

ENLARGED REFLECTED CEILING PLAN AT EXTERIOR MEN'S/WOMEN'S, CHILDREN'S SINGLE OCC. RESTROOMS & EQUIPMENT STORAGE ROOM

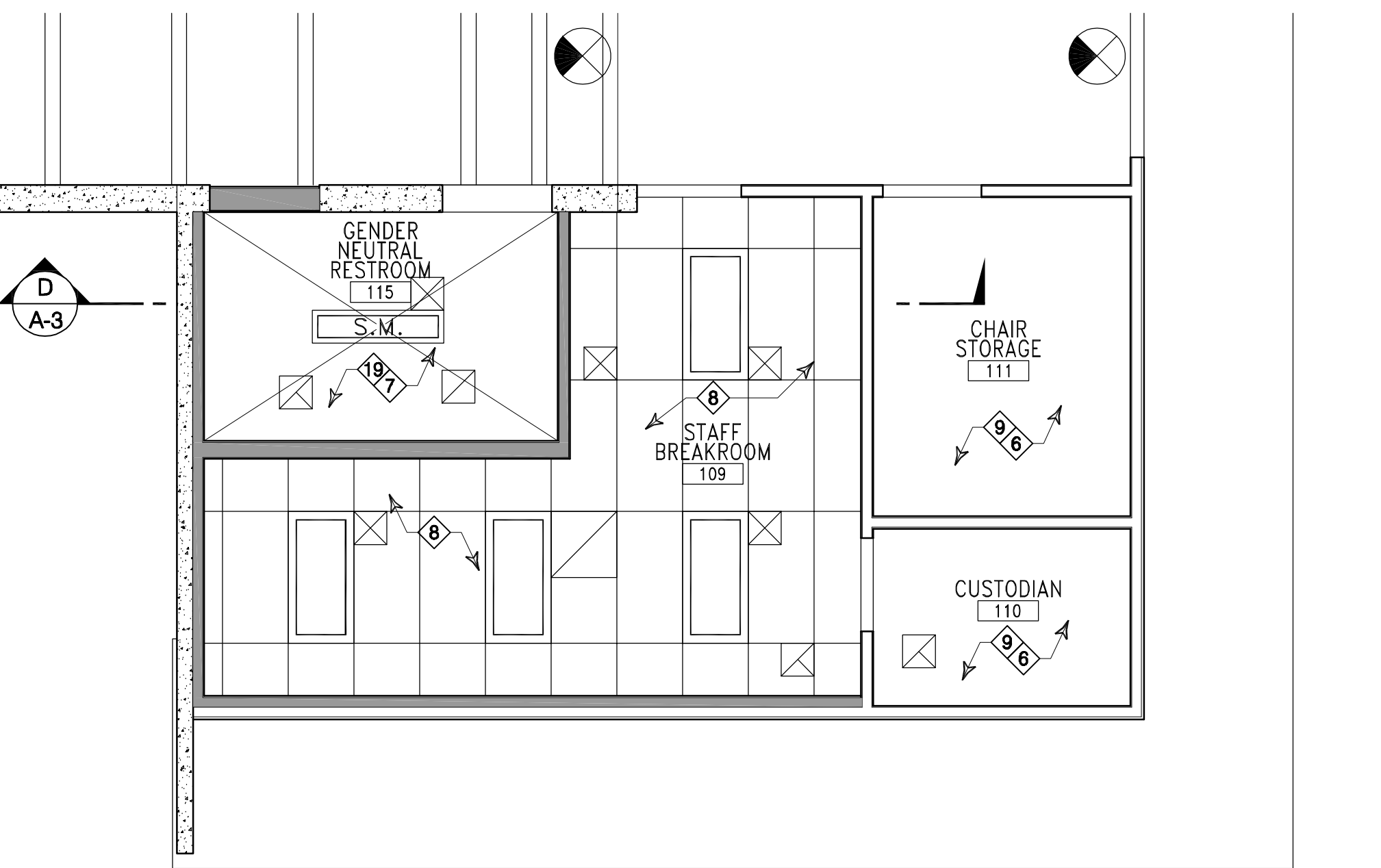
SCALE 1/4"=1'-0"

- REFLECTED CEILING PLAN KEYNOTES
1. REPLACE EXISTING H.L.D. LIGHT FIXTURES WITH L.E.D. FIXTURES.
2. UPGRADE LIGHTING CONTROLS TO COMPLY WITH TITLE 24...

- GENERAL NOTES
1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION...
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ANY OTHER PLANS PREPARED BY OTHERS...

- MECHANICAL/ELECTRICAL NOTES
HVAC:
1. REPLACE (A) EXISTING CEILING MOUNTED HEATERS w/ NEW MOTORS & FILTERS & MAKE OPERATIONAL.
ELECTRICAL:
1. THE EXISTING ELECTRICAL SERVICE IS RATED 800A, 480/277V, AND IS LOCATED IN THE POOL EQUIPMENT AREA...

- REFLECTED CEILING PLAN LEGEND
NEW 2x4 RECESSED LED LIGHT
NEW 1x4 SURFACE MOUNTED LED LIGHT FIXTURE
NEW SUPPLY AIR REGISTER (SIZE PER MECHANICAL PLANS)



ENLARGED REFLECTED CEILING PLAN AT GENDER NEUTRAL RESTROOM & STAFF AREA/KITCHENETTE

SCALE 1/4"=1'-0"

Project information block including: CRANE ARCHITECTURAL GROUP logo, CITY OF FULLERTON PUBLIC WORKS DEPARTMENT, REVISIONS table, APPROVED/ACCEPTED signatures, and SHEET 14 of 54 SHEETS.

FINISH SCHEDULE

ROOM	FLOOR	BASE	WALL		CEILING		REMARKS	
			MATERIAL	FIN.	MATERIAL	FIN.		
101 - LOBBY	4	8	9,12	20	12		REFER TO THE TYPICAL FINISH NOTES & PAINT COLORS.	
102 - GYMNASIUM	5	8	9	20	16, 17	30	28	REFER TO THE TYPICAL FINISH NOTES & PAINT COLORS.
103 - MECHANICAL AREA	5	8	9	20	16			REFER TO THE TYPICAL FINISH NOTES & PAINT COLORS.
104 - EQUIPMENT CHECK	4	8	9,12	20	12			REFER TO THE TYPICAL FINISH NOTES & PAINT COLORS.
105 - OFFICE	4	8	9,12	20	12			REFER TO THE TYPICAL FINISH NOTES & PAINT COLORS.
106 - WOMEN'S RESTROOM	21	31	32	18	32	19		REFER TO THE TYPICAL FINISH NOTES & PAINT COLORS.
107 - MEN'S RESTROOM	3	7	25	18	26	19		REFER TO THE TYPICAL FINISH NOTES & PAINT COLORS.
108 - NOT USED	-	-	-	-	-	-	-	-
109 - STAFF BREAKROOM	2	6	12	18	15			REFER TO THE TYPICAL FINISH NOTES & PAINT COLORS.
110 - CUSTODIAN	2	6	10	18	10	19		REFER TO THE TYPICAL FINISH NOTES & PAINT COLORS.
111 - CHAIR STORAGE	27	27	27	20	27	21		REFER TO THE TYPICAL FINISH NOTES & PAINT COLORS.
112 - TELE/COMM ROOM	27	27	27	20	27	21		REFER TO THE TYPICAL FINISH NOTES & PAINT COLORS.
113 - ELECTRICAL ROOM	27	27	27	20	27	21		REFER TO THE TYPICAL FINISH NOTES & PAINT COLORS.
114 - MEETING ROOM	4	8	9,12	20	15			REFER TO THE TYPICAL FINISH NOTES & PAINT COLORS.
115 - GENDER-NEUTRAL RESTROOM	3	7	11	18	10	19		REFER TO THE TYPICAL FINISH NOTES & PAINT COLORS.
116 - MEN'S RESTROOM	22	23	25	24	26	19		REFER TO THE TYPICAL FINISH NOTES & PAINT COLORS.
117 - WOMEN'S RESTROOM	22	23	25	24	26	19		REFER TO THE TYPICAL FINISH NOTES & PAINT COLORS.
118 - MULTIPURPOSE ROOM	4	8	9,12	20	15			REFER TO THE TYPICAL FINISH NOTES & PAINT COLORS.
119 - GENDER-NEUTRAL RESTROOM	3	7	11	18	10	19		REFER TO THE TYPICAL FINISH NOTES & PAINT COLORS.
120 - EQUIPMENT ROOM	1	8	12	20	12	21		REFER TO THE TYPICAL FINISH NOTES & PAINT COLORS.
121 - MULTIPURPOSE ROOM	4	8	9,12	20	15			REFER TO THE TYPICAL FINISH NOTES & PAINT COLORS.
122 - HALLWAY	4	8	9,12	20	12	21		REFER TO THE TYPICAL FINISH NOTES & PAINT COLORS.

MATERIALS AND FINISHES:

- CONCRETE, SEALED
- 6x6 QUARRY FLOOR TILE
- 2x2 MOSAIC FLOOR TILE (DALTELE MOSAIC, ELEMENTAL TAN SPECKLE D175)
- 6x36 LUXURY VINYL PLANK (LVP) TILE
- WOOD PLANK SPORTS FLOORING - NYDREE ACRYLIC INFUSED ENGINEERED HARDWOOD, COLOR: NATURAL MAPLE
- 6" COVERED QUARRY TILE BASE TO MATCH FLOOR TILE
- COVERED TILE BASE TO MATCH FLOOR TILE TO 8" A.F.F.
- 4" COVERED RUBBER BASE
- CONCRETE TILT-UP WALL PANEL
- 2" TYPE 'X' GYP. BRD. w/ SMOOTH TEXTURE
- 2" W.R. TYPE 'X' GYP. BRD. w/ SMOOTH TEXTURE
- 2" TYPE 'X' GYP. BRD. w/ ORANGE PEEL TEXTURE
- 4x4 CERAMIC TILE WAINSCOT (DALTELE CLASSIC COLOR WHEEL, ALMOND 0135) TO 54" A.F.F. w/ ACCENT TILE BAND (DALTELE MOSAIC KEYSTONES 1741, ALMOND BLEND DR22) - SEE INTERIOR ELEVATIONS
- FRP PANEL TO 54" A.F.F.
- 2x4 CORTEGA SECOND LOOK II ACOUSTIC CEILING PANELS IN (E) REPAINTED GRID SYSTEM
- (E) TECTUM ROOF PANELS TO REMAIN - SEE MATERIALS NOTE #30
- OPEN TO ROOF STRUCTURE ABOVE - SEE MATERIALS NOTE #28
- SEMI-GLOSS PAINT, PAINT COLOR #1
- SEMI-GLOSS PAINT, PAINT COLOR #2
- SATIN PAINT, PAINT COLOR #1
- SATIN PAINT, PAINT COLOR #2

MATERIALS AND FINISHES (CONTINUED):

- BASE BID: (E) FLOORING TO REMAIN.
- BID ALT #1: NEW FLOOR TILE PER MATERIAL NOTE #3
- BASE BID: (E) BASE TO REMAIN.
- BID ALT #1: NEW COVERED BASE TILE PER MATERIAL NOTE #7
- BASE BID: (E) WALL TILE TO REMAIN
- BID ALT #1: NEW WALL TILE PER MATERIAL NOTE #13
- BASE BID: (E) WALL FINISH TO REMAIN.
- BID ALT #1: NEW WALL FINISH PER MATERIAL NOTES #11 & 18
- BASE BID: (E) CEILING FINISH TO REMAIN.
- BID ALT #1: NEW CEILING FINISH PER MATERIAL NOTE #11 & 19
- (E) FINISH MATERIAL TO REMAIN, REPAIR/SEAL
- BID ALT #1: NEW WALL FINISH PER MATERIAL NOTES #11 & 18
- PREPARE AND REPAIR (E) TECTUM WALL PANELS - FLAT PAINT, SPRAY APPLIED, PAINT COLOR #3
- FLAT PAINT, PAINT COLOR #2
- EXISTING FINISH TO REMAIN
- PATCH/REPAIR AND REPAINT (E) GYP. BRD. & CONCRETE WALL SURFACES & CEILING

TYPICAL FINISH NOTES:

- VERIFY FINISHES & COLORS w/ CITY REPRESENTATIVE.
- SEE REFLECTED CEILING PLAN FOR LOCATION OF FINISHED MATERIAL INSTALLED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED FLOOR PREPARATION FOR ALL FLOORING INSTALLATIONS INCLUDING ANY MOISTURE SEALING, GRINDING, PATCHING, LEVELING, AND ANYTHING ELSE REQUIRED FOR A COMPLETE FLOORING INSTALLATION PER MANUFACTURER'S REQUIREMENTS
- ALL FINISHES SHALL COMPLY WITH THE REQUIREMENTS OF 2022 CBC SECTION 5.504.4 AND TABLES 5.504.4.1 THROUGH 5.504.4.6 LISTED ON SHEETS G-5 & G-6. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL DOCUMENTATION VERIFYING COMPLIANCE WITH THESE SECTIONS AND TABLES.
- COVERED BASE TILES SHALL HAVE A MINIMUM 1" RADIUS COVE AND SHALL EXTEND UP THE WALL A MINIMUM OF 4".
- CONCRETE FLOORS SHALL BE SEALED WITH A USDA/FDA APPROVED PENETRATING CONCRETE SEALER.
- PROVIDE FLOOR FINISH TRANSITIONS/THRESHOLDS COMPLYING w/ THE REQUIREMENTS OF DETAIL 2/G-3 WHERE DIFFERENT FLOOR FINISHES OCCUR. TRANSITION/THRESHOLDS SHOULD OCCUR AT/BELOW DOORS BETWEEN ROOMS.

PAINT COLORS:

- PAINT COLOR #1: DUNN EDWARDS "ANTIQUE WHITE" DEW351
- PAINT COLOR #2: DUNN EDWARDS "WHISPER" DEW340
- PAINT COLOR #3: DUNN EDWARDS "POROUS STONE" DE6220
- PAINT COLOR #4: DUNN EDWARDS "CLASSIC WHITE" DEHW8

WINDOW SCHEDULE

NO.	SIZE	TYPE	FRAME	MATERIAL	GLAZING	U-VALUE	SHGC	VT	REMARKS
(A)	4'-0"x5'-2" R.O. (V.I.F.)	FIXED w/ PASS-THRU (1)	NEW OFFSET FIXED	ALUMINUM (1)	WINDOW NOTE #1, 4, 5	N/A	N/A	N/A	REFER TO GENERAL NOTES & INTERIOR ELEVATIONS
(B)	4'-0"x5'-2" R.O. (V.I.F.)	FIXED (1)	NEW OFFSET FIXED	ALUMINUM (1)	WINDOW NOTE #1, 4, 5	N/A	N/A	N/A	REFER TO GENERAL NOTES & INTERIOR ELEVATIONS
(C)	8'-0"x10'-4" R.O.	FIXED H.C. METAL PANEL (2 & 3)	STEEL (2)	STEEL (3)	N/A	N/A	N/A	N/A	REFER TO GENERAL NOTES & DOO TYPE #8

GENERAL NOTES:

- ALL DIMENSIONS SHOWN INDICATE ROUGH OPENINGS (R.O.)
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD PRIOR TO CONSTRUCTION
- REFER TO THE TYPICAL DETAILS REFERENCED FOR ADDITIONAL INFORMATION
- REFER TO THE DOOR/WINDOW TYPE ELEVATIONS FOR ADDITIONAL INFORMATION

WINDOW NOTES:

- REPLACE EXISTING WINDOW SYSTEM & MODIFY OPENING FOR NEW ACCESSIBLE COUNTER & PASS-THRU WINDOW SYSTEM. INSTALL NEW ARCADIA AT175 SERIES OFFSET STOREFRONT WINDOW FRAMES w/ NEW CRJ SWB101040 VERTICAL SLIDING WINDOW SYSTEM, DARK BRONZE FINISH, GLAZING w/ WINDOW NOTE #4 & 5. STEEL PANELS TO BE MIN. 14 GA. HEAVY DUTY GALVANNEALED (A60 COATING) HOLLOW METAL DOORS, STEEL STIFFENED w/ RIGID INSULATED CORE, SMOOTH/FLUSH FACE, TEMPERED VISION LIGHTS WHERE SHOWN IN DOOR TYPE ELEVATIONS. EXTERIOR RATED POLYESTER POWDER-COATED FINISH, COLOR TO MATCH EXISTING. SEE DOOR SCHEDULE (DOOR #8 FOR ADD'L INFORMATION).
- EXTERIOR STEEL FRAMES, MIN. 14 GA., FULLY WELDED HOLLOW STEEL FRAME w/ FACTORY-APPLIED EXTERIOR-RATED POLYESTER POWDER-COATED FINISH. SEE DOOR SCHEDULE (DOOR #8 FOR ADD'L INFORMATION).
- REPLACE EXISTING GLAZING w/ NEW 3" CLEAR TEMPERED GLASS.
- INSTALL 3M SAFETY & SECURITY WINDOW FILM 540X AT CUSTOMER SIDE OF GLASS.

DOOR SCHEDULE

NO.	SIZE W X H	DOOR				FRAME		HARDWARE SET	REMARKS
		THK.	MATERIAL	FINISH	GLAZING	MATERIAL	FINISH		
(E1)	(E) DBL DOOR TO REMAIN	1	1	2	1	1	2	EXISTING PANIC HARDWARE TO REMAIN REPLACE EXTERIOR PULL/LEVER HARDWARE	GENERAL NOTES
(E2)	EXISTING DOOR TO REMAIN	1	1	2	1	1	2	EXISTING HARDWARE TO REMAIN	GENERAL NOTES
(E3)	EXISTING DOOR TO REMAIN	1	1	2	1	1	2	EXISTING HARDWARE TO REMAIN	GENERAL NOTES
(4)	NEW 3070	1-3/4"	H.C. METAL (3)	DOOR NOTE #2	N/A	STEEL (4)	PAINT (2)	HARDWARE SET #1	HARDWARE NOTES, GENERAL NOTES
(5)	NEW 3070	1-3/4"	H.C. METAL (3)	DOOR NOTE #2	N/A	STEEL (4)	PAINT (2)	HARDWARE SET #2	HARDWARE NOTES, GENERAL NOTES
(6)	NOTE USED	-	-	-	-	-	-	-	-
(7)	NEW 3070	1-3/4"	H.C. METAL (3)	DOOR NOTE #2	N/A	STEEL (4)	PAINT (2)	HARDWARE SET #4	HARDWARE NOTES, GENERAL NOTES
(8)	NEW 3070 w/ TRANSOM	1-3/4"	H.C. METAL (5)	8	N/A	STEEL (6)	8	HARDWARE SET #5	HARDWARE NOTES, GENERAL NOTES
(9)	NEW 8070 DBL	1 3/4"	H.C. METAL (5)	8	7	STEEL (6)	8	HARDWARE SET #6	SEE HARDWARE NOTES & GENERAL NOTES
(10)	NEW 3070	1-3/4"	H.C. METAL (3)	DOOR NOTE #2	N/A	STEEL (4)	PAINT (2)	HARDWARE SET #1	HARDWARE NOTES, GENERAL NOTES
(11)	NEW 22'-8"x9'-0"	3" PANELS	9	9	N/A	9	9	HARDWARE SET #8	HARDWARE NOTES, GENERAL NOTES
(12)	NEW 21070	1-3/4"	H.C. METAL (5)	8	N/A	STEEL (6)	8	HARDWARE SET #7	HARDWARE NOTES, GENERAL NOTES
(13)	NEW 21070	1-3/4"	H.C. METAL (5)	8	N/A	STEEL (6)	8	HARDWARE SET #7	HARDWARE NOTES, GENERAL NOTES

DOOR NOTES:

- EXISTING DOOR TO REMAIN, PROTECT IN PLACE.
- NEW PAINT FINISH, SEMI-GLOSS
- INTERIOR DOORS TO BE 16 GA. HOLLOW METAL DOORS, STEEL STIFFENED w/ SOUND INSULATION, SMOOTH/FLUSH FACE & PAINT GRADE FINISH.
- INTERIOR DOOR FRAMES TO BE 16 GA. WELDED HOLLOW METAL FRAMES, PAINT GRADE FINISH.
- EXTERIOR DOORS TO BE MIN. 14 GA. HEAVY DUTY GALVANNEALED (A60 COATING) HOLLOW METAL DOORS, STEEL STIFFENED w/ RIGID INSULATED CORE, SMOOTH/FLUSH FACE, TEMPERED VISION LIGHTS WHERE SHOWN IN DOOR TYPE ELEVATIONS.
- EXTERIOR STEEL DOOR FRAMES, MIN. 14 GA., FULLY WELDED HOLLOW STEEL FRAME w/ FACTORY-APPLIED EXTERIOR-RATED POLYESTER POWDER-COATED FINISH
- 1" DUAL GALZED INSULATED LOW "E" GLASS, TINT TO MATCH EXISTING WINDOWS.
- EXTERIOR REATED POLYESTER POWDER-COATED FINISH, COLOR TO MATCH EXISTING.
- MODERCO EXCEL 332 OPERABLE PARTITION (STC RATING OF 48) w/ VINYL PANEL FINISH, ANODIZED ALUMINUM FRAMES & TRACK, & PA-72 ACOUSTICAL POCKET DOORS.

HARDWARE SET #1:
LEVER LOCKSET w/ OCCUPANCY INDICATOR
HEAVY DUTY CLOSURE
ACCESSIBLE FLOOR TRANSITION
GENDER NEUTRAL RESTROOM SIGNAGE
ACCESSIBLE THRESHOLD
TACTILE EXIT SIGNAGE

HARDWARE SET #2:
EXISTING PUSH/PULL HARDWARE TO REMAIN
EXISTING DEAD BOLT TO REMAIN
PULL HANDLE ON PUSH SIDE (LOWER TO ACCESSIBLE HEIGHT)
ACCESSIBLE FLOOR TRANSITION
EXISTING HINGES TO REMAIN

HARDWARE SET #3:
LEVER LOCKSET
NRP HINGES
ACCESSIBLE FLOOR TRANSITION

HARDWARE SET #4:
NEW LEVER LOCKSET
EXISTING HINGES

HARDWARE SET #5:
PANIC HARDWARE @ INTERIOR
LEVER TRIM w/ DEAD BOLT @ EXTERIOR
CONTINUOUS GEARED HINGE
HEAVY DUTY CLOSURE
ACCESSIBLE THRESHOLD
NEW HEAVY DUTY CLOSURES

HARDWARE SET #6:
NEW PANIC HARDWARE @ INTERIOR
NEW PULL HARDWARE @ EXTERIOR
NEW DEADBOLT
ACCESSIBLE THRESHOLD
NEW CONTINUOUS GEARED HINGES
NEW HEAVY DUTY CLOSURES

HARDWARE SET #7:
NEW PUSH/PULL HARDWARE
NEW DEADBOLT
ACCESSIBLE THRESHOLD
NEW CONTINUOUS GEARED HINGES
NEW HEAVY DUTY CLOSURE
NEW HOLD OPEN

HARDWARE SET #8:
PER MANUFACTURER FOR MANUAL OPERATION

GENERAL NOTES:

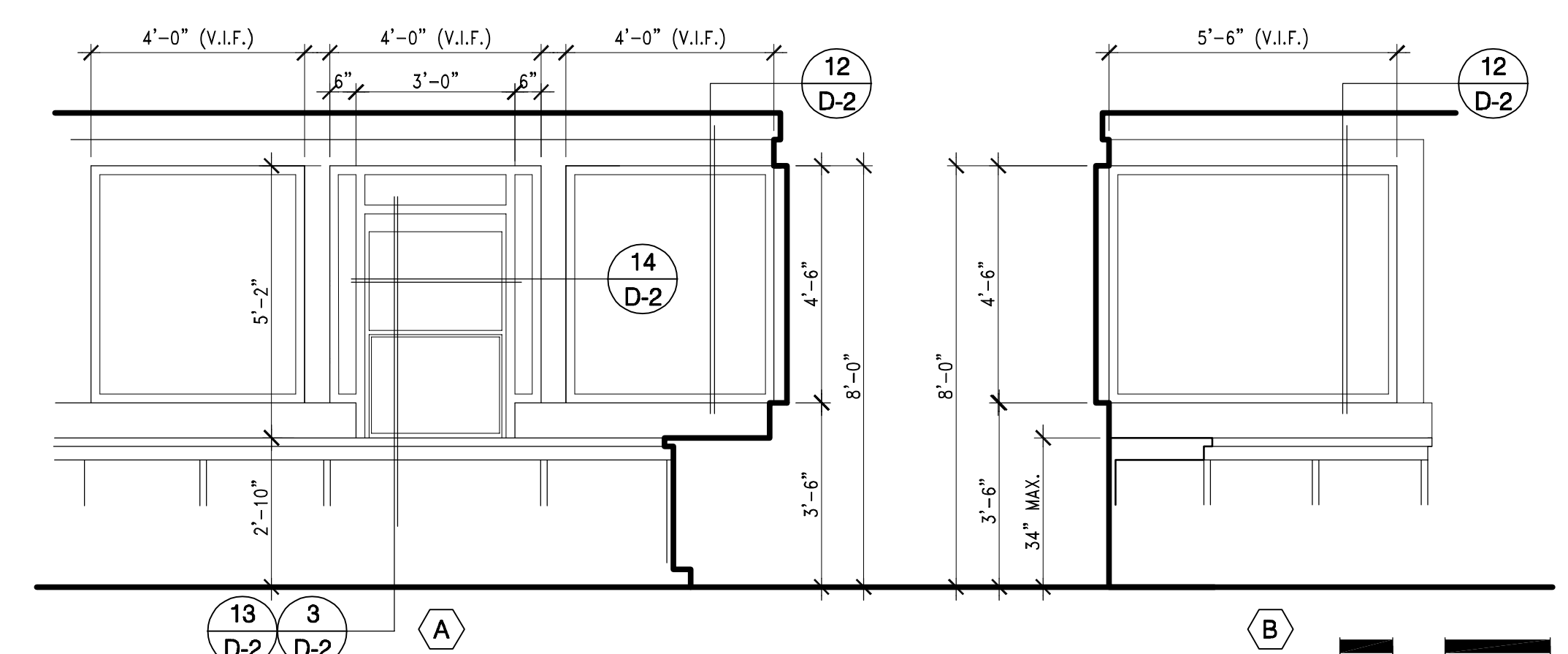
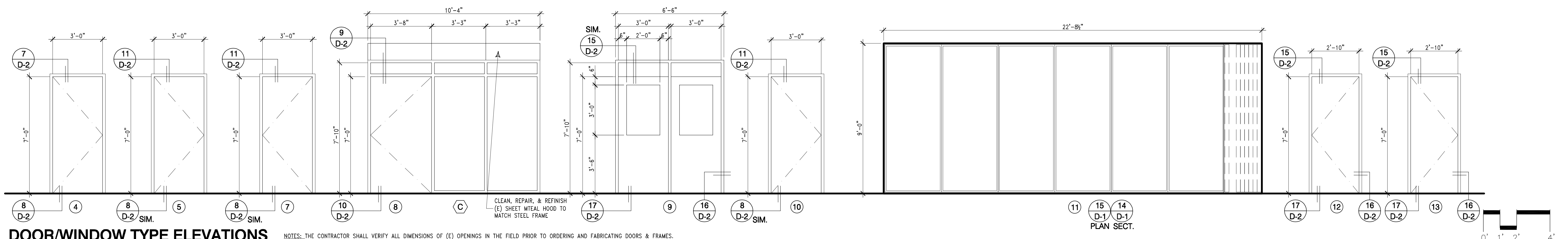
- DOOR HANDLES, PULLS, LATCHES, LOCKS, & OTHER OPERATING DEVICES ON DOORS REQUIRED TO BE ACCESSIBLE SHALL NOT REQUIRE TIGHT GRASPING, TIGHT TWISTING OR PINCHING OF THE WRIST TO OPERATE. MANUALLY OPERATED BOLTS OR SURFACE BOLTS ARE NOT PERMITTED. THE UNLATCHING OF ANY DOOR OR LEAF SHALL NOT REQUIRE MORE THAN ONE OPERATION (CBC 1008.1.9.1, 1008.1.9.4, 1008.1.9.5)
- EGRESS DOORS SHALL BE OF THE PIVOT OR SIDE HINGE SWING TYPE.
- PANIC & FIRE EXIT HARDWARE SHALL SATISFY THE FOLLOWING (CBC 1008.1.10):
a. THE ACTUATING PORTION OF THE RELEASING DEVICE SHALL EXTEND AT LEAST ONE-HALF OF THE DOOR LEAF WIDTH.
b. THE MAXIMUM UNLATCHING FORCE DOES NOT EXCEED 5 POUNDS (CBC SECTION 11B-309)
- PIVOT OR BALANCED DOORS SHALL BE OF THE PUSH-PAD TYPE WHERE PANIC HARDWARE IS REQUIRED, AND THE PAD SHALL NOT EXTEND ACROSS MORE THAN ONE-HALF OF THE DOOR WIDTH, MEASURED FROM THE LATCH SIDE.
- REFER TO THE ACCESSIBLE DOOR & HARDWARE NOTES & DETAILS ON SHEETS G-2 & G-3 FOR ADDITIONAL INFORMATION.
- REFER TO DETAIL 3/G-3 FOR MINIMUM AND MAXIMUM DOOR HARDWARE INSTALLATION HEIGHT REQUIREMENTS.
- ALL LOUVERS SHALL BE ALUMINUM, RATED FOR EXTERIOR USE, HAVE DRAINABLE BLADES, BE OF WEATHER RESISTANT DESIGN, & SHALL HAVE AN INSECT SCREEN.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF (E) OPENINGS IN THE FIELD PRIOR TO ORDERING AND FABRICATING DOORS & FRAMES.

HARDWARE NOTES (CONTINUED):

- ALL DOOR HARDWARE, TRIM, & ACCESSORIES SHALL BE OF THE HEAVY DUTY TYPE.
- PROVIDE RECESSED DOOR POSITION SWITCHES TIED INTO THE BUILDING ALARM/SECURITY SYSTEM. CONTRACTOR MUST COORDINATE w/ THE CITY'S ALARM VENDOR AND PROVIDE ALL REQUIRED DOOR/FRAME PREP, EQUIPMENT, CONDUIT, WIRING, & EVERYTHING ELSE FOR A COMPLETE FINISHED OPERATIONAL SYSTEM

HARDWARE NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE HARDWARE PACKAGE FOR ALL DOORS, WHETHER SPECIFICALLY LISTED ABOVE OR NOT. THE CONTRACTOR SHALL SUBMIT HARDWARE SHOP DRAWING FOR REVIEW INCLUDING A COMPLETE HARDWARE SCHEDULE WITH HARDWARE SETS.
- REFER TO SPECIFICATION SECTION 08 71 00 FOR ADDITIONAL INFORMATION.



CRANE ARCHITECTURAL GROUP
Innovations in Architecture

110 E. WILSHIRE AVE., SUITE 300
FULLERTON, CA 92632

714.825.0063
FAX 714.825.9828

5/27/26 C25-105

THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF:

STAMP

SIGNATURE _____ DATE _____

REVISIONS

NUMBER	DESCRIPTION	DATE	DRAWN	S.K.	DATE

CITY OF FULLERTON
PUBLIC WORKS DEPARTMENT
INDEPENDENCE PARK GYM RENOVATION
CIP PROJECT 54691

DOOR, WINDOW, & FINISH SCHEDULES

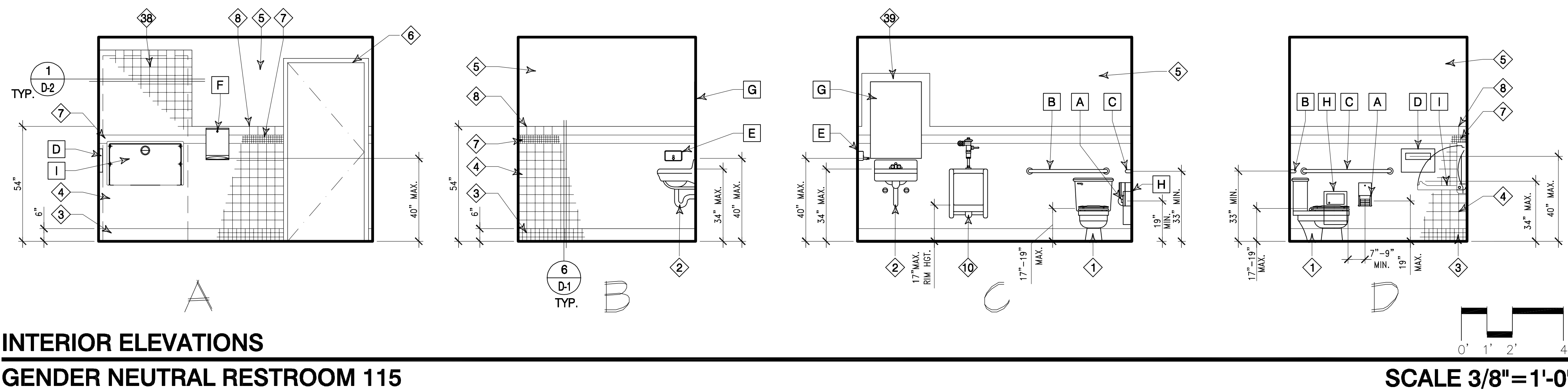
APPROVED: _____ DATE: 05/29/2026
CITY ENGINEER/ASSISTANT PUBLIC WORKS DIRECTOR

ACCEPTED: _____ DATE: _____
PUBLIC WORKS DIRECTOR

SCALE: AS NOTED

B.M.: N/A

SHEET 15 OF 54 SHEETS
FILE: MISC 5437



RESTROOM ACCESSORIES SCHEDULE						
NO.	DESCRIPTION	MANUFACTURER	MODEL #	FINISH	WXxHD	ROOM
A	2-ROLL CONTURA SERIES	BOBRICK	B-4288	ST. STL.	PER MANUFACTURER	ALL RESTROOMS
B	36" GRAB BAR	BOBRICK	B-5806x36	SATIN S/S	SEE FLOOR PLAN, ELEVATIONS, & SPECIFICATIONS	ALL RESTROOMS
C	48" GRAB BAR	BOBRICK	B-5806x48	SATIN S/S	SEE FLOOR PLAN, ELEVATIONS, & SPECIFICATIONS	ALL RESTROOMS
D	TOILET SEAT COVER DISP. (SURF. MOUNTED)	BOBRICK	B-4221	SATIN S/S	PER MANUFACTURER'S SPECIFICATIONS	ALL RESTROOMS
E	SOAP DISPENSER	BOBRICK	B-2112	SATIN S/S	PER MANUFACTURER'S SPECIFICATIONS	ALL RESTROOMS
F	PAPER TOWEL DISPENSER	ENMOTION IMPULSE	10" ROLL	PLASTIC, GRAY	PER MANUFACTURER'S SPECIFICATIONS	ALL RESTROOMS
G	MIRROR	BOBRICK	B-2908 24x36	TEMPERED	24"W x 36"H	ALL RESTROOMS
H	SANITARY NAPKIN DISPOSAL	BOBRICK	B-270	SATIN S/S	PER MANUFACTURER'S SPECIFICATIONS	ALL RESTROOMS
I	BABY CHANGING STATION	KOALA KARE	KB300 (BEIGE)	PLASTIC	PER MANUFACTURER	ALL RESTROOMS

ENLARGED FLOOR PLAN & INTERIOR ELEVATION KEYNOTES

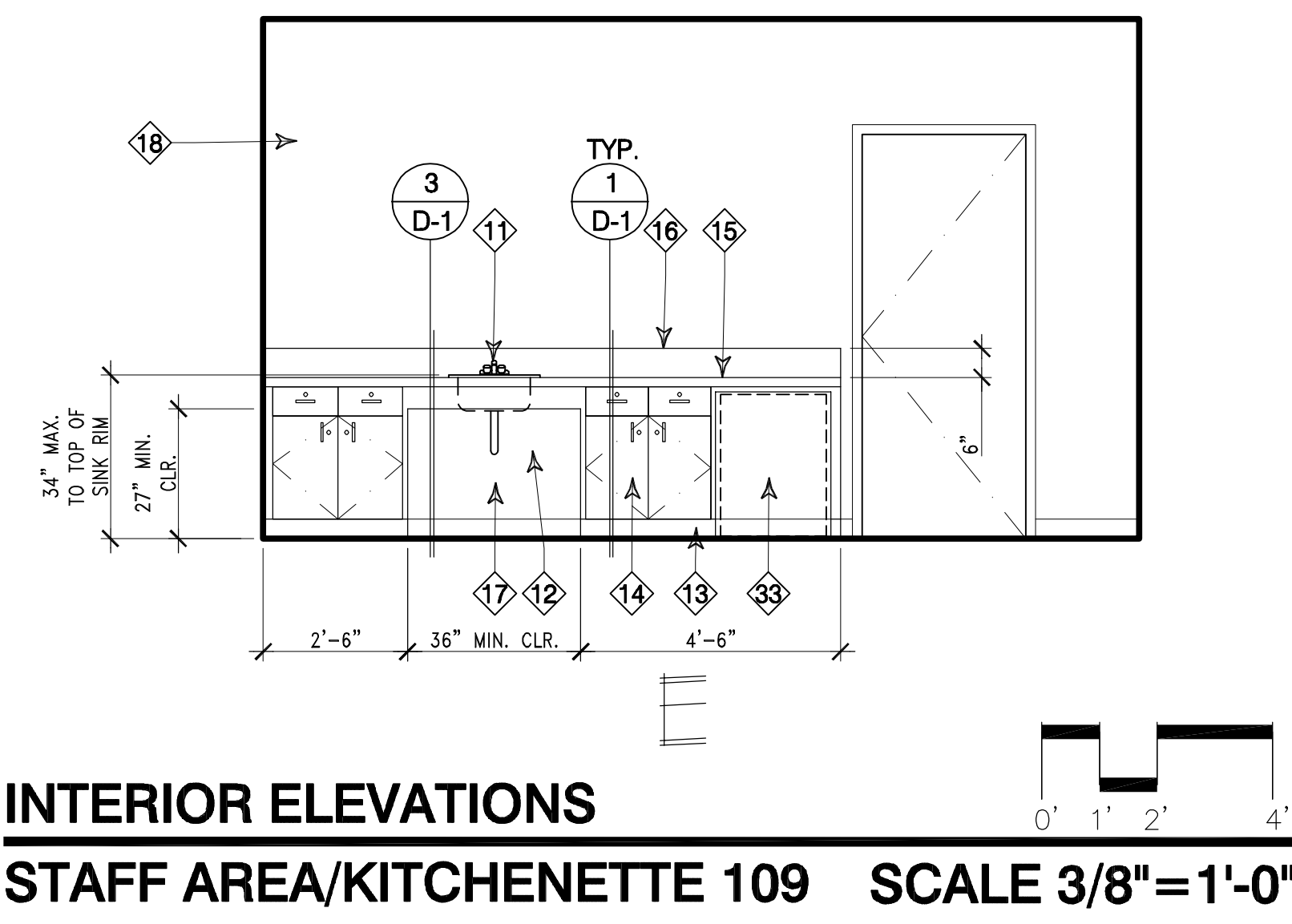
- 1 ACCESSIBLE TOILET PER DETAILS 7&9/G-3. SEE PLUMBING PLANS FOR ADD'L INFORMATION
- 2 ACCESSIBLE LAVATORY PER DETAILS 11/G-3. SEE PLUMBING PLANS FOR ADD'L INFORMATION
- 3 6" CERAMIC COVED TILE BASE PER FINISH SCHEDULE - SEE DETAIL 6/D-1
- 4 4"x4" CERAMIC TILE WAINSCOT PER FINISH SCHEDULE - SEE DETAIL 6/D-1
- 5 8" GYP. BRD. FINISH w/ SMOOTH TEXTURE & SEMI-GLOSS PAINT
- 6 3070 DOOR & FRAME. SEE DOOR SCHEDULE FOR ADD'L INFORMATION
- 7 4" H. 1x1 MOSAIC TILE ACCENT BAND
- 8 4x4 CERAMIC TILE w/ BULLNOSED TOP
- 9 ACCESSIBLE RESTROOM SIGNAGE PER DETAIL 14/G-3
- 10 ACCESSIBLE URINAL PER DETAIL 10/G-3. SEE PLUMBING PLANS FOR ADD'L INFORMATION
- 11 STAINLESS STEEL SINGLE-BOWL SINK & FAUCET PER PLUMBING PLANS
- 12 INSTALL PIPE INSULATION AT ALL WATER & SEWER LINES IN CLEAR SPACE
- 13 RUBBER COVERED BASE PER FINISH SCHEDULE
- 14 WOOD PATTERNED PLASTIC LAMINATE CABINETRY FRONTS
- 15 SOLID SURFACE COUNTERTOP
- 16 SOLID SURFACE BACKSPLASH TO MATCH COUNTER TOP
- 17 CLEAR SPACE BELOW COUNTER- CARRY ALL FLOOR, BASE, & CABINETRY FINISHES INTO ALL SIDES OF CLEAR SPACE.
- 18 8" W.R. GYP. BRD. w/ ORANGE PEEL TEXTURE & SEMI-GLOSS PAINT
- 19 (E) CONCRETE STEM-WALL TO REMAIN, SATIN FINISH PAINT
- 20 MODIFY/CUT DOWN CONCRETE STEM-WALL @ PASS-THRU WINDOW AS REQUIRED FOR NEW ACCESSIBLE COUNTER
- 21 NEW PLASTIC LAMINATED COUNTER AT ACCESSIBLE HEIGHT, COLOR TO MATCH EXISTING CABINETRY
- 22 RELOCATE EXISTING METAL BRACKETS
- 23 EXISTING WOOD POST/TRIM TO REMAIN, REPAINT
- 24 REPLACE EXISTING WINDOW FRAME & GLAZING w/ NEW 1/4" TEMPERED GLASS PER THE WINDOW SCHEDULE ON A-6
- 25 INSTALL NEW WINDOW SYSTEM w/ PASS-THRU AT ACCESSIBLE COUNTER - SEE WINDOW SCHEDULE ON A-6
- 26 NEW CABINETRY & SHELVING PER INTERIOR ELEVATIONS
- 27 NEW ACCESSIBLE COUNTER w/ PLASTIC LAMINATE FINISH TO MATCH EXISTING
- 28 LEVEL LANDINGS @ DOORS PER DETAIL 1/G-3.
- 29 COUNTERTOP ICE MAKER PROVIDED/INSTALLED BY CITY. PROVIDE ABOVE COUNTER RECESSED ELECTRICAL WALL OUTLET.
- 30 COFFEE MAKE PROVIDED/INSTALLED BY CITY. PROVIDE ABOVE COUNTER RECESSED ELECTRICAL WALL OUTLET.
- 31 MICROWAVE PROVIDED/INSTALLED BY CITY. PROVIDE ABOVE COUNTER RECESSED ELECTRICAL WALL OUTLET
- 32 REFER TO DETAIL 12/S-2 FOR TYPICAL SLAB REPAIR/REPLACEMENT REQUIREMENTS. COORDINATE WITH PLUMBING PLANS. CONTRACTOR TO COORDINATE/VERIFY EXTENT OF SLAB REMOVAL & REPLACEMENT w/ PLUMBING PLANS & IN FIELD.
- 33 NEW UNDERCOUNTER REFRIGERATOR PROVIDED BY CITY. PROVIDE ELECTRICAL OUTLET BELOW COUNTER. VERIFY DIMENSIONS w/ CITY STAFF
- 34 MODIFY/REBUILD EXISTING ALARM PANEL CABINET - SEE INT ELEV Y/A-8
- 35 REMOVE (1) & RELOCATE (3) EXISTING ELECTRICAL PLUGS AS SHOWN.

ENLARGED FLOOR PLAN
GENDER NEUTRAL RESTROOM/STAFF BREAKROOM
 SCALE 3/8" = 1'-0"

REMODEL FLOOR PLAN WALL LEGEND

- 1 EXISTING CONCRETE TILT-UP WALL TO REMAIN
- 2 EXISTING WINDOW WALL ABOVE CONCRETE STEMWALL TO REMAIN
- 3 EXISTING WOOD STUD WALL ABOVE CONCRETE STEMWALL TO REMAIN
- 4 EXISTING INTERIOR WOOD STUD WALL TO REMAIN
- 5 NEW 2x6 WOOD STUD WALL w/ 8" W.R. TYPE 'X' GYP. BRD. BOTH SIDES
- 6 NEW 2x4 WOOD STUD WALL w/ 8" TYPE 'X' GYP. BRD. BOTH SIDES, W.R. @ RESTROOM SIDE & ADJACENT TO PLUMBING FIXTURES.
- 7 EXISTING CONCRETE TILT-UP WALL TO REMAIN w/ NEW 2x4 WOOD STUD FURRING @ INTERIOR SIDE w/ 8" TYPE 'X' GYP. BRD.
- 8 EXISTING WOOD STUD WALL ABOVE EXISTING CONCRETE STEM WALL TO REMAIN w/ NEW 2x6 WOOD STUD FURRING @ INTERIOR w/ 8" TYPE 'X' GYP. BRD.
- 9 INFILL EXISTING OPENING IN CONCRETE TILT-UP WALL PANELS w/ 2x8 WOOD STUDS w/ 5/8" TYPE 'X' GYP. BRD. BOTH SIDES, W.R. @ RESTROOM - SEE DETAIL 1/D-2

NOTE: REFER TO DETAILS 5/D-1 & 10.11/S-2 FOR TOP/SILL CONNECTIONS.

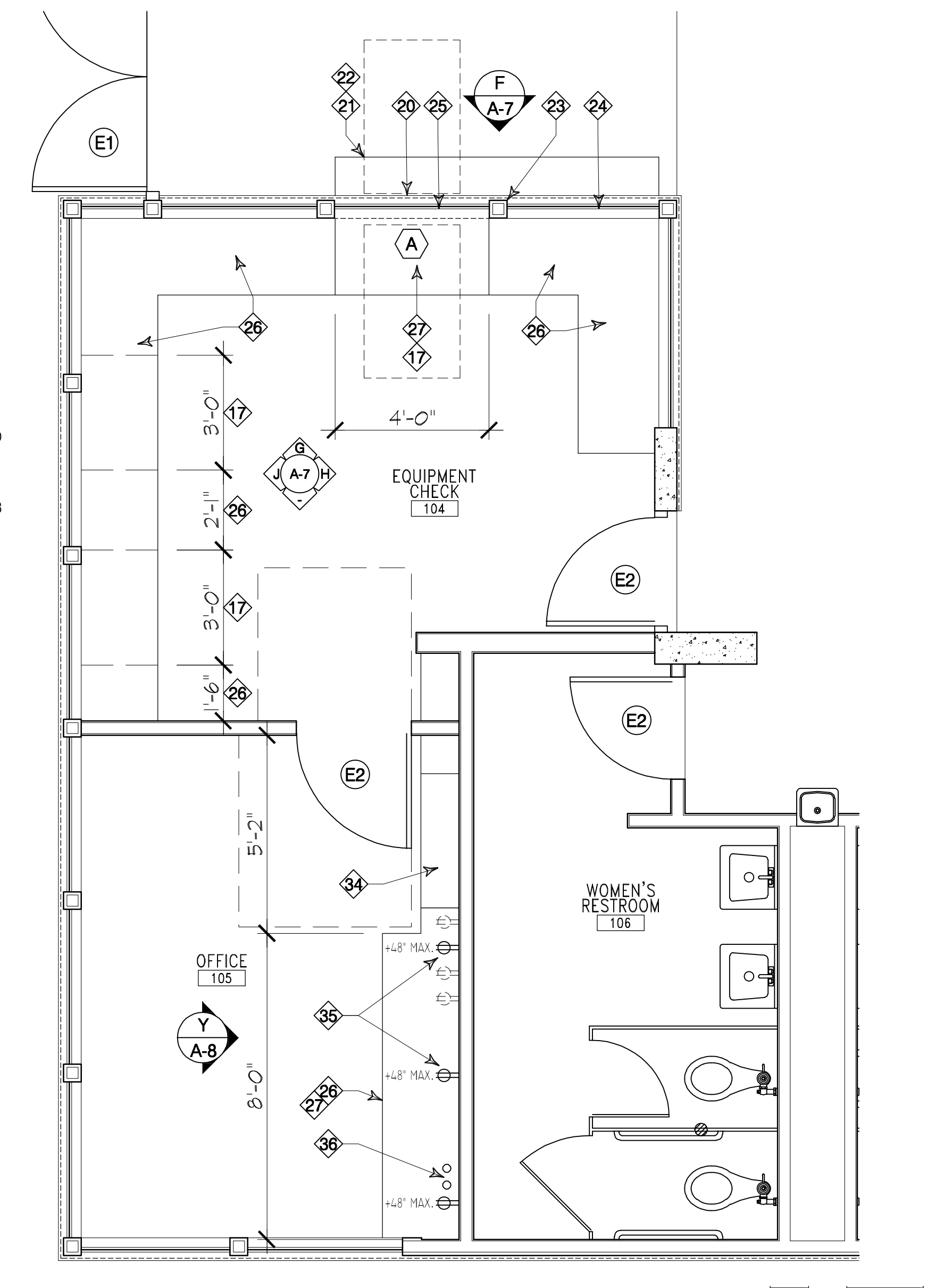
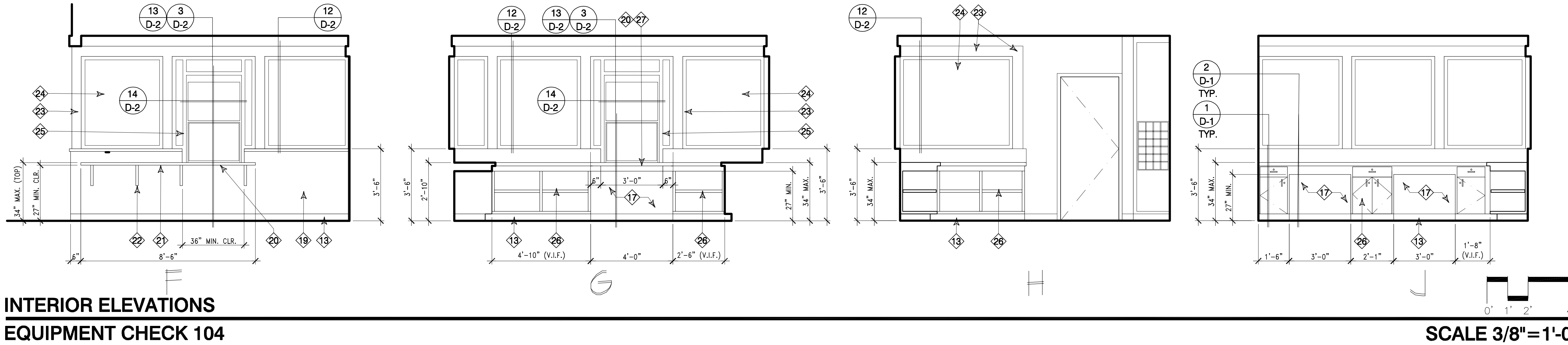


INTERIOR ELEVATION NOTES

1. REFER TO THE ACCESSIBILITY NOTES ON SHEETS G-2 AND DETAILS ON SHEET G-3. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL OF THE REQUIREMENTS INCLUDED IN THE ACCESSIBILITY NOTES AND SHOWN IN THE ACCESSIBILITY DETAILS
2. REFER TO THE PLUMBING PLANS FOR ADDITIONAL INFORMATION.
3. REFER TO THE FINISH SCHEDULE ON SHEET A-6 FOR ADDITIONAL INFORMATION.
4. IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE THE INFORMATION SHOWN ON THIS DRAWING SHEET WITH ALL THE INFORMATION SHOWN ON OTHER DRAWING SHEETS INCLUDED THROUGHOUT THE PLAN SET.
5. INSTALL ALL RESTROOM AND OTHER ACCESSORIES PER MANUFACTURER'S SPECIFICATIONS AND DETAILS.
6. FOR RESTROOM ACCESSORY INSTALLATION @ WOOD STUD WALLS, PROVIDE ALL REQUIRED BACKING AND/OR BLOCKING AS REQUIRED FOR THE PROPER INSTALLATION OF ALL ACCESSORIES PER MANUFACTURER'S SPECIFICATIONS. MINIMUM BACKING/BLOCKING SHALL BE 4x6 OR 6x6 BLOCKING BETWEEN STUDS, 1" THK. PLYWOOD, OR 6" MIN. x 12 GA. SHEET METAL, U.N.O. USE SIMPSON SDWS 3"L. SCREWS, 4 PER BLOCKING/BACKING PER STUD.

