

Autodesk Docs: R221551X00 Lodi Unified School District Lunch Shelters - JULIA MORGAN ELEMENTARY SCHOOL
11/21/2023 12:53:47 PM

THE LINE SHOWN ABOVE THE SHEET DRAWS PAGE SIZE

LODI UNIFIED SCHOOL DISTRICT LODI UNIFIED SCHOOL DISTRICT LUNCH SHELTERS - JULIA MORGAN ELEMENTARY SCHOOL

3777 A.G. SPANOS BOULEVARD, STOCKTON, CA 95209

GENERAL NOTES

- CONSTRUCTION DOCUMENTS DESCRIBE THE PRODUCTS, SYSTEMS, PERFORMANCE, CONFIGURATION, AND QUANTITIES. SPECIFICATIONS THAT DELIVER THE OVERALL DESIGN INTENT OF THE PROJECT.
- THE CONSTRUCTION DOCUMENT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY BOTH.
- PERFORMANCE BY THE CONSTRUCTION TEAM SHALL BE CONSISTENT WITH THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS AS NECESSARY TO DELIVER THE INDICATED RESULTS OF THE DESIGN INTENT.
- VERIFY ALL DIMENSIONS, LOCATIONS OF EXISTING UTILITIES, AND CONDITIONS ON THE JOB SITE PRIOR TO THE START OF WORK OR PORTIONS OF THE WORK. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE ACTUAL FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS. EXISTING CONDITIONS ARE INDICATED AS A RESULT OF FIELD OBSERVATIONS. INFORMATION SHOWN ON AVAILABLE DOCUMENTS AND FIELD CONDITIONS AT THE TIME OF PREPARATION.
- ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL GOVERNING CODES, ORDINANCES, REGULATIONS AND LAWS.
- THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS AND SCAFFOLDING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- WHERE ANY CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF LAWS, CODES, ORDINANCES, RULES AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.
- IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS OR DETAILS ON THE DRAWINGS.
- DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY NOTED OTHERWISE. ENACT ALL MEASURES TO PROTECT AND SAFEGUARD ALL EXISTING ELEMENTS TO REMAIN FROM BEING DAMAGED. REPLACE OR REPAIR EXISTING ELEMENTS DAMAGED BY THE EXECUTION OF THIS CONTRACT TO EQUAL OR BETTER CONDITION.
- PRIOR TO THE START OF WORK THE CONTRACTOR SHALL COORDINATE BETWEEN THE REQUIREMENTS OF ALL DISCIPLINES HEREIN AND BETWEEN THE REQUIREMENTS OF ALL DRAWINGS AND SPECIFICATIONS IN ORDER THAT ALL ITEMS SATISFACTORILY RELATE TO ONE ANOTHER. NOTIFY ARCHITECT IMMEDIATELY REGARDING ANY ITEMS THAT CANNOT BE COORDINATED.
- CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING, CONDUIT, ETC. AND TO PREVENT HAZARD TO PERSONNEL AND/OR TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
- PROVIDE SAFE MEANS OF EGRESS THROUGHOUT THE BUILDING AND ON SITE AT ALL TIMES.
- PROVIDE FIRE EXTINGUISHERS PER CFC AT ALL TIMES THROUGHOUT CONSTRUCTION AREA.
- PROVIDE CONSTRUCTION BARRIERS BETWEEN CONSTRUCTION AREAS AND OCCUPIED AREAS AT ALL TIMES.
- CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE EXISTING OR NEW STRUCTURAL ELEMENTS SHALL NOT TO BE STARTED UNTIL THE DETAILS HAVE BEEN REVIEWED AND APPROVED BY THE ARCHITECT, AND STRUCTURAL ENGINEER OF RECORD.
- AVOID DISRUPTION TO ADJACENT AREAS. KEEP NOISE TO A LEVEL ACCEPTABLE TO THE OWNER BY SCHEDULING EXCESSIVE NOISE TASKS WITH OWNER REPRESENTATIVE. THIS MAY REQUIRE AFTER HOURS WORK.

- STATEMENT OF HAZARDOUS MATERIAL DISCOVERY**
IF THE CONTRACTOR ENCOUNTERS A HAZARDOUS MATERIAL OR SUBSTANCE NOT ADDRESSED IN THE HAZARDOUS MATERIAL REPORT OR IN A CONCEALED CONDITION, THE CONTRACTOR SHALL, UPON RECOGNIZING THE CONDITION, IMMEDIATELY STOP WORK IN THE AFFECTED AREA AND REPORT THE CONDITION TO THE OWNER AND ARCHITECT IN WRITING.
UPON RECEIPT OF THE CONTRACTOR'S WRITTEN NOTICE, THE OWNER SHALL OBTAIN THE SERVICES OF A LICENSED LABORATORY TO VERIFY THE PRESENCE OR ABSENCE OF THE MATERIAL OR SUBSTANCE. REPORTED BY THE CONTRACTOR AND, IN THE EVENT SUCH MATERIAL OR SUBSTANCE IS FOUND TO BE PRESENT, TO PROVIDE RECOMMENDATIONS TO CAUSE IT TO BE ABATED AND RENDERED HARMLESS.
WHEN THE MATERIAL OR SUBSTANCE HAS BEEN ABATED AND RENDERED HARMLESS, WORK IN THE AFFECTED AREA SHALL RESUME UPON WRITTEN AGREEMENT OF THE OWNER AND CONTRACTOR.
- PENETRATIONS TO FIRE RATED MATERIALS OR ASSEMBLIES SHALL BE RESTORED TO EQUAL RATING. SPECIAL INSPECTOR DSA 103 REQ'D.
- COMPLY WITH TITLE 24, PART 9, CALIFORNIA FIRE CODE, CHAPTER 33 FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION, DURING ALL PHASES OF PROJECT.
- ALL WORK SHALL CONFORM TO 2019 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
- CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGED DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
- A "DSA CERTIFIED" CLASS 2 PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
- A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
- THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(c), PART 1, TITLE 24, CCR).
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
- SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE CONSIDERED AS A CONSTRUCTION CHANGE DOCUMENT, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION PER DSA IR A-6 AND SECTION 338(c) PART 1, TITLE 24, CCR.

CODES

PARTIAL LIST OF APPLICABLE CODES

- | | |
|------|---|
| 2022 | CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R. |
| 2022 | CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. |
| 2022 | (2021) INTERNATIONAL BUILDING CODE (VOLUMES 1 & 2 AND 2022 CALIFORNIA AMENDMENTS) |
| 2022 | CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. |
| 2022 | (2020) NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS |
| 2022 | CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R. |
| 2022 | (2021) UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS |
| 2022 | CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. |
| 2022 | (2021) UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS |
| 2022 | CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R. |
| 2022 | CALIFORNIA HISTORICAL BUILDING CODE (CHBC), PART 8, TITLE 24 C.C.R. |
| 2022 | CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. |
| 2022 | INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS |
| 2022 | CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 C.C.R. |
| 2022 | (2021) INTERNATIONAL EXISTING CODE AND 2022 CALIFORNIA AMENDMENTS |
| 2022 | CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R. |
| 2022 | CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R. |
| 2022 | 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS. |
| 2019 | ASME A17.18-84-19 SAFETY CODE FOR ELEVATORS AND ESCALATORS |
| 2020 | ASME 18.1 - SAFETY STANDARD FOR PLATFORM LIFTS AND STAIRWAY CHAIR LIFTS |

NOTE TO CONTRACTOR.
THE CALIFORNIA ENERGY CODE SECTION 10-102 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH ENERGY CODE.

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

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

A LISTING OF CERTIFIED ATT'S 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 UNIT, THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.

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

PARTIAL LIST OF APPLICABLE STANDARDS

- | | | |
|-----------|--|------------------|
| NFPA 13 | STANDARD FOR AUTOMATIC FIRE SPRINKLER SYSTEMS (CA AMENDED) | 2022 ED. |
| NFPA 14 | STANDARD FOR STANDPIPE AND HOSE SYSTEMS (CA AMENDED) | 2019 ED. |
| NFPA 17 | STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS | 2021 ED. |
| NFPA 17A | STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS | 2021 ED. |
| NFPA 20 | STANDARD FOR STATIONARY PUMPS FOR FIRE PROTECTION | 2019 ED. |
| NFPA 22 | STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION | 2013 ED. |
| NFPA 24 | STANDARD FOR THE INSTALLATION OF PRIVATE FIRE MAINS AND THEIR APPURTENANCES (CA AMENDED) | 2019 ED. |
| NFPA 72 | NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED) | 2022 ED. |
| NFPA 80 | STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES | 2019 ED. |
| NFPA 2001 | STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED) | 2018 ED. |
| UL 300 | STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS (R2014) | |
| UL 464 | UL 464 | |
| UL 521 | STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS | 1999 ED. (R2005) |
| UL 1971 | STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED | 2002 ED. (R2018) |
| ICC 300 | STANDARD FOR BLEACHERS, FOLDING AND TELESOPING SEATING AND GRANDSTANDS | 2017 ED. |

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2022 CBC (SPM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 60.
SEE CALIFORNIA BUILDING CODE, CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

ABBREVIATIONS

(E) EXISTING	FRP FIBERGLASS REINFORCED PLASTIC	PTC POST TENSIONED CONCRETE
AB ANCHOR BOLT	FRT FIRE RETARDANT TREATED	PTD PAPER TOWEL DISPENSER
AC PAVING ASPHALTIC CONCRETE PAVING	FS FINISH SURFACE	PTN PARTITION
	FTG FOOTING	PTS PNEUMATIC TUBE STATION / SYSTEM
ACC ACCESS/ACCESSIBLE	GB GRAB BAR	PVC POLYVINYL CHLORIDE
ACP ACoustical CEILING PANEL	GFRFC GLASS FIBER REINFORCED CONCRETE	PVMT PAVEMENT
ACT ADJUSTABLE	GL GLASS TYPE	QT QUARRY TILE
ADJ ADJACENT/ADJUSTABLE	GLB GLUE LAMINATED BEAM	R RADIUS, RISER
AGG AGGREGATE	GYP BD GYPSUM BOARD	RB RESILIENT BASE
AHU AIR HANDLING UNIT	GYP PLAS GYPSUM PLASTIC	R ROOF DRAIN
ARCH ARCHITECTURAL	HOB HOSE BIB	RECEPT RECEPTACLE
ATT ATTENUATION	HD HEAVY DUTY	REF REFERENCE
AUTO AUTOMATIC	HDR HEADER	REFL REFLECTED, (IVE) REFLECTED, (IVE)
BD BOARD	HDWR HARDWARE	REFR REFRIGERATOR
BLOC BLOCKING	HGT HEIGHT	REINF REINFORCE/REINFORCED/ REINFORCEMENT
BUR BUILT UP ROOFING	HM HOLLOW METAL	REMOVE REMOVE
CABT CUBIC FEET	HP HOLLOW STEEL SECTION	REM ROUND HEAD
CFCI CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	ID INSIDE DIAMETER	RHS ROUGH OPENING
	INV INVERT	RO ROUGH OPENING
CFOI CONTRACTOR FURNISHED, OWNER INSTALLED	LANDS LANDSCAPE	ROW RIGHT OF WAY
CG CORNER GUARD	LAV LAVATORY	SCHED SCHEDULE (FOR PIPE)
CJ CONTROL JOINT	LLH LONG LEG HORIZONTAL	SCHED SCHEDULE / SCHEDULING
CL CENTER LINE	LLV LONG LEG VERTICAL	SD STORM DRAIN / SOAP DISPENSER
CLF CHAIN LINK FENCE	LP LOW POINT	SECT SECTION
CLR CLEAR	LT WT LIGHT WEIGHT	SG SAFETY GLASS
CMU CONCRETE MASONRY UNIT	LVR LOUVER	SHT SHEET
CO CLEANOUT	MACH MACHINE	SHTG SHEATHING
COL COLUMN	MB MACHINE BOLT	SMS SHEET METAL SCREW
COMP COMPRESSION / COMPOSITE	MDF MEDIUM DENSITY FIBERBOARD	SND SANITARY NAPKIN DISPOSAL
CF CUBIC FEET	MDO MEDIUM DENSITY OVERLAY	SOV SHUT OFF VALVE
COORD COORDINATE	MECH MECHANICAL	SPEC SPECIFICATIONS
CORR CORRUGATED	MED MEDIUM	SS STAINLESS STEEL
CT CERAMIC TILE	MEMB MEMBRANE	STC SOUND TRANSMISSION CLASS
CTSK COUNTER SKUNK	MFR MANUFACTURER	STL STEEL
CW CURTAINWALL	MH MANHOLE	STSMS SELF TAPPING SHEET METAL SCREW
DEPR DEPRESSION / DEPRESSION	MO MOUNTED	SUSP SUSPENDED
DF DRINKING FOUNTAIN	MTD MOUNTED	SV SHEET VINYL
DM DIMENSION	MTL METAL	SYM SYMMETRICAL
DISP DISPENSER	NOT IN CONTRACT	T TREAD
DS DOWNSPOUT	NR NON RATED	T&B TOP AND BOTTOM
DTL DETAIL	NRC NOISE REDUCTION COEFFICIENT	TO TOP OF
O/ OVER	NOT TO SCALE	TOC TOP OF CURB / CONCRETE
E/W EACH WAY	O/A OVERALL	TOP TOP OF PARAPET
EIPS EXTERIOR INSULATION FINISH	OC ON CENTER	TOSL TOP OF SLOPE
EQ EQUAL	OD OUTSIDE DIAMETER	TOW TOP OF WALL
ESC EXCUTOEON	OFCI OWNER FURNISHED, CONTRACTOR INSTALLED	TPO TOILET PAPER DISPENSER
EWC ELECTRIC WATER COOLER	OFOI OWNER FURNISHED, OWNER INSTALLED	TS TACKABLE SURFACE
EXP EXPOSED	OFVI OWNER FURNISHED, VENDOR INSTALLED	UNO UNDER CABINET (OR COUNTER UNLESS NOTED OTHERWISE)
FA FIRE ALARM	OH OPPOSITE HAND	URINAL URINAL
FD FLOOR DRAIN	OPR OPERABLE	VAC VACUUM
FEC FIRE EXTINGUISHER	OPNG OPENING	VB VAPOR BARRIER
FF FINISH FLOOR	ORD OVERFLOW ROOF DRAIN	VCT VERIFY IN FIELD
FG FINISH GRADE	PA PUBLIC ADDRESS	VTR VENT THROUGH ROOF
FH FIRE HYDRANT	PAF POWDER ACTUATED FASTENER	VWC VINYL WALL COVERING
FHC FIRE HOSE CABINET	PCC PORTLAND CEMENT CONCRETE	W/ WITHOUT
PH FLAT HEAD PROTECTION	PED PEDESTRIAN	WO WOOD BASE
FIN FINISH	PERF PERFORATED	WC WATER CLOSET
FLR FLOOR	PERM PERIMETER	WD WOOD
FOC FACE OF CONCRETE	PERP PERPENDICULAR	WGT WEIGHT
FOF FACE OF FINISH	PH PANIC HARDWARE	WH WATER HEATER
FOM FACE OF MASONRY	PV PLATE	WIP WATERPROOFING WALL PROTECTION
FOS FACE OF STUD	PL PLASTIC LAMINATE	WR WATER RESISTANT
FR FIRE RATED	PLM PLASTER	WRGB WATER RESISTANT GYPSUM BOARD
FRG FIRE RATED GLASS	PNL PANEL	WS WOOD SCREW
	PNT PAINT / PAINTED	WISOT WAINSCOT
	PCC POINT OF CONNECTION	WWF WELDED WIRE FABRIC
	PREFIN PREFINISHED	
	PREP / PREPARATION	

PROJECT DESCRIPTION

SCOPE OF WORK

26' X 56' PC LUNCH SHELTER PER PC 02-121213
(X) THIS DRAWING INCLUDES ACCESSIBILITY UPGRADES AND TOILET ROOM UPGRADES FOR M.P. BUILDING A CLASSROOM BUILDING F

PROJECT DATA

PROJECT ADDRESS:
2375 GIANNONI WAY,
LODI, CA 95242

OWNER:
LODI UNIFIED SCHOOL DISTRICT
PHONE #: 209-331-7225

SHEET INDEX

NUMBER NAME

GENERAL SHEET

G0.10 COVER SHEET

1

CIVIL

C1.1 TITLE SHEET AND DETAIL SHEET

C1.2 DEMOLITION PLAN

C1.3 GRADING, DRAINAGE, AND PAVING PLAN

3

ARCHITECTURE

A1.21 CODE INFORMATION SITE PLAN

A1.22 LOCAL FIRE AUTHORITY SITE ACCESS PLAN

A1.23 ENLARGED SITE PLAN AND SECTION - LUNCH SHELTER

A2.11 ENLARGED TOILET ROOM PLANS

A8.11 INTERIOR ELEVATIONS

A10.1 SITE DETAILS

A10.2 TYPICAL MOUNTING HEIGHTS AND DETAILS

7

PC DRAWINGS

RAM.0 ORDER FORM

RAM.1 NOTES AND SPECIAL INSPECTIONS

RAM.2 FOUNDATION PLAN DRILLED PIER

RAM.3 FRAMING PLAN

RAM.4 FRAME CONNECTION DETAILS

RAM.5 SECTION DETAILS

RAM.6 ARCHITECTURAL VIEWS

RAM.7 ROOF CONNECTION DETAILS

RAM.8 MISC DESIGN OPTIONS

RAM.9 ELECTRICAL CUTOUTS

Grand total: 21

STATEMENT OF GENERAL CONFORMANCE

(X) THE DRAWINGS OR SHEETS LISTED ON THE INDEX SHEET

THIS DRAWING PAGE OF SPECIFICATIONS/CALCULATIONS

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

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

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

I CERTIFY THAT:

THE PC APPROVED MANUFACTURER DRAWINGS LISTED ON THE INDEX SHEET ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN INTENT, AND THEY HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS.

SIGNATURE
ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE

DATE 11-21-2023

Michael Rath

PRINT NAME

C-251363

LICENSE NUMBER

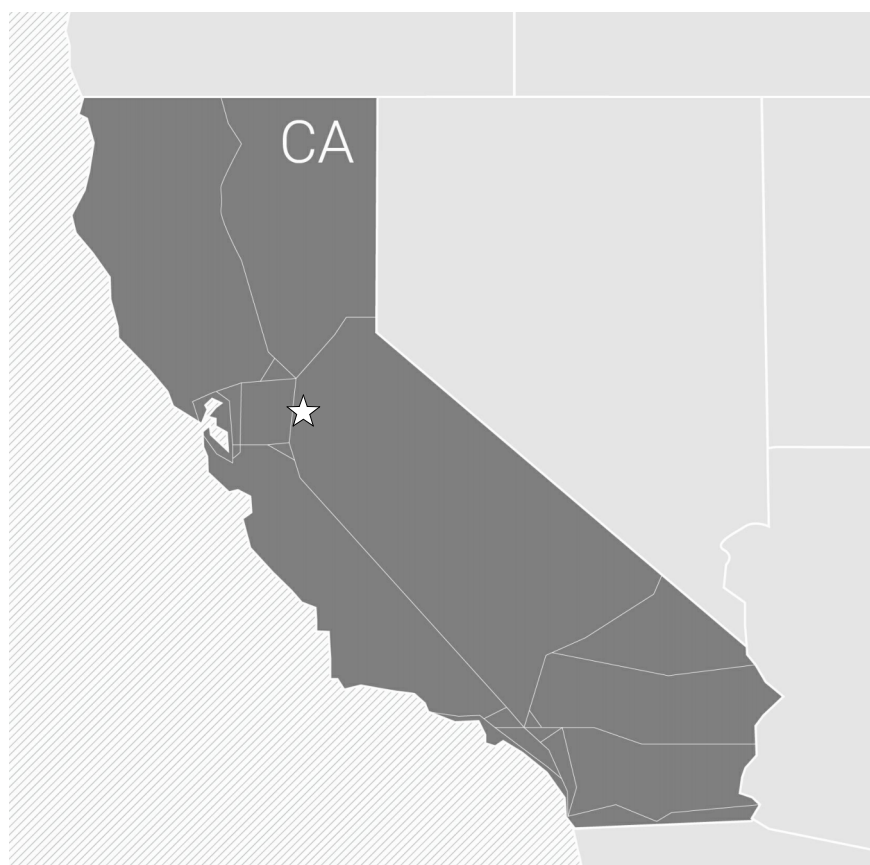
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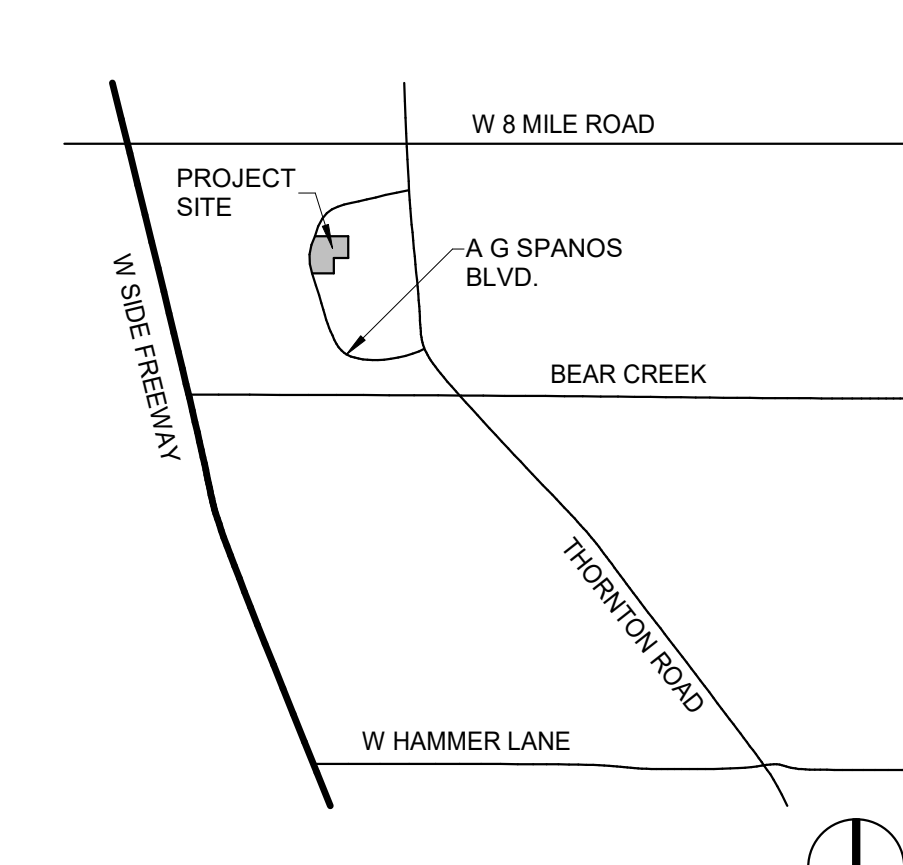
DEFERRED ITEMS

N/A

STATE MAP

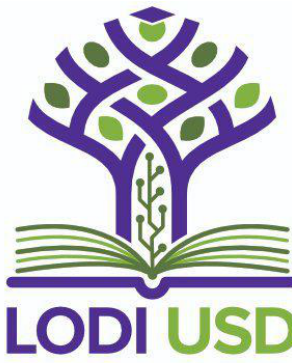


VICINITY MAP



AGENCY
APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121998 INC.
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 10/08/2024



HMC Architects

R221551X00



PROJECT TEAM

CIVIL ENGINEER

WARREN GREEN ENGINEERING

3114 BRENNANS RD. LOOMIS, CA 95650
916-663-2323

CONSTRUCTION DOCUMENTS

DATE: 11/21/2023

CLIENT PROJ NO:

SHEET NAME:

COVER SHEET

SHEET:

G0.10

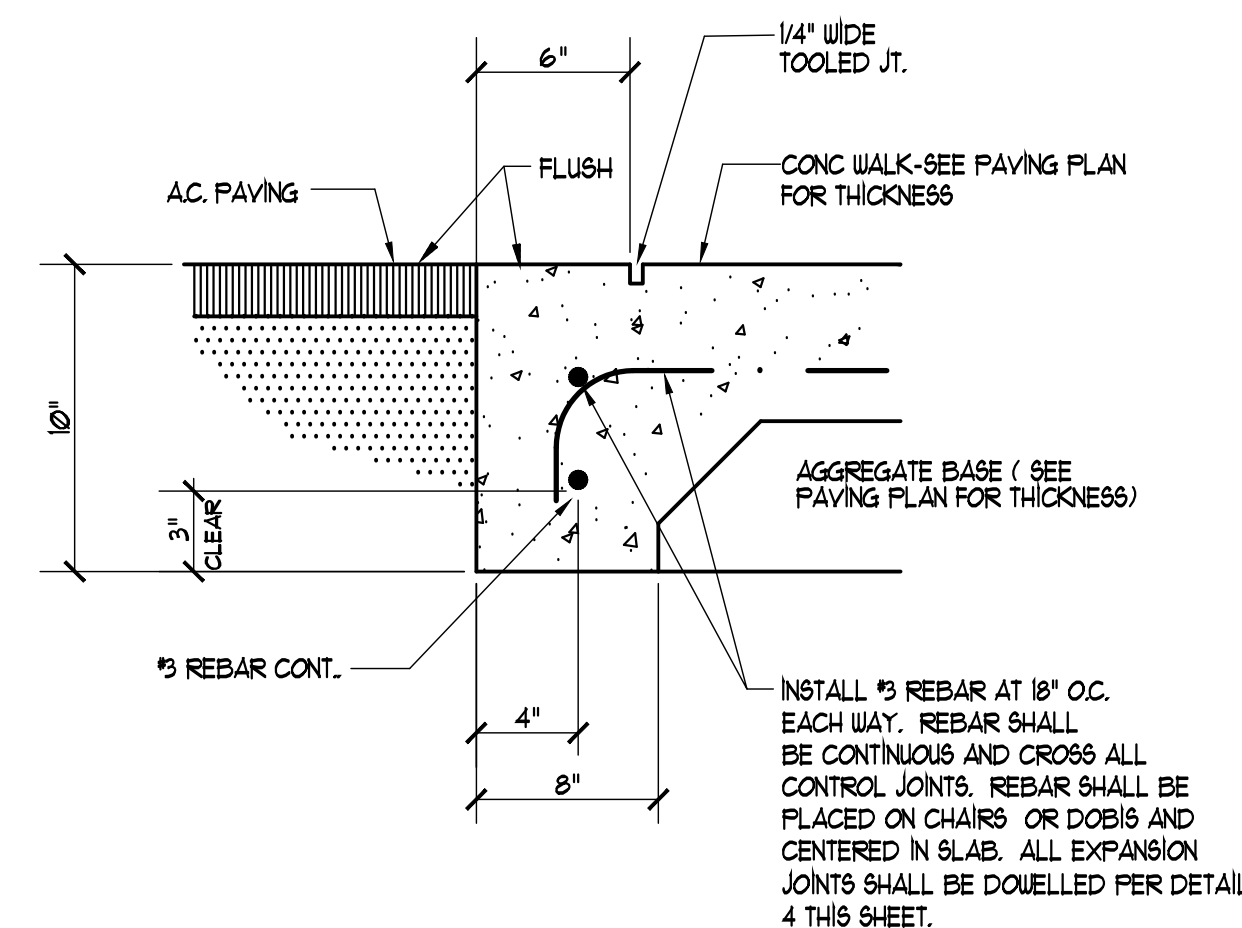
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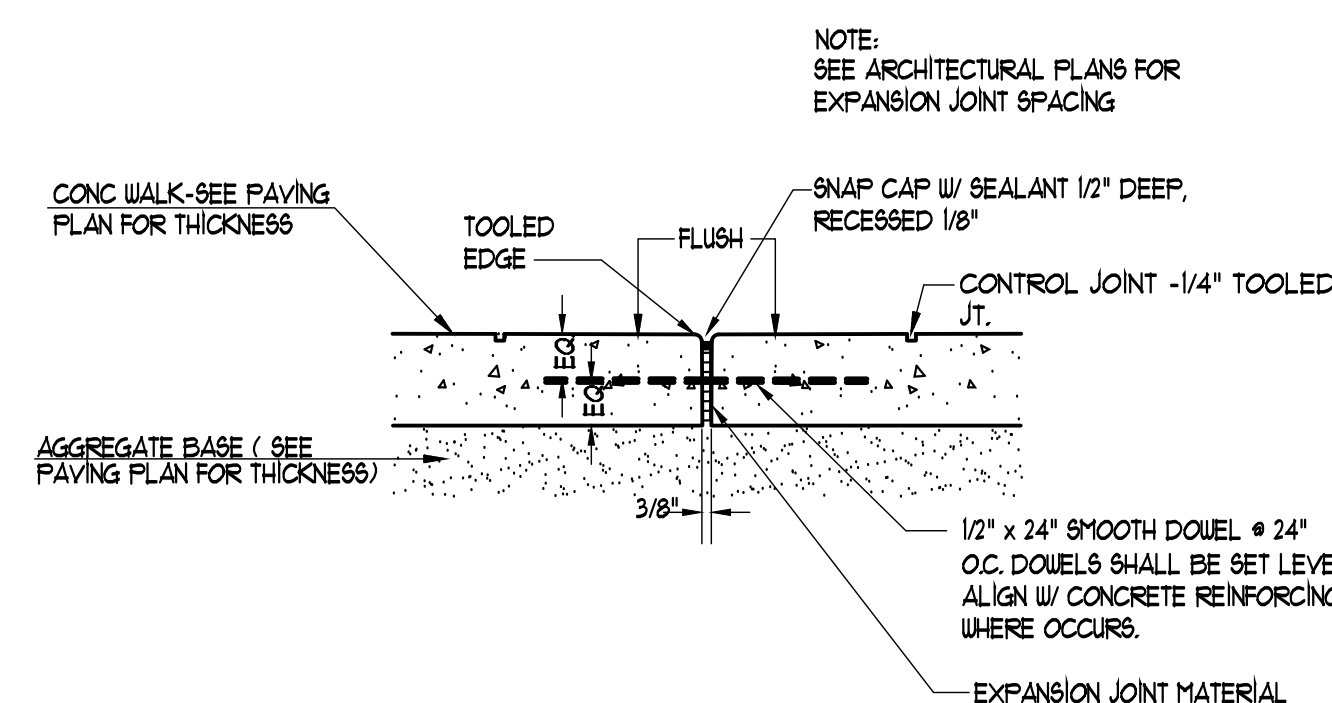
HMC Architects

R2211551

Δ	DESCRIPTION	DATE
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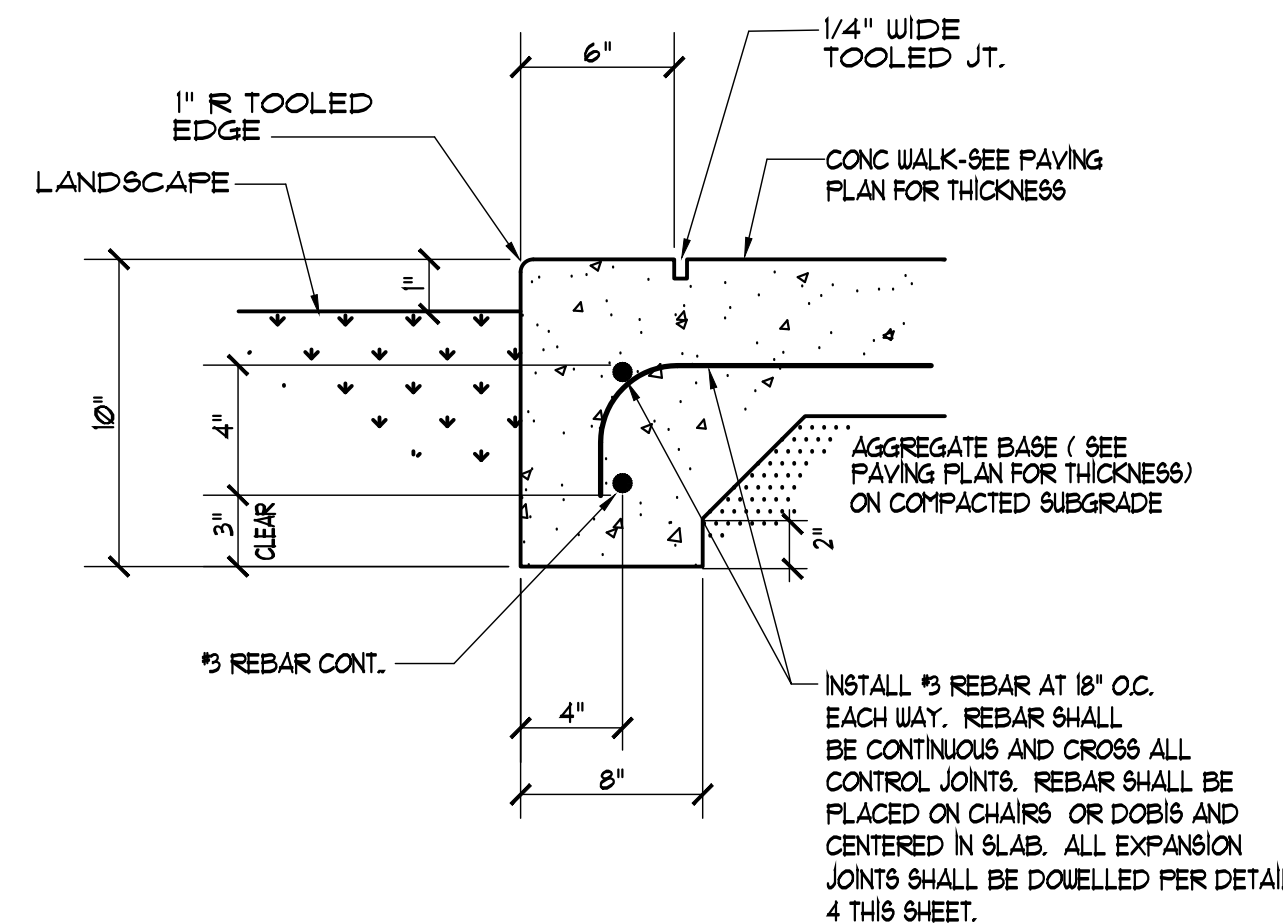


1	FLUSH CONC. WALK • AC
C1.1	N.T.S.

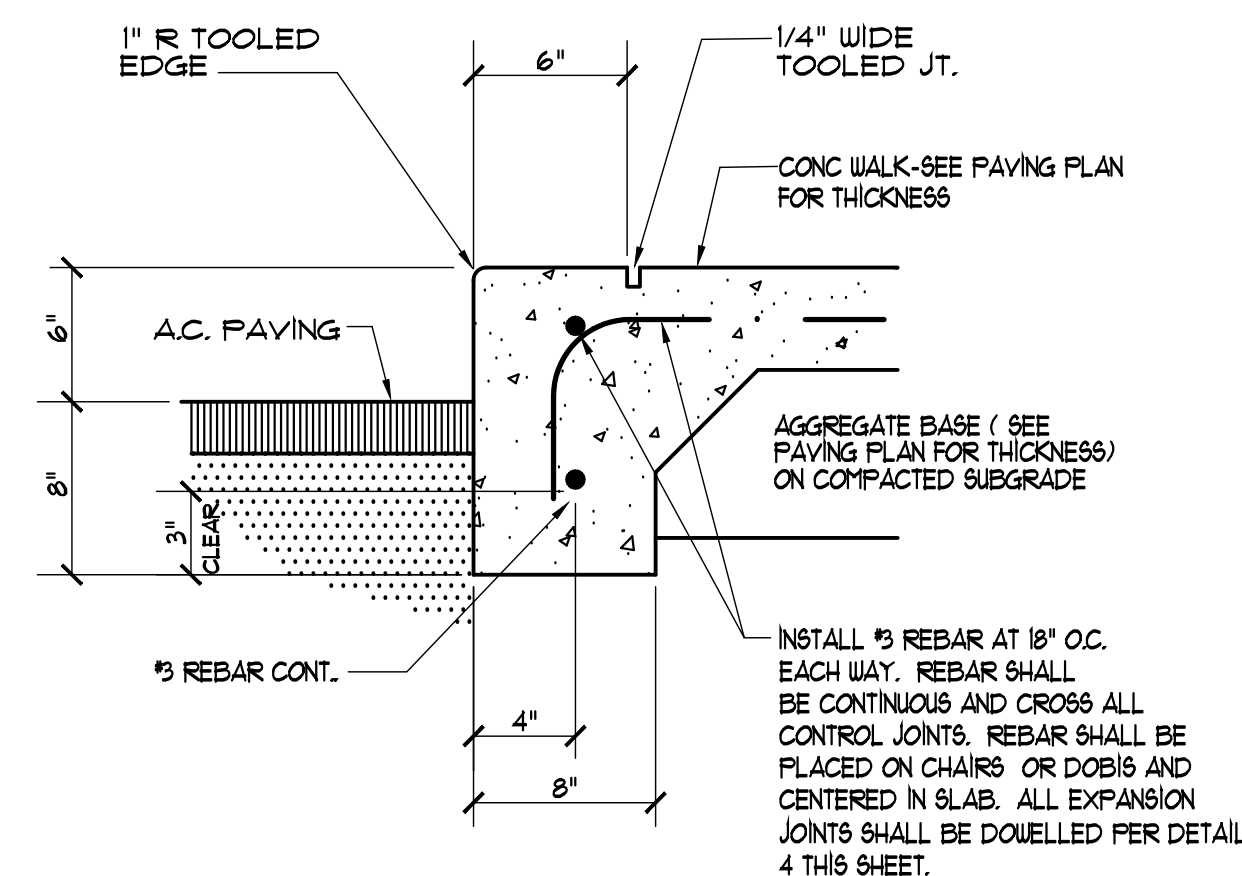


4	EXPANSION JOINT	
Cl.1		N.T.S.

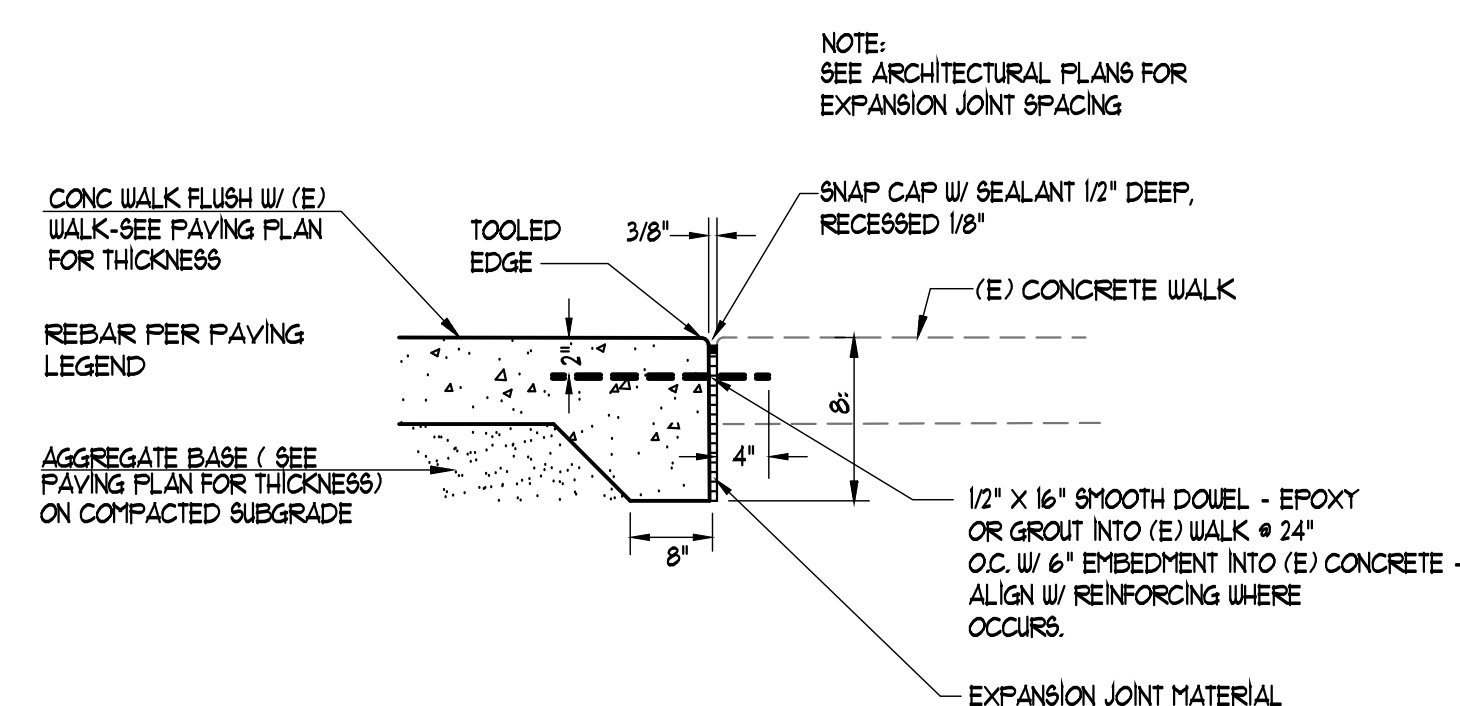
NOTE:
TRANSITION FROM NEW CONCRETE WALKWAYS TO EXISTING
LANDSCAPE GRADE TO BE AT A MAXIMUM OF 5 : 1 SLOPE
UNLESS OTHERWISE NOTED ON PLANS.



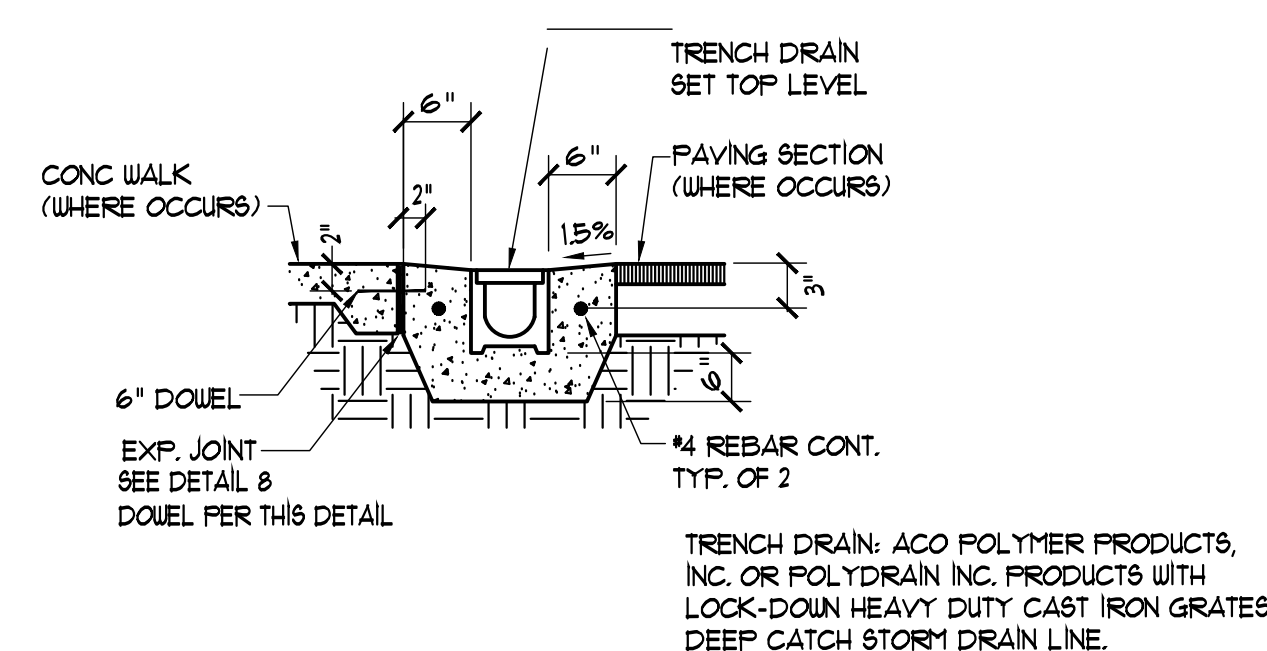
2 FLUSH CONC. WALK • LANDSCAPE
C1.1 N.T.S.



5 THICKENED EDGE CONC. WALK
C1.1 N.T.S.

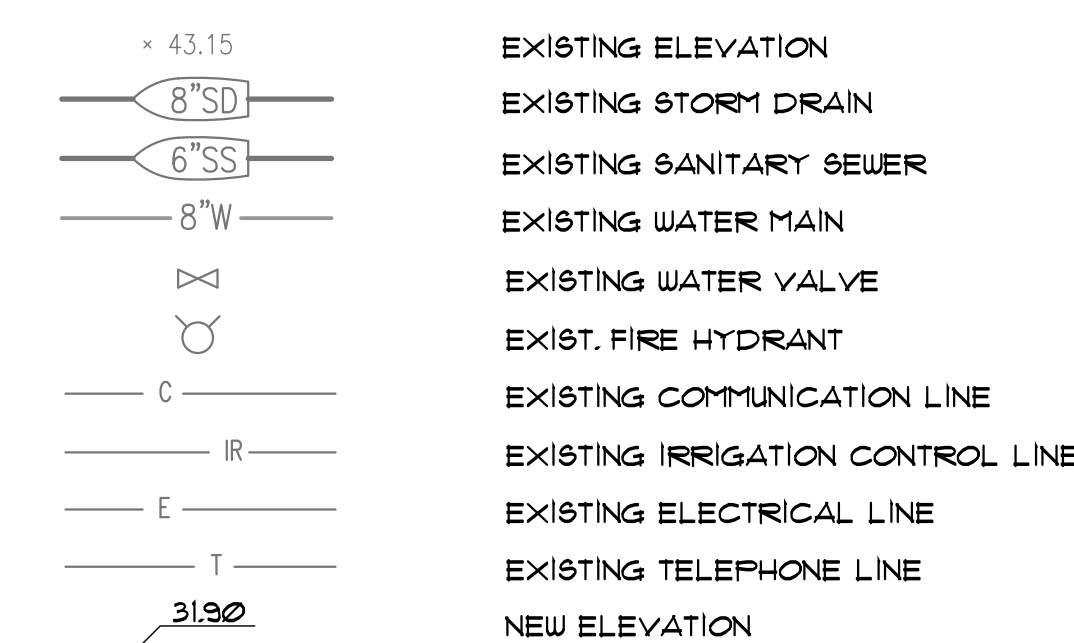


3	CONC. WALK AT EXISTING CONDITIONS
C1.1	N.T.S.



6	TRENCH DRAIN	
C3.1		N.T.S.

LEGEND



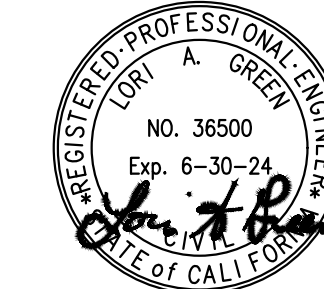
ABBREVIATIONS

AC	ASPHALT CONCRETE	LD	LANDSCAPE DRAIN
AB	AGGREGATE BASE	LF	LINEAR FEET
ADD. ALT.	ADDITIVE ALTERNATE	MH	MANHOLE
BLDG	BUILDING	MM	MINIMUM
BO	BLOW OFF	MS	MOU STRIP
BOW	BOW OF WALK	NV	NEW
BW	BOTTOM OF WALL	N/C	NOT IN CONTRACT
CC	CONCRETE (TOP OF CONCRETE WALK)	OG	ORIGINAL GRADE
CL	CENTER LINE	P	PROPOSED
CONC	CONCRETE	P	PLASTER DRAIN
CONST.	CONSTRUCT	PIV	POV INDICATOR VALVE
COTG	CLEANOUT TO GRADE	POC	POINT OF CONNECTION
D	DRAIN INLET	PP	POWER POLE
DIP	DUCTILE IRON PIPE	RUE	PUBLIC UTILITY EASEMENT
DS	DOWNSPUT	RCF	REINFORCED CONCRETE PIPE
DR	DRIVEWAY	RD	ROAD DRAIN
(E)	EXISTING	REDU	REDWOOD
E. BOX	ELECTRICAL BOX	RET	RETAINING
E. COND.	ELECTRICAL CONDUIT	RW	REDUCED PRESSURE
ELEC	ELECTRIC	RY	RIGHT OF WAY
EP	EDGE OF PAVEMENT	RUL	RAIN WATER LEADER
EXIST.	EXISTING	S	SLOPE
FDC	FIRE DEPARTMENT CONNECTION	SD	STORE DRAIN
FF	FINISH FLOOR	SE	SANITARY SEWER
FG	FINISH GRADE	ST. LT.	STREET LIGHT
FH	FIRE HYDRANT	TEMP	TEMPORARY BENCH MARK
FL	FLOW LINE	T	TRANSFORMER
FM	FIRE MAIN	TEL	TELEPHONE
FS	FIRE SERVICE	TC	TOP OF CURB
G	GAS	TP	TOP OF WALL
GB	GRADE BREAK	TYP	TYPICAL
GR	GRATE	VCU	VITRIFIED CLAY PIPE
GV	GATE VALVE	W	WATER
HDR	HEADER	WW	WATER VALVE
HP	HIGH POINT	YD	YARD BOX
INV	INVERT ELEVATION	VB	VALVE DRAIN
INT. PO	INTERIOR POINT		

INDEX OF CIVIL DRAWINGS

- C1J TITLE SHEET AND DETAIL SHEET
C2J DEMOLITION PLAN
C3J GRADING, DRAINAGE AND PAVING PLAN

CONSULTANT:



FACILITY:

JULIA MORGAN ELEMENTARY SCHOOL
377 AG SPANOS BLVD. STOCKTON, CA 95209

PROJECT:

**LODI UNIFIED SCHOOL DISTRICT LUNCH SHELTERS-
JULIA MORGAN ELEMENTARY SCHOOL**

SHEET NAME:

TITLE SHEET AND DETAILS

CONSTRUCTION DOCUMENTS

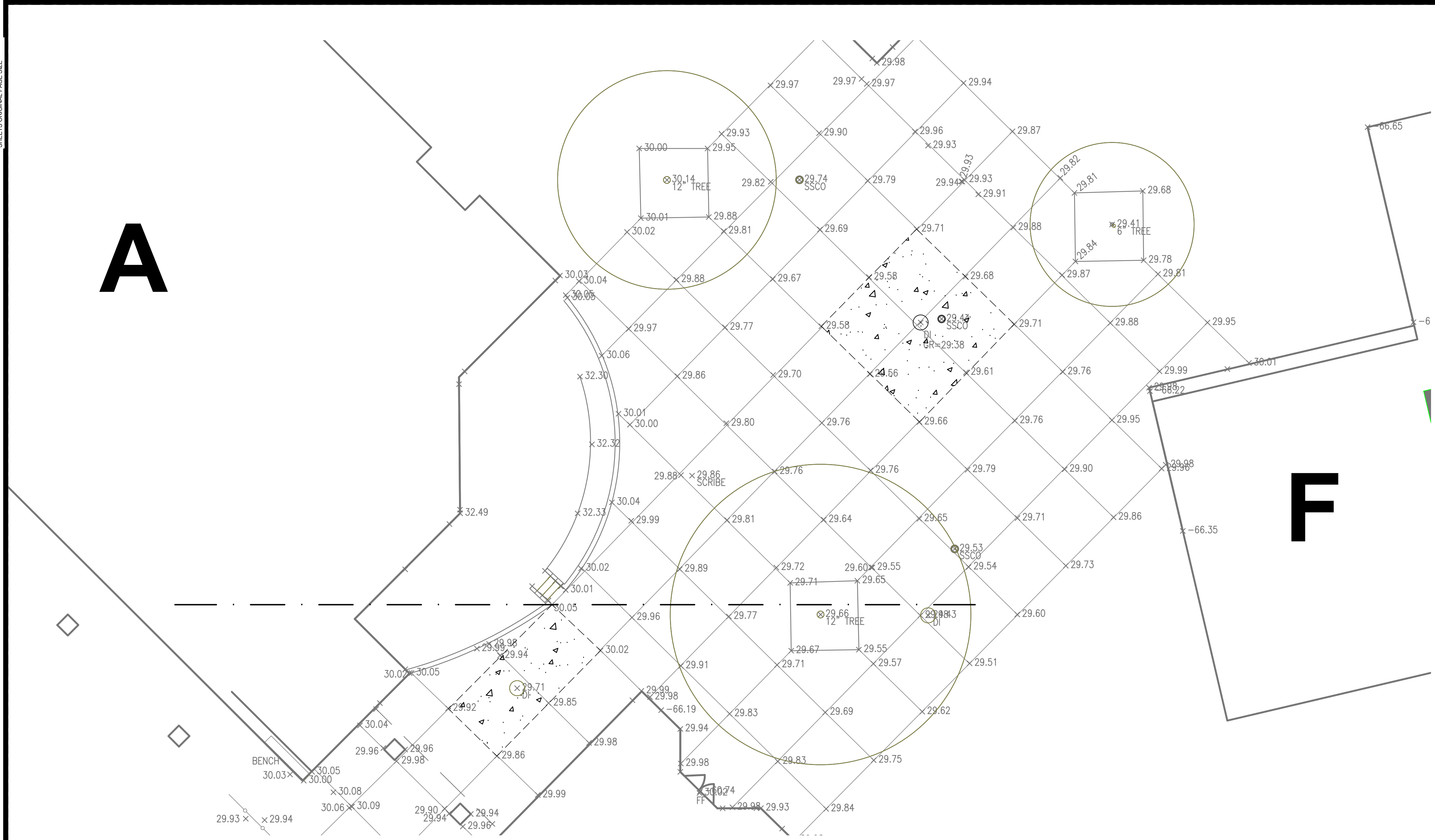
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DATE: NOV, 17, 2023

CLIENT PROJ NO

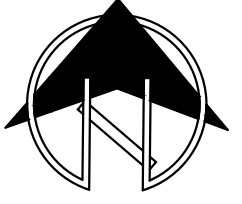
SHEET:

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EXACTLY TO SCALE
SHEET ORIGINAL PAGE SIZE



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C2.1

DEMOLITION PLAN



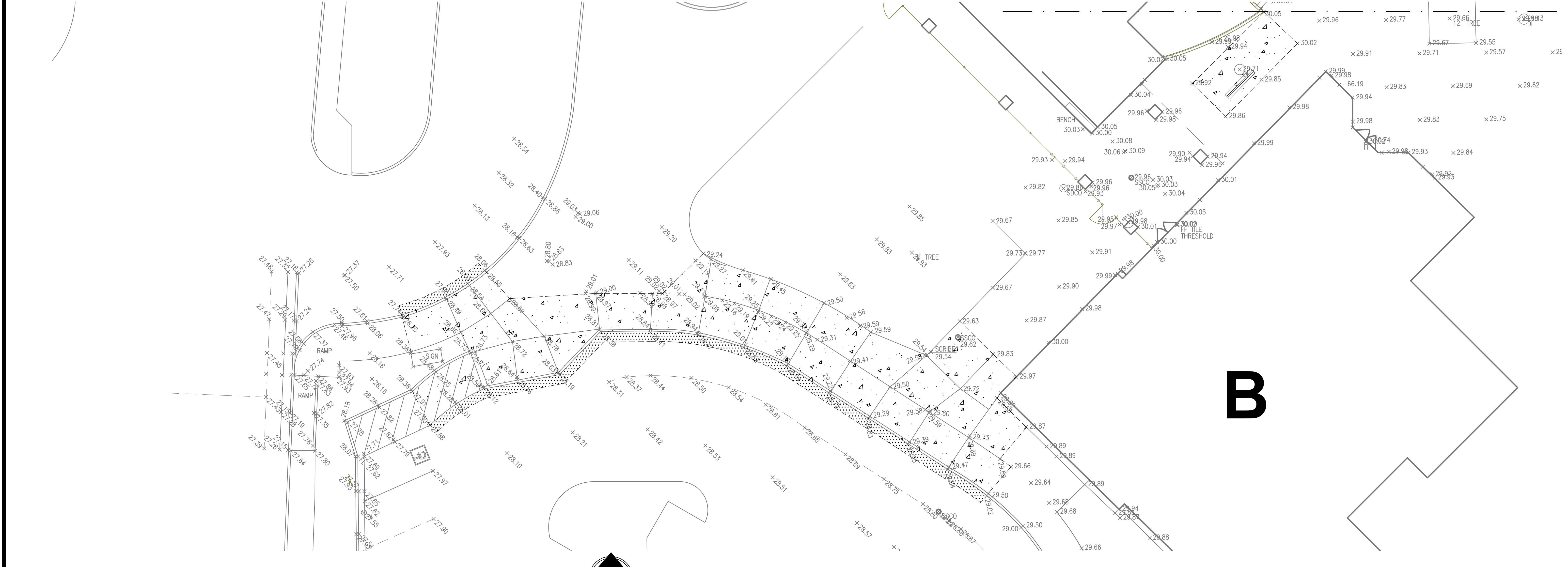
SCALE: 1"=10'

DEMOLITION LEGEND

- REMOVE (E) AC PAVING
- REMOVE (E) CONCRETE
- SAWCUT LINE
- REMOVE (E) CURB

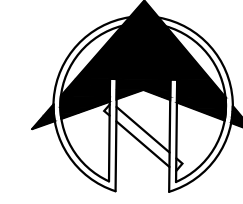
DEMOLITION NOTES:

- CONTRACTOR SHALL REMOVE / DEMOLISH ALL (E) IMPROVEMENTS AS NECESSARY FOR CONSTRUCTION OF NEW IMPROVEMENTS UNDER THIS CONTRACT. CONTRACTOR SHALL FIELD WALK SITE TO REVIEW AND CONFIRM THE EXTENT OF ALL CLEARING WORK PRIOR TO BID.
- ALL MATERIAL REMOVED BY CONTRACTOR SHALL BE PROPERLY AND LEGALLY DISPOSED OFFSITE (UNLESS SPECIFICALLY IDENTIFIED TO BE DELIVERED TO OWNER.)
- NUMEROUS UNDERGROUND UTILITIES EXIST WITHIN THE AREAS OF EXISTING CONCRETE REMOVAL. CONTRACTOR SHALL USE CAUTION DURING DEMOLITION AND SUBGRADE SCARIFICATION AND COMPACTION TO PROTECT SAID UTILITIES.



1
C2.1

DEMOLITION PLAN



SCALE: 1"=10'

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121998 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 10/08/2024



HMC Architects

R2211551

2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA 95816
916 369 7990 / www.hmcarchitects.com

DESCRIPTION	DATE
-------------	------

CONSULTANT:

REGISTERED PROFESSIONAL ENGINEER
NO. 36500
Exp. 6-30-24
Warren-Green
ENGINEERS
3114 Brennans Road
Loomis, CA 95690

FACILITY:
JULIA MORGAN ELEMENTARY SCHOOL
377 AG SPANOS BLVD. STOCKTON, CA 95209

PROJECT:
LODI UNIFIED SCHOOL DISTRICT LUNCH SHELTERS-
JULIA MORGAN ELEMENTARY SCHOOL

SHEET NAME:
DEMOLITION PLAN

CONSTRUCTION DOCUMENTS

FILE NO.: JMES-CD	A NO.: R2211551
DATE: NOV. 17, 2023	CLIENT PROJ NO:
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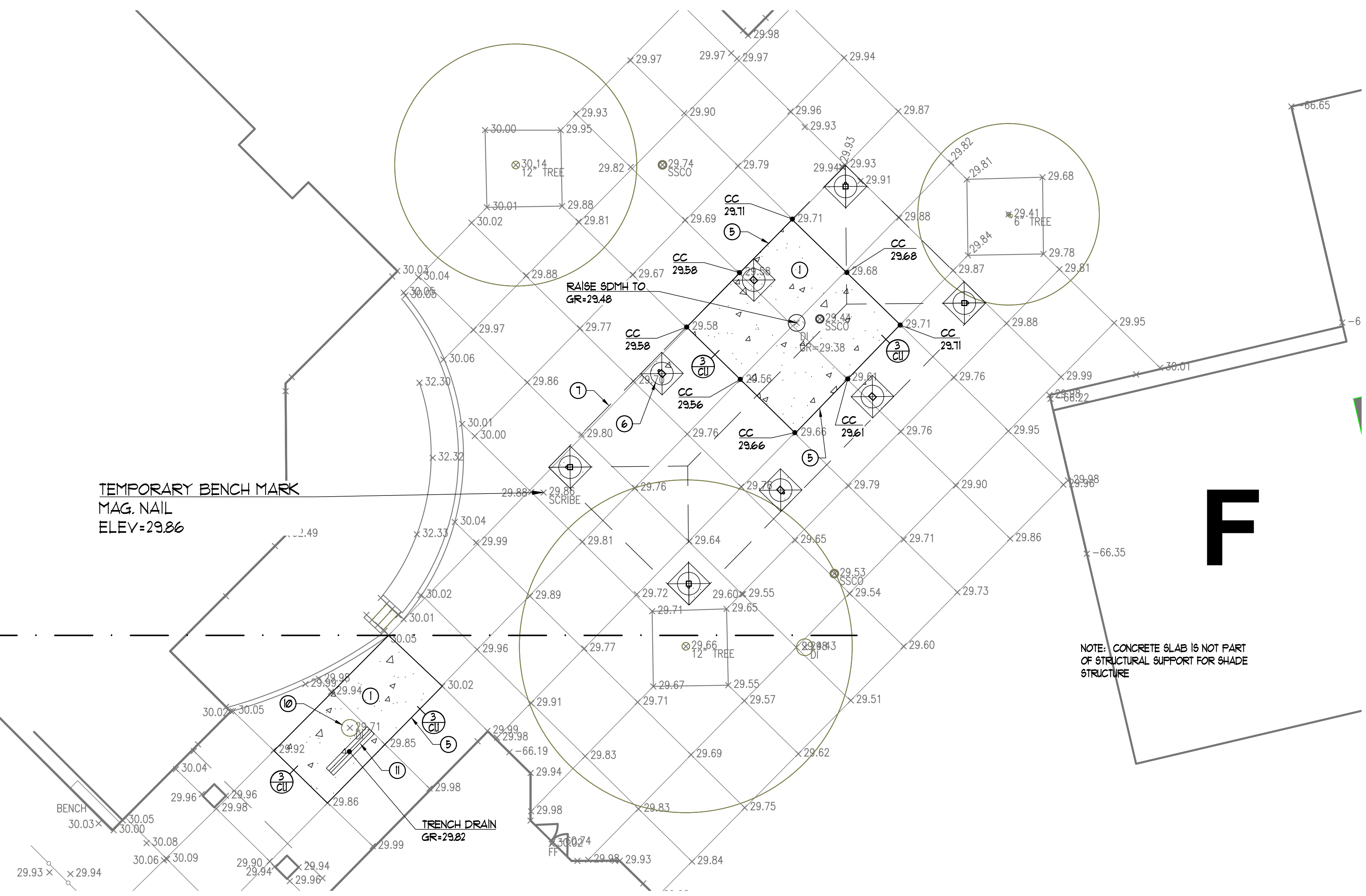
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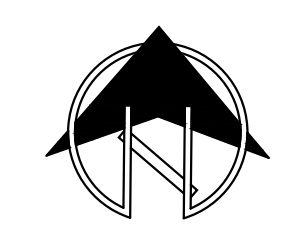
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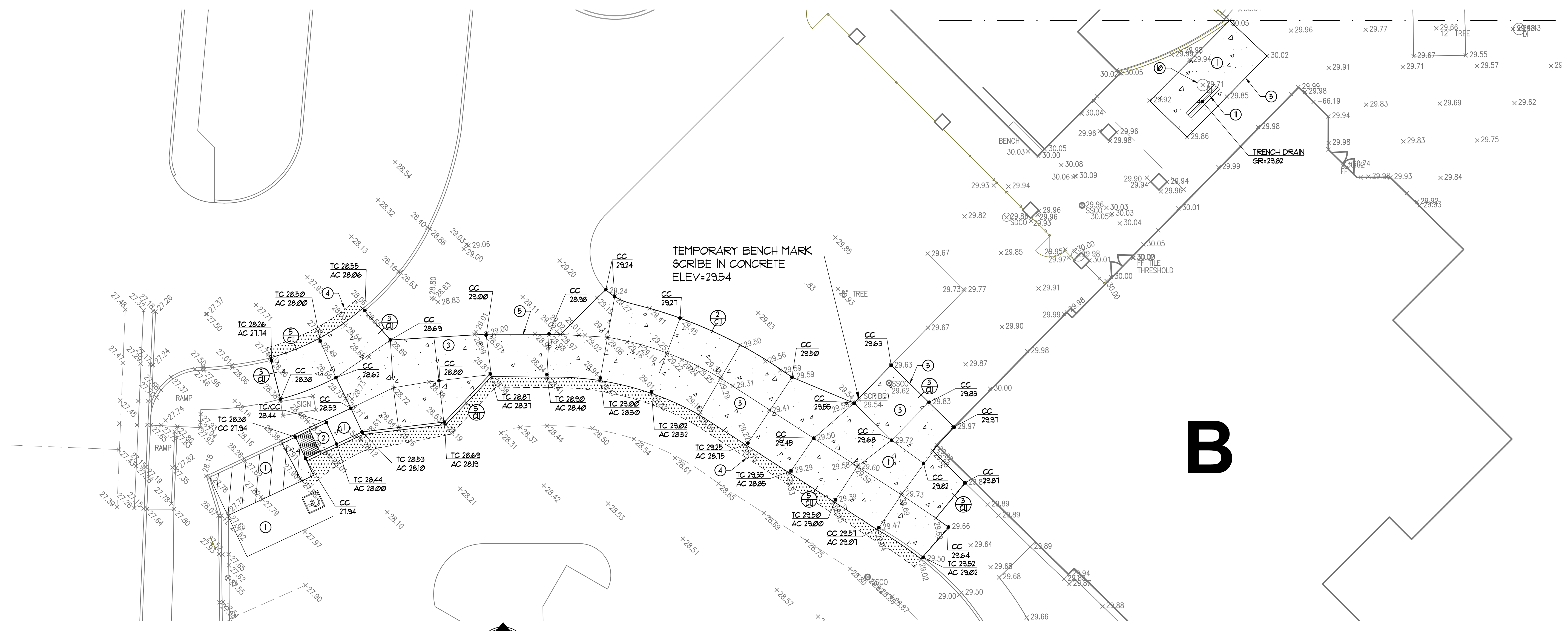
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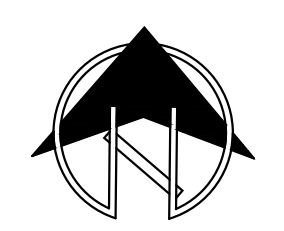
2 GRADING, DRAINAGE AND PAVING PLAN
C3.1



SCALE: 1"=10'



1 GRADING, DRAINAGE AND PAVING PLAN
C3.1



SCALE: 1"=10'

NOTES:

1. CONCRETE SLAB IS NOT PART OF STRUCTURAL SUPPORT FOR SHADE STRUCTURE
2. CONTRACTOR SHALL LOCATE ALL UTILITIES IN AREA OF WORK PRIOR TO START OF CONSTRUCTION. NOTIFY ARCHITECT IF ANY CONFLICTS WITH NEW FOOTINGS OCCUR.
3. ALL UTILITIES (VALVE BOX COVERS, VAULTS, CLEANOUTS, ETC.) SHALL BE ADJUSTED TO NEW FINISH GRADES.

PAVING LEGEND

- 35" ASPHALT CONCRETE ON 45" AGGREGATE BASE ON COMPACTED SUBGRADE
- 5" CONCRETE ON 6" AGGREGATE BASE ON COMPACTED SUBGRADE W/ 5 REBAR AT 18" O.C. EACH WAY

KEY NOTE LEGEND

1. 12% MAX. SLOPE IN ANY DIRECTION.
2. RAMP - 8% MAX. SLOPE IN DIRECTION OF TRAVEL, 12% MAX. CROSS SLOPE
3. 12% MAX. CROSS SLOPE 4.75% MAX. SLOPE IN DIRECTION OF TRAVEL.
4. MATCH (E) AC GRADE AT SAUCUT LINE.
5. MATCH (E) CONC. GRADE AT SAUCUT LINE.
6. SHADE STRUCTURE FOOTING - TYPICAL
7. SHADE STRUCTURE ROOF LINE
8. CONTRACTOR SHALL LOCATE EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. NOTIFY ARCHITECT IF CONFLICT WITH NEW FOOTINGS EXISTS.
9. RAISE (E) SDMH TO GR+29.48
10. RAISE SDMH TO GRADE
11. TRENCH DRAIN SEE DETAIL 6, SHEET C11 CONNECT TO SDMH W/ 4" SD 6" 6" MIN.

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377 AG SPANOS BLVD. STOCKTON, CA 95209

PROJECT:
LODI UNIFIED SCHOOL DISTRICT LUNCH SHELTERS-
JULIA MORGAN ELEMENTARY SCHOOL

SHEET NAME:
GRADING, DRAINAGE AND PAVING PLAN

CONSTRUCTION DOCUMENTS

FILE NO.: JMES-CD	A NO.: R2211551
DATE: NOV. 17, 2023	CLIENT PROJ NO.:
SHEET:	

C3.1

Autodesk Docs: R221551X00 Lodi USD Lunch Shelters R221551X00-A.MORGAN-LS-LUNCH-SHELTER.v4
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THE LINE SHOWN ABOVE THE
EXISTING PATH OF TRAVEL
SHALL BE USED TO
INDICATE THE
SHEET DRIVING PAGE SIZE

BUILDING DATA AND ALLOWABLE AREA ANALYSIS					
BUILDING	OCCUPANCY	CONSTRUCTION TYPE	ALLOWABLE AREA (TABLE 506.2)	ACTUAL BLDG. AREA	OCCUPANCY CALCULATION
LS	A-2	II-B NON-SPRINKLERED	9,500 S.F.	1,920 SF	1,920 SF / 15 NET = 128 OCC.

