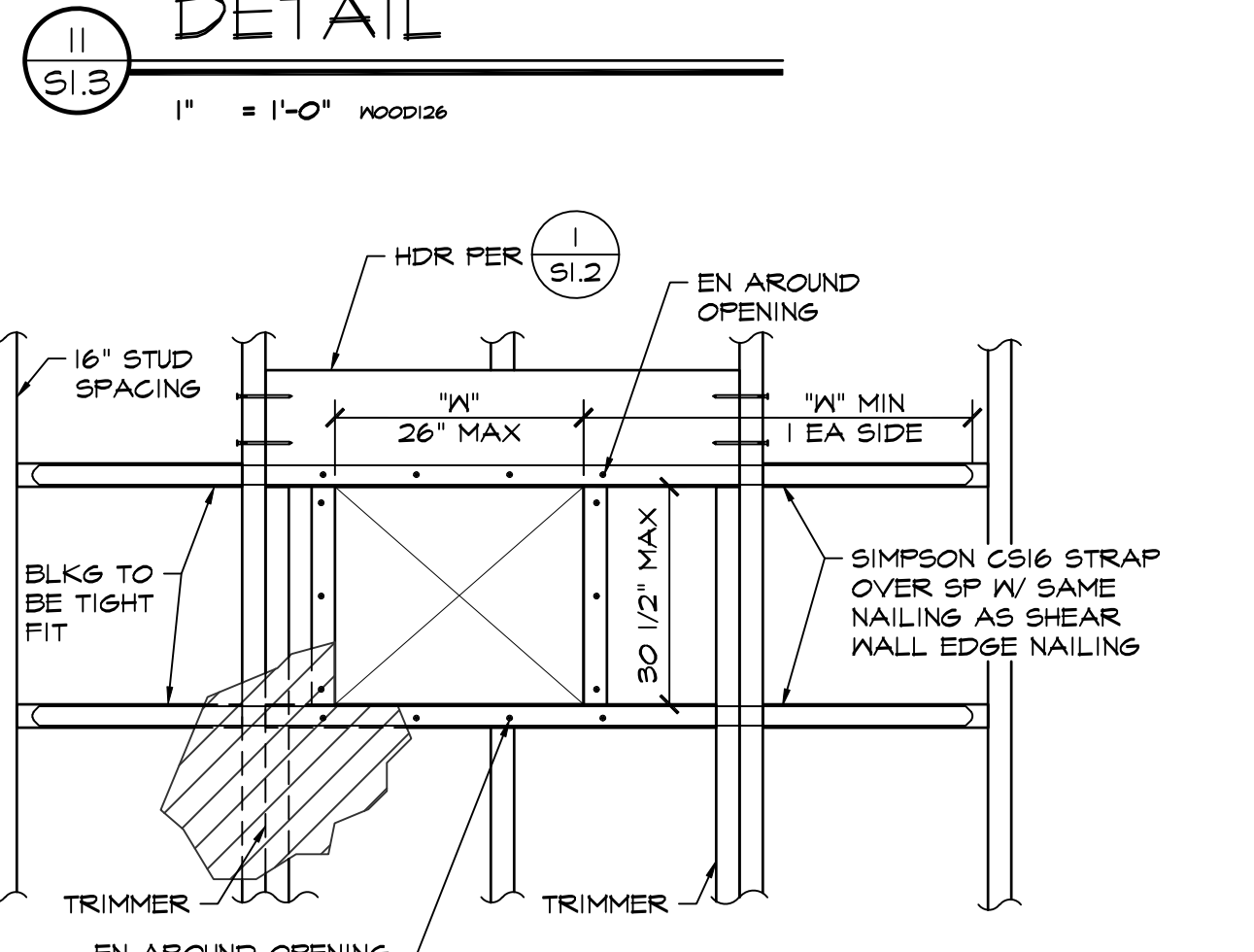
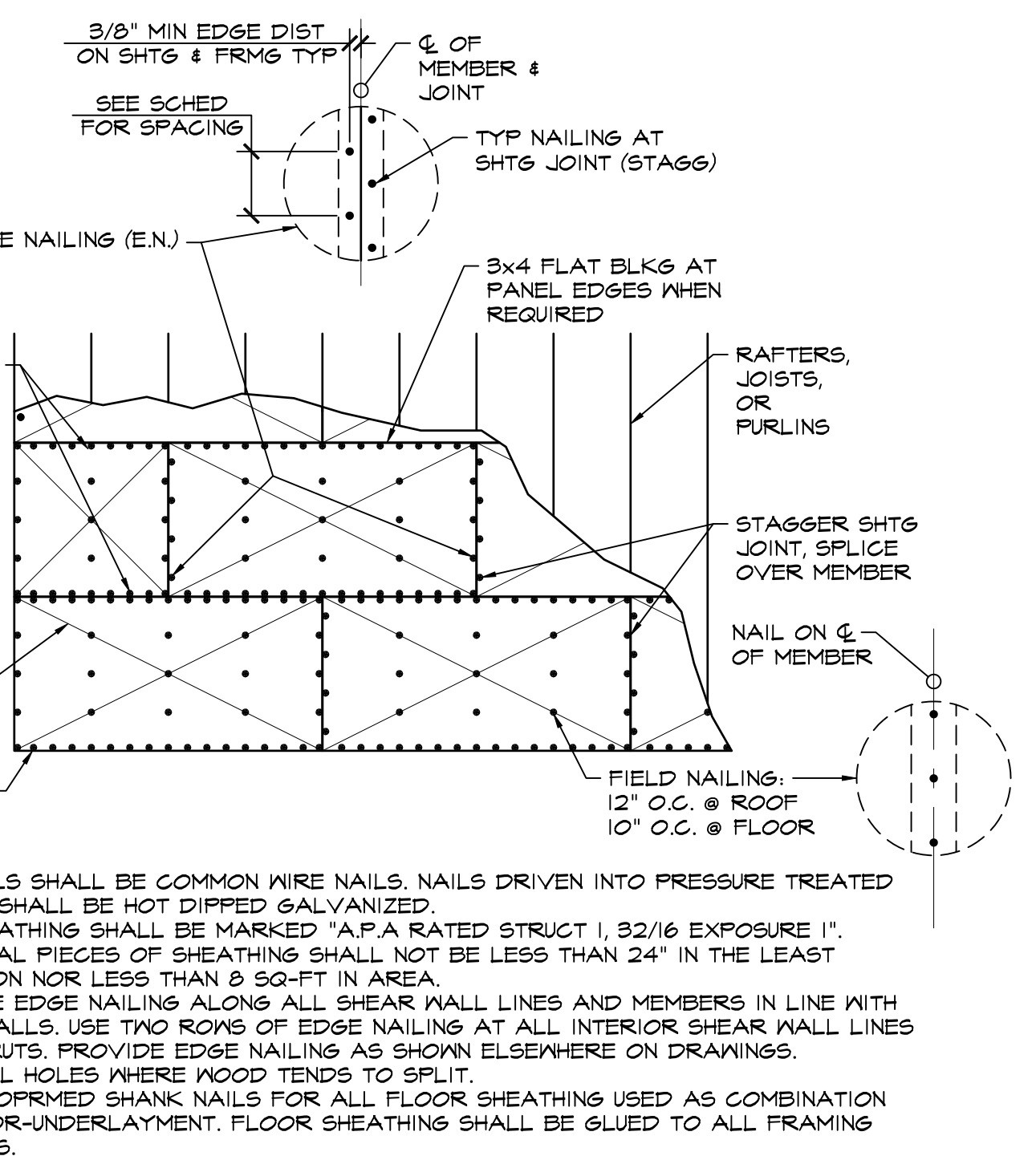
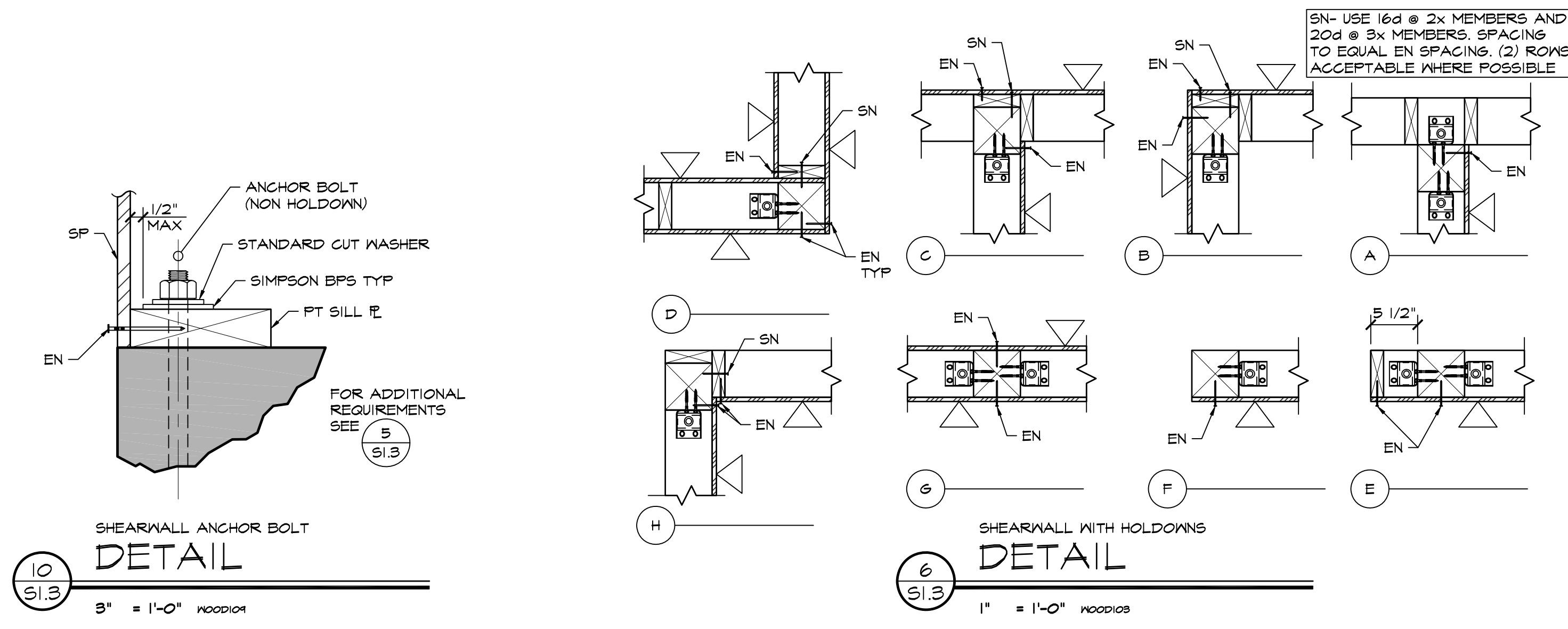
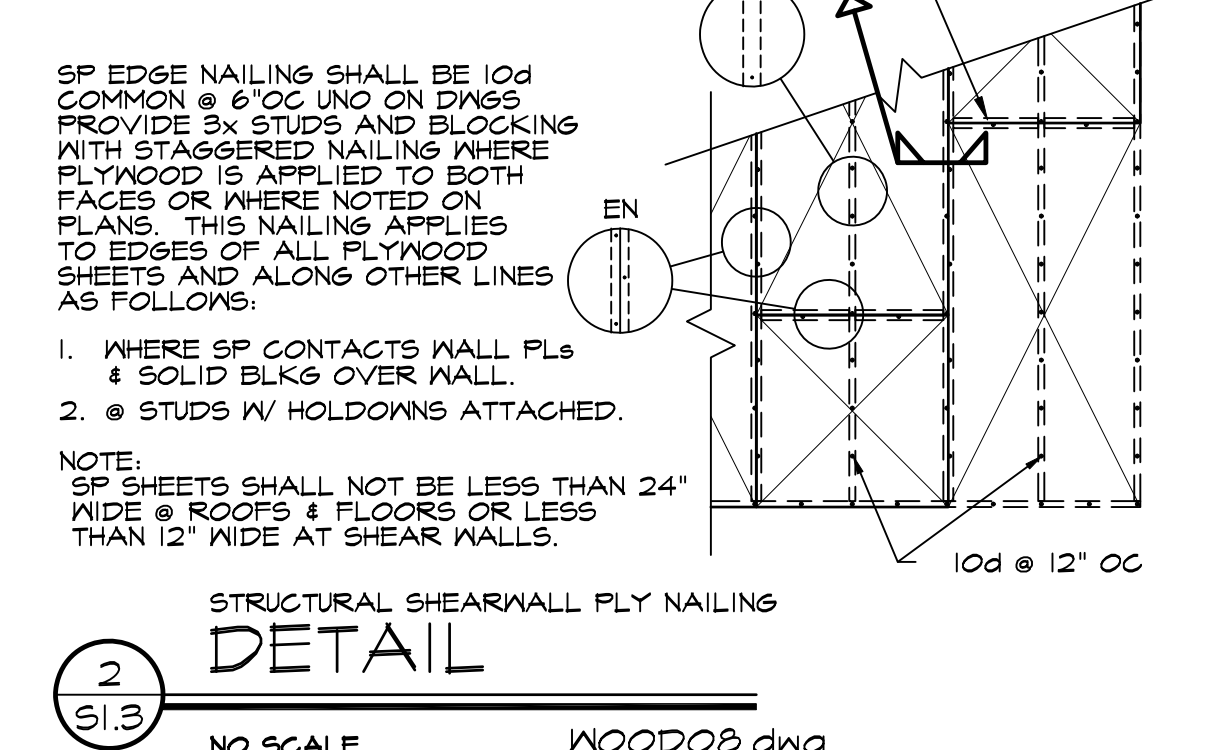
SEE SCHED NOTES ABOVE

HOLDOWN SCHEDULE

MARK	HOLDOWN	ANCHOR BOLT	AB (MIN) EMBED	STUD FASTENERS	90% ALLOWABLE TENSION K
2	HDU2-SDS2.5	5/8" dia	11"	(6) SDS 1/4x2 1/2 WOOD SCREWS	2.5
4	HDU4-SDS2.5	5/8" dia	12"	(10) SDS 1/4x2 1/2 WOOD SCREWS	3.7

NOTES:
 1. PROVIDE 6x POST THE SAME DEPTH AS THE WALL STUDS AT EACH HOLDOWN UNO
 2. PROVIDE SHEAR WALL NAILING TO POST FULL HEIGHT
 3. FOR TYP HOLDOWN DETAIL SEE 4 S1.3

4. HD ARE SIMPSON STRONG TIE PRODUCTS.
 5. HOLD DOWN ANCHOR RODS SHALL BE ASTM F1554 GR. 36



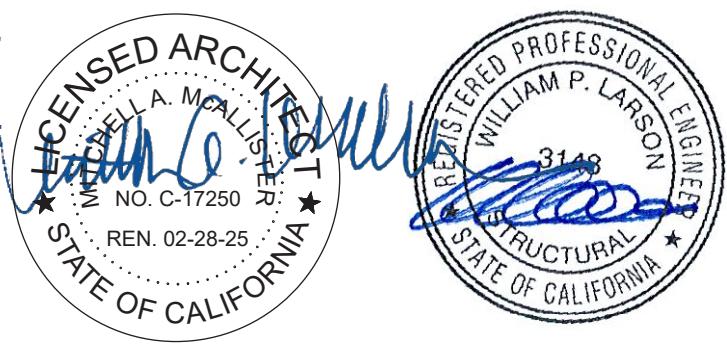
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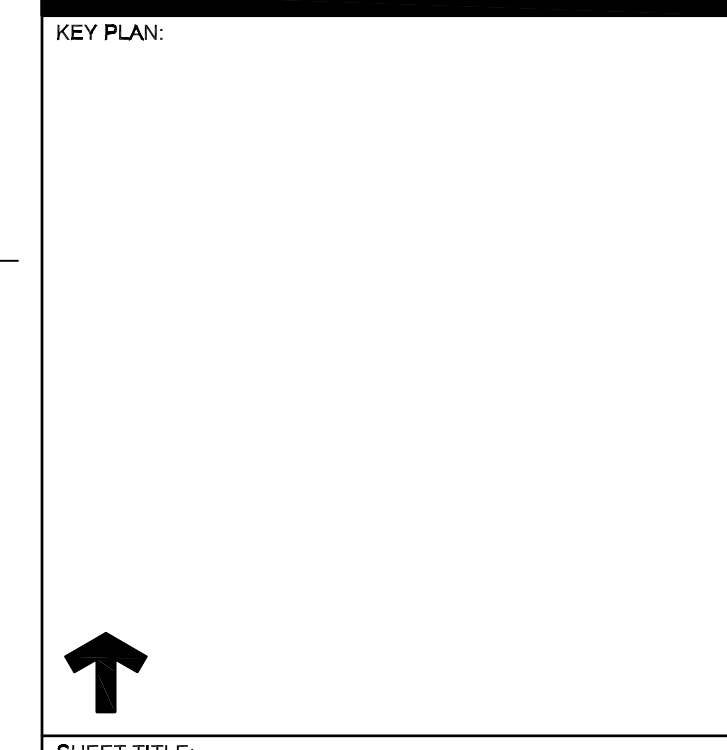
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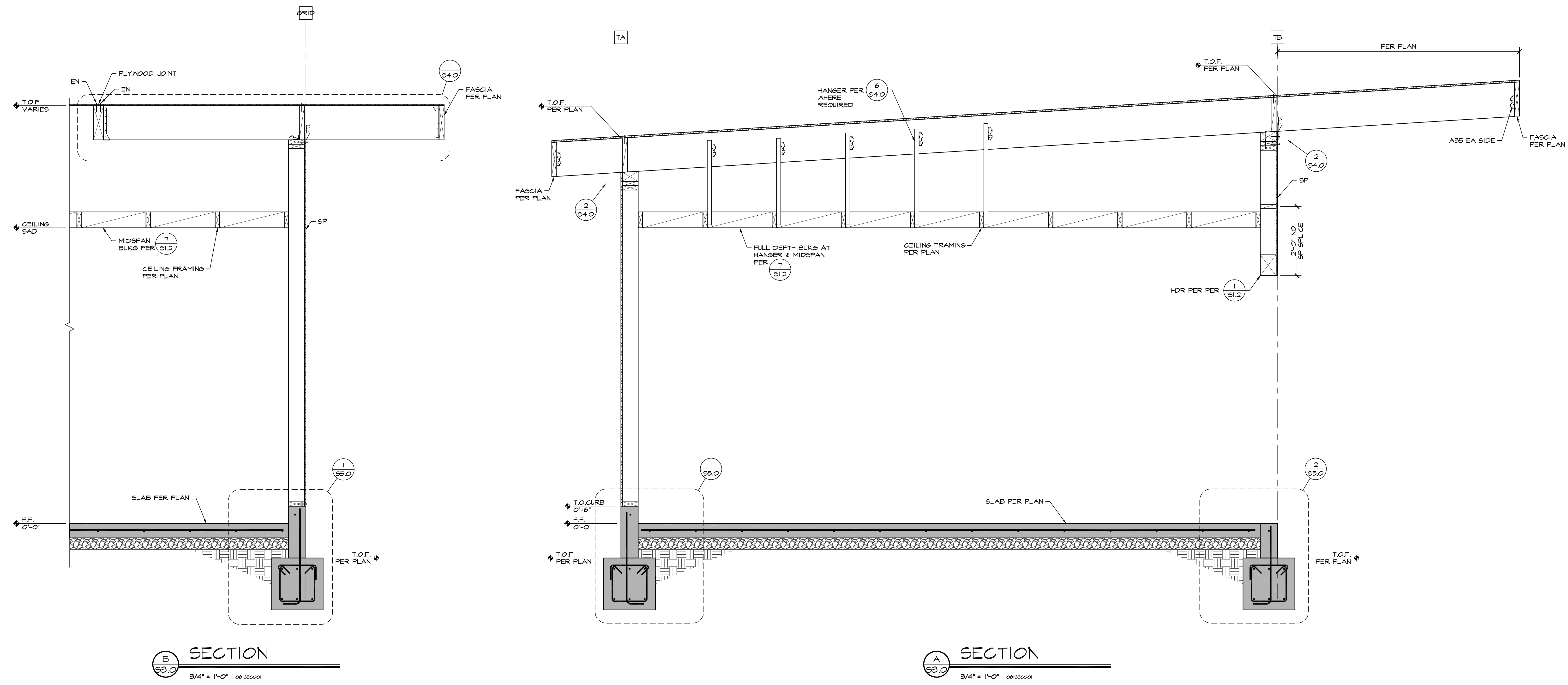
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SACRAMENTO COUNTY



SHEET TITLE SECTIONS	
JOB NUMBER: 2022-081	SHEET NUMBER: S3.0
DATE: NOV 14, 2022	
REVISION:	



B SECTION
 3/4" = 1'-0" 08/16/2021

A SECTION
 3/4" = 1'-0" 08/16/2021

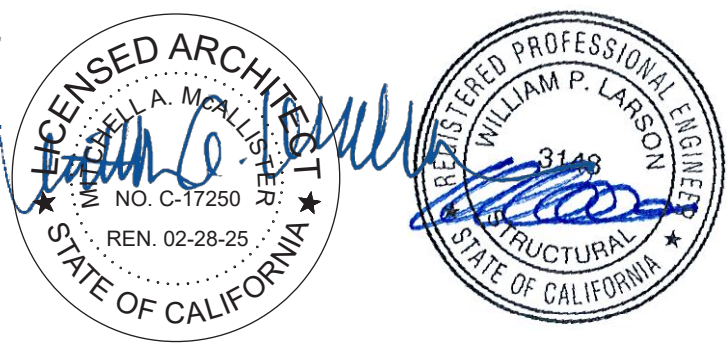
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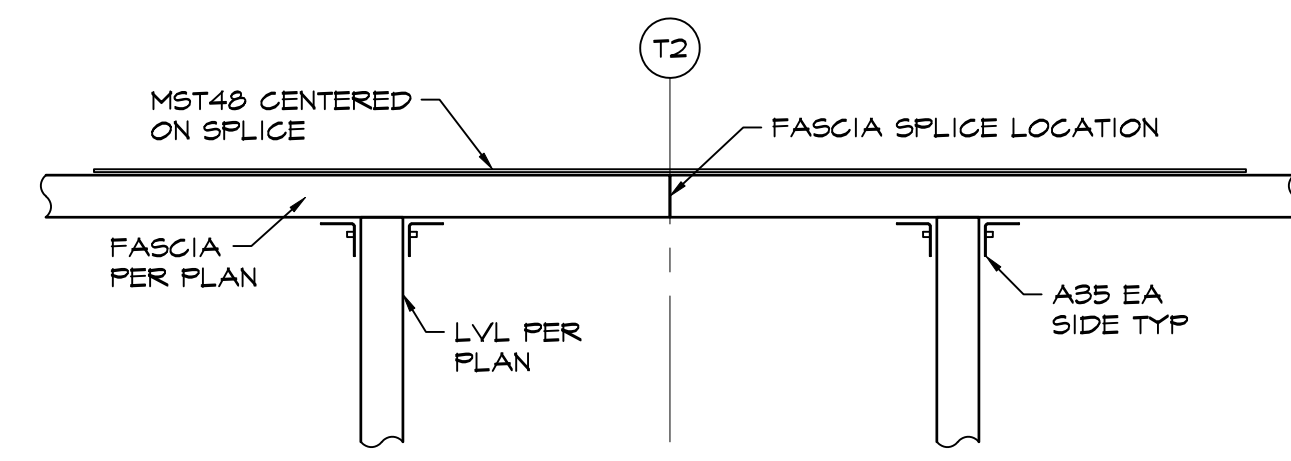
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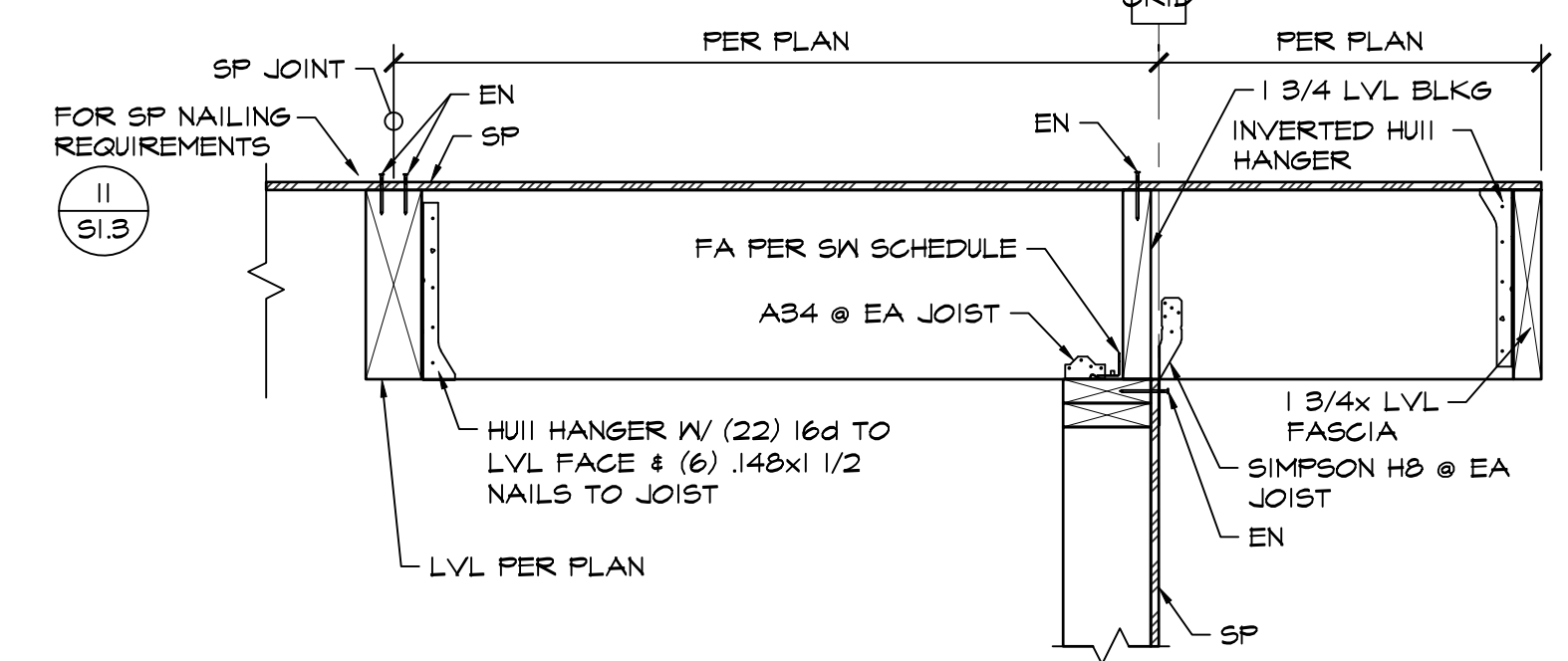
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SHEET TITLE
DETAILS

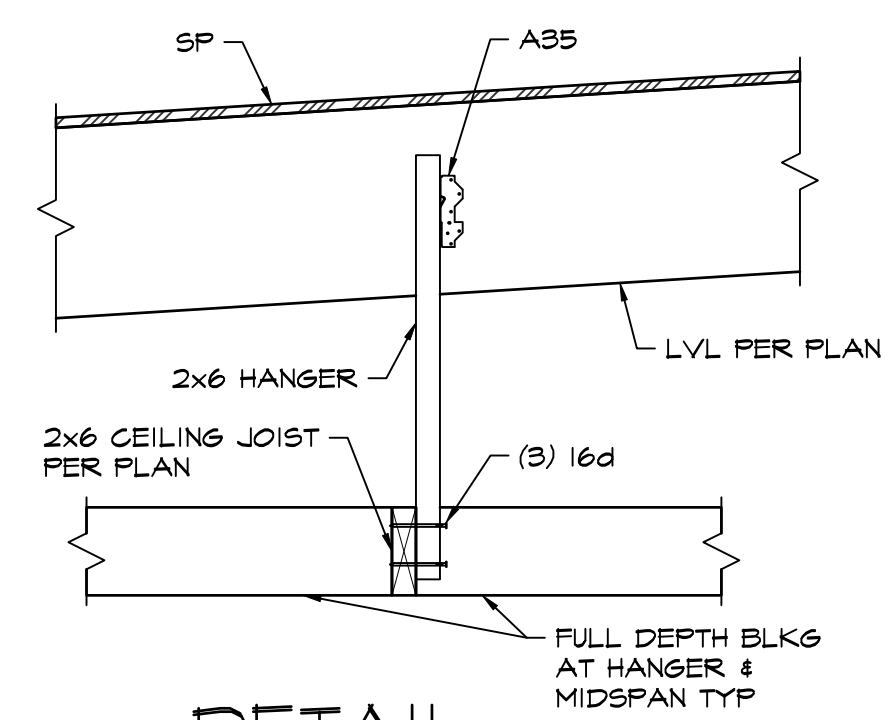
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DATE: NOV 14, 2022	
REVISION:	



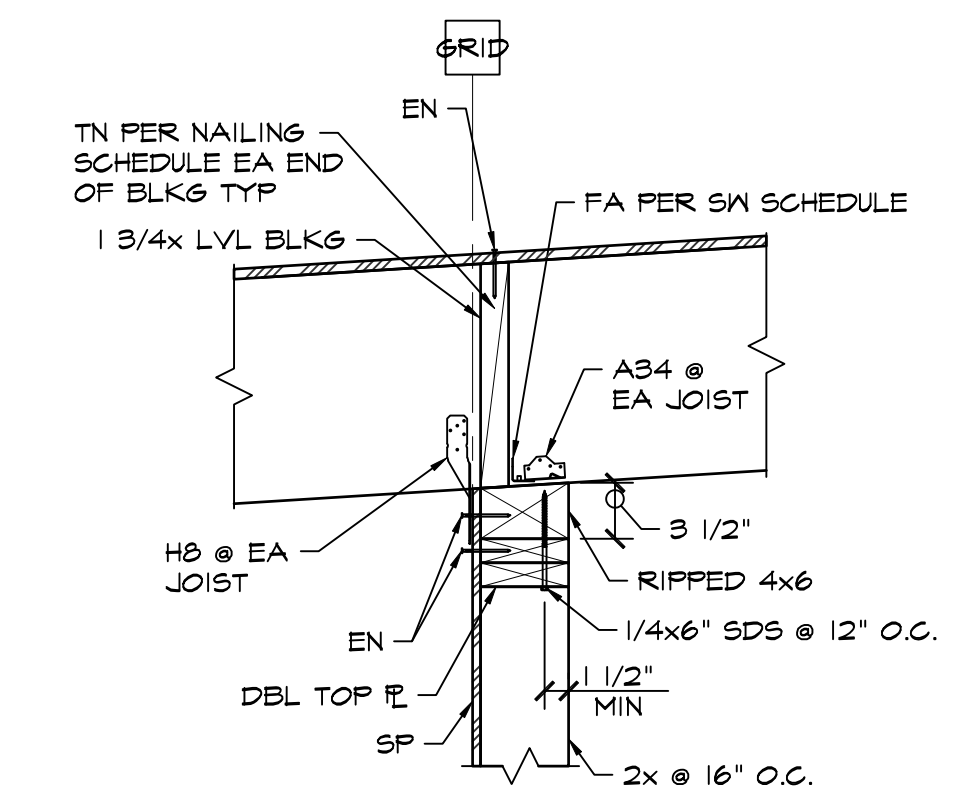
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 DETAIL
 1 1/2" = 1'-0" @ 04/12/2023



