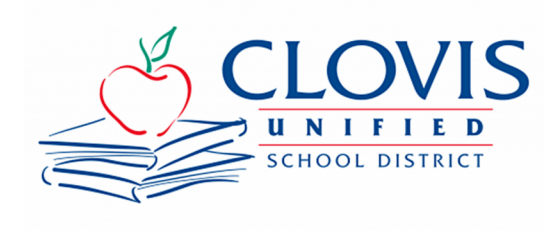


\\let-file1\Users\Sonia Orozco_TET\Documents\12689-A-WELDON ES PORTABLE MODIFICATION_sonia.orozco.rvt



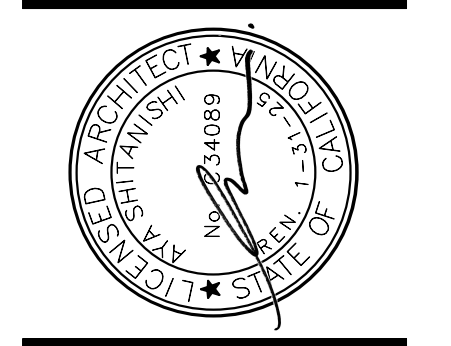
MODULAR BUILDING MODIFICATION WELDON ELEMENTARY SCHOOL CLOVIS UNIFIED SCHOOL DISTRICT



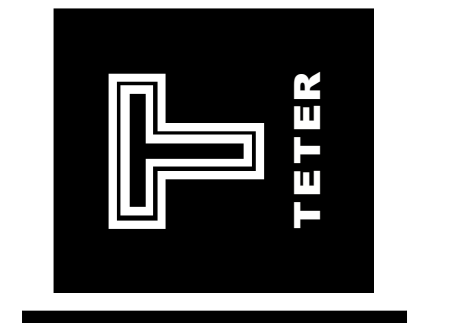
GENERAL	
G000	COVER
G100	SHEET SPECIFICATIONS
G101	SHEET SPECIFICATIONS
3	
ARCHITECTURAL	
A000	LEGENDS AND ABBREVIATIONS
A100	SITE PLAN
A102	FLOOR PLAN, REFLECTED CEILING PLAN, & DETAILS
A103	DETAILS
4	
PLUMBING	
MP001	MECHANICAL & PLUMBING SCHEDULE, LEGEND, AND NOTES
MP002	MECHANICAL & PLUMBING SPECIFICATIONS
MP200	MECHANICAL & PLUMBING FLOOR PLANS
MP800	MECHANICAL & PLUMBING DETAILS
4	
ELECTRICAL	
E200	ELECTRICAL POWER, LIGHTING, AND FIRE ALARM PLAN
E800	ELECTRICAL SCHEDULES, LEGENDS, AND NOTES
E900	ELECTRICAL SPECIFICATIONS
3	
TOTAL PAGES: 14	

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MARK	DATE	DESCRIPTION
A	05/01/23	FOR CONSTRUCTION



TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED



MODULAR MODIFICATION
WELDON ELEMENTARY
150 DEWITT AVE.
CLOVIS, CA
DRAWING TITLE
COVER

PROJECT NO.
23-12689

DRAWING
G000

GENERAL

PROJECT ADDRESS:
150 DEWITT AVE, CLOVIS, CA 93612

PROJECT DESCRIPTION

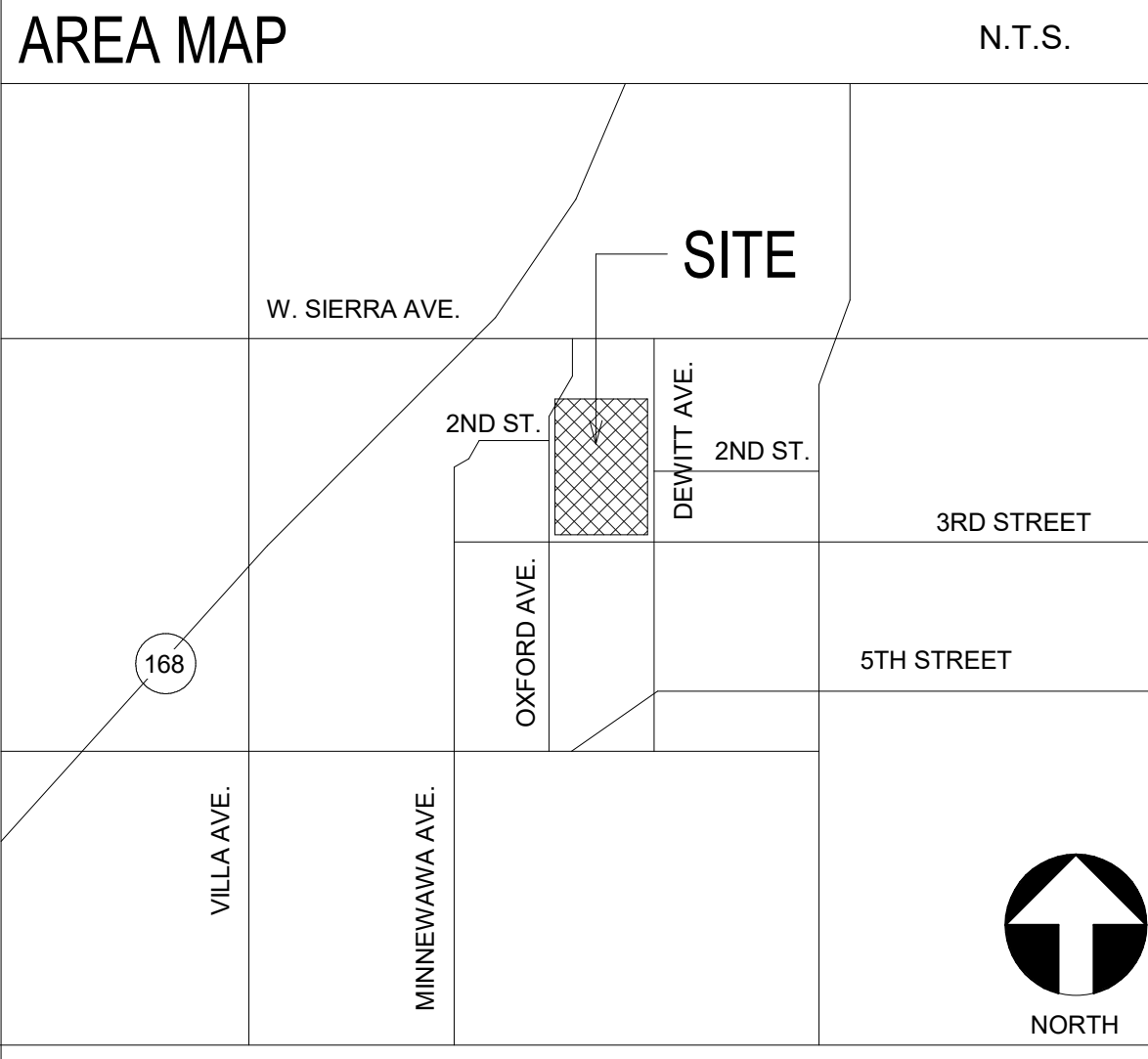
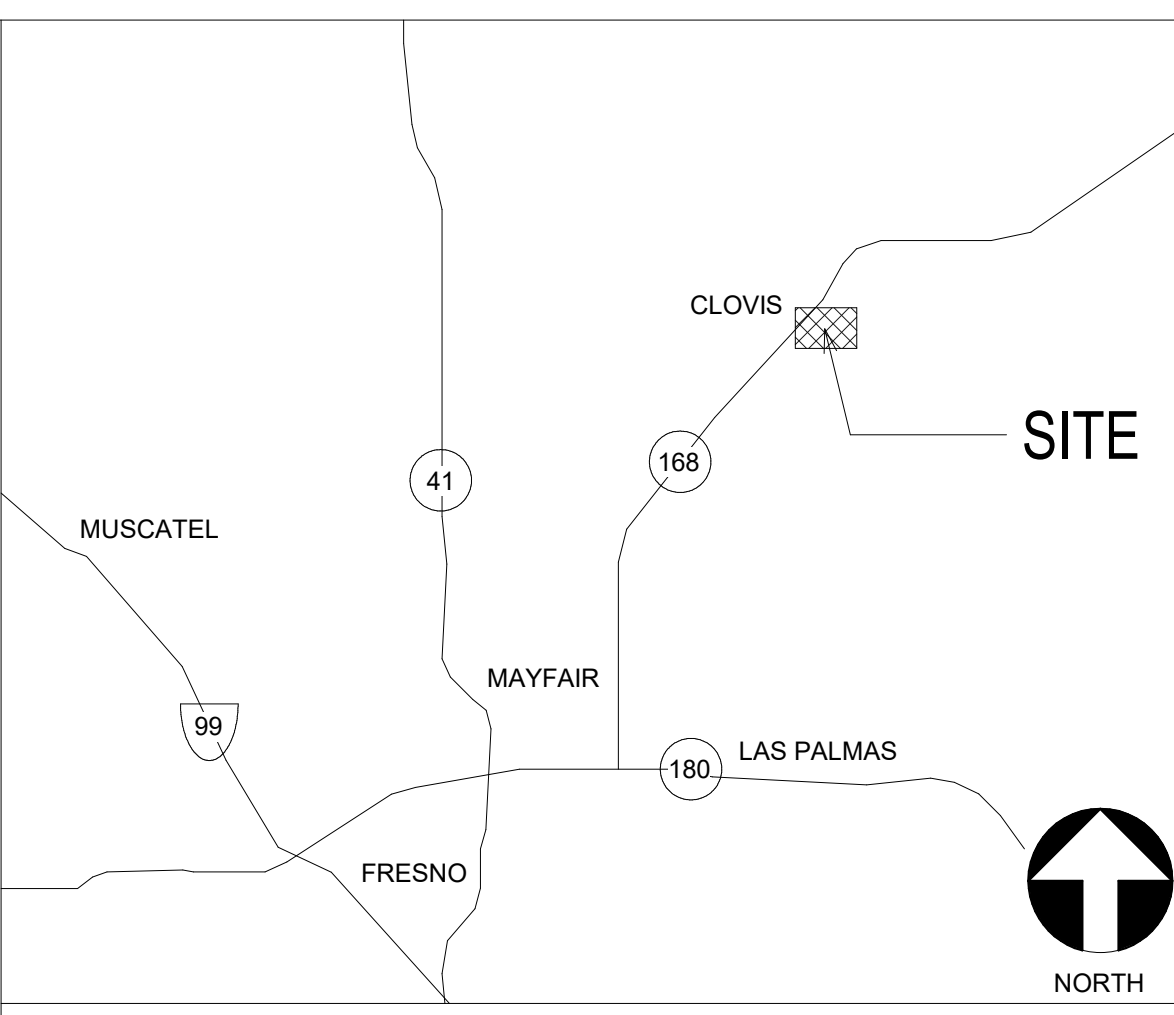
THIS PROJECT CONSISTS OF INTERIOR MODIFICATIONS (ELECTRICAL, PLUMBING, CASEWORK, FINISHES) TO AN EXISTING PORTABLE BUILDING.

FLOOD HAZARD INFORMATION

FLOOD ZONE DESIGNATION:
ZONE X - AREA OF 0.2% CHANCE FLOOD HAZARD
FLOOD INSURANCE RATE MAP (F.I.R.M.) PANEL DESIGNATION:
MAP #06019C1585H
EFFECTIVE DATE OF F.I.R.M.:
FEBRUARY 16, 2009

GENERAL NOTES

1. A COPY TITLE 24 C.C.R. PARTS 1 AND 2 SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.



STATEMENT OF GENERAL CONFORMANCE

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS.

APPLICATION NO.: XX-XXXX FILE NO.: 10-27

THE DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET

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:

1. DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND
2. 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 I.

I CERTIFY THAT:

- ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX
- THIS DRAWING OR PAGE

IS/ARE IN GENERAL CONFORMANCE AND HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS

 01-02-2023
ARCHITECT'S SIGNATURE DATE

AYA SHITANISHI
ARCHITECT/PARTNER
TETER, LLP

C34089 01-31-2025
LICENSE NUMBER EXPIRATION DATE

GENERAL INFORMATION

2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R. EFFECTIVE JULY 1, 2014
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
2022 CALIFORNIA FIRE CODE (CFC), PART 9, C.C.R. TITLE 24
2022 CALIFORNIA REFERENCED STANDARDS CODE, C.C.R. TITLE 24, PART 12
2022 CALIFORNIA ENERGY CODE (CAC), C.C.R. TITLE 24, PART 6
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), C.C.R. TITLE 24, PART 11
C.C.R. TITLE 19 PUBLIC SAFETY
NFPA 72-16 NATIONAL FIRE ALARM AND SIGNALING CODE (AS AMENDED)
UL 38-99 MANUALLY ACTUATED SIGNALING BOXES (AS AMENDED)
UL 268-09 SMOKE DETECTORS FOR FIRE ALARM SYSTEMS
UL 268A-09 SMOKE DETECTORS FOR DUCT APPLICATION (AS AMENDED)
UL 464-03 AUDIBLE SIGNAL APPLIANCES (AS AMENDED)
UL 521-99 HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS (AS AMENDED)
UL 1424 CABLES FOR POWER-LIMITED FIRE-ALARM CIRCUITS (2005 EDITION)
UL 1971 SIGNALING DEVICES FOR THE HEARING IMPAIRED (2004 EDITION)
AMERICANS WITH DISABILITIES ACT

OWNER
CLOVIS UNIFIED SCHOOL DISTRICT

1450 HERNDON AVE.
CLOVIS, CA 93611-0567
(559) 327-9000
CONTACT: DENVER STAIRS
E-MAIL: DenverStairs@clovisusd.k12.ca.us

PROJECT ARCHITECT
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E-MAIL: aya.shitanishi@teterae.com

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(559) 437-0887
CONTACT: MATT SODERSTROM
E-MAIL: matt.soderstrom@teterae.com

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(559) 437-0887
CONTACT: BRYAN GLASS
E-MAIL: bryan.glass@teterae.com

GOVERNING CODES

PROJECT DIRECTORY

SHEET INDEX

PLOT DATE: 5/2/2023 10:06:56 AM

92900 GYPSUM BOARD

- 1. Summary: Section includes gypsum board
2. Submittals:
A. Product data for each type of product indicated or incorporated into the Work.
B. Samples: Three (3) 48 inch square samples for each textured finish indicated and on same backing indicated for Work.
3. Gypsum Board: ASTM C 1396/C 1396M, 5/8 inch thick, Type X, long edges tapered.
4. Interior Trim: Galvanized or aluminum-coated steel sheet or rolled zinc, ASTM C 1047.
5. Joint Treatment Materials: Comply with ASTM C 475/C 475M.
A. Joint Tape: Paper.
B. Joint Compound: For each coat use formulation that is compatible with other compounds applied on previous or for successive coats.
1. Prefilling: At open joints and damaged surface areas, use setting-type taping compound.
2. Embedding and First Coat: For embedding tape and first coat on joints, fasteners, and trim flanges, use drying-type, all-purpose compound.
3. Fill Coat: For second coat, use drying-type, all-purpose compound.
4. Finish Coat: For third coat, use drying-type, all-purpose compound.
6. Auxiliary Materials: Provide auxiliary materials that comply with referenced installation standards and manufacturer's written recommendations.
A. Steel Drill Screws: ASTM C 1002, unless otherwise indicated. Use screws complying with ASTM C 954 for fastening panels to steel members from 0.033 to 0.112 inch thick (20 gage structural and heavier).
7. Installation: Install panels in compliance with ASTM C 840 and manufacturer's written installation instructions.
A. Install ceiling panels across framing to minimize the number of abutting end joints and to avoid abutting end joints in central area of each ceiling.
B. Attachment to Steel Framing: Attach panels so leading edge or end of each panel is attached to open (unsupported) edges of stud framing first.
C. Wood Framing: Install gypsum panels over wood framing, with floating internal corner construction.
D. Where gypsum panels are installed over structural sheathing or acoustical panels, increase the length of fasteners an amount equal to not less than the thickness of the sheathing or panels.
E. Gypsum Board Finish Levels: Finish panels to levels indicated below and according to ASTM C 840 and the Gypsum Association:
1. Level 1: All joints and interior angles shall have tape embedded in joint compound; surface shall be free of excess joint compound; tool marks and ridges are acceptable.
2. Level 2: All joints and interior angles shall have tape embedded in joint compound and one separate coat of joint compound applied over all joints, angles, fastener heads, and accessories; surface shall be free of excess joint compound; tool marks and ridges are acceptable.
3. Level 3: All joints and interior angles shall have tape embedded in joint compound and two (2) separate coats of joint compound applied over all joints, angles, fastener heads, and accessories; all joint compound shall be smooth and free of tool marks and ridges.
4. Level 4: All joints and interior angles shall have tape embedded in joint compound and Three (3) separate coats of joint compound applied over all joints, angles, fastener heads, and accessories; all joint compound shall be smooth and free of tool marks and ridges.
8. Texture Finishes: Prepare and apply primer to gypsum panels and other surfaces receiving texture finishes prior to application of finishes.

096513 RESILIENT BASE AND ACCESSORIES

- 1. Summary: Section includes resilient base and accessories.
2. Submittals:
A. Product Data: For each type of product indicated, include statement of VOC content for adhesives or sealants.
B. Samples for Initial Selection: For each type of product indicated if product colors and patterns are not pre-selected.
3. Project Conditions: Comply with environmental and other conditions in accordance with product manufacturer's written recommendations.
4. Manufacturer: Provide resilient products by one of the following: Armstrong World Industries, Inc.; Burke Mercer Flooring Products Division of Burke Industries, Inc.; or Roppe Corporation, USA.
5. Resilient Base: Products complying with ASTM F 1861; Type TS (rubber, vulcanized thermoset); Group I (solid, homogeneous); Cove (base with toe).
A. Minimum Thickness: 0.125 inch.
B. Height: 4 inches unless otherwise indicated on Drawings.
C. Lengths: Cut lengths, 48 inches long or coils in manufacturer's standard length.
D. Outside Corners: Preformed.
E. Inside Corners: Job formed or preformed.
F. Finish, color, pattern: Match existing adjacent.
6. Resilient Accessories: Carpet edge for glue-down applications, Nosing for carpet, Nosing for resilient floor covering, Reducer strip for resilient floor covering, Joiner for tile and carpet, and Transition strips.
A. Material: Rubber.
B. Profile and Dimensions: As indicated in Drawings and/or as required for project conditions.
C. Colors and Patterns: As selected by Architect from full range of industry colors to match existing adjacent material.

096816 CARPET

- 1. Summary: Section includes sheet carpet.
2. Submittals:
A. Product data for each type of product indicated or incorporated into the Work.
B. Documentation indicating carpet complies with one of the following:
1. Testing and product requirements of CRI's "Green Label Plus" program.
2. Carpet and installation adhesives products comply with the testing and product requirements of the California Department of Public Health "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."
3. NSF/ANSI 140 at the Gold level or higher.
4. Scientific Certifications Systems Sustainable Choice.
C. Samples for Verification: Minimum 12 inch square samples for each carpet type.
3. Carpet: Provide carpet manufacturer and color as indicated on Drawings.
4. Accessory Materials:
A. Trowelable Leveling and Patching Compounds: Latex-modified, hydraulic-cement-based formulation provided or recommended by carpet manufacturer.
B. Adhesives: Water-resistant, mildew-resistant, nonstaining type to suit products and subfloor conditions indicated, that complies with flammability requirements for installed carpet and is recommended or provided by carpet manufacturer.
5. Examination: Examine substrates for compliance with manufacturer's written requirements including moisture vapor emissions and alkalinity level (pH).
6. Preparation: Comply with CRI's "CRI Carpet Installation Standard" and with carpet manufacturer's written instructions for preparing substrates. Broom and vacuum clean substrates to be covered immediately before installing carpet.

- 7. Installation: Comply with CRI's "CRI Carpet Installation Standard" and carpet manufacturer's written installation instructions for direct glue down installation.
8. Immediately after installing carpet, remove excess adhesive, seam sealer, and other surface blemishes using cleaner recommended by carpet manufacturer; remove yarns that protrude from carpet surface; and vacuum carpet using commercial machine with face-beater element.
9. Protect installed carpet to comply with CRI's "CRI Carpet Installation Standard."

099000 PAINTING

- 1. Summary: Section includes surface preparation and field painting, staining or refinishing.
2. Related Sections: Division 02 through 33 Sections for factory and shop prime finishes.
3. Submittals:
A. Product Data: For each type of product incorporated into the Work. Include preparation requirements, application instructions, and VOC content for paint products.
B. Samples for Initial Selection: For each type of product indicated if product colors and patterns are not pre-selected.
C. Samples for Verification: For each type of paint system and each color and gloss of topcoat.
4. Project Conditions: Comply with environmental and other conditions in accordance with product manufacturer's written recommendations.
5. Scheduled Paint Systems: Provide paint systems as indicated on the Drawings and listed in the Interior and Exterior Paint Schedules at the end of this Specification Section.
6. Material Compatibility: Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
7. Material Quality: Provide manufacturer's best-quality paint material of the various coating types specified.
8. VOC Content: Provide materials that comply with VOC limits of authorities having jurisdiction.
9. Preparation: Comply with manufacturer's written instructions and recommendations in "MPI Manual" applicable to substrates and paint systems indicated.
10. Application: Apply paints according to manufacturer's written instructions and recommendations in "MPI Manual."
11. Interior Paint Schedule:

Table with columns: SURFACE, PAINT SYSTEM, COATS, MANUFACTURER'S DESIGNATION. Includes rows for Gypsum Drywall, Wood, and Ferrous Metal.

Table with columns: SURFACE, PAINT SYSTEM, COATS, MANUFACTURER'S DESIGNATION. Includes rows for Galvanized Aluminum, Plaster/Concrete/Brick, Concrete Block, Acoustical Ceiling Tile, Ceramic Tile, and Ceiling and Wall w/ misc. Pipes.

Exterior Paint Schedule:

Table with columns: SURFACE, PAINT SYSTEM, COATS, MANUFACTURER'S DESIGNATION. Includes rows for Plaster/Concrete, Concrete Block Masonry, and Wood.

SPECIFICATIONS

Table with columns: SURFACE, PAINT SYSTEM, COATS, MANUFACTURER'S DESIGNATION. Includes rows for Ferrous Metal, Galv. Metal & Aluminum, and High Perf.

DIVISION 10 - SPECIALTIES

NOT USED

DIVISION 11 - EQUIPMENT

113100 RESIDENTIAL APPLIANCES

- 1. Summary: Section includes Contractor installation of Owner and Contractor furnished residential appliances as indicated on Drawings.
2. Install appliances in accordance with manufacturer's written instructions.

