



CLOVIS USD

CERAMICS CLASSROOM RENOVATION

CLOVIS WEST HIGH SCHOOL

1070 E. TEAGUE, FRESNO, CA 93720

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PROJECT INFORMATION

BUILDING INFORMATION
 ADDRESS: 1070 E. TEAGUE, FRESNO, CA 93720
 CONSTRUCTION TYPE: III-B
 OCCUPANCY TYPE: E (EDUCATION)
 ALLOWABLE AREA: 14,800 SQ. FT. + 10,875 SQ. FT. (SIDE YARD INCREASE) + 25,375 SQ. FT.
 ACTUAL AREA: 20,450 SQ. FT. < 25,375 SQ. FT.
 BUILDING CONSTRUCTION:
 • CHU EXTERIOR BEARING WALL
 • WOOD INTERIOR NON-BEARING WALL
 • WOOD FRAME ROOF AND CEILING
 • SLAB ON GRADE FLOOR
 FIRE SPRINKLERS: NONE
 FIRE ALARM: YES

DESCRIPTION OF WORK

INSTALLATION OF NEW TRENCH DRAIN, THREE COMPARTMENT SINK, AND HAND WASH SINK. WORK INCLUDES ELECTRICAL POWER.

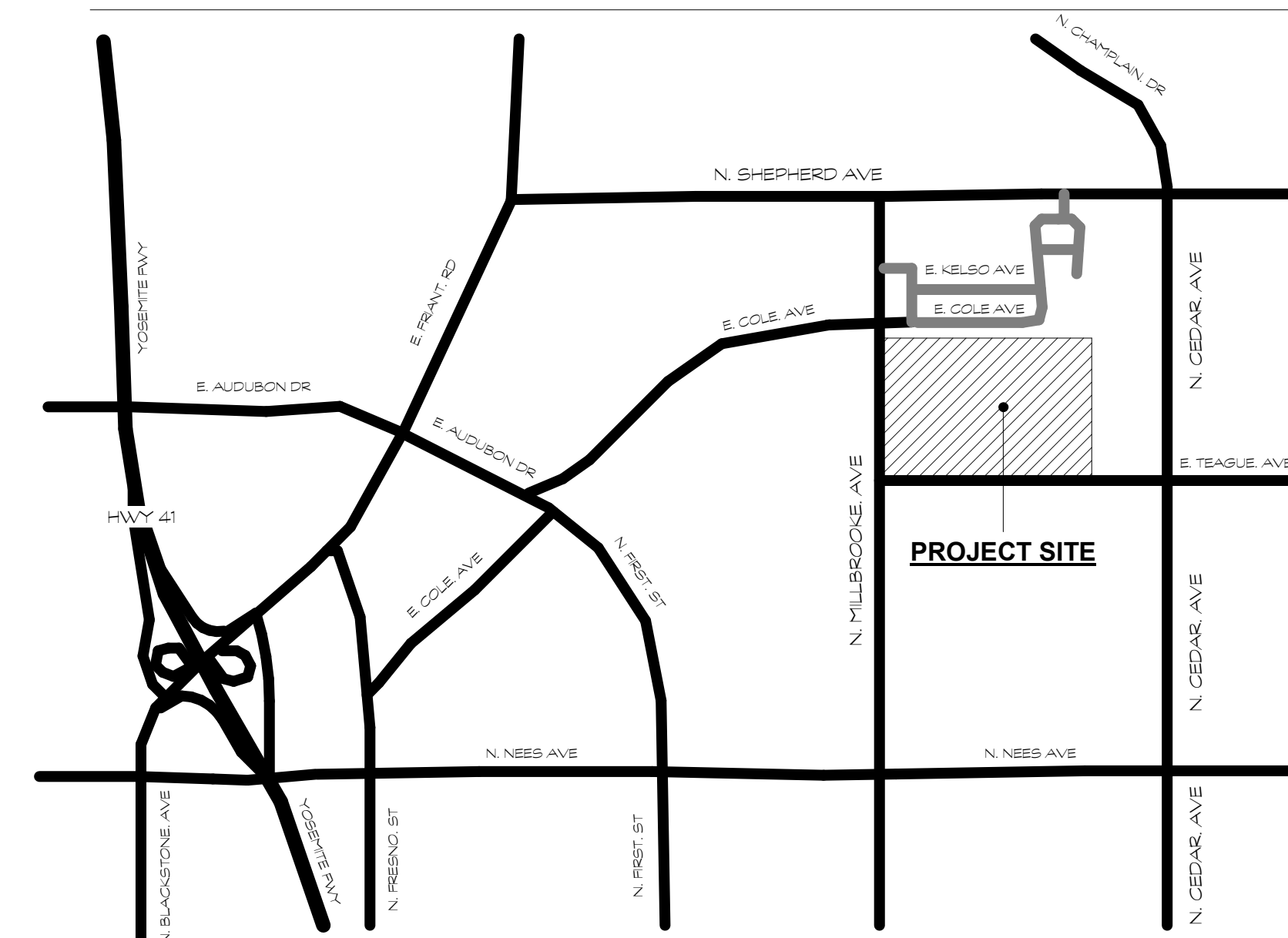
GOVERNING CODES

- 2022 CALIFORNIA ADMINISTRATIVE CODE (PART 1 OF TITLE 24, CCR)
- 2022 CALIFORNIA BUILDING CODE (PART 2 OF TITLE 24, CCR)
- 2022 CALIFORNIA ELECTRICAL CODE (PART 3 OF TITLE 24, CCR)
- 2022 CALIFORNIA MECHANICAL CODE (PART 4 OF TITLE 24, CCR)
- 2022 CALIFORNIA PLUMBING CODE (PART 5 OF TITLE 24, CCR)
- 2022 CALIFORNIA ENERGY CODE (PART 6 OF TITLE 24, CCR)
- 2022 CALIFORNIA FIRE CODE (PART 9 OF TITLE 24, CCR)
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN)
- 2022 CALIFORNIA REFERENCED STANDARDS CODE (PART 12 OF TITLE 24, CCR)
- CALIFORNIA CODE OF REGULATIONS, TITLE 19, PUBLIC SAFETY
- CALIFORNIA OCCUPATIONAL HEALTH & SAFETY ACT
- CALIFORNIA ENVIRONMENTAL QUALITY ACT, LATEST EDITION
- REQUIREMENTS OF THE REGIONAL WATER QUALITY BOARD
- AIR QUALITY MANAGEMENT DISTRICT REGULATIONS
- LOCAL PUBLIC AGENCY STANDARDS (UTILITY CONNECTIONS, FIRE PROTECTION SYSTEM, ETC.)
- 2019 NFPA 72 - NATIONAL FIRE ALARM CODE
- ASHRAE INDOOR AIR QUALITY STANDARD 62-1989

DEFERRED APPROVALS

NONE

VACINITY MAP

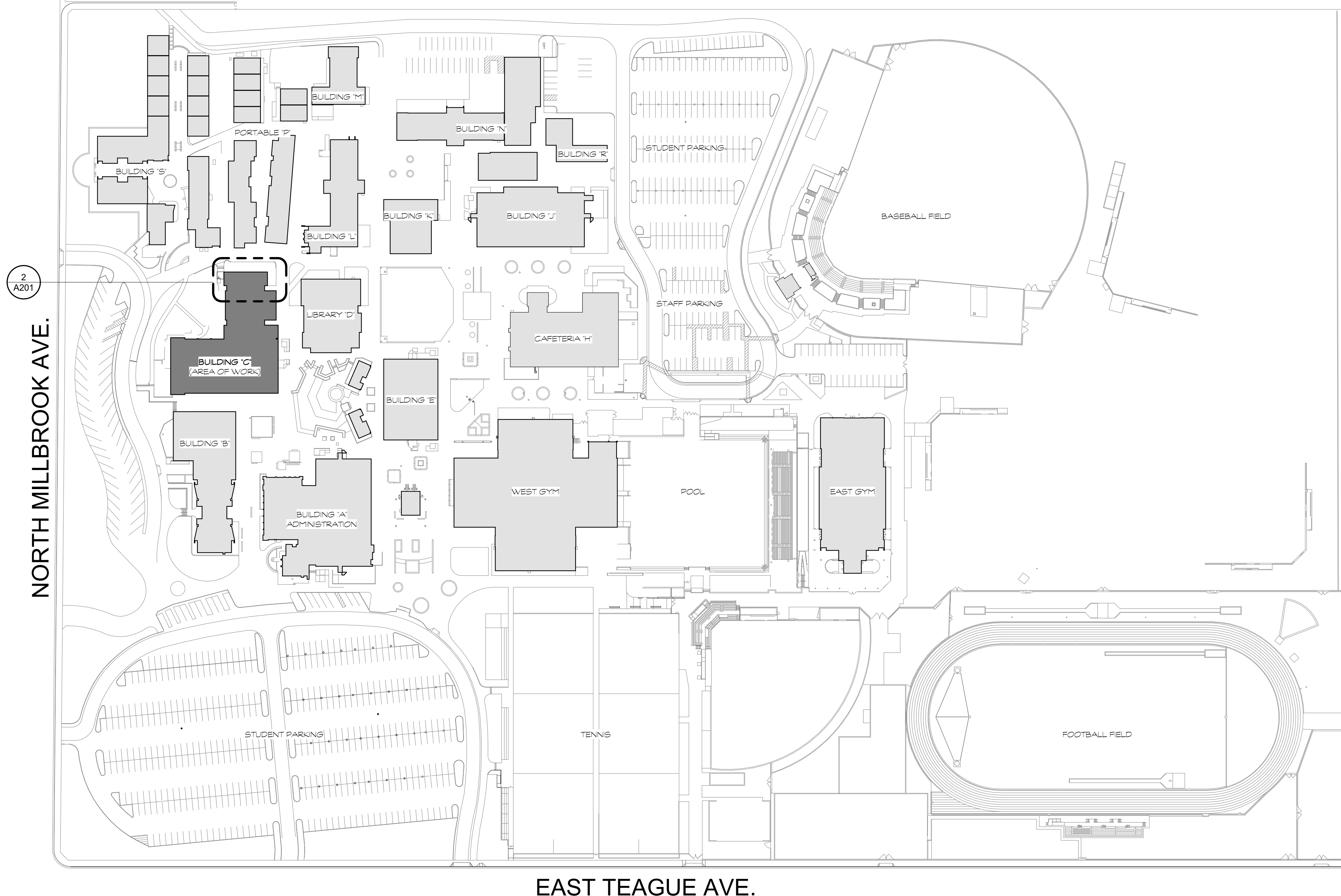


PROJECT DIRECTORY

OWNER:
 CLOVIS UNIFIED SCHOOL DISTRICT
 1450 HERNDON AVE., CLOVIS, CA 93611
 (559) 327-2000
 CONTACT: [REDACTED]

MECHANICAL ENGINEER:
 LAWRENCE ENGINEERING GROUP
 4910 E. CLINTON WAY, FRESNO, CA 93727
 (559) 431-0101
 CONTACT: RYAN CARLSON

ELECTRICAL ENGINEER:
 HARDIN-DAVIDSON ENGINEERING
 395 POLLACKY AVE., SUITE 200, CLOVIS, CA 93612
 (559) 323-4995
 CONTACT: RICHARD HARDIN



1 OVERALL SITE PLAN
 1" = 100'-0"

PH

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PROJECT:
**CUSD CLOVIS WEST
 CERAMICS CLASSROOM**
 1070 E. TEAGUE, FRESNO CA 93720
 SHEET: COVER AND SITE PLAN

DRAWING SET INFORMATION:

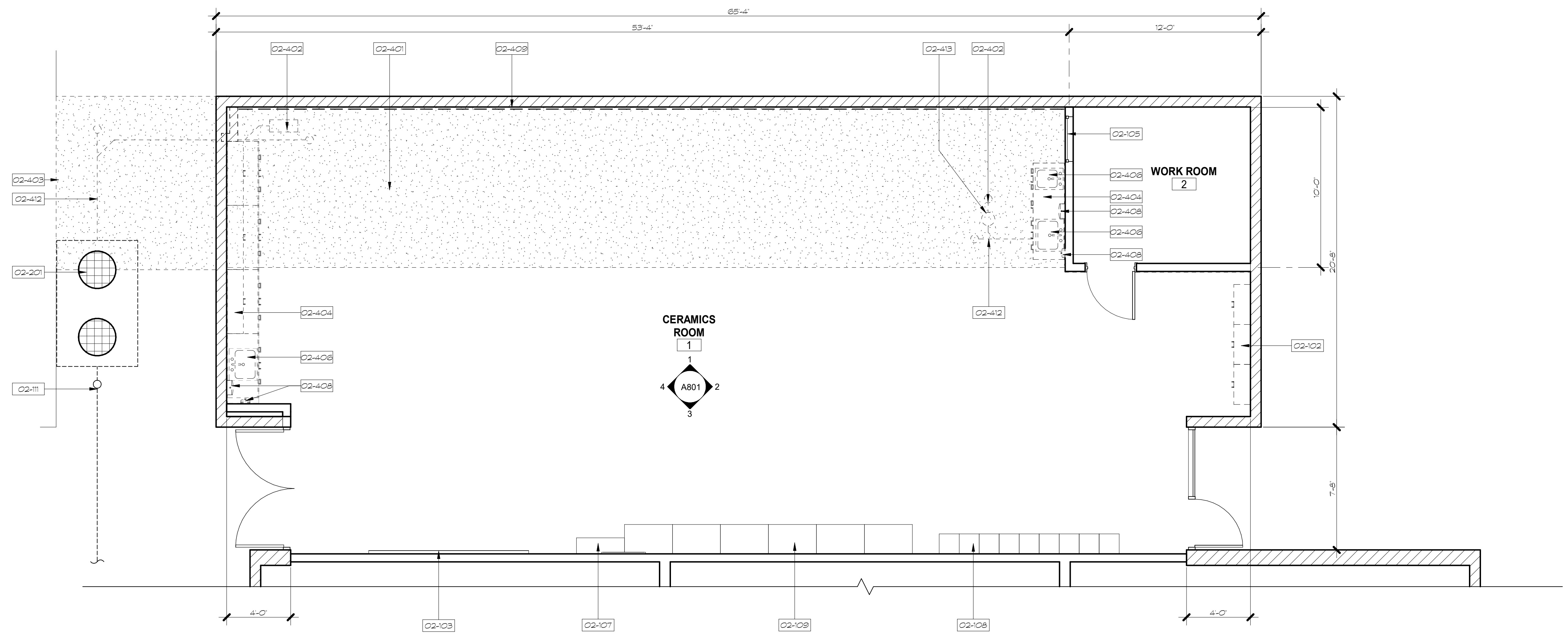
5/5/2023 SUBMITTAL SET

REVISIONS:

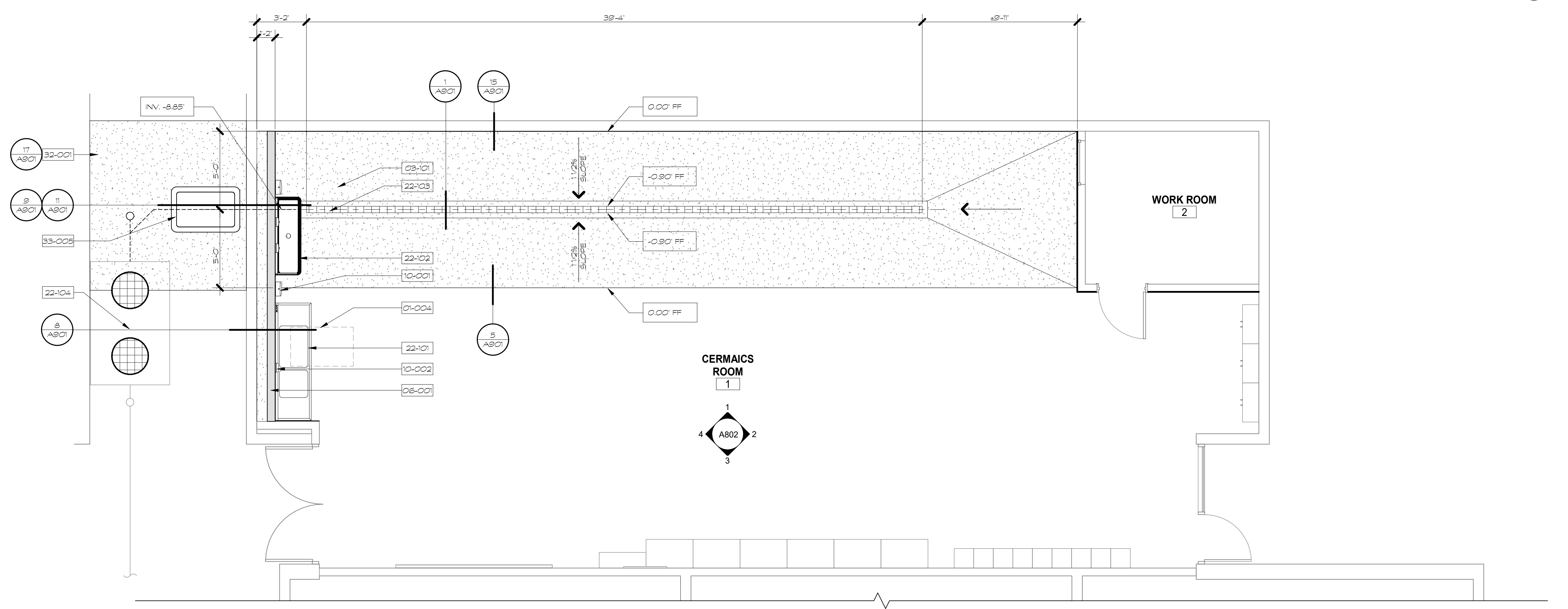
NO.	DESCRIPTION

PROJECT NUMBER:
 2306

SHEET NUMBER:
 G000



1 EXISTING FLOOR PLAN
1/4" = 1'-0"



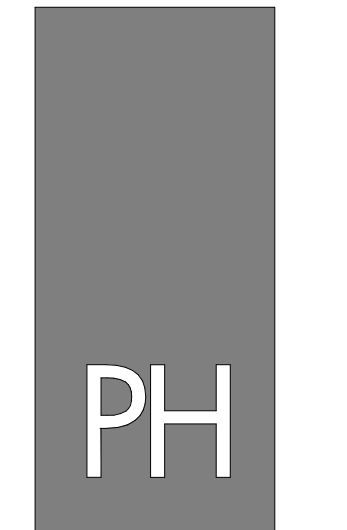
2 PROPOSED FLOOR PLAN
1/4" = 1'-0"

GENERAL NOTES

- A. KEYNOTES APPLY TO THIS SHEET ONLY.
- B. DIMENSIONS WITH "MIN.", "CLR.", "MIN CLR." OR "ABSOLUTE" ARE MEASURED FROM FACE OF WALL FINISH.
- C. PATCH (E) WALL TO MATCH EXISTING WHERE ITEMS HAVE BEEN DEMOLISHED.
- D. CAP ALL UTILITIES BEHIND WALL AND PATCH FINISHES.
- E. FINISHES:
 - a. FLOOR:
 - CLEAN AND SEAL (E) CONCRETE FLOOR.
 - SEAL NEW CONCRETE FLOOR TO MATCH EXISTING.
 - b. WALL:
 - INSTALL NEW FRP PER INTERIOR ELEVATIONS.
 - INSTALL NEW RUBBER BASE WHERE NEW FLOOR OR WALL IS INSTALLED.
 - RUBBER BASE TO MATCH EXISTING.
 - WHERE REPAIR OF (E) GYPSUM BOARD WALL OCCURS, PAINT TO MATCH EXISTING.
 - WHERE (E) CMU WALL OCCURS, CLEAN WALL AS REQUIRED FOR INSTALLATION OF NEW FRP. (E) CMU WALL TO REMAIN UNFINISHED.
 - c. CEILING:
 - REFER TO RCP FOR WORK ON THE CEILING.

KEYNOTES

- O1-004 DASHED LINE INDICATES 30"x48" ACCESSIBLE FLOOR CLEARANCE
- O2-102 (E) PLASTIC LAMINATED CABINETS TO REMAIN
- O2-103 (E) WINDOW TO REMAIN
- O2-105 (E) WINDOW TO REMAIN
- O2-107 (E) OPEN SHELVES
- O2-108 (E) LOCKERS
- O2-109 (E) FULL HEIGHT CABINETS
- O2-111 (E) UNDERGROUND UTILITY LINE AND CLEAN OUT TO REMAIN. SEE MECH. DWGS.
- O2-201 (E) CLAY INTERCEPTOR TO REMAIN
- O2-401 SAWCUT AND REMOVE PORTION OF (E) CONCRETE SLAB
- O2-402 REMOVE (E) FLOOR DRAIN. SEE MECH. DWGS.
- O2-403 SAWCUT AND REMOVE PORTION OF (E) CONCRETE WALK AT JOINT ONLY
- O2-404 REMOVE (E) CABINET, UPPER CABINET, AND COUNTERTOP
- O2-406 REMOVE (E) SINK. SEE MECH. DWGS.
- O2-408 REMOVE (E) WALL MOUNTED PAPER TOWEL AND SOAP DISPENSER
- O2-409 REMOVE (E) WALL MOUNTED ELECTRICAL CONDUITS
- O2-412 REMOVE (E) UNDERGROUND UTILITY LINE AND CLEAN OUT. SEE MECH. DWGS.
- O2-413 REMOVE (E) CLAY INTERCEPTOR
- O3-101 PATCH CONCRETE TO MATCH EXISTING
- O6-001 2x6 @ 16" O.C. PARTIAL HEIGHT STUD WALL WITH GYPSUM BOARD TO MATCH EXISTING
- 10-001 WALL MOUNTED PAPER TOWEL DISPENSER
- 10-002 WALL MOUNTED SOAP DISPENSER
- 22-101 STAINLESS STEEL TWO COMPARTMENT SINK WITH DRAIN BOARD ON EA. SIDE. SEE PLUMB. DWGS.
- 22-102 STAINLESS STEEL MULTI-STATION SINK. SEE PLUMB. DWGS.
- 22-103 TRENCH DRAIN
- 22-104 POINT OF CONNECTION. SEE PLUMBING DWGS.
- 32-001 CONCRETE WALK
- 33-005 CRISTY BOX WITH CONC. EXTENSION AND STEEL COVER



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PROJECT: CUSD CLOVIS WEST CERAMICS CLASSROOM
 1070 E. TEAGUE, FRESNO CA 93720
 SHEET: FLOOR PLAN

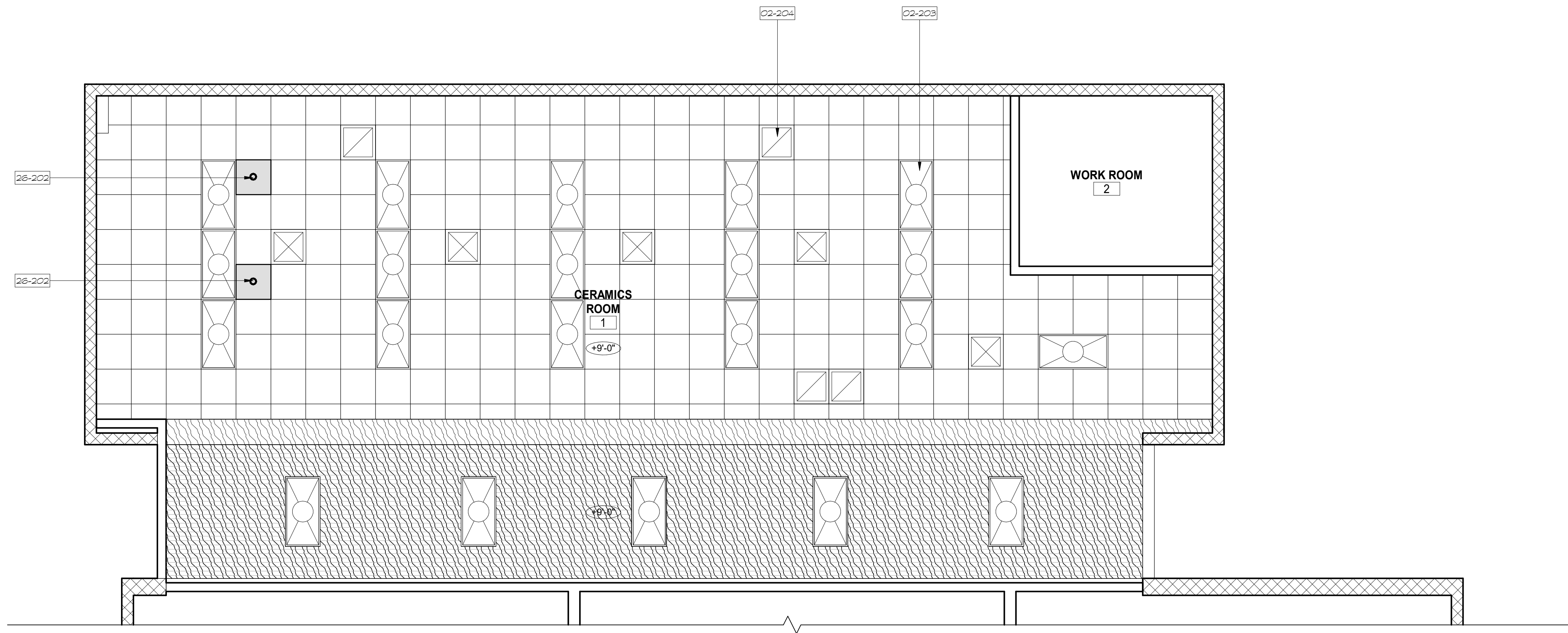
DRAWING SET INFORMATION:
 5/5/2023 SUBMITTAL SET

REVISIONS:

NO.	DESCRIPTION

PROJECT NUMBER:
2306

SHEET NUMBER:
A201



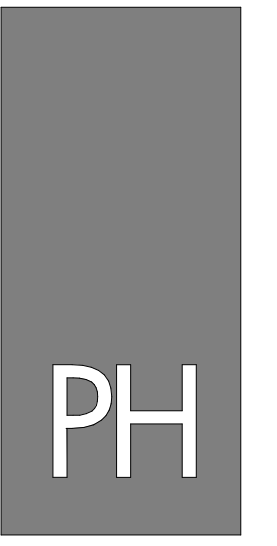
1 REFLECTED CEILING PLAN (EXISTING)
1/4" = 1'-0"

GENERAL NOTES

- A. KEYNOTES APPLY TO THIS SHEET ONLY.
- B. VERIFY LOCATION OF (E) LIGHTS, MECHANICAL VENTS, AND OTHER UTILITIES TO REMAIN, U.N.O.
- C. (E) SUSPENDED CEILING SYSTEM TO REMAIN. REMOVE TILE AND REINSTALL AS REQUIRED FOR INSTALLATION OF (N) ELECTRICAL POWER.
- D. ASSUME 10% OF THE (E) DAMAGED SUSPENDED CEILING TILE TO BE REPLACED WITH NEW TO MATCH EXISTING.