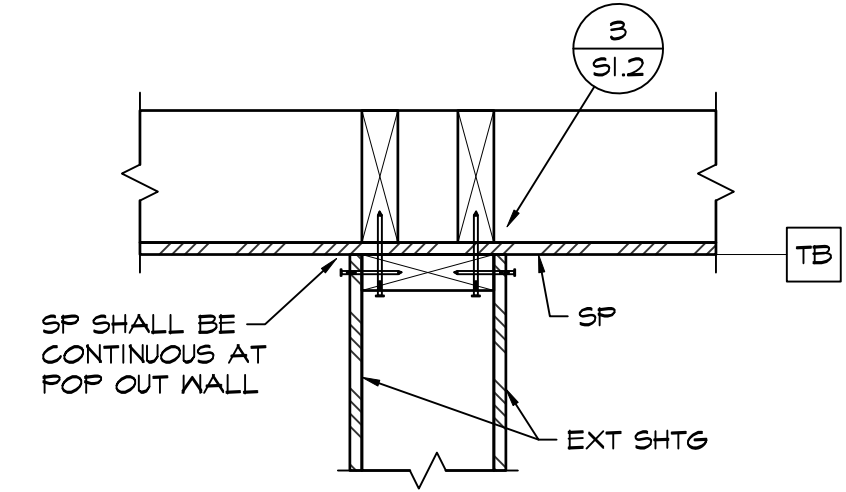
1
 DETAIL
 1" = 1'-0" @ 04/12/2023



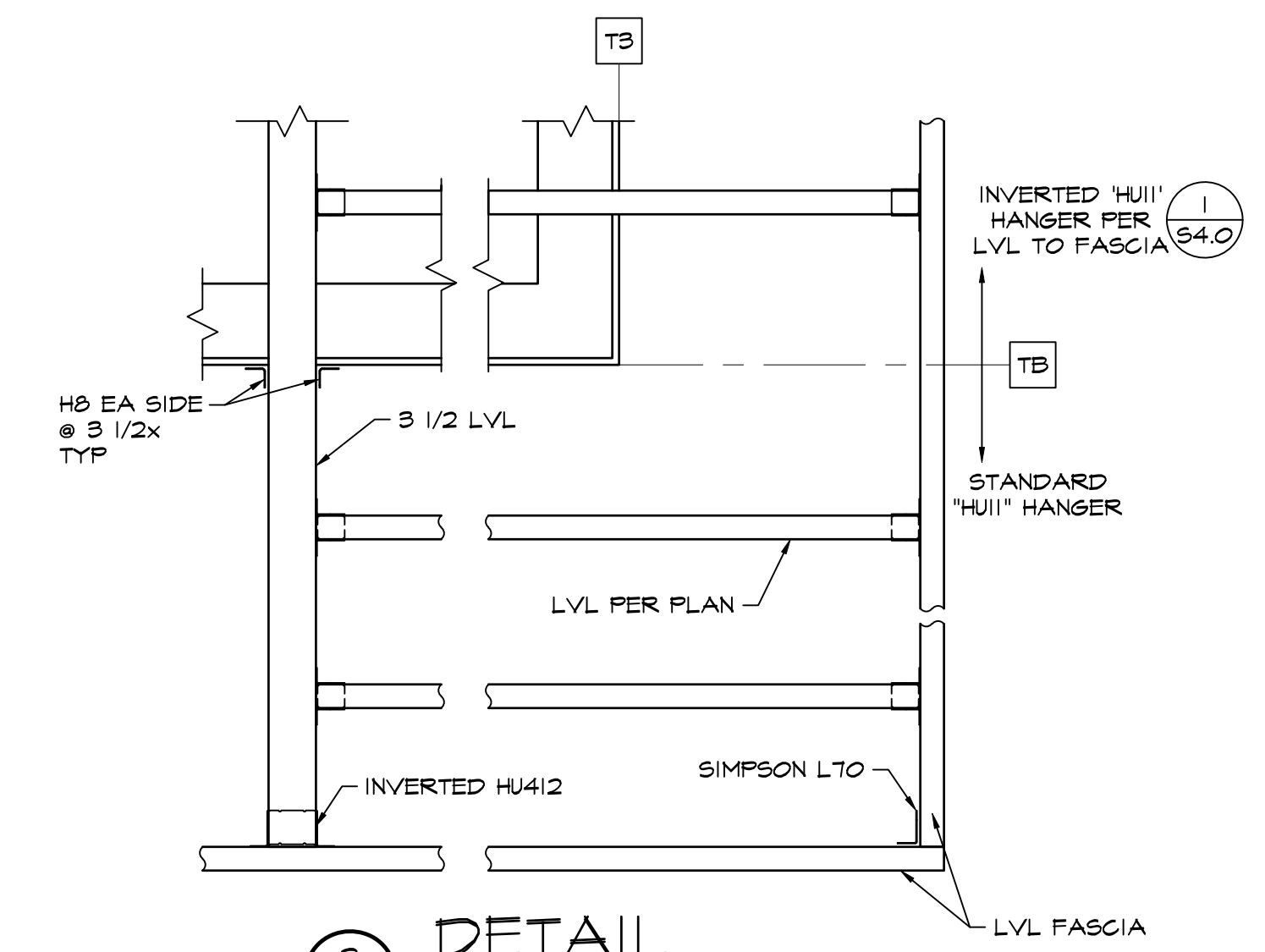
6
 DETAIL
 1" = 1'-0" @ 04/12/2023



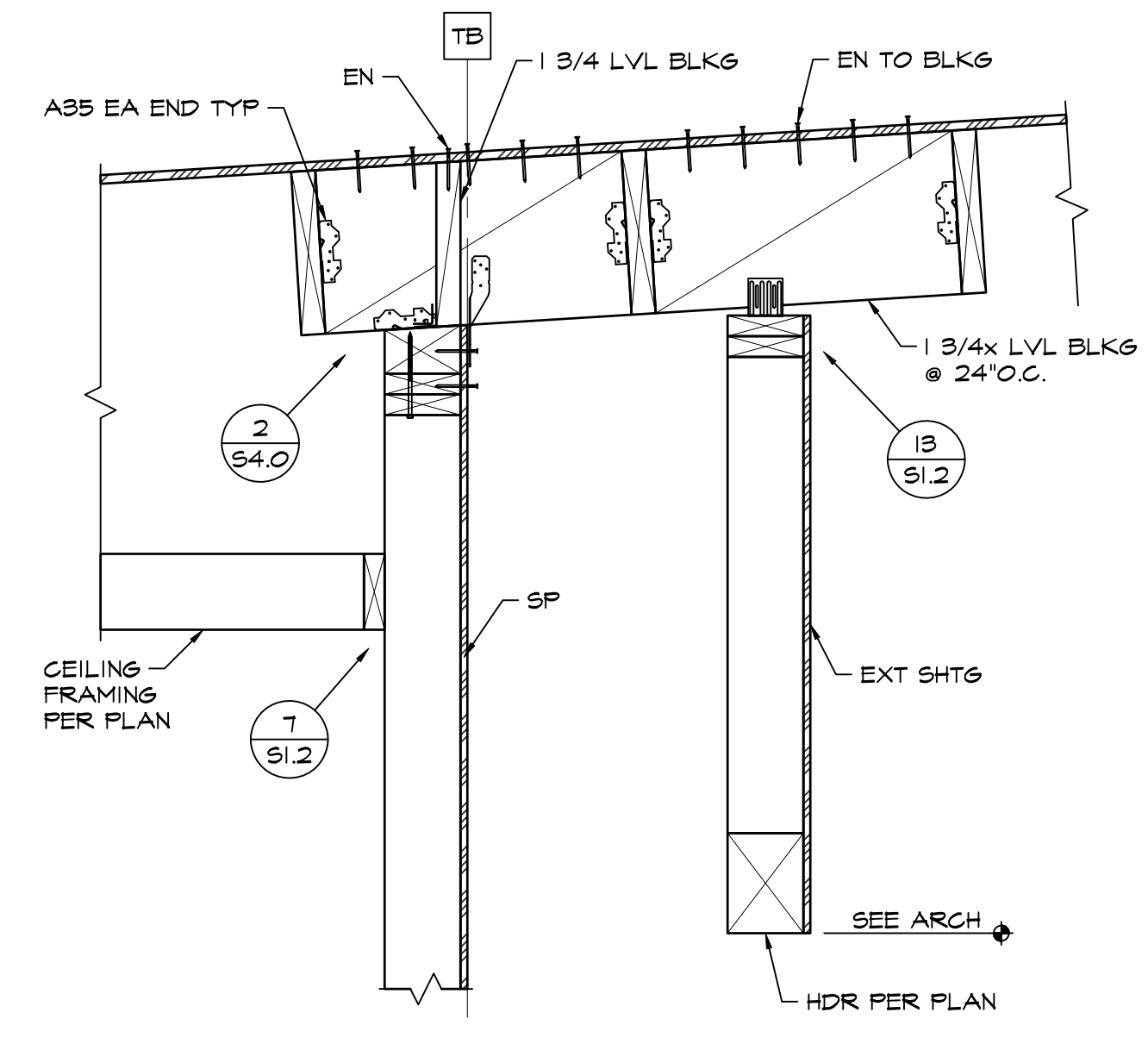
4
 DETAIL
 1" = 1'-0" @ 04/12/2023



7
 DETAIL
 1 1/2" = 1'-0" @ 04/12/2023



3
 DETAIL
 1" = 1'-0" @ 04/12/2023



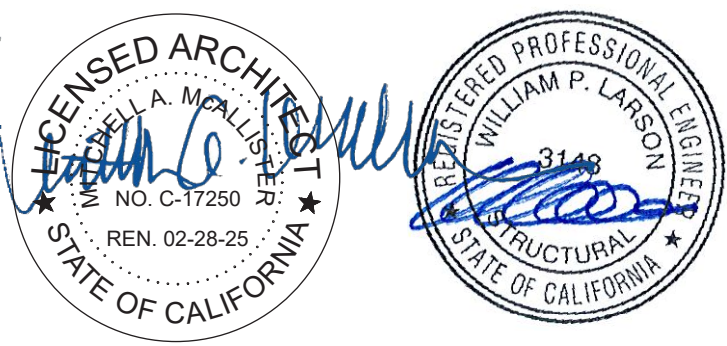
2
 DETAIL
 1" = 1'-0" @ 04/12/2023



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PROJECT NAME
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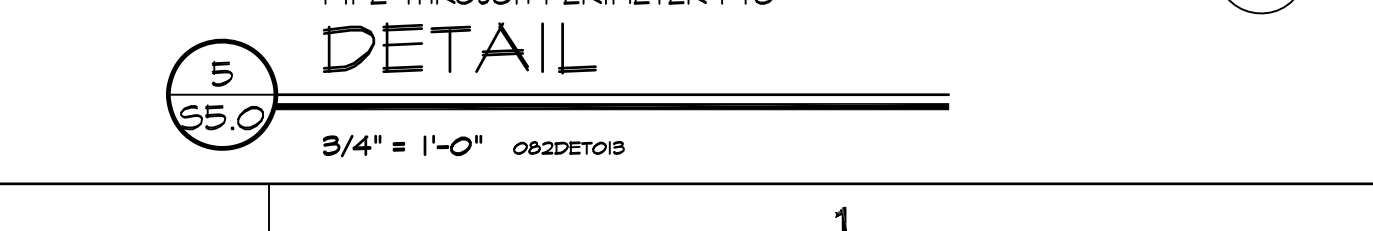
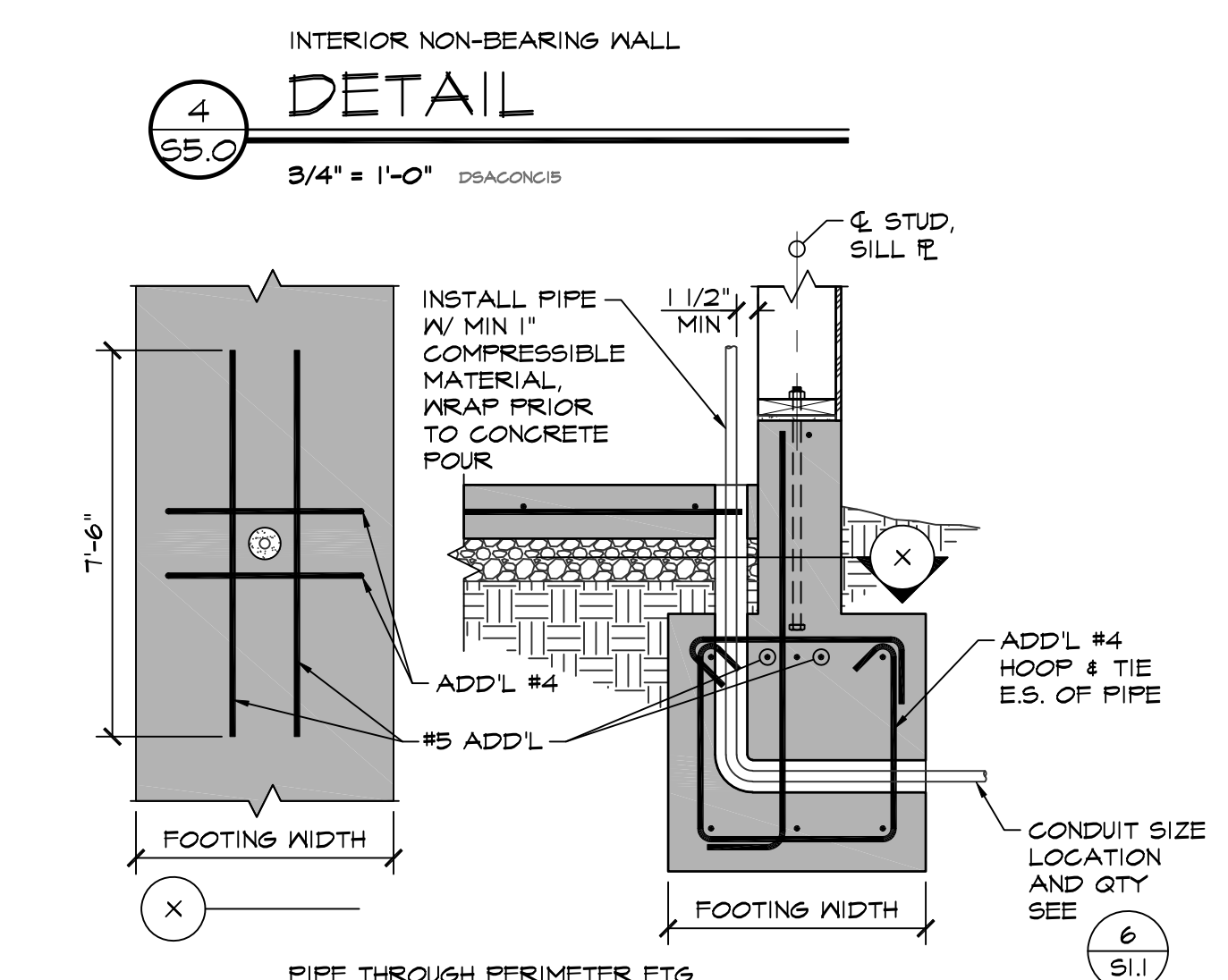
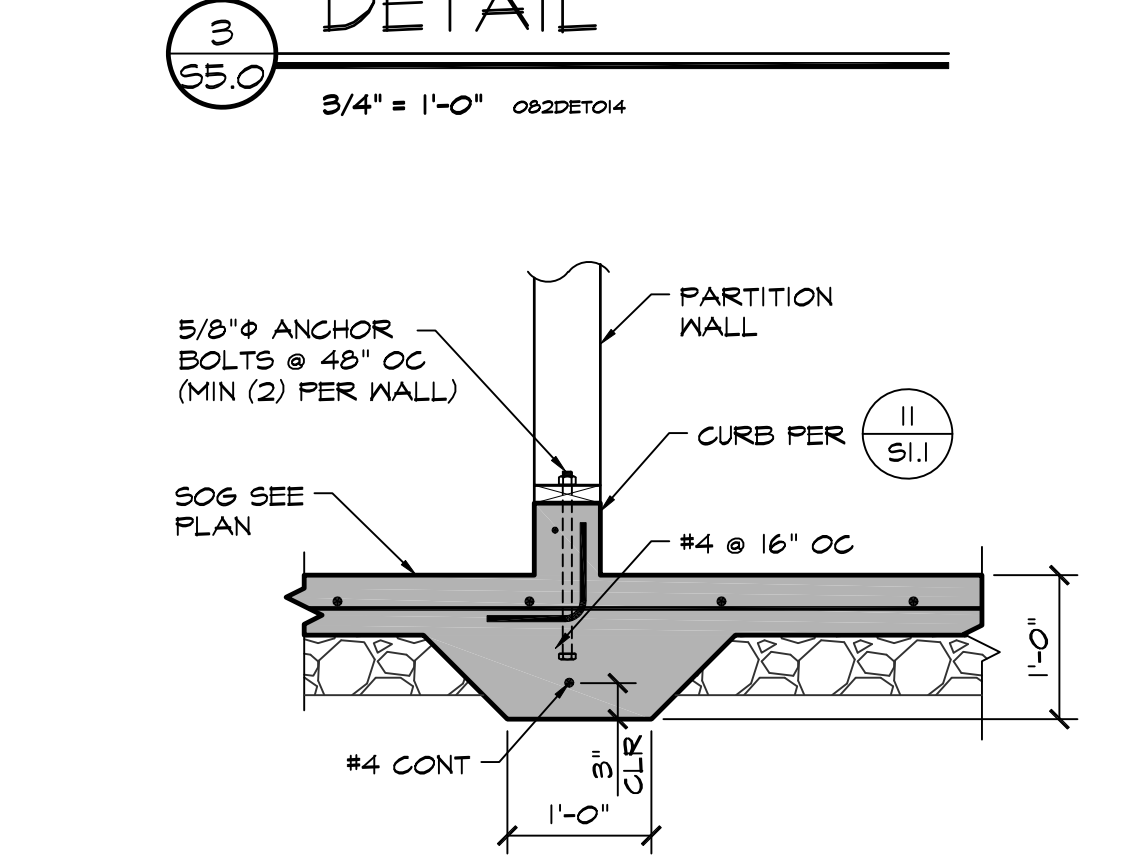
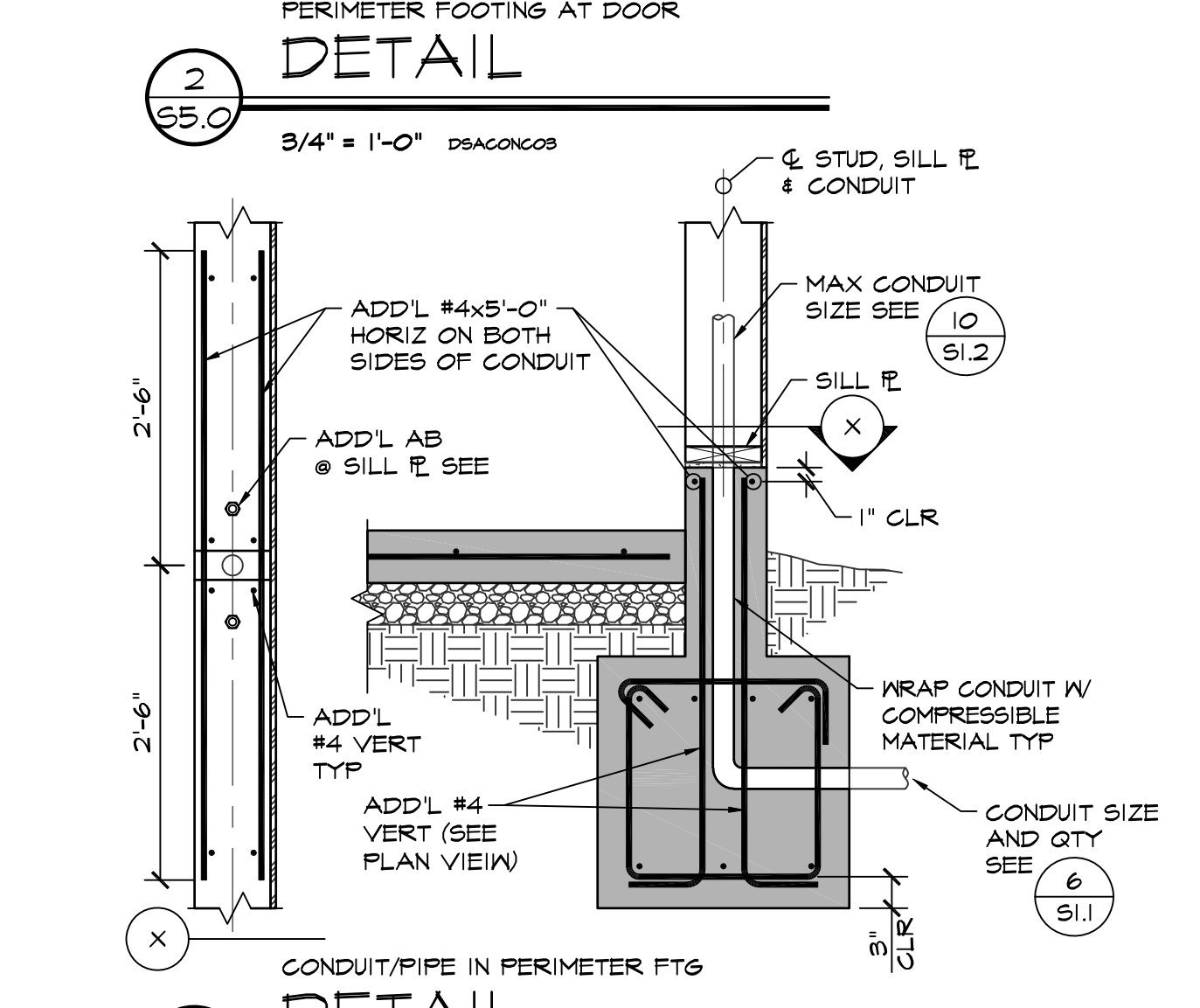
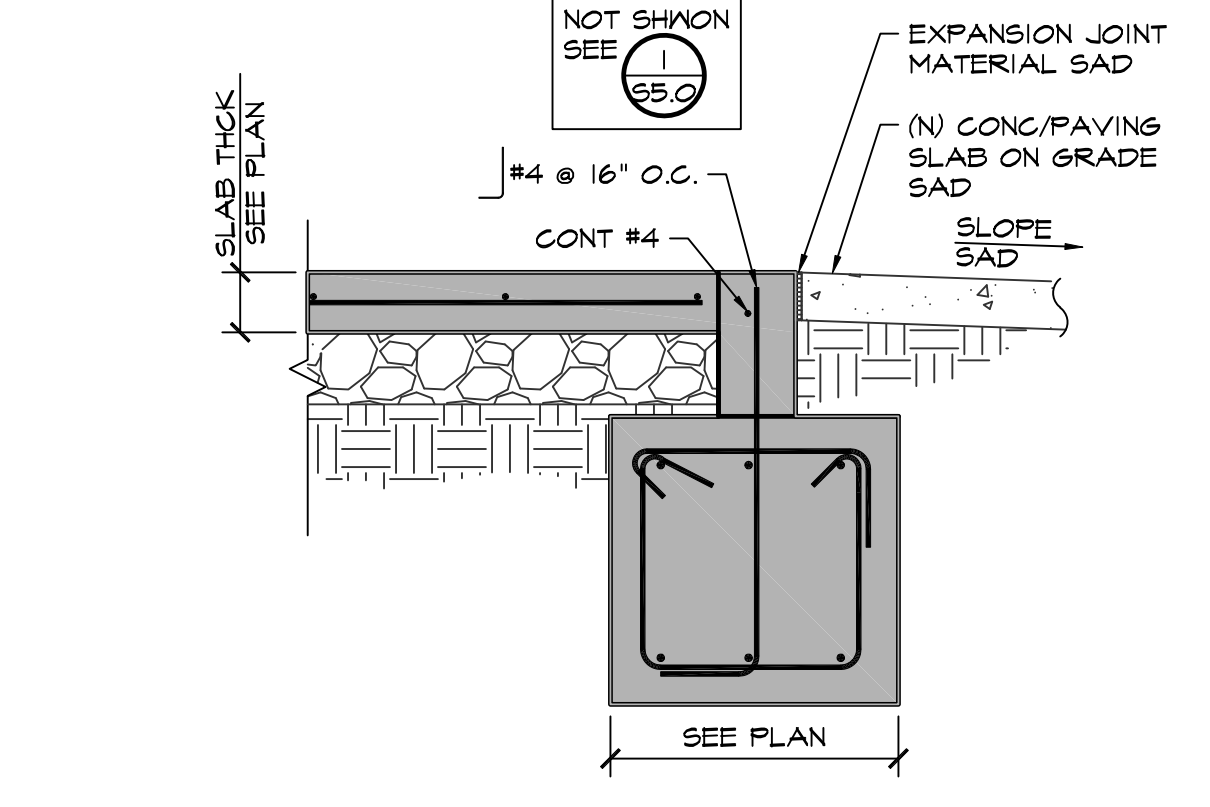
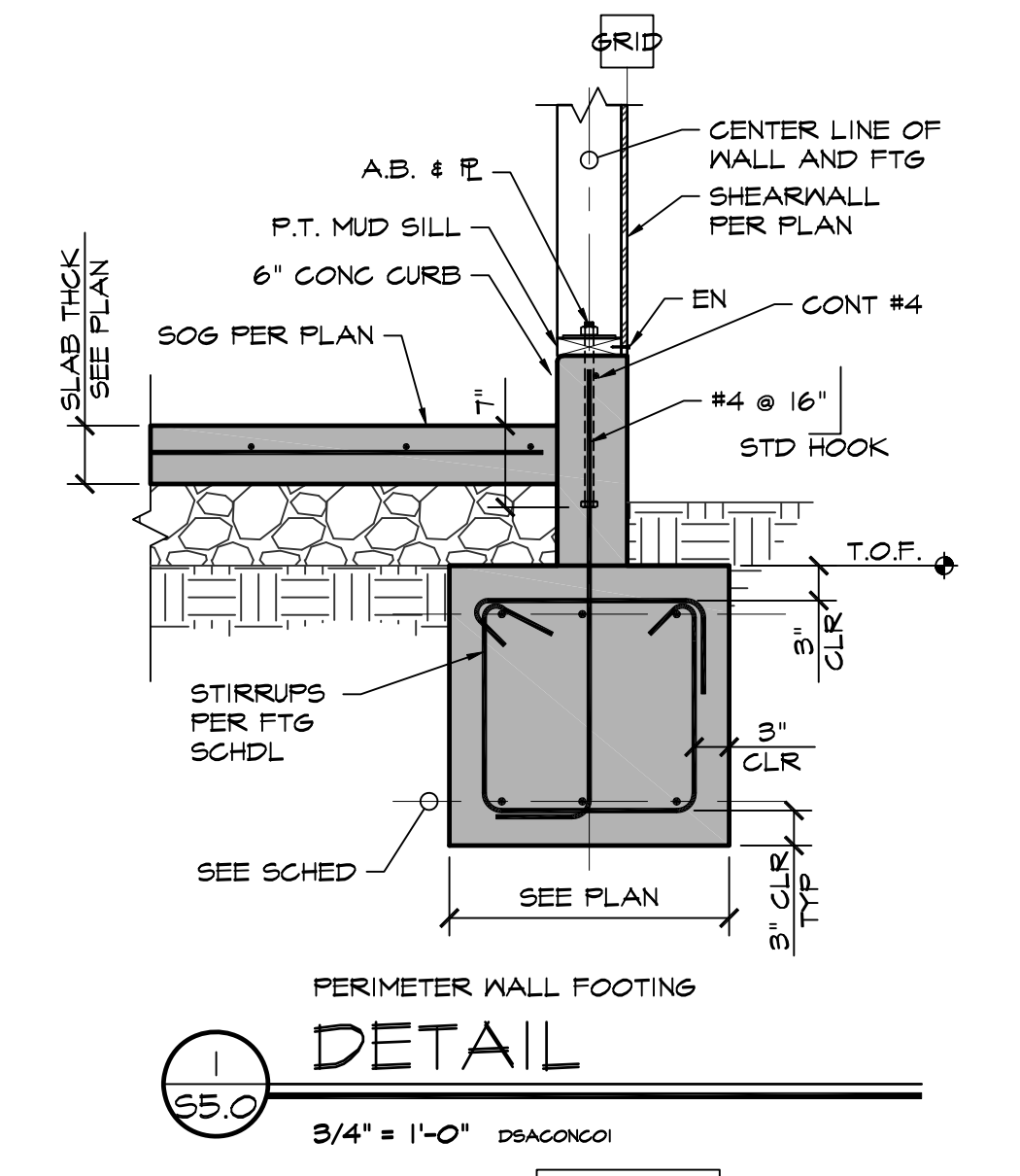
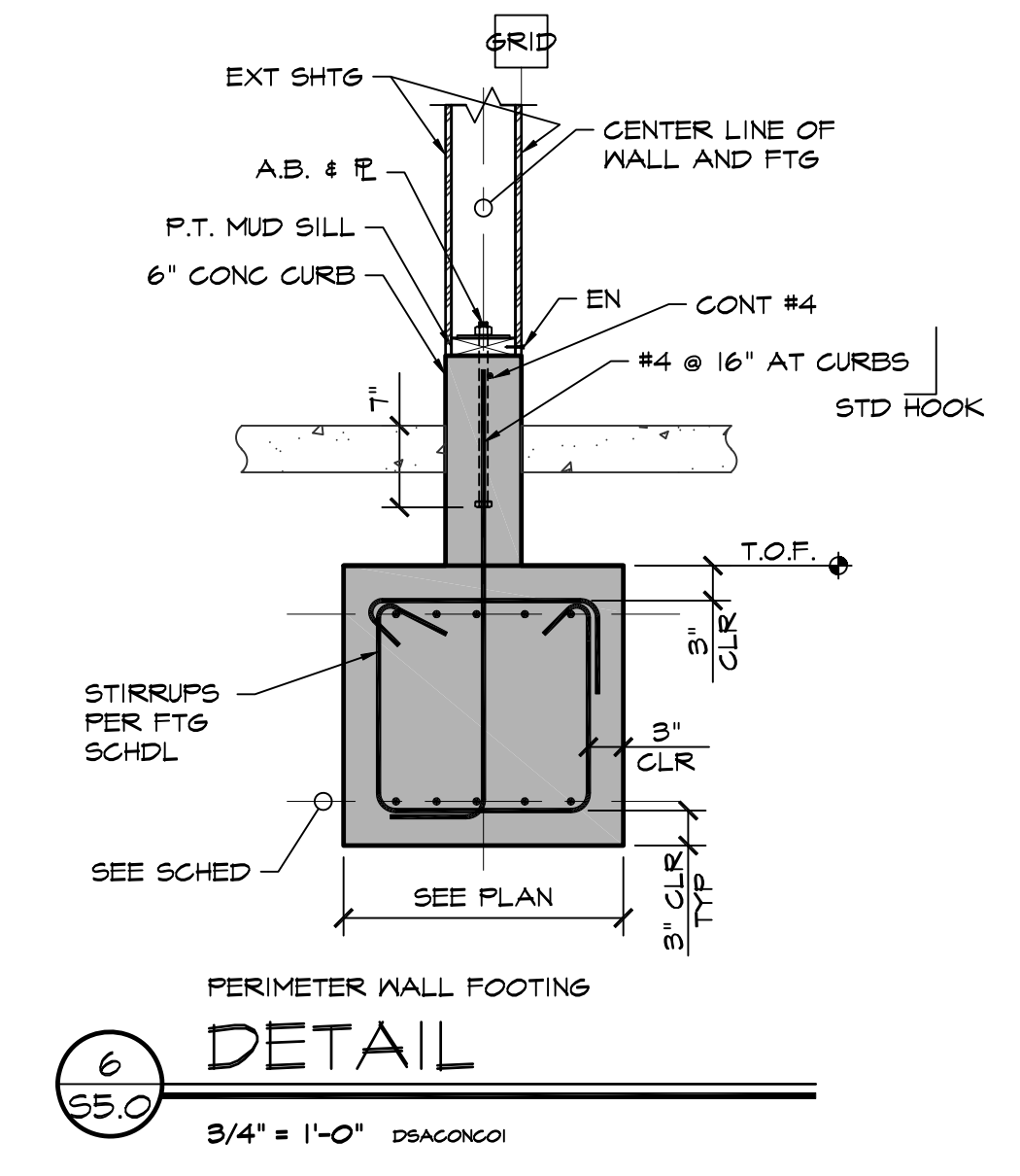
SACRAMENTO COUNTY

KEY PLAN:

↑

SHEET TITLE
DETAILS

JOB NUMBER: 2022-081	SHEET NUMBER: 6
DATE: NOV 14, 2022	
REVISION:	S5.0



MECHANICAL NOTES

- MECHANICAL AND PLUMBING DETAILS APPLY TO ALL BUILDINGS WHETHER REFERENCED OR NOT.
- PROVIDE FIRE STOPPING ASSEMBLY PROTECTION FOR DUCT AND PIPE PENETRATIONS OF RATED ASSEMBLIES. FIRE STOP RATING SHALL MATCH RATED ASSEMBLY BEING PENETRATED.
- CONTRACTOR TO OFFSET DUCTWORK AND PIPING AROUND SKYLIGHTS.
- CONTRACTOR TO OFFSET DUCTWORK AND PIPING AROUND ROOF ACCESS LADDERS.
- REFERENCE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DIFFUSERS/GRILLES.
- DUCTWORK AND/OR PIPING SHALL NOT PENETRATE INTO, OVER, OR THROUGH IT CLOSETS OR ELECTRICAL ROOMS UNLESS IT SERVES THAT SPECIFIC ROOM.
- DRAWINGS SHALL BE CONSIDERED DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO SHOW EVERY OFFSET, FITTING, OR STRUCTURAL DIFFICULTY THAT MAY BE ENCOUNTERED DURING INSTALLATION OF WORK. THE CONTRACTORS SHALL COORDINATE LOCATION OF ALL DUCTWORK AND PIPING WITH ALL OTHER TRADES ON THIS PROJECT. LOCATION OF ALL ITEMS NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. EXACT LOCATIONS NECESSARY TO SECURE BEST CONDITIONS AND RESULTS MUST BE DETERMINED AT THE JOB SITE AND SHALL HAVE THE APPROVAL OF THE ARCHITECT BEFORE BEING INSTALLED.
- CEILING SUPPLY AIR DIFFUSERS TO HAVE 4-WAY BLOW PATTERN UNLESS SHOWN OTHERWISE.
- ALL VALVES SHALL BE FULL LINE SIZES UNLESS NOTED OTHERWISE.
- DUCTWORK AND PIPING (NOT REQUIRING SEISMIC RESTRAINTS) SHALL BE SUPPORTED IN ACCORDANCE TO SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL AND PLUMBING PIPING SYSTEMS".
- ACCESS PANELS SHALL BE PROVIDED AS NECESSARY TO PROPERLY ACCESS THE VALVES, EQUIPMENT, ACTUATORS, AND DAMPERS.
- REFERENCE ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS, EXACT LOCATIONS OF DIFFUSERS, GRILLES, AND MOUNTING HEIGHTS.
- CONCEAL ALL PIPING AND DUCTWORK IN WALL FURRINGS, PARTITIONS, ABOVE CEILINGS, EXCEPT IN MECHANICAL ROOMS OR WHERE NOTED OTHERWISE.
- THERMOSTATS TO BE INSTALLED AT 46" AFF (TOP OF THERMOSTAT). DO NOT INSTALL THERMOSTATS OVER CASEWORK OR SHELVING OVER 24" IN DEPTH AND 34" IN HEIGHT.