DIVISION 12 - FURNISHINGS

NOT USED

DIVISION 21 - FIRE PROTECTION

NOT USED

DIVISION 22 - PLUMBING

220000 PLUMBING

- 1. Summary: Section includes building plumbing piping and fixtures as indicated on the Plumbing Drawings.

DIVISION 23 - MECHANICAL/HVAC

230000 MECHANICAL/HVAC

- 1. Summary: Section includes building mechanical/HVAC systems as indicated on the Mechanical Drawings.

DIVISION 26 - ELECTRICAL

260000 ELECTRICAL

- 1. Summary: Section includes power distribution, lighting, and controls as indicated on the Electrical Drawings.

DIVISION 31 - EARTHWORK

NOT USED

DIVISION 32 - SITE IMPROVEMENTS

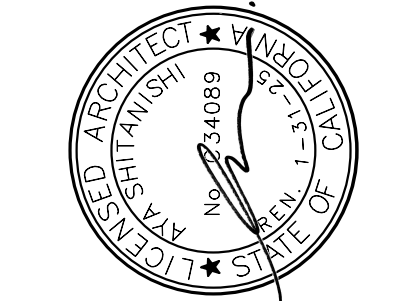
NOT USED

DIVISION 33 - UTILITIES

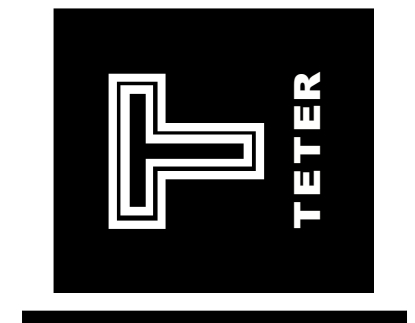
NOT USED

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Table with columns: MARK, DATE, DESCRIPTION, FOR CONSTRUCTION. Includes entry for 05/01/23.



TETER, INC. FRESNO HEADQUARTERS VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO ARCHITECTS ENGINEERS CONNECTED



MODULAR MODIFICATION WELDON ELEMENTARY 150 DEWITT AVE. CLOVIS, CA DRAWING TITLE SHEET SPECIFICATIONS

PROJECT NO.

23-12689

DRAWING

G101

ABBREVIATIONS

ABBREVIATIONS: WHEN USED IN THESE DOCUMENTS SHALL CONFORM TO THE FOLLOWING LIST UNLESS OTHERWISE NOTED. DRAWINGS OF OTHER DISCIPLINES (SUCH AS CIVIL, STRUCTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL) MAY CONTAIN SPECIFIC ABBREVIATIONS, REFERENCES, AND LEGENDS WITH INTERPRETATION INTENDED ONLY FOR THOSE DISCIPLINES.

&	AND	FA	FIRE ALARM	OCC	OCCUPANT LOAD
L	ANGLE	F.B.	FLAT BAR	O.C.	ON CENTER
@	AT	F.B.O.	FURNISHED BY OWNER/OTHERS	O.D.	OUTSIDE DIAMETER/ DIMENSION
☉	CENTERLINE	F.D.	FLOOR DRAIN	OFF.	OFFICE
⊥	DIAMETER OR ROUND PERPENDICULAR	F.D.C.	FIRE DEPARTMENT CONNECTION	OFCI	OWNER FURNISHED, CONTR. INSTALLED
#	POUND OR NUMBER	FDN.	FOUNDATION	OFOI	OWNER FURNISHED, OWNER INSTALLED
(E)	EXISTING	F.E.	FIRE EXTINGUISHER	O.F.F.D.	OVER FLOW ROOF DRAIN
(N)	NEW	F.E.C.	FIRE EXTINGUISHER CABINET	O.H.	OPPOSITE HAND
ABV.	ABOVE	F.F.	FACTORY FINISH	O.H.C.D.	OVER HEAD COILING DOOR
AC.	AIR CONDITIONING	F.F.L.R.	FINISH FLOOR	O.H.M.S.	OVAL HEAD MACH. SCREW
ACP	ASPHALT CONCRETE PAVING	F.G.	FINISH GRADE	O.H.W.S.	OVAL HEAD WOOD SCREW
ACST.	ACOUSTICAL	F.H.	FIRE HYDRANT	OPNG.	OPENING
A.C.T.	ACOUSTIC CEILING TILE	F.H.M.S.	FLAT HEAD MACHINE SCREW	OPP.	OPPOSITE
A.B.	ANCHOR BOLT	F.N.	FINISH	OI	OVER
ADA	AMERICANS WITH DISABILITIES ACT	FN.	FINISH	ORIG.	ORIGINAL
ADAAG	ADA ACCESSIBLE GUIDELINES	FLT.	FIXTURE	OWHD	OVER HEAD
ADDL.	ADDITIONAL	FLR.	FLOORING	OWJ	OPEN WEB JOIST
ADJ.	ADJUSTABLE	FLUOR.	FLUORESCENT		
ADUC.	ADJACENT	F.O.	FACE OF		
A.F.F.	ABOVE FINISH FLOOR	F.O.C.	FACE OF CONCRETE	P.B.N.	PLYWOOD BOUNDARY NAILING
A.F.G.	ABOVE FINISH GRADE	F.O.F.	FACE OF FINISH	P.E.N.	PLYWOOD EDGE NAILING
AGG.	AGGREGATE	F.O.M.	FACE OF MASONRY	P.E.S.	PLYWOOD EDGE SCREWS
ALT.	ALTERNATE	F.O.S.	FACE OF STUD	P.I.V.	POST INDICATOR VALVE
ALUM.	ALUMINUM	FRP	FIBERGLASS REINFORCED PANELING	P.LAM.	PLASTIC LAMINATE
ANOD.	ANODIZED	F.S.	FIRE SPRINKLER(S)	P.L.	PROPERTY LINE
A.P.C.	ACOUSTIC PANEL CEILING	F.S.H.	FIRE SPRINKLER HEAD	PLAS.	PLASTER
APPROX.	APPROXIMATE	FT.	FOOT/FEET	PLYWD.	PLYWOOD
ARCH.	ARCHITECTURAL	FURR.	FURRING	PR	PAIR
AV	AUDIO VISUAL	FUT.	FUTURE	PSF	POUNDS PER SQUARE FOOT
				PSI	POUNDS PER SQUARE INCH
B.O.	BOARD	G.A.	GAUGE	PT.	POINT
BEL.	BELOW	GALV.	GALVANIZED	P.T.D.	PAPER TOWEL DISP.
B.E.N.	BOUNDARY EDGE NAILING	G.B.	GRID BAR	P.T.D.F.	PRESSURE TREATED DOUGLAS FIR
		G.C.	GENERAL CONTR.		
BLDG.	BUILDING	GEN.	GENERAL	R	RADIUS
BLK.	BLOCK	G.I.	GALVANIZED IRON	R	THERMAL RESISTANCE
BLKG.	BLOCKING	G.	GLASS	R.A.	RETURN AIR
BM.	BEAM	GR.	GRADE	R.D.	ROOF DRAIN
BOT.	BOTTOM	GYP.	GYP-SUM	REFL.	REFLECTED
BNG.	BEARING			REFR.	REFRIGERATOR
BTWN.	BETWEEN	H.B.	HOSE BIBB	HR.	HEADER
B.U.R.	BUILT-UP ROOF(ING)	HBD.	HARDBOARD	HOW.	HARDWARE
		H.C.	HOLLOW CORE	HWWD.	HARDWOOD
CAG.	CURB AND GUTTER	HD.	HEAD	H.M.	HOLLOW METAL
CAB.	CABINET	H.D.	HEAVY DUTY	H.M.D.	HOLLOW METAL DOOR
C.B.	CARRIAGE BOLT	HER.	HEADER	H.M.F.	HOLLOW METAL FRAME
CEM.	CEMENT	HW.	HARDWARE		
CER.	CERAMIC	HWWD.	HARDWOOD	HORIZ.	HORIZONTAL
C.F.	CUBIC FOOT	H.W.	HARDWARE	HR.	HOUR
C.I.	CAST IRON	H.WD.	HARDWOOD	HT.	HEIGHT
C.J.	CONSTRUCTION JOINT	H.M.	HOLLOW METAL	HVAC	HEATING/VENTILATION
C.L.	CENTER LINE	H.M.D.	HOLLOW METAL DOOR		ATIONING
C.L.F.	CHAIN LINK FENCE			H.WY.	HIGH WAY
CLG.	CEILING				
CLO.	CLOSET			I.D.	INSIDE DIAMETER/ DIMENSION
CLR.	CLEAR			INFO	INFORMATION
CLRM.	CLASS ROOM			INSUL	INSULATION
CMU	CONCRETE MASONRY UNIT			INT.	INTERIOR
				JAN.	JANITOR
CTR.	COUNTER			JT.	JOINT
COL.	COLUMN			KIT.	KITCHEN
CONC.	CONCRETE			K.O.	KNOCK OUT
CONN.	CONNECTION			K.O.P.	KNOCK OUT PANEL
CONSTR.	CONSTRUCTION			LAB.	LABORATORY
CONT.	CONTINUOUS			LAM.	LAMINATE
CONTR.	CONTRACTOR			LAV.	LAVATORY
CPT.	CARPET			L(S)	POUND (POUNDS)
CRC	COLD ROLLED CHANNEL			L.B.	LAG BOLT
				L.F.	LINEAL FOOT
				L.H.	LEFT HAND
				L.B.	LIBRARY
				LT.	LIGHT
				LT.WT.	LIGHT WEIGHT
CTR.	CENTER				
CTSK	COUNTERSINK			T.C.	TOP OF CONCRETE
C.Y.	CUBIC YARD			TEMP.	TEMPORARY
				TMPD.	TEMPERED
				T&G	TONGUE AND GROOVE
D.A.	DISABLED ACCESS			THD.	THREADED
DBL.	DOUBLE			THK.	THICK
DEMO.	DEMOLISH/ DEMOLITION			T.I.	TENANT IMPROVEMENT
				TK.BD.	TACK BOARD
D.F.	DRINKING FOUNTAIN OR DOUGLAS FIR			T.O.S.	TOP OF STEEL
				T.P.	TOP OF FINISHMENT
DET.	DETAIL			TS	TUBE STEEL
DIAG.	DIAGONAL			TEL	TELEPHONE
DIA.	DIAMETER			TTB	TELEPHONE TERMINAL BOX ES.
DIM.	DIMENSION			TV	TELEVISION
DISP.	DISPENSER			TYP.	TYPICAL
DN.	DOWN				
DP.	DEEP			U.G.	UNDERGROUND
DS	DOWN SPOUT			U.N.O.	UNLESS NOTED OTHERWISE
DWG(S)	DRAWING			UR.	URINAL
DWR.	DRAWER				
		MACH.	MACHINE		
		MAINT.	MAINTENANCE		
		MAX.	MAXIMUM		
E	EAST	M.B.	MACHINE BOLT		
EA.	EACH	M.B.M.	METAL BUILDING MANUFACTURER		
E.F.	EXHAUST FAN				
EGR.	ENGINEER	MECH.	MECHANICAL		
E.J.	EXPANSION JOINT	MED.	MEDIUM		
EL.	ELEVATION	MEMB.	MEMBRANE		
ELEC.	ELECTRICAL	MET.	METAL		
ELEV.	ELEVATOR	MFR.	MANUFACTURER		
EMB.	EMBEDMENT	MH	MANHOLE		
EMER.	EMERGENCY	MKR.	MARKER		
E.N.	EDGE NAILING	MN.	MINIMUM		
ENCL.	ENCLOSURE	MSC.	MISCELLANEOUS		
EQ.	EQUAL	M.O.	MASONRY OPENING		
EQUIP.	EQUIPMENT	MTD.	MOUNTED		
EVAP.	EVAPORATIVE	MTG.	MEETING		
E.W.	EACH WAY	MULL.	MULLION		
EXH.	EXHAUST				
EXST.	EXISTING				
EXP.	EXPANSION				
EXT.	EXTERIOR				

CODES AND ORGANIZATIONS

CBC	CALIFORNIA BUILDING CODE	W	WEST OR WIDTHWIDE
CEC	CALIFORNIA ELECTRICAL CODE	W7	WITH
CFC	CALIFORNIA FIRE CODE	W.C.	WATER CLOSET
CMC	CALIFORNIA MECHANICAL CODE	W.CH.	WHEEL CHAIR
CPC	CALIFORNIA PLUMBING CODE	W.D.	WOOD
DSA	DIVISION OF THE STATE ARCHITECT	W.DW.	WINDOW
ICBO	INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS	WF	WIDE FLANGE
NSF	NATIONAL SANITATION FOUNDATION	W.H.	WATER HEATER
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	W/O	WITHOUT
NEC	NATIONAL ELECTRICAL CODE	W.P.	WATERPROOF
		W.S.	WOOD SCREW
		WT.	WEIGHT
		WWF	WELDED WIRE FABRIC
			TRANSFORMER

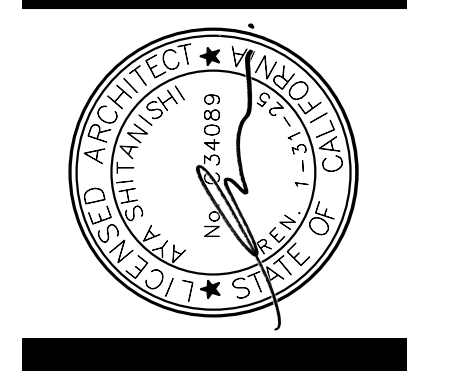
TYPICAL SYMBOLS

SYMBOLS

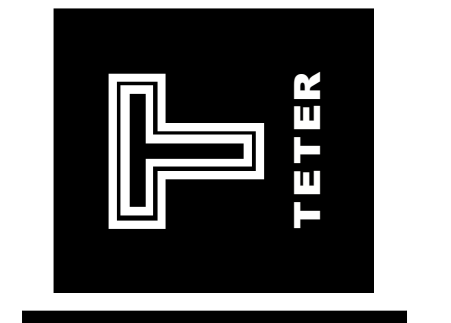
	ANGLE
	DIAMETER OR ROUND
	PERPENDICULAR
	AND
	AT
	CENTER LINE
	POUND OR NUMBER
	STATION LINE
	DOOR SYMBOL
	DOOR REFERENCE
	WINDOW SYMBOL
	WINDOW REFERENCE
	KEYNOTE SYMBOL
	KEYNOTE REFERENCE, REFER TO KEYNOTE LIST ON SHEET
	WORK POINT, CONTROL POINT OR DATUM POINT
	WALL SYMBOL
	WALL REFERENCE
	SECTION
	LOCATION ON SHEET REFERENCED
	SHEET NUMBER WHERE SECTION IS LOCATED
	DETAIL
	LOCATION ON SHEET REFERENCED
	SHEET NUMBER WHERE DETAIL IS LOCATED
	ROOM IDENTIFICATION
	ROOM NAME
	ROOM NUMBER
	CEILING HEIGHT

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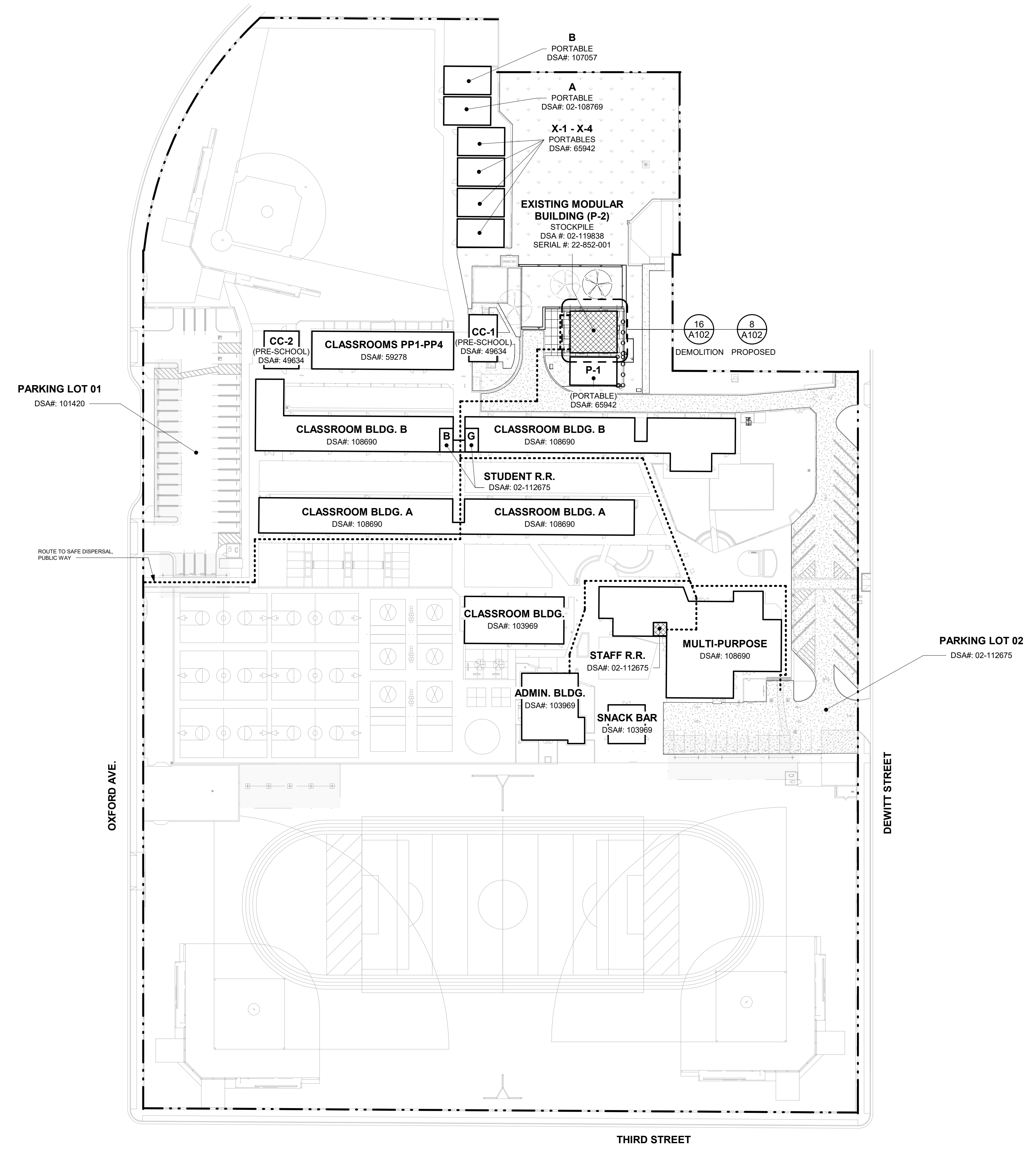


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ARCHITECTS ENGINEERS CONNECTED

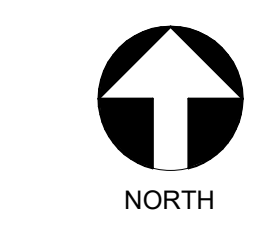


MODULAR MODIFICATION
WELDON ELEMENTARY
150 DEWITT AVE.
CLOVIS, CA
DRAWING TITLE
LEGENDS AND ABBREVIATIONS

PROJECT NO.
23-12689
DRAWING
A000



SITE PLAN



1" = 50'-0" 8

KEYNOTES 00.00

LEGEND

- EXISTING PROPERTY LINE
- EXISTING 6' CHAIN LINK FENCING TO REMAIN
- BUILDING(S) NOT INCLUDED IN THE PROJECT SCOPE OF WORK
- BUILDING ALTERATION IN THIS APPLICATION
- EXISTING TURF TO REMAIN
- EXISTING A.C. PAVING TO REMAIN
- EXISTING CONCRETE TO REMAIN
- ACCESSIBLE ROUTE (2019 C.B.C. SECTION 11B - 206)

THE ACCESSIBLE ROUTE IS A CONTINUOUS UNOBSTRUCTED PATH CONNECTING ACCESSIBLE ELEMENTS AND SPACES OF AN ACCESSIBLE SITE, BUILDING OR FACILITY THAT CAN BE NEGOTIATED BY A PERSON WITH A DISABILITY USING A WHEELCHAIR, AND THAT IS ALSO SAFE FOR AND USABLE BY PERSONS WITH OTHER DISABILITIES. ACCESSIBLE ROUTES SHALL COMPLY WITH CBC 11B-402. IN GENERAL, EXTERIOR ACCESSIBLE ROUTES SHALL COMPLY WITH THE FOLLOWING: SHALL BE STABLE, FIRM, AND SLIP RESISTANT; HAVE A 1:20 MAXIMUM RUNNING SLOPE FOR WALKS; HAVE A 1:12 MAXIMUM SLOPE FOR RAMPS AND CURB RAMPS; HAVE A 1/4-12 MAXIMUM CROSS SLOPE; HAVE A 48" MINIMUM WIDTH; HAVE NO VERTICAL OFFSETS GREATER THAN 1/4"; OFFSETS BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NOT EXCEEDING 1V:2H; HAVE NO OPENINGS ALLOWING THE PASSAGE OF A 1/2" DIAMETER SPHERE; ELONGATED OPENINGS SHALL BE PERPENDICULAR TO THE DIRECTION OF TRAVEL; HAVE A MINIMUM 6" HIGH CURB OR GUARDRAIL AT EDGES WHERE THE DROP OFF EXCEEDS 4" EXCEPT WHERE ADJACENT TO VEHICULAR WAYS; BE FREE OF ELEMENTS PROJECTING MORE THAN 4" FROM WALLS BETWEEN 27" AND 80" ABOVE THE WALKING SURFACE; AND HAVE 80" MINIMUM VERTICAL CLEARANCE.

DESIGN PROFESSIONAL IN CHARGE STATEMENT

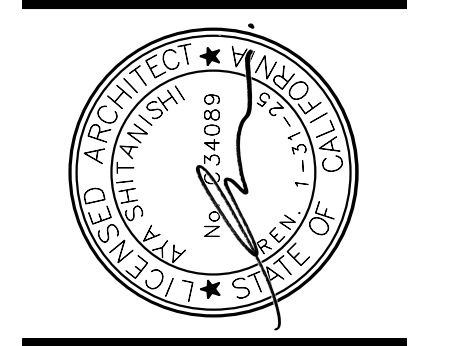
- THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS.
- AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS, OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS.
- ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.
- DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

GENERAL NOTES - SITE PLAN

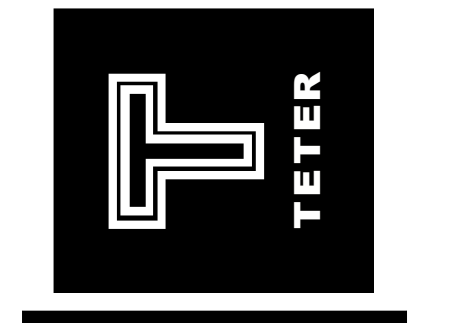
- A. EXISTING UNDERGROUND UTILITIES & IMPROVEMENTS ARE SHOWN IN THEIR APPROX. LOCATIONS BASED UPON RECORD INFO. AVAILABLE TO THE ARCHITECT AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD & NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFO. SHOWN. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST 2 WORKING DAYS IN ADVANCE OF CONSTRUCTION TO FIELD LOCATE UTILITIES. CALL UNDERGROUND SERVICE ALERT (U.S.A.), 1-800-642-2444.