EXISTING PATH OF TRAVEL (POT): ARCHITECT STATEMENT

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE IN CHARGE STATEMENT: THE POT 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 POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT 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 POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDINGS OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON-COMPLYING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT TO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

ACCESSIBLE PARKING STALL CALCULATION	
TOTAL PARKING STALL COUNT:	61 STALLS
ACCESSIBLE PARKING STALLS	(TABLE 11B-208.2)
REQUIRED ACCESSIBLE STALLS:	3 (51-100 TOTAL STALLS)
REQUIRED VAN ACCESSIBLE STALLS:	1 (1-6 ACCESSIBLE STALLS)
ACCESSIBLE STALLS PROVIDED:	3 VAN

NOTE: LUNCH SHELTER COMPLIES WITH DSA IR 31-1

LEGEND	
	PROPERTY LINE
	ACCESSIBLE PATH OF TRAVEL
	ORNAMENTAL FENCE
	CHAIN LINK FENCE
	EXISTING BUILDINGS
	NEW CONCRETE
	EXISTING FIRE HYDRANT
	EXISTING LIGHT POLE

SHEET NOTES

- SN.01 (E) BOYS TOILET ROOM PER DSA #02-61291, UPGRADED PER THIS APPLICATION
- SN.02 (E) GIRLS TOILET ROOM PER DSA #02-61291, UPGRADED PER THIS APPLICATION
- SN.03 (E) STAFF TOILET ROOM PER DSA #02-61291, WILL NOT BE UPGRADED BASED ON VALUATION THRESHOLD
- SN.04 LIMITATIONS PARKING STALL UPGRADED PER THIS APPLICATION
- SN.05 PARKING LOT ENTRANCE SIGN UPGRADED PER THIS APPLICATION
- SN.06 ACCESSIBLE DRINKING FOUNTAIN UPGRADED PER THIS APPLICATION
- SN.07 (E) ACCESSIBLE 3' WIDE GATE WITH EXIT HARDWARE AND KICK PLATE

BUILDING DESIGNATIONS

DSA # 61291		
UNIT A	-	MULTIPURPOSE BUILDING
UNIT B	-	ADMINISTRATIVE/LIBRARY BUILDING
UNIT C	-	CLASSROOM BUILDING
UNIT D	-	CLASSROOM BUILDING
UNIT E	-	CLASSROOM BUILDING
UNIT F	-	CLASSROOM BUILDING
UNIT G	-	CLASSROOM BUILDING
UNIT H	-	CLASSROOM BUILDING
UNIT J	-	CLASSROOM BUILDING
UNIT K	-	TOILET ROOM BUILDING
UNIT L	-	TOILET ROOM BUILDING

DSA #		
UNIT P1	-	PORTABLE CLASSROOM BUILDING
UNIT P2	-	PORTABLE CLASSROOM BUILDING
UNIT P3	-	PORTABLE CLASSROOM BUILDING
UNIT P4	-	PORTABLE CLASSROOM BUILDING
UNIT P5	-	PORTABLE CLASSROOM BUILDING
UNIT P6	-	PORTABLE CLASSROOM BUILDING
UNIT P7	-	PORTABLE CLASSROOM BUILDING

THIS APPLICATION	
UNIT LS	- 30' X 64' LUNCH SHELTER

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121998 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 10/08/2024

HMC Architects

R221551X00

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SACRAMENTO, CA. 95816
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ISSUE

DESCRIPTION	DATE
ACCESSIBLE PATH OF TRAVEL	

1. ACCESSIBLE PATH OF TRAVEL (P.O.T.):
SITE WALKWAYS SHALL PROVIDE A BARRIER-FREE P.O.T. ABRUPT CHANGES IN LEVEL ALONG ANY P.O.T. ARE ALLOWED UP TO 1/2" ONLY ABRUPT CHANGES IN ELEVATION UP TO 1/4" ARE ALLOWED TO HAVE A VERTICAL TRANSITION. ABRUPT CHANGES IN ELEVATION BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:UNIT VERTICAL TO 2:UNITS HORIZONTAL. GATES IN THE P.O.T. SHALL HAVE A SIGN ADJACENT TO THE GATE. IN ALL CAPITALIZED LETTERS, WHICH READS: "THIS GATE TO REMAIN LOCKED IN OPEN POSITION DURING SCHOOL HOURS OR ANY PUBLIC EVENT".

2. THE CONTRACTOR SHALL PROVIDE A P.O.T. FROM THE DISABLED ACCESSIBLE PARKING STALLS TO ALL BUILDINGS AND SITE FUNCTIONS. CONTRACTOR SHALL VERIFY THAT THE P.O.T. IS BARRIER-FREE AS DESCRIBED IN THESE NOTES.

3. WALKWAYS SHALL BE FREE OF GRATINGS WHEREVER POSSIBLE. GRATINGS WHICH OCCUR WITHIN THE P.O.T. SHALL HAVE OPENINGS WHICH DO NOT EXCEED 1/2" IN THE DIRECTION OF TRAVEL PER CBC SECTION 11338.7.2.

4. AN ABRUPT DROP-OFF CHANGE IN ELEVATION AT THE EDGE OF ANY WALK INTO AN ADJACENT PLANTER SHALL NOT EXCEED 4".

5. SLOPES IN THE DIRECTION OF THE P.O.T. GREATER THAN 1:UNIT VERTICAL TO 20:UNITS HORIZONTAL SHALL BE CONSIDERED A RAMP AND WILL REQUIRE HANDRAILS ON BOTH SIDES PER CBC SECTION 11338.5.3. SLOPES IN THE DIRECTION OF THE P.O.T. ALONG WALKWAYS SHALL NOT EXCEED 5%. CROSS SLOPES IN THE P.O.T. ALONG WALKWAYS SHALL NOT EXCEED 2%.

6. ALL WALKWAYS WITHIN THE P.O.T. SHALL BE A MINIMUM OF 48" IN WIDTH. SURFACES WITH A SLOPE OF LESS THAN 6% SHALL BE AT LEAST AS SLIP-RESISTANT AS THAT PROVIDED BY A MEDIUM BROOM FINISH. SURFACES WITH A SLOPE OF MORE THAN 6% SHALL BE SLIP-RESISTANT.

7. OBJECTS PROTRUDING INTO THE P.O.T. SHALL NOT REDUCE THE CLEAR WIDTH OR MANEUVERING SPACE WITHIN THE P.O.T. PER CBC SECTION 11338.8.6.

8. ARCHITECT HAS SURVEYED/INSPECTED THE PATH OF TRAVEL (P.O.T.) AS INDICATED ON THE PLANS AND HAS FOUND IT TO BE, OR HAS INDICATED ON THE PLANS REMEDIAL WORK WHICH WOULD CAUSE IT TO BE, A BARRIER-FREE ACCESSIBLE ROUTE:

a. AT LEAST 48" IN WIDTH; OR AS APPROVED BY CODE;

b. WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BELIEVED AT MAXIMUM SLOPE, OR VERTICAL LEVEL CHANGES EXCEEDING 1/4";

c. WITH A FIRM, STABLE, AND SLIP RESISTANT WALKING SURFACE;

d. WITH A RUNNING SLOPE OF 1:20 OR LESS, UNLESS OTHERWISE INDICATED, AND A CROSS SLOPE OF 1:50 OR LESS;

e. IS FREE OF OVERHEAD OBSTRUCTIONS WITHIN 80" ABOVE THE WALKING SURFACE; AND

f. IS FREE OF OBJECTS WHICH PROTRUDE MORE THAN 4" BETWEEN THE HEIGHTS OF 27" AND 80" ABOVE THE WALKING SURFACE.

KEYNOTES

NOTES

FACILITY:
JULIA MORGAN ELEMENTARY SCHOOL
3777 A.G. SPANOS BOULEVARD, STOCKTON, CA 95209

PROJECT:
LODI UNIFIED SCHOOL DISTRICT LUNCH SHELTERS - JULIA MORGAN ELEMENTARY SCHOOL

SHEET NAME:
CODE INFORMATION SITE PLAN

CONSTRUCTION DOCUMENTS

DATE: 11/21/2023
CLIENT PROJ NO:

SHEET:

A1.21

CODE INFORMATION SITE PLAN

1

1" = 40'-0"

PLEASE RECYCLE

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DSA-810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

PROJECT INFORMATION

School District:

LODI UNIFIED SCHOOL DISTRICT

Project name / school:

JULIA MORGAN ELEMENTARY SCHOOL

Project address:

3777 A.G. SPANOS BOULEVARD STOCKTON, CA 95208

FIRE & LIFE SAFETY INFORMATION

ALTERNATE ACCEPTED

1.

Has a fire hydrant flow test been performed within the past 12 months?
(If yes, provide a copy of the test data)

Yes

No

X

2.

Was the fire hydrant water flow test performed as part of this LFA review?

Yes

No

X

3.

Is the project located within a designated fire hazard severity zone as established by Cal-Fire? (If yes, indicate fire hazard zone classification below)
Refer to the following for fire hazard zone locations:
www.fire.ca.gov/fire_prevention/fire_prevention_wildland_zones_maps
Wildland Interface Area (WIFA)
(If any designations are checked, project design must meet the requirements of CBC Chapter 7A)

Moderate

High

Very High

WIFA

X

CONDITION MEANS AND METHODS RESOLUTION

ALTERNATE ACCEPTED

4.

Emergency vehicle access roadways do not meet CFC requirements

Yes

No

N/A

N/R

X

4a.

Acceptable Alternative: Emergency vehicle and personnel access as proposed by the architect is acceptable for providing fire suppression and protection of life and property

X

5.

Fire Hydrants: Number and spacing does not meet CFC requirements

X

5a.

Acceptable Alternative: Number of fire hydrants and spacing as proposed by the architect is acceptable for fire suppression and protection of life and property.

X

6.

Fire Hydrants: Water flow and pressure are less than CFC minimum.

X

6a.

Acceptable Alternative: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.

X

7.

Location of fire department connection(s) serving fire sprinkler system or standpipe system does not meet CFC requirements.

X

7a.

Acceptable Alternative: The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.

X

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 of more of the conditions indicated at items 4a, 5a, 6a, or 7a, for providing fire and life safety protection of life and property.

Accepted by:

Title:

Signature:

Date:

LOCAL FIRE AUTHORITY (LFA) INFORMATION

LFA Agency Name:

LFA Review Official:

Title:

Work Phone:

Work Email:

LFA Reviewer's Signature:

Date:

LEGEND

PROPERTY LINE

ORNAMENTAL FENCE

CHAIN LINK FENCE

EXISTING FIRE LANE

X

EXISTING BUILDINGS

EXISTING FIRE HYDRANT

SHEET NOTES

SN.01

(E) FIRE LANE

SN.02

(E) FIRE HYDRANT

SN.03

(E) PR 10'-0" SWING GATES WITH KNOX LOCK

SN.04

(E) 20'-0" WIDE SLIDING GATE WITH KNOX LOCK

AGENCY APPROVAL:

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

APP: 02-121998 INC:

REVIEWED FOR:

SS ☒ FLS ☒ ACS ☒

DATE: 10/08/2024

HMC Architects

R221551X00

2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA. 95816
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ISSUE

DESCRIPTION

DATE

KEYNOTES

NOTES

FACILITY:

JULIA MORGAN ELEMENTARY SCHOOL

3777 A.G. SPANOS BOULEVARD, STOCKTON, CA 95209

PROJECT:

LODI UNIFIED SCHOOL DISTRICT LUNCH SHELTERS - JULIA MORGAN ELEMENTARY SCHOOL

SHEET NAME:

LOCAL FIRE AUTHORITY SITE ACCESS PLAN

CONSTRUCTION DOCUMENTS

DATE: 11/21/2023

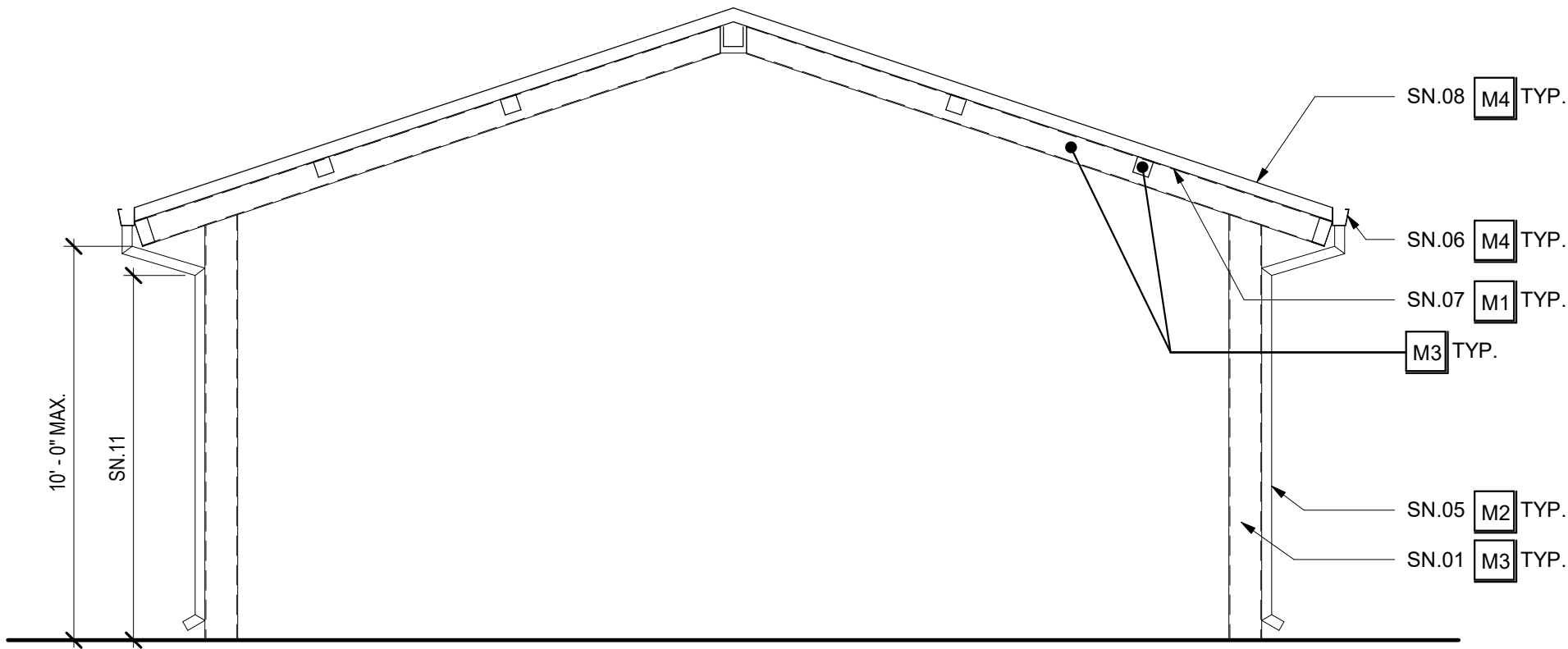
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LUNCH SHELTER SECTION INCREMENT 2 1
1/4" = 1'-0"

LEGEND

- PROPERTY LINE
- ACCESSIBLE PATH OF TRAVEL
- ORNAMENTAL FENCE
- CHAIN LINK FENCE
- EXISTING BUILDINGS
- NEW CONCRETE
- EXISTING FIRE HYDRANT
- EXISTING LIGHT POLE

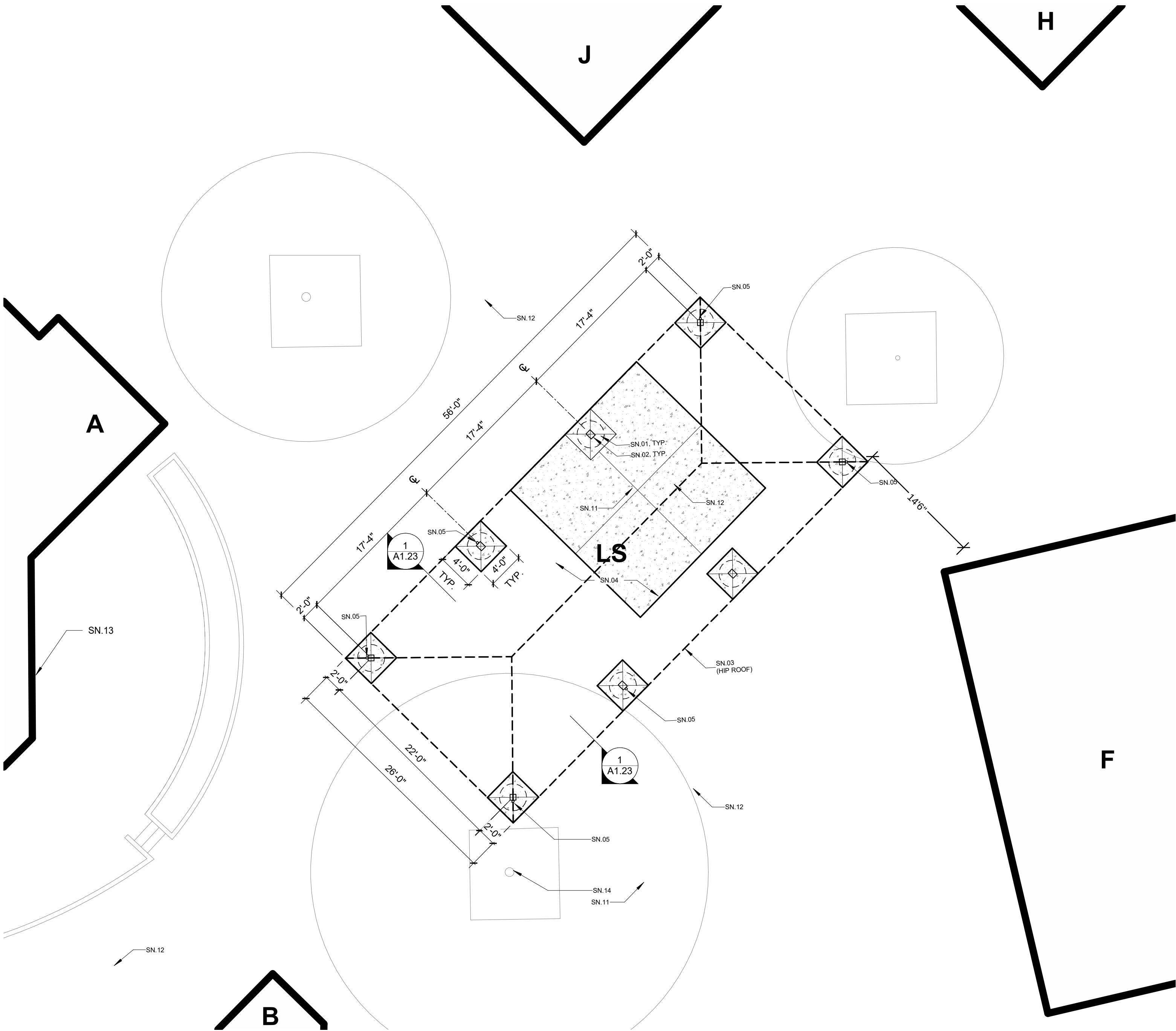
EXTERIOR COLOR SCHEDULE

	MATERIAL	COLOR
M1	METAL	METAL FINISH COLOR 1 (1)
M2	METAL	METAL FINISH COLOR 2 (1)
M3	METAL	METAL PREFINISH COLOR (1) (3)
M4	METAL	METAL PREFINISH COLOR (1) (4)

- (1) CUSTOM COLORS TO BE SUBMITTED PER SPECIFICATIONS.
- (2) CLEAN, PREP AND PAINT ALL SURFACES NOT PREFINISHED.

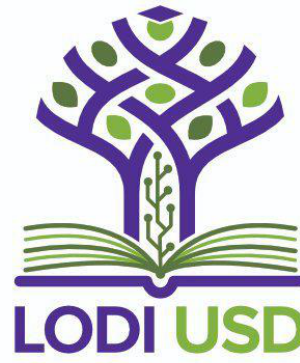
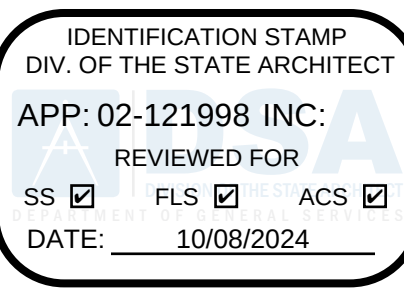
SHEET NOTES

- SN.01 HSS COLUMN
- SN.02 DRILLED PIER FOOTING
- SN.03 ROOF OVERHANG ABOVE
- SN.04 SITE WORK PER THIS APPLICATION
- SN.05 3" DIAMETER SCHEDULE 40 STEEL DOWNSPOUT
- SN.06 PREFINISHED GUTTER AND FLASHING
- SN.07 PAINT DECK UNDERSIDE
- SN.08 STANDING SEAM ROOF
- SN.09 HOLD TIGHT TO UNDERSIDE OF FRAMING: MAINTAIN 9'-0" CLEARANCE MIN.
- SN.10 PROVIDE EXPANSION JOINT AT ALL INTERSECTIONS OF EXISTING AND NEW CONCRETE
- SN.11 (E) DRAIN INLET
- SN.12 (E) SANITARY SEWER CLEANOUT
- SN.13 (E) FIRE ALARM HORN
- SN.14 TRIM BACK (E) TREE AS REQUIRED TO CLEAR LUNCH SHELTER



ENLARGED PLAN - LUNCH SHELTER 2
1/8" = 1'-0"

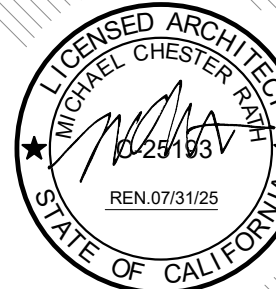
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SACRAMENTO, CA 95816
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DESCRIPTION	DATE
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KEYNOTES

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3777 A.G. SPANOS BOULEVARD, STOCKTON, CA 95209

PROJECT:
LODI UNIFIED SCHOOL DISTRICT LUNCH SHELTERS -
JULIA MORGAN ELEMENTARY SCHOOL

SHEET NAME:
ENLARGED SITE PLAN AND SECTION - LUNCH
SHELTER

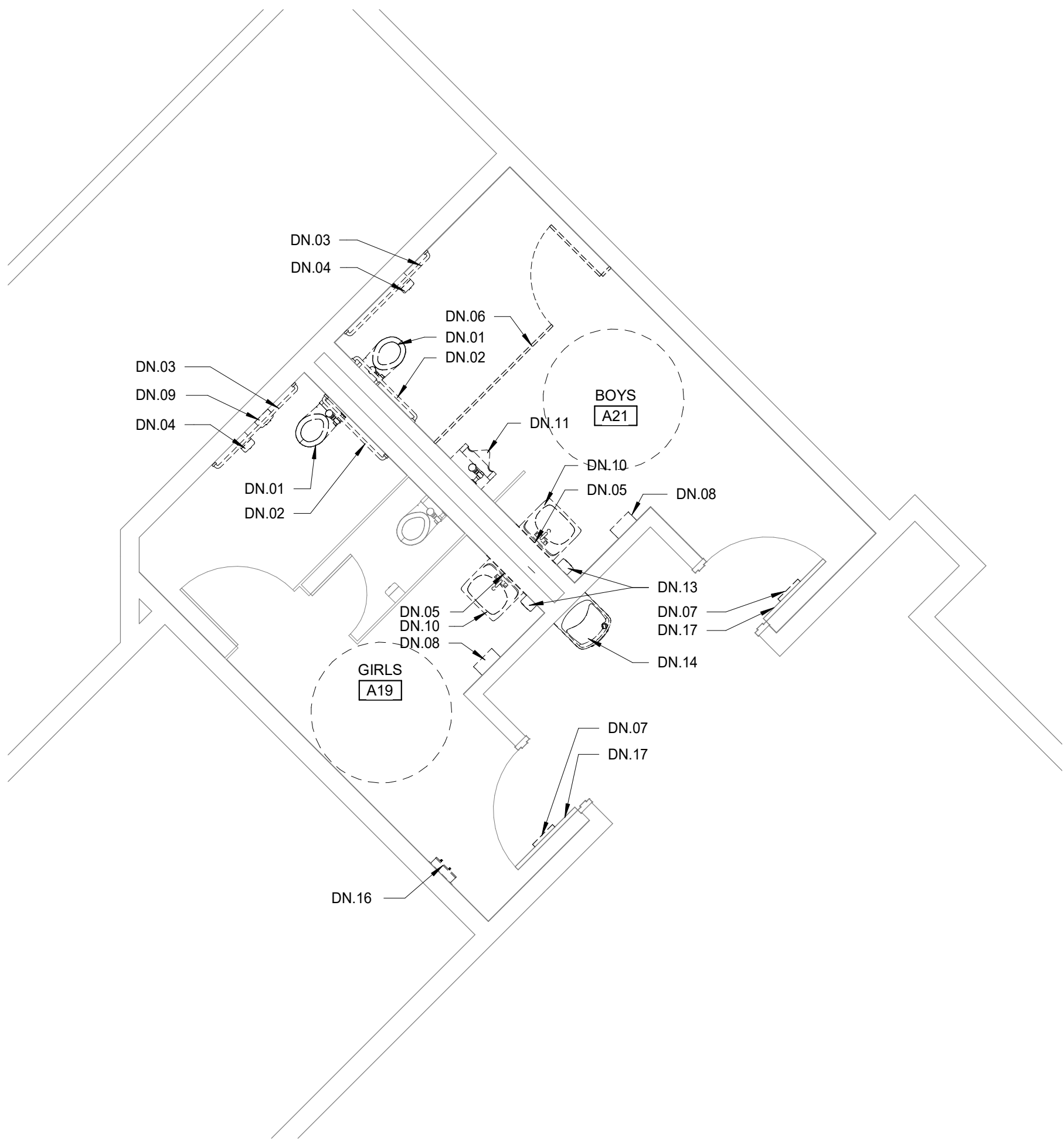
CONSTRUCTION DOCUMENTS

DATE: 11/21/2023	CLIENT PROJ NO:
SHEET:	

A1.23

Autodesk Docs: R221551X00 Lodi USD Lunch Shelters R221551X00-A.MORGANES LUNCH SHELTER.v4
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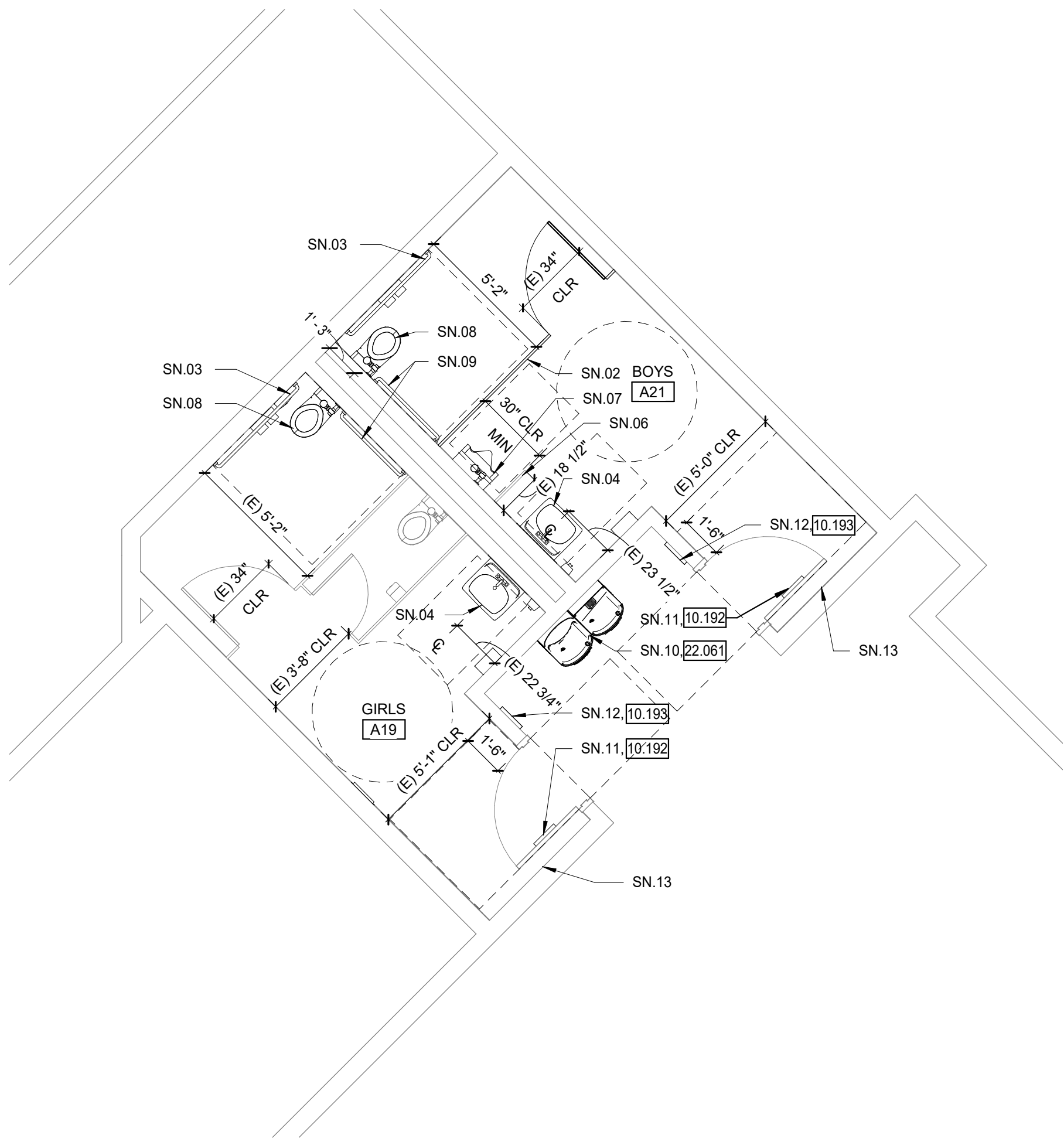
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BOYS/GIRLS - TOILET ROOM DEMOLITION

4

1/4" = 1'-0"



BOYS/GIRLS - TOILET ROOM IMPROVEMENT

2

1/4" = 1'-0"

NOTE:
1. NO ALTERATION TO (E) FIRE ALARM SYSTEM

LEGEND

- DENOTES EXISTING WALLS & CURBS
(WHERE OCCURS) TO BE REMOVED. SEE
STRUCTURAL DRAWINGS FOR ADDITIONAL
INFORMATION
- EXISTING WALL TO REMAIN
- 4.5 1.5
4 INTERIOR ELEV. 2
3.5 3 2.5
CONSECUTIVE NUMBERING
CONVENTION FOR INTERIOR
ELEVATIONS AND ROOM
FINISHES.
- REMOVE (E) DOOR, HARDWARE
AND FRAME U.O.N.
- 30" x 48" CLEAR
FLOOR SPACE
- 60" CLEAR
FLOOR SPACE

GENERAL NOTES

1. TYPICAL MOUNTING HEIGHTS AND DETAILS APPLY TO
ENTIRE PROJECT. WHETHER REFERENCED OR NOT,
UNLESS OTHERWISE NOTED.
2. ALL DISABLED ACCESSIBLE DIMENSIONS, ARE
MAXIMUM DIMENSIONS UNLESS OTHERWISE NOTED.
3. REMOVE OR MODIFY ALL ITEMS AS REQUIRED TO
INSTALL NEW WORK. WHETHER OR NOT SPECIFICALLY
SHOWN TO BE REMOVED OR MODIFIED.
4. WHERE DRAINS, PIPING AND OTHER MATERIALS AND
EQUIPMENT ARE REMOVED FROM THE SLAB, IT SHALL
BE BACKFILLED. FINISHED FLUSHED WITH ADJACENT
SURFACES AND PREPARED TO RECEIVE THE NEW FINISH.
5. CUT AND PATCH EXISTING SLAB AS REQUIRED FOR NEW
PLUMBING WORK.
6. DEMO AND REPAIR WALL FINISH AS NECESSARY TO
PERFORM FIXTURE AND EQUIPMENT WORK AS NOTED.
ADJACENT FINISHES TO BE VERIFIED BY CONTRACTOR
7. EQUIPMENT/FIXTURES NOTED AS "SALVAGED FOR
REINSTALLATION" WILL BE REMOVED AND STORED BY THE
CONTRACTOR PRIOR TO START OF DEMOLITION. THESE
EQUIPMENT/FIXTURES SHALL BE REINSTALLED BY THE
CONTRACTOR UNDER THIS CONTRACT.

DEMOLITION NOTES

- DN.01 REMOVE (E) WATER CLOSET AND SALVAGE FOR
REINSTALLATION
- DN.02 REMOVE (E) 36" GRAB BAR AND SALVAGE FOR
REINSTALLATION
- DN.03 REMOVE (E) 48" GRAB BAR AND SALVAGE FOR
REINSTALLATION
- DN.04 REMOVE (E) TOILET PAPER DISPENSER
- DN.05 REMOVE (E) MIRROR AND SALVAGE FOR
REINSTALLATION
- DN.06 REMOVE (E) TOILET PARTITION AND SALVAGE
FOR REINSTALLATION
- DN.07 REMOVE (E) TOILET ROOM DOOR SIGNAGE
- DN.08 REMOVE (E) PAPER TOWEL DISPENSER AND SALVAGE
FOR REINSTALLATION
- DN.09 REMOVE (E) SANITARY NAPKIN DISPOSAL AND
SALVAGE FOR REINSTALLATION
- DN.10 REMOVE (E) LAVATORY AND SALVAGE FOR
REINSTALLATION
- DN.11 REMOVE (E) URINAL AND SALVAGE FOR
REINSTALLATION
- DN.12 NOT USED
- DN.13 REMOVE (E) SOAP DISPENSER AND SALVAGE FOR
REINSTALLATION
- DN.14 REMOVE (E) DRINKING FOUNTAIN AND RETURN TO THE
DISTRICT
- DN.15 NOT USED
- DN.16 REMOVE (E) SANITARY NAPKIN DISPENSER AND
RETURN TO THE DISTRICT
- DN.17 REMOVE (E) CLOSER AND RETURN TO THE DISTRICT

SHEET NOTES

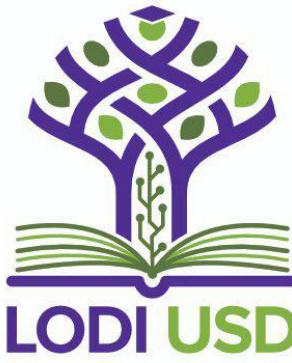
- SN.01 NOT USED
- SN.02 ADJUST TOILET PARTITION AS NECESSARY FOR
REQUIRED GRAB BAR. CLEARANCE. PROVIDE NEW
OVERHEAD BRACE AND ACCESSORIES AS REQUIRED FOR
ADJUSTMENT
- SN.03 REINSTALL SALVAGED 48" GRAB BAR TO COMPLY WITH
A10.2 (ELEMENTARY) FOR BOYS/GIRLS
- SN.04 REINSTALL SALVAGED LAVATORY TO COMPLY WITH A10.2
(ELEMENTARY) HEIGHT FOR BOYS/GIRLS AND (ADULT)
FOR STAFF. WRAP EXPOSED PIPE
W/INSULATION. RECONNECT TO (E) WATER LINE,
WASTE LINE AND VENT
- SN.05 NOT USED
- SN.06 (E) URINAL PARTITION TO REMAIN
- SN.07 REINSTALL SALVAGED URINAL TO COMPLY WITH A10.2
(ELEMENTARY) HEIGHT. RECONNECT TO (E) WATER LINE,
WASTE LINE AND VENT.
- SN.08 REINSTALL WATER CLOSET TO COMPLY WITH A10.2
(ELEMENTARY). RECONNECT TO (E) WATER LINE,
WASTE LINE AND VENT.
- SN.09 INSTALL 36" GRAB BAR TO COMPLY WITH A10.2
ELEMENTARY. MAINTAIN 1 1/2" CLEARANCE ALL AROUND
GRAB BAR.
PROVIDE BLOCKING PER DETAIL 7
A10.2
- CONTRACTORS OPTION, STAINLESS STEEL
PLATE GRAB BAR PER DETAIL 8
A10.2
- REMOVE AND REPLACE FRP FINISH IN FULL SHEET AS
REQUIRED
- SN.10 INSTALL DRINKING FOUNTAIN TO COMPLY WITH A10.2.
RECONNECT TO (E) WATER LINE AND WASTE LINE
- SN.11 INSTALL DOOR SIGNAGE PER A10.2
- SN.12 INSTALL TOILET ROOM I.D. SIGN PER A10.2
- SN.13 PROVIDE WALL BUMPER/STOP

KEY NOTES

- 10.192 TOILET ROOM DOOR SIGNAGE
- 10.193 TOILET ROOM I.D. SIGN
- 22.061 DRINKING FOUNTAIN WITH BOTTLE FILLER

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121998 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 10/08/2024



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R221551X00

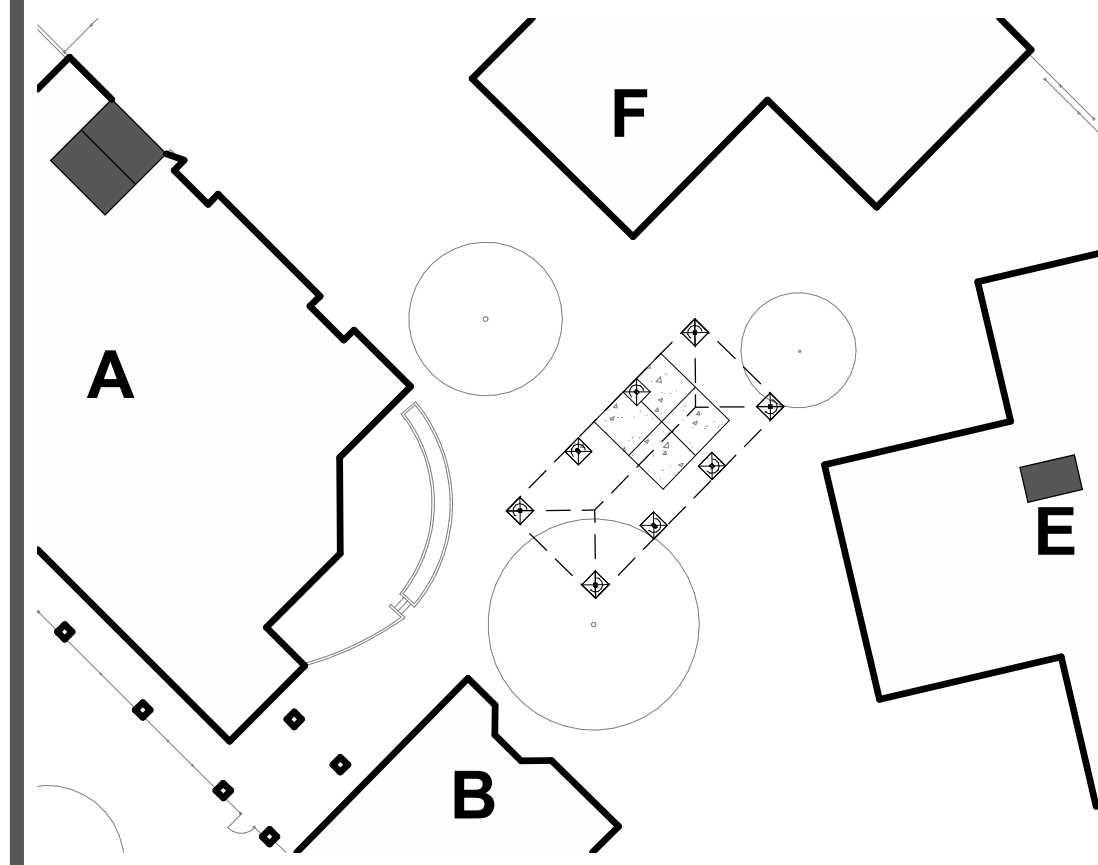
2101 CAPITOL AVENUE, SUITE 100,
SACRAMENTO, CA. 95816
916 368 7990 / www.hmcarchitects.com

ISSUE

DESCRIPTION	DATE
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NOTES

KEY PLAN



FACILITY:
JULIA MORGAN ELEMENTARY SCHOOL
3777 A.G. SPANOS BOULEVARD, STOCKTON, CA 95209

PROJECT:
**LODI UNIFIED SCHOOL DISTRICT LUNCH SHELTERS -
JULIA MORGAN ELEMENTARY SCHOOL**

SHEET NAME:
ENLARGED TOILET ROOM PLANS

CONSTRUCTION DOCUMENTS

DATE: 11/21/2023
CLIENT PROJ NO:

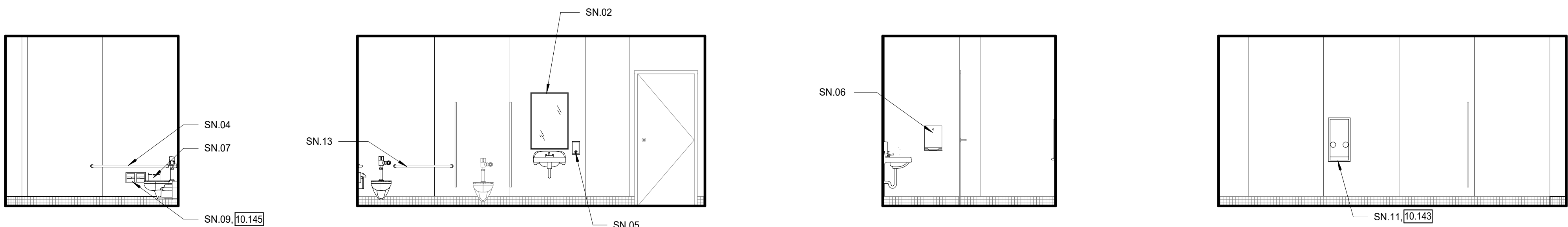
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A2.11

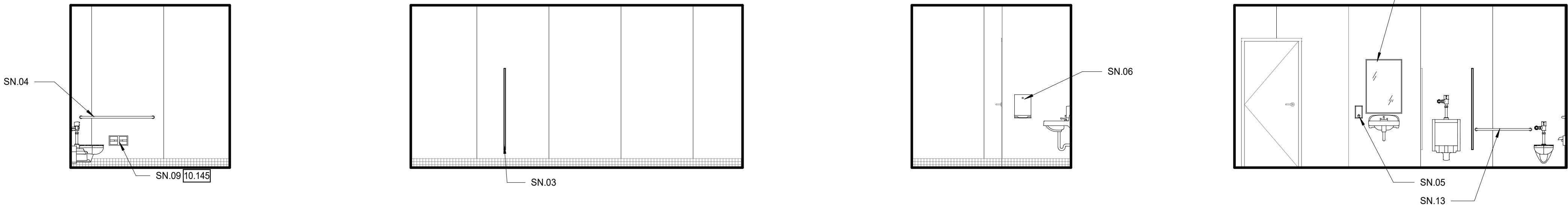
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THE LINE SHOWN ABOVE THE BOXED DIMENSION INDICATES THE SHEET ORIGIN PAGE SIZE



GIRLS TOILET ROOM INT. ELEVATIONS 03
1/4" = 1'-0"



BOYS TOILET ROOM INT. ELEVATIONS 02
1/4" = 1'-0"

LEGEND

- APPROX. EXTENT OF WALL FINISH AND BASE (AS APPLICABLE) PATCH MATCH ADJACENT.
- CONSECUTIVE NUMBERING CONVENTION FOR INTERIOR ELEVATIONS AND ROOM FINISHES.

GENERAL NOTES

1. TYPICAL MOUNTING HEIGHTS AND DETAILS APPLY TO ENTIRE PROJECT, WHETHER REFERENCED OR NOT, UNLESS OTHERWISE NOTED.
2. ALL DISABLED ACCESSIBLE DIMENSIONS, ARE MAXIMUM DIMENSIONS UNLESS OTHERWISE NOTED.
3. REMOVE OR MODIFY ALL ITEMS AS REQUIRED TO INSTALL NEW WORK, WHETHER OR NOT SPECIFICALLY SHOWN TO BE REMOVED OR MODIFIED.
4. WHERE DRAINS, PIPING AND OTHER MATERIALS AND EQUIPMENT ARE REMOVED FROM THE SLAB, IT SHALL BE BACKFILLED, FINISHED FLUSHED WITH ADJACENT SURFACES AND PREPARED TO RECEIVE THE NEW FINISH.
5. CUT AND PATCH EXISTING SLAB AS REQUIRED FOR NEW PLUMBING WORK.
6. DEMO AND REPAIR WALL FINISH AS NECESSARY TO PERFORM FIXTURE AND EQUIPMENT WORK AS NOTED, ADJACENT FINISHES TO BE VERIFIED BY CONTRACTOR
7. EQUIPMENT/FIXTURES NOTED AS "SALVAGED FOR REINSTALLATION" WILL BE REMOVED AND STORED BY THE CONTRACTOR PRIOR TO START OF DEMOLITION. THESE EQUIPMENT/FIXTURES SHALL BE REINSTALLED BY THE CONTRACTOR UNDER THIS CONTRACT.

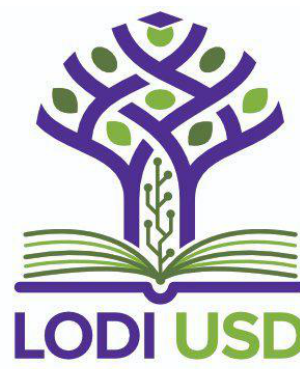
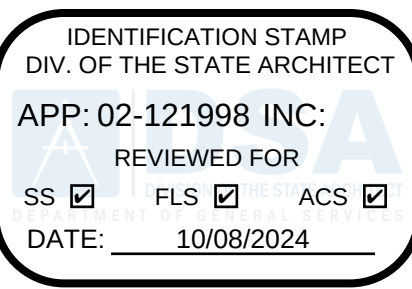
SHEET NOTES

- SN.01 NOT USED
- SN.02 REINSTALL SALVAGED MIRROR TO COMPLY WITH 6/A10.2 (ELEMENTARY) FOR BOYS/GIRLS
- SN.03 ADJUST TOILET PARTITION AS NECESSARY FOR REQUIRED GRAB BAR CLEARANCE. PROVIDE NEW OVERHEAD BRACE AND ACCESSORIES AS REQUIRED FOR ADJUSTMENT
- SN.04 REINSTALL SALVAGED 48" GRAB BAR TO COMPLY WITH 6/A10.2 (ELEMENTARY) FOR BOYS/GIRLS
- SN.05 REINSTALL SALVAGED SOAP DISPENSER TO COMPLY WITH A10.2 (ELEMENTARY) FOR BOYS/GIRLS
- SN.06 REINSTALL SALVAGED PAPER TOWEL DISPENSER TO COMPLY WITH A10.2 (ELEMENTARY)
- SN.07 REINSTALL SALVAGED SANITARY NAPKIN DISPENSER TO COMPLY WITH A10.2 (ELEMENTARY)
- SN.08 (E) URINAL PARTITION TO REMAIN
- SN.09 INSTALL TOILET PAPER DISPENSER TO COMPLY WITH A10.2 (ELEMENTARY) FOR BOYS/GIRLS
- SN.10 NOT USED
- SN.11 INSTALL SANITARY NAPKIN DISPENSER TO COMPLY WITH A10.2
- SN.12 NOT USED
- SN.13 INSTALL 36" GRAB BAR TO COMPLY WITH A10.2 ELEMENTARY. MAINTAIN 1 1/2" CLEARANCE ALL AROUND GRAB BAR. PROVIDE BLOCKING PER DETAIL 7 A10.2
- CONTRACTORS OPTION, STAINLESS STEEL PLATE GRAB BAR PER DETAIL 8 A10.2
- REMOVE AND REPLACE FRP FINISH IN FULL SHEET AS REQUIRED

KEY NOTES

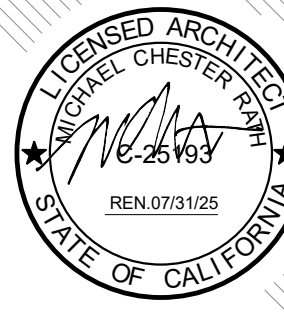
- 10.143 TOILET ACCESSORY: SANITARY NAPKIN/TAMPON DISPENSER
- 10.145 TOILET ACCESSORY: TOILET PAPER DISPENSER

AGENCY APPROVAL:



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DESCRIPTION	DATE
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KEYNOTES

NOTES

FACILITY:
JULIA MORGAN ELEMENTARY SCHOOL
3777 A.G. SPANOS BOULEVARD, STOCKTON, CA 95209

PROJECT:
LODI UNIFIED SCHOOL DISTRICT LUNCH SHELTERS -
JULIA MORGAN ELEMENTARY SCHOOL

SHEET NAME:
INTERIOR ELEVATIONS

CONSTRUCTION DOCUMENTS

DATE: 11/21/2023
CLIENT PROJ NO:
SHEET:

A8.11

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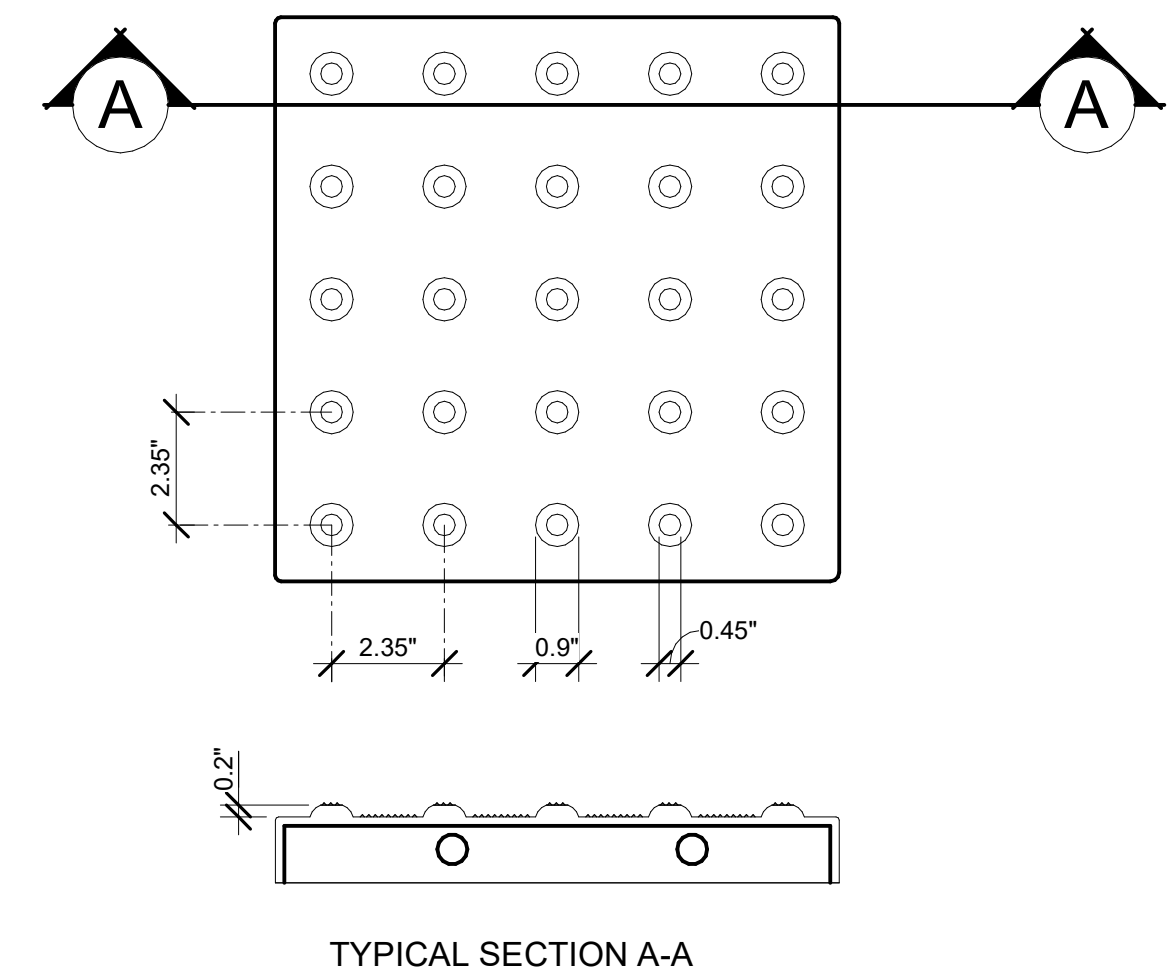
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NOTE:
SITE CONCRETE IS EXEMPT FOR THE FOLLOWING FROM DSA REQUIREMENTS FOR STRUCTURAL TESTS/SPECIAL INSPECTIONS

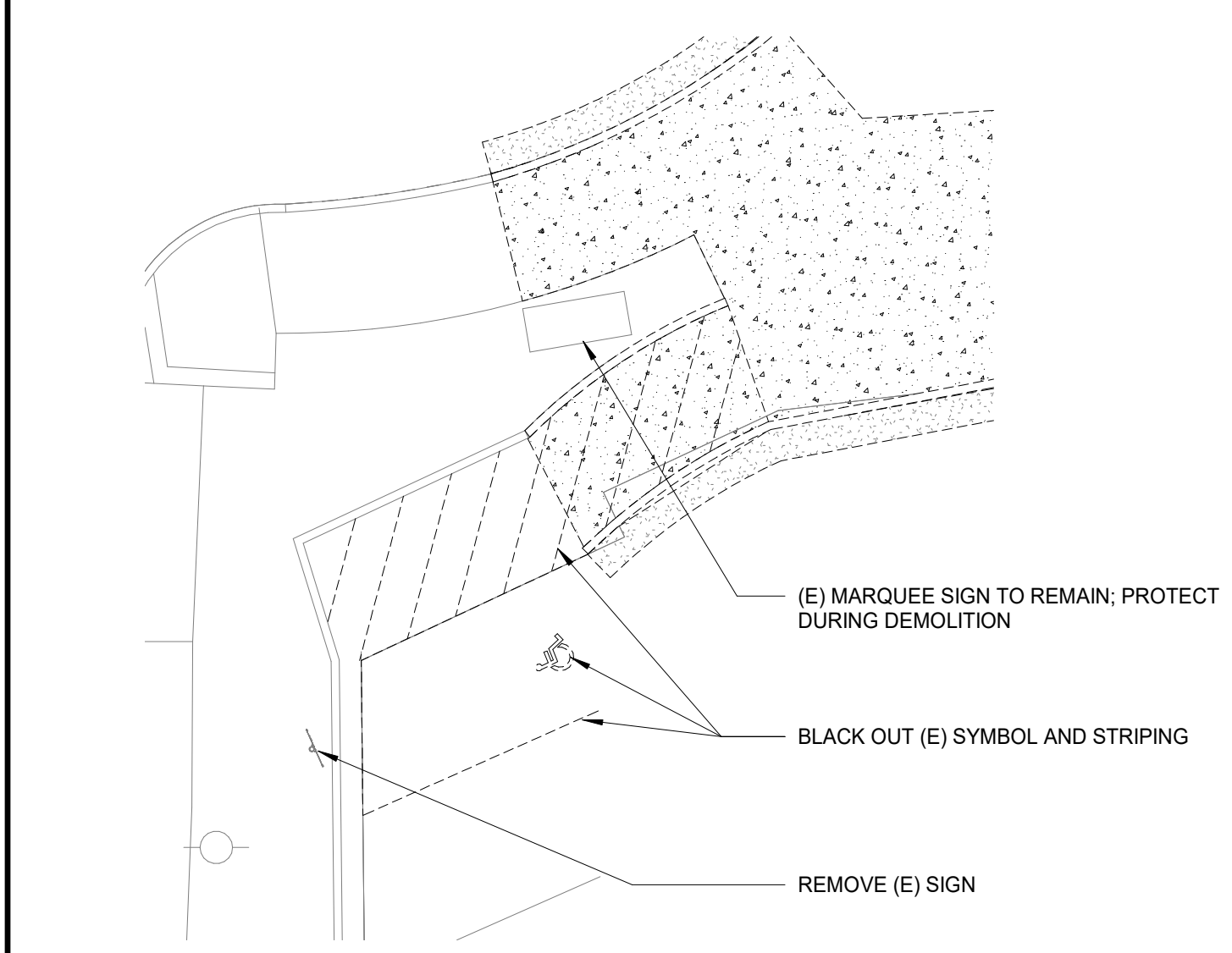
1. CONCRETE BATCH PLANT INSPECTION IS NOT REQUIRED FOR ITEMS GIVEN IN CBC SECTION 1705A.3.3.2

2. EPOXY SHEAR DOWELS IN SITE FLATWORK AND/OR OTHER NON-STRUCTURAL CONCRETE.

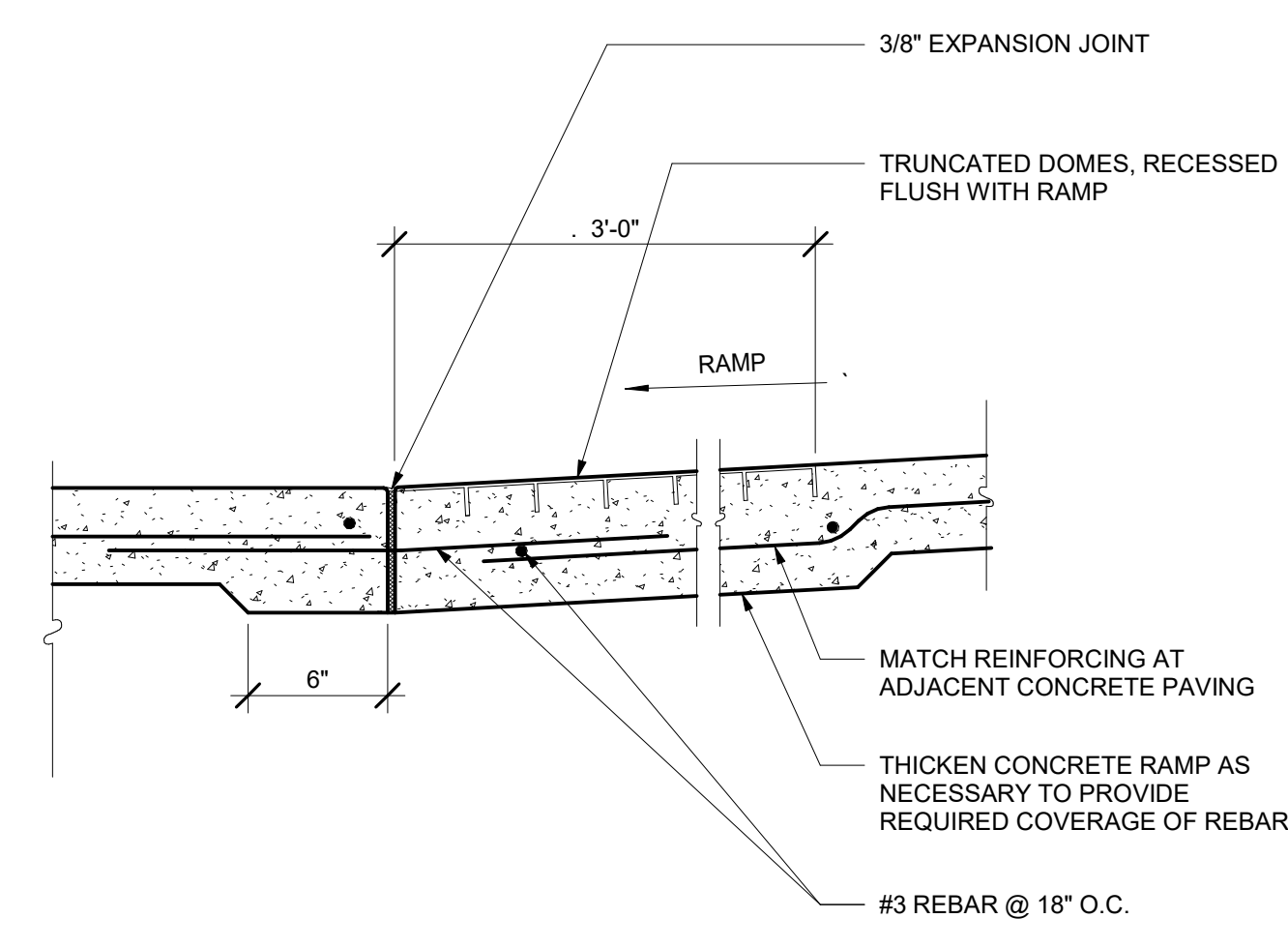
3. TESTING OF REINFORCING BARS



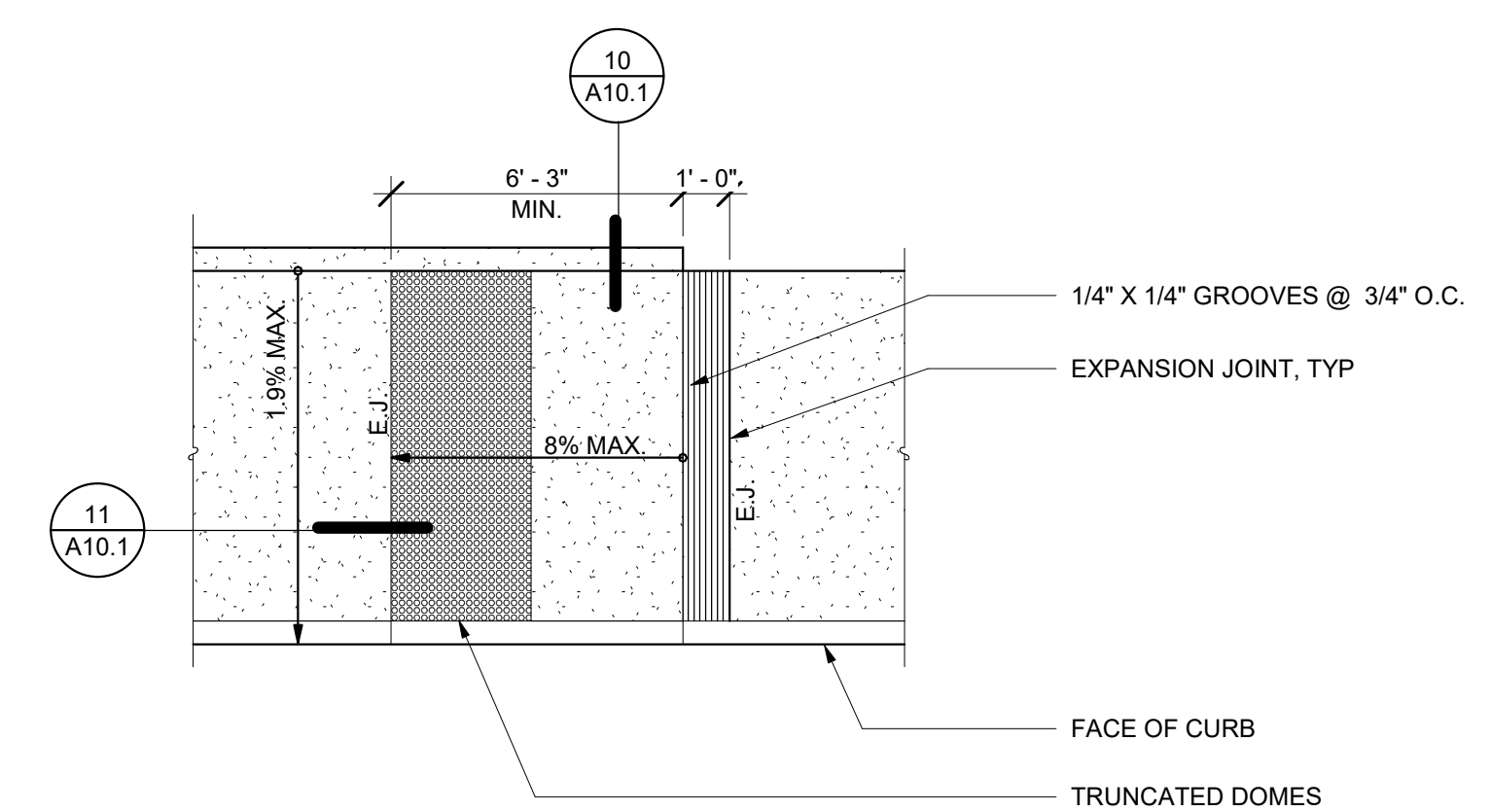
8 TRUNCATED DOMES
3" = 1'-0"



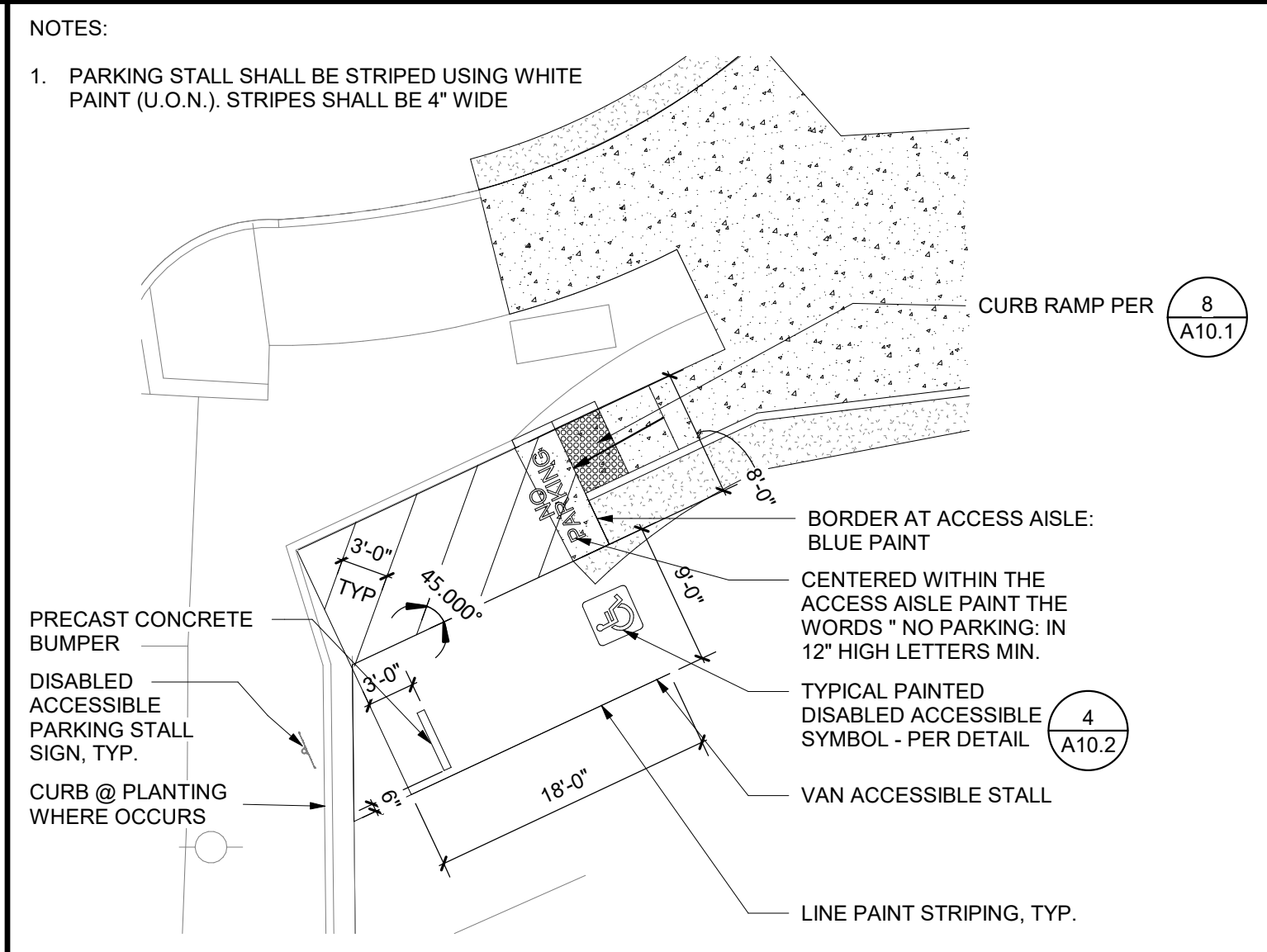
4 ENLARGED PARKING PLAN - DEMOLITION
1" = 10'-0"



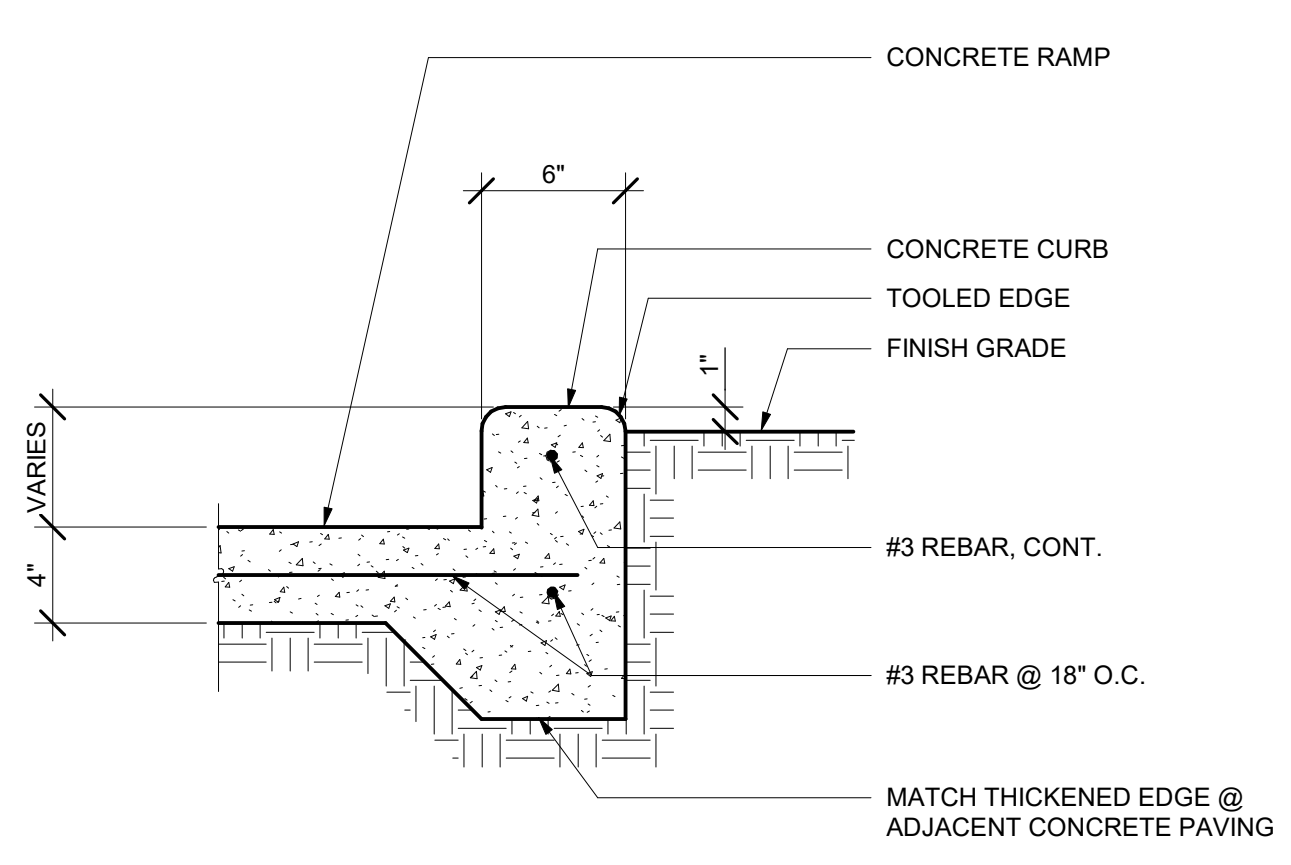
11 BLENDED TRANSITION
1 1/2" = 1'-0"