KEYNOTES (CONTINUED)

- 36 CUT DOWN & CAP (E) ELECTRIC CONDUITS FLUSH TO FLOOR
- 37 CLEAR FLOOR SPACE & STRIKE EDGES AT DOORS PER DETAIL 1/G-3
- 38 CONTINUE TILE FINISH OVER DOORWAY INFILL. SEE DETAIL 1/D-2.
- 39 PROVIDE A BULLNOSE TILE AT ALL EDGES.
- 40 CARRY TILE BEHIND MIRROR. PROVIDE BULLNOSE TILE AT ALL EDGES
- 41 NEW FLOOR DRAIN PER PLUMBING PLANS
- 42 SLOPE MORTAR BED & TILE FLOOR TO DRAIN (MAX. 1/4" FLOOR ELEVATION DIFFERENCE)



INTERIOR ELEVATIONS
EQUIPMENT CHECK 104

ENLARGED FLOOR PLAN
EQUIPMENT CHECK/OFFICE
 SCALE 3/8" = 1'-0"

CRANE ARCHITECTURAL GROUP
 Innovations in Architecture
 110 E. WILSHIRE AVE., SUITE 300 714825-0983
 FULLERTON, CA 92632 FAX 714825-9828

REVISIONS		DATE	DRAWN	INITIALS	DATE
NUMBER	DESCRIPTION				

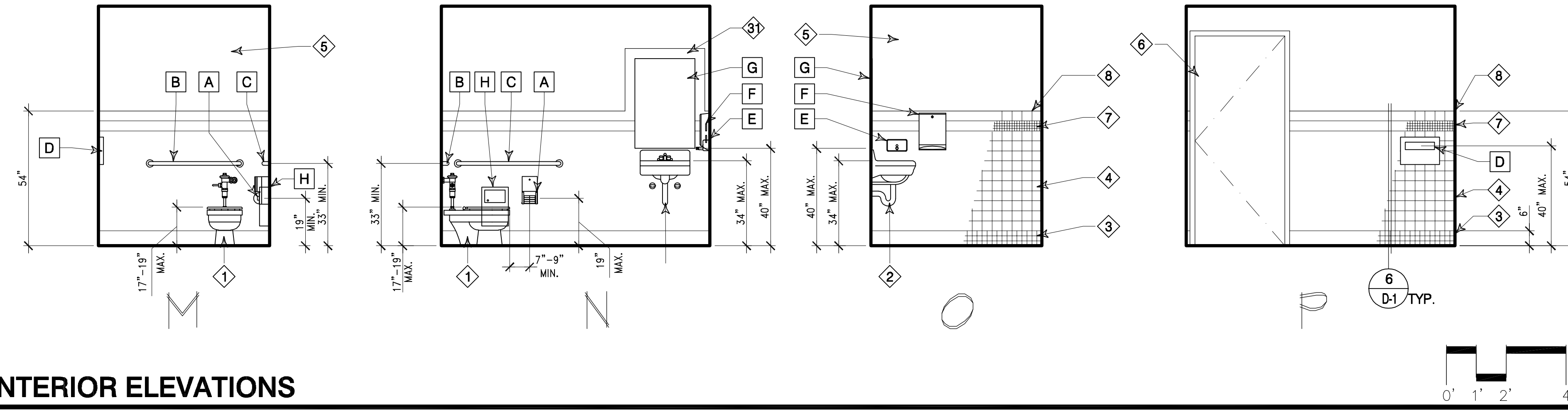
CITY OF FULLERTON
 PUBLIC WORKS DEPARTMENT
 INDEPENDENCE PARK GYM RENOVATION
 CIP PROJECT 54691

ENLARGED FLOOR PLANS & INTERIOR ELEVATIONS

APPROVED: *[Signature]* DATE: 05/29/2026
 CITY ENGINEER/ASSISTANT PUBLIC WORKS DIRECTOR

ACCEPTED: *[Signature]* DATE: _____
 PUBLIC WORKS DIRECTOR

SCALE: AS NOTED SHEET 16 of 54 SHEETS
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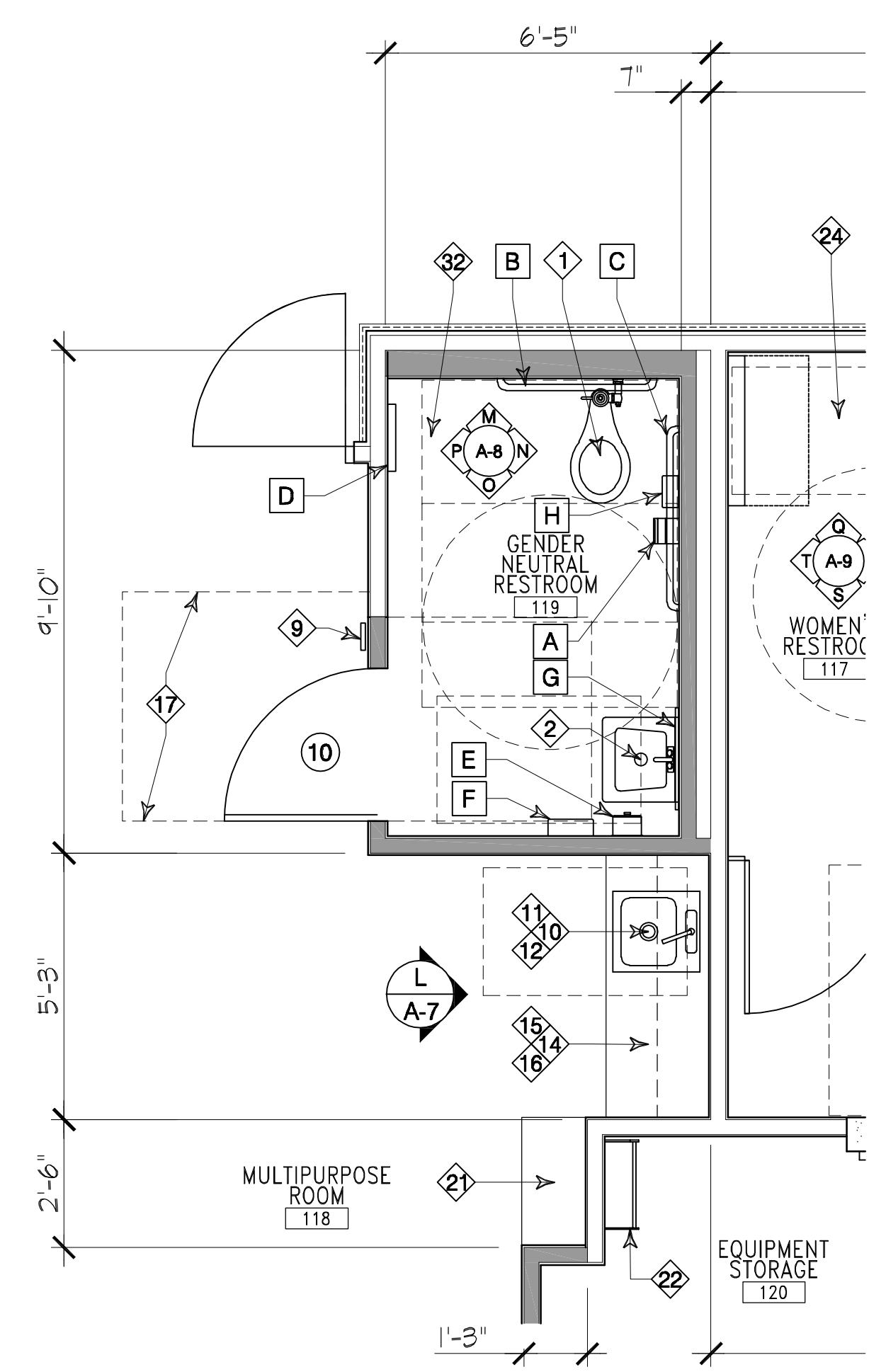
INTERIOR ELEVATIONS
GENDER NEUTRAL RESTROOM 119

SCALE 3/8" = 1'-0"

RESTROOM ACCESSORIES SCHEDULE								
NO.	DESCRIPTION	MANUFACTURER	MODEL #	FINISH	WxHxD	ROOM	INSTALL HEIGHT	REMARKS
A	2-ROLL CONTURA SERIES	BOBRICK	B-4288	ST. STL.	PER MANUFACTURER	ALL RESTROOMS	19" A.F.F. MIN. TO CENTER	SEE DETAIL 9/G-3
B	36" GRAB BAR	BOBRICK	B-5806x36	SATIN S/S	SEE FLOOR PLAN, ELEVATIONS, & SPECIFICATIONS	ALL RESTROOMS	33" A.F.F. TO CTR.	SEE DETAILS 7A9/G-3
C	48" GRAB BAR	BOBRICK	B-5806x48	SATIN S/S	SEE FLOOR PLAN, ELEVATIONS, & SPECIFICATIONS	ALL RESTROOMS	33" A.F.F. TO CTR.	SEE DETAILS 7A9/G-3
D	TOILET SEAT COVER DISP. (SURF. MOUNTED)	BOBRICK	B-4221	SATIN S/S	PER MANUFACTURER'S SPECIFICATIONS	ALL RESTROOMS	40" MAX.	SEE DETAIL 9/G-3
E	SOAP DISPENSER	BOBRICK	B-2112	SATIN S/S	PER MANUFACTURER'S SPECIFICATIONS	ALL RESTROOMS	40" MAX.	SEE DETAIL 12/G-3
F	PAPER TOWEL DISPENSER	ENMOTION IMPULSE	10" ROLL	PLASTIC, GRAY	PER MANUFACTURER'S SPECIFICATIONS	ALL RESTROOMS	40" MAX.	SEE DETAIL 12/G-3
G	MIRROR	BOBRICK	B-2908 24x36	TEMPERED	24"W.x36"H.	ALL RESTROOMS	40" MAX. A.F.F. TO BOT. OF REFLECTIVE SURFACE	SEE DETAIL 11/G-3
H	SANITARY NAPKIN DISPOSAL	BOBRICK	B-270	SATIN S/S	PER MANUFACTURER'S SPECIFICATIONS	ALL RESTROOMS	19" A.F.F. TO CENTER OF OPENING	SEE DETAIL 9/G-3
I	BABY CHANGING STATION	KOALA KARE	KB300 (BEIGE)	PLASTIC	PER MANUFACTURER	ALL RESTROOMS	46.5" RECOMMENDED	SEE DETAIL 13/G-3

ENLARGED FLOOR PLAN & INTERIOR ELEVATION KEYNOTES

- 1 CHILD'S ACCESSIBLE TOILET PER DETAILS 7A9/G-3. SEE PLUMBING PLANS FOR ADD'L INFORMATION
- 2 CHILD'S ACCESSIBLE LAVATORY PER DETAILS 11/G-3. SEE PLUMBING PLANS FOR ADD'L INFORMATION
- 3 6" CERAMIC COVED TILE BASE PER FINISH SCHEDULE - SEE DETAIL 6/D-1
- 4 4"x4" CERAMIC TILE WAINSCOT PER FINISH SCHEDULE - SEE DETAIL 6/D-1
- 5 8" GYP. BRD. FINISH W/ SMOOTH TEXTURE & SEMI-GLOSS PAINT
- 6 3070 DOOR & FRAME. SEE DOOR SCHEDULE FOR ADD'L INFORMATION
- 7 4"H. 1x1 MOSAIC TILE ACCENT BAND
- 8 4x4 CERAMIC TILE W/ BULLNOSED TOP
- 9 ACCESSIBLE RESTROOM SIGNAGE PER DETAIL 14/G-3
- 10 STAINLESS STEEL SINGLE-BOWL SINK & FAUCET PER PLUMBING PLANS
- 11 CLEAR SPACE BELOW SINK - CARRY ALL FLOOR, BASE, & CABINERY FINISHES INTO ALL SIDES OF CLEAR SPACE
- 12 INSTALL PIPE INSULATION AT ALL WATER & SEWER LINES IN CLEAR SPACE
- 13 RUBBER COVED BASE PER FINISH SCHEDULE
- 14 NEW CABINERY W/ WOOD PATTERNED PLASTIC LAMINATE CABINERY FRONTS & MELAMINE INTERIOR
- 15 SOLID SURFACE COUNTERTOP
- 16 SOLID SURFACE BACKSPASH TO MATCH COUNTER TOP
- 17 LEVEL LANDINGS @ DOORS PER DETAIL 1/G-3
- 18 1/2" W.R. GYP. BRD. W/ ORANGE PEEL TEXTURE & SEMI-GLOSS PAINT
- 19 EXISTING DOOR TO REMAIN
- 20 NEW MOVEABLE PARTITION SYSTEM W/ POCKET DOORS
- 21 NEW STORAGE CABINET W/ WOOD PATTERNED PLASTIC LAMINATED FRONTS & MELAMINE INTERIOR W/ ADJUSTABLE SHELVING W/ MELAMINE FINISH
- 22 EXISTING ROOF ACCESS LADDER W/ ROOF ACCESS HATCH ABOVE TO REMAIN
- 23 REFER TO DETAIL 12/S-2 FOR TYPICAL SLAB REPAIR/REPLACEMENT REQUIREMENTS. COORDINATE WITH PLUMBING PLANS. CONTRACTOR TO COORDINATE/VERIFY EXTENT OF SLAB REMOVAL & REPLACEMENT W/ PLUMBING PLANS & IN FIELD.



ENLARGED FLOOR PLAN
GENDER NEUTRAL RESTROOM 119 & MULTIPURPOSE ROOM 118

SCALE 3/8" = 1'-0"

REMODEL FLOOR PLAN WALL LEGEND

- EXISTING WOOD STUD WALL ABOVE CONCRETE STEMWALL TO REMAIN
- EXISTING INTERIOR WOOD STUD WALL TO REMAIN
- NEW 2x6 WOOD STUD WALL W/ 8" W.R. TYPE 'X' GYP. BRD. BOTH SIDES
- NEW 2x4 WOOD STUD WALL W/ 8" TYPE 'X' GYP. BRD. BOTH SIDES, W.R. @ RESTROOM SIDE & ADJACENT TO PLUMBING FIXTURES
- EXISTING WOOD STUD WALL ABOVE CONCRETE STEMWALL TO REMAIN W/ NEW 2x6 WOOD STUD FURRED WALL @ INTERIOR TO 5/8" W.R. GYP. BRD.

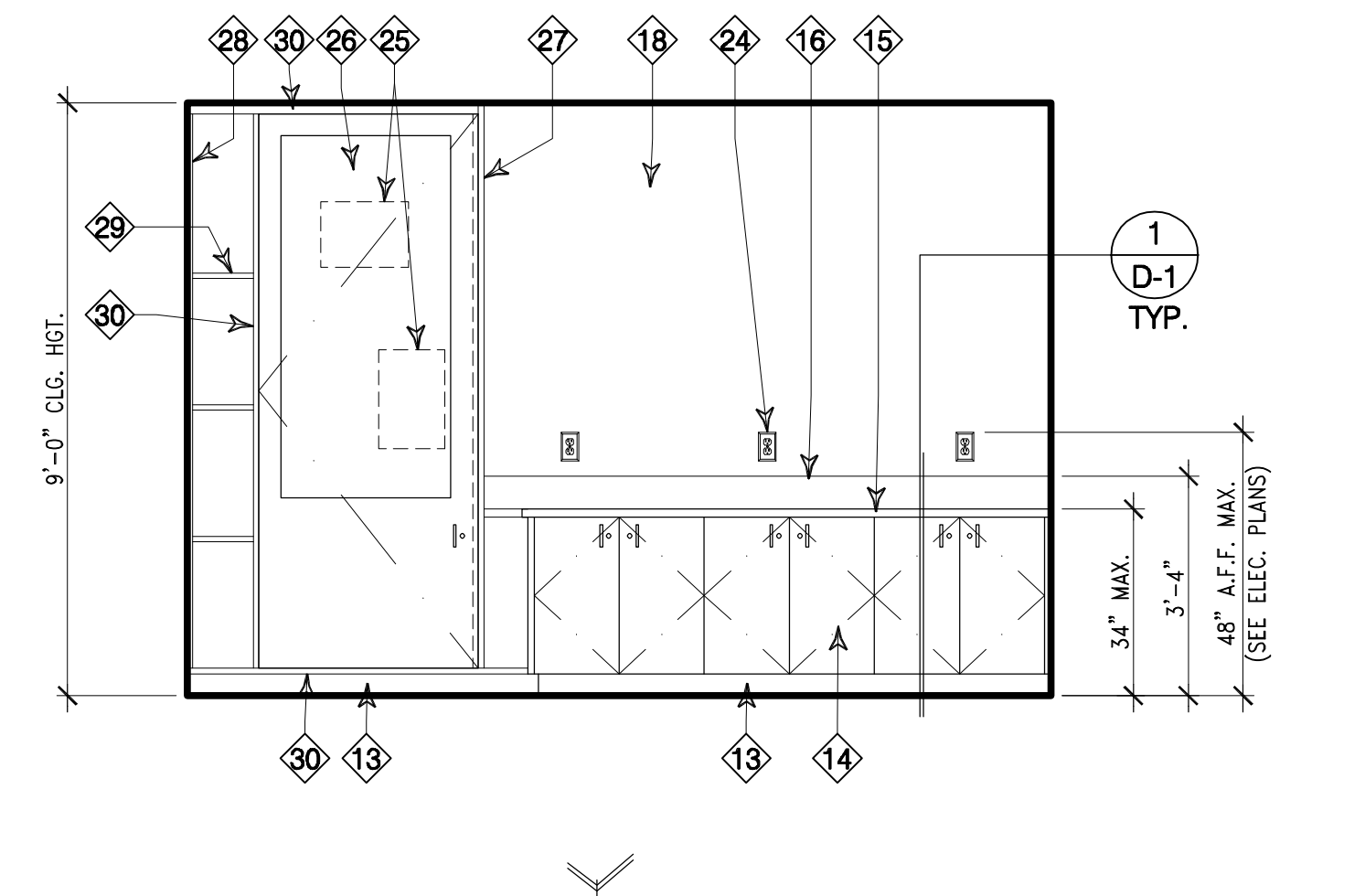
NOTE: REFER TO DETAILS 5/D-1 & 10.11/S-2 FOR TOP/SILL CONNECTIONS.

INTERIOR ELEVATION NOTES

- 1 REFER TO THE ACCESSIBILITY NOTES ON SHEETS G-2 AND DETAILS ON SHEET G-3. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL OF THE REQUIREMENTS INCLUDED IN THE ACCESSIBILITY NOTES AND SHOWN IN THE ACCESSIBILITY DETAILS.
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- 4 IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE INFORMATION SHOWN ON THIS DRAWING SHEET WITH ALL THE INFORMATION SHOWN ON OTHER DRAWING SHEETS INCLUDED THROUGHOUT THE PLAN SET.
- 5 INSTALL ALL RESTROOM AND OTHER ACCESSORIES PER MANUFACTURER'S SPECIFICATIONS AND DETAILS.
- 6 FOR RESTROOM ACCESSORY INSTALLATION @ WOOD STUD WALLS, PROVIDE ALL REQUIRED BACKING AND/OR BLOCKING AS REQUIRED FOR THE PROPER INSTALLATION OF ALL ACCESSORIES PER MANUFACTURER'S SPECIFICATIONS. MINIMUM BACKING/BLOCKING SHALL BE 4x6 OR 6x6 BLOCKING BETWEEN STUDS, 1" THK. PLYWOOD, OR 6" MIN. x 12 GA. SHEET METAL, U.N.O. USE SIMPSON SDWS 3"L. SCREWS, 4 PER BLOCKING/BACKING PER STUD.

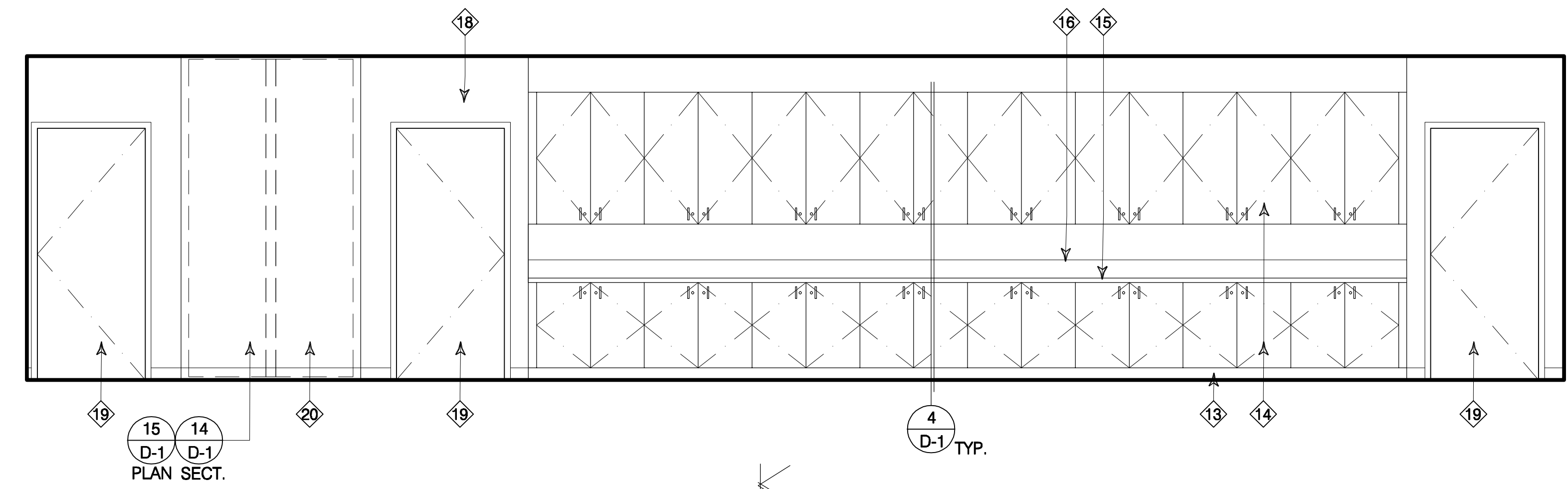
KEYNOTES (CONTINUED)

- RELOCATE ELECTRICAL OUTLETS PER ELECTRICAL PLANS ABOVE COUNTERTOP
- DASHED LINE INDICATES (E) FIRE ALARM EQUIPMENT IN CABINET TO REMAIN. PROTECT IN PLACE. RELOCATE/ADJUST WIRING TO BE WITHIN CABINET
- NEW PLASTIC LAMINATED CABINET DOOR W/ PLEXIGLASS WINDOW TO MATCH (E) PLASTIC LAMINATE COLOR/PATTERN.
- INSTALL NEW PLASTIC LAMINATED SIDE PANEL TO MATCH (E) PLASTIC LAMINATE COLOR/PATTERN.
- INSTALL NEW PLASTIC LAMINATE SIDE PANEL W/ RECESSED SHELVING BRACKETS. PLASTIC LAMINATE TO MATCH (E) COLOR/PATTERN
- NEW PLASTIC LAMINATED SHELVING TO MATCH (E) PLASTIC LAMINATE COLOR/PATTERN.
- INSTALL NEW PLASTIC LAMINATE ALONG (E) CABINERY FRONT EDGE, COLOR/PATTERN TO MATCH (E)
- CARRY TILE BEHIND MIRROR. PROVIDE BULLNOSE TILE AT ALL EDGES



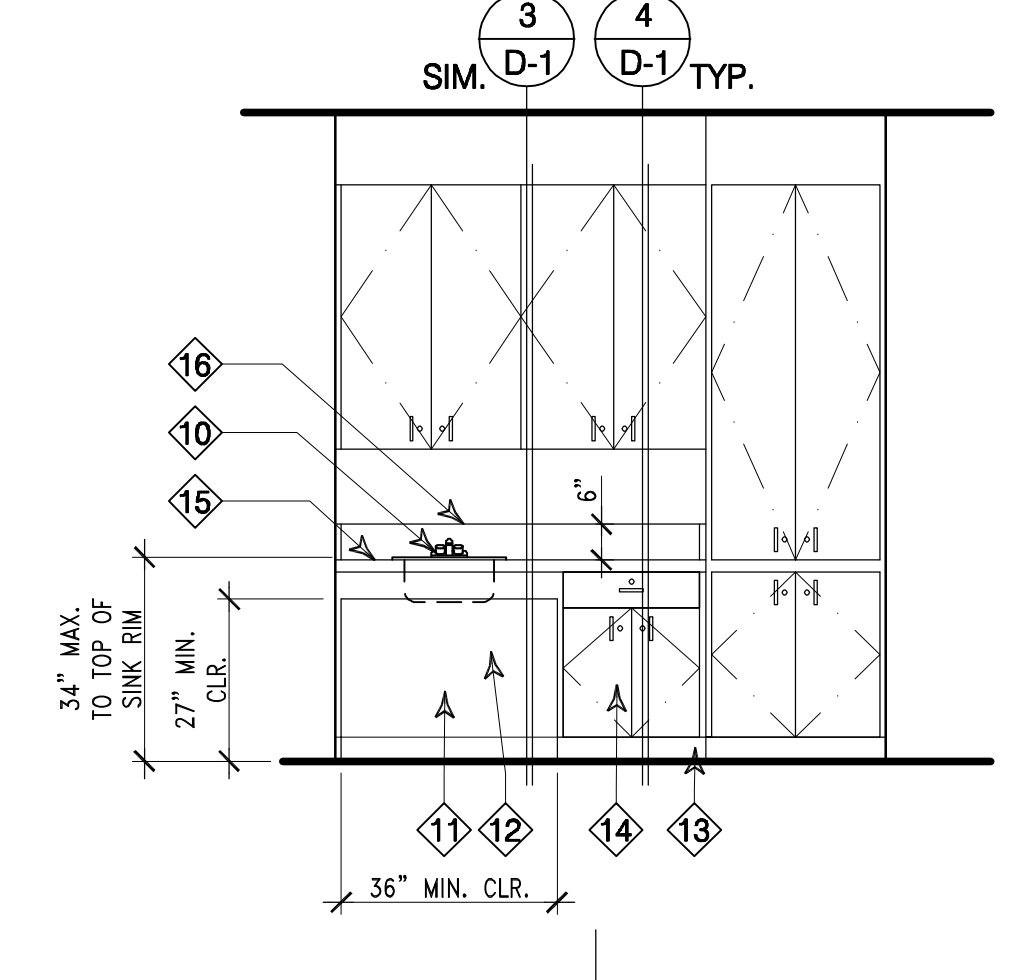
INTERIOR ELEVATIONS
OFFICE 105

SCALE 3/8" = 1'-0"



INTERIOR ELEVATIONS
MULTIPURPOSE ROOM 120

SCALE 3/8" = 1'-0"



INTERIOR ELEVATIONS
MULTIPURPOSE ROOM 118

SCALE 3/8" = 1'-0"

CRANE ARCHITECTURAL GROUP
Innovations in Architecture
110 E. WILSHIRE AVE., SUITE 300 714.825.0983
FULLERTON, CA 92632 FAX 714.825.9828

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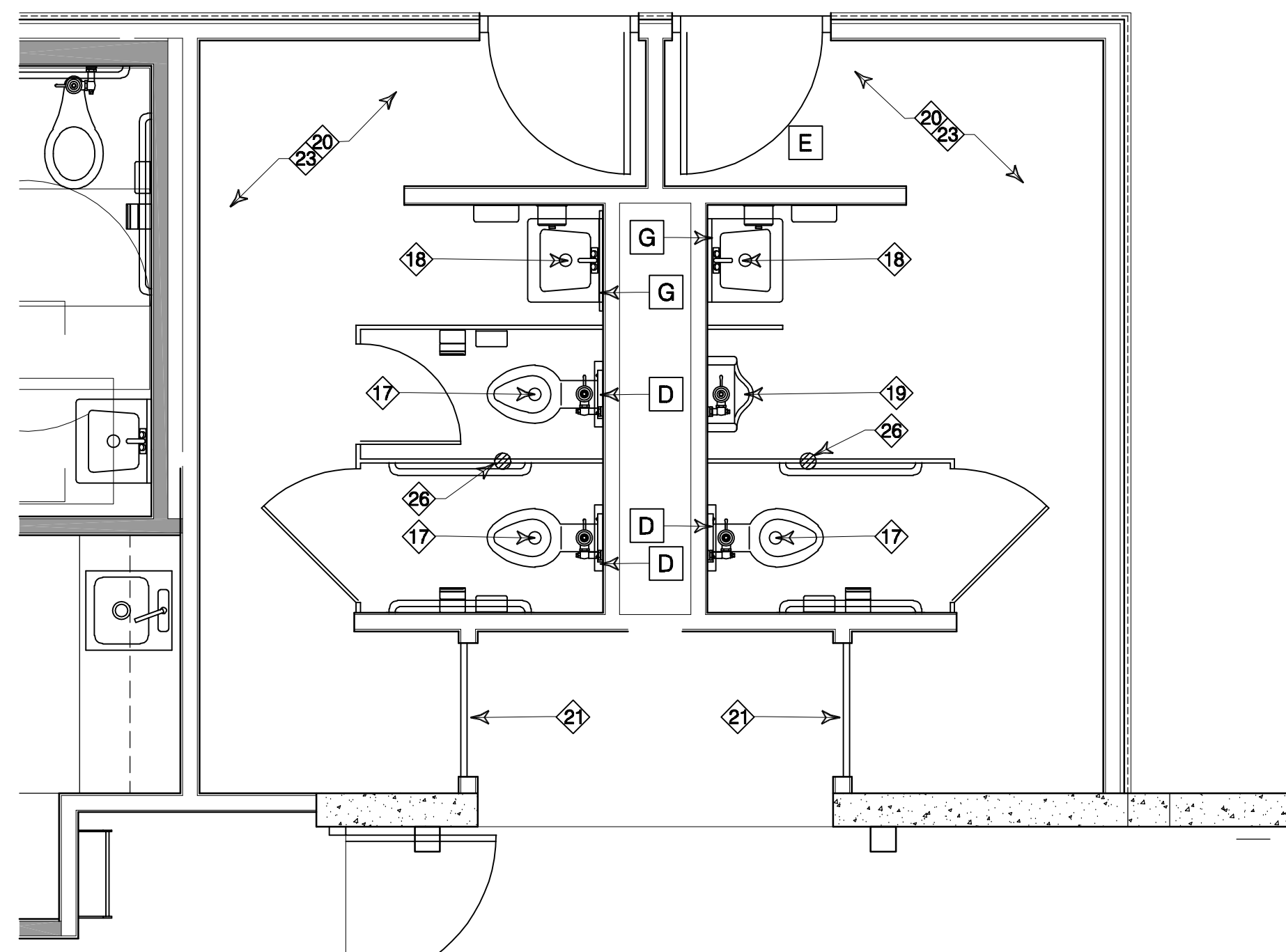
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			REVIEWED	R.C.
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			SEWER	
			DRAINAGE	
			WATER	
			TRAFFIC	
			UTILITY/ELEC	
			LANDSCAPE	
			FAULTURES	
			GENERAL ENG	
			DESIGN ENG	
			INSPECTION	
			PARKS & REC	
			AS-BUILT	

CITY OF FULLERTON
PUBLIC WORKS DEPARTMENT
INDEPENDENCE PARK GYM RENOVATION
CIP PROJECT 54691

ENLARGED FLOOR PLANS & INTERIOR ELEVATIONS

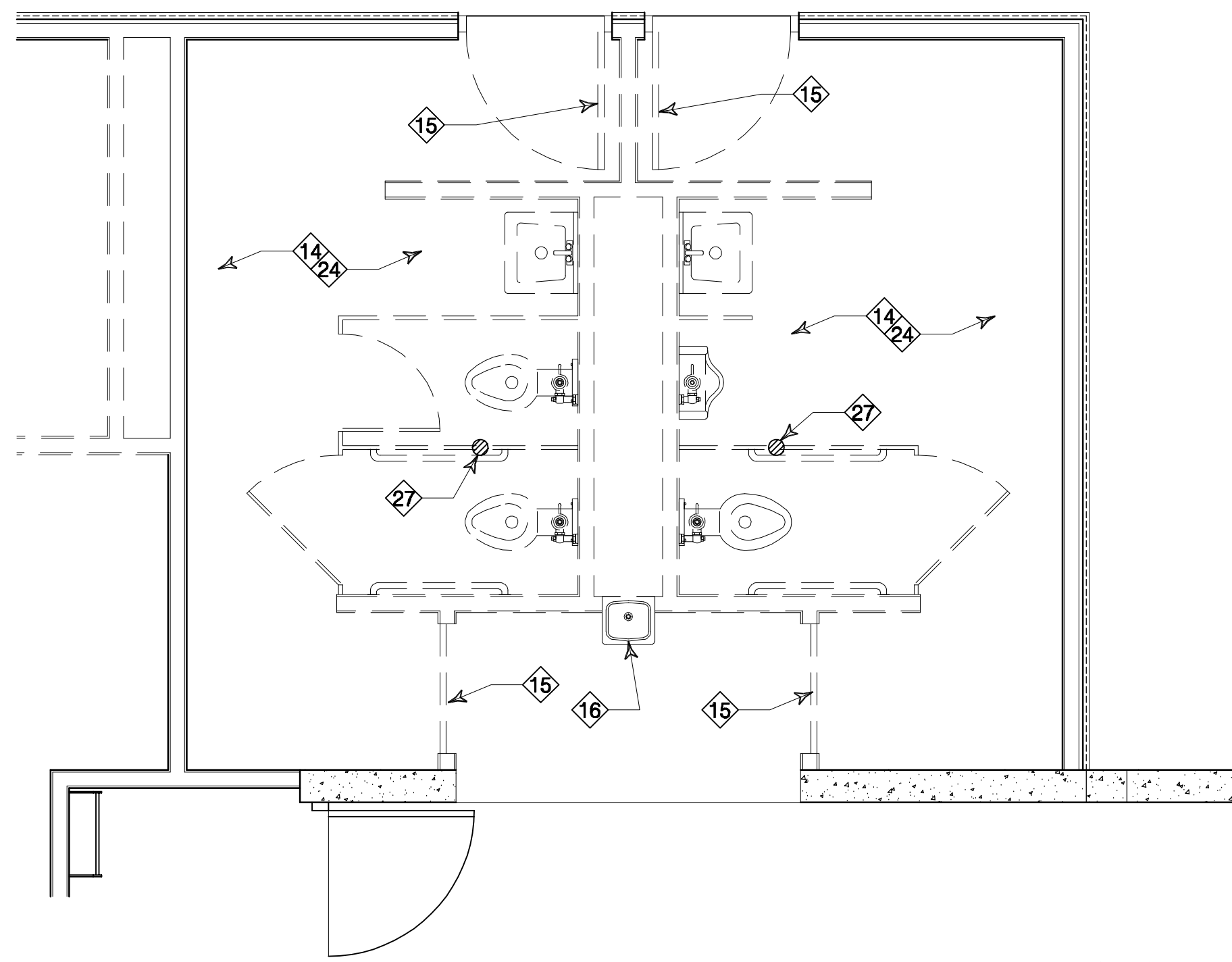
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SHEET 17 OF 54 SHEETS
FILE: MISC 5437



ENLARGED RESTROOM FLOOR PLAN
EAST RESTROOM (BASE BID)

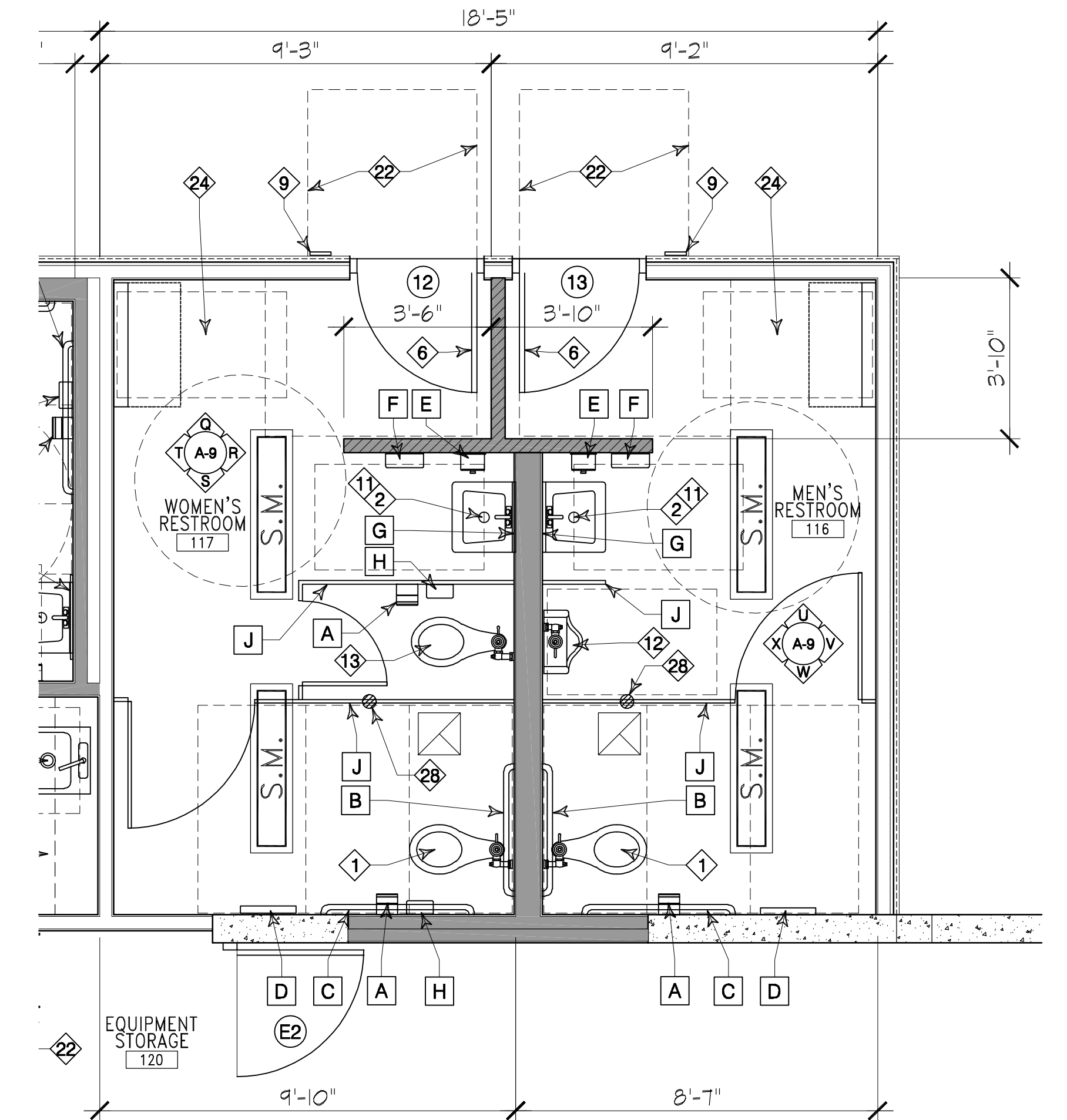
SCALE 3/8" = 1'-0"



ENLARGED DEMOLITION FLOOR PLAN
ACCESSIBLE EAST RESTROOM (BID ALTERNATE #1)

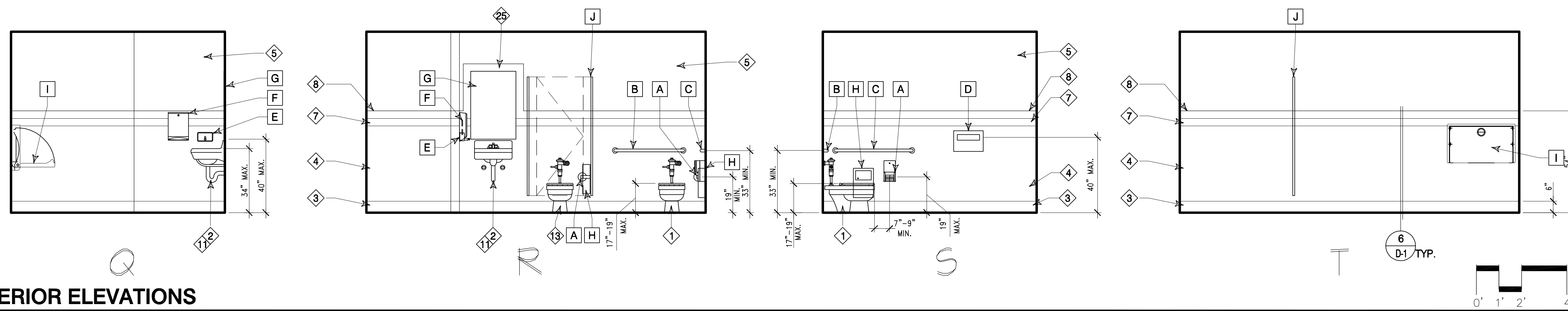
SCALE 3/8" = 1'-0"

NOTE: SHOULD BID ALT BE ACCEPTED, ABATEMENT WILL BE PERFORMED BY OTHERS PRIOR TO START OF CONSTRUCTION



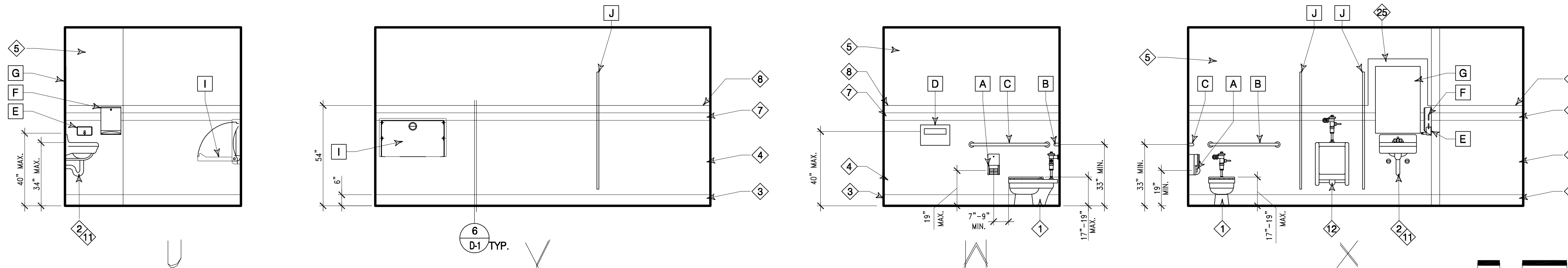
ENLARGED REMODEL FLOOR PLAN
ACCESSIBLE EAST RESTROOM (BID ALTERNATE #1)

SCALE 3/8" = 1'-0"



INTERIOR ELEVATIONS
WOMEN'S RESTROOM 117

SCALE 3/8" = 1'-0"



INTERIOR ELEVATIONS
MEN'S RESTROOM 116

SCALE 3/8" = 1'-0"

RESTROOM ACCESSORIES SCHEDULE

NO.	DESCRIPTION	MANUFACTURER	MODEL #	FINISH	WxHxD	ROOM	INSTALL HEIGHT	REMARKS
A	2-ROLL CONTURA SERIES	BOBRICK	B-4288	ST. STL.	PER MANUFACTURER	ALL RESTROOMS	19" A.F.F. MIN. TO CENTER	SEE DETAIL 9/G-3
B	36" GRAB BAR	BOBRICK	B-5806x36	SATIN S/S	SEE FLOOR PLAN, ELEVATIONS, & SPECIFICATIONS	ALL RESTROOMS	33" A.F.F. TO CTR.	SEE DETAILS 8/89/G-3
C	48" GRAB BAR	BOBRICK	B-5806x48	SATIN S/S	SEE FLOOR PLAN, ELEVATIONS, & SPECIFICATIONS	ALL RESTROOMS	33" A.F.F. TO CTR.	SEE DETAILS 8/89/G-3
D	TOILET SEAT COVER DISP. (SURF. MOUNTED)	BOBRICK	B-4221	SATIN S/S	PER MANUFACTURER'S SPECIFICATIONS	ALL RESTROOMS	40" MAX.	SEE DETAIL 9/G-3
E	SOAP DISPENSER	BOBRICK	B-2112	SATIN S/S	PER MANUFACTURER'S SPECIFICATIONS	ALL RESTROOMS	40" MAX.	SEE DETAIL 12/G-3
F	HAND DRYER	EXCEL DRYER - XLERATOR	XL-BW110	PLASTIC, WHITE	PER MANUFACTURER'S SPECIFICATIONS	ALL RESTROOMS	40" MAX.	SEE DETAIL 12/G-3
G	MIRROR	BOBRICK	B-1556 24x36	SATIN S/S	24"W.x36"H.	ALL RESTROOMS	40" MAX. A.F.F. TO BOT. OF REFLECTIVE SURFACE	SEE DETAIL 11/G-3
H	SANITARY NAPKIN DISPOSAL	BOBRICK	B-270	SATIN S/S	PER MANUFACTURER'S SPECIFICATIONS	ALL RESTROOMS	19" A.F.F. TO CENTER OF OPENING	SEE DETAIL 9/G-3
I	BABY CHANGING STATION	KOALA KARE	K8300 (BEIGE)	PLASTIC	PER MANUFACTURER	ALL RESTROOMS	46.5" RECOMMENDED	SEE DETAIL 13/G-3
J	TOILET & URINAL PARTITIONS	SCRANTON PRODUCTS OR EQUAL	SOLID PLASTIC	COLOR: MOCHA SHOWN PER TEXTURE (VERIFY @ ORDER)	FLOOR MOUNTED, OVERHEAD BRACED SEE FLOOR PLAN & MANUF. SPECS.	MEN'S/WOMEN'S RESTROOMS	PER MANUF.	SEE DETAIL 8/G-3

DEMOLITION/REMODEL FLOOR PLAN WALL LEGEND

- EXISTING WALL TO BE REMOVED
- EXISTING CONCRETE TITL-UP WALL TO REMAIN
- EXISTING WINDOW WALL ABOVE CONCRETE STEMWALL TO REMAIN
- EXISTING WOOD STUD WALL ABOVE CONCRETE STEMWALL TO REMAIN
- EXISTING INTERIOR WOOD STUD WALL TO REMAIN
-
- NEW 4X8X16 PRECISION CMU WALL, FULL HEIGHT.
-

NOTE: REFER TO DETAILS 5/D-1 & 10,11/S-2 FOR TOP/SILL CONNECTIONS.