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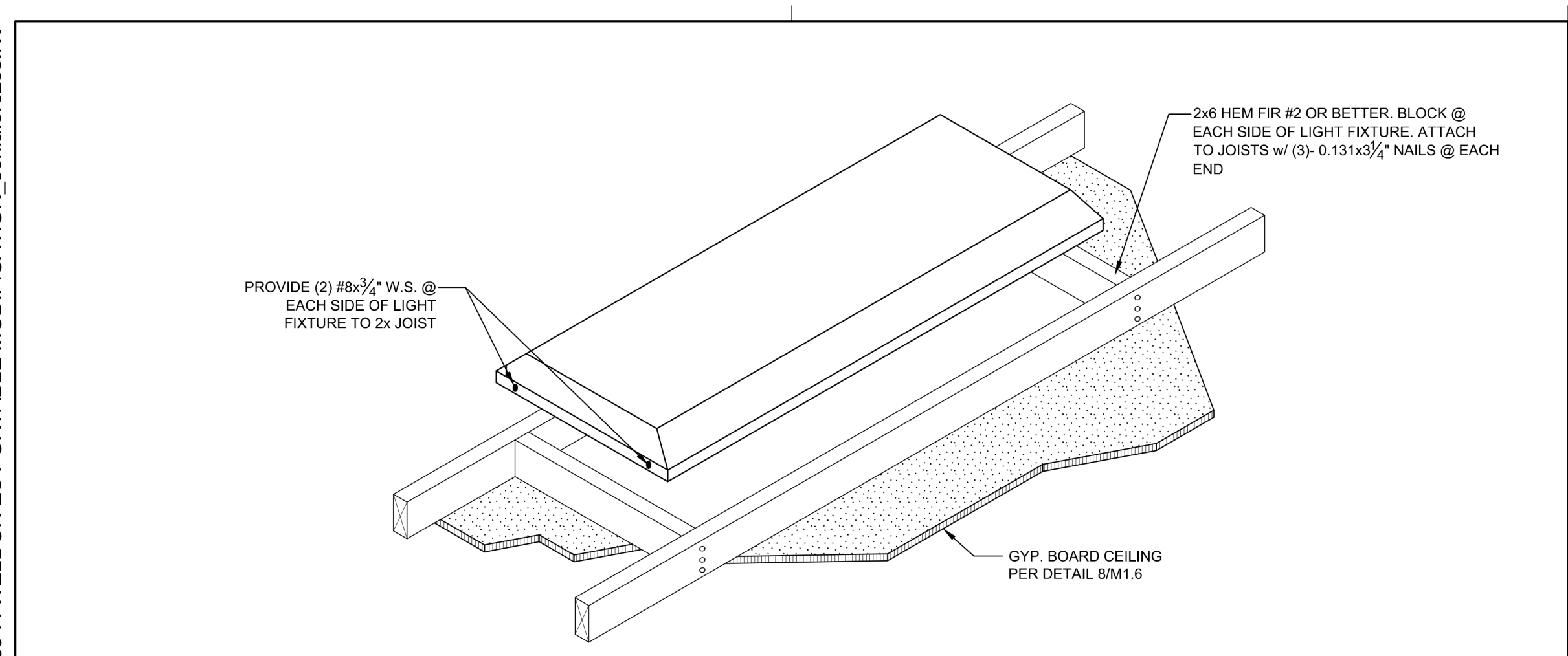
MODULAR MODIFICATION
 WELDON ELEMENTARY
 150 DEWITT AVE.
 CLOVIS, CA
 DRAWING TITLE
 SITE PLAN

PROJECT NO.

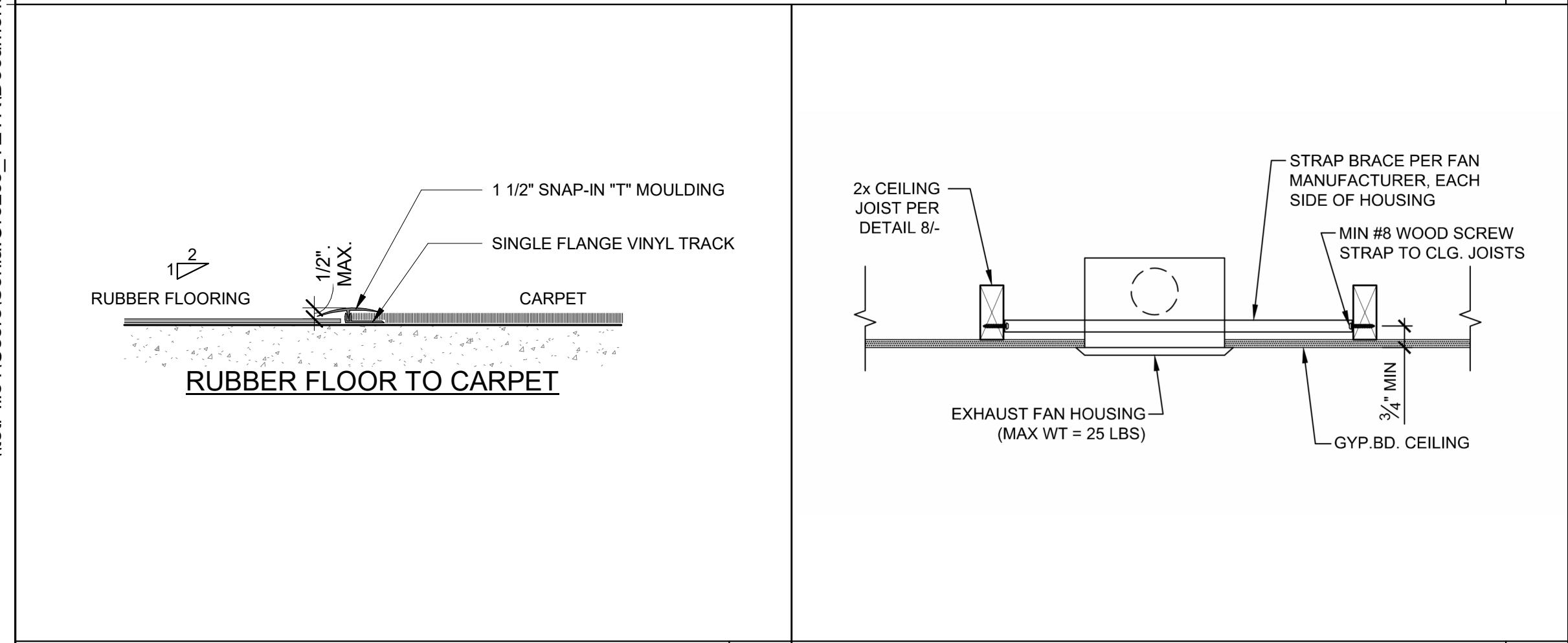
23-12689

DRAWING

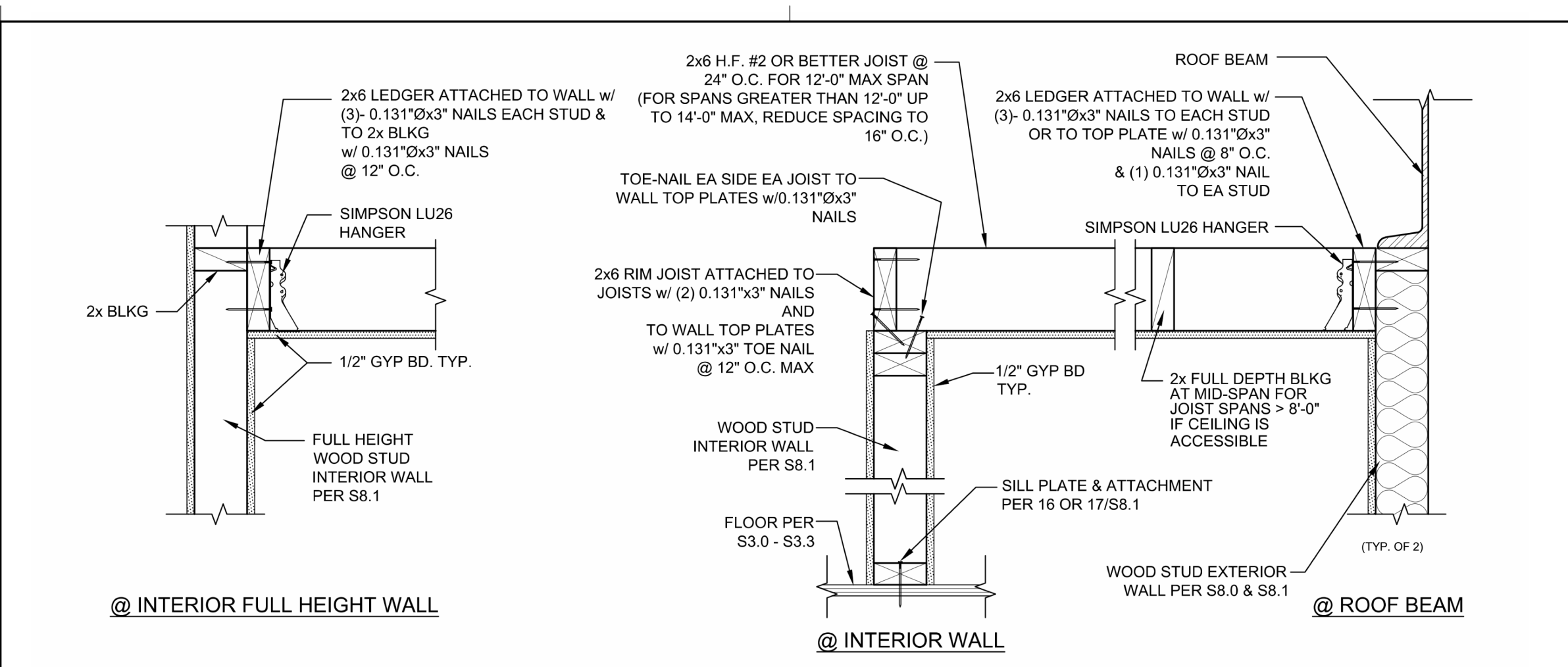
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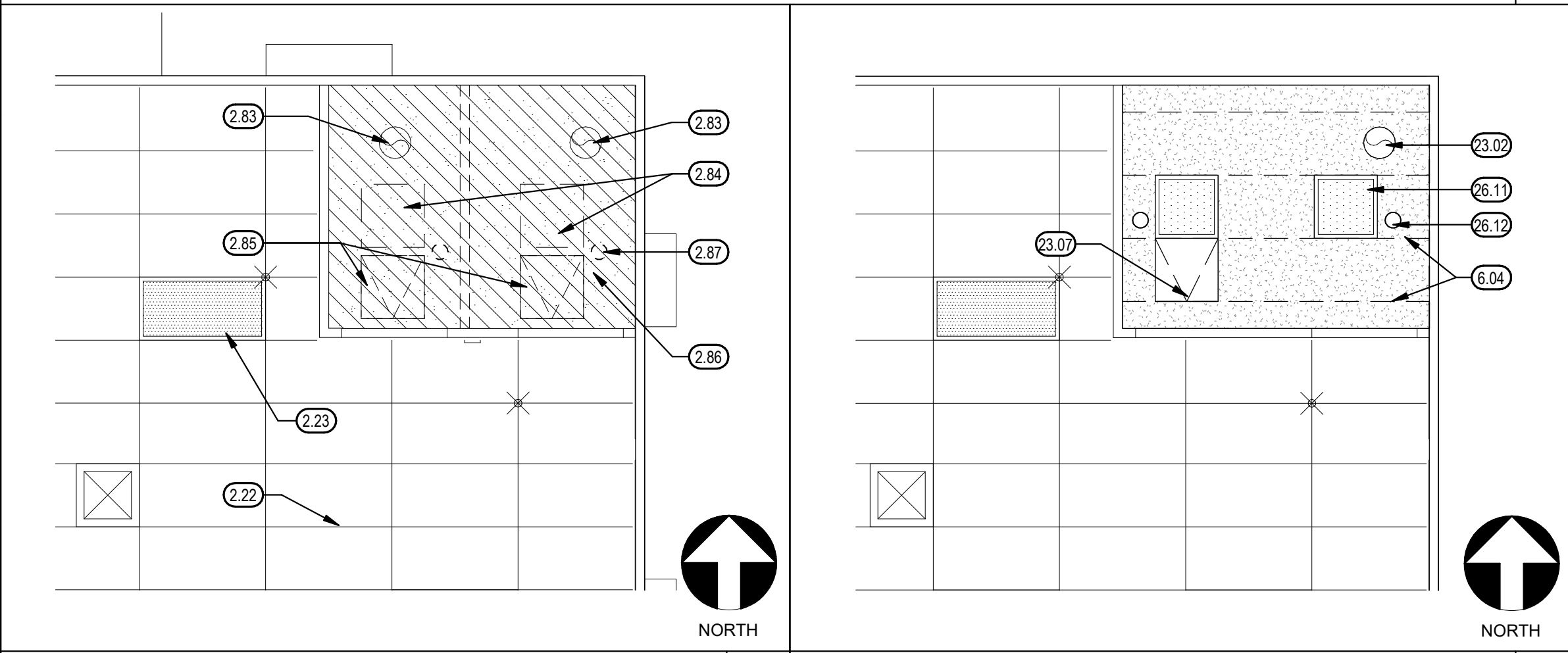
LIGHT FIXTURE ATTACHMENT 1" = 1'-0" 13



