

TOILET ROOM	FURNISHED BY		INSTALLED BY		REMARKS
	O	G	L	L	
CEILING (ACT)					
LIGHT FIXTURES & LAMPS					
MOP SINK WITH 42" HOSE					
MOP HOLDER & HOSE HOLDER					
"PAINTED" TOILET ROOM					
FLOORING					
VINYL BASE					
F.R.P. PANEL					
DOOR, FRAMES & HARDWARE					REFER TO DOOR SCHEDULE
MIRROR					
CABINET					
ADA SIGNAGE					
PLUMBING FIXTURES					SEE MEP DRAWINGS
ACCESSORIES					TOILET PAPER & PAPER TOWEL HOLDERS, COAT HOOK
ACCESSIBLE GRAB BARS					

HALLWAY/CORRIDOR					
CEILING					REFER TO REFLECTED CEILING PLAN
LIGHT FIXTURES & LAMPS					
DRINKING FOUNTAIN					SEE MEP DRAWINGS
DRINKING FOUNTAIN RAILS					
METAL WALL CORNER GUARDS					SEE A02.1
FLOORING					
VINYL BASE					
F.R.P. PANEL					APPLY ON EXPOSED WALLS. SEE A05.1 FOR LOCATIONS.

NON-SALES					
CEILING (EXPOSED STRUCTURE)					
CEILING (ACT)					
LIGHT FIXTURES & LAMPS					
FLOORING					
VINYL BASE					
F.R.P. PANEL					APPLY ON EXPOSED WALLS. SEE A05.1 FOR LOCATIONS.
REAR SERVICE DOOR					REFER TO DOOR SCHEDULE
REAR SERVICE DOOR HARDWARE					REFER TO DOOR SCHEDULE
REAR SERVICE LIGHTING					
REAR SERVICE DOOR DELIVERY BUZZER SYSTEM					
EMERGENCY OPERATIONS CENTER BACK DOOR STICKER					
MAGNETIC MARKER BOARDS					NS-62, SEE INTERIOR ELEVATIONS FOR MOUNTING CONFIGURATION
(N) SHELVING UNITS (FIXED & MOBILE)					
PERIMETER SHELVES					
PERIMETER SHELVING HARDWARE					STANDARDS, BRACKETS, CLIPS, ETC.
METAL WALL CORNER GUARDS					
DRAWING PLAN TUBE HOLDER					
HOOKS					NS-14
LOCKERS					NS-38/NS-39
MUSIC CONTROL SYSTEM					AT MGR DESK, SEE PLAN
MANAGER'S WORKSTATION					NS-53
SAFE					NS-56
MICROWAVE					NS-30, BY BRAND
BREAK BAR					NS-31
BREAK AREA STOOLS					NS-57
LARGE REFRIGERATOR					NS-15b (ENERGY STAR RATED - MIN. 18 CU. FT.) - WHITE
SEAT WALL SYSTEM					NS-30
IT CABINET					
TABLET CHARGING STATION					NS-61, BY BRAND
TABLET CHARGING STATION COUNTER					COUNTER TO MATCH BREAK BAR
LADDER HOOKS AND BUNGEE CORDS					QTY. 3, SECURE BRAND PROVIDED LADDERS
CORKBOARD					4'x3' (1200mm x 915mm)