INTERIOR ELEVATION NOTES

1. REFER TO THE ACCESSIBILITY NOTES ON SHEETS G-2 AND DETAILS ON SHEET G-3. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL OF THE REQUIREMENTS INCLUDED IN THE ACCESSIBILITY NOTES AND SHOWN IN THE ACCESSIBILITY DETAILS.
2. REFER TO THE PLUMBING PLANS FOR ADDITIONAL INFORMATION.
3. REFER TO THE FINISH SCHEDULE ON SHEET A-6 FOR ADDITIONAL INFORMATION.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE INFORMATION SHOWN ON THIS DRAWING SHEET WITH ALL THE INFORMATION SHOWN ON OTHER DRAWING SHEETS INCLUDED THROUGHOUT THE PLAN SET.
5. INSTALL ALL RESTROOM AND OTHER ACCESSORIES PER MANUFACTURER'S SPECIFICATIONS AND DETAILS.
6. FOR RESTROOM ACCESSORY INSTALLATION @ WOOD STUD WALLS, PROVIDE ALL REQUIRED BACKING AND/OR BLOCKING AS REQUIRED FOR THE PROPER INSTALLATION OF ALL ACCESSORIES PER MANUFACTURER'S SPECIFICATIONS. MINIMUM BACKING/BLOCKING SHALL BE 4x6 OR 6x6 BLOCKING BETWEEN STUDS, 1" THK. PLYWOOD, OR 6" MIN. x 12 GA. SHEET METAL, U.N.D. USE SIMPSON SDWS 3"L. SCREWS, 4 PER BLOCKING/BACKING PER STUD.

REMODEL FLOOR PLAN CEILING FIXTURE LEGEND

- NEW 1x4 LED LIGHT FIXTURE PER ELECTRICAL PLANS
- NEW EXHAUST FAN REGISTER PER MECHANICAL PLANS

ENLARGED FLOOR PLAN & INTERIOR ELEVATION KEYNOTES

- 1. ACCESSIBLE TOILET PER DETAILS 8/89/G-3. SEE PLUMBING PLANS FOR ADD'L INFORMATION
- 2. ACCESSIBLE LAVATORY PER DETAILS 11/G-3. SEE PLUMBING PLANS FOR ADD'L INFORMATION
- 3. 6" CERAMIC COVED TILE BASE PER FINISH SCHEDULE ON A-6 - SEE DETAIL 6/D-1
- 4. 4"x4" CERAMIC TILE WAINSCOT PER FINISH SCHEDULE ON A-6 - SEE DETAIL 6/D-1
- 5. 5/8" GYP. BRD. FINISH W/ SMOOTH TEXTURE & SEMI-GLOSS PAINT PER FINISH SCHEDULE ON A-6
- 6. NEW DOOR & FRAME. SEE DOOR SCHEDULE ON A-6 FOR ADD'L INFORMATION
- 7. 4"x4" MOSAIC TILE ACCENT BAND - SEE FINISH SCHEDULE ON A-6 & DETAIL 6/D-1
- 8. 4x4 CERAMIC TILE w/ BULLNOSED TOP - SEE DETAIL 6/D-1
- 9. ACCESSIBLE RESTROOM SIGNAGE PER DETAIL 15/G-3
- 10. INSTALL PIPE INSULATION AT ALL WATER & SEWER LINES IN CLEAR SPACE
- 11. ACCESSIBLE URINAL PER DETAIL 10/G-3. SEE PLUMBING PLANS FOR ADD'L INFORMATION
- 12. STANDARD TOILET - SEE PLUMBING PLANS FOR ADD'L INFORMATION
- 13. DEMOLISH/REMOVE ALL EXISTING PLUMBING FIXTURES (INCLUDING ASSOCIATED PLUMBING, PARTITIONS, LIGHT FIXTURES, RESTROOM ACCESSORIES, AND ALL FLOOR/WALL/CEILING FINISHES.
- 14. REMOVE EXISTING DOOR/FRAME/HARDWARE/THRESHOLD
- 15. REMOVE EXISTING DRINKING FOUNTAIN AND ASSOCIATED PLUMBING.
- 16. EXISTING TOILET TO REMAIN
- 17. EXISTING LAVATORY TO REMAIN
- 18. EXISTING URINAL TO REMAIN
- 19. EXISTING FLOOR, WALL, & CEILING FINISHES TO REMAIN. SEE FINISH SCHEDULE ON A-6
- 20. LOCK/SECURE EXISTING DOORS IN PLACE
- 21. LEVEL LANDINGS @ DOORS PER DETAIL 1/G-3.
- 22. EXISTING LIGHTING, TOILET/URINAL PARTITIONS, & RESTROOM ACCESSORIES TO REMAIN
- 23. REFER TO DETAIL 12/S-2 FOR TYPICAL SLAB REPAIR/REPLACEMENT REQUIREMENTS. COORDINATE WITH PLUMBING PLANS. CONTRACTOR TO COORDINATE/VERIFY EXTENT OF SLAB REMOVAL & REPLACEMENT W/ PLUMBING PLANS & IN FIELD.
- 24. CARRY TILE BEHIND MIRROR. PROVIDE BULLNOSE TILE AT ALL EDGES
- 25. EXISTING FLOOR DRAIN TO REMAIN
- 26. EXISTING FLOOR DRAIN TO BE RELOCATED PER REMODEL PLAN
- 27. NEW FLOOR DRAIN LOCATION

CRANE ARCHITECTURAL GROUP
Innovations in Architecture
110 E. WILSHIRE AVE., SUITE 300 714.825.0663 FULLERTON, CA 92632 FAX 714.825.9828

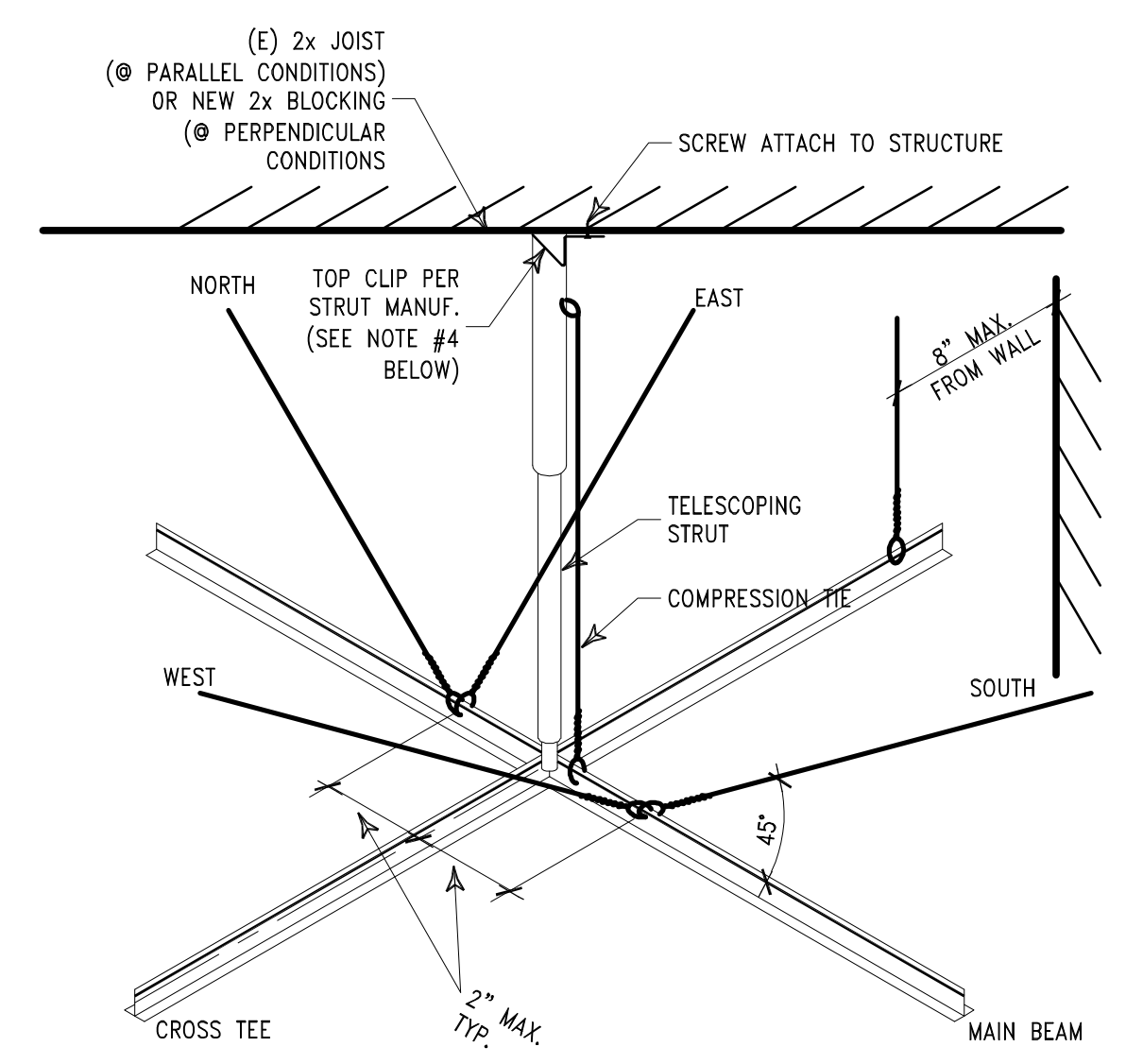
THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF:

APPROVED: [Signature] **ACCEPTED:** [Signature]

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PUBLIC WORKS DEPARTMENT
INDEPENDENCE PARK GYM RENOVATION
CIP PROJECT 54691

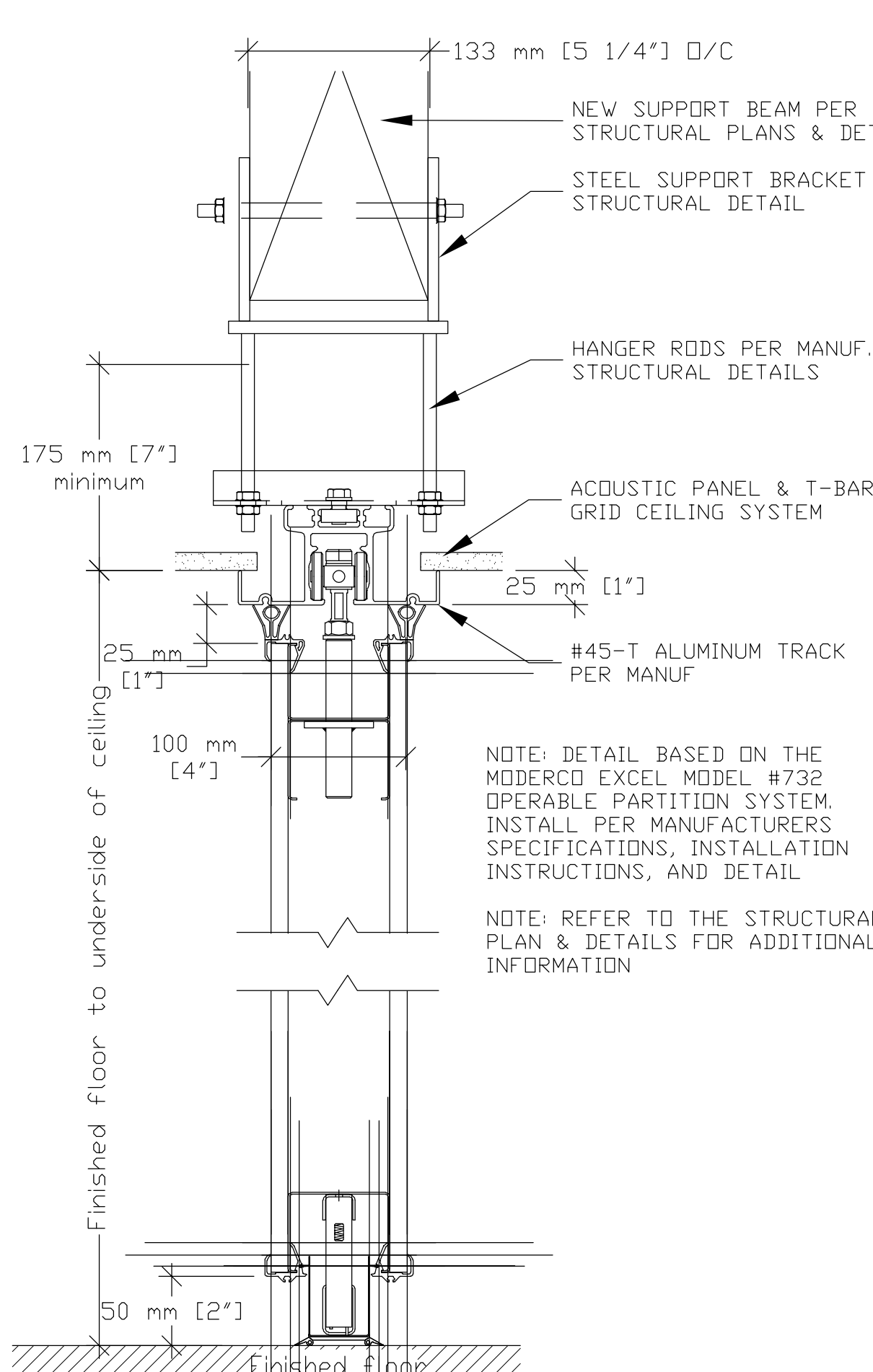
ENLARGED FLOOR PLANS & INTERIOR ELEVATIONS

DATE: 05/29/2026
SCALE: AS NOTED
SHEET 18 OF 54 SHEETS
FILE: MISC 5437

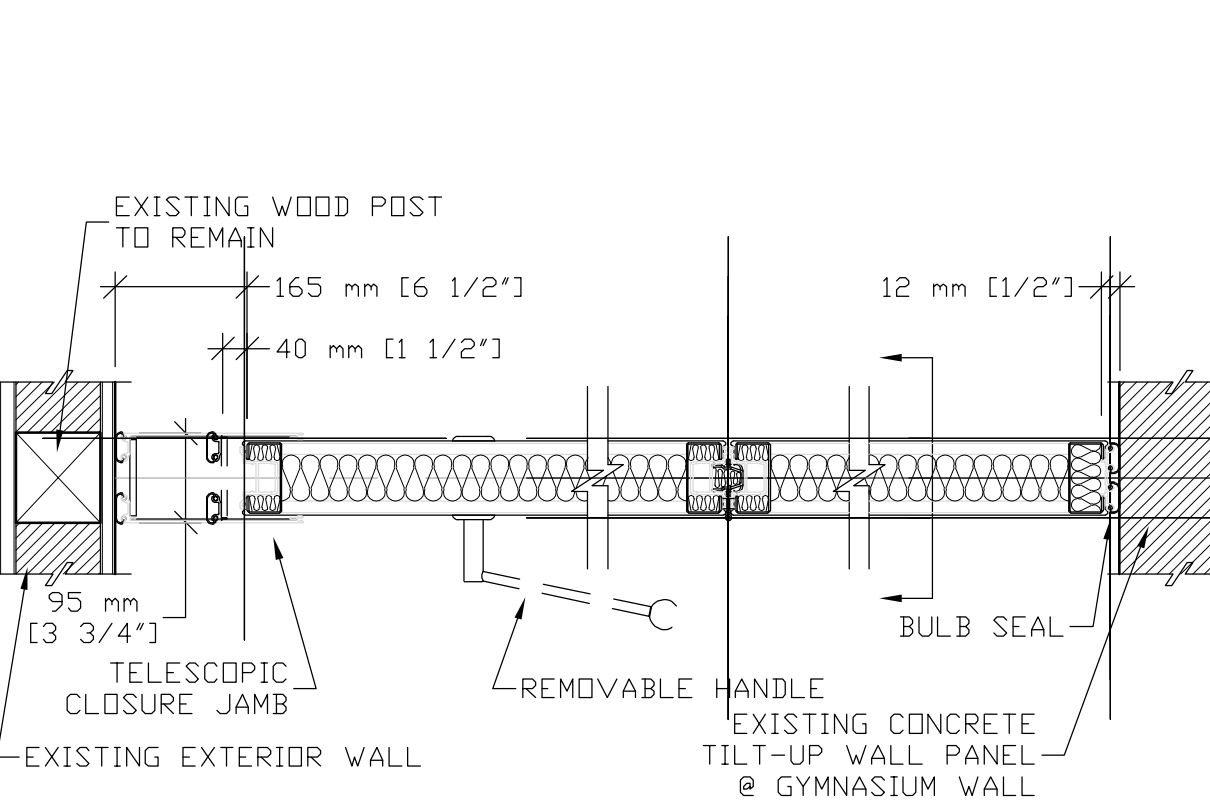


NOTE:
 1. GRID BRACING ASSEMBLY 12\"/>

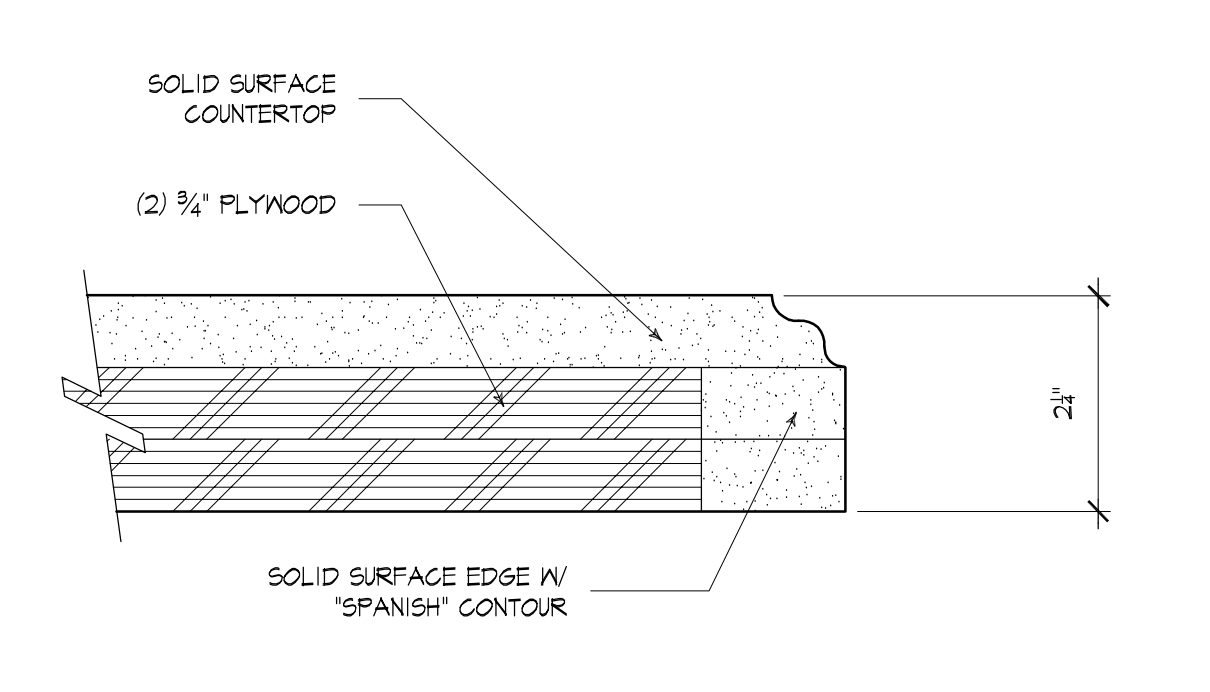
13 T-BAR CEILING N.T.S.



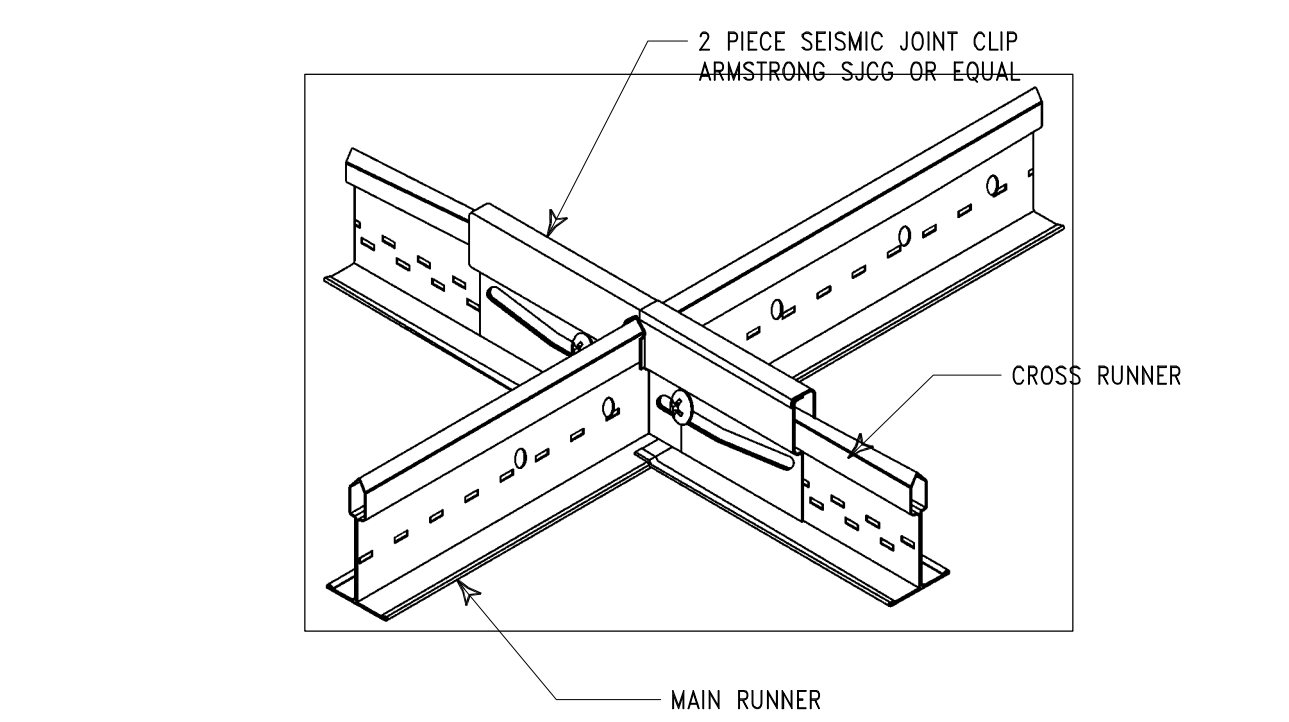
14 OPERABLE PARTITION SECTION HEAD & SILL 3\"/>



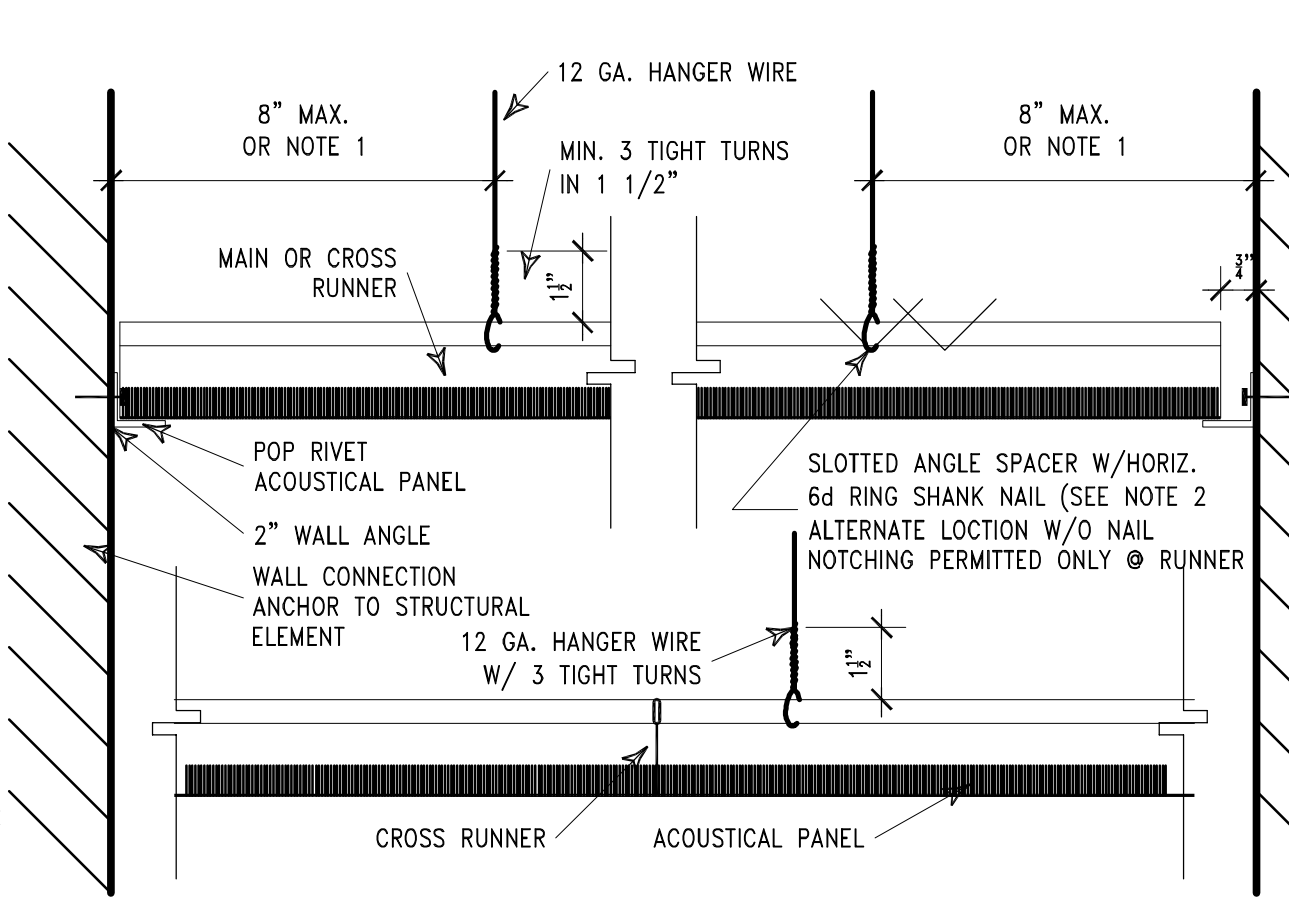
15 OPERABLE PARTITION PLAN VIEW 1 1/2\"/>



16 SOLID SURFACE COUNTER TOP TRIM 6\"/>

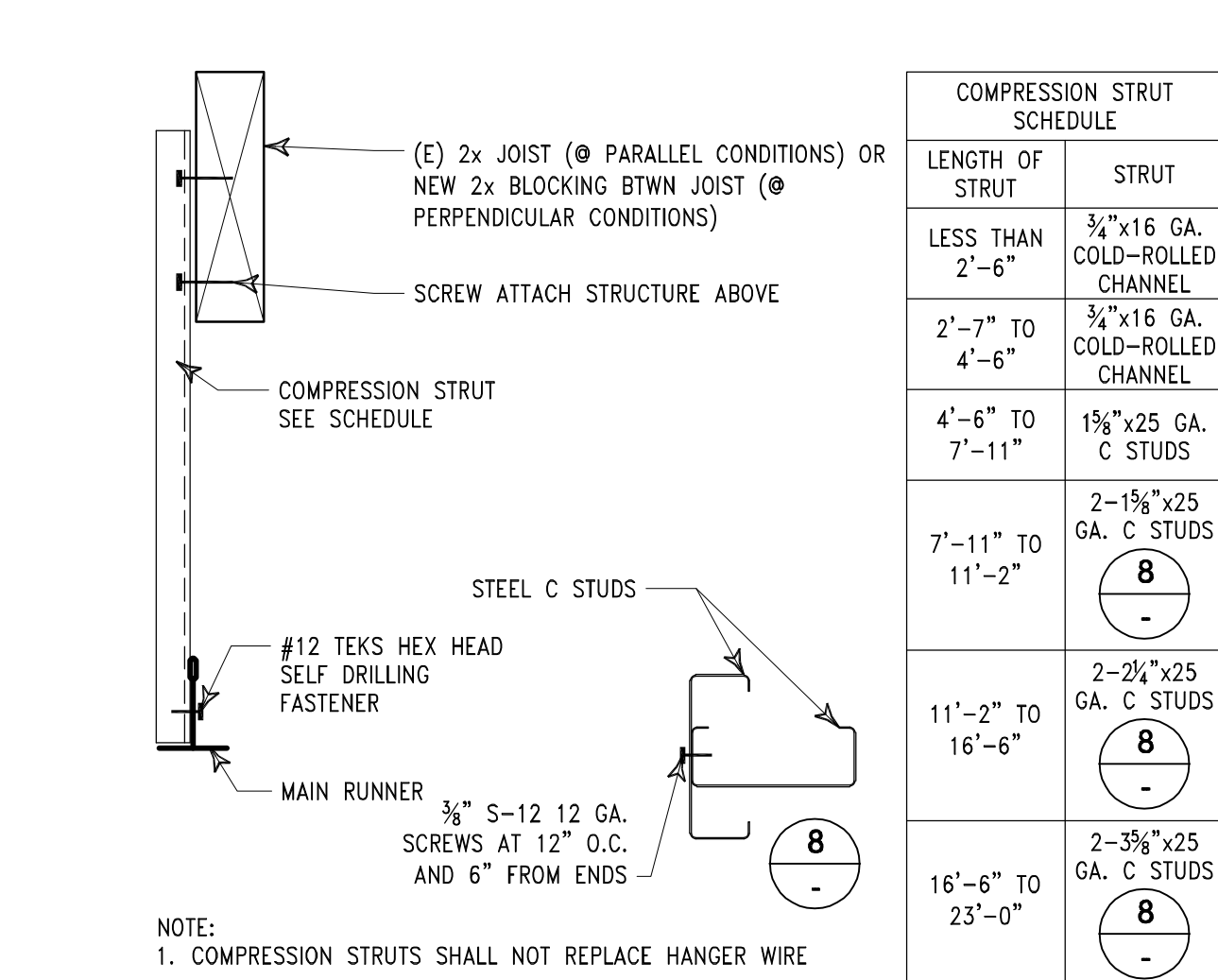


9 SEISMIC JOINT CLIP N.T.S.

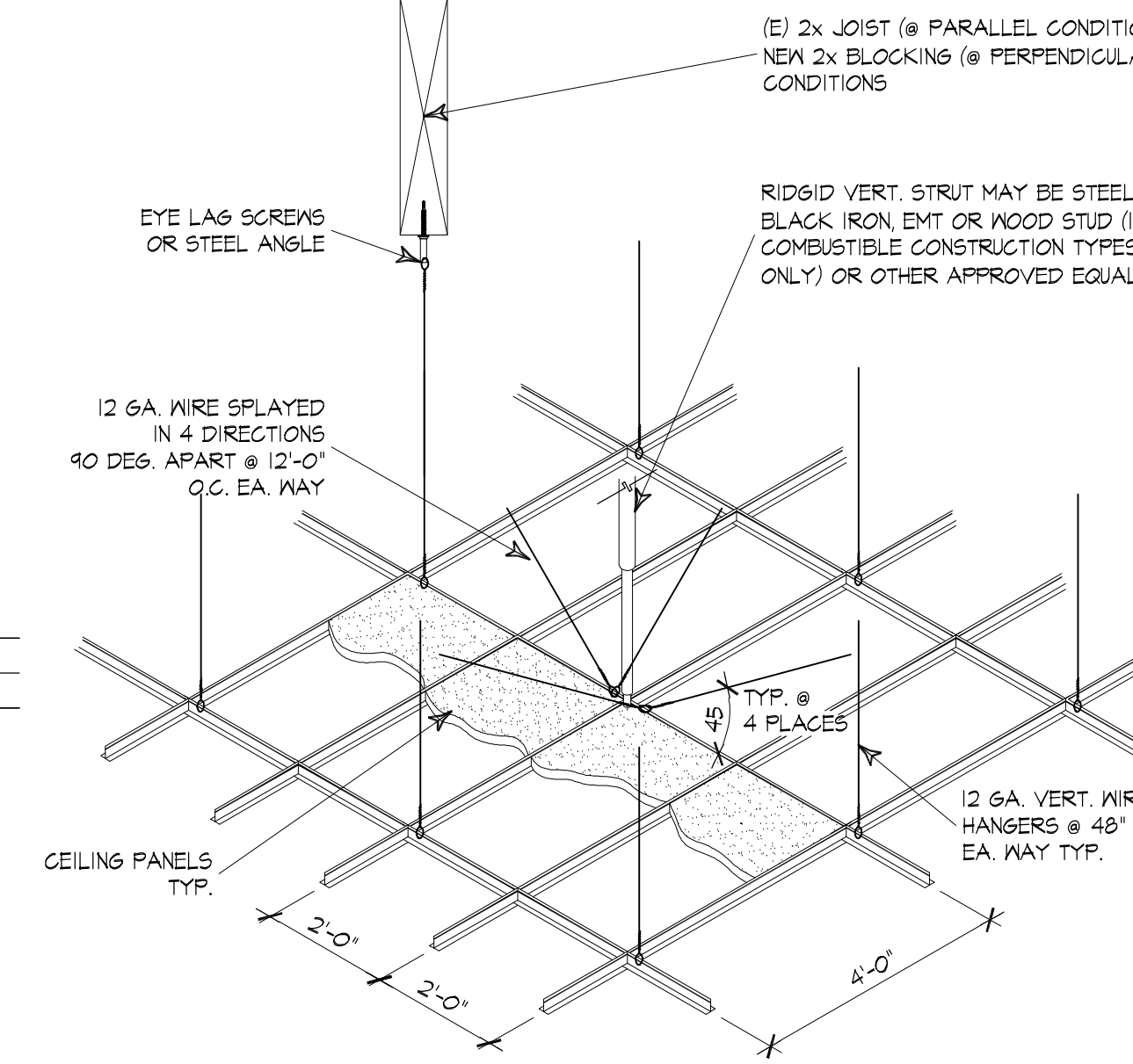


NOTE:
 1. 1/4 OF THE LENGTH OF THE END RUNNER WHICHEVER IS LEAST.
 2. NAILS @ ENDS OF HORIZ.STRUTS ARE TO BE PLACED W/ NAIL HEAD TOWARD CL OF SPAN OF STRUT.
 3. PROVIDE MINIMUM 2\"/>

10 T-BAR CEILING 3\"/>

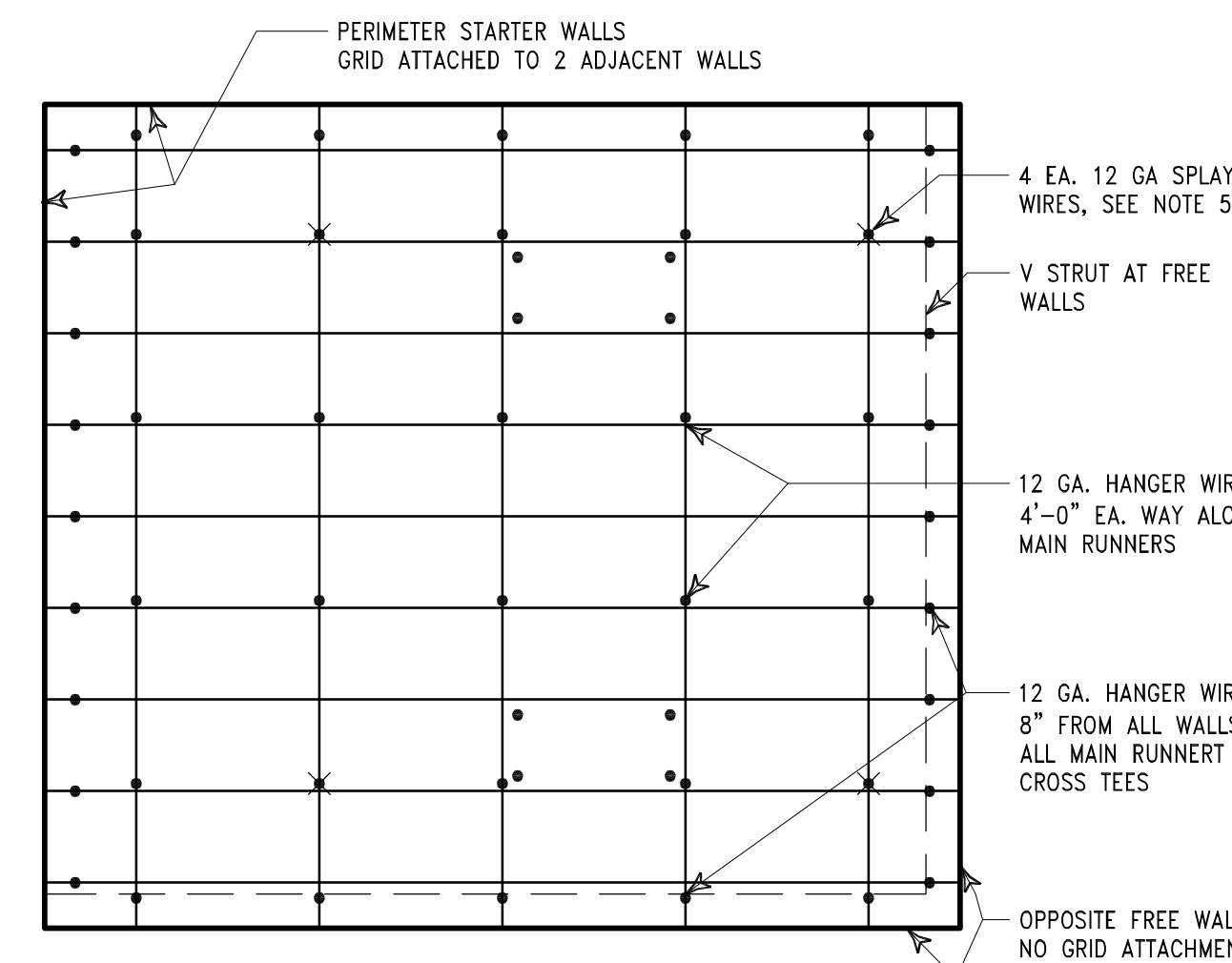


11 COMPRESSION STRUT 3\"/>



NOTE:
 1. VERTICAL STRUT: A STRUT FASTENED TO THE MAIN RUNNER SHALL BE EXTENDED AND FASTENED TO THE STRUCTURAL MEMBERS SUPPORTING THE ROOF OR FLOOR ABOVE. THE STRUT SHALL BE ADEQUATE TO RESIST THE VERTICAL COMPONENT INDUCED BY THE BRACING WIRES.
 2. THESE HORIZONTAL RESTRAINT POINTS SHALL BE PLACED 12\"/>

12 T-BAR CEILING 3/8\"/>

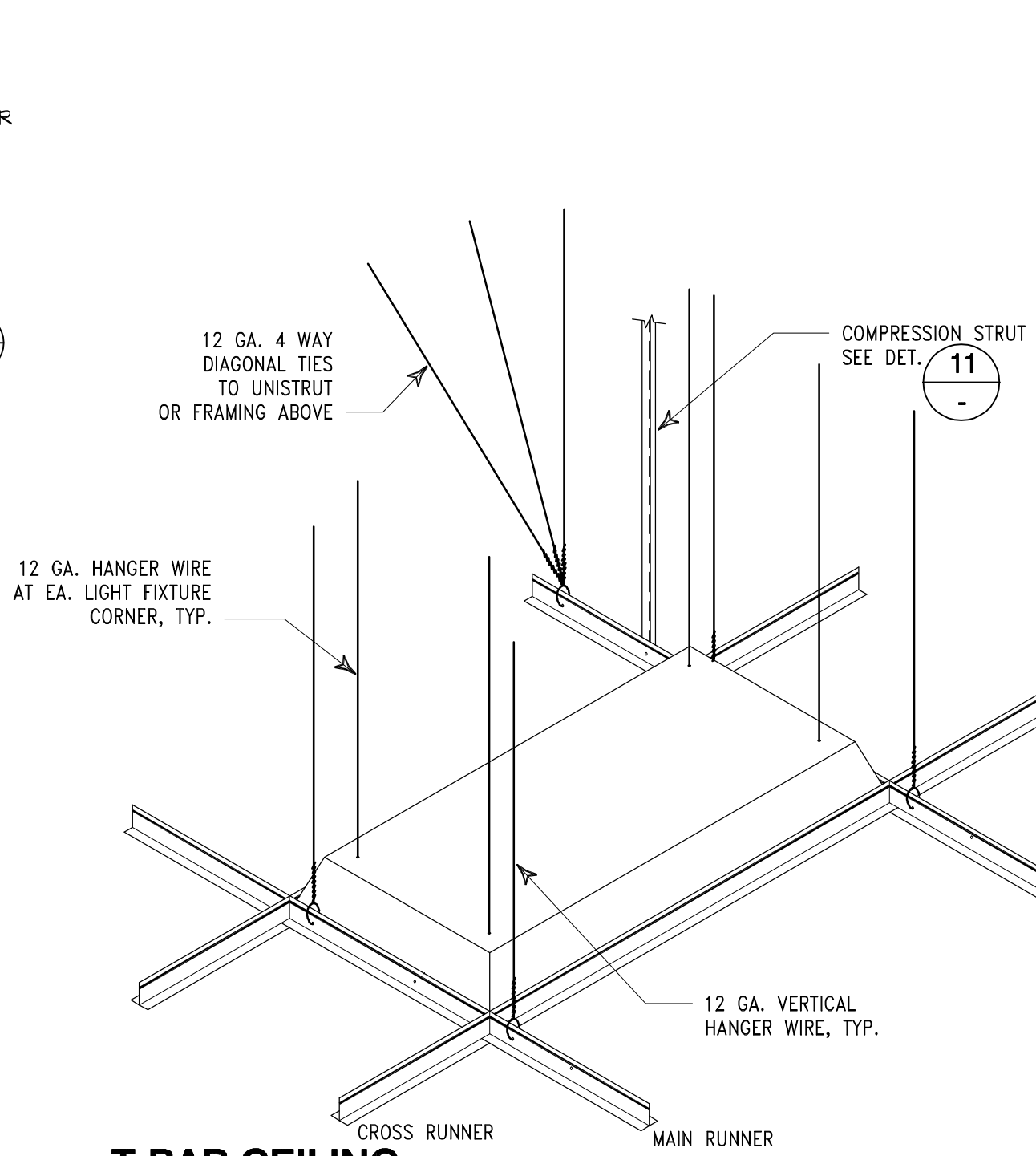


NOTE:
 1. CLASSIFICATION OF CEILING GRID IS: HEAVY DUTY REFER TO THE SUSPENDED CEILING SYSTEM NOTES ON THE REFLECTED CEILING PLAN, SHEET A-2, & THE FINISH SCHEDULE, SHEET A-6, FOR SYSTEM MANUFACTURER, TYPE, TESTING, AND OTHER INFORMATION.
 2. THESE PLANS AN SPECIFICATIONS ARE FOR CEILING SYSTEMS WHOSE WEIGHT INCLUDING AIR CONDITIONING GRILLES AND LIGHT FIXTURES DOES NOT EXCEED FOUR (4) P.S.F. HEAVY SYSTEMS AND THOSE SUPPORTING LATERAL LOADS FROM PARTITIONS WILL REQUIRE SPECIAL DESIGN DETAILS.
 3. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES.
 4. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB SHALL HAVE COUNTER-SLOPING WIRES.
 5. PROVIDE SETS OF FOUR 12 GA. SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT 12\"/>

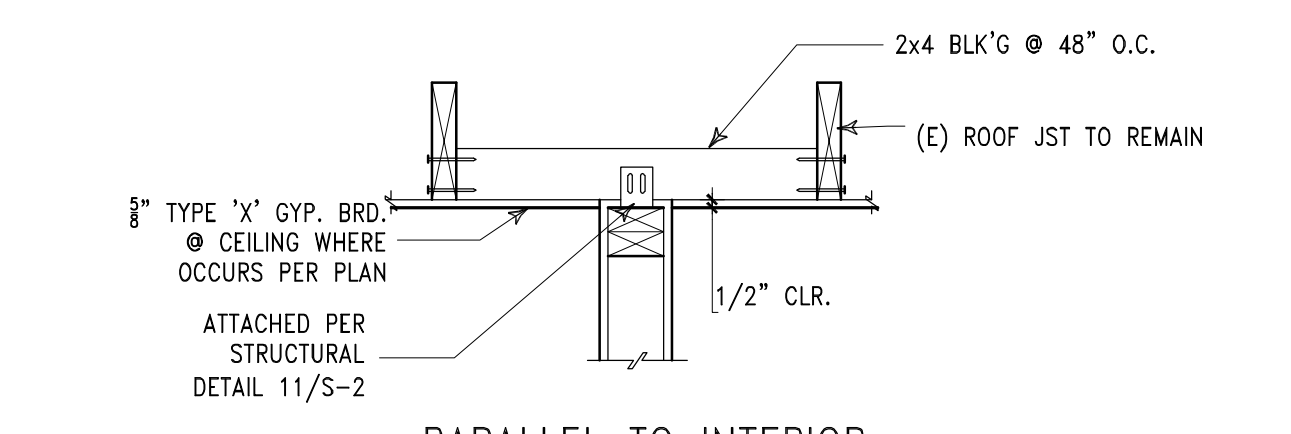
NOTE: REFER ALSO TO DETAILS 8 9 10 11 12 13

6. FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS, FASTEN BRACING WIRES WITH 4 TIGHT TURNS. MAKE AS TIGHT TURNS WITHIN A DISTANCE OF INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHALL BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.
 7. SEPARATE ALL CEILING HANGING AND BRACING WIRE AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC. IT IS ACCEPTABLE TO ATTACH LIGHTWEIGHT ITEMS SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4\"/>

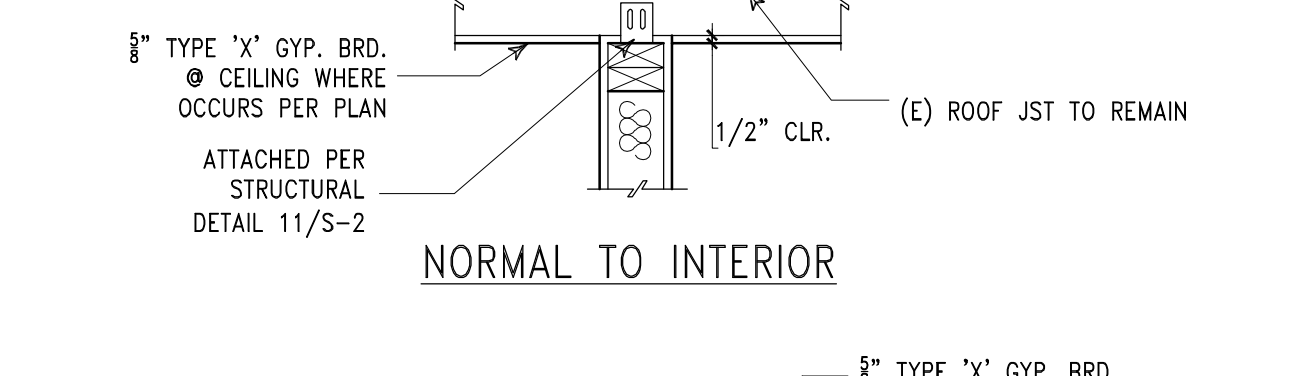
7 PERIMETER WALL ANGLE 3\"/>



8 T-BAR CEILING N.T.S.



5 TYP. NON-BEARING WALL 1\"/>



GENERAL NOTES:
 1. INSTALL ALL FLOOR & WALL TILE PER MANUFACTURER'S SPECIFICATIONS.
 2. FLOOR TILE INSTALLATION AT CONCESSION BUILDING 'A' SECOND FLOOR IS SIMILAR OVER A 1-1/2\"/>

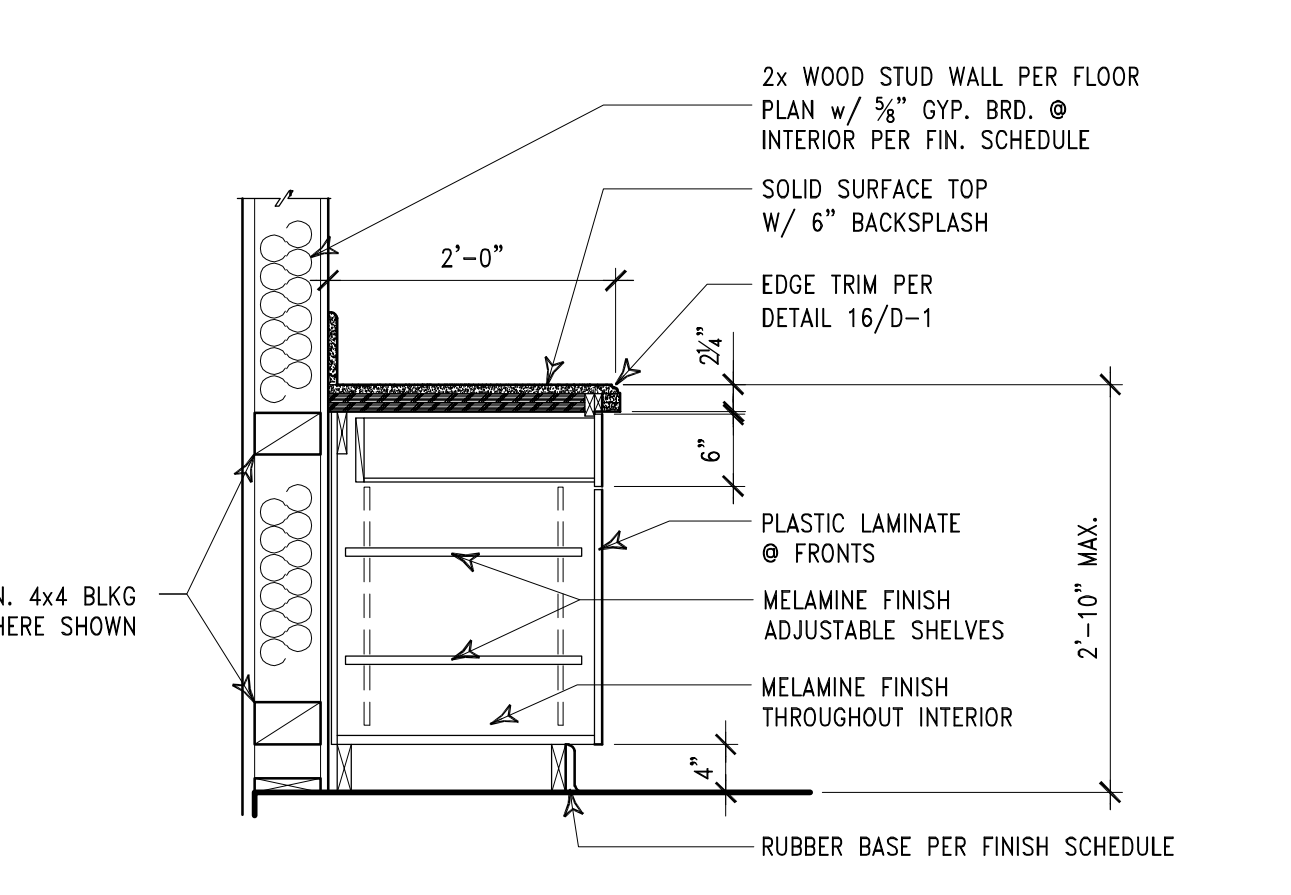
RECOMMENDED USES:
 • WITH TILE SET WITH GROUT REQUIRING GOOD STAIN RESISTANCE AND RESISTANCE TO EROSION CAUSED BY OCCASIONAL CONTACT WITH MILD CHEMICALS SUCH AS FOUND IN PUBLIC TOILETS AND SIMILAR AREAS
 • FOR USE WITH MOSAIC TILE, QUARRY TILE, (FLOORS) & CERAMIC TILE (WALLS)