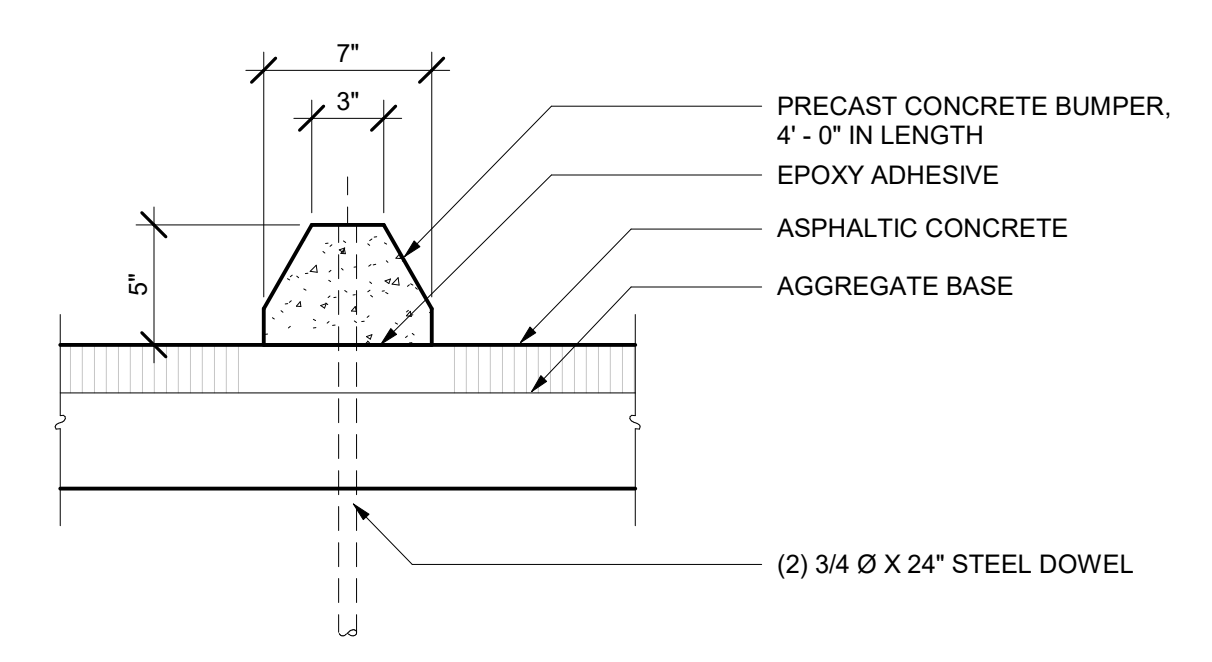
7 CURB RAMP
1/4" = 1'-0"



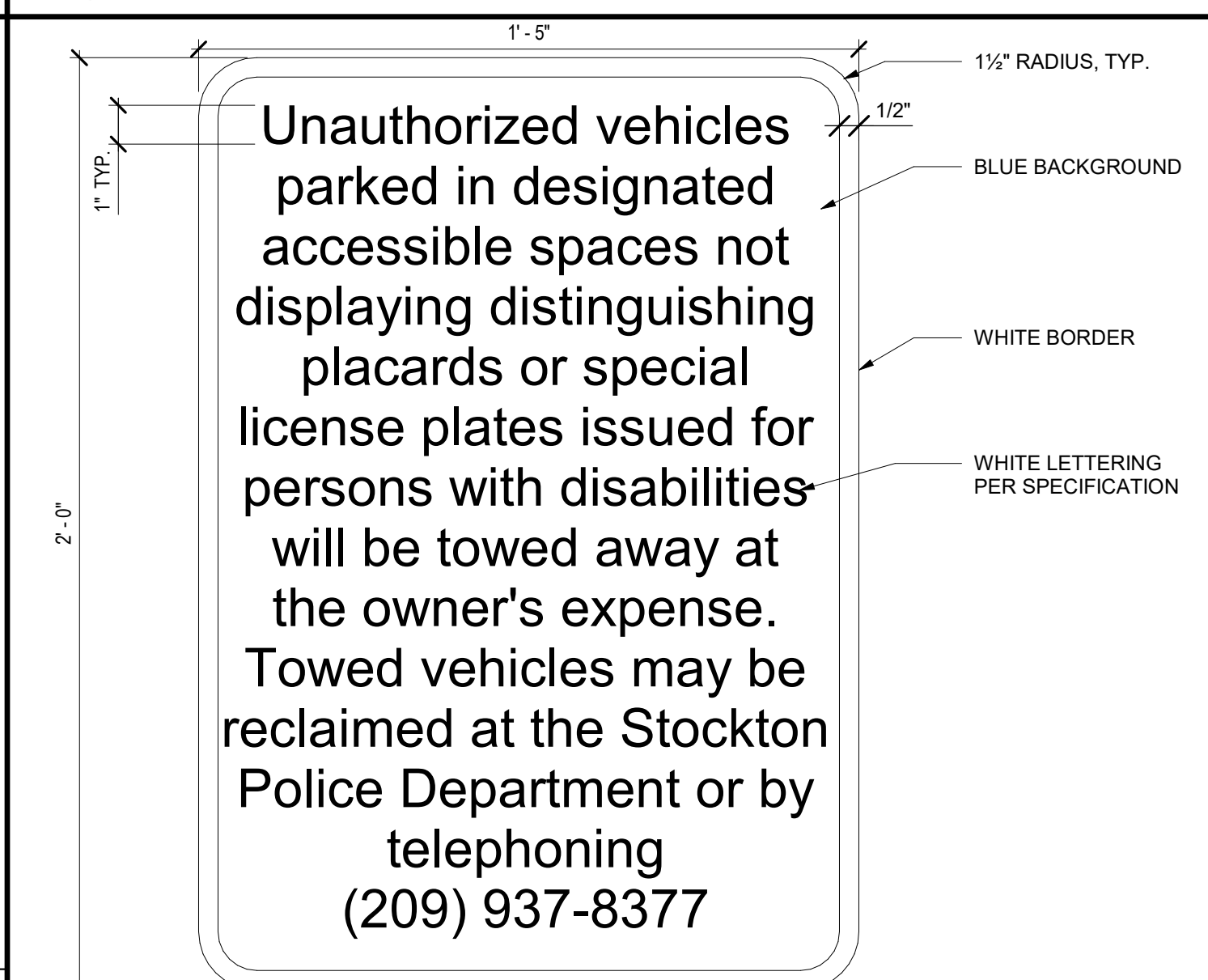
3 ENLARGED PARKING PLAN - IMPROVEMENT
1" = 10'-0"



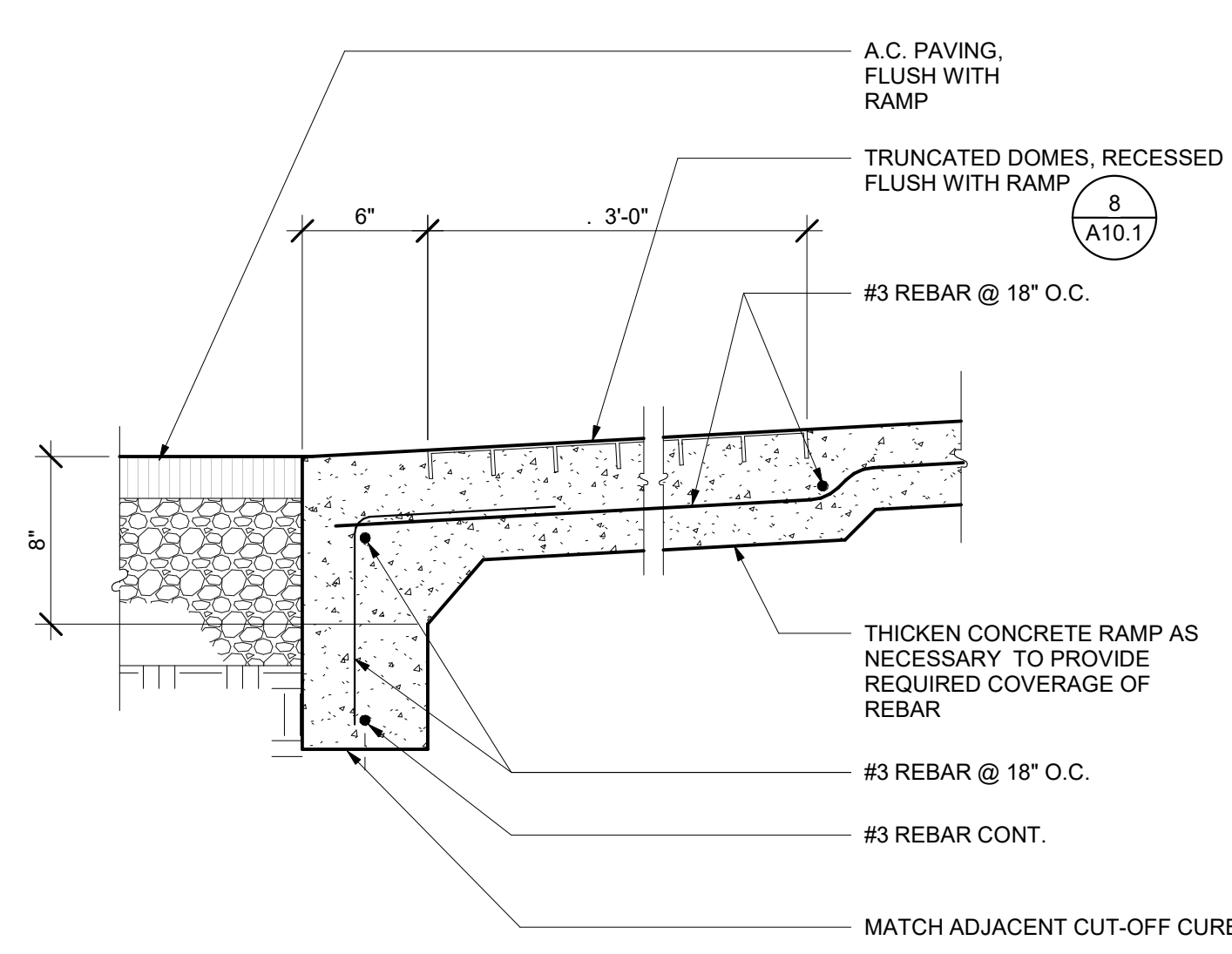
10 RETAINING CURB
1 1/2" = 1'-0"



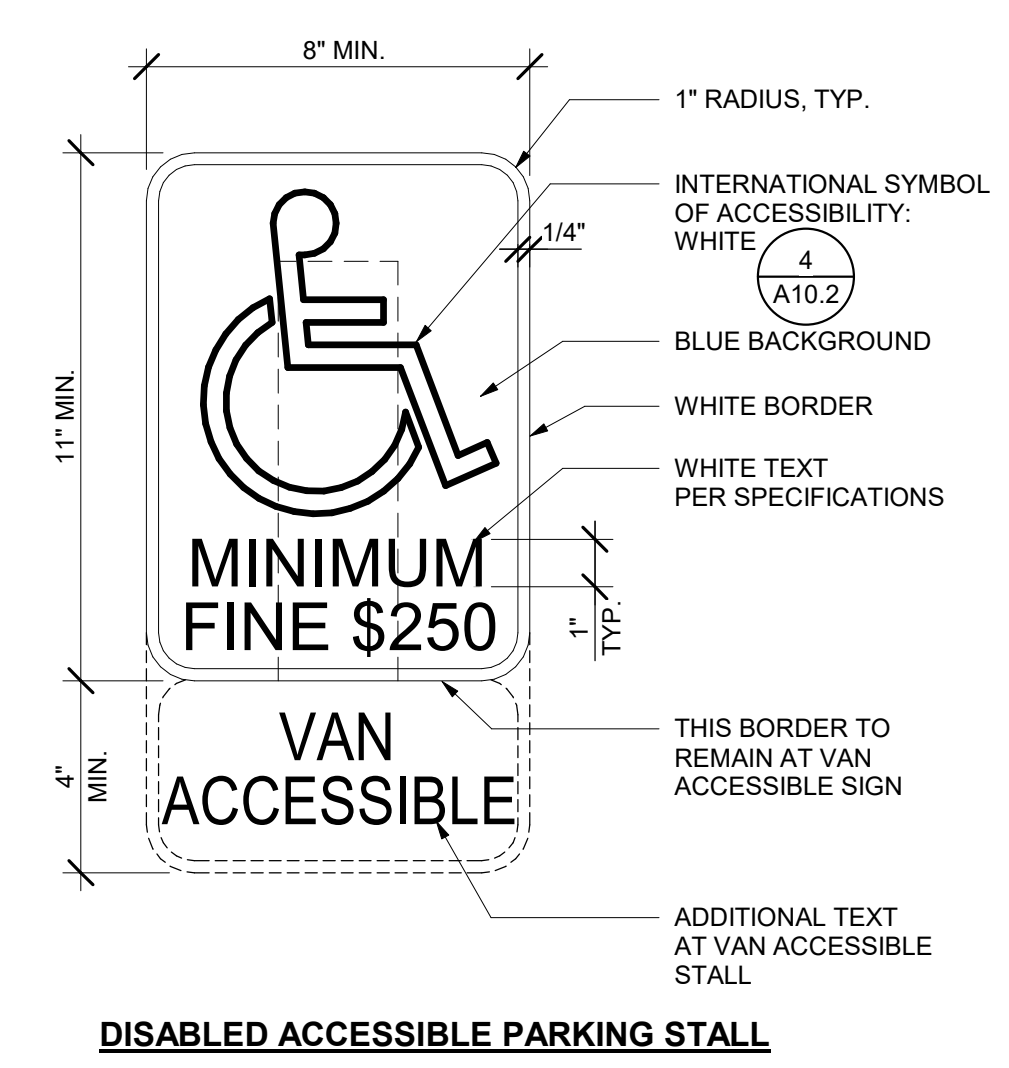
6 PRECAST CONCRETE BUMPER
1 1/2" = 1'-0"



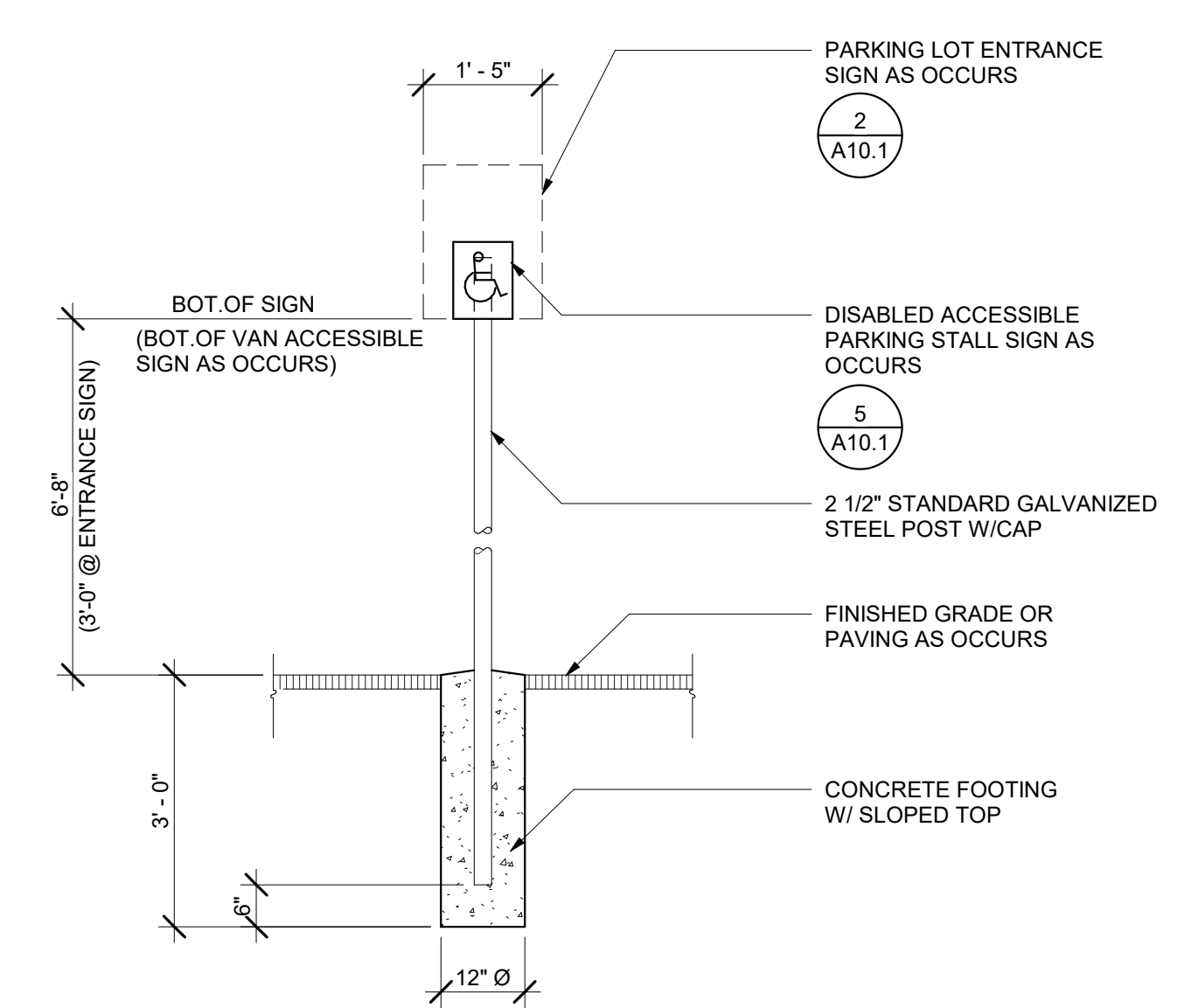
2 PARKING LOT ENTRANCE SIGN
3" = 1'-0"



9 CURB RAMP
1 1/2" = 1'-0"



5 PARKING SIGNAGE
3" = 1'-0"

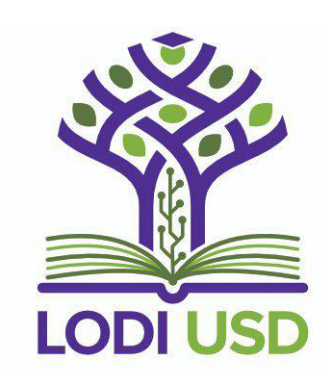


1 METAL SIGNS
1/2" = 1'-0"

AGENCY APPROVAL:

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APP: 02-121998 INC:
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SS ☒ FLS ☒ ACS ☒
DATE: 10/08/2024



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KEYNOTES

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JULIA MORGAN ELEMENTARY SCHOOL
3777 A.G. SPANOS BOULEVARD, STOCKTON, CA 95209

PROJECT:
LODI UNIFIED SCHOOL DISTRICT LUNCH SHELTERS -
JULIA MORGAN ELEMENTARY SCHOOL

SHEET NAME:
SITE DETAILS

CONSTRUCTION DOCUMENTS

DATE: 11/21/2023
CLIENT PROJ NO:

SHEET:

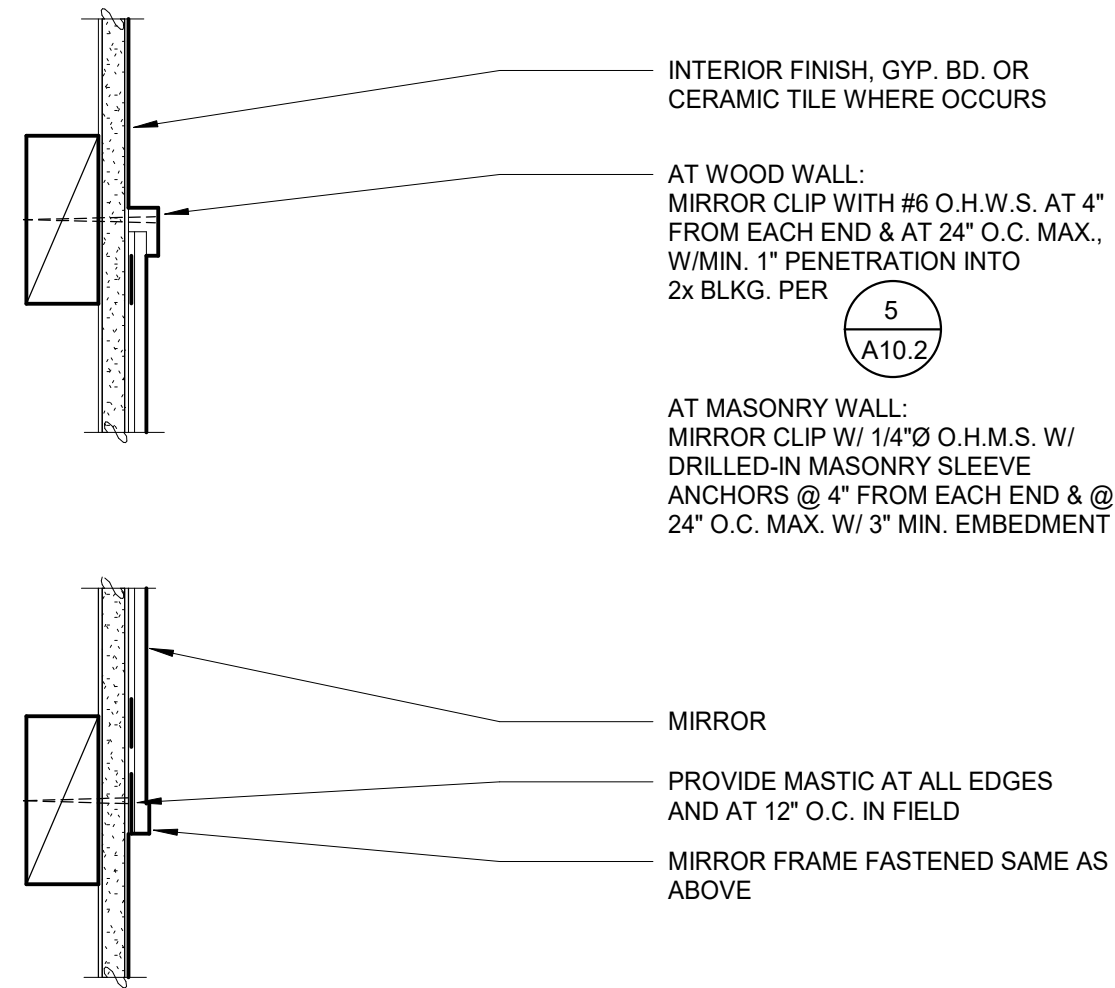
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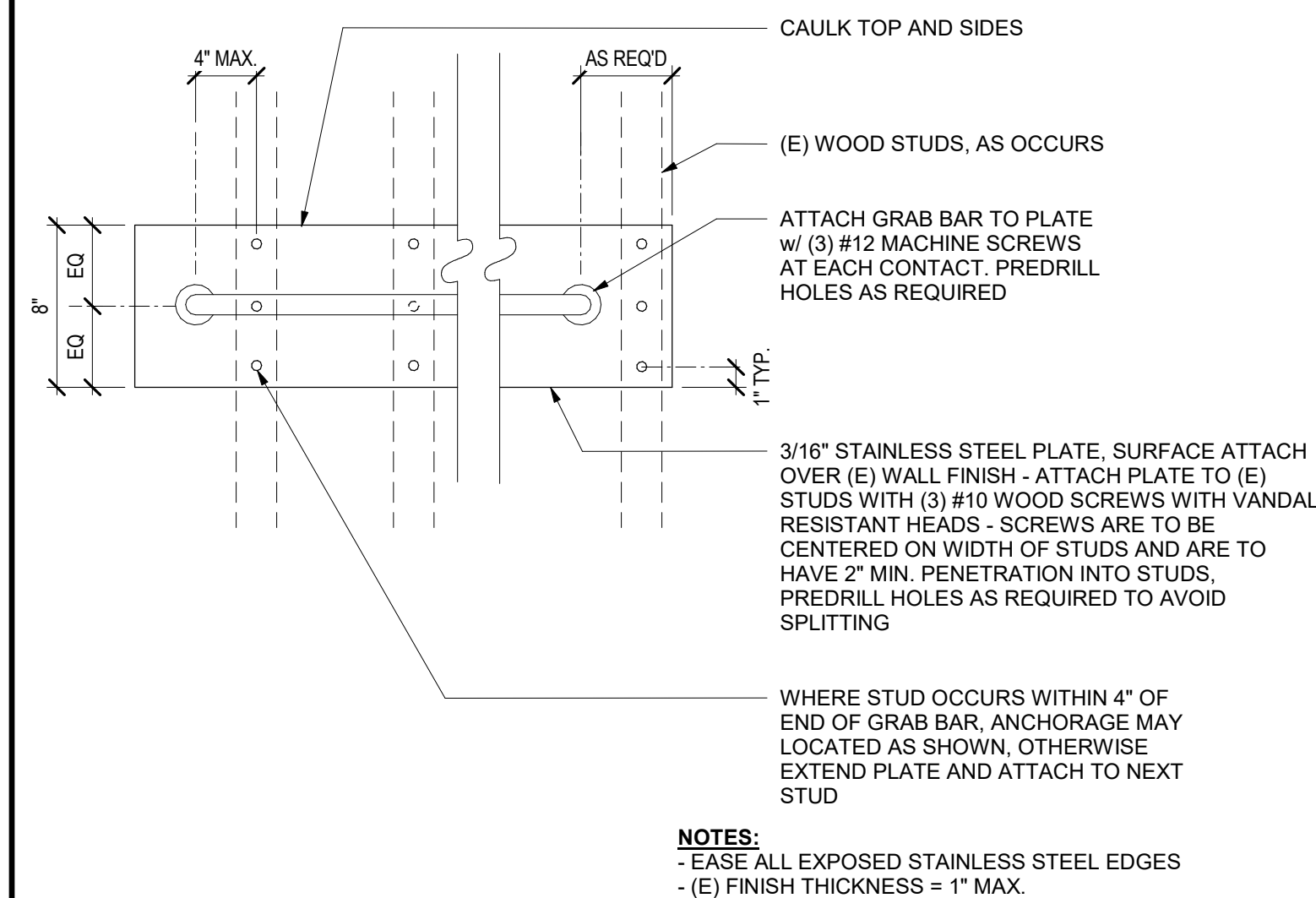
9 MIRROR ATTACHMENT

3" = 1'-0"



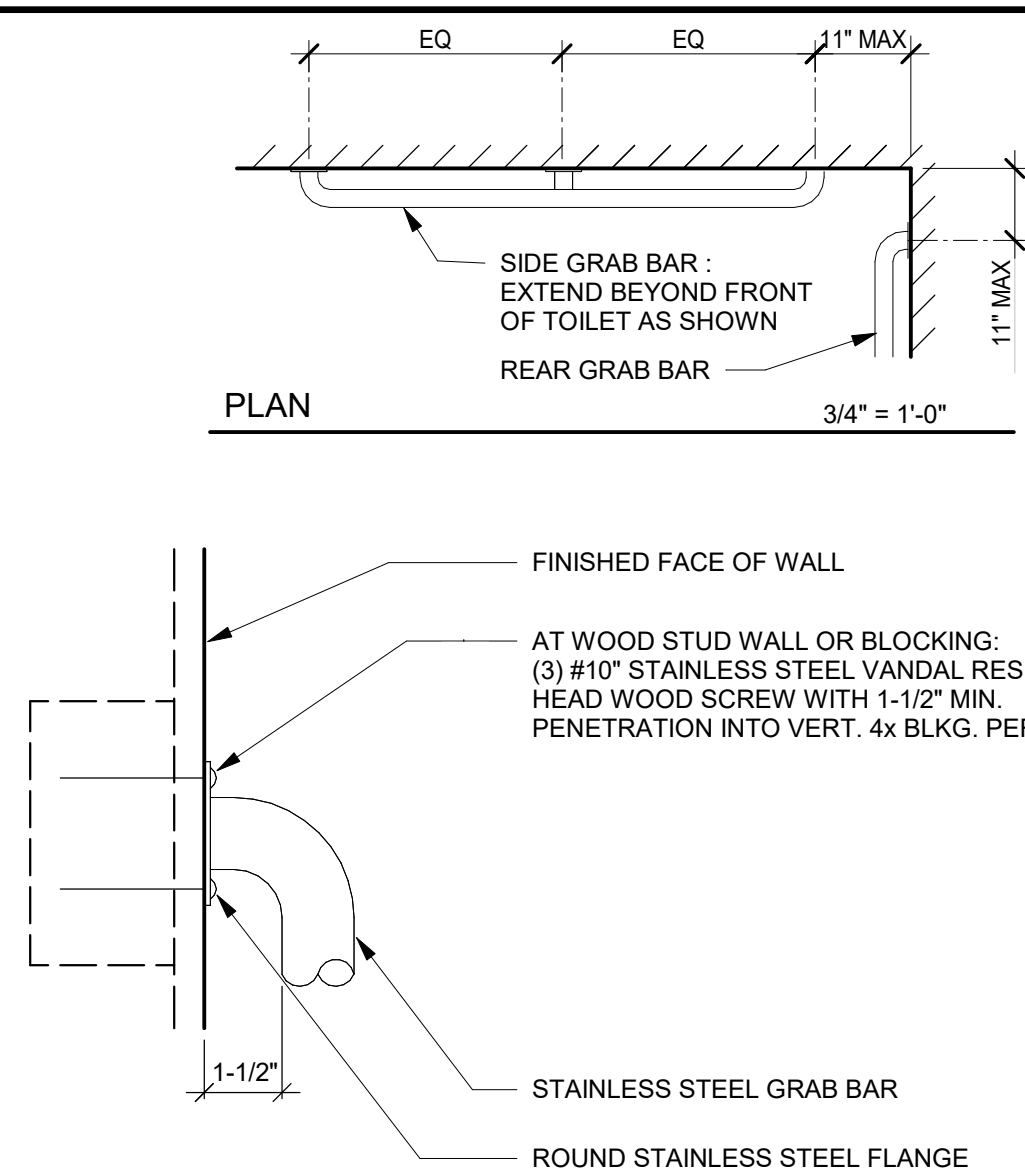
8 GRAB BAR - STAINLESS STEEL PLATE

1 1/2" = 1'-0"



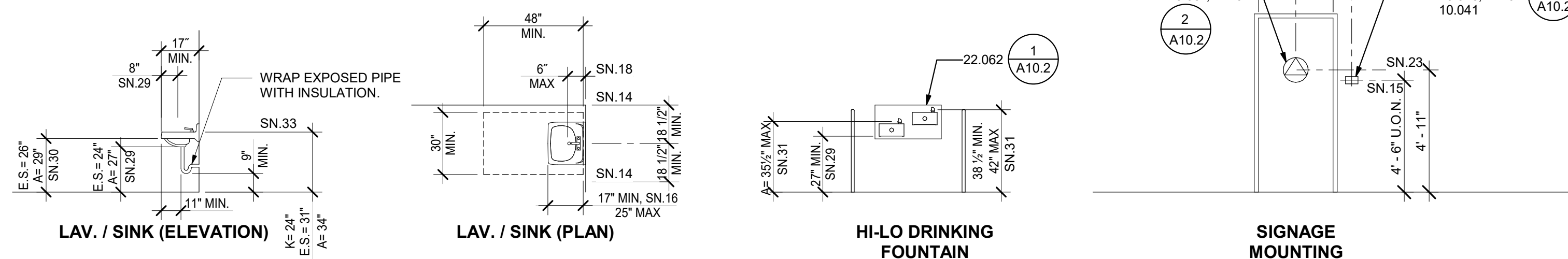
7 TYPICAL GRAB BAR AT WALL

3" = 1'-0"

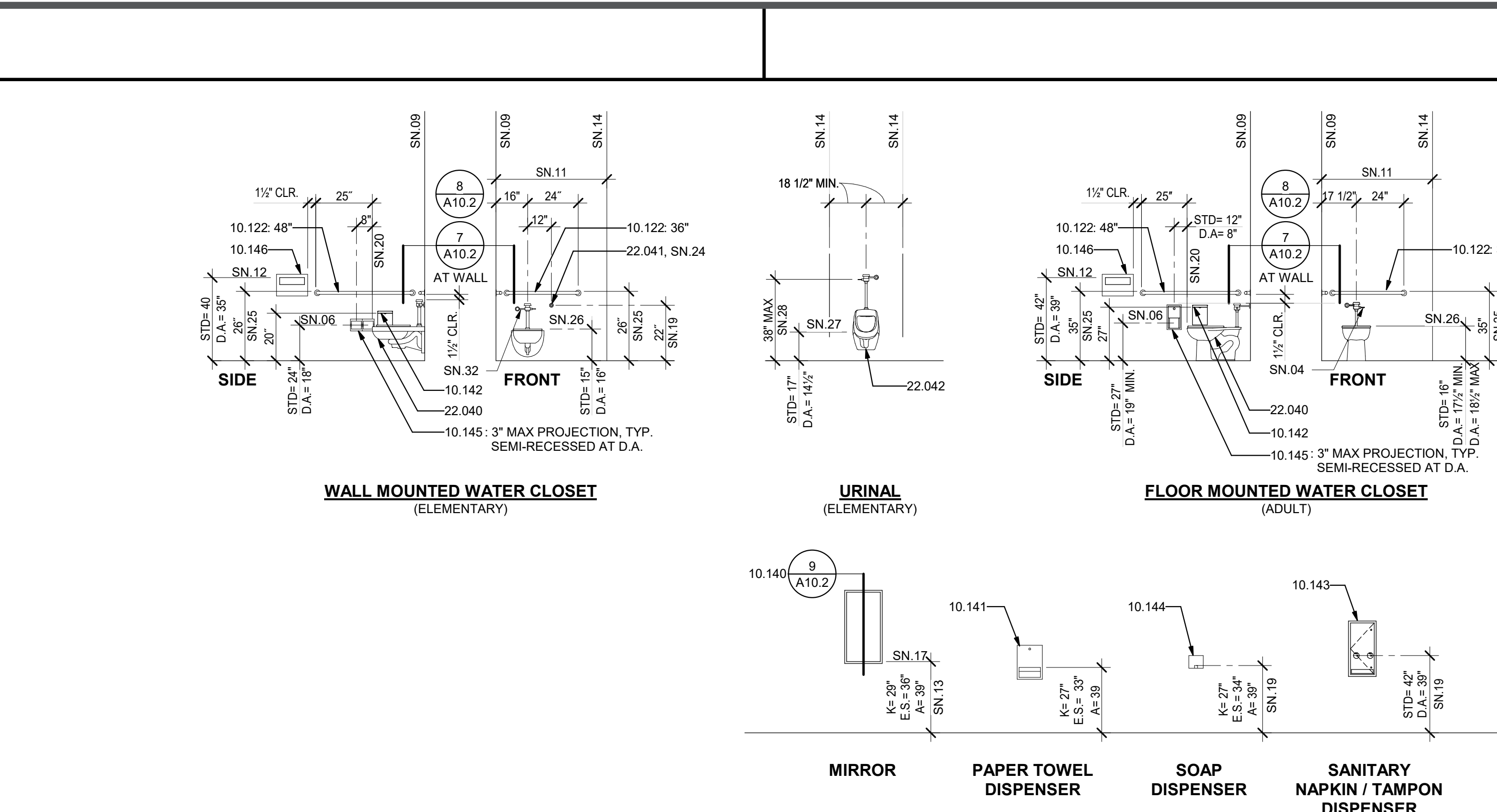


6 TYPICAL MOUNTING HEIGHTS AND DETAILS

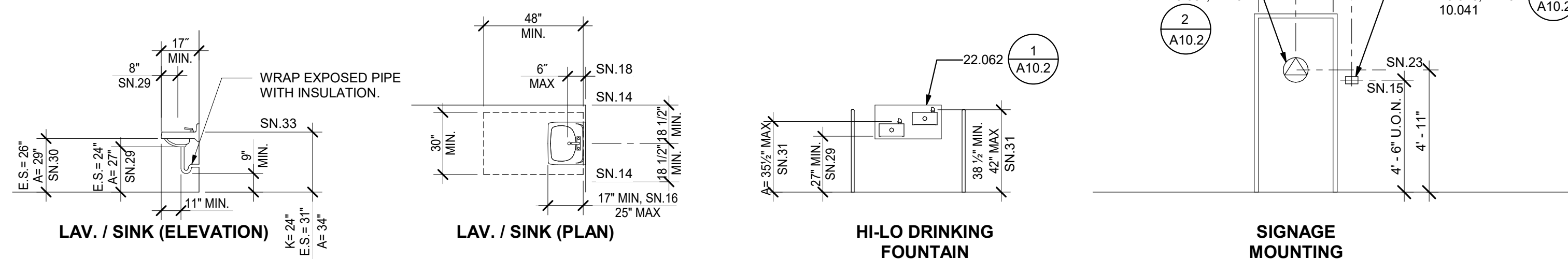
1/4" = 1'-0"



ACCESSORY HEIGHTS

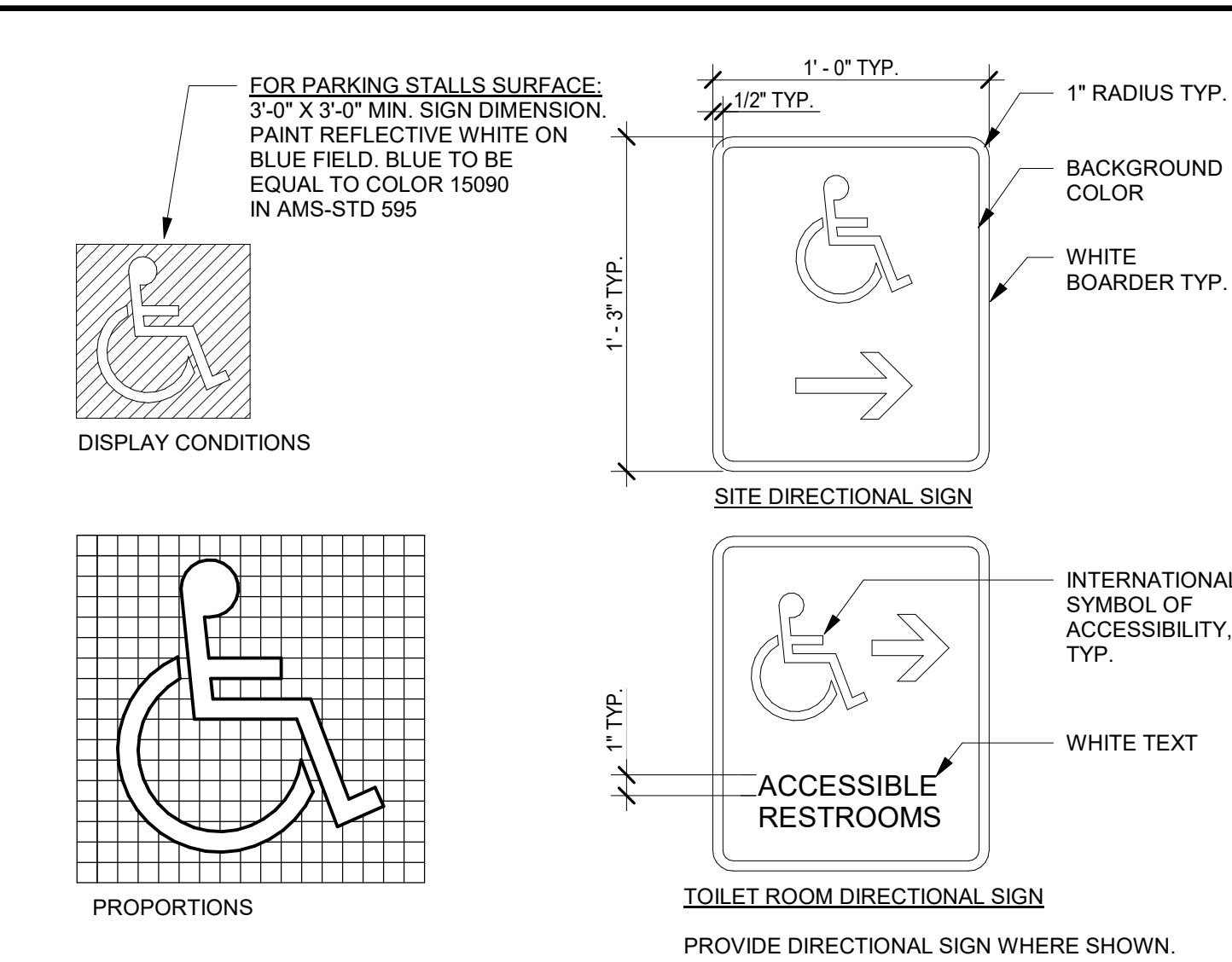


FIXTURE AND FURNITURE EQUIPMENT HEIGHTS



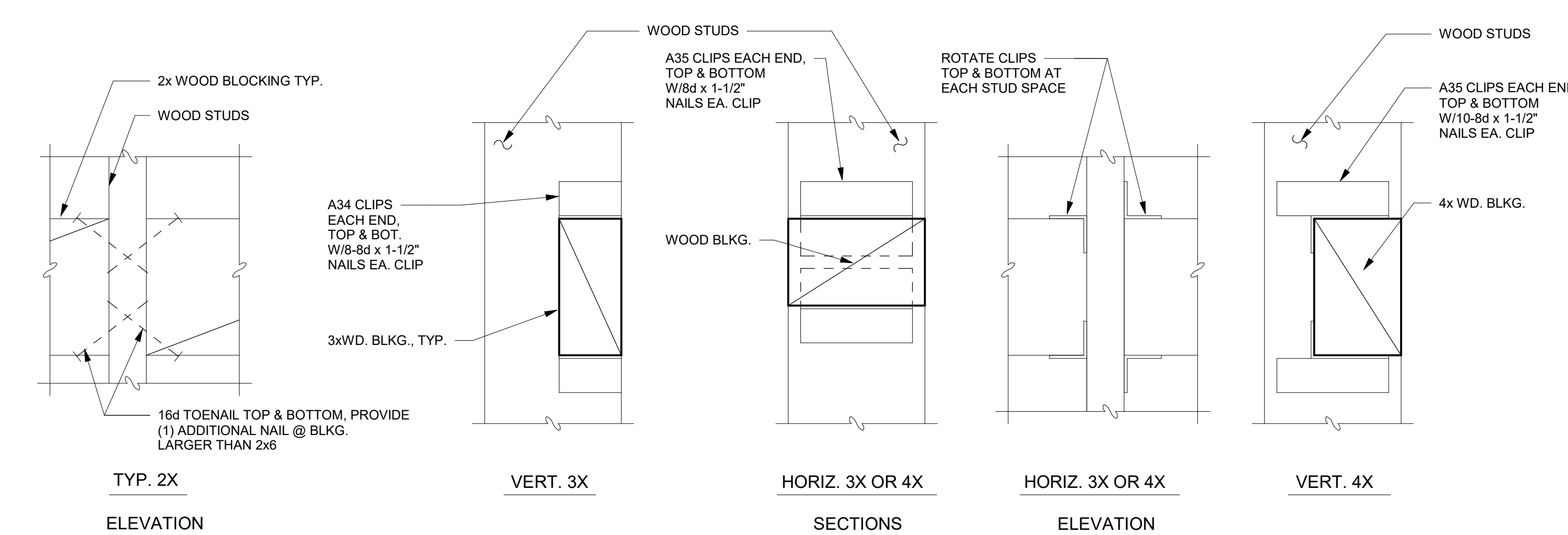
4 SYMBOL OF ACCESSIBILITY

NOT TO SCALE



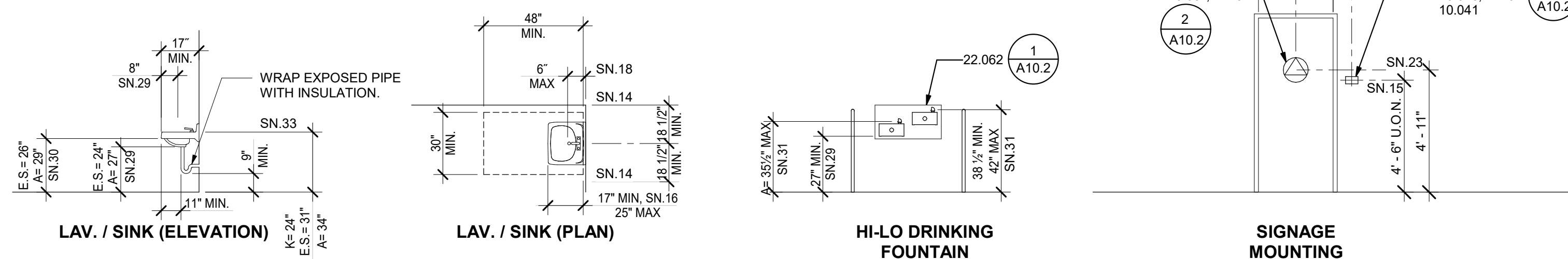
5 TYPICAL WOOD BLOCKING

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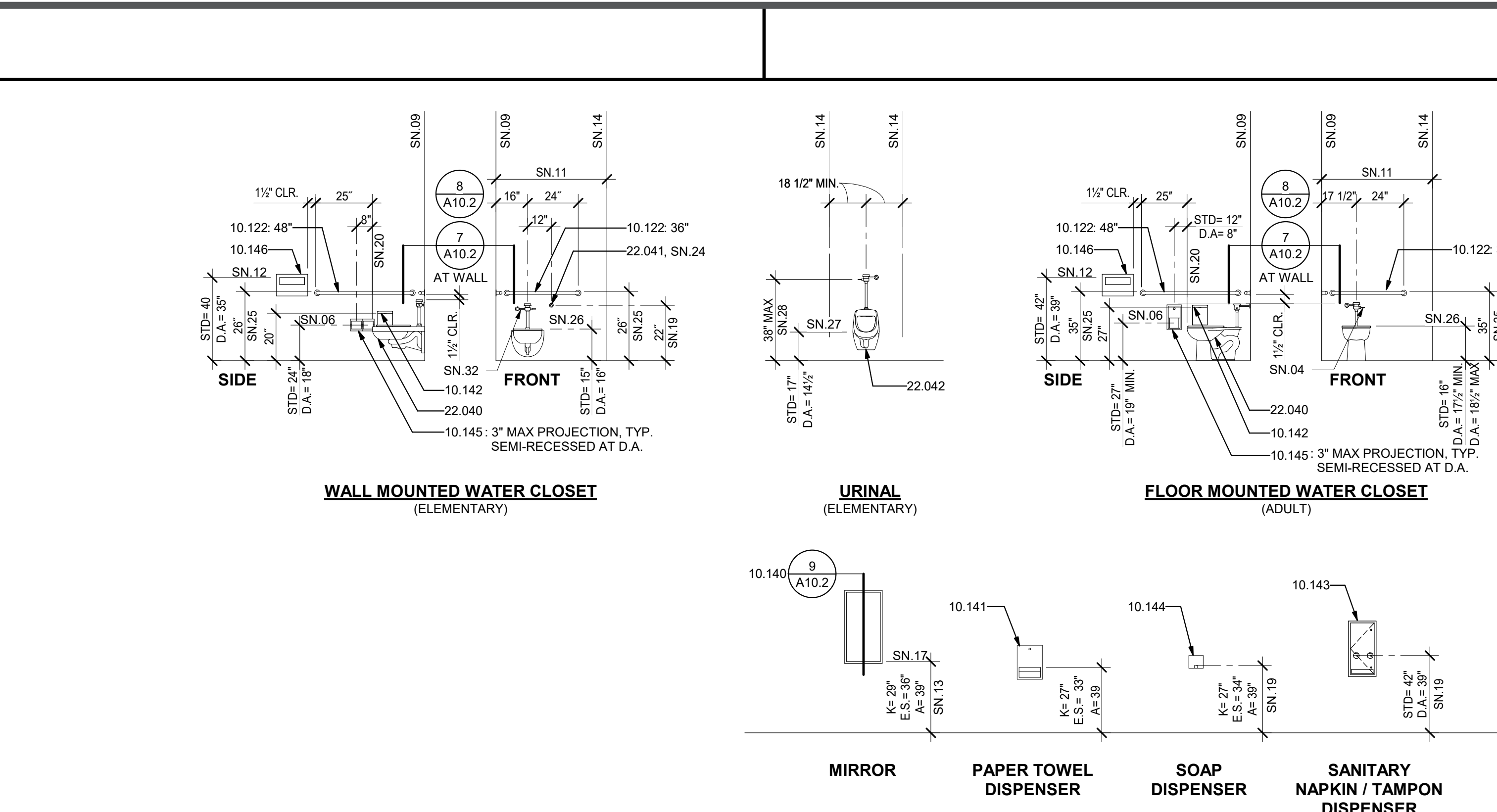


6 TYPICAL MOUNTING HEIGHTS AND DETAILS

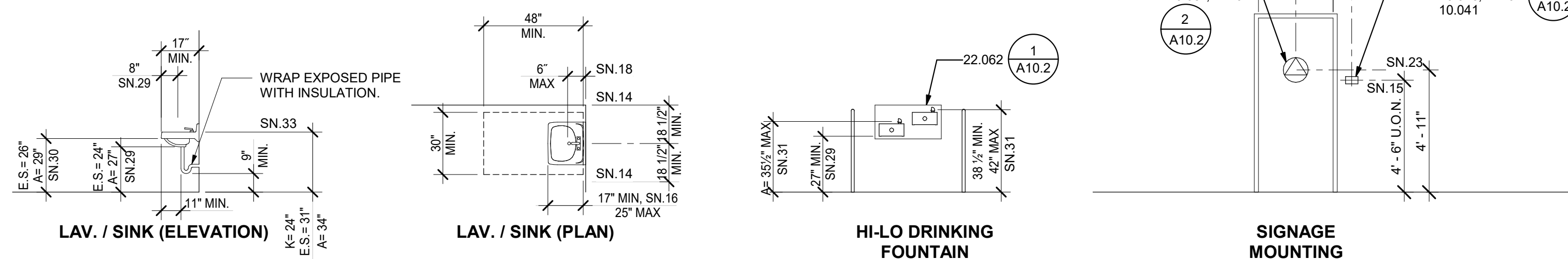
1/4" = 1'-0"



ACCESSORY HEIGHTS

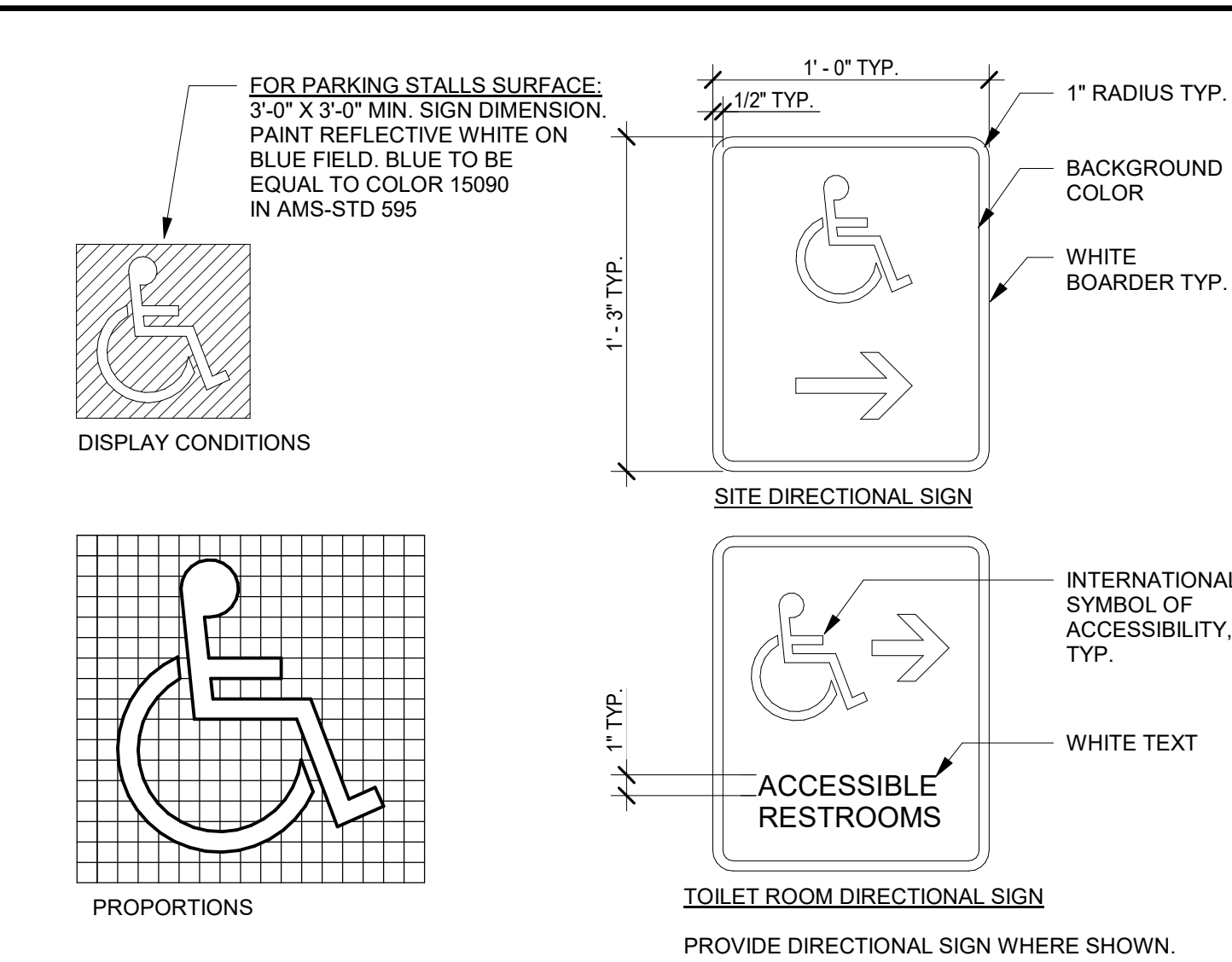


FIXTURE AND FURNITURE EQUIPMENT HEIGHTS



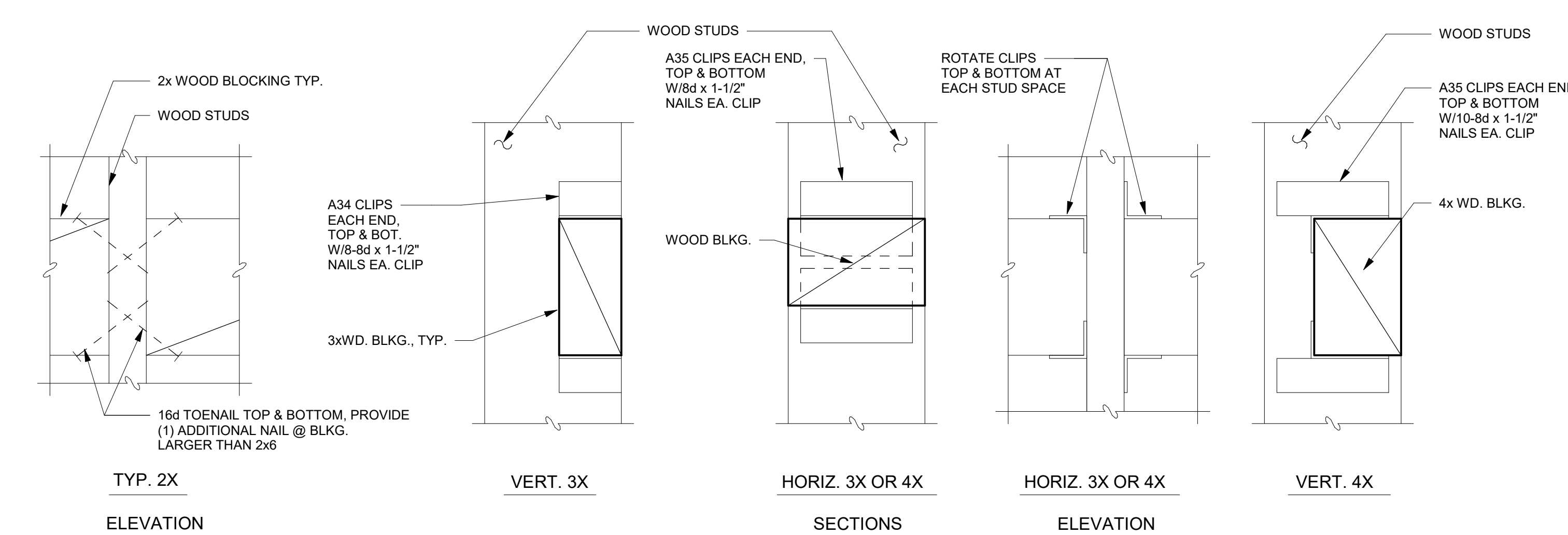
4 SYMBOL OF ACCESSIBILITY

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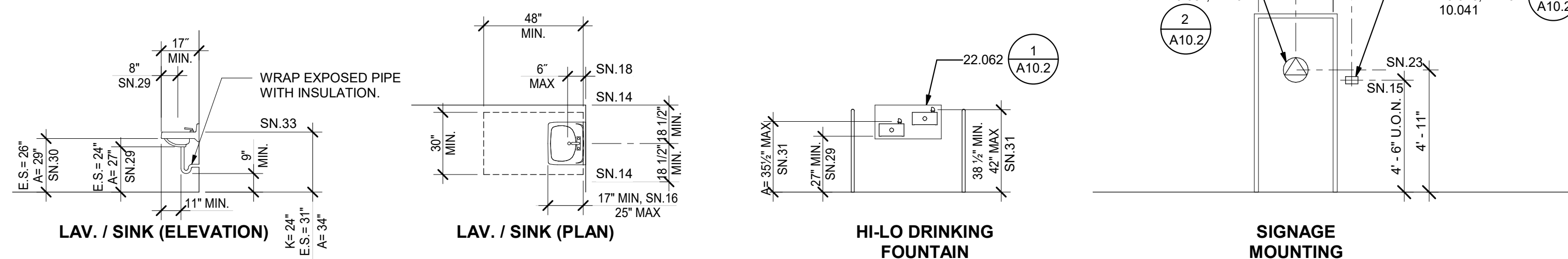
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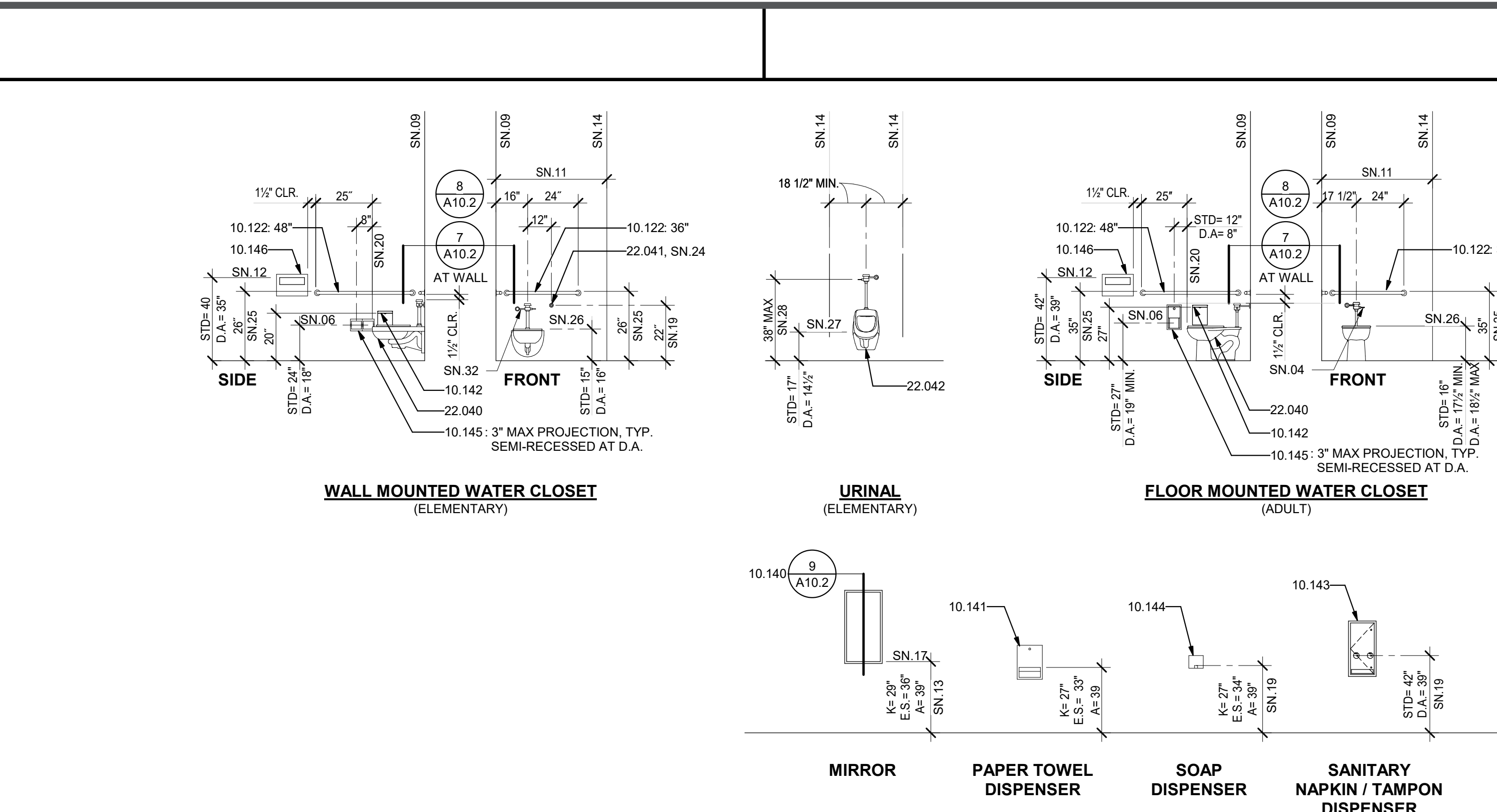


6 TYPICAL MOUNTING HEIGHTS AND DETAILS

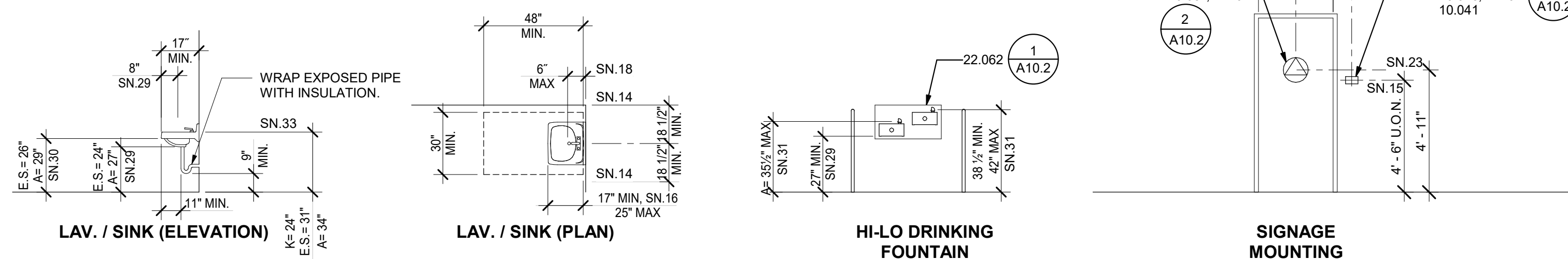
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ACCESSORY HEIGHTS

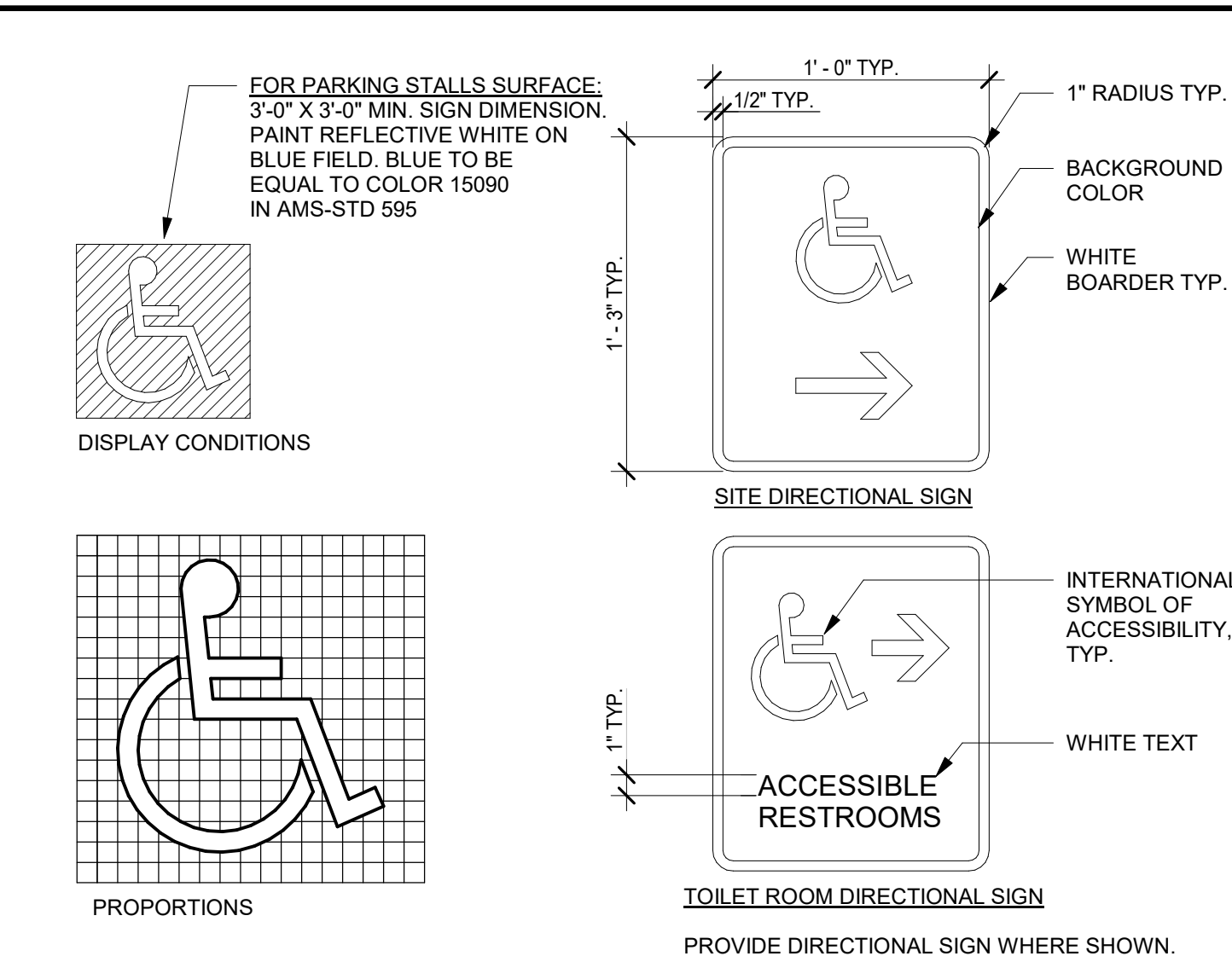


FIXTURE AND FURNITURE EQUIPMENT HEIGHTS



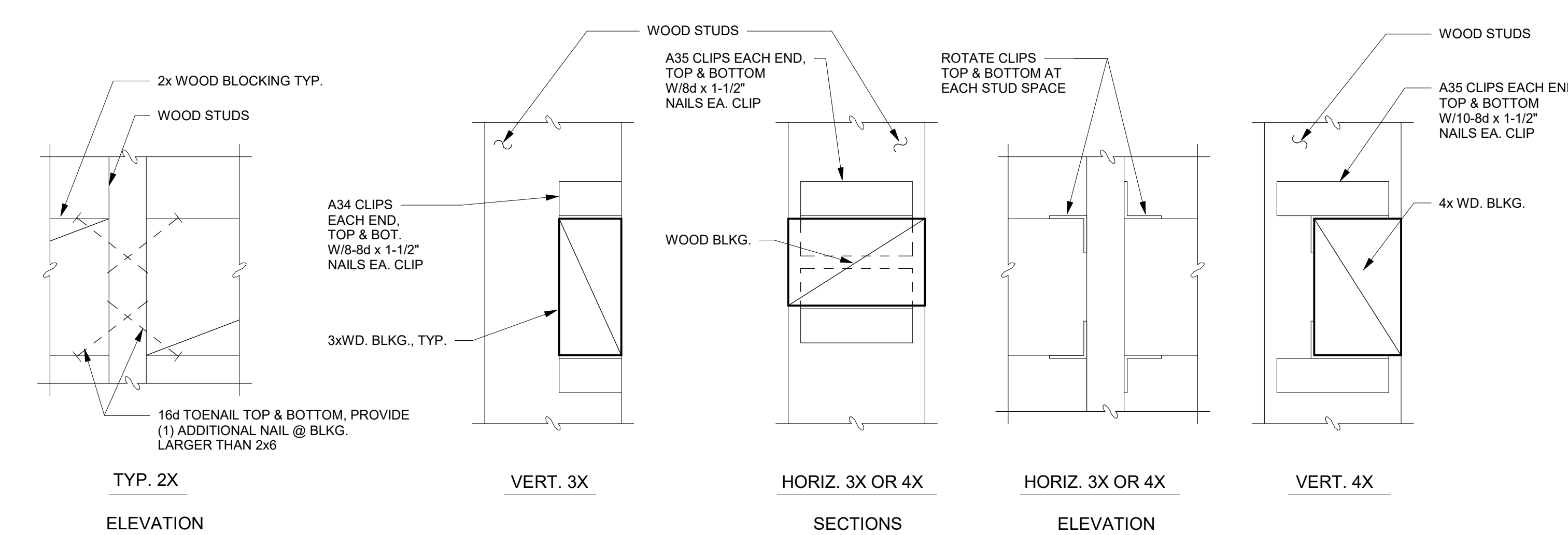
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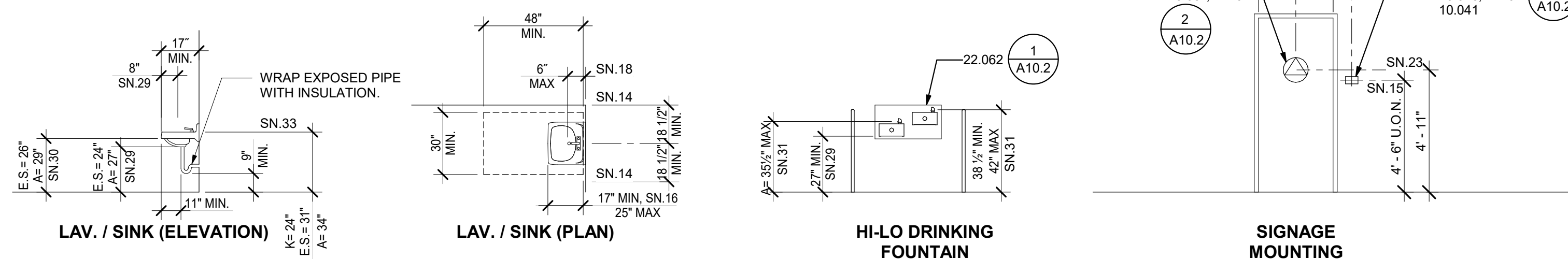
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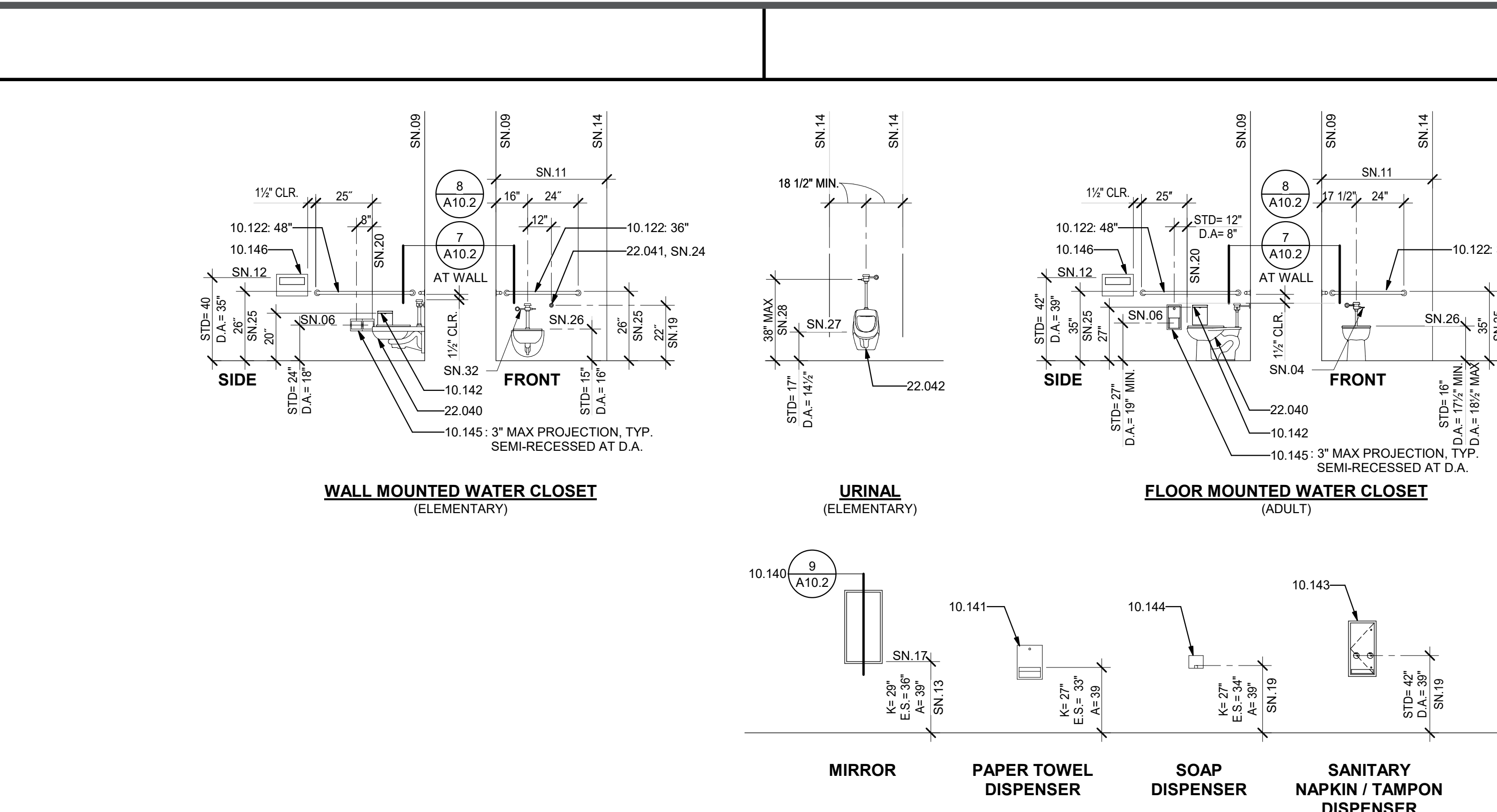