MEP AND STRUCTURAL					
MEP AND STRUCTURAL WORK - REFER TO MEP AND STRUCTURAL DRAWINGS					

GENERAL SALES AREA					
CEILING					
FLOORING					
LIGHT FIXTURES					
CABINETRY & FRAMING CLIPS					
SHELVING & HARDWARE					
PRESENTATION / FLOOR FIXTURES					G.C. TO USE "LOC LOCKITE" WHEN INSTALLING DOOR/DRAPER PULLS
CASHWRAP CABINET					
BACKWRAP CABINET					
FLOORING FILL AND PREPARATION					
TRAFFIC COUNTER					CONDUITS & J BOX BY G.C.
TRAFFIC COUNTER MOUNTING BRACKET					OUTLET IF APPLICABLE, BY G.C.
MUSIC SYSTEM SPEAKERS & WIRING (WITHOUT VIDEO)					
RF TECH WIRING AND ANTENNA					CONDUITS & J BOX BY G.C.
LVAN CONDUIT					
LVAN WIRING AND EQUIPMENT					
BURGLAR ALARM					
STRETCH FABRIC SCREEN					
WALL BASE					
DOOR, FRAMES & HARDWARE					REFER TO DOOR SCHEDULE
WALL DECOR & GRAPHIC FRAMES					SEE A07.2
WALLCOVERING					
WOOD TRIMS					SEE DETAIL G/A10.1
LAMINATE CASHWRAP AND COUNTERTOP					
METAL CORNER GUARDS					
LIT SIGNAGE					
BBW CROWN TRIM					TRB-09

WB TRANSITIONS					
EJECTOR / DRAIN PUMP					IF REQUIRED
ACCESS PANEL					BELOW DEMO SINK (IF APPLICABLE)
ART & DECOR					
CREDENZA					
BASE CABINET, COUNTERTOP, SINK					
LIT SIGNAGE					INCLUDING ATTACHMENT
WALL BASE					
WALLCOVERING					
METAL WALL CORNER GUARDS					
WOOD SOFFIT TRIM					

GENERAL STOREFRONT					
NEUTRAL PIERS					EXISTING
STRUCTURAL STEEL					
BLADE SIGN					
BLOCKING FOR BLADE SIGN					EXISTING
LIGHT FIXTURES & LAMPS					
SIGNAGE					INCLUDING ATTACHMENT
WINDOW DECALS					
BRAKE MTL. (FASCIA)					VARIES, SEE ELEVATIONS G.C. TO ORDER
BRAKE MTL. ADHESIVE					
(N) ALUMINUM WINDOW SYSTEM & GLAZING					SEE STOREFRONT DRAWINGS
GLAZING & GLAZING CHANNELS					

BBW NON-ILLUM. METAL GINGHAM STOREFRONT					
REVEAL					EXISTING TO REMAIN
SLIDING GRILLE					EGRESS DOOR ONLY IF REQUIRED REFER TO DOOR SCHEDULE
SLIDING GRILLE STRUCTURAL SUPPORTS & FRAMING					
SLIDING GINGHAM PANEL					
DUST PROOF STRIKES FOR SLIDING PANEL					REFER TO A08.6 FOR LOCATIONS
ALUMINUM COMPOSITE GINGHAM PANEL					
GINGHAM PANEL ADHESIVE					
WHITE METAL TRIMS / PANELS					REFER TO STOREFRONT DETAILS FOR PROFILES
SURFACE MOUNTED LIGHTBOX					ADHESIVE BY VENDOR, SILICONE BY G.C.

GENERAL					
DEMISING WALL (CMU / METAL STUDS)					EXISTING TO REMAIN
DEMISING WALL GYP. BD.					EXISTING TO REMAIN
CONCRETE SLAB					EXISTING TO REMAIN
FLOOR LEVELING (AS REQUIRED)					
INSULATION (AS REQUIRED)					
IN-WALL BLOCKING					
GYP. BD. PARTITIONS					
F.R.T. PLYWOOD					
DOORS, DOOR FRAMES, & HARDWARE					REFER TO DOOR SCHEDULE
U-CHANGE CYLINDER @ FRONT ENTRY & REAR PANIC BAR					EXTERIOR ENTRY STORES
PAINT / COATINGS					

GENERAL (CONTINUED)					
TEMPORARY TELEPHONE					
FIRE EXTINGUISHERS					
EXIT LIGHTS					
ACCESS PANELS					AT GYP. BD. CEILING, IF REQUIRED
EXPANSION JOINT COVER					WALL, CEILING, AND/OR FLOOR AS REQUIRED