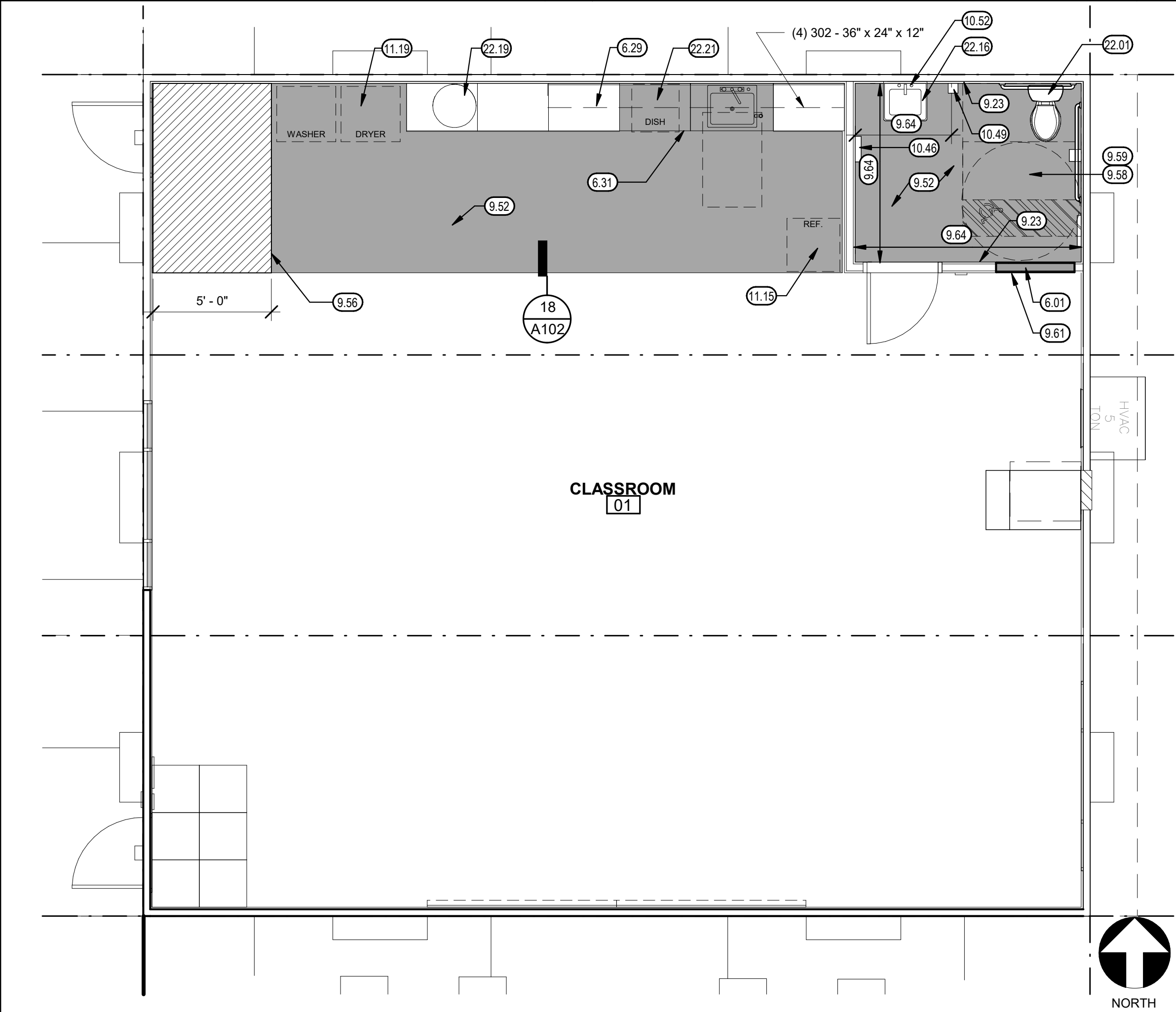
FLOOR TRANSITION 3" = 1'-0" 18



GYP BD CEILING FRAMING 1 1/2" = 1'-0" 5



RESTROOM RCP - DEMO 1/4" = 1'-0" 10



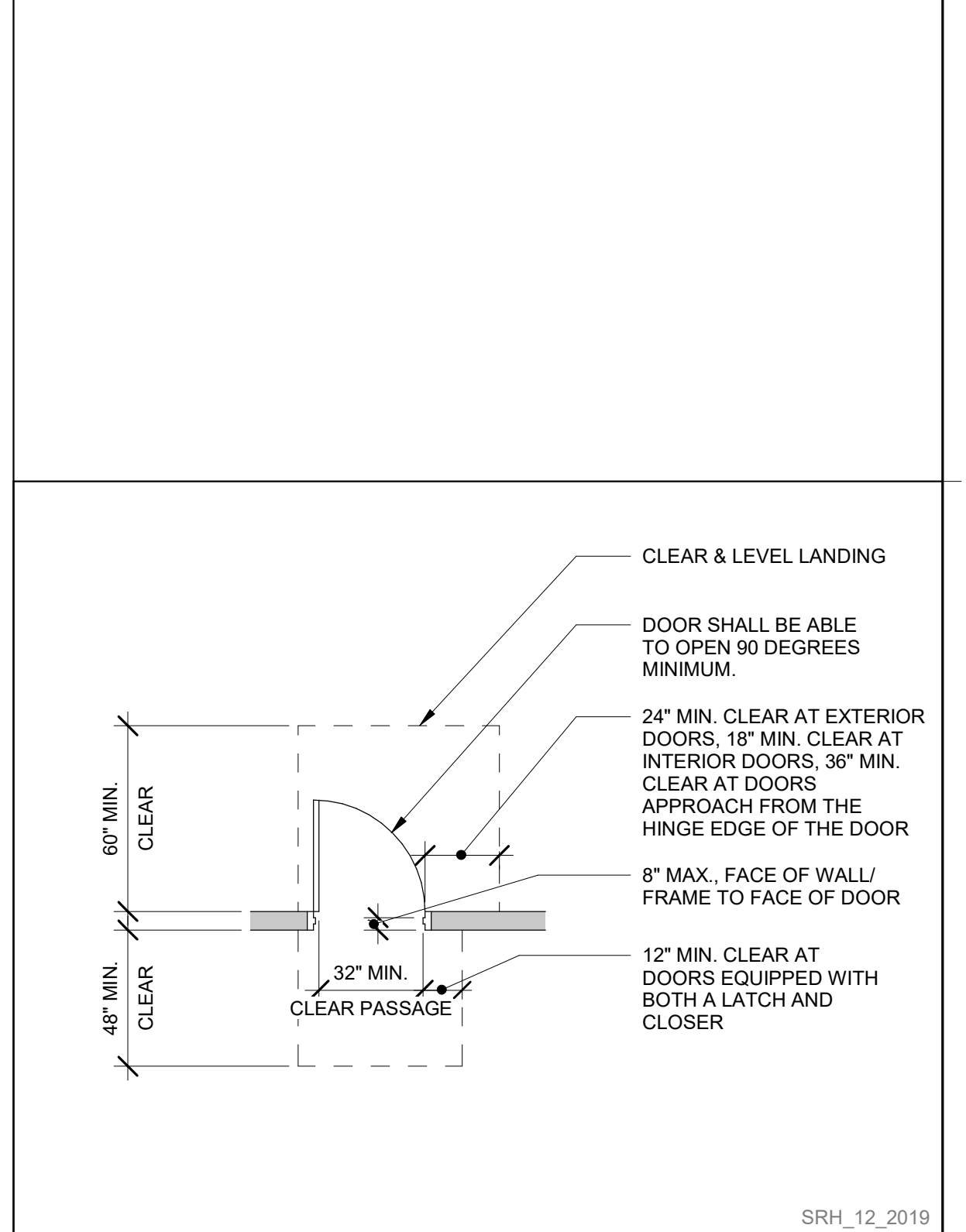
FLOOR PLAN - PROPOSED 1/4" = 1'-0" 16

KEYNOTES 00.00

- 2.11 EXISTING PLUMBING FIXTURE
- 2.12 EXISTING HVAC EQUIPMENT
- 2.16 EXISTING BRACKET MOUNTED FIRE EXTINGUISHER, TO REMAIN
- 2.19 EXISTING SIGNAGE TO REMAIN
- 2.21 EXISTING TOILET ACCESSORIES TO REMAIN
- 2.22 EXISTING SUSPENDED ACOUSTICAL CEILING TO REMAIN
- 2.23 EXISTING LIGHT FIXTURES TO REMAIN
- 2.25 EXISTING FIRE ALARM DEVICE TO REMAIN, PROTECT FROM DAMAGE, TYP.
- 2.53 REMOVE EXISTING DOOR AND DOOR FRAME
- 2.54 REMOVE EXISTING WALL
- 2.56 REMOVE EXISTING PLUMBING FIXTURE. SEE PLUMBING
- 2.58 REMOVE EXISTING PLUMBING FIXTURE FOR INSTALLATION OF NEW FLOORING, SALVAGE FOR REINSTALLATION
- 2.59 REMOVE EXISTING TOILET ACCESSORIES
- 2.61 REMOVE EXISTING FULL HEIGHT FRP
- 2.63 REMOVE PORTION OF EXISTING BASE CABINET FOR INSTALLATION OF NEW DISHWASHER, EXISTING COUNTER TO REMAIN
- 2.78 REMOVE EXISTING FLOORING AND BASE
- 2.83 REMOVE MECHANICAL EXHAUST FAN, SALVAGE ONE (1) & PROTECT FOR REINSTALLATION
- 2.84 REMOVE LIGHT FIXTURE, SALVAGE & PROTECT FOR REINSTALLATION
- 2.85 REMOVE CEILING HATCH SALVAGE AND PROTECT ONE (1) FOR REINSTALLATION
- 2.86 REMOVE CEILING GYP. BD AND FRAMING
- 2.87 REMOVE EXISTING SMOKE DETECTOR, SALVAGE FOR REINSTALLATION (TYP. OF 2)
- 2.88 REMOVE PORTION OF EXISTING GYP. BD. AS REQUIRED FOR INSTALLATION OF NEW LAVATORY
- 6.01 WOOD STUD INFILL FRAMING & FINISH TO MATCH EXISTING FILL STUD CAVITIES WITH ACOUSTIC BATTS
- 6.04 2x6 CEILING JOIST @ 24" O.C. W/ LEDGER ATTACHMENT @ WALL PROVIDE GYP. BD AND PAINT, SEE 5 / A102
- 6.29 UPPER CASEWORK (PLASTIC LAMINATE) TO MATCH EXISTING, SEE 8 / A103
- 6.31 PROVIDE CABINET FACE TRIM TO MATCH EXISTING
- 9.23 GYPSUM BOARD, PATCH TO MATCH EXISTING
- 9.52 RUBBER FLOORING AND 4" TOPSET BASE (TYP.) PROVIDE RUBBER TRANSITION TO CARPET FLOORING SHALL BE MONDO HARMONI, COLOR TO MATCH EXISTING
- 9.56 WALK-OFF CARPET O.F.C.I. TANDUS ABRASIVE ACTION, CHARCOAL COLOR, TO MATCH EXISTING
- 9.58 RUBBER FLOORING WITH 6" COVE BASE
- 9.59 PATCH FLOOR SUBSTRATE FLUSH WITH ADJACENT SURFACE, WHERE EXISTING WATER CLOSET HAS BEEN REMOVED
- 9.61 FULL HEIGHT TACKABLE WALL PANELS OVER GYP BD, MATCH EXISTING
- 9.64 FULL HEIGHT FRP. COLOR AND FINISH TO MATCH. EXISTING SUBSTRATE TO REMAIN
- 10.46 PAPER TOWEL DISPENSER, O.F.O.I.
- 10.49 SOAP DISPENSER O.F.O.I. WALL MOUNTED
- 10.52 MIRROR, 18 x 24
- 11.15 REFRIGERATOR, O.F.O.I.
- 11.19 WASHER AND DRYER, O.F.O.I.
- 22.01 REINSTALL EXISTING PLUMBING FIXTURE
- 22.16 NEW ACCESSIBLE PLUMBING FIXTURE
- 22.19 WATER HEATER, SEE MECHANICAL
- 22.21 DISHWASHER, C.F.C.I.-LG BRAND, 24" FRONT CONTROL 49dba, STAINLESS STEEL, 32-1/16" HEIGHT, MODEL ADPD5448AT OR APPROVED EQUAL
- 23.02 REINSTALL EXHAUST FAN, SEE MECHANICAL AND 14 / A102
- 23.07 REINSTALL EXISTING ACCESS HATCH
- 26.11 REINSTALL EXISTING LIGHT FIXTURE (TYP. OF 2), SEE 13 / A102
- 26.12 REINSTALL EXISTING SMOKE DETECTOR (TYP. OF 2)

GENERAL NOTES - FLOOR PLAN

- A. FOR TYP. INFO, REGARDING ACCESSIBLE CLEARANCES, AND FIXTURE MOUNTING HEIGHTS, SEE SHEET A103
- B. INTERIOR EXPOSED CONDUIT SHALL BE PAINTED, COLOR TO BE SELECTED BY ARCHITECT



ACCESS. CLEARANCE AT DOORS 1/4" = 1'-0" 4

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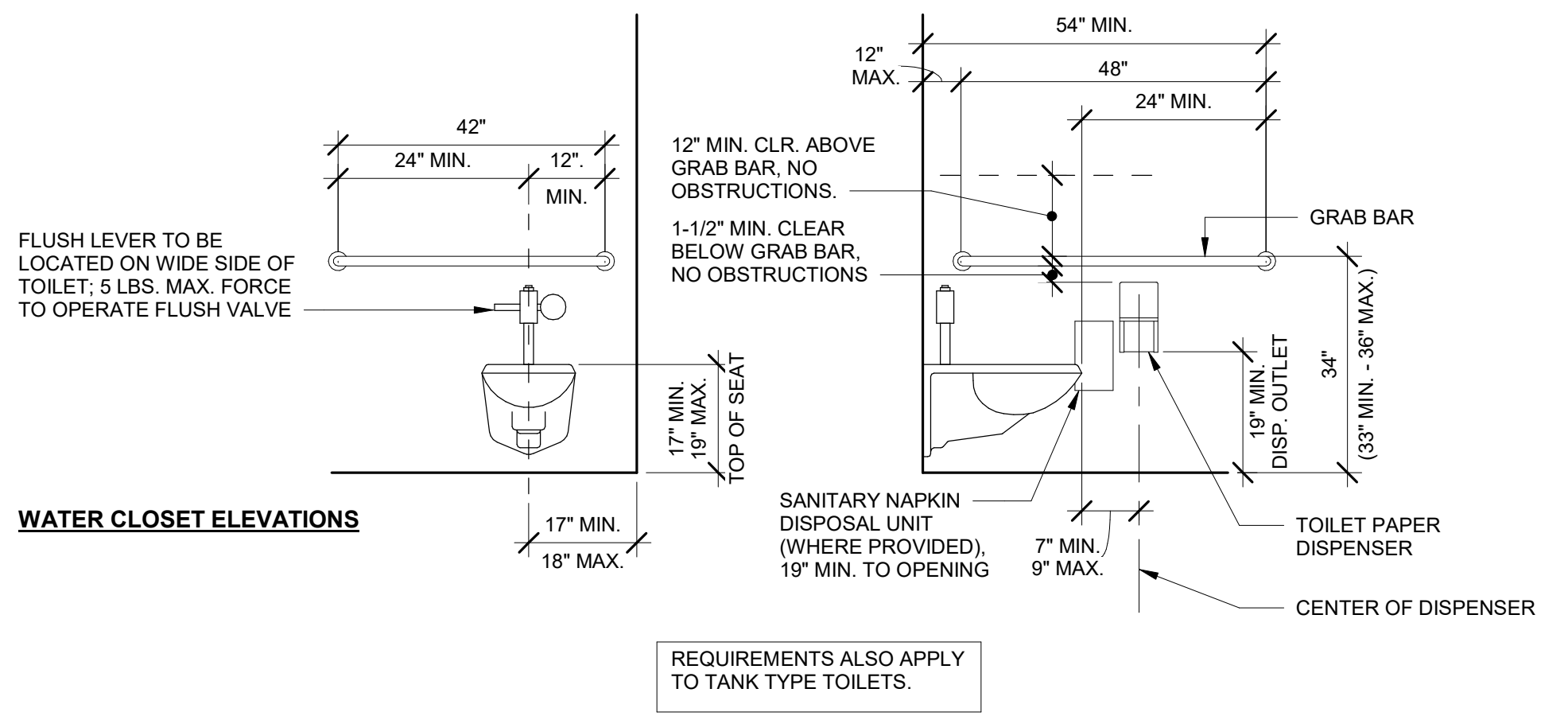
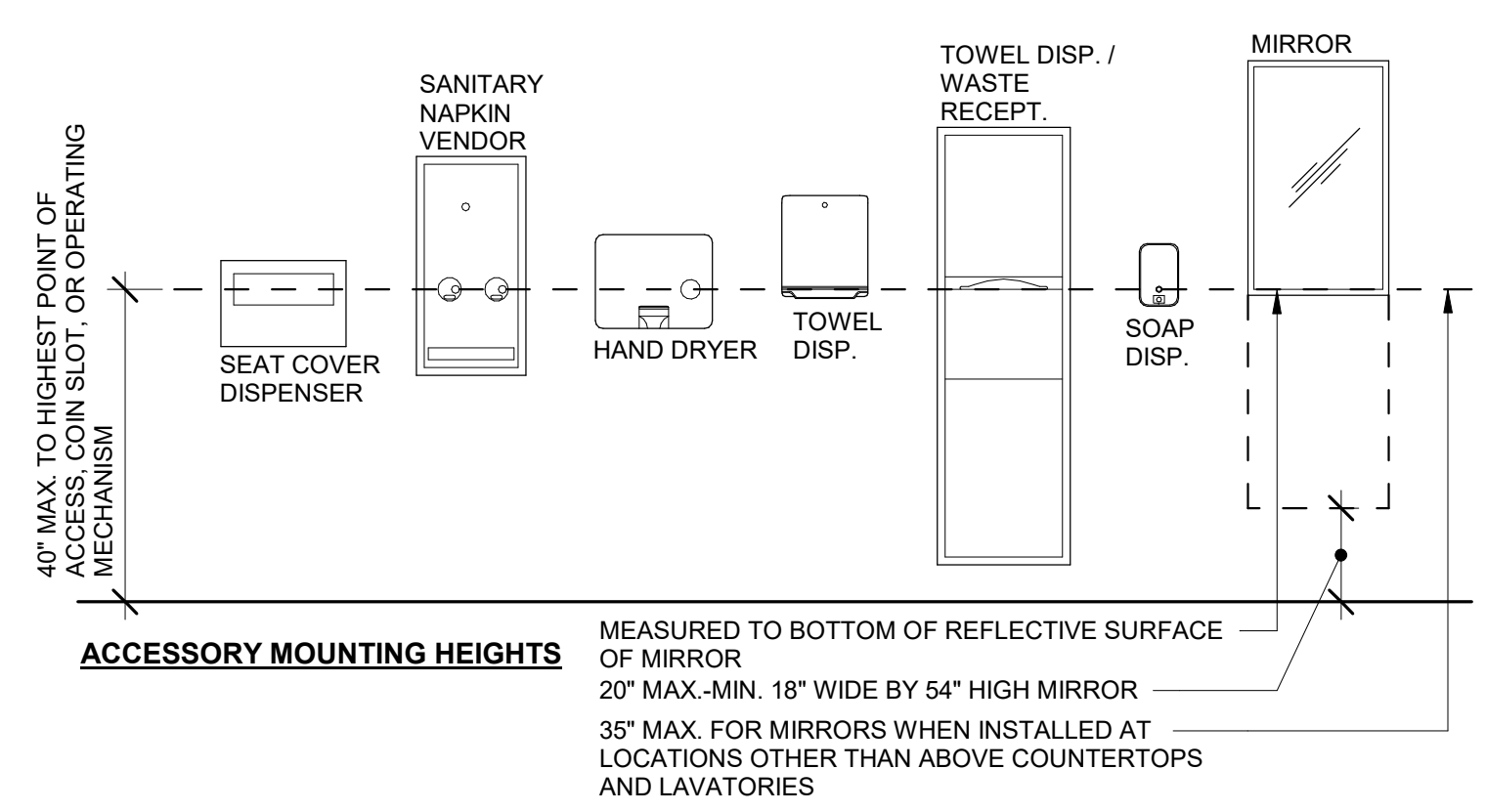
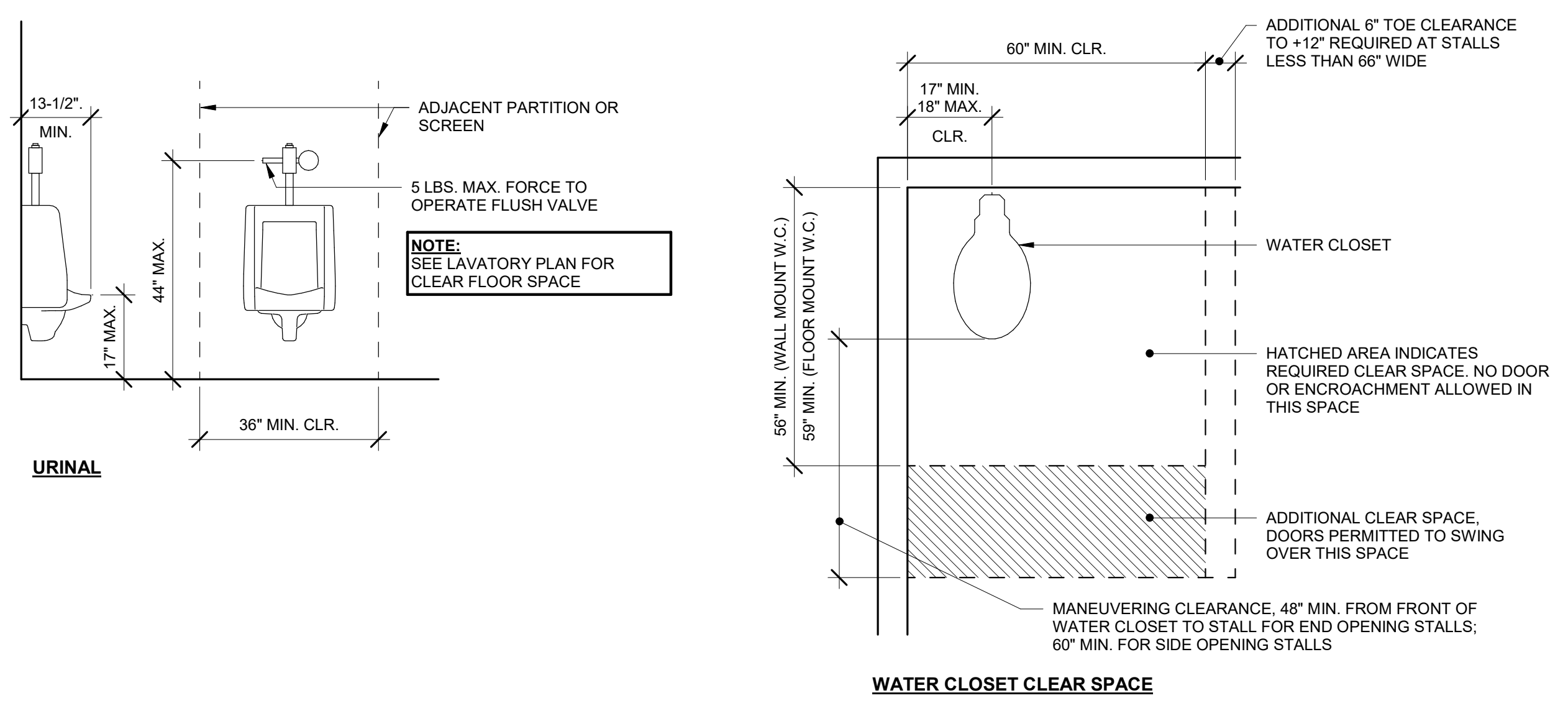
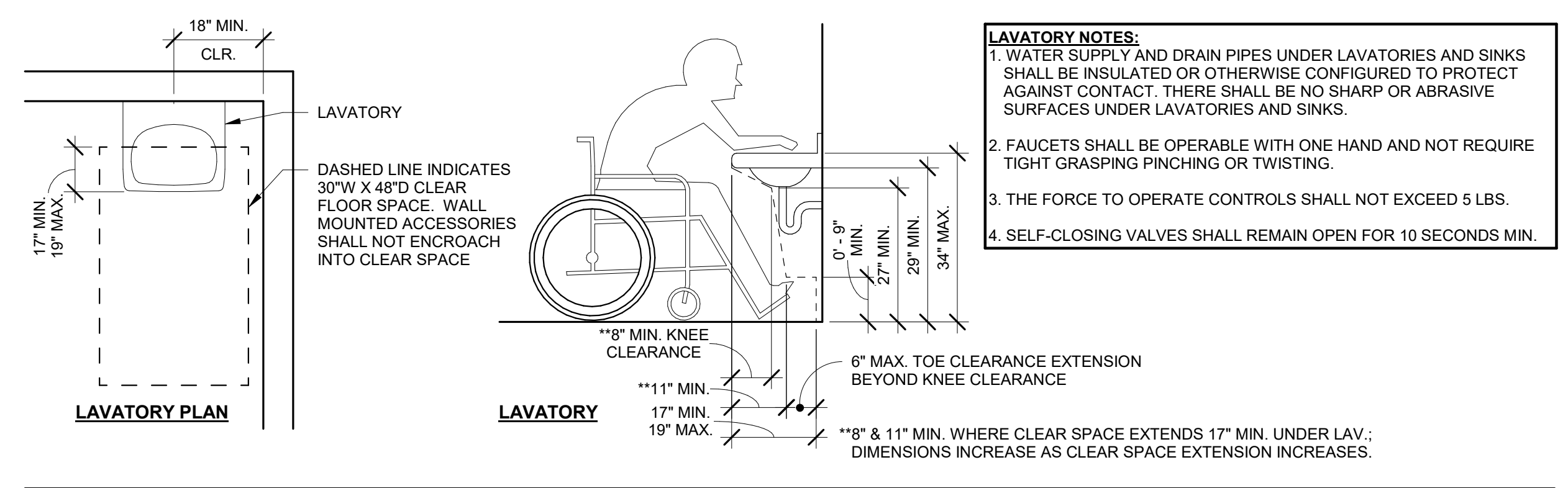
MODULAR MODIFICATION
WELDON ELEMENTARY
 150 DEWITT AVE.
 CLOVIS, CA

DRAWING TITLE
FLOOR PLAN, REFLECTED CEILING PLAN, & DETAILS

PROJECT NO.
 23-12689

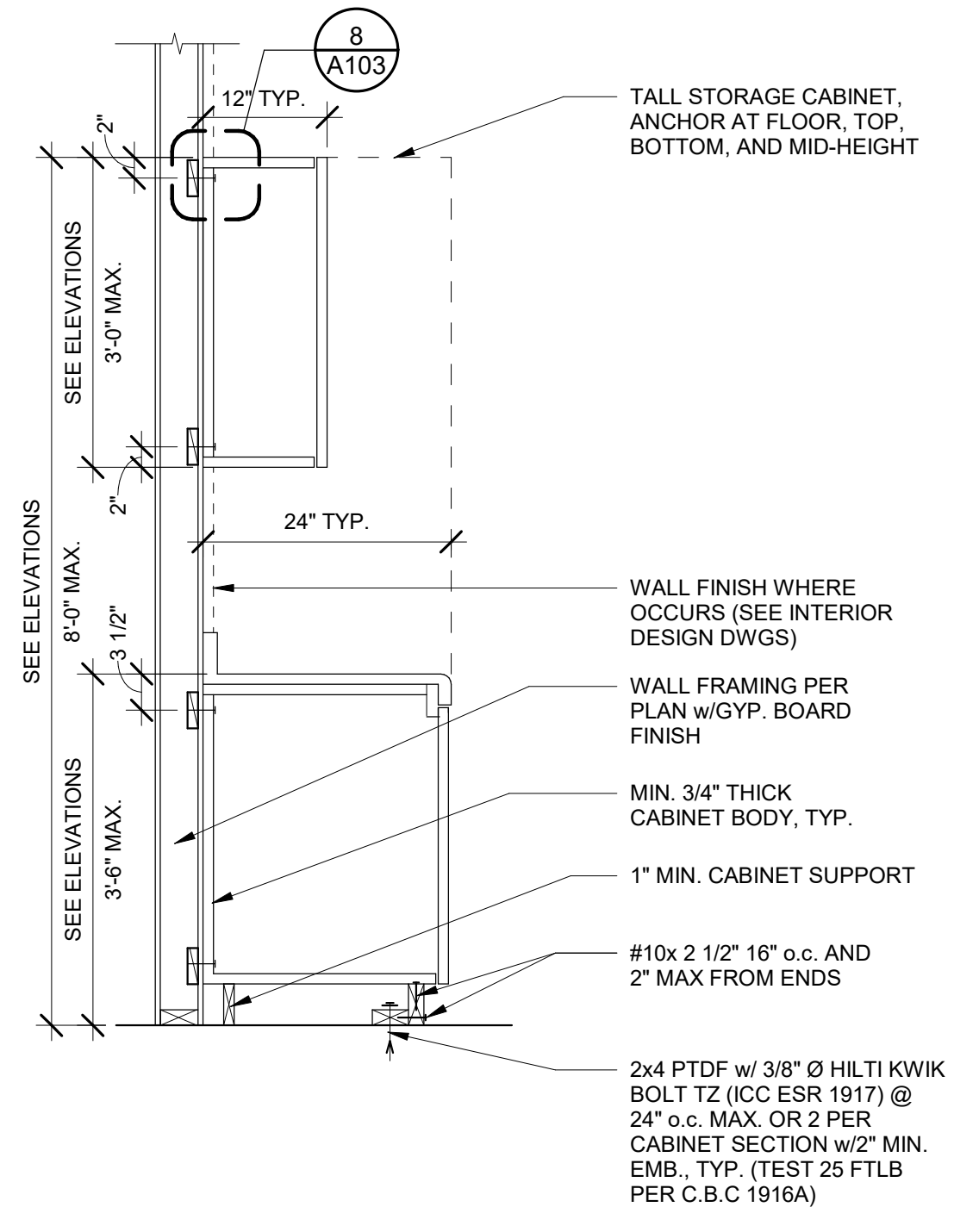
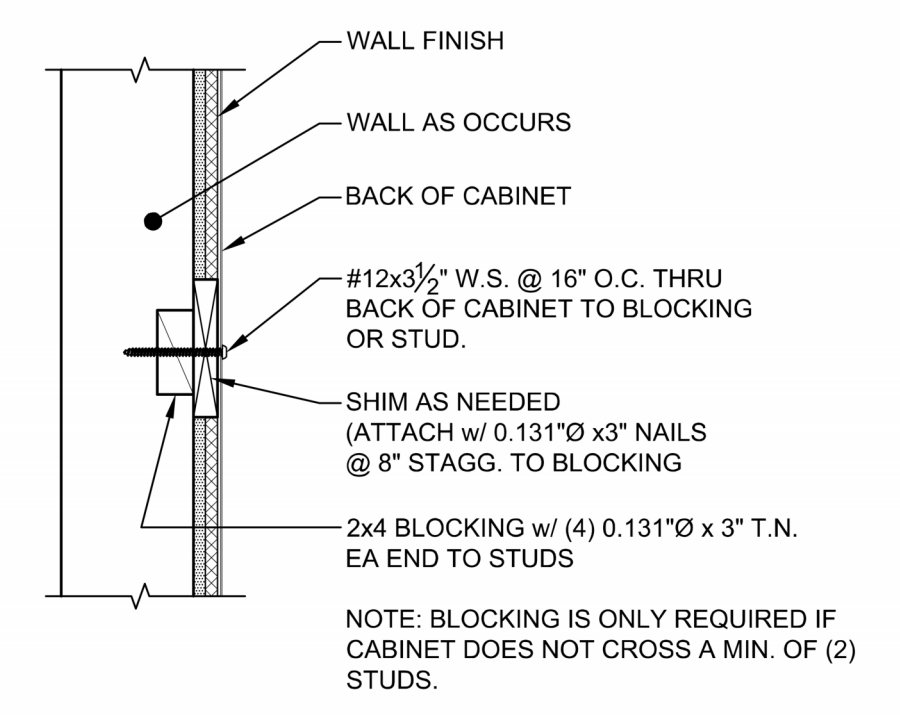
DRAWING
A102