6 TYPICAL MOUNTING HEIGHTS AND DETAILS

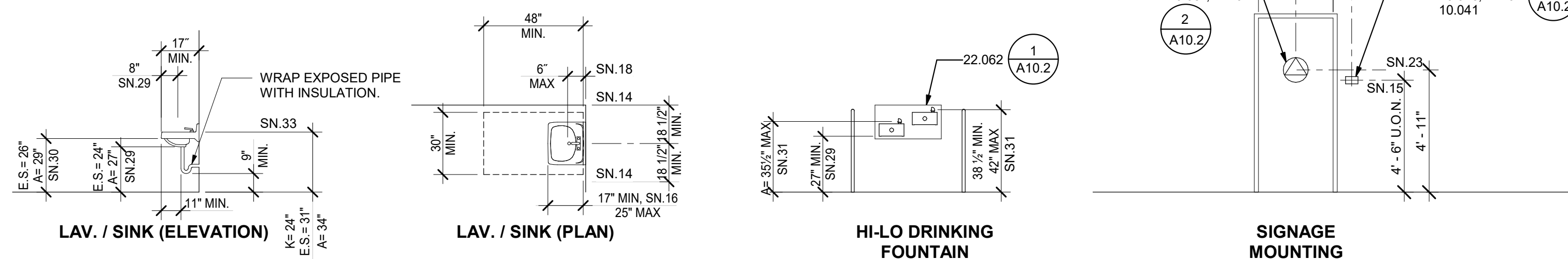
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ACCESSORY HEIGHTS

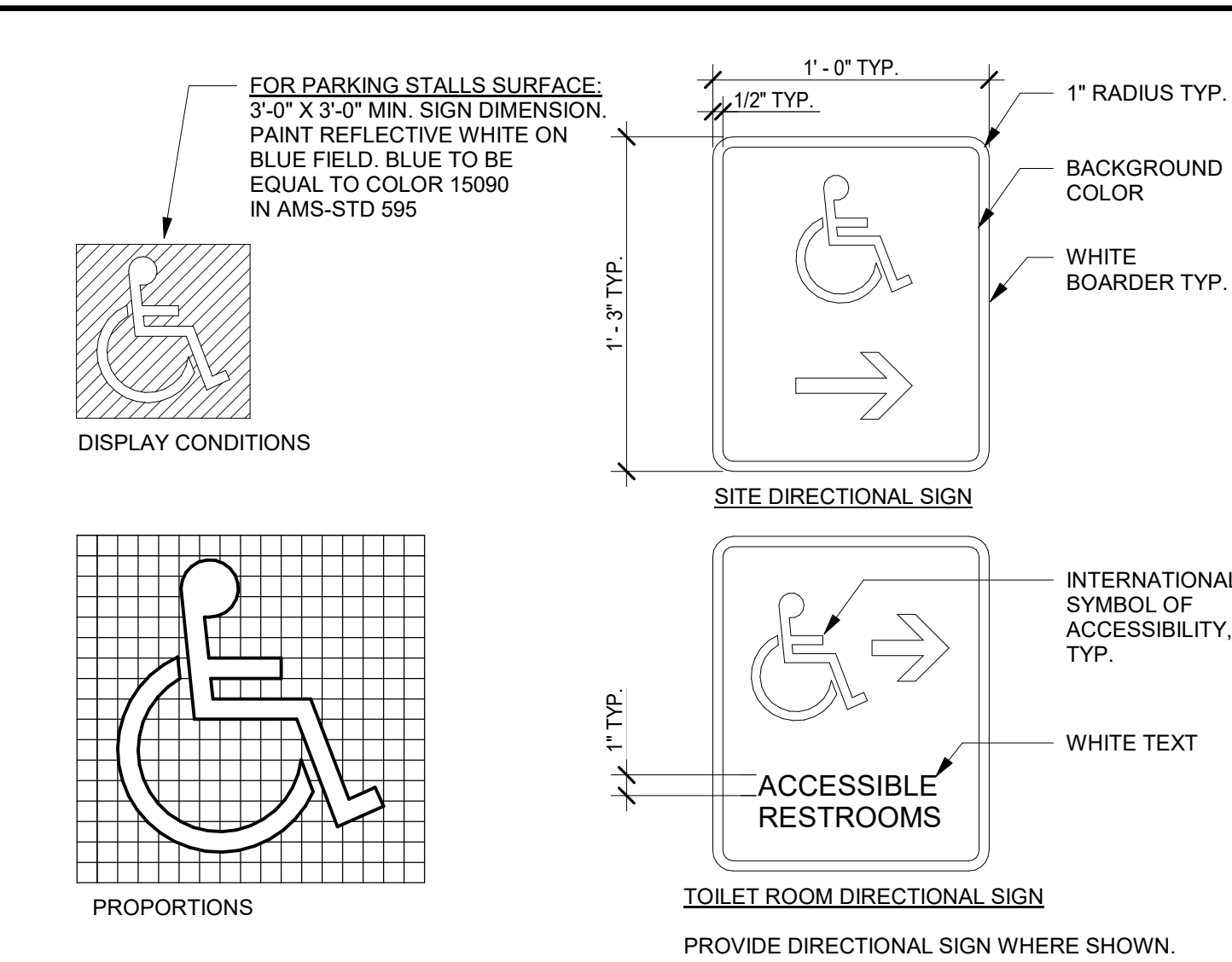


FIXTURE AND FURNITURE EQUIPMENT HEIGHTS



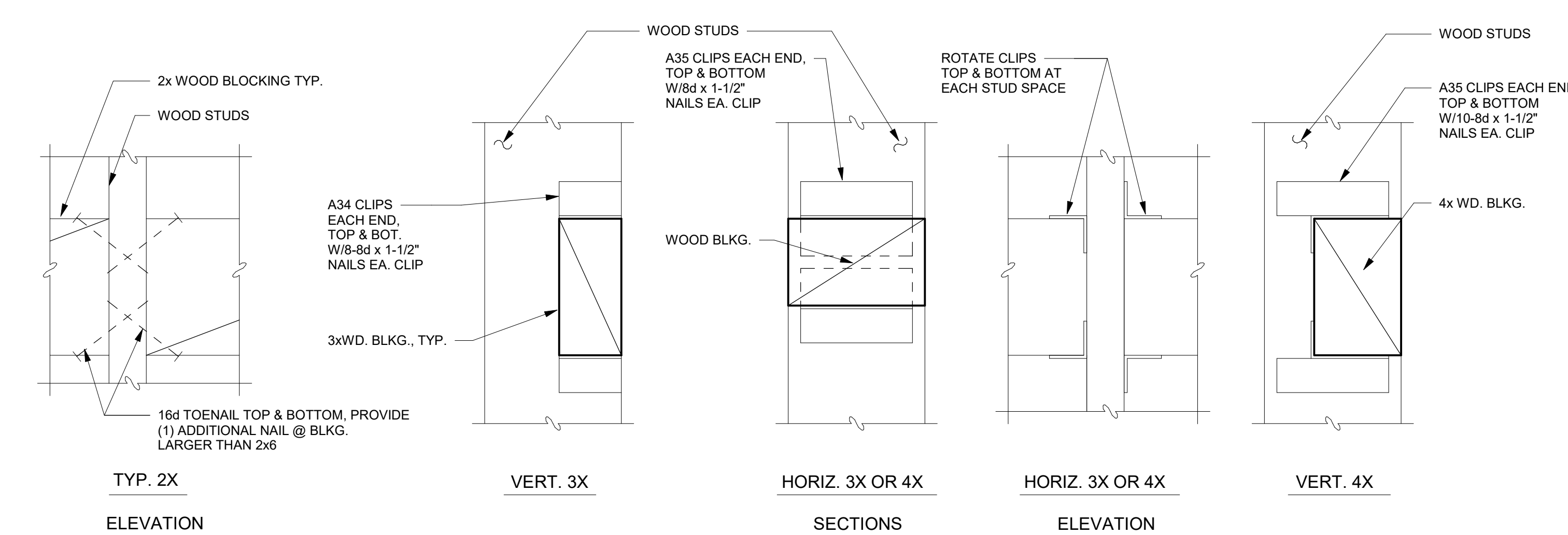
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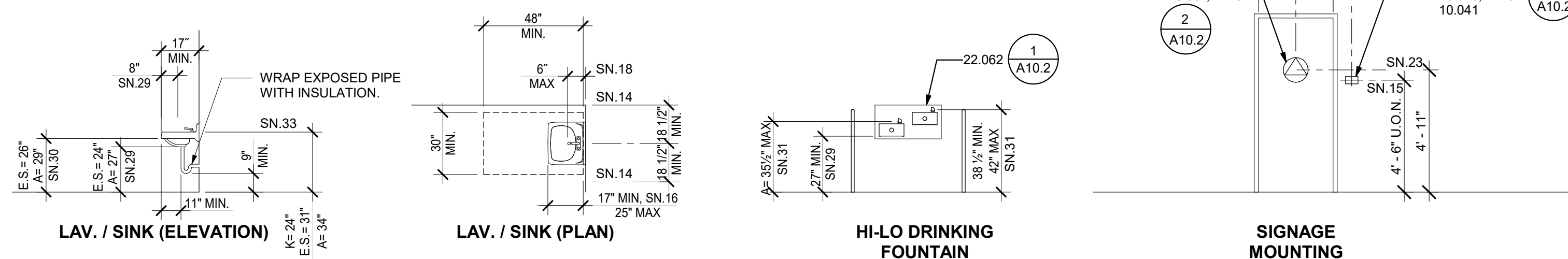
5 TYPICAL WOOD BLOCKING

3" = 1'-0"

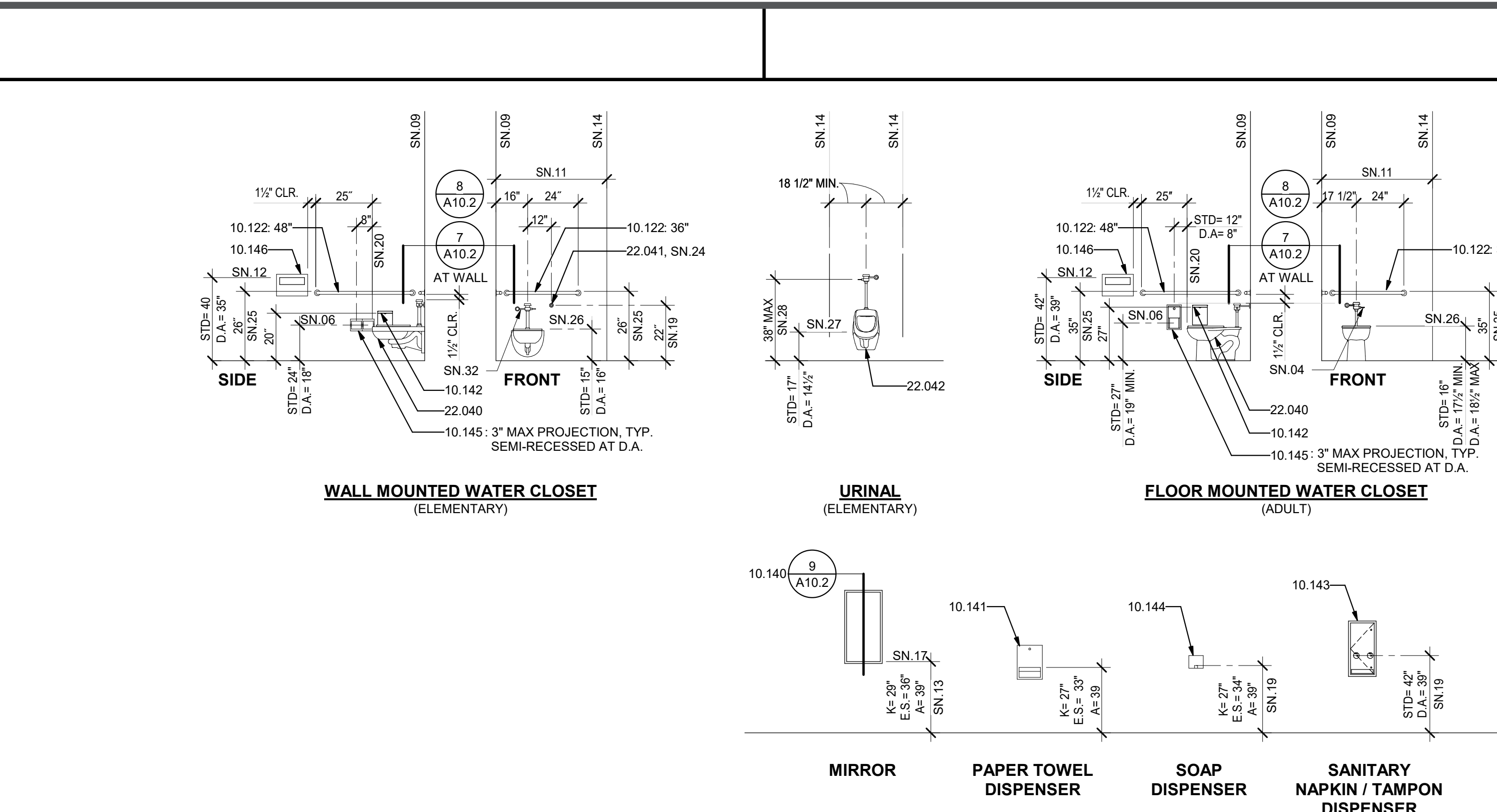


6 TYPICAL MOUNTING HEIGHTS AND DETAILS

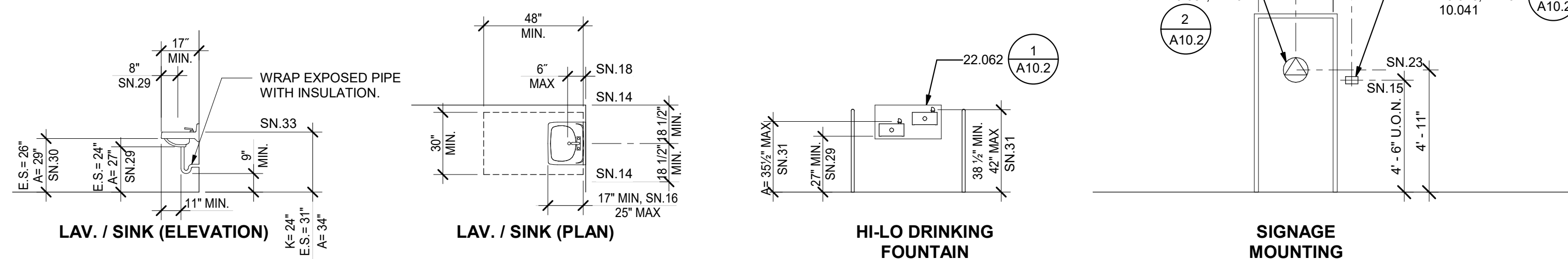
1/4" = 1'-0"



ACCESSORY HEIGHTS

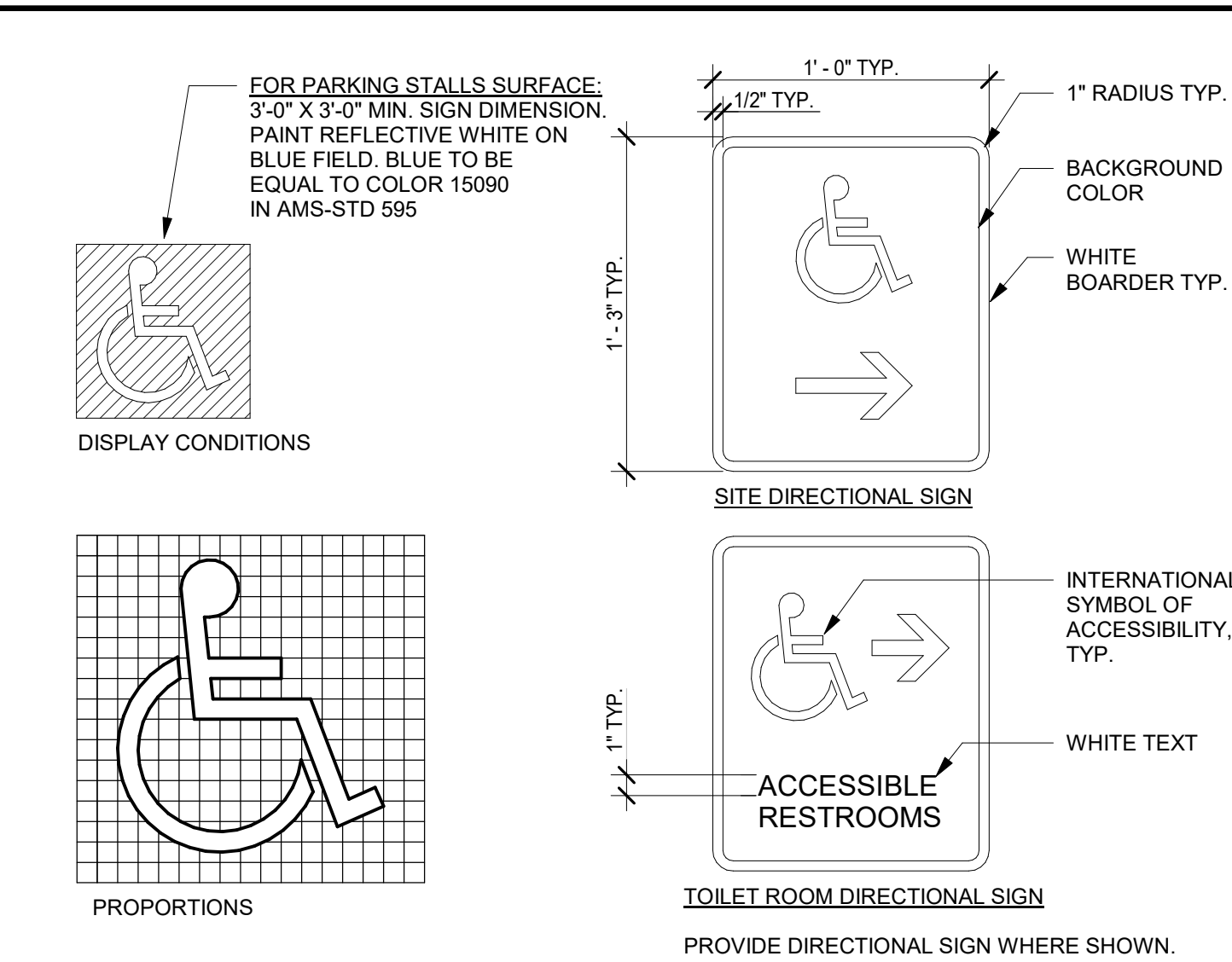


FIXTURE AND FURNITURE EQUIPMENT HEIGHTS



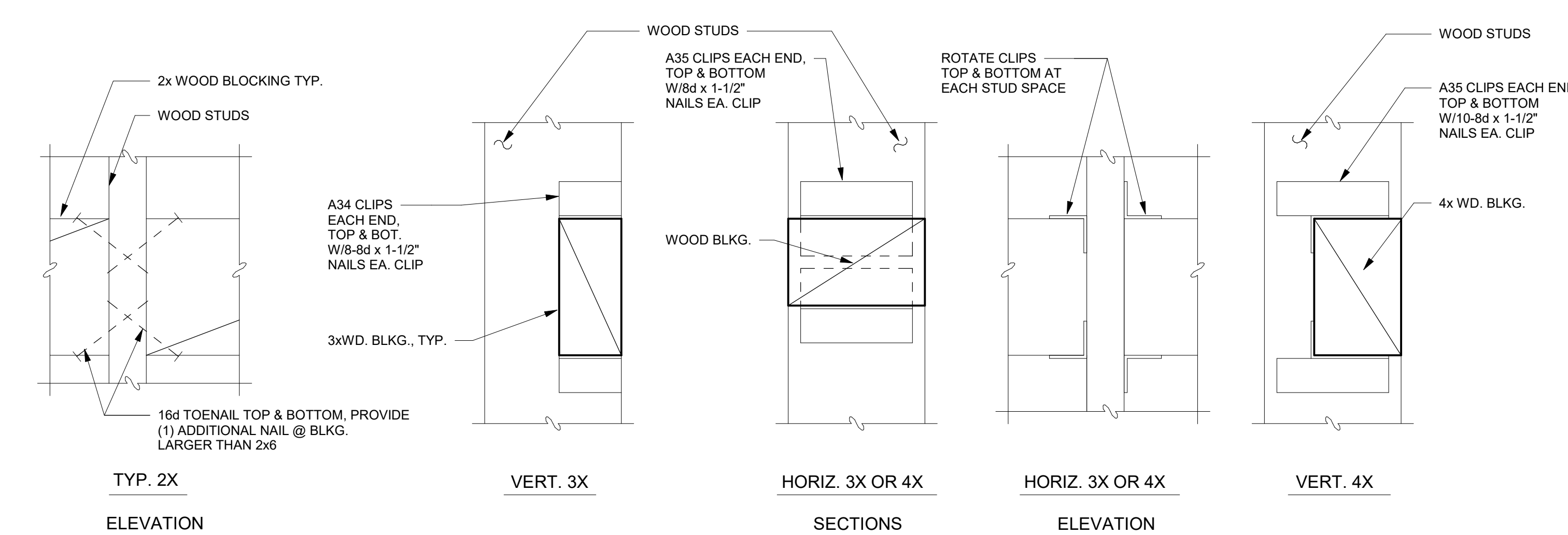
4 SYMBOL OF ACCESSIBILITY

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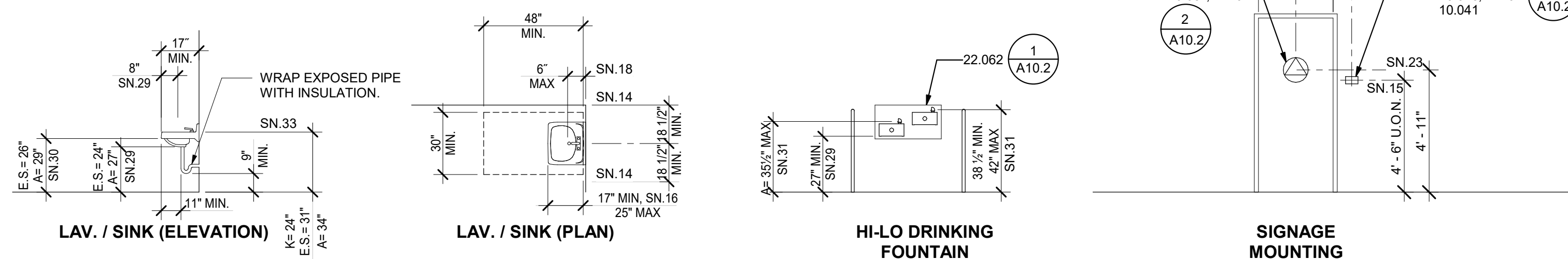
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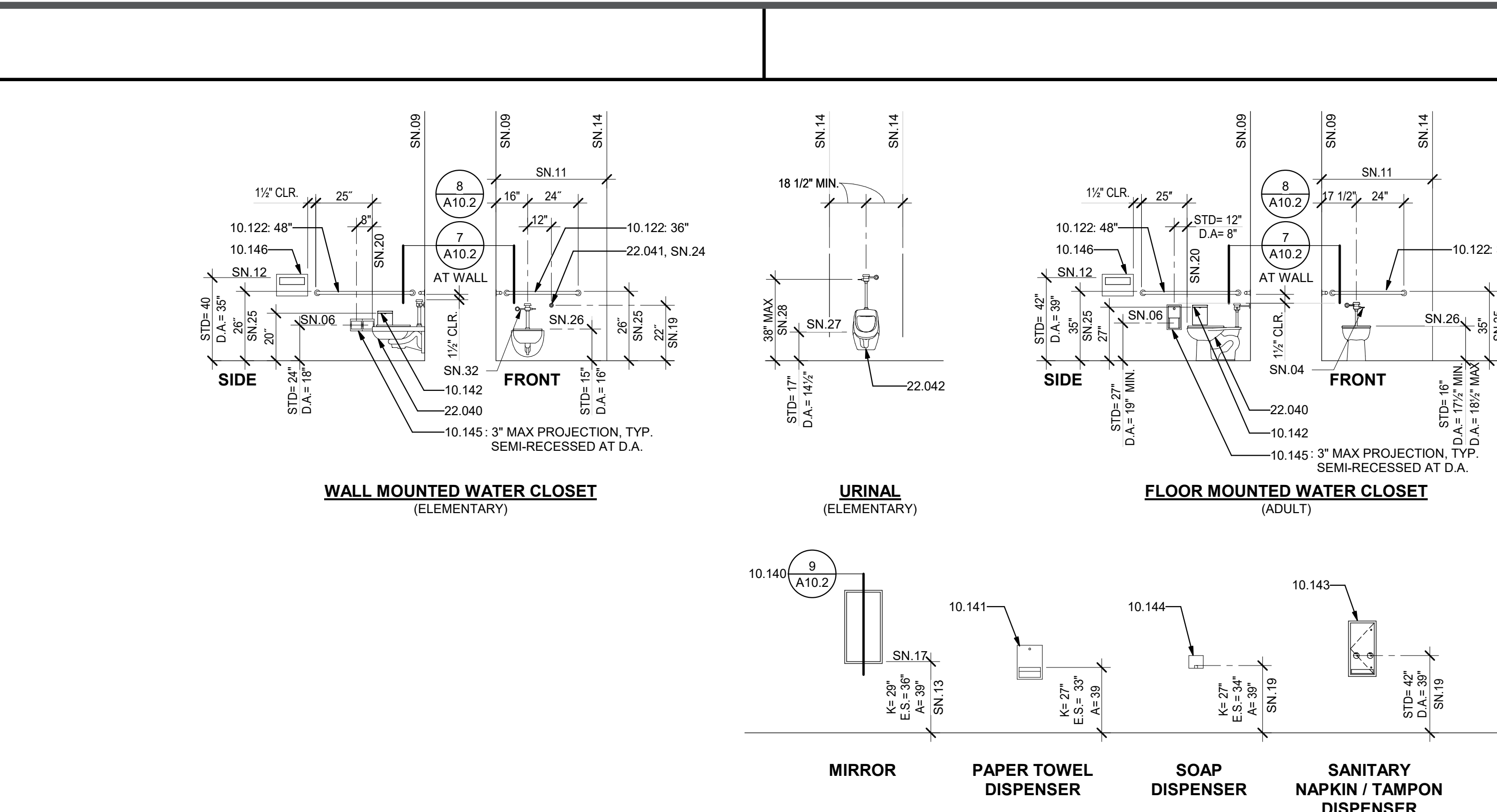


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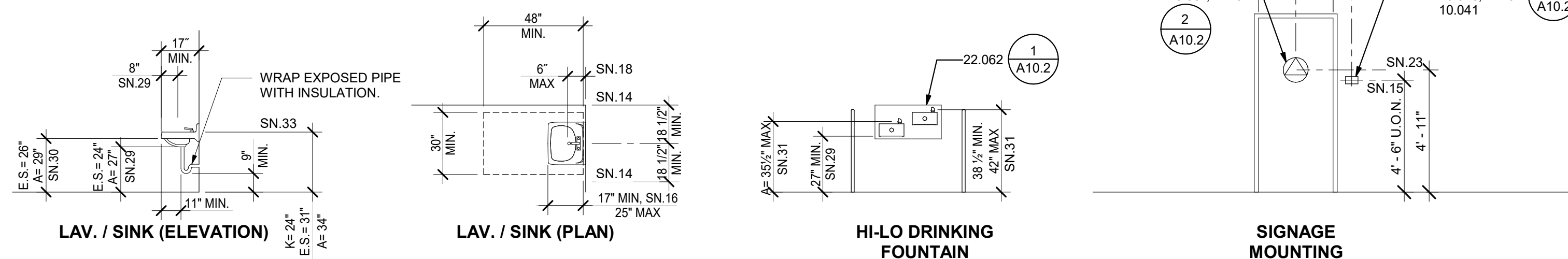
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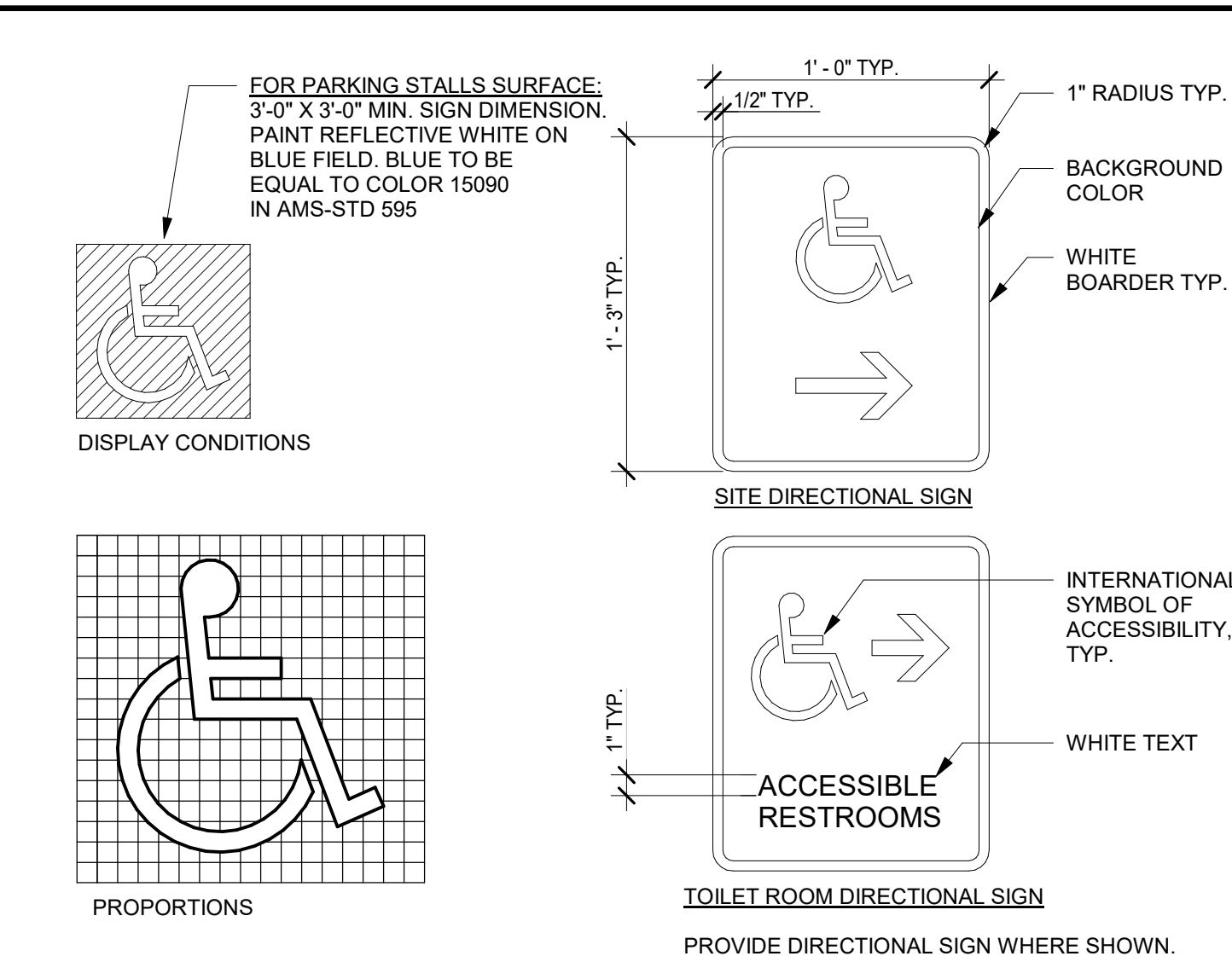


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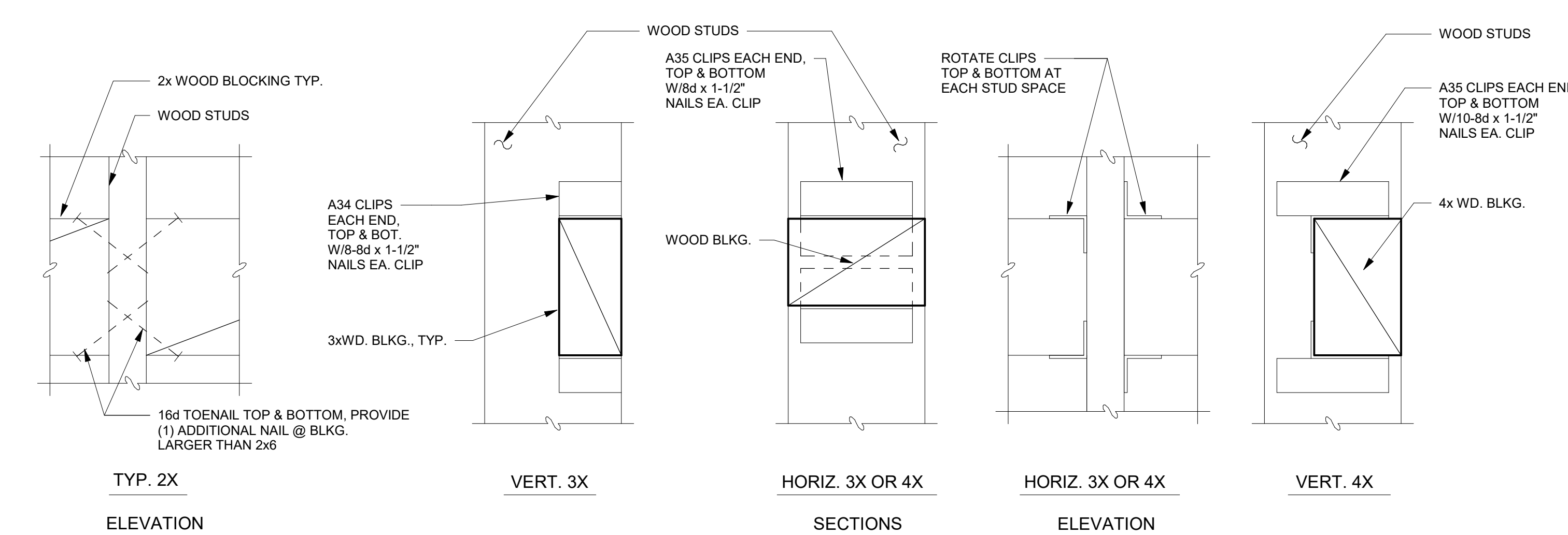
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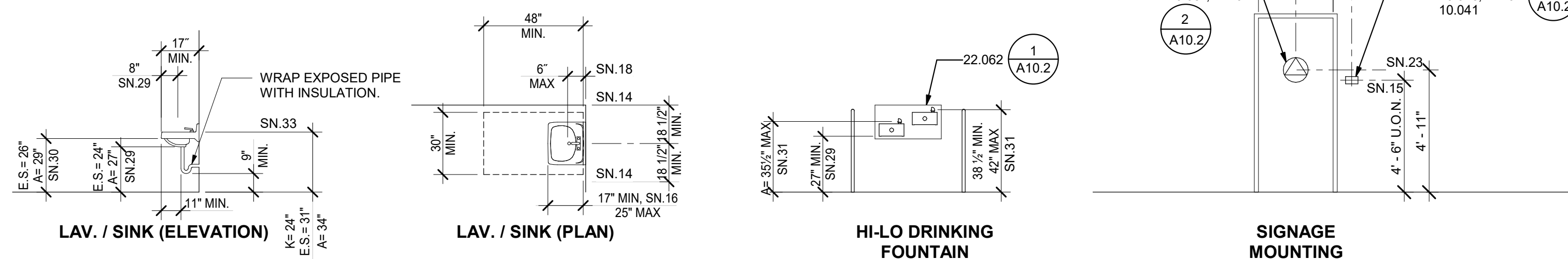
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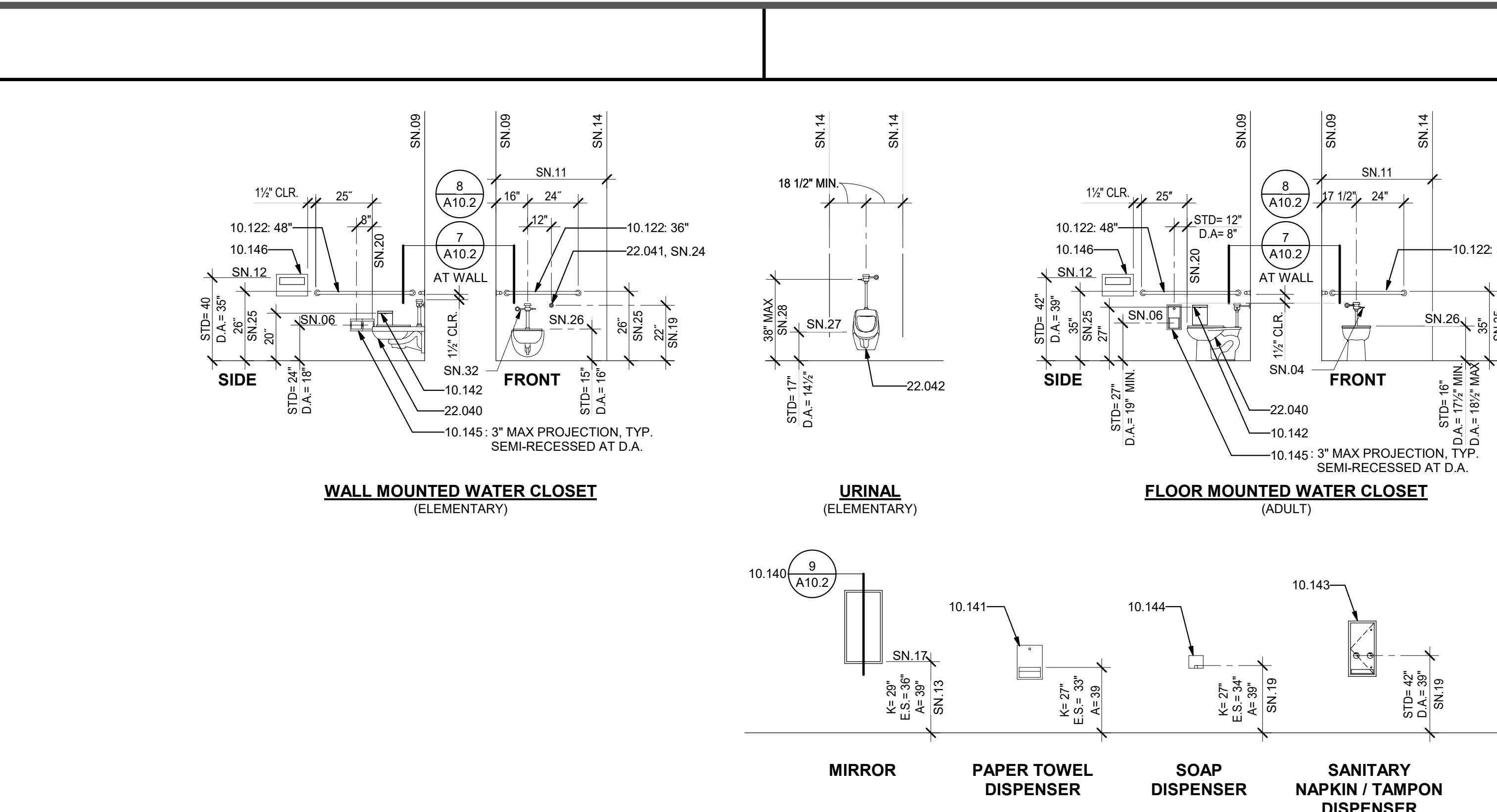


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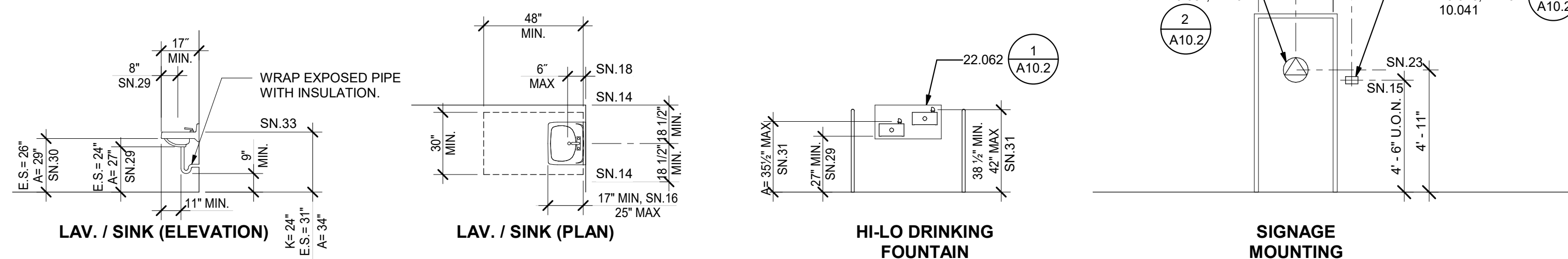
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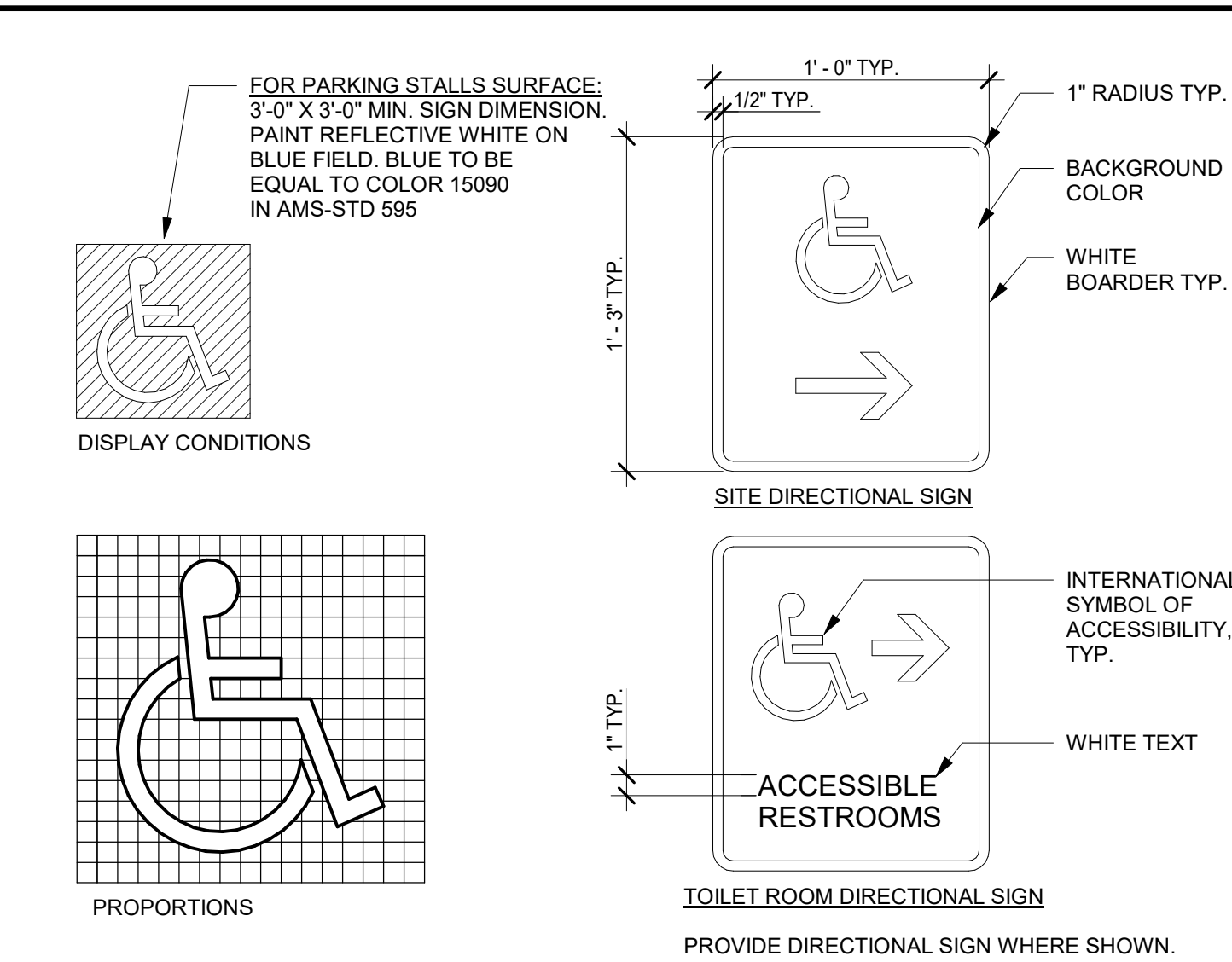


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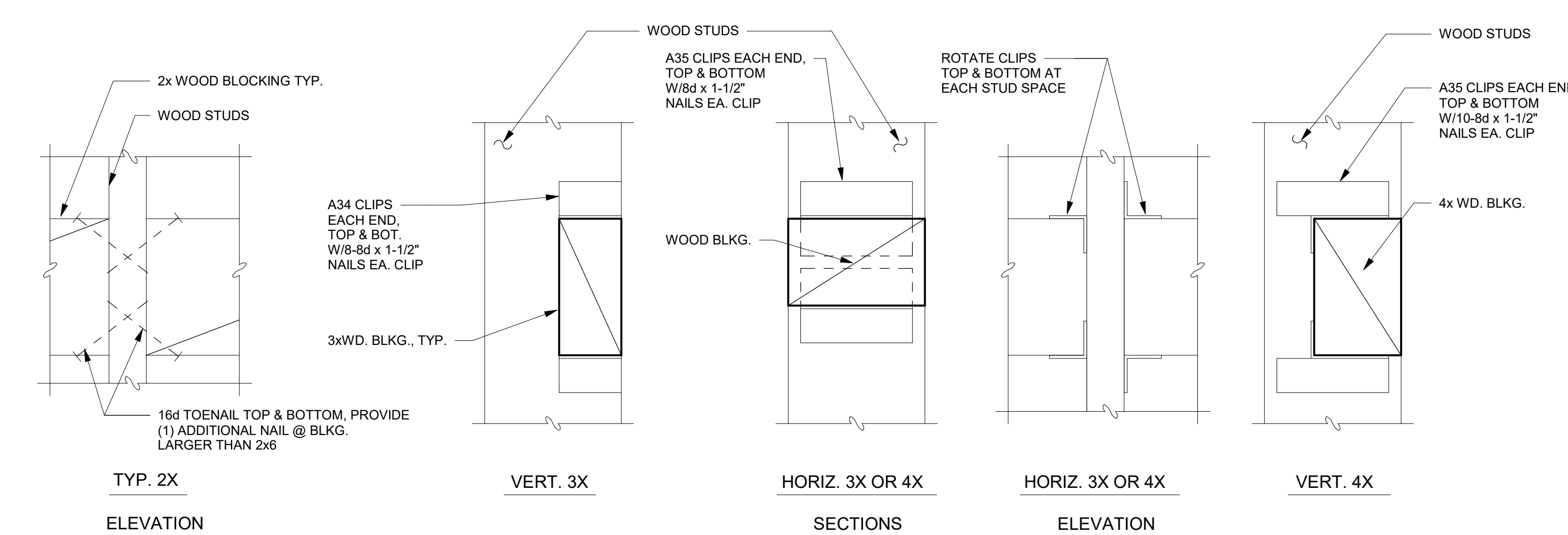
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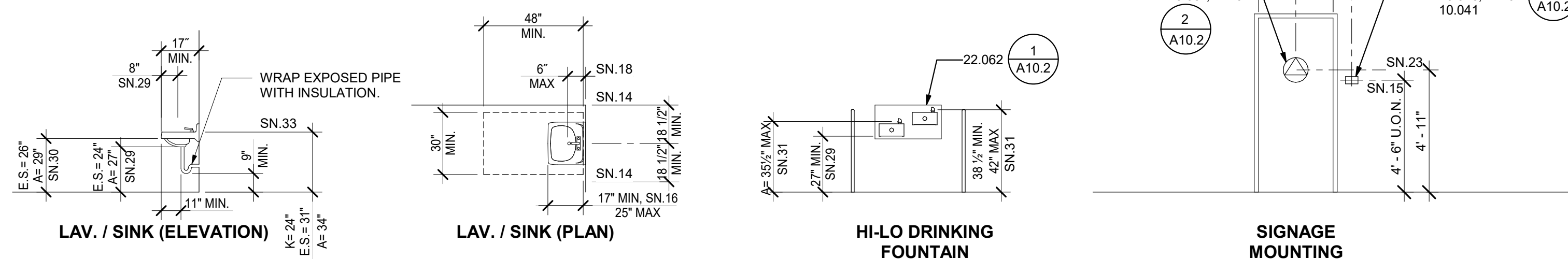
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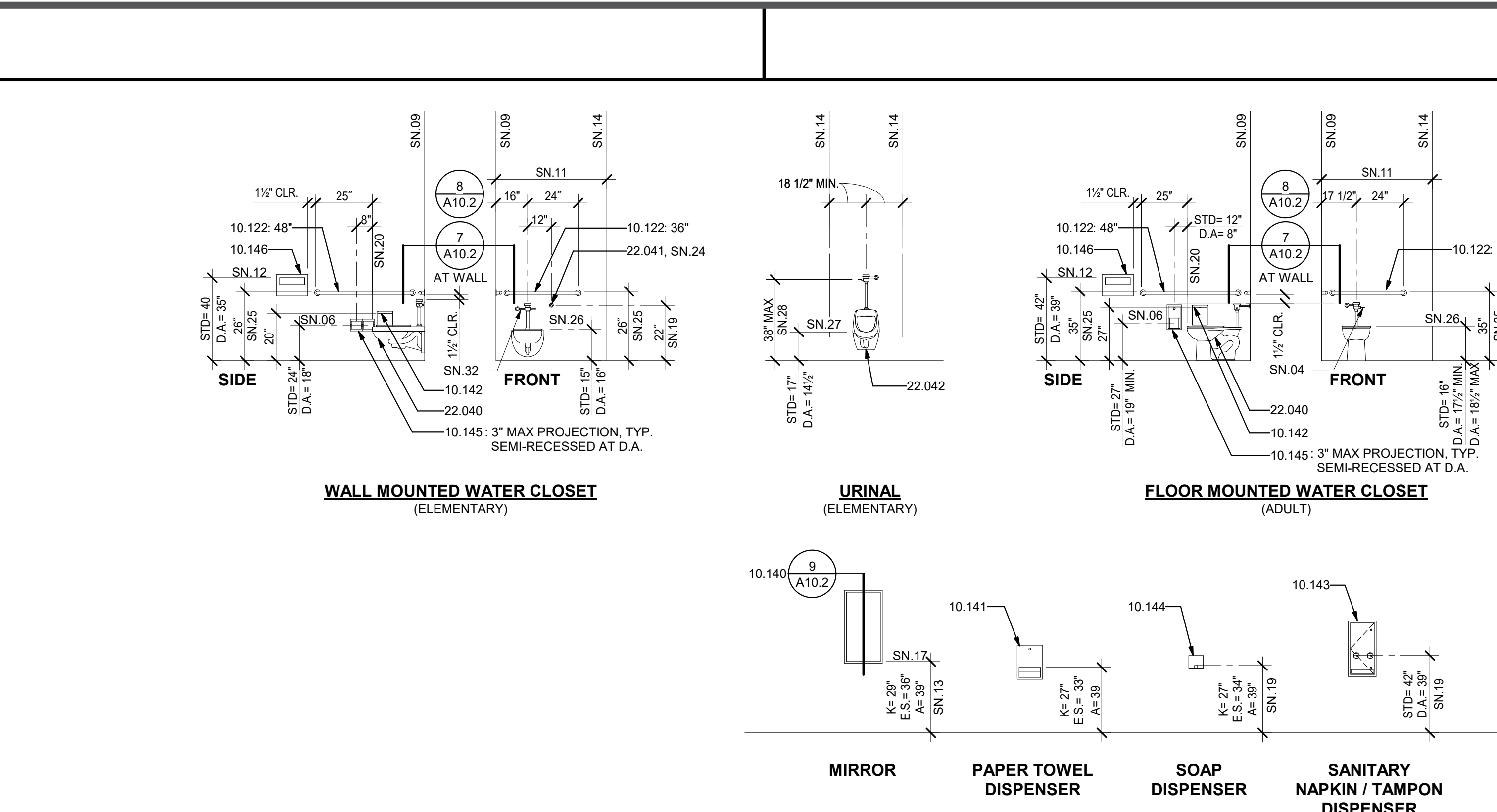


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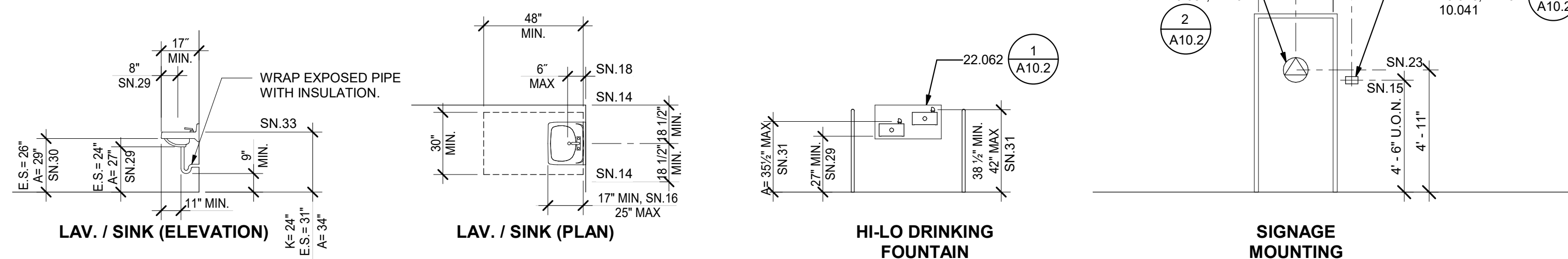
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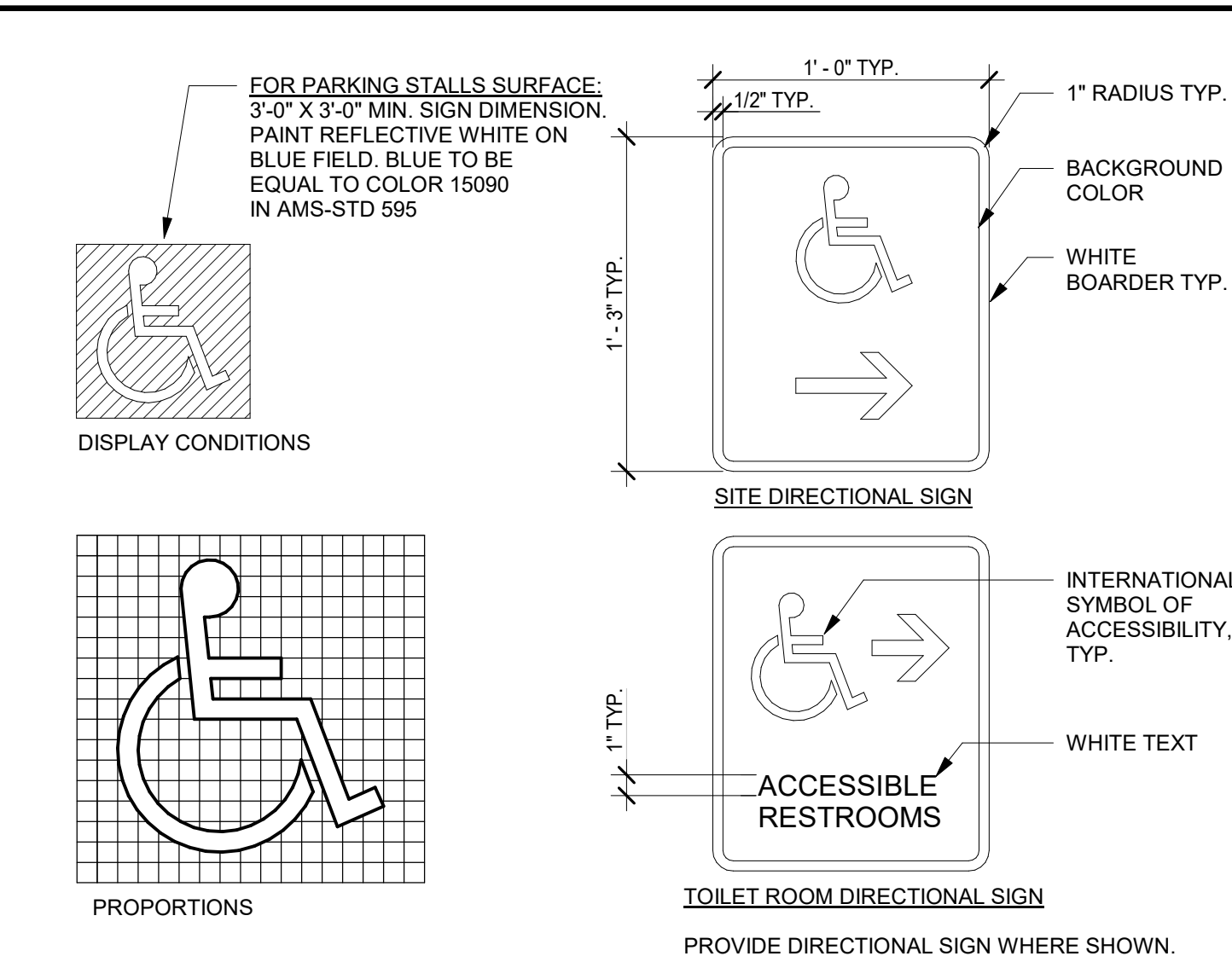


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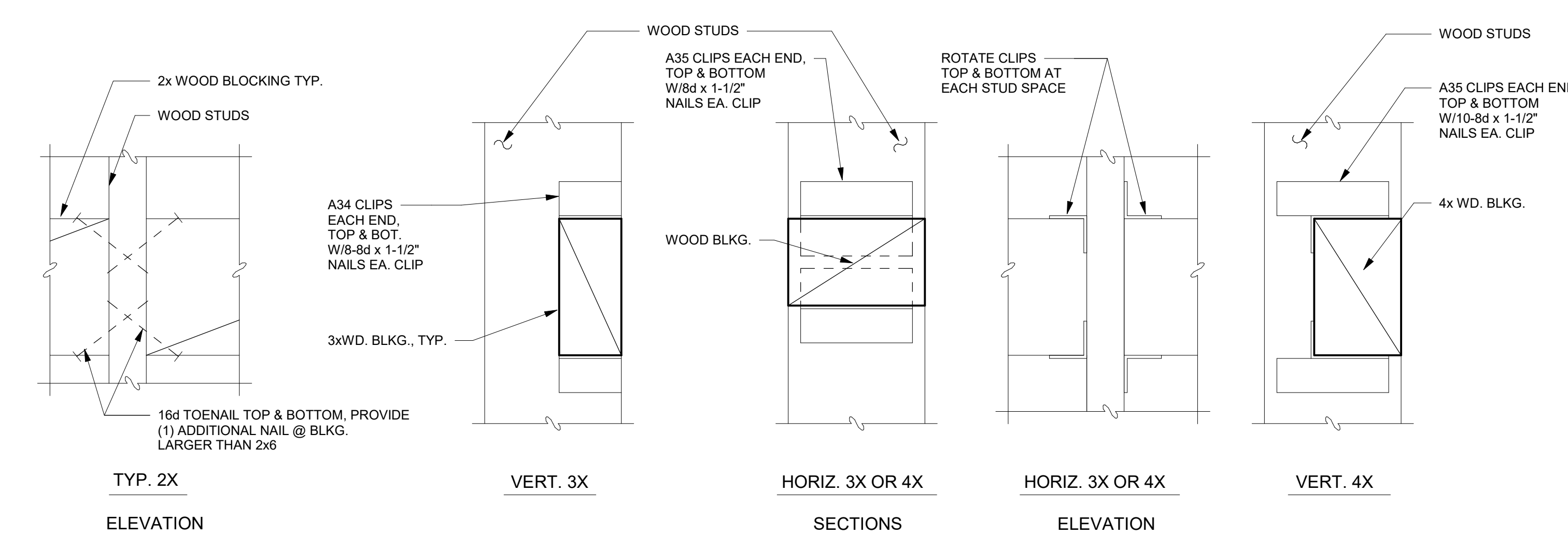
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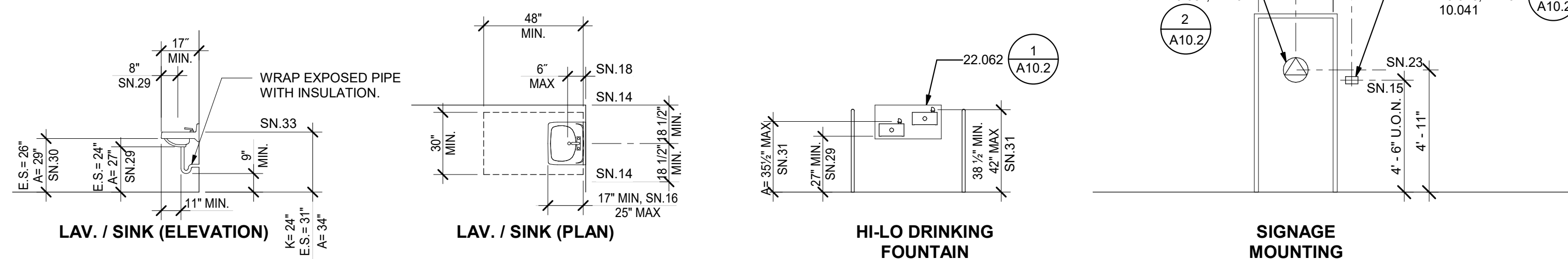
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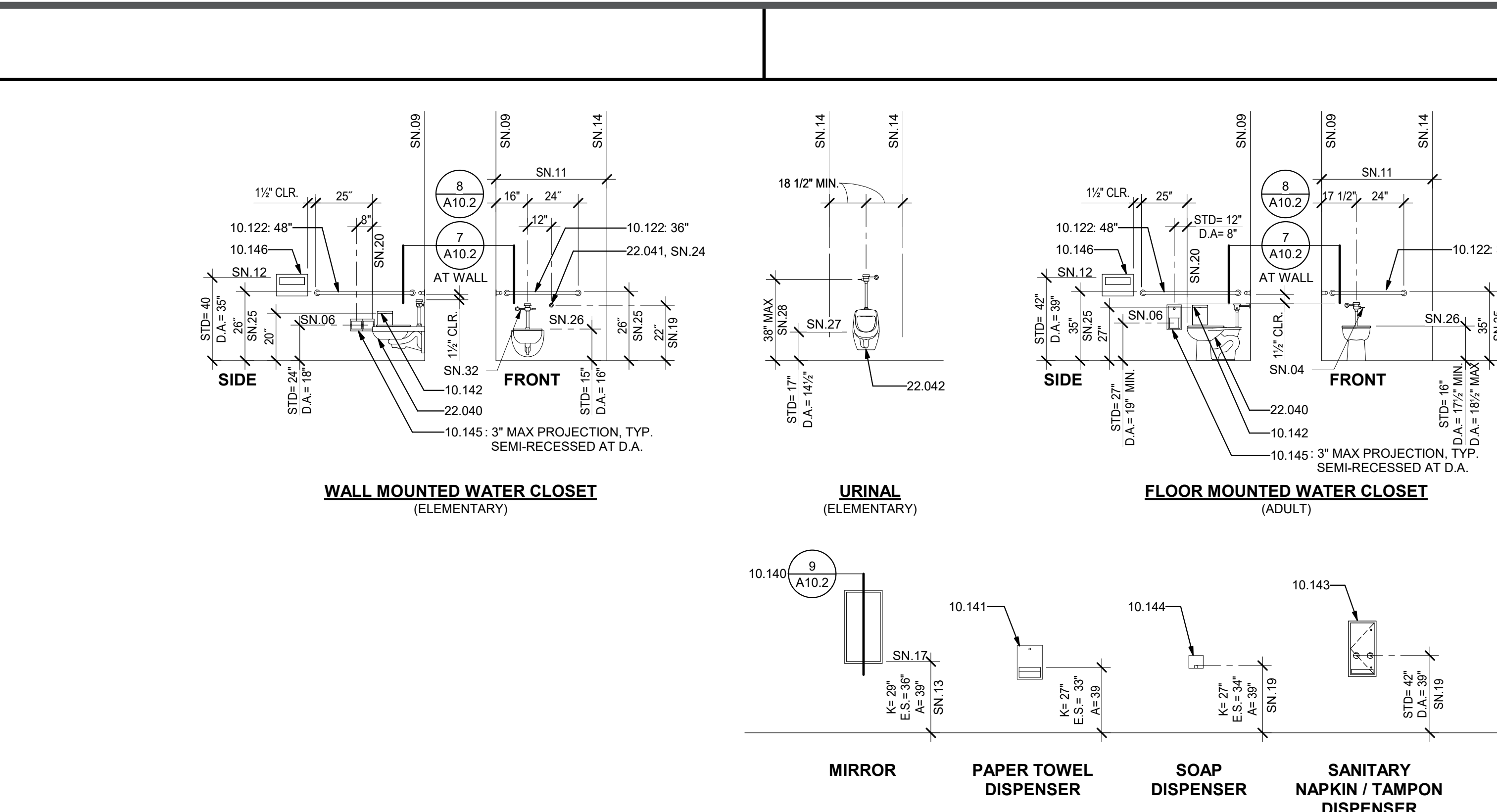