REQUIREMENTS:
 • TILE SURFACE MUST BE WAXED BEFORE GROUTING WITH FURAN RESIN

MATERIALS:
 • EPOXY GROUT - ANSI A118.5
 • FURAN GROUT - ANSI A118.5
 PREPARATION BY OTHER TRADES:
 • SLAB - STEEL TROWEL AND FINE BROOM FINISH FREE OF CURING COMPOUNDS. (WHEN USED, MECHANICAL SCARIFYING IS NECESSARY)
 • MAX VARIATION IN THE SLAB - 1/8\"/>

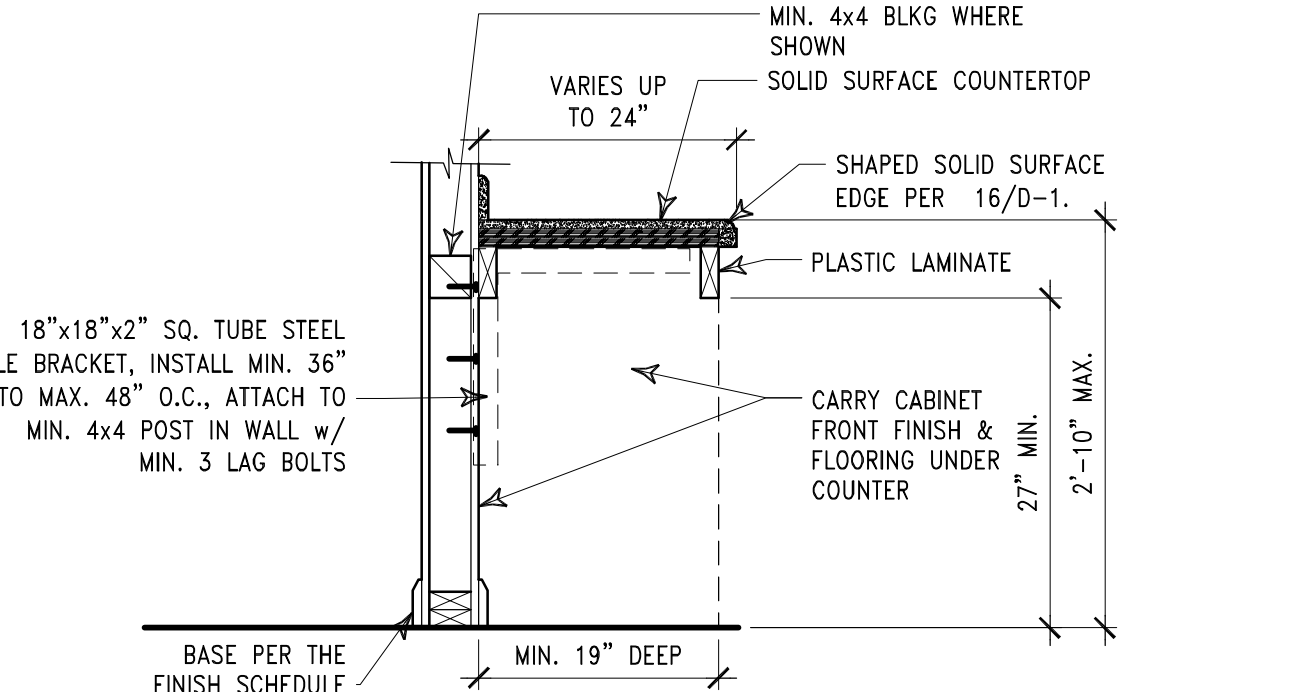
TILE INSTALLATION AND EXPANSION JOINTS:
 • FOLLOW METHOD F112 OR F113
INSTALLATION SPECIFICATIONS:
 • TILE - ANSI A108.5
 • EPOXY GROUT - ANSI A108.6
 • FURAN GROUT - ANSI A108.8
 • TILE COUNCIL OF AMERICA INC. FLOOR TILE INSTALLATION DETAIL F115.98
 • TILE COUNCIL OF AMERICA INC. WALL TILE INSTALLATION DETAIL W202.98

6 FLOOR TILE & WAINSCOT @ RESTROOMS 3\"/>

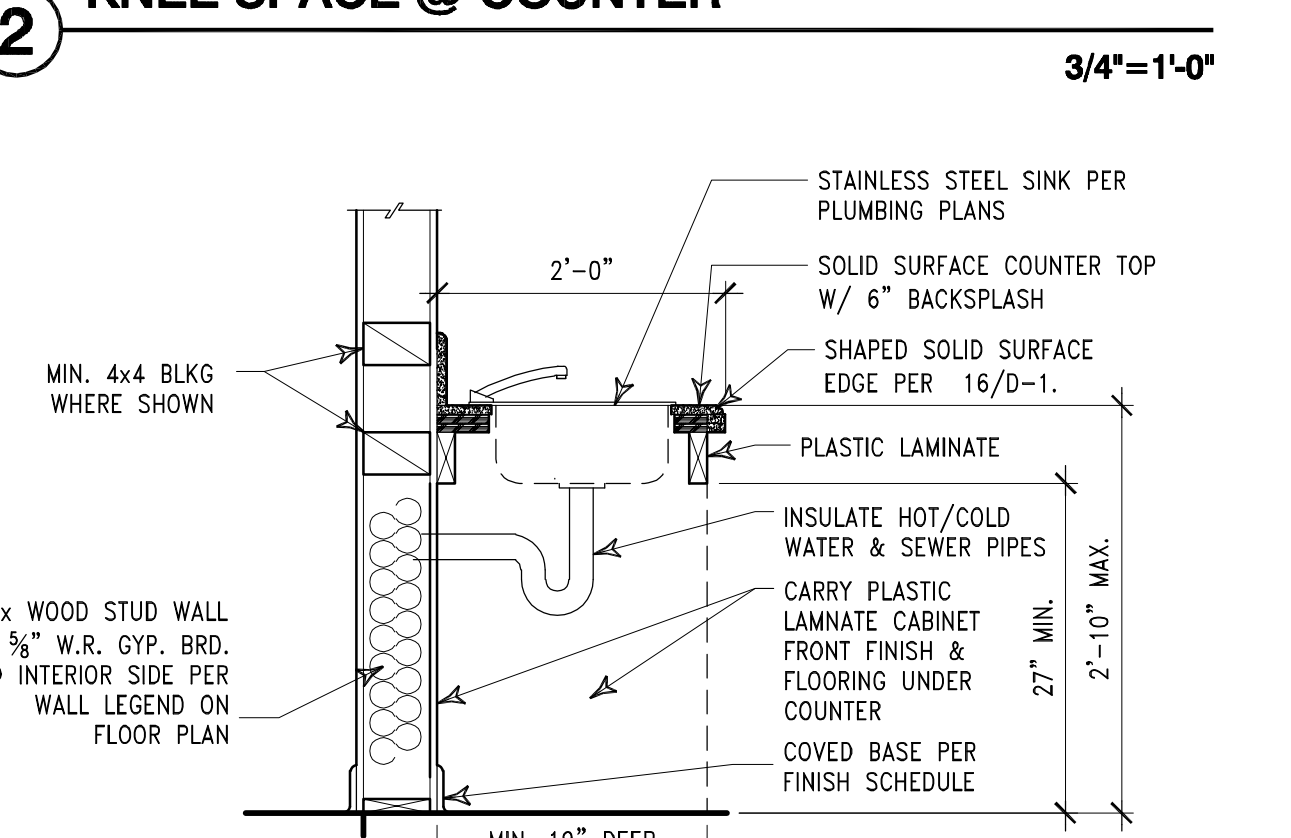


NOTE: USE SDWS 3/16\"/>

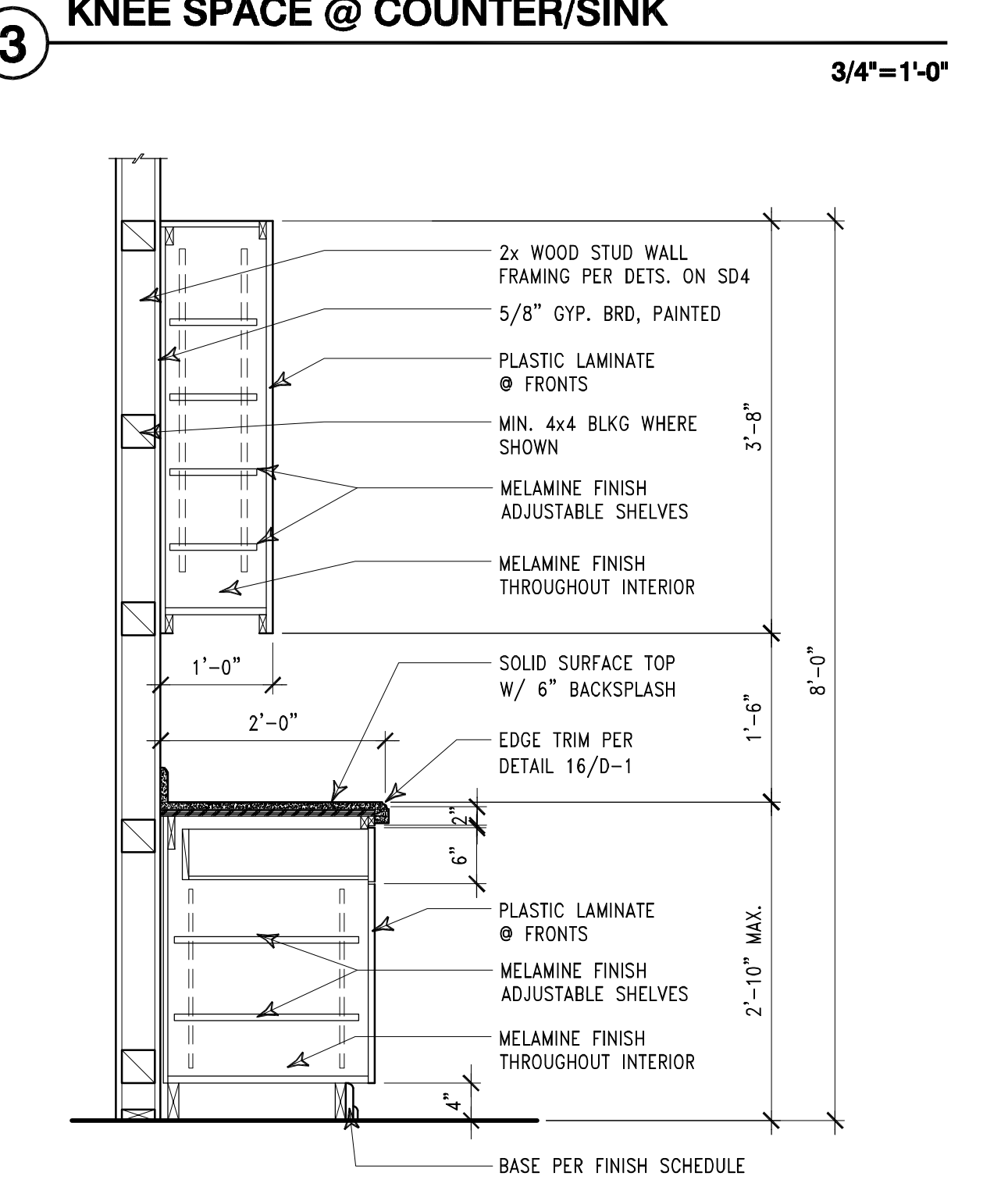
1 TYPICAL CAB SECTION 3/4\"/>



2 KNEE SPACE @ COUNTER 3/4\"/>



3 KNEE SPACE @ COUNTER/SINK 3/4\"/>



4 TYPICAL UPPER/LOWER CABINET SECTION 3/4\"/>

THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF:

CRANE ARCHITECTURAL GROUP
 Innovations in Architecture
 110 E. WILSHIRE AVE., SUITE 300 714825-0863
 FULLERTON, CA 92632 FAX 714825-9828

APPROVED: *[Signature]* DATE: 05/29/2026
 ACCEPTED: *[Signature]* DATE: 03/05/26

CITY OF FULLERTON
 PUBLIC WORKS DEPARTMENT
 INDEPENDENCE PARK GYM RENOVATION
 CIP PROJECT 54691

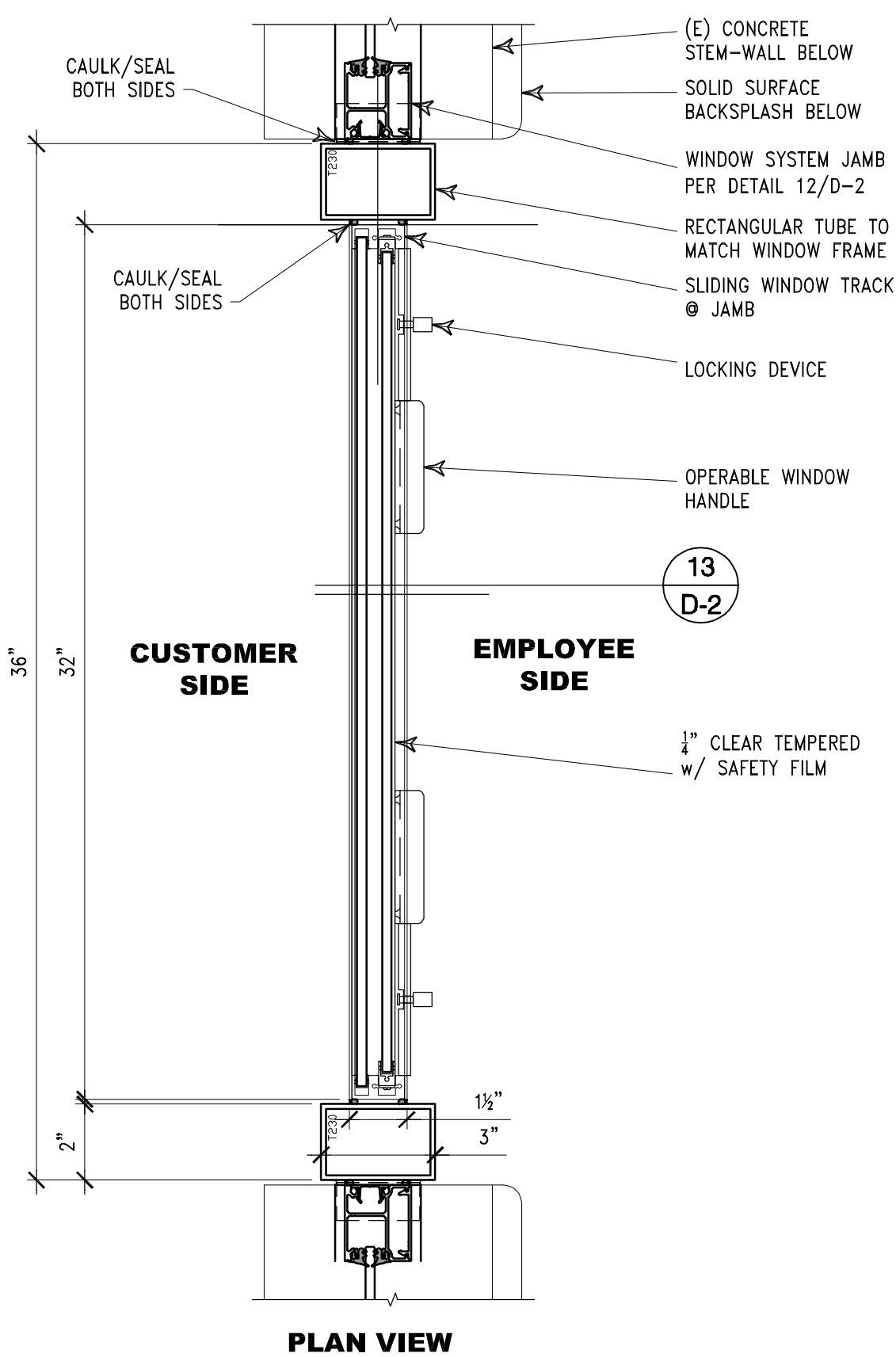
ARCHITECTURAL DETAILS

APPROVED: *[Signature]* DATE: 05/29/2026
 ACCEPTED: *[Signature]* DATE: 03/05/26

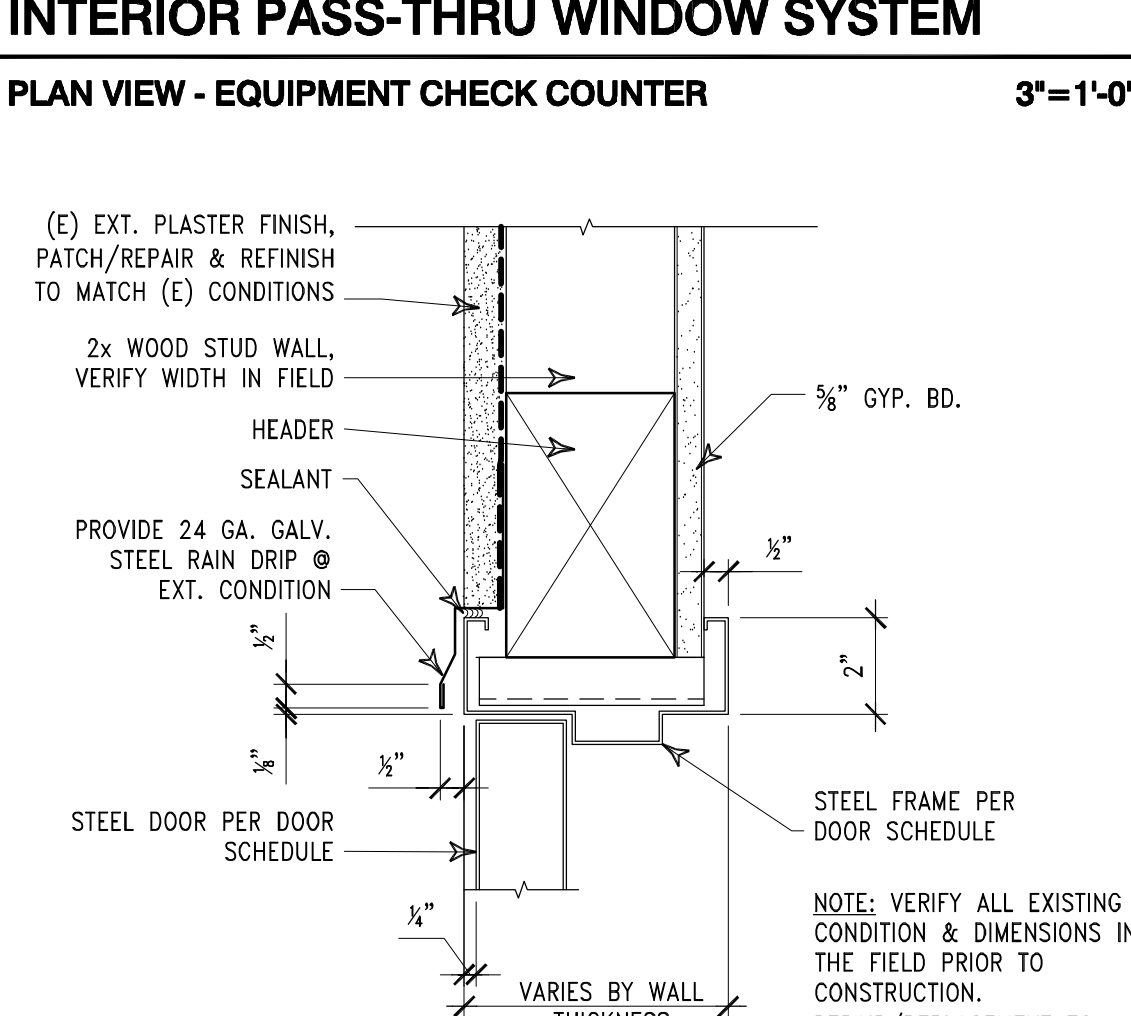
SCALE: AS NOTED

SHEET 19 OF 54 SHEETS
 FILE: MISC 5437

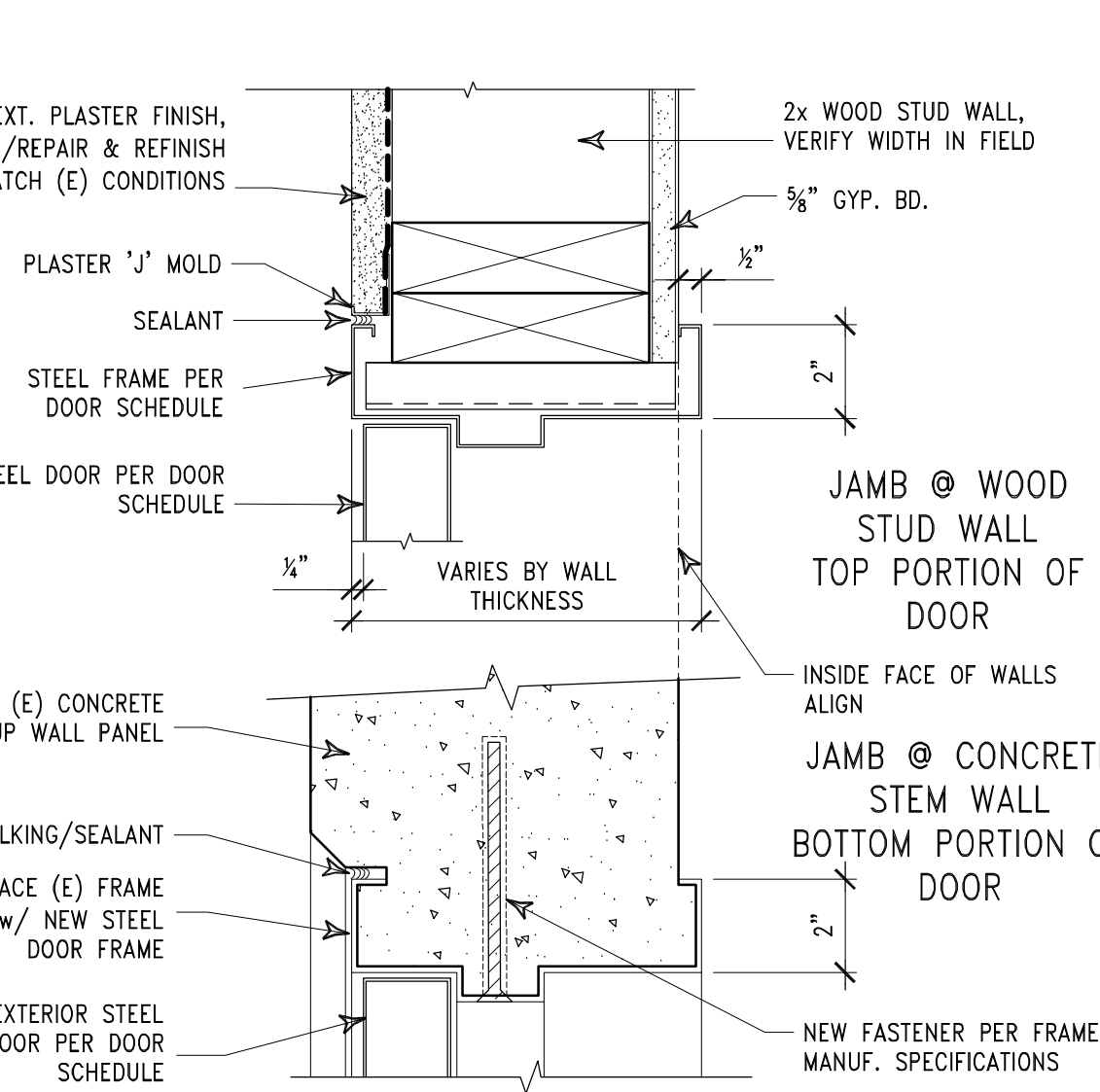
CIP 54691 - INDEPENDENCE PARK GYM RENOVATION



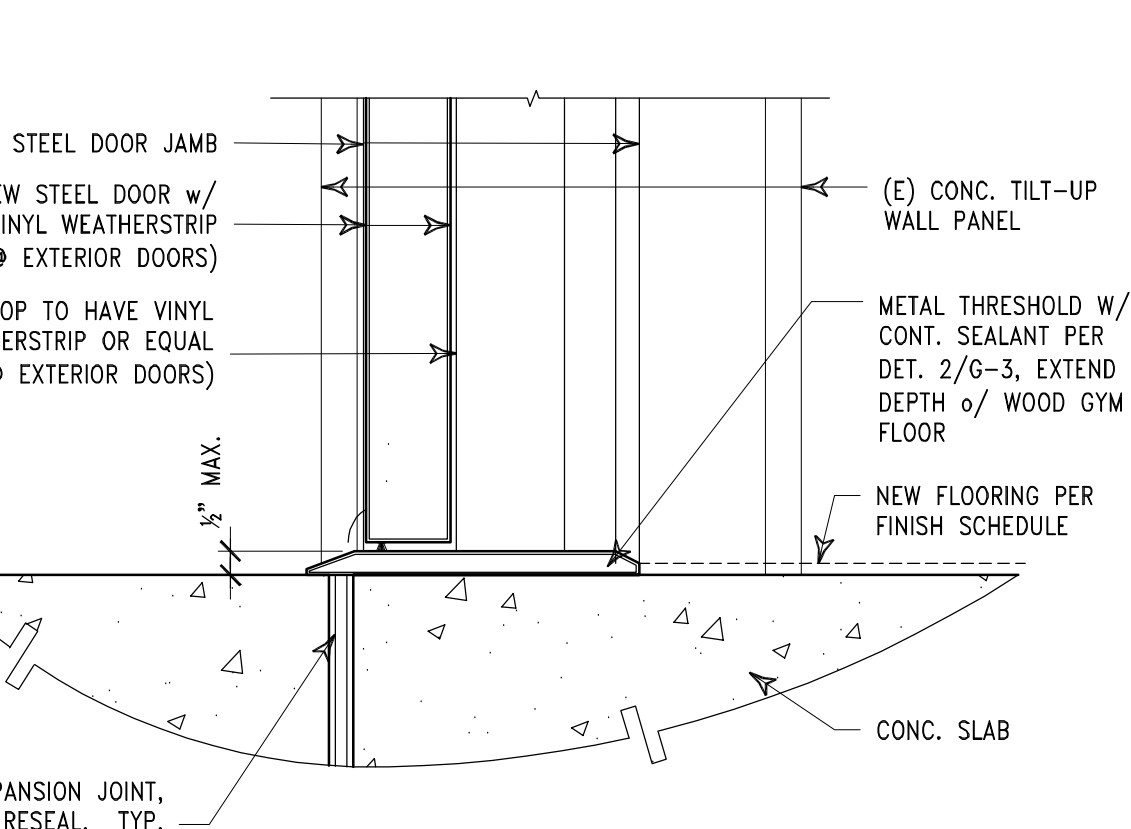
13 D-2
14 INTERIOR PASS-THRU WINDOW SYSTEM
 PLAN VIEW - EQUIPMENT CHECK COUNTER 3'-1'-0"



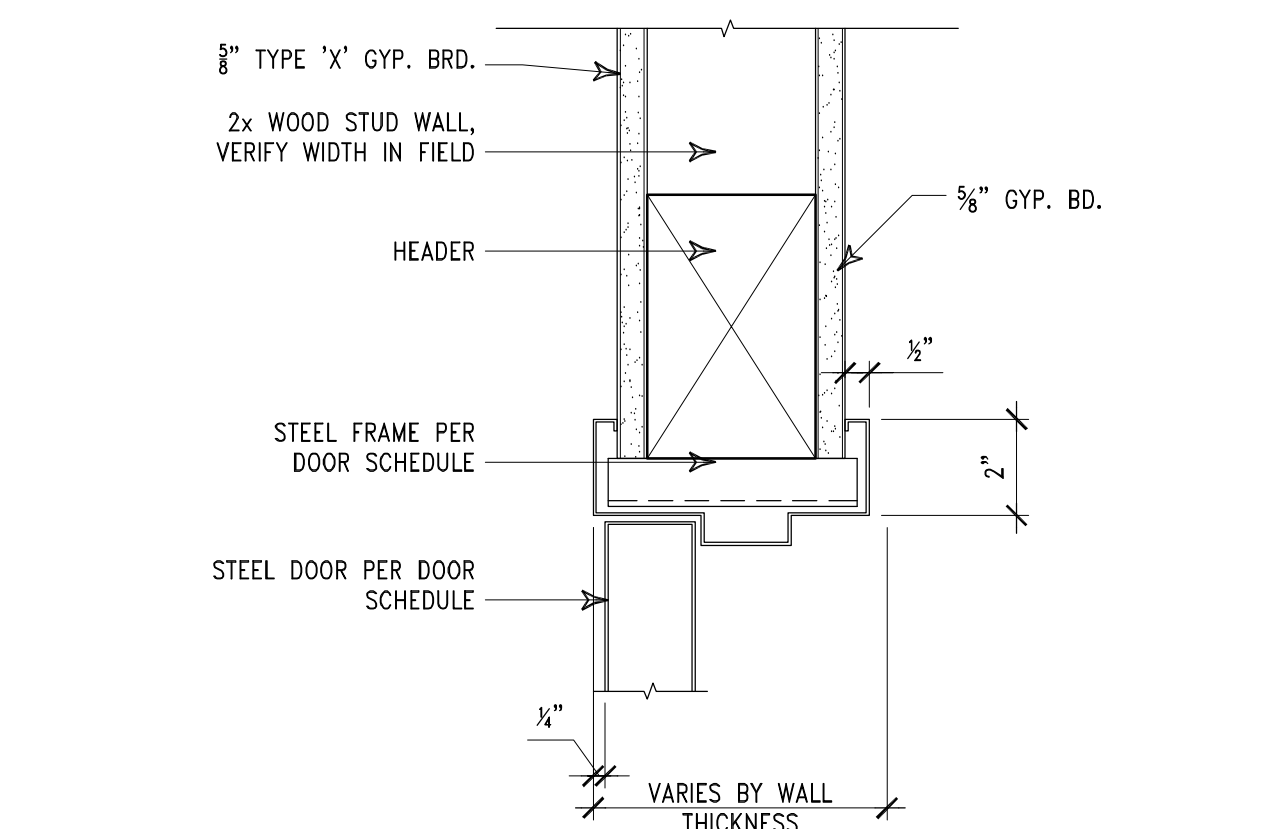
15 DOOR HEAD
 AT EXTERIOR WOOD STUD WALL 3'-1'-0"



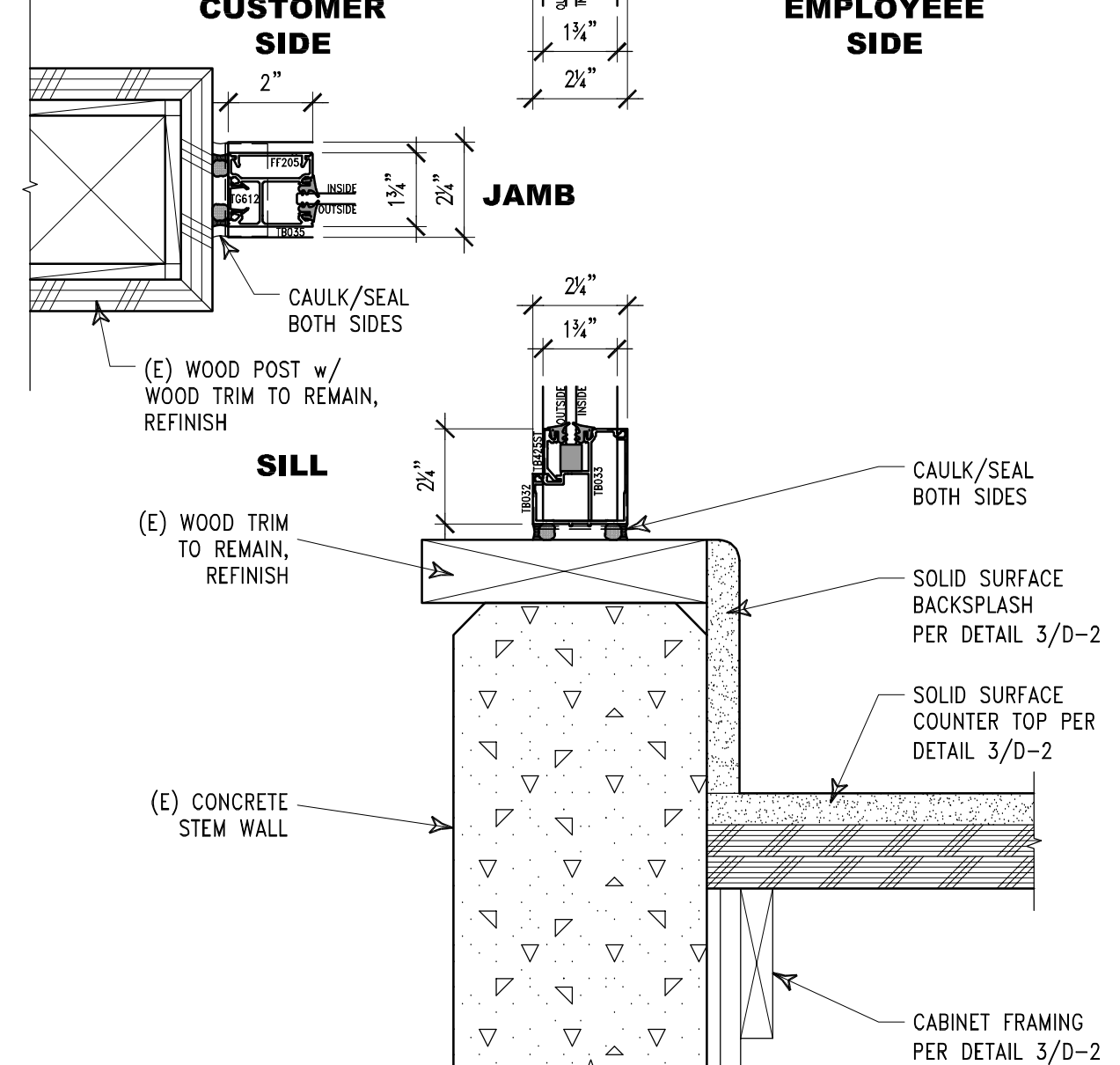
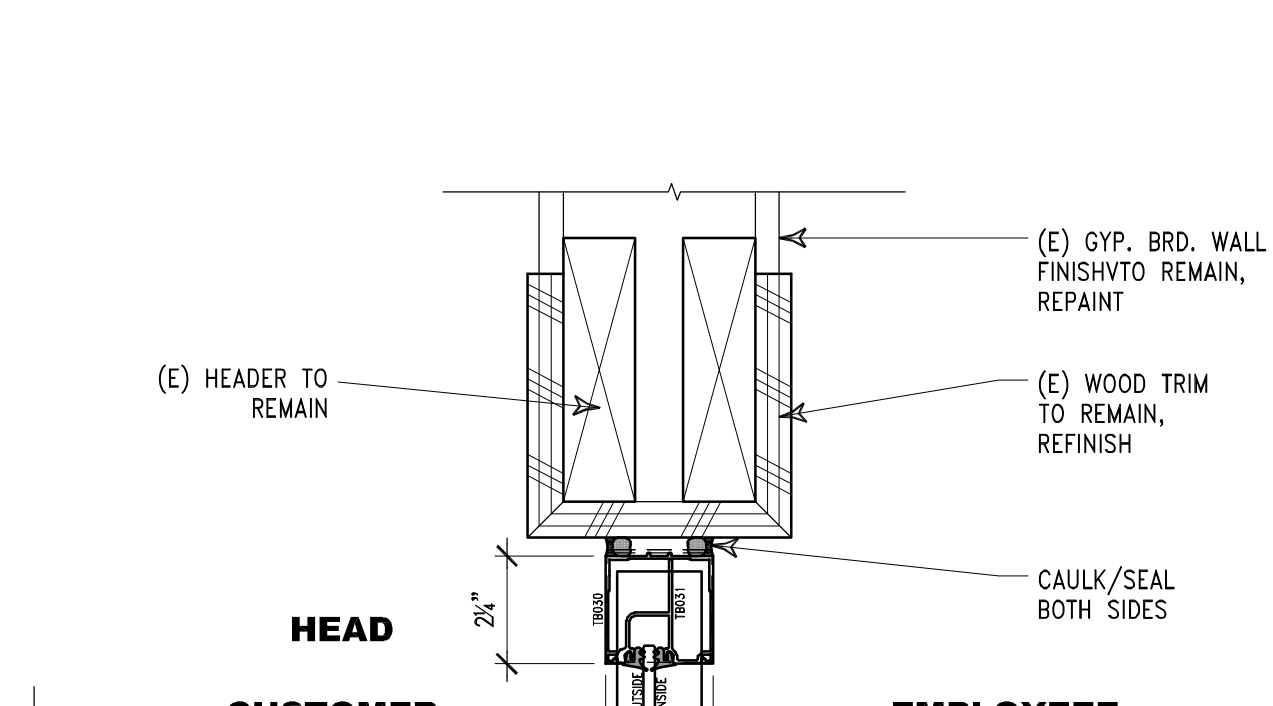
16 DOOR JAMB CONDITIONS
 EXTERIOR COMBO CONCRETE STEM & WOOD STUD WALLS 3'-1'-0"



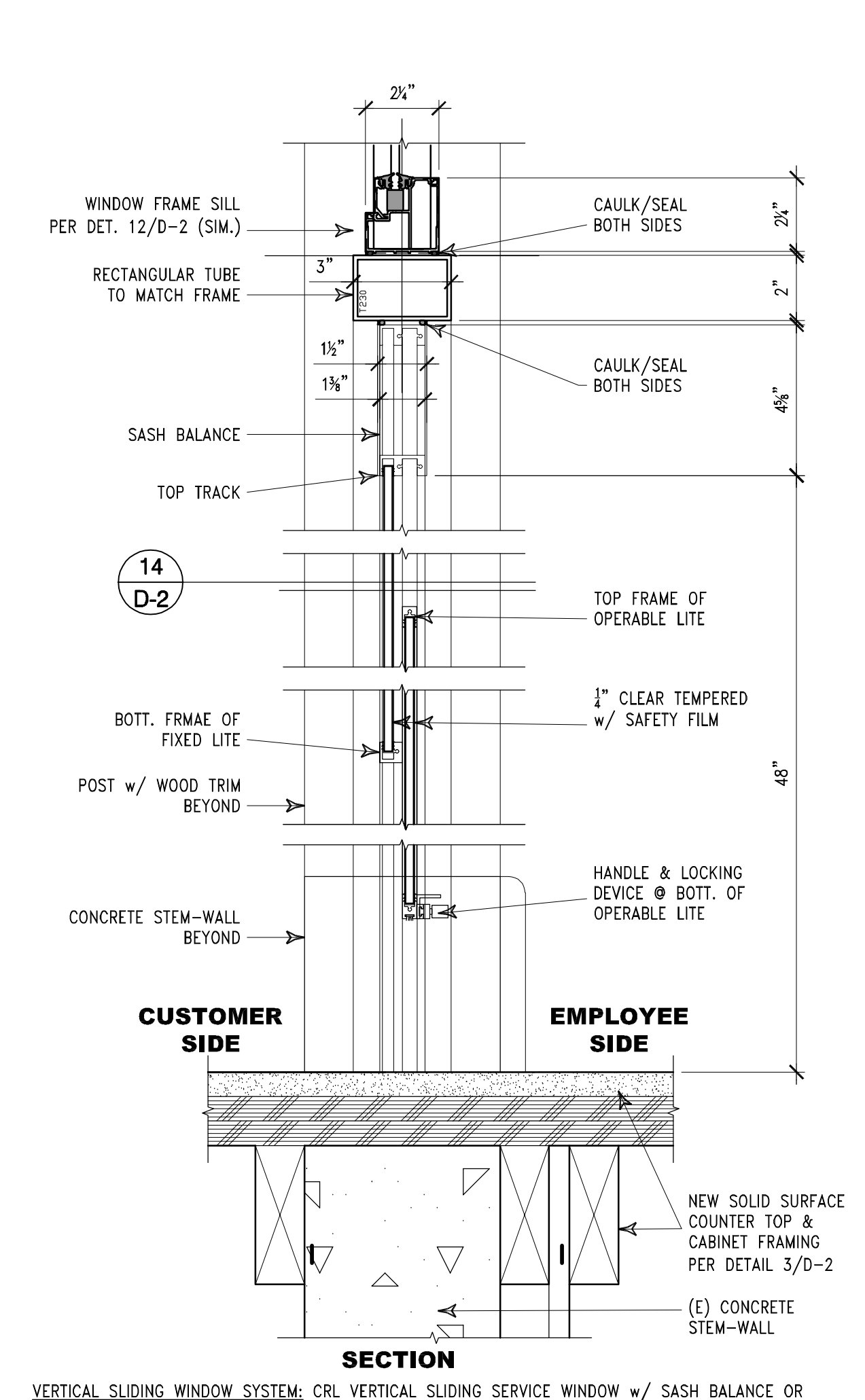
17 DOOR SILL
 TYPICAL EXTERIOR DOORS 3'-1'-0"



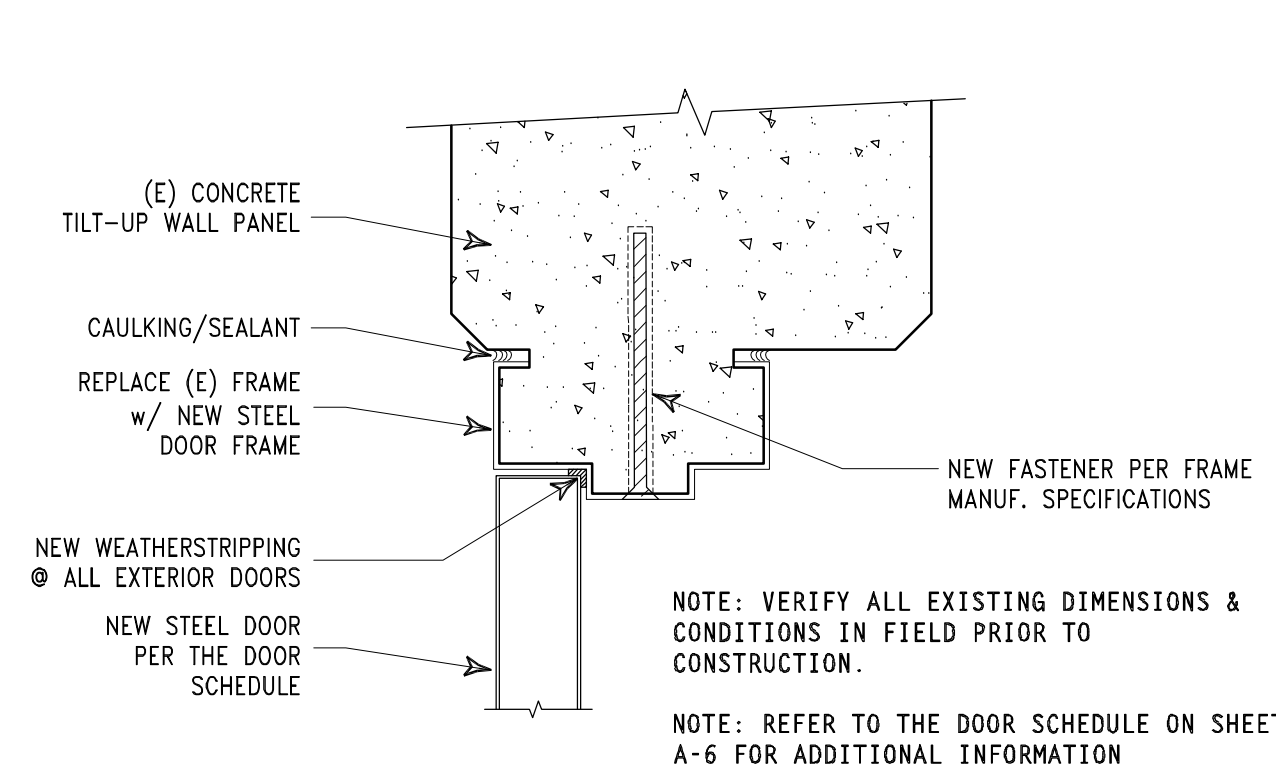
11 DOOR HEAD (JAMB SIM.)
 AT INTERIOR WOOD WALL 3'-1'-0"



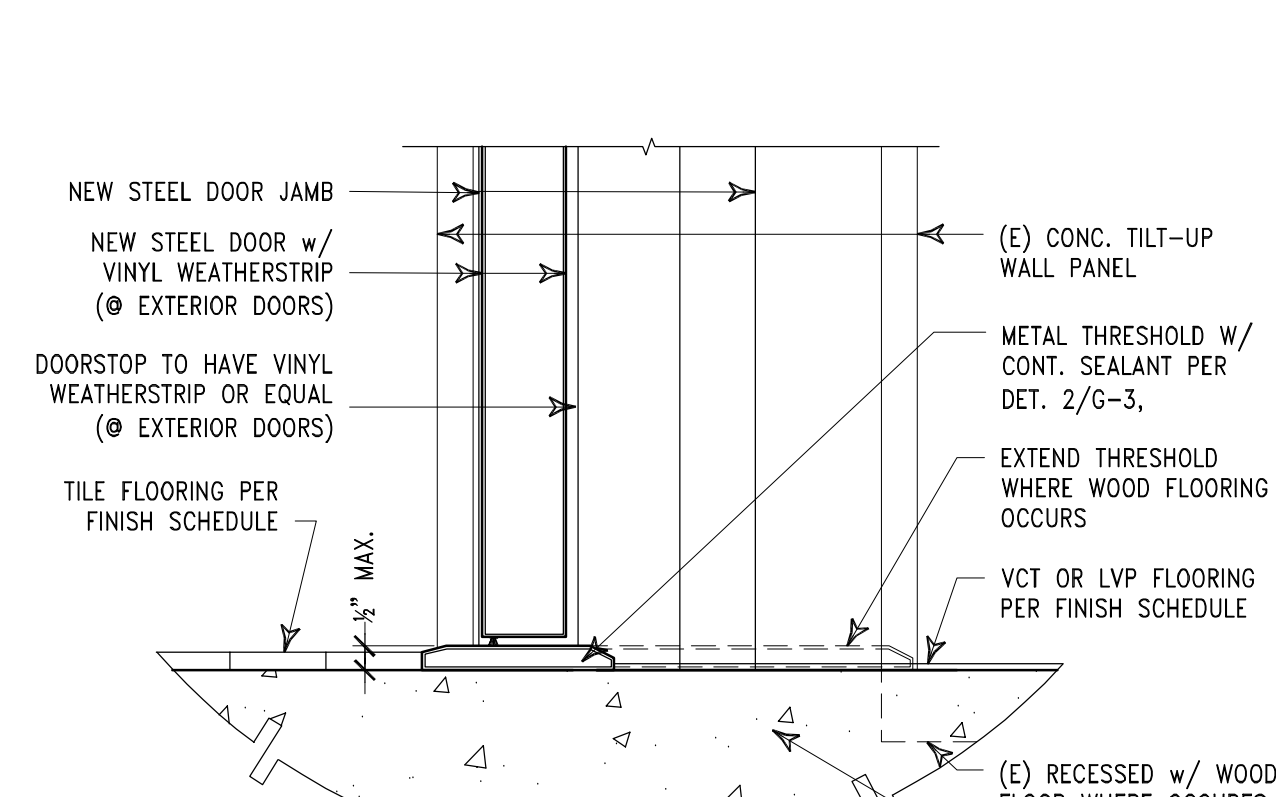
12 INTERIOR WINDOW SYSTEM
 AT EQUIPMENT CHECK COUNTER 3'-1'-0"