KEYNOTES

- 02-203 (E) LIGHT FIXTURE TO REMAIN, TYP.
- 02-204 (E) MECH VENT TO REMAIN, TYP.
- 26-202 CEILING MOUNTED POWER PULL CORD, SEE ELEC. DWGS.



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PROJECT:
CUSD CLOVIS WEST CERAMICS CLASSROOM
1070 E. TEAGUE, FRESNO CA 93720
SHEET: REFLECTED CEILING PLAN

DRAWING SET INFORMATION:

5/5/2023 SUBMITTAL SET

REVISIONS:

NO.	DESCRIPTION

PROJECT NUMBER:

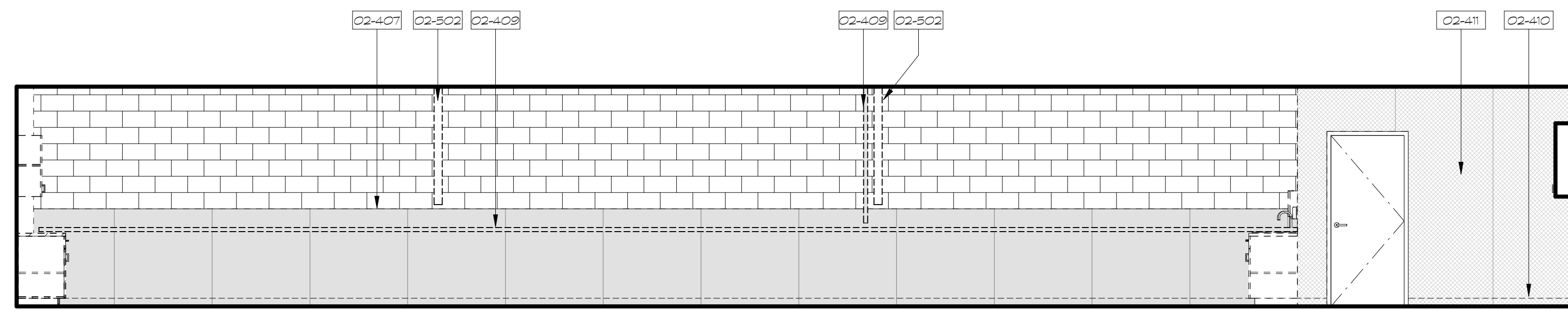
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SHEET NUMBER:

A601

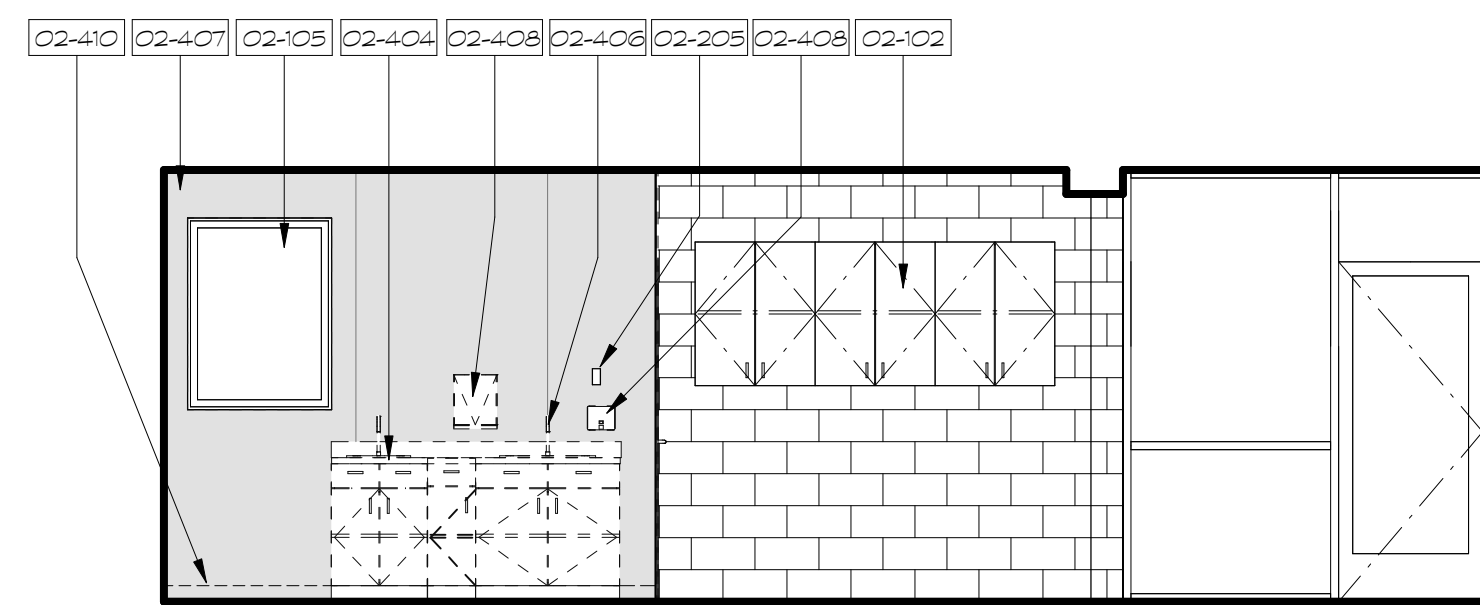
GENERAL NOTES

- KEYNOTES APPLY TO THIS SHEET ONLY.
- CAP UTILITIES BEHIND WALL FINISH AND PATCH EXISTING WALL TO MATCH.



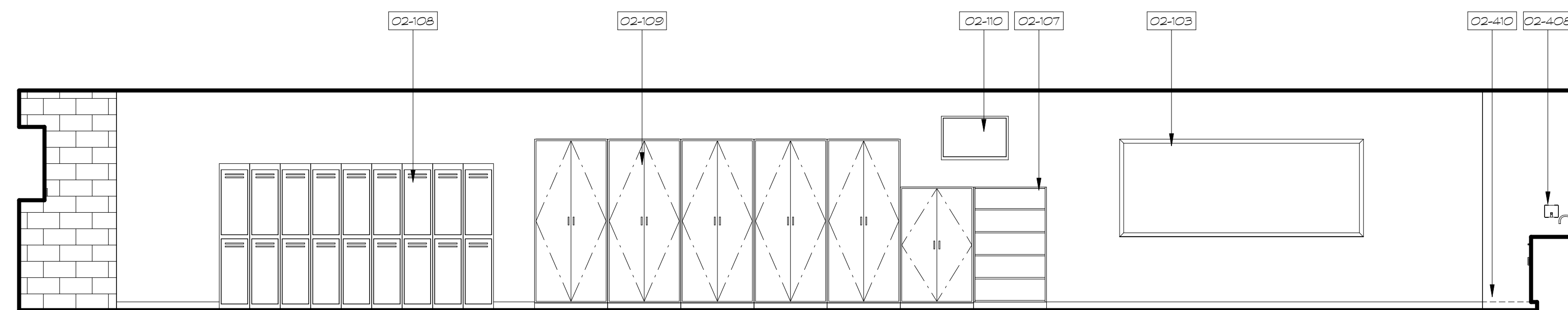
1 - CERAMIC ROOM - NORTH (EXISTING)

1/4" = 1'-0"



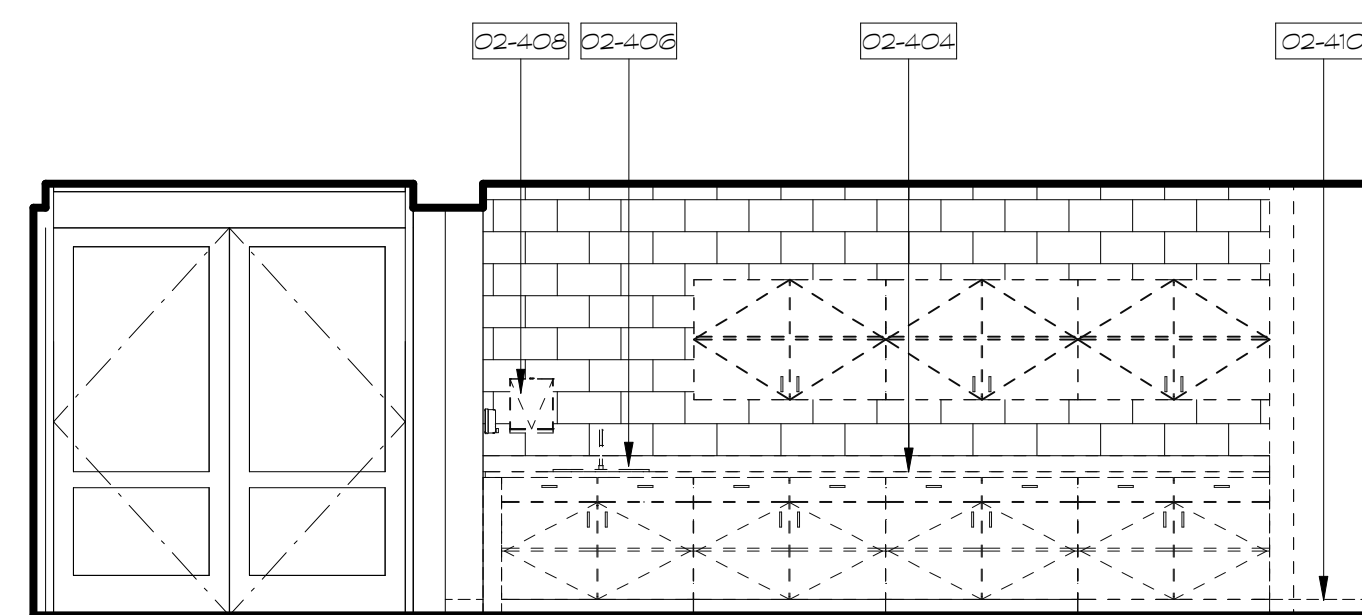
2 - CERAMIC ROOM - EAST (EXISTING)

1/4" = 1'-0"



3 - CERAMIC ROOM - SOUTH (EXISTING)

1/4" = 1'-0"



4 - CERAMIC ROOM - WEST (EXISTING)

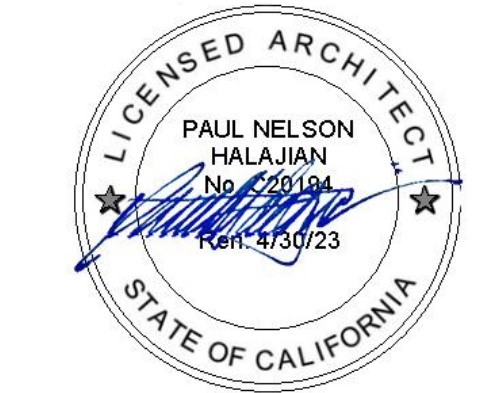
1/4" = 1'-0"

KEYNOTES

- O2-102 (E) PLASTIC LAMINATED CABINETS TO REMAIN
- O2-103 (E) WHITE BOARD TO REMAIN
- O2-105 (E) WINDOW TO REMAIN
- O2-107 (E) OPEN SHELVES
- O2-108 (E) LOCKERS
- O2-109 (E) FULL HEIGHT CABINETS
- O2-110 (E) WALL MOUNTED TV
- O2-205 REMOVE AND REINSTALL THERMOSTAT AS REQUIRED FOR INSTALLATION OF (N) WALL FINISH
- O2-404 REMOVE (E) CABINET, UPPER CABINET, AND COUNTERTOP
- O2-406 REMOVE (E) SINK, SEE MECH. DWGS.
- O2-407 REMOVE (E) FRP WALL FINISH
- O2-408 REMOVE (E) WALL MOUNTED PAPER TOWEL AND SOAP DISPENSER
- O2-409 REMOVE (E) WALL MOUNTED ELECTRICAL CONDUITS
- O2-410 REMOVE (E) WALL BASE
- O2-411 REMOVE (E) VCTS
- O2-502 REMOVE (E) SURFACE MOUNTED DATA LINE, SEE ELEC. DWGS.

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PROJECT:
CUSD CLOVIS WEST
CERAMICS CLASSROOM
 1070 E. TEAGUE, FRESNO CA 93720
SHEET: INTERIOR ELEVATIONS

DRAWING SET INFORMATION:

5/5/2023 SUBMITTAL SET

REVISIONS:

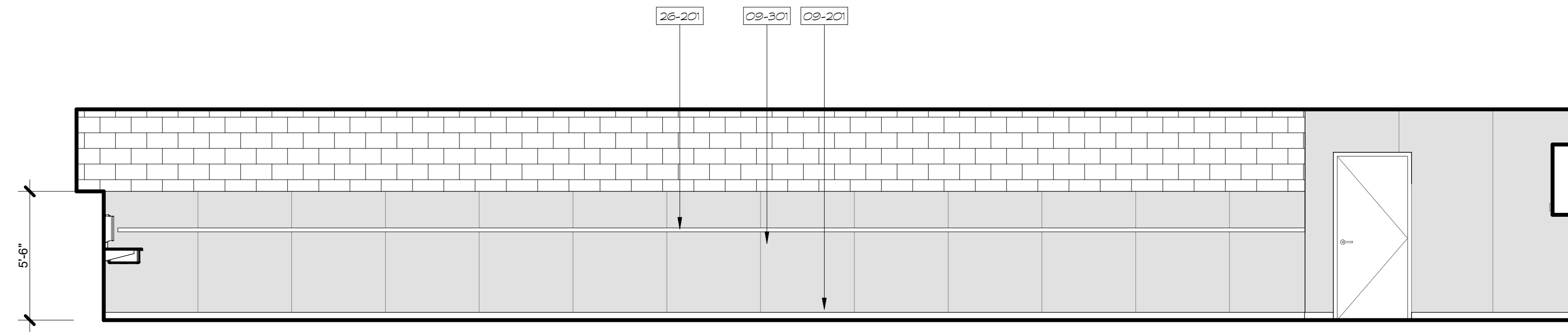
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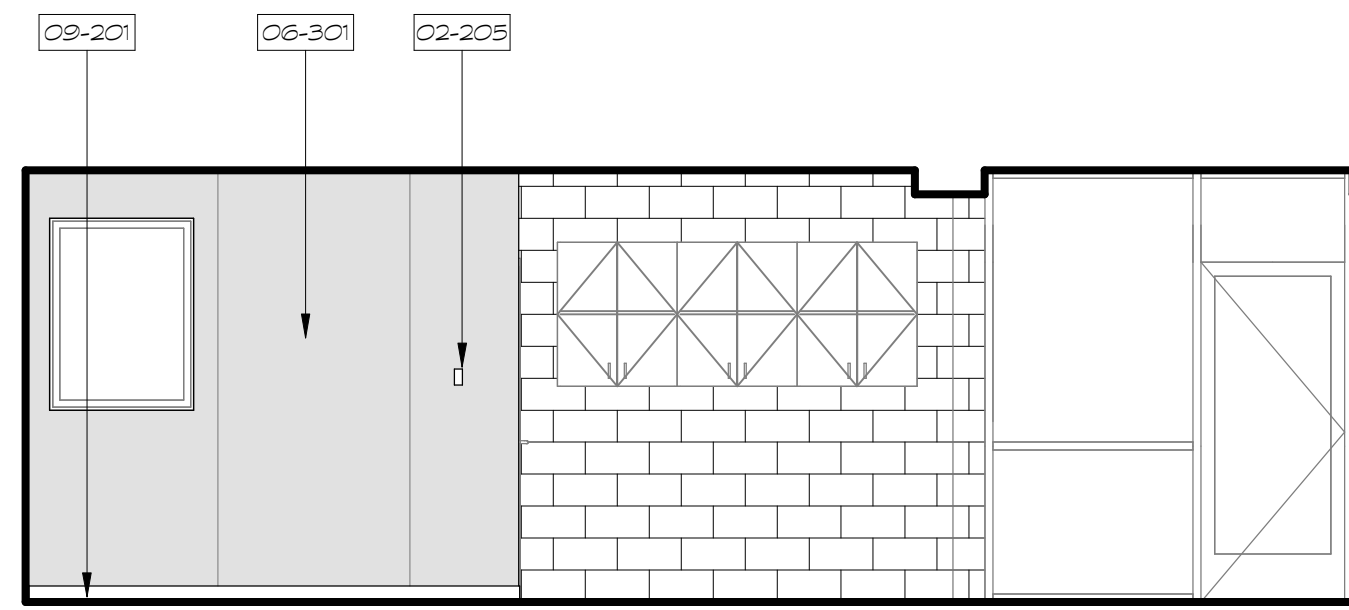
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SHEET NUMBER:

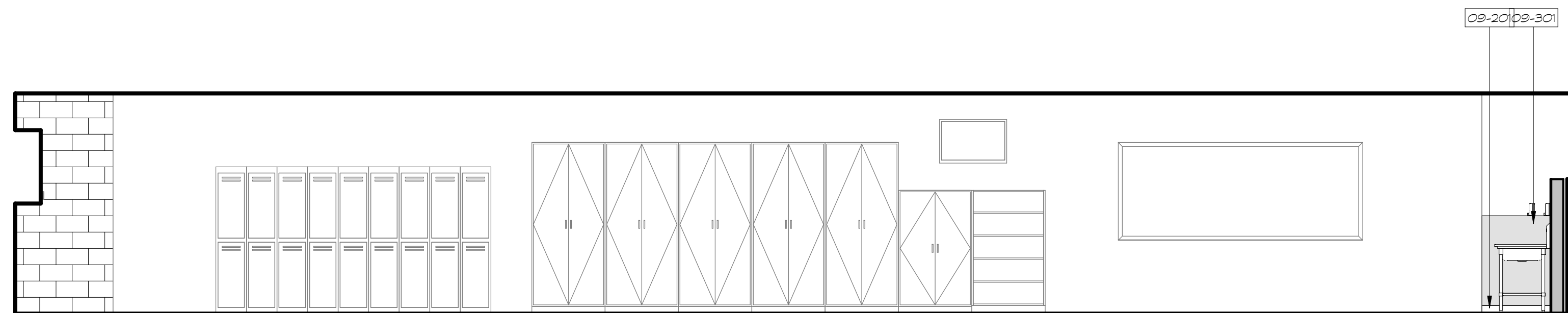
A801



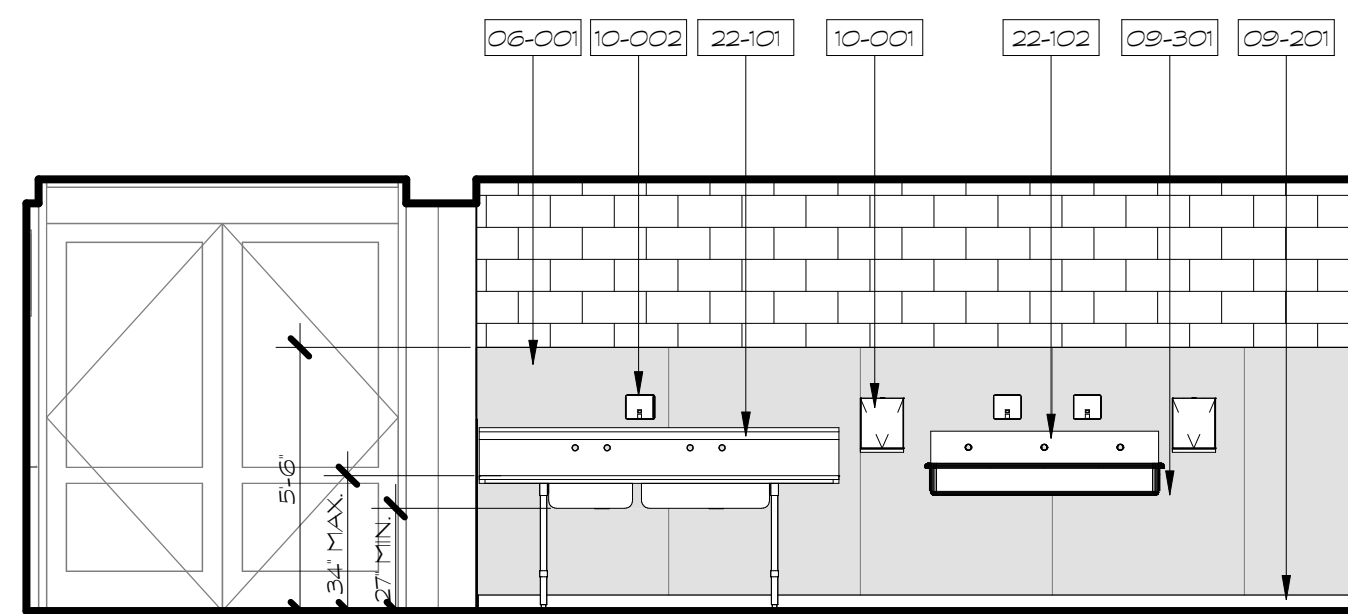
1 - CERAMICS ROOM - NORTH
1/4" = 1'-0"



1 - CERAMICS ROOM - EAST
1/4" = 1'-0"



1 - CERAMICS ROOM - SOUTH
1/4" = 1'-0"



1 - CERAMICS ROOM - WEST
1/4" = 1'-0"

GENERAL NOTES

1. KEYNOTES APPLY TO THIS SHEET ONLY.
2. DIMENSIONS WITH "MIN.", "CLR.", "MIN CLR." OR "ABSOLUTE" ARE MEASURED FROM FACE OF WALL FINISH.
3. TOILET ACCESSORIES PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR.
4. FOR ACCESSIBLE CLEARANCES AND MOUNTING HEIGHTS, SEE DETAIL.