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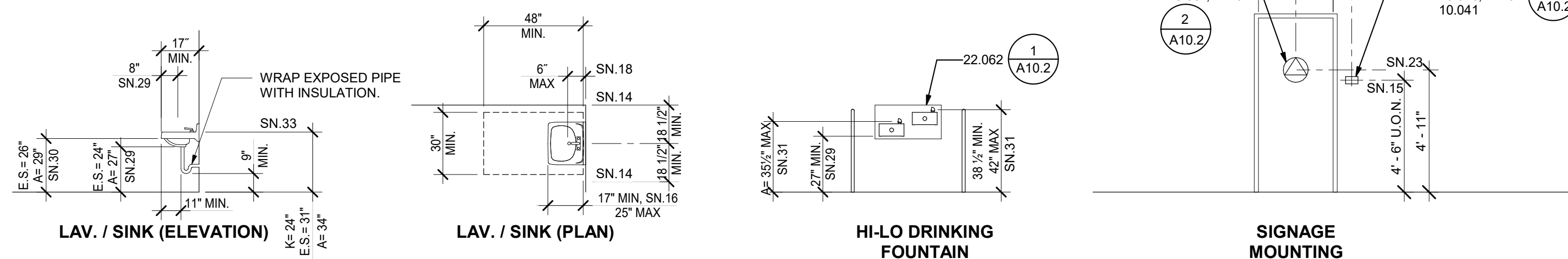
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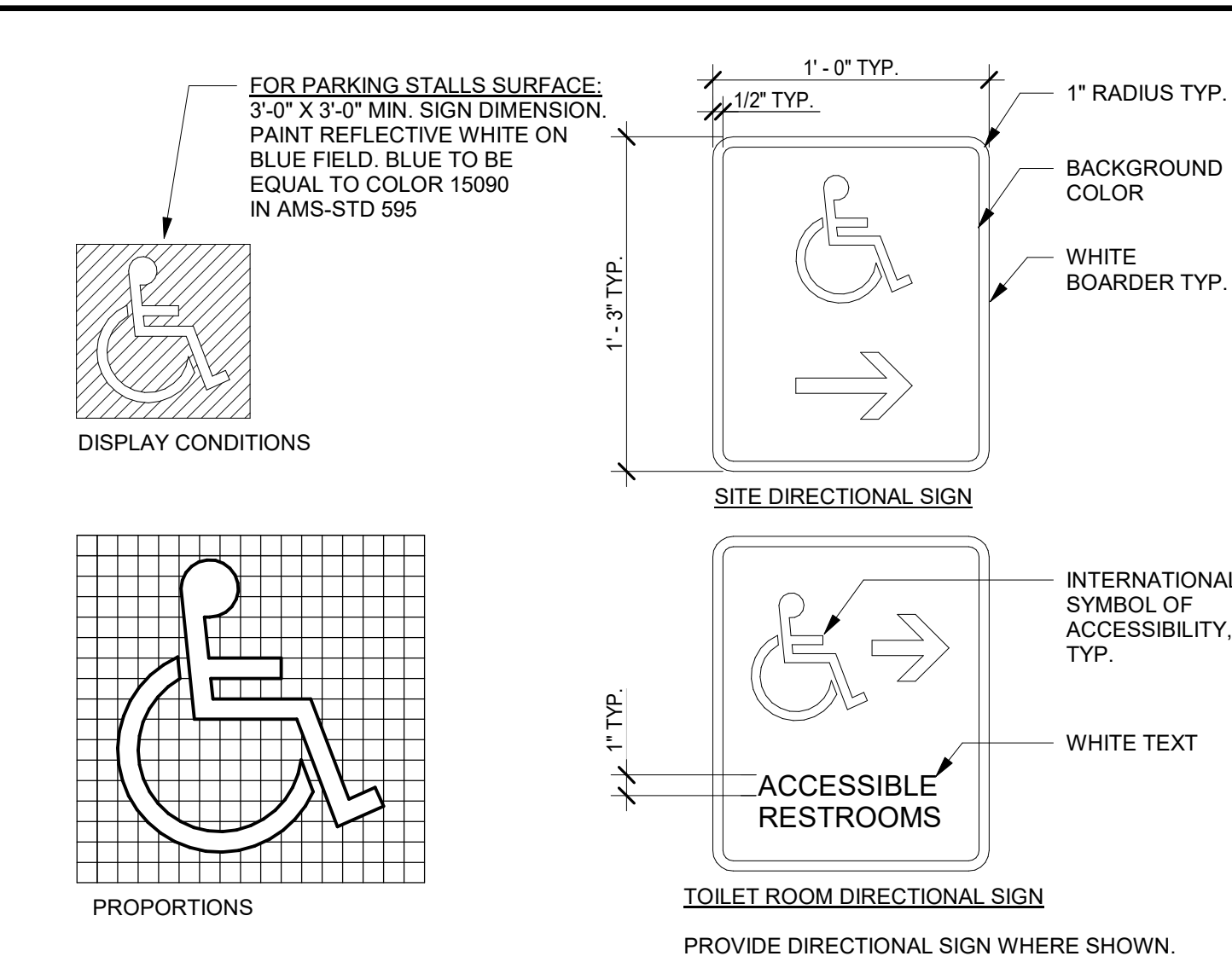


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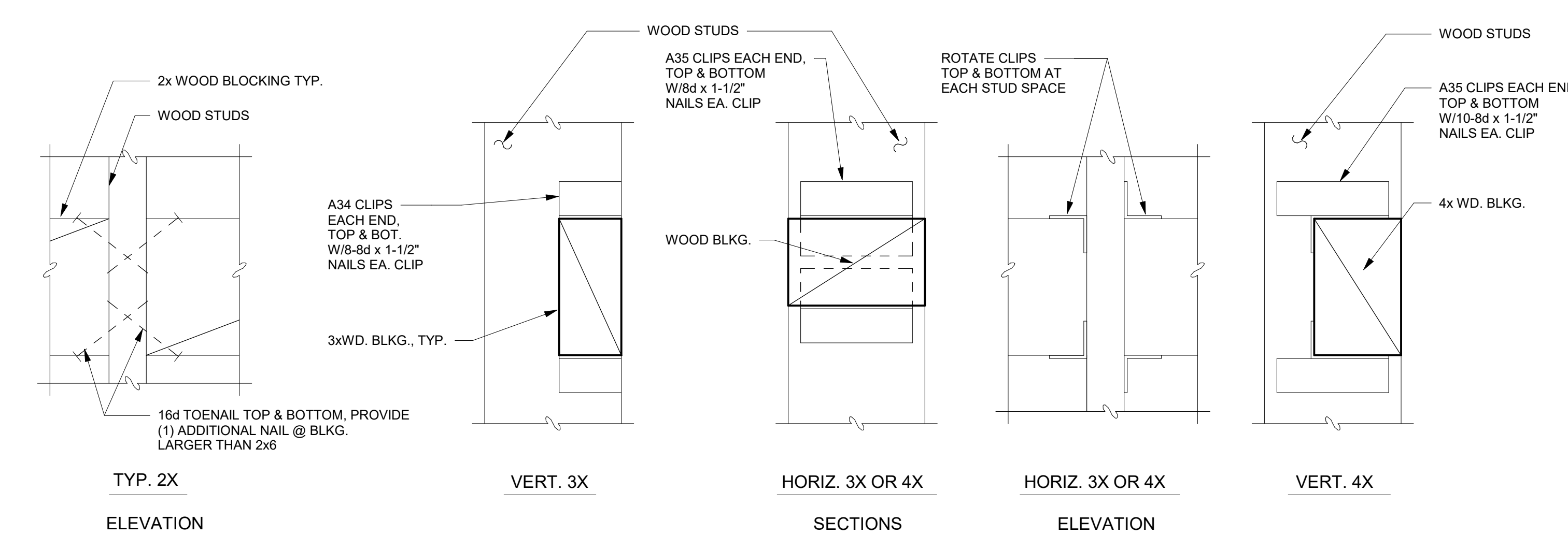
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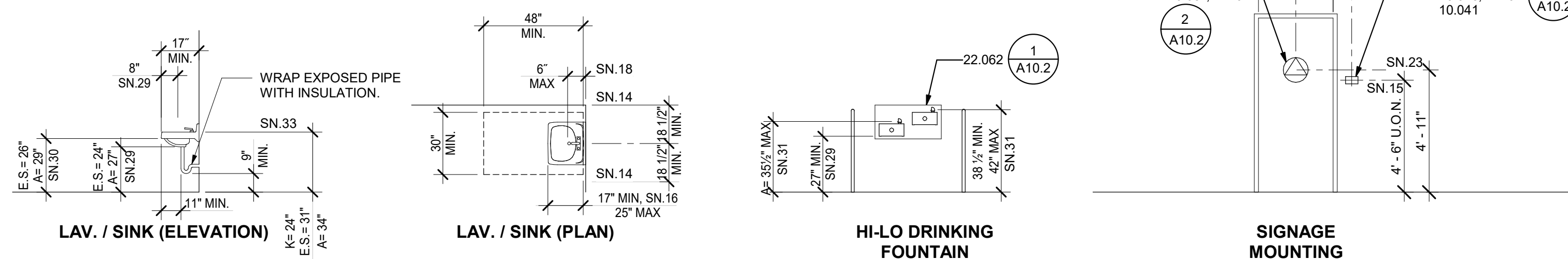
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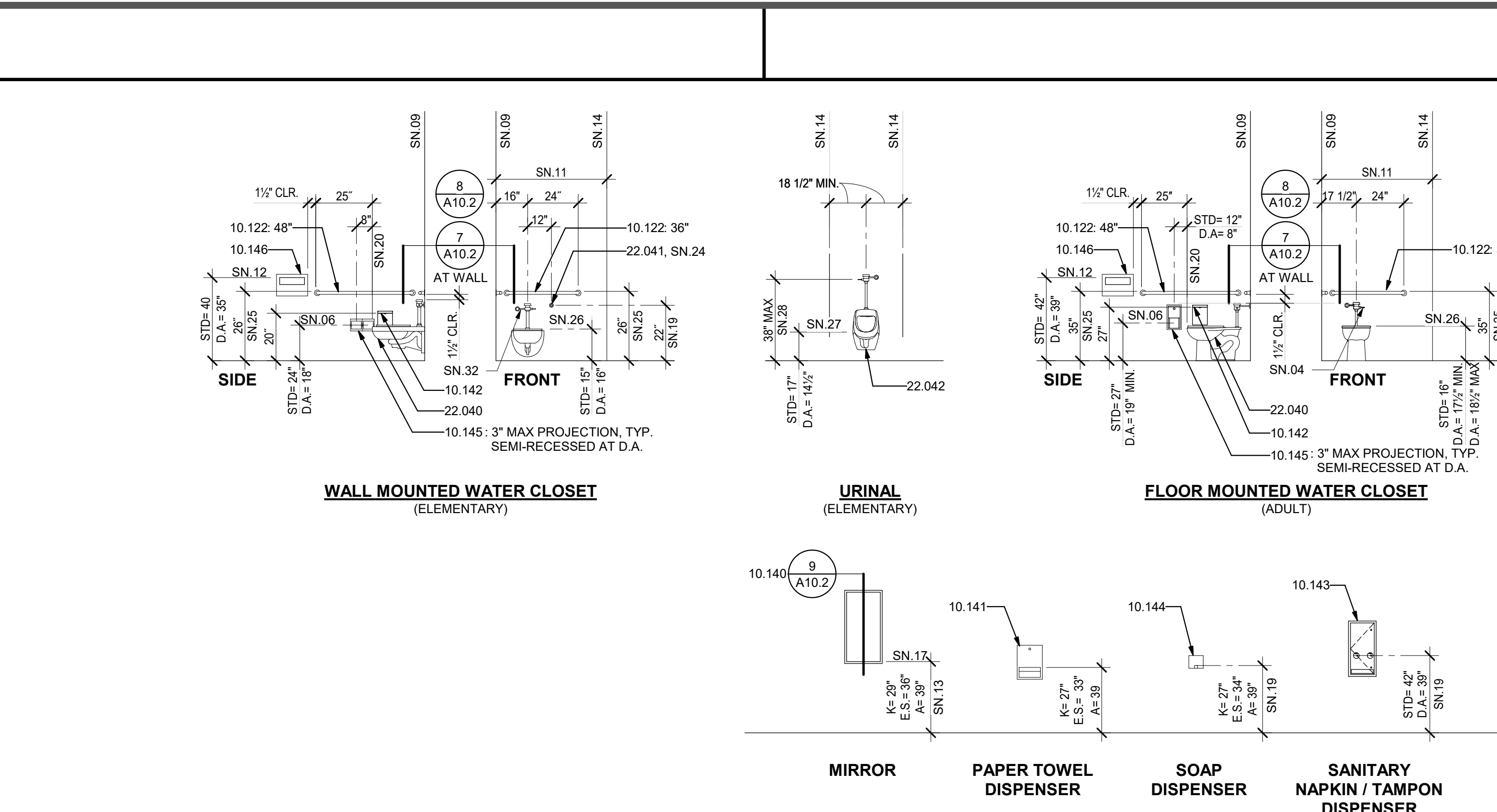


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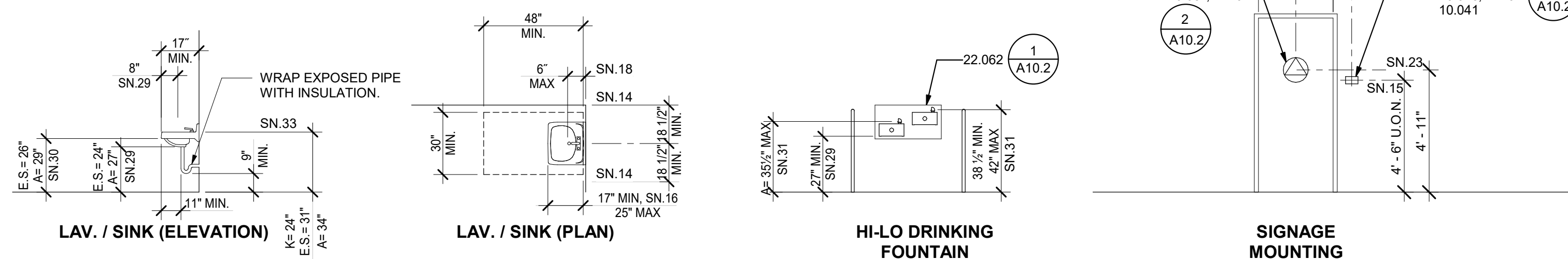
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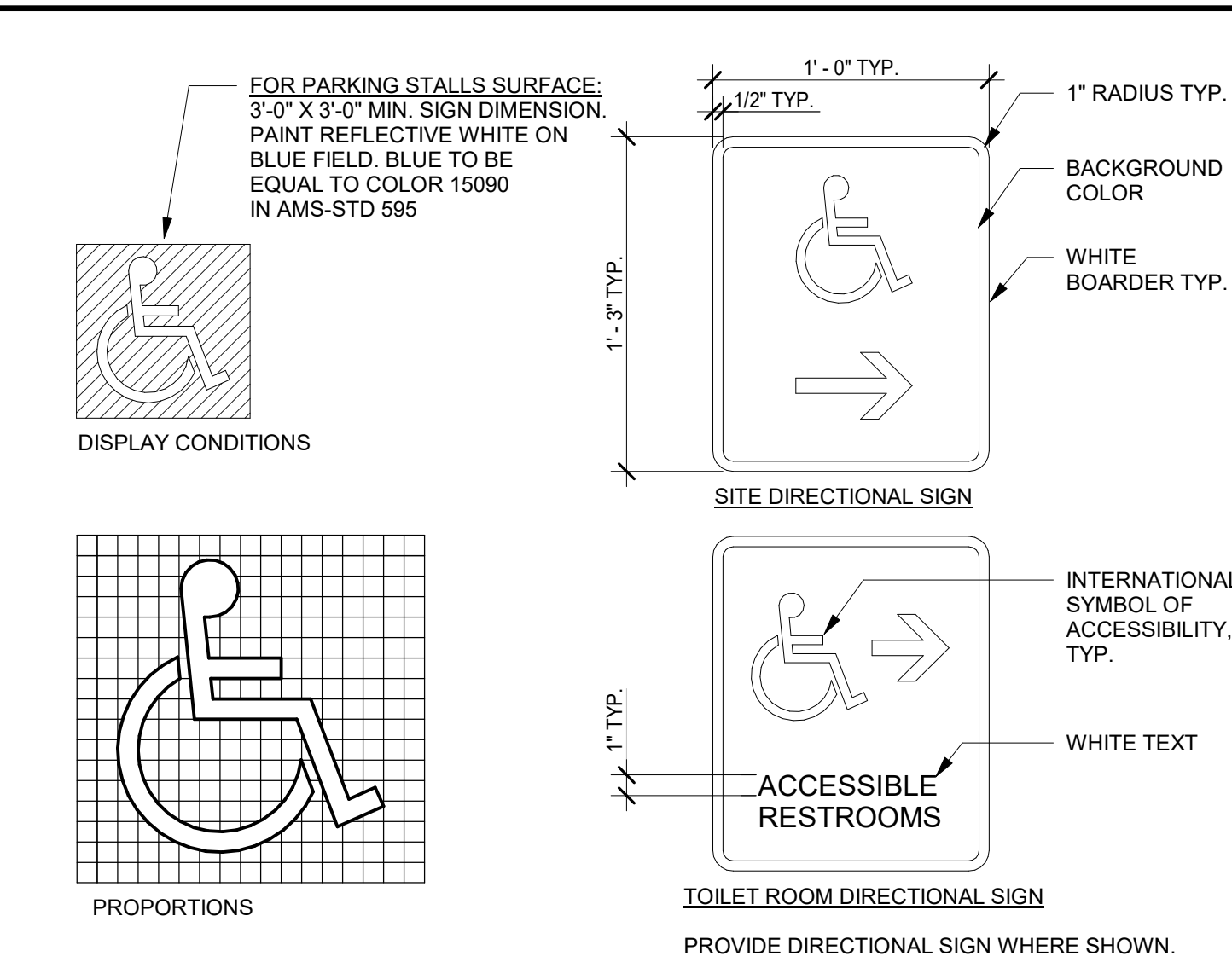


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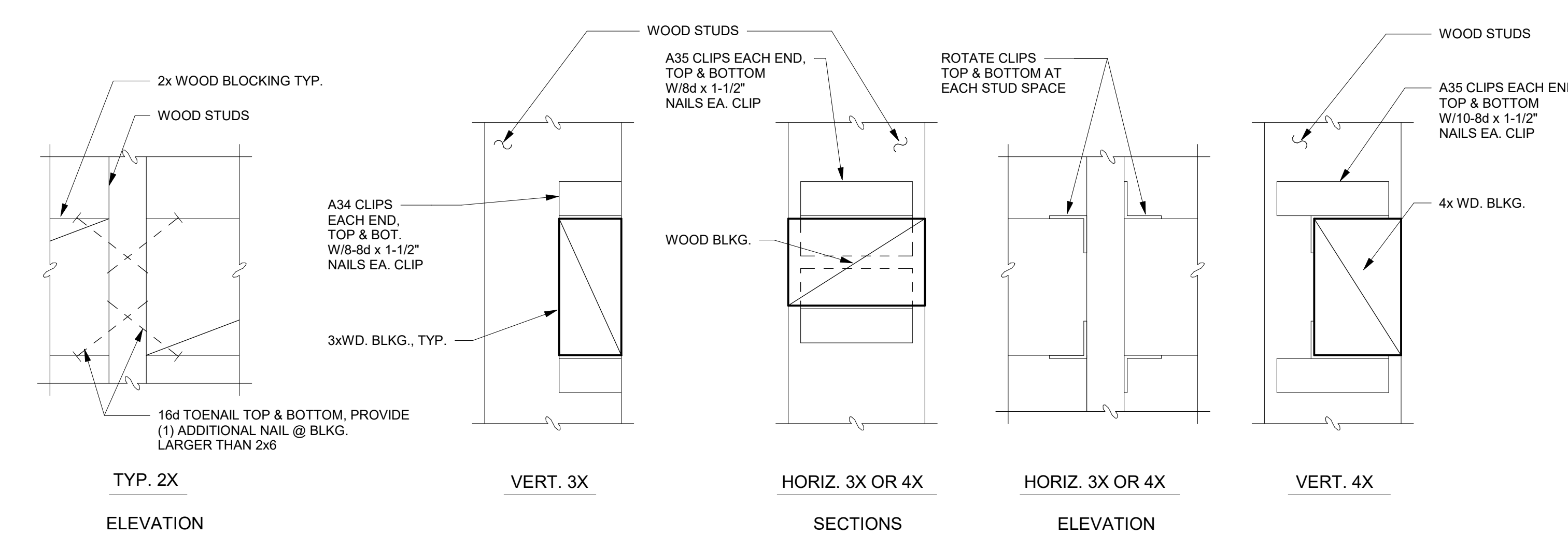
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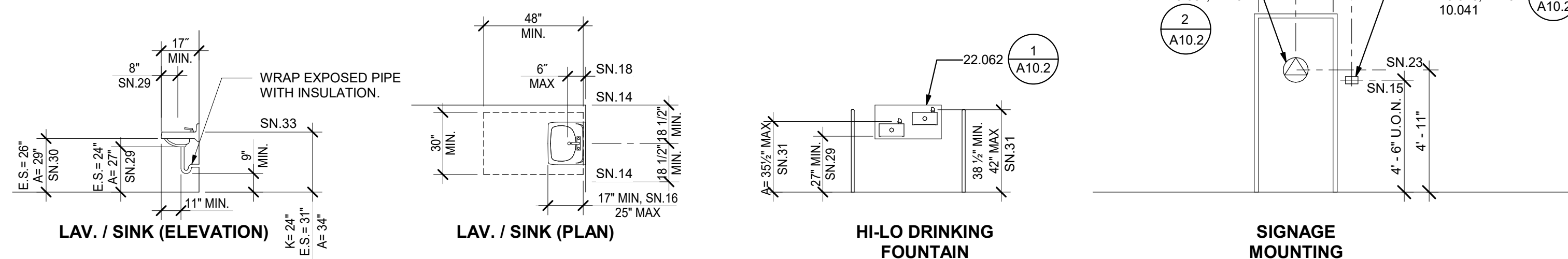
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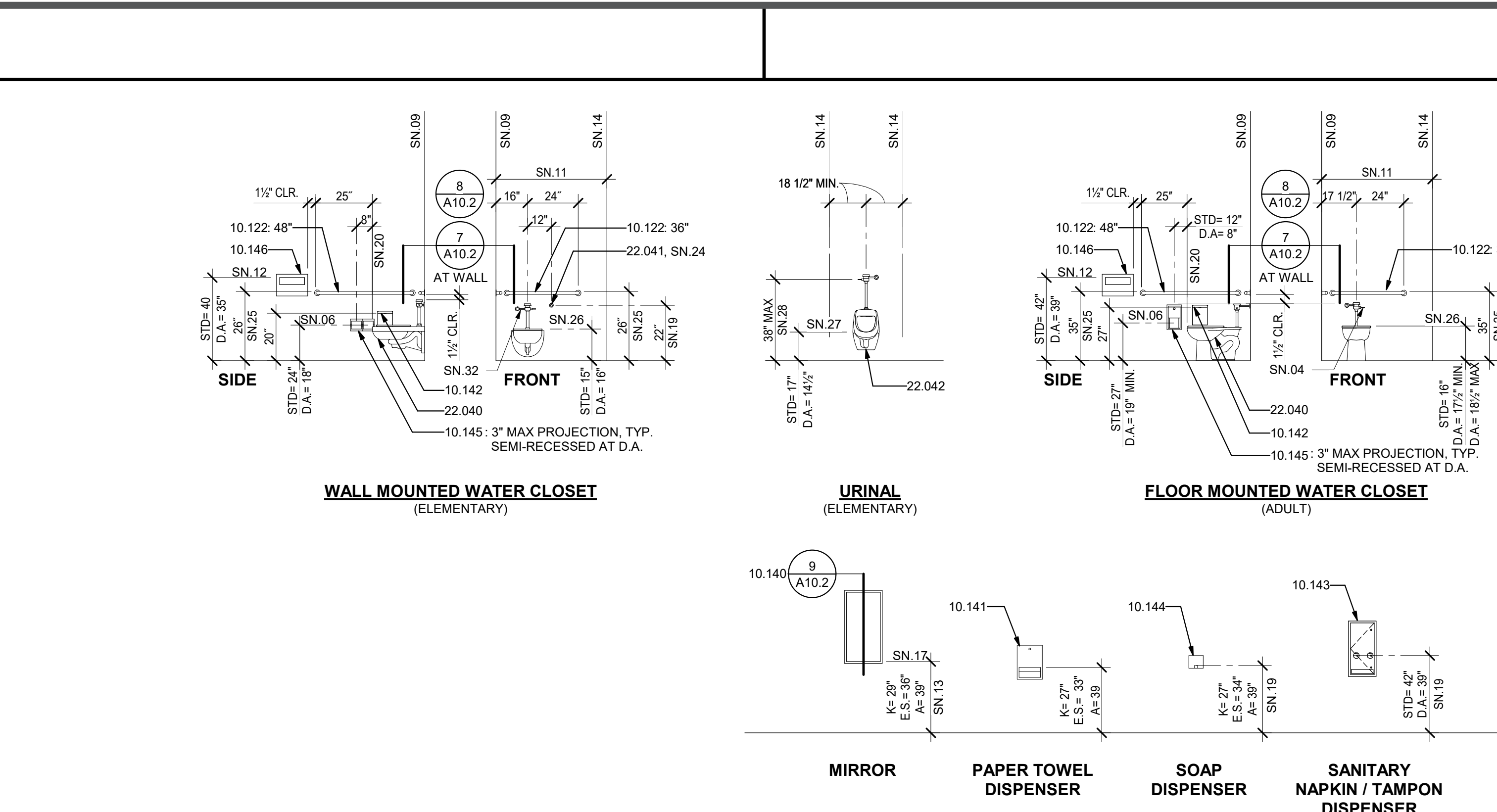


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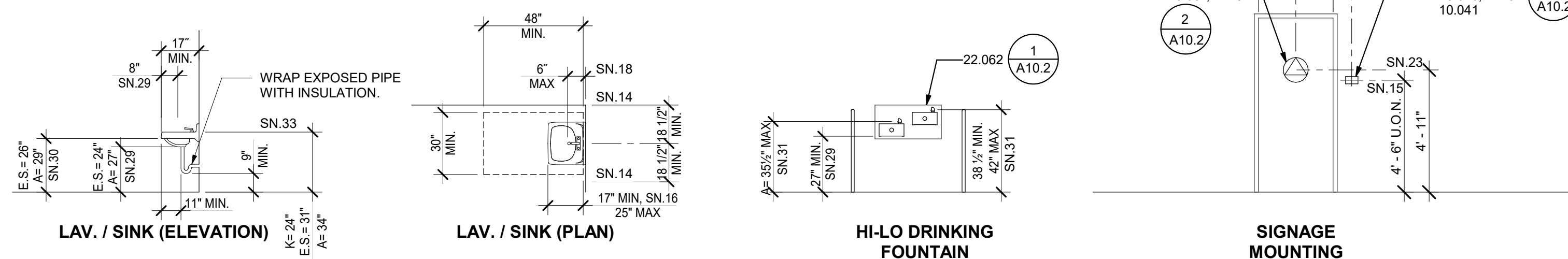
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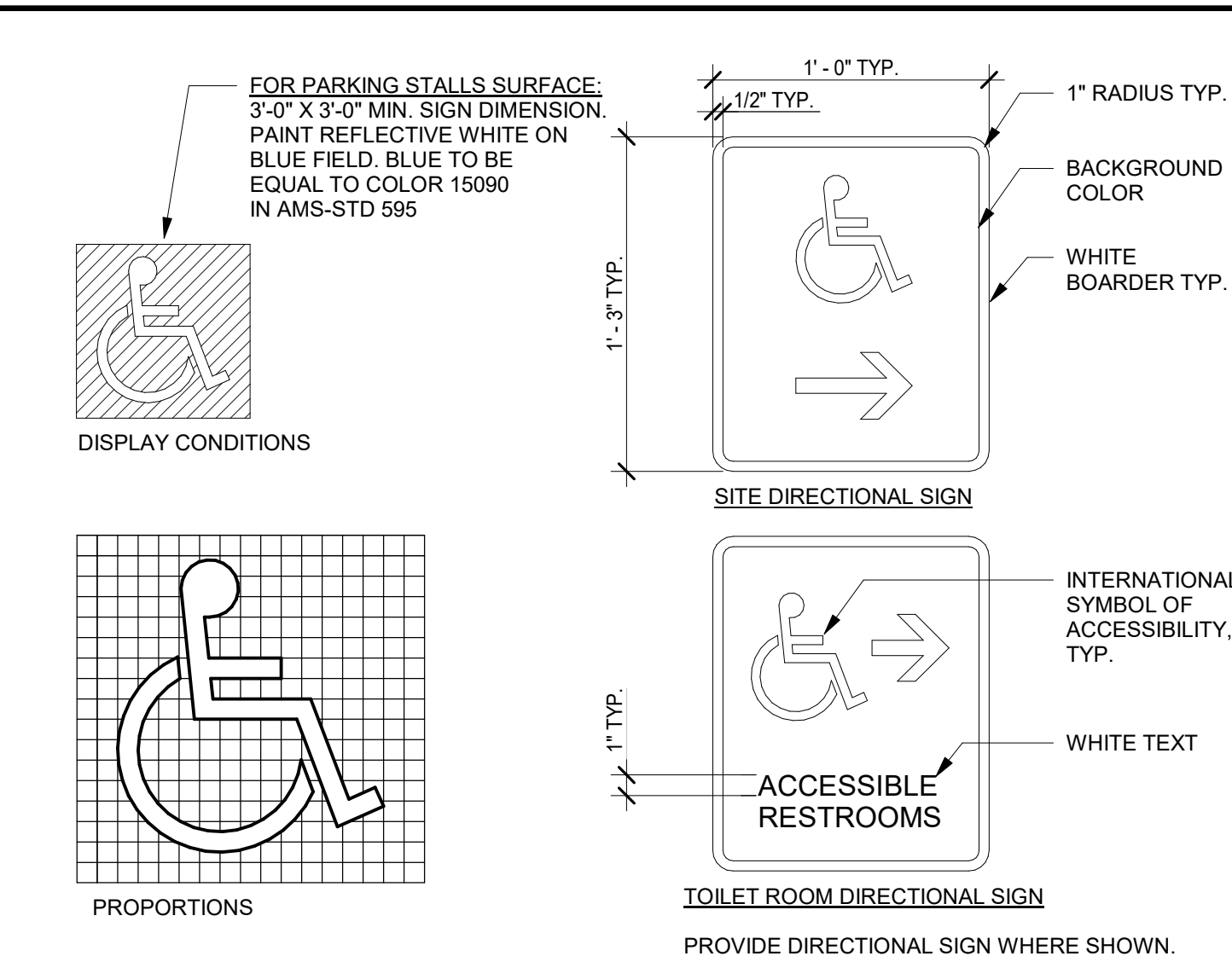


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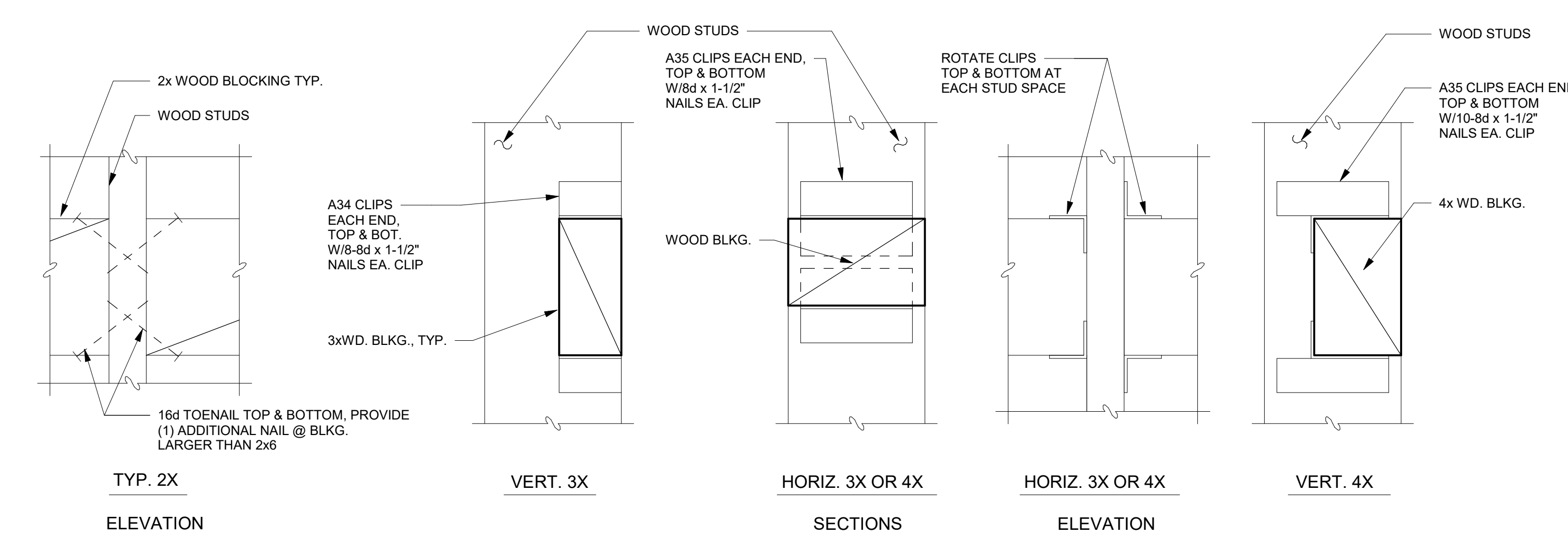
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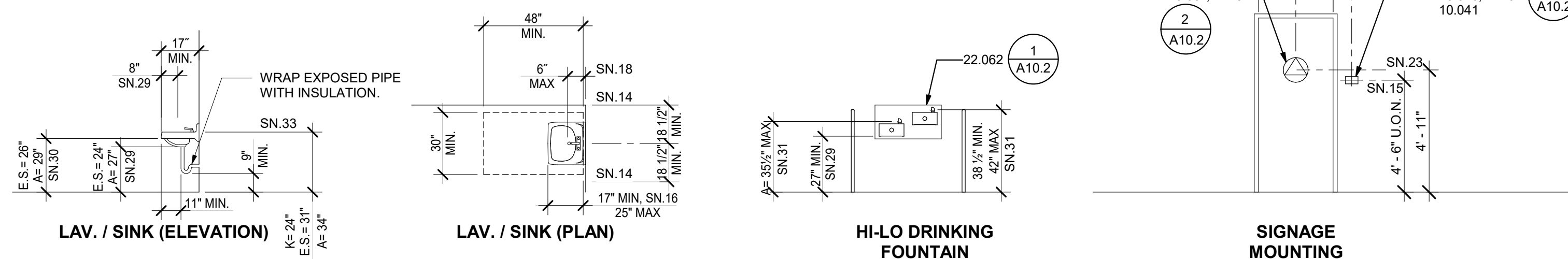
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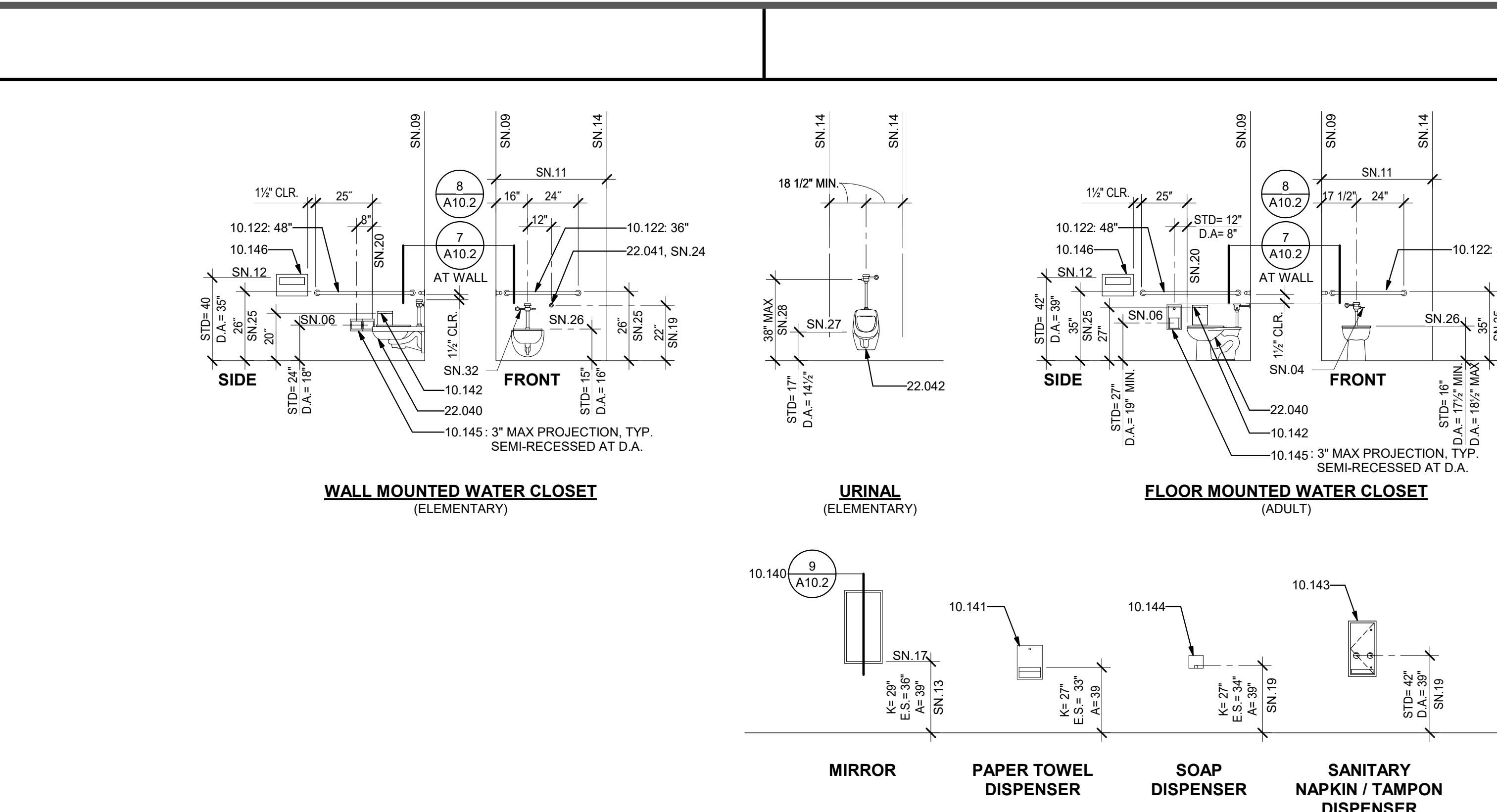


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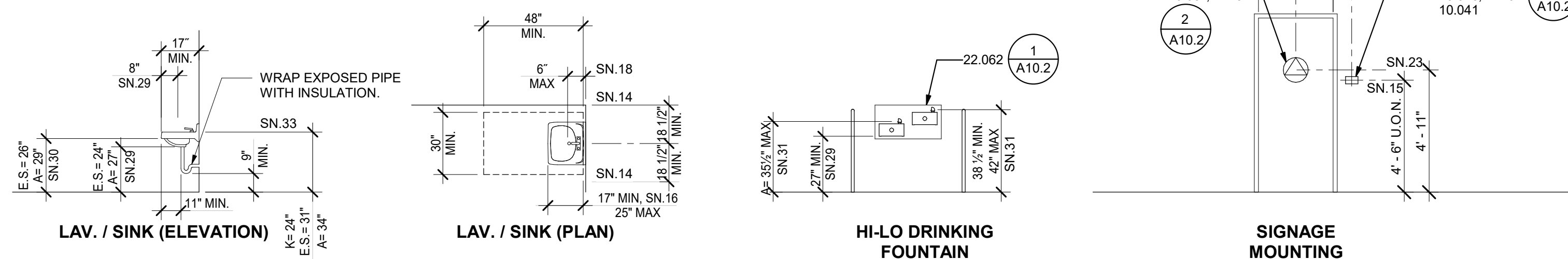
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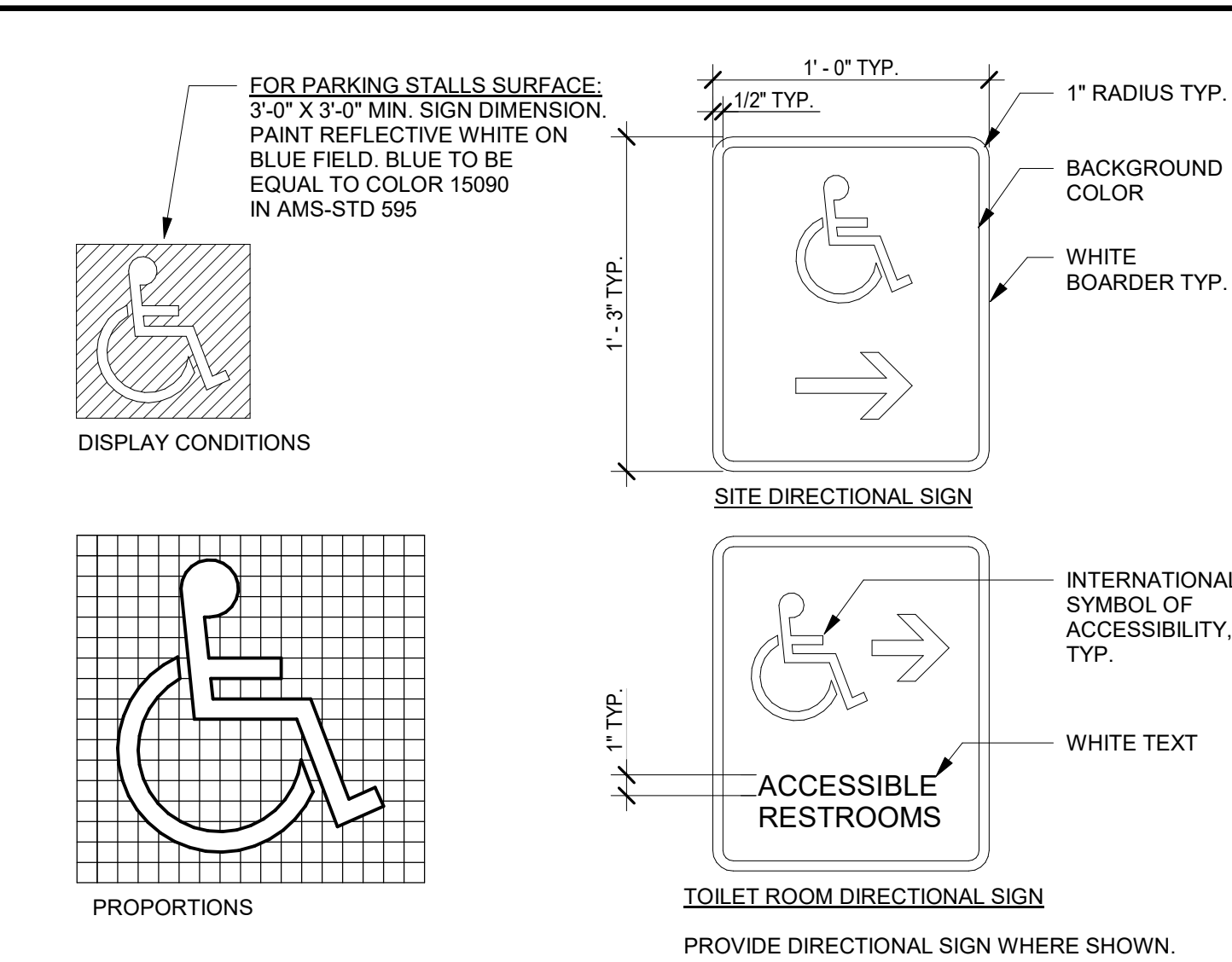


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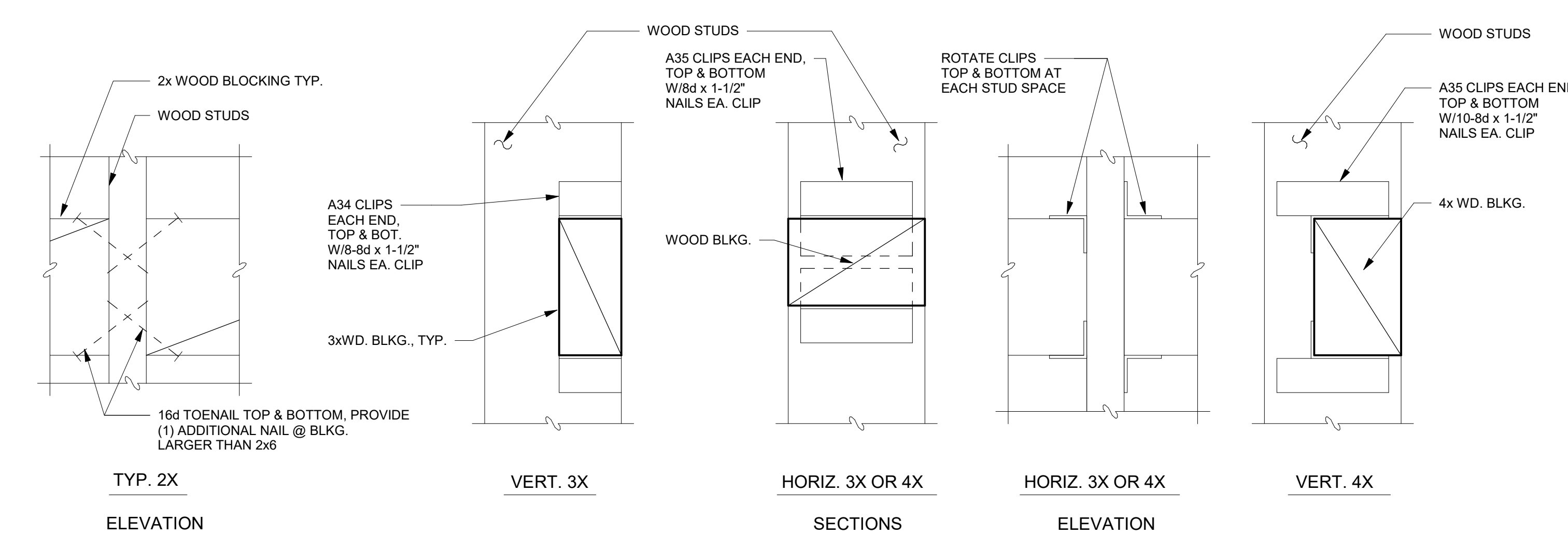
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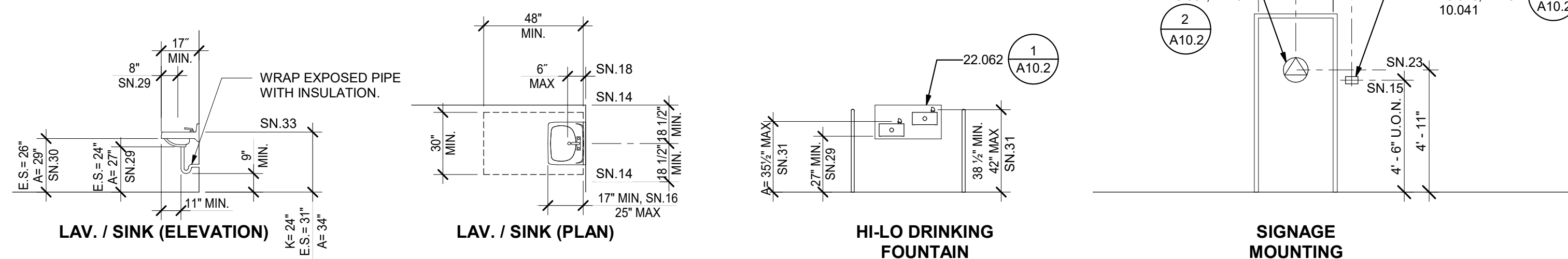
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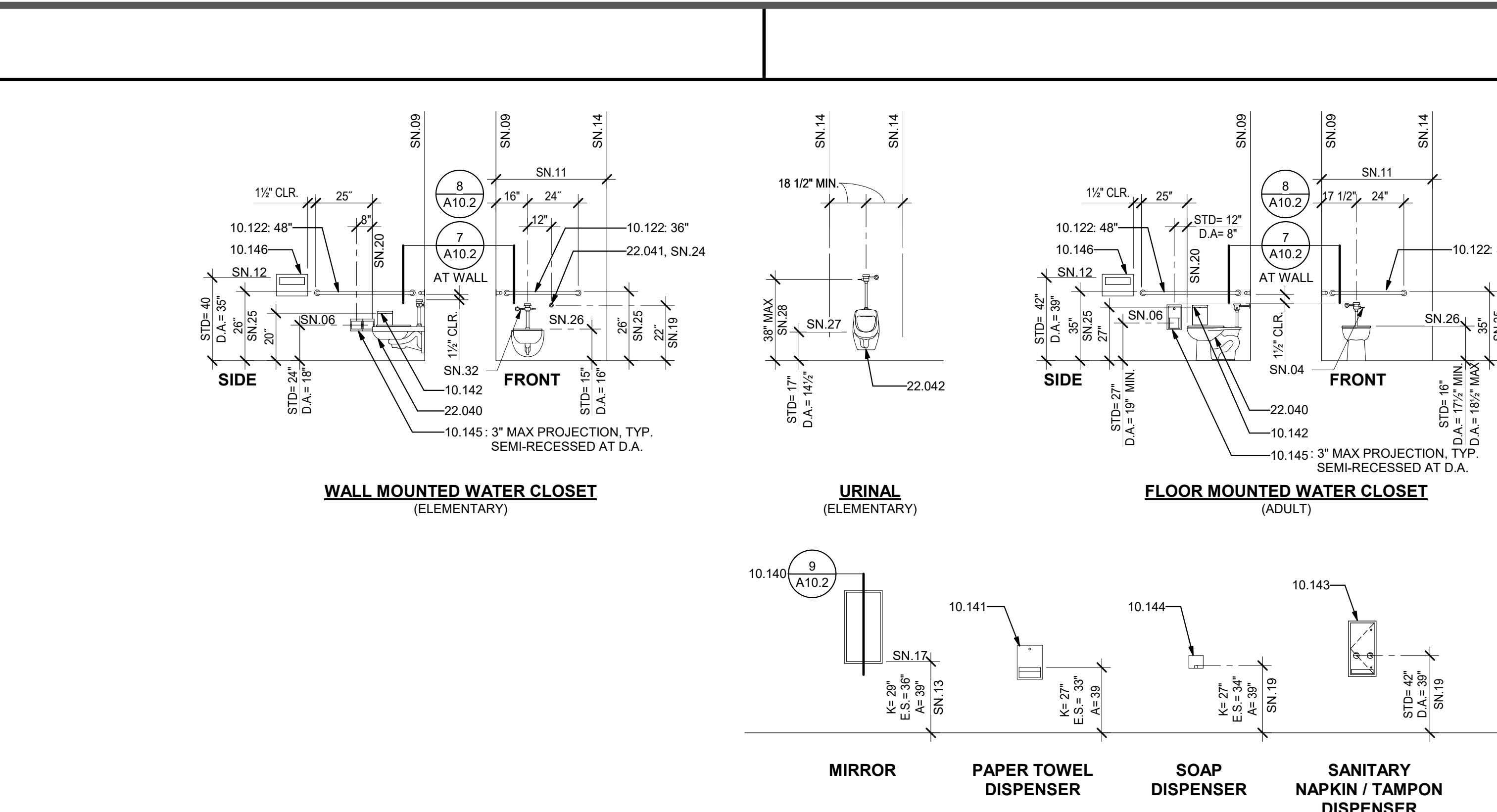


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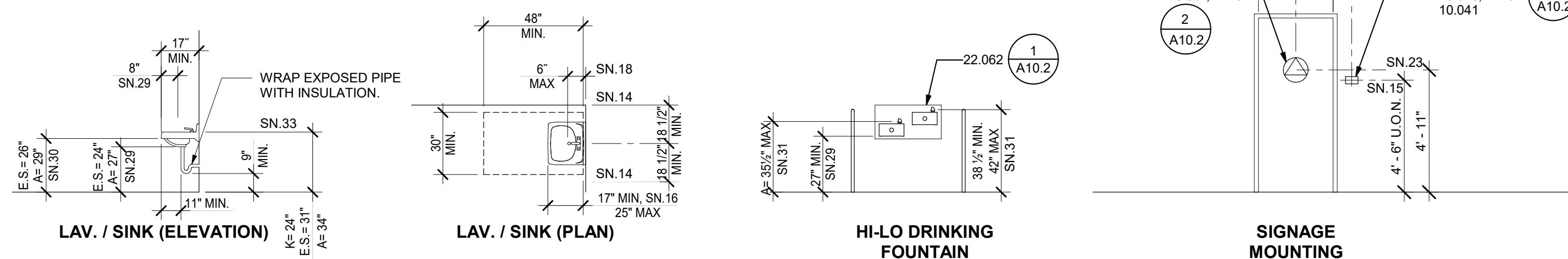
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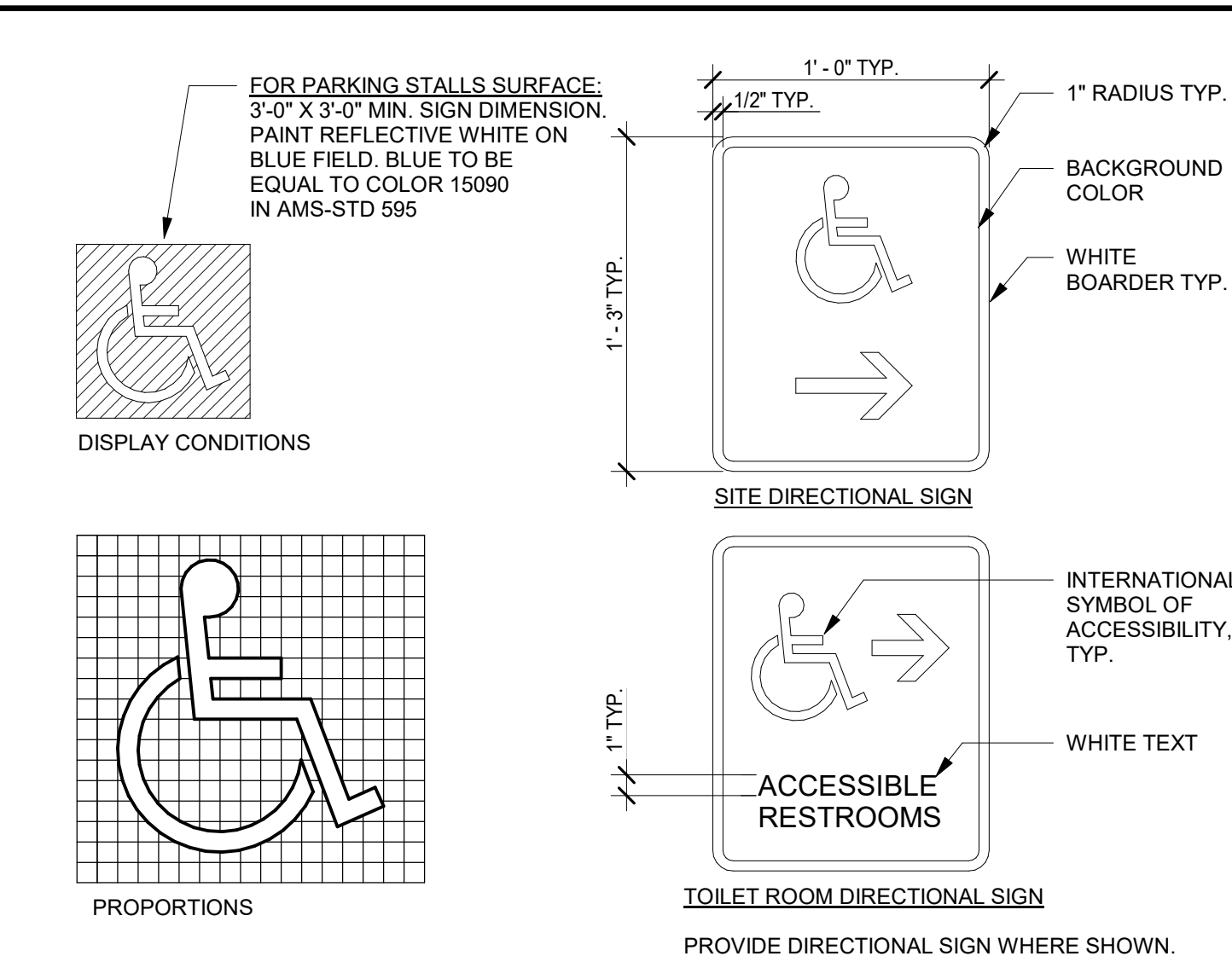


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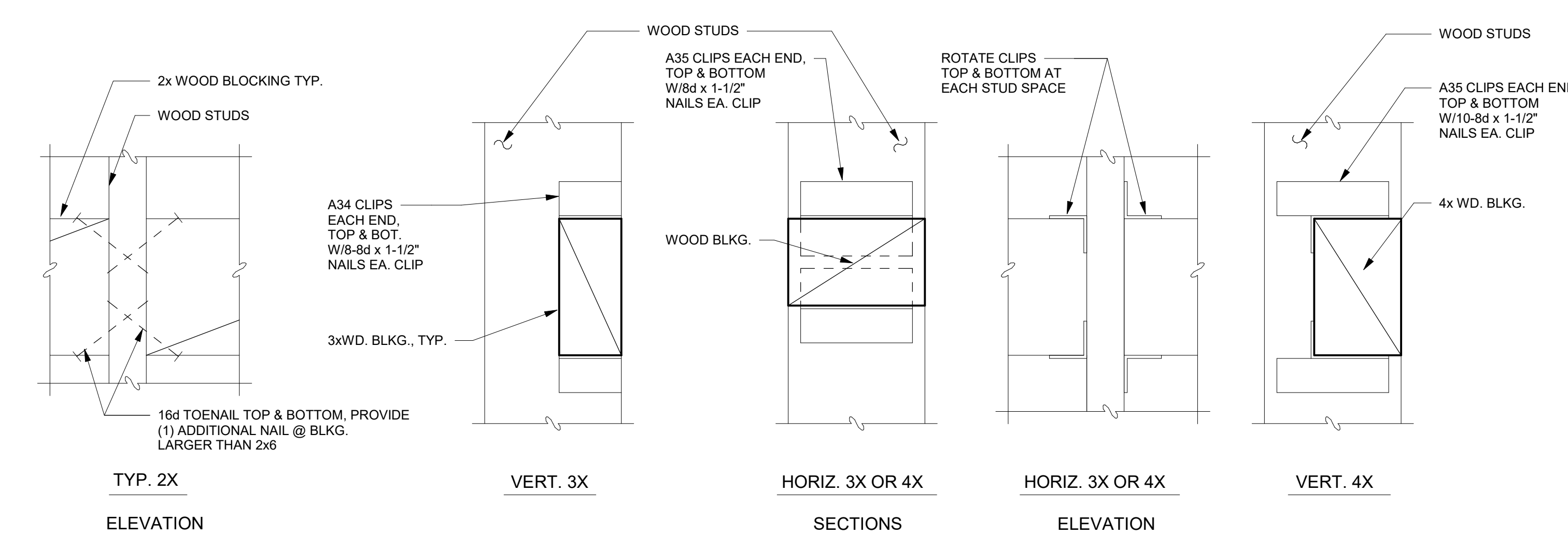
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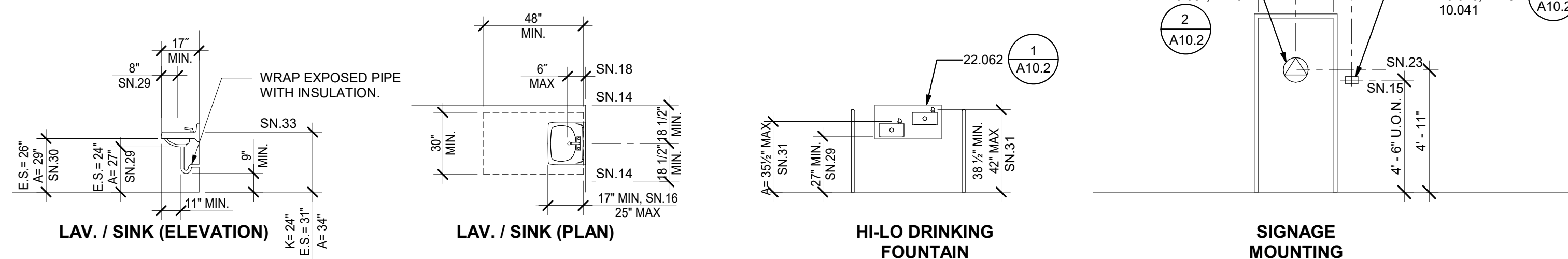
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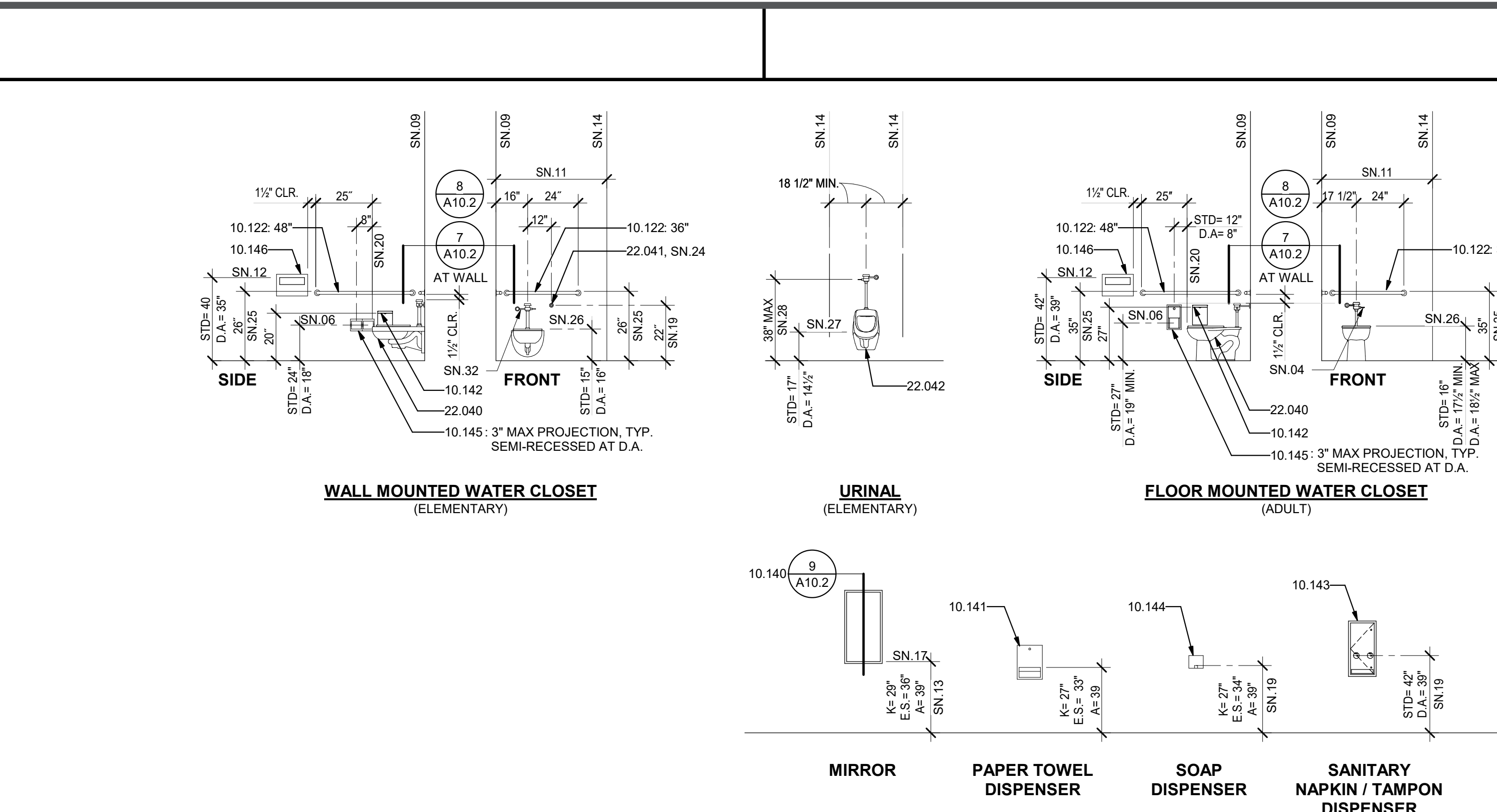


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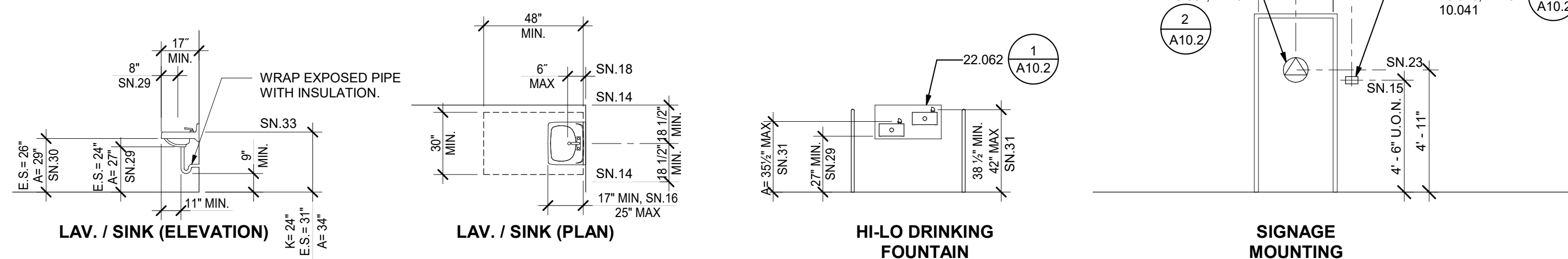
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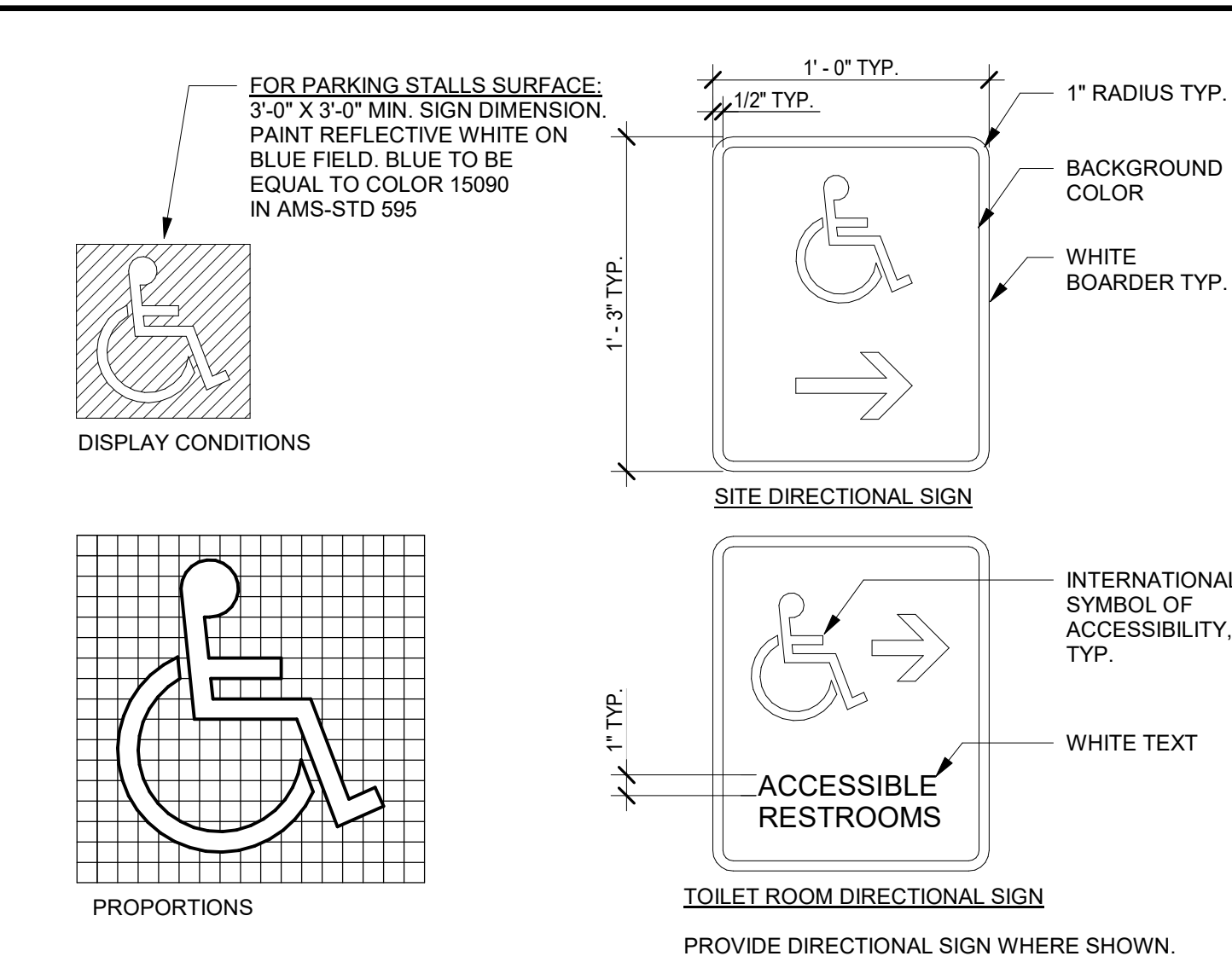