RESPONSIBILITY SCHEDULE CONTINUED					
CODE	MATERIAL	MANUFACTURER	DESCRIPTION	LOCATION/NOTES	

FLOOR COVERINGS					
FC-4	VINYL COMPOSITE TILE	ARMSTRONG	EXCELON NO. 51901 - "TAUPE", IMPERIAL TEXTURE	NON-SALES FLOOR	
FC-5	VINYL COMPOSITE TILE	ARMSTRONG	EXCELON NO. 51816 - "CHERRY RED", IMPERIAL TEXTURE	NON-SALES FIRE LANE, IN FRONT OF ELECTRICAL PANELS	
FC-13	VINYL COMPOSITE TILE	ARMSTRONG	EXCELON NO. 51864 - "HUMMUS" IMPERIAL TEXTURE	NON-SALES PROCESSING AREA ONLY	
FC-14	WALK-OFF MAT	MATWORKS	DESIGNER LINKS "SAFARI" CARPET W/ TACFAST BACKING IN DARK BROWN, PVC GRATE CALL (301) 837-1272	INTERIOR WALK-OFF MAT FOR EXTERIOR STORES	
FC-90	CERAMIC TILE	REFIN	25cm X 15cm LARIX SERIES - "NATURAL". RECTIFIED EDGE.	SALES AREA FLOORING, BRICK & WALLCOVERING TOILET ROOMS & ASSOCIATED PUBLIC HALLWAY; RANDOM RUNNING LENGTH PATTERN, SEE DETAIL ON A05.1. TILE TO BE INSTALLED W/ MINIMAL 1/16" (2mm) GROUT LINES EXPOSED. (5-90 GROUT)	

BASE COVERING					
B-1	VINYL BASE	JOHNSONITE	CB-121-4 - "CEMENT", 4" (102mm) HIGH COVE BASE. USE JOHNSONITE 946 PREMIUM CONTACT ADHESIVE PER VENDOR SPECIFICATIONS	NON-SALES, TOILET ROOM, HALLWAY, CONTACT SCOTT STERTHEYER. 1-78-254-9191. SCOTT.STERTHEYER@TARKETT.COM	
B-13	WOOD BASE	G.C.	PAINT GRADE POPLAR - 3/4" X 6" (19mm x 152mm)	SALES AREA. REFER TO FINISH PLAN FOR PAINT FINISH	
B-91	WOOD BASE	OCH	10" WOOD BASE TO MATCH SF-90 & WCSF-196. MINWAX WHITE 900 WOOD PUTTY TO FILL NAIL HOLES. SCRIBE PER HEIGHT NOTED IN DETAILS	PH PASS-THRU BASE	

CEILING					
ACT-2	ACOUSTICAL CEILING TILE	ARMSTRONG	CORTEGA NO. 769 - 24" x 48" (610mm x 1219mm) NON-DIRECTIONAL FISSEUR ON PRELUDE XL 15/16" (24mm) EXPOSED TEE GRID	NON-RATED CORRIDOR CEILING. TILE AND GRID TO BE WHITE.	
ACT-5	ACOUSTICAL CEILING TILE	ARMSTRONG	DUNE SECOND LOOK NO. 272 - 24" x 48" (610mm x 1219mm) TILE, ON ARMSTRONG PRELUDE 15/16" XL EXPOSED TEE SUSPENSION SYSTEM	SALES AREA CEILINGS. TILE AND GRID TO BE WHITE.	

GROUTS/SEALANTS					
S-2	ADHESIVE	G.E.	1200 SERIES SILICONE - CLEAR	FOR USE WITH MT-2, MT-4, MT-5, MT-6, MT-7, MT-8, MT-10, MT-11 AND MT-12. APPLY PER MANUFACTURERS RECOMMENDATION.	
S-90	GROUT	CUSTOM BUILDING PRODUCTS	#145 LIGHT SMOKE	FOR USE W/FC-90, UNSAUNDED. TO BE INSTALLED W/MIN. GROUT LINES EXPOSED - 1/16" (2mm) MAX. USE DISTILLED WATER TO MIX GROUT	