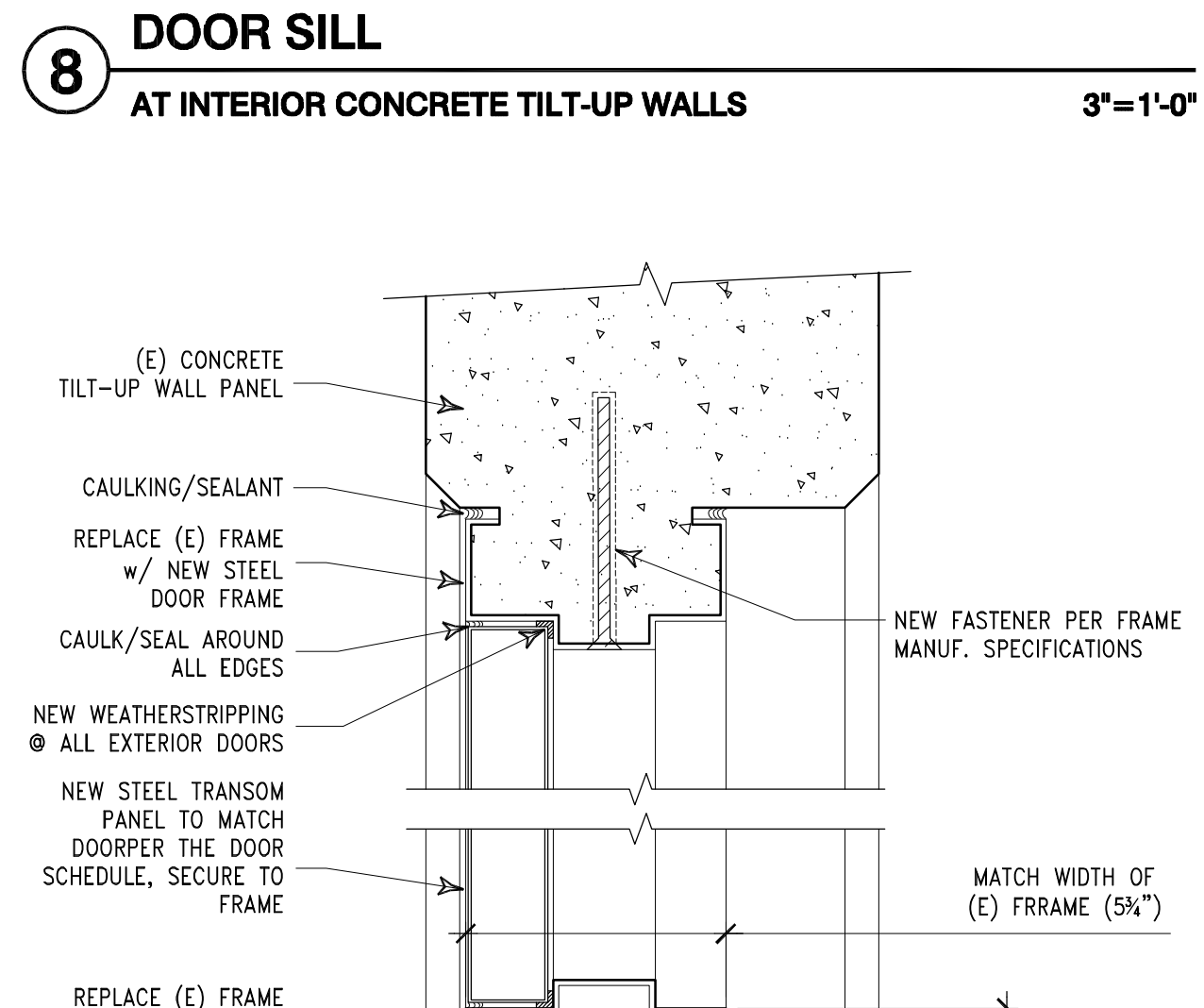
13 INTERIOR PASS-THRU WINDOW SYSTEM
 SECTION - EQUIPMENT CHECK COUNTER 3'-1'-0"



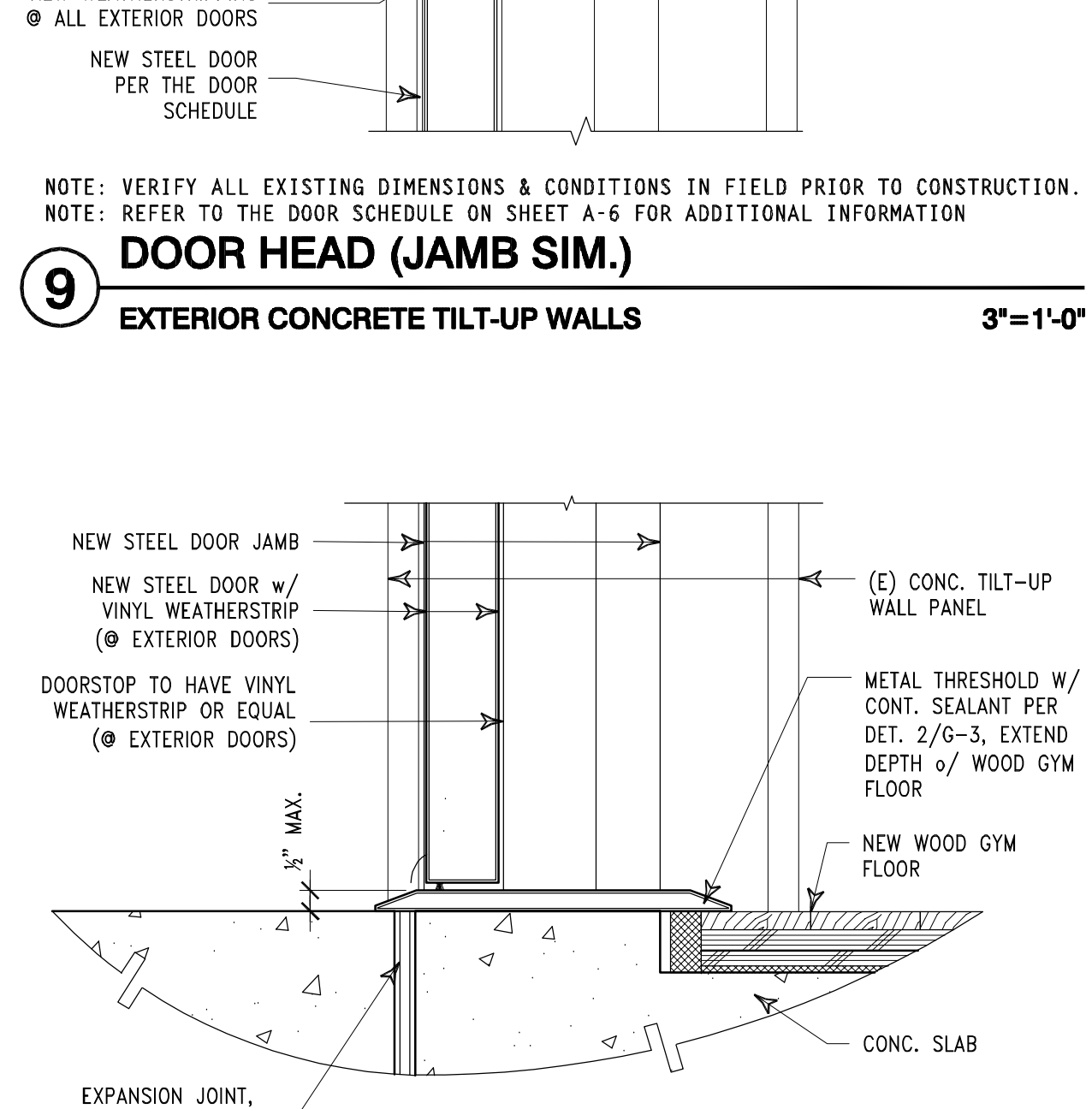
7 DOOR HEAD (JAMB SIM.)
 INTERIOR CONCRETE TILT-UP WALLS 3'-1'-0"



8 DOOR SILL
 AT INTERIOR CONCRETE TILT-UP WALLS 3'-1'-0"

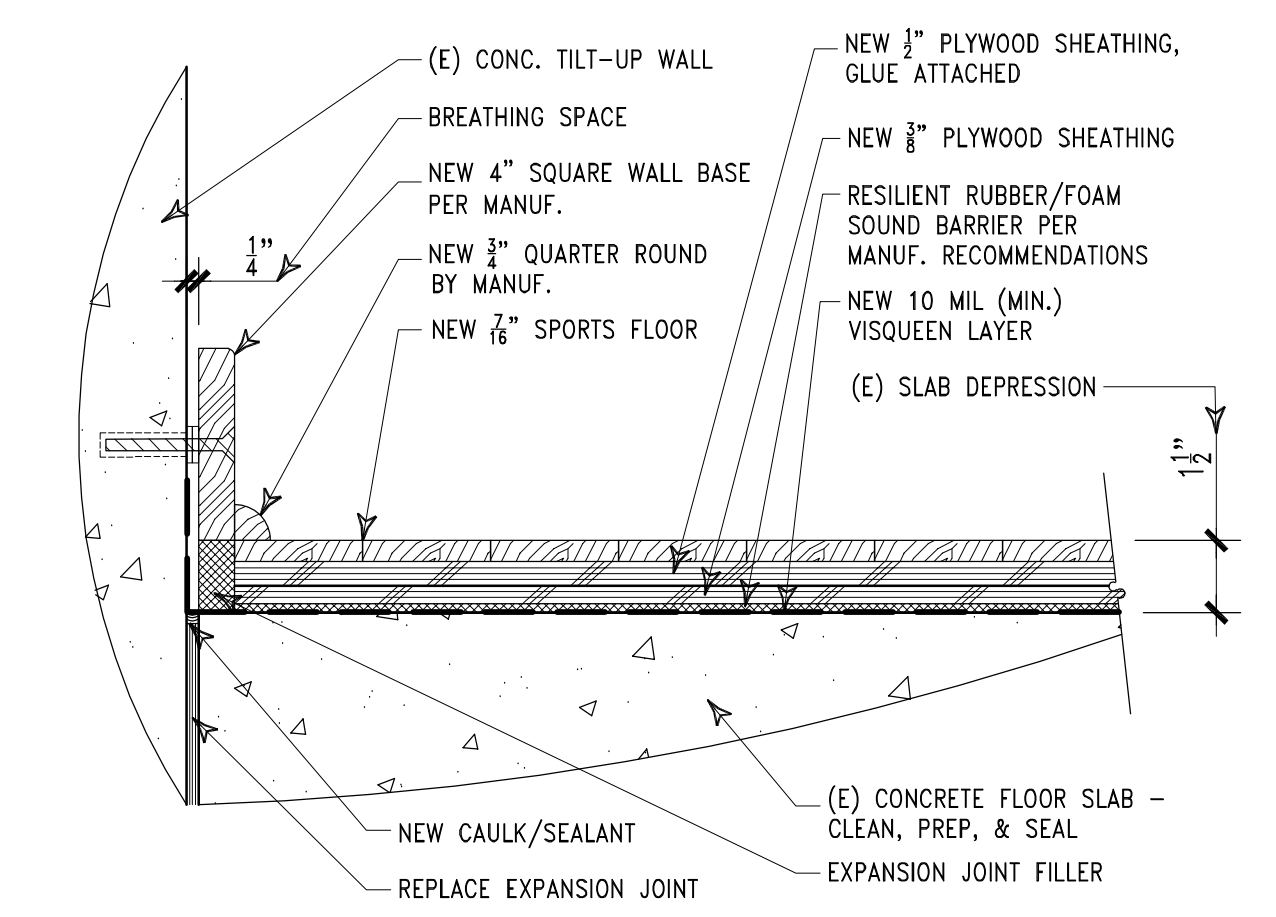
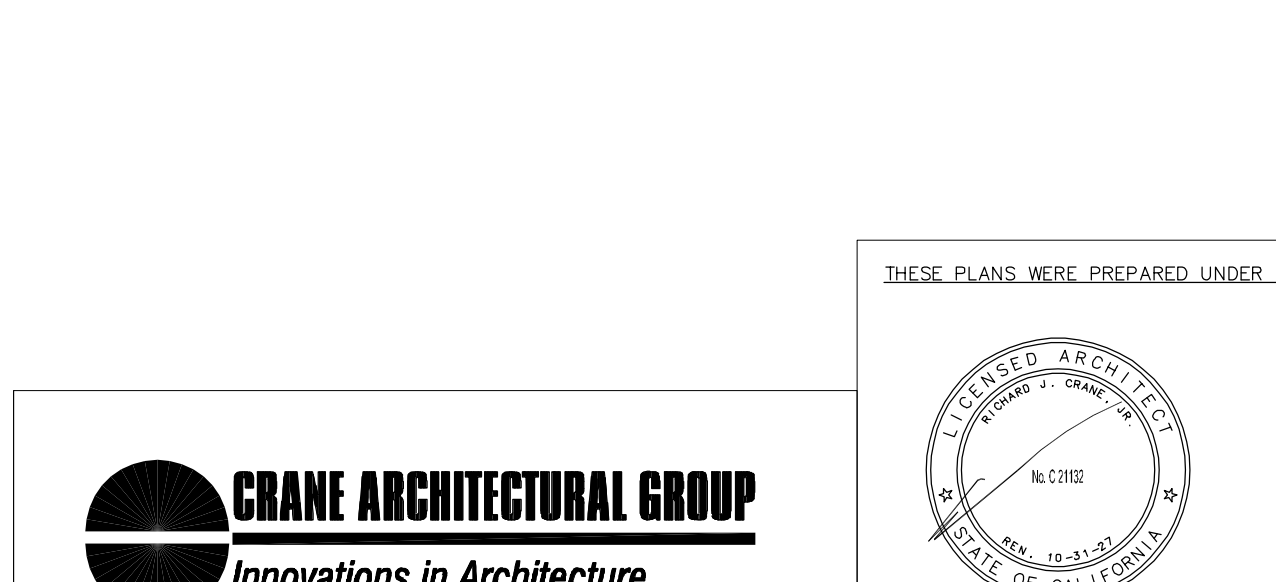


9 DOOR HEAD (JAMB SIM.)
 EXTERIOR CONCRETE TILT-UP WALLS 3'-1'-0"

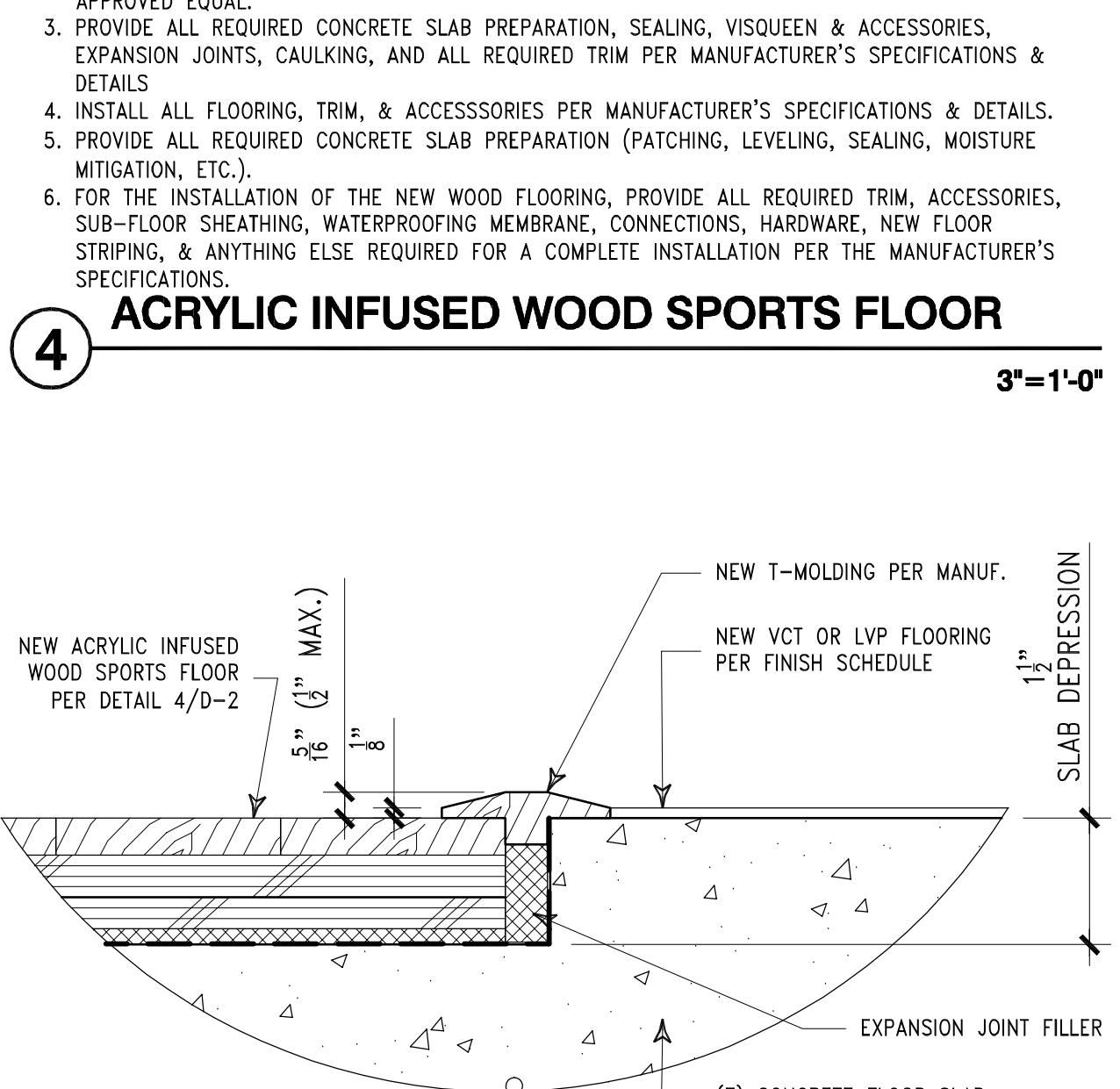


6 TYP. EXHAUST DUCT PENETRATION
 EXTERIOR WALLS 1'-1'-0"

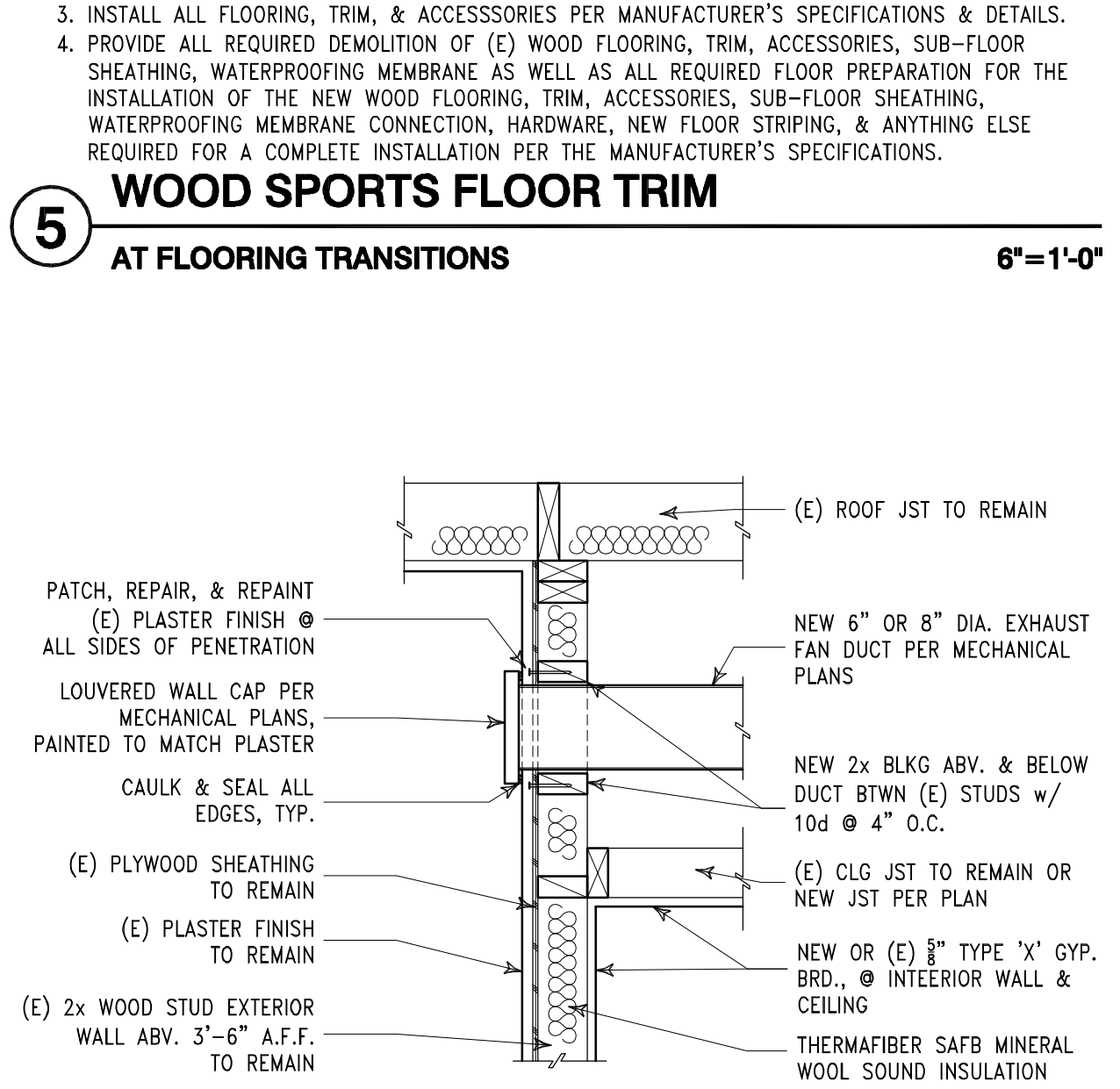
10 DOOR SILL
 EXTERIOR DOORS @ GYNASIUM 3'-1'-0"



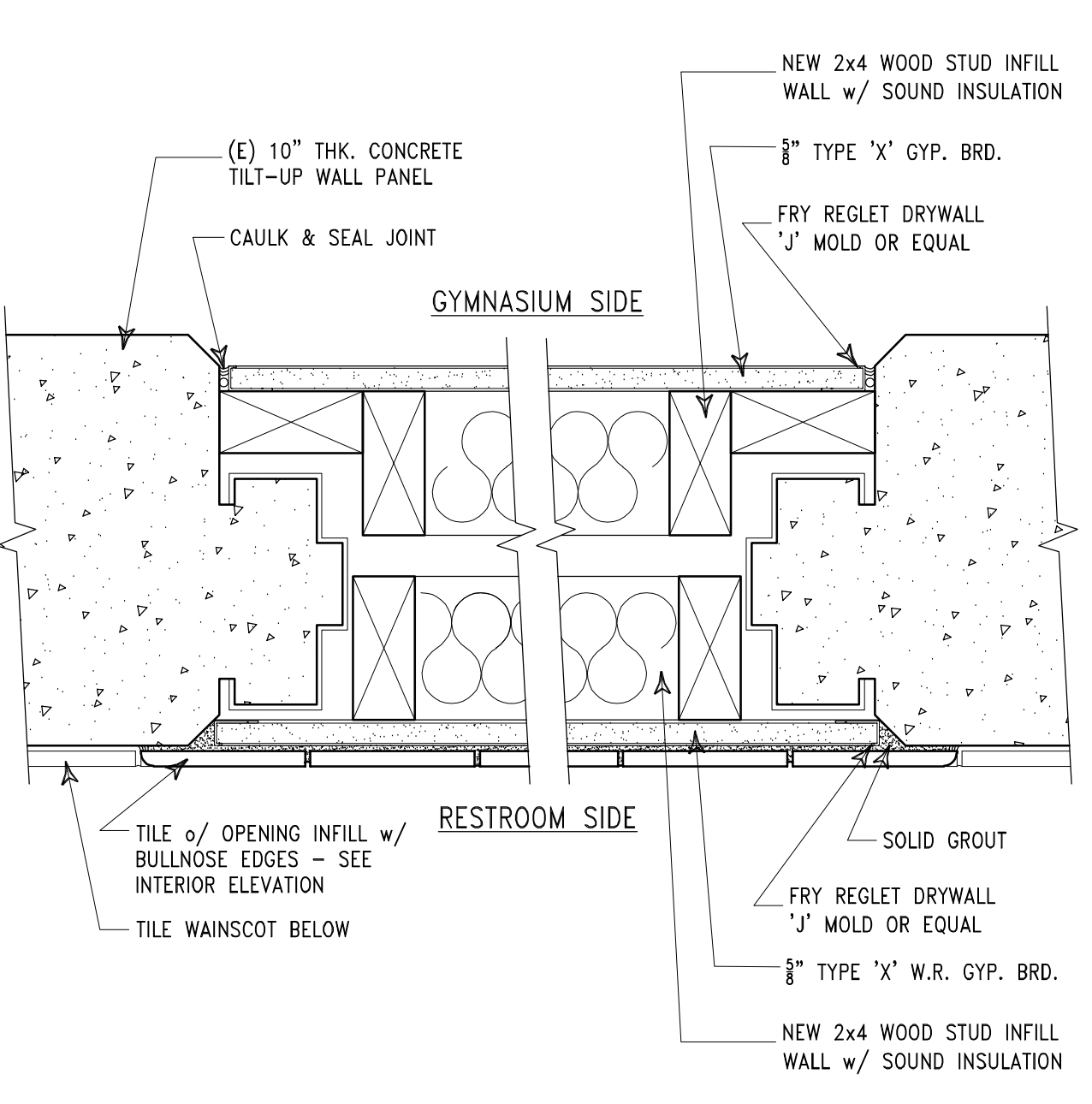
4 ACRYLIC INFUSED WOOD SPORTS FLOOR
 3'-1'-0"



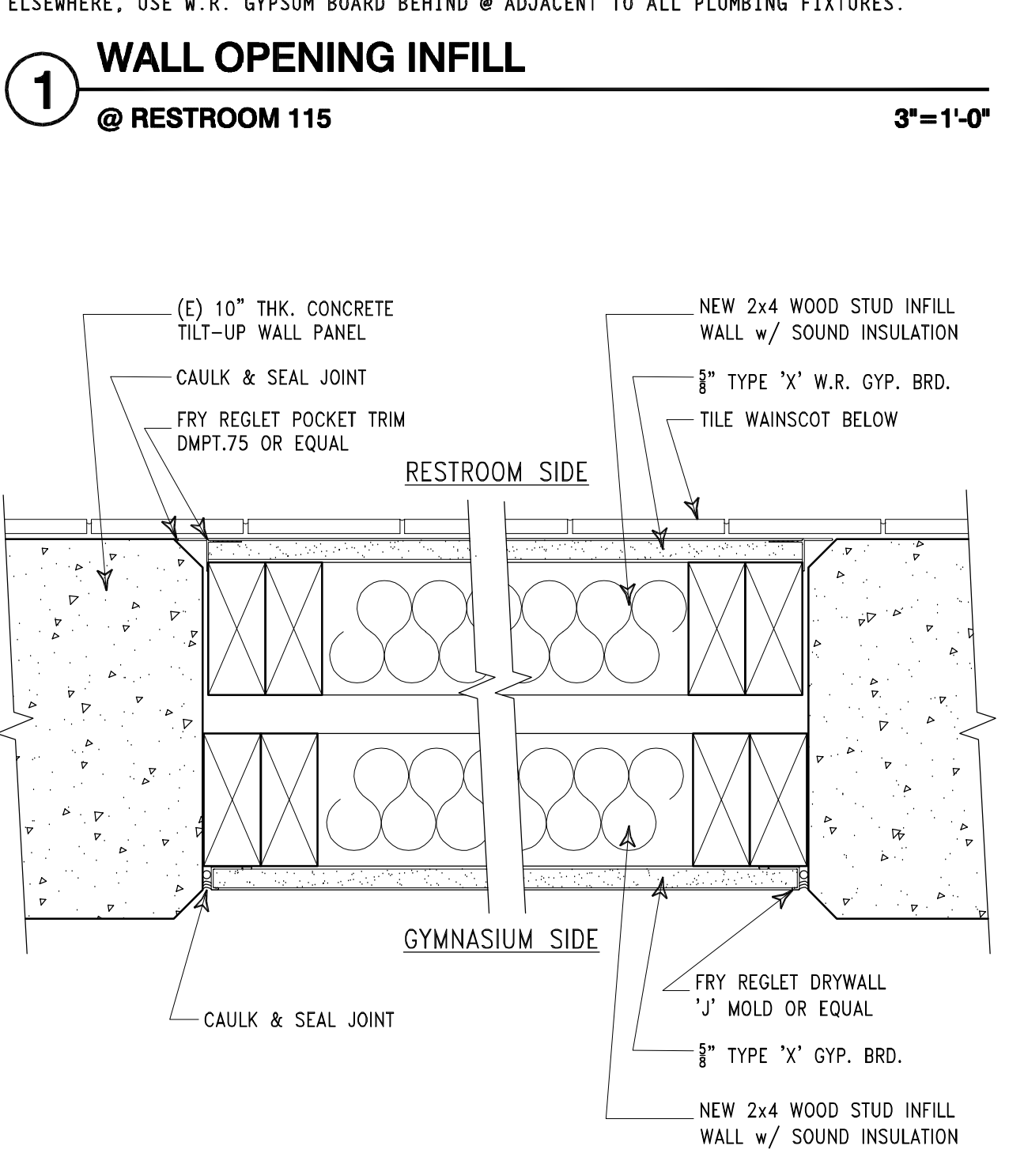
5 WOOD SPORTS FLOOR TRIM
 AT FLOORING TRANSITIONS 6'-1'-0"



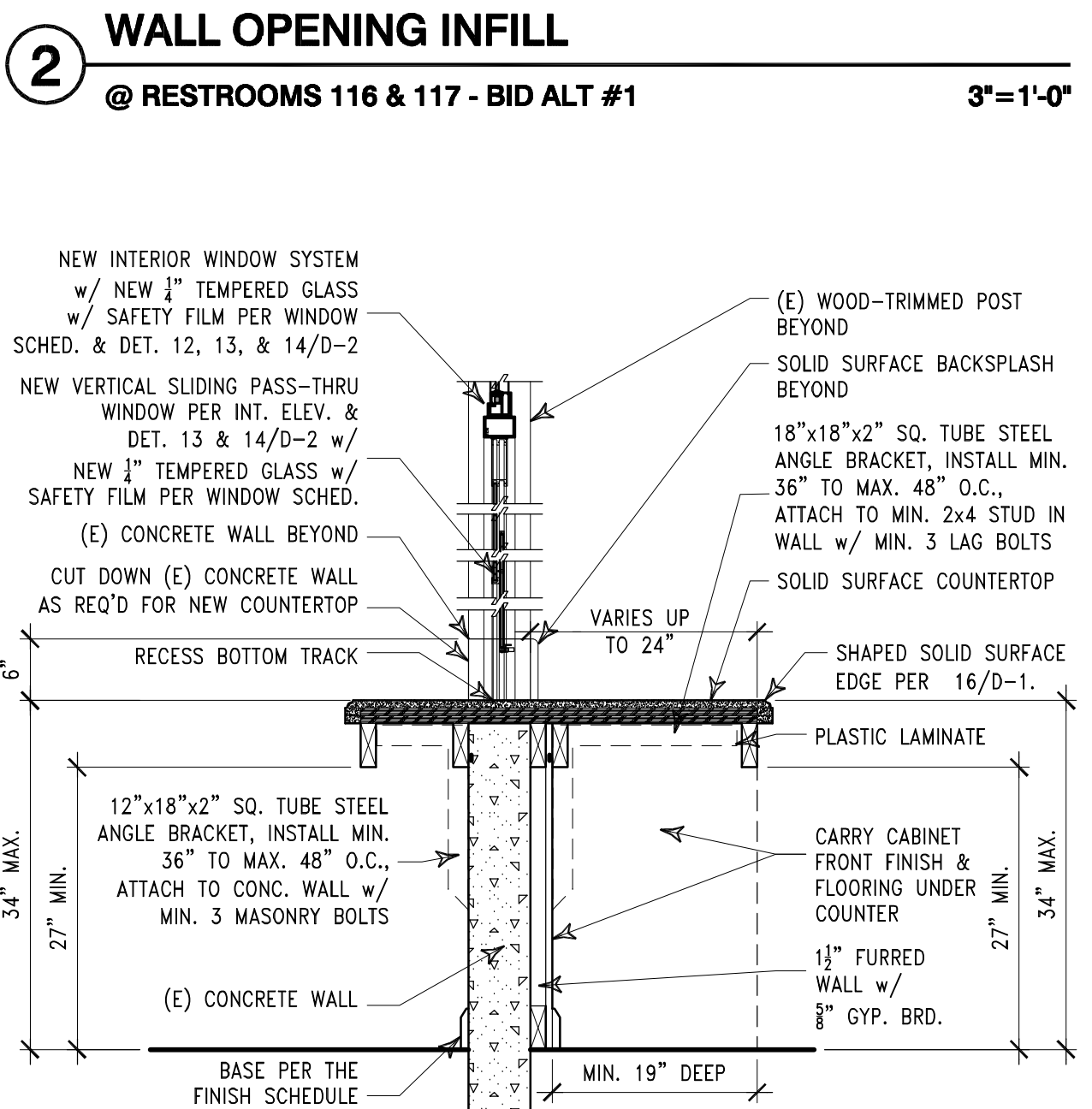
6 TYP. EXHAUST DUCT PENETRATION
 EXTERIOR WALLS 1'-1'-0"



1 WALL OPENING INFILL
 @ RESTROOM 115 3'-1'-0"



2 WALL OPENING INFILL
 @ RESTROOMS 116 & 117 - BID ALT #1 3'-1'-0"



3 KNEE SPACE @ COUNTER
 @ EQUIPMENT CHECK 104 3'-1'-0"

THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF:

CRANE ARCHITECTURAL GROUP
 Innovations in Architecture
 110 E. WILSHIRE AVE., SUITE 300 FULLERTON, CA 92632 714.629-0863 FAX 714.629-9828

5/27/26 C25-105

NUMBER	DESCRIPTION	DATE	DRAWN	INITIALS	DATE
	DESIGNED	03/05/26	S.K.		
	REVIEWED	10/15/25	M.B.		
	STREET	03/05/26	R.C.		
	SEWER				
	DRAINAGE				
	WATER				
	TRAFFIC				
	UTILITY/ELEC.				
	LANDSCAPE				
	PAVEMENT				
	GENERAL ENG.				
	DESIGN ENG.				
	INSPECTION				
	PAVKS & REC				
	AS-BUILT				

CITY OF FULLERTON
 PUBLIC WORKS DEPARTMENT
 INDEPENDENCE PARK GYM RENOVATION
 CIP PROJECT 54691

ARCHITECTURAL DETAILS

APPROVED: [Signature] DATE: 05/29/2026
 ACCEPTED: [Signature] DATE: []

SCALE: AS NOTED
 B.M.: N/A

SHEET 20 OF 54 SHEETS
 FILE: MISC 5437

CIP 54691 - INDEPENDENCE PARK GYM RENOVATION

A. GENERAL

- GENERAL CONTRACTORS SHALL VERIFY ALL GRADES, DIMENSIONS AND CONDITIONS AT THE JOB SITE WITH COMPLETE SET OF DRAWINGS PRIOR TO BIDDING AND COMMENCING CONSTRUCTION. THE ARCHITECT OR ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
- ALL MATERIALS AND WORK PERFORMED SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE 2025 CALIFORNIA BUILDING CODE, ASCE 7-16, ASCE 310-16, ASCE 341-16, ASCE 358-16, ACI 318-19, NDS 2018, AND ANY OTHER APPLICABLE CODES AND ORDINANCES.
- THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE STRUCTURE SHOWN ON THESE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. GENERAL CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMAN AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR CONSTRUCTION EQUIPMENT AND SHORING FOR THE STRUCTURE.
- IN NO CASE SHALL DIMENSIONS BE SCALED FROM DRAWINGS AND/OR DETAILS. ANY DISCREPANCIES FOUND WITHIN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ARCHITECTS AND THE ENGINEERS ATTENTION FOR CLARIFICATION PRIOR TO PROCEEDING. ANY WORK INSTALLED PRIOR TO AND/OR IN CONFLICT WITH SUCH CLARIFICATION SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE AND AT NO ADDITIONAL COST TO THE OWNER.
- WHERE A DETAIL, SECTION OR A NOTE IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS UNLESS NOTED OTHERWISE.
- GENERAL CONTRACTOR TO NOTIFY ARCHITECT AND ENGINEER AS TO ANY DISCREPANCIES BETWEEN SPECIFICATIONS, GENERAL NOTES, STRUCTURAL PLANS AND DETAILS.
- ANY REFERENCES TO THE WORDS APPROVED, OR APPROVAL IN THESE DOCUMENTS SHALL BE HERE DEFINED TO MEAN GENERAL ACCEPTANCE OR REVIEW AND SHALL NOT RELIEVE THE CONTRACTOR AND/OR HIS SUBCONTRACTORS OF ANY LIABILITY IN FURNISHING THE REQUIRED MATERIALS OR LABOR SPECIFICATION.
- ALL MATERIALS SHALL BE FURNISHED AS SHOWN HEREIN UNLESS ALTERNATES ARE APPROVED IN WRITING BY THE ARCHITECT, OWNER, AND STRUCTURAL ENGINEER OF THE RECORD.
- THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION AND COORDINATION WITH ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SPRINKLER DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL WORK, INCLUDING THAT OF ALL SUBTRADES.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER INDICATED ON CONTRACT DRAWINGS OR NOT, AND TO PROTECT THEM FROM DAMAGE. REPAIR AND REPLACE OF SAID WORK SHALL BE AT THE EXPENSE OF THE CONTRACTOR.
- UNLESS NOTED, SUBMIT SHOP DRAWINGS FOR ALL FABRICATED MATERIALS. SHOP DRAWINGS WILL NOT BE REVIEWED UNLESS THEY ARE APPROVED AND ACCEPTED WITH A STAMP FROM GENERAL CONTRACTOR AS CONFORMING TO THE CONSTRUCTION DOCUMENTS.
- UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ON THE DRAWINGS ARE TO TOP OF BEAMS SLAB, AND FOUNDATION.

B. STRUCTURAL STEEL

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LATEST EDITION OF AISC MANUAL OF STEEL CONSTRUCTION AND SHALL BE DETAILED, FABRICATED AND ERRECTED IN CONFORMANCE WITH THE AISC SPECIFICATIONS.
- MATERIALS:
 - TUBE MEMBERS ASTM A500, GRADE B (Fy=46 KSI)
 - PIPE COLUMNS ASTM A513, TYPE S, GRADE B
 - SHAPES COLUMNS & BEAMS ASTM A33, TYPE S, GRADE B
 - CHANNEL, ANGLES & PLATES ASTM A36
 - WELDED STUD BOLTS, BOLTS ASTM A307, GRADE "A" U.N.O.
- STRUCTURAL STEEL FABRICATORS SHALL FURNISH SHOP DRAWINGS OF ALL STEEL FOR REVIEW OF STRUCTURAL ENGINEER PRIOR TO FABRICATION.
- ALL STRUCTURAL STEEL MUST BE SUPPLIED BY A CITY OF FULLERTON APPROVED FABRICATOR SHOP. EXCEPT WHERE ENCASED IN MASONRY, CONCRETE OR SPRAYED ON FIRE PROOFING, ALL STEEL SHALL RECEIVE ONE SHOP COAT OF RUST INHIBITING PRIMER.
- HOLES SHALL NOT BE PLACED IN STEEL MEMBERS UNLESS SPECIFICALLY DETAILED ON DRAWINGS. STEEL MEMBERS SHALL BE SHORED WHEN PERMISSIBLE HOLES ARE CUT OR BURNED. BOLT HOLES SHALL CONFORM TO AISC SPECIFICATION, AND SHALL BE STANDARD HOLES UNLESS OTHERWISE NOTED.
- GROUTING OF BASE PLATES SHALL BE WITH NON-SHRINK GROUT OR DRY PACKED WITH MINIMUM COMPRESSIVE STRENGTH AS SPECIFIED IN THE CONCRETE SECTION OF NOTES. ALL SURFACES SHALL BE CLEAN OF FOREIGN MATERIAL PRIOR TO GROUTING.
- HIGH STRENGTH BOLTS SHALL CONFORM TO ASTM A325N OR A490, AND BE PROVIDED WITH HARDENED WASHERS CONFORMING TO ASTM F436.
- STRUCTURAL STEEL SHALL BE DELIVERED TO THE JOB SITE FREE OF RUST, MILL SCALE, GREASE, ETC.

C. WELDING

- ALL WELDING SHALL CONFORM TO THE LATEST EDITION OF THE STRUCTURAL WELDING CODE ANSI/AWS D1.1-2015
- ALL WELDING SHALL BE PERFORMED USING THE SHIELDED METAL ARC WELDING PROCESS (SMAW) WITH E70XX ELECTRODES OR THE SUBMERGED ARC WELDING PROCESS (SAW) WITH E70XX LOW HYDROGEN ELECTRODES SHALL BE USED AND PARENT METALS SHALL BE PREHEATED.
- ALL WELDING SHALL BE PERFORMED BY A WELDER CERTIFIED BY CITY OF FULLERTON BLDG. DEPT. ALL WELDING PERFORMED ON SITE SHALL BE DONE IN THE PRESENT OF CITY OF FULLERTON APPROVED SPECIAL INSPECTOR. ALL FIELD WELDING MUST BE INDICATED ON SHOP DRAWINGS. CITY OF FULLERTON WELDING DEPARTMENT LICENSED SHOP IS REQUIRED FOR SHOP WELDS.
- ALL EXPOSED WELDED CONNECTIONS SHALL BE FILLED AND GROUND SMOOTH AND SUBJECT TO ARCHITECTS APPROVAL.
- ALL WELDS NOT SPECIFIED SHALL BE CONTINUOUS FILLET WELDS. SIZE OF WELDS SHALL BE BASED ON AISC STANDARDS FOR THICKER MATERIAL CONNECTED.
- WELDED JOINTS SHALL BE DESIGNED IN ACCORDANCE WITH CHAPTER J OF THE SPECIFICATION AND A WELDING PROCEDURE SPECIFICATION (WPS) AS REQUIRED IN AWS D1.1B/D1.1EM AND APPROVED BY THE ENGINEER OR RECORD. "PROVIDE WELDING PROCEDURE SPECIFICATION" ON PLANS.
- DISCONTINUITIES IN WELD CREATED BY ERRORS OR BY FABRICATION OR ERECTION OPERATIONS, SUCH AS TACK WELDS, ERECTION AIDS, AIR-ARC GOUGING AND FLAME CUTTING, SHALL BE REQUIRED BY ENGINEER OF RECORD.
- ALL BOLTS USED AS A PART OF THE SEISMIC FORCE RESISTING SYSTEM SHALL BE FULLY TENSIONED HIGH STRENGTH BOLTS.
- THE SPECIFICATION AND FABRICATION FOR STEEL FRAMES SHALL COMPLY WITH ATTACHED WELDING AND

F. WOOD FRAMING

- ALL FRAMING SHALL CONFORM TO THE GRADES AS SET BY THE W.C.L.I.B. OR W.W.P.A. LATEST CALIFORNIA BUILDING CODE AND NATIONAL DESIGN SPECIFICATION (N.D.S.) ALL LUMBER SHALL BEAR THE GRADE STAMP OF AN APPROVED TESTING AGENCY, EXCEPT EXPOSED LUMBER AT VISIBLE AREAS.
- UNLESS NOTED OTHERWISE, FRAMING LUMBER SHALL BE DOUGLAS FIR-LARCH.
 - STUDS 2" THICK, 4" WIDE (MAX. 8'-1" HT) STUD GRADE
 - STUDS 2" THICK, 4" WIDE (MAX. 10'-1" HT) NO. 2
 - NAILERS NO. 2
 - SUBPURLINS, BEAMS, STRINGERS 4" AND THICKER, 6" AND WIDER NO. 1
 - POSTS AND COLUMNS 4x4 AND LARGER NO. 1
 - MOISTURE CONTENT OF ALL LUMBER SHALL BE 19% MAX.
- STRUCTURAL MEMBERS SHALL NOT BE CUT FOR PIPES, CONDUIT, ETC. UNLESS SPECIFICALLY DETAILED ON DRAWINGS.
- FOR NAILING SCHEDULE COMPLY WITH 2022 CALIFORNIA BUILDING CODE TABLE 2304.10.2.
- ALL NAILS SHALL BE COMMON NAILS IN COMPLIANCE WITH FEDERAL SPECIFICATIONS FF-N-105B SINKERS SHALL NOT BE ALLOWED UNLESS APPROVED BY THE ENGINEER. ALL NAILS EXPOSED TO WEATHER, HEAT AND/OR MOISTURE SHALL BE GALVANIZED. AS AN ALTERNATE, SIMPSON STRONG-TIE "WSNTL2L" WOOD SCREWS (ICC ESR#1472) CAN BE USED IN LIEU OF NAILS.
- ALL WOOD IN CONTACT WITH THE GROUND, MASONRY, OR CONCRETE SHALL BE PRESSURE TREATED. ALL NAILS AND BOLTS IN PRESSURE TREATED WOOD SILL PLATES SHALL BE HOT DIPPED GALVANIZED, STAINLESS STEEL, OR SILICON BRONZE COPPER.
- ALL FRAMING HARDWARE SHALL BE MANUFACTURED BY "SIMPSON STRONG TIE" COMPANY, INC. OR APPROVED EQUAL WITH VALID & CURRENT ICC REPORT. ALL CONNECTIONS SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION AND SPECIFICATION TO DEVELOP THE MAXIMUM CAPACITY.
- LAG SCREWS SHALL CONFORM TO A.N.S.I. B-18. PROVIDE LEAD HOLE 40-70% OF THREADED SHANK DIA. AND FULL DIA. FOR SMOOTH SHANK PORTION. SOAP, PARAFFIN OR OTHER APPROVED LUBRICANT SHALL BE USED ON THREAD INSTALLATION SHALL BE SCREWING, NOT HAMMERING. CARE SHALL BE TAKEN TO AVOID OVER TORQUING BOLT OR SCREW.
- BOLTS SHALL CONFORM TO ASTM A307. ALL BOLTS THROUGH WOOD SHALL HAVE STANDARD WASHERS. BOLT HOLES SHALL BE BORED 1/32" TO 1/16" LARGER THAN THE BOLT DIAMETER UNLESS NOTED OTHERWISE. ALL BOLTS SHALL BE TIGHTENED PRIOR TO BEING COVERED.