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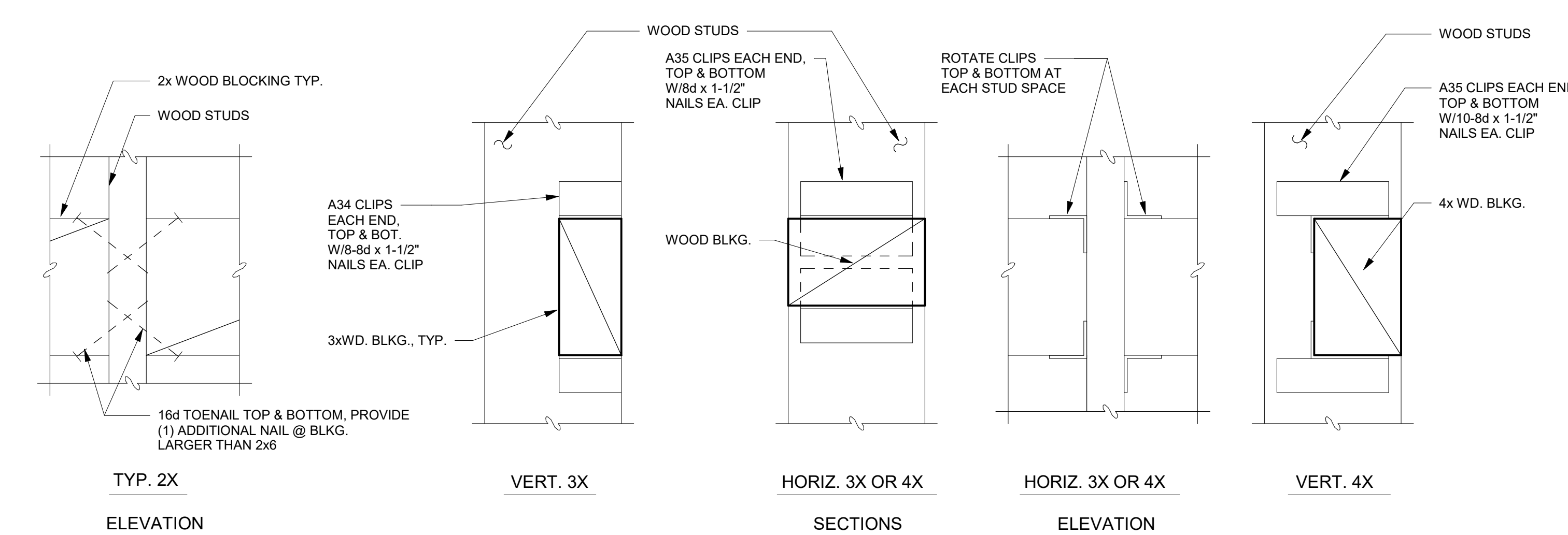
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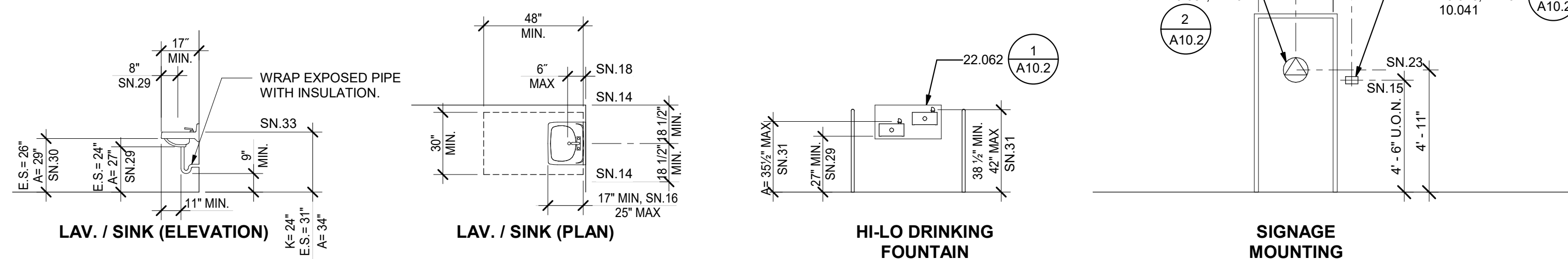
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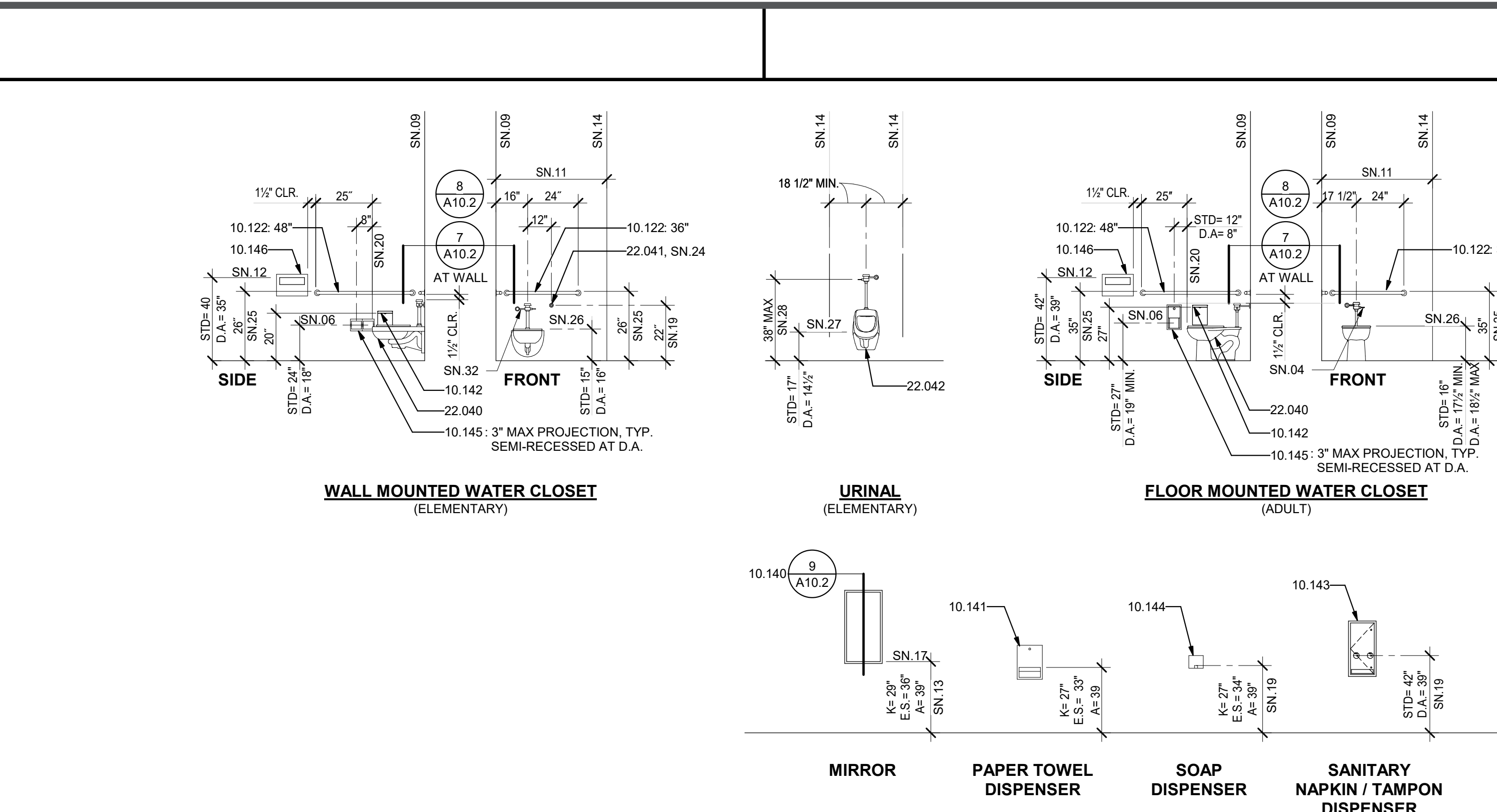


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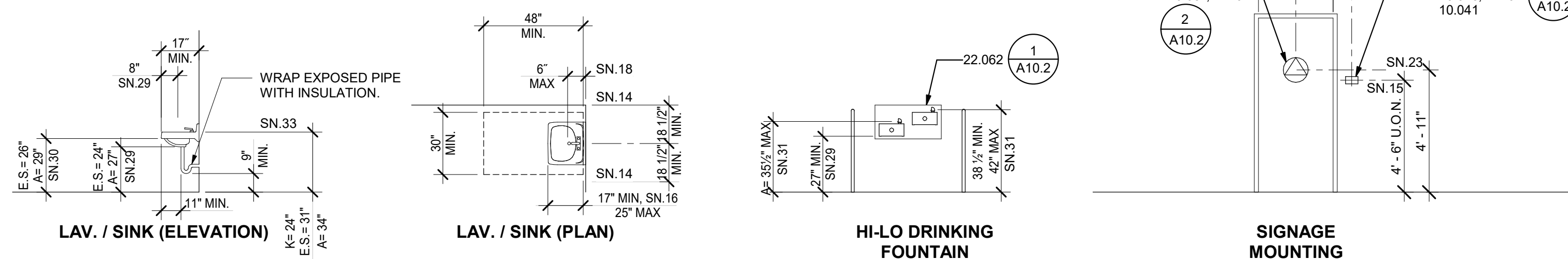
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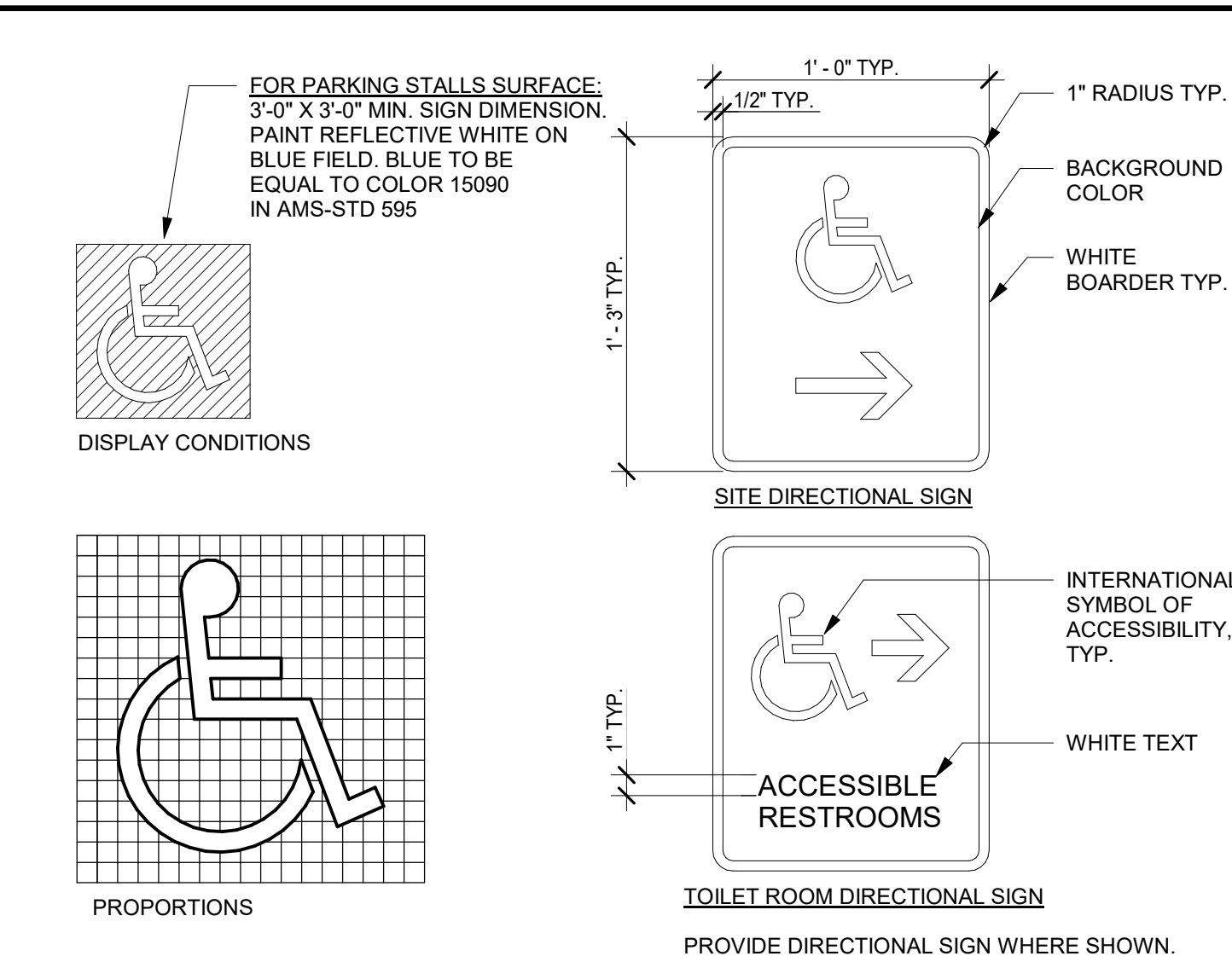


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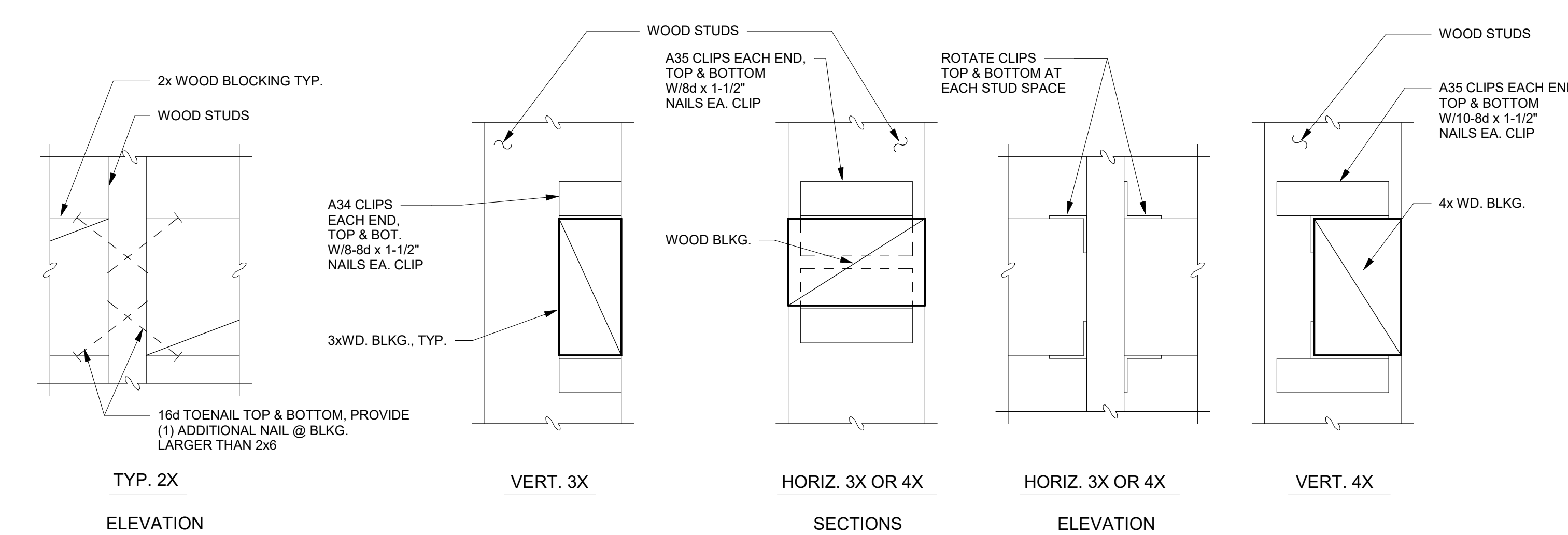
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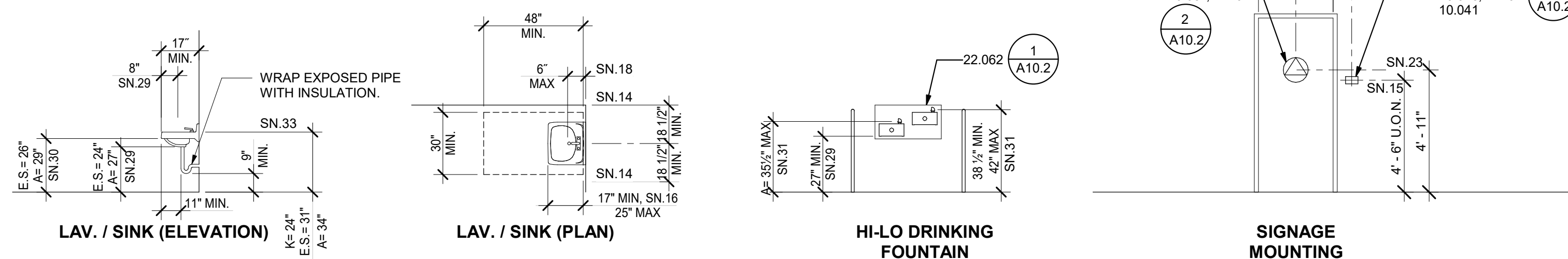
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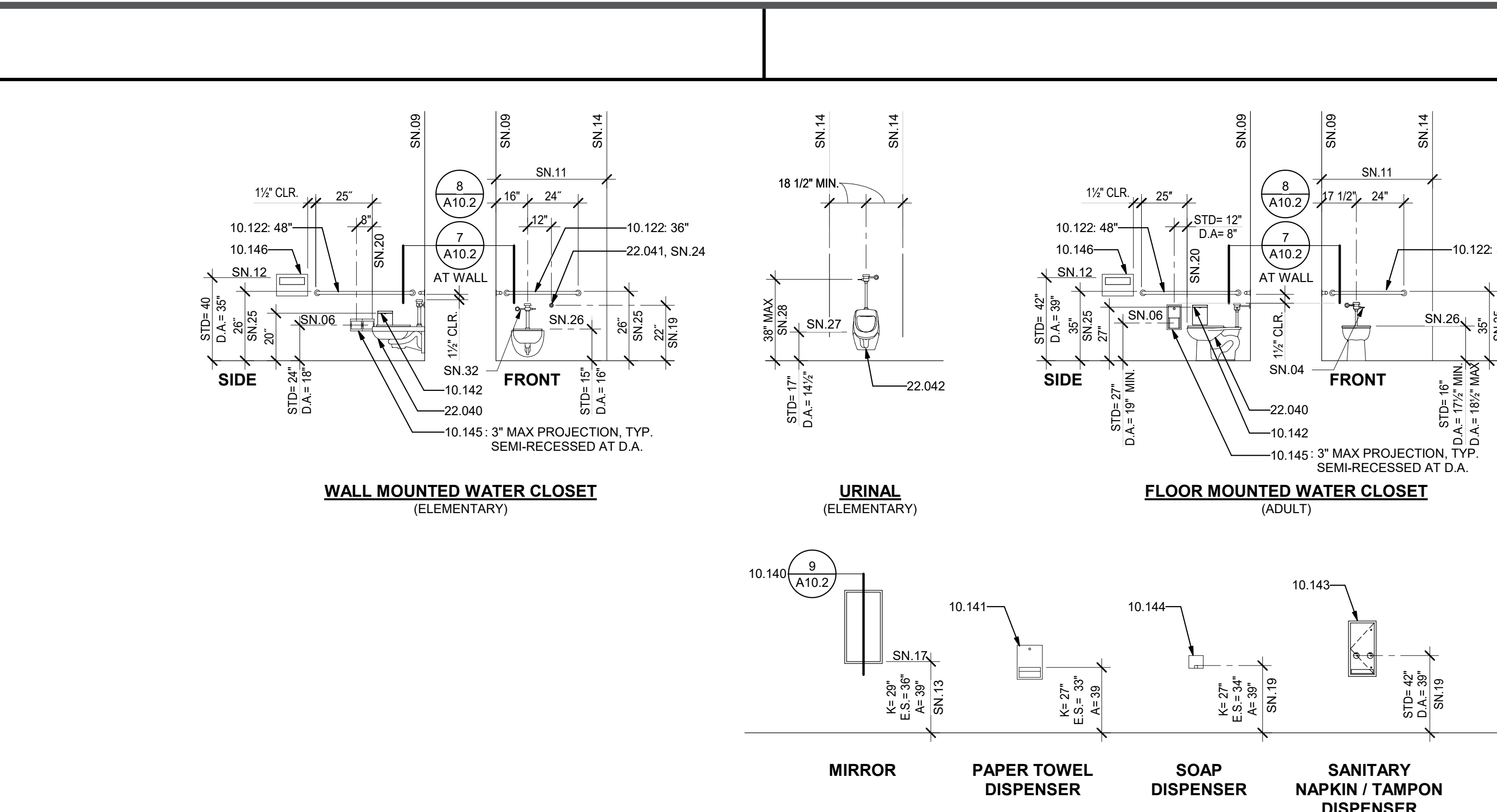


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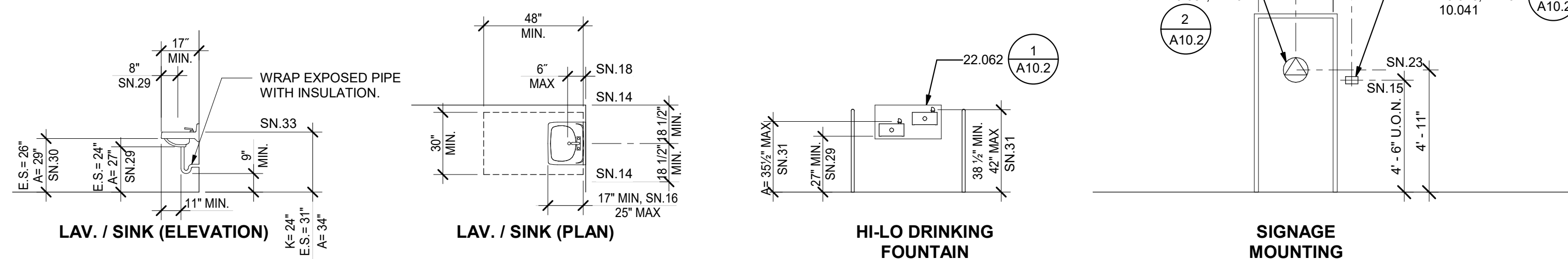
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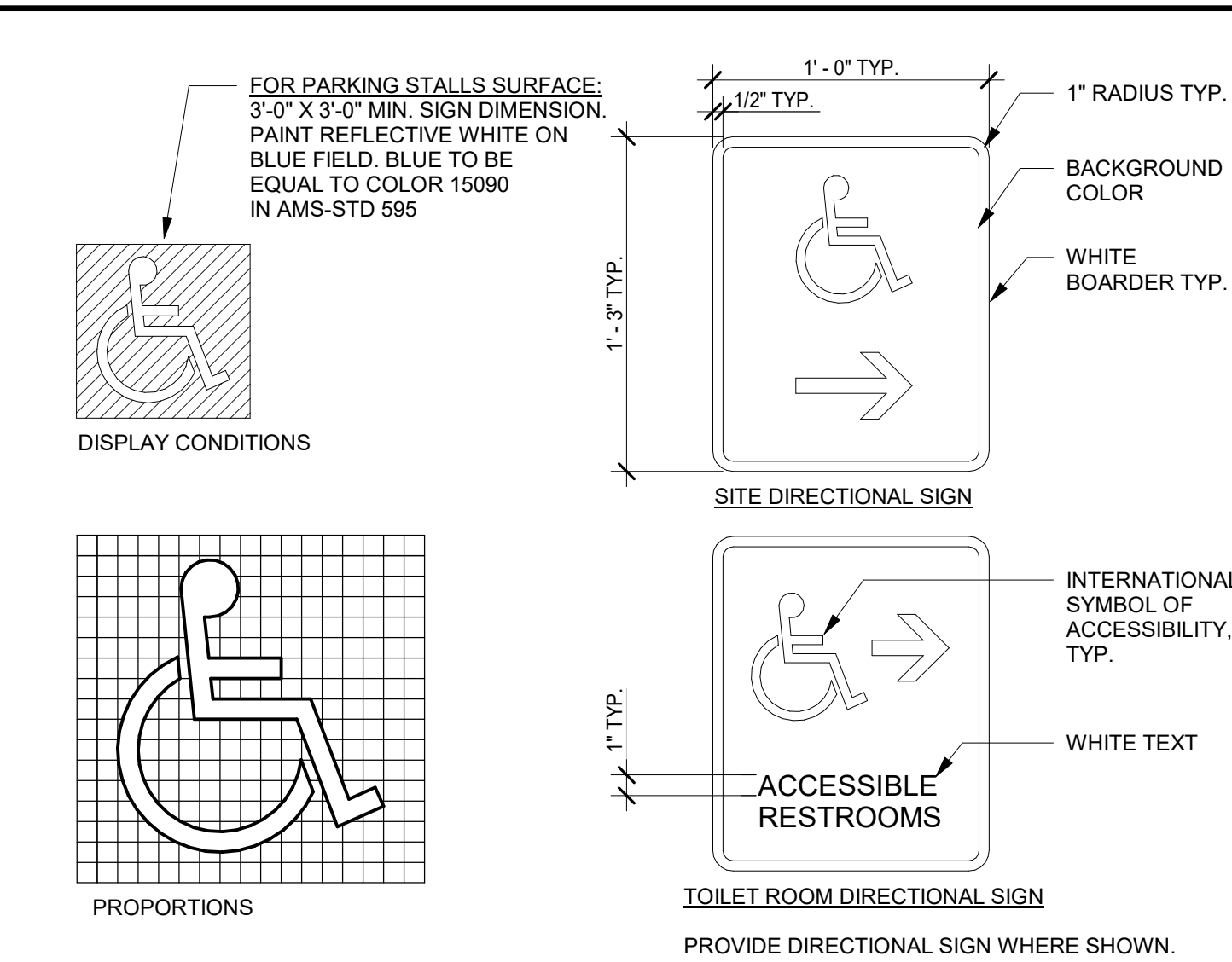


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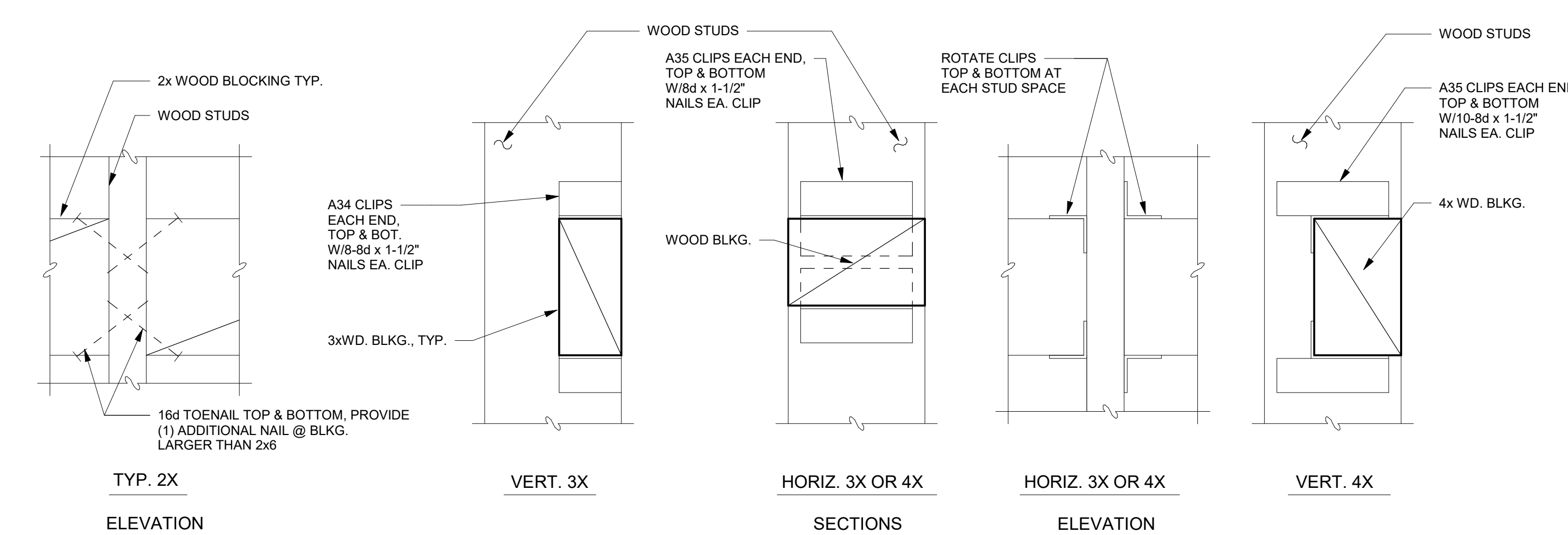
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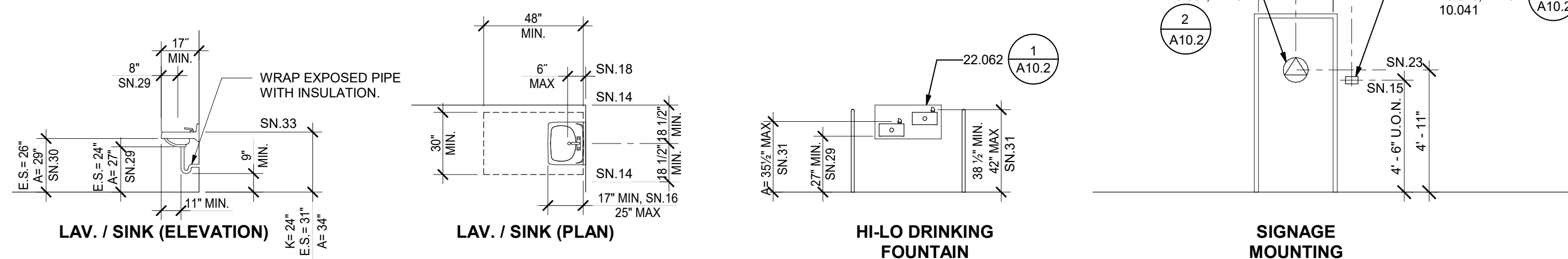
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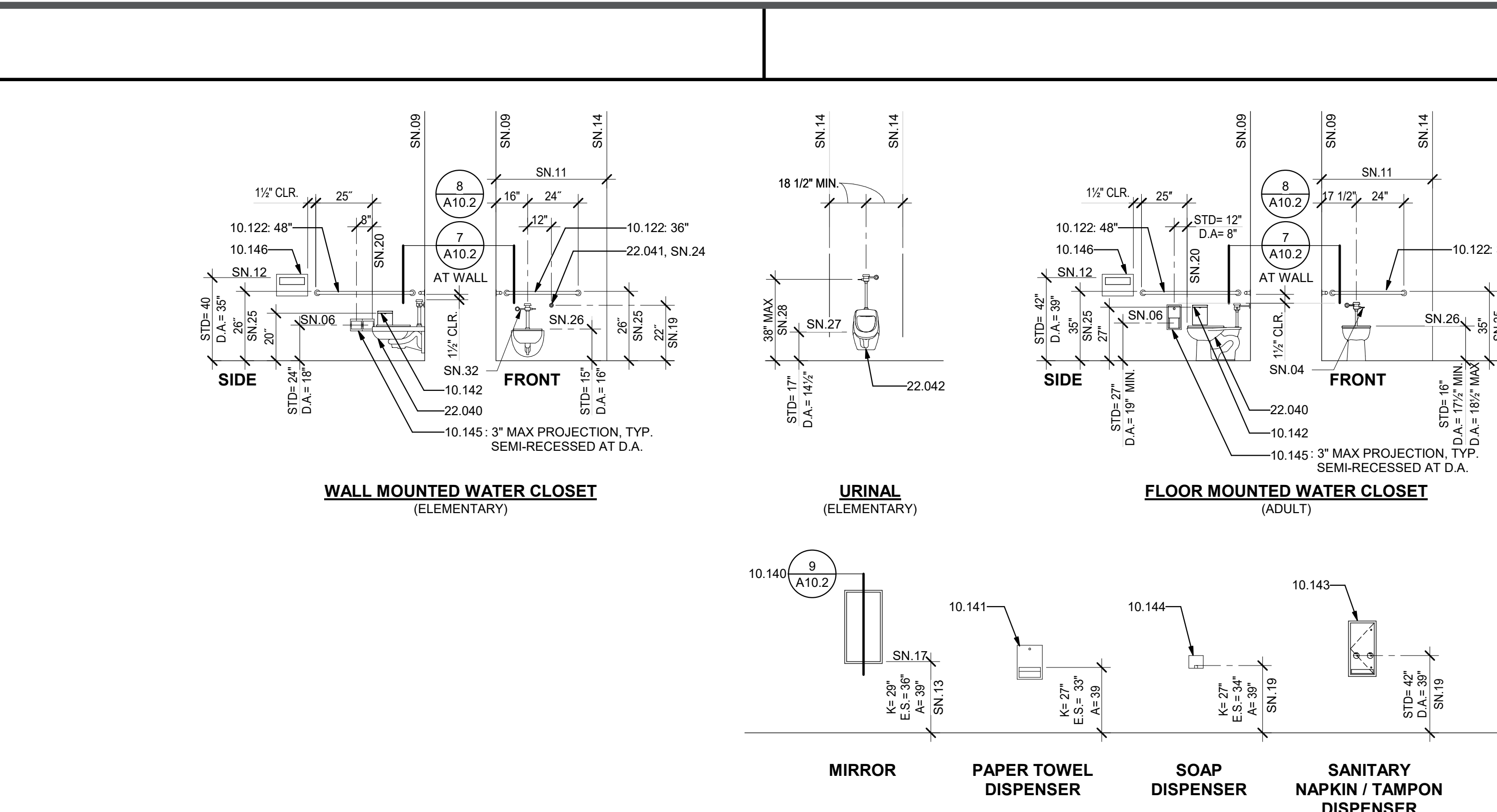


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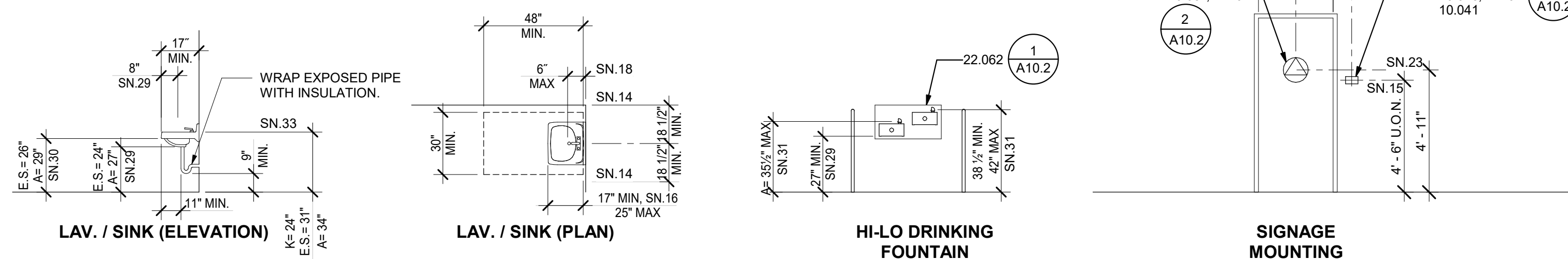
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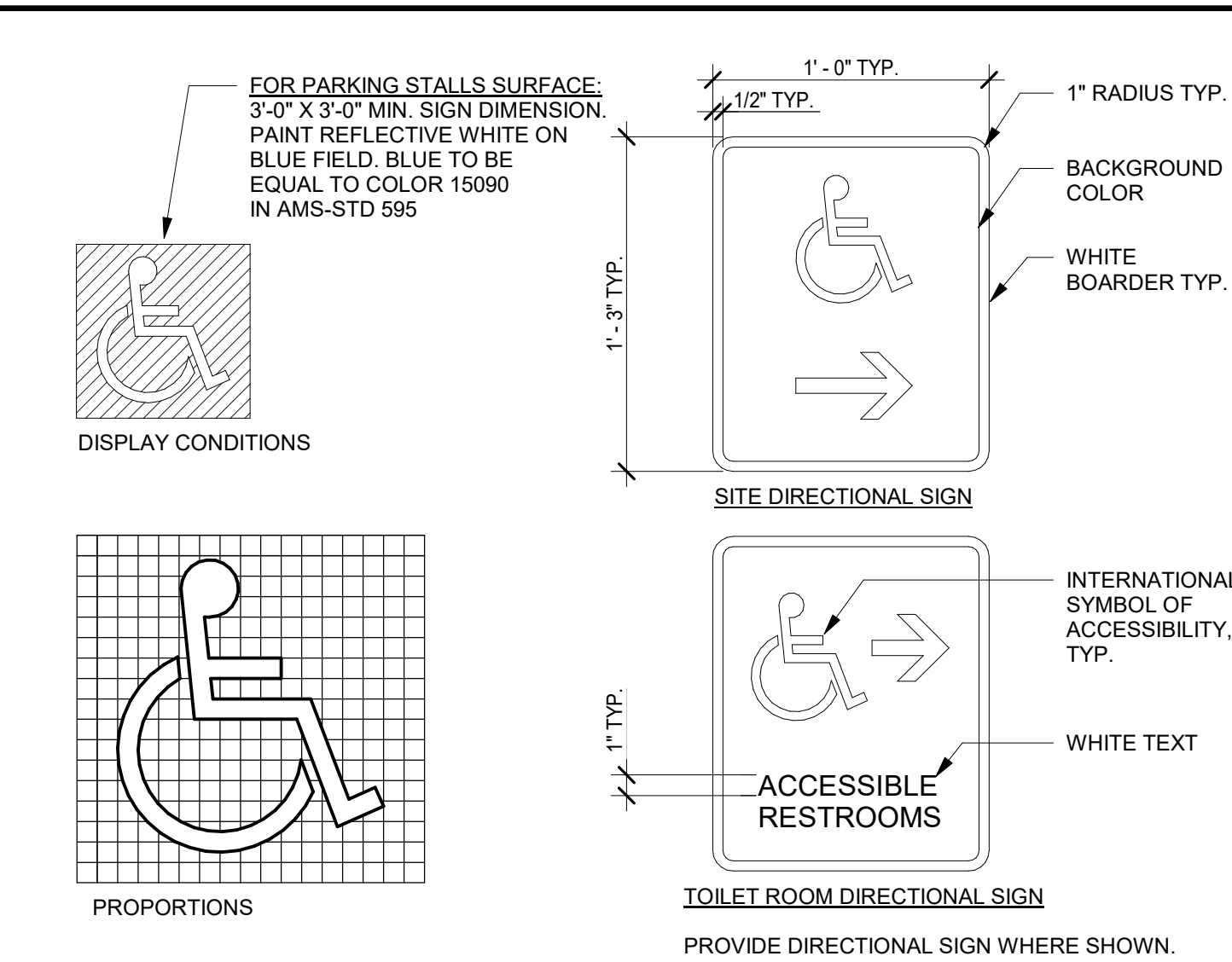


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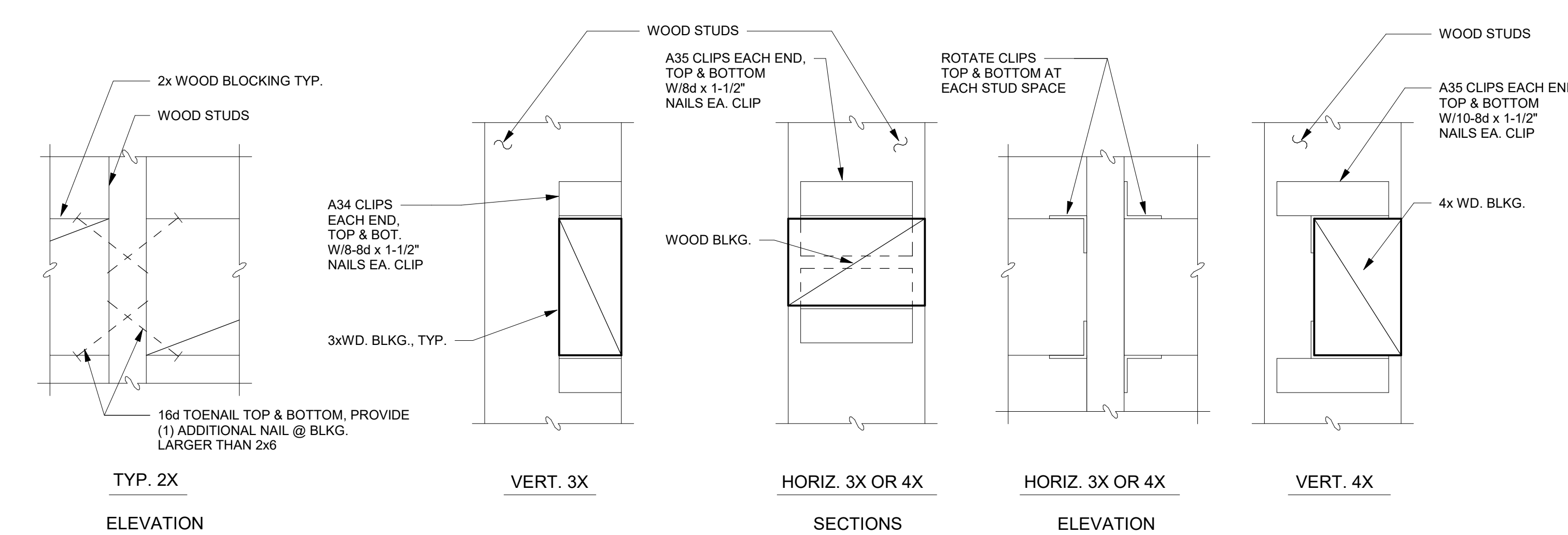
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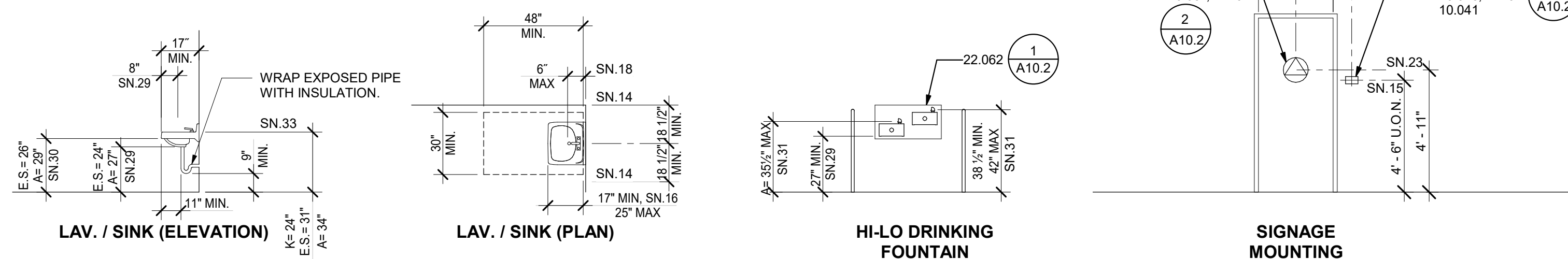
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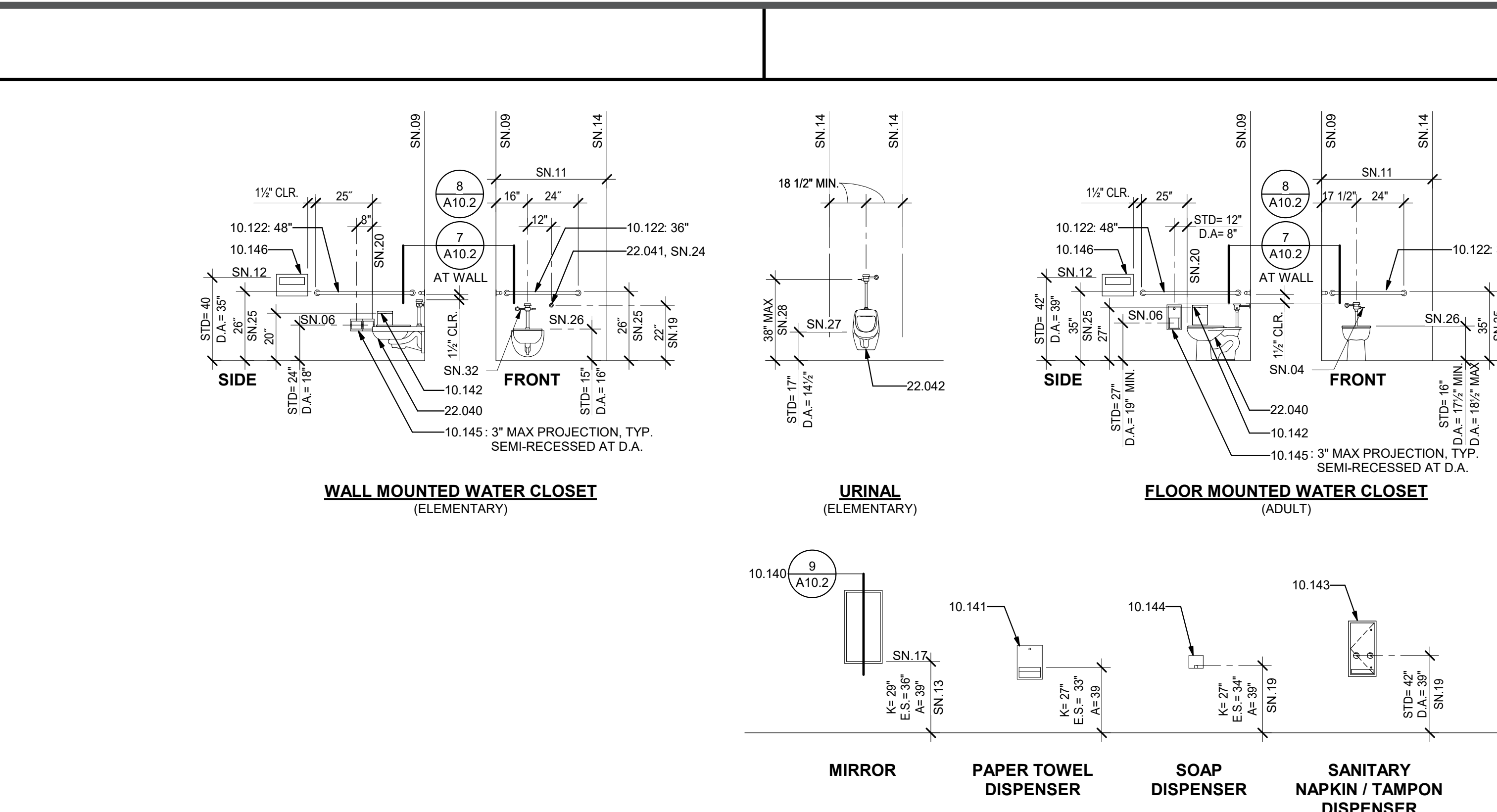


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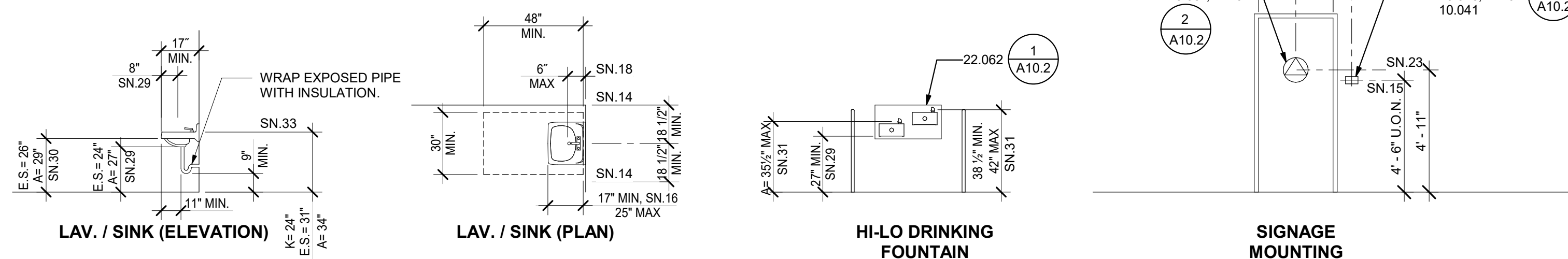
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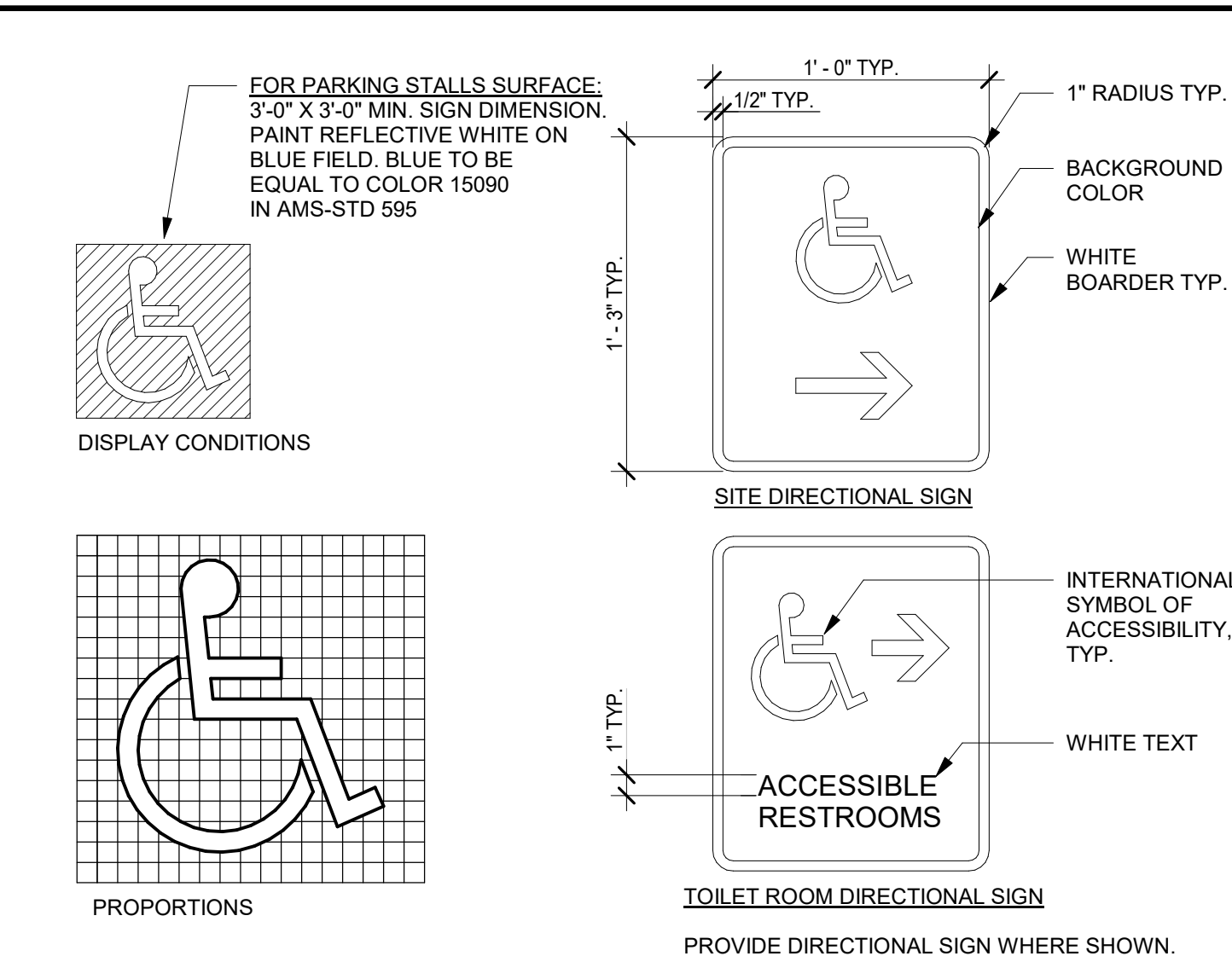


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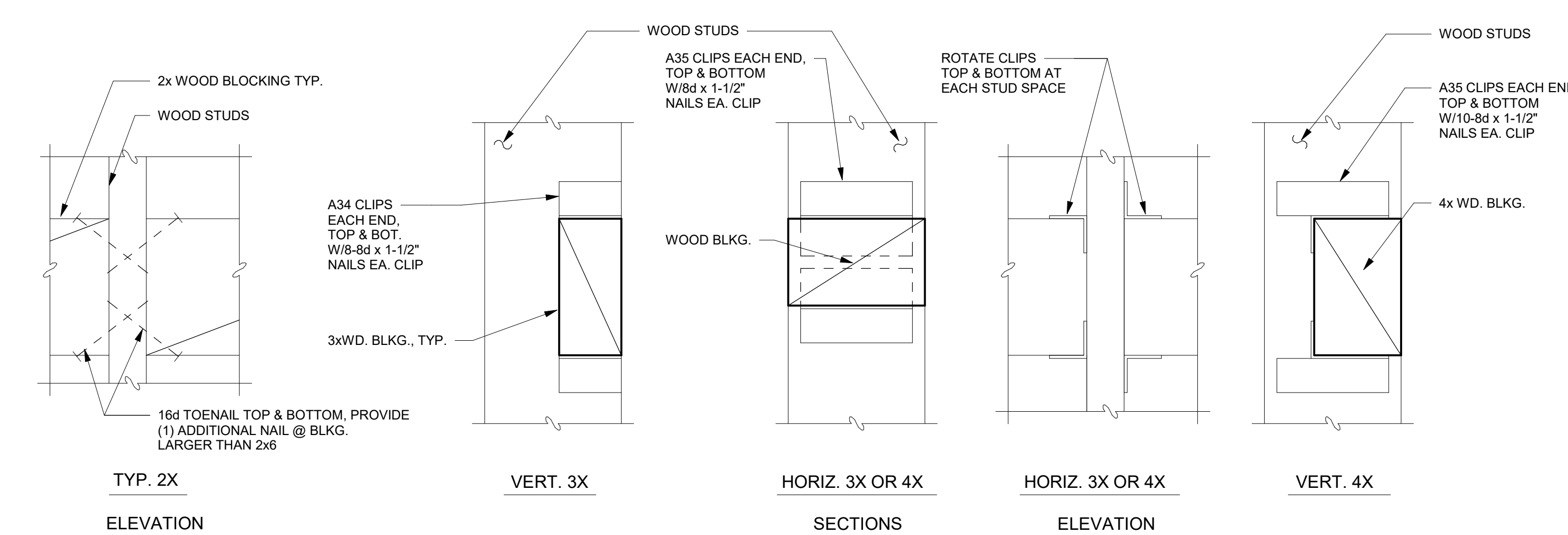
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DESIGN VALUES	
DESCRIPTION	DESIGN VALUES ¹
DEAD AND LIVE LOADS	
ROOF LIVE LOAD	20 PSF
ROOF DEAD LOAD (SUPERIMPOSED ON FRAME) ²	LOAD SCENARIO= (1, 2) DL = (3.5 PSF, 2.0 PSF)
ALLOWABLE SOIL PRESSURE ^{3, 5}	
SPREAD PAD	
VERTICAL BEARING: DL + Lr + SEISMIC (CONCRETE FOOTING)	1500 PSF
LATERAL COHESION: DL + Lr + SEISMIC (CONCRETE FOOTING)	130 PSF
DRILLED PIER	
SKIN FRICTION DOWN : DL + Lr + SEISMIC (CONCRETE FOOTING) PER 1810A.3.3.1.4	167 PSF
SKIN FRICTION (UPLIFT): DL + Lr SEISMIC (CONCRETE FOOTING) PER 1810A.3.31.5	83 PSF
LATERAL BEARING: DL + Lr + SEISMIC (CONCRETE FOOTING) PER 1810A.3.3.2	100 PSF/FT
ROOF SNOW LOAD ⁴	
GROUND SNOW LOAD, Pg	10 PSF
RISK CATEGORY	II
ROOF SNOW LOAD: [] FLAT, Pf OR [] LOW SLOPE, Pm OR [X] SLOPED, Ps	10 PSF
SNOW ROOF SLOPE FACTOR, Cs	1
SNOW EXPOSURE FACTOR, Ce	1.2
SNOW LOAD IMPORTANCE FACTOR, Is	1.0
THERMAL FACTOR, Ct	1.2
DRIFT SURCHARGE LOAD, Pd	0 PSF
DISTANCE FROM ADJACENT STRUCTURE, Pg = 0 PSF	4 IN
DISTANCE FROM ADJACENT STRUCTURE, Pg > 0 PSF	20 FT
ICE LOAD	0 PSF
FLOOD DESIGN	
FLOOD HAZARD AREA	NO
WIND DESIGN ⁴	
BASIC WIND SPEED (3 SECOND GUST), Vult	110 MPH
EXPOSURE CATEGORY	C
TOPOGRAPHIC FACTOR, Kzt (1 MINIMUM)	1
INTERNAL PRESSURE COEFFICIENT, GCpi (IF APPLICABLE)	0.0
CLEAR WIND FLOW	YES
OBSTRUCTED WIND FLOW	YES
SEISMIC DESIGN ⁴	
LATERAL FORCE-RESISTING SYSTEM	STEEL ORDINARY CANTILEVER COLUMN SYSTEM
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE PROCEDURE
SEISMIC DESIGN CATEGORY (SDC)	E
SEISMIC IMPORTANCE FACTOR, Ie	1.0
DESIGN BASE SHEAR, V	Cs x W
SEISMIC RESPONSE COEFFICIENT, Cs	LOAD SCENARIO = (1, 2) Cs = (0.90, 1.32)
RESPONSE MODIFICATION FACTOR, R	1.25
SITE CLASS ⁷	E
REDUNDANCY FACTOR, p	1.3
MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD, Ss - USED TO DETERMINE Cs	LOAD SCENARIO = (1, 2) Ss = (1.406, 2.063)
SHORT-PERIOD SITE COEFFICIENT, Fa	1.2
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD, Sds - USED TO DETERMINE Cs	LOAD SCENARIO = (1, 2) Sds (MAX) = (1.125, 1.650)
MAPPED SPECTRAL RESPONSE ACCELERATION AT 1 SECOND PERIOD, S1	LOAD SCENARIO = (1, 2) S1 = (0.844, 1.07)
LONG-PERIOD SITE COEFFICIENT, Fv	2.0
DESIGN SPECTRAL RESPONSE ACCELERATION AT 1 SECOND PERIOD, Sd1	LOAD SCENARIO = (1, 2) Sd1 = (1.125, 1.427)
HORIZONTAL OR VERTICAL IRREGULARITIES TYPE(S)	NONE

1. IF SITE-SPECIFIC DESIGN CRITERIA ARE OUTSIDE THE LIMITS OF THESE PC DRAWINGS, CONTACT POLYGON ENGINEERING TO SEE IF AN ENGINEERING LETTER, SUPPLEMENTAL DRAWINGS, AND/OR CALCULATIONS COULD BE SUBMITTED FOR A SITE-SPECIFIC SOLUTION. ANY SITE-SPECIFIC DEVIATION FROM THIS PC MAY NOT BE SUBMITTING TO DSA AS AN OVER-THE-COUNTER.
2. STRUCTURE IS NOT DESIGNED TO SUPPORT SOLAR PANELS. STRUCTURE IS NOT DESIGNED TO SUPPORT SPRINKLER SYSTEMS IN LOAD SCENARIO 2 REGIONS.
3. GEOHAZARD REPORTS ARE REQUIRED IF THE AREA COVERED UNDER THE ROOF EXCEEDS 4000 SQ FT OR IS LOCATED WITHIN STATE OR LOCAL GEOLOGIC HAZARD ZONE. VERIFY SUBMITTAL AND APPROVAL OF A GEOHAZARD REPORT BY CGS PRIOR TO DSA SITE APPLICATION.
4. STRUCTURAL SEPARATION BETWEEN ADJACENT STRUCTURES: RAM 20= 5.0", RAM 30= 3.0"
STRUCTURAL SEPARATION BETWEEN EXISTING STRUCTURES: RAM 20= 5.5", RAM 30= 4.0"
5. WHEN PLACING MULTIPLE CANOPIES WITH PIER FOOTINGS ADJACENT TO ONE ANOTHER, THE DESIGN MAY REQUIRE AN ANALYSIS OF GROUP EFFECTS ON THE FOUNDATIONS. THE MINIMUM CLEARANCE BETWEEN CENTER OF PIERS IS EIGHT TIMES PIER DIAMETER WITHOUT AN ACCOMPANYING ENGINEERING LETTER
6. SITE APPLICATION DESIGN PROFESSIONAL AND DSA REVIEWER SHALL VERIFY THE STRUCTURE TO BE LOCATED AT LEAST 20 FEET FROM ANY HIGHER ADJACENT STRUCTURE IF GROUND SNOW IS GREATER THAN ZERO.
7. DESIGN COMPLIES WITH THE CONDITIONS OF EXCEPTION 1 OF ASCE 7-16 SECTION 11.4.8, ITEM 2.
8. APPROVED FIRE APPARATUS ACCESS ROADS SHALL EXTEND TO WITHIN 150 FEET OF ALL PORTIONS OF THE PERIMETER OF THE STRUCTURE PER CFC 503.1.1.

ARCHITECTURAL REQUIREMENTS:

DESCRIPTION	DESIGN VALUES
TYPE OF CONSTRUCTION	II B
NUMBER OF STORIES	1
FIRE SPRINKLER SYSTEM	NOT BY POLYGON

RELATED BUILDING CODES AND STANDARDS:

TITLE 24 CODES:

2022 California Administrative Code (CAC).....(Part 1, Title 24, CCR)
2022 California Building Code (CBC), Volumes 1 and 2.....(Part 2, Title 24, CCR)
2021 International Building Code with 2022 California amendments)
2022 California Electrical Code (CEC).....(Part 3, Title 24, CCR)
2020 National Electrical Code with 2022 California amendments)
2022 California Mechanical Code (CMC).....(Part 4, Title 24, CCR)
2021 Uniform Mechanical Code with 2022 California amendments)
2022 California Plumbing Code (CPC).....(Part 5, Title 24, CCR)
2021 Uniform Plumbing Code with 2022 California amendments)
2022 California Energy Code.....(Part 6, Title 24, CCR)
2022 California Fire Code (CFC).....(Part 9, Title 24, CCR)
2021 International Fire Code with 2022 California Amendments)
2022 California Existing Building Code (CEBC).....(Part 10, Title 24, CCR)
2022 California Green Building Standards Code.....(Part 11, Title 24, CCR)
2022 California Referenced Standards Code.....(Part 12, Title 24, CCR)
Title 19 CCR, Public Safety, State Marshal Regulations

NFPA 13 - 2016
NFPA 72 - 2016

REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS:

2022 CBC, CHAPTER 35
2022 CFC, CHAPTER 80

SCOPE OF WORK NARRATIVE:

THESE DRAWINGS ILLUSTRATE THE FABRICATION AND INSTALLATION REQUIREMENTS FOR A FREE-STANDING PREFABRICATED STEEL SHADE STRUCTURE. THE ENTIRE STRUCTURAL SYSTEM IS COMPRISED OF TUBULAR STEEL MEMBERS SUPPORTED ON CONCRETE FOUNDATION. THE FLEXIBILITY IN THE DESIGN HEREIN ALLOWS THIS STRUCTURE TO COMPLY WITH A WIDE VARIETY OF PROJECT SITES AND LOADING REQUIREMENTS.