ANCHORAGE / BRACING NOTES

- ALL MECHANICAL AND PLUMBING COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONTRACT DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTION 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16, CHAPTERS 13, 26 AND 30.
- ALL PERMANENT EQUIPMENT AND COMPONENTS.
 - 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 CONNECTION EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
 - 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.
 - MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS OR HAS A CENTER MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL, THAT DIRECTLY SUPPORT THE COMPONENT ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.
- THE FOLLOWING MECHANICAL 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 AND PIPING. FLEXIBLE CONNECTION MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.
- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
 - 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 AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBILITY CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.
- PIPING AND DUCTWORK SYSTEM BRACING NOTE:**
 PIPING AND DUCTWORK SHALL BE BRACED TO COMPLY THE FORCE AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.
- THE METHOD OF SHOWING BRACING AND ATTACHMENT TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G. SMACNA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.
- MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD),**
 - MP MD - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTED AND DETAILS.
 X MP X MD - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM), MASON OPM-0043-13 SEISMIC RESTRAINT SYSTEMS GUIDELINE.

CEILING EXHAUST AND INLINE FAN SCHEDULE

SYMBOL	MANUFACTURER & MODEL NUMBER	TOTAL CFM	EXTERNAL SP (INCHES W.C.)	MOTOR HP (WATTS)	MOTOR RPM	ELECTRICAL	MAXIMUM UNIT WEIGHT (LBS.)
	COOK MODEL: 100SQND17DEC	550	0.25	0.25	1,000	120v / 1Ø / 60 Hz	75
	COOK MODEL: 100SQND17DEC	550	0.25	0.25	1,000	120v / 1Ø / 60 Hz	75

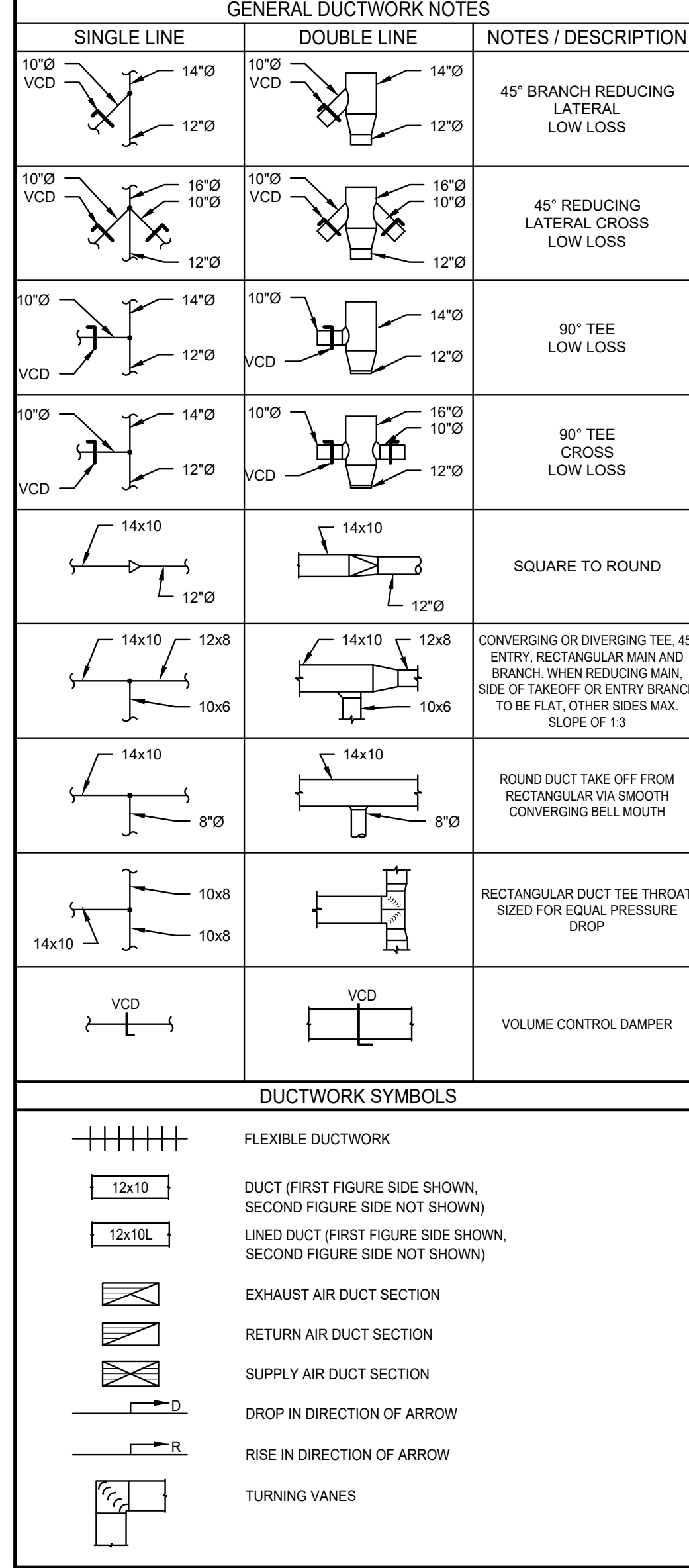
NOTES:

- PROVIDE WITH THERMAL OVERLOAD PROTECTED MOTOR AND COOK AIR BALANCE KIT VFABK.
- LISTED MAXIMUM UNIT WEIGHT INCLUDES ALL ACCESSORIES (BIRDSCREENS, BACKDRAFT DAMPERS, ETC.).
- SEE DETAIL 3M6.1 FOR EXHAUST FAN MOUNTING DETAIL.
- PROVIDE INTERMATIC TIME CLOCK FOR EF1 & EF2. FANS SHALL BE SCHEDULED TO OPERATE DURING NORMAL SCHOOL HOURS.

TITLE 24 EXEMPTION

PER SECTION 100.1 IN THE 2022 BUILDING ENERGY EFFICIENCY STANDARDS FOR RESIDENTIAL AND NONRESIDENTIAL BUILDINGS, A CONDITIONED SPACE IS AN ENCLOSED SPACE THAT IS PROVIDED WITH WOOD HEATING, MECHANICAL HEATING THAT HAS A CAPACITY EXCEEDING 10 BTUHR - FT², OR MECHANICAL COOLING THAT HAS A CAPACITY EXCEEDING 5 BTUHR - FT². THE PROJECT AREA IS 573 SQFT. NO MECHANICAL COOLING IS BEING PROVIDED TO TEMPER OR CONDITION THE SPACE AND THEREFORE IS NOT A CONDITIONED SPACE. TITLE 24 TABLE 100.0-A INDICATES THAT THE HVAC MANDATORY MEASURES ARE ONLY REQUIRED FOR CONDITIONED SPACES. BECAUSE OUR SPACE IS NOT CONSIDERED CONDITIONED PER TITLE 24 100.1 NO MECHANICAL FORMS ARE REQUIRED.

DUCTWORK LEGEND



APPLICABLE CODES

- ALL WORK PERFORMED UNDER THIS CONTRACT IS TO CONFORM TO THE FOLLOWING CODES AND REGULATIONS:
- CALIFORNIA CODE OF REGULATIONS - TITLE 24
 - CALIFORNIA BUILDING CODE, 2022
 - CALIFORNIA MECHANICAL CODE, 2022
 - CALIFORNIA PLUMBING CODE, 2022
 - CALIFORNIA FIRE CODE, 2022
 - CALIFORNIA ELECTRICAL CODE, 2022
 - CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS, 2022
- THE ABOVE CODES AND REGULATIONS REFER TO THE LATEST EDITION OR REVISION IF FORCE ON THE DATE OF THE CONTRACT, UNLESS OTHERWISE STATED. NOTHING ON THE DRAWINGS IS TO BE CONSTRUED AS REQUIRING OR PERMITTING WORK THAT IS CONTRARY TO THE LISTED CODES AND REGULATIONS, OR OTHER LOCAL, STATE OR FEDERAL CODES OR REGULATIONS WHICH MAY BE APPLICABLE.

MECHANICAL LEGEND

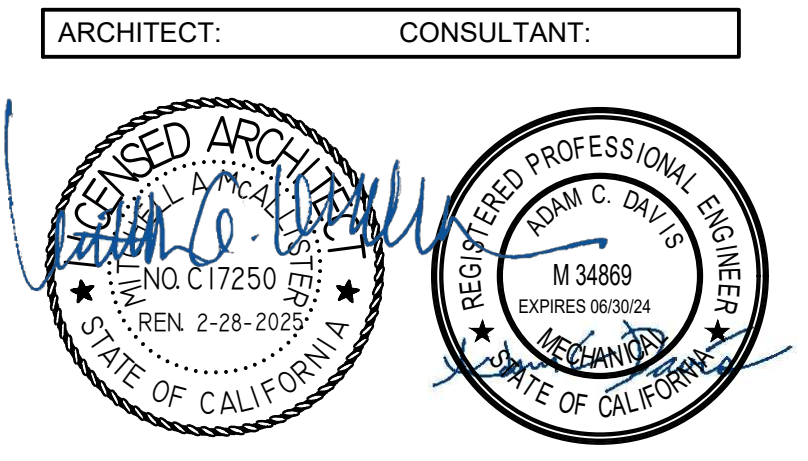
ABBREVIATIONS			
ABC	ABOVE FINISHED CEILING	FLR	FLOOR
AC	AIR CONDITIONING	FRM	FEET PER MINUTE
ACU	AIR CONDITIONING UNIT	FS	FLOW SWITCH
AD	ACCESS DOOR	FSD	FIRE SMOKE DAMPER
AF	ABOVE FINISHED FLOOR	FT	FEET
AFC	ABOVE FINISHED CEILING	GA	GAUGE
AHU	AIR HANDLING UNIT	GC	GENERAL CONTRACTOR
AP	ACCESS PANEL	GALV	GALVANIZED
APD	AIR PRESSURE DROP	GSM	GALVANIZED SHEET METAL
AVV	AUTOMATIC AIR VENT	GPH	GALLONS PER HOUR
ARCH	ARCHITECT	GPM	GALLONS PER MINUTE
BAS	BUILDING AUTOMATION SYSTEM	GV	GATE VALVE
BDD	BACK DRAFT DAMPER	HC	HEATING COIL
BF	BELOW FLOOR	HP	HORSEPOWER
BHP	BRAKE HORSEPOWER	HPR	HIGH PRESSURE CONDENSATE RETURN
BDD	BOTTOM OF DUCT	HRS	HEAT RECOVERY SUPPLY
BOP	BOTTOM OF PIPE	HPS	HIGH PRESSURE STEAM, ABOVE 60 PSIG
BTUH	BRITISH THERMAL UNIT PER HOUR	HR	HOUR
BV	BUTTERFLY VALVE	HRP	HEAT RECOVERY PUMP
CA	COMPRESSED AIR	HRR	HEAT RECOVERY RETURN
CAP	CAPACITY	HRS	HEAT RECOVERY SUPPLY
CAV	CONSTANT AIR VOLUME	HVAC	HEATING VENTILATING & AIR CONDITIONING
CC	CENTER TO CENTER	HWP	HEATING WATER PUMP
CD	CONDENSATE DRAIN	HWR	HEATING WATER RETURN
CFM	CUBIC FEET PER MINUTE	HWS	HEATING WATER SUPPLY
CHWP	CHILLED WATER PUMP	HXR	HEAT EXCHANGER
CHWR	CHILLED WATER RETURN	ID	INSIDE DIAMETER
CHWS	CHILLED WATER SUPPLY	IN WC	INCHES OF WATER COLUMN
CJ2	CARBON DIOXIDE	KW	KILOWATTS
CJ	CONDENSING UNIT	KWH	KILOWATT HOUR
CV	CONTROL VALVE	LAT	LEAVING AIR TEMPERATURE
CWP	CONDENSING WATER PUMP	LBS	POUNDS
CWR	CONDENSING WATER RETURN	LDB	LEAVING DRY BULB
CWS	CONDENSING WATER SUPPLY	LWB	LEAVING WET BULB
D	DROP	LP	LOW PRESSURE
DB	DRY BULB TEMPERATURE	LPR	LOW PRESSURE CONDENSATE RETURN
DET	DETAIL	LPS	LOW PRESSURE STEAM, 5-15 PSIG
DIA	DIAMETER	LWT	LEAVING WATER TEMPERATURE
DIS	DEIONIZED (PURE) STEAM	LDA	LOCKED ROTOR AMPS
DN	DOWN	MAV	MANUAL AIR VENT
DS	DUCT SMOKE DETECTOR	MAX	MAXIMUM
DTR	DUCT THRU ROOF	MBH	1,000 BRITISH THERMAL UNITS PER HOUR
DWG	DRAWING	MC	MECHANICAL CONTRACTOR
(E)	EXISTING	MCC	MOTOR CONTROL CENTER
(ER)	EXISTING RELOCATED	MD	MANUEL DAMPER
EA	EXHAUST AIR	MFR	MANUFACTURER
EAD	EXHAUST AIR DAMPER	MN	MINIMUM
EAT	ENTERING AIR TEMPERATURE	MISC	MISCELLANEOUS
EF	EXHAUST FAN	MPR	MEDIUM PRESSURE CONDENSATE RETURN
ELEC	ELECTRICAL	MPR	MEDIUM PRESSURE CONDENSATE RETURN
ESP	EXTERNAL STATIC PRESSURE	(N)	NEW
ET	EXPANSION TANK	NC	NORMALLY CLOSED
EW	ENTERING WATER TEMPERATURE	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
°F	DEGREES FAHRENHEIT	NIC	NOT IN CONTRACT
FA	FROM ABOVE	NO	NORMALLY OPEN
FB	FROM BELOW	NTS	NOT TO SCALE
FC	FLEXIBLE CONNECTION	NA	NOT APPLICABLE
FCU	FAN COIL UNIT	OA	OUTSIDE AIR
FD	FIRE DAMPER	OAD	OUTSIDE AIR DAMPER
FF	FINAL FILTER	OBD	OPPOSED BLADE DAMPER
FFU	FANFILTER UNIT		
FLA	FULL LOAD AMPS		

SYMBOLS			
	BALL VALVE		BALANCE VALVE
	BUTTERFLY VALVE		CHECK VALVE
	LEVER HANDLE GAS COCK		PRESSURE REDUCING VALVE
	SOLENOID VALVE W/ MOTOR ACTUATOR		STRAINER
	PRESSURE GAUGE		THERMOMETER
	UNION		VALVE BOX
	CAP (END OF PIPE)		CIRCULATING PUMP
	ANGLE VALVE		PRESSURE OR TEMP. RELIEF VALVE
	ROOM THERMOSTAT		POINT OF CONNECTION
	POINT OF DISCONNECTION		ROOM NAME AND NUMBER
	ITEM TO BE REMOVED / DEMOTED		
	ITEM TO BE ABANDONED IN PLACE		



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 MECHANICAL ENGINEERS
 601 UNIVERSITY AVE, SUITE 260 | SACRAMENTO, CA 95825
 WESTON & ASSOCIATES #22-074

PROJECT NAME:
SEQUOIA ELEMENTARY SCHOOL
 3333 ROSEMONT DR
 SACRAMENTO, CA 95826

REPLACEMENT TOILET BUILDING AND SECURITY FENCING

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

SACRAMENTO COUNTY

KEY PLAN:

SHEET TITLE:
MECHANICAL - SCHEDULES LEGEND & NOTES

JOB NUMBER:	SHEET NUMBER:
DATE: APR 6, 2023	M0.1
REVISION:	

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120800 INC.
 REVIEWED FOR:
 SS FLS ACS
 DATE: 04/12/2023



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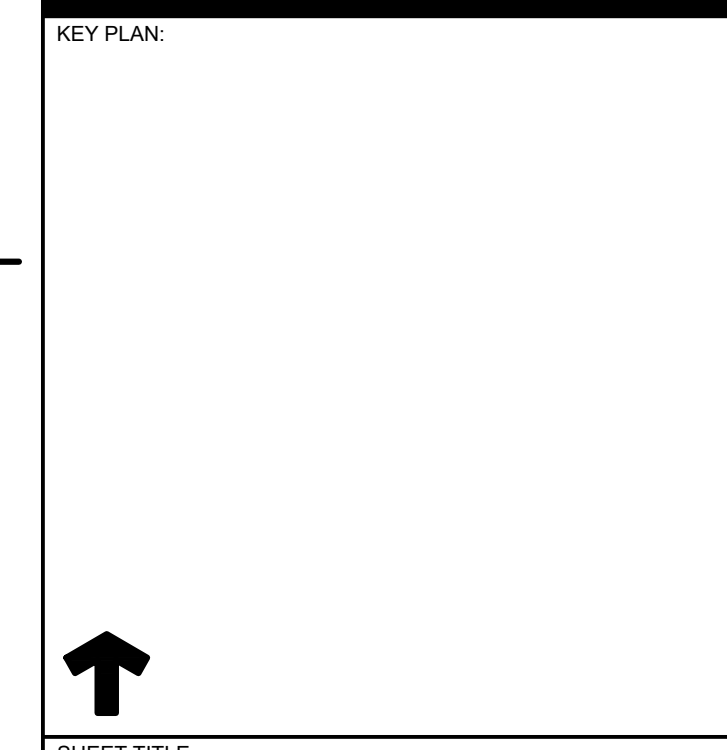
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SEQUOIA ELEMENTARY SCHOOL

3333 ROSEMONT DR
 SACRAMENTO, CA 95826

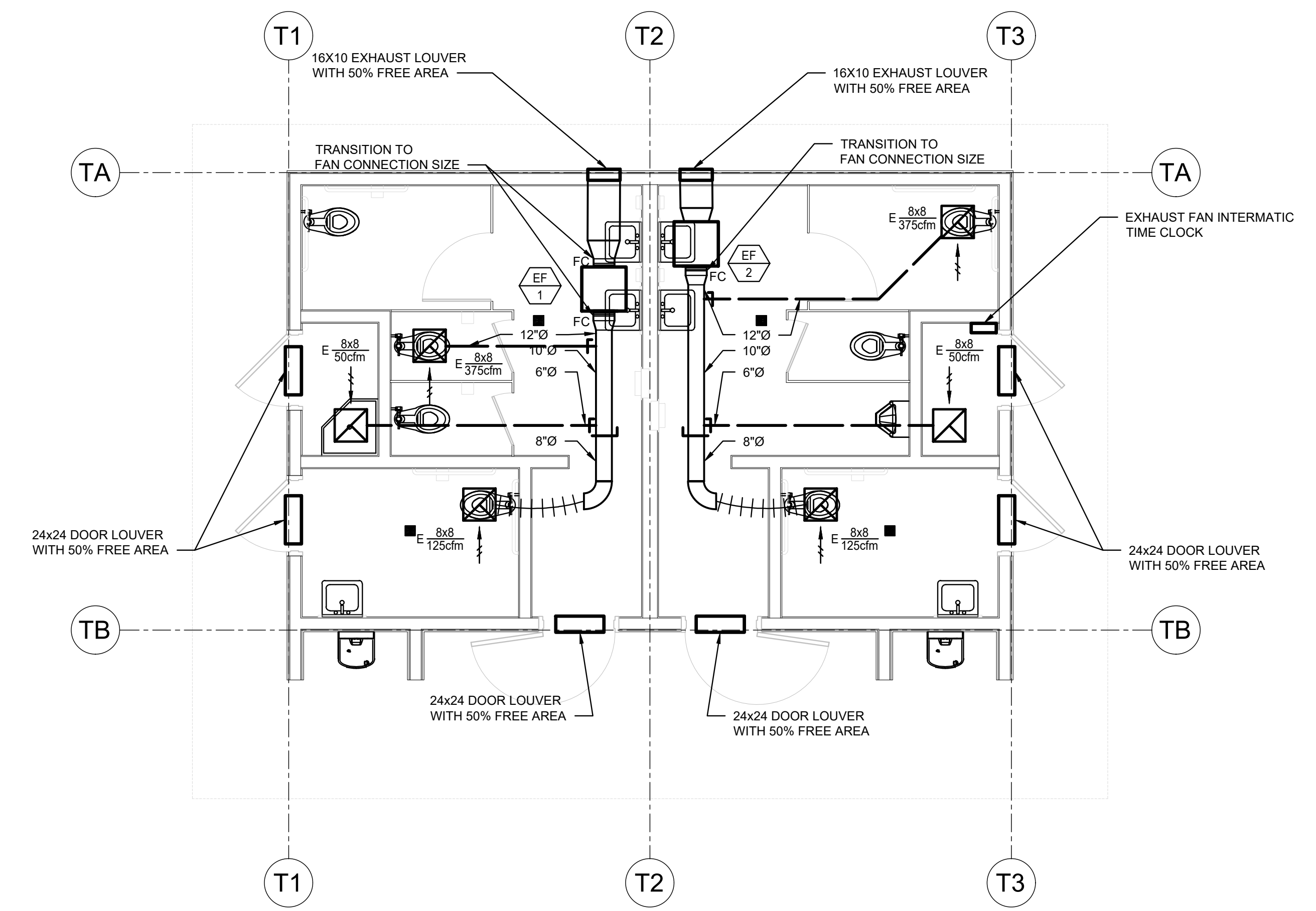
REPLACEMENT TOILET BUILDING AND SECURITY FENCING

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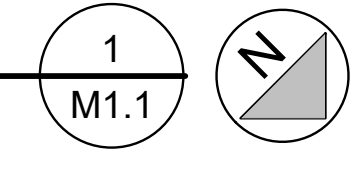
SACRAMENTO COUNTY



SHEET TITLE: MECHANICAL - FLOOR PLAN	
JOB NUMBER:	SHEET NUMBER:
DATE: APR 6, 2023	M1.1
REVISION:	



MECHANICAL - FLOOR PLAN
 SCALE: 1/4"=1'-0"



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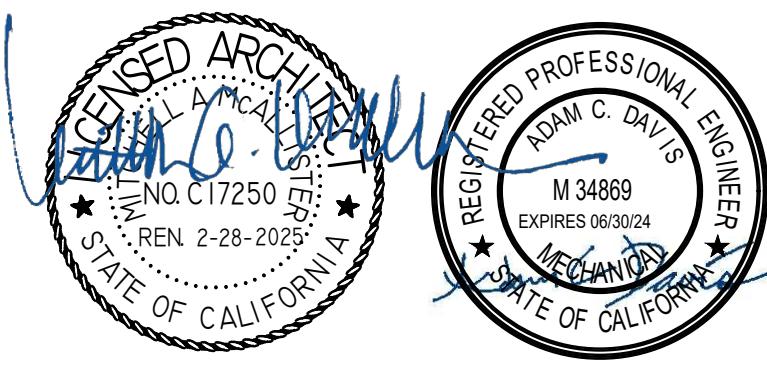
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PROJECT NAME:

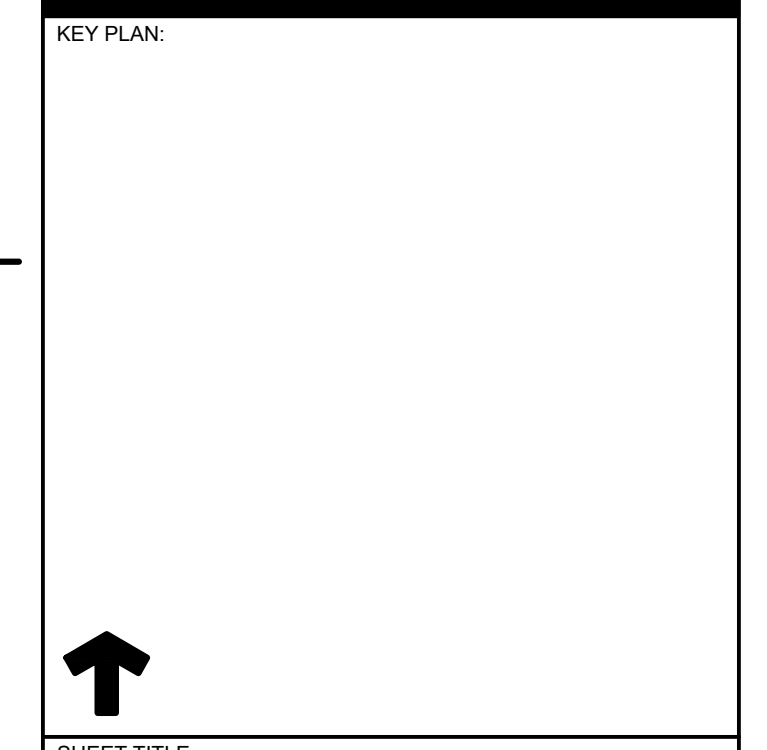
**SEQUOIA
 ELEMENTARY SCHOOL**

3333 ROSEMONT DR
 SACRAMENTO, CA 95826

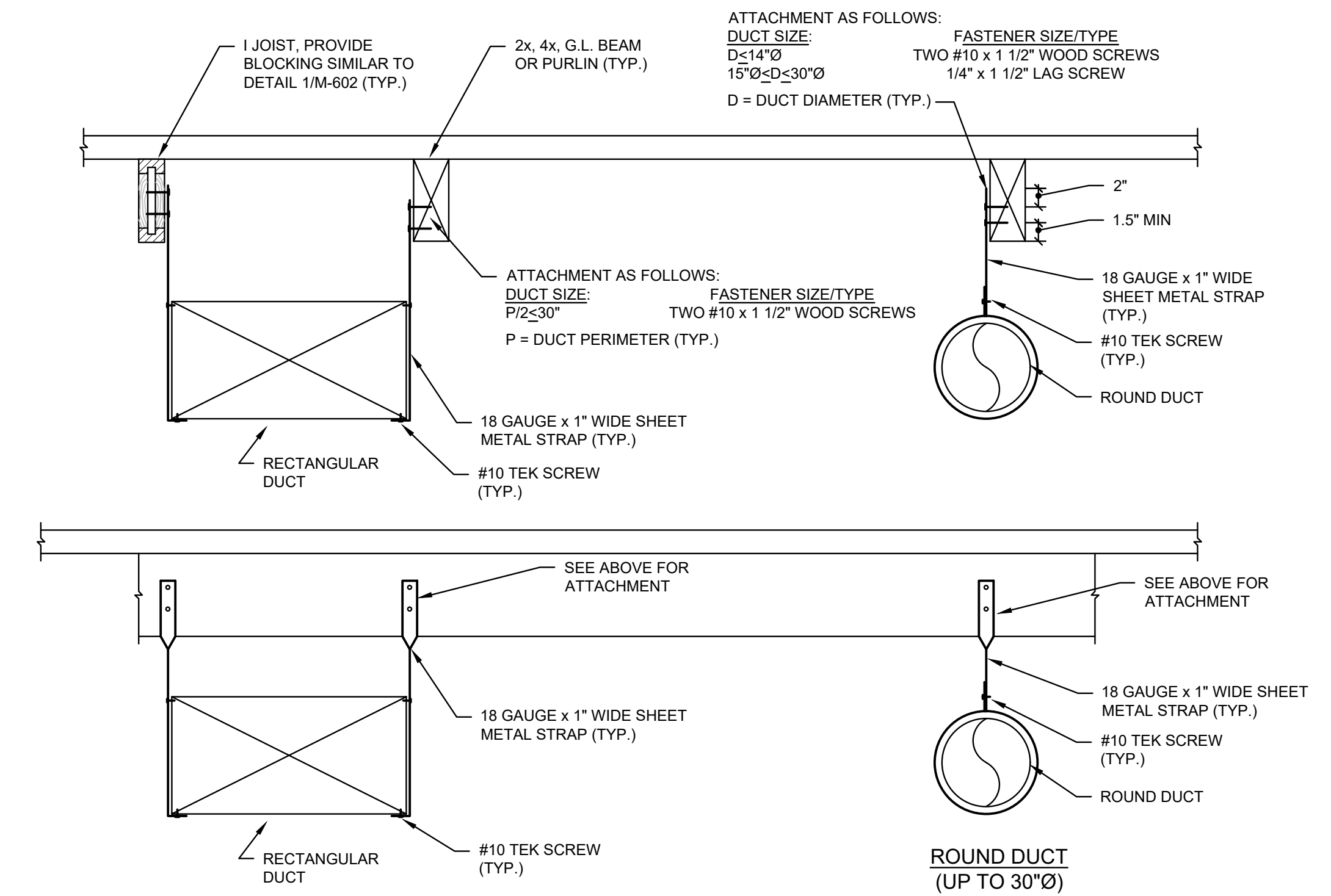
**REPLACEMENT
 TOILET BUILDING
 AND SECURITY
 FENCING**