KEYNOTES

- 02-202 REMOVE AND REINSTALL THERMOSTAT AS REQUIRED FOR INSTALLATION OF (N) WALL FINISH
- 06-001 2X6 @ 16" O.C. PARTIAL HEIGHT STUD WALL WITH GYPSUM BOARD TO MATCH EXISTING
- 06-301 FIBERGLASS REINFORCED PLASTIC PANELS
- 09-201 RUBBER FLOOR BASE
- 09-301 FIBERGLASS WALL PANEL
- 10-001 WALL MOUNTED PAPER TOWEL DISPENSER
- 10-002 WALL MOUNTED SOAP DISPENSER
- 22-101 STAINLESS STEEL TWO COMPARTMENT SINK WITH DRAIN BOARD ON EA SIDE, SEE PLUMB. DWGS.
- 22-102 STAINLESS STEEL MULTI-STATION SINK, SEE PLUMB. DWGS.
- 26-201 ELECTRICAL POWER RACEWAY, SEE ELEC. DWGS.

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PROJECT: CUSD CLOVIS WEST CERAMICS CLASSROOM
1070 E. TEAGUE, FRESNO CA 93720
SHEET: INTERIOR ELEVATIONS

DRAWING SET INFORMATION:

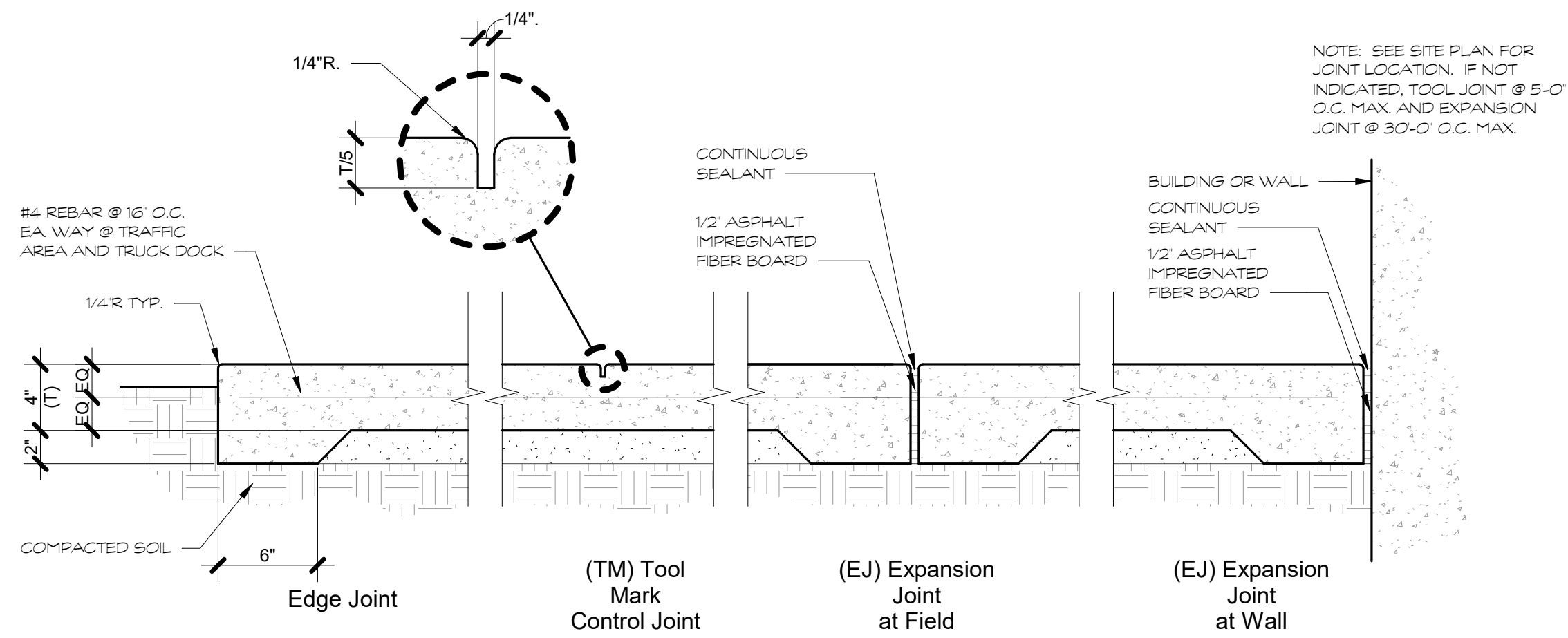
5/5/2023	SUBMITTAL SET
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REVISIONS:

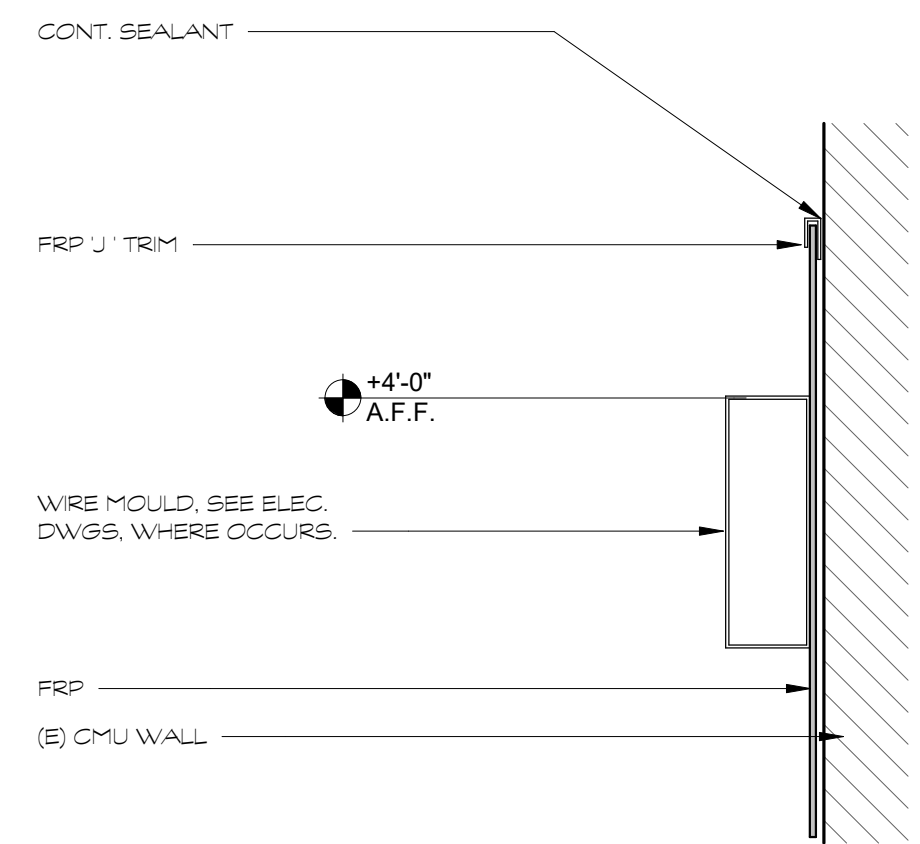
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PROJECT NUMBER: 2306

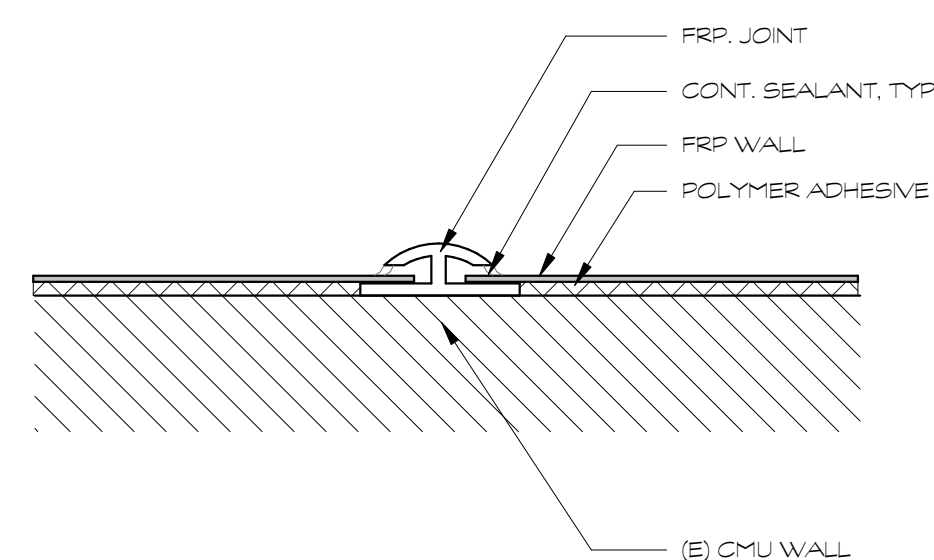
SHEET NUMBER: A802



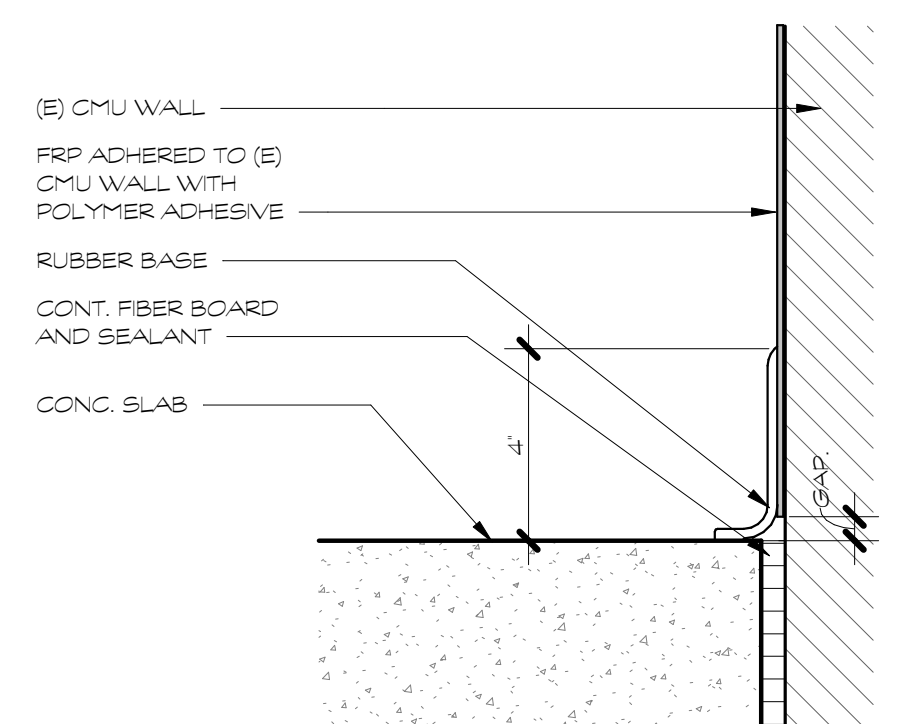
17 CONCRETE EXTERIOR WALK
1 1/2" = 1'-0"



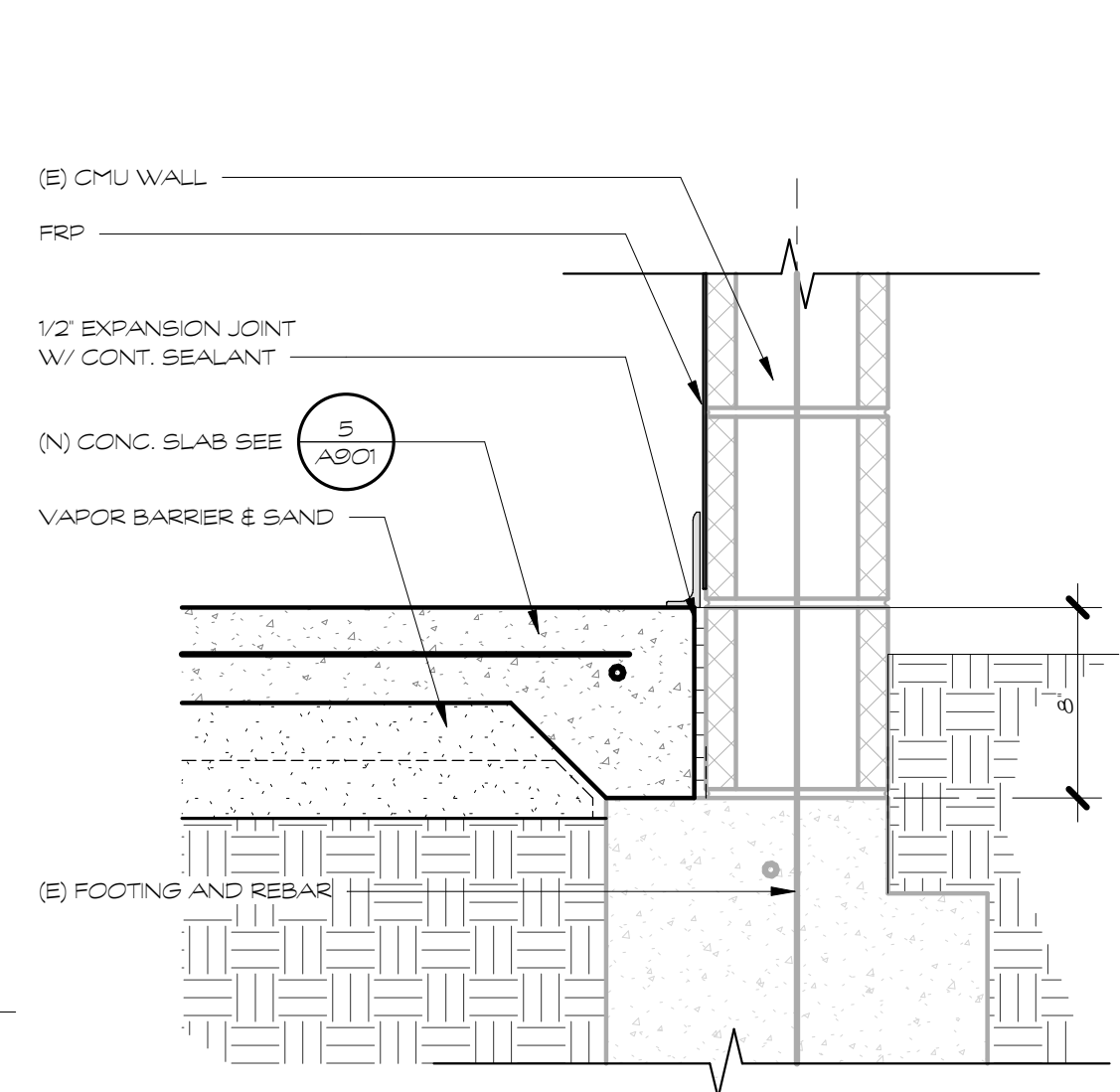
18 FIBER REINFORCED PLASTIC @ TOP
3" = 1'-0"



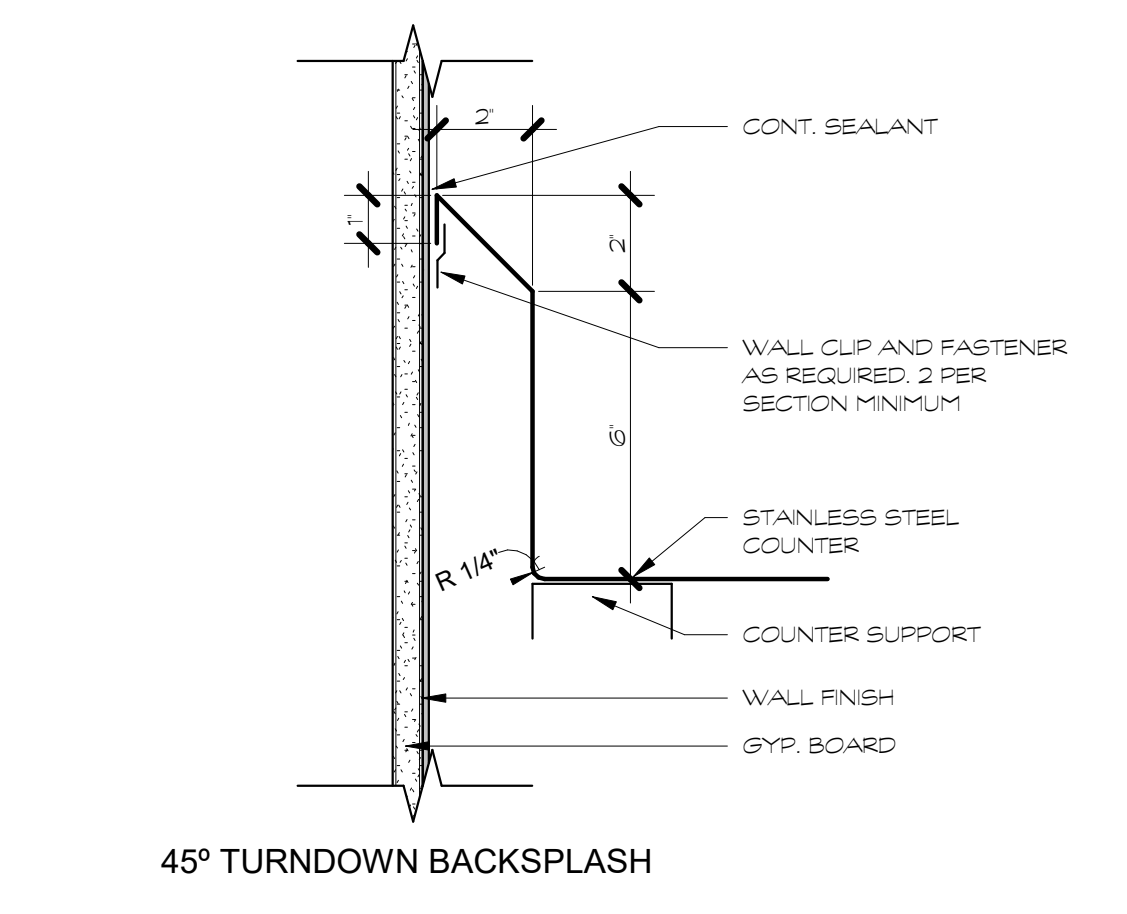
19 FIBER REINFORCED PLASTIC JOINT
3" = 1'-0"



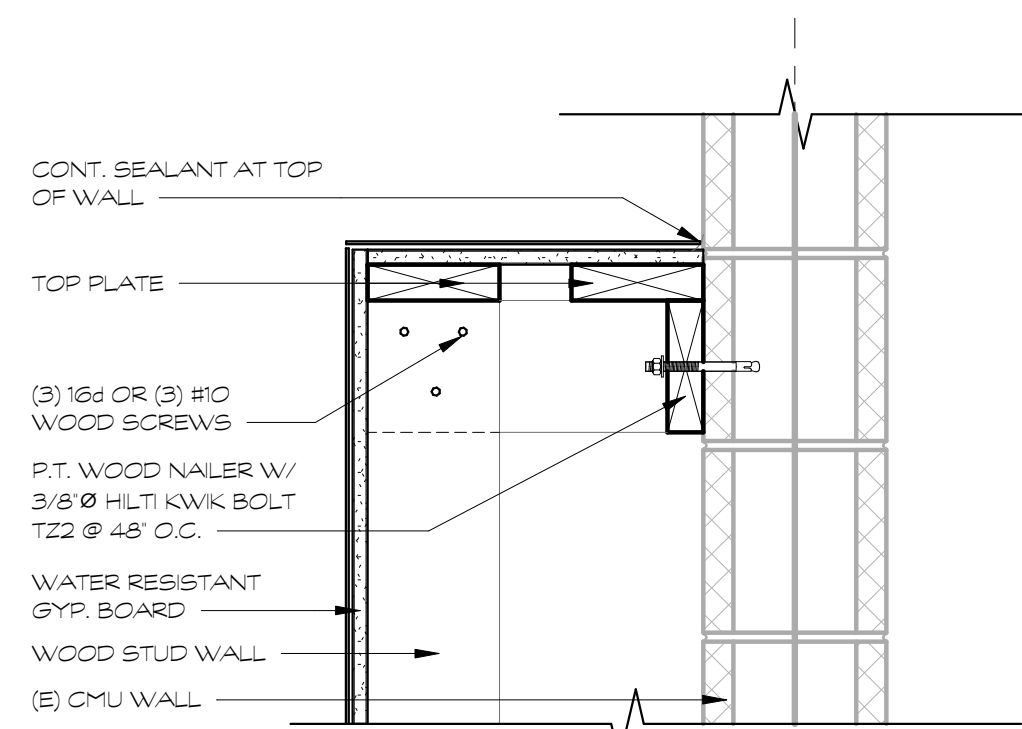
20 FIBER REINFORCED PLASTIC @ BASE
3" = 1'-0"