SRH_12_2019



ACCESSIBLE FIXTURE & ACCESSORY MOUNTING HEIGHTS & CLEARANCES

SRH_12_2019
 1/2" = 1'-0" 2



CABINET ATTACHMENT

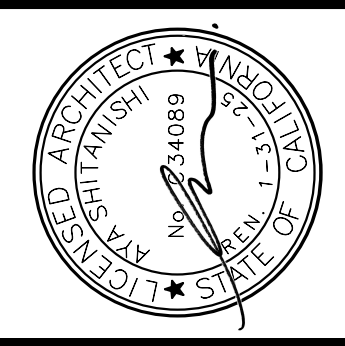
SCALE: 1-1/2" = 1'-0"

N.T.S. 8 CASEWORK ANCHORAGE

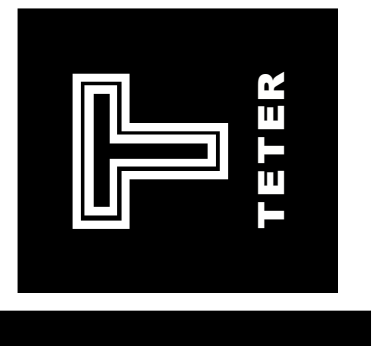
3/4" = 1'-0" 4

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MODULAR MODIFICATION
WELDON ELEMENTARY
 150 DEWITT AVE.
 CLOVIS, CA
 DRAWING TITLE
 DETAILS

PROJECT NO.
 23-12689

DRAWING
A103

PLUMBING SCHEDULE

PLUMBING FIXTURE SCHEDULE						
MARK	FIXTURE	S OR W	V	CW	HW	DESCRIPTION
L-1	LAVATORY ADA	2"	1-1/2"	1/2"	----	KOHLER K-2005-0, KINGSTON WALL-HUNG, 20"x18" VITREOUS CHINA WITH BACKSLASH & WALL BRACKET, 4" CENTER FAUCET HOLES, CHICAGO 3400-ABCP VANDAL PROOF METERING FAUCET WITH PUSH KNOB HANDLE AND 0.5 GPM VANDAL PROOF AERATOR, ADJUST FAUCET CYCLE TIME FOR 10 SECONDS, MCGUIRE 155WC OFFSET GRID DRAIN, AND JAY R. SMITH 723 SUPPORT CARRIER CONCEALED ARMS. SEE ARCHITECTURAL DRAWINGS FOR ACCESSIBLE MOUNTING HEIGHTS.
WMB-1	WASHING MACHINE BOX	2"	1-1/2"	3/4"	3/4"	GUY GRAY T2007PCPVCHA, RECESSED METAL CLOTHES WASHER SUPPLY BOX WITH WHITE FINISH, INTEGRAL CW AND HW SUPPLY HOSE BIBBS WITH HAMMER ARRESTORS, AND 2" DIAMETER DRAIN OUTLET.
WH-1	WATER HEATER	----	----	3/4"	3/4"	A.O. SMITH ECJ-30 PROMAX RESIDENTIAL ELECTRIC, 30 GALLON STORAGE CAPACITY, GLASS LINED TANK, 4,500 WATTS, 240V/1PH, 20 GPH RECOVERY RATE AT 90°F TEMPERATURE RISE, AND 3/4" P&T RELIEF VALVE. DIMENSIONS: 22" DIAMETER x 30" HEIGHT. OPERATING WEIGHT: 280 LBS.

MECHANICAL & PLUMBING SHEET INDEX

- MP001 MECHANICAL & PLUMBING SCHEDULE, LEGEND, AND NOTES
- MP002 MECHANICAL & PLUMBING SPECIFICATIONS
- MP200 MECHANICAL & PLUMBING FLOOR PLANS
- MP800 MECHANICAL & PLUMBING DETAILS

ANCHORAGE & BRACING NOTES

MEP COMPONENT ANCHORAGE NOTE

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

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 THE AHJ. 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 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED 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.

GENERAL NOTES

- COORDINATION OF WORK: LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS IS GENERALLY DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY. THE ACTUAL LOCATION OF ALL MATERIALS, PIPING, DUCTWORK, FIXTURES, EQUIPMENT, SUPPORTS, ETC. SHALL BE CAREFULLY PLANNED, PRIOR TO INSTALLATION OF ANY WORK TO AVOID ALL INTERFERENCES WITH EACH OTHER, OR WITH STRUCTURAL, ELECTRICAL, ARCHITECTURAL OR OTHER ELEMENTS.
- 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 THE INSTALLATION OF ANY WORK OR THE ORDERING OF ANY EQUIPMENT. ALL DRAWINGS AND SPECIFICATIONS ARE TO BE CONSIDERED PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS PRIOR TO ANY CONSTRUCTION, INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENT SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR THE OWNER REPRESENTATIVE. MINIMUM SLOPE FOR SEWER IS 1/4" PER FT, UNLESS OTHERWISE NOTED.
- ALL ROOF PENETRATIONS SHALL BE COMPATIBLE WITH ROOF SYSTEM WITH AS FEW PENETRATIONS AS POSSIBLE. MINIMUM DOMESTIC WATER PIPE SIZE TO BE 3/4" UNLESS OTHERWISE NOTED. USE A REDUCING ELL AT FIXTURE, IF NECESSARY.
- ALL PLUMBING FIXTURES, VALVES, FAUCETS, FIXTURE STOPS, ETC. WHICH PROVIDE WATER FOR HUMAN CONSUMPTION MUST MEET THE "LEAD FREE" REQUIREMENT FOR THE STATE OF CALIFORNIA. MAXIMUM ALLOWABLE DISTANCE FOR HOT WATER LATERALS TO FIXTURES OFF OF THE CIRCULATING MAIN SHALL BE 10'-0" FOR HAND WASH SINKS AND LAVS, AND 15'-0" FOR OTHER SINKS.

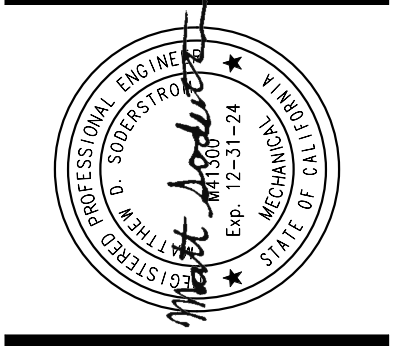
MECHANICAL & PLUMBING LEGEND

SYMBOL	ITEM	ABBR.
—	ABOVE	ABV
—	ABOVE CEILING	ABV CLG
—	ABOVE FINISHED FLOOR	AFF
—	ALTERNATE	ALT
&	AND	
—	ARCHITECT / ARCHITECTURAL	ARCH
@	AT	
—	BELOW FLOOR	BEL FLR
—	BELOW GRADE	BEL GR
—	CALIFORNIA MECHANICAL CODE	CMC
—	CALIFORNIA PLUMBING CODE	CPC
—	CEILING	CLG
Q	CENTER LINE	
∩	CONTINUATION	CONT
—	CUBIC FEET PER HOUR	CFH
∅	DIAMETER	DIA
—	DOWN	DN
—	DRAWING	DWG
—	ELBOW	ELL
—	ELECTRICAL	ELEC
—	EXISTING	(E)
—	FEET	FT
—	FLOOR	FLR
—	FLOW LINE	FL
—	GALLON	GAL
—	GALLONS PER HOUR	GPH
—	GALLONS PER MINUTE	GPM
—	GAUGE	GA
—	INSIDE DIAMETER	ID
—	INVERT ELEVATION	I.E.
—	MAXIMUM	MAX
—	MINIMUM	MIN
—	NEW	(N)
—	NOT IN CONTRACT	NIC
—	NOT TO SCALE	NTS
#	NUMBER	NO.
—	OUTSIDE DIAMETER	OD
—	POUNDS	LBS
—	POUNDS PER SQUARE INCH	PSI
—	POUNDS PER SQUARE INCH ABSOLUTE	PSIA
—	POUNDS PER SQUARE INCH GAUGE	PSIG
—	POLYVINYL CHLORIDE	PVC
—	ROOM	RM
—	SPECIFICATION	SPEC
—	SQUARE FEET	SQ FT
—	STAINLESS STEEL	SS
—	TEMPERATURE	TEMP
—	THROUGH	THRU
—	TYPICAL	(TYP)
—	UNDER GROUND	U/G
—	WATER COLUMN	WC
—	WITH	W/
—	WITHOUT	W/O
— A —	COMPRESSED AIR	A
— AV —	ACID VENT	AV
— AW —	ACID WASTE	AW
— O —	ACID VENT RISER	AVR
— O —	ACID VENT THRU ROOF	AVTR
— CD —	CONDENSATE DRAIN	CD
— — — — —	DOMESTIC COLD WATER	CW
— — — — —	DOMESTIC HOT WATER	HW
— — — — —	DOMESTIC HOT WATER RETURN	HWR
— G —	LOW PRESSURE NATURAL GAS	G
— HPG —	HIGH PRESSURE GAS	HPG
— ICW —	INDUSTRIAL COLD WATER	ICW
— LPG —	LIQUIFIED PETROLEUM GAS	LPG
— F —	FIRE PROTECTION LINE	

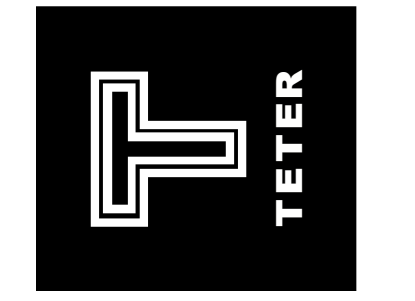
SYMBOL	ITEM	ABBR.
— RWL —	RAIN WATER LEADER	RWL
— OD —	OVERFLOW DRAIN	OD
— SD —	STORM DRAIN	SD
— — — — —	SOIL or WASTE	S or W
— MA —	MEDICAL AIR	MA
— O ₂ —	OXYGEN	O ₂
— VAC —	VACUUM	VAC
— — — — —	VENT	V
— O —	VENT RISER	VR
— O —	VENT THRU ROOF	VTR
— O —	CLEANOUT TO GRADE	COTG
#####	DEMOLITION	DEMO
— — — — —	EXISTING PIPING	
— O —	FLOOR CLEANOUT	FCO
— I —	HOSE BIBB	
— O —	PIPING TURN UP	
— O —	PIPING TURN DOWN	
— I —	PIPING CAP	
— X —	POINT OF CONNECTION TO EXISTING	POC
— I —	SUPPLY AIR DUCT DROP	
— I —	SUPPLY AIR DUCT RISE	
— I —	RETURN AIR DUCT DROP	
— I —	RETURN AIR DUCT RISE	
— I —	EXHAUST AIR DUCT DROP	
— I —	EXHAUST AIR DUCT RISE	
— I —	ANGLE VALVE	
— I —	BALANCE VALVE	
— I —	BALL VALVE	
— I —	CHECK VALVE	
— I —	CONCENTRIC REDUCER	
— I —	TWO-WAY CONTROL VALVE	
— I —	PLUG VALVE	
— I —	PRESSURE REDUCING VALVE	
— I —	SHUT-OFF VALVE IN BOX	SOV
— I —	SHUT-OFF VALVE	SOV
— I —	THERMOSTATIC MIXING VALVE	
— I —	TEMPERATURE / PRESSURE RELIEF VALVE	PRV
— I —	UNION	
— I —	WALL CLEANOUT	WCO
— I —	"Y" TYPE STRAINER	
— P —	PRESSURE GAUGE	
— T —	TEMPERATURE GAUGE	
— 1 —	KEYNOTE	
— 2 —	DETAIL REFERENCE EXAMPLE: DETAIL 2, SHEET P202	
— 3 —	SECTION REFERENCE EXAMPLE: SECTION 3, SHEET P400	

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ARCHITECTS ENGINEERS CONNECTED



**MODULAR MODIFICATION
 WELDON ELEMENTARY
 150 DEWITT AVE.
 CLOVIS, CA**
 DRAWING TITLE
**MECHANICAL & PLUMBING SCHEDULE, LEGEND, AND
 NOTES**

PROJECT NO.
23-12689
 DRAWING
MP001

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PLUMBING SPECIFICATIONS

SECTION 220000
PLUMBING

GENERAL MECHANICAL SPECIFICATIONS:
CONTRACTOR SHALL PROVIDE A COMPLETE WORKING SYSTEM AND SHALL INCLUDE ALL ACCESSORIES, PARTS, MATERIALS AND LABOR REQUIRED TO MEET PERFORMANCE, CAPACITY, AND QUALITY REQUIREMENTS OF CONTRACT DOCUMENTS.

- CODES AND REGULATIONS:** ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING CODES AS ADOPTED AND AMENDED BY THE AUTHORITY HAVING JURISDICTION. NOTHING IN THESE DRAWINGS OR SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.
 - A. CALIFORNIA BUILDING CODE
 - B. CALIFORNIA MECHANICAL CODE
 - C. CALIFORNIA PLUMBING CODE
 - D. CALIFORNIA CODE OF REGULATIONS, TITLE 8, INDUSTRIAL RELATIONS
 - E. CALIFORNIA CODE OF REGULATIONS, TITLE 24, BUILDING STANDARDS
 - F. LOCAL CODES
- PERMITS, INSPECTIONS AND SERVICE CONNECTION CHARGES:** OBTAIN ALL PERMITS REQUIRED FOR PERFORMING WORK AND PAY ALL RELATED FEES. PAY ALL CHARGES FOR SERVICE CONNECTIONS, METERS, ETC. BY UTILITY COMPANIES OR DISTRICTS. CALL FOR ALL REQUIRED INSPECTIONS AND PAY ALL RELATED FEES.
- WORK BY OTHERS:** UNLESS OTHERWISE NOTED, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL POWER WIRING, MOTOR STARTERS IN MOTOR CONTROL CENTERS, DISCONNECTS, CONTROL WIRING AND CONDUIT AND INSTALLATION OF CONTROL DEVICES.
- GUARANTEE:** THE CONTRACTOR SHALL REPAIR ANY DEFECTS DUE TO FAULTY MATERIALS OR WORKMANSHIP AND PAY FOR ANY DAMAGE TO OTHER WORK RESULTING THEREFROM WHICH APPEARS WITHIN A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE OF WORK.
- OPERATING AND MAINTENANCE INSTRUCTIONS:** TWO COPIES OF ALL EQUIPMENT OPERATION AND MAINTENANCE INSTRUCTIONS AND WIRING DIAGRAMS SHALL BE FURNISHED TO THE OWNER, THROUGH THE ENGINEER.
- MATERIALS, EQUIPMENT AND INSTALLATION:** EACH ITEM REFERRED TO ON THE DRAWINGS AND IN THE SPECIFICATIONS REPRESENTS THE STANDARD OF QUALITY DESIRED FOR MATERIALS, EQUIPMENT AND INSTALLATION. ALL SUBSTITUTIONS MUST BE SUBMITTED TO AND REVIEWED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE A RESUBMITTAL IF REQUESTED BY THE ENGINEER. ENGINEER WILL REVIEW EACH SUBMITTAL FOR PRODUCTS SCHEDULED ON THE DRAWINGS. IF MORE THAN ONE RESUBMITTAL IS REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BEAR THE COST OF THE ENGINEERS REVIEW ON A TIME AND MATERIAL BASIS. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND FREE FROM DEFECTS. ALL INSTALLATIONS SHALL BE AS RECOMMENDED BY THE MANUFACTURER AND AS SHOWN ON DRAWINGS.
- EXCAVATION AND BACKFILL:**
 - A. **GENERAL:** UNLESS OTHERWISE NOTED, MINIMUM EARTH COVER ABOVE TOP OF PIPE OR TUBING OUTSIDE BUILDING WALLS SHALL BE 24" NOT INCLUDING BASE AND PAVING IN PAVED AREAS. BARREL OF PIPE SHALL HAVE UNIFORM SUPPORT ON SAND BED. SAND SHALL BE FREE FROM CLAY OR ORGANIC MATERIAL, SUITABLE FOR THE PURPOSE INTENDED AND SHALL BE OF SUCH SIZE THAT 90 PERCENT TO 100 PERCENT WILL PASS A NO. 4 SIEVE AND NOT MORE THAN 5 PERCENT WILL PASS A NO. 200 SIEVE.
 - B. **EXCAVATION:** WIDTH OF TRENCHES AT TOP OF PIPE SHALL BE MINIMUM OF 16", PLUS THE OUTSIDE DIAMETER OF THE PIPE. PROVIDE ALL SHORING REQUIRED BY SITE CONDITIONS. WHERE OVER EXCAVATION OCCURS, PROVIDE COMPACTED SAND BACKFILL TO PIPE BOTTOM. WHERE GROUNDWATER IS ENCOUNTERED, REMOVE TO KEEP EXCAVATION DRY, USING WELL POINTS AND PUMPS AS REQUIRED.
 - C. **BACKFILL:**
 - (1) **6" BELOW AROUND AND TO 12" ABOVE PIPE:** MATERIAL SHALL BE SAND. PLACE CAREFULLY AROUND AND ON TOP OF PIPE, TAKING CARE NOT TO DISTURB PIPING, CONSOLIDATE WITH VIBRATOR.
 - (2) **ONE FOOT ABOVE PIPE TO GRADE:** MATERIAL SHALL BE SANDY OR SILTY LOAM, FREE OF LUMPS, LAID IN 6" LAYERS, UNIFORMLY MIXED TO PROPER MOISTURE AND COMPACTED TO REQUIRED DENSITY. IF BACKFILL IS DETERMINED TO BE SUITABLE AND REQUIRED COMPACTION IS DEMONSTRATED BY LABORATORY TEST, WATER COMPACTION IN 6" LAYERS MAY BE USED, SUBJECT TO REVIEW BY ENGINEER.
 - D. **COMPACTION:** COMPACT TO DENSITY OF 95% WITHIN BUILDING AND UNDER WALKWAYS, DRIVEWAYS, TRAFFIC AREAS, PAVED AREAS, ETC. AND TO 90% ELSEWHERE. DEMONSTRATE PROPER COMPACTION BY TESTING AT TOP, BOTTOM AND ONE-HALF OF THE TRENCH DEPTH. PERFORM THESE TESTS AT THREE LOCATIONS PER 100' OF TRENCH.
- PIPES PASSING THROUGH FIRE RATED SURFACES:** PIPES PASSING THROUGH FIRE RATED WALLS, FLOORS, CEILING, PARTITIONS, ETC. SHALL HAVE THE ANNULAR SPACE SURROUNDING THE PIPE OR PIPE INSULATION SEALED WITH FIRE RATED MATERIALS IN ACCORDANCE WITH THE REQUIREMENTS OF THE FIRE AUTHORITY HAVING JURISDICTION.

PLUMBING SPECIFICATIONS:

- GENERAL:** ALL GENERAL MECHANICAL SPECIFICATIONS APPLY TO THIS SECTION.
- SCOPE:** PROVIDE ALL LABOR, MATERIALS AND SERVICES NECESSARY FOR COMPLETE, LAWFUL AND OPERATING SYSTEMS AS SHOWN OR NOTED ON THE DRAWINGS OR AS SPECIFIED HERE. THE WORK INCLUDES, BUT IS NOT NECESSARILY LIMITED TO, THE FOLLOWING:
 - A. SANITARY SEWER SYSTEM
 - B. DOMESTIC WATER SYSTEM
 - C. ALL EQUIPMENT AS SHOWN OR NOTED ON THE DRAWINGS OR AS SPECIFIED
- LAYOUT:** ROUTE PIPING TO AVOID CUTTING STRUCTURAL MEMBERS. WHERE CUTTING OR NOTCHING IS REQUIRED, THE STRUCTURAL MEMBER SHALL BE REINFORCED IN ACCORDANCE WITH THE UNIFORM BUILDING CODE. NOTIFY ARCHITECT PRIOR TO ANY CUTTING OR DRILLING OF STRUCTURAL MEMBERS. PIPING SHALL BE CONCEALED IN WALLS, ABOVE CEILING OR BELOW GRADE UNLESS OTHERWISE NOTED. PIPING SHALL BE INSTALLED TO ENSURE UNRESTRICTED FLOW, ELIMINATE AIR POCKETS, PREVENT UNUSUAL NOISE AND PERMIT COMPLETE DRAINAGE OF THE SYSTEM. ALL PIPING SHALL BE INSTALLED TO PERMIT EXPANSION AND CONTRACTION WITHOUT STRAIN ON PIPING OR EQUIPMENT. VERTICAL LINES SHALL BE INSTALLED TO ALLOW BUILDING SETTLEMENT WITHOUT DAMAGE TO PIPING. PROVIDE INDIVIDUAL SHUT OFF VALVES AT EACH FIXTURE AND EQUIPMENT ITEM AND AS INDICATED ON THE DRAWINGS. PROVIDE SECONDARY DRAIN PIPING WHERE REQUIRED.
- PIPING MATERIALS:**
 - A. DOMESTIC WATER - HARD TEMPER SEAMLESS COPPER, ASTM B88, WROUGHT COPPER FITTINGS, ANSI B16.22, TYPE L WITH BRAZED JOINTS (1100F. MIN), 1-1/2" AND SMALLER ABOVE GRADE MAY BE SOLDERED, 95-5 TIN-ANTIMONY SOLDER. ALL NIPPLES SHALL BE RED BRASS (85% COPPER), MECHANICAL PRESS FIT CRIMPED FITTINGS ARE ACCEPTABLE (PROPRESS).
 - B. SOIL, WASTE & VENT (INSIDE BUILDING AND WITHIN 5' OF BLDG WALLS) - CAST IRON, CISPI 301, HEAVY DUTY COUPLINGS (HUSKY HD 2000 SERIES OR EQUIV.), 2" AND SMALLER EXPOSED TO VIEW SHALL BE GALVANIZED STEEL, ASTM A120/A53, WITH COATED CAST IRON RECESSED DRAINAGE FITTINGS, ANSI B16.12.
 - C. DRAIN (INCLUDING CONDENSATE DRAIN) - SAME AS DOMESTIC WATER -OR- SCHEDULE 40 GALVANIZED STEEL PIPE, ASTM 120/ A53 W/ 150 LBS GALV. SCREWED FITTINGS.
- CLEANOUTS:** COMPARABLE MODELS OF JOSAM, WADE OR ZURN. FLOOR CLEANOUT: SMITH 4028 NICKEL BRONZE TOP IN FINISHED AREAS, SMITH 4228 IN UTILITY AREAS. WALL CLEANOUT: SMITH 4532 WITH STAINLESS STEEL COVER AND SCREW. PIPE CLEANOUT: IRON BODY WITH THREADED BRASS PLUG.
- VALVES:** ALL VALVES SHALL BE FULL LINE SIZE OF UPSTREAM PIPING, EXCEPT THAT GAS VALVES WITHIN 18" OF THE POINT OF CONNECTION TO THE EQUIPMENT MAY BE SAME SIZE AS THE EQUIPMENT CONNECTION. PROVIDE SHUT-OFF VALVE AT EACH EQUIPMENT CONNECTION. PROVIDE SHUT-OFF VALVE AT EACH POINT OF CONNECTION TO EXISTING PIPING.
 - A. GATE: SIZE 2" AND SMALLER: RISING STEM, UNION BONNET ALL BRONZE, WEDGE DISC, 125 WSP, STOCKHAM B-105.
 - B. BALL: FULL PORT, BRONZE OR BRASS BODY, CAP, STEM, DISK AND BALL. SCREWED CONNECTION, LEVER HANDLE TFE SEAT, O-RING SEALS, 300 PSI WOG, APOLLO, GRINNELL, JOMAR.