SACRAMENTO CITY UNIFIED
 SCHOOL DISTRICT

SACRAMENTO COUNTY



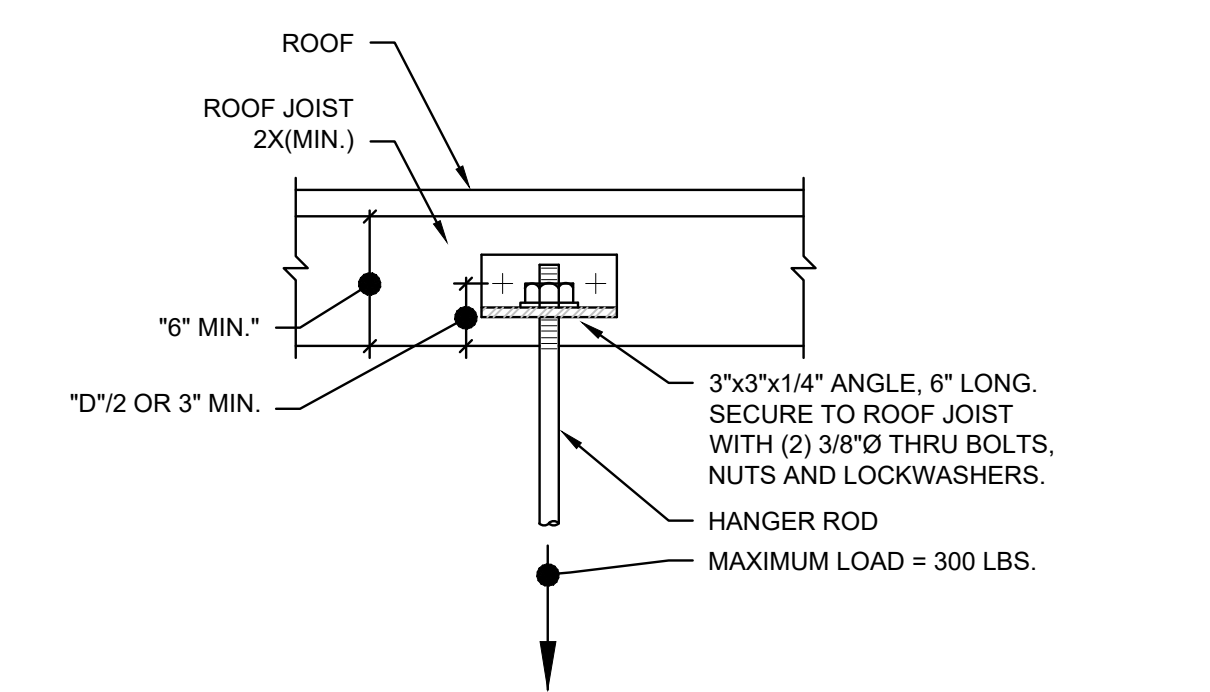
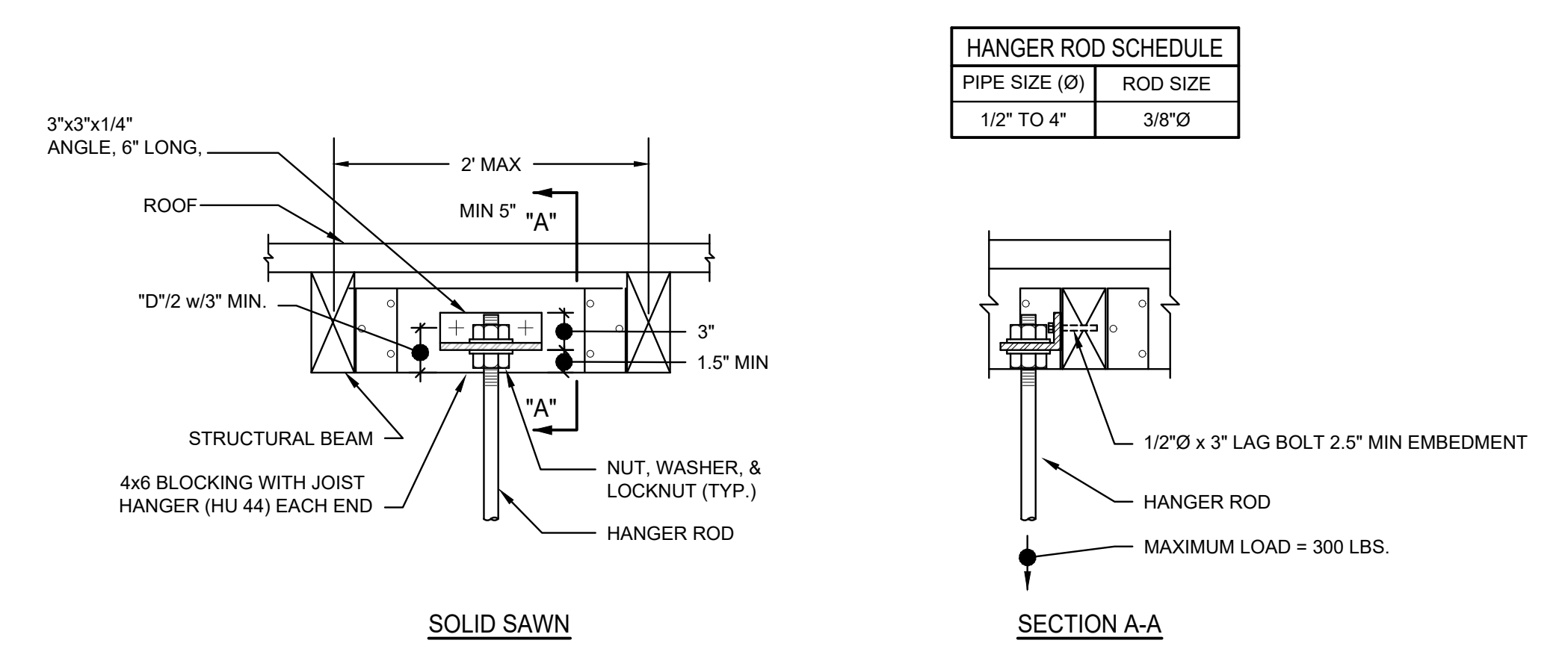
SHEET TITLE: MECHANICAL - DETAILS	
JOB NUMBER:	SHEET NUMBER:
DATE: APR 6, 2023	M6.1
REVISION:	



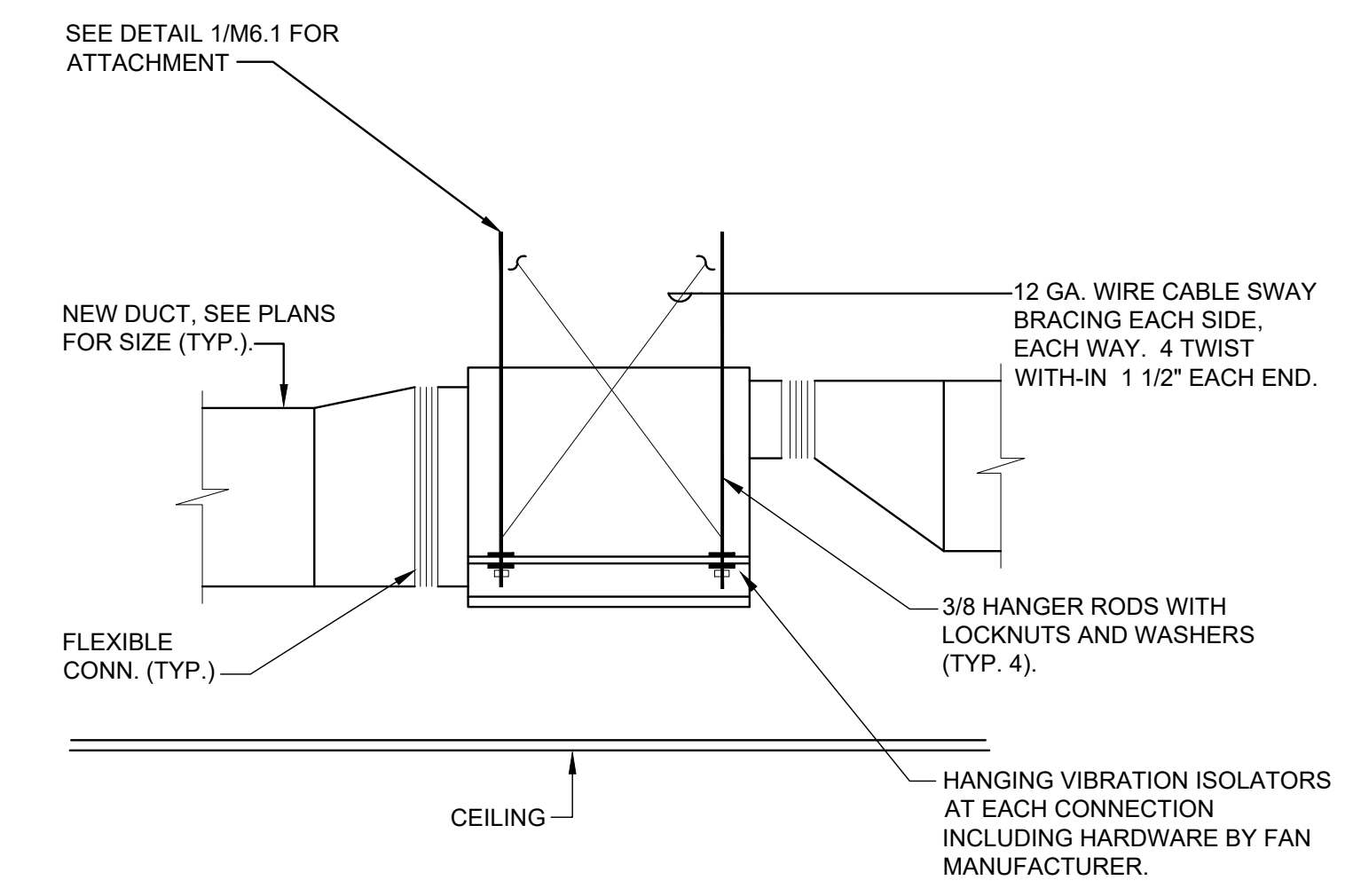
**RECTANGULAR DUCT
 (PER SMACNA TABLES 5-1 AND 5-2)**

NOTES:
 1. PROVIDE BLOCKING SIMILAR TO DETAIL 1/M6.1 WHEN NECESSARY.
 2. DETAIL IS FOR CONCEALED DUCT THAT IS 5 SQUARE FEET OR LESS

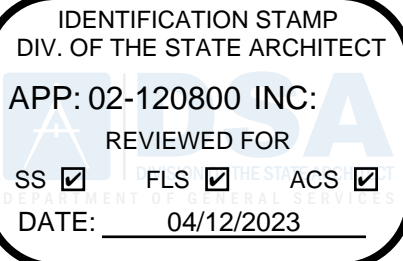
CONCEALED DUCT SUPPORT DETAILS 2
 NTS M6.1



HANGER ROD SUPPORT DETAILS 1
 NTS M6.1



INLINE FAN DETAIL 3
 NTS M6.1



APPLICABLE CODES

ALL WORK PERFORMED UNDER THIS CONTRACT IS TO CONFIRM TO THE FOLLOWING CODES AND REGULATIONS:

- CALIFORNIA CODE OF REGULATIONS - TITLE 24
- CALIFORNIA BUILDING CODE, 2022
- CALIFORNIA MECHANICAL CODE, 2022
- CALIFORNIA PLUMBING CODE, 2022
- CALIFORNIA FIRE CODE, 2022
- CALIFORNIA ELECTRICAL CODE, 2022
- CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS, 2022

THE ABOVE CODES AND REGULATIONS REFER TO THE LATEST EDITION OR REVISION IF FORCE ON THE DATE OF THE CONTRACT, UNLESS OTHERWISE STATED. NOTHING ON THE DRAWINGS IS TO BE CONSTRUED AS REQUIRING OR PERMITTING WORK THAT IS CONTRARY TO THE LISTED CODES AND REGULATIONS, OR OTHER LOCAL, STATE OR FEDERAL CODES OR REGULATIONS WHICH MAY BE APPLICABLE.

EQUIPMENT LIST

	<p>ELECTRIC WATER HEATER: AO SMITH MODEL DSE-10A WATER HEATER. WATER HEATER TO BE AS FOLLOWS:</p> <ul style="list-style-type: none"> TANK SHALL BE 10 GALLON CAPACITY. TANK SIZE - 18"Ø x 28.13" TALL HEATER SHALL BE RATED AT 6 KW, 208V, 1Ø, 60 Hz., 28.8 FLA HEATER TO PROVIDE 35 GPM RECOVERY AT A 70°F TEMPERATURE RISE. <p>MAXIMUM SHIPPING WEIGHT = 125 / MAXIMUM OPERATING WEIGHT = 225 LBS.</p> <p>SET OUTLET TEMPERATURE TO 120°F</p> <p>SEE DETAIL 3/P6.1 FOR MOUNTING</p>
	<p>EXPANSION TANK: WATTS MODEL DETAS LEAD FREE EXPANSION TANK. TANK TO BE AS FOLLOWS:</p> <ul style="list-style-type: none"> ASME SECTION VIII CONSTRUCTION FDA APPROVED FIXED BUTYL BLADDER INTEGRAL BLADDER INTEGRITY MONITOR TANK TO BE 3.5 GALLONS WITH A 2.3 GALLON ACCEPTANCE VOLUME 3/4" INLET CONNECTION MAXIMUM OPERATING PRESSURE OF 150 PSIG MAXIMUM OPERATING WEIGHT = <40 LBS

ANCHORAGE / BRACING NOTES

ALL MECHANICAL AND PLUMBING COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONTRACT DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTION 1617A.1.18 THROUGH 1617A.1.25 AND ASCE 7-16, CHAPTERS 13, 26 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- 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 CONNECTION EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- 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.
- MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS OR HAS A CENTER MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL 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 AND PIPING. FLEXIBLE CONNECTION MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.

- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- 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 AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING AND DUCTWORK SYSTEM BRACING NOTE:
PIPING AND DUCTWORK SHALL BE BRACED TO COMPLY THE FORCE AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENT TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G. SMACNA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

PLUMBING PIPING (PP):
_ PP - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTED AND DETAILS.
X PP - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM#), MASON OPM-0043-13 SEISMIC RESTRAINT SYSTEMS GUIDELINE.

PLUMBING GENERAL NOTES

- MECHANICAL AND PLUMBING DETAILS APPLY TO ALL BUILDINGS WHETHER REFERENCED OR NOT.
- PROVIDE FIRE STOPPING ASSEMBLY PROTECTION FOR PIPE PENETRATIONS OF RATED ASSEMBLIES. FIRE STOP RATING SHALL MATCH RATED ASSEMBLY BEING PENETRATED.
- PLUMBING AND FIRE SPRINKLER PIPING SHALL OFFSET OVER OR UNDER DUCTS. COORDINATE WITH HEATING CONTRACTOR.
- PLUMBING CONTRACTOR TO OFFSET PIPING AROUND SKYLIGHTS.
- PLUMBING CONTRACTOR TO OFFSET PIPING AROUND ROOF ACCESS LADDERS.
- PIPING SHALL NOT PENETRATE INTO, OVER, OR THROUGH IT CLOSETS OR ELECTRICAL ROOMS UNLESS IT SERVES THAT SPECIFIC ROOM.
- DRAWINGS SHALL BE CONSIDERED DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO SHOW EVERY OFFSET, FITTING, OR STRUCTURAL DIFFICULTY THAT MAY BE ENCOUNTERED DURING INSTALLATION OF WORK. THE CONTRACTORS SHALL COORDINATE LOCATION OF ALL PLUMBING PIPING WITH ALL OTHER TRADES ON THIS PROJECT. LOCATION OF ALL ITEMS NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. EXACT LOCATIONS NECESSARY TO SECURE BEST CONDITIONS AND RESULTS MUST BE DETERMINED AT THE JOB SITE AND SHALL HAVE THE APPROVAL OF THE ARCHITECT BEFORE BEING INSTALLED.
- ALL VALVES SHALL BE FULL LINE SIZES UNLESS NOTED OTHERWISE.
- PROVIDE WALL CLEANOUT AT ALL SINKS, LAVATORIES, AND URINALS.
- PIPING SHALL BE SUPPORTED IN ACCORDANCE TO SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL AND PLUMBING PIPING SYSTEMS".
- ALL NEW SANITARY WASTE PIPING SHALL HAVE A MINIMUM BURY DEPTH OF 18" AND BE SLOPED AT 1/4" PER FOOT MINIMUM UNLESS OTHERWISE NOTED. PIPING SHALL BE UNIFORMLY SLOPPED BETWEEN UPPER TERMINAL OF PIPE AND THE POINT OF CONNECTION TO THE SITE PIPING (AS INDICATED ON CIVIL PLANS) TO ACHIEVE MAXIMUM SLOPE POSSIBLE.
- ACCESS PANELS SHALL BE PROVIDED AS NECESSARY TO PROPERLY ACCESS THE PLUMBING SYSTEM INCLUDING VALVES, EQUIPMENT, HOPPER DRAINS, AND INDIRECT DRAINS IN WALLS.
- HVAC EQUIPMENT IS SHOWN FOR THE COORDINATION OF UTILITIES ONLY. REFER TO "M" SHEETS FOR ADDITIONAL INFORMATION.
- PROVIDE WATER HAMMER ARRESTORS (WHA) AT ALL FIXTURES AS INDICATED IN THE SPECIFICATIONS/NOTES. WHA SHALL BE SIZED AND PER THE PLUMBING & DRAINAGE INSTITUTE (PDI). WHA SHALL BE INSTALLED IN WALLS (NOT ABOVE CEILINGS).
- REFERENCE ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS, EXACT LOCATIONS OF PLUMBING FIXTURES, AND PLUMBING FIXTURE MOUNTING HEIGHTS.
- CONCEAL ALL PIPING IN WALL FURRINGS, PARTITIONS, ABOVE CEILINGS, EXCEPT IN MECHANICAL ROOMS OR WHERE NOTED OTHERWISE.
- PROVIDE A TRAP PRIMER AT ALL FLOOR DRAINS AND FLOOR SINKS.

PLUMBING LEGEND

ABBREVIATIONS

ABC	ABOVE CEILING	FT	FEET	POD	POINT OF DISCONNECT
AD	ACCESS DOOR	FU	FIXTURE UNITS	PRV	PRESSURE REDUCING VALVE
AF	ABOVE FINISHED FLOOR	G	NATURAL GAS	PS	PRESSURE SWITCH
AFG	ABOVE FINISHED GRADE	GCO	GRADE CLEAN OUT	PSI	POUNDS PER SQUARE INCH
AP	ACCESS PANEL	GD	GARBAGE DISPOSER	PSIG	POUNDS PER SQUARE INCH GAUGE
AQ	AQUASTAT	GLV	GLOBE VALVE	PT	PLUGGED TEE
ARCH	ARCHITECT	GM	GAS METER	R	RISE / RISER
AV	ACID VENT	GPH	GALLONS PER HOUR	RD	ROOF DRAIN
AVTR	ACID VENT THRU ROOF	GPM	GALLONS PER MINUTE	RET	RETURN
AW	ACID WASTE	GPR	GAS PRESSURE REGULATOR	RIO	ROUGH IN ONLY
BFF	BELOW FINISHED FLOOR	GSKC	GAS COCK	RM	ROOM
BFP	BACKFLOW PREVENTER	GSV	GAS SEISMIC VALVE	RO	REVERSE OSMOSIS WATER
BFV	BUTTERFLY VALVE	GI	GREASE INTERCEPTOR	RV	RELIEF VALVE
BG	BELOW GRADE	GV	GATE VALVE	RWL	RAINWATER LEADER
BLV	BALL VALVE	GW	GREASE WASTE PIPING	SCD	SECONDARY CONDENSATE DRAIN
CA	COMPRESSED AIR	HB	HOSE BIBB	SCH	SCHEDULE
CAP	CAPACITY	HD	HOPPER DRAIN	SCW	COLD SOFT WATER
CB	CATCH BASIN	HPG	HIGH PRESSURE NATURAL GAS	SD	STORM DRAIN
CBV	CALIBRATED BALANCE VALVE	HW	DOMESTIC HOT WATER	SH	SHOWER
CD	CONDENSATE DRAIN	HWR	DOMESTIC HOT WATER RETURN	SHT	SHEET
CFH	CUBIC FEET PER HOUR	ICW	INDUSTRIAL COLD WATER	SHW	HOT SOFT WATER
CI	CAST IRON	IHW	INDUSTRIAL HOT WATER	SHWR	HOT SOFT WATER RETURN
CKV	CHECK VALVE	IHWV	INDUSTRIAL HOT WATER RETURN	SK	SINK
CL	CENTER LINE	ID	INSIDE DIAMETER	SMS	SHEET METAL SCREW
CLG	CEILING	IE	INVERT ELEVATION	SOV	SHUT OFF VALVE
CMP	CORRUGATED METAL PIPE	IW	INDIRECT WASTE	SS	STAINLESS STEEL
CO	CLEANOUT	LA	LABORATORY AIR	STD	STANDARD
CO2	CARBON DIOXIDE	LAV	LAVATORY	STR	STRAINER
COP	CAP ON END OF PIPE	LBS	POUNDS	TA	TO ABOVE
COTF	CLEANOUT TO FLOOR	LG	LABORATORY GAS	TB	TO BELOW
COTG	CLEANOUT TO GRADE	LP	LOW PRESSURE	TEMP.	TEMPERATURE
CP	CIRCULATING PUMP	LWT	LEAVING WATER TEMPERATURE	TH	THERMOMETER
CR	CONCENTRIC REDUCER	MA	MEDICAL AIR	TMV	THERMOSTATIC MIXING VALVE
CSK	CLINIC SINK	MAX	MAXIMUM	TRP	TRAP PRIMER
CV	CONTROL VALVE	MFR	MANUFACTURER	TYP	TYPICAL
CW	DOMESTIC COLD WATER	MGC	MEDICAL GAS COLUMN	TW	TEMPERED WATER
D	DROP	MIN	MINIMUM	UC	UNDER COUNTER
DGW	DOMESTIC COLD WATER	MISC	MISCELLANEOUS	UF	UNDER FLOOR
DD	DECK DRAIN	MFG	MEDIUM PRESSURE NATURAL GAS	UG	UNDERGROUND
DET	DETAIL	(N)	NEW	UN	UNION OR FLANGE
DF	DRINKING FOUNTAIN	N2	NITROGEN	UNO	UNLESS NOTED OTHERWISE
DHW	DOMESTIC HOT WATER	N2O	NITROUS OXIDE	UR	URINAL
DHWV	DOMESTIC HOT WATER RETURN	NC	NORMALLY CLOSED	V	SANITARY VENT
DI	DEIONIZED WATER	NIC	NOT IN CONTRACT	VB	VALVE BOX
DN	DOWN	NO	NORMALLY OPEN	VAC	MEDICAL VACUUM
DWG	DRAWING	NTS	NOT TO SCALE	VR	VENT RISER
(E)	EXISTING	O2	OXYGEN	VTR	VENT THRU ROOF
EWH	ELECTRIC WATER HEATER	OC	ON CENTER	W	SANITARY WASTE
EWT	ENTERING WATER TEMPERATURE	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	WD	WASTE DROP
FA	FROM ABOVE	INSTALLED		WI	WITH
FB	FROM BELOW	ORD	OVERFLOW ROOF DRAIN	W/O	WITHOUT
FC	FLEXIBLE CONNECTION	ORWL	OVERFLOW RAIN WATER LEADER	WAGD	WASTE ANESTHESIA GAS
FCO	FLOOR CLEAN OUT	OH	OVERHEAD	DISPOSAL	
FD	FLOOR DRAIN	P&TRV	PRESSURE & TEMPERATURE RELIEF VALVE PIPING	WC	WATER CLOSET
FHC	FIRE HOSE RACK & CABINET	PIL	PROPERTY LINE	WCO	WALL CLEAN OUT
FLR	FLOOR	PAN	PIPE ANCHOR	WD	WASTE DROP
PFM	FEET PER MINUTE	PG	PRESSURE GAUGE	WH	WALL HYDRANT
FSH	FIRE SPRINKLER HEAD	PL	PLATE	WHA	WATER HAMMER ARRESTER
FS	FLOOR SINK	PLBG	PLUMBING	WM	WATER METER
FSP	FIRE SPRINKLER PIPE	POC	POINT OF CONNECTION	WSP	WET STANDPIPE

SYMBOLS

	DOMESTIC COLD WATER LINE		BALL VALVE
	DOMESTIC HOT WATER		BALANCE VALVE
	DOMESTIC HOT WATER RETURN		GATE VALVE
	TEMPERED WATER		CHECK VALVE
	NON POTABLE WATER		LEVER HANDLE GAS COCK
	SOIL OR WASTE LINE BELOW GRADE		PRESSURE REDUCING VALVE
	SOIL OR WASTE LINE ABOVE GRADE		SOLENOID VALVE W/ MOTOR ACTUATOR
	INDIRECT WASTE LINE		STRAINER
	GREASE WASTE LINE		PRESSURE GAUGE
	VENT LINE		THERMOMETER
	RAINWATER LEADER LINE		UNION
	OVERFLOW RAINWATER LEADER LINE		TEMP. & PRESSURE RELIEF LINE
	CONDENSATE DRAIN		VALVE BOX
	NATURAL GAS LINE (LOW PRESSURE)		CAP (END OF PIPE)
	MEDIUM PRESSURE NATURAL GAS LINE		CIRCULATING PUMP
	FIRE PROTECTION LINE		ANGLE VALVE
	FLOW IN DIRECTION OF ARROW		PRESSURE OR TEMP. RELIEF VALVE
	REDUCER		DIAMETER
	RISER DOWN (ELBOW)		CLEANOUT TO FLOOR
	RISER UP (ELBOW)		CLEANOUT TO GRADE
	R. D. - RISER OR DROP		CLEANOUT
	ITEM TO BE REMOVED / DEMOED		FLOOR DRAIN
	ITEM TO BE ABANDONED IN PLACE		FLOOR SINK
	POINT OF CONNECTION		HOSE BIBB
	POINT OF DISCONNECTION		ROOM NAME AND NUMBER



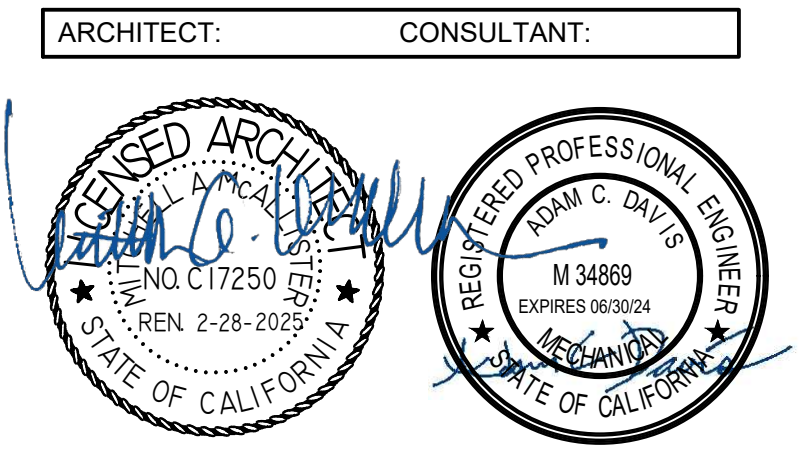
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REPLACEMENT TOILET BUILDING AND SECURITY FENCING

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

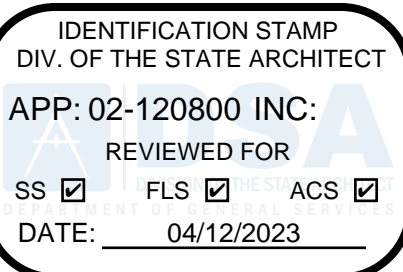
SACRAMENTO COUNTY

KEY PLAN:

SHEET TITLE:

PLUMBING - SCHEDULES LEGEND & NOTES

JOB NUMBER:	SHEET NUMBER:
DATE: APR 6, 2023	P0.1
REVISION:	



PLUMBING FIXTURE SCHEDULE

FIXTURE	DESCRIPTION	FIXTURE	VALVE / FAUCET	TRIM	NOTES	FIXTURE UNITS				VENT	WASTE		COLD WATER		HOT WATER	
						WASTE	VENT	CW	HW		BRANCH	OUTLET	BRANCH	OUTLET	BRANCH	OUTLET
WC-1	ADA WATER CLOSET STUDENT HEIGHT FLOOR MOUNTED TOP SPUD BOWL HARD WIRED SENSOR OPERATED FLUSH VALVE 1.28 GPF ADA	AMERICAN STANDARD "MADERA" FLOOR MOUNTED WATER CLOSET, MODEL 3451.128. FIXTURE TO BE AS FOLLOWS: • ELONGATED VITREOUS CHINA BOWL - WHITE COLOR • 15-1/2" RIM HEIGHT • FIXTURE TO BE RATED FOR 1.28 GPF. • 2-1/8" FULLY GLAZED TRAP-WAY • 1-1/2" TOP SPUD INLET	ZURN AQUA SENSE AV MODEL ZENS6000AV-HET WATER CLOSET FLUSH VALVE. VALVE TO BE AS FOLLOWS: • TOP SPUD BOWL • 1.28 GPF • PROVIDE WITH SOLID RING PIPE SUPPORT - "K" • ADA COMPLIANT • PROVIDE ZURN POWER CONVERTER P6000-HW6	PROVIDE BEMIS COMMERCIAL HEAVY-DUTY PLASTIC TOILET SEAT, MODEL 1056SSC. SEAT TO BE EQUIPPED WITH STAINLESS STEEL POSTS AND SELF-SUSTAINING HINGE, (1 1/16" HEIGHT)	FLUSH VALVE TRIP LEVER TO BE ON WIDE SIDE OF ENCLOSURE. INSTALLED SEAT HEIGHT TO BE 17-1/2" AFF.	4.0	4.0	5.0	0	2"	4"	4"	1 1/4"	1"	-	-
WC-2	WATER CLOSET STUDENT HEIGHT FLOOR MOUNTED TOP SPUD BOWL HARD WIRED SENSOR OPERATED FLUSH VALVE 1.28 GPF	AMERICAN STANDARD "MADERA" FLOOR MOUNTED WATER CLOSET, MODEL 3451.128. FIXTURE TO BE AS FOLLOWS: • ELONGATED VITREOUS CHINA BOWL - WHITE COLOR • 15" RIM HEIGHT • FIXTURE TO BE RATED FOR 1.28 GPF. • 2-1/8" FULLY GLAZED TRAP-WAY • 1-1/2" TOP SPUD INLET	ZURN AQUA SENSE AV MODEL ZENS6000AV-HET WATER CLOSET FLUSH VALVE. VALVE TO BE AS FOLLOWS: • TOP SPUD BOWL • 1.28 GPF • PROVIDE WITH SOLID RING PIPE SUPPORT - "K" • PROVIDE ZURN POWER CONVERTER P6000-HW6	PROVIDE BEMIS COMMERCIAL HEAVY-DUTY PLASTIC TOILET SEAT, MODEL 1056SSC. SEAT TO BE EQUIPPED WITH STAINLESS STEEL POSTS AND SELF-SUSTAINING HINGE, (1 1/16" HEIGHT)	FLUSH VALVE TRIP LEVER TO BE ON WIDE SIDE OF ENCLOSURE. INSTALLED SEAT HEIGHT TO BE 16" AFF.	4.0	4.0	5.0	0	2"	4"	4"	1 1/4"	1"	-	-
UR-1	URINAL WALL HUNG ADA OR STANDARD HEIGHT (DEPENDING ON MOUNTING HEIGHT) HARD WIRED SENSOR OPERATED FLUSH VALVE 0.125 GPF	AMERICAN STANDARD "WASHBROOK" WALL HUNG, HIGH-EFFICIENCY URINAL, MODEL 6590.001. FIXTURE TO BE AS FOLLOWS: • VITREOUS CHINA BOWL - WHITE COLOR • WASHOUT URINAL • 3/4" TOP SPUD • FIXTURE TO BE RATED FOR 0.125 GPF.	ZURN AQUA SENSE AV MODEL ZENS6000AV-UJLF-4S, URINAL FLUSH VALVE. VALVE TO BE AS FOLLOWS: • TOP SPUD • 0.125 GPF • ADA COMPLIANT • PROVIDE ZURN POWER CONVERTER P6000-HW6	-	MOUNT AT HEIGHT AS INDICATED ON ARCHITECTURAL DRAWINGS (BOTH FIXTURE AND FLUSH VALVE.)	2.0	2.0	4.0	0	1 1/2"	2"	2"	1"	3/4"	-	-
L-1	STAFF LAVATORY WALL HUNG HW & CW HARD WIRED SENSOR FAUCET 0.5 GPM ADA	AMERICAN STANDARD "LICERNE" WALL HUNG LAVATORY, MODEL 0355.012. FIXTURE TO BE AS FOLLOWS: • VITREOUS CHINA BOWL - WHITE COLOR • CONCEALED ARM SUPPORTS • FAUCET HOLES ON 4" O.C. • 20-1/2" LONG x 18-1/4" WIDE • ADA (BASED ON MOUNTING HEIGHT)	ZURN HYDRO-X DECK MOUNTED SENSOR FAUCET MODEL Z8955-XL-S, FAUCET TO BE AS FOLLOWS: • H&CW • CHROME PLATED FINISH • 0.50 GPM VANDAL PROOF SPRAY OUTLET • ADA COMPLIANT • PROVIDE WITH THERMOSTATIC MIXING VALVE • PROVIDE ZURN POWER CONVERTER P6000-HW6	PROVIDE WITH JUST MODEL JADA-115-FS GRID DRAIN WITH OFFSET AND P-TRAP	MOUNT AT HEIGHT AS INDICATED ON ARCHITECTURAL DRAWINGS. INSULATE EXPOSED WASTE AND WATER PER NOTE 4 BELOW.	1.0	1.0	0.75	0.75	1 1/2"	2"	2"	3/4"	1/2"	3/4"	1/2"
MS-1	MOP SINK FLOOR MOUNT H&CW WATER	WILLIAMS SQUARE MOP SINK, MODEL SB-900. FIXTURE TO BE AS FOLLOWS: • TERRAZZO MOP SINK WITH 3" DRAIN • 24" LONG BY 24" WIDE BY 12" DEEP • FIXTURE TO BE PROVIDED WITH STAINLESS STEEL CAP ON ALL FOUR SIDES	CHICAGO MODEL 540-LD897WXP WALL MOUNTED FAUCET. FAUCET TO BE AS FOLLOWS: • H&CW • 2-3/8" LEVER HANDLES • CERAMIC 1/4 TURN OPERATING CARTRIDGES • INTEGRAL VACUUM BREAKER, PAIL HOOK AND WALL BRACE.	PROVIDE WITH MODEL T-35 - 3 FT HOSE & STAINLESS STEEL WALL BRACKET, MODEL T-40 STAINLESS STEEL MOP HANGER WITH 3 SPRING LOADED RUBBER GRIPS.	MOUNT FAUCET AT 36" AFF.	3.0	3.0	3.0	2.25	2"	3"	3"	3/4"	1/2"	3/4"	1/2"
DF-1	WALL MOUNTED SINGLE STAINLESS STEEL DRINKING FOUNTAIN & BOTTLE FILLER ADA SEE ARCHITECTURAL FOR MOUNTING HEIGHT	ELKAY STAINLESS STEEL DRINKING FOUNTAIN & BOTTLE FILLER. DRINKING FOUNTAIN MODEL e2H20 VRCBWSK WITH BOTTLE FILLER. PROVIDE UNIT COMPLETE WITH: • VANDAL-RESISTANT CHROME PLATED BRASS BUBBLER. • FRONT PUSH BUTTON VALVES • STAINLESS STEEL BACK PANELS • 1 1/4" INTEGRATED TRAP	NA	NA	PROVIDE WITH HAWS IN WALL MOUNTING PLATE. LOCATE BOTTLE FILLER OVER DRINKING FOUNTAIN. SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT.	1.0	1.0	0.5	0	1 1/2"	2"	1 1/2"	3/4"	1/2"	-	-
FD	FLOOR DRAIN	ZURN MODEL Z-415 FLOOR DRAIN. FIXTURE TO BE AS FOLLOWS: • DURA COATED CAST IRON BODY WITH BOTTOM OUTLET • COMBINATION INVERTIBLE MEMBRANE CLAMP • ADJUSTABLE COLLAR WITH SEEPAGE SLOTS	N/A	PROVIDE WITH STRAINER AS FOLLOWS: • TYPE B WHERE INSTALLED CONCRETE • TYPE S WHERE INSTALLED IN TILE • TYPE SL WHERE INSTALLED IN COMPOSITION TYPE FLOOR	PROVIDE WITH 1/2" TRAP PRIMER CONNECTION	-	-	-	-	1 1/2"	2"	2"	-	-	-	-

- NOTES:**
- USE PIPE SIZE TABLE FOR SIZING ALL BRANCH WATER, WASTE, & VENT BRANCH PIPES.
 - REFERENCE ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHT.
 - WATER BRANCH LINES WHERE LESS THAN 10'-0" LONG MAY BE SAME SIZE AS OUTLETS SCHEDULED ABOVE.
 - AT ALL ADA SINKS AND LAVATORIES, INSULATE HOT WATER, COLD WATER, AND AND WASTE PIPING BELOW FIXTURE WITH "TRUEBRO" LAV GUARD PROTECTIVE MOLDED CLOSED CELL VINYL PIPE COVERS, WITH VANDAL RESISTANT SNAP-CLIP FASTENERS, AND AN ASTM E-84 SMOKE TEST RATING OF 0.
 - PROVIDE WALL CLEANOUT AT ALL SINKS WITH DIRECT CONNECTIONS.
 - PROVIDE WATER HAMMER ARRESTOR FOR ON BOTH H&CW BRANCH LINES AT ALL FIXTURES PER SPECIFICATION SECTION 22 05 23
 - WHERE KITCHEN SINK SPILLS TO FLOOR SINKS, INDIRECT WASTE TO BE DWV COPPER WITH UNIONS. SLIP JOINTS SHALL NOT BE PROVIDED.
 - WHERE FIXTURES ARE NOTED AS BEING "ADA", INSTALLATION TO MEET ADA REQUIREMENTS AND CBC REQUIREMENTS.
 - ADJUST OUTLET TEMPERATURE FOR ALL TEMPERED WATER SINKS TO 105°F (UNLESS DIRECTED OTHERWISE BY OWNER).