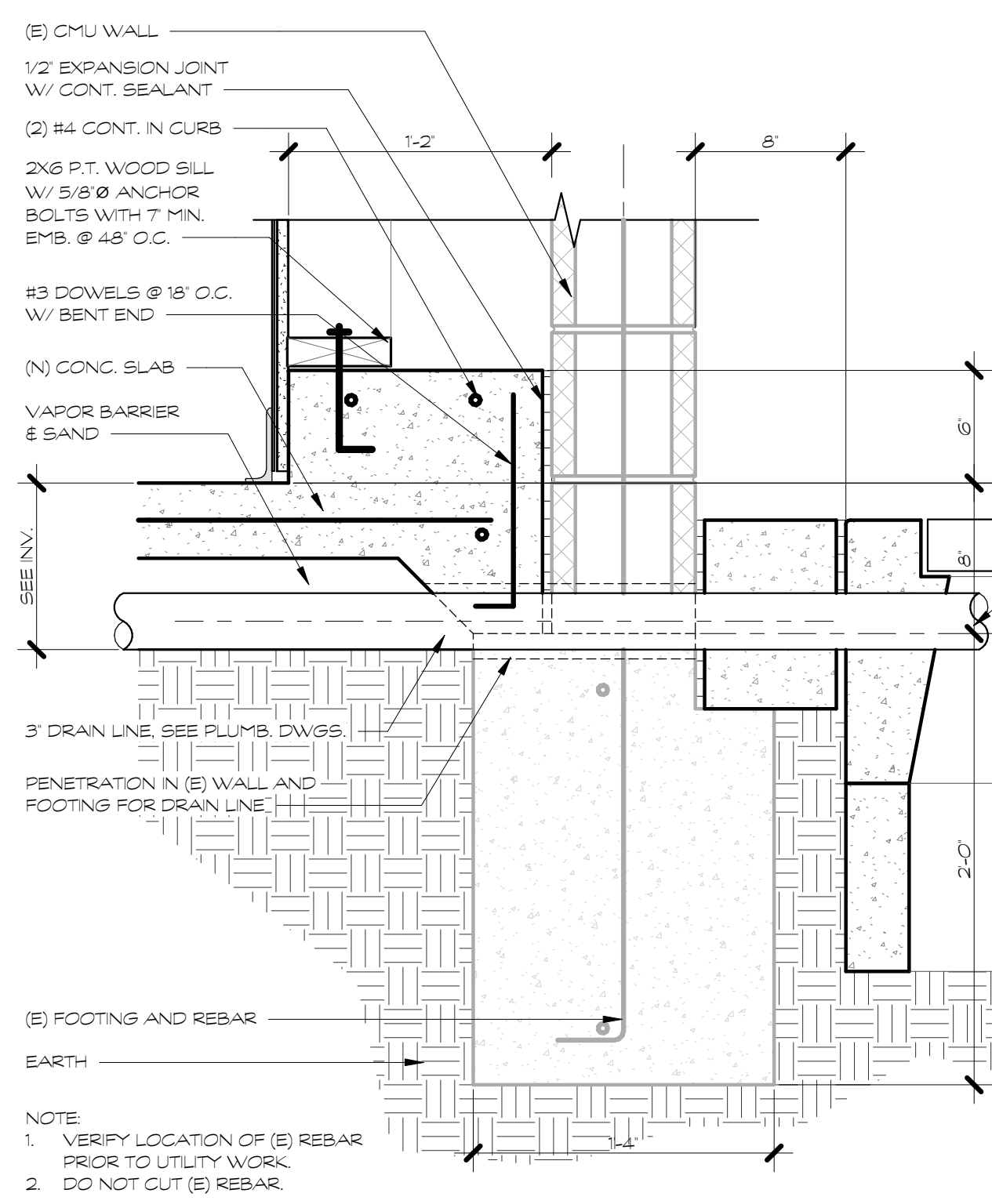
15 CONCRETE SLAB EDGE
1 1/2" = 1'-0"



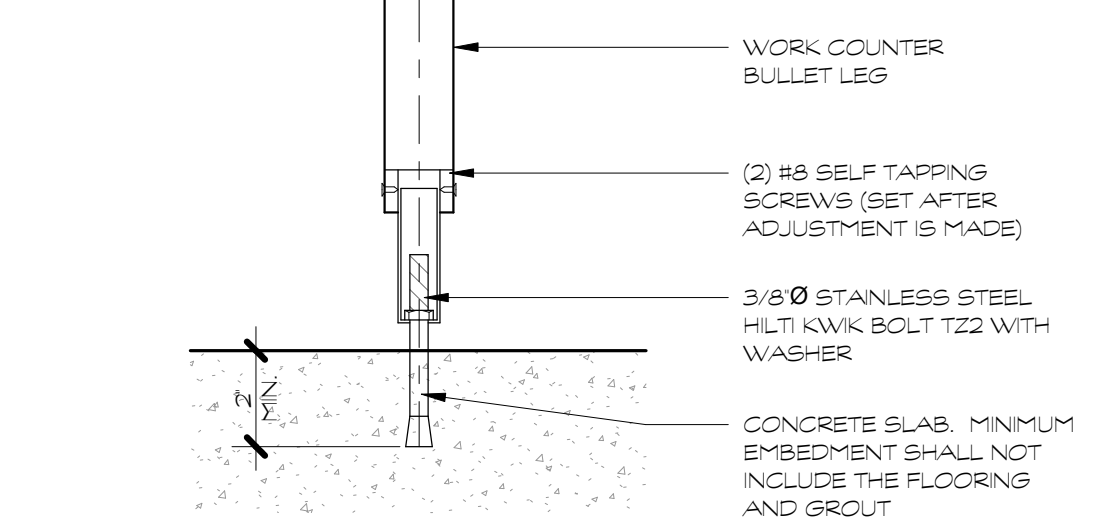
16 STAINLESS STEEL EDGE AND SPLASH
3" = 1'-0"



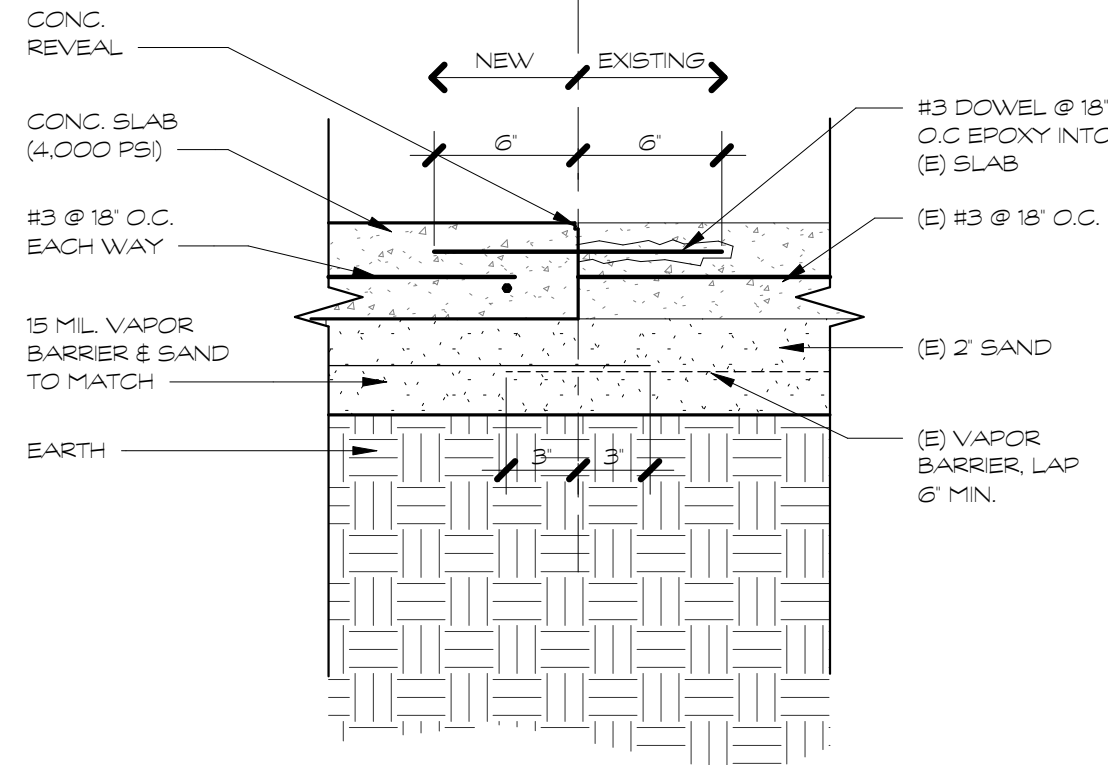
9 TOP OF PARTIAL HEIGHT WALL
1 1/2" = 1'-0"



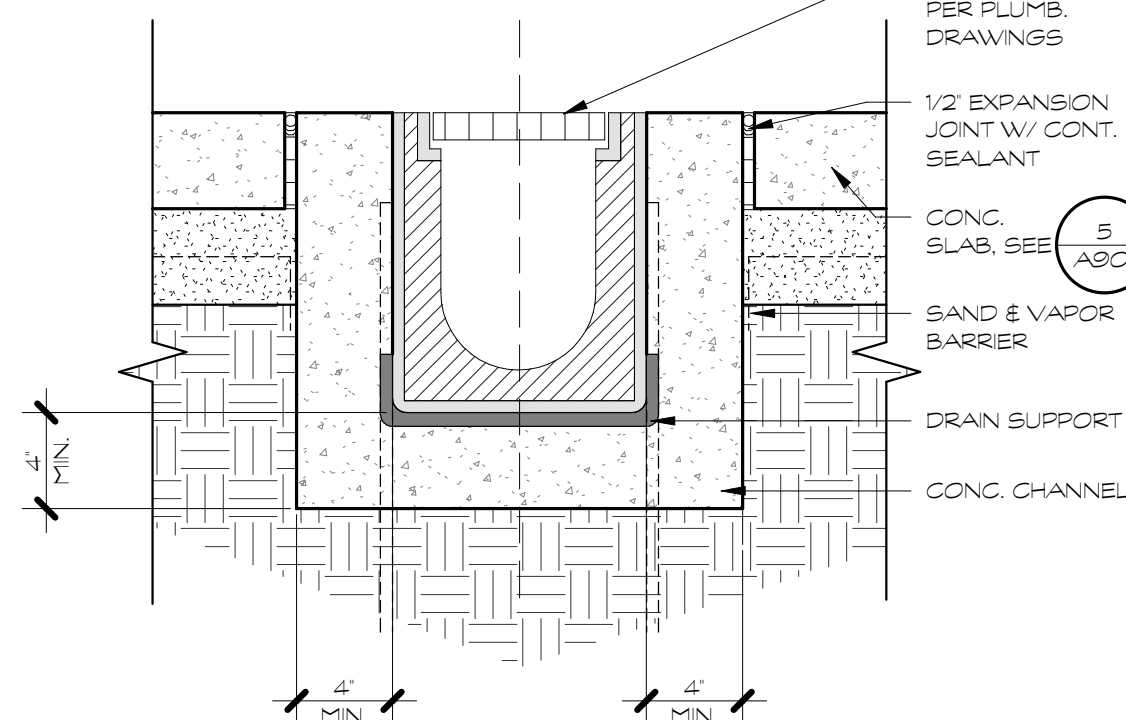
11 CONCRETE SLAB EDGE WITH DRAIN LINE
1 1/2" = 1'-0"



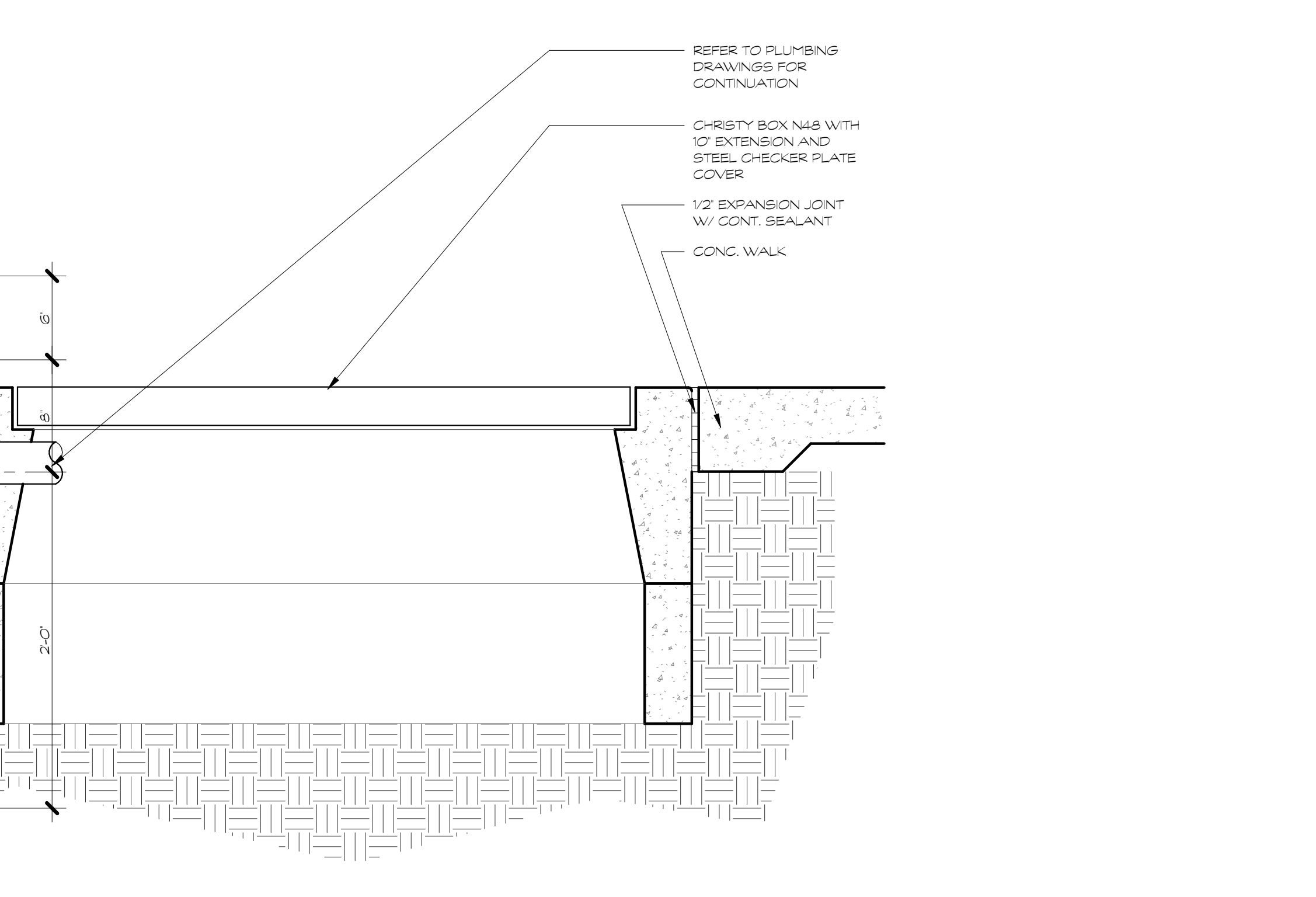
12 STAINLESS STEEL BULLET LEG
3" = 1'-0"



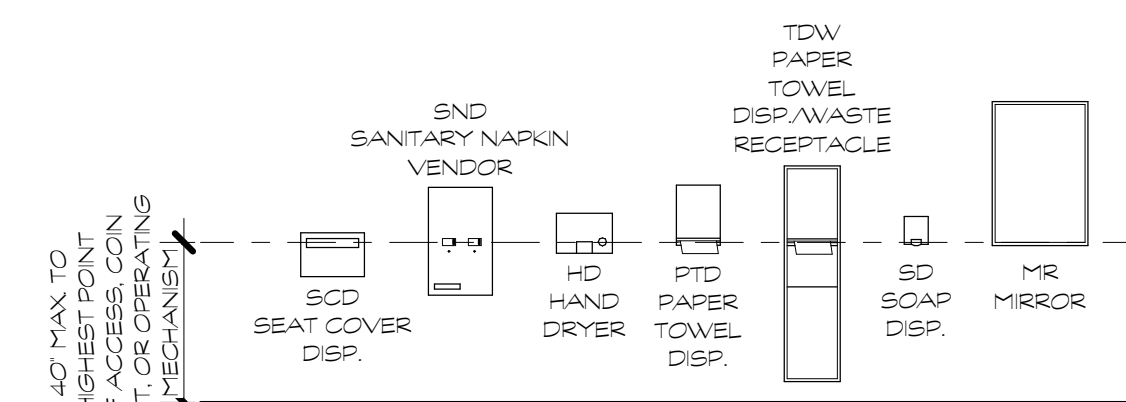
5 CONCRETE SLAB DETAIL
1 1/2" = 1'-0"



7 FLOOR DRAIN
1 1/2" = 1'-0"

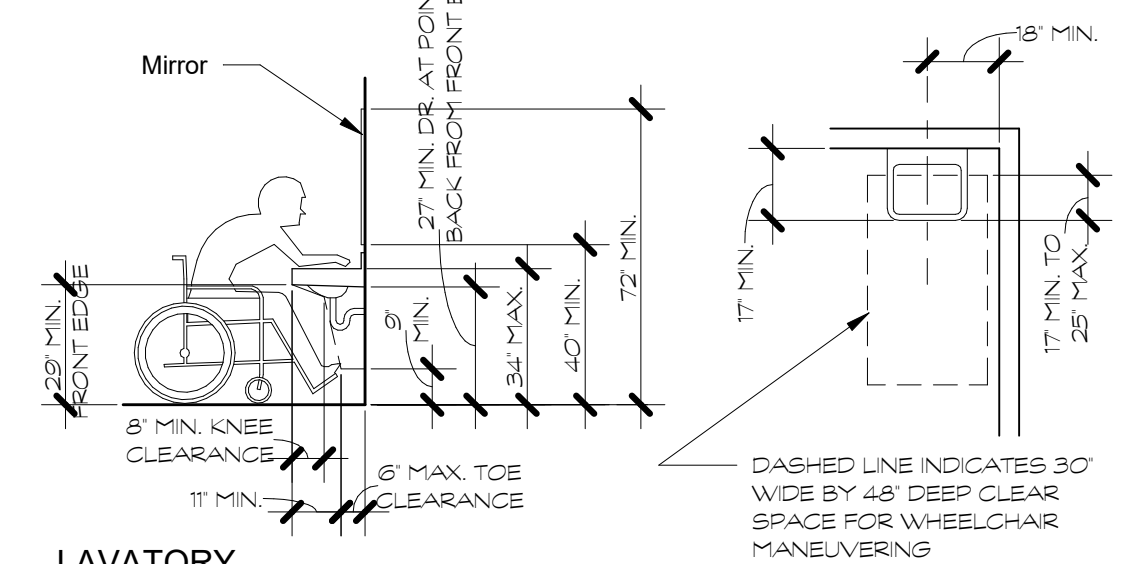


8 STAINLESS STEEL 2-COMPARTMENT SINK
3/4" = 1'-0"



TYP. ACCESSORY MOUNTING HEIGHTS

- NOTES:
1. NOT ALL ACCESSORIES LISTED MAY APPLY TO THIS SCOPE OF WORK.
2. PROVIDE BACKING AT ALL NEW ACCESSORIES.



LAVATORY

- NOTES:
1. HOT WATER PIPING & DRAIN SHALL BE INSULATED & THERE SHALL BE NO SHARP OR ABRASIVE ELEMENTS UNDER THE LAVATORY.
2. FAUCETS SHALL BE OPERABLE WITH ONE HAND & NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING; 5 LB. MAX. FORCE TO OPERATE CONTROLS.

4 LAVATORY AND ACCESSORIES
1/4" = 1'-0"



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

PROJECT:
CUSD CLOVIS WEST CERAMICS CLASSROOM
1070 E. TEAGUE, FRESNO CA 93720
SHEET: DETAILS

DRAWING SET INFORMATION:

5/5/2023	SUBMITTAL SET
REVISIONS:	

PROJECT NUMBER:
2306

SHEET NUMBER:
A901

PLUMBING FIXTURE AND EQUIPMENT SCHEDULE						
MARK	FIXTURE	CONNECTION SIZES				DESCRIPTION
		S or W	V	CW	HW	
S-1 	DOUBLE COMPARTMENT SINK (WITH EYEWASH)	2"	1-1/2"	1/2"	1/2"	JUST CUSTOM FABRICATED DOUBLE COMPARTMENT SINK, SEAMLESS WELDED CONSTRUCTION OF 14 GA., TYPE 304, 18-8 STAINLESS STEEL. INTERIOR SURFACE POLISHED WITH A NON-POROUS HAND BLENDED FINISH. EXPOSED EXTERIOR SURFACES TO HAVE A BRUSH FINISH. REFER TO DETAIL A/P901 FOR ADDITIONAL NOTES AND DIMENSIONS. REFER TO THE ARCHITECTURAL DRAWINGS FOR BULLET FEET ANCHORAGE. (2) JUST #J-35 CUP STRAINERS, (2) CHICAGO #523-317ABCP PRE RINSE FAUCET, 8" CENTERS, 4" WRIST BLADE HANDLES, 1.0 GPM PRE-RINSE SPRAY ASSEMBLY; (1) LEONARD #270-LF-BP-STSTL-REC THERMOSTATIC MIXING VALVES FOR BOTH SINK FAUCETS MOUNTED RECESSED IN WALL BELOW SINK; HAWS #7610 BACKSPASH MOUNTED ACCESSIBLE PULL DOWN EYEWASH; HAWS #9201EW THERMOSTATIC MIXING VALVE, RECESS IN WALL BEHIND WALL MOUNTED ACCESS PANEL WITH LOCK NOTE: SPECIAL SINK FAUCET PUNCHING REQUIRED. SUBMIT MANUFACTURER'S SHOP DRAWING OF SINK FOR REVIEW PRIOR TO ORDERING. WEIGHT: 250 LBS
S-2 	WALL MOUNTED WASH STATION	2"	1-1/2"	1/2"	1/2"	JUST CUSTOM FABRICATED #J-6020 (3) STATION WASH SINK, 60"L x 20"W x 6"D DEEP SEAMLESS WELDED CONSTRUCTION OF 14 GA. TYPE 304 STAINLESS STEEL. 1-1/2" ROLL RIM ON FRONT AND SIDES. SUPPORTED BY TWO TWO 14 GAUGE, TYPE 304 STAINLESS STEEL WALL BRACKETS AND 14 GAUGE STAINLESS STEEL WALL CLIPS. (3) CHICAGO 225 SERIES WALL MOUNTED MANUAL FAUCET WITH 3" VERTICAL CENTERS, 1.0 GPM PRESSURE COMPENSATING CARTRIDGE, GOOSENECK SPOUT. JUST J-35-CUP STRAINER, (1) LEONARD #270-LF-BP-STSTL-REC THERMOSTATIC MIXING VALVES FOR (3) SINK FAUCETS MOUNTED RECESSED IN WALL BELOW SINK; PROVIDE A STEEL SUPPORT PLATE FOR MOUNTING FIXTURE PER DETAIL B/P901. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT. NOTE: SPECIAL SINK FAUCET PUNCHING REQUIRED. SUBMIT MANUFACTURER'S SHOP DRAWING OF SINK FOR REVIEW PRIOR TO ORDERING. WEIGHT: 225 LBS
TP-1	TRAP PRIMER	-	-	1/2"	-	PPP "MINI-PRIME" #MP-500-DU ELECTRONIC TRAP PRIMER, RECESSED IN WALL BEHIND A STAINLESS STEEL ACCESS PANEL WITH DISTRIBUTION UNIT FOR ONE DRAIN CONNECTION. ELEC: 120V/12V, 1 PH
HB-1	HOSE BIBB	-	-	3/4"	-	WOODFORD MODEL 24CP-3/4" BENT NOSE HOSE BIBB WITH NON-REMOVABLE VACUUM BREAKER, LOOSE KEY REMOVABLE TEE HANDLE.
TD-1 	TRENCH DRAIN	3"	-	-	-	MIFAB #T1400-PB-13 4" GLASS REINFORCED PLASTIC (GRP) CLASS "C" CHANNEL WITH NO EDGE RAIL. PROVIDE WITH UPPER TRENCH DRAIN CAP AND LOWER 3" TRENCH DRAIN HORIZONTAL OUTLET, PROVIDE END OUTLET STRAINER. EACH SECTION 39.40" LONG. PROVIDE EACH SECTION OF TRENCH DRAIN WITH REMOVABLE COMPOSITE PLASTIC HORIZONTAL TRENCH DRAIN (WITH 5/16" HEEL-PROOF OPENINGS) CLASS "C" GRATE. GRATES TO BE REMOVED DAILY. OVERALL TRENCH DRAIN LENGTH CONSISTING OF (12) CHANNELS: (3) THREE 1400N-PB-13, T1401-PB-13, T1402-PB-13, T1403-PB-13, T1404-PB-13, T1405-PB-13, T1406-PB-13, T1407-PB-13, T1408-PB-13, T1409-PB-13.