SPECIAL FINISHES					
PL-1	PLASTIC LAMINATE	FORMICA	NO. 983-58 "MISSION WHITE" MATTE	BREAK BAR	
SF-1	F.R.P.	BID	1/4" (6mm) FIBER REINFORCED POLYESTER PANELING WITH CORNER & J MOLDINGS AS REQUIRED, COLOR: WHITE	ALL EXPOSED NON-SALES WALLS, TOILET ROOM, HALLWAY. REFER TO FINISH PLAN.	
SF-4	GLAZING FILM	3M	SCOTCHCAL SERIES 210 - NO. 210-324 "FROSTED CRYSTAL"	APPLY FILM TO EXTERIOR SIDE OF TRANSOM GLASS PRIOR TO GLASS INSTALLATION	
SF-6	MALL-MATCH FLOORING	TO MATCH MALL SPECIFICATION	TO MATCH MALL STANDARD	TO MATCH MALL STANDARD; FROM LEASE LINE TO CLOSURE LINE	
SF-9	GLAZING FILM	3M	CONTROL TAC PLUS GRAPHIC FILM SERIES 180. COLOR: SCOTCHCAL WHITE #RG3630-20	SPANDREL GLASS; FOR LOCATIONS WHERE STRUCTURAL FRAMING IS RIGHT BEHIND GLASS	
SF-17	GLAZING FILM	3M	SUN CONTROL WINDOW FILM - PRESTIGE 70 INTERIOR	EXTERIOR STOREFRONT CONDITIONS (INCLUDING DOORS)	
SF-21	GLAZING FILM	RUGGLES	GINGHAM GRAPHIC FILM	STOREFRONT GINGHAM FILM	
SF-22	GLAZING FILM	RUGGLES	GINGHAM GRAPHIC FILM (OPAQUE) - TWO LAYER SYSTEM; FIRST LAYER ON GLASS PRINTED GINGHAM, SECOND LAYER OPAQUE WHITE	EXTERIOR CONDITIONS WHEN BACK-LIT GINGHAM IS NOT ALLOWED (DOMESTIC ONLY) - REFER TO A08-XX SERIES SHEETS FOR SCALE AND SIZE	

PAINT FINISHES					
PT-18	PAINT	SHERWIN WILLIAMS	DURATION SATIN LATEX (A9740255) "EXTRA WHITE" DURATION FLAT LATEX (A9640261) "EXTRA WHITE"	SATIN: WALLS, DOORS (HOLLOW METAL & WOOD), BASE & TRIMS FLAT: CEILINGS & CROWN	
PT-19	PAINT	SHERWIN WILLIAMS	DURATION SATIN LATEX (A9740255) "IT'S ALL ABOUT THE BLUE"	SATIN: WALLS, DOORS (HOLLOW METAL & WOOD), BASE & TRIMS FLAT: N/A	
PT-20	PAINT	SHERWIN WILLIAMS	EMERALD FLAT LATEX (K85T00954) "DAY BLUE" * REFER TO PAINT PROCUREMENT INSTRUCTIONS ON S/A003.3 *	FLAT: CEILINGS & CEILING ACCESSORIES (PRIME CEILING WITH SPEC-PRO LEVEL-FIVE, L5-5, SMOOTH DRYWALL PRIMER/SURFACER) (USE A BONDING PRIMER FOR METAL CEILING ACCESSORIES W/ A SHEEN).	
PT-91	PAINT	BENJAMIN MOORE	NO. AF-5 FROSTINE (AFFINITY COLORS)	SATIN FINISH AT WALLS, FLAT AT CEILING, SEMI-GLOSS AT TRIM/BASE	
PT-92	PAINT	SHERWIN WILLIAMS	5N 6258 - "TRICORN BLACK"	SATIN FINISH AT WALLS AND DOORS; FLAT AT CEILING, SEMI-GLOSS AT TRIM/BASE	
PT-94	PAINT	SHERWIN WILLIAMS	5N 7068 - "GRIZZLE GRAY"	CLG & WALLS (BEHIND WALLCOVERING): 522 AURA MATTE, (PRIME CLG W/SPEC-PRO LEVEL-FIVE, L5-5, SMOOTH DRYWALL PRIMER/SURFACER) DOORS: 524 AURA EGGSHELL, TRIMS: 526 AURA SATIN	
PT-95	PAINT	SHERWIN WILLIAMS	5N 7010 - "WHITE DUCK"	SATIN FINISH AT WALLS, FLAT AT CEILING, SEMI-GLOSS AT TRIM/BASE	