END SECTION

END OF SECTION

MECHANICAL SPECIFICATIONS

SECTION 230000
HEATING, VENTILATING AND AIR CONDITIONING

PART 1 - GENERAL

- RELATED DOCUMENTS
 - A. DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 1 SPECIFICATION SECTIONS, APPLY TO THIS DIVISION.
- GENERAL MECHANICAL PROVISIONS
 - A. THE PRECEDING GENERAL MECHANICAL PROVISIONS SHALL FORM A PART OF THIS DIVISION WITH THE SAME FORCE AND EFFECT AS THOUGH REPEATED HERE.
- SCOPE: PROVIDE ALL LABOR, MATERIALS AND SERVICES NECESSARY FOR COMPLETE, LAWFUL AND OPERATING SYSTEMS AS SHOWN OR NOTED ON THE DRAWINGS OR AS SPECIFIED HERE. THE WORK INCLUDES, BUT IS NOT NECESSARILY LIMITED TO, THE FOLLOWING:
 - A. AIR DISTRIBUTION SYSTEM.
 - B. ALL EQUIPMENT AS SHOWN OR NOTED ON THE DRAWINGS OR AS SPECIFIED.

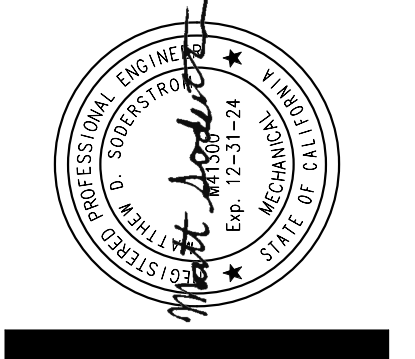
PART 2 - PRODUCTS

- DUCTWORK MATERIALS
 - A. GENERAL: ALL DUCTWORK MATERIALS SHALL HAVE FIRE AND SMOKE HAZARD RATINGS AS TESTED UNDER ASTM E 84 AND UL 723 NOT EXCEEDING A FLAME SPREAD OF 25 AND SMOKE DEVELOPED OF 50. SHALL COMPLY WITH 1994 UMC STANDARD 6-1.
 - B. METAL DUCTWORK: METAL DUCTWORK SHALL BE GALVANIZED SHEET STEEL, LOCK FORMING QUALITY, ASTM A 653, WITH GAGE AND CONSTRUCTION TO MATCH SMACNA STANDARD FOR PRESSURE REQUIRED (26 GAGE MINIMUM).
 - C. FLEXIBLE DUCTWORK: INSULATED FLEXIBLE DUCTWORK, 1 LB/FT3 GLASS FIBER INSULATION, 1" THICK, R-6, SEAMLESS VAPOR BARRIER JACKET. DUCT SHALL COMPLY WITH NFPA 90A, CONTINUOUS INTERNAL LINER BONDED TO GALVANIZED STEEL WIRE HELIX. DUCT SHALL BE CAPABLE OF CONTINUOUS OPERATION AT 1-1/2' OF WATER STATIC PRESSURE AND 4,000 FT/MIN AIR VELOCITY. GENFLEX, WIREMOLD.
 - D. DUCT SEALANTS: ALL JOINTS EXPOSED TO WEATHER. SEALANT SHALL BE HARDCAST CCWV-181. JOINTS NOT EXPOSED TO WEATHER: WATER-BASED DUCT SEALANT, WITHOUT SUBSTITUTION, 'UNI-MASTIC 181' BY MCGILL AIRSEAL OR DESIGN POLYMETRICS DP-1010.
- AIR TERMINALS AND DUCT FITTINGS
 - A. FLEXIBLE CONNECTION: UL LISTED NEOPRENE COATED 30 OUNCE FIBERGLASS CLOTH, 3" METAL, 3" FABRIC, 3" METAL, VENTGLAS.

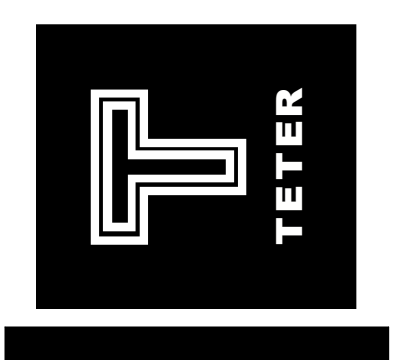
PART 3 - EXECUTION

- DUCTWORK INSTALLATION
 - A. GENERAL:
 - 1. STANDARDS: UNLESS OTHERWISE NOTED, ALL DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH CURRENT SMACNA STANDARDS. DUCTWORK SHALL BE BUILT TO A PRESSURE CLASSIFICATION EQUAL TO OR GREATER THAN THE MAXIMUM OPERATING PRESSURE AT THAT POINT IN THE DUCTWORK. A COPY OF THESE STANDARDS SHALL BE MAINTAINED AT THE JOB SITE AT ALL TIMES. DUCT WORK AND ACCESSORIES SHALL BE INSTALLED IN A MANNER TO PREVENT VIBRATION AND RATTLING.
 - 2. ACCESS: PROVIDE DUCT ACCESS DOORS AS REQUIRED TO ADJUST EQUIPMENT AND DAMPERS. PROVIDE WALL OR CEILING ACCESS PANELS. OR REMOTE ACTUATORS AS REQUIRED WHERE EQUIPMENT AND DAMPERS ARE NOT OTHERWISE ACCESSIBLE. VENTLOK 666 CONCEALED REMOTE ACTUATOR WITH ZINC FINISH ON COVER.
 - 3. FLEXIBLE CONNECTIONS: CONNECTION OF DUCTWORK TO ANY VIBRATING EQUIPMENT SHALL BE WITH 3" (MIN) FLEXIBLE CONNECTION. INSTALL WITH AMPLE SLACK AND UNIFORM GAP. THERE SHALL BE NO METAL TO METAL CONTACT ACROSS FLEXIBLE CONNECTION. FLEXIBLE CONNECTIONS EXPOSED TO WEATHER SHALL HAVE A PROTECTIVE SHEET METAL COVER.
 - 4. FLANGES AND ESCUTCHEON: WHERE DUCTWORK PENETRATES WALLS, CEILING, OR FLOORS, FURNISH AND INSTALL FLANGE OR ESCUTCHEON OF SAME MATERIAL AS DUCT.
 - B. AIR CONDITIONING UNITS:
 - 1. CONTRACTOR SHALL VERIFY THAT ROOF IS READY TO RECEIVE WORK AND OPENING DIMENSIONS ARE AS INDICATED ON SHOP DRAWINGS.
 - 2. CONTRACTOR SHALL VERIFY THAT PROPER POWER SUPPLY IS AVAILABLE.
 - 3. CONTRACTOR SHALL INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. MOUNT UNITS PROVIDING WATERTIGHT ENCLOSURE TO PROTECT DUCTWORK AND UTILITY SERVICES. INSTALL ROOF MOUNTING CURB LEVEL.
 - 5. SPRING ISOLATORS SHALL BE ADJUSTED TO ALLOW MOVEMENT TO MAXIMUM FREE SPRING LENGTH.
 - C. CONNECTIONS TO EQUIPMENT: WHERE SIZE CHANGES ARE REQUIRED FOR CONNECTIONS TO EQUIPMENT, THEY SHALL BE MADE IMMEDIATELY ADJACENT TO THE EQUIPMENT AND, IF POSSIBLE, INSIDE THE EQUIPMENT CABINET.

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ARCHITECTS ENGINEERS CONNECTED



**MODULAR MODIFICATION
WELDON ELEMENTARY
150 DEWITT AVE.
CLOVIS, CA**
DRAWING TITLE
MECHANICAL & PLUMBING SPECIFICATIONS

PROJECT NO.

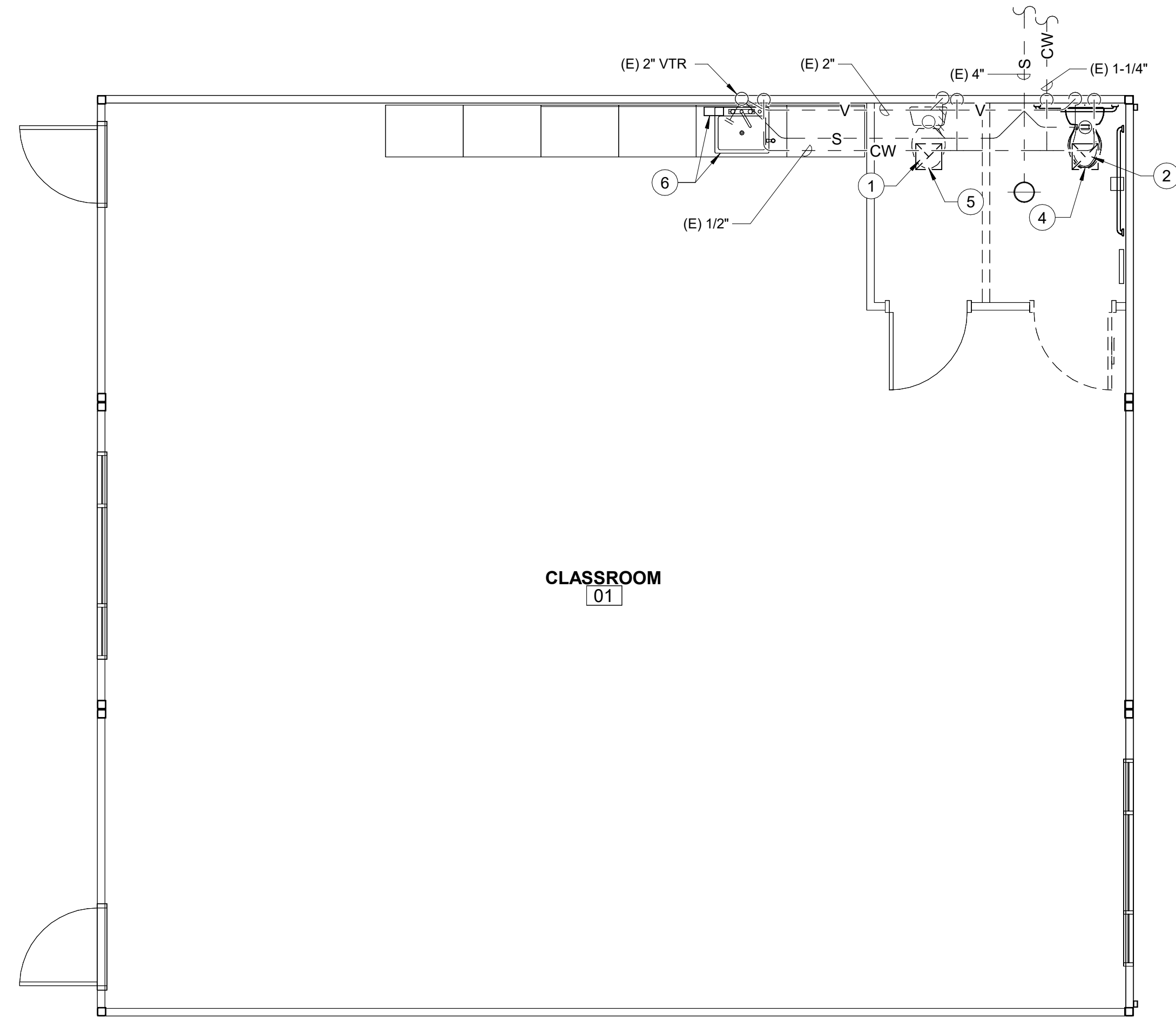
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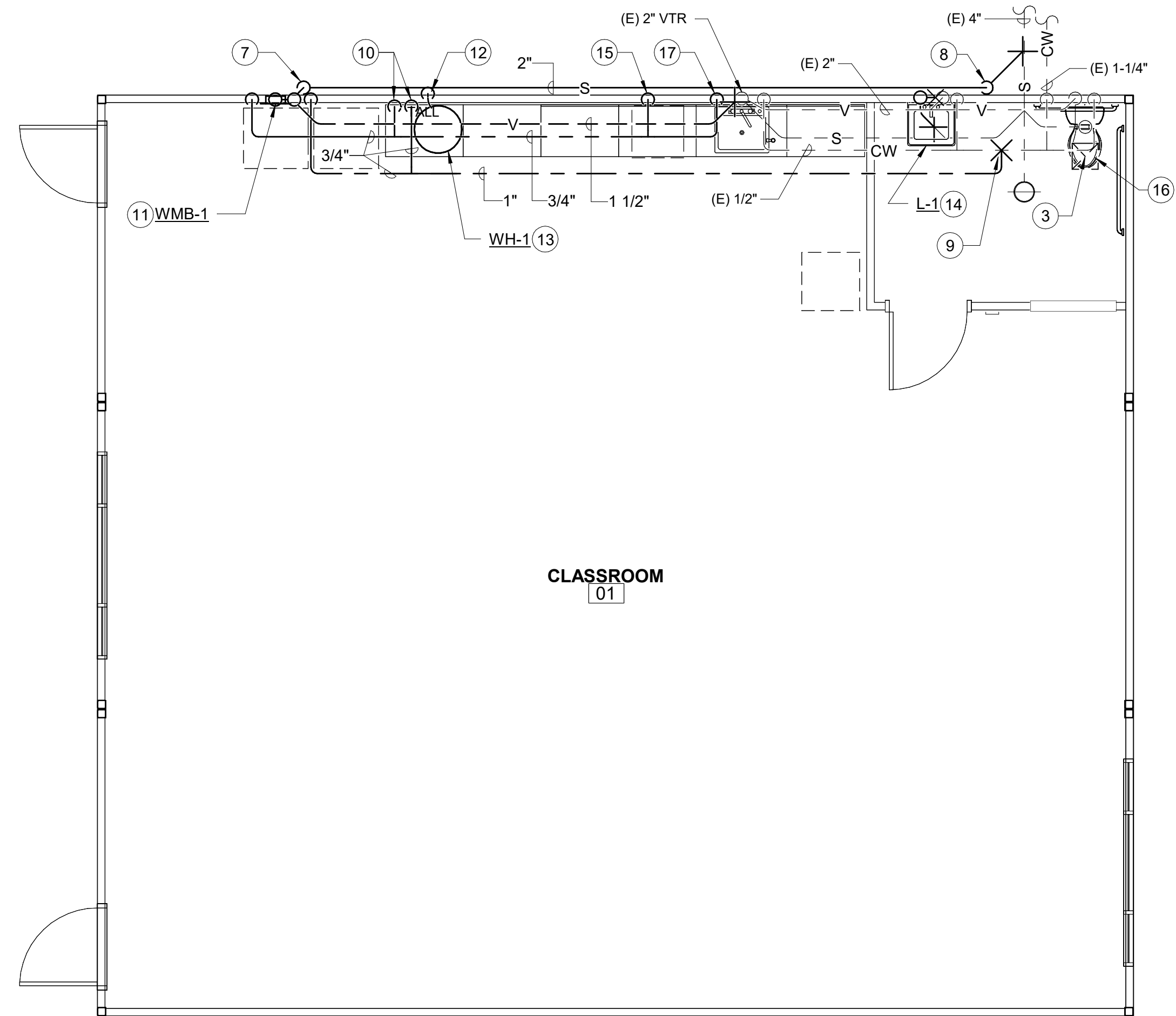
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MECHANICAL & PLUMBING DEMOLITION FLOOR PLAN

1/4" = 1'-0" 1



PROPOSED MECHANICAL & PLUMBING FLOOR PLAN

1/4" = 1'-0" 2

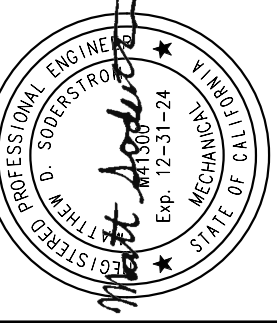


KEYNOTES

- 1 REMOVE (E) CEILING MOUNTED EXHAUST FAN AND CAP (E) EA DUCT ABV. CLG.
- 2 REMOVE (E) CEILING MOUNTED EXHAUST FAN AND SALVAGE FOR REINSTALLATION.
- 3 REINSTALL (E) CEILING MOUNTED EXHAUST FAN IN (N) CEILING. SEE 14/A102 FOR SUPPORT.
- 4 REMOVE (E) FLOOR MOUNTED WATER CLOSET AND SALVAGE FOR REINSTALLATION.
- 5 REMOVE (E) FLOOR MOUNTED WATER CLOSET. CAP (E) S BEL. GR. AND CW IN WALL FOR RECONNECTION. REMOVE (E) VENT PIPING BEL GR. AND CAP IN WALL.
- 6 REMOVE (E) INSTANT HOT WATER HEATER AND ASSOCIATED PIPING. (E) SINK TO REMAIN.
- 7 ROUTE (N) 2" S THRU EXTERIOR WALL AND ROUTE PIPE ALONG EXTERIOR OF WALL. MAINTAIN 1/4" PER FOOT SLOPE FOR HORIZONTAL PIPING. SEE DETAIL 2/P800 FOR SUPPORT. SEE DETAIL 6/P800 FOR PENETRATION.
- 8 ROUTE (N) 2" S DN. ALONG EXTERIOR OF WALL TO BEL. GR. AND CONNECT TO (E) 4" S.
- 9 POC (N) 1" CW TO (E) 1" CW ABV. CLG. SEE 3/P800 FOR PIPE SUPPORT ABV. CLG.
- 10 3/4" CW & 3/4" HW DN. THRU CEILING. ROUTE ALONG FACE OF WALL AND DN. THRU TOP OF CABINET. ROUTE DN. ALONG BACK OF CABINET TO (N) WATER HEATER.
- 11 2" SEWER W/ STANDPIPE DRAIN, 1-1/2" VR, 3/4" CW, & 3/4" HW FOR CLOTHES WASHER. ROUGH-IN WITH RECESSED BOX.
- 12 ROUTE 3/4" P&T RELIEF THRU EXTERIOR WALL AND TERMINATE WITH 90° ELL DN. AT +6" MIN. +24" MAX. ABV. GR.
- 13 ELECTRIC WATER HEATER MOUNTED ON BASE OF CABINET. SEE 4/P800 FOR SUPPORT AND PIPING CONNECTIONS.
- 14 2" S, 1-1/2" V, & 3/4" CW FOR (N) LAVATORY. CONNECT (N) 2" S TO (E) 4" S BEL. FLR. CONNECT (N) 1-1/2" VR TO (E) 2" VR IN WALL. CONNECT (N) 3/4" CW TO (E) 1" CW IN WALL. SEE 1/P800 FOR LAVATORY SUPPORT.
- 15 1/2" HW DN. FOR DISHWASHER. BRANCH 1/2" CW FROM (E) SINK TO DISHWASHER. ROUTE DISHWASHER DRAIN DISCHARGE TO (N) VACUUM BREAKER AT (E) REAR SINK LEDGE AND TERMINATE AT SINK TAILPIECE.
- 16 RE-INSTALL (E) FLOOR MOUNTED WATER CLOSET IN SAME LOCATION AND RE-CONNECT TO (E) PIPING.
- 17 1/2" HW DN. AND CONNECT TO (E) SINK.