ABBREVIATIONS

- ABV. ABOVE
- ADTL. ADDITIONAL
- ALT. ALTERNATE
- ANCH. ANCHOR BOLT
- A.F.F. ABOVE FINISHED FLOOR
- A.C. AIR CONDITIONING
- APA AMERICAN PLYWOOD ASSOCIATION
- A.I.S.C. AMERICAN INSTITUTE OF STEEL CONSTRUCTION
- AS.T.M. AMERICAN SOCIETY OF TESTING MATERIAL
- AND AND
- ANGLE ANGLE
- ARCH. ARCHITECT
- AT AT
- BLOCK BLOCK
- BLW. BELOW
- BM. BEAM
- N. BOUNDARY NAILING
- BTWN. BETWEEN
- BTM. BOTTOM
- BLKG. BLOCKING
- BLDG. BUILDING
- BYS. BEARING
- BTM. BOTTOM OF
- CONSTR. CONSTRUCTION
- C.I.P. CAST IN PLACE
- CL. CLEAR (CLEARANCE)
- CLR. COLUMN
- CONC. CONCRETE
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- CONSTR. JOINT/CONTROL JOINT
- C= CHAMBER
- C= CENTER TO CENTER
- C.L. CENTERLINE
- C.C. CLEAR
- C.C. CLEAR (CLEARANCE)
- CL. COLUMN
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GENERAL NOTES

- ALL DRAWINGS ARE CONSIDERED TO BE PART OF THE CONTRACT DOCUMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS PRIOR TO ANY CONSTRUCTION, INCLUDING STRUCTURAL, PLUMBING, AIR CONDITIONING AND ELECTRICAL. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE, AND AT NO EXPENSE TO THE OWNER.
- THESE DRAWINGS ARE DIAGRAMMATIC. THE LOCATION & ELEVATION OF ALL DUCTWORK AND PIPING IS APPROXIMATE AND SHALL BE VERIFIED AND COORDINATED WITH ALL OTHER TRADES, STRUCTURAL CONDITIONS AND BUILDING CONSTRUCTION PRIOR TO START OF INSTALLATION.
- ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF CLARIFICATION IS REQUIRED, THE CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
- DO NOT SCALE DRAWINGS. ALL DIMENSIONS AND JOB SITE CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE JOB SITE PRIOR TO BID SUBMITTAL. START OF CONSTRUCTION AND/OR FABRICATION OF MATERIALS. VERIFY ALL EXISTING DUCTWORK, PIPING, ELEVATIONS, SIZES AND POINT OF CONNECTIONS PRIOR TO START OF WORK. IF DISCREPANCIES ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED FOR CLARIFICATION.
- THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, EQUIPMENT, TRANSPORTATION AND SERVICES NECESSARY FOR COMPLETION OF THE WORK. ALL MATERIALS AND WORK SHALL COMPLY WITH APPLICABLE CODES AND GOVERNING REGULATION AND MEET THE APPROVAL OF THE CITY AND STATE FIRE MARSHALL.
- CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR PROTECTION AND REPAIR OF ADJACENT EXISTING SURFACES AND AREAS WHICH MAY BE DAMAGED AS A RESULT OF DEMOLITION AND/OR NEW WORK.
- VERIFY FINAL LOCATION OF THERMOSTATS WITH ARCHITECT AND/OR TENANT CONSTRUCTION COORDINATOR PRIOR TO ANY INSTALLATION WORK. MOUNT THERMOSTATS 4'-0" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL PROVIDE RECORD/AS BUILT DOCUMENTS TO TENANT CONSTRUCTION COORDINATOR OR ARCHITECT AT COMPLETION OF CONSTRUCTION.
- ALL DUCTWORK SHALL CONFORM TO CHAPTER 6 OF 2022 CMC. ALL DUCTWORK SHALL BE CONSTRUCTED, ERECTED, AND TESTED IN ACCORDANCE WITH THE MOST RESTRICTIVE OF REGULATIONS, PROCEDURES DETAILED IN THE ASHRAE HANDBOOK OF FUNDAMENTALS, OR THE APPLICABLE STANDARDS ADOPTED BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA).
- ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES, AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- WRAP CONCEALED DUCTS WITH FIBERGLASS DUCT INSULATION WRAP (ALL SUPPLY DUCT TO HAVE VAPOR BARRIER). ALL NEW SUPPLY AND RETURN DUCT INSULATION WITHIN THE BUILDING TO HAVE MINIMUM R-8 R-VALUE.
- INSTALL DOUBLE WALL DUCTS FOR ALL EXPOSED OUTDOOR SUPPLY AND RETURN DUCTS WITH AT LEAST 8.0 R-VALUE INSULATION.
- INSULATION APPLIED TO THE EXTERIOR SURFACE OF DUCTS LOCATED IN BUILDINGS SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND SMOKE DEVELOPED RATING OF NOT MORE THAN 50 WHEN TESTED AS A COMPOSITE INSTALLATION INCLUDING INSULATION, FACING MATERIALS, TAPES AND ADHESIVES AS NORMALLY APPLIED.
- ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE 2022 CALIFORNIA MECHANICAL CODE (C.M.C.), 2022 CALIFORNIA BUILDING CODE (C.B.C.) AND ALL OTHER APPLICABLE CODES AND REGULATIONS.
- MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITIES.
- AIR LEAKAGE TESTING SHALL BE PERFORMED BY SMACNA HVAC DUCT LEAKAGE TEST MANUAL.
- LINE VOLTAGE WIRING, ALL CONDUIT, DISCONNECT SWITCHES AND FINAL CONNECTION BY ELECTRICAL CONTRACTOR. LOW VOLTAGE CONDUIT AND WIRING AND FINAL CONNECTION BY MECHANICAL CONTRACTOR.
- THE TOTAL SYSTEM AIR BALANCE SHALL BE PERFORMED BY AN INDEPENDENT AGENCY CERTIFIED BY THE ASBC OR NEBB. THIS WORK SHALL CONFORM TO ASBC OR NEBB SPECIFICATIONS AS REFERRED TO IN THE NATIONAL STANDARDS.
- ALL PIPING AND DUCT WORK SHALL BE INSULATED CONSISTENT WITH THE REQUIREMENTS OF SECTION 120 OF CALIFORNIA ENERGY CODE 2022.
- PROVIDE GUIDE VANES FOR ALL RECTANGULAR DUCT ELBOWS.
- AUTOMATIC SHUTOFFS:**
PER SEC. 609 OF 2022 CMC WHEN REQUIRED, EACH SINGLE SYSTEM PROVIDING HEATING OR COOLING AIR IN EXCESS OF 2,000 CUBIC FEET PER MINUTE SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF. AUTOMATIC SHUTOFF SHALL BE ACCOMPLISHED BY INTERRUPTING THE POWER SOURCE OF THE AIR MOVING EQUIPMENT DEVICES WHICH WILL DETECT PRODUCTS OF COMBUSTION OTHER THAN HEAT AND WHICH COMPLY WITH UL 268A SHALL BE LABELED BY AN APPROVED AGENCY FOR AIR DUCT INSTALLATION AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. SUCH DEVICES SHALL BE COMPATIBLE WITH THE OPERATING VELOCITIES, PRESSURES, TEMPERATURES AND HUMIDITY OF THE SYSTEM WHERE FIRE DETECTION OR ALARM SYSTEMS ARE PROVIDED FOR THE BUILDING. SMOKE DETECTORS SHALL BE SUPERVISED BY SUCH SYSTEMS.
- FOR THE PURPOSE OF CLEARANCE AND LEGIBILITY, THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ALTHOUGH SIZES AND LOCATIONS OF EQUIPMENT IS DRAWN TO SCALE WHEREVER POSSIBLE, THE CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL OF THE CONTRACT DOCUMENTS AND VERIFY THIS INFORMATION BEFORE ORDERING, FABRICATING OR INSTALLATION OF ANY MATERIALS.
- HVAC SYSTEM AND COMPONENTS WILL BE TESTED, ADJUSTED AND BALANCED IN ACCORDANCE WITH ASBC'S NATIONAL STANDARDS FOR TOTAL SYSTEM BALANCE 7TH EDITION.
- MECHANICAL MATERIAL STANDARD SHALL BE LISTED AND LABELING TO COMPLY WITH TABLE 1701.1. CMC 306.1 AND CMC 307.1.
- CONNECTIONS OF METAL DUCTS AND THE INNER CORE OF FLEXIBLE DUCTS SHALL BE MECHANICALLY FASTENED. OPENINGS SHALL BE SEALED WITH MASTIC TAPE, AEROSOL SEALANT OR OTHER DUCT CLOSURE SYSTEM THAT MEETS THE APPLICABLE REQUIREMENTS OF UL 181, UL 181A OR UL 181B. IF MASTIC OR TAPE IS USED TO SEAL OPENINGS GREATER THAN 1/4", THE COMBINATION OF MASTIC AND EITHER MESH OR TAPE SHALL BE USED.
- PORTIONS OF SUPPLY AIR AND RETURN AIR DUCTS CONVEYING HEATED AND COOLED AIR LOCATED IN ONE OR MORE OF THE FOLLOWING SPACES SHALL BE INSULATED TO A MINIMUM INSTALLED LEVEL OF R-8:
26.1. OUTDOORS OR;
26.2. IN A SPACE BETWEEN THE ROOF AND AN INSULATED CEILING OR;
26.3. IN A SPACE DIRECTLY UNDER A ROOF WITH FIXED VENTS OR OPENINGS TO THE OUTSIDE OR UNCONDITIONED SPACES OR;
26.4. IN AN UNCONDITIONED CRAWLSPACE OR;
26.5. IN OTHER UNCONDITIONED SPACES
- ALL FACTORY FABRICATED DUCT SYSTEMS SHALL COMPLY WITH UL 181 FOR DUCTS AND CLOSURE SYSTEMS, INCLUDING COLLARS, CONNECTIONS, AND SPICES, AND BE LABELED AS COMPLYING WITH UL 181.
- FACTOR-MADE RIGID FIBERGLASS AND FLEXIBLE DUCTS FOR FIELD-FABRICATED DUCT SYSTEMS SHALL COMPLY WITH UL 181.
- HEATING AND COOLING PIPING MATERIAL : COPPER
- REFRIGERANT PIPING MATERIAL : COPPER.
- CONDENSATE PIPING MATERIAL : COPPER.

MANDATORY NOTES

- ALL RECIRCULATED AIR OR OUTDOOR AIR SUPPLIED TO OCCUPIABLE SPACES IS FILTERED (MINIMUM MERV 13 BEFORE PASSING THROUGH ANY AIR CONDITIONING COMPONENT); THE LESSER OF THE MINIMUM RATE OF OUTDOOR AIR REQUIRED BY SEC. 120.1(C), OR THREE COMPLETE AIR CHANGES SHALL BE SUPPLIED TO THE ENTIRE BUILDING DURING THE ONE-HOUR PERIOD IMMEDIATELY BEFORE THE BUILDING IS NORMALLY OCCUPIED 120.1(D)(2).
- ALL MECHANICAL VENTILATION AND SPACE-CONDITIONING SYSTEMS SHALL BE DESIGNED WITH DUCTWORK, DAMPERS, AND CONTROLS WHICH ALLOWS OUTSIDE AIR RATES TO BE OPERATED AT THE LARGER OF (1) THE MINIMUM LEVELS SPECIFIED IN SECTION 120.1(C)(3) OR (2) THE RATE REQUIRED FOR MAKE-UP OF EXHAUST SYSTEMS THAT ARE REQUIRED FOR AN EXEMPT OR COVERED PROCESS, FOR CONTROL OF ODORS, OR FOR THE REMOVAL OF CONTAMINANTS WITHIN THE SPACE. MEASURED OUTSIDE AIR RATES OF CONSTANT AND VARIABLE VOLUME MECHANICAL VENTILATION SYSTEMS SHALL BE WITHIN 10% OF OUTSIDE AIR RATE SHOWN ON TABLE 120.1-A, 120.1 (F) (1)/ 120.1 (F) (2)
- THE THERMOSTATIC CONTROLS FOR HVAC SYSTEMS SHALL BE CAPABLE OF BEING SET LOCALLY OR REMOTELY BY CONTROL COMFORT HEATING DOWN TO 55 °F OR LOWER AND COOLING UP TO 65°F OR HIGHER. THE THERMOSTATIC CONTROLS SHALL BE CAPABLE OF PROVIDING A DEAD BAND RANGE OF AT LEAST 5 °F WITHIN WHICH HEATING AND COOLING ENERGY TO THE ZONE IS SHUT OFF OR REDUCE TO A MINIMUM. 120.2 (A) (B)
- OUTDOOR AIR SUPPLY AND EXHAUST EQUIPMENT SHALL BE INSTALLED WITH DAMPERS THAT AUTOMATICALLY CLOSE UPON FAN SHUTDOWN. 120.2 (F).
- AIR DISTRIBUTION SYSTEM DUCTS AND PLENUMS, INCLUDING, BUT NOT LIMITED TO, BUILDING CAVITIES, MECHANICAL CLOSETS, AIR-HANDLER BOXES AND SUPPORT PLATFORMS USED AS DUCTS OR PLENUMS, SHALL BE INSTALLED, SEALED AND INSULATED TO MEET THE REQUIREMENTS OF CHAPTER 6 CMC CODE AND ANSI/SMACNA -006-2006 HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE. SUPPLY-AIR DUCTS CONVEYING HEATED OR COOLED AIR SHALL BE INSULATED TO A MINIMUM INSTALLED LEVEL OF R-4.2 (R-8 IN UNCONDITIONED SPACE), UNLESS DUCTS ARE IN CONDITIONED SPACE. 120.4 (A)
- FLEXIBLE DUCTWORK INSTALLATION SHALL COMPLY WITH SECTION 603.4 OF CMC 2022.
- SHUTOFF AND RESET CONTROLS FOR SPACE CONDITIONING SYSTEM SHALL COMPLY WITH SECTION 120.2(E) OF CALIFORNIA ENERGY CODE 2022.
- DUCT SYSTEMS USED WITH BLOWER TYPE EQUIPMENT WHICH ARE PORTIONS OF A HEATING, COOLING, ABSORPTION, EVAPORATIVE COOLING OR OUTDOOR AIR VENTILATION SYSTEM SHALL BE SIZED IN ACCORDANCE WITH CHAPTER 17 OF THE CALIFORNIA MECHANICAL CODE.
- ALL APPLIANCES DESIGNED TO BE IN A FIXED POSITION SHALL BE SECURELY FASTENED IN PLACE IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. SUPPORTS FOR APPLIANCES SHALL BE DESIGNED AND CONSTRUCTED TO RESIST HORIZONTAL AND VERTICAL LOADS WITHIN THE STRESS LIMITATIONS OF THE CBC. CMC 303.4.
- ALL MATERIALS EXPOSED WITHIN DUCTS AND PLENUMS INCLUDING ANY ABOVE CEILING RETURN AIR PLENUM SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX NOT TO EXCEED TWENTY-FIVE (25) AND A SMOKE DEVELOPED INDEX NOT TO EXCEED TEN (10) WHEN TESTED AS A COMPOSITE PRODUCT IN ACCORDANCE WITH ASTM E 84 OR UL 723 AND SHALL COMPLY WITH ALL REQUIREMENTS OF THE 2022 CMC SECTION 602.2.
- INSTALLATION OF DUCTS SHALL BE IN ACCORDANCE WITH SECTION 603.0 OF THE 2022 CMC.
• ALL DUCTWORK FOR HEATING AND COOLING SYSTEM OR EVAPORATIVE COOLING SYSTEM SHALL BE CONDUCTED THROUGH DUCT SYSTEMS CONSTRUCTED OF METAL AS SET FORTH IN THE SMACNA HVAC DUCT CONSTRUCTION STANDARD - METAL AND FLEXIBLE. FACTORY MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL COMPLY WITH THE 2022 CMC REFERENCED STANDARDS CHAPTER 17.
• JOINTS AND SEAMS FOR DUCT SYSTEMS SHALL COMPLY WITH SMACNA HVAC DUCT CONSTRUCTION STANDARD METAL AND FLEXIBLE.
• JOINTS OF DUCTS SYSTEMS SHALL BE MADE SUBSTANTIALLY AIRTIGHT BY MEANS OF TAPES, MASTICS, GASKETING, OR OTHER CRIMP JOINTS.
• FOR ROUND DUCTS SHALL HAVE A CONTACT LAP OF NOT LESS THAN 1-1/2" AND SHALL BE MECHANICALLY FASTENED BY MEANS OF NOT LESS THAN 3 SHEET-METALS SCREWS EQUALLY SPACED AROUND THE JOINT, OR AN EQUIVALENT FASTENING METHOD.
• DUCTS SHALL BE SUPPORTED AT EACH CHANGE OF DIRECTION AND IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARD -METAL AND FLEXIBLE.
- DUCTS AND PLENUMS SHALL COMPLY WITH SECTION 120.4 OF THE 2022 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS.
• PORTIONS OF SUPPLY-AIR AND RETURN-AIR DUCTS CONVEYING HEATED OR COOLED AIR LOCATED IN ONE OR MORE OF THE FOLLOWING SPACES SHALL BE INSULATED TO A MINIMUM INSTALLED LEVEL OF R-8
a. OUTDOORS; OR
b. IN A SPACE BETWEEN THE ROOF AND AN INSULATED CEILING; OR
c. IN A SPACE DIRECTLY UNDER A ROOF WITH FIXED VENTS OR OPENINGS TO THE OUTSIDE OR UNCONDITIONED SPACES; OR
d. IN AN UNCONDITIONED CRAWLSPACE; OR
e. IN OTHER UNCONDITIONED SPACES.
• PORTIONS OF SUPPLY-AIR DUCTS THAT ARE NOT IN ONE OF THESE SPACES, INCLUDING DUCTS BURIED IN CONCRETE SLAB, SHALL BE INSULATED TO A MINIMUM INSTALLED LEVEL OF R-4.2 (OR ANY HIGHER LEVEL REQUIRED BY CMC SECTION 605.1) OR BE ENCLOSED IN DIRECTLY CONDITIONED SPACE.
• ALL FACTORY-FABRICATED DUCT SYSTEMS SHALL COMPLY WITH UL 181 FOR DUCTS AND CLOSURE SYSTEMS, INCLUDING COLLARS, CONNECTIONS, AND SPICES, AND BE LABELED AS COMPLYING WITH UL 181.
• FACTORY-MADE RIGID FIBERGLASS AND FLEXIBLE DUCTS FOR FIELD-FABRICATED DUCT SYSTEMS SHALL COMPLY WITH UL 181.

COMMISSIONING AND AIR BALANCING REQUIREMENTS

- CONTRACTOR IS RESPONSIBLE FOR COMPLETE COMMISSIONING OF THE HVAC SYSTEM AND PROVIDE FINAL AIR BALANCING REPORT IN COMPLIANCE WITH THE DESIGN INTENT.
- CONTRACTOR SHALL ENGAGE ASBC, TABB OR NEBB CERTIFIED AIR BALANCER TO BALANCE THE HVAC SYSTEM IN ENTIRETY AND PROVIDE A CERTIFIED FINAL AIR BALANCE FOR MECHANICAL ENGINEER OF RECORD'S REVIEW AND COMMENT.
- CONTRACTOR SHALL PROVIDE ALL WARRANTY PAPERS TO THE CLIENT AT THE COMPLETION OF THE JOB.
- CONTRACTOR SHALL PROVIDE MINIMUM 1 HR OF TRAINING ON SYSTEM MAINTENANCE AND CONTROLS TO THE CLIENT BEFORE HANDING OVER THE SYSTEM.
- CONTRACTOR SHALL PROVIDE FINAL AS-BUILT DRAWINGS OF THE SYSTEM WITH ANY CHANGES MADE IN THE FIELD DURING INSTALLATION.

SHOP DRAWINGS REQUIREMENTS

- CONTRACTOR SHALL PROVIDE COMPLETE SHOP DRAWINGS FOR ALL HVAC BEFORE INSTALLATION.
- ALL DUCTING AND PIPING LOCATIONS AND LAYOUTS SHALL BE FIELD VERIFIED TO CONFIRM THEIR INSTALLATION BEFORE CONSTRUCTION STARTS.
- THIS DRAWINGS ARE SCHEMATIC ONLY AND SHALL NOT BE USED FOR THE PURPOSE OF THE SHOP DRAWINGS OR RECORD DRAWINGS.
- IT IS CONTRACTOR'S RESPONSIBILITY TO GENERATE CLEAN AND CLEAR SHOP DRAWINGS AS WELL AS RECORD DRAWINGS AFTER THE INSTALLATION IS COMPLETE.
- ANY DESIGN CHANGE SHALL BE COORDINATED WITH THE ENGINEER OF RECORD AND SHALL BE APPROVED BY THE OWNER BEFORE CONSTRUCTION.

MANDATORY NONRESIDENTIAL CALGREEN REQUIREMENTS

SECTION 5.410 – BUILDING MAINTENANCE AND OPERATION

5.410.4 TESTING AND ADJUSTING. TESTING AND ADJUSTING OF SYSTEMS SHALL BE REQUIRED FOR BUILDINGS LESS THAN 10,000 SQUARE FEET. APPLIES TO NEW SYSTEMS SERVING ADDITIONS OR ALTERATIONS.

5.410.4.2 SYSTEMS. DEVELOP A WRITTEN PLAN OF PROCEDURES FOR TESTING AND ADJUSTING SYSTEMS. SYSTEMS TO BE INCLUDED FOR TESTING AND ADJUSTING SHALL INCLUDE, AS APPLICABLE TO THE PROJECT, THE SYSTEMS LISTED IN SECTION 5.410.4.2.

5.410.4.3 PROCEDURES. PERFORM TESTING AND ADJUSTING PROCEDURES IN ACCORDANCE WITH APPLICABLE STANDARDS ON EACH SYSTEM AS DETERMINED BY THE ENFORCING AGENCY.

5.410.4.3.1 HVAC BALANCING. BEFORE A NEW SPACE-CONDITIONING SYSTEM SERVING A BUILDING OR SPACE IS OPERATED FOR NORMAL USE, BALANCE IN ACCORDANCE WITH THE PROCEDURES DEFINED BY NATIONAL STANDARDS LISTED IN SECTION 5.410.4.3.1 OR AS APPROVED BY THE ENFORCING AGENCY.

5.410.4.4 REPORTING. AFTER COMPLETION OF TESTING, ADJUSTING AND BALANCING, PROVIDE A FINAL REPORT OF TESTING SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PERFORMING THESE SERVICES.

5.410.4.5 OPERATION AND MAINTENANCE (O & M) MANUAL. PROVIDE THE BUILDING OWNER WITH DETAILED OPERATING AND MAINTENANCE INSTRUCTIONS AND COPIES OF GUARANTEES/WARRANTIES FOR EACH SYSTEM PRIOR TO FINAL INSPECTION.

5.410.4.5.1 INSPECTIONS AND REPORTS. INCLUDE A COPY OF ALL INSPECTION VERIFICATIONS AND REPORTS REQUIRED BY THE ENFORCING AGENCY.

SECTION 5.504 – POLLUTANT CONTROL

5.504.1 TEMPORARY VENTILATION. IF THE HVAC SYSTEM IS USED DURING CONSTRUCTION, USE RETURN AIR FILTERS WITH A MERV OF 13, BASED ON ASHRAE 52.2-1999, OR AN AVERAGE EFFICIENCY OF 30% BASED ON ASHRAE 52.1-1992. REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY.

5.504.3 COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION. AT THE TIME OF ROUGH INSTALLATION AND DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST, WATER AND DEBRIS WHICH MAY ENTER THE SYSTEM.

5.504.5.3 FILTERS. IN MECHANICALLY VENTILATED BUILDINGS, PROVIDE REGULARLY OCCUPIED AREAS OF THE BUILDING WITH AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR THAT PROVIDES AT LEAST A MERV OF 13. MERV 13 FILTERS SHALL BE INSTALLED PRIOR TO OCCUPANCY, AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF THE SAME VALUE SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL.

SECTION 5.506 INDOOR AIR QUALITY

5.506.1 OUTSIDE AIR DELIVERY. FOR MECHANICALLY OR NATURALLY VENTILATED SPACES IN BUILDINGS, MEET THE MINIMUM REQUIREMENTS OF SECTION 120.1 OF THE CALIFORNIA ENERGY CODE AND CHAPTER 4 OF CCR, TITLE 8 OR THE APPLICABLE LOCAL CODE, WHICHEVER IS MORE STRINGENT.

5.506.2 CARBON DIOXIDE (CO2) MONITORING. FOR BUILDINGS OR ADDITIONS EQUIPPED WITH DEMAND CONTROL VENTILATION, CO2 SENSORS AND VENTILATION CONTROLS SHALL BE SPECIFIED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA ENERGY CODE, CCR, SECTION 120(C)(4).

SECTION 5.508 – OUTDOOR AIR QUALITY

5.508.1 OZONE DEPLETION AND GLOBAL WARMING REDUCTIONS. INSTALLATIONS OF HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT SHALL COMPLY WITH SECTIONS 5.508.1.1 AND 5.508.1.2.

5.508.1.1 FCPS. INSTALL HVAC AND REFRIGERATION EQUIPMENT THAT DOES NOT CONTAIN FCPS.

5.508.1.2 HALONS. INSTALL FIRE SUPPRESSION EQUIPMENT THAT DOES NOT CONTAIN HALONS.

SHEET INDEX

SHEET NO.	SHEET NAME
M0.1	MECHANICAL GENERAL NOTES & LEGEND
M0.2	MECHANICAL SCHEDULE & DETAILS
M0.3	T-24 COMPLIANCE FORMS
M0.4	MECHANICAL DEMOLITION FLOOR PLAN
M2.1	MECHANICAL DEMOLITION FLOOR PLAN
M3.1	MECHANICAL PROPOSED FLOOR PLAN
M3.2	MECHANICAL PROPOSED ENLARGED FLOOR PLANS
M3.3	MECHANICAL PROPOSED ROOF PLAN

MECHANICAL LEGEND

SINGLE LINE	DOUBLE LINE		
		RECTANGULAR DUCT	
		ROUND DUCT	
		LINED DUCT	
		RECTANGULAR TO RECTANGULAR	
		ROUND TO RECTANGULAR	
		ROUND TO ROUND	
		VANED ELBOW	
		RADIUS ELBOW	
		SUPPLY DUCT TURNING UP AND DOWN	
		RETURN DUCT TURNING UP AND DOWN	
		EXHAUST DUCT TURNING UP AND DOWN	
		DUCT CAP	
		45 DEGREE TAP	
		CONICAL TAP	
		FLEXIBLE DUCT	
		FLEXIBLE CONNECTION	
		MANUAL VOLUME DAMPER	
		DUCT SMOKE DETECTOR	
		MOTORIZED DAMPER	
		BACKDRAFT DAMPER	
		FIRE DAMPER EXISTING AND NEW	XXX - CFM X - TYPE OF DIFFUSER (S-SUPPLY, R-RETURN, E-EXHAUST)
		COMBINATION FIRE/SMOKE DAMPER EXISTING AND NEW	
		DUCT CONTINUATION	
		PIPE CONTINUATION	
		EXISTING HVAC	
		HVAC TO BE DEMOLISHED	

APPLICABLE CODES

BUILDING OCCUPANCY CLASSIFICATION:
THE CONSTRUCTION OF THIS PROJECT SHALL CONFORM TO THE REQUIREMENTS OF:

- 2022 CALIFORNIA BUILDING CODE (CBC)
- 2022 CALIFORNIA ELECTRICAL CODE (CEC)
- 2022 CALIFORNIA MECHANICAL CODE (CMC)
- 2022 CALIFORNIA PLUMBING CODE (CPC)
- 2022 CALIFORNIA ENERGY CODE (CEC)

ABBREVIATIONS

A	AIR	GH	CHILLER	EA	EXHAUST AIR	HP	HORSEPOWER	NC	NORMALLY CLOSED,	SP	OPERATION
ABV	ABOVE	CHWR	CHILLED WATER	EAT	ENTERING AIR	HUM	HUMIDIFIER	NIC	NOISE CRITERIA	SP	STATIC PRESSURE
AC	AIR CONDITIONING	CHWR	RETURN	EFF	EXHAUST FAN	HUM	HEATING HOT	NIC	NOT IN CONTRACT	SQ	FT SQUARE FOOT
AD	ACCESS DOOR, AIR SUPPLY	CHWR	WATER RETURN	EFF	EFFICIENCY	HUM	WATER RETURN	NPA	NATIONAL FIRE PROTECTION AGENCY	STD	STANDARD
AD	DRYER	CLNG	CEILING	EJ	EXPANSION JOINT	HWS	HEATING HOT	NTS	NOT TO SCALE	TSP	TEMPERATURE
ADA	AMERICANS WITH DISABILITIES ACT	CO	CARBON MONOXIDE	E	EXISTING	WATER SUPPLY	HEAT EXCHANGER	ND	MANUAL VOLUME DAMPER	TYP	TEMPERATURE
AFF	FLOOR	CO2	CARBON DIOXIDE	ESP	EXTERNAL STATIC PRESSURE	HX	HEAT EXCHANGER	MA	MANUAL VOLUME DAMPER	TYP	TOTAL STATIC PRESSURE
AHU	AIR HANDLING UNIT	COAG	COMPUTER ROOM	ET	EXPANSION TANK	HZ	HERTZ (CYCLES PER SECOND)	OA	OUTSIDE AIR	UC	UNDERCUT DOOR
AI	ANALOG INPUT	CT	COOLING TOWER	ET	ENTERING WET BULB TEMP	ID	INSIDE DIAMETER	OUT	OUTSIDE AIR	UH	UNIT HEATER
AO	ANALOG OUTPUT	CW	COLD WATER	EW	ENTERING WATER TEMP	IN	INCH, INCHES	%	PERCENT	V	VOLTS, VENT
AP	ACCESS PANEL	CWR	CONDENSER WATER RETURN	F	TEMPERATURE	D	DIAMETER	PD	PRESSURE DROP	VAV	VARIABLE AIR VOLUME
ARCH	ARCHITECTURAL	CWS	CONDENSER WATER SUPPLY	F	FAHRENHEIT	IN	INCH, INCHES	PLUG	PLUMBING	VEL	VELOCITY
ASHP	AIR SOURCE HEAT PUMP	Cx	COMMISSIONING	FSD	COMBINATION DAMPER	ISOL	ISOLATION	PSV	PRESSURE SWITCH	VDF	VARIABLE VOLUME DAMPER
BAS	BUILDING AUTOMATION SYS	CxA	COMMISSIONING AUTHORITY	FSD	FIRE/SMOKE DAMPER	L	LENGTH, LONG	PRV	PRESSURE REDUCING VALVE	VFD	VARIABLE FREQUENCY DRIVE
BDD	BACKDRAFT DAMPER	D	DEMOLISH, REMOVE	FD	FLOOR DRAIN, FIRE DAMPER	LAT	LEAVING AIR TEMPERATURE	PSI	POUNDS PER SQUARE INCH	VRF	VARIABLE REF. FLOW
BDF	BACKFLOW PREVENTER	DAT	DISCHARGE AIR TEMPERATURE	FLR	FLOOR	FLR	FLOOR	RA	RETURN AIR	W	WIDE
BLW	BELOW	DB	DRY BULB TEMPERATURE, DEGREES	FLA	FULL LOAD AMPS	LRA	LOAD RATED AMPS	REF	REFRIGERANT	W	WIDE
BLDG	BUILDING	DEB	DEBRIS	FLEX	FLEXIBLE	LWT	LEAVING WATER TEMPERATURE	RH	RELATIVE HUMIDITY	W	WIDE
BMS	BUILDING MANAGEMENT SYS	DEG	DEGREES	FPM	FEET PER MINUTE	MWH	THOUSAND BRITISH THERMAL UNITS PER HOUR	RFM	RATED LOAD AMPS	W	WITHOUT
BOD	BOTTOM OF DUCT, DEGREES	DEH	DEHUMIDIFIER	FT	FEET, FEET	MIN	MINUTE	SA	SATURATED	WB	WET BULB TEMPERATURE
BTU	BRITISH THERMAL UNIT	DI	DIGITAL INPUT	FT	FEET OF HEAD	MWH	THOUSAND BRITISH THERMAL UNITS PER HOUR	SAT	SATURATED	WHP	WATER HEAT PUMP
BTU	BRITISH THERMAL UNIT	DI	DIGITAL INPUT	FT	FEET OF HEAD	MWH	THOUSAND BRITISH THERMAL UNITS PER HOUR	SAT	SATURATED	WHP	WATER HEAT PUMP
BTU	BRITISH THERMAL UNIT	DI	DIGITAL INPUT	FT	FEET OF HEAD	MWH	THOUSAND BRITISH THERMAL UNITS PER HOUR	SAT	SATURATED	WHP	WATER HEAT PUMP
BTU	BRITISH THERMAL UNIT	DI	DIGITAL INPUT	FT	FEET OF HEAD	MWH	THOUSAND BRITISH THERMAL UNITS PER HOUR	SAT	SATURATED	WHP	WATER HEAT PUMP
BTU	BRITISH THERMAL UNIT	DI	DIGITAL INPUT	FT	FEET OF HEAD	MWH	THOUSAND BRITISH THERMAL UNITS PER HOUR	SAT	SATURATED	WHP	WATER HEAT PUMP
BTU	BRITISH THERMAL UNIT	DI	DIGITAL INPUT	FT	FEET OF HEAD	MWH	THOUSAND BRITISH THERMAL UNITS PER HOUR	SAT	SATURATED	WHP	WATER HEAT PUMP
BTU	BRITISH THERMAL UNIT	DI	DIGITAL INPUT	FT	FEET OF HEAD	MWH	THOUSAND BRITISH THERMAL UNITS PER HOUR	SAT	SATURATED	WHP	WATER HEAT PUMP
BTU	BRITISH THERMAL UNIT	DI	DIGITAL INPUT	FT	FEET OF HEAD	MWH	THOUSAND BRITISH THERMAL UNITS PER HOUR	SAT	SATURATED	WHP	WATER HEAT PUMP
BTU	BRITISH THERMAL UNIT	DI	DIGITAL INPUT	FT	FEET OF HEAD	MWH	THOUSAND BRITISH THERMAL UNITS PER HOUR	SAT	SATURATED	WHP	WATER HEAT PUMP
BTU	BRITISH THERMAL UNIT	DI	DIGITAL INPUT	FT	FEET OF HEAD	MWH	THOUSAND BRITISH THERMAL UNITS PER HOUR	SAT	SATURATED	WHP	WATER HEAT PUMP
BTU	BRITISH THERMAL UNIT	DI	DIGITAL INPUT	FT	FEET OF HEAD	MWH	THOUSAND BRITISH THERMAL UNITS PER HOUR	SAT	SATURATED	WHP	WATER HEAT PUMP
BTU	BRITISH THERMAL UNIT	DI	DIGITAL INPUT	FT	FEET OF HEAD	MWH	THOUSAND BRITISH THERMAL UNITS PER HOUR	SAT	SATURATED	WHP	WATER HEAT PUMP
BTU	BRITISH THERMAL UNIT	DI	DIGITAL INPUT	FT	FEET OF HEAD	MWH	THOUSAND BRITISH THERMAL UNITS PER HOUR	SAT	SATURATED	WHP	WATER HEAT PUMP
BTU	BRITISH THERMAL UNIT	DI	DIGITAL INPUT	FT	FEET OF HEAD	MWH	THOUSAND BRITISH THERMAL UNITS PER HOUR	SAT	SATURATED	WHP	WATER HEAT PUMP
BTU	BRITISH THERMAL UNIT	DI	DIGITAL INPUT	FT	FEET OF HEAD	MWH	THOUSAND BRITISH THERMAL UNITS PER HOUR	SAT	SATURATED	WHP	WATER HEAT PUMP
BTU	BRITISH THERMAL UNIT	DI	DIGITAL INPUT	FT	FEET OF HEAD	MWH	THOUSAND BRITISH THERMAL UNITS PER HOUR	SAT	SATURATED	WHP	WATER HEAT PUMP
BTU	BRITISH THERMAL UNIT	DI	DIGITAL INPUT	FT	FEET OF HEAD	MWH	THOUSAND BRITISH THERMAL UNITS PER HOUR	SAT	SATURATED	WHP	WATER HEAT PUMP
BTU	BRITISH THERMAL UNIT	DI	DIGITAL INPUT	FT	FEET OF HEAD	MWH	THOUSAND BRITISH THERMAL UNITS PER HOUR	SAT	SATURATED	WHP	WATER HEAT PUMP
BTU	BRITISH THERMAL UNIT	DI	DIGITAL INPUT	FT	FEET OF HEAD	MWH	THOUSAND BRITISH THERMAL UNITS PER HOUR	SAT	SATURATED	WHP	WATER HEAT PUMP</

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 CERTIFICATE OF COMPLIANCE
 This document is used to demonstrate compliance for mechanical systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, or 141.0(b)(2) for alterations.
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A. GENERAL INFORMATION

01 Project Location (city)	FULLERTON	04 Total Conditioned Floor Area	2856
02 Climate Zone	8	05 Total Unconditioned Floor Area	7353
03 Occupancy Types Within Project	06 # of Stories (Excludes Above Grade)		1

• Symbols: • Office • Support Areas

B. PROJECT SCOPE
 This table includes mechanical systems or components that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, 170.2(b) or 141.0(b)(2) and 180.2(b)(2) for alterations.

01	02	03
Air System(s)	Water System Components	Dry System Components
<input checked="" type="checkbox"/> Heating Air System	<input type="checkbox"/> Wet System	<input type="checkbox"/> Air Economizer
<input type="checkbox"/> Cooling Air System	<input type="checkbox"/> Pumps	<input type="checkbox"/> Electric Resistance Heat
<input type="checkbox"/> Mechanical Controls	<input type="checkbox"/> System Piping	<input type="checkbox"/> Fan Systems
<input checked="" type="checkbox"/> Mechanical Controls (existing to remain, altered or new)	<input type="checkbox"/> Cooling Towers	<input checked="" type="checkbox"/> Ductwork (existing to remain, altered or new)
	<input type="checkbox"/> Chillers	<input type="checkbox"/> Ventilation
	<input type="checkbox"/> Boilers	<input type="checkbox"/> Zonal System/ Terminal Boxes

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C. COMPLIANCE RESULTS
 Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, or the table indicated as not compliant for guidance.

01	02	03	04	05	06	07	08	09
System Summary	Pumps	Fan/ Economizer	System Controls	Ventilation	Terminal Box	Distribution	Cooling Towers	Compliance Results
110.1, 110.2, 110.4, 140.4, 170.2(c)	AND 140.4(a), 170.2(a)(4)	AND 140.4(c), 140.4(d), 170.2(c)	AND 120.1, 120.2, 140.4(f), 170.2(c)	AND 120.1, 140.2	AND 140.4(f), 170.2(c)(4)	AND 120.1, 140.4(f), 160.2, 160.3	AND 110.2(a)(2)	Compliance Results
(See Table F) (See Table G) (See Table H) (See Table I) (See Table J) (See Table K) (See Table L) (See Table M)								COMPLIES
Yes	AND	Yes	AND	Yes	AND	Yes	AND	COMPLIES

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

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

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)
 Space Conditioning System Information

01	02	03	04	05	06
System Name	Quantity	System Serving	System Status	Space Type	Utilizing Recovered Heat
UNIT HEATER	4	Single zone	Alteration		<input type="checkbox"/>

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F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)
 Dry System Equipment Sizing (includes air conditioners, condensers, heat pumps, VRF, furnaces and unit heaters and DOAS systems)

01	02	03	04	05	06	07	08	09	10	11
Name or Item Tag	Equipment Category per Tables 110.2 and 170.2(a)(2)	Equipment Type per Tables 110.2 and 170.2(a)	Smallest Size Available ¹ (140.4) and 170.2(c)(1)	Heating Output ^{1,2} (Per Design (kBtu/h))	Rated Heating Output (kBtu/h)	Supp. Heating Output (kBtu/h)	Sensible Per Design (kBtu/h)	Rated Cooling Output ^{2,3} (kBtu/h)	Total Heating Load (kBtu/h)	Total Sensible Cooling Load (kBtu/h)
UNIT HEATER	Furnace/ Unit Heater	Warm-air unit heaters, gas-fired	Yes	62,250	62,250	0		249000		

G. PUMPS
 This section does not apply to this project.

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H. FAN SYSTEMS & AIR ECONOMIZERS
 This table is used to demonstrate compliance with prescriptive requirements found in 140.4(c), 140.4(d), 140.4(m), 170.2(c)(3), and 170.2(c)(4) for fan systems. Fan systems serving process loads are exempt from these requirements and do not need to be included in Table H.

System Name	UH-1	Quantity	4	Fan System Status	Alteration	System zoning	all other systems	Not Serving Dwellings Units	Fan System Airflow (cfm)	961	Site Elevation	155	Economizer	NA-Not required per 140.4(b)(3) cooling
01	02	03	04	05	06	07	08	09	10	11				
Fan Name or Item Tag	Fan Type	City	Component	Airflow through Component (%)	Water Gauge (wg)	Allowance (watt/cfm)	Fan Allowance (watt/cfm)	Design Electrical Input Power Method	Fan Motor Input Power (kW)	0.05				
Supply Fan Brake Allowance (watt/cfm)			Ehaust/Return/Transfer Fan Brake Allowance(watt/cfm)			Fan System Allowance (kW) ¹		Fan System Electrical Input Power (kW)	0.2					

I. EXHAUST AIR HEAT RECOVERY 140.4(a), 170.2(c)(4)
 This section does not apply to this project.

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H. EXHAUST AIR HEAT RECOVERY 140.4(a), 170.2(c)(4)

Fan System Name	Qty	Hours of Operation per Year	Design Supply Airflow Rate	Outdoor Airflow	% Outdoor Air at Full Design Airflow	Exemptions to Exhaust Air Heat Recovery Requirement per 140.4(a) & 170.2(c)(4)	Exhaust Air Heat Recovery 140.4(a) & 170.2(c)(4)	Type Of Heat Recovery Rating	Required Recovery Ratio	Energy Recovery Bypass
UH-1	4	< 8,000	961	0		NA-Not required per 140.4(a) & 170.2(c)(4)	Not Required			

Fan Energy Index (FEI)

01	02	03
Name or Item Tag	FEI Exception	FEI
UH-1	None Applies	1

I. SYSTEM CONTROLS
 This table is used to demonstrate compliance with mandatory controls in 110.2 and 120.2 and prescriptive controls in 140.4(f) and (g), 170.2(c)(4) or requirements in 141.0(a)(2) for altered space conditioning systems.

01	02	03	04	05	06	07	08	09	10
System Name	System Zoning	Conditions if Floor Area Being Served	Thermostats (110.2(b) & (c))	Shut-Off Controls (120.2(a), 140.3(a)(2) or 141.0(b)(2) & 180.2(b)(2))	Isolation Zone Controls (120.2(a) & 160.3(a)(2))	Demand Response (140.4(a) & 170.2(c)(4))	Supply Air Temp. Reset (140.4(f) & 170.2(c)(4))	Window Interlocks per 140.4(f) & 170.2(c)(4)	Direct Digital Control (DDC) per 120.2
UNIT HEATER	Single zone	NA	4	4	NA	EMCS	NA	Alteration	NA

FOOTNOTES: Gravity gas wall heaters, gravity floor heaters, gravity room heaters, non-central electric heaters, fireplaces or decorative gas appliances, wood stoves are not required to have setback thermostats.

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J. VENTILATION AND INDOOR AIR QUALITY
 This table is used to demonstrate compliance with mandatory ventilation requirements in 120.1, 120.2(b)(3) 140.4(a) and 140.4(g) for all nonresidential and hotel/motel and 120.1(a)(1) and 120.2(b)(3), 120.2(a)(4), 170.2(a)(4) for high-rise residential occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflow may be shown on the plans or the calculations can be presented in a spreadsheet.

01	02	03	04	05	06	07	08	09	10
System Name	(E) RTU-1	System Design DA CFM Airflow ¹	350	System Design Transfer Air CFM	0	Air Filtration per 120.1(c)(1) 141.0(b)(2) and 160.2(c)(2) ¹	Provided		
Space Name or Item Tag	Occupancy Type ²	Conditioned Floor Area (ft ²)	# of people ³	Required Min CFM	Required Min CFM	Provided per Design CFM	DCV	NA: Not required per 120.1(d)(3), 120.1(d)(5), and 120.1(d)(9) 160.2(c)(5) 160.2(c)(5) 160.2(c)(5)	DCV or Sensor Controls per 120.1(d)(3), 120.1(d)(5), and 120.1(d)(9) 160.2(c)(5) 160.2(c)(5) 160.2(c)(5)
RESTROOM	toilet, private	52	1	7.8	50	100	DCV	NA: Not required per 120.1(d)(3)	DCV or Sensor NA: Not required space type
17	Total System Required Min DA CFM			243.8	18	Ventilation for this System Complies?	Yes		

Nonresidential and Hotel/ Motel Multifamily Common Use Ventilation Systems

01	02	03	04	05	06	07	08	09	10
System Name	(E) RTU-1	System Design DA CFM Airflow ¹	350	System Design Transfer Air CFM	0	Air Filtration per 120.1(c)(1) 141.0(b)(2) and 160.2(c)(2) ¹	Provided		
Space Name or Item Tag	Occupancy Type ²	Conditioned Floor Area (ft ²)	# of people ³	Required Min CFM	Required Min CFM	Provided per Design CFM	DCV	NA: Not required per 120.1(d)(3), 120.1(d)(5), and 120.1(d)(9) 160.2(c)(5) 160.2(c)(5) 160.2(c)(5)	DCV or Sensor Controls per 120.1(d)(3), 120.1(d)(5), and 120.1(d)(9) 160.2(c)(5) 160.2(c)(5) 160.2(c)(5)
RESTROOM	toilet, private	52	1	7.8	50	100	DCV	NA: Not required per 120.1(d)(3)	DCV or Sensor NA: Not required space type
17	Total System Required Min DA CFM			243.8	18	Ventilation for this System Complies?	Yes		

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J. VENTILATION AND INDOOR AIR QUALITY

01	02	03	04	05	06	07	08	09	10
System Name	(E) RTU-2	System Design DA CFM Airflow ¹	150	System Design Transfer Air CFM	0	Air Filtration per 120.1(c)(1) 141.0(b)(2) and 160.2(c)(2) ¹	Provided		
Space Name or Item Tag	Occupancy Type ²	Conditioned Floor Area (ft ²)	# of people ³	Required Min CFM	Required Min CFM	Provided per Design CFM	DCV	NA: Not required per 120.1(d)(3), 120.1(d)(5), and 120.1(d)(9) 160.2(c)(5) 160.2(c)(5) 160.2(c)(5)	DCV or Sensor Controls per 120.1(d)(3), 120.1(d)(5), and 120.1(d)(9) 160.2(c)(5) 160.2(c)(5) 160.2(c)(5)
OFFICE	Office space	315		47.25			DCV	NA: Not required per 120.1(d)(3)	DCV or Sensor NA: Not required space type
17	Total System Required Min DA CFM			88.5	18	Ventilation for this System Complies?	Yes		

CONFERENCE / MEETING ROOM

01	02	03	04	05	06	07	08	09	10
System Name	(E) RTU-3	System Design DA CFM Airflow ¹	150	System Design Transfer Air CFM	0	Air Filtration per 120.1(c)(1) 141.0(b)(2) and 160.2(c)(2) ¹	Provided		
Space Name or Item Tag	Occupancy Type ²	Conditioned Floor Area (ft ²)	# of people ³	Required Min CFM	Required Min CFM	Provided per Design CFM	DCV	NA: Not required per 120.1(d)(3), 120.1(d)(5), and 120.1(d)(9) 160.2(c)(5) 160.2(c)(5) 160.2(c)(5)	DCV or Sensor Controls per 120.1(d)(3), 120.1(d)(5), and 120.1(d)(9) 160.2(c)(5) 160.2(c)(5) 160.2(c)(5)
CONFERENCE / MEETING ROOM	All others	350		52.5			DCV	NA: Not required per 120.1(d)(3)	DCV or Sensor NA: Not required space type
17	Total System Required Min DA CFM			52.5	18	Ventilation for this System Complies?	Yes		

FOOTNOTES: System CFM should include both mechanical and natural ventilation for the zone/system

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J. VENTILATION AND INDOOR AIR QUALITY

01	02	03	04	05	06	07	08	09	10
System Name	(E) RTU-4	System Design DA CFM Airflow ¹	120	System Design Transfer Air CFM	0	Air Filtration per 120.1(c)(1) 141.0(b)(2) and 160.2(c)(2) ¹	Provided		
Space Name or Item Tag	Occupancy Type ²	Conditioned Floor Area (ft ²)	# of people ³	Required Min CFM	Required Min CFM	Provided per Design CFM	DCV	NA: Not required per 120.1(d)(3), 120.1(d)(5), and 120.1(d)(9) 160.2(c)(5) 160.2(c)(5) 160.2(c)(5)	DCV or Sensor Controls per 120.1(d)(3), 120.1(d)(5), and 120.1(d)(9) 160.2(c)(5) 160.2(c)(5) 160.2(c)(5)
STAFF AREA	Kitchenettes	180		27	54	150	DCV	NA: Not required per 120.1(d)(3)	DCV or Sensor NA: Not required space type
RESTROOM	toilet, private	72	2	10.8	100	200	DCV	NA: Not required per 120.1(d)(3)	DCV or Sensor NA: Not required space type
STORAGE	Janitor closet	52		7.8	52	100	DCV	NA: Not required per 120.1(d)(3)	DCV or Sensor NA: Not required space type
17	Total System Required Min DA CFM			45.6	18	Ventilation for this System Complies?	Yes		

CONFERENCE / MEETING ROOM

01	02	03	04	05	06	07	08	09	10
System Name	(E) RTU-4	System Design DA CFM Airflow ¹	120	System Design Transfer Air CFM	0	Air Filtration per 120.1(c)(1) 141.0(b)(2) and 160.2(c)(2) ¹	Provided		
Space Name or Item Tag	Occupancy Type ²	Conditioned Floor Area (ft ²)	# of people ³	Required Min CFM	Required Min CFM	Provided per Design CFM	DCV	NA: Not required per 120.1(d)(3), 120.1(d)(5), and 120.1(d)(9) 160.2(c)(5) 160.2(c)(5) 160.2(c)(5)	DCV or Sensor Controls per 120.1(d)(3), 120.1(d)(5), and 120.1(d)(9) 160.2(c)(5) 160.2(c)(5) 160.2(c)(5)
CONFERENCE / MEETING ROOM	All others	350		52.5			DCV	NA: Not required per 120.1(d)(3)	DCV or Sensor NA: Not required space type
17	Total System Required Min DA CFM			52.5	18	Ventilation for this System Complies?	Yes		

FOOTNOTES: System CFM should include both mechanical and natural ventilation for the zone/system

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J. VENTILATION AND INDOOR AIR QUALITY
 Air filtration requirements apply to the following three system types per 120.1(c)(1), space conditioning systems utilizing ducts to supply air to occupiable space, supply-only ventilation systems providing outside air to occupiable space, supply side of balanced ventilation systems including heat recovery and energy recovery ventilation systems providing outside air to occupiable space.
 1 Uniform Mechanical Code may have more stringent ventilation requirements; the most stringent code requirement takes precedence.
 2 See Standards Tables 120.1-4 and 120.2-4.
 3 For feature halls with fixed seating, the expected number of occupants shall be determined in accordance with the California Building Code.
 4 120.2(a)(3) requires system serving rooms that are required by 130.1(c) to have lighting occupancy sensing controls that also have occupancy sensing zone controls for ventilation. Examples of spaces which require lighting occupancy sensors include offices 2307F or smaller, multipurpose rooms less than 1,000 ft², classrooms, conference rooms, restrooms, aisles and open areas in warehouses, library book stack areas, corridors, stairwells, parking garages, and loading and unloading zones, unless exempted by 130.1(c).

K. TERMINAL BOX CONTROLS
 This section does not apply to this project.

L. DISTRIBUTION (DUCTWORK AND PIPING)
 This table is used to show compliance with mandatory pipe insulation requirements found in 120.3 and mandatory requirements found in 120.4(g) for duct sealing.