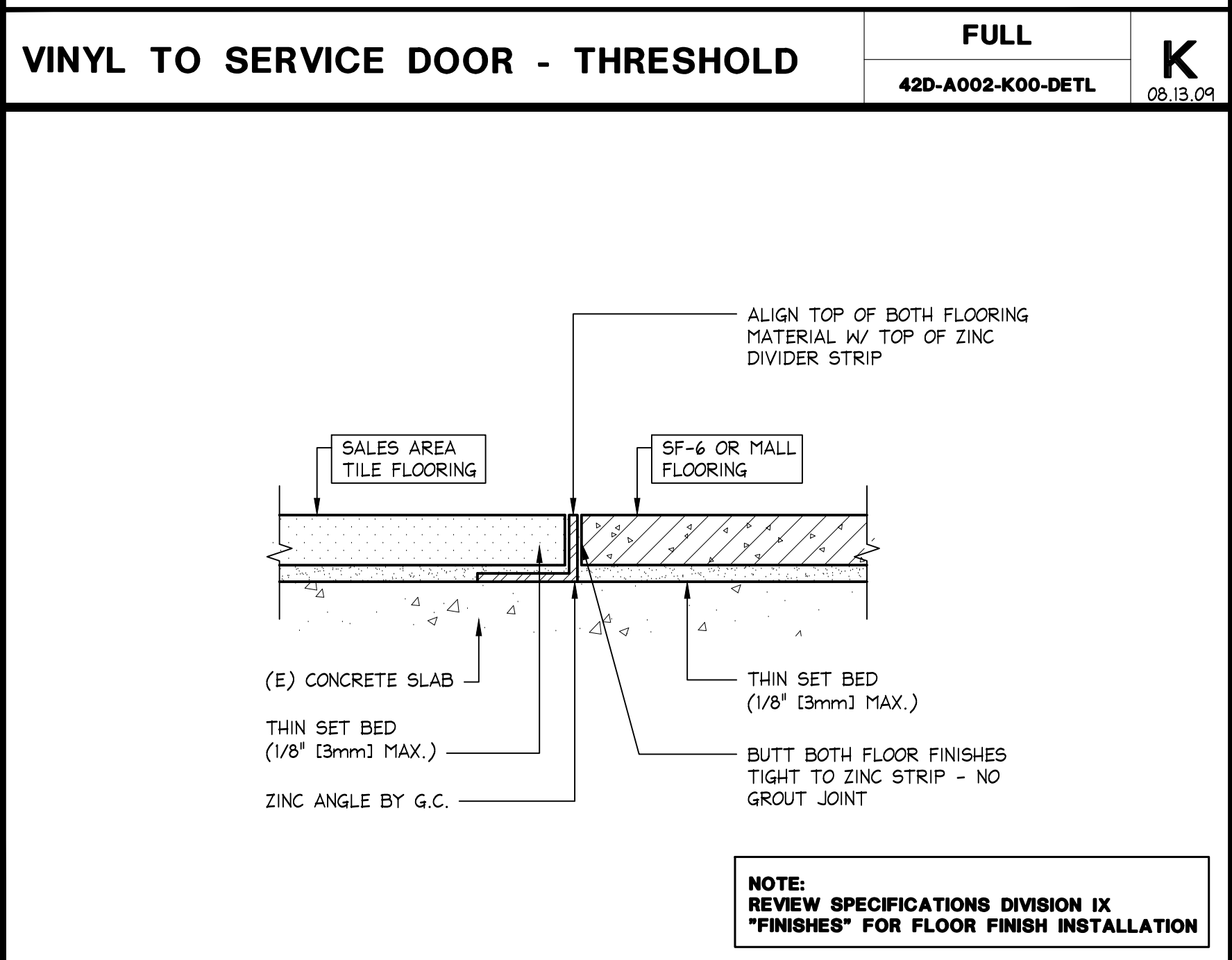