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**MODULAR MODIFICATION
 WELDON ELEMENTARY
 150 DEWITT AVE.
 CLOVIS, CA**
 DRAWING TITLE
MECHANICAL & PLUMBING FLOOR PLANS

PROJECT NO.
23-12689
 DRAWING
MP200

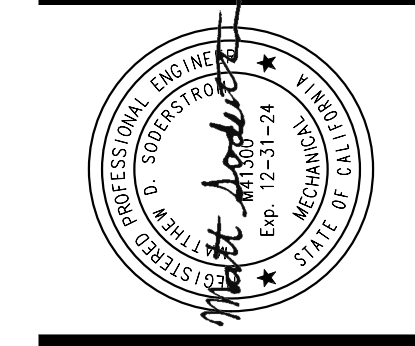


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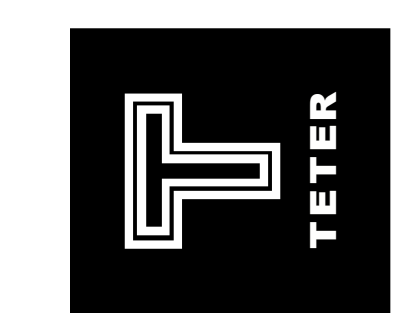
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			<p>(E) METAL STANDING SEAM ROOF. (E) 14 GA. ROOF PURLIN. 2"x2"x3" ANGLE CLIP, ATTACH WITH (2) #10 SMS. (TYP) ALL-THREAD HANGER ROD. (TYP) 'C' CHANNEL INTERMEDIATE BRACING, AS REQUIRED.</p>	<p>CENTERLINE OF FIXTURE. CENTERLINE OF FIXTURE SUPPORT HANGER. 3/8" Øx3" WOOD SCREWS W/ COUNTER SUNK HEAD, (3) PER STUD. PRE-DRILL HOLES IN PLATE THE SHANK DIAMETER, TYP. 1/4"x8" STEEL PLATE FOR FIXTURE WALL BACKING PLATE. PLATE SHALL BE LET INTO WOOD FOR FLUSH CONDITION AT FACE OF STUDS. WOOD STUD, TYP.</p> <p>NOTES: 1. FOR SINGLE FIXTURE, PLATE SHALL BE ANCHORED TO A MINIMUM OF (4) VERTICAL STUDS. 2. PROVIDE THREADED HOLES IN PLATE FOR FIXTURE SUPPORT CARRIER MOUNTING. 3. PROVIDE JAY R. SMITH CONCEALED ARMS MOUNTED TO PLATE FOR LAVATORY INSTALLATION.</p>	
			UPPER ATTACHMENT N.T.S. 5	FIXTURE SUPPORT N.T.S. 1	
			<p>EXISTING WALL. PIPING THRU WALL. SEAL ENDS WITH DOW CORNING 3-6548 SILICONE FOAM. SEAL WITH G.E. SILICONE SEALANT. S.M. RAIN FLASHING. EXTEND 12" ON EACH SIDE OF PIPE. SECURE TO WALL WITH #10 WS. PACK ANNULAR SPACE WITH HEAVY DENSITY MINERAL WOOL.</p>		<p>12" LONG UNISTRUT P1000 CONSTRUCTION CHANNEL. UNISTRUT 12 GA. PIPE CLAMP. PIPE. #12 WOOD SCREW. (TYP OF 2) (E) WOOD STUD.</p> <p>NOTES: 1. SEE PLANS FOR PIPE SIZES. 2. SUPPORT AT 10'-0" MAX. AND WITHIN 12" OF CHANGES IN DIRECTION.</p>
			PIPE THRU WALL N.T.S. 6	PIPE SUPPORT ON WALL N.T.S. 2	
				<p>SEE 5/P800 FOR UPPER ATTACHMENT. 3/8" Ø ROD. PIPE. PIPE HANGER.</p> <p>NOTES: 1. SEE PLANS FOR PIPE SIZES. 2. SUPPORT AT 6'-0" MAX. AND WITHIN 12" OF CHANGES IN DIRECTION.</p>	
				PIPE SUPPORT N.T.S. 3	
			<p>ELECTRIC WATER HEATER. UNION. (TYP) GATE VALVE. (TYPICAL) HW OUTLET. SEE PLAN FOR SIZE. P&T RELIEF VALVE. SEE PLAN FOR CONT. CW INLET. SEE PLAN FOR SIZE. CHECK VALVE (TYP.). UNISTRUT P1000 CONSTRUCTION CHANNEL (TYP.). ATTACH TO (2) STUDS MIN. W/ 3/8" LAG SCREW. 1/8"x1" GALV. STEEL STRAP AROUND WATER HEATER (TYP. OF 2 AT 1/3 & 2/3 HEIGHT OF WH), ATTACH TO UNISTRUT WITH 3/8" Ø BOLTS, 1 EA SIDE. 24 GA. GALV. SHEET METAL DRAIN PAN. SOLDER ALL SEAMS WATERTIGHT. CABINET BASE.</p> <p>NOTE: CUT & REMOVE BACK PANEL OF CABINET AS NECESSARY FOR INSTALLATION OF CONSTRUCTION CHANNELS AND WATER HEATER STRAPS.</p>		
				WATER HEATER IN CABINET N.T.S. 4	

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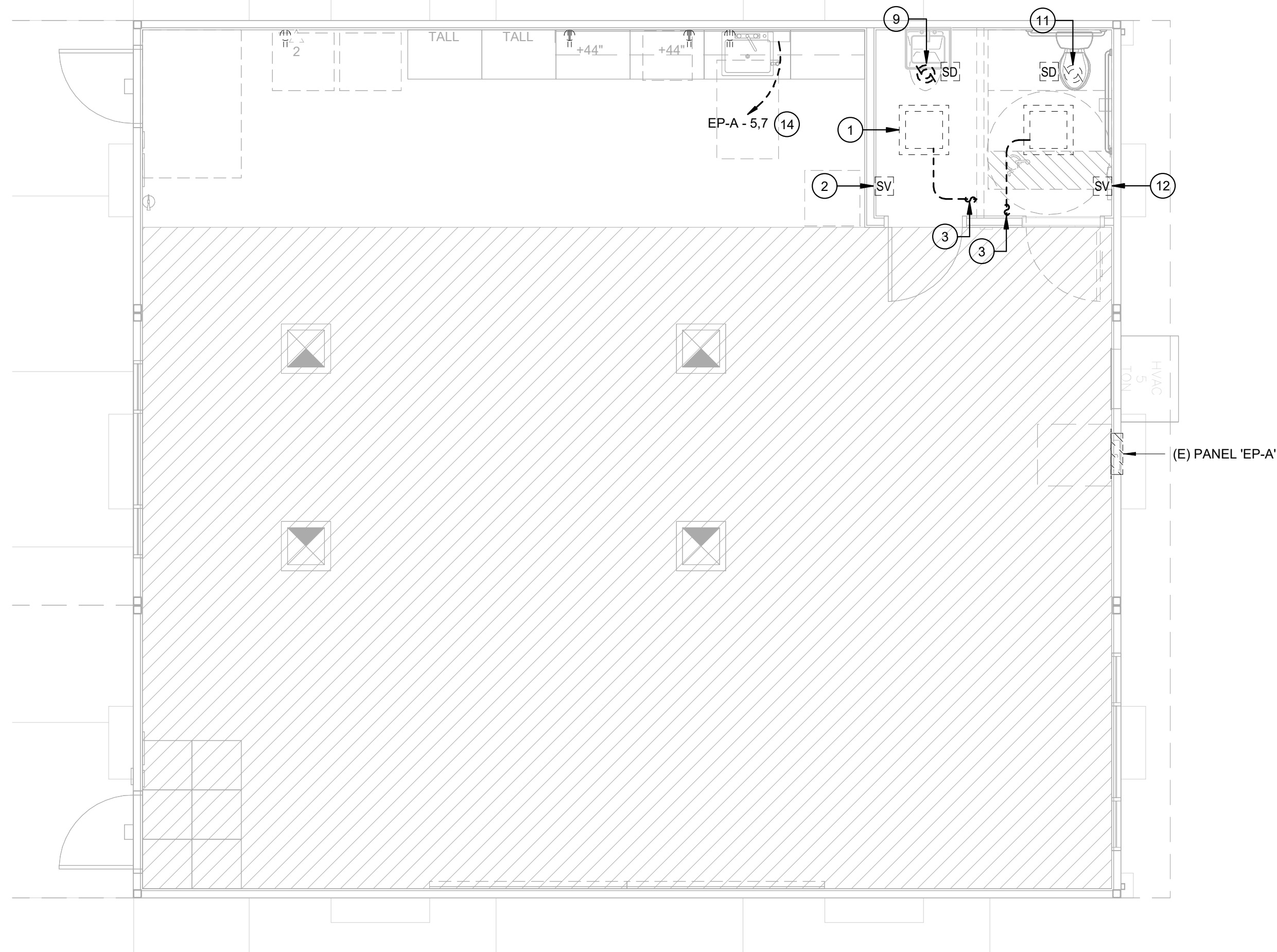


**MODULAR MODIFICATION
WELDON ELEMENTARY
150 DEWITT AVE.**
CLOVIS, CA
DRAWING TITLE
MECHANICAL & PLUMBING DETAILS

PROJECT NO.
23-12689

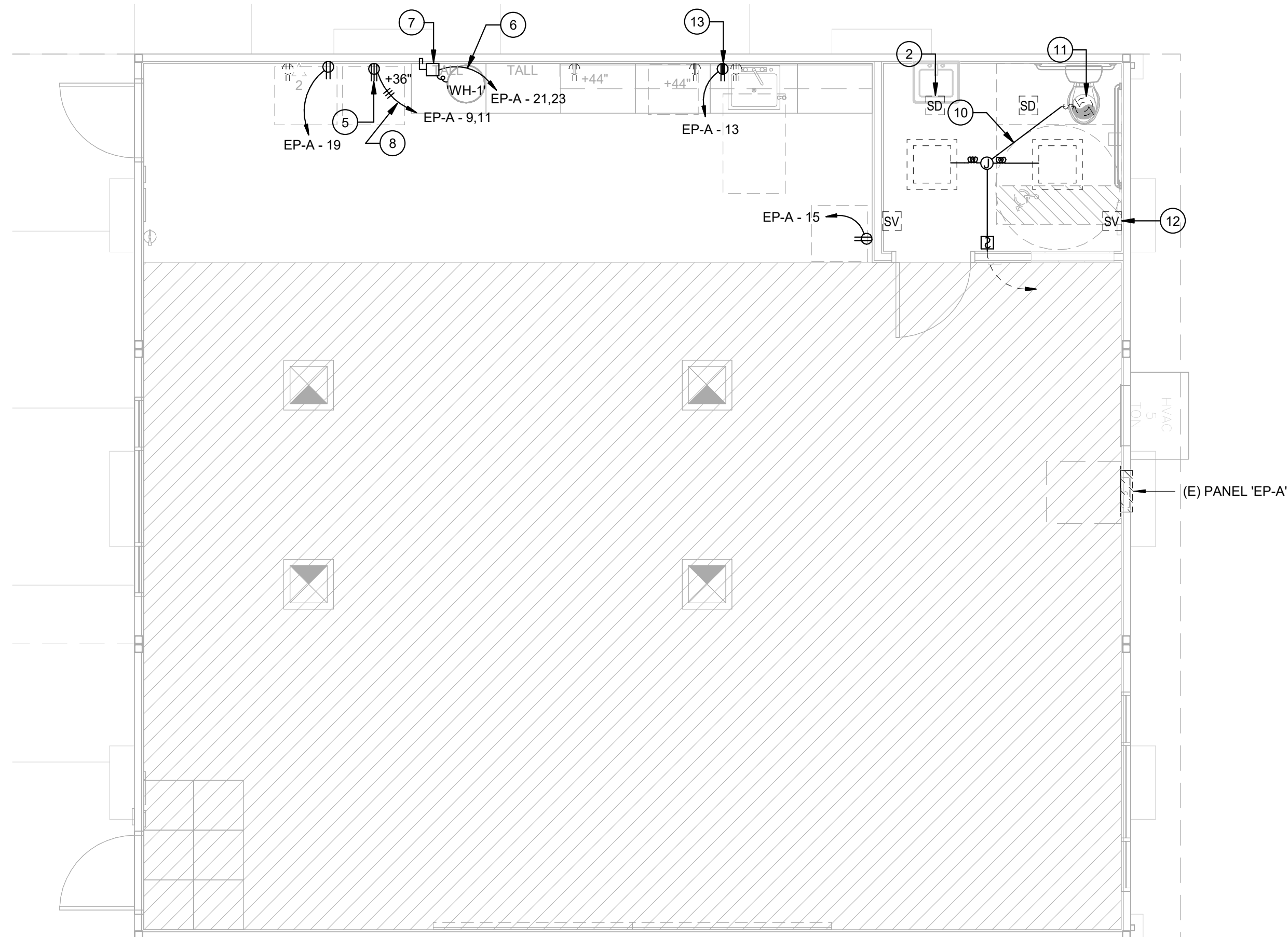
DRAWING
MP800

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DEMOLITION ELECTRICAL PLAN

1/4" = 1'-0" 1



ELECTRICAL POWER, LIGHTING, AND FIRE ALARM PLAN

1/4" = 1'-0" 2

KEYNOTES

- 1 REMOVE (E) LIGHT FIXTURE AND SALVAGE FOR REINSTALLATION, TYPICAL.
- 2 REMOVE (E) CEILING MOUNTED FIRE ALARM DEVICES AND SALVAGE FOR REINSTALLATION AFTER (N) CEILING INSTALLATION, TYPICAL.
- 3 DISCONNECT AND REMOVE (E) LIGHT SWITCH AND REMOVE SWITCH CIRCUIT. DISCONNECT BRANCH CIRCUIT AND ROUTE TO LOCATION FOR CONNECTION TO NEW LIGHT SWITCH.
- 4 PROVIDE (N) LIGHT SWITCH WITH INTEGRAL OCCUPANCY SENSOR AND CONNECT THE CONTROLLED HOT TO EACH LIGHTING FIXTURE.
- 5 PROVIDE (N) NEMA 14-30R, 125/250V, 30A, 3-POLE, 4-WIRE GROUNDING TYPE ELECTRIC DRYER RECEPTACLE.
- 6 ONE 1" C WITH 2#8 CU THWN AND 1#10 CU GND.
- 7 PROVIDE GENERAL DUTY 250V, 60A, 3-POLE DISCONNECT. PROVIDE CONNECTION FOR 208V, 14, 4500W, WATER HEATER, 'WH-1'.
- 8 ONE 3/4" C WITH 3#10 CU THWN AND 1#10 CU GND.
- 9 DISCONNECT AND REMOVE (E) EXHAUST FAN. REMOVE EXHAUST FAN BRANCH CIRCUIT BACK TO SOURCE.
- 10 INTERLOCK (E) EXHAUST FAN WITH CONTROLLED LIGHTING BRANCH CIRCUIT ON (N) INTEGRAL OCCUPANCY LIGHT SWITCH.
- 11 REMOVE (E) EXHAUST FAN AND SALVAGE FOR REINSTALLATION.
- 12 (E) WALL MOUNTED FIRE ALARM DEVICES TO REMAIN, TYPICAL. PRESERVE AND PROTECT FIRE ALARM DEVICES DURING CONSTRUCTION.
- 13 PROVIDE (N) GFCI RECEPTACLE FOR POWER CONNECTION OF DISHWASHER.
- 14 DISCONNECT AND REMOVE (E) BRANCH CIRCUIT FOR INSTA-HOT WATER HEATER. TURN OFF (E) 20A, 2-POLE CIRCUIT BREAKER AND MARK AS 'SPARE'.

DEMOLITION NOTES

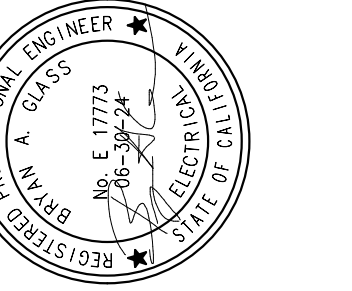
- A. ELECTRICAL FACILITIES SHOWN DASHED ARE EXISTING:
 1. THOSE SHOWN LIGHTWEIGHT (FADED) SHALL REMAIN AND REQUIRE MODIFICATION AS NOTED.
 2. THOSE SHOWN HEAVYWEIGHT (DARK) REQUIRE REMOVAL OR RELOCATION AS NOTED.
- B. EXISTING ELECTRICAL FACILITIES AND CIRCUITING SHOWN ARE BASED ON LIMITED RECORD DRAWINGS AND LIMITED SITE VISITS. THE DRAWINGS MAY NOT ACCURATELY REPRESENT ACTUAL EXISTING CONDITIONS IN THE FIELD. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND RING OUT EXISTING CIRCUITS TO DETERMINE EXACT ROUTING.
- C. EXISTING RECEPTACLES AND SWITCHES IN WALLS THAT ARE TO BE DEMOLISHED SHALL BE REMOVED AND WIRING SHALL BE PULLED BACK TO THE SOURCE PANEL.

GENERAL NOTES

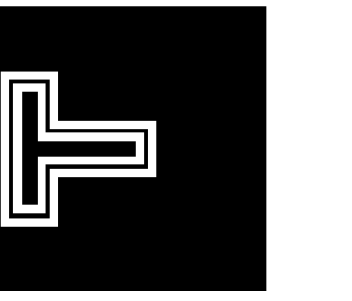
- A. CONDUIT AND CONDUCTORS FOR NEW OUTLETS SHALL BE CONCEALED, U.O.N.
- B. PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND/OR ROOFS SHALL BE SEALED.
- C. EXISTING ELECTRICAL DEVICES AND COVER PLATES ON WALLS RECEIVING NEW WALL FINISHES SHALL BE REMOVED AND PRESERVED FOR RE-INSTALLATION. OUTLET BOXES SHALL BE EXTENDED TO ACCOMMODATE NEW WALL FINISHES, AND DEVICES AND COVER PLATES SHALL BE CLEANED AND RE-INSTALLED. REFER TO ARCHITECTURAL INTERIOR FINISH SCHEDULE FOR LOCATIONS RECEIVING NEW WALL FINISHES.
- D. ALL 120V, 15A AND 20A RECEPTACLES WITHIN KITCHENS AND RESTROOMS SHALL BE GFCI TYPE RECEPTACLES. IN ALL OTHER SPACES, 120V, 15A AND 20A RECEPTACLES WITHIN 6' OF SINKS OR FAUCETS SHALL BE GFCI TYPE RECEPTACLES.

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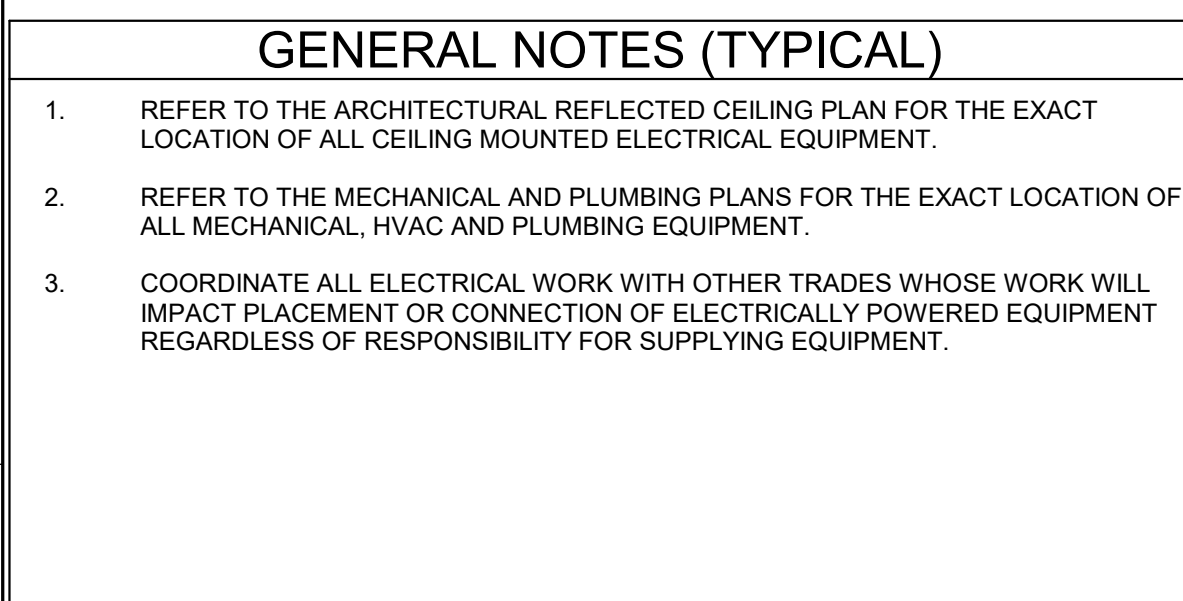
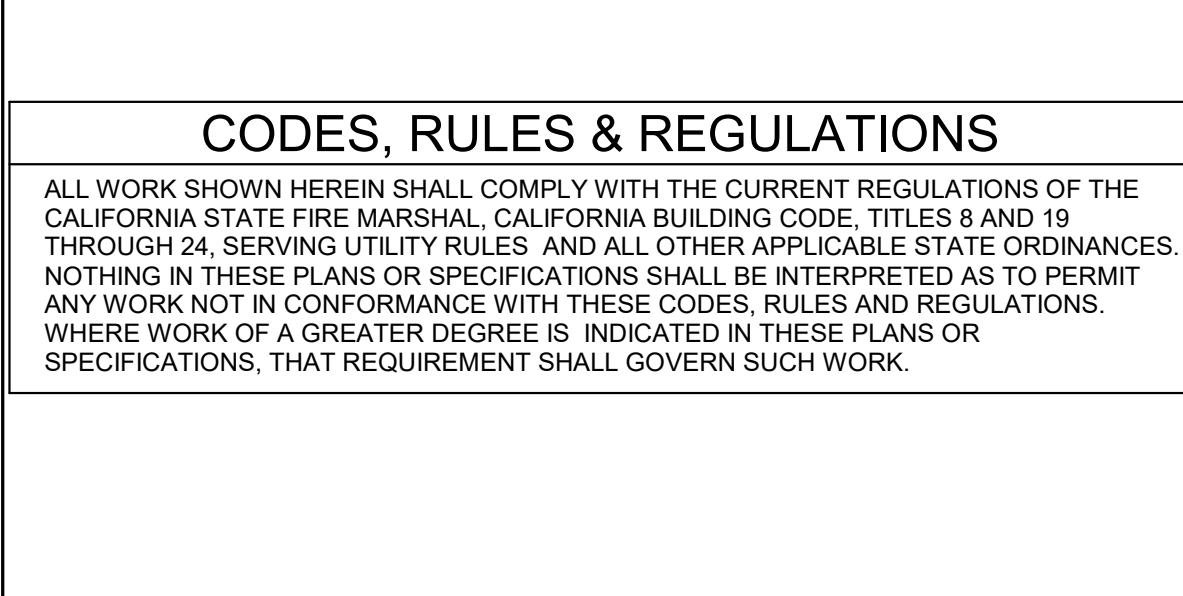
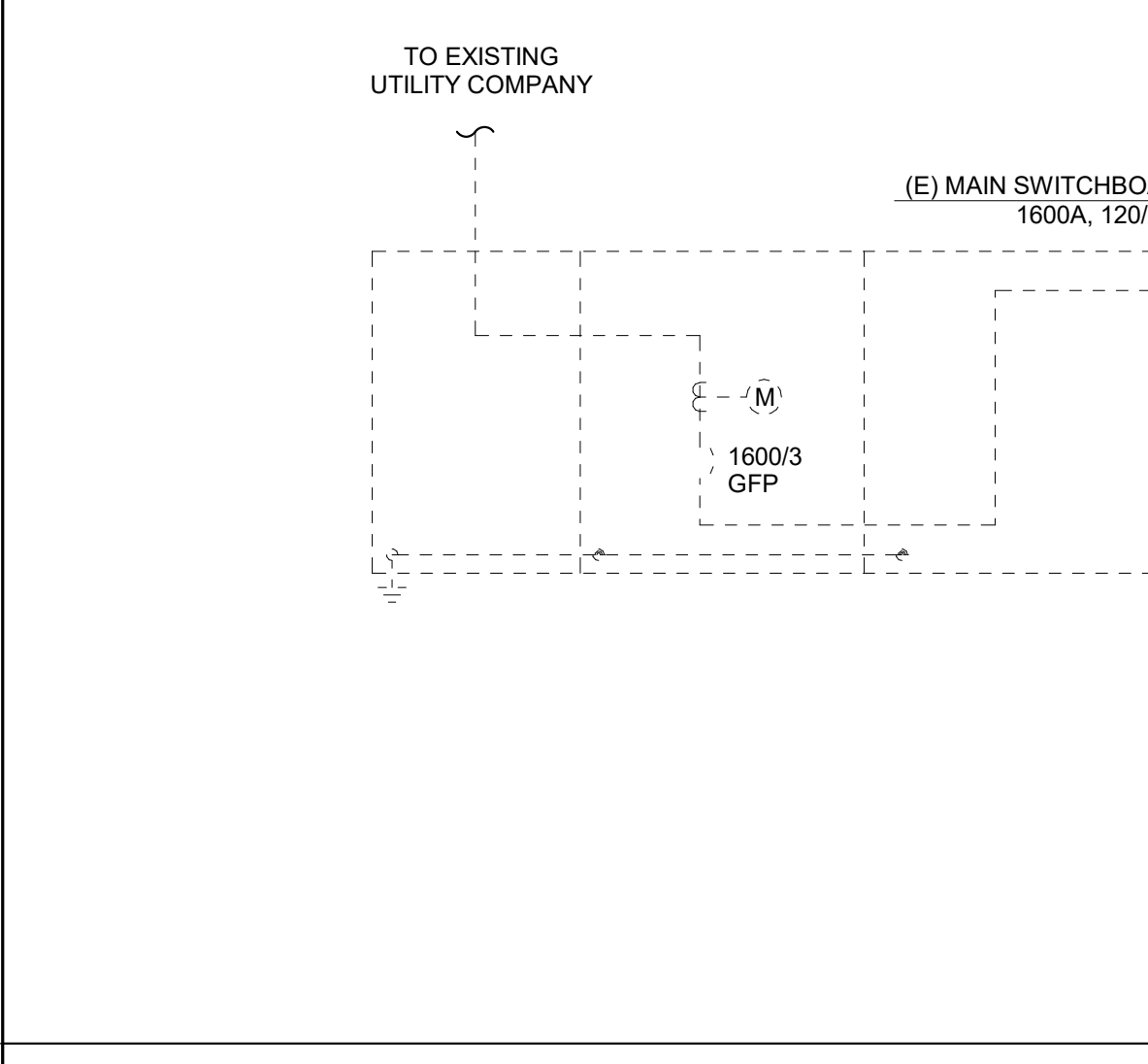
MODULAR MODIFICATION
 WELDON ELEMENTARY
 150 DEWITT AVE.
 CLOVIS, CA
 DRAWING TITLE
 ELECTRICAL POWER, LIGHTING, AND FIRE ALARM PLAN

PROJECT NO.