NOMINAL PIPE SIZE (INCHES)	2"Ø	3"Ø	4"Ø	6"Ø
FIXTURE UNITS (VERTICAL)	16*	48	256	1,380
FIXTURE UNITS (HORIZONTAL)	8*	35	216	720

NOTES:

- PIPE SIZES TO BE PER CALIFORNIA PLUMBING CODE, TABLE 703.2
- SLOPE ALL HORIZONTAL WASTE PIPE AT 1/4" PER FOOT.
* EXCEPT SIX-UNIT TRAPS OR WATER CLOSETS.

NOMINAL PIPE SIZE (INCHES)	1 1/2"Ø	2"Ø	2 1/2"Ø	3"Ø	4"Ø
FIXTURE UNITS (HORIZONTAL & VERTICAL)	8	24	48	84	256
*MAXIMUM PIPING LENGTH (HORIZONTAL & VERTICAL, (FEET)	60	120	180	212	300

NOTES:

- PIPE SIZES TO BE PER CALIFORNIA PLUMBING CODE, TABLE 703.2
- SLOPE ALL HORIZONTAL WASTE PIPE AT 1/4" PER FOOT.
*LENGTH NOT TO EXCEED 1/3 OF THE TOTAL PERMITTED LENGTH OF A VENT SHALL BE INSTALLED IN A HORIZONTAL POSITION. WHERE VENTS ARE INCREASE ONE PIPE SIZE FOR THEIR ENTIRE LENGTH, THE MAX LENGTH LIMITATIONS SPECIFIED DO NOT APPLY.

NOMINAL PIPE SIZE (INCHES)	3/4"Ø	1"Ø	1 1/4"Ø	1 1/2"Ø	2"Ø	2 1/2"Ø	3"Ø	4"Ø
FIXTURE UNITS (WITHOUT FLUSH VALVES)	6	10	21	34	127	245	431	875
FIXTURE UNITS (WITH ONE OR MORE FLUSH VALVES)	-	5	10	20	48	124	295	850

NOTES:

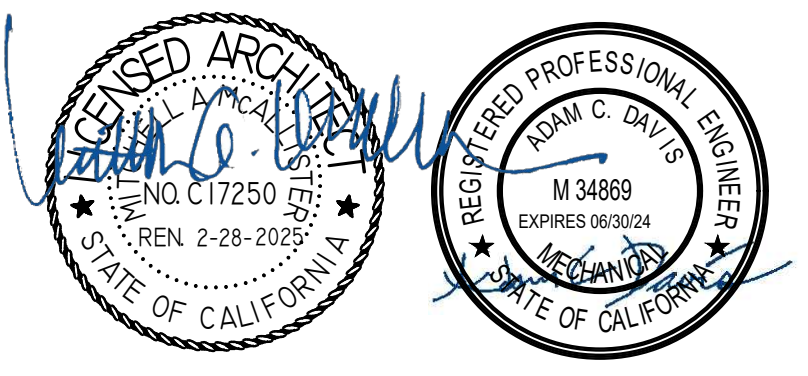
- USE ABOVE DATA ONLY WHEN PIPE SIZES ARE NOT OTHERWISE SIZED ON THE DRAWINGS.
- FIXTURE UNITS ARE AS LISTED FOR PUBLIC USE IN THE CALIFORNIA PLUMBING CODE.



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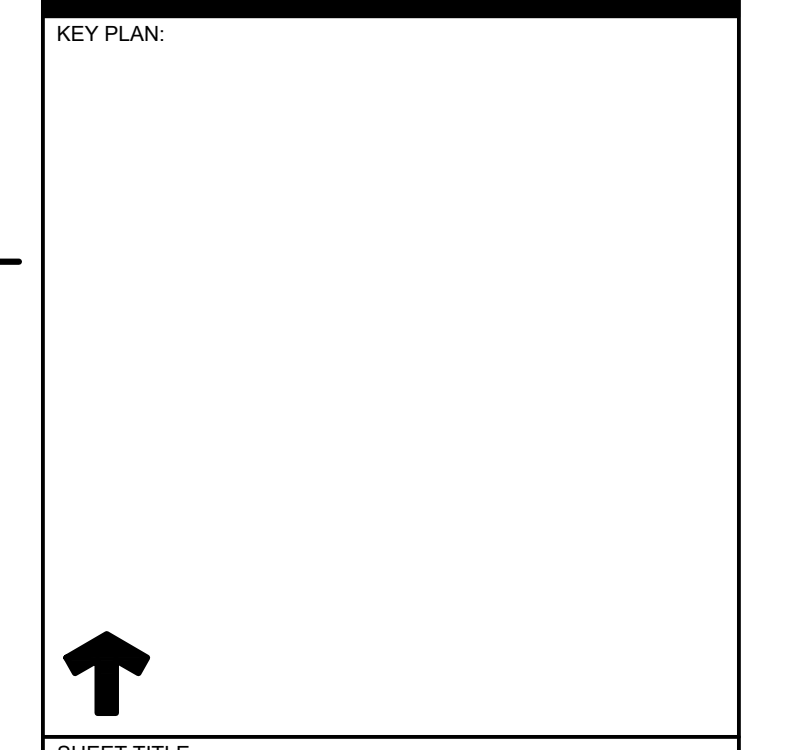
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REPLACEMENT TOILET BUILDING AND SECURITY FENCING

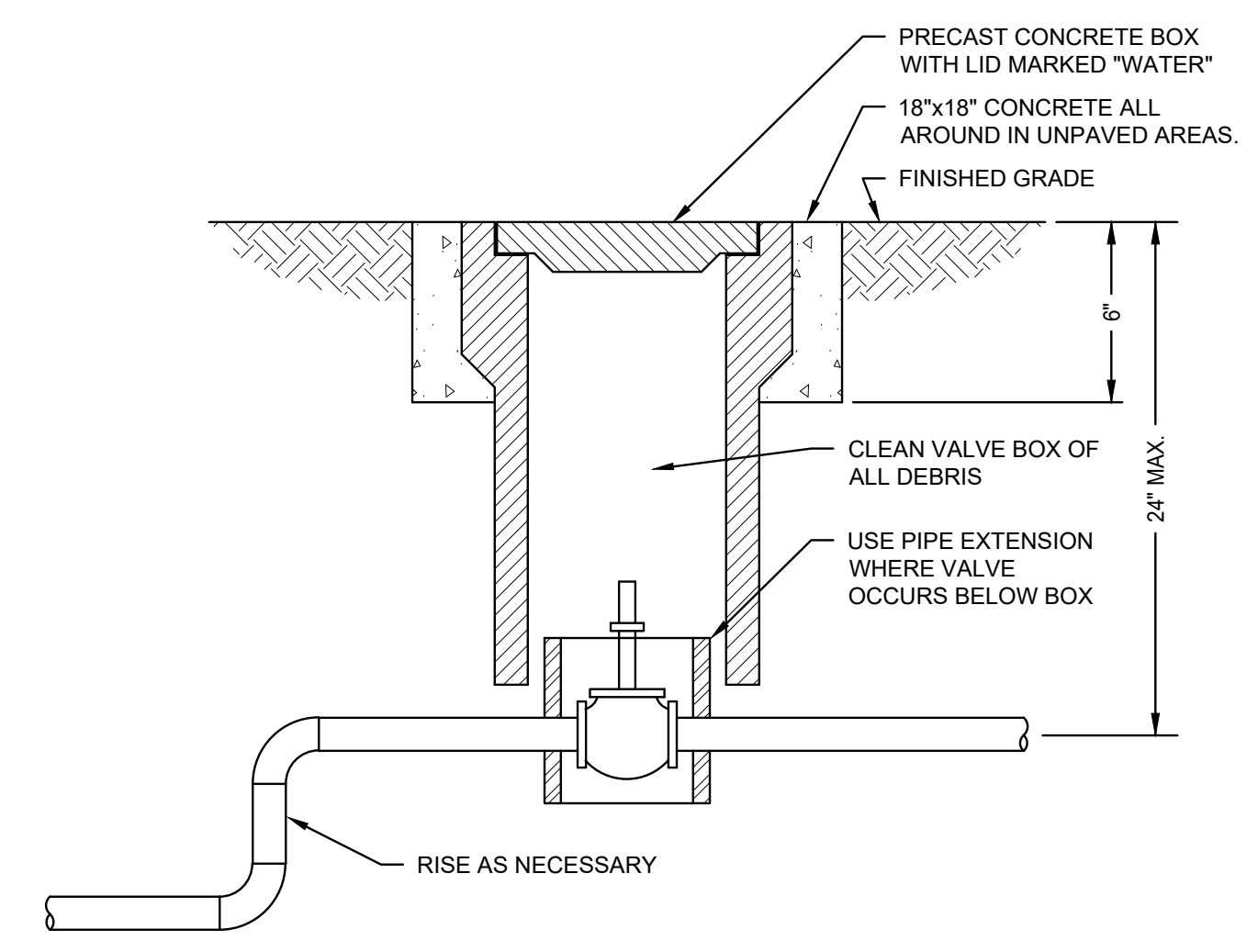
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

SACRAMENTO COUNTY

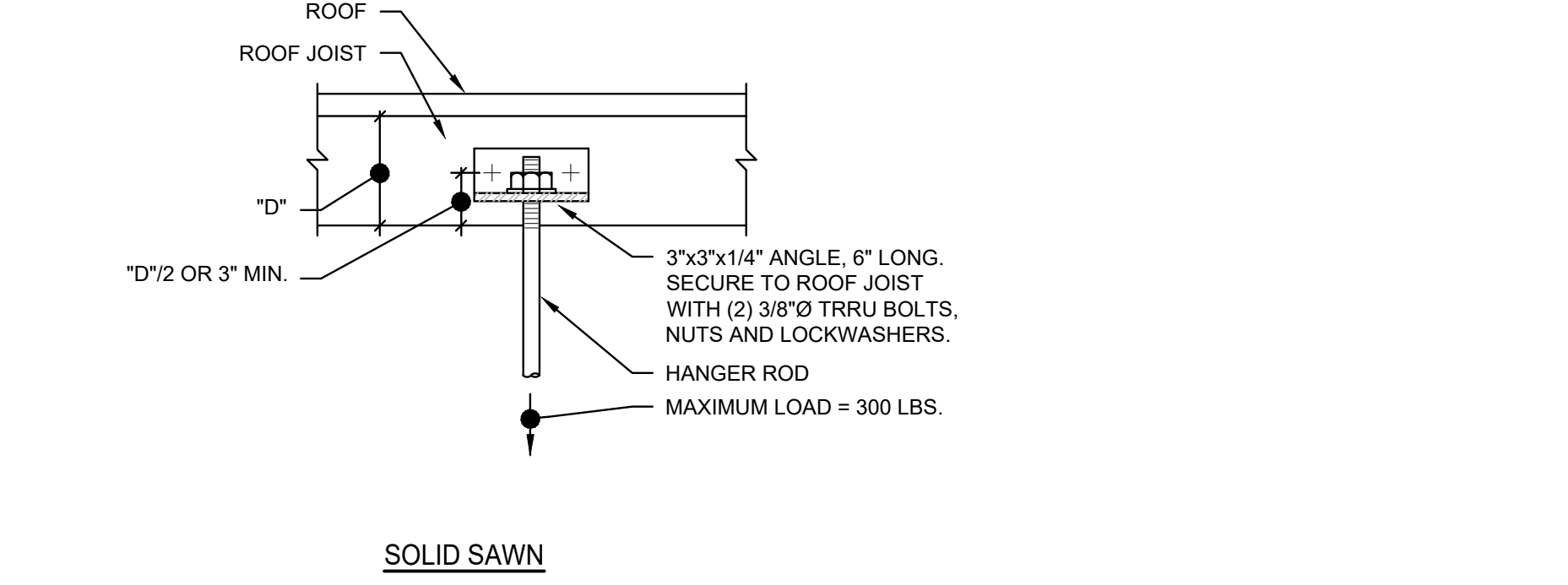
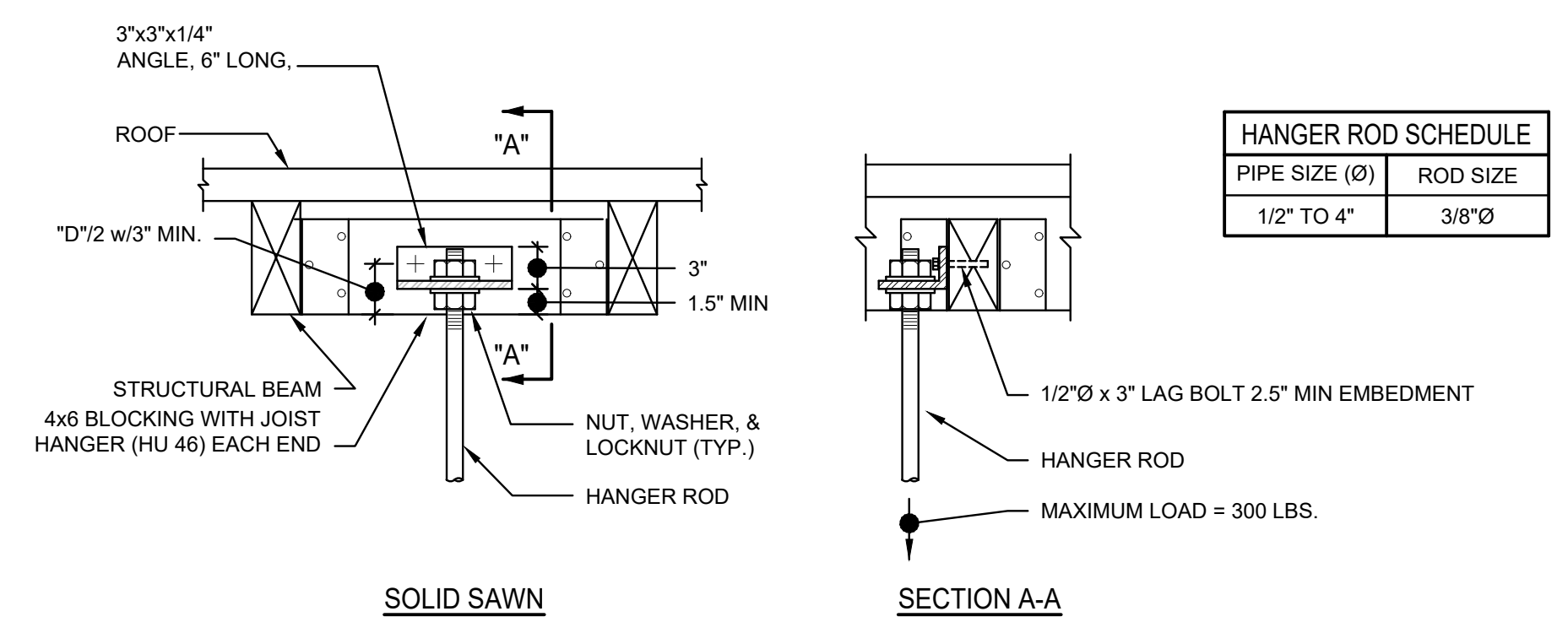


SHEET TITLE:
PLUMBING - SCHEDULES LEGEND & NOTES

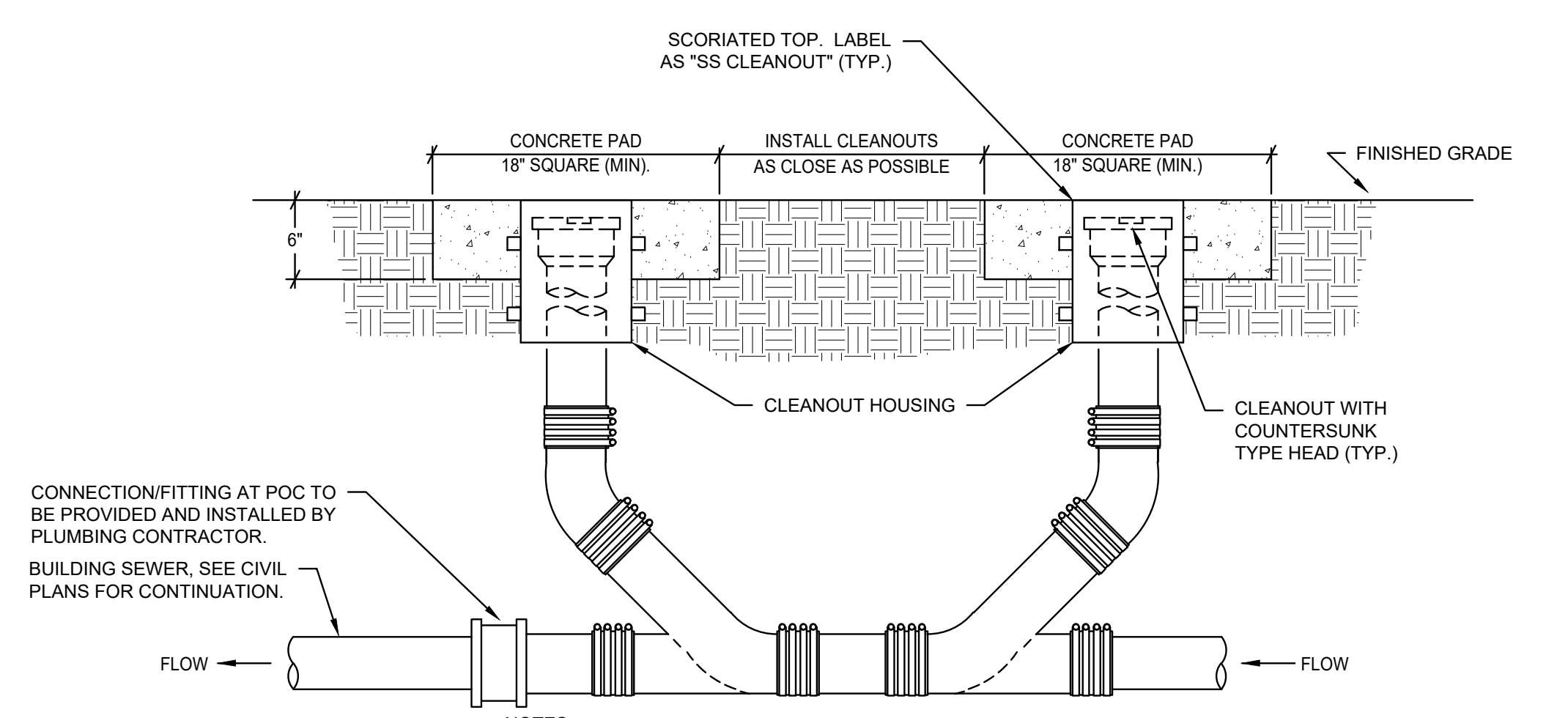
JOB NUMBER: SHEET NUMBER:
 DATE: APR 6, 2023
 REVISION:
P0.2



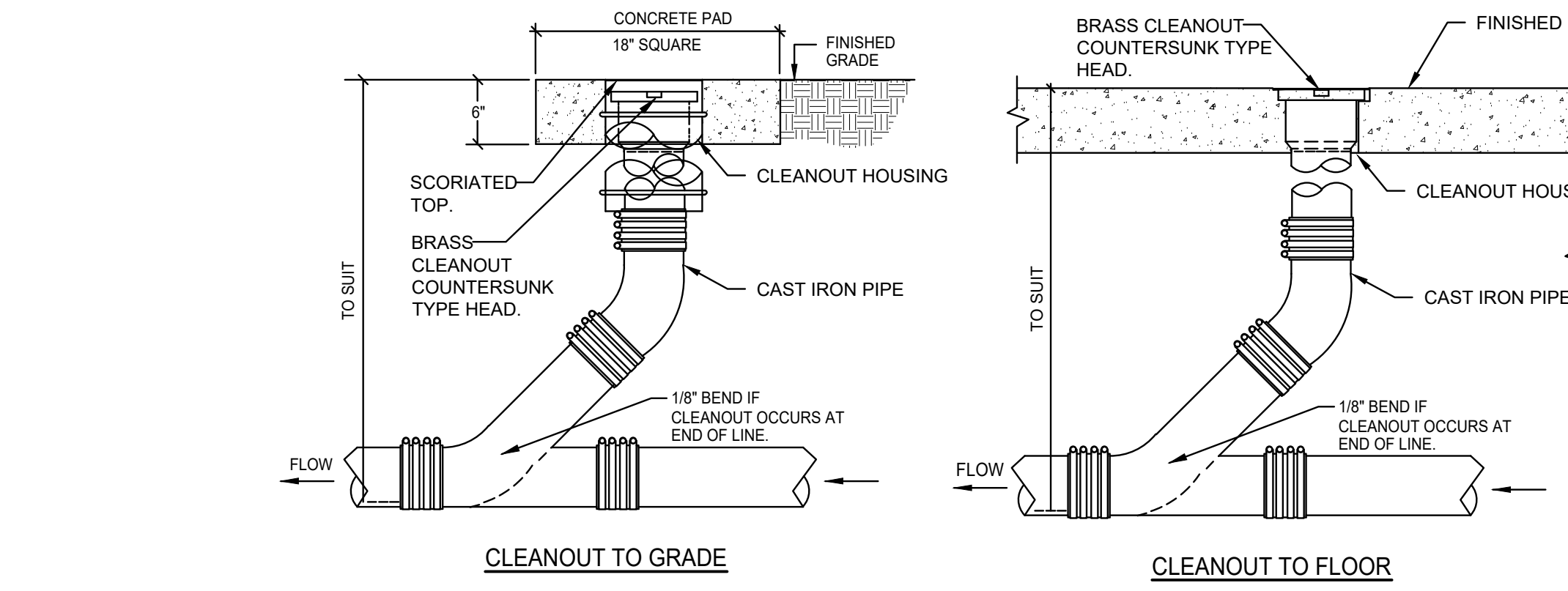
SHUT-OFF VALVE IN BOX DETAIL
 NTS (6) P6.1



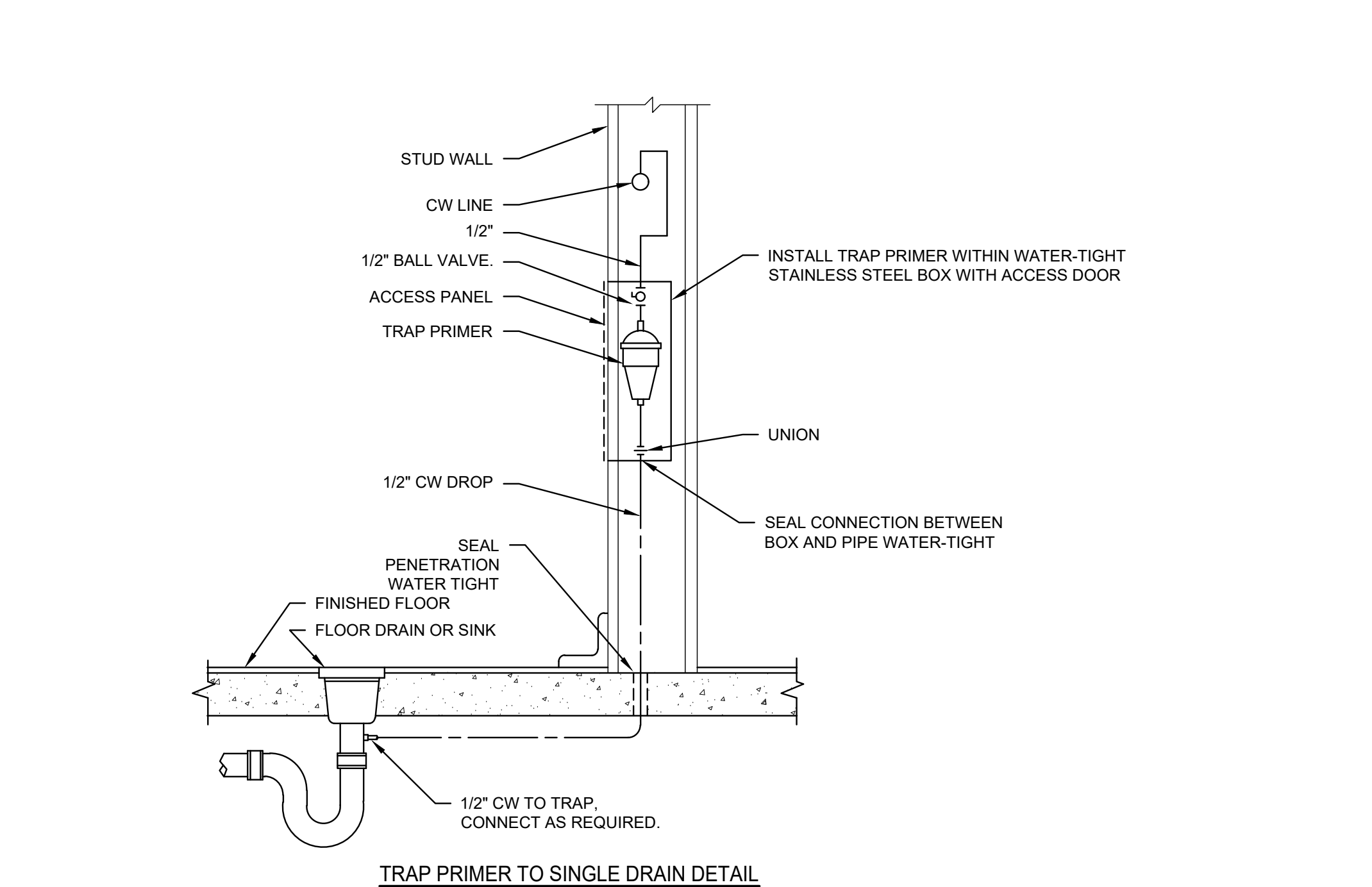
HANGER ROD SUPPORT DETAILS
 NTS (2) P6.1