01	02	03
Duct Leakage Testing	Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service. Insulation covering chilled water piping and refrigerant suction piping located outside the conditioned space shall have a Class I or Class II vapor retarder. All penetrations and joints of which shall be sealed.	
The answers to the questions below apply to the following duct systems:	(E) RTU-1	NA/ Common Use: Duct leakage testing shall not exceed 6% per NAV. 5.3 required for these systems? No

Generated Data/Time: Documentation Software: Energy Code Ace
 Report Version: 2022.0.000 Compliance ID: 396181-0426-007
 Scheme Version: rev 20220301 Report Generated: 2026-04-13 01:49:18

STATE OF CALIFORNIA
Mechanical Systems
 CERTIFICATE OF COMPLIANCE
 Project Name: INDEPENDENCE PARK GYM RENOVATION
 Report Page: (Page 10 of 13)
 Project Address: 801 W. VALENCIA DRIVE
 Date Prepared: 2026-04-13T04:49:10-04:00

CALIFORNIA ENERGY COMMISSION
 NREC-MCH-1
 Page 10 of 13

L. DISTRIBUTION (DUCTWORK AND PIPING)
 Dwelling Units: Total duct leakage of duct system shall not exceed 12% (or duct system to outside shall not exceed 6% per RAJ. 3.4 required for systems)
 Duct leakage testing per CMCS Section 603.9.2 required for these systems? Yes

11	12	13	14	15	16	17	18	19	20	21	22	23
11	No	The scope of the project includes only duct systems serving healthcare facilities.										
12	Yes	Duct system provides conditioned air to an occupiable space for a constant volume, single zone, space-conditioning system.										
13	Yes	The space conditioning system serves less than 5,000 ft ² of conditioned floor area.										

ABBREVIATIONS table with columns for symbol, description, and unit. Includes terms like AIR, ABOVE, AREA DRAIN, AMERICANS WITH DISABILITIES ACT, etc.

GENERAL NOTES section containing 17 numbered notes regarding construction standards, material specifications, and safety protocols.

GREEN BUILDING CODE REQUIREMENTS section detailing 14 numbered requirements for sustainable building practices, including energy efficiency and material selection.

PLUMBING LEGEND table mapping symbols to plumbing components such as sanitary waste, vent, domestic cold water, and floor drain.

PIPING MATERIALS table defining system types (DOMESTIC WATER PIPE, SANITARY SEWER PIPE / VENT PIPE, GAS PIPE) and their corresponding descriptions and specifications.

SHEET INDEX table listing sheet numbers (P0.1 to P4.1) and their corresponding titles, such as PLUMBING GENERAL NOTES, LEGEND & SHEET INDEX.

PIPE INSULATION THICKNESS table (CALIFORNIA ENERGY CODE 2022 TABLE 120.3-A) showing required insulation thickness in inches for various pipe diameters and operating temperatures.

APPLICABLE CODES table listing regulatory codes that govern the project, including 2022 CALIFORNIA BUILDING CODE (CBC), 2022 CALIFORNIA ELECTRICAL CODE (CEC), and 2022 CALIFORNIA PLUMBING CODE (CPC).

Table of plumbing symbols and their descriptions, including symbols for floor clean out, grade clean out, 2-way service clean out, and wall clean out.

Table of pipe insulation thickness requirements, detailing conductivity, mean rating, and required thickness for different pipe sizes and temperatures.

Table of applicable codes, listing the California Building Code, Electrical Code, Plumbing Code, Fire Code, Energy Code, and Green Building Standards Code.

Table of plumbing symbols and their descriptions, including symbols for floor drain, access panel, text, arrow multi leader, and dot multi leader.

Project title block and revision table. Includes logos for Crane Architectural Group and H2S Engineers Inc., project name 'CITY OF FULLERTON PLUMBING GENERAL NOTES, LEGEND & SHEET INDEX', and a table of revisions.

GAS PIPE SCHEDULE	
CPC TABLE 1215.2(2)	
PIPE SIZE	MAX. CFH
DEV. PIPE LENGTH: 350 FT.	
1000 BTUH = 1 CFH	
1/2"	66
3/4"	139
1"	261
1 1/2"	536
2"	803
2 1/2"	1550

EXISTING GAS DEMAND SCHEDULE					
(FOR BUILDING A)					
EQUIPMENT	QTY	X	BTUH	=	BTUH DEMAND
EXISTING UNIT HEATER	10	X	50000.0	=	500000.0
EXISTING RTU - 2&3	2	X	64000.0	=	128000.0
EXISTING RTU - 4	1	X	40000.0	=	40000.0
EXISTING RTU - 1	1	X	96000.0	=	96000.0
TOTAL GAS LOAD				=	764000.0
TOTAL SYSTEM DEMAND 764.0 CFH					
TOTAL DEVELOPED LENGTH = TOTAL MEASURE LENGTH + (TOTAL MEASURE LENGTH)(0.25 FITTINGS)					
TOTAL DEVELOPED LENGTH = 280FT + (280*0.25) = 350 FT					
USE 350' COLUMN CPC TABLE 1215.2(2) FOR LOW PRESSURE GAS					

EXISTING FIXTURE UNIT CALCULATION					
(FOR BUILDING A)					
FIXTURE	QTY	2022 CPC			
		F.U. EACH		TOTAL F.U.	
		WASTE	WATER	WASTE	WATER
WATER CLOSET (FLUSH VALVE)	7	4.0	5.0	28.0	35.0
LAVATORY	8	1.0	1.0	8.0	8.0
URINAL	2	2.0	4.0	4.0	8.0
DRINKING FOUNTAIN	2	0.5	0.5	1.0	1.0
MULTI PURPOSE SINK	3	2.0	2.0	6.0	6.0
KITCHEN SINK	1	2.0	2.0	2.0	2.0
SINK	1	-	2.0	-	2.0
3 COMP SINK	1	3.0	3.0	3.0	3.0
MOP SINK	1	3.0	3.0	3.0	3.0
2" FLOOR DRAIN/FLOOR SINK	6	2.0	0.0	12.0	0.0
TOTAL FIXTURE UNITS				67.0	68.0
EQUIVALENT WATER FLOW RATE(GPM)					32

DOMESTIC WATER PIPE SIZING CHART			
PIPE SIZES	FIXTURE UNITS		
	HOT WATER	COLD WATER FLUSH TANK	COLD WATER FLUSH VALVE
1/2"	1	1	0
3/4"	7	7	0
1"	16	16	0
1 1/4"	28	34	5
1 1/2"	46	66	20
2"	119	245	124
2 1/2"	245	455	329

5.0 PSI ALLOWABLE FRICTION LOSS / 100 FT OF PIPE AND AT 8 F.P.S (CW) 5 F.P.S. (HW)

PROPOSED GAS DEMAND SCHEDULE					
(FOR BUILDING A)					
EQUIPMENT	QTY	X	BTUH	=	BTUH DEMAND
NEW UNIT HEATER	4	X	75000.0	=	300000.0
EXISTING RTU - 2&3	2	X	64000.0	=	128000.0
EXISTING RTU - 4	1	X	40000.0	=	40000.0
EXISTING RTU - 1	1	X	96000.0	=	96000.0
TOTAL GAS LOAD				=	564000.0
TOTAL SYSTEM DEMAND 564.0 CFH					
TOTAL DEVELOPED LENGTH = TOTAL MEASURE LENGTH + (TOTAL MEASURE LENGTH)(0.25 FITTINGS)					
TOTAL DEVELOPED LENGTH = 280FT + (280*0.25) = 350 FT					
USE 350' COLUMN CPC TABLE 1215.2(2) FOR LOW PRESSURE GAS					
NOTE: PROPOSED GAS DEMAND IS LESS THAN THE EXISTING GAS DEMAND, SO EXISTING GAS METER AND MAIN GAS LINE TO REMAIN.					

PROPOSED FIXTURE UNIT CALCULATION					
(FOR BUILDING A)					
FIXTURE	QTY	2022 CPC			
		F.U. EACH		TOTAL F.U.	
		WASTE	WATER	WASTE	WATER
EXISTING WATER CLOSET (FLUSH VALVE)	6	4.0	5.0	24.0	30.0
EXISTING LAVATORY	6	1.0	1.0	6.0	6.0
EXISTING URINAL	2	2.0	4.0	4.0	8.0
DRINKING FOUNTAIN	2	0.5	0.5	1.0	1.0
EXISTING MOP SINK	1	3.0	3.0	3.0	3.0
NEW WATER CLOSET (FLUSH VALVE)	1	4.0	5.0	4.0	5.0
NEW WATER CLOSET (FLUSH TANK)	1	4.0	2.5	4.0	2.5
NEW LAVATORY	2	1.0	1.0	2.0	2.0
NEW URINAL	1	2.0	4.0	2.0	4.0
NEW KITCHEN SINK	1	2.0	2.0	2.0	2.0
NEW SINK	1	2.0	2.0	2.0	2.0
EXISTING 2" FLOOR DRAIN	4	2.0	0.0	8.0	0.0
NEW 2" FLOOR DRAIN	1	2.0	0.0	2.0	0.0
TOTAL FIXTURE UNITS				64.0	65.5
EQUIVALENT WATER FLOW RATE(GPM)					32

NOTE: THE NEW WSFV VALUES ARE LOWER THAN THE EXISTING VALUES, THE EXISTING WATER METER AND MAIN LINE SIZE SHALL REMAIN AS IT IS.

PLUMBING EQUIPMENT SCHEDULE									
ITEM	FIXTURE / EQUIPMENT	PIPING CONNECTION				FIXTURE UNITS		DESCRIPTION	
		SOIL OR WASTE	VENT	COLD WATER	HOT WATER	WASTE F.U.	COLD WATER F.U.		
EW-1	WATER CLOSET (FLUSH VALVE)	4"	2"	1 1/2"	-	4	5	EXISTING WATER CLOSET (FLUSH VALVE).	
EL-1	LAVATORY	2"	1 1/2"	3/4"	3/4"	1	1	EXISTING LAVATORY.	
EUR-1	URINAL	2"	1 1/2"	3/4"	-	2	4	EXISTING URINAL.	
EMS-1	MOP SINK	3"	1 1/2"	3/4"	3/4"	3	3	EXISTING MOP SINK.	
ED-1	FLOOR DRAIN	2"	1 1/2"	-	-	2	-	EXISTING FLOOR DRAIN.	
WC-1	WATER CLOSET (FLUSH VALVE)	4"	2"	1 1/2"	-	4	5	"TOTO" MODEL C1705EN(G) FLOOR MOUNTED ADA WATER CLOSET, ELONGATED BOWL, MATERIAL: VITREOUS CHINA, SENSOR FLUSHMETER VALVE MODEL: TOTO TETZL326SS, 1.28 GPF, INFRARED SENSOR, POLISHED CHROME FINISH, FIXTURE CONNECTION TOP SPUD, SINGLE FLUSH, EXPOSED SENSOR WATER CLOSET FLUSHMETER.	
WC-2	WATER CLOSET (FLUSH TANK)	4"	2"	3/4"	-	4	2.5	"TOTO" MODEL CS1776CFE(R)(G) FLOOR MOUNTED WATER CLOSET, ELONGATED BOWL, MATERIAL: VITREOUS CHINA, FLUSH TANK TYPE, 1.28 GPF, SINGLE FLUSH, CHROME PLATED TRIP LEVER, CLOSE COUPLED TANK WITH INSULATED LINING, PROVIDE SOFT CLOSE SEAT, ADA COMPLIANT.	
WC-3	WATER CLOSET (FLUSH VALVE)	4"	2"	1 1/2"	-	4	5	"ACORN" MODEL R2141-T-3 FLOOR MOUNTED WATER CLOSET, ELONGATED BOWL, SIPHON JET TYPE, MATERIAL: 16 GAUGE TYPE 304 STAINLESS STEEL, SATIN FINISH, FLUSHMETER VALVE: "ACORN" TIME-TROL SYSTEM OPTION -MOPV, 1.28 GPF, SOLENOID OPERATED, HARDWIRED 24 VAC POWER, VANDAL-RESISTANT PNEUMATIC PUSHBUTTON, ADJUSTABLE LOCKOUT TIMER, FIXTURE CONNECTION TOP SPUD, FLOOR OUTLET, EXPOSED FLUSH VALVE.	
UR-1	URINAL	2"	1 1/2"	3/4"	-	2	4	"KOHLER" MODEL K-5452-ET-0 (DEXTER) VITREOUS CHINA, WASHDOWN URINAL, WASHDOWN FLUSHING ACTION, INTEGRAL FLUSHING RIM, FLUSHMETER VALVE MODEL "K-76317", SENSOR FLUSHMETER, 0.125 GPF, HARDWIRED, INFRARED, POLISHED CHROME FINISH, FIXTURE CONNECTION TOP SPUD, EXPOSED SENSOR URINAL FLUSHMETER.	
L-1	LAVATORY	2"	1 1/2"	3/4"	3/4"	1	1	AMERICAN STANDARD MODEL 0355.012 LUCERNE VITREOUS CHINA WALL-MOUNTED LAVATORY, PROVIDE AMERICAN STANDARD ELECTRONIC MODEL 7028.105 DECK-MOUNTED INFRARED SENSOR FAUCET, 0.5 GPM, VANDAL-RESISTANT MULTI-LAMINAR SPRAY, POLISHED CHROME FINISH, FAUCET SHALL BE HARDWIRED WITH PROUD-HAC POWER SUPPLY (AC TRANSFORMER WITH EXTENSION CABLE), PROVIDE THERMOSTATIC MIXING VALVE AND BACK-CHECK TEE, ADA COMPLIANT.	
S-1	SINK	2"	1 1/2"	3/4"	3/4"	2	2	"AMERICAN STANDARD" MODEL 185B.8171700.075 PEKOE SINGLE BOWL UNDERMOUNT STAINLESS STEEL BREAKROOM SINK, 18 GAUGE STAINLESS STEEL, FAUCET: AMERICAN STANDARD MODEL 4279300 DELANCY PULL-DOWN KITCHEN FAUCET, SINGLE HOLE DECK MOUNT, 3/8" SUPPLY LINE WITH NYLON BRAIDED HOSE, ADA COMPLIANT, 1.5 GPM FLOW RATE, MULTI-FUNCTION PULL-DOWN SPRAYER.	
KS-1	KITCHEN SINK	2"	1 1/2"	3/4"	3/4"	2	2	"AMERICAN STANDARD" MODEL 185B.8171700.075 PEKOE SINGLE BOWL UNDERMOUNT STAINLESS STEEL KITCHEN SINK, 18 GAUGE STAINLESS STEEL, FAUCET: AMERICAN STANDARD MODEL 4279300 DELANCY PULL-DOWN KITCHEN FAUCET, SINGLE HOLE DECK MOUNT, 3/8" SUPPLY LINE WITH NYLON BRAIDED HOSE, ADA COMPLIANT, 1.5 GPM FLOW RATE, MULTI-FUNCTION PULL-DOWN SPRAYER.	
DF-1	DRINKING FOUNTAIN	2"	1 1/2"	3/4"	-	0.5	0.5	ELKAY, MODEL #Z5WSLPL E2H20 BOTTLE FILLING STATION, WALL MOUNT, ADA APPROVED, COMPLETE WITH WATERSENTRY FILTER 51300C & WSF6000R-2PK, MOUNTING FRAME MLP100, P-TRAP IN WALL, ELEC. 120/60HZ, NSF/ANSI 61&372, ADA & ICC A117.1, ASME A112.19.3/CSA	
ED-1	FLOOR DRAIN	2"	1 1/2"	-	-	2	-	"WATTS" PRONTO FD-1190-PP EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY AND SECONDARY WEEPHOLES, POST-POUR ADJUSTABLE ROUND HEEL PROOF STAINLESS STEEL STRAINER WITH INTEGRATED BUBBLE LEVEL, LEVELING SHIMS, AND NO HUB (STANDARD) OUTLET	
TP-1	TRAP PRIMER	-	-	3/2"	-	-	-	"PRECISION PLUMBING PRODUCTS" MODEL- PR-500 PRESSURE DROP ACTIVATED TRAP PRIMER, LEAD FREE, BRASS TRAP PRIMER WITH EPDM SEALS, OPERATING PRESSURE 20 PSI-80 PSI, TESTED AND APPROVED IN CONFORMANCE WITH ASSE STANDARD 1018. SPECIFY MODEL LFTP300-DU-OR FOR DISTRIBUTION UNIT.	
WHA	WATER HAMMER ARRESTOR	-	-	3/4"	-	-	-	SILOUX CHIEF MODEL 653-BS 3/4"	
WCO_FOD_C06_C06	CLEAN OUTS	-	-	-	-	-	-	WALL CLEAN OUT: "WATTS" MODEL: CO-440-RD FLOOR CLEANOUT: "WATTS" MODEL: CO-200-RX MUST BE FLUSHED TO SURFACE. CLEAN OUT TO GRADE: "WATTS" MODEL: CO-1200 SQUARE MUST BE FLUSHED TO SURFACE. CLEAN OUT: "WATTS" MODEL: C06	

NOTES:

ALL FIXTURES TO BE WHITE AND TRIM TO BE POLISHED CHROME FINISH UNLESS NOTED OTHERWISE.

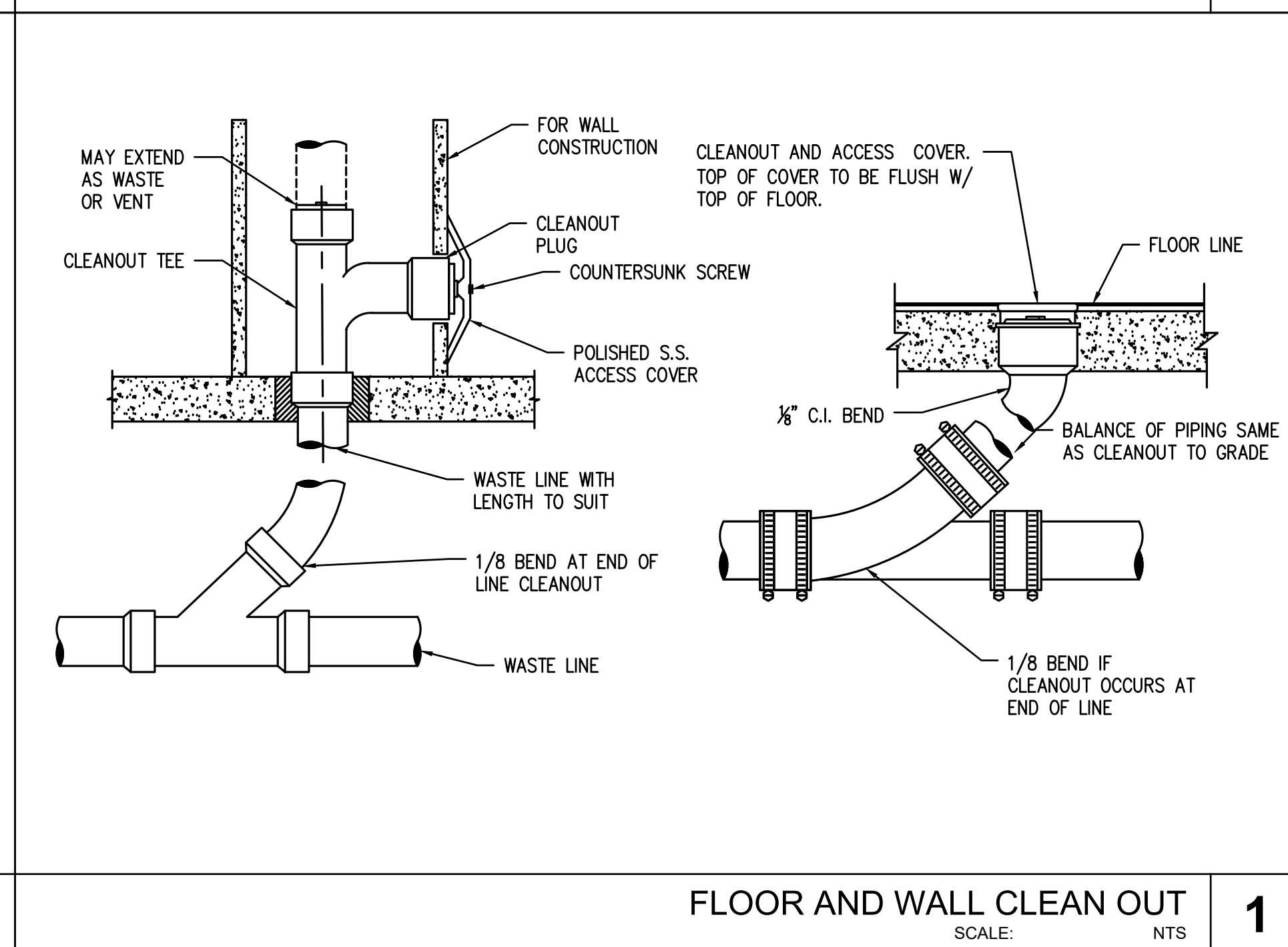
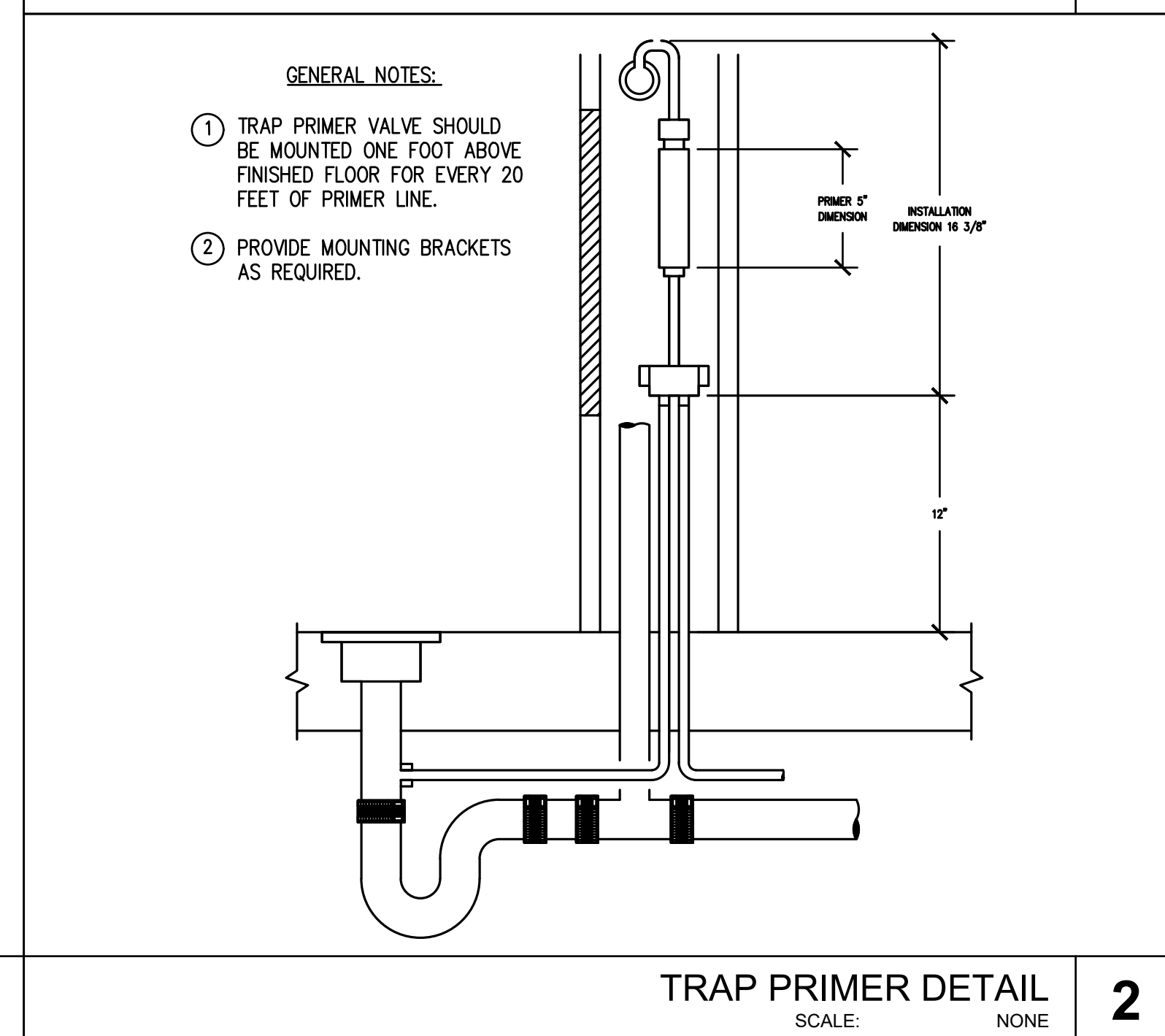
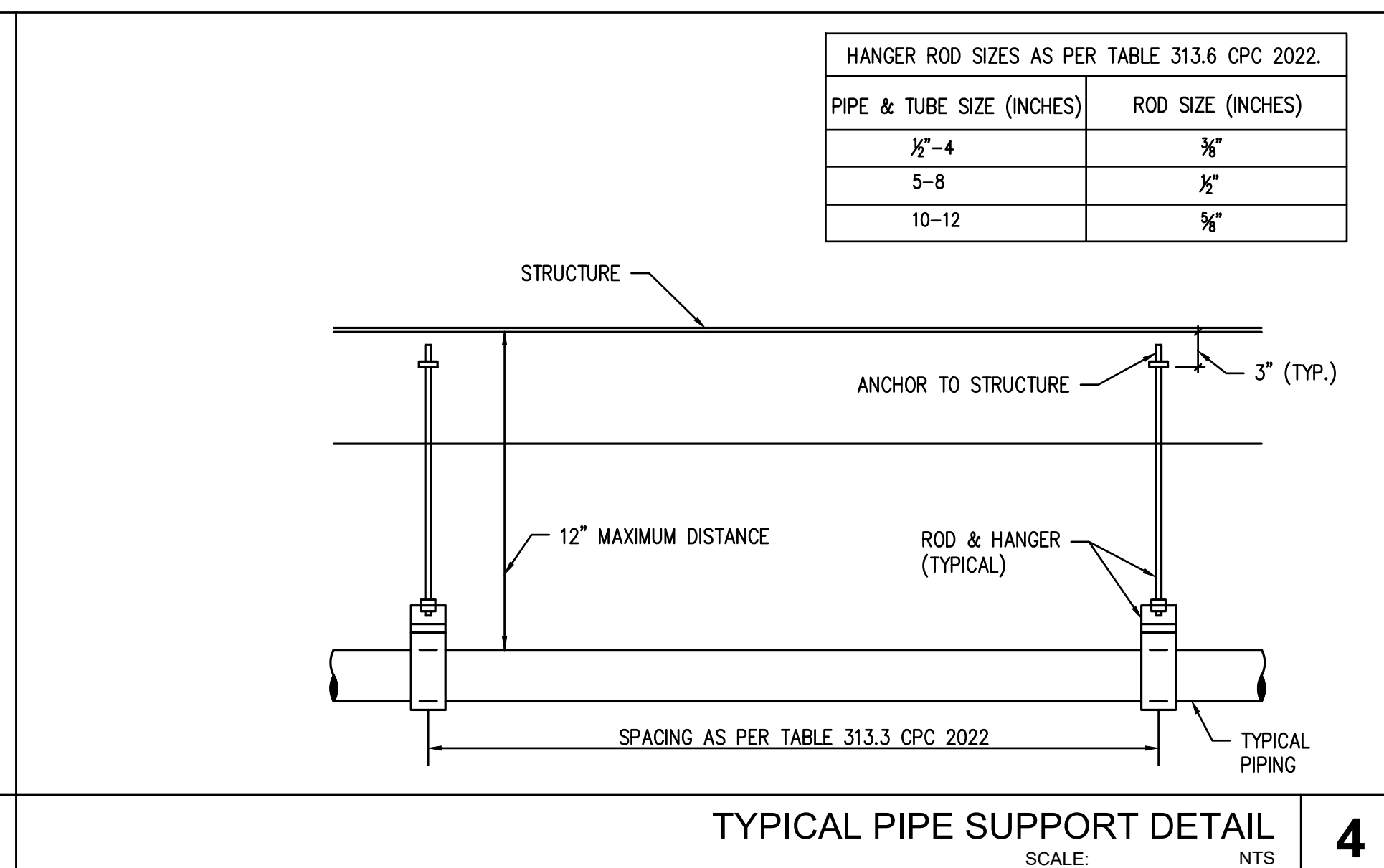
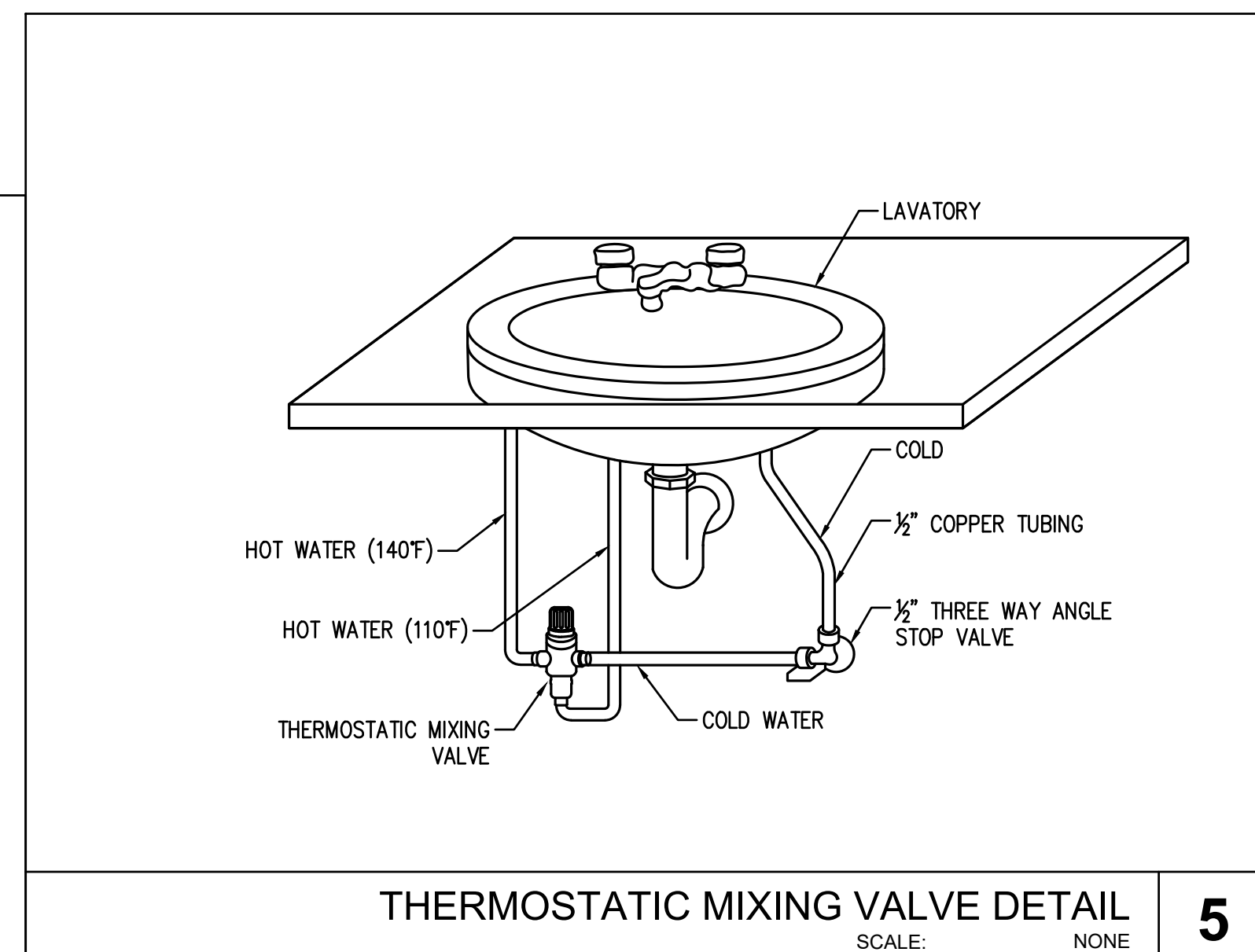
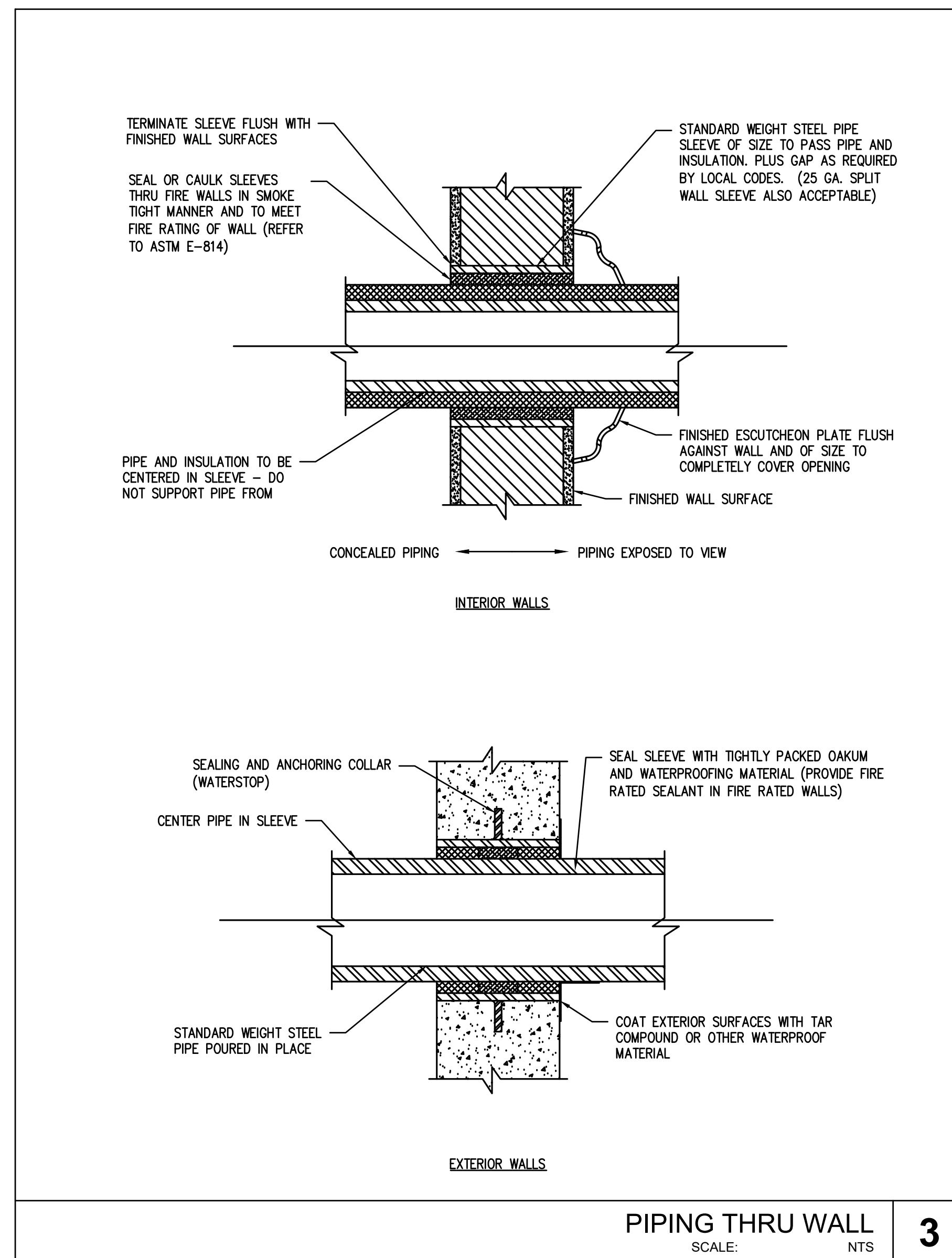
PROVIDE BRASSCRAFT HEAVY PATTERN ANGLE STOPS FOR ALL FIXTURES IN PUBLIC AREAS AND BRASSCRAFT SPEEDWAY STOPS AT ALL OTHER LOCATIONS.

FIXTURES AND TRIM SHALL BE AS NOTED OR EQUAL, COMPLY WITH CALIFORNIA PLUMBING CODE AND APPROVED BY OWNER.

ALL HANDICAP LAVATORIES & SINKS TO BE PROVIDED WITH INSULATION FOR THE DRAIN & HOT WATER PIPING AS TRUEBRO KIT #101 INSULATION KIT OR EQUAL.

FIXTURES AND FITTINGS THAT ARE INTENDED TO DELIVER POTABLE WATER FOR HUMAN CONSUMPTION SHALL BE LEAD FREE.

VALVES SCHEDULE										
MARK	MAKE	MODEL	SERVICE	LOCATION	QTY	TYPE	MINIMUM FLOW(GPM)	PIPE SIZE	VALVE SIZE	REMARKS
TMV-1	CASH ACME	HEATGUARD 160LF SERIES	DOMESTIC HOT WATER TEMPERING	BELOW LAV.	2	THERMOSTATIC MIXING VALVE	0.34MIN - 5.8MAX	3/4"	3/4"	LEAD FREE THERMOSTATIC MIXING VALVE SERVING PUBLIC LAVATORIES AT 110°F. COMPLIES WITH ASSE 1070 AND CSA B125.3.



P.02

CITY OF FULLERTON PUBLIC WORKS DEPARTMENT INDEPENDENCE PARK GYM RENOVATION H2S PROJECT 25098	
PLUMBING CALCULATIONS, SCHEDULES & DETAILS	
APPROVED: [Signature] DATE: 05/29/2026	ACCEPTED: [Signature] DATE: []
SCALE: AS NOTED	SHEET 32 of 54 SHEETS
B.M.: N/A	FILE: MISC 5437

110 E. WILSHIRE AVE., SUITE 900
FULLERTON, CA 92632

714.888.0888
FAX 714.888.0888

6/5/26 C25-105

H2S Engineers Inc.
Mechanical and Electrical Engineers
4095 E. La Palma Ave., Suite F, Anaheim, CA 92807
Ph: (714) 311-3668
E-mail: h2s@h2sengineers.com

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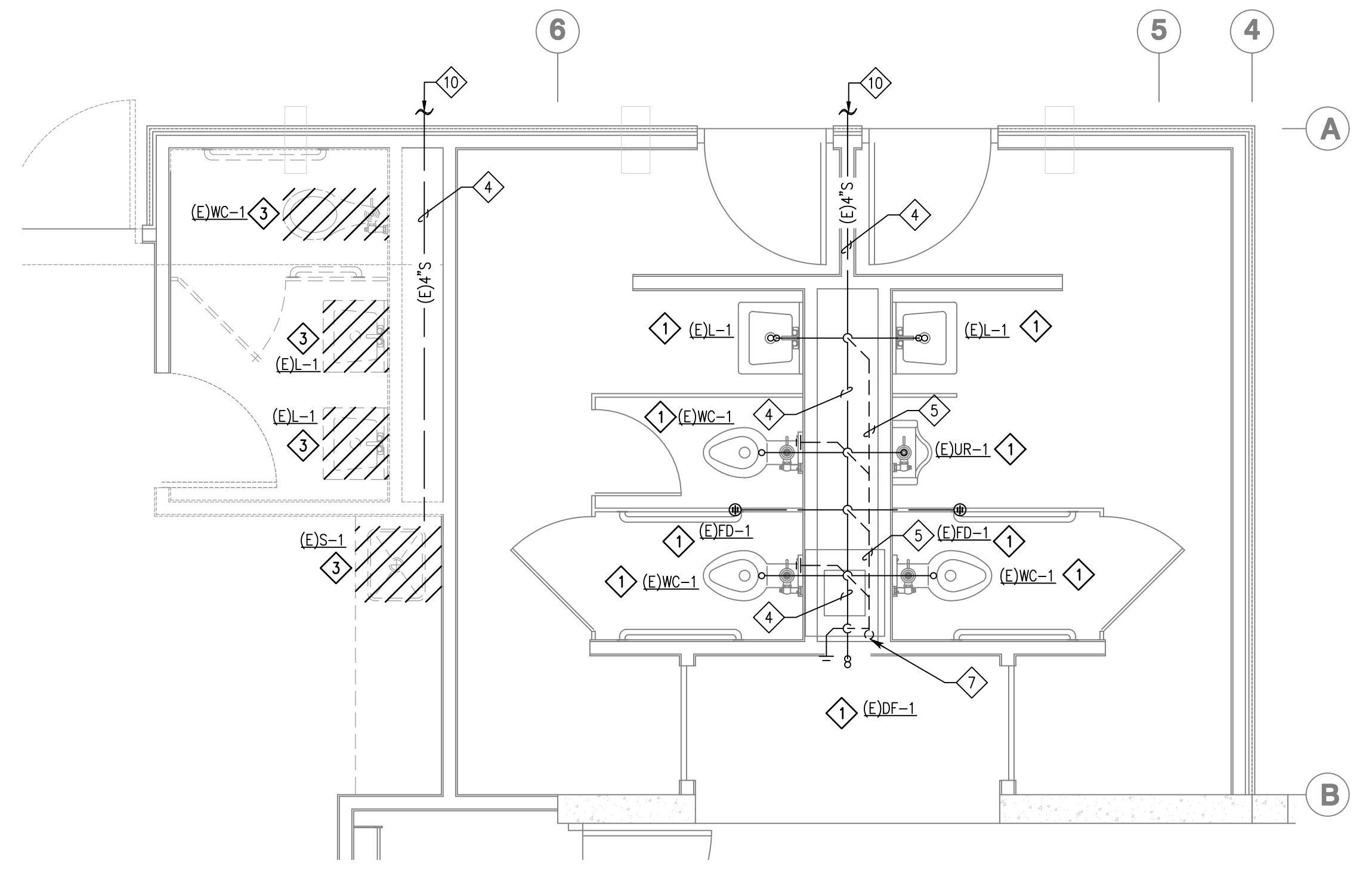
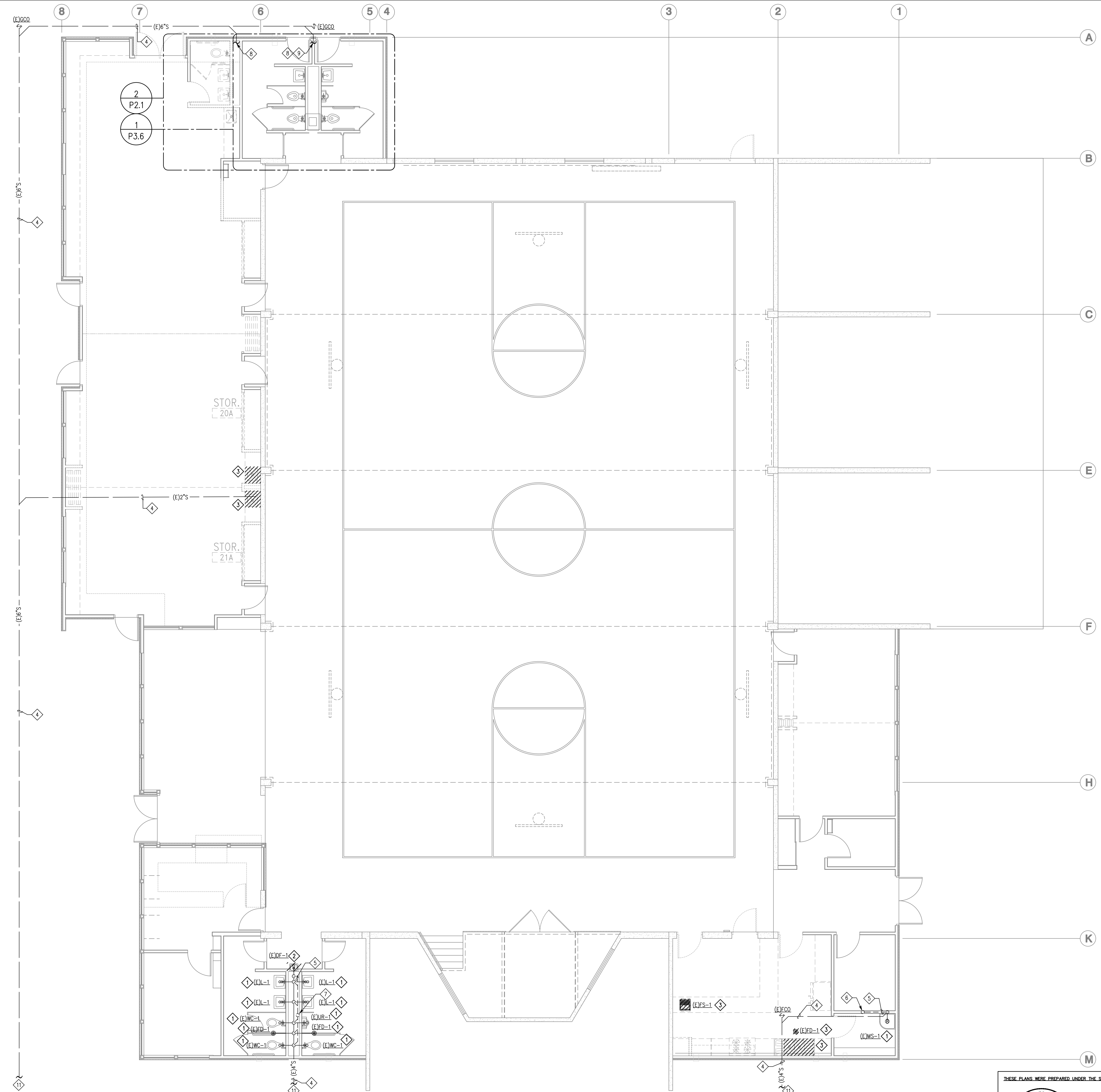
DATE

SHEET NOTES

- 1. EXISTING PLUMBING FIXTURE WITH ASSOCIATED WASTE & VENT PIPING TO REMAIN.
- 2. EXISTING PLUMBING FIXTURE TO BE DEMOLISHED AND ASSOCIATED WASTE & VENT PIPING TO REMAIN AS IT IS.
- 3. EXISTING PLUMBING FIXTURE TO BE DEMOLISHED WITH ASSOCIATED WASTE & VENT PIPING.
- 4. EXISTING WASTE PIPING RUNNING BELOW GRADE TO REMAIN.
- 5. EXISTING VENT PIPING RUNNING AT HIGH LEVEL INSIDE CEILING SPACE TO REMAIN.
- 6. EXISTING 1/2" VENT THRU ROOF TO REMAIN. LOCATION SHOWN ON THE DRAWINGS MAY NOT BE ACCURATE.
- 7. EXISTING 4" VENT THRU ROOF TO REMAIN. LOCATION SHOWN ON THE DRAWINGS MAY NOT BE ACCURATE.
- 8. FOR CONTINUATION REFER TO SHEET 2/P2.1.
- 9. FOR CONTINUATION REFER TO SHEET 1/P3.6.
- 10. FOR CONTINUATION REFER TO SHEET 1/P2.1.
- 11. EXISTING 4" WASTE PIPE RUNNING BELOW GRADE TO EXISTING MAIN SEWER CITY LINE.

GENERAL SHEET NOTES

1. DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ARE NOT INTENDED TO INDICATE NECESSARY OFFSETS OF PIPING, FITTING & APPURTENANCES THAT HAVE TO BE REMOVED, CAPPED OR REROUTED.
2. FOR CLARITY, NOT ALL EXISTING WORK IS SHOWN ON PLANS. CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITIES, LOCATION, SIZE, INVERT ELEVATIONS, PRESSURE AND AVAILABILITY PRIOR TO START ON ANY WORK.
3. ALL WALL, FOOTING AND FLOOR PENETRATION SHALL BE CAULKED WITH FIRE PROOF IN AND APPROVED MANNER BY CALIFORNIA BUILDING CODE.
4. DEMOLISH/ REMOVE & PATCH EXISTING MATERIALS, ITEMS, OR FINISHES AS NECESSARY TO PERFORM NEW WORK WHERE INDICATED. PATCH EXISTING WALL/FLOOR TO MATCH ADJACENT MATERIALS/FINISHES.
5. ALL VENTS SHALL BE MIN. 10' AWAY FROM AC UNIT AIR INTAKE.
6. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES.
7. FOR EXISTING PIPING AND FIXTURES CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION AND SIZE. LOCATION SHOWN ON THE DRAWINGS MAY NOT BE ACCURATE.
8. ALL THE PIPING SHALL BE RUN AS HIGH AS POSSIBLE.