GENERAL PLUMBING NOTES:

- THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE BUILDING IN ACCORDANCE WITH THE 2022 EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WOULD NOT COMPLY WITH SAID TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUESTED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.
- THE APPLICABLE CODES AND REGULATIONS FOR THIS PROJECT INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

CALIFORNIA CODE OF REGULATIONS
TITLE 8, INDUSTRIAL RELATIONS
TITLE 19, PUBLIC SAFETY - STATE FIRE MARSHAL REGULATIONS
TITLE 24, PART 1, ADMINISTRATIVE REGULATIONS
2022 CALIFORNIA BUILDING CODE, PART 2, TITLE 24 CCR
2022 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 CCR
2022 CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 CCR
2022 CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 CCR
2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 CCR

NFPA 101 2021 EDITION
OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT
- LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS IS GENERALLY DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY. THE PLUMBING BUILDING PLANS HAVE BEEN PREPARED TO MATCH THE ARCHITECTURAL PLANS. IF DIFFERENCES OCCUR, THE ARCHITECTURAL PLANS ARE TO TAKE PRECEDENCE. THE ACTUAL LOCATIONS OF ALL MATERIALS, PIPING, DUCTWORK, FIXTURES, EQUIPMENT, SUPPORTS, ETC. SHALL BE CAREFULLY PLANNED, PRIOR TO INSTALLATION OF ANY WORK, TO AVOID ALL INTERFERENCE WITH EACH OTHER, OR WITH STRUCTURAL, ELECTRICAL, ARCHITECTURAL, OR OTHER ELEMENTS. ALL PIPE OFFSET ELBOWS FOR COORDINATION BETWEEN TRADES ARE NOT SHOWN. CONTRACTOR SHALL INCLUDE SUFFICIENT FUNDS FOR THE COORDINATION OFFSETS IN THE BID. VERIFY THE PROPER VOLTAGE AND PHASE OF ALL EQUIPMENT WITH THE ELECTRICAL PLANS. ALL CONFLICTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER PRIOR TO INSTALLATION OF ANY WORK OR THE ORDERING OF ANY EQUIPMENT.

- WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER-DRIVEN PINS IN EXISTING NON-PRESTRESSED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRE-STRESSED CONCRETE (PRE- OR POST-TENSIONED), LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.
- MEP COMPONENT ANCHORAGE NOTE:**

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- TEMPORARY, MOVABLE, OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

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

- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

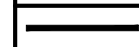
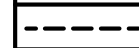






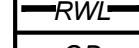
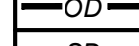
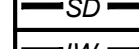
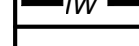
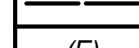
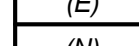
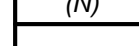

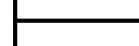
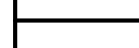


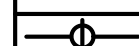


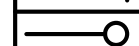
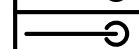
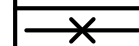


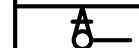
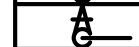





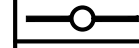

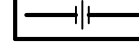
PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25, 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G. HCAI OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

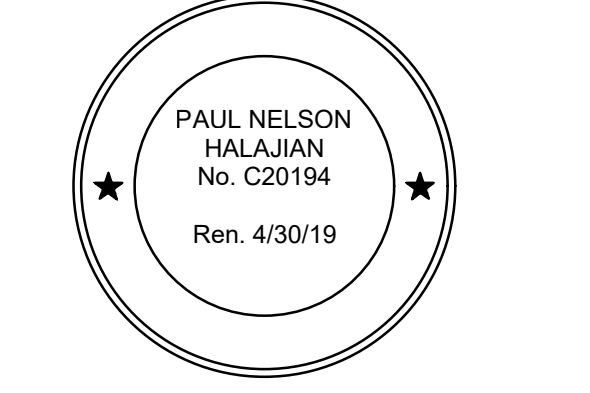
- MP MD PP A. OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
- MP MD PP B. OPTION 2: PLUMBING PIPING (PP) - SHALL COMPLY WITH OPM-0043-13 HCAI PRE-APPROVAL (MASON WEST, SEISMIC RESTRAINT GUIDELINES FOR SUSPENDED DISTRIBUTION SYSTEMS).

- BRACE ALL PIPING 3" DIAMETER AND GREATER. USE $I_p=1.0$ FOR SEISMIC DESIGN CALCULATIONS. EXCEPTION: NATURAL GAS PIPING 1" DIAMETER AND GREATER, USE $I_p=1.5$ FOR SEISMIC DESIGN CALCULATIONS.
- PENETRATIONS THROUGH FIRE RATED WALLS, FLOOR/CEILING, AND ROOF/CEILING ASSEMBLIES SHALL BE SEALED USING AN APPROVED SYSTEM CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC TO FIRE STOPS PER 2022 CBC SECTION 714. THIS INCLUDES EXISTING PIPE AND CONDUIT THROUGH NEW ASSEMBLIES. CUSTOM DESIGNED SYSTEMS WHICH COMBINE COMPONENTS FROM DIFFERENT APPROVED SYSTEMS BUT HAVE NOT BEEN TESTED AS A COMPLETE ASSEMBLY WILL NOT BE ACCEPTABLE. FOR FIRE STOPS FOR PIPE PENETRATIONS SEE SPECIFICATIONS.
- FIELD VERIFY THE EXACT LOCATION, DEPTH AND SIZE OF ALL NEW POINTS OF CONNECTION TO EXISTING UTILITIES PRIOR TO COMMENCING NEW UTILITY WORK.
- ALL DOMESTIC WATER PIPING SHALL BE A MINIMUM OF 1/2" SIZE UNLESS NOTED OTHERWISE. USE A REDUCING DROP ELL AT FIXTURE CONNECTION WHEN APPLICABLE.

PLUMBING LEGEND		
SYMBOL	ITEM	ABBR
	SOIL or WASTE	S or W
	VENT	V
	VENT RISER	VR
	VENT THRU ROOF	VTR
	DOMESTIC COLD WATER	CW
	DOMESTIC HOT WATER	HW
	DOMESTIC HOT WATER RETURN	HWR
	RAIN WATER LEADER	RWL
	OVERFLOW DRAIN	OD
	STORM DRAIN	SD
	INDIRECT WASTE	IW
	EXISTING PIPING	(E)
	EXISTING	
	NEW	
	ABOVE CEILING	ABV CLR
	BELOW FLOOR	BEL FLR
	BELOW GRADE	BEL GR
	TYPICAL	TYP
	CONTINUATION	CONT
	DOWN	DN
	FLOOR CLEANOUT	FCO
	CLEANOUT TO GRADE	COTG
	WALL CLEANOUT	WCO
	PIPING TURN UP	
	PIPING TURN DOWN	
	POINT OF CONNECTION	POC
	SHUT-OFF VALVE IN BOX	SOV
	SHUT-OFF VALVE	SOV
	SHUT-OFF VALVE IN RISER	-
	SHUT-OFF VALVE IN DROP	-
	GATE VALVE	-
	CHECK VALVE	-
	BALL VALVE	-
	BALANCE COCK	-
	REDUCER	-
	MANHOLE	MH
	FLOW LINE	FL
	UNION	-

PH

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PROJECT:
CUSD CLOVIS WEST CERAMICS CLASSROOM
1070 E. TEAGUE, FRESNO CA 93720
SHEET: SCHEDULES, LEGENDS, & NOTES

DRAWING SET INFORMATION:

5/5/2023	Submittal Set
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REVISIONS:



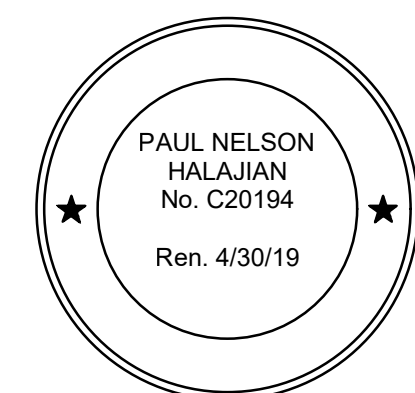
LAWRENCE ENGINEERING GROUP
4910 E. Clinton Way, Suite 101
Fresno, CA 93727
(559) 431-0101 23067 FAX (559) 431-1342

PROJECT NUMBER:
2306
SHEET NUMBER:
P001

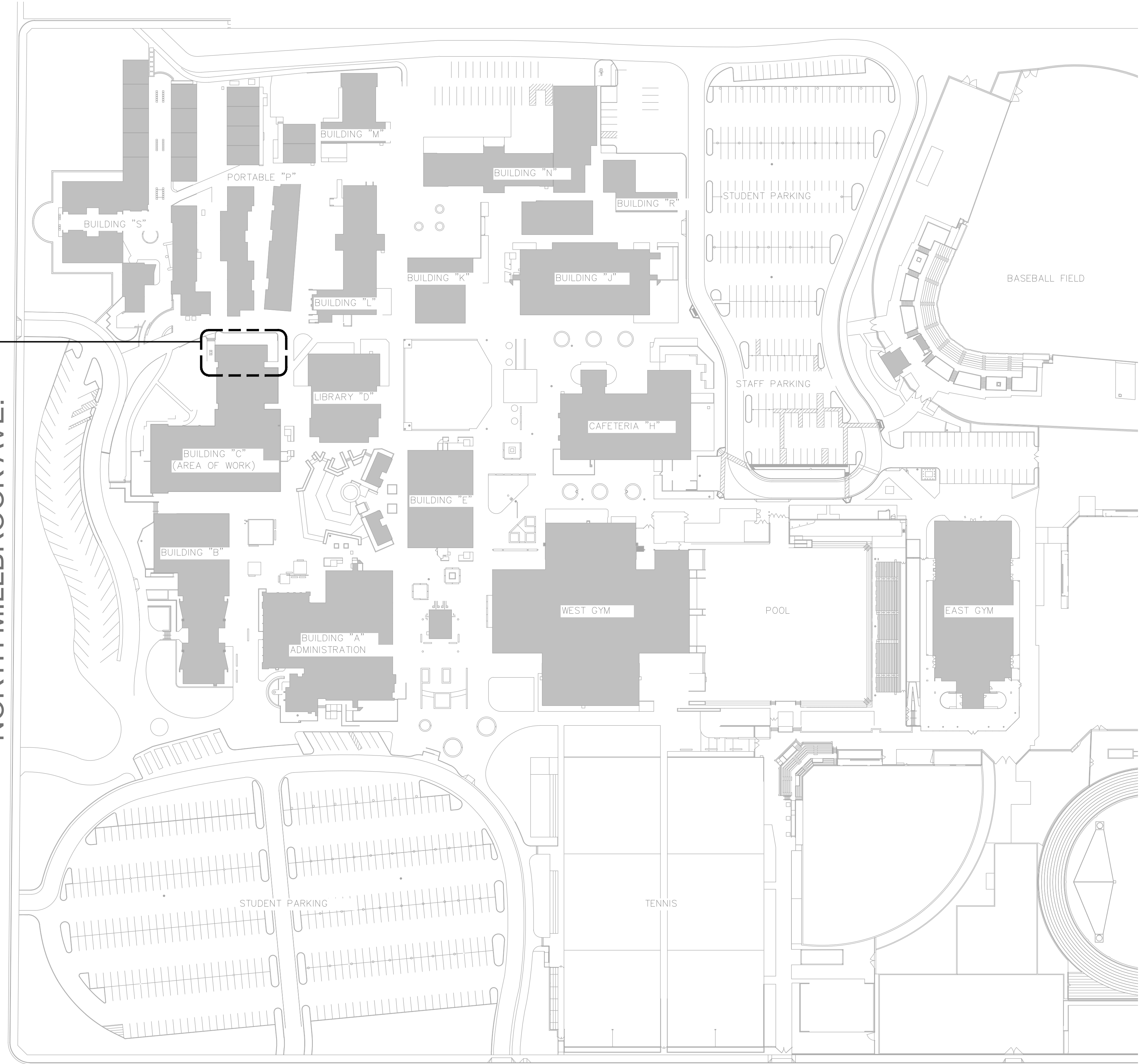


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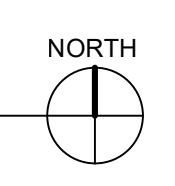
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FOR PLUMBING WORK IN THIS AREA, REFER TO SHEET P201.

NORTH MILLBROOK AVE.

EAST TEAGUE AVE.



1 PLUMBING SITE PLAN
1/4" = 1'-0"

PROJECT:
CUSD CLOVIS WEST CERAMICS CLASSROOM
1070 E. TEAGUE, FRESNO CA 93720
SHEET: PLUMBING SITE PLAN

DRAWING SET INFORMATION:

5/5/2023 Submittal Set

REVISIONS:

PROJECT NUMBER:

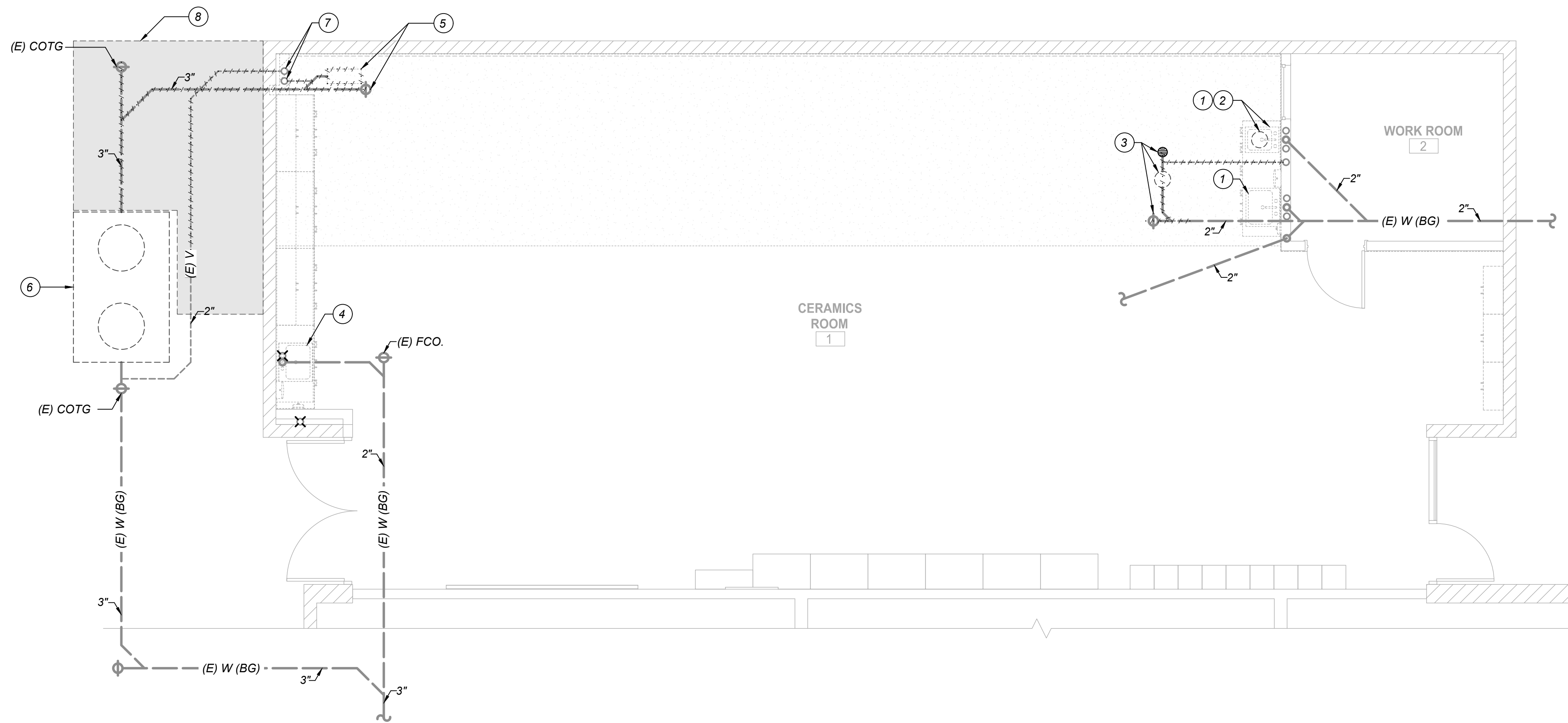
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SHEET NUMBER:

P101



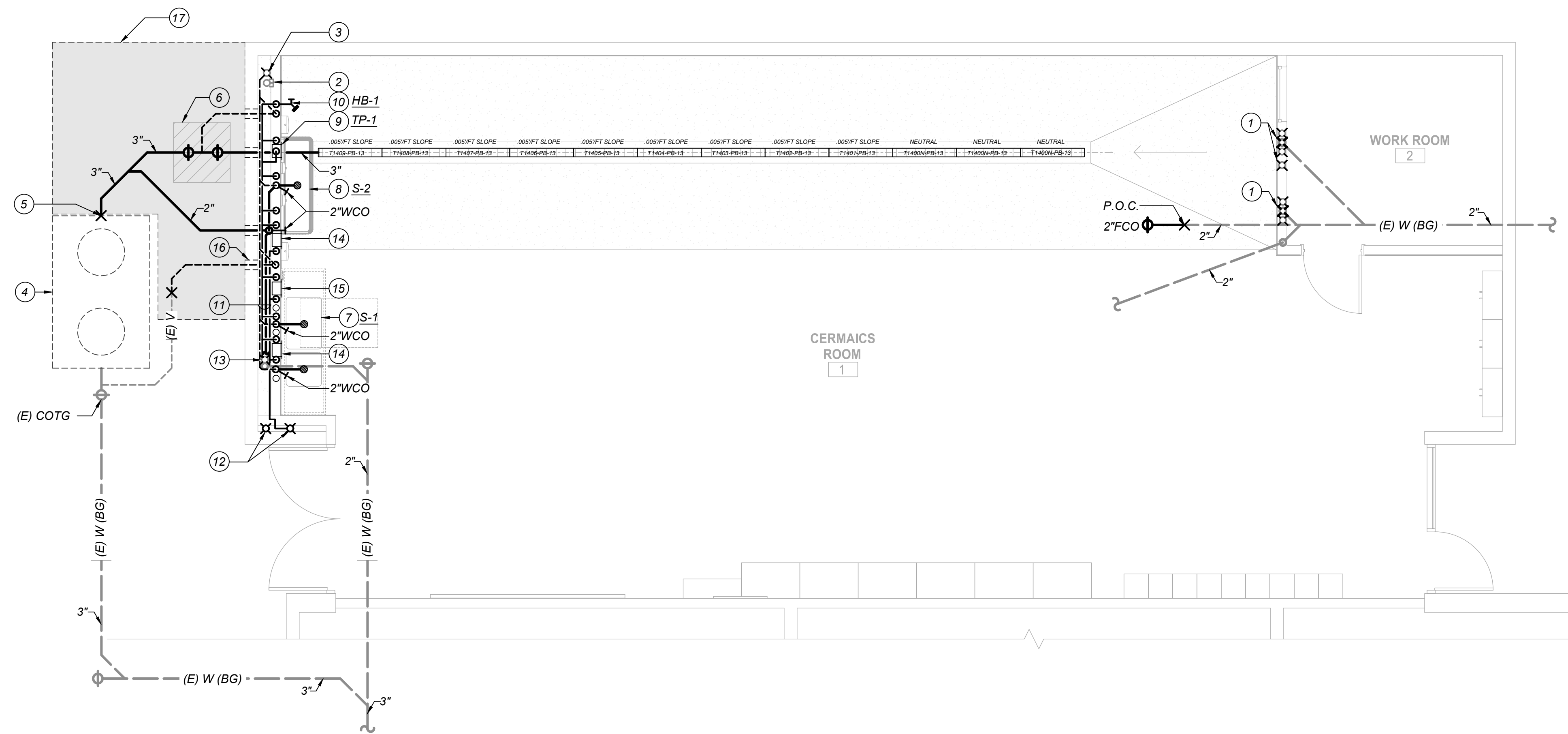
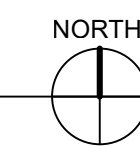
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1 PLUMBING DEMOLITION PLAN
1/4" = 1'-0"

PLUMBING DEMOLITION KEYNOTES:

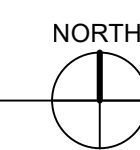
- 1 DISCONNECT AND REMOVE PLUMBING FIXTURE, ALL SINK TRIM, EXPOSED PIPING AND CAP PIPING IN WALL BEHIND FINISHED SURFACES.
- 2 DISCONNECT AND REMOVE EXISTING ON-FLOOR SOLIDS INTERCEPTOR BELOW SINK.
- 3 DISCONNECT AND REMOVE EXISTING FLOOR DRAIN, CAST IN PLACE SOLIDS INTERCEPTOR AND FLOOR CLEANOUT. REMOVE PIPING SHOWN CROSSHATCHED. CAP VENT PIPING FROM FLOOR DRAIN IN WALL ABOVE FINISHED FLOOR.
- 4 DISCONNECT AND REMOVE PLUMBING FIXTURE, ALL SINK TRIM. CAP WASTE PIPING ABOVE FLOOR. CAP VENT PIPING BEHIND FINISHED SURFACES.
- 5 DISCONNECT AND REMOVE EXISTING SMALL CAST IN PLACE TRENCH WITH DRAIN AND FLOOR CLEANOUT. REMOVE PIPING SHOWN CROSSHATCHED.
- 6 EXISTING 750 GALLON SOLIDS INTERCEPTOR TO REMAIN. REMOVE WASTE PIPING UPSTREAM OF INTERCEPTOR.
- 7 DISCONNECT AND REMOVE EXISTING VENT PIPING IN WALL. EXISTING 2" VENT THRU ROOF TO REMAIN.
- 8 REFER TO THE ARCHITECTURAL DRAWINGS FOR EXTENTS OF SAWCUT, REMOVE AND PATCH BACK OF CONCRETE SURFACE.