INSTRUCTIONS FOR ARCHITECTS PLANNING TO SUBMIT THESE PRE-CHECKED DRAWINGS TO DSA:

STEP 1 PROJECT INFORMATION	
PROJECT NAME	LODI UNIFIED SCHOOL DISTRICT LUNCH SHELTERS - ANSEL ADAMS ELEMENTARY SCHOOL
SCHOOL DISTRICT	LODI UNIFIED SCHOOL DISTRICT
USE AND OCCUPANCY CLASSIFICATION	A-3 (PROPOSED OCCUPANCY: A1, A2, A3, A4, A5, B, E)
OCCUPANT LOAD FACTOR	15 (15 SQFT/PERSON MAX, 5 SQFT/PERSON MIN FOR ANY A OCCUPANCY 20 SQFT/PERSON MAX FOR B OR E OCCUPANCY)
TOTAL ROOF AREA	1,920 (MAXIMUM 4500 SQFT FOR ANY A OCCUPANCY, 10,000 SQFT FOR B OCCUPANCY, AND 5000 SQFT FOR E OCCUPANCY)
NUMBER OF OCCUPANTS	128 (MAXIMUM 300 FOR ANY A OCCUPANCY, 500 FOR B OCCUPANCY, AND 250 FOR E OCCUPANCY)

STEP 2 DESIGN OPTIONS		
ROOF DECK	☐ MULTI-RIB (MR)	DEFAULT, WEIGHT 1.2 PSF
	☒ STANDING SEAM (SS)	WEIGHT 1.8 PSF
GUTTERS	☐ NO	DEFAULT
	☒ YES	SEE RAM7.0 FOR DETAILS
ELECTRICAL ACCESS	☐ NO	DEFAULT
	☒ YES	SEE RAM7.1 FOR DETAILS
CLEAR HEIGHT	☐ 8'	DEFAULT
	☒ 10' OTHER	10' MAX

STEP 3 SEISMIC ACCELERATION		
Ss	0 . 7 . 8 . 0 (g)	
S1	0 . 2 . 6 . 0 (g)	

STEP 4 SEISMIC REGIONS		
0.000 < Ss <= 1.406	S1 <= 0.844	☒ WHITE 3.5 PSF MAX DEA LOAD
1.406 < Ss <= 2.063	S1 <= 1.070	☐ GREEN 2.0 PSF MAX DEAD LOAD

STEP 5 TOTAL ROOF DEAD LOAD		
ROOF DECK	1 . 8 . PSF	SEE STEP 2 'ROOF DECK FOR WEIGHTS
COLLATERAL	0 . 0 . PSF	LIGHTING , FIRE SUPPRESSION, ETC.
TOTAL	1 . 8 . PSF	ADD 'ROOF DECK' AND 'COLLATERAL'

STEP 6 LOAD SCENARIO		
WHITE	TOTAL ROOF DEAD LAOD <= 3.5 PSF	☒ LOAD SCENARIO 1
GREEN	TOTAL ROOF DEAD LOAD < 2.0 PSF	☐ LOAD SCENARIO 2

STEP 7 PC STRUCTURE		
ROOF WIDTH <= 20	☐ RAM 20	
20 < ROOF WIDTH <= 30	☒ RAM 30	

STEP 8 STRUCTURE SIZE			
ROOF WIDTH	RAM 20		RAM 30
	☐ 20'	DEFAULT	☐ 30'
	☐ MAX	OTHER 9' MIN; 20'	☒ 26' OTHER 20'-6" MIN; 30' MAX
ROOF LENGTH	☐ 44'	2 BAYS	☐ 44'
	☐ 64'	3 BAYS	☐ 64'
	☐ 84'	4 BAYS	☐ 84'
	☐ OTHER		☒ 56' OTHER

STEP 9 FOUNDATION TYPE			
FOUNDATION TYPE	RAM 20		RAM 30
	☐ SPREAD PAD	☐ DRILLED PIER	☐ SPREAD PAD ☒ DRILLED PIER

STEP 10 FOUNDATION SUMMARY			
RAM 20		RAM 30	
☐ LOAD SCENARIO 1 SPREAD PAD	☐ LOAD SCENARIO 1 DRILLED PIER	☐ LOAD SCENARIO 1 SPREAD PAD	☒ LOAD SCENARIO 1 DRILLED PIER
☐ LOAD SCENARIO 2 SPREAD PAD	☐ LOAD SCENARIO 2 DRILLED PIER	☐ LOAD SCENARIO 2 SPREAD PAD	☐ LOAD SCENARIO 2 DRILLED PIER

STEP 11 SHEET INDEX								
BASE FRAME	RAM 20 SHEET INDEX				RAM 30 SHEET INDEX			
	MR	SS			MR	SS		
FOUNDATION TYPE	SPREAD PAD	DRILLED PIER	SPREAD PAD	DRILLED PIER	SPREAD PAD	DRILLED PIER	SPREAD PAD	DRILLED PIER
SELECT ONE	☐	☐	☐	☐	☐	☐	☐	☒
ORDER FORM	RAM1.0	RAM1.0	RAM1.0	RAM1.0	RAM1.0	RAM1.0	RAM1.0	RAM1.0
NOTES AND SPECIAL INSPECTIONS	RAM1.1	RAM1.1	RAM1.1	RAM1.1	RAM1.1	RAM1.1	RAM1.1	RAM1.1
FOUNDATION PLAN	RAM2.0	RAM2.1	RAM2.0	RAM2.1	RAM2.2	RAM2.3	RAM2.2	RAM2.3
FRAMING PLAN	RAM3.0	RAM3.0	RAM3.0	RAM3.0	RAM3.1	RAM3.1	RAM3.1	RAM3.1
FRAME CONNECTION DETAILS	RAM4.0	RAM4.0	RAM4.0	RAM4.0	RAM4.2	RAM4.2	RAM4.2	RAM4.2
SECTION DETAILS	RAM4.1	RAM4.1	RAM4.1	RAM4.1	RAM4.3	RAM4.3	RAM4.3	RAM4.3
ARCHITECTURAL VIEWS	RAM5.0	RAM5.0	RAM5.0	RAM5.0	RAM5.1	RAM5.1	RAM5.1	RAM5.1
ROOF CONNECTION DETAILS	RAM6.0	RAM6.0	RAM6.1	RAM6.1	RAM6.0	RAM6.0	RAM6.1	RAM6.1
MISC DESIGN OPTIONS	RAM7.0	RAM7.0	RAM7.0	RAM7.0	RAM7.0	RAM7.0	RAM7.0	RAM7.0
ELETRICAL CUTOUTS	RAM7.1	RAM7.1	RAM7.1	RAM7.1	RAM7.1	RAM7.1	RAM7.1	RAM7.1

STEP 12 MULTIPLE STRUCTURES		
MULTIPLE STRUCTURES	ROOF WIDTH X LENGTH	
	QTY	

STEP 1: GENERAL PROJECT INFORMATION

- IDENTIFY PROJECT NAME AND SCHOOL DISTRICT
- IDENTIFY USE AND OCCUPANCY CLASSIFICATION
 - THE USE AND OCCUPANCY DETERMINE THE MAXIMUM SQUARE FOOTAGE OF THE STRUCTURE
 - THE MAXIMUM SQUARE FOOTAGE IS ALSO LIMITED BY THE NUMBER OF OCCUPANTS
- IDENTIFY THE OCCUPANT LOAD PER TABLE 1004.5 IN THE CBC
- IDENTIFY TOTAL ROOF AREA WHICH SHALL NOT EXCEED ALLOWABLE AREA PER TABLE 506.2 IN THE CBC.
- IDENTIFY EXPECTED NUMBER OF OCCUPANTS BASED ON THE ESTIMATED OCCUPANT LOAD
- TOTAL ROOF AREA DIVIDED BY OCCUPANT LOAD CAN DETERMINE NUMBER OF OCCUPANTS

STEP 2: DESIGN OPTIONS

- SELECT ROOF DECK FOR YOUR PROJECT
 - 'MR' REPRESENTS MCELROY METAL 'MULTI-RIB' ROOF DECK
 - 'SS' REPRESENTS MCELROY METAL 'MEDALLION-LOK' 16" STANDING SEAM ROOF DECK
- SELECT WHETHER GUTTERS AND DOWNSPOUTS FROM POLIGON IS NEEDED FOR YOUR PROJECT
- IF YES, THEN INCLUDE SHEET RAM7.0 IN THE DRAWING SET
- SELECT WHETHER ELECTRICAL CUTOUTS ARE NEEDED FOR YOUR PROJECT
 - SHEET RAM7.0 SHOWS ELECTRICAL CUTOUT SIZE AND LOCATION CUTOUTS IN COLUMNS
 - SHEET RAM7.1 HAS INSTRUCTIONS AND SHEET TO IDENTIFY WHICH COLUMNS
 - SHEET RAM7.1 MUST BE FILLED OUT IN THE SUBMITTAL SET APPROVED BY DSA
 - IF NOTHING IS FILLED IN ON RAM7.1, POLIGON WILL ASSUME CUTOUTS ARE ONLY IN COLUMN A1 (SEE 'FRAMING PLAN' FOR REFERENCE)
- SELECT CLEAR HEIGHT (SEE 'ARCHITECTURAL VIEWS' SHEET FOR REFERENCE)
- IF NOTHING IS SELECTED, POLIGON WILL ASSUME THE DEFAULT FOR EACH DESIGN OPTION

STEP 3: IDENTIFY THE Ss & S1 ACCELERATION (g) FOR YOUR PROJECT AND GEOTECHNICAL INFORMATION

- Ss & S1 VALUE DETERMINES THE REQUIRED SEISMIC DESIGN FORCES
- Ss & S1 VALUE DEPENDS ON PROJECT'S GEOGRAPHICAL LOCATION
 - FIND Ss & S1 VALUES FOR YOUR PROJECT IN THE SITE SPECIFIC GEOTECHNICAL REPORT
 - FIND Ss & S1 VALUES FOR YOUR PROJECT USING (https://asce7hazardtool.online/)
- THIS PC IS NOT APPROVED FOR Ss VALUES GREATER THAN 2.063 (CONTACT POLIGON FOR ADDITIONAL OPTIONS)

STEP 4: IDENTIFY THE SEISMIC REGION FOR YOUR PROJECT

- THE REGIONS ARE DEPENDANT ON THE Ss & S1 VALUE DETERMINED IN STEP 3
- THE SEISMIC REGION DICTATES THE MAXIMUM DEAD LOAD PERMITTED (SEE TABLE TO THE LEFT)

STEP 5: IDENTIFY THE ROOF DEAD LOAD FOR YOUR PROJECT

- THE ROOF DECK DEAD LOAD WILL ALWAYS BE INCLUDED
- THE COLLATERAL LOAD REPRESENTS ADDITIONAL LOAD THAT CAN BE SUPPORTED BY THE FRAME
- TOTAL ROOF DEAD LOAD MUST BE LESS THAN OR EQUAL TO THE MAX DEAD LOAD SHOWN IN STEP 4
- CUT SHEETS OF ANY BOARDS, BOXES AND EQUIPMENT TO BE MOUNTED ON THE STRUCTURE, INCLUDING WEIGHTS AND DIMENSIONS ARE REQUIRED

STEP 6: IDENTIFY THE LOAD SCENARIO

- REFERENCE THE STEP 4 COLOR AND SELECT THE APPLICABLE LOAD SCENARIO
- LOAD SCENARIOS HAVE NO IMPACT ON FRAME DESIGN OR COST, BUT DO AFFECT FOUNDATION SIZE

STEP 7: IDENTIFY PC STRUCTURE

- ROOF WIDTHS UP TO 20' WIDE USE THE "RAM 20"
- ROOF WIDTHS UP TO 30' WIDE USE THE "RAM 30"
- THE 20' AND 30' WIDTHS ARE SUGGESTED BECAUSE THEY ARE THE MOST ECONOMICAL
- MAXIMUM WIDTH IS 30'; (SEE 'ARCHITECTURAL VIEWS' SHEET FOR REFERENCE)

STEP 8: IDENTIFY SITE SPECIFIC ROOF WIDTH AND LENGTH

- DO NOT EXCEED THE TOTAL ROOF AREA FROM STEP 1 (ROOF WIDTH MULTIPLIED BY ROOF LENGTH)

STEP 9: FOUNDATION TYPE

- SELECT A FOUNDATION BASED THE DESIRED FOUNDATION TYPE
- SELECT EITHER SPREAD PAD OR DRILLED PIER FOUNDATION PRIOR TO APPROVAL
- FOUNDATION TYPE IMPACTS CONSTRUCTION (TIMING, SEQUENCE, COST, ETC.)
- FOUNDATION TYPE IMPACTS ANCHOR BOLT LENGTH (NOT PROVIDED BY POLIGON)
- REVIEW OF SITE-SPECIFIC SOILS REPORT TO EVALUATE APPLICABILITY OF FOUNDATION OPTIONS AVAILABLE

STEP 10: FOUNDATION SUMMARY

- USE THE SELECTIONS FROM STEP 6 AND STEP 9 TO SELECT THE APPROPRIATE FOUNDATION

STEP 11: SELECT APPLICABLE SHEET INDEX FOR YOUR PROJECT

- IDENTIFY THE APPLICABLE SHEET INDEX
- INCLUDE APPLICABLE SHEETS WITH YOUR DSA SUBMITTAL
- EXCLUDE 'MISC DESIGN OPTIONS' SHEET FOR PROJECTS WITHOUT ELECTRICAL CUTOUTS OR GUTTERS
- EXCLUDE 'ELECTRICAL CUTOUTS' SHEET FOR PROJECTS WITHOUT ELECTRICAL CUTOUTS

STEP 12: MULTIPLE STRUCTURES WITH THE SAME PC#

- FILL IN ROOF LENGTH AND WIDTH OF STRUCTURES AS WELL AS QUANTITY
- UNO ON THE POLIGON DRAWINGS. POLIGON WILL ASSUME ALL DESIGN CRITERIA FOR EACH STRUCTURE IS THE SAME
- CONTACT POLIGON FOR FURTHER INFORMATION

SHEET INDEX					
1	RAM1.0	ORDER FORM	11	RAM4.2	FRAME CONNECTION DETAILS - RAM 30
2	RAM1.1	NOTES AND SPECIAL INSPECTIONS	12	RAM4.3	SECTION DETAILS - RAM 30
3	RAM2.0	FOUNDATION PLAN SPREAD PAD - RAM 20	13	RAM5.0	ARCHITECTURAL VIEWS - RAM 20
4	RAM2.1	FOUNDATION PLAN DRILLED PIER - RAM 20	14	RAM5.1	ARCHITECTURAL VIEWS - RAM 30
5	RAM2.2	FOUNDATION PLAN SPREAD PAD - RAM 30	15	RAM6.0	ROOF CONNECTION DETAILS
6	RAM2.3	FOUNDATION PLAN DRILLED PIER - RAM 30	16	RAM6.1	ROOF CONNECTION DETAILS
7	RAM3.0	FRAMING PLAN - RAM 20	17	RAM7.0	MISC DESIGN OPTIONS
8	RAM3.1	FRAMING PLAN - RAM 30	18	RAM7.1	ELECTRICAL CUTOUTS
9	RAM4.0	FRAME CONNECTION DETAILS - RAM 20			
10	RAM4.1	SECTION DETAILS - RAM 20			
TOTAL SHEETS = 18					

ABBREVIATIONS:

ACI	AMERICAN CONCRETE INSTITUTE	MR	MULTI-RIB ROOF PANEL (MCELROY)
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	NTS	NOT TO SCALE
ASM	ASSEMBLY (INTERNAL REFERENCE)	NO	NUMBER
ASTM	AMERICAN SOCIETY FOR TESTING AND MATLS	OC	ON CENTER
AWS	AMERICAN WELDING SOCIETY	OSHA	OCCUPATIONAL HEALTH AND SAFETY ADM.
CBC	CALIFORNIA BUILDING CODE	PCF	POUNDS PER CUBIC FOOT
CJP	COMPLETE JOINT PENETRATION	PD	POLIGON DRAWING
CLR	CLEAR	PJ	PRETENSIONED JOINT
DEG	DEGREE	PLCS	PLACES
DIA	DIAMETER	PLT	PLATE
DIM	DIMENSION	PSF	POUNDS PER SQUARE FOOT
DSA	DIVISION OF THE STATE ARCHITECT	PSI	POUNDS PER SQUARE INCH
EQ	EQUAL	QTY	QUANTITY
FT	FEET	REF	REFERENCE
GA	GAGE	SS	SQUARE
IN	INCHES	SQ	STANDING SEAM ROOF PANEL (MCELROY)
KSI	KIPS PER SQUARE INCH	TYP	TYPICAL
MAX	MAXIMUM	UNO	UNLESS NOTED OTHERWISE
MIN	MINIMUM	USGS	U.S. GEOLOGICAL SURVEY
MISC	MISCELLANEOUS	W/	WITH
MPH	MILES PER HOUR		

SPECIFICATIONS

PART 1 - GENERAL

- 1.1 STRUCTURE DESCRIPTION
- A. STRUCTURE(S) BASED ON THE FOLLOWING PC DESIGN(S):
 - 1. HIP ROOF (RAM)

1.2 DESIGN REQUIREMENTS

- A. MEET THE DESIGN INTENT SHOWN ON THE PC DRAWINGS APPROVED FOR THIS PROJECT.
 - 1. DESIGN CRITERIA
 - 2. MEMBERS SIZES
 - 3. HIDDEN BOLTED CONNECTIONS BETWEEN STRUCTURAL MEMBERS
 - 4. COLUMN ANCHORAGE SHALL INCLUDE FOUR (4) BOLTS IN COMPLIANCE WITH OSHA 1926.755(A)(1).
 - 5. NO FIELD WELDING PERMITTED
 - 6. NO FIELD PAINTING PERMITTED
 - 7. ROOF DIMENSIONS AND SLOPES
 - 8. EXPOSED STEEL ROOF FASTENERS (IF APPLICABLE) POWDER COATED BY MANUFACTURER
 - 9. ROOF DECK SPANS FROM PEAK TO EAVE AND PERMITS PROPER DRAINAGE WITHOUT DEBRIS BUILD-UP.

1.3 SUBMITTALS

- A. DRAWINGS AND CALCULATIONS SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE APPROPRIATE STATE.
- B. ONLY MANUFACTURERS THAT SUBMIT DRAWINGS AND CALCULATIONS PRIOR TO BID SHALL BE CONSIDERED.
- C. MANUFACTURER MUST BE ABLE TO SUBMIT APPROPRIATE LABORATORY TESTS FOR THE FOLLOWING:
 - 1. FRAME FINISH REQUIREMENTS LISTED IN PART 2 OF THIS SPECIFICATION.
 - 2. CERTIFIED MILL TEST REPORTS FOR STRUCTURAL STEEL (DESCRIBING THE CHEMICAL AND PHYSICAL PROPERTIES).
 - 3. CERTIFIED MILL TEST REPORTS FOR STRUCTURAL BOLTS.

1.4 TECHNICAL SUPPORT

- A. MANUFACTURER MUST HAVE IN-HOUSE ENGINEERING DEPARTMENT AND A PROFESSIONAL ENGINEER LICENSED IN THE APPROPRIATE STATE TO ANSWER TECHNICAL QUESTIONS.

1.5 QUALITY ASSURANCE

- A. GENERAL
 - 1. FABRICATION PROCEDURES SHALL COMPLY WITH APPLICABLE CODES AND LOCAL REGULATIONS.
 - 2. REQUIRED STRUCTURAL TESTS AND SPECIAL INSPECTIONS INCLUDED ON THE PROJECT DSA-103 FORM.
- B. MANUFACTURER QUALIFICATIONS
 - 1. MINIMUM (10) YEARS ENGINEERING AND FABRICATING PRE-ENGINEERED STRUCTURES
 - 2. MANUFACTURER OWNED AND OPERATED POWDER COAT PAINT FINISH SYSTEM
 - 3. ALL AWS CERTIFIED WELDERS
 - 4. FULL-TIME PROFESSIONAL ENGINEER ON STAFF LICENSED IN THE APPROPRIATE STATE
 - 5. FULL-TIME AWS CERTIFIED ASSOCIATE WELDING INSPECTOR ON STAFF
 - 6. FULL-TIME LEED AP ON STAFF
- C. MANUFACTURER CERTIFICATIONS
 - 1. PCI 4000 CERTIFICATION THROUGH POWDER COATING INSTITUTE (PCI)
 - 2. AISC CERTIFIED FABRICATOR

1.6 MANUFACTURER WARRANTY

GENERAL:

- GENERAL NOTES AND TYPICAL DETAILS SHALL APPLY TO ALL PARTS OF THE JOB EXCEPT WHERE THEY MAY CONFLICT WITH DETAILS ON OTHER SHEETS. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED SUBJECT TO REVIEW BY THE STRUCTURAL ENGINEER FOR THIS PROJECT.
- WORK SHALL CONFORM TO THE REQUIREMENTS, AS AMENDED TO DATE, OF THE LATEST ADOPTED EDITION OF THE CBC, C.A.C. TITLE 24, AND ALL OTHER LOCAL, STATE AND FEDERAL REGULATIONS.
- OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER FOR THIS PROJECT PRIOR TO PROCEEDING WITH ANY WORK INVOLVED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE STRUCTURAL ENGINEER FOR THIS PROJECT AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
- THESE CONSTRUCTION DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, INCLUDING, BUT NOT LIMITED TO, BRACING, TEMPORARY SUPPORTS, AND SHORING. OBSERVATION VISITS TO THE SITE BY FIELD REPRESENTATIVES OF THE ARCHITECT/ENGINEER SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES. ANY SUPPORT SERVICES PERFORMED BY THE ARCHITECT/ENGINEER DURING THE CONSTRUCTION SHALL BE DISTINGUISHED FROM CONSTRUCTION AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ARCHITECT/ENGINEER, WHETHER OF MATERIAL OR WORK, ARE FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DOCUMENTS, BUT DO NOT GUARANTEE CONSTRUCTION.
- ASTM DESIGNATIONS AND ALL STANDARDS REFER TO THE LATEST AMENDMENTS.
- CONFORM TO APPLICABLE CAL/OSHA CONSTRUCTION SAFETY REGULATIONS FOR ALL WORK PERFORMED DURING CONSTRUCTION. JOB SITE SAFETY IS STRICTLY THE RESPONSIBILITY OF THE CONTRACTOR AND NOT THE ARCHITECT/ENGINEER OR OWNER.
- THE ENGINEER AND THEIR CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, HANDLING, REMOVAL OR DISPOSAL OF HAZARDOUS MATERIALS AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED, TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
- SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS, OR IF A CHANGE IN THE SCOPE OF WORK IS PROPOSED, A CONSTRUCTION CHANGE DOCUMENT DETAILING AND SPECIFYING THE REQUIRED CHANGE(S) SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.
- THE SCHOOL DISTRICT'S INSPECTOR OF RECORD SHALL INSPECT AND APPROVE THE ERECTED FRAME PRIOR TO ROOF INSTALLATION.
- SEE REQUIREMENTS FOR LOCATION IN ANY FIRE HAZARD SEVERITY ZONE FOR WILDLAND URBAN INTERFACE AREAS (WUI) AS SPECIFIED IN THE APPLICABLE VERSION OF THE CALIFORNIA BUILDING CODE. PROVIDE PROTECTION AND DETAILS OF ALL AREAS COMPLYING WITH THE WUI REQUIREMENTS.
- LOCATING THIS STRUCTURE CLOSER THAN 20 FEET TO OTHER STRUCTURES MAY AFFECT THE ALLOWABLE AREA FOR THE EXISTING CONSTRUCTION PER THE APPLICABLE VERSION OF THE CALIFORNIA BUILDING CODE.
- VIEWS AND DETAILS ARE NOT DRAWN TO SCALE (UNLESS NOTED OTHERWISE). DO NOT SCALE THESE DRAWINGS.
- OTHER SITE SPECIFIC ITEMS MAY BE REQUIRED.
- WHEN A SITE-SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED AND SIGNED FROM A SOILS ENGINEER IS NEEDED TO VALIDATE THE ALLOWABLE SOIL VALUES SPECIFIED IN THE PC ARE STILL APPLICABLE.

STRUCTURAL AND MISCELLANEOUS STEEL:

- ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) 360 - 16 AND 303-16 MANUAL REFERENCED BY THE 2022 EDITION OF THE CALIFORNIA BUILDING CODE.
- PIPE SECTIONS SHALL CONFORM TO ASTM A53, Fy = 35 ksi, GRADE B UNLESS NOTED OTHERWISE.
- STRUCTURAL TUBING (HSS SHAPES) SHALL CONFORM TO ASTM A500, GRADE B (OR HIGHER), Fy = 46 KSI.
- IF MATERIAL AVAILABILITY IS LIMITED, MEMBER THICKNESSES CAN BE INCREASED BEYOND WHAT IS SHOWN IN THESE DRAWINGS (MAXIMUM INCREASE OF 1/8").
- ALL CHANNELS, ANGLES, PLATES AND MISC. STEEL SHALL CONFORM TO ASTM A36, Fy = 36 KSI.
- ALL COLD FORM STEEL SHALL CONFORM TO ASTM A653, CS = TYPE B, Fy = 50 KSI.
- STRUCTURAL STEEL AND DECK SHALL BE IDENTIFIED FOR CONFORMITY PER CBC 2202A.1.
- ROOF DECK SHALL HAVE KYNAR 5000 METAL COATING.
- ROOF DECK SHALL CONFORM TO ASTM A792, Fy = 50 KSI.
- MR ROOF SCREWS MEET ASTM A510 WITH A HEAD DIMENSION OF 0.31" (FLAT-TO-FLAT) AND INTEGRAL WASHER DIMENSION OF 0.58" (OUTSIDE DIAMETER).
- SS ROOF SCREWS MEET ASTM A510 WITH A HEAD DIMENSION OF 0.437" (OUTSIDE DIAMETER).

WELDING:

- ALL WELDING SHALL COMPLY WITH AWS D1.1 SPECIFICATIONS AND SHALL BE DONE BY AWS QUALIFIED WELDERS CERTIFIED FOR THE TYPE OF WELDING TO BE PERFORMED.
- ALL WELDING SHALL BE DONE BY GAS METAL ARC PROCESS WITH E70XX ELECTRODES. FLUX CORE ARC WELD SHALL CONFORM TO CHARPY NOTCH TOUGHNESS RATING OF 20 ft-lb @ (0° F).
- ALL WELDING SHALL BE DONE IN THE SHOP WITH REQUIRED INSPECTION, PRE-APPROVED BY DSA, TO ENSURE PROPER MATERIAL ID AND WELDING.
- WELD FILLER METAL MANUFACTURER SHALL PROVIDE WRITTEN CERTIFICATION OF COMPLIANCE WITH CODE AND SPECIFICATIONS.

BOLTING:

- ALL BOLTS SHOWN ON THESE DRAWINGS ARE ASTM F3125 (A325 TYPE 1) HIGH STRENGTH BOLTS (UNO) AND SHALL BE HOT DIPPED GALVANIZED PER ASTM F2329.
- HIGH STRENGTH BOLTS SHALL BE SAMPLED AND TESTED IN COMPLIANCE WITH CBC 2213A.1.
- BEFORE ERECTING THE FRAME, VERIFY ALL BOLTS AND NUTS ARE CLEAN OF DEBRIS AND BURRS - INCLUDING THE HARDWARE ALREADY FASTENED INSIDE THE MEMBERS. CHASING SOME OF THE BOLTS AND NUTS MAY BE REQUIRED.
- ANCHOR BOLTS (HEAVY HEX HEAD, ASTM F1554, GRADE 55) SHALL BE HOT DIPPED GALVANIZED PER ASTM F2329. ANCHOR BOLTS MAY BE HEADED OR THREADED WITH A NUT THAT IS PREVENTED FROM ROTATING.
- HIGH STRENGTH NUTS SHALL CONFORM TO ASTM A563 AND SHALL BE GALVANIZED PER ASTM F2329.
- HIGH STRENGTH WASHERS SHALL CONFORM TO ASTM F436 AND SHALL BE GALVANIZED PER ASTM F2329.
- THE BOLTING INSTALLATION REQUIREMENTS OUTLINED BELOW ARE CRITICAL TO THE STRUCTURE'S DESIGN AND PERFORMANCE. THE INSTALLER IS REQUIRED TO COORDINATE THIS PHASE OF CONSTRUCTION WITH THE SPECIAL BOLTING INSPECTOR AND THE INSPECTOR OF RECORD PRIOR TO THE ERECTION OF THE FRAME. ALL BOLTS SHALL BE INSTALLED AND INSPECTED PER THE APPLICABLE VERSION OF AISC'S "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS", CBC 1705A.2.1; AISC 341-16 J7; AISC 360-16 N5.6.
 - PRETENSIONED JOINTS (IDENTIFIED ON THE FRAME CONNECTION DETAILS WITH A "PJ REQUIRED") MUST BE INSTALLED AND INSPECTED TO MEET ONE OF FOLLOWING REQUIREMENTS:
 - TURN-OF-NUT PRETENSIONING
 - CALIBRATED WRENCH PRETENSIONING
 - DIRECT-TENSION-INDICATOR PRETENSIONING (CONTRACTOR RESPONSIBLE FOR PURCHASE OF REQUIRED WASHERS)
 - ALL OTHER JOINTS MUST BE INSTALLED AND INSPECTED TO MEET THE REQUIREMENTS OF SNUG-TIGHTENED JOINTS. NOTE TO INSTALLER AND INSPECTOR(S): THE SNUG-TIGHT CONDITION EXISTS, IN PART, WHEN ALL THE BOLTS IN THE JOINT HAVE BEEN TIGHTENED SUFFICIENTLY TO PREVENT THE REMOVAL OF THE NUTS WITHOUT THE USE OF A WRENCH.

THE CONTRACTOR, SPECIAL BOLTING INSPECTOR AND THE INSPECTOR OF RECORD MUST ALL AGREE ON WHICH APPROACH WILL BE USED TO PRETENSION THE BOLTS. THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THE APPROACH AGREED TO BY ALL PARTIES LISTED ABOVE.

FOUNDATIONS:

- ALLOWABLE SOIL PRESSURES ASSUME CLASS 5 SOIL CLASSIFICATION PER 2022 CBC TABLE 1806A.2.
 - FILL AND BACKFILL SHALL BE COMPACTED TO 95% OF MAX. DENSITY IN ACCORDANCE WITH ASTM TEST METHOD D1557. FLOODING NOT PERMITTED.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING, ETC. NECESSARY TO SUPPORT CUT AND/OR FILL BANKS DURING EXCAVATION, AND FORMING AND PLACEMENT OF CONCRETE.
 - STRUCTURES SHALL BE SETBACK FROM ADJACENT SLOPES TO PROVIDE FIRM MATERIAL FOR EMBEDMENT AND FOR PROTECTION FROM SLOPE DRAINAGE, EROSION, AND SHALLOW FAILURES.
 - BOTTOM OF ASCENDING SLOPE: THE SMALLER OF HALF THE HEIGHT OF THE SLOPE AND 15FT MEASURED FROM THE FACE OF THE STRUCTURE TO THE TOE OF THE SLOPE
 - TOP OF DECENDING SLOPE: THE SMALLER OF A THIRD OF THE HEIGHT OF THE SLOPE AND 40 FT MEASURED FROM THE FACE OF THE FOOTING TO THE TOP OF THE SLOPE
- ALTERNATE SETBACKS ARE PERMITTED, SUBJECT FOR APPROVAL. A GEOTECHNICAL INVESTIGATION MAY BE REQUIRED.
- STRUCTURES PLACED ON LIQUIFIABLE SOILS OR SITE CLASS F MAY NOT BE SUBMITTED FOR AN OVER THE COUNTER REVIEW.

CONCRETE:

- MIX DESIGN REQUIREMENTS: (NORMAL WEIGHT CONCRETE)

MINIMUM STRENGTH F _c (28 DAYS)	EXPOSURE CATEGORY	W/C RATIO MAXIMUM)	SLUMP (± 1")	UNIT WEIGHT (NORMAL WEIGHT)
5000 PSI	F3, S3, W2, C2	0.4	4"	150 PCF

- CHANGES TO THE MIX DESIGN MUST BE APPROVED BY THE ENGINEER OR ARCHITECT OF RECORD AND DSA
- AGGREGATES SHALL CONFORM TO ASTM C33. MAX AGGREGATE SIZE = 1".
- CEMENT SHALL CONFORM TO ASTM C150 (TYPE V) WITH A MAXIMUM EXPANSION OF 0.040%, FOR SULFATE RESISTANCE.
- ADMIXTURES CONTAINING CALCIUM CHLORIDE ARE PROHIBITED.
- CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES SHALL BE AIR ENTRAINED PER ACI 318-19 SECTION 19.3.3.
- CONCRETE SHALL BE MAINTAINED IN A MOIST CONDITION FOR A MINIMUM OF FIVE DAYS AFTER PLACEMENT. ALTERNATE METHODS WILL BE APPROVED IF SATISFACTORY PERFORMANCE CAN BE ASSURED.
- CONCRETE SHALL NOT FREE FALL MORE THAN FIVE FEET.
- CONCRETE SHALL BE PROPORTIONED PER ACI 318-19 26.4.
- CONCRETE SHALL BE TESTED PER CBC 1910A.1, 1705A.3, AND ACI 318-19 26.13. BATCH PLANT INSPECTION NOT REQUIRED. CONTRACTOR SHALL IMPLEMENT WEIGHTMASTER AND BATCH TICKET REQUIREMENTS OF CBC 1705A.3.3.1.

REINFORCING STEEL:

- REINFORCING STEEL SHALL BE DEFORMED STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A615. (DEFORMATIONS SHALL BE IN ACCORDANCE WITH ASTM A305) AS FOLLOWS:
GR 60: (#4 BARS AND LARGER)
GR 40: (#3 BARS)
- DETAILING, FABRICATION, AND ERECTION OF REINFORCING BARS SHALL CONFORM TO THE ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES."
- MIN. COVER FOR CAST-IN-PLACE CONCRETE SHALL BE AS FOLLOWS:
 - CAST AGAINST EARTH..... 3"
 - CAST AGAINST FORM BELOW GRADE..... 2"
 - FORMED SLABS (#1 BAR & SMALLER)..... 3/4"
 - SLABS ON GRADE (FROM TOP OF SLAB)..... 1"
 - COLUMNS AND BEAMS (MAIN BARS)..... 2"
 - WALLS EXPOSED TO WEATHER (#4-#18 BARS)..... 2"
 - WALLS EXPOSED TO WEATHER (#5 & SMALLER)..... 1 1/2"
 - NOT EXPOSED TO WEATHER (#11 & SMALLER)..... 3/4"
- BARS SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIAL LIKELY TO IMPAIR BOND. BENDS SHALL BE MADE COLD.
- FOR #4 BARS AND SMALLER, REINFORCING SHALL BE LAP SPLICED 45 BAR DIA MINIMUM IN CONCRETE. FOR #7 BARS AND LARGER, REINFORCING SHALL BE LAP SPLICED 55 BAR DIAMETERS MINIMUM IN CONCRETE. ALL LAP SPLICES MUST COMPLY WITH ACI 318-19.
- PRIOR TO PLACING OF CONCRETE, REINFORCING STEEL AND EMBEDDED ITEMS SHALL BE WELL SECURED IN POSITION.
- WELDING OF REINFORCING IS NOT ALLOWED
- REINFORCING STEEL SHALL BE SAMPLED AND TESTED PER CBC 1910A.2.

POWDER COATED AND EPOXY PRIMED FINISH:

- ENTIRE POWDER COATING PROCESS COMPLETED IN SAME FACILITY AS STEEL FABRICATION.
- ALL CARBON STEEL MEMBERS (COLUMNS, BEAMS, PLATES, ETC.) PAINTED WITH PRIME COAT PER THE "AISC CODE OF STANDARD PRACTICE" AND THE "AISC SPECIFICATION SECTION M3" (UNLESS NOTED OTHERWISE).
- PARTS PRETREATED IN A 3 STAGE IRON PHOSPHATE WASHER (OR EQUAL).
- EPOXY PRIMER POWDER COAT APPLIED TO PARTS FOR SUPERIOR CORROSION PROTECTION.
- TOP POWDER COAT OF SUPER DURABLE TGIC (COLOR SELECTED FROM MANUFACTURER'S STANDARD OPTIONS OR CUSTOM COLOR).
- SAMPLE PRODUCTION PARTS TESTED TO MEET THE FOLLOWING CRITERIA:
 - SALT SPRAY RESISTANCE PER ASTM B 117/ ASTM D 1654
 - 10000 HOURS WITH NO CREEP FROM SCRIBE LINE AND RATING OF 10
 - HUMIDITY RESISTANCE PER ASTM D2247-02
 - 5000 HOURS WITH NO LOSS OF ADHESION OR BLISTERING
 - COLOR/UV RESISTANCE PER ASTM G154-04
 - 2000 HOURS EXPOSURE ALTERNATE CYCLES WITH NO CHALKING, 75% COLOR RETENTION, AND COLOR VARIATION MAXIMUM 3.0 E VARIATION CIE FORMULA (BEFORE AND AFTER 2000 HOURS EXPOSURE

CONSTRUCTION NOTES

- A DSA-CERTIFIED CLASS 2 INSPECTOR IS REQUIRED FOR THIS PROJECT.
 - CHANGES 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 CCR AND DSA IR A-6.
 - A "DSA-CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE OWNER (E.G. DISTRICT, ETC.) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR
 - A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE OWNER (E.G. DISTRICT, ETC.) SHALL CONDUCT ALL THE REQUIRED TEST AND INSPECTIONS FOR THE PROJECT.
- NOTICE OF DISCLAIMER FOR STRUCTURAL ENGINEER RESPONSIBILITY**
- FOR THE SITE-SPECIFIC PROJECT, NEITHER POLYGON OR GHD ARE THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE.
 - FOR THE SITE-SPECIFIC PROJECT, GHD AND POLYGON'S RESPONSIBILITY IS LIMITED TO THE PREPARATION OF THE PLANS AND SPECIFICATIONS FOR THE STRUCTURES OF THIS PC ONLY.
 - STRUCTURAL OBSERVATION OF CONSTRUCTION IS SPECIFICALLY EXCLUDED FROM GHD AND POLYGON'S RESPONSIBILITY FOR THE SITE-SPECIFIC PROJECT.
 - ALL CONSTRUCTION ACTIVITIES RELATED TO STRUCTURAL ENGINEERING MAY BE DELEGATED TO A QUALIFIED ENGINEER BY THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE. THESE ACTIVITIES INCLUDE, BUT ARE NOT LIMITED TO, APPROVAL OF INSPECTOR QUALIFICATIONS, STRUCTURAL OBSERVATIONS OF CONSTRUCTION, REVIEW OF INSPECTIONS REPORTS, AND SIGNING OFF ON THE VERIFIED REPORT FOR COMPLETED WORK.
 - POLYGON WILL BE RESPONSIBLE FOR RESPONDING TO QUESTIONS PERTAINING TO THE PLANS AND SPECIFICATIONS FOR THE STRUCTURES OF THIS PC WHICH ARISE DURING PLAN REVIEW AND CONSTRUCTION.

SPECIAL INSPECTION NOTES:

- THE PROJECT INSPECTOR AND TESTING AGENCY SHALL BE SELECTED BY THE SCHOOL DISTRICT AND APPROVED BY DSA AND THE ARCHITECT OF RECORD.
- COSTS OF THE PROJECT INSPECTOR AND THE TESTING AGENCY SHALL BE BORN BY THE SCHOOL DISTRICT.
- THE PROJECT INSPECTOR, AND ENTIRE CONSTRUCTION OVERSIGHT PROCESS, SHALL COMPLY WITH DSA PR 13-01.
- ON APPROVED PC DRAWINGS, THE STATEMENT OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS (FORM DSA-103) BELOW ONLY AN EXAMPLE. ON APPROVED PC DRAWINGS, THE EXAMPLE FORM DSA-103 MUST BE CROSSED OUT BEFORE THE PC DRAWINGS CAN BE APPROVED AS PART OF A SITE-SPECIFIC (OR STOCKPILE) PROJECT SO THEY WILL NOT CONFLICT WITH THE OFFICIAL FORM DSA-103 FOR THE PROJECT.

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

Application Number:	School Name:	School District:
DSA File Number:	Increment Number:	Date Submitted:
2022 CBC		

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS	1. TESTED BY	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required.	GE – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative.	
Periodic – Indicates that a periodic special inspection is required.	LOR – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335.	
Test – Indicates that a test is required.	PI – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA.	
	SI – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.	

S1. GENERAL:	Type	Performed By	Code References and Notes
Test or Special Inspection			
☐ a. Verify that: - Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations. - Foundation excavations are extended to proper depth and have reached proper material. - Materials below footings are adequate to achieve the design bearing capacity.		PI	Refer to specific items identified in the Appendix listing exemptions for limitations. Placement of controlled fill exceeding 12" depth under foundations is not permitted without a geotechnical report.

S2. SOIL COMPACTION AND FILL:	Type	Performed By	Code References and Notes
Test or Special Inspection			
☐ a. Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.	Continuous	LOR*	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
☐ b. Compaction testing.	Test	LOR*	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.

S4. CAST-IN-PLACE DEEP FOUNDATIONS (PIES):	Type	Performed By	Code References and Notes
Test or Special Inspection			
☐ a. Inspect drilling operations and maintain complete and accurate records for each pier.	Continuous	PI	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
☐ b. Verify pier locations, diameters, plumbness, and lengths. Record concrete or grout volumes.	Continuous	PI	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
☐ c. Concrete piers.	Provide tests and inspections per CONCRETE section below.		

G1. CAST-IN-PLACE CONCRETE	Type	Performed By	Code References and Notes
Test or Special Inspection			
☐ a. Verify use of required design mix.	Periodic	SI	Table 1705A.3.2 Item 5; 1910A.1.
☐ b. Identify, sample, and test reinforcing steel.	Test	LOR	1910A.2; ACI 318-19 Ch. 20 and Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
☐ c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Test	LOR	Table 1705A.3.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.
☐ d. Test concrete (f _c).	Test	LOR	1905A.1.17; ACI 318-19 Section 26.12.
☐ e. Batch plan inspection:	See Notes	SI	Default of 'Continuous' per 1705A.3.3. If approved by DSA, batch plant inspection may be reduced to 'Periodic' subject to requirements in Section 1705A.3.3.1, or eliminated per 1705A.3.3.2. See IR 17-13. (See Appendix (end of this form) for exemptions.)

S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES	Type	Performed By	Code References and Notes
Test or Special Inspection			
☐ a. Verify identification of all materials and: - Mill certificates indicate material properties that comply with requirements. - Material sizes, types and grades comply with requirements.	Periodic	SI	Table 1705A.2.1 Item 3a–3c; 2202A.1; AISI S100-20 Section A3.1 & A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
☐ b. Test unidentified materials	Test	LOR	2202A.1.
☐ c. Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.
☐ d. Verify and document steel fabrication per DSA-approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses. (1705A.2.4).

S/A2. HIGH-STRENGTH BOLTS:	Type	Performed By	Code References and Notes
Test or Special Inspection			
☐ a. Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA-approved documents.	Periodic	SI	Table 1705A.2.1 Items 1a & 1b, 2202A.1; AISC 360-16 Section A3.3, J3.1, and N3.2; RCSC 2014 Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-9.
☐ b. Test high-strength bolts, nuts and washers.	Test	LOR	Table 1705A.2.1 Item 1c, 2103A.1; RCSC 2014 Section 7.2; DSA IR 17-8.
☐ c. Bearing-type ("snug tight") connections.	Periodic	SI	Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Section 9.1; DSA IR 17-9.
☐ d. Pretensioned and slip-critical connections.		SI	Table 1705A.2.1 Items 2b & 2c, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17-9. * "Continuous" or "Periodic" depends on the tightening method used.

S/A3. WELDING:	Type	Performed By	Code References and Notes
Test or Special Inspection			
☐ a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	Periodic	SI	1706A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1, and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
☐ b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
☐ c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.

S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):	Type	Performed By	Code References and Notes
Test or Special Inspection			
☐ a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds $\geq 5/16"$, plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1–4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☐ b. Inspect single-pass fillet welds $\leq 5/16"$, floor and roof deck welds.	Periodic	SI	1705A.2.5, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.

S/A5. ANCHOR BOLTS AND ANCHOR RODS:	Type	Performed By	Code References and Notes
Test or Special Inspection			
☐ a. Anchor Bolts and Anchor Rods	Test	LOR	Sample and test anchor bolts and anchor rods not readily identifiable per procedures noted in DSA IR 17-11.

Name of Architect or Engineer in general responsible charge:

Name of Structural Engineer (When structural design has been delegated):

Signature of Architect or Structural Engineer: _____ Date: _____

Note: To facilitate DSA electronic mark-ups and identification stamp application, DSA recommends against using secured electronic or digital signatures.

DSA STAMP

DSA 103-22: LIST OF REQUIRED VERIFIED REPORTS, CBC 2022

- Soils Testing and Inspection: Geotechnical Verified Report Form DSA 293
- Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
- Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or for independently contracting SI, Special Inspection Verified Report Form DSA 292
- High-Strength Bolt Installation Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

STATE APPROVALS-SITE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121998 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 10/08/2024

1035 P. AZA, GOLDER ASSOCIATES
SUITE B
CHAPARRAL PARK, CA 92522
(951) 977-0016



polygon
PORTER & PORTER
STRUCTURAL ENGINEERS
11111



STATE APPROVALS-PC

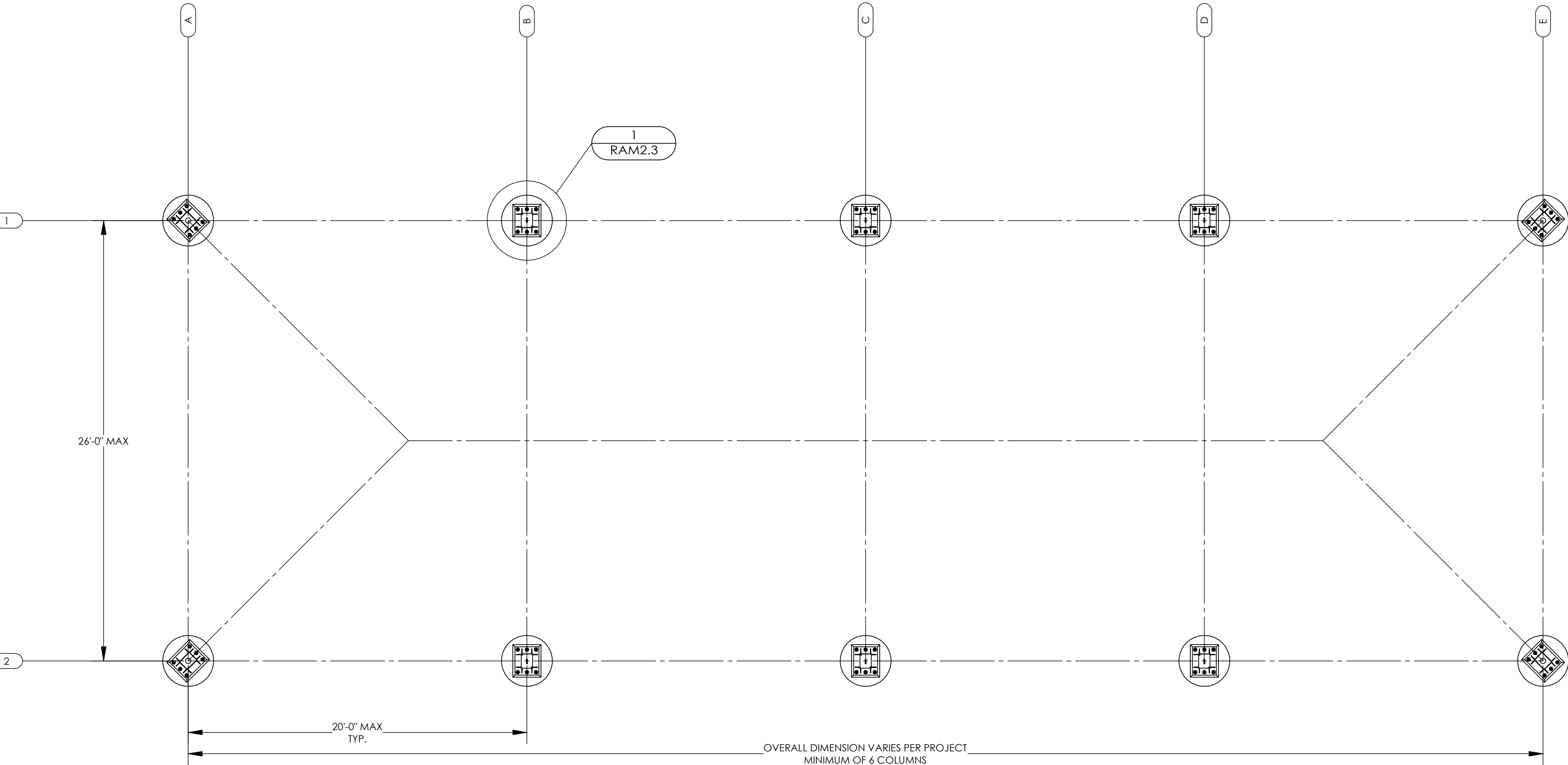
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DIV. OF THE STATE ARCHITECT
APP: 02-121213 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 7/18/2023

**PRE-CHECK (PC)
DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT
APPLICATION FOR
CONSTRUCTION IS REQUIRED.**

**NOTES AND SPECIAL
INSPECTIONS**

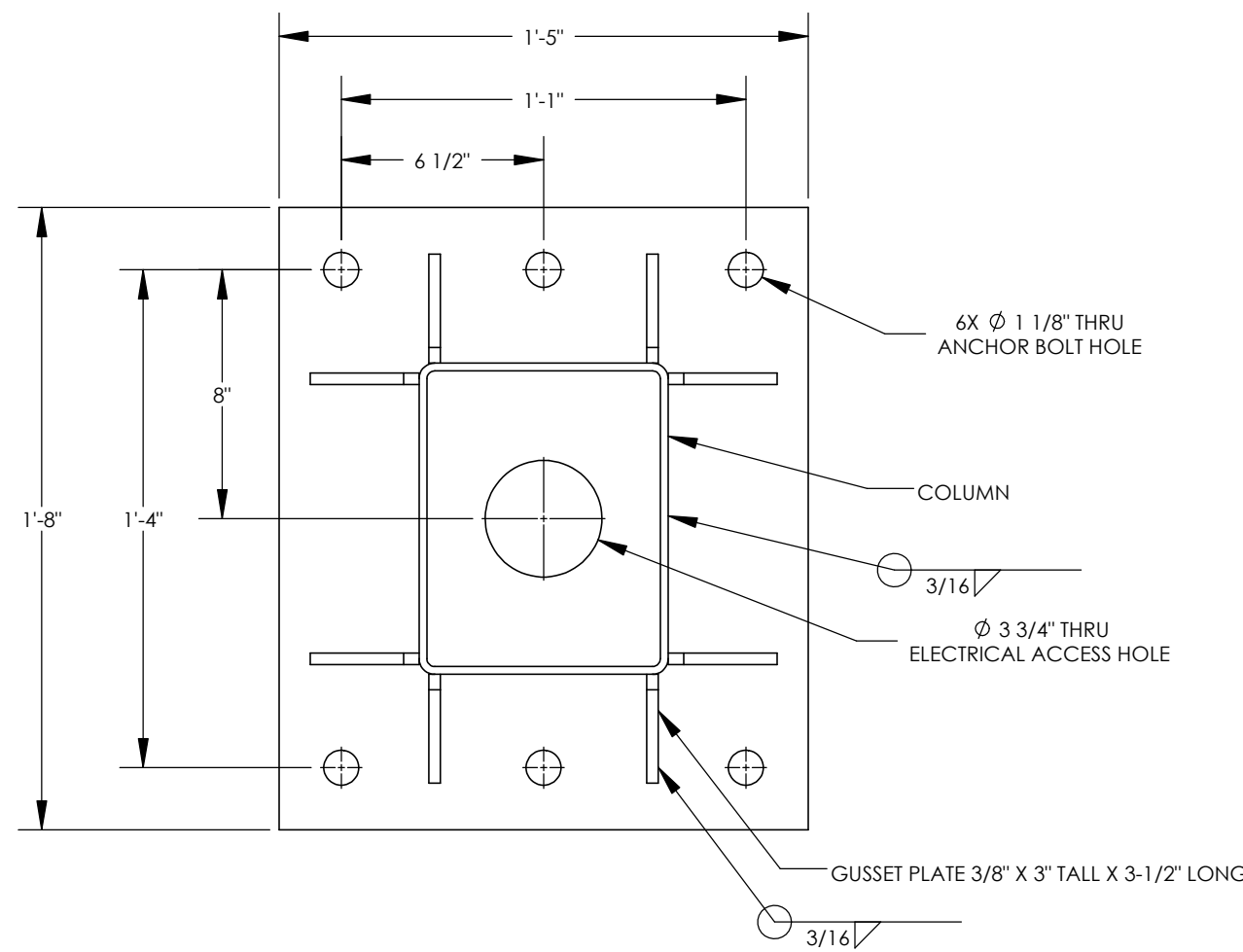
HIP ROOF - RAM

RAM1.1



FOUNDATION PLAN (DRILLED PIER)

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

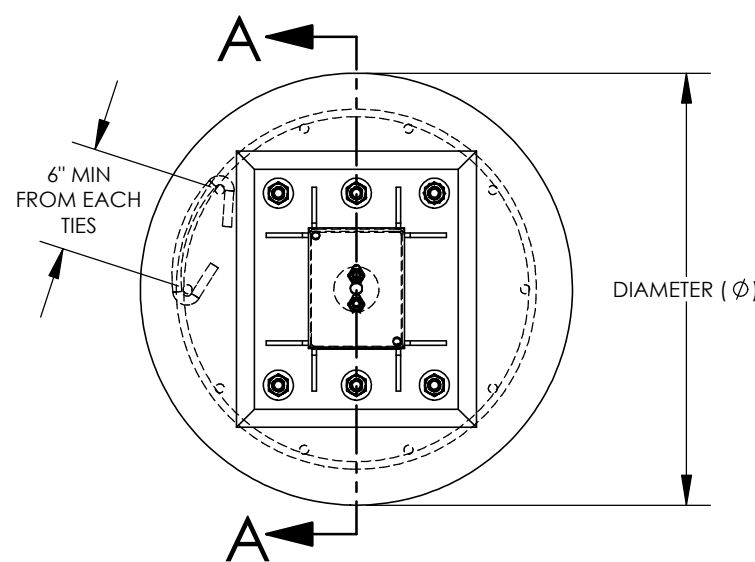


DETAIL 3

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

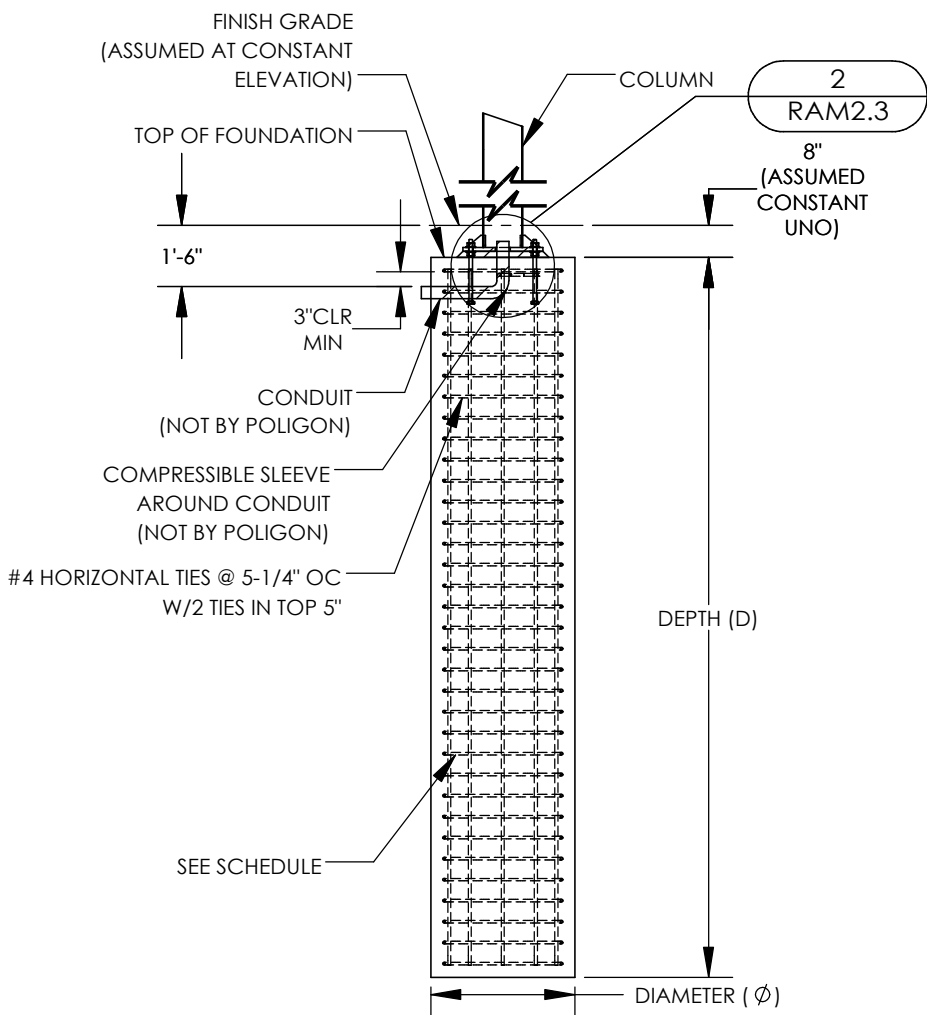
COLUMN BASEPLATE

3



DETAIL 1

SCALE: 3/4" = 1'-0"



SECTION A-A

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

DRILLED PIER FOUNDATION

FOUNDATION REQUIREMENTS VARY PER PROJECT
SEE SHEET RAM1.0 FOR REQUIRED LOAD SCENARIO AND FOUNDATION TYPE (STEP 9 OF 'INSTRUCTIONS')
ONLY REFERENCE COPY OF PC DRAWINGS SUBMITTED FOR THIS PROJECT

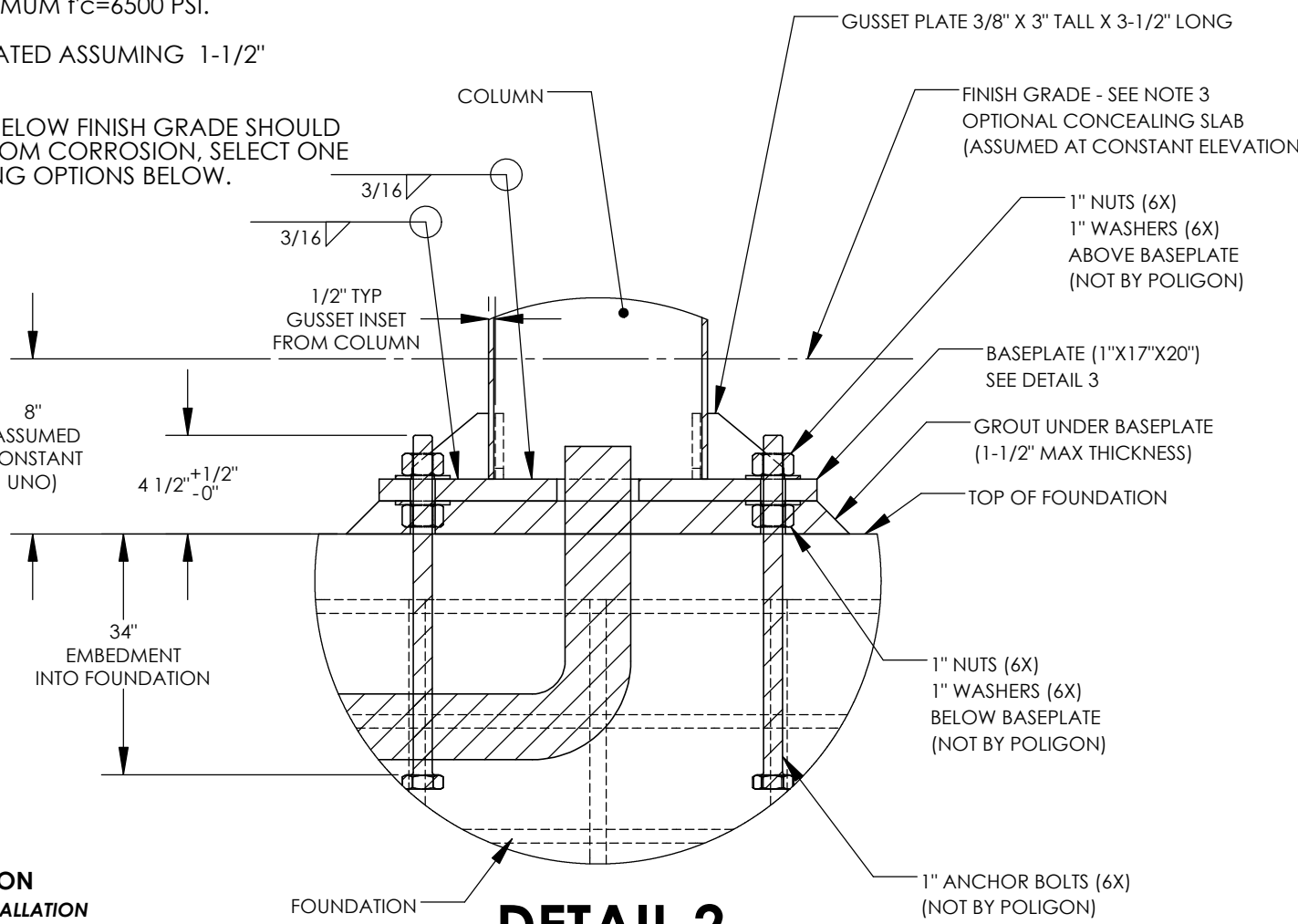
LOAD SCENARIO	DIAMETER (Ø)	DEPTH (D)	VERTICAL REINFORCING ¹	
			SIZE	
			QTY	SIZE
1	3'-0"	13'-0"	10	#7
2	Ø'-Ø"	16'-Ø"	10	#7

¹ EQUALLY SPACED AROUND DRILLED PIER

NOTES:

- GROUT SHALL BE NON-METALLIC, NON-SHRINK GROUT WITH MINIMUM FC=6500 PSI.
- COLUMNS FABRICATED ASSUMING 1-1/2" GROUT PAD.
- COLUMN BASES BELOW FINISH GRADE SHOULD BE PROTECTED FROM CORROSION, SELECT ONE OF THE FOLLOWING OPTIONS BELOW.

COLUMN BASE PROTECTION
BELOW SURFACE COLUMN INSTALLATION
[] CONCRETE SLAB - 3" MIN ANCHOR BOLT COVER
[] MASTIC COATING - 1/4" THICK MIN COATING ON ALL STEEL SURFACES BELOW GRADE



DETAIL 2

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

COLUMN BASEPLATE AND ANCHOR BOLTS

2

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4083 P. AZA, GOLDEN RING, CA 95022
SUITE B
CAMERON TOWN, CA 95022
508.877.0016



poligon
PORTER
4 PLAZA DRIVE



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PRE-CHECK (PC)
DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT
APPLICATION FOR
CONSTRUCTION IS REQUIRED.

FOUNDATION
PLAN DRILLED PIER

HIP ROOF - RAM 30

RAM2.3

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4083 P. AZA, GOLDEN RICH, CA 95822
SUITE B
CAMERON TOWN BK, CA 95822
509.877.0016



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STRUCTURAL ENGINEERS



STATE APPROVALS-PC

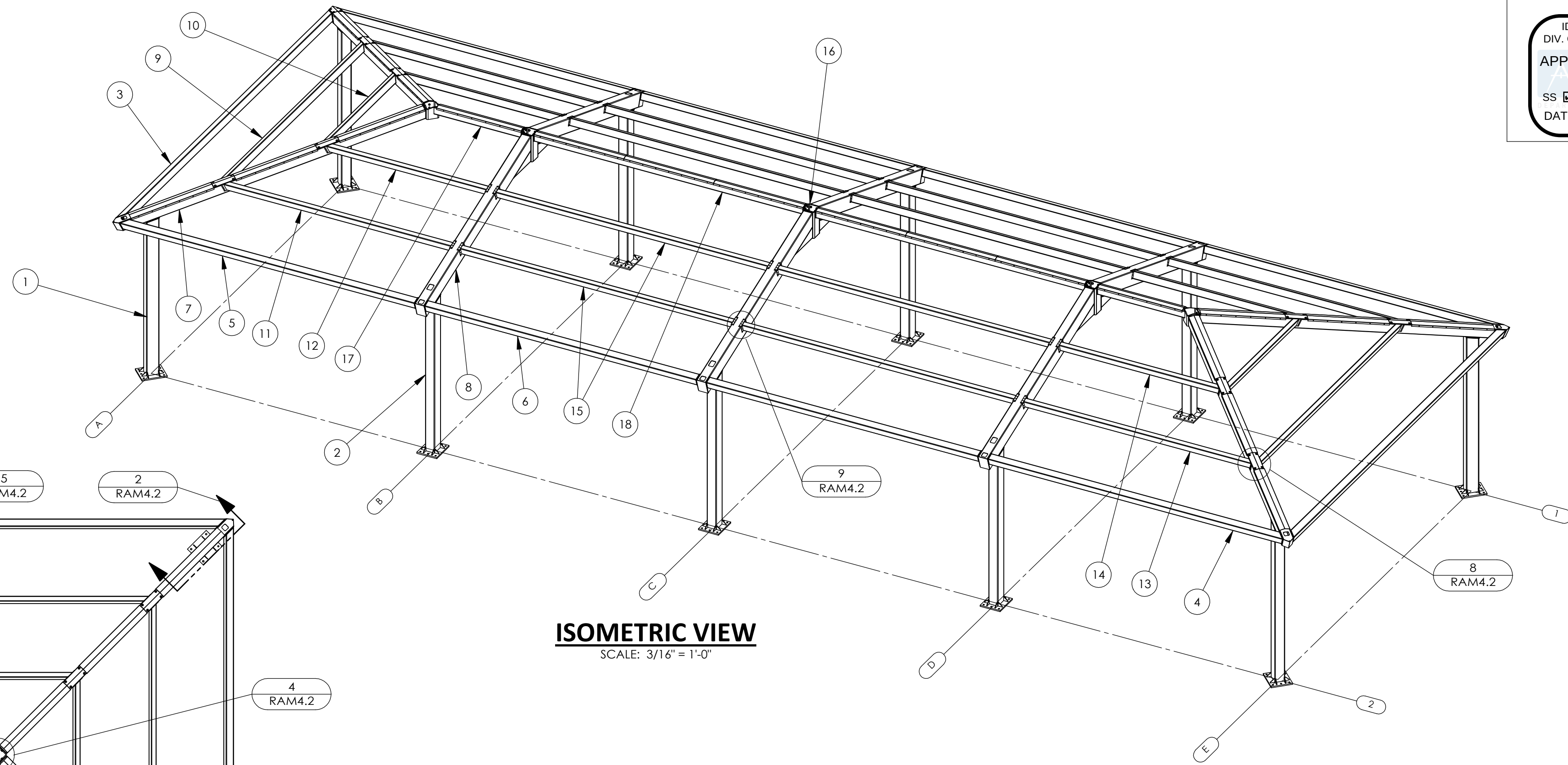
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DIV. OF THE STATE ARCHITECT
APP: 02-121213 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☐
DATE: 7/18/2023

PRE-CHECK (PC)
DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT
APPLICATION FOR
CONSTRUCTION IS REQUIRED.

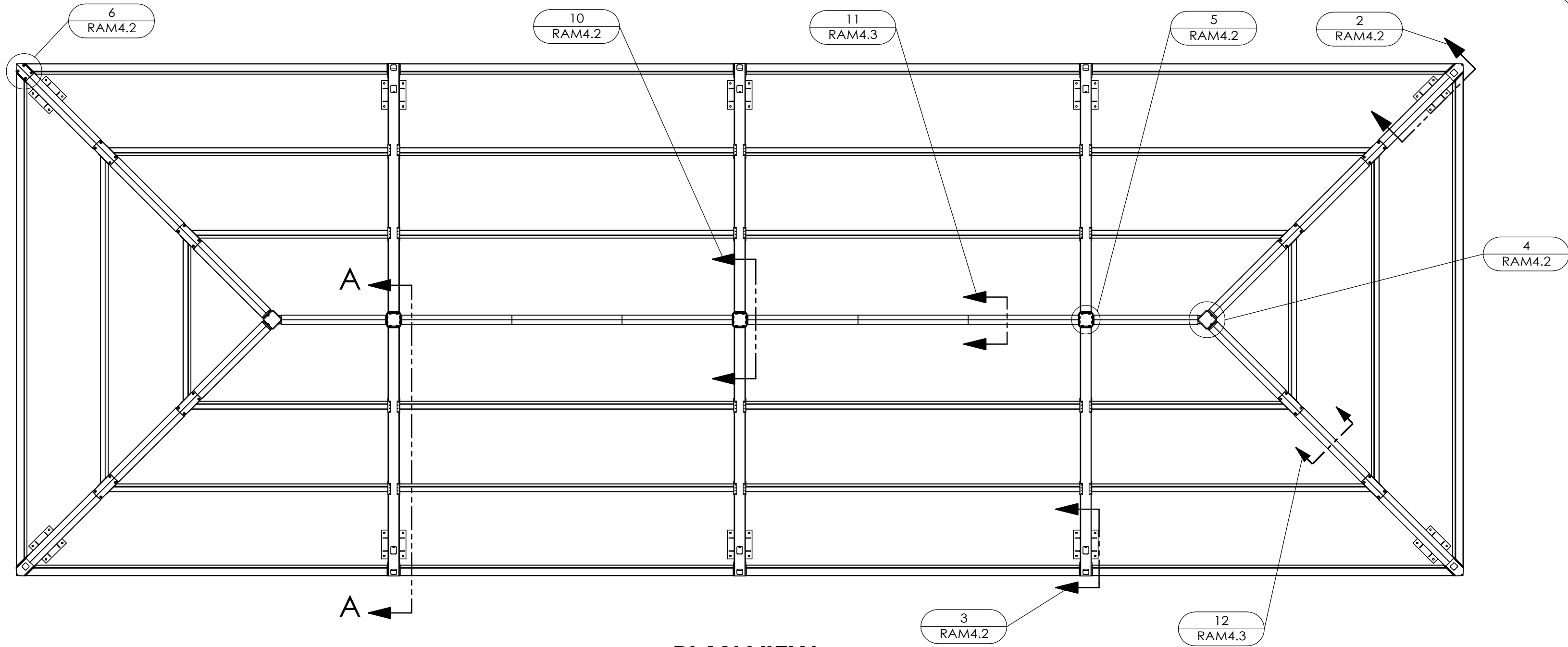
FRAMING PLAN

RAM3.1

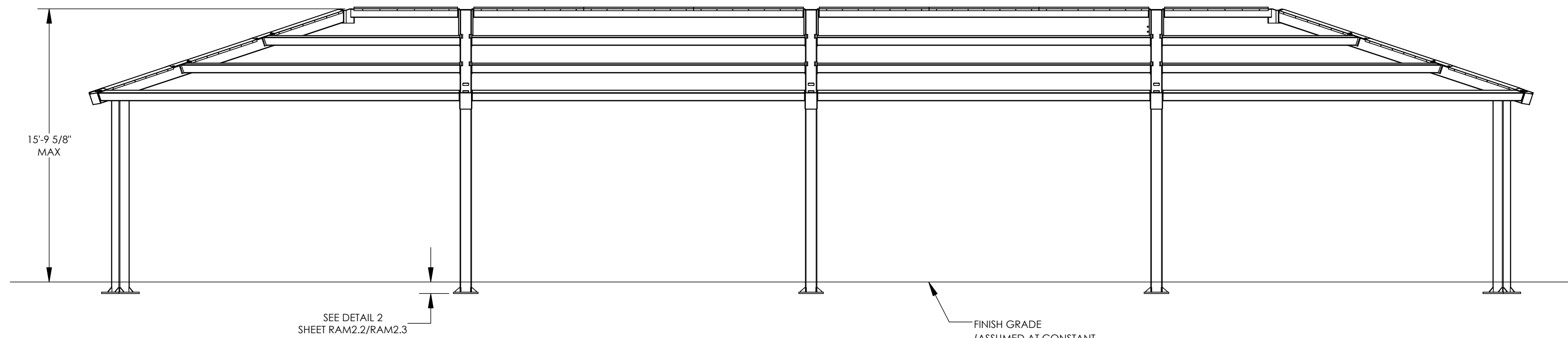
HIP ROOF - RAM 30



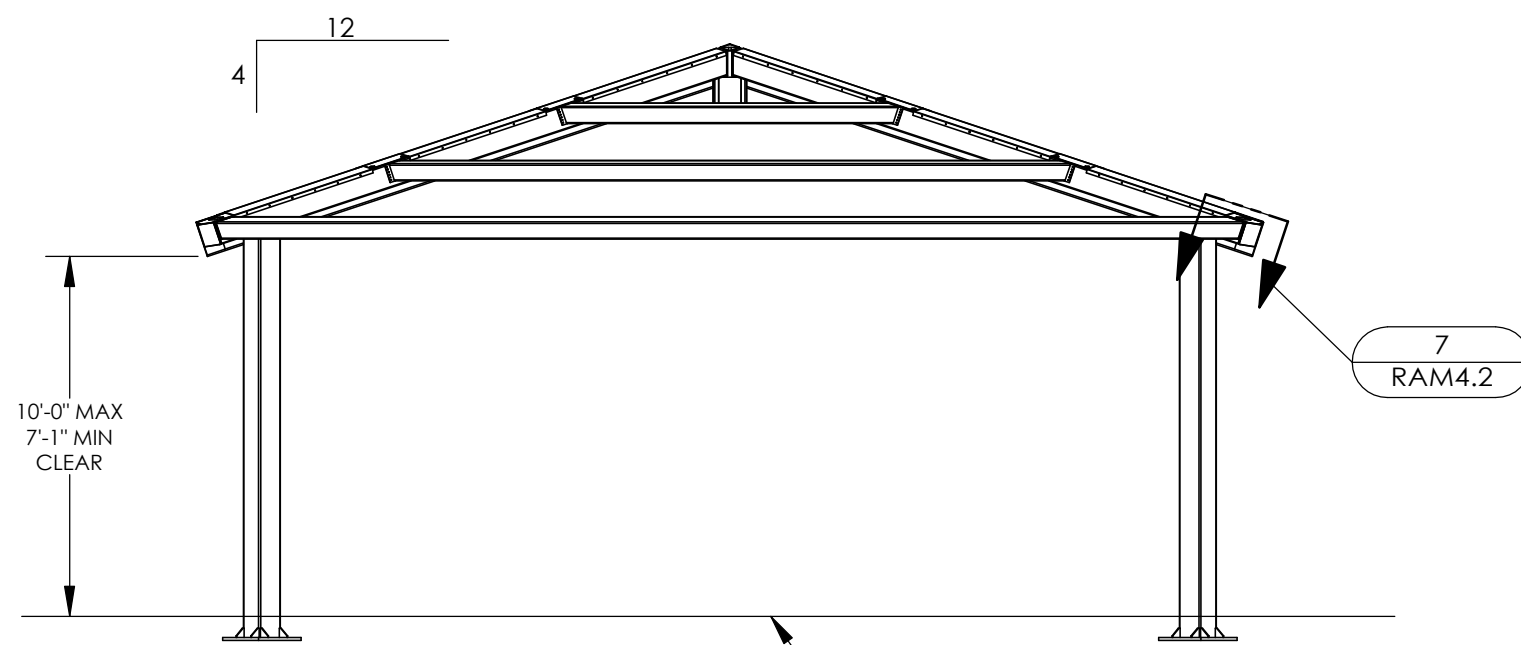
ISOMETRIC VIEW
SCALE: 3/16" = 1'-0"



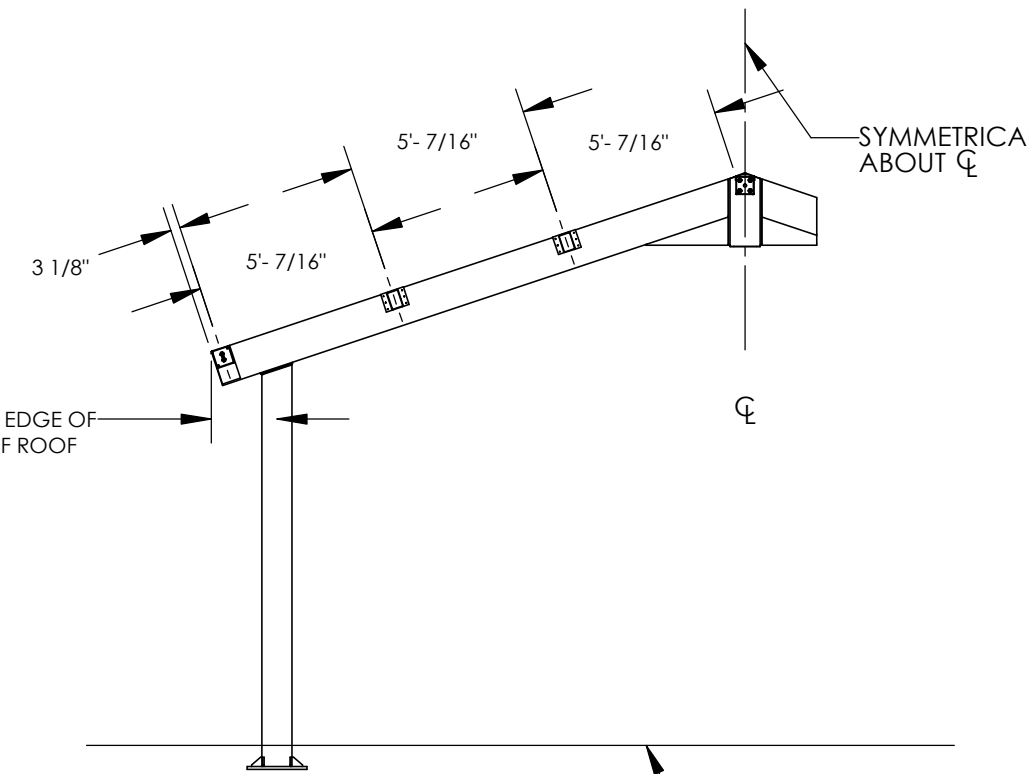
PLAN VIEW
SCALE: 3/16" = 1'-0"



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



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



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

NOTE: 1'-9 15/16" TYP.
NOTE: COLUMN CENTERLINE TO EDGE OF
TAIL. SEE RAMS.1 FOR EDGE OF ROOF

18	2	-	R-BEAM ASM	HSS6X6X3/16	287.26
17	2	-	END R-BEAM ASM	HSS6X6X3/16	154.14
16	6	-	C-TUBE ASM	HSS10X10X5/8	143.92
15	8	-	SIDE PURLIN ASM	HSS6X4x3/16	234.29
14	2	-	CORNER PURLIN ASM	HSS6X4x3/16	136.79
13	2	-	CORNER PURLIN ASM	HSS6X4x3/16	193.62
12	2	-	CORNER PURLIN ASM	HSS6X4x3/16	136.94
11	2	-	CORNER PURLIN ASM	HSS6X4x3/16	193.78
10	2	-	END PURLIN ASM	HSS6X4x3/16	110.56
9	2	-	END PURLIN ASM	HSS6X4x3/16	224.23
8	6	-	GABLE BEAM ASM	HSS12X8X1/4	559.76
7	4	-	HIP BEAM ASM	HSS8X8X3/16	431.12
6	4	-	SIDE EAVE BEAM ASM	HSS6X6X3/16	284.96
5	2	-	CORNER EAVE BEAM ASM	HSS6X6X3/16	306.07
4	2	-	CORNER EAVE BEAM ASM	HSS6X6X3/16	306.00
3	2	-	END EAVE BEAM ASM	HSS6X6X3/16	413.48
2	6	-	SIDE COLUMN ASM	HSS10X8X1/4	425.36
1	4	-	CORNER COLUMN ASM	HSS10X8X1/4	433.63
ITEM	QTY.	PART NO.	DESCRIPTION	MATERIAL	WEIGHT

ALL HIDDEN NUTS AND BOLTS (INSTALLED IN SHOP DURING FABRICATION) ARE SECURED WITH THIS NUT AND BOLT RESTAINING SYSTEM.