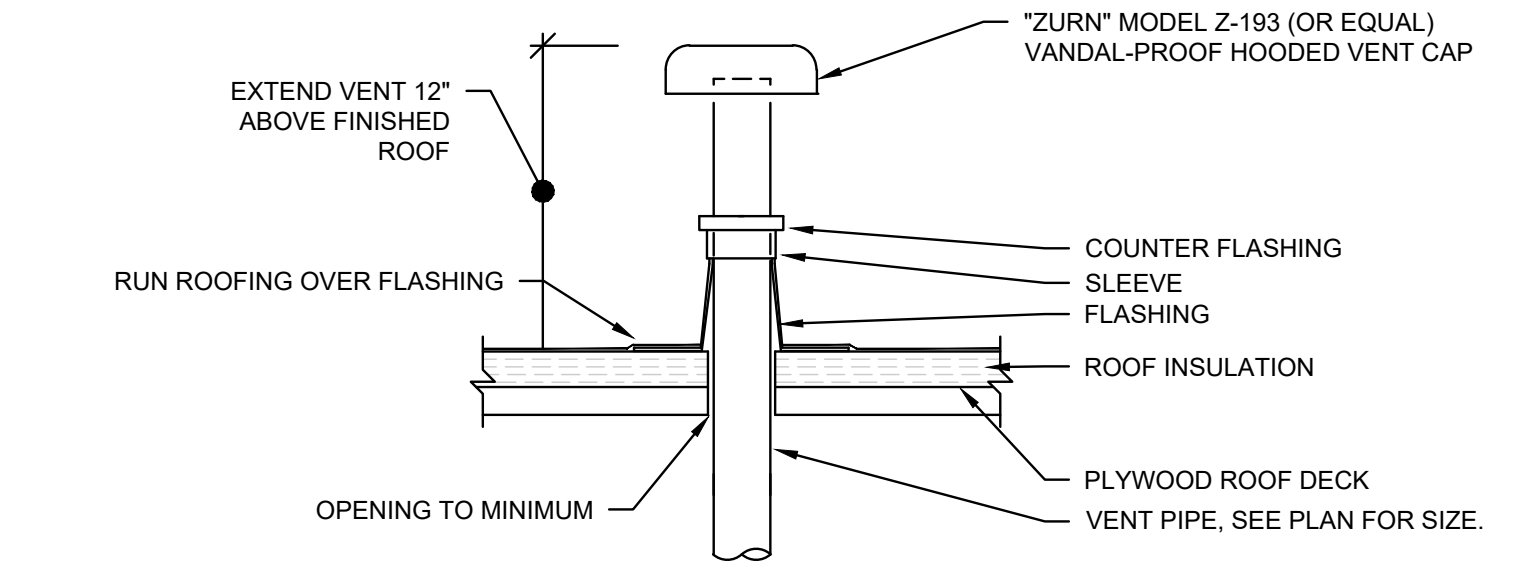
CLEANOUT DETAILS
 NTS (8) P6.1



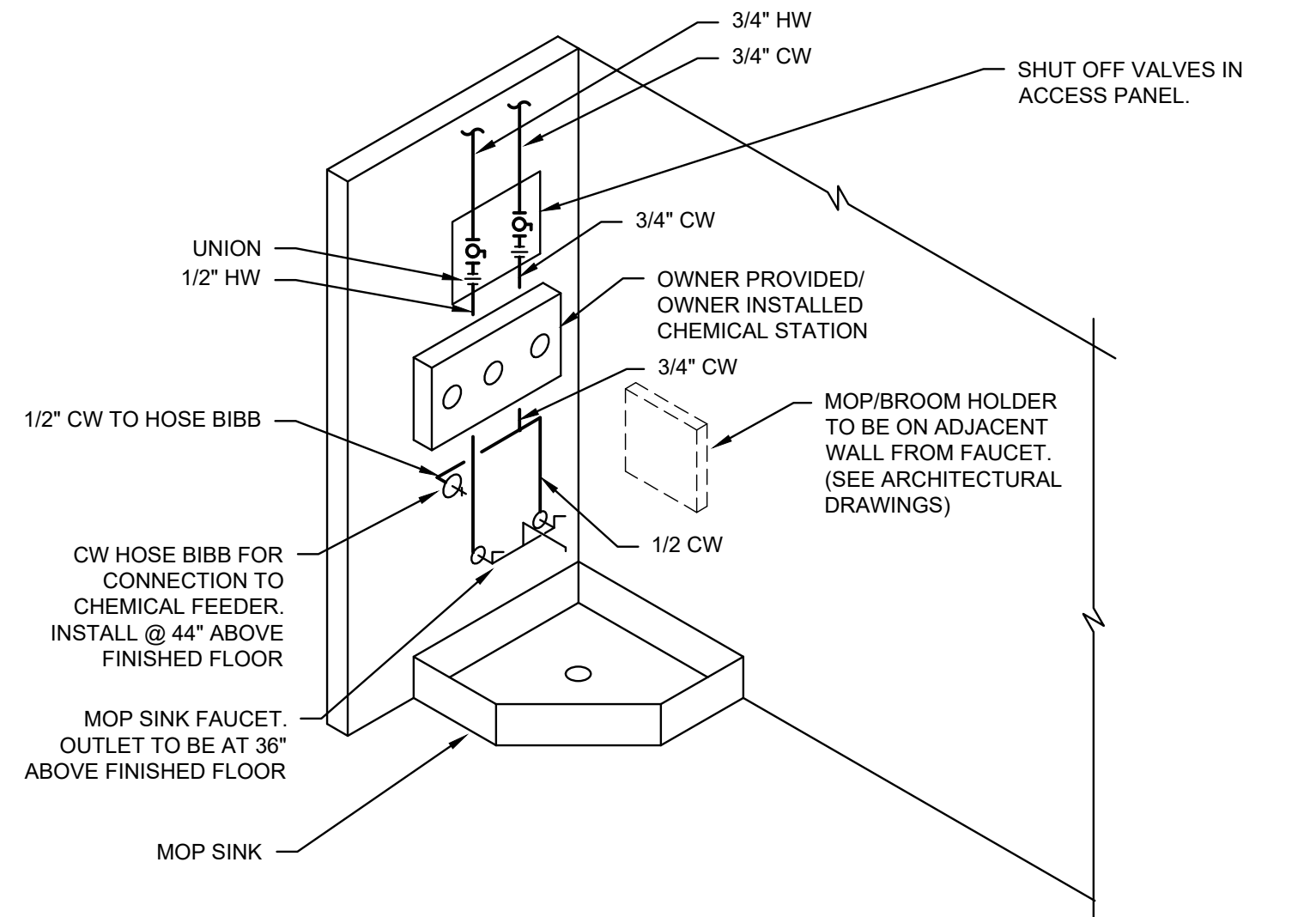
CLEANOUT TO GRADE
CLEANOUT TO FLOOR



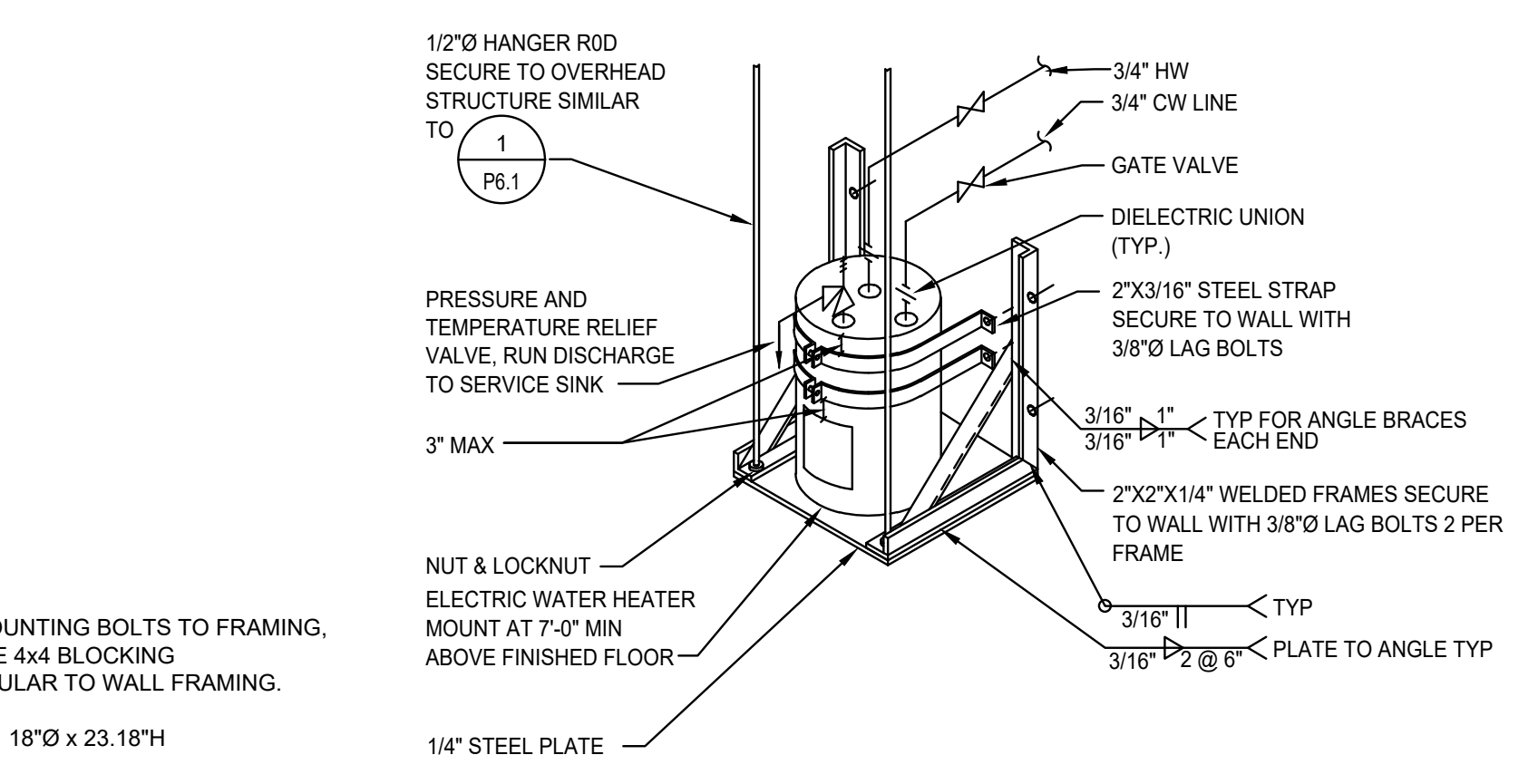
TRAP PRIMER TO SINGLE DRAIN DETAIL
 NTS (7) P6.1



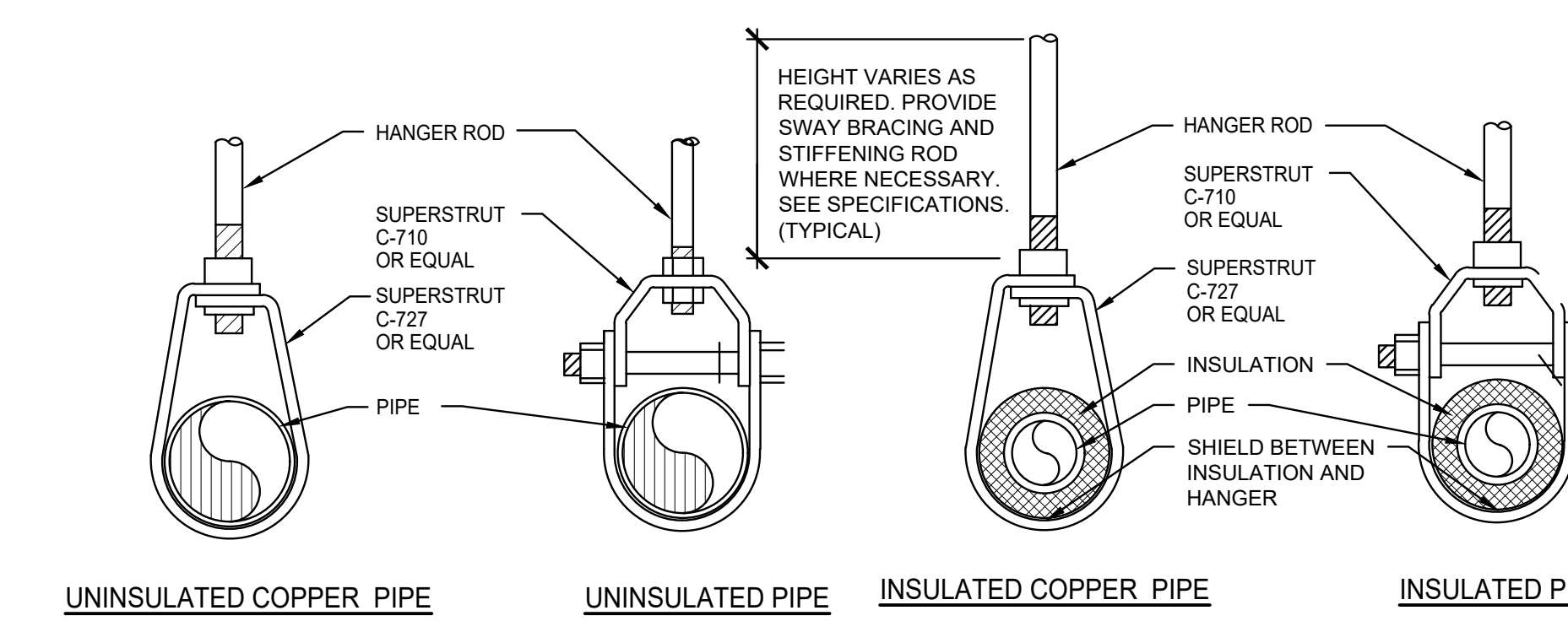
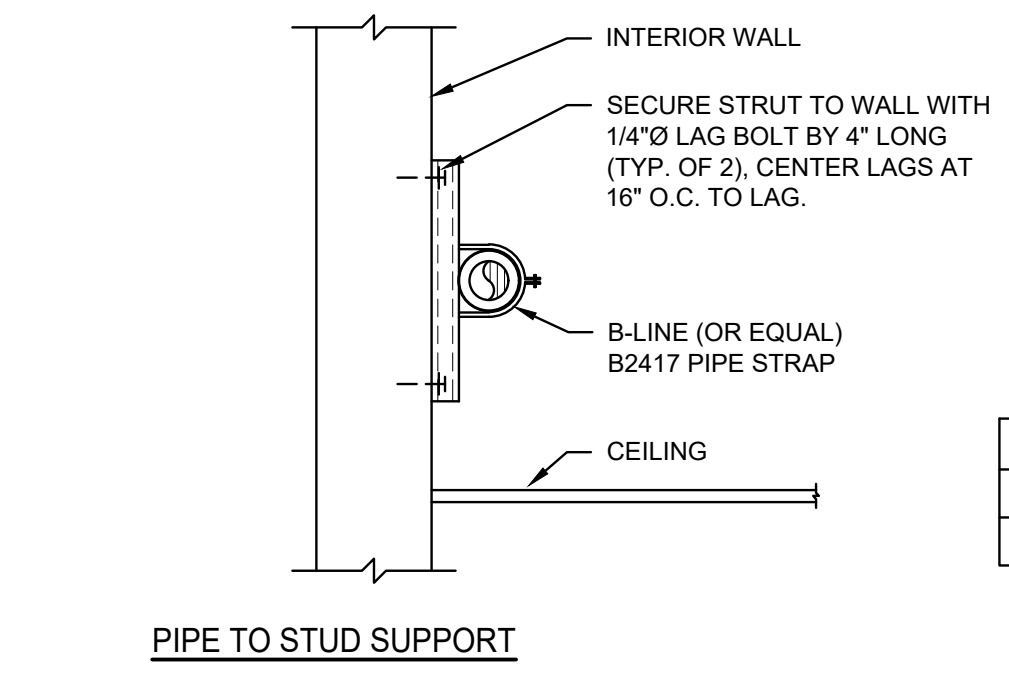
TYPICAL VENT PIPE THRU ROOF
 NTS (5) P6.1



MOP SINK CONFIGURATION
 NTS (4) P6.1



WALL MOUNTED ELECTRIC WATER HEATER
 NTS (3) P6.1



PIPE HANGER DETAILS
 NTS (1) P6.1

PIPE HANGER DETAILS
 NTS (1) P6.1

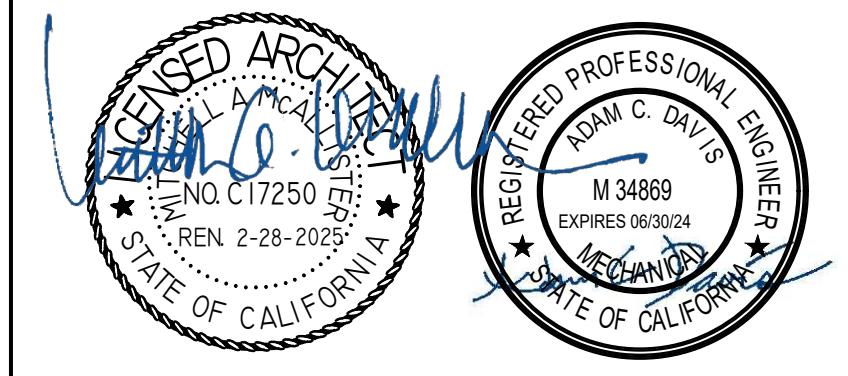
MECHANICAL AND PLUMBING DETAILS APPLY TO ALL BUILDINGS WHETHER CROSS-REFERENCED OR NOT



CALIFORNIA DESIGN WEST ARCHITECTS, Inc.
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 Sacramento, CA 95818
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 Fax: (916) 446-5118
 Web Page: ca-dw.com

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ARCHITECT: CONSULTANT:



CONSULTANT:
WESTON & ASSOCIATES
 MECHANICAL ENGINEERS
 601 UNIVERSITY AVE, SUITE 260 | SACRAMENTO, CA 95825
 WESTON & ASSOCIATES #22-074

PROJECT NAME:
SEQUOIA ELEMENTARY SCHOOL

3333 ROSEMONT DR
 SACRAMENTO, CA 95826

REPLACEMENT TOILET BUILDING AND SECURITY FENCING

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

SACRAMENTO COUNTY

KEY PLAN:
 This table indicates if the project data input into the compliance document is compliant with water heating requirements. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. or the table indicated as not compliant for guidance.

01	02	03	04
Domestic Hot Water Equipment	Distribution Systems	Controls	Compliance Results
Table F	Table G	Table H	
Yes	Yes	Yes	COMPLIES

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

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
 Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101
 Documentation Software: EnergyPro
 Compliance ID: EnergyPro-7509-0123-0036
 Report Generated: 2023-01-13 09:28:31

SHEET TITLE:
TITLE 24 CALCULATIONS

JOB NUMBER: SHEET NUMBER:
 DATE: APR 6, 2023
 REVISION: **P7.1**

STATE OF CALIFORNIA
Domestic Water Heating System
 CALIFORNIA ENERGY COMMISSION
 NRC-PLB-E
 Project Name: Sequoia ES Toilet Rm Report Page: (Page 2 of 6)
 Project Address: 3333 Rosemont Dr Date Prepared: 1/13/2023

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

F. DOMESTIC HOT WATER EQUIPMENT
 This table is used to demonstrate compliance with mandatory equipment requirements in 110.1 and 110.3. Compliance with prescriptive requirements in 140.5(c) / 170.2(d) must also be demonstrated and with 141.0 / 180.1 / 180.2 for addition and alteration scopes.

Equipment Schedule: Water Heating Efficiency and Standby Loss		03		04		05		06	
System Name	10 Gallon Electric	Exception to 140.5(c) / 170.2(d)			Gas Service Water Heating System >= 1MMBtu/h ¹	Capacity-weighted Average Efficiency %			
07	08	09	10	11	12	13	14	15	
Name or Item Tag	Equipment Type	Volume (gal)	Rated Input Capacity (Btu/h)	Max CFM / First Hour Rating (FHR)	Rated Efficiency	Minimum Efficiency Required	Efficiency Unit	Designed Standby Loss	Maximum Standby Loss
10 Gallon Electric	Consumer Rated Electric Storage	10	21,000	FHR >= 75	0.93	0.93	UEF		

FOOTNOTE: In systems >= 1MMBtu/h with multiple units, gas water heaters with input capacity > 100,000 Btu/h may meet 90% UEF requirements via an input capacity-weighted average.

Water Heating Equipment All Occupancies

	Yes	No	Not Applicable	Requirement
18	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unfired storage tank insulation shall have Internal + External >= R-16 OR External >= R-3.5. Label required per 110.3(c)(3)
19	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	New state buildings 60% of energy for service water heating from solar energy or recovered energy per 110.3(c)(5)
20	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Isolation valves for instantaneous water heater with input rating >= 6.8 kBtu/h or 2 kW has been specified per 110.3(c)(6)
21	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	School buildings: < 25,000 ft ² and < 4 stories must install a heat pump water heating system per 140.5(a)(1). Water heating systems serving an individual bathroom space may be an instantaneous electric water heater.

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STATE OF CALIFORNIA
Domestic Water Heating System
 CALIFORNIA ENERGY COMMISSION
 NRC-PLB-E
 Project Name: Sequoia ES Toilet Rm Report Page: (Page 4 of 6)
 Project Address: 3333 Rosemont Dr Date Prepared: 1/13/2023

H. DOMESTIC HOT WATER CONTROLS
 This table is used to demonstrate compliance with control requirements in 110.3 for all occupancies. For multifamily residential and hotel/motel occupancies, compliance is also demonstrated with requirements in 160.4(e) / 170.2(d).

	Yes	No	Not Applicable	Requirement
01	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls capable of adjusting temperature settings per 110.3(a).
02	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Systems with capacity > 167,000 BTUH equipped with outlet temperature controls per 110.3(c)(1) unless covered by California Plumbing Code 613.0.
03	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Controls for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per 110.3(c)(2) unless systems serve healthcare facility.
04	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	For recirculation systems serving multiple dwelling units, design includes automatic pump controls per 170.2(d) or 180.1(b)(3) for additions.
05	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	For recirculation systems serving individual dwelling units, design includes manual on/off controls as specified in Reference Appendix RA4.4.9 per 170.2(d).
06	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Combustion air positive shut-off shall be provided per 160.4(i)(3) on all newly installed commercial boilers as follows: • Boilers with input capacity >= 2.5 MMBtu/h, in which the boiler is designed to operate with a nonpositive vent static pressure. • Boilers where one stack serves two or more boilers with a total combined input capacity per stack of 2.5 MMBtu/h. Boiler combustion air fans with motor >= 10 hp shall meet one of the following: • The fan motor shall be driven by a variable speed drive OR • The fan motor shall include controls that limit the fan motor demand to <= 30% of the total design wattage at 50% of the design air volume. Newly installed boilers with an input capacity (dgtte) 5MMBtu/h and a steady state full-load combustion efficiency < 90% shall maintain excess (stack-gas) oxygen concentrations <= 5% by volume on a dry basis over firing rates of 20-100%. Combustion air volume shall be controlled with respect to firing rate or flue gas oxygen concentration. Use of a common gas and combustion air control linkage or jack shaft is prohibited.

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
 Form/Title
 NRC-PLB-E - Must be submitted for all buildings

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
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STATE OF CALIFORNIA
Domestic Water Heating System
 CALIFORNIA ENERGY COMMISSION
 NRC-PLB-E
 Project Name: Sequoia ES Toilet Rm Report Page: (Page 6 of 6)
 Project Address: 3333 Rosemont Dr Date Prepared: 1/13/2023

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan Smith
 Signature Date: 2023-01-13
 Company: Weston & Associates Mechanical Engineers, Inc.
 Address: 601 University Avenue, Suite 260
 City/State/Zip: Sacramento CA 95825
 Phone: (916) 482-0820

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury, under the laws of the State of California:
 1. The information provided on this Certificate of Compliance is true and correct.
 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Adam Davis
 Signature Date: 2023-01-13
 Company: Weston & Associates
 Address: 601 University Ave Suite 260
 City/State/Zip: Sacramento CA 95825
 Phone: (916) 482-0820

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
 Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101
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STATE OF CALIFORNIA
Domestic Water Heating System
 CALIFORNIA ENERGY COMMISSION
 NRC-PLB-E
 Project Name: Sequoia ES Toilet Rm Report Page: (Page 5 of 6)
 Project Address: 3333 Rosemont Dr Date Prepared: 1/13/2023

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
 There are no forms required for this project.

K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION
 There are no forms required for this project.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
 Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101
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 Report Generated: 2023-01-13 09:28:31

G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM
 This table is used to demonstrate compliance for nonresidential occupancies with distribution requirements in 120.3 and 140.5. For multifamily and hotel/motel occupancies, compliance is demonstrated with requirements 110.3(c), 160.4, 170.2(d).

Mandatory Pipe Insulation All Occupancies

13	<input type="checkbox"/>	For systems serving dwelling units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A (see below) except: • Piping that penetrates framing members shall not be required to have pipe insulation for the distance of the framing penetration. Piping that penetrates metal framing shall use grommets, plugs, wrapping or other insulating material to assure that no contact is made with the metal framing. Insulation shall shut securely against all framing members. • Piping installed in interior or exterior walls shall not be required to have pipe insulation if all of the requirements are met for compliance with Quality Insulation Installation (QII) as specified in the Reference Residential Appendix RA3.5. • Piping surrounded with a minimum of 3 inch of wall insulation, 2 inches of crawspace insulation, or 4 inches of attic insulation, shall not be required to have pipe insulation.
14	<input checked="" type="checkbox"/>	For systems serving nonresidential spaces, pipe insulation for the following applications is specified to comply with Table 120.3-A (see below) per 120.3: • Recirculating system piping, including supply and return piping of the water heater • The first 8 ft of hot and cold outlet piping, including between storage tank and heat trap, for a nonrecirculating storage system • Pipes that are externally heated
15	<input type="checkbox"/>	Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service per 120.3(b) / 160.4(f). Pipe insulation buried below grade must be installed in a water proof and non-crushable casing or sleeve.

TABLE 120.3-A / 160.4-A PIPE INSULATION THICKNESS

Fluid Temperature Range (°F)	Conductivity Range (Btu-in per hour per ft ² per °F)	Insulation Mean Rating Temp (°F)	Nominal Pipe Diameter (in)		
			< 1	1 to < 1.5	1.5 to < 4
105-140	0.22 - 0.28	100	1.0 in or R-7.7	1.5 in or R-12.5	1.5 to < 4 Multifamily & Hotel/Motel 1.5 in or R-11 2.0 in or R-16

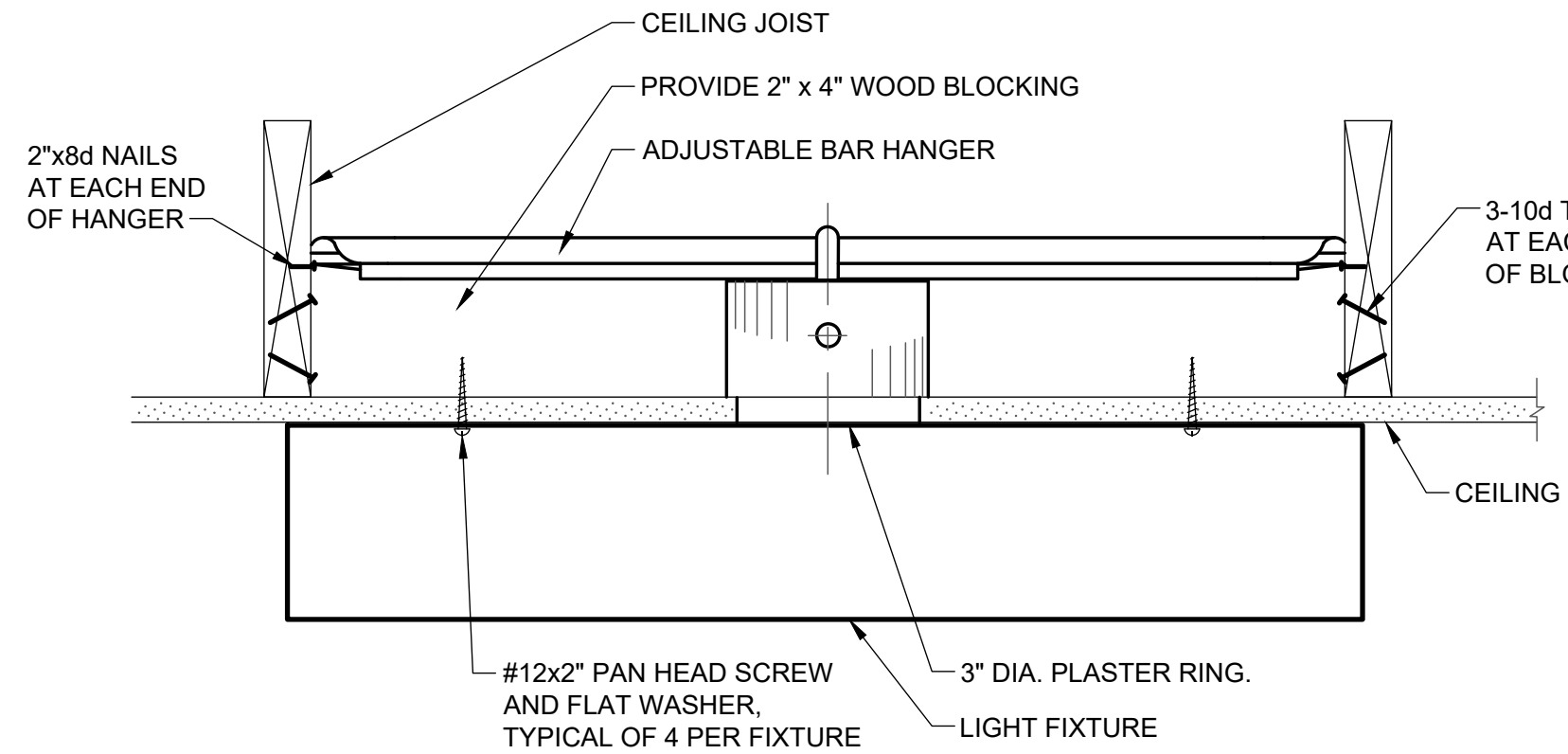
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 Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101
 Documentation Software: EnergyPro
 Compliance ID: EnergyPro-7509-0123-0036
 Report Generated: 2023-01-13 09:28:31

Applicable Code: 2022 CBC
 MEP Component Anchorage Note
 All mechanical, plumbing, and electrical components shall be anchored and installed per the details on the DSA-approved construction documents. The following components shall be anchored or braced to meet the force and displacement requirements prescribed in the 2022 CBC Sections 1617A.1.18 through 1617A.1.26 and ASCE 7-16 Chapters 13, 26, and 30:
 1. All permanent equipment and components.
 2. Temporary, movable or mobile equipment that is permanently attached (e.g., hard wired) to the building utility services such as electricity, gas or water. "Permanently attached" shall include all electrical connections except plugs for 110/220 volt receptacles having a flexible cable.
 3. Temporary, movable or mobile equipment which is heavier than 400 pounds or has a center of mass located 4 feet or more above the adjacent floor or roof level that directly support the component is required to be restrained in a manner approved by DSA.
 The following mechanical and electrical components shall be positively attached to the structure but need not demonstrate design compliance with the references noted above. These components shall have flexible connections provided between the component and associated ductwork, piping, and conduit. Flexible connections must allow movement in both transverse and longitudinal directions:
 A. Components weighing less than 400 pounds and having a center of mass located 4 feet or less above the adjacent floor or roof level that directly support the component.
 B. Components weighing less than 20 pounds, or in the case of distributed systems, less than 5 pounds per foot, which are suspended from a roof or floor or hung from a wall.
 The anchorage of all mechanical, electrical and plumbing components shall be subject to the approval of the design professional in general responsible charge or 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.

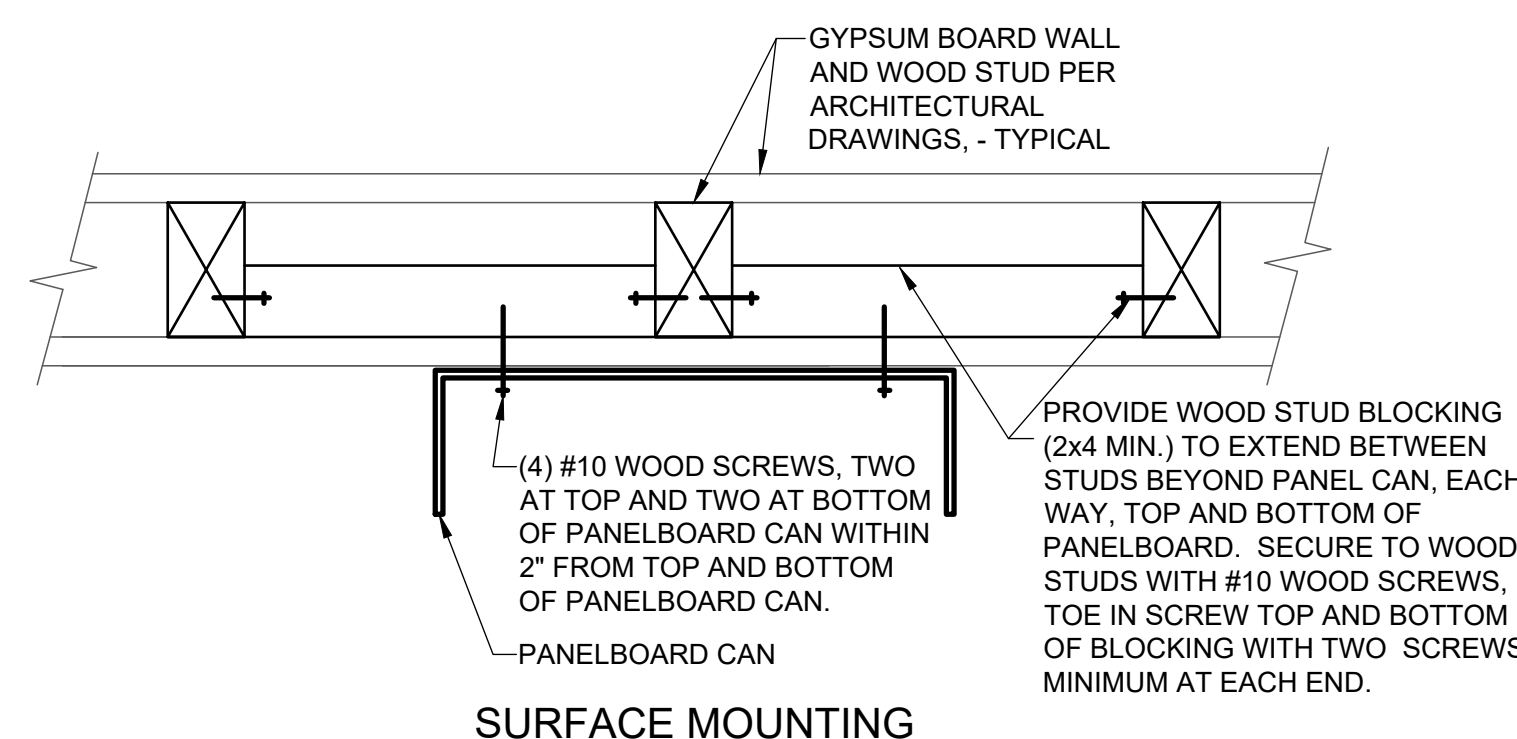
Applicable Code: 2022 CBC
 Piping, Ductwork, and Electrical Distribution System Bracing Note
 Piping, ductwork, and electrical distribution systems shall be braced to comply with the forces and displacements prescribed in ASCE 7-16 Section 13.3 as defined in ASCE 7-16 Sections 13.6.5, 13.6.6, 13.6.7, 13.6.8, and 2022 CBC, Sections 1617A.1.24, 1617A.1.25 and 1617A.1.26.
 The method of showing bracing and attachments to the structure for the identified distribution system are as noted below. When bracing and attachments are based on a preapproved installation guide (e.g., HCAI OPM for 2013 CBC or later), copies of the bracing system installation guide or manual shall be available on the jobsite prior to the start and during the hanging and bracing of the distribution systems. The Structural Engineer of Record shall verify the adequacy of the structure to support the hanger and brace loads.
 Mechanical Piping (MP), Mechanical Ducts (MD), Plumbing Piping (PP), Electrical Distribution Systems (E):
 MP MD PP Option 1: Detailed on the approved drawings with project specific notes and details.
 MP MD PP E Option 2: Shall comply with HCAI (OSHFD) Preapproval (OPM) # _____.