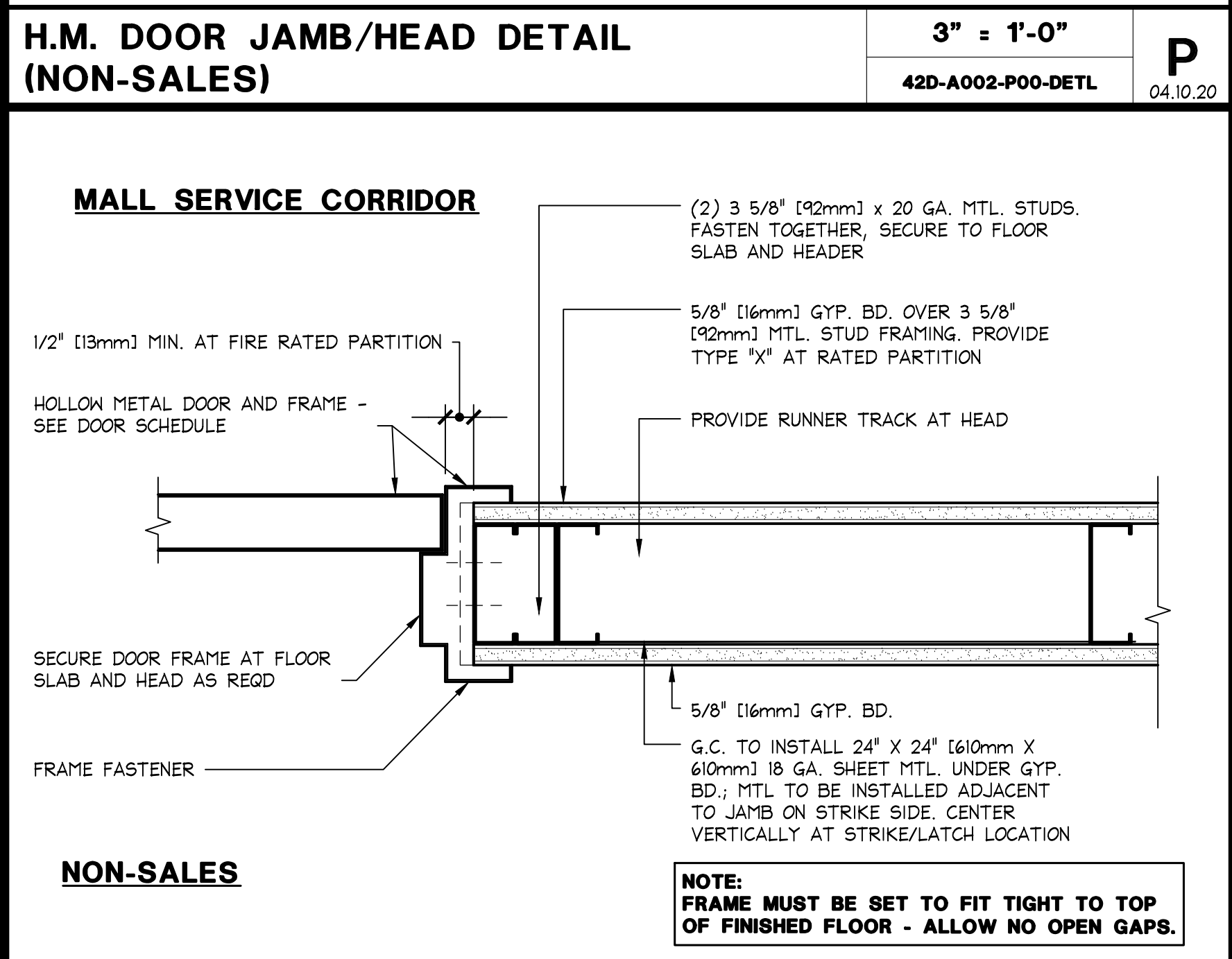