23-12689

DRAWING

E200



TO EXISTING UTILITY COMPANY
(E) MAIN SWITCHBOARD 'MSB' - CUTLER HAMMER
1600A, 120/208V, 3φ, 4W, 65 KAIC
(E) DISTRIBUTION SWITCHBOARD 'DB' - SQUARE D
400A, 120/208V, 3φ, 4W, 42 KAIC
(E) DISTRIBUTION SWITCHBOARD 'EP-A'
225 AMP BUS
120/208V, 1 PH, 3 W
100% RATED NEUTRAL
MAIN: 150A CB
TRIP: THERMAL-MAGNETIC
LOCATION: CLASSROOM
MOUNTING: RECESSED EXISTING
ENCLOSURE: NEMA 1

CODES, RULES & REGULATIONS

ALL WORK SHOWN HEREIN SHALL COMPLY WITH THE CURRENT REGULATIONS OF THE CALIFORNIA STATE FIRE MARSHAL, CALIFORNIA BUILDING CODE, TITLES 8 AND 19 THROUGH 24, SERVING UTILITY RULES AND ALL OTHER APPLICABLE STATE ORDINANCES. NOTHING IN THESE PLANS OR SPECIFICATIONS SHALL BE INTERPRETED AS TO PERMIT ANY WORK NOT IN CONFORMANCE WITH THESE CODES, RULES AND REGULATIONS. WHERE WORK OF A GREATER DEGREE IS INDICATED IN THESE PLANS OR SPECIFICATIONS, THAT REQUIREMENT SHALL GOVERN SUCH WORK.

GENERAL NOTES (TYPICAL)

- 1. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR THE EXACT LOCATION OF ALL CEILING MOUNTED ELECTRICAL EQUIPMENT.
2. REFER TO THE MECHANICAL AND PLUMBING PLANS FOR THE EXACT LOCATION OF ALL MECHANICAL, HVAC AND PLUMBING EQUIPMENT.
3. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES WHOSE WORK WILL IMPACT PLACEMENT OR CONNECTION OF ELECTRICALLY POWERED EQUIPMENT REGARDLESS OF RESPONSIBILITY FOR SUPPLYING EQUIPMENT.

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.

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

PANEL SCHEDULE

Table with columns: PANEL: 'DB', 400 AMP BUS, 120/208V, 3 PH, 4 W, 100% RATED NEUTRAL. MAIN: 400A CB, THERMAL-MAGNETIC. LOCATION: OUTSIDE, MOUNTING: EXISTING, ENCLOSURE: NEMA 3R. Includes circuit breaker and circuit details.

Table with columns: PANEL: 'EP-A', 225 AMP BUS, 120/208V, 1 PH, 3 W, 100% RATED NEUTRAL. MAIN: 150A CB, THERMAL-MAGNETIC. LOCATION: CLASSROOM, MOUNTING: RECESSED EXISTING, ENCLOSURE: NEMA 1. Includes circuit breaker and circuit details.

GENERAL NOTES

N.T.S. 20

PANEL SCHEDULE

N.T.S. 12

SYMBOL LEGEND AND NOTES

Table with columns: SYMBOL, DESCRIPTION, SYMBOL, DESCRIPTION. Lists electrical symbols and their corresponding descriptions, including explosion proof construction, dust tight construction, spacing dimensions, etc.

GENERAL NOTES

N.T.S. 4

Electrical Symbol Legend and Notes section containing a table of symbols and descriptions, and a list of notes regarding conduit, raceway, and equipment installation requirements.

Vertical sidebar containing project information: MODULAR MODIFICATION WELDON ELEMENTARY 150 DEWITT AVE., CLOVIS, CA. Includes logos for TETER, INC. and ARCHITECTS ENGINEERS CONNECTED.

LIGHTING SPECIFICATIONS

- THE CONTRACTOR SHALL PROVIDE, INSTALL, CONNECT, COMMISSION, TEST AND PLACE INTO OPERATION A COMPLETE LIGHTING SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF 2022 CALIFORNIA ENERGY CODE, CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 6, AND AS HEREIN SPECIFIED.
- BASIS OF DESIGN FOR LIGHTING AND LIGHTING CONTROL SYSTEMS: INDOOR LIGHTING SYSTEMS ARE PRIMARILY BASED ON THE USE OF DIMMABLE LED FIXTURES AS SPECIFIED HEREIN. LIGHTING CONTROL SYSTEMS ARE PRIMARILY BASED ON THE USE OF A DISTRIBUTED DIGITAL LIGHTING MANAGEMENT SYSTEM FOR CONTROL OF INDOOR LIGHTING SYSTEMS AND ASTRONOMIC TIME CLOCK CONTROLS FOR OUTDOOR LIGHTING SYSTEMS AND SIGN LIGHTING.
- PROVIDE LIGHTING FIXTURES AND CONTROL EQUIPMENT OF SIZES, TYPES AND RATINGS AS INDICATED BY DRAWINGS AND SCHEDULES, INCLUDING, BUT NOT LIMITED TO, HOUSING, LIGHT EMITTING DIODE (LED) MODULES, LED DRIVERS, REFLECTORS, DIFFUSERS, EMERGENCY LIGHTING UNITS, STARTERS, WIRING, ACCESSORIES, POLES AND MOUNTING HARDWARE, DIGITAL LIGHTING MANAGEMENT SYSTEM DIMMING EQUIPMENT, OCCUPANCY SENSORS, DAYLIGHT SENSORS (PHOTOSENSORS), ASTRONOMIC TIME CLOCKS AND MULTI-POLE LIGHTING RELAYS AND CONTACTORS AND WIRING
- ACCEPTANCE TESTING AND COMMISSIONING
 - THE CONTRACTOR SHALL PROVIDE THE SERVICES OF A CALIFORNIA STATE CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (CLCATT) TO ACT AS THE ACCEPTANCE TESTING AGENT AND VERIFY THE INSTALLATION OF THE LIGHTING CONTROL SYSTEMS.
 - PROVIDE THE SERVICES OF A MANUFACTURER'S FACTORY TECHNICIAN TIME TO ASSIST THE CLCATT REVIEW THE FUNCTIONALITY AND SETTINGS OF THE LIGHTING CONTROL HARDWARE PER THE REQUIREMENTS IN THE CALIFORNIA STATE FORMS.
 - THE CONTRACTOR SHALL PROVIDE THE SERVICES OF A COMMISSIONING AGENT TO PROVIDE COMMISSIONING OF THE INDOOR AND OUTDOOR LIGHTING SYSTEMS. THE FOLLOWING COMMISSION TASKS SHALL BE COMPLETED IN ACCORDANCE WITH 2022 CALIFORNIA ENERGY CODE, SECTION 120.8 BUILDING COMMISSIONING:
 - THE CONTRACTOR SHALL PREPARE AND SUBMIT THE FOLLOWING CERTIFICATES OF INSTALLATION:

INDOOR LIGHTING:

 - CERTIFICATE OF INSTALLATION - VALIDATION OF CERTIFICATE OF COMPLIANCE (NRCH-LTI-01-E)
 - CERTIFICATE OF INSTALLATION - ENERGY MANAGEMENT CONTROL SYSTEM OR LIGHTING CONTROL SYSTEM (NRCH-LTI-02-E)
 - CERTIFICATE OF INSTALLATION - LINE-VOLTAGE TRACK LIGHTING (NRCH-LTI-03-E)
 - CERTIFICATE OF INSTALLATION - TWO INTERLOCKED LIGHTING SYSTEMS (NRCH-LTI-04-E)
 - CERTIFICATE OF INSTALLATION - POWER ADJUSTMENT FACTORS (NRCH-LTI-05-E)
 - CERTIFICATE OF INSTALLATION - ADDITIONAL VIDEOCONFERENCE STUDIO LIGHTING (NRCH-LTI-06-E)

OUTDOOR LIGHTING:

 - CERTIFICATE OF INSTALLATION - OUTDOOR LIGHTING (NRCH-LTI-01-E)
 - CERTIFICATE OF INSTALLATION - EMCS - LIGHTING CONTROL SYSTEM (NRCH-LTI-02-E)

SIGN LIGHTING:

 - CERTIFICATE OF INSTALLATION - SIGN LIGHTING (NRCH-LTI-01-E)
 - THE CERTIFIED LIGHTING COMPLIANCE ACCEPTANCE TEST TECHNICIAN SHALL PREPARE AND SUBMIT THE FOLLOWING CERTIFICATES OF ACCEPTANCE:

INDOOR LIGHTING:

 - CERTIFICATE OF ACCEPTANCE - LIGHTING CONTROLS (NRCA-LTI-02-A)
 - CERTIFICATE OF ACCEPTANCE - AUTOMATIC DAYLIGHTING (NRCA-LTI-03-A)
 - CERTIFICATE OF ACCEPTANCE - DEMAND RESPONSIVE LIGHTING CONTROLS (NRCA-LTI-04-A)

OUTDOOR LIGHTING:

 - CERTIFICATE OF ACCEPTANCE - OUTDOOR MOTION SENSOR AND LIGHTING SHUT-OFF CONTROLS (NRCA-LTI-02-A)
- THE CONTRACTOR SHALL PROPERLY CALIBRATE ALL LIGHTING CONTROL DEVICES AND SYSTEMS. TO VERIFY THAT THE LIGHTING CONTROL DEVICES AND SYSTEMS HAVE BEEN PROPERLY CALIBRATED THE CONTRACTOR SHALL CONDUCT THE FOLLOWING TESTS AS OUTLINED IN CHAPTER 13 OF THE 2022 CALIFORNIA ENERGY COMMISSION NONRESIDENTIAL COMPLIANCE MANUAL, ARTICLE 13.87 TEST PROCEDURES FOR INDOOR & OUTDOOR LIGHTING, AND MAKE MODIFICATIONS TO THE CONTROL UNTIL IT PASSES THE TEST:

INDOOR LIGHTING:

 - 13.88 NA7.6.1 AUTOMATIC DAYLIGHTING CONTROL ACCEPTANCE
 - 13.89 NA7.6.2.4 AND NA7.6.2.5 AUTOMATIC TIME SWITCH ACCEPTANCE
 - 13.90 NA7.6.2.2 AND 7.6.2.3 OCCUPANT SENSOR ACCEPTANCE
 - 13.91 NA 7.6.3 DEMAND RESPONSIVE CONTROLS ACCEPTANCE

OUTDOOR LIGHTING

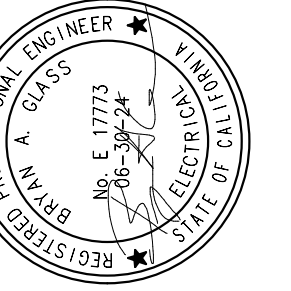
 - 13.92 (NA7.8) OUTDOOR LIGHTING SHUT-OFF CONTROLS

ELECTRICAL SPECIFICATION

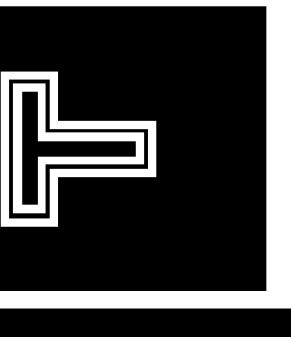
- ALL ELECTRICAL WORK SHOWN HEREIN SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE CURRENT REGULATIONS OF THE CALIFORNIA STATE FIRE MARSHAL, TITLES 8 AND 19 THROUGH 24 OF THE CALIFORNIA BUILDING CODE, THE CURRENT SERVING UTILITY RULES AND ALL OTHER APPLICABLE STATE AND LOCAL CODES, SAFETY ORDERS, LAWS AND ORDINANCES. NOTHING IN THESE PLANS OR SPECIFICATIONS SHALL BE INTERPRETED AS TO PERMIT ANY WORK NOT IN CONFORMANCE WITH THESE REGULATIONS, CODES AND RULES. WHERE WORK IS DETAILED AND/OR SPECIFIED TO A MORE RESTRICTIVE STANDARD OR HIGHER REQUIREMENT, THAT STANDARD OR REQUIREMENT SHALL GOVERN SUCH WORK.
- ALL ELECTRICAL MATERIAL SHALL BE NEW AND LISTED WITH THE UNDERWRITERS LABORATORIES INC., SHALL MEET THEIR REQUIREMENTS, AND SHALL BEAR THEIR LABEL. WHEREVER STANDARDS HAVE BEEN ESTABLISHED AND LABEL SERVICE IS REGULARLY FURNISHED BY THAT AGENCY ALL MATERIAL FOR SIMILAR USES SHALL BE OF THE SAME TYPE, MATERIAL AND MANUFACTURER FOR EASE OF FUTURE MAINTENANCE.
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND TRANSPORTATION AND PERFORM ALL OPERATIONS NECESSARY TO OR INCIDENTAL TO PROPER EXECUTION AND COMPLETION OF ALL "ELECTRICAL WORK" CALLED FOR BY NOTES, SCHEDULES OR OTHERWISE INDICATED ON THESE DRAWINGS, WHETHER OR NOT SPECIFICALLY MENTIONED. MATERIALS AND EQUIPMENT PROVIDED BY OWNER WILL BE AS SPECIFICALLY NOTED.
- CONTRACTOR SHALL PROVIDE COMPLETE AND OPERABLE SYSTEMS OF ELECTRICAL POWER, LIGHTING, AND SIGNAL AND COMMUNICATION, AND CONNECTIONS TO ALL MECHANICAL EQUIPMENT AND CONTROLS AS INDICATED OR REQUIRED. CONTRACTOR SHALL FURNISH LABOR AND MATERIALS TO ACHIEVE INDICATED RESULTS EVEN THOUGH ALL DETAILS ARE NOT SHOWN.
- ELECTRICAL DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC IN THAT ALL PROVISIONS NECESSARY TO CONFORM TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND PLUMBING SYSTEMS CANNOT BE SHOWN, WHILE THE SIZE AND LOCATION OF EQUIPMENT ARE SHOWN TO SCALE WHEREVER POSSIBLE. ALL DIMENSIONS AND CONDUIT/CONDUCTOR DATA SHALL BE VERIFIED IN THE FIELD. ALL INSTALLATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO OR AVOID OBSTRUCTIONS, WITHOUT ADDITIONAL COST TO THE OWNER.
- ELECTRICAL CONTRACTOR SHALL PERFORM ALL CUTTING AND DRILLING OF WALLS, CEILINGS, FLOORS OR OTHER STRUCTURES NECESSARY TO FACILITATE INSTALLATION OF EQUIPMENT SPECIFIED IN THESE DRAWINGS, WHERE PATCHING OF WORK IS REQUIRED, CONTRACTOR SHALL MATCH SURROUNDING MATERIAL, FINISH AND WORKMANSHIP.
- CONTRACTOR SHOULD VISIT THE SITE AND BECOME ACQUAINTED WITH CONDITIONS TO BE ENCOUNTERED. FUTURE FUNDS WILL NOT BE ALLOWED DUE TO FAILURE OF CONTRACTOR TO EXAMINE SITE AND TO INCLUDE EXISTING CONDITIONS IN BID.
- ALL EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH N.E.C. ARTICLES 250. ALL CONDUIT SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR, THE GROUNDING CONDUCTOR SHALL BE BONDED TO THE METAL FRAMES OF THE FIXED ELECTRICAL EQUIPMENT.
- CONDUIT ROUTING SUGGESTED ONLY. ALL INTERIOR BUILDING CONDUIT SHALL BE MINIMUM 3/4" EMT CONFORMING TO ANSI STANDARD C80.3. UNLESS OTHERWISE NOTED, FLEXIBLE CONDUIT MAY BE USED ONLY FOR MAKING FINAL CONNECTIONS TO LIGHT FIXTURES AND EQUIPMENT. ALL EMPTY CONDUITS SHALL BE CAPPED, LABELED AND EQUIPPED WITH A 3/16" POLYPROPYLENE PULL LINE.
- CONDUCTOR SHALL BE STRANDED COPPER TYPE THHN OR THWN, MINIMUM #12 AWG, UNLESS OTHERWISE NOTED.
- DEVICE PLATES ARE REQUIRED FOR ALL WIRING DEVICES, SWITCHES, OUTLETS, AND SIMILAR APPLICATIONS. SWITCHES SHALL BE IVORY IN COLOR, RATED AT 20 AMPS AND MOUNTED AT 48" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. MOUNT ALL RECEPTACLES MIN. 18" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
- ALL RECEPTACLES SHALL BE GROUNDED DUPLEX TYPE. RECEPTACLES IN CODE REQUIRED AREAS SHALL ADDITIONALLY BE GFCI TYPE.
- GENERAL CONTRACTOR SHALL PAY ALL FEES FOR AND SECURE ALL NECESSARY PERMITS.
- CONTRACTOR SHALL DELIVER TO THE OWNER A WRITTEN GUARANTEE ON ALL WORKMANSHIP. MATERIALS AND EQUIPMENT FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE BY THE OWNER. ANY WORK FOUND TO BE FAULTY DURING THAT PERIOD OF TIME SHALL BE CORRECTED AT ONCE. UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE CONTRACTOR, THIS SHALL INCLUDE REPAIR OR REPLACEMENT OF THE PREMISES THAT MAY BE DAMAGED AS A RESULT OF FAULTY WORK AND MATERIALS FURNISHED.
- CONTRACTOR SHALL PROVIDE OWNER WITH ONE COMPLETE SET OF ELECTRICAL "AS BUILT" DRAWINGS AT THE COMPLETION OF THE JOB.
- CONTRACTOR SHALL TURN OVER TO OWNER ALL SHOP DRAWINGS, BROCHURES, CATALOGS, OPERATING MANUALS, TEST DATA AND CERTIFICATES OF COMPLETION AT JOB COMPLETION.
- EACH CONDUCTOR OF EVERY SYSTEM SHALL BE PERMANENTLY TAGGED IN EACH PANELBOARD, PULLBOX, J-BOX, IN COMPLIANCE WITH THE DEPARTMENT OF OCCUPATIONAL SAFETY AND HEALTH (OSHA).
- ALL LIGHTING FIXTURES SHALL BE INSTALLED COMPLETE WITH ALL FITTINGS, LENSES, ACCESSORIES AND LAMPS. SEE NOTES AND DETAILS ON LIGHTING SHEETS AND FIXTURE SCHEDULES. REQUESTS FOR ENGINEER'S APPROVAL OF SUBSTITUTIONS SHALL INCLUDE CATALOG CUTS OF SPECIFIED ITEMS AND SUBSTITUTIONS FOR COMPARISON.
- NEMA 3R ENCLOSURES SHALL BE USED ON ALL EQUIPMENT INSTALLED OUTDOORS.
- ALL MATERIALS, FIXTURES AND EQUIPMENT SHALL BE COVERED OR SEALED UPON INSTALLATION AS TO PROVIDE FOR SAFETY AND TO ENSURE THAT OPERATION AND APPEARANCE WILL BE MAINTAINED AFTER SUBSEQUENT CONSTRUCTION OPERATIONS. UPON COMPLETION OF WORK AND PRIOR TO FINAL INSPECTION, CONTRACTOR SHALL THOROUGHLY CLEAN ALL EXPOSED FIXTURES, TRIM AND EQUIPMENT, AND SHALL LEAVE THE ENTIRE INSTALLATION IN NEAT, CLEAN AND USEABLE CONDITION. CONTRACTOR SHALL REMOVE ALL CEMENT, PAINT, GREASE, OIL AND OTHER FOREIGN MATERIAL.
- CONTRACTOR SHALL TEST ALL WIRING FOR SHORTS, OPENS OR OTHER DEFECTS AND CORRECT ANY DEFECTS FOUND. CONTRACTOR SHALL DEMONSTRATE CONTINUOUS SATISFACTORY OPERATION OF ALL ELECTRICAL EQUIPMENT. THE OWNER RESERVES THE RIGHT TO OPERATE ANY SYSTEM OR EQUIPMENT PRIOR TO FINAL COMPLETION AND ACCEPTANCE OF THE WORK. SUCH PRELIMINARY OPERATION SHALL NOT BE CONSTRUED AS AN ACCEPTANCE OF ANY WORK. EACH PIECE OF EQUIPMENT AND ALL OF THE SYSTEMS SHALL BE ADJUSTED TO INSURE PROPER FUNCTIONING AND SHALL BE LEFT IN FIRST CLASS OPERATING CONDITION.

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DRAWING TITLE
ELECTRICAL SPECIFICATIONS

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