2 PLUMBING PLAN
1/4" = 1'-0"

PLUMBING KEYNOTES:

- 1 CAP CW, HW, WASTE AND VENT PIPING IN WALL BEHIND FINISHED SURFACES.
- 2 CAP VENT PIPING IN WALL.
- 3 P.O.C. 2" VENT TO EXISTING 2" VTR ABOVE CEILING.
- 4 EXISTING 750 GALLON SOLIDS INTERCEPTOR TO REMAIN.
- 5 P.O.C. 3" WASTE TO EXISTING SOLIDS INTERCEPTOR WASTE INLET. AT START OF CONSTRUCTION, VERIFY INVERT ELEVATION AT THE INLET OF THE SOLIDS INTERCEPTOR. NOTIFY DESIGN TEAM IF INVERT ELEVATION FOR NEW PLUMBING ROUGH IS NOT SUFFICIENT.
- 6 TRENCH DRAIN TRAP WITH CLEANOUTS ON EITHER SIDE OF TRAP. LOCATE TRAP AND CLEANOUTS IN CONCRETE VAULT BELOW FINISHED SURFACE. REFER TO THE ARCH. DRAWINGS FOR CONCRETE BOX AND COVER. REFER TO DETAIL C/P901.
- 7 DOUBLE COMPARTMENT SINK WITH PRE-RINSE FAUCETS AND EMERGENCY EYEWASH. REFER TO DETAIL A/P901.
- 8 THREE STATION HANDWASH SINK. REFER TO DETAIL B/P901 FOR WALL HANGER ATTACHMENT.
- 9 ELECTRONIC TRAP PRIMER. PROVIDE TAPPED WASTE TEE ON TRENCH DRAIN TRAP ARM AND CONNECT 1/2" CW FROM TRAP PRIMER TO 3" WASTE TRAP ARM.
- 10 HOSE BIBB, MOUNT AT FIN. FLR. +24".
- 11 ALL PIPING IN FURRED WALL ABOVE FIN. FLR. SHALL BE SIZED AS FOLLOWS: 3/4" CW, 3/4" HW, 2" WASTE, 2" VENT.
- 12 CAP EXISTING 2" VENT RISER IN WALL. P.O.C. 3/4" HW TO EXISTING 3/4" HW PIPING IN WALL. EXTEND 3/4" HW PIPING TO ALL PLUMBING FIXTURES.
- 13 P.O.C. 3/4" CW TO EXISTING 3/4" CW PIPING. EXTEND 3/4" CW PIPING TO ALL PLUMBING FIXTURES.
- 14 RECESSED THERMOSTATIC MIXING VALVE FOR FIXTURE, EXTEND 3/4" TEMPERED WATER PIPING TO EACH FAUCET.
- 15 RECESSED THERMOSTATIC MIXING VALVE FOR EMERGENCY EYEWASH, EXTEND 3/4" TEMPERED WATER PIPING TO SINK BACKSPLASH MOUNTED EMERGENCY EYEWASH.
- 16 CORE DRILL WALL. NO CUTTING OF REBAR ALLOWED. X-RAY WALL TO DETERMINE LOCATION OF REBAR. PRIOR OF CORING, SUBMIT SHOP DRAWING OF THE PROPOSED CORE TO THE ARCHITECT FOR REVIEW.
- 17 REFER TO THE ARCHITECTURAL DRAWINGS FOR EXTENTS OF SAWCUT, REMOVE AND PATCH BACK OF CONCRETE SURFACE.



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PROJECT:
CUSD CLOVIS WEST CERAMICS CLASSROOM
1070 E. TEAGUE, FRESNO CA 93720
SHEET: DEMOLITION & NEW PLUMBING PLAN

DRAWING SET INFORMATION:

5/5/2023 Submittal Set

REVISIONS:

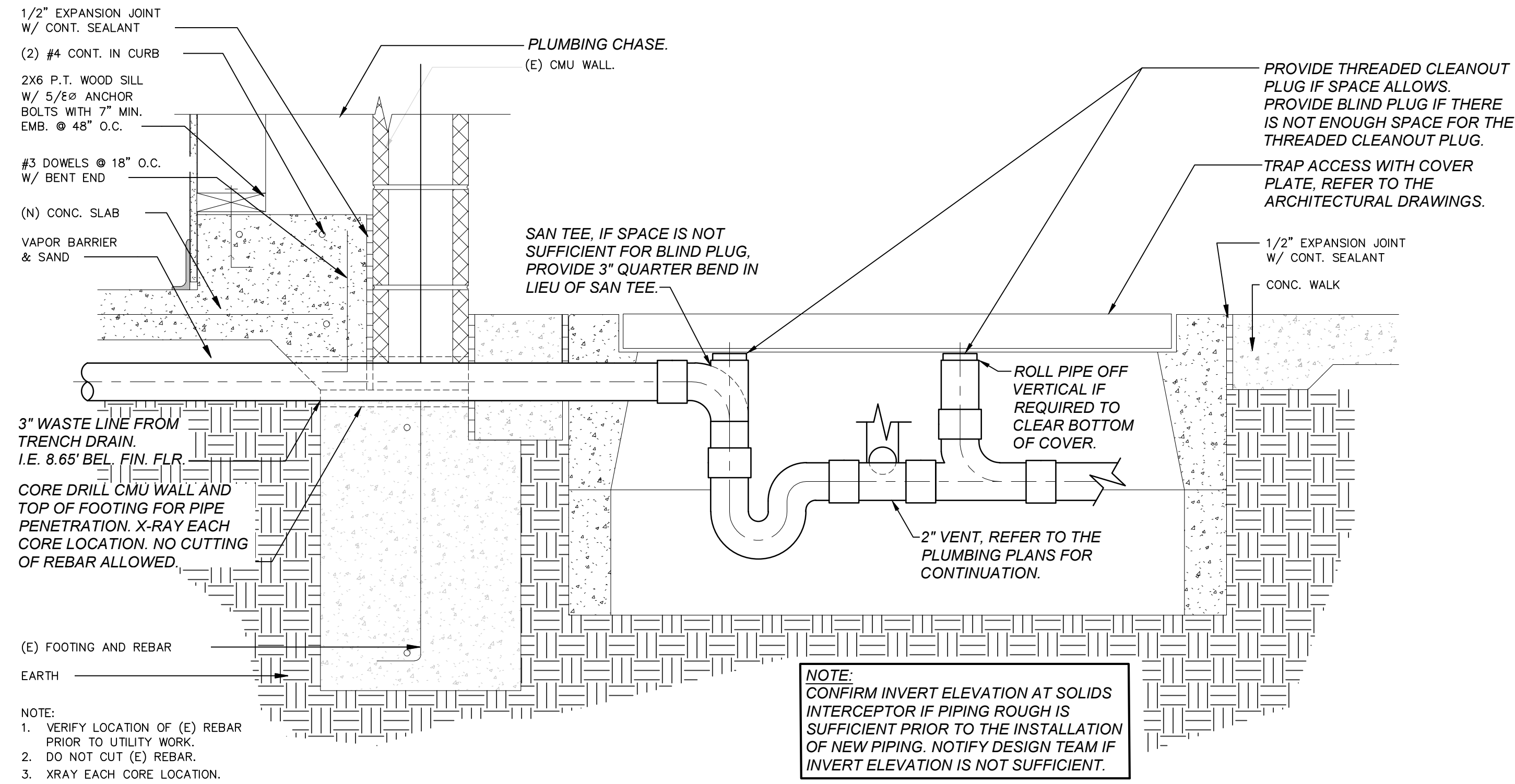
NO.	DESCRIPTION

PROJECT NUMBER:

2306

SHEET NUMBER:

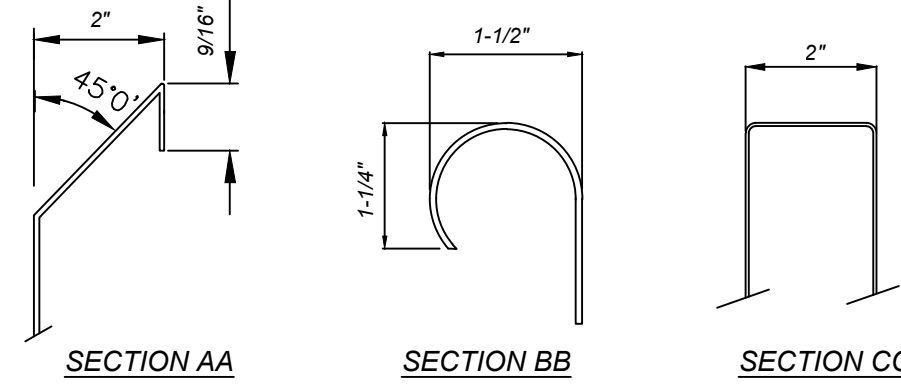
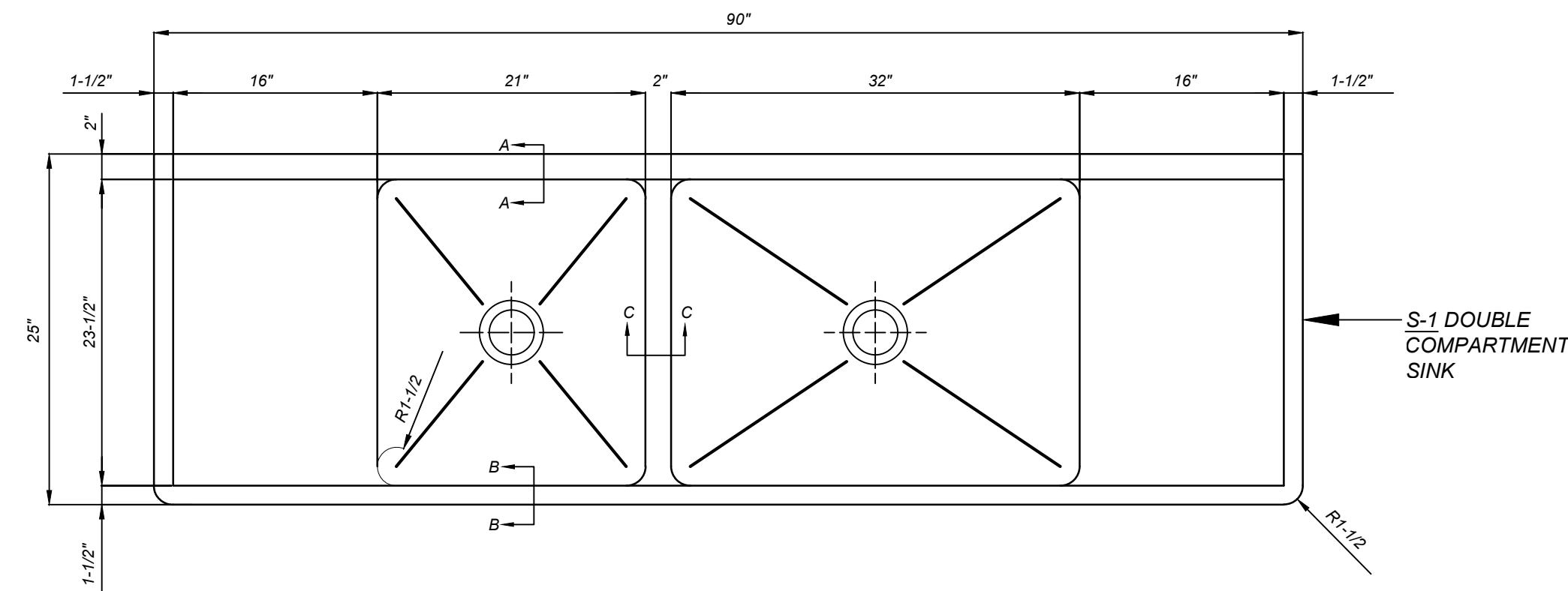
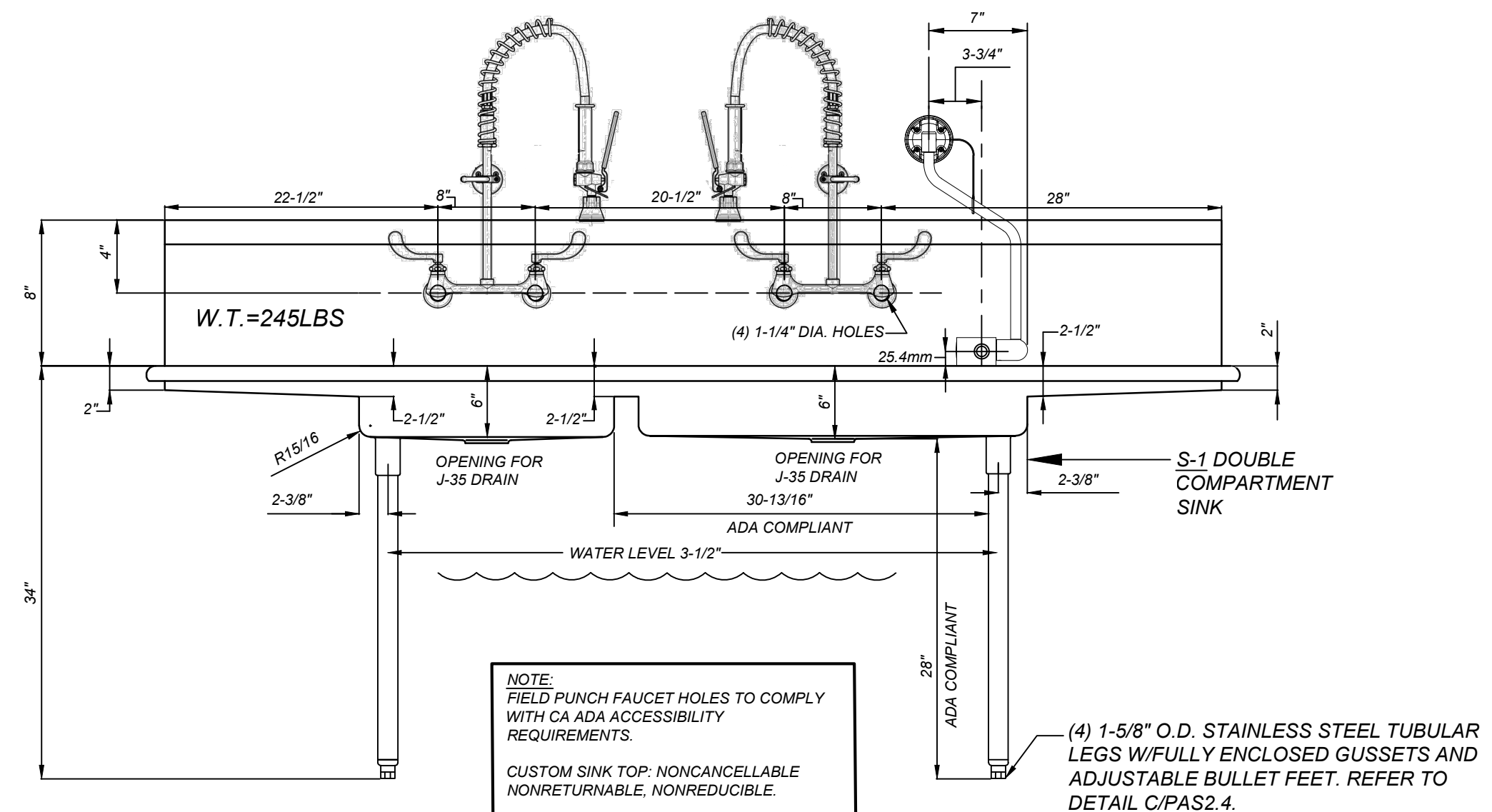
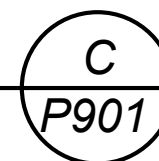
P201



PIPE PENETRATION THRU WALL

SCALE: NONE

WOOD STUD WALL

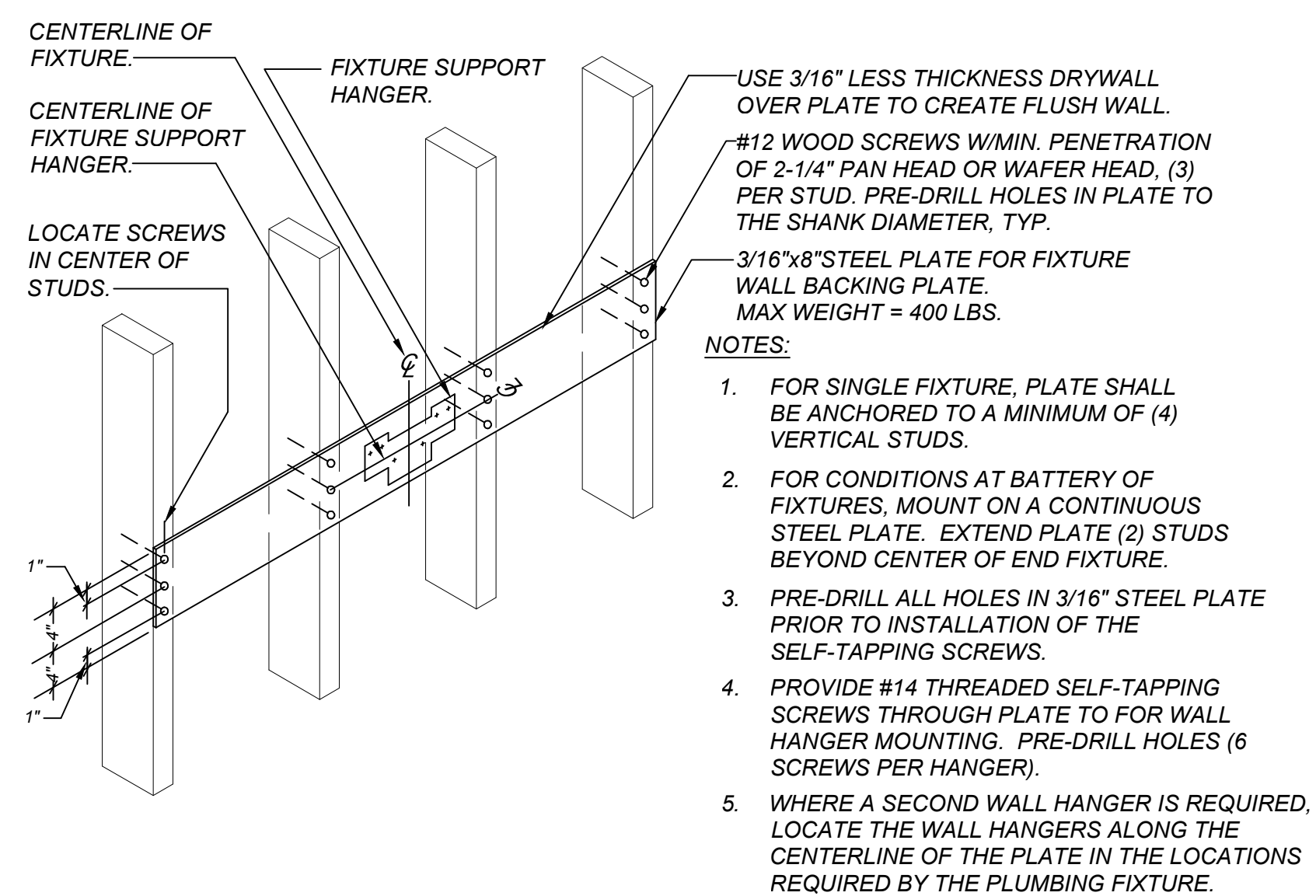
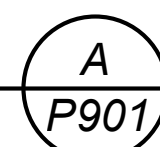


SEAMLESS WELDED CONSTRUCTION OF 14 GAUGE TYPE 304 STAINLESS STEEL. INTERIOR SURFACES TO HAVE A NO. 4 FINISH. EXPOSED EXTERIOR SURFACES TO HAVE A BRUSH FINISH. CERTIFIED TO A NATION SANITATION FOUNDATION STANDARD TO NO. 2.



DOUBLE COMPARTMENT SINK DETAIL

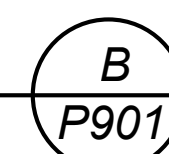
SCALE: NONE



FIXTURE SUPPORT BACKING PLATE DETAIL

SCALE: NONE

WOOD STUD WALL



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PROJECT: CUSD CLOVIS WEST CERAMICS CLASSROOM

1070 E. TEAGUE, FRESNO CA 93720

SHEET: PLUMBING DETAILS

DRAWING SET INFORMATION:

5/5/2023 Submittal Set

REVISIONS:

NO.	DESCRIPTION

PROJECT NUMBER:

2306

SHEET NUMBER:

P901



4910 E. Clinton Way, Suite 101
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ELECTRICAL GENERAL NOTES

- ALL WORK SHALL MEET THE LATEST ADOPTED ADDITIONS OF THE CALIFORNIA CODE OF REGULATIONS, TITLE 24 AND ALL OTHER APPLICABLE REGULATIONS, WHICH INCLUDE:

CALIFORNIA BUILDING CODE	2022
CALIFORNIA ELECTRICAL CODE	2022
NON RESIDENTIAL CEC ENERGY STANDARDS	2022
- NOTHING IN THE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.
- IT IS THE INTENTION OF THESE PLANS AND SPECIFICATIONS TO COVER EVERYTHING REQUIRED TO PROVIDE FOR COMPLETE AND OPERATIVE SYSTEMS. THE CONTRACTOR IS TO FURNISH LABOR, MATERIAL, TRANSPORTATION, EQUIPMENT, MISCELLANEOUS SERVICES, ETC. REQUIRED TO ACCOMPLISH THIS RESULT. ANYTHING WHICH MAY BE REASONABLY CONSTRUED AS A NECESSARY PART OF THE INSTALLATION IS TO BE INCLUDED, WHETHER OR NOT SPECIFICALLY SHOWN OR MENTIONED.
- THE CONTRACTOR SHALL EXAMINE THE SITE AND EXISTING CONDITIONS AND MAKE ALLOWANCES IN THE BID FOR ANY CONDITIONS NOT SHOWN ON THE ELECTRICAL DOCUMENTS.
- THE PLANS AND SPECIFICATIONS ARE INTENDED TO BE USED AS CONSTRUCTION GUIDELINES AND ARE NOT THE TOTAL INSTRUMENT OF CONTRACT DOCUMENTS. IT IS NOT THE INTENTION OF ANY CONSTRUCTION PLANS TO DIVIDE WORK AMONG DIFFERENT TRADES. VERIFY THE SCOPE OF WORK WITH THE ARCHITECT AND THE GENERAL CONTRACTOR.
- ELECTRICAL ROUTING IS DIAGRAMMATIC ONLY. ACTUAL ROUTING & PHYSICAL CONDITIONS MAY VARY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL ROUTING, CONNECTIONS, & PROVISION OF ALL APPURTENANCES NECESSARY FOR A COMPLETE & OPERATING SYSTEM.
- ELECTRICAL EQUIPMENT SHALL HAVE AN APPROVED TESTING LABORATORY LABEL ATTACHED (UL, CSA ETC.) PER CEC 110.2.
- PROVIDE LABELING AND DIRECTORIES FOR ALL SWITCHBOARDS AND PANELBOARDS PER CEC 408.4.
- ELECTRICAL EQUIPMENT SHALL HAVE A SHORT CIRCUIT CURRENT RATING CAPABLE OF WITHSTANDING THE AVAILABLE SHORT CIRCUIT CURRENT PER CEC 110.9.
- PROVIDE MINIMUM 30" WIDE x 78" HIGH x 36" DEEP [42" DEEP] WORK CLEARANCES IN FRONT OF PANELS. SERVICE OR EQUIPMENT RATED AT 120/208V 3Ø 4W [277/480V 3Ø 4W] PER CEC 110.26.
- ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUIT OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES SHALL BE MOUNTED BETWEEN 15" AFF AND 48" AFF AND SHALL COMPLY WITH CBC SECTION 11B-308. THE LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND THE HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX. IF THE REACH IS OBSTRUCTED (E.G. BY CASEWORK, COUNTERS, ETC.), RECEPTACLES SHALL BE LOCATED WITHIN THE REACH RANGES SPECIFIED IN CBC 11B-308.2.2 AND 11B-308.3.2.
- CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF A ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES, OR COOLING, HEATING AND VENTILATING EQUIPMENT SHALL BE MOUNTED BETWEEN 15" AFF AND 48" AFF AND SHALL COMPLY WITH CBC SECTION 11B-308. THE LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND THE HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX. IF THE REACH IS OBSTRUCTED (E.G. BY CASEWORK, COUNTERS, ETC.), SWITCHES AND CONTROLS SHALL BE LOCATED WITHIN THE REACH RANGES SPECIFIED IN CBC 11B-308.2.2 AND 11B-308.3.2.
- ALL WALL AND SURFACE MOUNTED FIXTURES PROTRUDING IN THE PATH OF TRAVEL (POT) OR COMMON PEDESTRIAN WAYS SHALL COMPLY WITH CBC 11B-307.2. OR SHALL BE MOUNTED LESS THAN 27" AFF OR GREATER THAN 80" AFF, OR SHALL BE PROVIDED WITH A BARRIER CONFORMING TO CBC 11B-307.4.
- EMERGENCY EGRESS LIGHTING SHALL PROVIDE A MINIMUM LUMINANCE OF 1 FOOTCANDLE AT THE WALKING SURFACE FOR A MINIMUM OF 90 MINUTES.
- FIRE ALARM EQUIPMENT SHALL BE SERVED BY DEDICATED FIRE ALARM BRANCH CIRCUITS PER NFPA 72 10.6.5.1.2. THE CIRCUIT NUMBER SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM EQUIPMENT PER NFPA 10.6.5.2.1. THE CIRCUIT BREAKER SHALL BE EQUIPPED WITH RED HANDLE AND LOCK-ON DEVICE, AND PERMANENTLY IDENTIFIED AS "FIRE ALARM CIRCUIT" PER NFPA 72 10.6.5.2.2, 10.6.5.2.3, 10.6.5.2.4, AND 10.6.5.4.
- WIRING FOR 120/208V AND 277/480V SYSTEMS SHALL BE MIN. #12 AWG THHN/THWN COPPER.
- FEEDERS SIZE #4 AND LARGER SHALL BE MEGGER TESTED. TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER.
- COLORS/FINISHES/MATERIALS FOR ALL ELECTRICAL DEVICES, PLATES, LIGHT FIXTURES, ETC. SHALL BE CHOSEN BY THE ARCHITECT.
- PROVIDE PERMANENT LOCK-OPEN DEVICES ON CIRCUIT BREAKERS SERVING ELECTRIC WATER HEATERS TO MEET THE REQUIREMENTS OF CEC 422.31.
- CONTRACTOR SHALL EXTEND ALL SIGNAL AND FIRE ALARM SYSTEMS AS REQUIRED. MODIFY HEAD-IN EQUIPMENT TO ACCOMMODATE NEW DEVICES AS REQUIRED. VERIFY THE CONDITION AND EXPANDABILITY OF ALL HEAD-IN EQUIPMENT PRIOR TO BID AND MODIFY ACCORDINGLY.
- CALL USA UNDERGROUND ALERT AND VERIFY WITH DISTRICT THE DESIRED ROUTING AND LOCATIONS OF UNDERGROUND CONDUITS AND STRUCTURES PRIOR TO TRENCHING.
- EXISTING EQUIPMENT TO BE REMOVED AND/OR REPLACED SHALL BE DELIVERED TO THE DISTRICT MAINTENANCE DEPARTMENT OR DISPOSED OF, AT THE DISCRETION OF THE DISTRICT.
- ALL CONDUITS UNDER CONCRETE OR ASPHALT WILL HAVE 24" MINIMUM COVER OF ROCK FREE NATIVE SOIL. METALLIC WARNING TAPE AT 12", AND NO ENCASEMENT REQUIRED. ALL CONDUITS THAT HAVE CONDUCTORS WITH A POTENTIAL OF 250 VOLT TO GROUND OR GREATER, THAT ARE NOT UNDER ASPHALT AND/OR CONCRETE SHALL REQUIRE 1,500 PSI CONCRETE ENCASEMENT. METALLIC WARNING TAPE AT 12", AND A MINIMUM COVER FROM TOP OF ENCASEMENT OF 24". ALL CONDUITS THAT HAVE CONDUCTORS WITH A POTENTIAL OF LESS THAN 250 VOLTS TO GROUND, THAT ARE NOT UNDER ASPHALT AND/OR CONCRETE WILL HAVE 30" MINIMUM COVER OF NATIVE SOIL, METALLIC WARNING TAPE AT 12" AND NO ENCASEMENT REQUIRED.
- INSTALL GALVANIZED RIGID STEEL RISERS & ELBOWS WHERE THEY OCCUR. WRAP GALVANIZED RIGID STEEL BELOW GRADE. PVC SHALL NOT BE INSTALLED ABOVE GRADE.
- CONDUIT INSTALLED ABOVE GRADE SHALL BE MIN. 3/4" TRADE SIZE. CONDUIT BELOW GRADE SHALL BE MIN. 1" TRADE SIZE.
- PROVIDE (4) 1" CONDUIT STUBS FROM NEW ELECTRICAL PANEL TO ACCESSIBLE ATTIC SPACE FOR FUTURE USE.
- CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT SHALL HAVE A RED HANDLE AND LOCK-ON DEVICE.
- HOLES ARE NOT ALLOWED THROUGH TOP PLATES OF BEARING WALLS AND SHEAR WALLS.
- INCLUDE FIRE STOP SYSTEMS REQUIRED FOR ALL WORK AFFECTED BY FIRE RATED ASSEMBLIES.
- INCLUDE ALL WORK REQUIRED TO INVESTIGATE, DEMOLISH, & RECONNECT EXISTING ITEMS.

LOW VOLTAGE GENERAL NOTES

- THE ELECTRICAL CONTRACTOR SHALL CONTACT EACH SIGNAL SYSTEM VENDOR AND THOROUGHLY INVESTIGATE THE EXPANDABILITY OF ALL EXISTING SYSTEMS. THE CONTRACTOR'S BID SHALL INCLUDE ALL REQUIRED COMPONENTS, PROGRAMMING, ETC. TO INTEGRATE THE WORK SHOWN IN DIV. 28 DRAWINGS AND PROVIDE FOR FULLY FUNCTIONAL LOW VOLTAGE SYSTEMS.
- EXISTING PULL BOX LOCATIONS ARE DIAGRAMMATIC. FIELD VERIFY EXACT LOCATIONS. ADD CONDUITS TO EXISTING PULL BOXES WHERE INDICATED. REPAIR ANY DAMAGE INCURRED.
- DISCONNECT, REMOVE, REPULL, AND REITERMINATE EXISTING CABLING AS REQUIRED TO INSTALL NEW CABLING IN EXISTING CONDUITS.
- TERMINAL CABINETS TO BE WIEGMANN RHC SERIES, OR EQUAL, W/ MOUNTING PANELS / PLYWOOD BACK BOARD. INSTALL ALL REQUIRED TERMINAL STRIPS, PUNCH DOWN BLOCKS, ETC.
- INSTALL NYLON PULL LINE WITH ALL CABLE RUNS IN UNDERGROUND CONDUITS.
- CABLING AND DEVICES ADDED AS SURFACE MOUNTED IN RELOCATABLE BUILDINGS SHALL BE INSTALLED IN WIREMOLD 800 (OR 2300 AS NEEDED), COLOR TO BE SELECTED BY ARCHITECT. INSTALLATION SHALL HAVE ONLY FACTORY COMPONENTS DESIGNED FOR THE SYSTEM UTILIZED.
- PROVIDE GREEN #6 AWG GROUND CABLE FROM BUILDING PANEL GEC TO EACH IDF AND AN INSULATED COPPER GROUND BUS AT EACH IDF.

ELECTRICAL SYMBOL SCHEDULE

	POLE WITH POST TOP AREA LUMINAIRE	
	2X4 LIGHT FIXTURE	
	WALL LIGHT	
	SWITCH AT +48" AFF TO TOP OF BOX	20A 277V QUIET TOGGLE
	POWER PANEL	REFER TO POWER SINGLE LINE DIAGRAM
	TERMINAL CABINET	REFER TO DETAIL N5/X/E101
	JUNCTION BOX	4-11/16" SQUARE BOX & COVER PLATE MIN.
	DISCONNECT SWITCH, FUSIBLE, WP	REFER TO MECH. PLANS & SPECS.
	MOTOR	REFER TO MECH. PLANS & SPECS.
	DUPLX CONVENIENCE OUTLET AT +18" AFF TO CENTER OF BOX, U.O.N.	20A SPEC. GRADE, NEMA GROUNDED, TAMPER RESISTANT
	QUADPLEX CONVENIENCE OUTLET AT +18" AFF TO CENTER OF BOX, U.O.N.	20A SPEC. GRADE, NEMA GROUNDED, TAMPER RESISTANT
	GFI DUPLX OUTLET AT +18" AFF TO CENTER OF BOX, U.O.N.	20A SPEC. GRADE, NEMA GROUNDED, TAMPER RESISTANT
	WP, GFI DUPLX OUTLET AT +18" AFF TO CENTER OF BOX, U.O.N.	20A SPEC. GRADE, NEMA GROUNDED, TAMPER RESISTANT
	VOIP TELEPHONE OUTLET (RJ-45 CAT6) AT +45" AFF TO CENTER OF BOX, U.O.N.	4-11/16" SQ. BOX W/ SINGLE GANG RING. INCLUDE (2) 1" C. TO ACCESSIBLE ATTIC SPACE W/ JACK(S).
	DATA OUTLETS (RJ-45 CAT6) AT +18" AFF TO CENTER OF BOX, U.O.N. PROVIDE (2) DATA JACKS U.O.N.	4-11/16" SQ. BOX W/ SINGLE GANG RING. INCLUDE (2) 1" C. TO ACCESSIBLE ATTIC SPACE. HOMERUN CABLES TO IDF.
	DATA/TELEPHONE OUTLET (RJ-45 CAT6) AT +18" AFF TO CENTER OF BOX, U.O.N. (2) DATA JACKS AND (1) TELEPHONE JACK U.O.N.	4-11/16" SQ. BOX W/ SINGLE GANG RING. INCLUDE (2) 1" C. TO ACCESSIBLE ATTIC SPACE HOMERUN CABLES TO IDF.
	WAP OULETS (2) WAP DATA JACKS MOUNTED IN ATTIC SPACE.	SEE DETAIL M6/X/E102. HOMERUN CABLES TO IDF.
	INTRUSION DOOR/WINDOWS CONTACT	PROVIDE 1/2" C TO ACCESSIBLE ATTIC SPACE. REFER TO SPECIFICATIONS.
	INTRUSION MOTION SENSOR AT CEILING	REFER TO SPECIFICATIONS.
	INTRUSION GLASS BREAK SENSOR AT CEILING	REFER TO SPECIFICATIONS.
	INTRUSION KEY PAD AT +48" AFF TO TOP OF BOX	INCLUDE 1/2" C TO ACCESSIBLE ATTIC SPACE REFER TO SPECIFICATIONS.
	INTRUSION 4-ZONE ADDRESSABLE MODULE IN ACCESSIBLE ATTIC SPACE	REFER TO SPECIFICATIONS.
	SURVEILLANCE (CCTV) CAMERA EXACT LOCATION DETERMINED IN FIELD PER OWNER	JUNCTION BOX WITH 1" C. TO ACCESSIBLE ATTIC SPACE WITH CAMERA CABLE. VERIFY REQUIREMENTS AND LOCATIONS PRIOR TO ROUGH-IN.
	WP OUTDOOR IP PUBLIC ADDRESS SPEAKER PROVIDE (1) DATA JACK	ATLAS #IP-HVP W/ SURFACE ENCLOSURE HOMERUN CABLE TO IDF.
	IP CLOCK/PA SPEAKER IN WALL MTD SURFACE ENCL. PROVIDE (1) DATA JACK	ATLAS #IP-SDM W/ SURFACE ENCLOSURE HOMERUN CABLE TO IDF.
	CLASSROOM TV LOCATION (2) DATA JACKS & HDMI JACK	VERIFY LOCATIONS OF DEVICES PRIOR TO ROUGH-IN. PULL HDMI TO TEACHER'S STATION. PULL DATA CABLES TO IDF.
	AUDIO/VISUAL INPUT STATION WITH HDMI JACK AT +18" AFF TO CENTER OF BOX, U.O.N.	PULL HDMI IN FROM TV LOCATION.
	MAIN DISTRIBUTION FRAME (MDF)	
	INTERMEDIATE DISTRIBUTION FRAME (IDF)	SEE SPECIFICATIONS AND DETAIL G6/X/E102.
	P.A. SYSTEM HEAD END	
	P.A. SYSTEM TERMINAL BLOCK	
	TEL. SYSTEM HEAD END	
	TEL. SYSTEM TERMINAL BLOCK	
	INTRUSION SYSTEM MAIN PANEL	
	INTRUSION SYSTEM TERMINAL BLOCK	
	ENERGY MANAGEMENT SYSTEM PUNCH BLOCK	
	FIRE ALARM TERMINAL BLOCKS	LOCATION FOR REFERENCE. SEE FIRE ALARM PLANS.
	FIRE ALARM CONTROL PANEL	LOCATION FOR REFERENCE. SEE FIRE ALARM PLANS.
	WIREMOLD 5400 SURFACE WIREWAY	RISERS WHERE INDICATED ON DRAWINGS
	EXISTING TO BE REMOVED	
	EXISTING CONDUIT/WIRING TO BE DEMOLISHED	
	EXISTING DEVICES TO REMAIN	
	EXISTING WIRING TO REMAIN	
	WIRING BELOW GRADE	REFER TO DETAIL A1/X/E101. 1" C. CONDUIT MIN.
	WIRING IN WALL OR CEILING	3/4" CONDUIT MIN.; EMT CONCEALED AND ABOVE 96" EXPOSED; GRS BELOWS 96" EXPOSED.
	LOW VOLTAGE WIRING	
	CONDUIT RISER	3/4" CONDUIT MIN.
	FLEXIBLE CONDUIT	3/4" CONDUIT MIN.
	CONDUIT STUB AND CAP	3/4" CONDUIT MIN.
	HASH MARKS DENOTES QTY. OF CONDUCTORS WIRE SIZE INDICATED, IF OTHER THAN #12 AWG	3/4" CONDUIT MIN.
	HOME RUN (TO PANEL "A", CIRCUIT "2")	3/4" CONDUIT MIN.
	"EXISTING"	
	"NEW"	
	"UNLESS OTHERWISE NOTED"	
	"WEATHERPROOF" / NEMA 3R	
	"GROUND FAULT INTERRUPTER"	

ELECTRICAL EQUIPMENT ANCHORAGE NOTES

ALL ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16, CHAPTERS 13, 26 AND 30:

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING ELECTRICAL UTILITY SERVICE.
- MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT THE ATTACHMENT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED CONDUIT.

- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

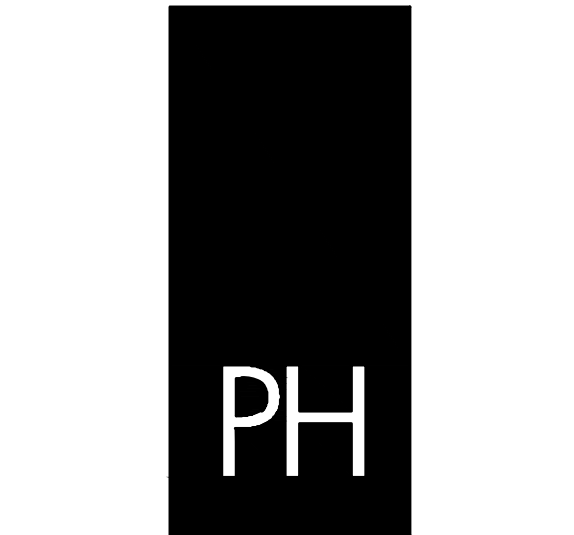
FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTES

THE ELECTRICAL DISTRIBUTION SYSTEM SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16, SECTION 13.3 AS DEFINED IN ASCE 7-16, SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

THE ELECTRICAL DISTRIBUTION SYSTEM IS DETAILED ON THE APPROVED DRAWINGS WITH SPECIFIC NOTES AND DETAILS. WHEN A DETAIL IS NOT PROVIDED ON THE PLANS, THE ELECTRICAL DISTRIBUTION SYSTEM SHALL COMPLY WITH HCAI PRE-APPROVAL #OPM-0052-13 (B-LINE).



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PROJECT:
CUSD CLOVIS WEST CERAMICS CLASSROOM
1070 E. TEAGUE, FRESNO CA 93720
SHEET: NOTES & SYMBOL SCHEDULE

DRAWING SET INFORMATION:

08.04.2021	Backcheck
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REVISIONS:

PROJECT NUMBER:
2306

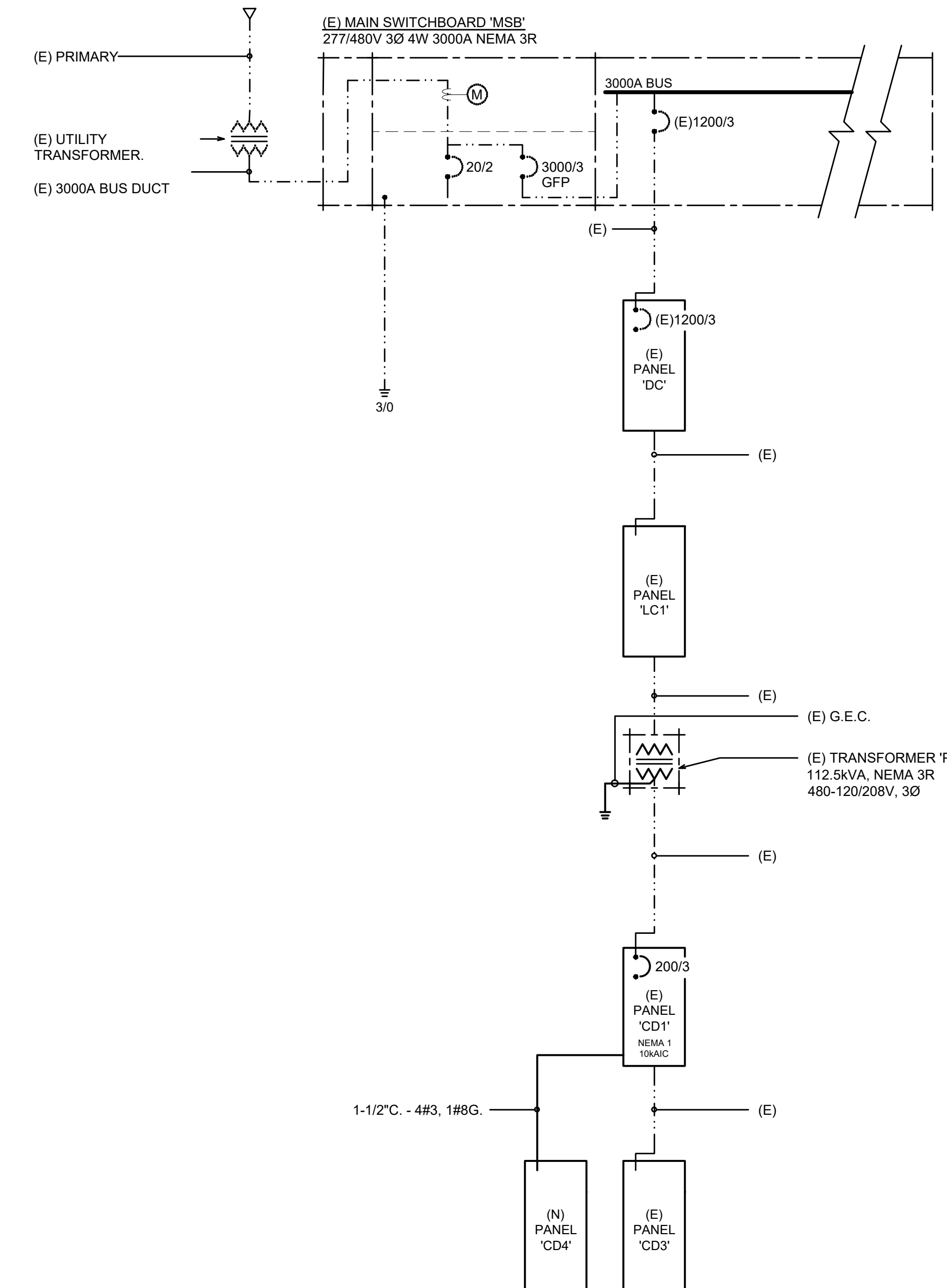
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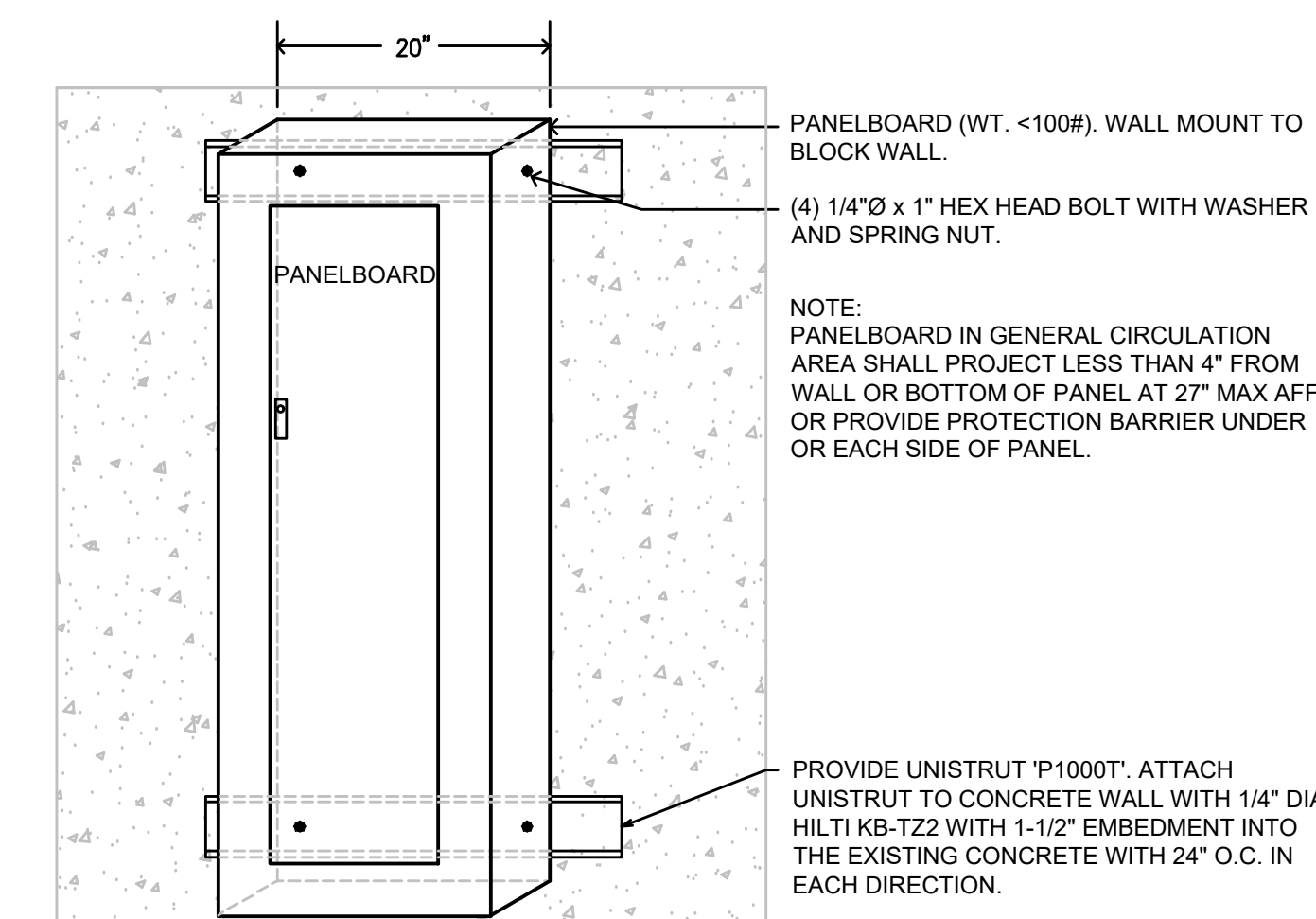
Hardin-Davidson Engineering
356 Pollasky Ave., Suite 200
Clovis, CA 93612
559.323.4995 tel • 559.323.4928 fax