LUMINAIRE SCHEDULE					
TYPE	MANUFACTURER CATALOG NO.	VOLTAGE DESCRIPTION	LIGHT SOURCE (LED, WATTS, LUMENS, COLOR TEMPERATURE, CRI, RIF AVAILABLE)	MOUNTING	REMARK NOTE No.
A	WILLIAMS 39 39-4-L30-935-A-SIM-UNV	120V LED 1x4 SURFACE	LED, 22.8W, 3500K, 90CRI	SURFACE	①
B	WILLIAMS WPCS-L30-8-40-BZ	120V WALL PACK	LED, 28W, 4000K, 90CRI	WALL	①

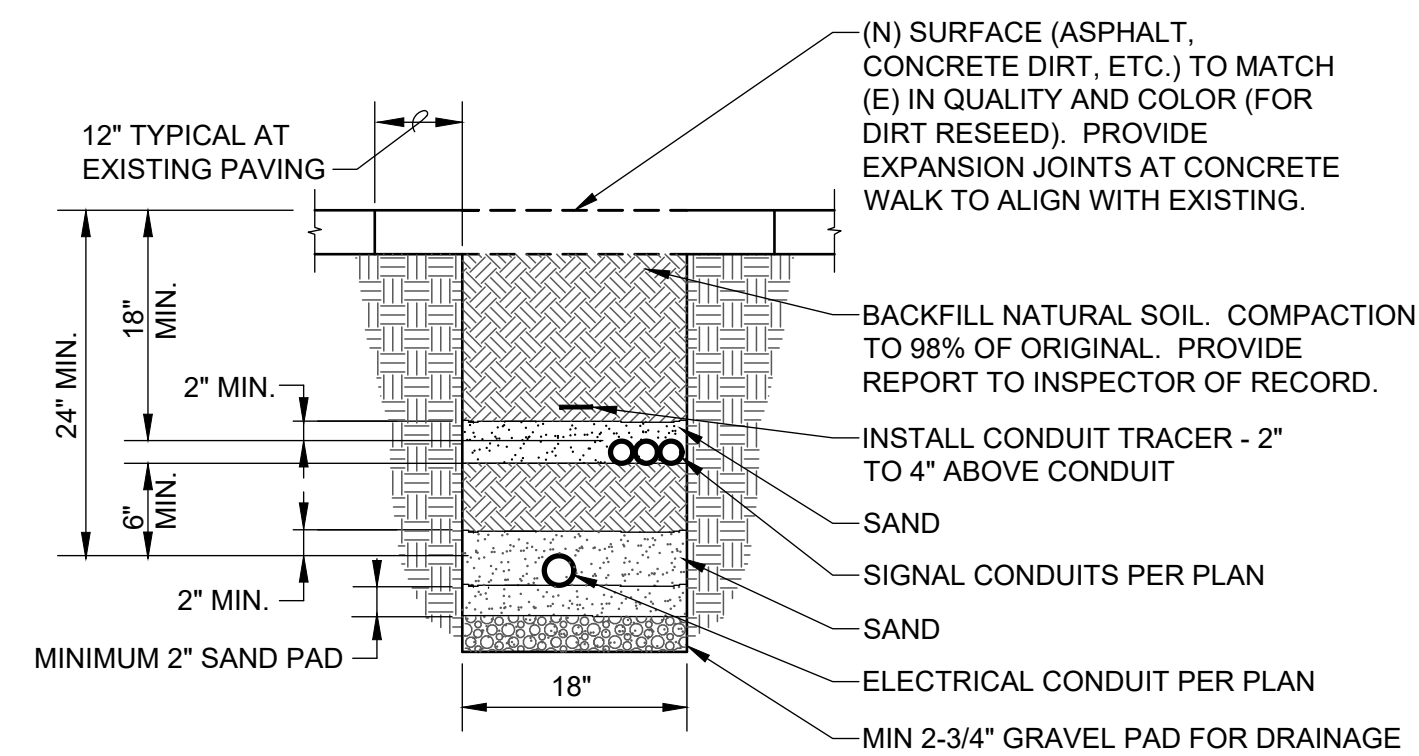
LUMINAIRE SCHEDULE REMARK NOTES:
 ① PROVIDE WITH SELF TESTING, SELF DIAGNOSTIC BATTERY PACK TO MAINTAIN ILLUMINATION FOR A MINIMUM OF 90 MINUTES PER CBC 1011.5.3. REFER TO FLOOR PLAN FOR LOCATION.



1 SURFACE FIXTURE MOUNTING DETAIL
 E001 NO SCALE



2 PANELBOARD MOUNTING DETAIL
 E001 NO SCALE



3 CONDUIT TRENCHING DETAIL
 E0.1 NO SCALE

ELECTRICAL SYMBOL LIST

- Ⓜ JUNCTION BOX - SIZE AS REQUIRED BY CODE
- Ⓛ FIRE ALARM HEAT DETECTOR - CEILING MOUNTED. "AC" = ABOVE CEILING
- Ⓢ FIRE ALARM SMOKE DETECTOR - CEILING MOUNTED PHOTOELECTRIC.
- Ⓛ FIRE ALARM AUDIBLE DEVICE, +90° A.F.F. UNLESS OTHERWISE NOTED. DEFAULT DEVICE IS A SPEAKER
- Ⓛ FIRE ALARM AUDIO / VISUAL DEVICE, +90° A.F.F. DEFAULT AUDIO DEVICE IS A SPEAKER. "YY" INDICATES STROBE CANDELA RATING.
- Ⓛ VISUAL FIRE ALARM DEVICE +90° A.F.F. - WALL MOUNTED (LAMP, SIGNAL LIGHT, INDICATOR LAMP, STROBE). "YY" = CANDELA RATING
- Ⓜ FIRE ALARM MONITOR MODULE
- Ⓛ END OF LINE RESISTOR
- Ⓛ MASTER FIRE ALARM CONTROL PANEL
- Ⓛ REMOTE FIRE ALARM POWER SUPPLY
- Ⓛ EXTERIOR SPEAKER AND SPEAKER OUTLET - PROVIDE SPEAKER PER THE OWNER'S REQUIREMENTS. COORDINATE EXACT MODEL BEFORE BID. MATCH EXISTING ON THE SITE. COORDINATE LOCATION PRIOR TO ROUGH IN.
- #— CONDUIT RUN CONCEALED IN CEILINGS OR WALLS. NUMBER OF HASH MARKS DENOTES QUANTITY OF WIRES. CURVED HASH MARK DENOTES QUANTITY OF #12 GREEN GROUND WIRES. CONDUCTORS OTHER THAN #12 ARE INDICATED ON PLANS. NO HASH MARKS DENOTES 2 #12 AWG AND 1 #12 GREEN GROUND IN 1/2" CONDUIT. TYPICAL FOR ALL CONDUITS.
- ~— FLEXIBLE CONDUIT CONCEALED. NUMBER OF HASH MARKS DENOTES QUANTITY OF WIRES. OTHER THAN #12 ARE INDICATED ON PLANS. NO HASH MARKS DENOTES 2 #12 AWG AND 1 #12 GREEN GROUND IN 1/2" MINIMUM DIAMETER CONDUIT.
- CONDUIT RUN UNDERFLOOR OR UNDERGROUND MINIMUM 1" DIAMETER.
- CONDUIT HOMERUN TO PANELBOARD, SWITCHBOARD OR TERMINAL CABINET
- |— CONDUIT STUB WITH INSULATED BUSHING
- EXISTING CONDUIT AND WIRING
- ▬ PANELBOARD - SURFACE MOUNTED
- ▬ PANELBOARD - FLUSH MOUNTED
- ▬ EXISTING PANELBOARD - SURFACE MOUNTED
- ▬ EXISTING PANELBOARD - FLUSH MOUNTED
- ▬ TERMINAL CABINET
- ▬ SWITCHBOARD, DISTRIBUTION PANEL, OR MOTOR CONTROL CENTER
- ① DRAWING SHEET NUMBERED NOTE DESIGNATION - APPLIES TO NUMBERED NOTE ON SAME SHEET
- ① E-1 DRAWING PLAN OR DETAIL DESIGNATION - "1" OR "A" DENOTES PLAN OR DETAIL NUMBER, "E-1" DENOTES SHEET NUMBER

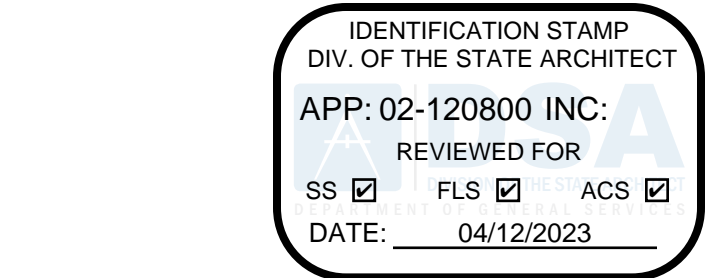
- SYMBOL LIST NOTES:**
- EXISTING ELECTRICAL EQUIPMENT, OUTLETS, AND DEVICES ARE SHOWN THE SAME AS NEW, EXCEPT LIGHTLY AND ACCOMPANIED BY (E). SUCH ELECTRICAL EQUIPMENT, OUTLETS, AND DEVICES ARE TO REMAIN AS IS, UNLESS OTHERWISE NOTED ON PLAN OR SPECIFICATION.
 - ELECTRICAL OUTLET BOXES MOUNTED ON OPPOSITE SIDES OF FIRE-RATED WALLS OR PARTITIONS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24 INCHES PER CBC 2013, WHETHER SHOWN ON THE PLANS OR NOT.
 - VERIFY ON SITE THAT ALL PANELBOARDS HAVE MINIMUM WORKING SPACES PER CODE AND THAT THE DEDICATED PANELBOARD SPACES ARE CLEAR OF ALL DUCTS, PIPING AND EQUIPMENT FOREIGN TO THE PANEL BOARDS. NOTIFY THE ENGINEER FOR CORRECTIVE ACTION IN THE EVENT THAT FOREIGN OBJECTS IMPEDE THE DEDICATED PANELBOARD AREAS.
 - WHERE CONDUIT STUB IS INDICATED, PROVIDE CONDUIT WITH BUSHING AT THE END OF CONDUIT AND PULL ROPE INTO ACCESSIBLE CEILING AREA.

ELECTRICAL SHEET INDEX

No. OF SHEETS	DRAWING No.	DRAWING DESCRIPTIONS
1	E001	COVER SHEET - ELECTRICAL
2	E100	SITE PLANS - ELECTRICAL
3	E200	FLOOR PLANS - ELECTRICAL
4	E400	FIRE ALARM NOTES, DIAGRAMS, CALCULATIONS
5	E500	ELECTRICAL SPECIFICATIONS
6	E510	ELECTRICAL SPECIFICATIONS

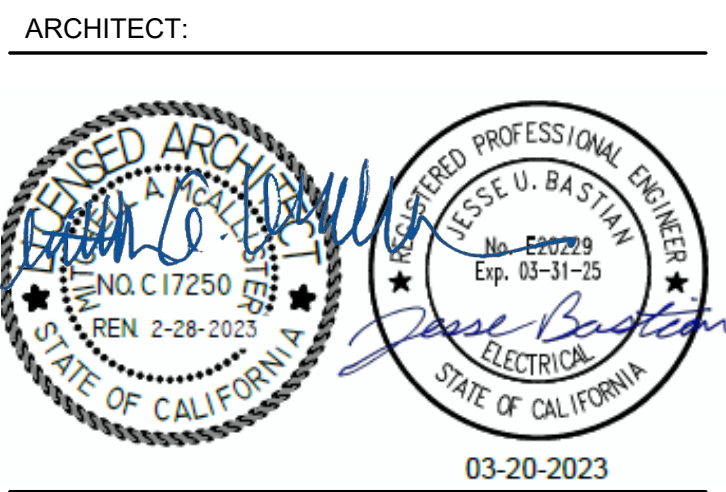
ABBREVIATIONS

A	AMPERES	GND	GROUND
AC	ABOVE CEILING	IDF	INTERMEDIATE DISTRIBUTION FRAME
A.F.F.	ABOVE FINISHED FLOOR	MAX.	MAXIMUM
APPROX	APPROXIMATE	MIN.	MINIMUM
AWG	AMERICAN WIRE GAUGE	(N)	NEW
BKR	BREAKER	NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION
C.	CONDUIT	QTY	QUANTITY
C.B.	CIRCUIT BREAKER	THW	INSULATED STRAND WIRE
CKT	CIRCUIT	THHN	NYLON JACKETED WIRE
C.O.	CONDUIT ONLY, WITH PULL WIRE	UG	UNDERGROUND
(E)	EXISTING	UL	UNDERWRITERS LABORATORY
(F)	FUTURE	UON	UNLESS OTHERWISE NOTED
FA	FIRE ALARM	WP	WEATHER PROTECTED
GA.	GAUGE	XHHW	CROSS-LINKED POLYETHYLENE WIRE INSULATED



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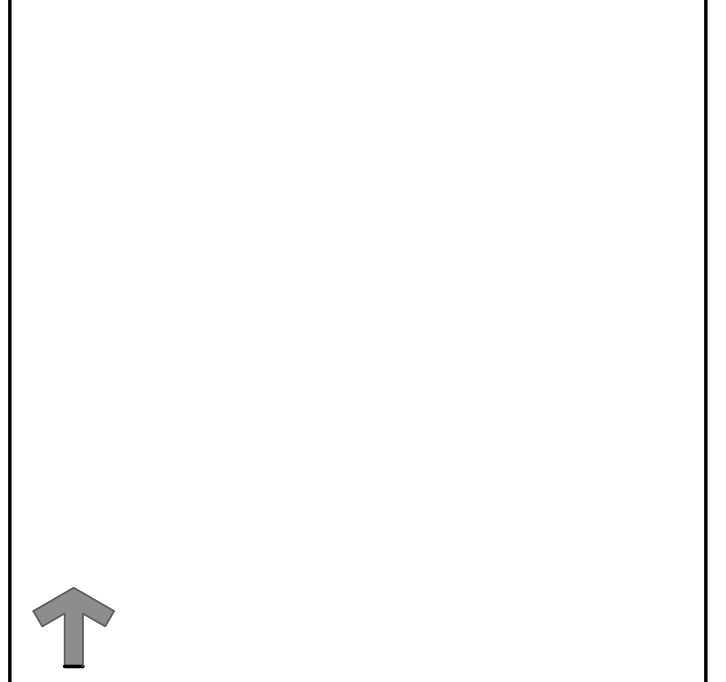
SEQUOIA ES TOILET BUILDING AND SECURITY FENCING

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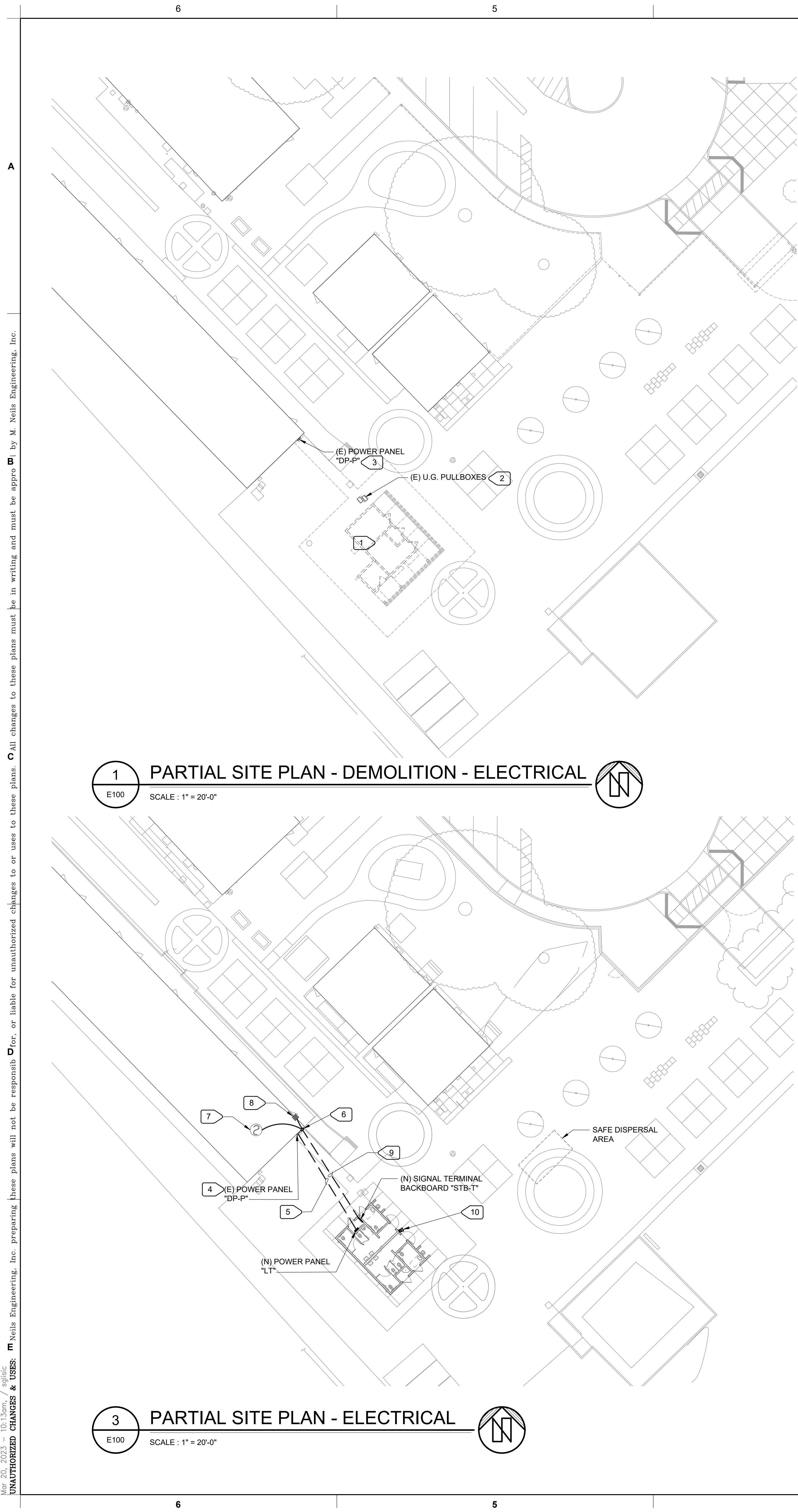


COVER SHEET - ELECTRICAL

JOB NUMBER:	SHEET NUMBER:
DATE: NOV 14, 2022	E001
REVISION: 5/24/2022	

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 PROJECT #: 22301.21
 PROJECT MGR: Sinisha Glisic

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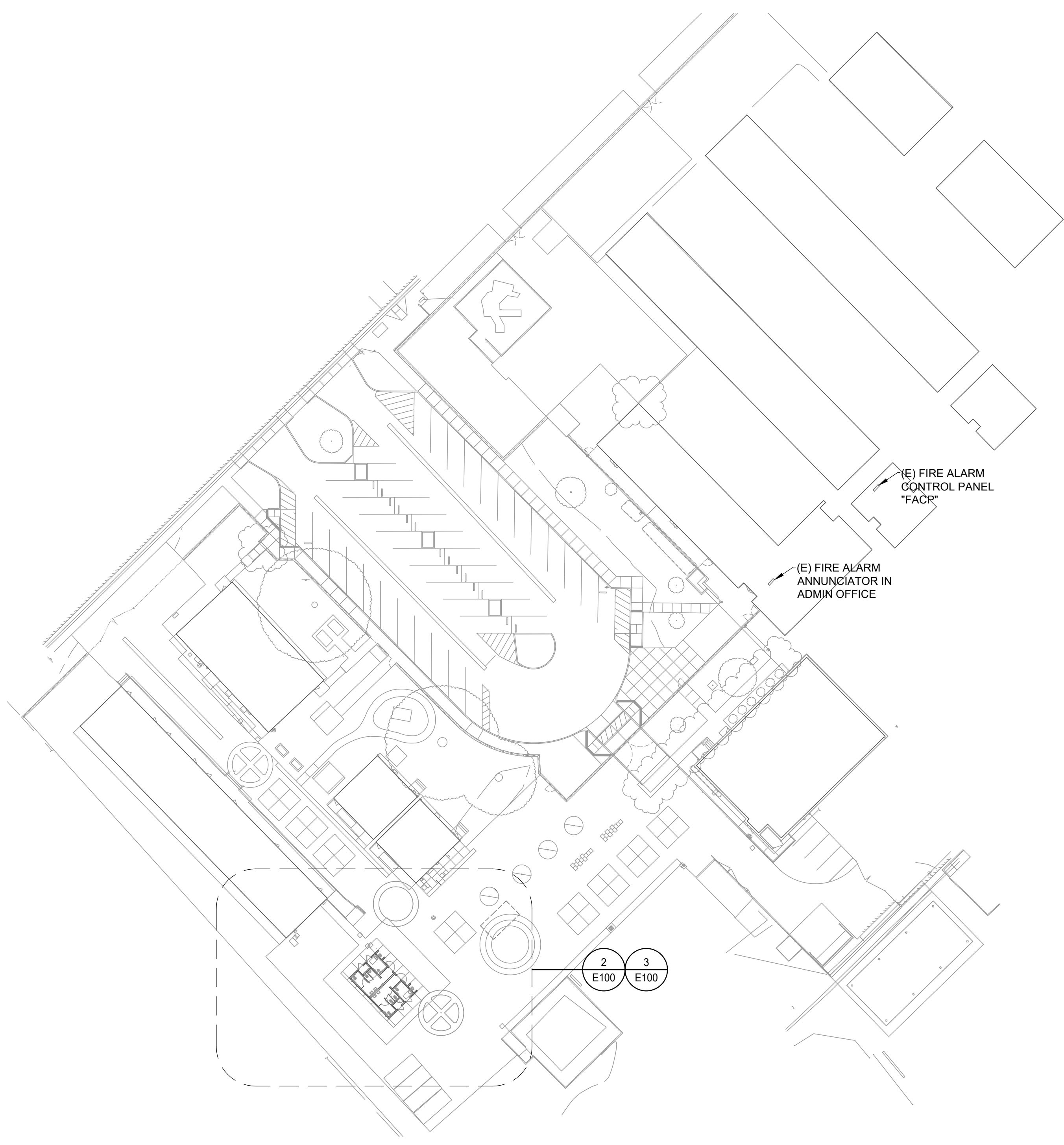


1 PARTIAL SITE PLAN - DEMOLITION - ELECTRICAL
 E100 SCALE: 1" = 20'-0"

3 PARTIAL SITE PLAN - ELECTRICAL
 E100 SCALE: 1" = 20'-0"

EXISTING PANEL "DP-P" LOAD JUSTIFICATION		
EXISTING LOADS		
HVAC		14.90 KVA
SUB PANEL		16.64 KVA
NEW LOADS BEING ADDED		
PANEL "LT"	=	11.70 KVA
TOTAL LOAD (EXISTING + NEW)	=	43.24 KVA
43.2 KVA AT 208Y/120V, 3 PHASE, 4 WIRE = 120.16 AMPERES		
THEREFORE, EXISTING 125 AMPERES PANEL, 125/3 AMPERES MAIN CIRCUIT BREAKER, AND FEEDER HAVE THE CAPACITY FOR NEW LOAD ADDITIONS.		

- NUMBERED NOTES**
- DISCONNECT POWER TO (E) TOILET BUILDING AND REMOVE FEEDER TO (E) POWER PANEL "DP-P". DISCONNECT (E) FIRE ALARM FEEDER. INSURE CONTINUITY OF REMAINING BUILDINGS. PROVIDE (N) WIRING IF NEEDED. DO NOT SPLICE FIRE ALARM WIRE IN U.G. PULLBOXES. REMOVE INTRUSION WIRING BACK TO SOURCE.
 - PROTECT (E) PULLBOXES.
 - REMOVE (E) 30/2 CIRCUIT BREAKER USED TO POWER RESTROOM BUILDING TO BE DEMOLISHED.
 - PROVIDE (N) 50/3 CIRCUIT BREAKER IN (E) SPACE. UPDATE PANEL DIRECTORY.
 - 1" C-4#6, 1#10G.
 - PROVIDE 6"X6"X4" NEMA 3R ENCLOSURE WITH SCREW COVER HIGH ON WALL. ENCLOSURE USED AS PULLBOX FOR FIRE ALARM AND INTRUSION ALARM WIRING - NO TERMINATION.
 - EXTEND (E) INITIATION FIRE ALARM CIRCUIT FROM (E) ADDRESSABLE SMOKE DETECTOR THROUGH (N) PULLBOX (NUMBERED NOTE 6), (N) SITE CONDUITS, AND TERMINATE AT (N) SIGNAL TERMINAL BACKBOARD "STB-T".
 - EXTEND (E) INTRUSION ALARM CIRCUIT THROUGH (N) PULLBOX (NUMBERED NOTE 6), (N) SITE CONDUITS, AND TERMINATE AT (N) SIGNAL TERMINAL BACKBOARD "STB-T".
 - RUN (2) (N) 1" C FROM (N) PULLBOX (NUMBERED NOTE 6) DOWN WALL THAN UNDERGROUND TO (N) BLDG. ELEC T106. ONE CONDUIT IS FOR INTRUSION ALARM, PROVIDE WIRING TO MATCH (E) ON SITE. OTHER CONDUIT IS FOR FIRE ALARM. PROVIDE WIRING PER FIRE ALARM RISER DIAGRAM. PAINT EXPOSED CONDUITS ATTACHED TO WALL TO MATCH WALL COLOR.
 - PROVIDE FLOOD LIGHT, GARDCO DFL7-RM-32L-900-NW-G2-120. ARCHITECT TO CHOSE COLOR FROM STANDARD COLORS. CONNECT PER EXTERIOR LIGHTING DIAGRAM - SHEET E200. MOUNT AND AIM TO LIGHT PATH OF EXIT DISCHARGE TO SAFE DISPERSAL AREA. COORDINATE WITH ARCHITECT BEFORE ROUGH IN.



2 SITE PLAN - ELECTRICAL
 E100 SCALE: 1" = 40'-0"

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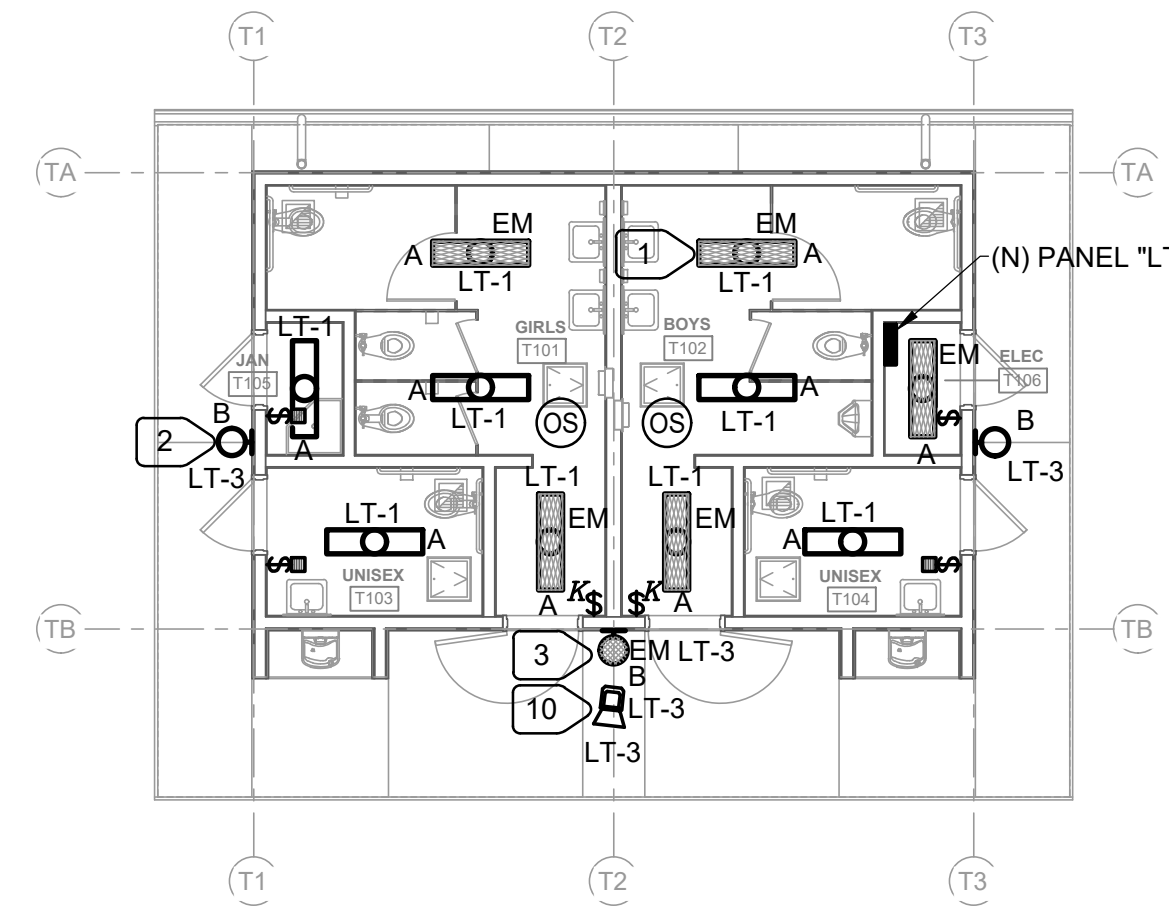
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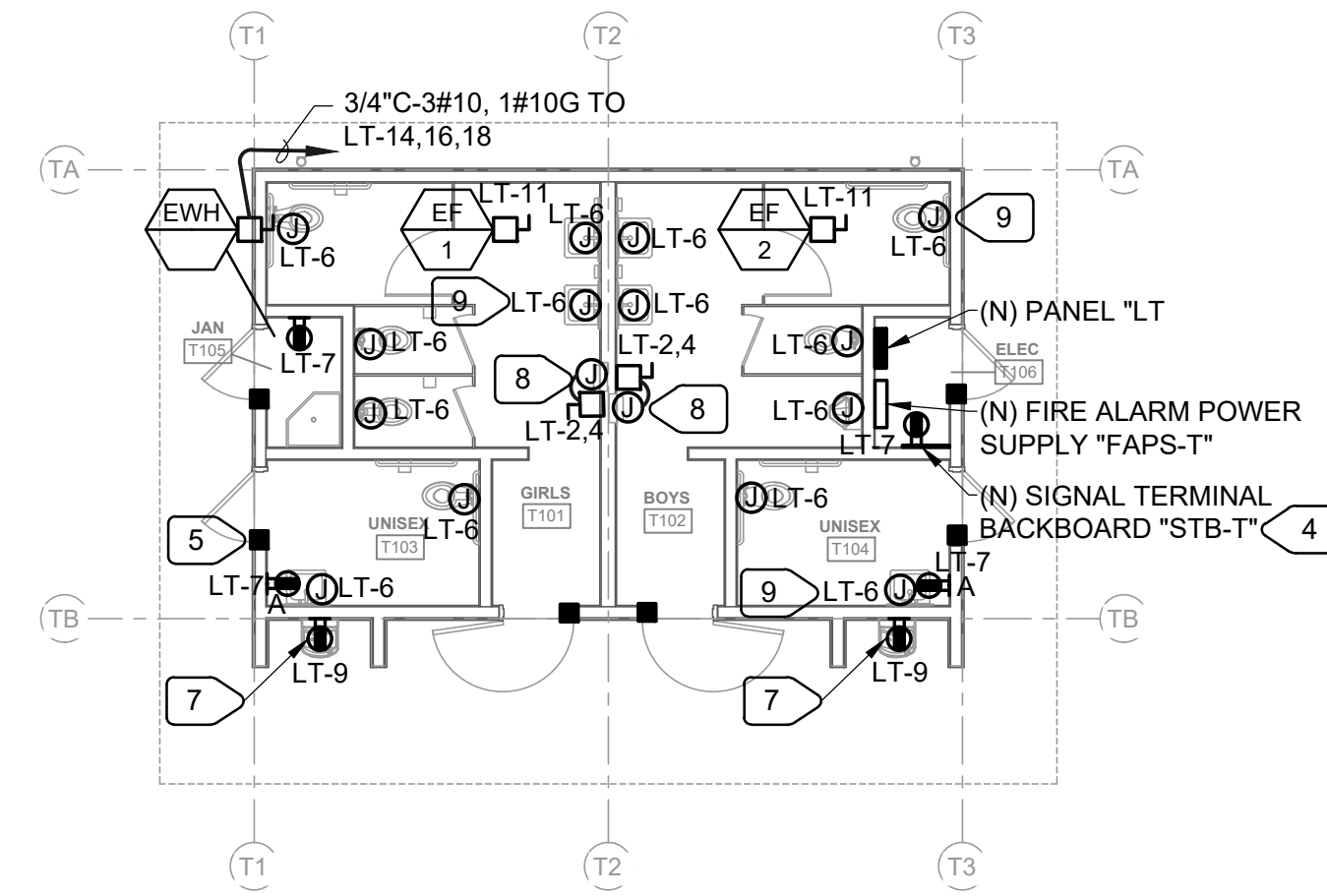
KEY PLAN:	
SHEET TITLE: SITE PLANS - ELECTRICAL	
JOB NUMBER:	SHEET NUMBER: E100
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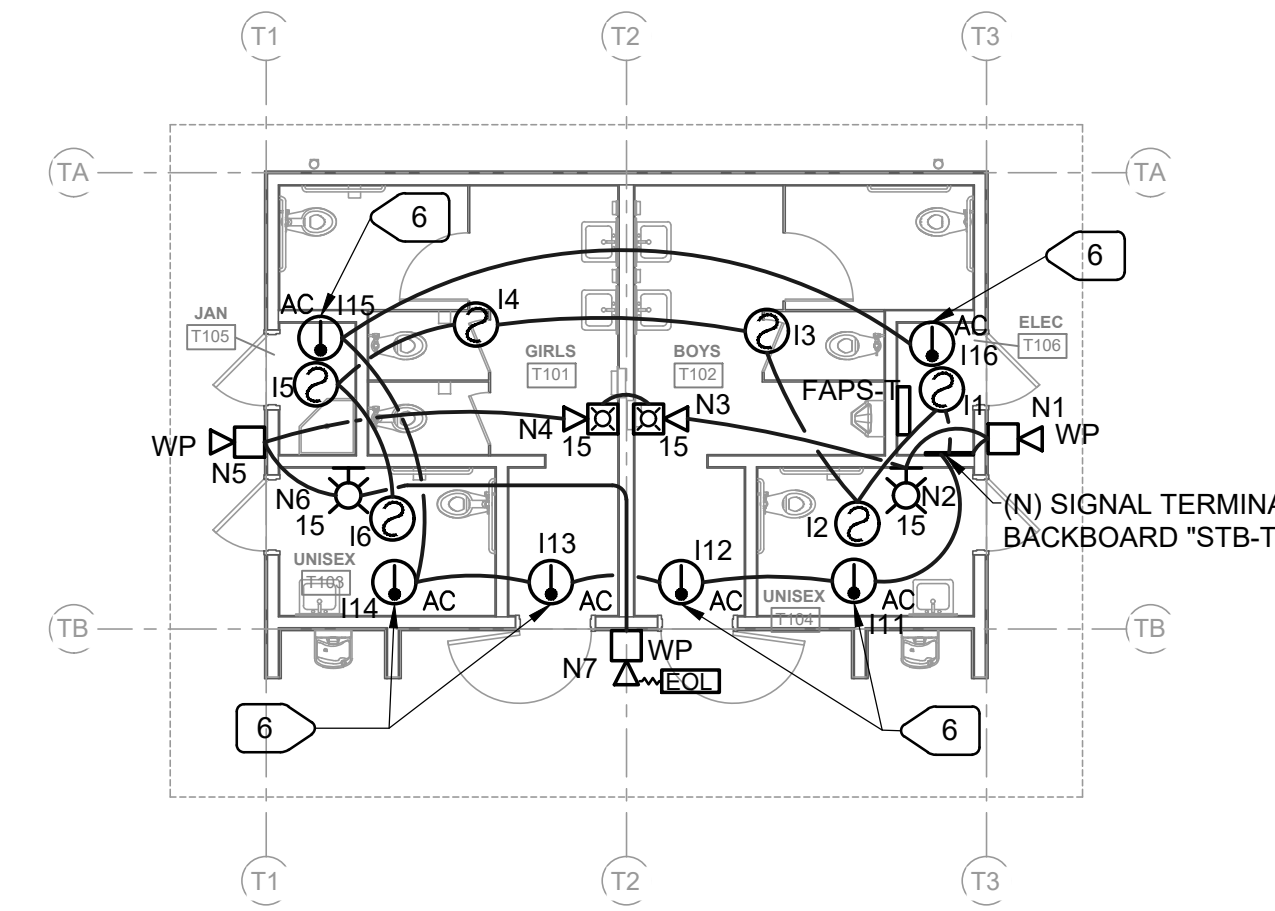
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1 FLOOR PLAN - LIGHTING
E210 SCALE : 1/8" = 1'-0"