2 PLUMBING ENLARGED DEMOLITION WASTE & VENT FLOOR PLAN (BASE BID) SCALE 3/8" = 1'-0"

1 PLUMBING OVERALL DEMOLITION WASTE & VENT FLOOR PLAN SCALE 3/16" = 1'-0"

H2S H2S Engineers Inc.
Mechanical and Electrical Engineers
4095 E La Palma Ave., Suite F, Anaheim, CA 92807
Ph: (714) 321-3668
E-mail: h2s@h2sengineers.com
www.h2sengineers.com

CRANE ARCHITECTURAL GROUP
Innovations in Architecture
110 B. WILSHIRE AVE., SUITE 900 714-882-0888
FULLERTON, CA 92632 FAX 714-882-0888

THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF:
Professional Engineer Seal
No. 41378
DATE: 05/29/2026
SIGNATURE: _____ DATE: _____

NUMBER	DESCRIPTION	DATE	DRAWN	INITIALS	DATE
	DESIGNED		HS		
	REVIEWED		HS		
	STREET		HS		
	SEWER				
	DRAINAGE				
	WATER				
	TRAFFIC				
	UTILITY/ELEC				
	LANDSCAPE				
	FACILITIES				
	GENRAL ENG				
	DESIGN ENG				
	INSPECTION				
	PARKS & REC				
	AS-BUILT				

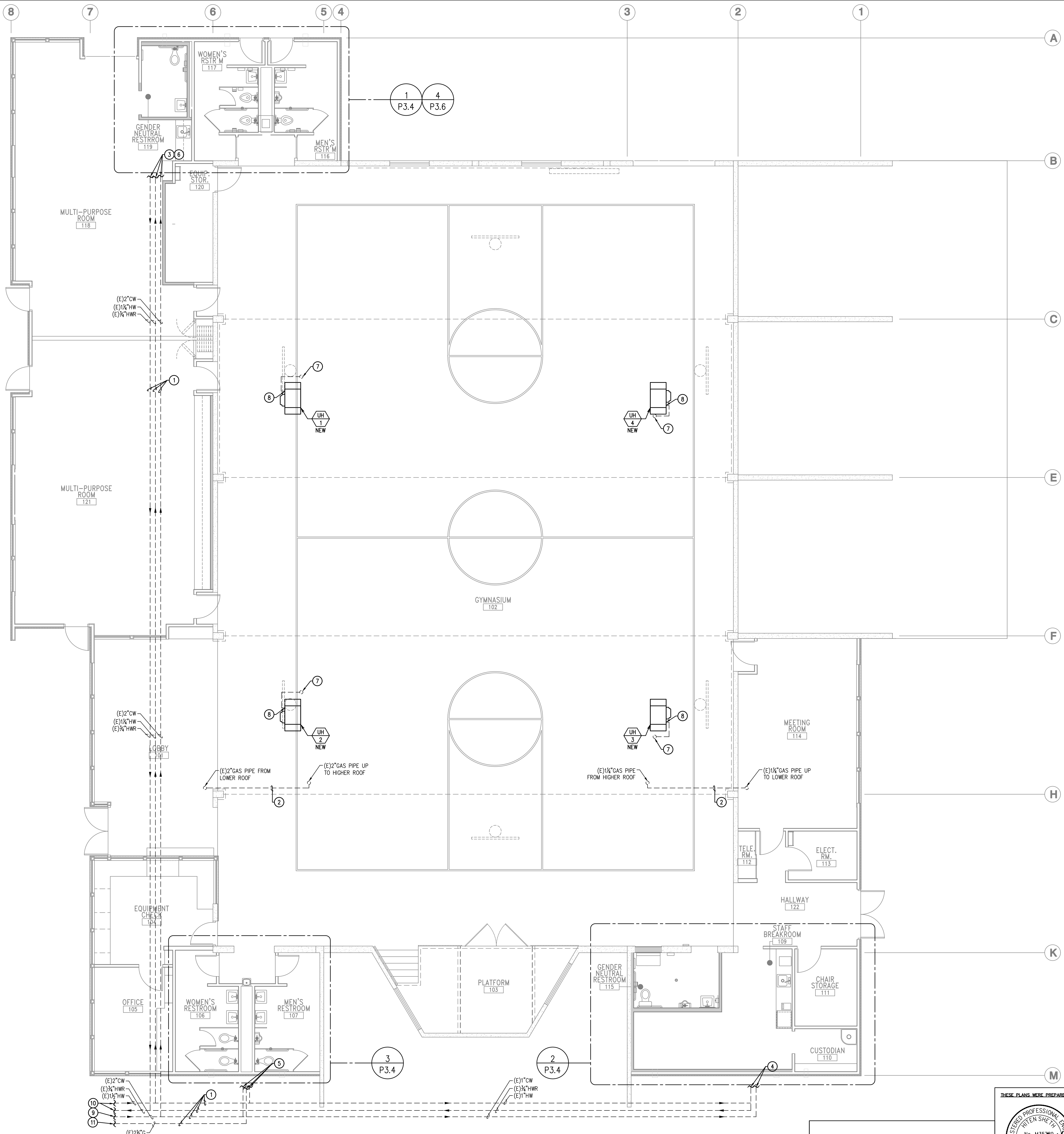
P2.1
CITY OF FULLERTON
PUBLIC WORKS DEPARTMENT
INDEPENDENCE PARK GYM RENOVATION
H2S PROJECT 25098
PLUMBING OVERALL DEMOLITION WASTE & VENT FLOOR PLAN
APPROVED: _____ DATE: 05/29/2026
ACCEPTED: _____ DATE: _____
SCALE: AS NOTED
B.M.: N/A
SHEET 33 of 54 SHEETS
FILE: MISC 5437

SHEET NOTES

- ① EXISTING COLD WATER, HOT WATER, HOT WATER RETURN AND GAS PIPING RUNNING BELOW GRADE TO REMAIN.
- ② EXISTING GAS PIPING RUNNING AT HIGH LEVEL TO REMAIN.
- ③ FOR CONTINUATION REFER TO SHEET 1/P3.4.
- ④ FOR CONTINUATION REFER TO SHEET 2/P3.4.
- ⑤ FOR CONTINUATION REFER TO SHEET 3/P3.4.
- ⑥ FOR CONTINUATION REFER TO SHEET 4/P3.6.
- ⑦ EXISTING 3/4" GAS PIPE FROM ABOVE ROOF.
- ⑧ EXISTING 3/4" GAS PIPE CONNECTED TO NEW UNIT HEATER (75 CFH). CONTRACTOR SHALL FIELD VERIFY PIPE SIZE, LENGTH, AND CAPACITY ARE ADEQUATE FOR NEW LOAD. PROVIDE MODIFICATIONS IF REQUIRED.
- ⑨ EXISTING 2" COLD WATER PIPE FROM EXISTING WATER METER TO REMAIN.
- ⑩ EXISTING 1/2" HOT WATER PIPE FROM AND 3/4" HOT WATER RETURN PIPE TO EXISTING WATER HEATER REMAIN AS IT IS.
- ⑪ EXISTING 2 1/2" GAS PIPE FROM EXISTING GAS METER TO REMAIN.

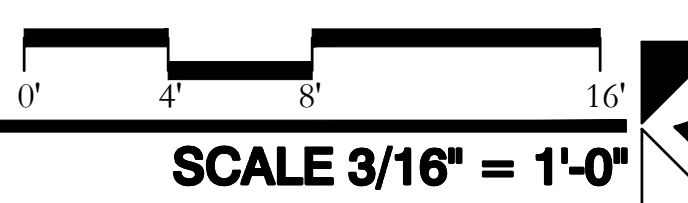
GENERAL SHEET NOTES

1. DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ARE NOT INTENDED TO INDICATE NECESSARY OFFSETS OF PIPING, FITTING & APPURTENANCES THAT HAVE TO BE REMOVED, CAPPED OR REROUTED.
2. FOR CLARITY, NOT ALL EXISTING WORK IS SHOWN ON PLANS. CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITIES, LOCATION, SIZE, INVERT ELEVATIONS, PRESSURE AND AVAILABILITY PRIOR TO START ON ANY WORK.
3. ALL WALL, FOOTING AND FLOOR PENETRATION SHALL BE CAULKED WITH FIRE PROOF IN AN APPROVED MANNER BY CALIFORNIA BUILDING CODE.
4. DEMOLISH/ REMOVE & PATCH EXISTING MATERIALS, ITEMS, OR FINISHES AS NECESSARY TO PERFORM NEW WORK WHERE INDICATED. PATCH EXISTING WALL/FLOOR TO MATCH ADJACENT MATERIALS/FINISHES.
5. ALL VENTS SHALL BE MIN. 10' AWAY FROM AC UNIT AIR INTAKE.
6. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES.
7. FOR EXISTING PIPING AND FIXTURES CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION AND SIZE. LOCATION SHOWN ON THE DRAWINGS MAY NOT BE ACCURATE.
8. ALL THE PIPING SHALL BE RUN AS HIGH AS POSSIBLE.



P3.3

1 PLUMBING OVERALL PROPOSED WATER FLOOR PLAN



H2S H2S Engineers Inc.
 Mechanical and Electrical Engineers
 4995 E La Palma Ave., Suite F, Anaheim, CA 92807
 Ph: (714) 331-3848 E-mail: h2s@h2sengineers.com
 www.h2sengineers.com

CRANE ARCHITECTURAL GROUP
 Innovations in Architecture
 110 B. WILSHIRE AVE., SUITE 900 F14802-0000
 FULLERTON, CA 92632 FAX 714-852-8888

THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF:

 No. A15379
 Mechanical
 State of California
 STAMP
 SIGNATURE _____ DATE _____

REVISIONS		DATE	INITIALS	DATE
NUMBER	DESCRIPTION	DATE	DRAWN	DATE
			DESIGNED	
			REVIEWED	
			STREET	
			SEWER	
			DRAINAGE	
			WATER	
			TRAFFIC	
			UTILITY/ELEC	
			LANDSCAPE	
			FACILITIES	
			GENERAL ENG	
			DESIGN ENG	
			INSPECTION	
			PARKS & REC	
			AS-BUILT	

CITY OF FULLERTON
 PUBLIC WORKS DEPARTMENT
 INDEPENDENCE PARK GYM RENOVATION
 H2S PROJECT 25098

PLUMBING OVERALL PROPOSED WATER FLOOR PLAN

APPROVED: DATE: 05/29/2026
 CITY ENGINEER/ASSISTANT PUBLIC WORKS DIRECTOR

ACCEPTED: _____ DATE: _____
 PUBLIC WORKS DIRECTOR

SCALE: AS NOTED

B.M.: N/A

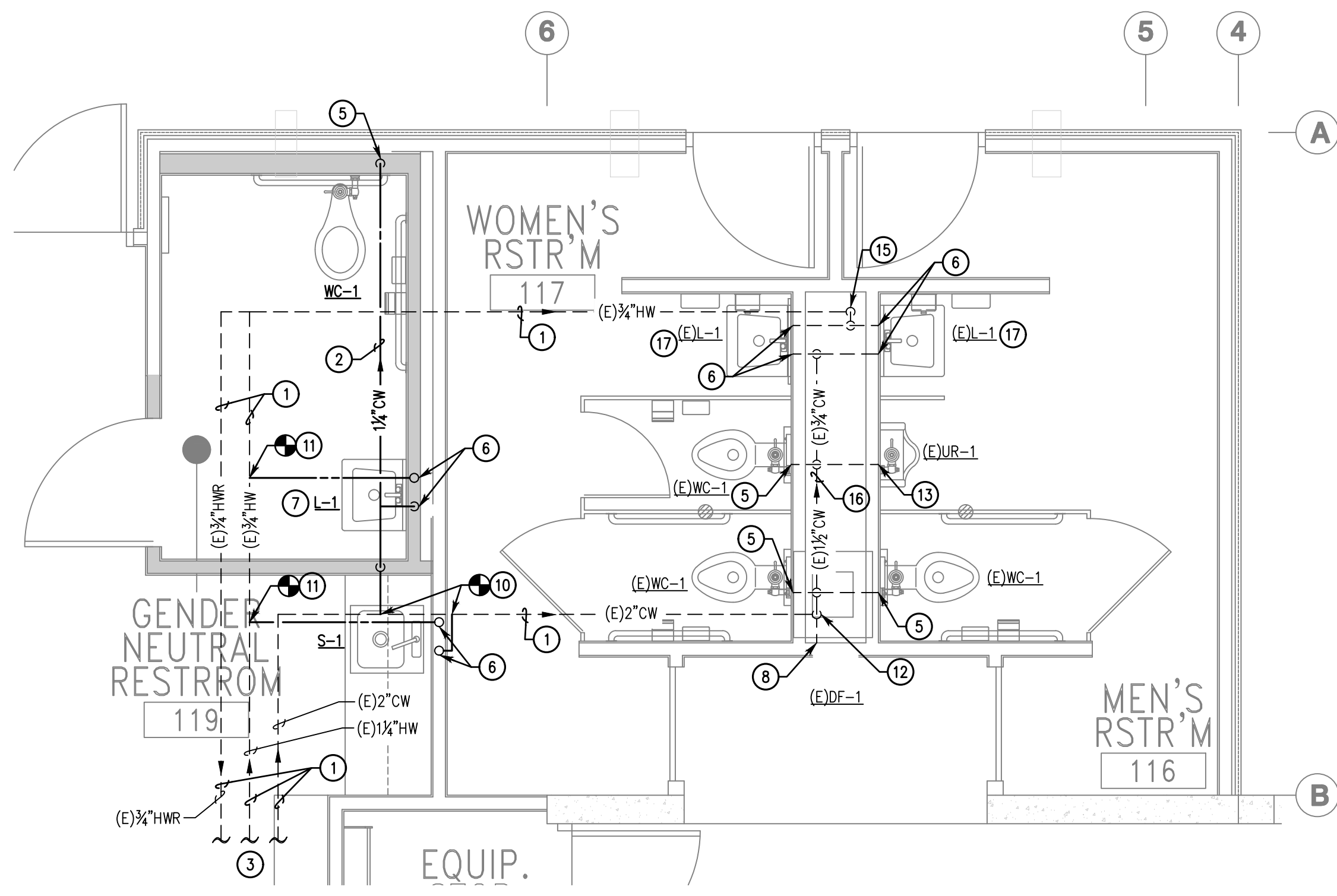
SHEET 37 of 54 SHEETS
 FILE: MISC 5437

SHEET NOTES

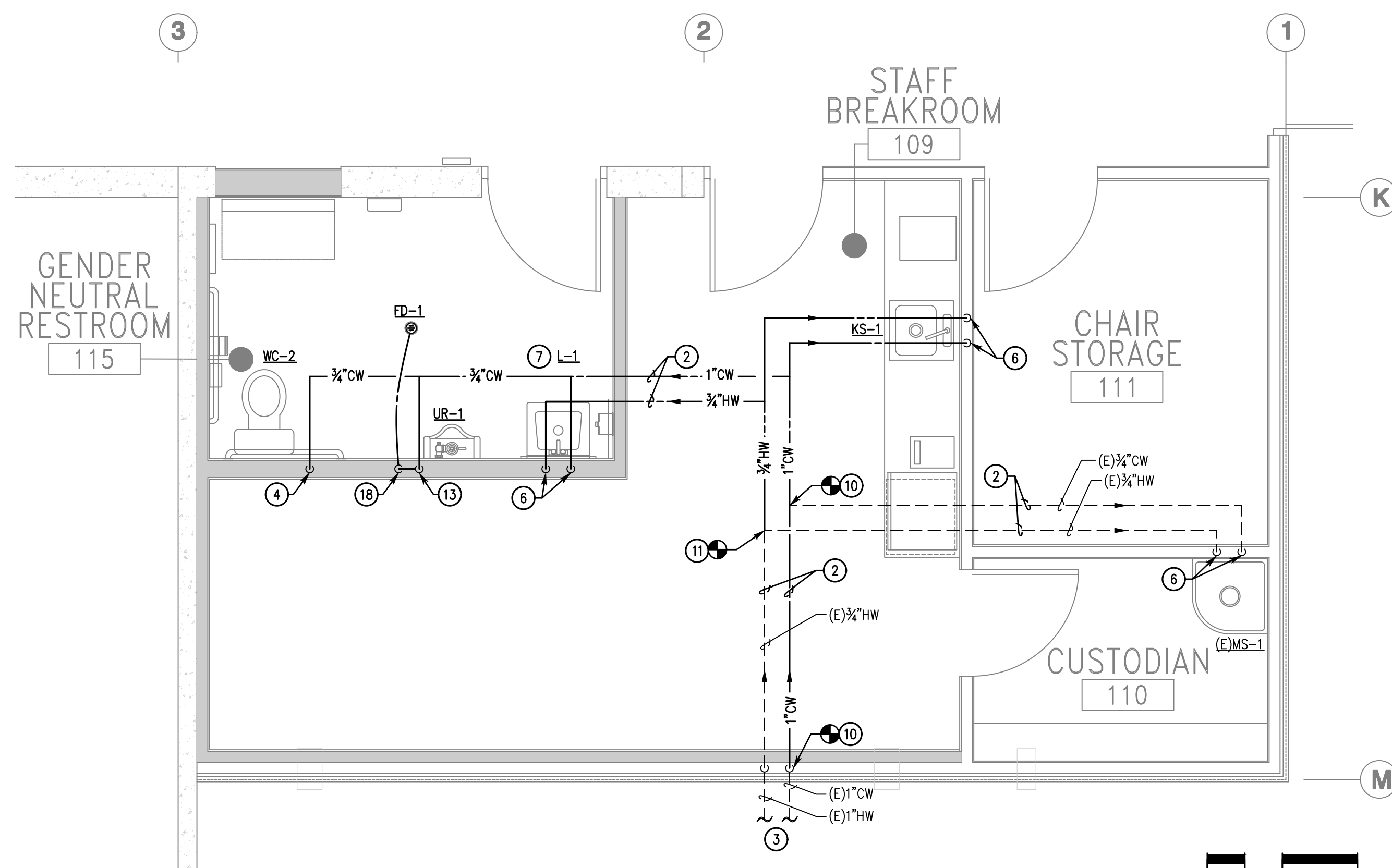
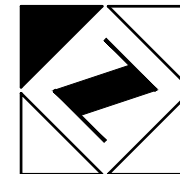
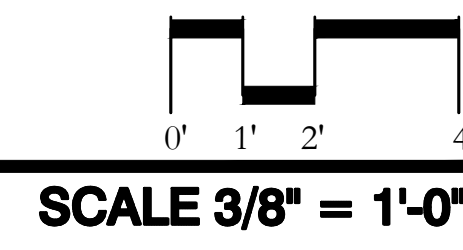
- ① EXISTING COLD WATER, HOT WATER & HOT WATER RETURN PIPING RUNNING BELOW GRADE TO REMAIN.
- ② PIPE RUNNING AT HIGH LEVEL INSIDE CEILING SPACE.
- ③ FOR CONTINUATION REFER TO SHEET P3.3.
- ④ 3/4" COLD WATER PIPE TO THE WATER CLOSET.
- ⑤ 1/2" COLD WATER PIPE TO THE WATER CLOSET.
- ⑥ 3/4" HOT & COLD WATER PIPE TO SUPPLY FIXTURE.
- ⑦ THERMOSTATIC MIXING VALVE(TMV-1) BELOW LAV. FOR MORE INFORMATION REFER TO SHEET P0.2.
- ⑧ 3/4" COLD WATER PIPE TO THE DRINKING FOUNTAIN.
- ⑨ EXISTING 2" GAS PIPE UP TO ROOF.
- ⑩ NEW COLD WATER PIPE CONNECTING TO EXISTING COLD WATER PIPE(POC). CONTRACTOR SHALL FIELD VERIFY EXACT SIZE & LOCATION. LOCATION SHOWN ON THE DRAWINGS MAY NOT BE ACCURATE.
- ⑪ NEW HOT WATER PIPE CONNECTING TO EXISTING HOT WATER PIPE(POC). CONTRACTOR SHALL FIELD VERIFY EXACT SIZE & LOCATION. LOCATION SHOWN ON THE DRAWINGS MAY NOT BE ACCURATE.
- ⑫ EXISTING 2" COLD WATER PIPE UP FROM BELOW GRADE AND RUNNING ABOVE GRADE.
- ⑬ 3/4" COLD WATER PIPE TO THE URINAL.
- ⑭ EXISTING THERMOSTATIC MIXING VALVE BELOW LAVATORY SHALL REMAIN. CONTRACTOR SHALL FIELD VERIFY THE PRESENCE OF THE EXISTING MIXING VALVE. IF THE EXISTING MIXING VALVE IS NOT FOUND, CONTRACTOR SHALL PROVIDE AND INSTALL A NEW THERMOSTATIC MIXING VALVE AS SPECIFIED ON SHEET P0.2.
- ⑮ EXISTING 3/2" HOT WATER PIPE UP FROM BELOW GRADE AND RUNNING ABOVE GRADE.
- ⑯ EXISTING COLD AND HOT WATER PIPE RUNNING ABOVE GRADE.
- ⑰ EXISTING THERMOSTATIC MIXING VALVE BELOW LAVATORY SHALL REMAIN.
- ⑱ 1/2" COLD WATER DOWN TO TRAP PRIMER. RUN 1/2" TRAP PRIMER LINE BELOW GRADE TO FLOOR DRAIN TAILPECE.

GENERAL SHEET NOTES

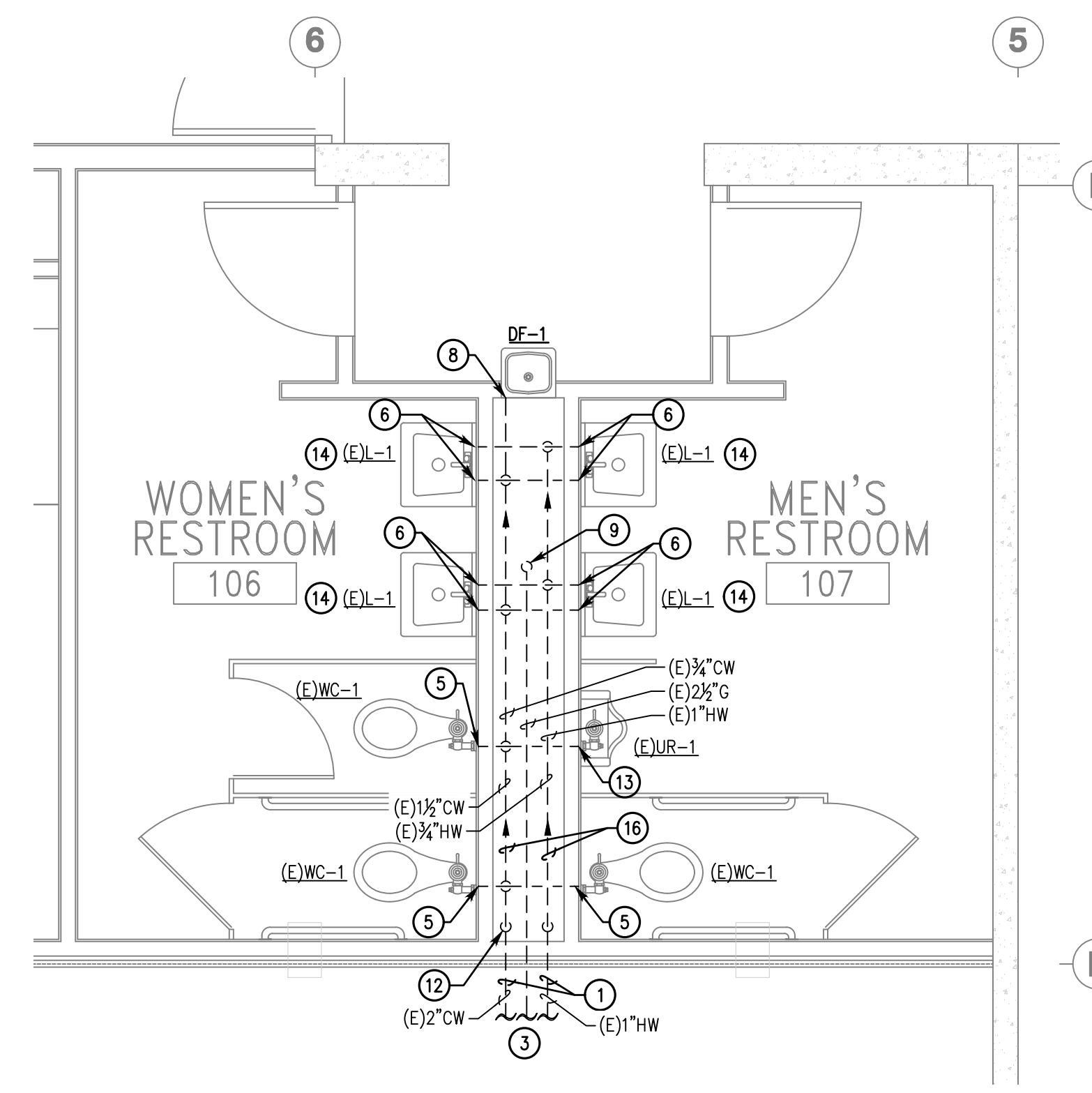
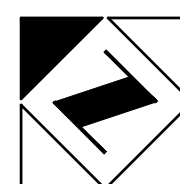
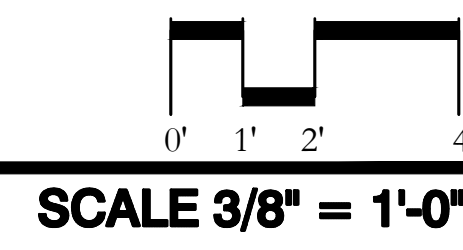
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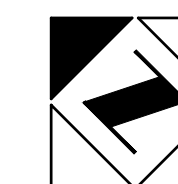
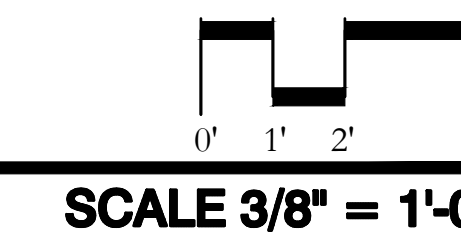
1 PLUMBING ENLARGED PROPOSED WATER FLOOR PLAN (BASE BID)



2 PLUMBING ENLARGED PROPOSED WATER FLOOR PLAN



3 PLUMBING ENLARGED PROPOSED WATER FLOOR PLAN



H2S H2S Engineers Inc.
Mechanical and Electrical Engineers
4095 E La Palma Ave., Suite F, Anaheim, CA 92807
Ph: (714) 311-3668
E-mail: h2s@h2sengineers.com
www.h2sengineers.com

CRANE ARCHITECTURAL GROUP
Innovations in Architecture
110 B. WILSHIRE AVE., SUITE 900 714-852-0888
FULLERTON, CA 92626 FAX 714-852-0888

THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF:



STAMP: [Signature]
SIGNATURE: _____ DATE: _____

REVISIONS		DATE	INITIALS	DATE
NUMBER	DESCRIPTION	DATE	DRAWN	HS
			DESIGNED	HS
			REVIEWED	HS
			STREET	
			SEWER	
			DRAINAGE	
			WATER	
			TRAFFIC	
			UTILITY/ELEC	
			LANDSCAPE	
			FACILITIES	
			CIVIL/ENR	
			DESIGN ENR	
			INSPECTION	
			PARKS & REC	
			AS-BUILT	

P3.4

CITY OF FULLERTON
PUBLIC WORKS DEPARTMENT
INDEPENDENCE PARK GYM RENOVATION
H2S PROJECT 25098

PLUMBING ENLARGED PROPOSED WATER FLOOR PLANS

APPROVED: [Signature] DATE: 05/29/2026	ACCEPTED: [Signature] DATE: _____
SCALE: AS NOTED	SHEET 38 of 54 SHEETS
B.M.: N/A	FILE: MISC 5437

FILE NAME: C:\SHARED\PROJECTS\25098\WORKING\DWG_P3.4.DWG

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- ALL THE PIPING SHALL BE RUN AS HIGH AS POSSIBLE.

DEMO WASTE & VENT NOTES

- EXISTING PLUMBING FIXTURE TO DEMOLISHED WITH ASSOCIATED WASTE & VENT PIPING.
- EXISTING WASTE PIPE TO BE DEMOLISHED FROM THE POINT OF DEMOLITION(POD). CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION. LOCATION SHOWN ON DRAWING MAY NOT BE ACCURATE.
- EXISTING VENT PIPE TO BE DEMOLISHED FROM THE POINT OF DEMOLITION(POD). CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION. LOCATION SHOWN ON DRAWING MAY NOT BE ACCURATE.
- FOR CONTINUATION REFER TO SHEET 1/P2.1.
- EXISTING WASTE PIPING RUNNING BELOW GRADE TO REMAIN.
- EXISTING 4" VENT THRU ROOF TO REMAIN. LOCATION SHOWN ON THE DRAWINGS MAY NOT BE ACCURATE.

DEMO WATER NOTES

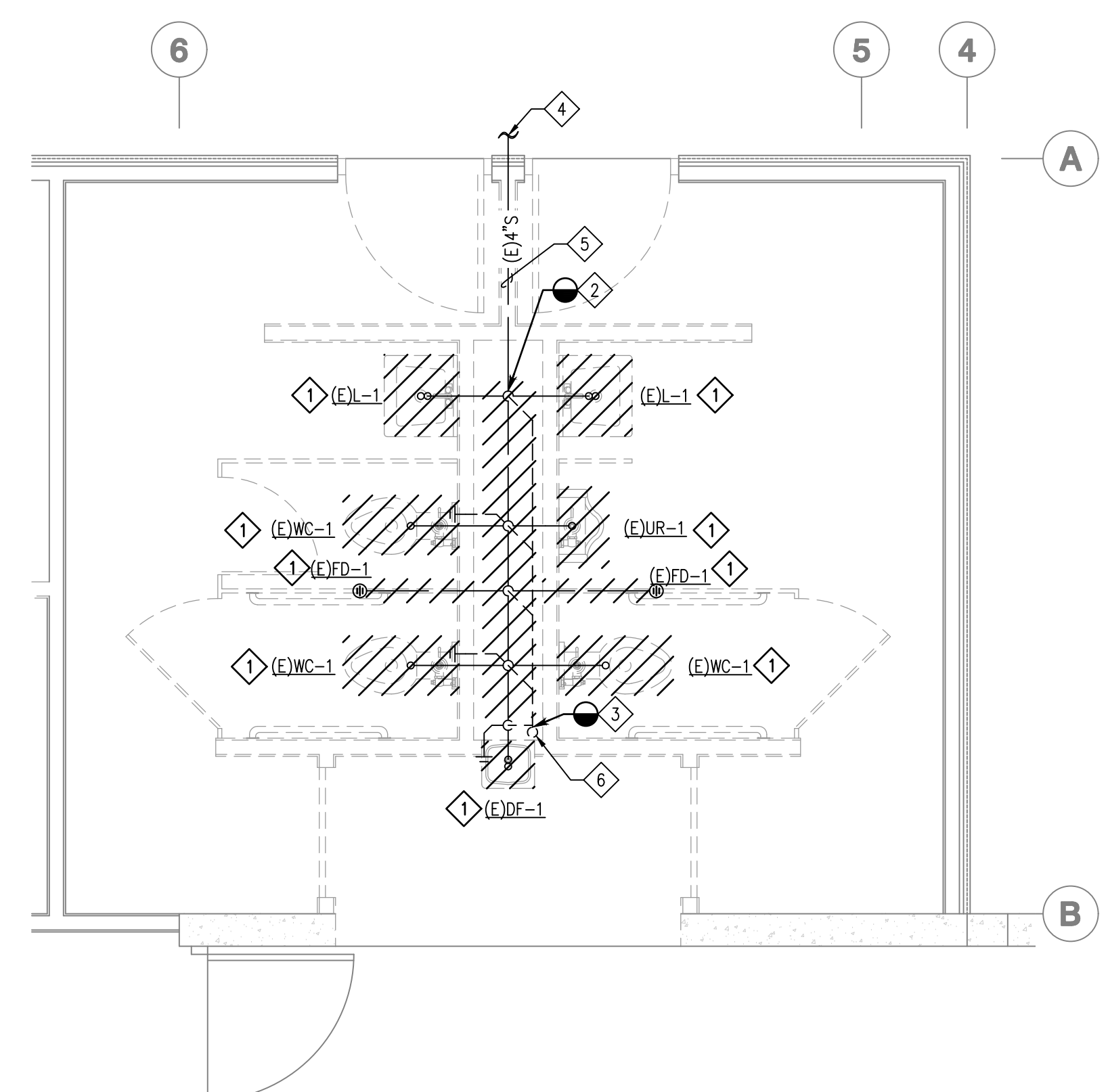
- EXISTING PLUMBING FIXTURE TO DEMOLISHED WITH ASSOCIATED SUPPLY PIPING.
- EXISTING COLD WATER PIPE TO BE DEMOLISHED FROM THE POINT OF DEMOLITION(POD). CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION. LOCATION SHOWN ON DRAWING MAY NOT BE ACCURATE.
- EXISTING HOT WATER PIPE TO BE DEMOLISHED FROM THE POINT OF DEMOLITION(POD). CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION. LOCATION SHOWN ON DRAWING MAY NOT BE ACCURATE.
- FOR CONTINUATION REFER TO SHEET 1/P2.2.
- EXISTING COLD WATER PIPING RUNNING BELOW GRADE TO REMAIN.
- EXISTING HOT WATER PIPING RUNNING BELOW GRADE TO REMAIN.

PROPOSED WASTE & VENT NOTES

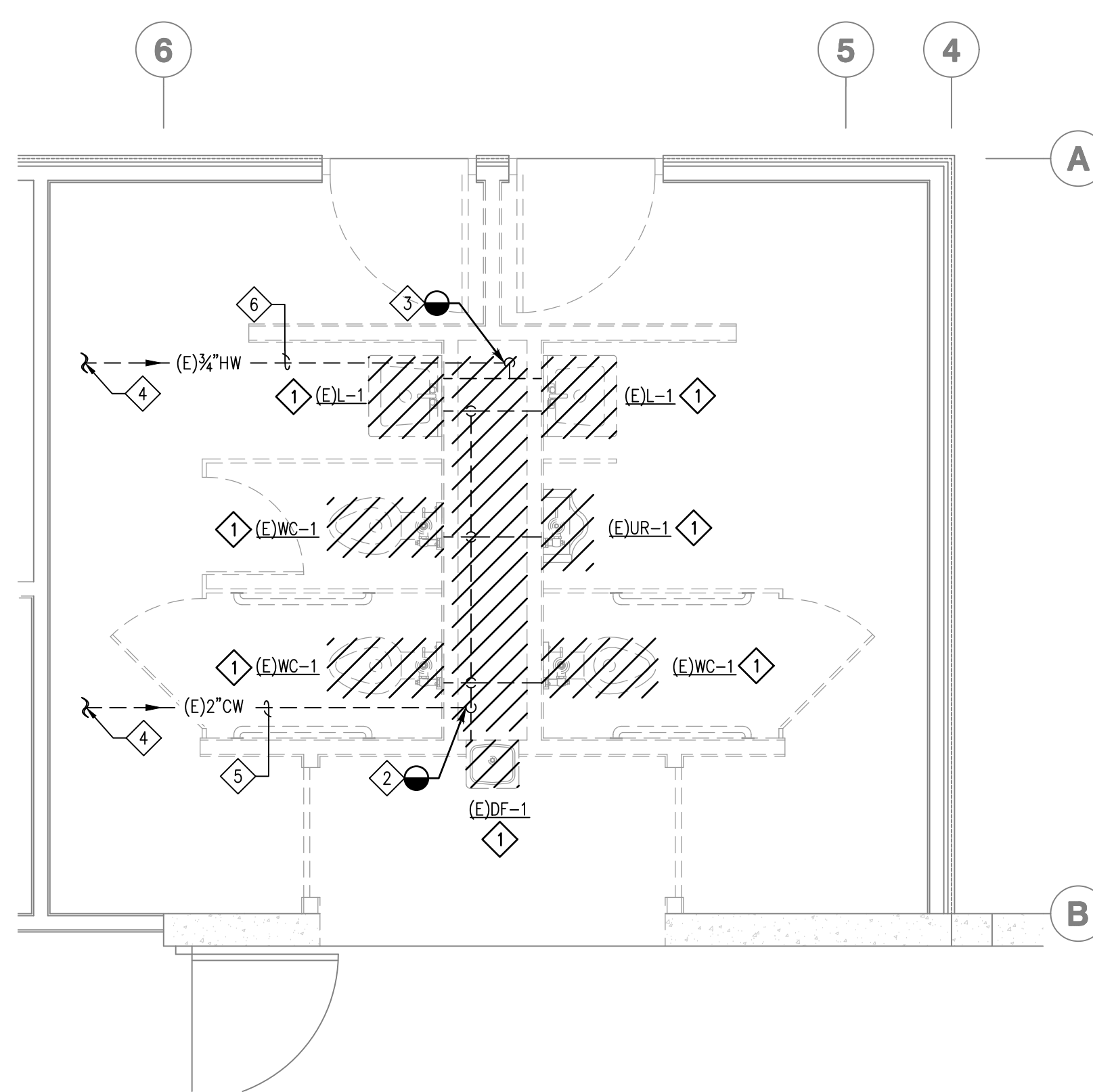
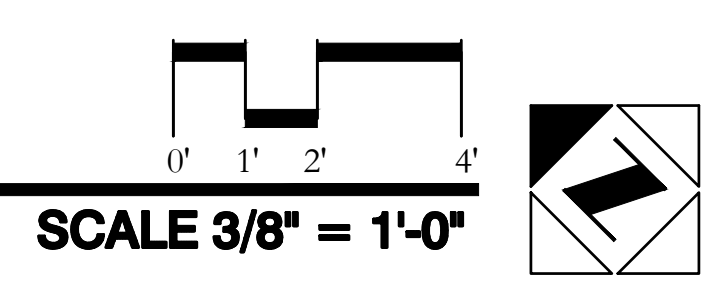
- PIPE RUNNING BELOW GRADE.
- PIPING RUNNING AT HIGH LEVEL INSIDE CEILING SPACE.
- 2" WASTE PIPE DOWN, 1/2" VENT UP.
- 4" WASTE PIPE DOWN, 2" VENT UP.
- FOR CONTINUATION REFER TO SHEET P2.1.
- NEW WASTE PIPE CONNECTING TO EXISTING WASTE PIPE(POC). CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION. LOCATION SHOWN ON DRAWING MAY NOT BE ACCURATE.
- EXISTING 4" VENT THRU ROOF TO REMAIN. LOCATION SHOWN ON THE DRAWINGS MAY NOT BE ACCURATE.
- NEW VENT PIPE CONNECTING TO EXISTING VENT PIPE(POC). CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION. LOCATION SHOWN ON THE DRAWINGS MAY NOT BE ACCURATE.

PROPOSED WATER NOTES

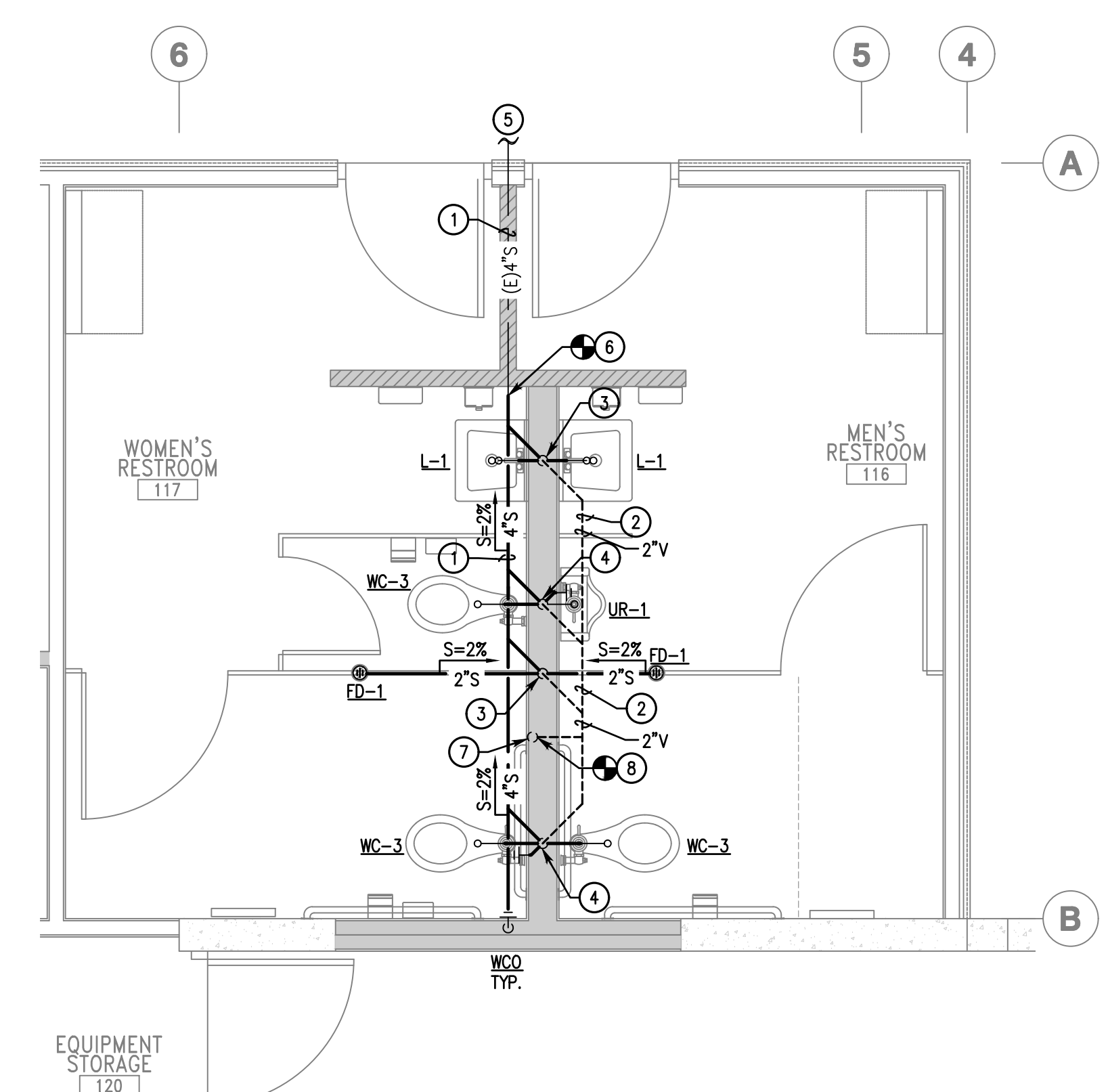
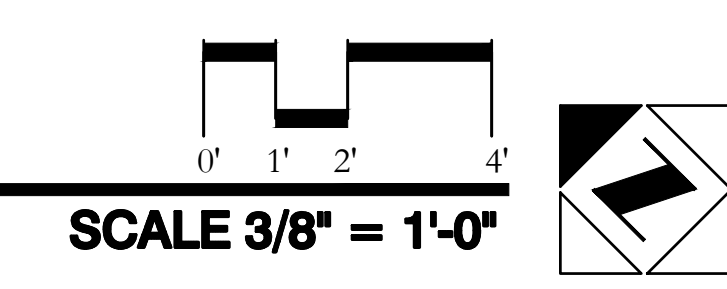
- EXISTING COLD WATER PIPING RUNNING BELOW GRADE TO REMAIN.
- EXISTING HOT WATER PIPING RUNNING BELOW GRADE TO REMAIN.
- PIPE RUNNING AT HIGH LEVEL INSIDE CEILING SPACE.
- FOR CONTINUATION REFER TO SHEET P2.2.
- 1/2" COLD WATER PIPE TO THE WATER CLOSET.
- 3/4" HOT & COLD WATER PIPE TO SUPPLY FIXTURE.
- THERMOSTATIC MIXING VALVE(TMV-1) BELOW LAV. FOR MORE INFORMATION REFER TO SHEET PD.2.
- NEW COLD WATER PIPE CONNECTING TO EXISTING COLD WATER PIPE(POC). CONTRACTOR SHALL FIELD VERIFY EXACT SIZE & LOCATION. LOCATION SHOWN ON THE DRAWINGS MAY NOT BE ACCURATE.
- NEW HOT WATER PIPE CONNECTING TO EXISTING HOT WATER PIPE(POC). CONTRACTOR SHALL FIELD VERIFY EXACT SIZE & LOCATION. LOCATION SHOWN ON THE DRAWINGS MAY NOT BE ACCURATE.
- 1/2" COLD WATER DOWN TO TRAP PRIMER. RUN 3/4" TRAP PRIMER LINE BELOW GRADE TO FLOOR DRAIN TAILPIECE.
- 1/2" COLD WATER PIPE UP FROM BELOW GRADE AND RUNNING AT HIGH LEVEL INSIDE CEILING SPACE.
- 3/4" COLD WATER PIPE TO THE URINAL.



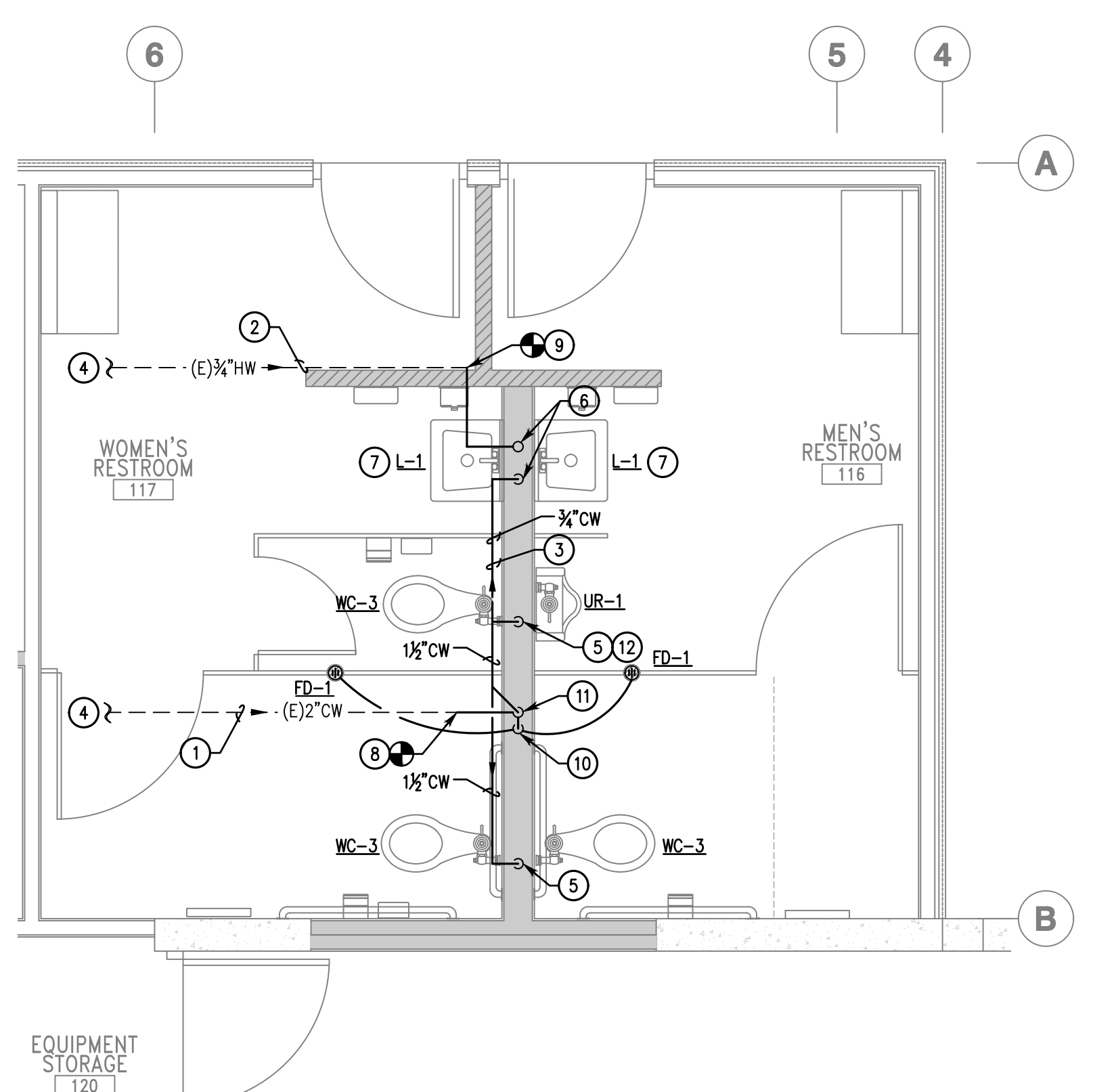
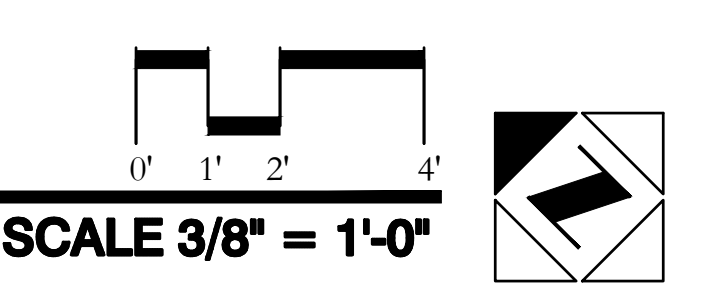
1 PLUMBING ENLARGED DEMOLITION WASTE & VENT FLOOR PLAN (BID ALTERNATE #1)



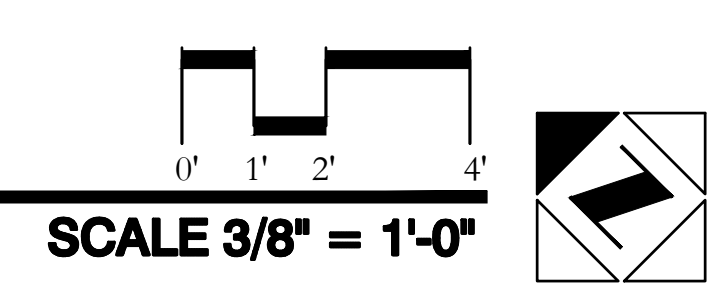
2 PLUMBING ENLARGED DEMOLITION WATER FLOOR PLAN (BID ALTERNATE #1)



3 PLUMBING ENLARGED PROPOSED WASTE & VENT FLOOR PLAN (BID ALTERNATE #1)



4 PLUMBING ENLARGED PROPOSED WATER FLOOR PLAN (BID ALTERNATE #1)



THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF:		REVISIONS		INITIALS	DATE	CITY OF FULLERTON PUBLIC WORKS DEPARTMENT INDEPENDENCE PARK GYM RENOVATION H2S PROJECT 25098
NUMBER	DESCRIPTION	DATE	DRAWN	HS	--	
			DESIGNED	HS	--	PLUMBING ENLARGED FLOOR PLANS (BID ALTERNATE #1)
			REVIEWED	HS	--	
			STREET			APPROVED: <i>[Signature]</i> DATE: 05/29/2026 JOBTY ENGINEER/ASSISTANT PUBLIC WORKS DIRECTOR
			SEWER			
			DRAINAGE			SCALE: AS NOTED
			WATER			
			TRAFFIC			SHEET 40 of 54 SHEETS
			UTILITY/ELEC			
			LANDSCAPE			B.M.: N/A
			FACILITIES			
			GENERAL ENG			FILE: MISC 5437
			DESIGN ENG			
			INSPECTION			
			PARKS & REC			
			AS-BUILT			