(E) PANEL "CD1" SCHEDULE										
120/208V 3Φ 4W INDOOR / SURFACE										
CKT. NO.	DESCRIPTION	BREAKER AMPS	POLE(S)	VA	Φ	VA	BREAKER AMPS	POLE(S)	DESCRIPTION	CKT. NO.
1	PANEL 'CD3'	100	3	2600	A	0	20	1	SPARE	2
3	--	--	--	3180	B	500	20	1	UNLABELLED	4
5	--	--	--	3200	C	500	20	1	UNLABELLED	6
7	RECEP - COMPUTER LAB	20	1	500	A	4550	100	3	PANEL 'CD4' **	8
9	RECEP - COMPUTER LAB	20	1	500	B	4500	--	--	--	10
11	RECEP - COMPUTER LAB	20	1	500	C	4500	--	--	--	12
13	RECEP - COMPUTER LAB	20	1	500	A	500	20	1	RECEP - RM 125	14
15	RECEP - COMPUTER LAB	20	1	500	B	500	20	1	RECEP - RM 125	16
17	RECEP - COMPUTER LAB	20	1	500	C	500	20	1	RECEP - RM 125	18
19	RECEP - ROOM 134	20	1	500	A	500	20	1	RECEP - RM 132	20
21	RECEP - ROOM 134	20	1	500	B	500	20	1	RECEP - RM 132	22
23	RECEP - ROOM 134	20	1	500	C	500	20	1	RECEP - RM 132	24
25	SPARE*	20	1	0	A	500	20	1	UNLABELLED	26
27	SPARE*	20	1	0	B	500	20	1	UNLABELLED	28
29	SPARE*	20	1	0	C	500	20	1	UNLABELLED	30
31	UNLABELLED	20	1	500	A	500	20	1	UNLABELLED	32
33	IDU	15	2	600	B	500	20	1	UNLABELLED	34
35	--	--	--	600	C	500	20	1	UNLABELLED	36
37	ODU	30	3	2400	A	500	20	1	UNLABELLED	38
39	--	--	--	2400	B	500	20	1	UNLABELLED	40
41	--	--	--	2400	C	500	20	1	UNLABELLED	42
LOAD SUMMARY:		Φ A		14050 VA			BUSING:		200A CU	
		Φ B		15180 VA			MAIN:		M.L.O.	
		Φ C		15200 VA			AIC RATING:		10,000A	
CONNECTED LOAD:				44.4 kVA			MFGR:		SQUARE D NQ PANELBOARD	
MAX CURRENT:				127 A			USE:			
NOTES: * LOAD REMOVED UNDER THIS PROJECT ** NEW LOAD UNDER THIS PROJECT										

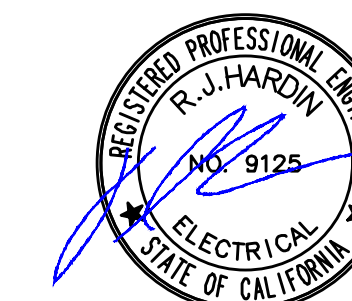
(N) PANEL "CD4" SCHEDULE										
120/208V 3Φ 4W INDOOR / SURFACE										
CKT. NO.	DESCRIPTION	BREAKER AMPS	POLE(S)	VA	Φ	VA	BREAKER AMPS	POLE(S)	DESCRIPTION	CKT. NO.
1	REC - CERAMICS NORTH WALL	20	1	1500	A	50	20	1	TRAP PRIMER	2
3	REC - CERAMICS NORTH WALL	20	1	1500	B					4
5	REC - CERAMICS NORTH WALL	20	1	1500	C					6
7	REC - CERAMICS NORTH WALL	20	1	1500	A					8
9	REC - CERAMICS NORTH WALL	20	1	1500	B					10
11	REC - CERAMICS NORTH WALL	20	1	1500	C					12
13	REC - CERAMICS NORTH WALL	20	1	1500	A					14
15	REC - CERAMICS CEILING	20	1	1500	B					16
17	REC - CERAMICS CEILING	20	1	1500	C					18
19					A					20
21					B					22
23					C					24
25					A					26
27					B					28
29					C					30
LOAD SUMMARY:		Φ A		4550 VA			BUSING:		100A CU	
		Φ B		4500 VA			MAIN:		M.L.O.	
		Φ C		4500 VA			AIC RATING:		10,000A	
CONNECTED LOAD:				13.6 kVA			MFGR:		SQUARE D NQ PANELBOARD	
MAX CURRENT:				38 A			USE:			



① POWER SINGLE LINE DIAGRAM
NOT TO SCALE

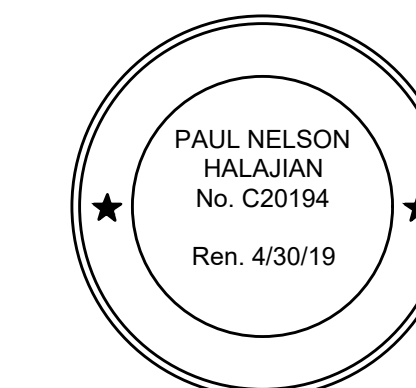


② PANELBOARD MOUNTING DETAIL (BLOCK WALL)
NOT TO SCALE



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PROJECT:
CUSD CLOVIS WEST CERAMICS CLASSROOM
1070 E. TEAGUE, FRESNO CA 93720
SHEET: SINGLE LINE DIAGRAM & PANEL SCHEDULES

DRAWING SET INFORMATION:

08.04.2021	Backcheck
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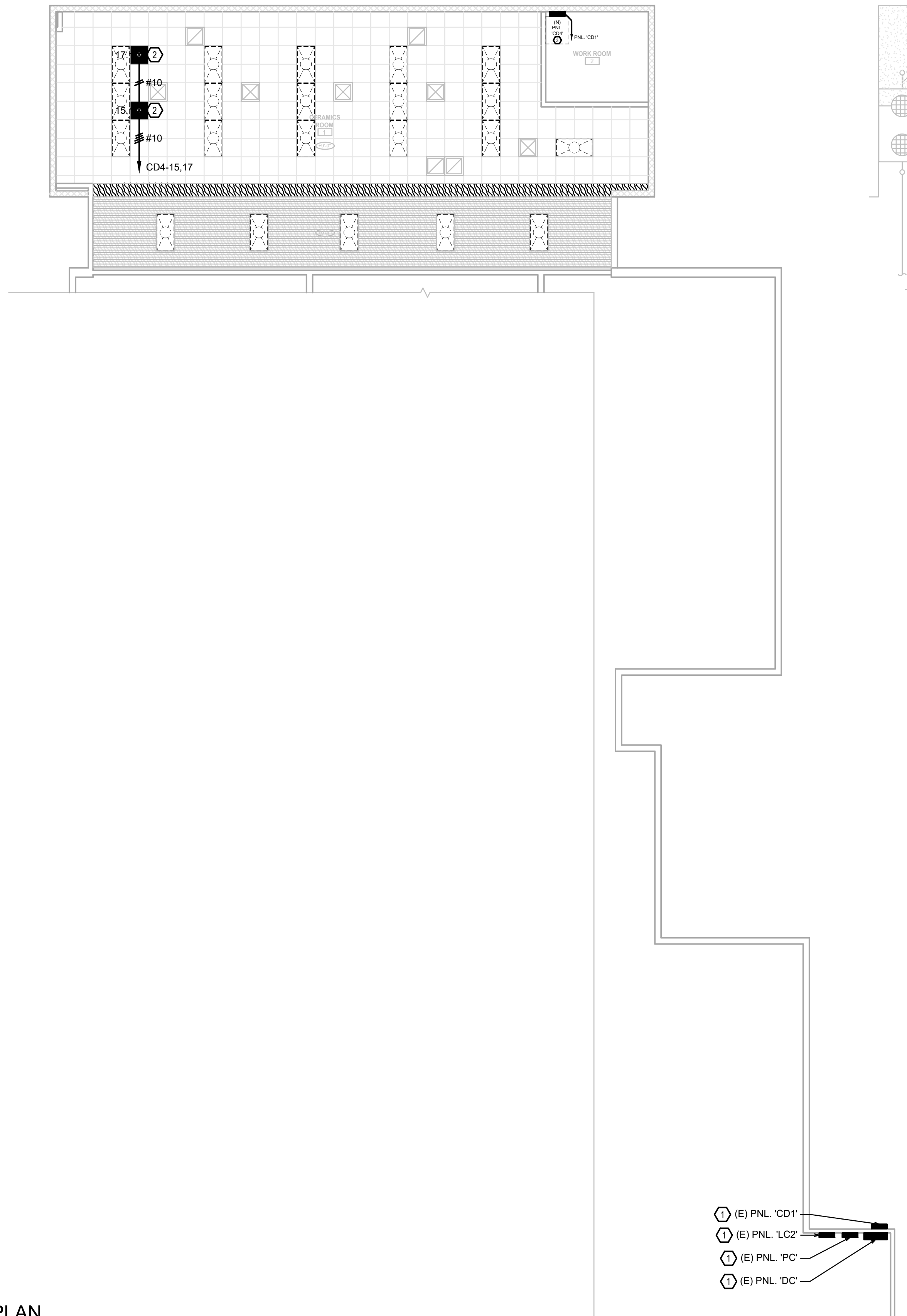
REVISIONS:

PROJECT NUMBER:

2306

SHEET NUMBER:

E010



1 ELECTRICAL REFLECTED CEILING PLAN
1/8" = 1'-0"

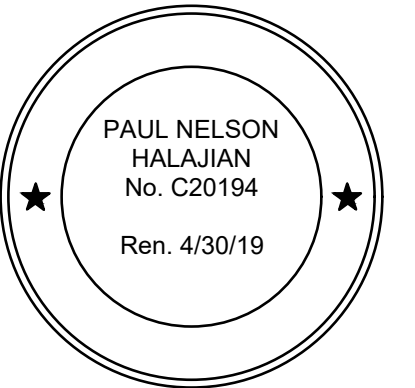
KEYNOTES

- EXISTING PANEL TO REMAIN. PROVIDE UPDATED TYPE-WRITTEN PANEL SCHEDULE IN ANY PANEL WHERE WORK IS PERFORMED. PANEL SCHEDULE SHALL BEAR THE NAME OF THE CONTRACTOR, THE DATE THE SCHEDULE WAS UPDATED, FACILITY NAME ("CLOVIS WEST"), BUILDING NAME ("C"), PANEL DESIGNATION (NAME), VOLTAGE, PHASE, NUMBER OF CIRCUITS.
- PROVIDE NEW GFCI-PROTECTED RECEPTACLE AT CEILING FOR CORD REEL. PROVIDE VIVO #MOUNT-VP07DP 2X2' MOUNTING PLATE. PROVIDE 20A, 120V, GFCI-PROTECTED, TAMPER RESISTANT RECEPTACLE. R ATTACH MOUNT TO T-BAR GRID AND PROVIDE SEISMIC BRACING PER ARCHITECTURAL REQUIREMENTS. INSTALL CORD REEL TO MOUNTING PLATE WITH MANUFACTURER SPECIFIC MOUNTING HARDWARE. ATTACH MOUNTING PLATE TO T-BAR RUNNER WITH #10 SMS AT EACH SIDE.
- PROVIDE AND INSTALL NEW 30 CIRCUIT, 100A, 120/208V, 3Ø, 4W, NEMA 1, 10KAIC PANELBOARD 'CD4' PER PANEL SCHEDULE 'CD4'. SEE SINGLE LINE DIAGRAM FOR FEEDER INFORMATION. SEE DETAIL 2/E010.



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PROJECT:
**CUSD CLOVIS WEST
CERAMICS CLASSROOM**
1070 E. TEAGUE, FRESNO CA 93720
SHEET: ELECTRICAL REFLECTED CEILING PLAN

DRAWING SET INFORMATION:

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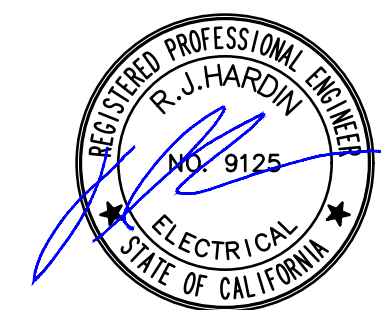
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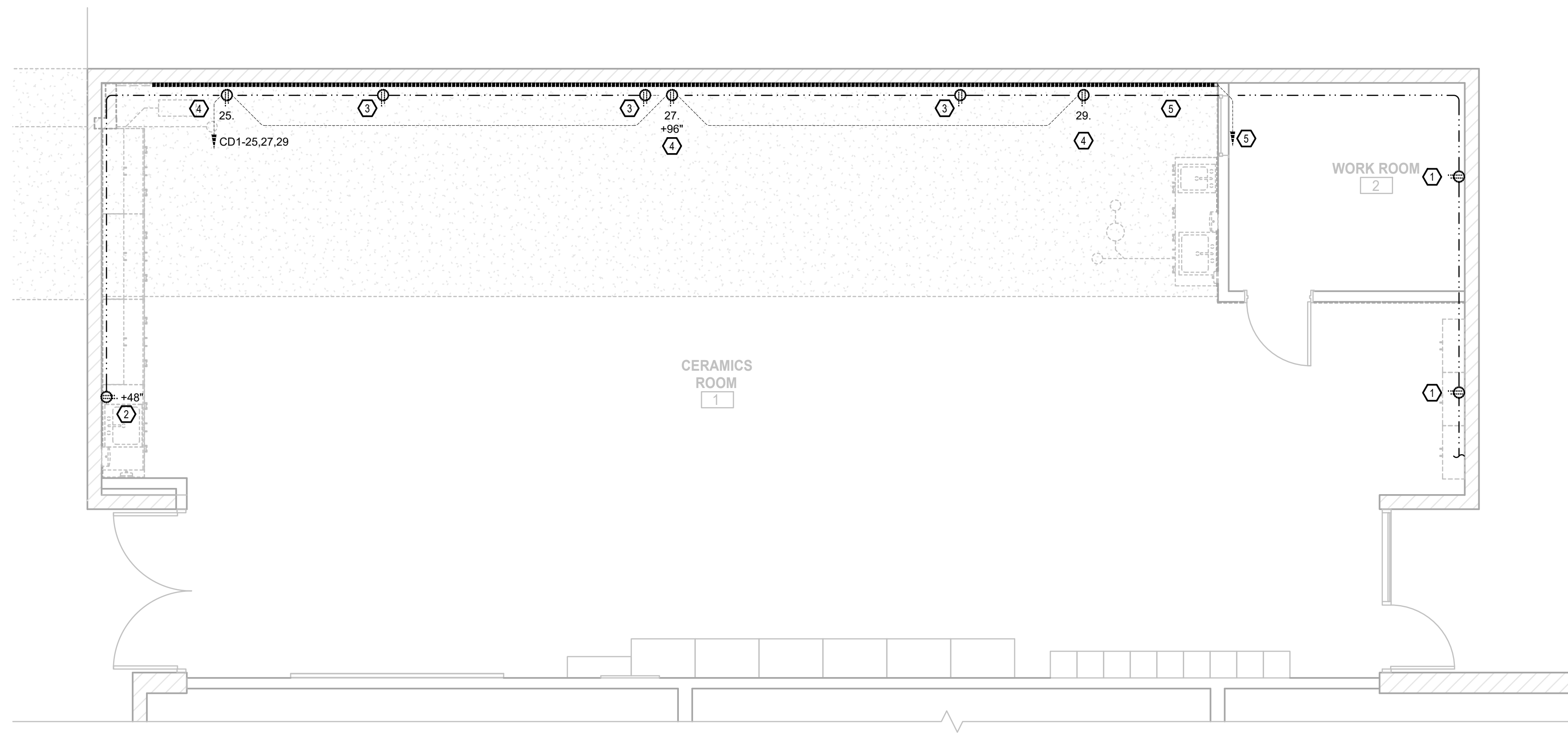
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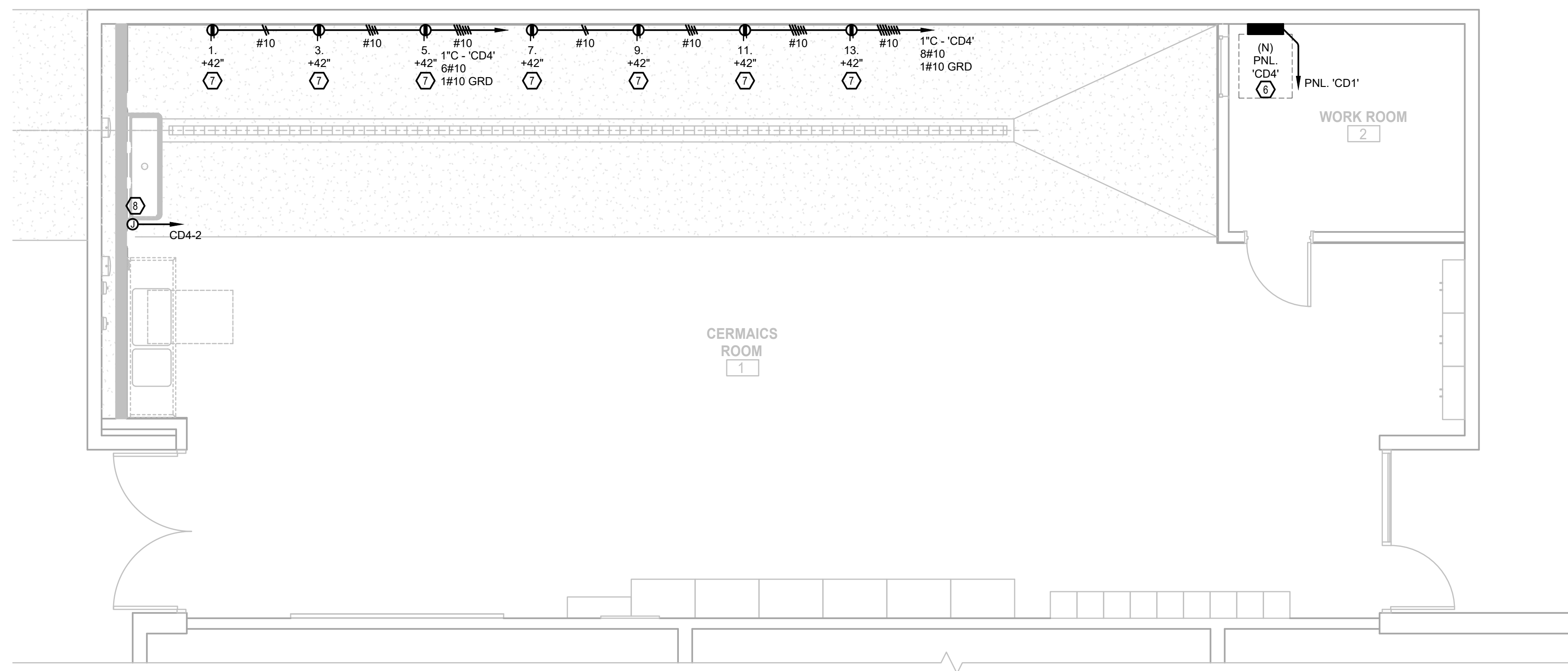
E100



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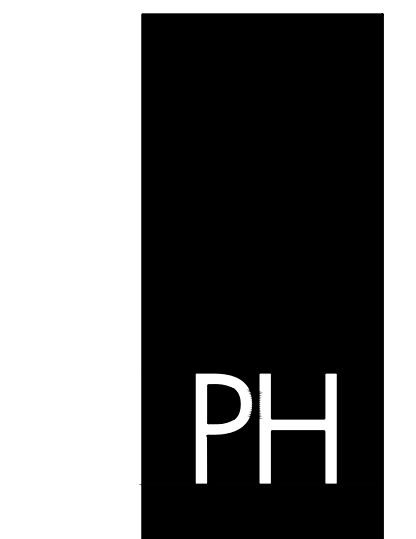
1 ELECTRICAL POWER DEMOLITION PLAN
1/4" = 1'-0"



1 ELECTRICAL POWER PLAN
1/4" = 1'-0"

KEYNOTES

1. EXISTING RECEPTACLE TO REMAIN. DOCUMENT EXISTING CIRCUIT ON AS-BUILT PLANS AND PROVIDE UPDATED TYPE-WRITTEN PANEL SCHEDULE. INSTALLED INITIALLY UNDER DSA #37205.
2. REPLACE EXISTING DUPLEX RECEPTACLE WITH NEW GFCI-PROTECTED RECEPTACLE. DOCUMENT EXISTING CIRCUIT ON AS-BUILT PLANS AND PROVIDE UPDATED TYPE-WRITTEN PANEL SCHEDULE. INSTALLED INITIALLY UNDER DSA #37205.
3. REPLACE EXISTING RECEPTACLE WITH NEW GFCI-PROTECTED RECEPTACLE WITH WEATHERPROOF WHILE-IN-USE COVER. DOCUMENT EXISTING CIRCUIT ON AS-BUILT PLANS AND PROVIDE UPDATED TYPE-WRITTEN PANEL SCHEDULE. INSTALLED INITIALLY UNDER DSA #37205.
4. REMOVE EXISTING SURFACE MOUNTED RECEPTACLES, CONDUCTORS AND ACCESSIBLE CONDUIT. CONDUIT MAY BE REUSED FOR THIS PROJECT AS NEEDED IF THE CONDUIT IS NOT DAMAGED, CORRODED, ETC. DOCUMENT REUSED EXISTING CONDUIT SIZE, ROUTING, ETC. ON AS-BUILT PLANS. INSTALLED INITIALLY UNDER DSA #02-113205.
5. REMOVE EXISTING SURFACE MOUNTED PLUGMOLD. CONDUIT MAY BE REUSED FOR THIS PROJECT AS NEEDED IF THE CONDUIT IS NOT DAMAGED, CORRODED, ETC. DOCUMENT REUSED EXISTING CONDUIT SIZE, ROUTING, ETC. ON AS-BUILT PLANS. INSTALLATION NOT DOCUMENTED ON AVAILABLE AS-BUILT DRAWINGS.
6. PANEL 'CD4'. SEE SHEET E100.
7. PROVIDE 20A, GFCI-PROTECTED, TAMPER RESISTANT RECEPTACLE WITH EXTRA DUTY METALLIC WEATHERPROOF WHILE-IN-USE COVER IN WEATHERPROOF BOX. ALL CONDUIT SHALL BE 1" EMT WITH RAINIGHT FITTINGS. BOX: PASS & SEYMOUR #WPBD452. COVER: PASS & SEYMOUR #WIUCAST2. RECEPTACLE: PASS & SEYMOUR #2097TRAW, BLANKING STRAP: PASS & SEYMOUR #WP3410WH.
8. TRAP PRIMER. COORDINATE WITH PLUMBING FOR EXACT LOCATION AND REQUIREMENTS.



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PROJECT:
CUSD CLOVIS WEST CERAMICS CLASSROOM
1070 E. TEAGUE, FRESNO CA 93720
SHEET: ELECTRICAL REFLECTED CEILING PLAN

DRAWING SET INFORMATION:

08.04.2021	Backcheck
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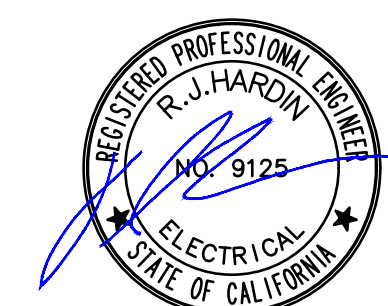
REVISIONS:

PROJECT NUMBER:

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SHEET NUMBER:

E101



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