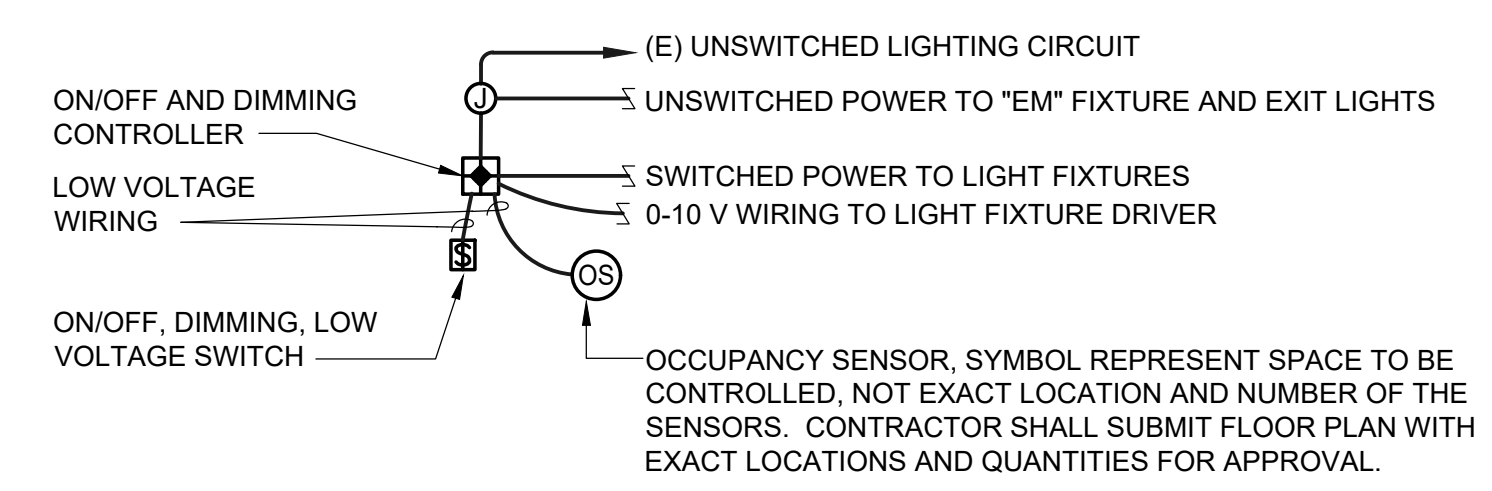


2 FLOOR PLAN - ELECTRICAL
E210 SCALE : 1/8" = 1'-0"

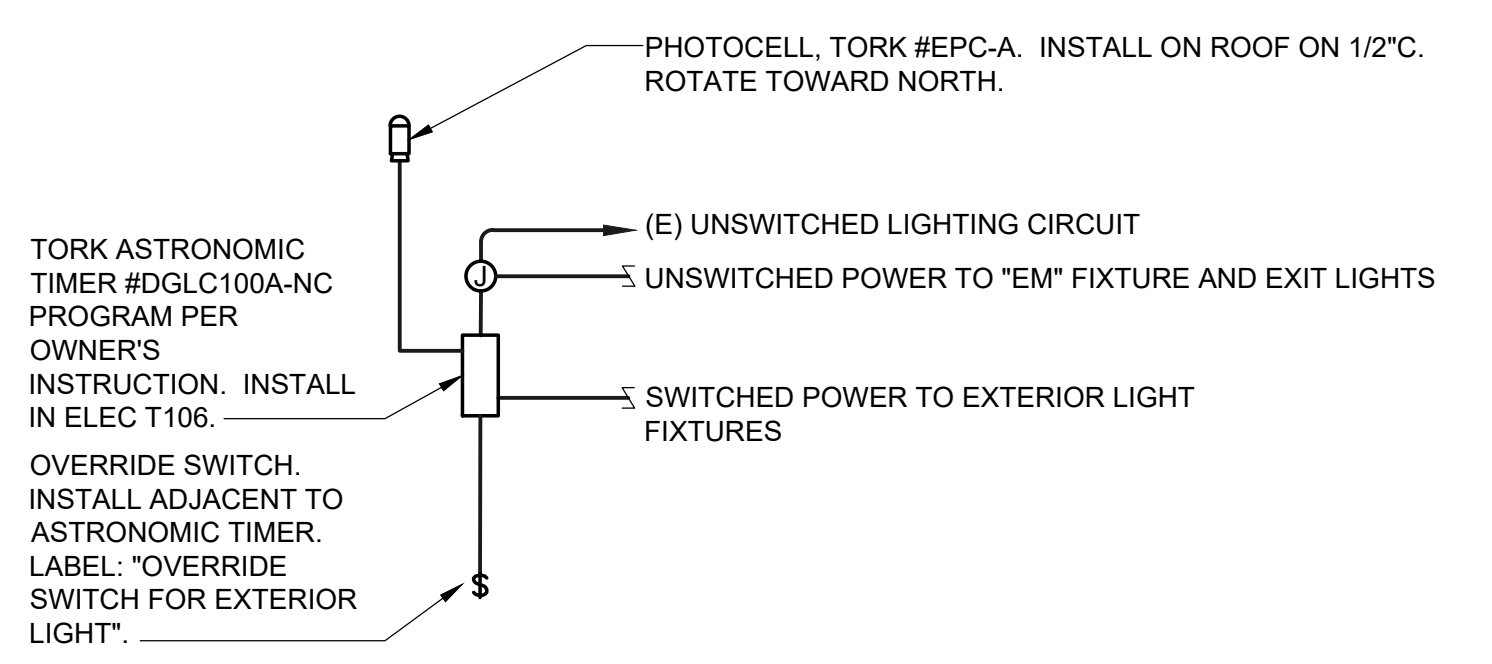


3 FLOOR PLAN - FIRE ALARM
E210 SCALE : 1/8" = 1'-0"

- NUMBERED NOTES:**
- PROVIDE UNSWITCHED "HOT" TO BATTERY OPERATED DRIVER. CONNECT FIXTURE TO SWITCH ON/OFF WITH OTHER FIXTURES IN COMMON SPACE (WHERE APPLICABLE), AND TO TURN ON DURING POWER BLACKOUTS. TYPICAL FOR "EM" FIXTURES.
 - CONNECT EXTERIOR LIGHTS VIA LIGHTING CONTROL - SEE DIAGRAM. COORDINATE EXACT LOCATION /HEIGHT WITH ARCHITECT BEFORE ROUGH IN. TYPICAL.
 - PROVIDE WITH INTEGRAL 90MIN. MINIMUM BATTERY PACK. INSTALL BELOW FLOOD LIGHT. COORDINATE WITH ARCHITECT EXACT MOUNTING HEIGHT BEFORE ROUGH IN.
 - PROVIDE 2X4' PLYWOOD BACKBOARD. PAINT WITH (3) COATS OF FIRE RETARDANT WHITE COLOR. INSTALL SUCH THAT TOP OF BACKBOARD IS AT 6".
 - PROVIDE FLUSH MOUNTED DOOR SWITCHES FOR INTRUSION ALARM. SWITCHES SHALL MATCH (E) ON SITE. TYPICAL.
 - MOUNT WITHIN 3' OF HIGHEST POINT IN ATTIC SPACE.
 - PROVIDE FOR DRINKING WATER FOUNTAIN. MOUNT IN WP ENCLOSURE. COORDINATE EXACT REQUIREMENTS BEFORE ROUGH IN.
 - CONNECT HAND DRYER. COORDINATE EXACT REQUIREMENTS BEFORE ROUGH IN.
 - CONNECT TOILET/URNAL FLASH VALVE AND FAUCETS. COORDINATE WORK WITH PLUMBING CONTRACTOR. ELECTRICAL TO CONNECT POWER TO TRANSFORMER/RECTIFIED, AND LOW VOLTAGE WIRING TO VALVE/FAUCET. PROVIDE ALL NECESSARY APPURTENANCES - SEE PLUMBING DRAWINGS. TYPICAL FOR FAUCETS AND FLUSH VALVES.
 - FLOOD LIGHT FOR LIGHTING SAFE DISPERSAL AREA. SEE 3/E100, NUMBERED NOTE 10. INSTALL ABOVE WALL PACK. COORDINATE EXACT LOCATION WITH ARCHITECT BEFORE ROUGH IN.



INTERIOR LIGHTING CONTROL DIAGRAM



EXTERIOR LIGHTING CONTROL DIAGRAM

NEW PANEL "LT" SCHEDULE

POWER SOURCE: PANEL "QHD1A" LOCATION: ELEC. T106
SYSTEM: NORMAL BRANCH

TYPE	BUS: 125 AMPS	MAIN BKR: 50A	VOLTAGE: 208Y/120 VOLT, 3 PHASE, 4 WIRES	MOUNTING: SURFACE	PANEL TYPE: NEMA 1	REMARKS: 10k AIC MIN. SYMM.		
LOAD SERVED	kVA	CB	CKT	PHASE	CKT	CB	kVA	LOAD SERVED
LIGHTING INTERIOR	0.2	20/1	1	A	2	20/2	1.3	HAND DRYER
LIGHTING EXTERIOR	0.1	20/1	3	B	4		1.3	
FAPS-T [2]	0.3	20/1	5	C	6	20/1	0.3	POWER FOR FAUCETS
RECEPTACLES	0.5	20/1	7	A	8	20/1		SPARE
RECEPTACLES	0.5	20/1	9	B	10	20/1		SPARE
EXHAUST FANS	1.2	20/1	11	C	12	20/1		SPARE
SPARE		20/1	13	A	14		2	
SPARE		20/1	15	B	16	25/3	2	WATER HEATER
SPARE [1]		20/1	17	C	18		2	

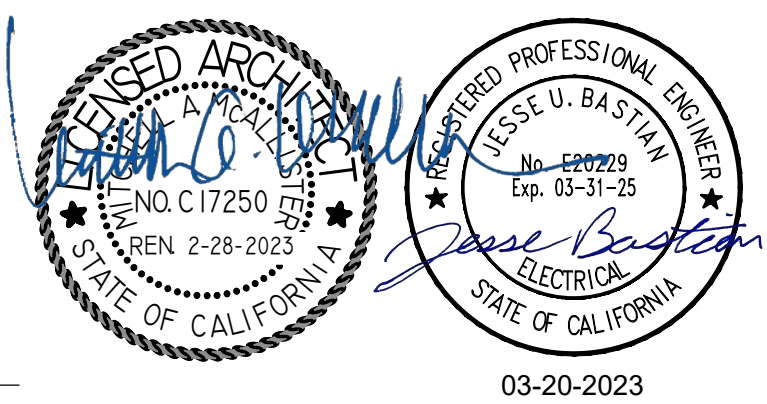
NOTES:
[1] GFCI BREAKER
[2] PROVIDE WITH RED HANDLE AND LOCKABLE DEVICE

CONNECTED LOAD
PHASE A= 4.0 kVA
PHASE B= 3.9 kVA
PHASE C= 3.8 kVA
TOTAL = 11.7 kVA
TOTAL = 32.6 Amperes

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SACRAMENTO COUNTY

KEY PLAN:

↑ SHEET TITLE:
FLOOR PLANS - ELECTRICAL

JOB NUMBER: SHEET NUMBER:
DATE: NOV 14, 2022
REVISION: 5/24/2022
E200

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KEY PLAN:

SHEET TITLE:
FIRE ALARM NOTES, DIAGRAMS, CALCULATIONS

JOB NUMBER: SHEET NUMBER:
 DATE: NOV 14, 2022
 REVISION: 5/24/2022 **E400**

FIRE ALARM GENERAL NOTES

- INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY DSA.
- UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DAS PROJECT INSPECTOR.
- A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
- ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.
- DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.
- ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEMS AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS WITHIN FIRE ALARM SECTION.
- WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80" MINIMUM AND THEIR TOPS 96" MAXIMUM FROM FINISHED FLOOR.
- WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THEN 6" TO A HORIZONTAL STRUCTURE.
- AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (dBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING. THE FIRE ALARM EVACUATION SIGNAL SHALL SOUND A THREE-PULSE TEMPORAL PATTERN PER NFPA 72 (CBC 907.5.2.1.3 AND NFPA 72 18.4.2.1).
- THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS. DSA PROJECT SUBMITTAL GUIDELINE-2 FIRE ALARM DETECTION SYSTEMS GL 2 (REV 08/10/18) PAGE 4 OF 7 DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA.
- VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 DANDELIA. VISIBLE DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
- UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATERTIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.
- ALL FIRE ALARM WIRING SHALL BE FPL OR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.
- PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC.
- SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1" FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGER/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.
- ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT IN WALLS IN A NEAT AND PROTECTED MANOR AS INDICATED ON DESIGN DOCUMENTS.
- FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
- A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL". CIRCUIT ID TO BE LABELED AT FIRE PANEL/EXTENDERS.
- THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD OF COMPLETION" PER NFPA 72, FIGURE 17.8.2.
- MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE WITH CBC SECTIONS 11B-305 AND 11B-308.
- THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.
- SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST. DSA PROJECT SUBMITTAL GUIDELINE-2 FIRE ALARM AND DETECTION SYSTEMS GL 2 (REV 08/10/18) PAGE 5 OF 7 DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA.
- OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.
- AUTOMATIC FIRE ALARM SYSTEMS SHALL BE MONITORED AND SHALL TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72, AS AMENDED BY CFC CHAPTER 80. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX (CENTRAL STATION) OR UJUS (REMOTE & PROPRIETARY) BY UL OR OTHER APPROVED LISTING AND TESTING LABORATORY OR SHALL COMPLY WITH THE REQUIREMENTS OF STANDARD, FACTORY MUTUAL (FM) 3011. TERMINATION OF MONITORING SERVICES SHALL BE IN ACCORDANCE WITH CBC/CFC SECTION 907.6.5.3

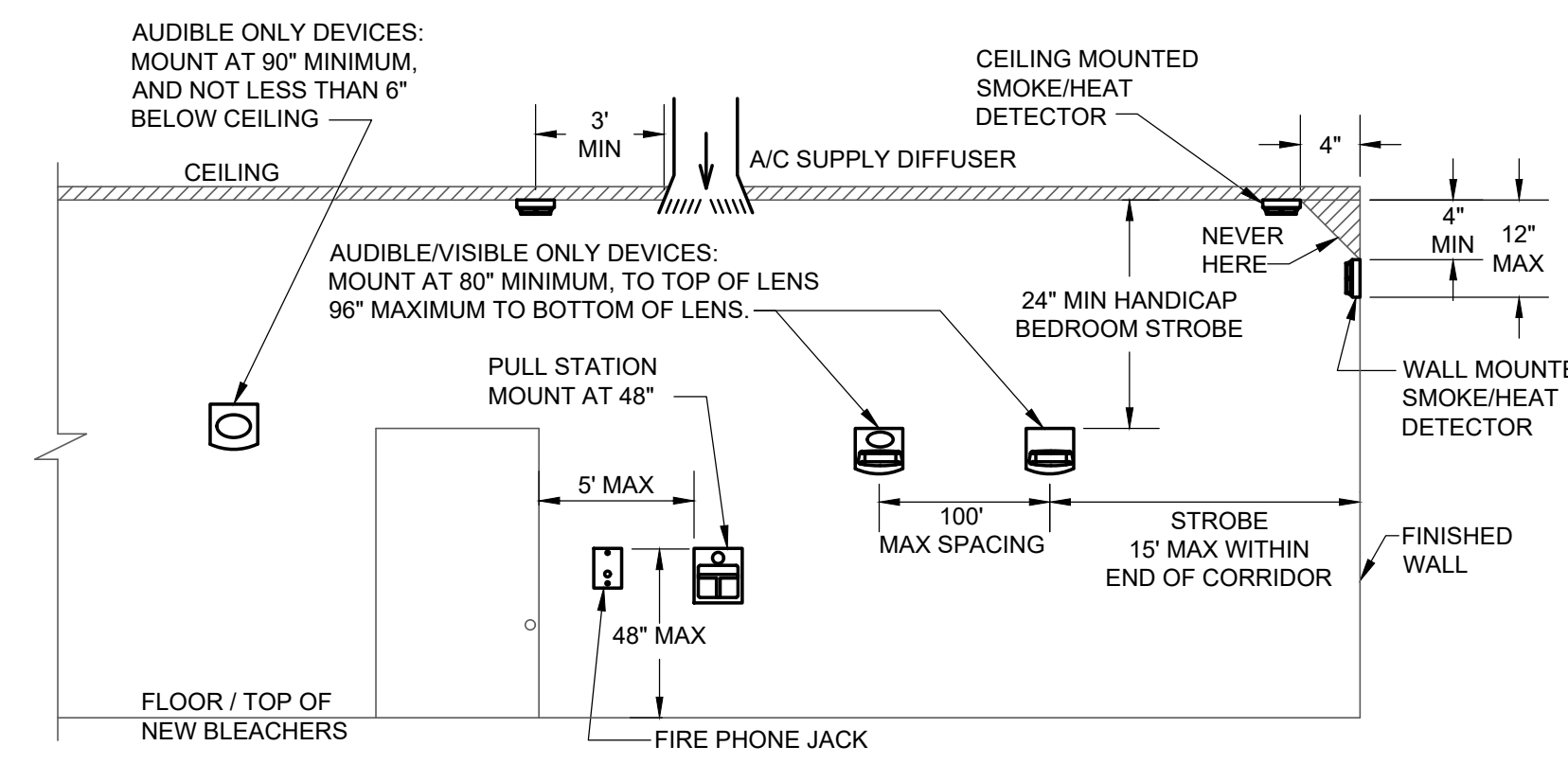
FIRE ALARM SEQUENCE OF OPERATION MATRIX

	FACP ALARM	FACP TROUBLE	ALARM SIGNAL OFF-SITE	TROUBLE SIGNAL OFF-SITE	ACTIVATE AUDIO/VISUAL THROUGHOUT	ALARM RECEIPT CAPABILITY DURING ABNORMAL CONDITIONS	ANNUNCIATE ALARM AT REMOTE ANNUNCIATOR
AREA SMOKE DETECTORS	X		X		X		X
HEAT DETECTORS	X		X		X		X
POWER FAILURE		X		X			X
NOTIFICATION CIRCUIT CLASS B							
OPEN WIRE		X		X			
GROUNDING WIRE		X		X		R	
SHORTED WIRES		X		X			
SIGNALING LINE CIRCUIT CLASS B							
OPEN WIRE		X		X			
GROUNDING WIRE		X		X		R	
WIRE TO WIRE (SHORT & OPEN)		X		X			
WIRE TO WIRE (SHORT & GROUND)		X		X			
OPEN & GROUND		X		X			
LOSS OF CARRIER		X		X			

NOTE: BLANK MEANS NOT APPLICABLE R = REQUIRED ACTION

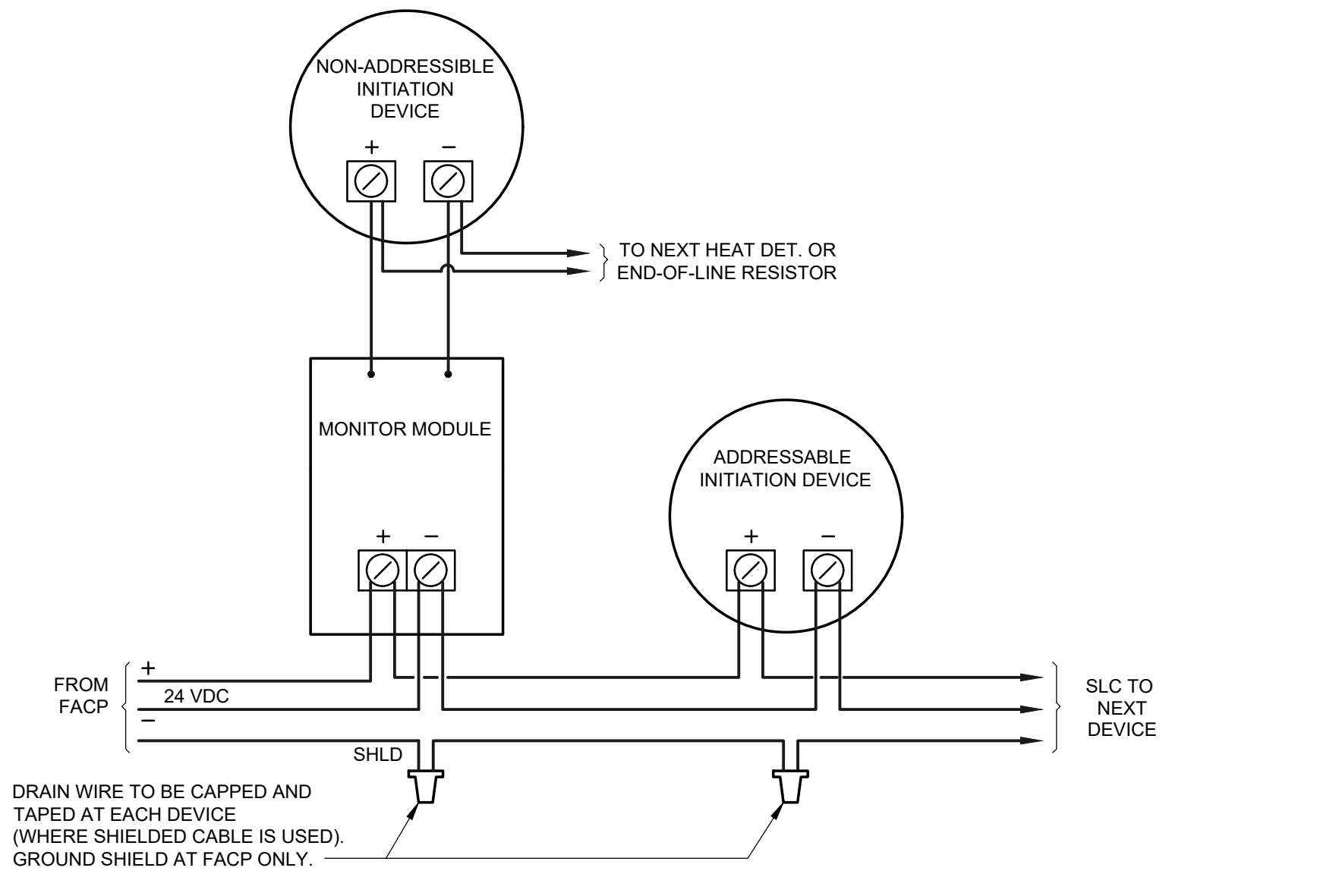
FIRE ALARM EQUIPMENT SCHEDULE

SYMBOL	CATALOG NO.	DESCRIPTION	CSFM LISTING No.
WP	WHEELOCK AH-24WP	EXTERIOR HORN	7125-0785-0131
HS	WHEELOCK HS	HORN/STROBE, WALL MOUNTED	7125-0785-0168
ST	WHEELOCK ST	STROBE, WALL MOUNTED	7125-0785-0168
SD	FIRE LITE SD355	SMOKE PHOTOELECTRIC DETECTOR	7272-0075-0194
H	FIRE LITE H365R	HEAT DETECTOR - FIXED TEMP 194"	7270-0075-0501
FACP	(E) FIRE LITE MS-9600	(E) FIRE ALARM CONTROL PANEL	
FAPS	FIRE LITE FL-PS6	(N) FIRE ALARM POWER SUPPLY	7315-0073-0510



TYPICAL INITIATION AND NOTIFICATION

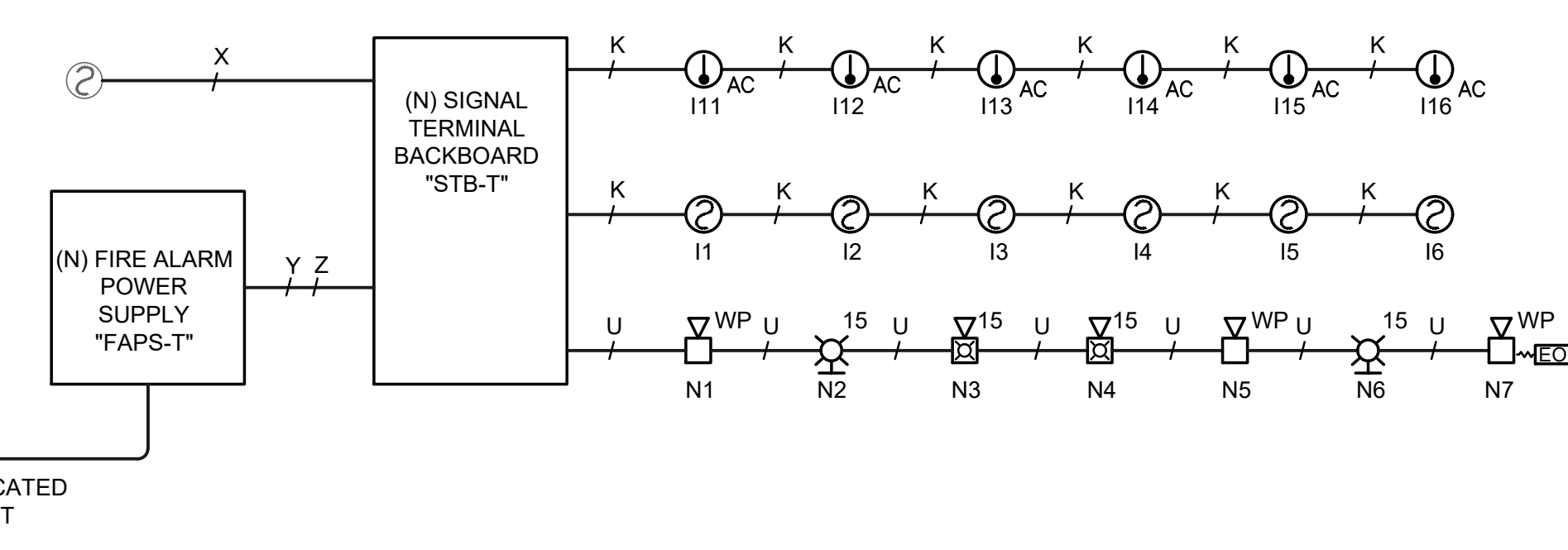
1 APPLIANCE ELEVATION DETAIL
 E400 NO SCALE



NOTE:
 DIAGRAM IS GENERIC THEREFORE CONTRACTOR SHALL COORDINATE WORK FOR SPECIFIC DEVICES USED. REFER TO MANUFACTURER INFORMATION FOR TYPE OF CABLE, MAX. LENGTH, T-TAPING, GROUNDING, ETC.

FIRE ALARM DEVICES DIAGRAM

2 E400 N.T.S.



3 FIRE ALARM RISER DIAGRAM
 E400 N.T.S.

FIRE ALARM CABLE SCHEDULE

K	DATA	2 CONDUCTORS, 18AWG, - WEST PENN D980
U	NOTIFICATION	#12 THWN
X	ADDRESSABLE INITIATION - SITE	#14AWG, - WEST PENN AQ266

BATTERY CALCULATION - FAPS-T

DESCRIPTION	QUANTITY	STANDBY CURRENT	SUBTOTAL	ALARM CURRENT	SUBTOTAL
CPU	1	0.154	0.154 A	0.192	0.192 A
EXTERIOR HORN	3	0.000	0.000A	0.08	0.240 A
STROBE 15cd	2	0.000	0.000A	0.057	0.114 A
HORN-STROBE 15cd	2	0.000	0.000A	0.082	0.164 A
	TOTAL		0.154 A		0.710 A
STANDBY	24 HOURS X		0.154 A		3.696 AH
ALARM	15 MIN X		0.710 A		0.178 AH
SPARE	20% OFF		3.874 AH		0.775 AH
	TOTAL				4.648 AH
	BATTERY				7 AH @ 24V

VOLTAGE DROP CALCULATION LAST DEVICE - WORST CASE SCENARIO

ACCEPTABLE LIMIT: NOT TO EXCEED 2.04V (10%*20.4V)

$OHMS = (\#14 FT * 3.07/1000 + \#12 FT * 1.93/1000 + \#10 FT * 1.21/1000) * 2$

DEVICE	TO DEVICE #	CKT LENGTH FT	WIRE SIZE #12	RESISTANCE OF WIRE (OHM)	LOAD TOTAL	ACCUM. VOLTAGE DROP
FAPS-T	N7	155	0.00193	0.598	0.518 A	0.310 V

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