7.50 +.015
-0.15
60°
.500 +.015
-0.15
"B"
(SEE SCHEDULE)
TACK WELD 4 SIDES
14 GA SHEET METAL SHEET A569
"A"
(SEE SCHEDULE)

DIMENSION SCHEDULE			
FASTENER	DIM A	DIM B	
5/8" NUT	.631	+.000 -0.15	.180 +.015 -0.15
5/8" BOLT	.403	+.000 -0.15	.250 +.015 -0.15
3/4" NUT	.758	+.000 -0.15	.180 +.015 -0.15
3/4" BOLT	.483	+.000 -0.15	.375 +.015 -0.15
1" NUT	1.012	+.000 -0.15	.180 +.015 -0.15
1" BOLT	.643	+.000 -0.15	.375 +.015 -0.15

NUT & BOLT RESTRAINING SYSTEM

1

4"x5-1/2" HAND ACCESS
(SIM TO 6/RAM4.2, 7/RAM4.2)
NUT, HEX, 5/8-11
(2) PLCS EACH CONNECTION
(2-1/4" SPACING)
HIP BEAM
(HSS8X8X3/16)
3/16
3/16
2 1/4"
4" TYP.
3/8"x8"x10-1/4" PLATE
w/ 3/8"x8"x11" FLG. PLT.
COLUMN
(HSS10X8X1/4)
1/4(1/4)

HIP BEAM CONNECTION @ COLUMN

2

4"x5-1/2" HAND ACCESS
(SIM TO 6/RAM4.2, 7/RAM4.2)
GABLE BEAM
(HSS12X8X1/4)
NUT, HEX, 5/8-11
(2) PLCS EACH CONNECTION
(2-9/16" SPACING)
3/16
3/16
4" TYP.
2 9/16"
3/8"x8"x10-9/16" PLATE
w/ 3/8"x8"x11-5/16" FLG. PLT.
3/16
3/16
COLUMN
(HSS10X8X1/4)
1/4(1/4)

GABLE BEAM CONNECTION @ COLUMN

3

C-TUBE
(HSS10X10X5/8)
HIP BEAM
(HSS8X8X3/16)
3/16
3/16
3/16(3/16)
3/16(3/16)
RIDGE BEAM
(HSS6X6X3/16)
4" TYP.
1/2"x8"x8-1/4" PLT
3/16(3/16)
BOLT, HEX, 5/8-11x2
(2) PLCS EACH CONNECTION
(5-1/4" SPACING)
P.J. REQUIRED
HIP BEAM
(HSS8X8X3/16)

STATE APPROVALS-SITE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121998 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 10/08/2024

403 P. AZA, GOLDEN RICH, CA 95020
SUITE B
CHAMBERLAIN BLVD, CA 95020
509.877.0016

GHD

poligon PORTER

REGISTERED PROFESSIONAL ENGINEER
No. 55498
STRUCTURAL
STATE OF CALIFORNIA

HIP BEAM CONNECTION @ COMPRESSION TUBE

4

GABLE BEAM
(HSS12X8X1/4)
1 1/2" TYP.
5"
BOLT, HEX, 5/8-11x2
(4) PLCS EACH CONNECTION
(3-1/2" x 3-1/2" SPACING)
P.J. REQUIRED
3/16(3/16)
RIDGE BEAM
(HSS6X6X3/16)
3 1/2"
RIDGE BEAM
(HSS6X6X3/16)
1 1/4" TYP.
5/8"x6"x6" PLT
GABLE BEAM
(HSS12X8X1/4)

RIDGE BEAM CONNECTION @ COMPRESSION TUBE

5

10GA, (.1345") COVER PLATE
WASHER, FLAT, 5/8
(2) PLCS EACH CONNECTION
BOLT, HEX, 5/8-11x1-3/4
(2) PLCS EACH CONNECTION
(2" SPACING)
WASHER, FLAT, 5/8
(2) PLCS EACH CONNECTION
3/8"x6-1/4"x8" PLATE
w/ 1/4"x7-3/4"x8-5/8" FLG. PLT.
R3/4" TYP.
SIDE EAVE BEAM
(HSS6X6X3/16)
3/16
3/16(3/16)
1 5/8" TYP.
1/4"C/L OF CUTOFF
TO CL OF UPPER BOLT
HIP BEAM
(HSS8X8X3/16)
4"x4" HAND ACCESS
END EAVE BEAM
(HSS6X6X3/16)
3/16
(3 SIDES)
3/16

EAVE BEAM CONNECTION @ HIP BEAM

6

3/8"x6"x6" PLT
w/ 1/4"x6-1/4"x11-5/8" FLG. PLT.
(2 SIDES)
3/16
WASHER, FLAT, 5/8
(2) PLCS EACH CONNECTION
BOLT, HEX, 5/8-11x2
(2) PLCS EACH CONNECTION
(2" SPACING)
WASHER, FLAT, 5/8
(2) PLCS EACH CONNECTION
R3/4" TYP.
SIDE EAVE BEAM
(HSS6X6X3/16)
3/16(3/16)
3/16
GABLE BEAM
(HSS12X8X1/4)
10GA, (.1345") COVER PLATE
1/8
4"x4" HAND ACCESS
3/16(3/16)
3/16
SIDE EAVE BEAM
(HSS6X6X3/16)
3/16
3/8"x6"x6" PLT
w/ 1/4"x6-1/4"x11-5/8" FLG. PLT.
(2 SIDES)
3/16
3"

EAVE BEAM CONNECTION @ GABLE BEAM

7

C-TUBE
(HSS10X10X5/8)
1 1/2" TYP.
6"
1/4(1/4)
2 SIDES
(1/4)
GABLE BEAM
(HSS12X8X1/4)
1-7"
1/2" TYP.
5/8"x8"x22" PLATE
BOLT, HEX, 3/4-10x2-1/4
(4) PLCS EACH CONNECTION
(5X19" SPACING)
P.J. REQUIRED
GUSSET TUBE
(HSS12X8X1/4)
5/8"x8"x22" PLATE
GUSSET TUBE
(HSS12X8X1/4)
1/4
1/4(1/4)
2 SIDES
(1/4)
GABLE BEAM
(HSS12X8X1/4)

STATE APPROVALS-PC

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GABLE BEAM CONNECTION @ COMPRESSION TUBE

10

HIP BEAM
(HSS8X8X3/16)
10GA, (.1345") PLATE
PURLIN
(HSS6X4X3/16)
3/4" TYP.
1/8
1/8
15/16" TYP.
7/8" TO TOP OF PLATE
3/4" TYP.
1/8(1/8)
(SIDE & BOTTOM)
(10) #12-24 x 1 1/2 ONE STEP SCREW
(1P2905FNUL)
(4) ALONG TOP
(6) ALONG SIDE
EACH CONNECTION

PURLIN CONNECTION @ HIP BEAM

8

10GA, (.1345") PLATE
PURLIN
(HSS6X4X3/16)
3/4" TYP.
1 5/8" TYP.
10GA, (.1345") PLATE
(1/8)
PURLIN
(HSS6X4X3/16)
1 9/16" TYP.
7/8" TO TOP OF PLATE
1/8
(2 SIDES)
1/8(1/8)
GABLE BEAM
(HSS12X8X1/4)

PURLIN CONNECTION @ GABLE BEAM

9

2 SIDES
(1/4)
1/4(1/4)
1 1/2" TYP.
6"
1/4(1/4)
2 SIDES
(1/4)
GABLE BEAM
(HSS12X8X1/4)
1-7"
1/2" TYP.
5/8"x8"x22" PLATE
BOLT, HEX, 3/4-10x2-1/4
(4) PLCS EACH CONNECTION
(5X19" SPACING)
P.J. REQUIRED
GUSSET TUBE
(HSS12X8X1/4)
5/8"x8"x22" PLATE
GUSSET TUBE
(HSS12X8X1/4)
1/4
1/4(1/4)
2 SIDES
(1/4)
GABLE BEAM
(HSS12X8X1/4)

GABLE BEAM CONNECTION @ COMPRESSION TUBE

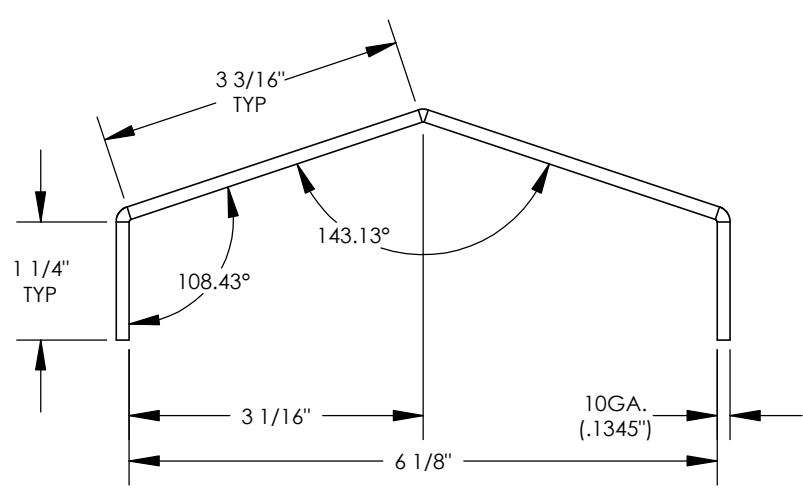
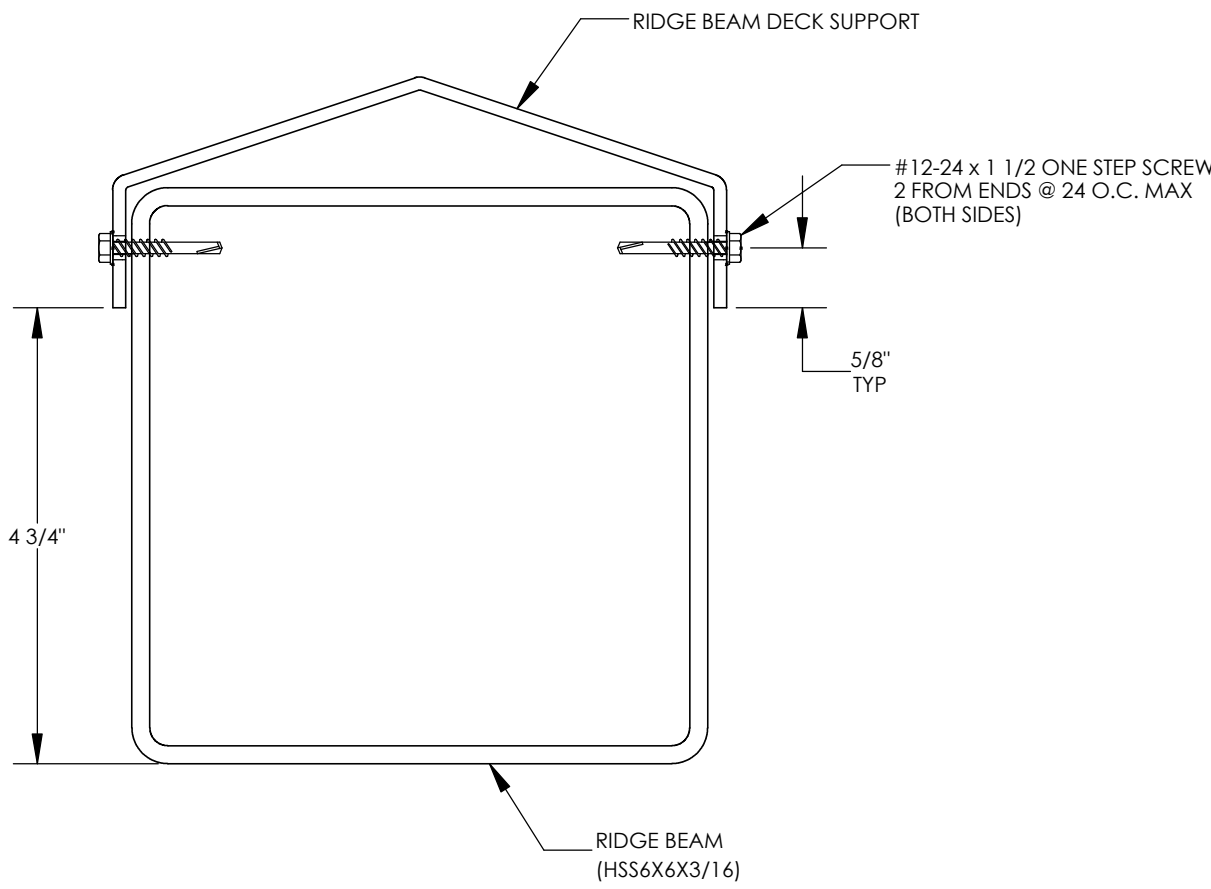
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PRE-CHECK (PC)
DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT
APPLICATION FOR
CONSTRUCTION IS REQUIRED.

FRAME
CONNECTION
DETAILS

HIP ROOF - RAM 30

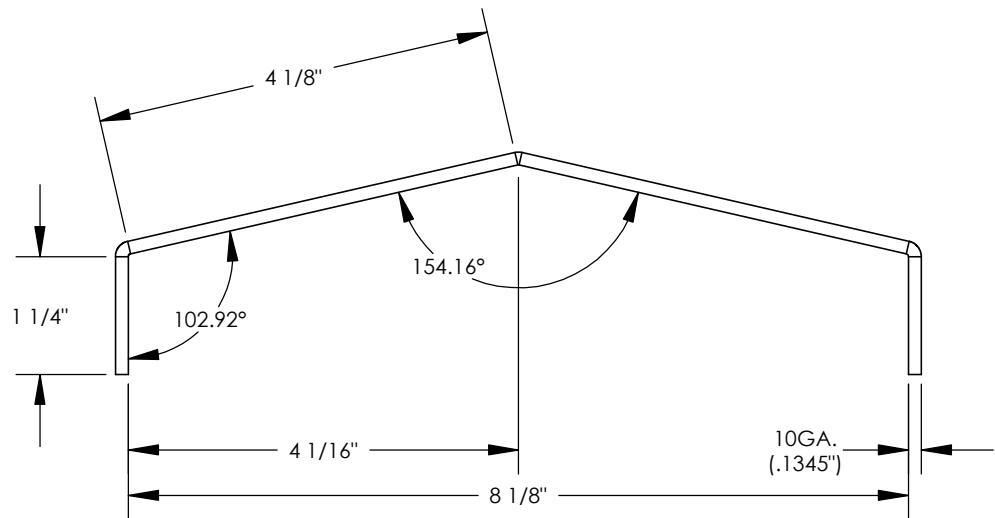
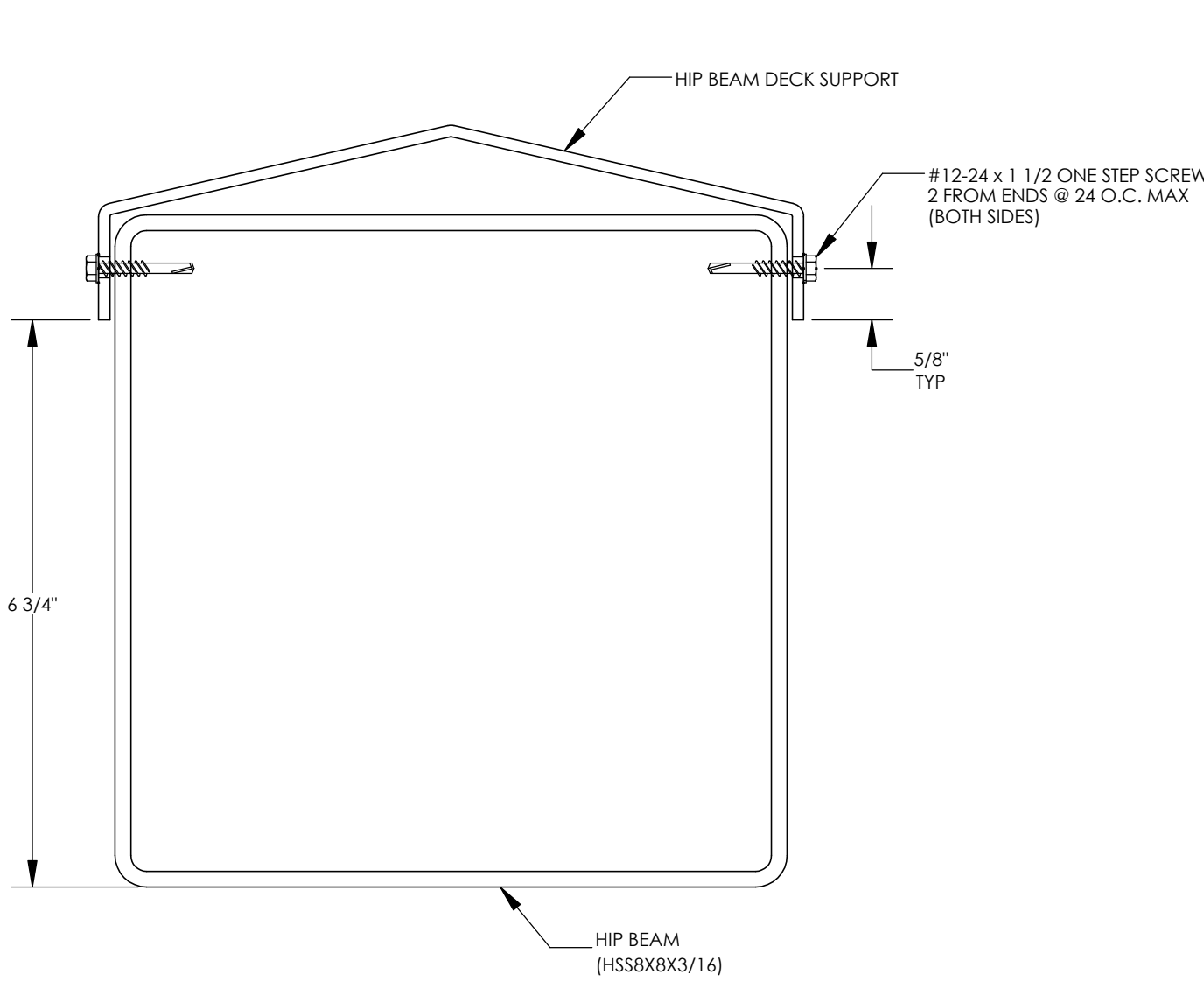
RAM4.2



RAM 30 - RIDGE
Fy = 36 KSI
A = 1.231 IN^2
Ix = 1.149 IN^4
Iy = 6.272 IN^4
Sx = 0.771 IN^3
Sy = 1.962 IN^3

RIDGE BEAM DECK SUPPORT DETAIL

11



RAM 30 - HIP
Fy = 36 KSI
A = 1.484 IN^2
Ix = 1.341 IN^4
Iy = 12.353 IN^4
Sx = 0.886 IN^3
Sy = 2.943 IN^3

HIP BEAM DECK SUPPORT DETAIL

12

STATE APPROVALS-SITE

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4083 P. AZA, GOLDEN GATE DISTRICT
SUITE B,
CAMERON TOWN BLK, CA 95002
530.877.0016



polygon
PORTER
STRUCTURAL ENGINEERS



STATE APPROVALS-PC

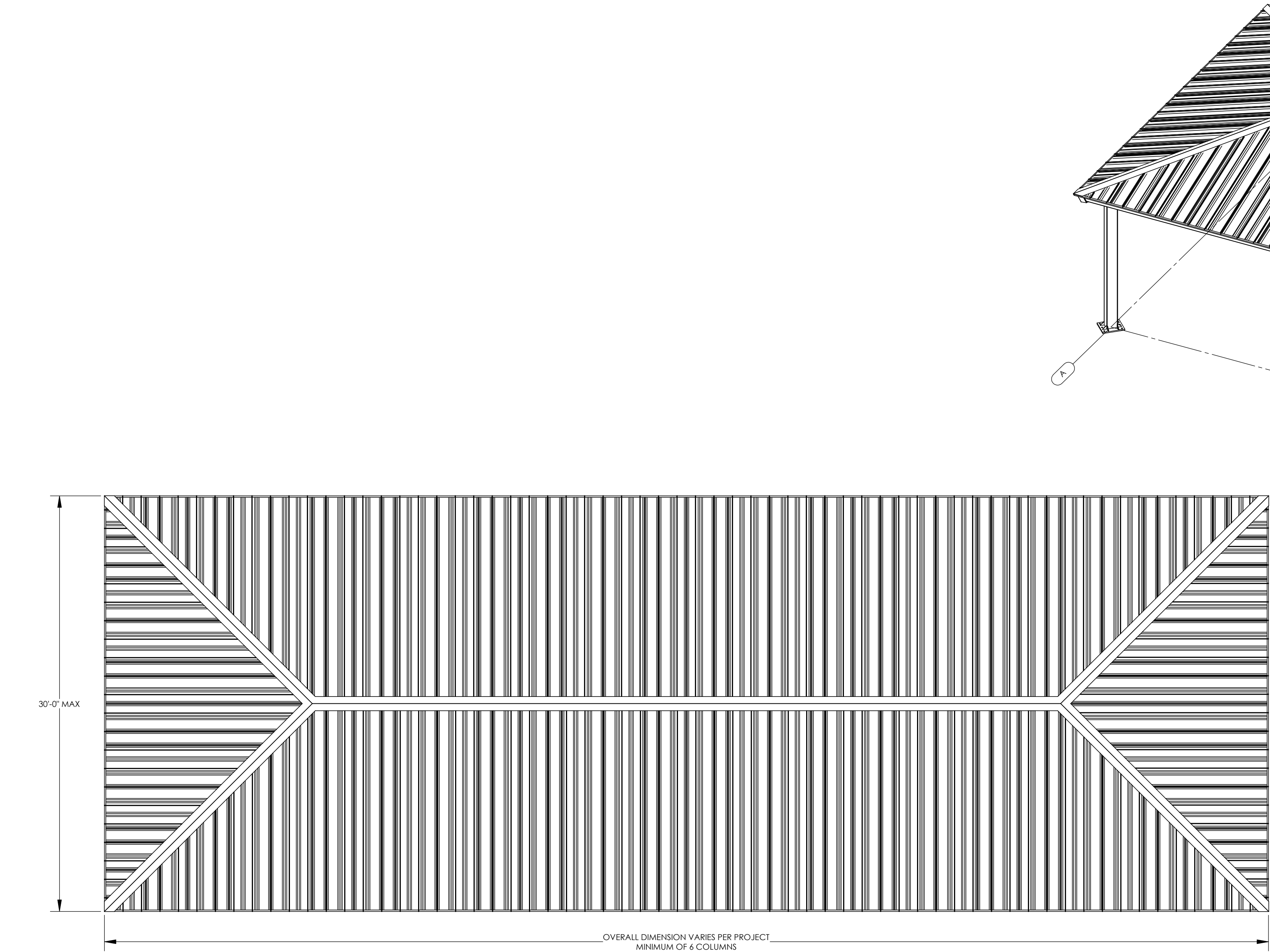
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DOCUMENT
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APPLICATION FOR
CONSTRUCTION IS REQUIRED.

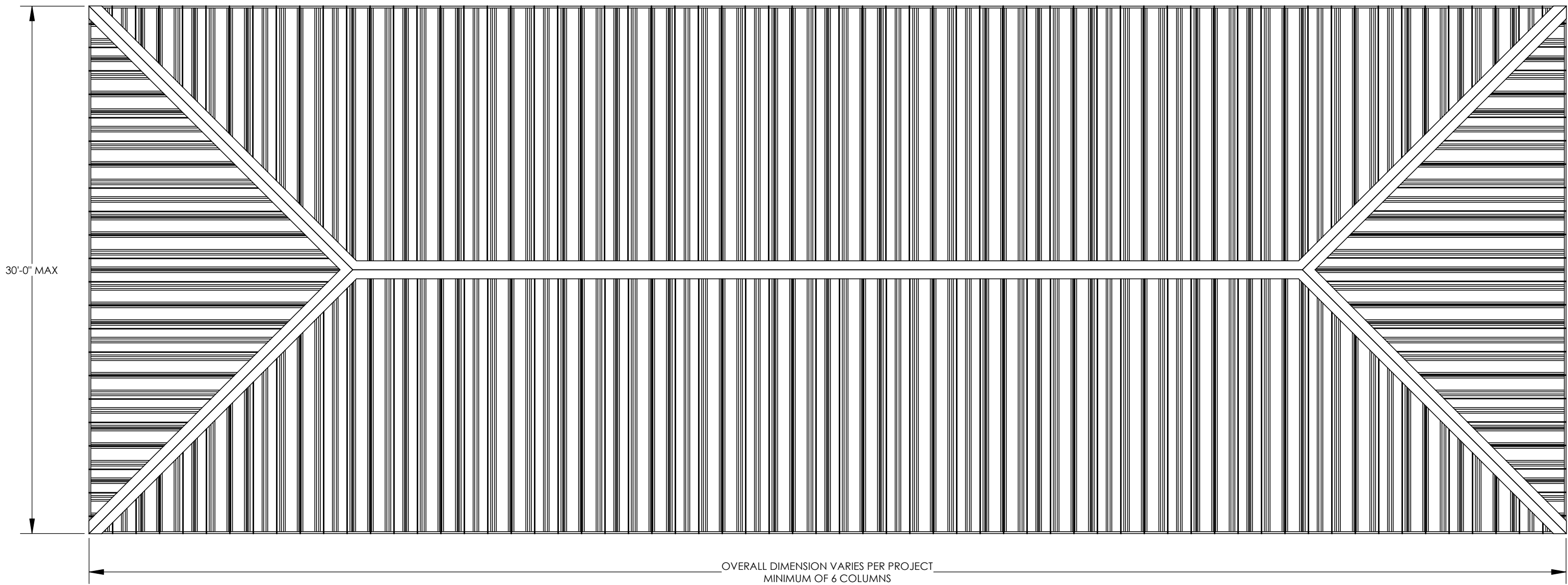
SECTION DETAILS

HIP ROOF - RAM 30

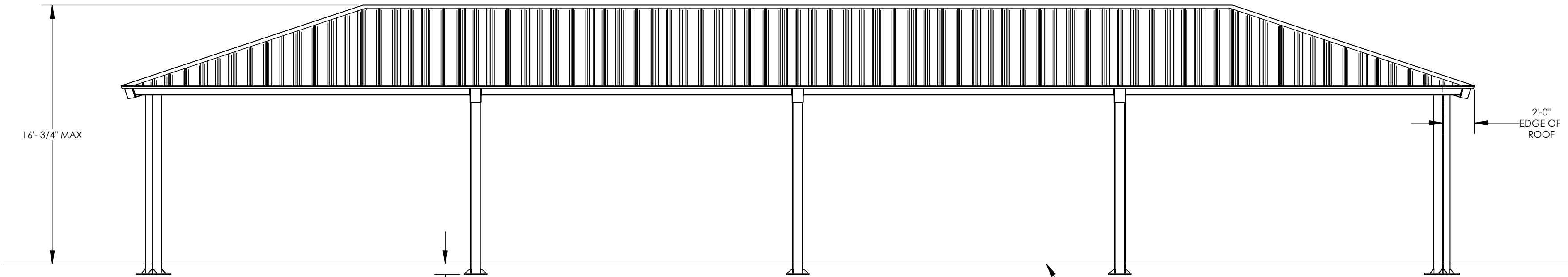
RAM4.3



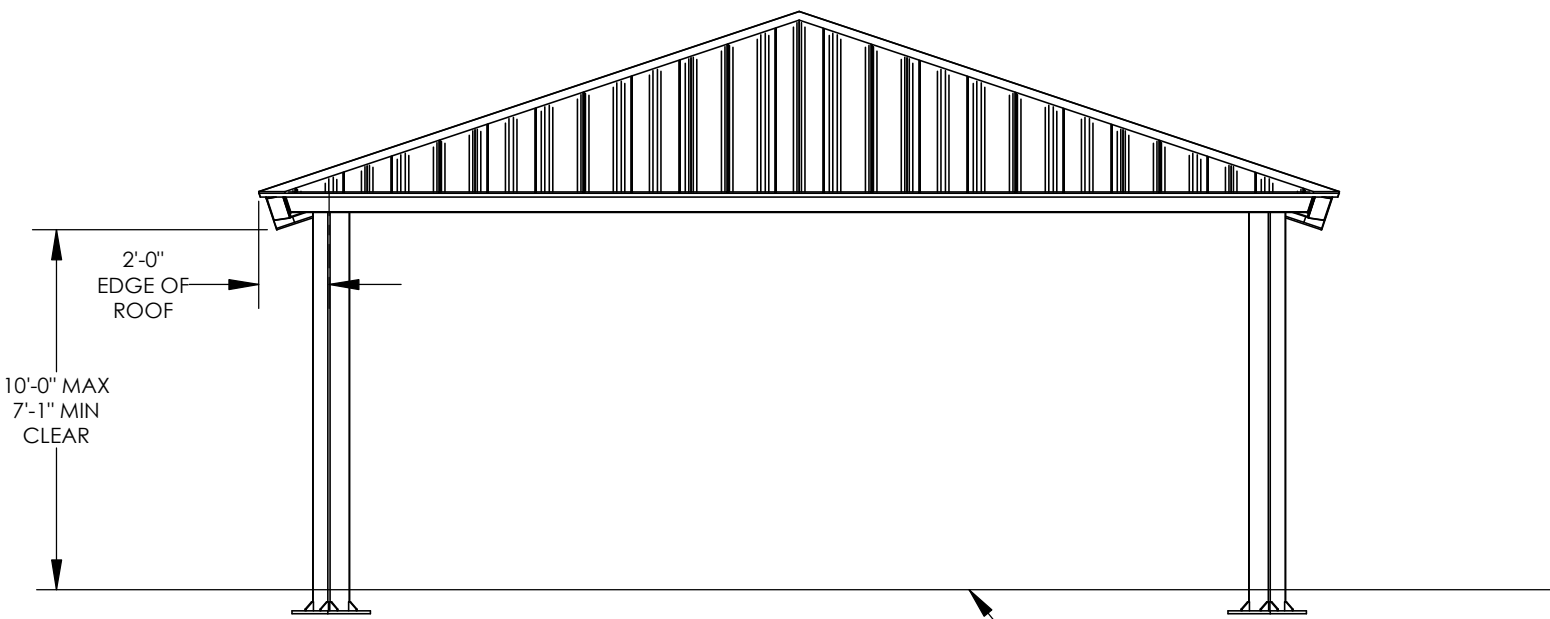
ISOMETRIC VIEW
SCALE: 3/16" = 1'-0"



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



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



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

STATE APPROVALS-SITE

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APP: 02-121998 INC:
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4033 P. AZA, GOLDEN R. AVE. 3RD FLOOR
SUITE 101
CAMERON PARK, CA 95822
916.777.0016

GHD

poligon
PORTER & PARTNERS
ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER
JESSICA E. HANER
No. S5478
STRUCTURAL
STATE OF CALIFORNIA

STATE APPROVALS-PC

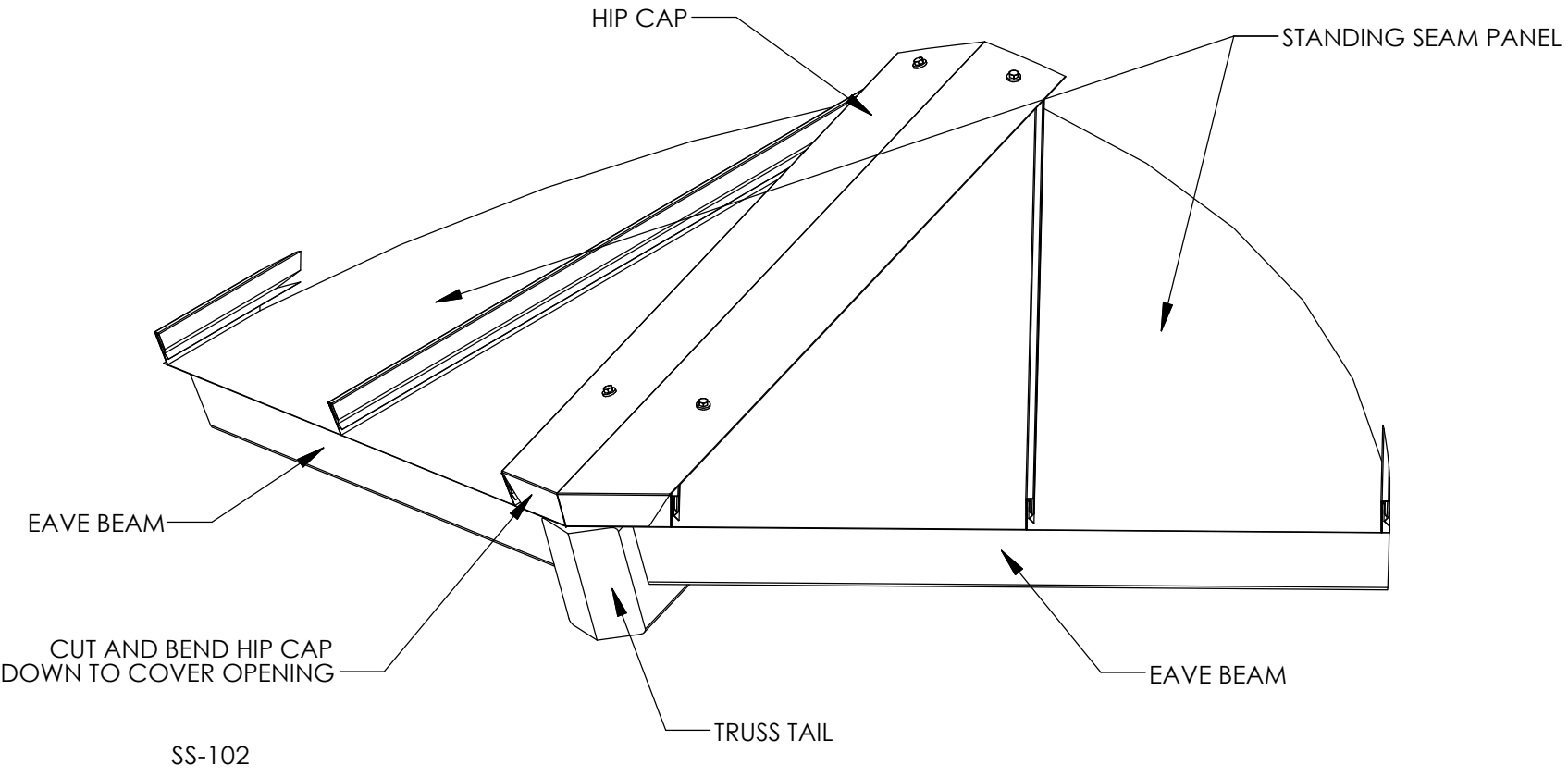
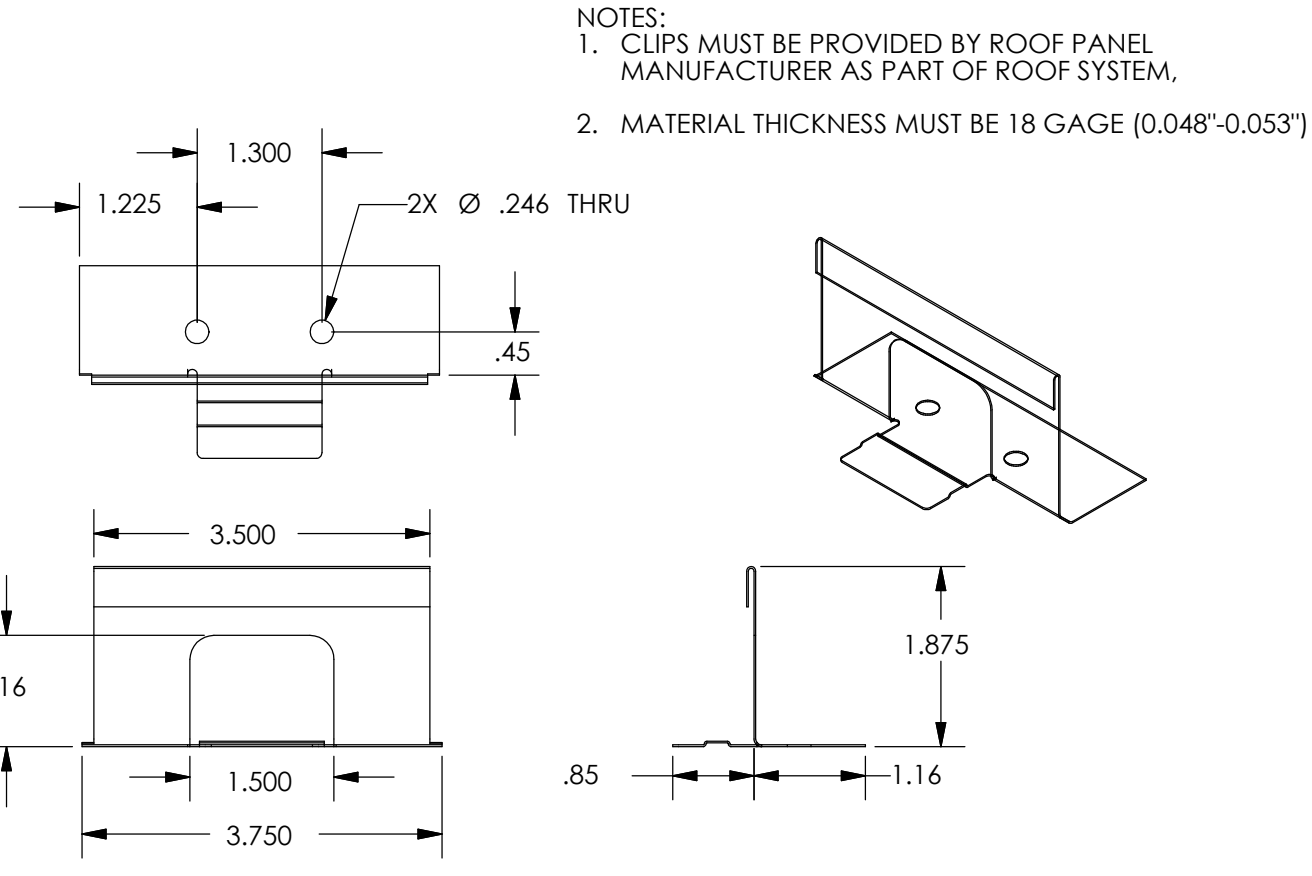
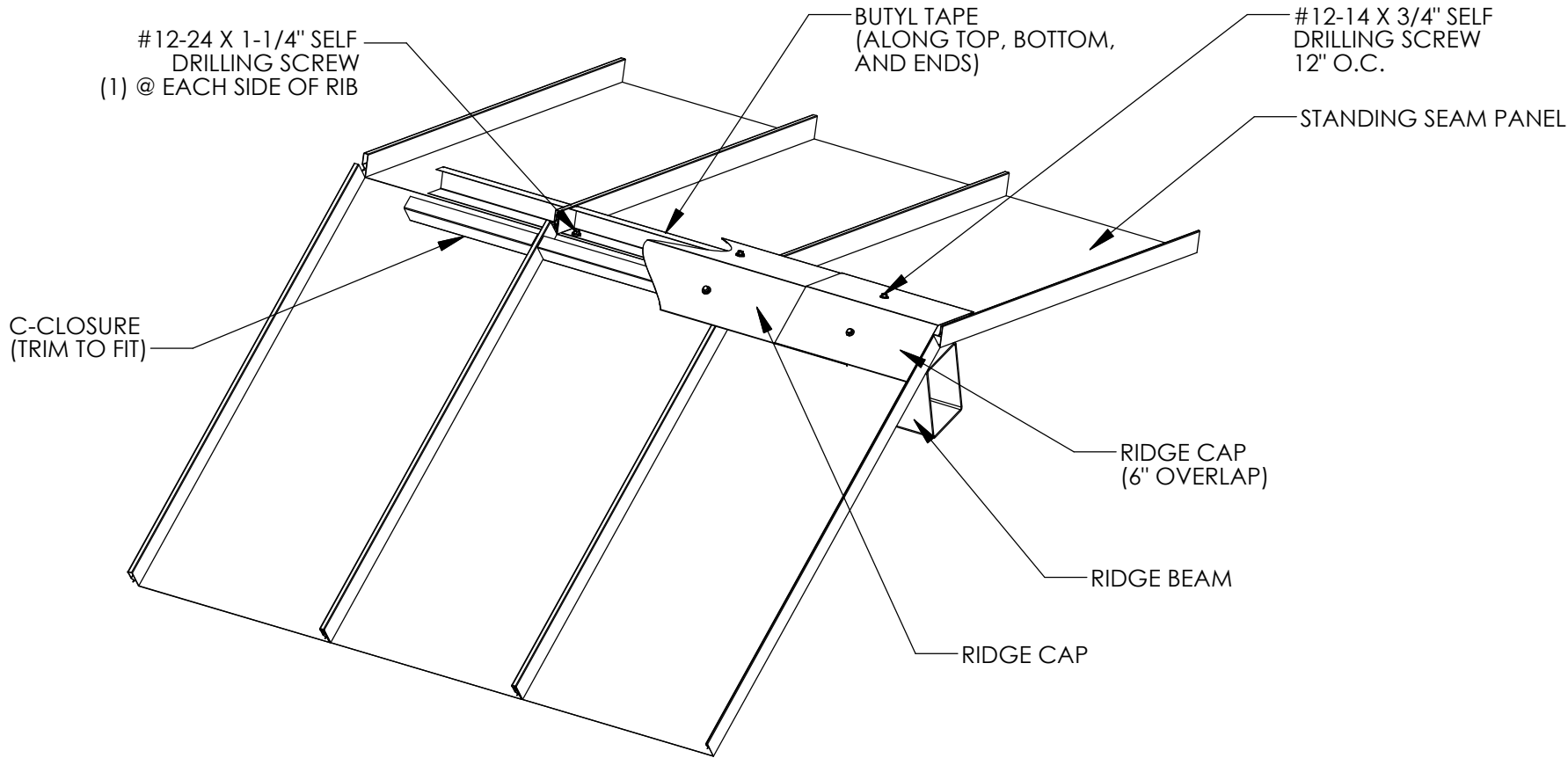
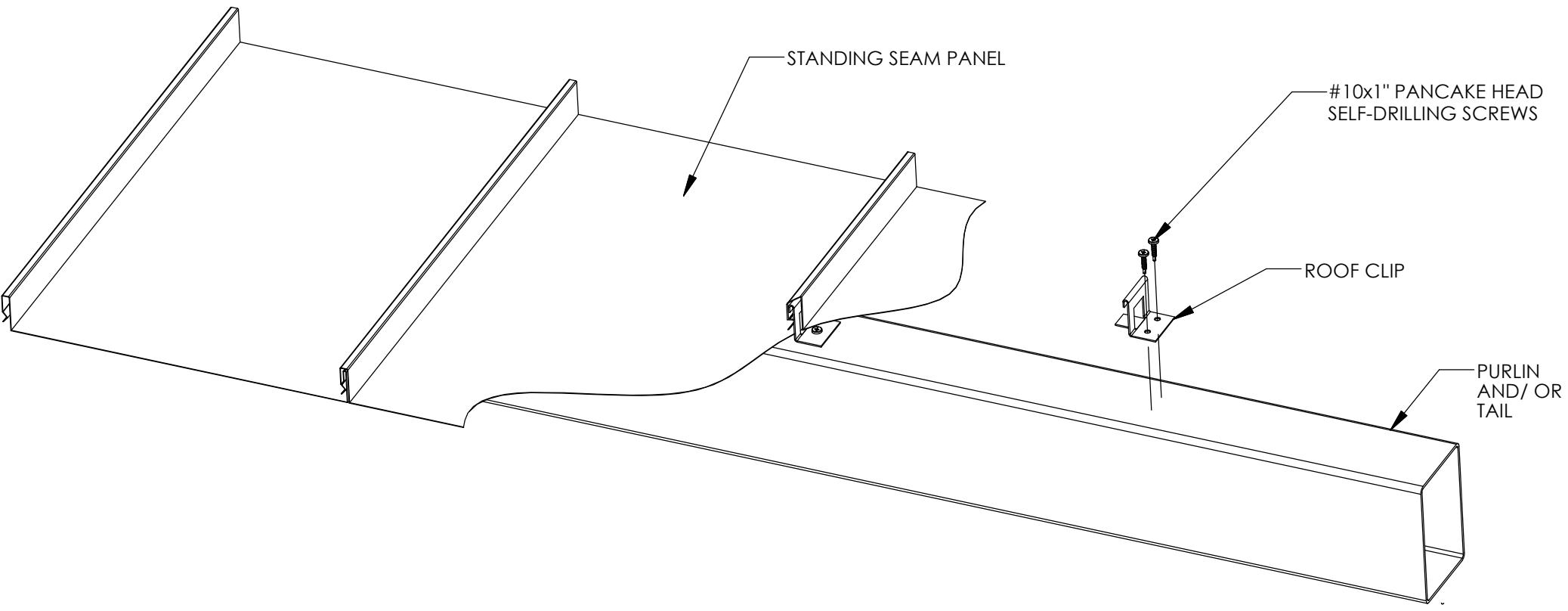
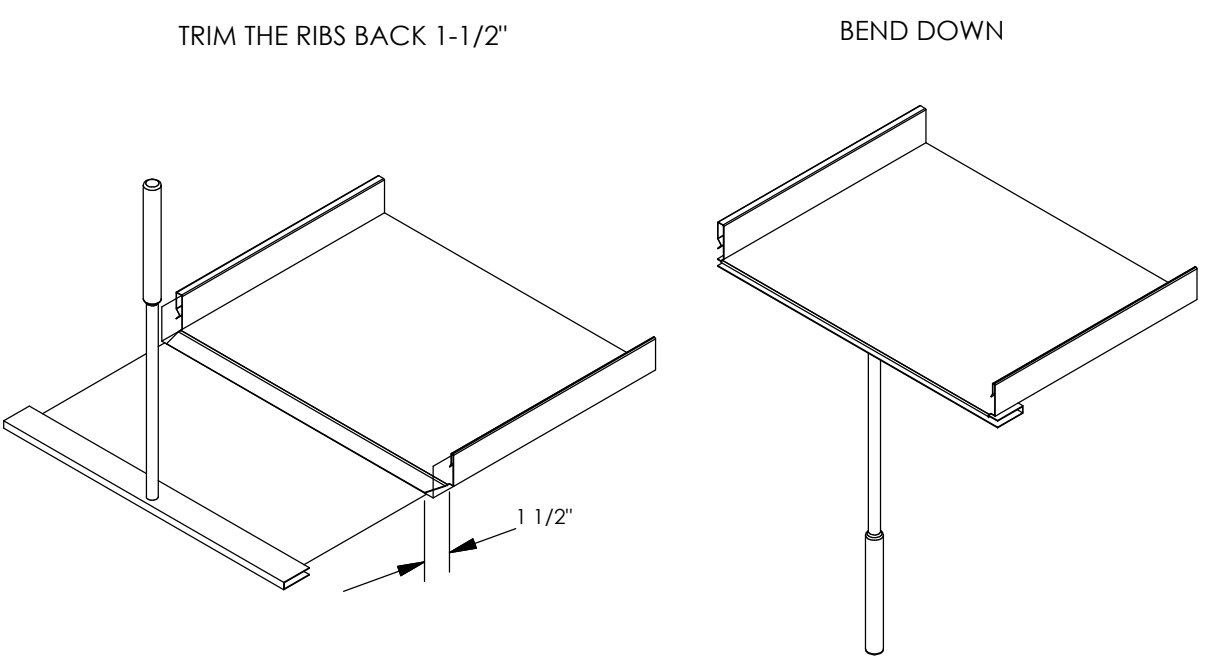
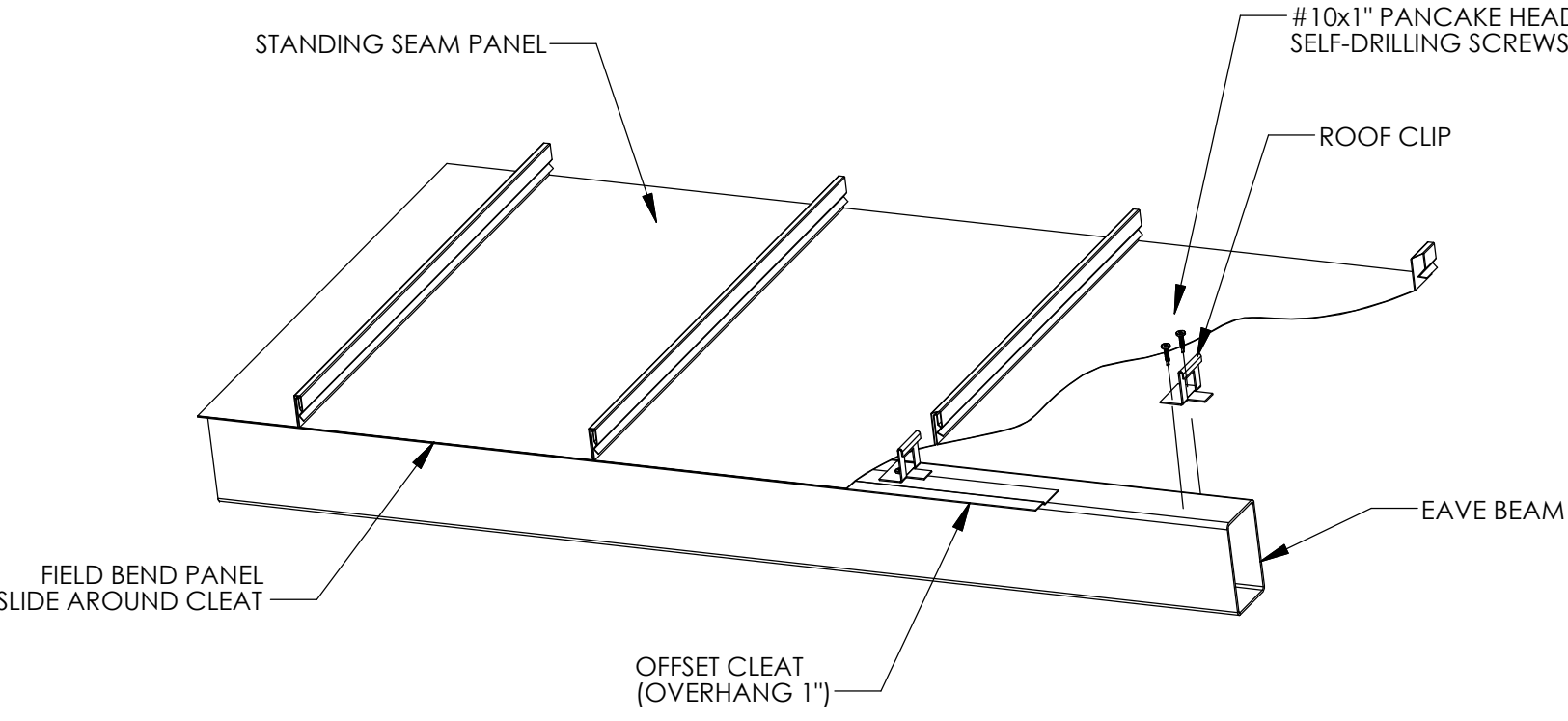
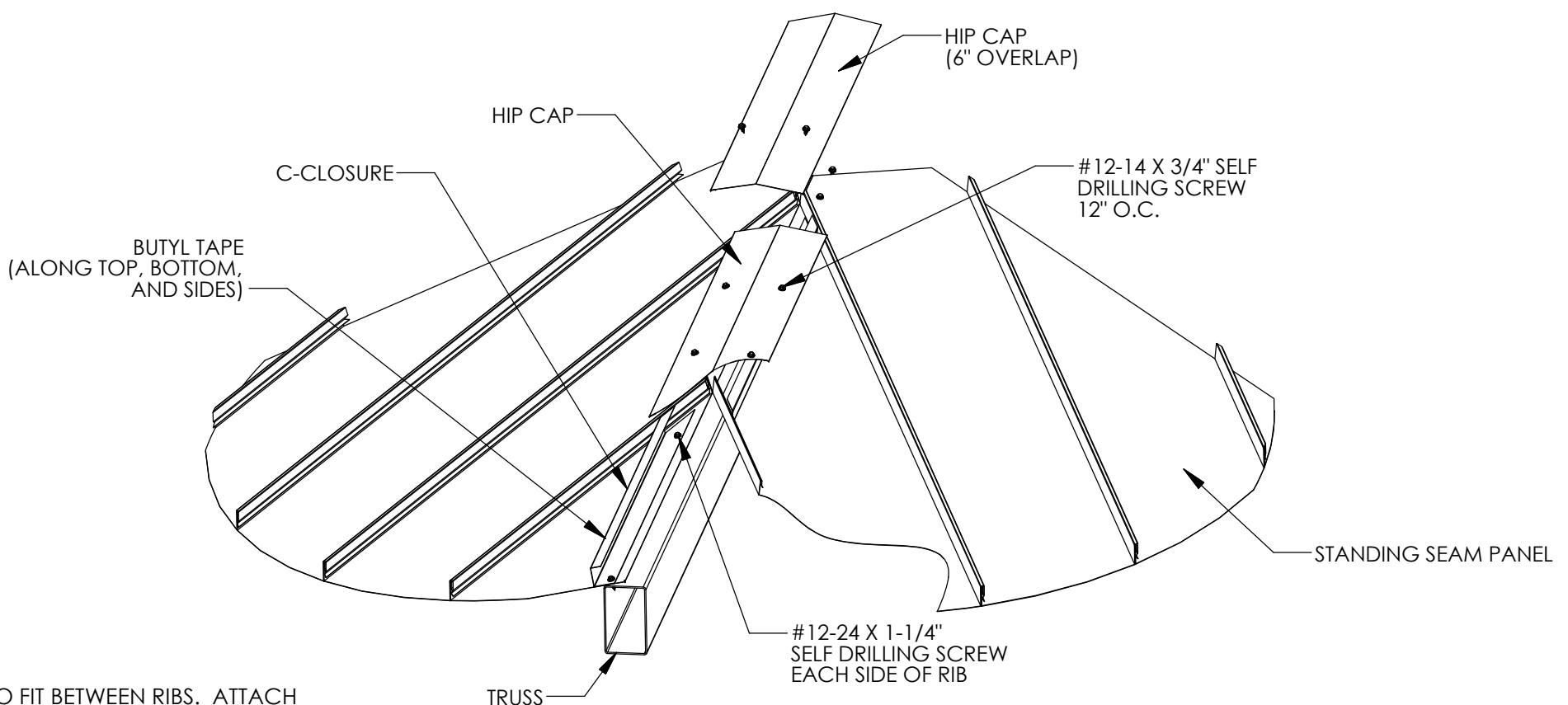
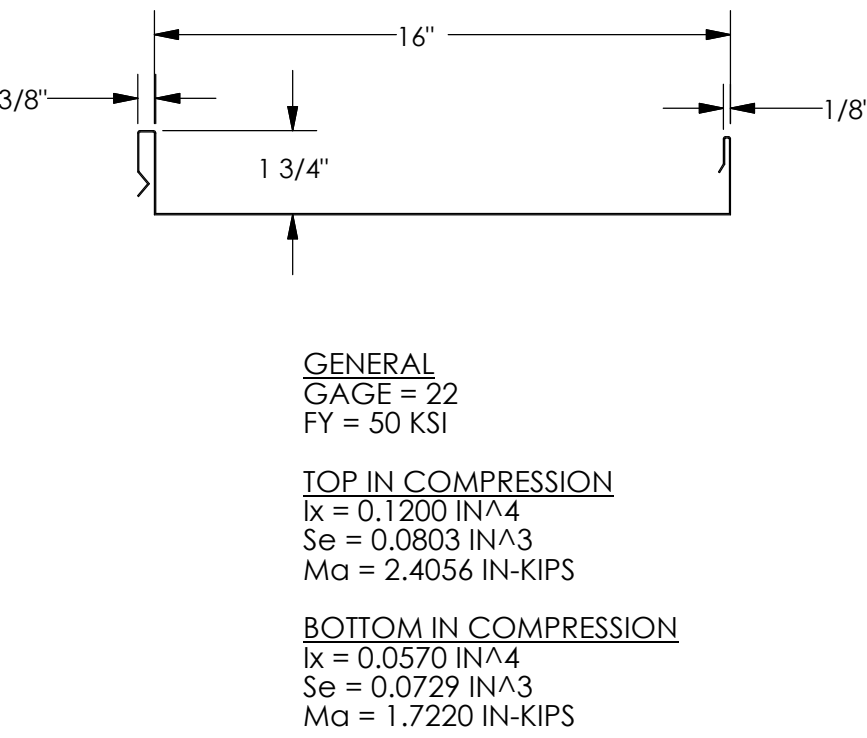
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DATE: 7/18/2023

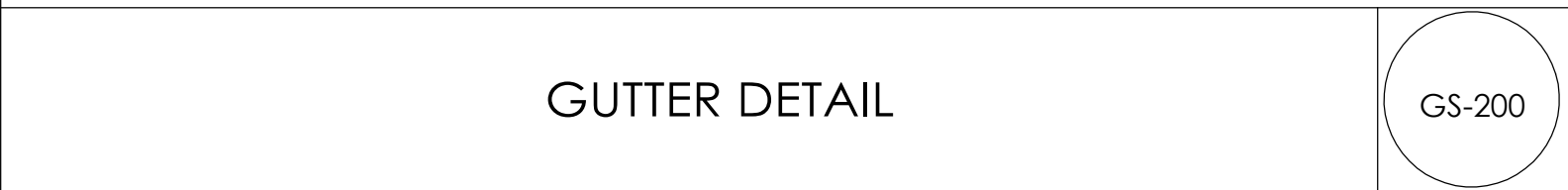
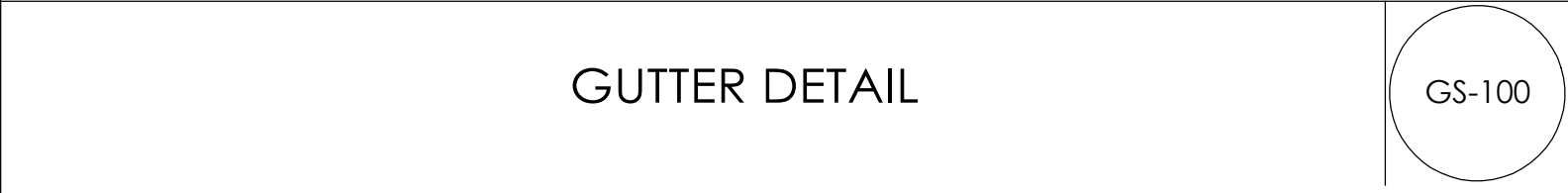
PRE-CHECK (PC)
DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT
APPLICATION FOR
CONSTRUCTION IS REQUIRED.

ARCHITECTURAL
VIEWS

HIP ROOF - RAM 30

RAM5.1

STANDING SEAM INSTALLATION NOTES: THE DETAILS SHOWN ARE SUGGESTIONS OR GUIDELINES ON HOW TO ERECT THE SYSTEMS. THE INFORMATION SHOWN IS ACCURATE, BUT IT IS NOT INTENDED TO COVER ALL INSTANCES. BUILDING REQUIREMENTS, DESIGNS OR CODES, THE DETAILS MAY REQUIRE CHANGES OR REVISIONS DUE TO FIELD CONDITIONS. IT SHALL BE THE RESPONSIBILITY OF THE ERECTOR TO ENSURE THAT THE DETAILS MEET PARTICULAR BUILDING REQUIREMENTS AND TO ASSURE ADEQUATE WATER TIGHTNESS. THE ERECTOR SHOULD THOROUGHLY FAMILIARIZE HIMSELF/HERSELF WITH ALL ERECTION INSTRUCTIONS BEFORE STARTING WORK. THE PANELS SHOULD BE INSTALLED PLUMB, STRAIGHT, AND ACCURATELY TO THE ADJACENT WORK. FLASHING AND TRIM SHALL BE INSTALLED TRUE, AND IN PROPER ALIGNMENT, WITH ANY EXPOSED FASTENERS EQUALLY SPACED FOR THE BEST APPEARANCE. SEALANT SHALL BE FIELD APPLIED ON DRY, CLEAN SURFACES. SOME FIELD CUTTING AND FITTING OF PANELS AND FLASHING IS TO BE EXPECTED BY THE ERECTOR AND MINOR FIELD CORRECTIONS ARE A PART OF NORMAL ERECTION WORK. WORKMANSHIP SHALL BE OF THE BEST INDUSTRY STANDARDS AND INSTALLATION SHALL BE PERFORMED BY EXPERIENCED METAL CRAFTSMEN. METAL SHAVINGS FROM DRILLING OR INSTALLATION OF ROOF FASTENERS MUST BE CAREFULLY REMOVED FROM THE ROOF BY BRUSHING OR SWEEPING AT THE END OF EACH DAY DURING INSTALLATION. SHAVINGS LEFT ON THE ROOF WILL QUICKLY RUST AND STAIN THE ROOF FINISH. COVER ACCESS HOLES WITH GRACE ICE AND WATER SHIELD BEFORE ATTACHING ROOF DECKING METAL ROOFING PRODUCT AND INSTALLATION SHALL MEET ALL REQUIREMENTS OF ICC-ES REPORT ESL-1082.				STATE APPROVALS-SITE IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-121998 INC: REVIEWED FOR SS ☒ FLS ☒ ACS ☒ DATE: 10/08/2024 403 P. AZA GOLD CREDIT SUITE B CAMERON PARK, CA 90002 (310) 877-0016 GHD poligonPORTER 4-HIGHWAY REGISTERED PROFESSIONAL ENGINEER JESSICA E. NAPER No. S5498 STRUCTURAL STATE OF CALIFORNIA			
2013C  CORNER DETAIL SS-900		2013C  CLIP DETAIL SS-CLP		ISOMETRIC VIEW SCALE: 3/16" = 1'-0"		STATE APPROVALS-PC IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-121213 PC REVIEWED FOR SS ☒ FLS ☒ ACS ☒ CG ☐ DATE: 7/18/2023	
2013C  RIDGE DETAIL SS-500		2013C  PURLIN DETAIL SS-600		2013C  HEMMING DETAIL SS-HEM		PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.	
2013C  EAVE DETAIL SS-200		2013C  TRUSS DETAIL SS-300		2013C  ROOF DECK SECTION PROPERTIES SS-950		ROOF CONNECTION DETAILS RAM6.1 HIP ROOF - RAM	



1. PREFABRICATED GUTTER SYSTEM IS ATTACHED TO THE STRUCTURE AFTER ROOF IS INSTALLED.
2. DETAILED INSTALLATION INSTRUCTIONS ARE SHIPPED WITH THE STRUCTURE.
- ~~3. DOWNSPOUTS REQUIRED AT EACH COLUMN.~~



1. MAXIMUM ONE CUTOUT PERMITTED IN EACH MEMBER.
2. CUTOUTS CAN BE PLACED ON ANY SIDE OF A MEMBER.
3. CUTOUTS CAN BE PLACED ALONG MEMBERS AS INDICATED IN THE DETAILS.
4. ARCHITECTS REQUESTING CUTOUTS MUST MARKUP APPROVED PC DRAWINGS TO LOCATE CUTOUTS FOR APPROVAL AND FABRICATION.

GHD
4080 PLAZA GOLDENADO CIRCLE
SUITE B
CAMERON PARK, CA 95582
530.877.8515

poligon

PORTER
FLOORING

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MISC DESIGN
OPTIONS

HIP ROOF - RAM

RAM7.0

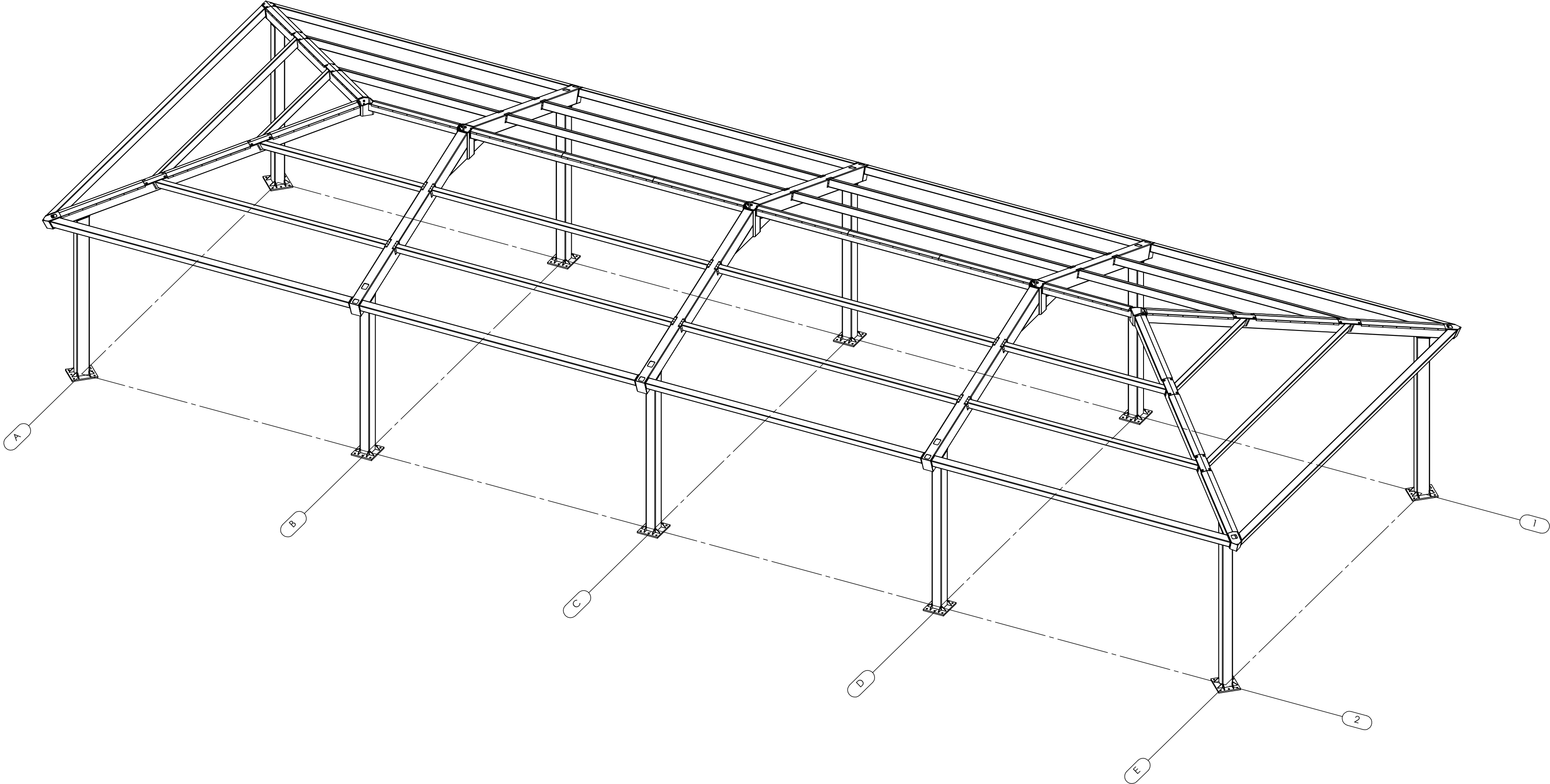
ELECTRICAL CUTOUT AND ACCESS INSTRUCTIONS

- IF 'YES' IS NOT SELECTED IN STEP 2 ON ORDER FORM, THEN THIS SHEET NEED NOT BE INCLUDED IN SITE-SPECIFIC DRAWINGS
- ONLY COLUMNS ARE PERMITTED TO HAVE ELECTRICAL ACCESS
- THE COLUMN CUTOUTS ARE STATIC AND SHOWN IN THE 'MISC DESIGN OPTIONS SHEET'
- IDENTIFY THE COLUMNS WITH ELECTRICAL CUTOUTS BELOW (REFERENCE GRID LINES IN ISOMETRIC FRAME VIEW TO THE RIGHT)
- STRUCTURES MAY BE LONGER OR SHORTER THAN THE ISOMETRIC FRAME VIEW SHOWN
- IF SITE-SPECIFIC STRUCTURE HAS A DIFFERENT NUMBER OF COLUMNS THAN ISOMETRIC SHOWN, REFERENCE COLUMN A1 IN THE ISOMETRIC VIEW AND CONTINUE PATTERN TO FIT SITE-SPECIFIC LAYOUT
- IF NO COLUMNS ARE IDENTIFIED, POLYGON WILL ASSUME CUTOUTS ONLY IN COLUMN A1
- CONTACT POLYGON ENGINEERING FOR SPECIAL PROJECT SPECIFIC REQUIREMENTS

ELECTRICAL CUTOUT IDENTIFICATION IN COLUMNS
SPECIFIC MEMBERS <u>A1, E2</u>

~~EXAMPLE:~~

ELECTRICAL CUTOUT IDENTIFICATION IN COLUMNS
SPECIFIC MEMBERS <u>A1 , B1, F1</u>



STATE APPROVALS-SITE

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APP: 02-121998 INC:			
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4083 PLAZA GOLDEN GATE
SUITE B
CAMERON PARK, CA 95822
530.877.0016



STATE APPROVALS-PC

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ELECTRICAL
CUTOUTS

HIP ROOF - RAM

RAM7.1