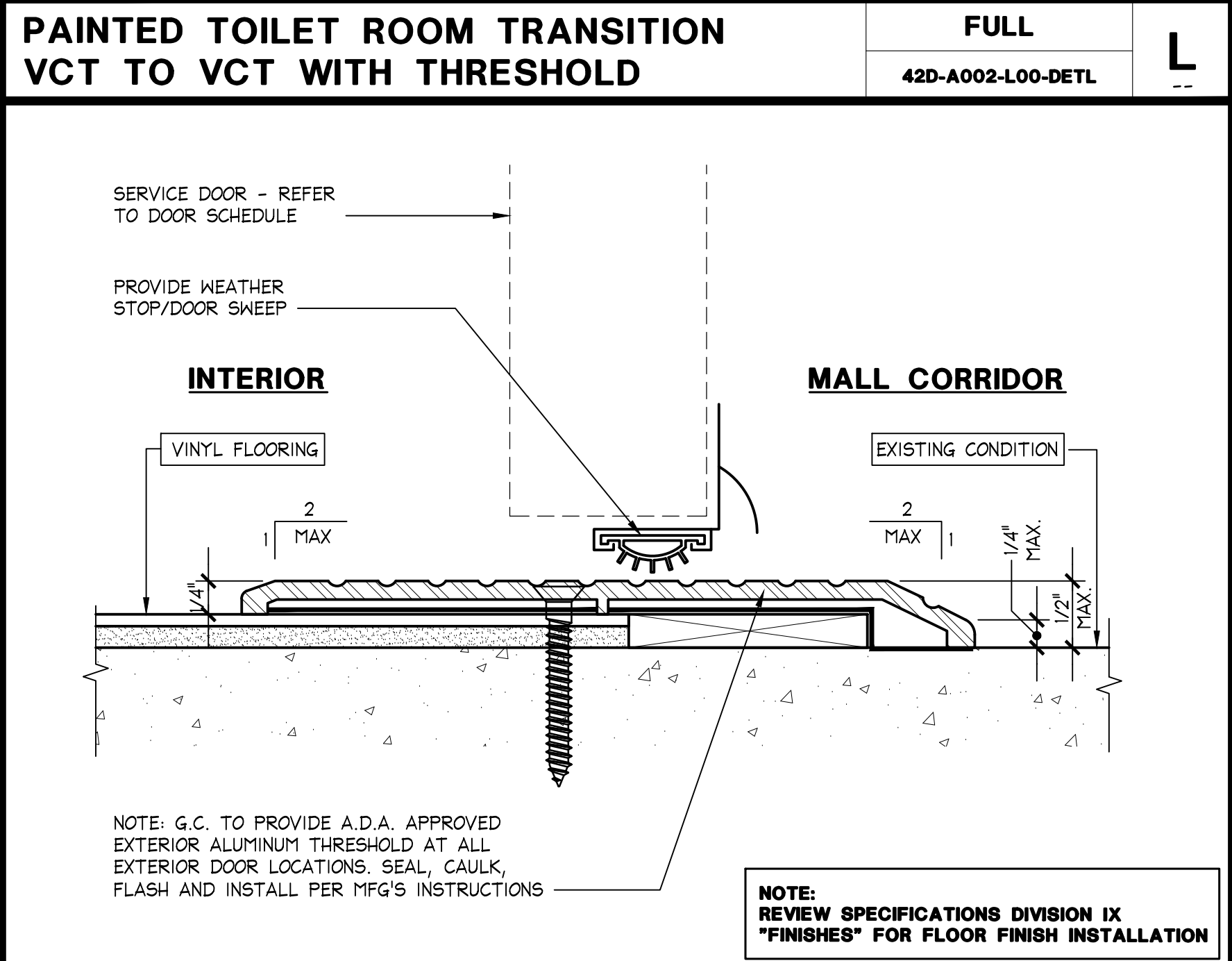
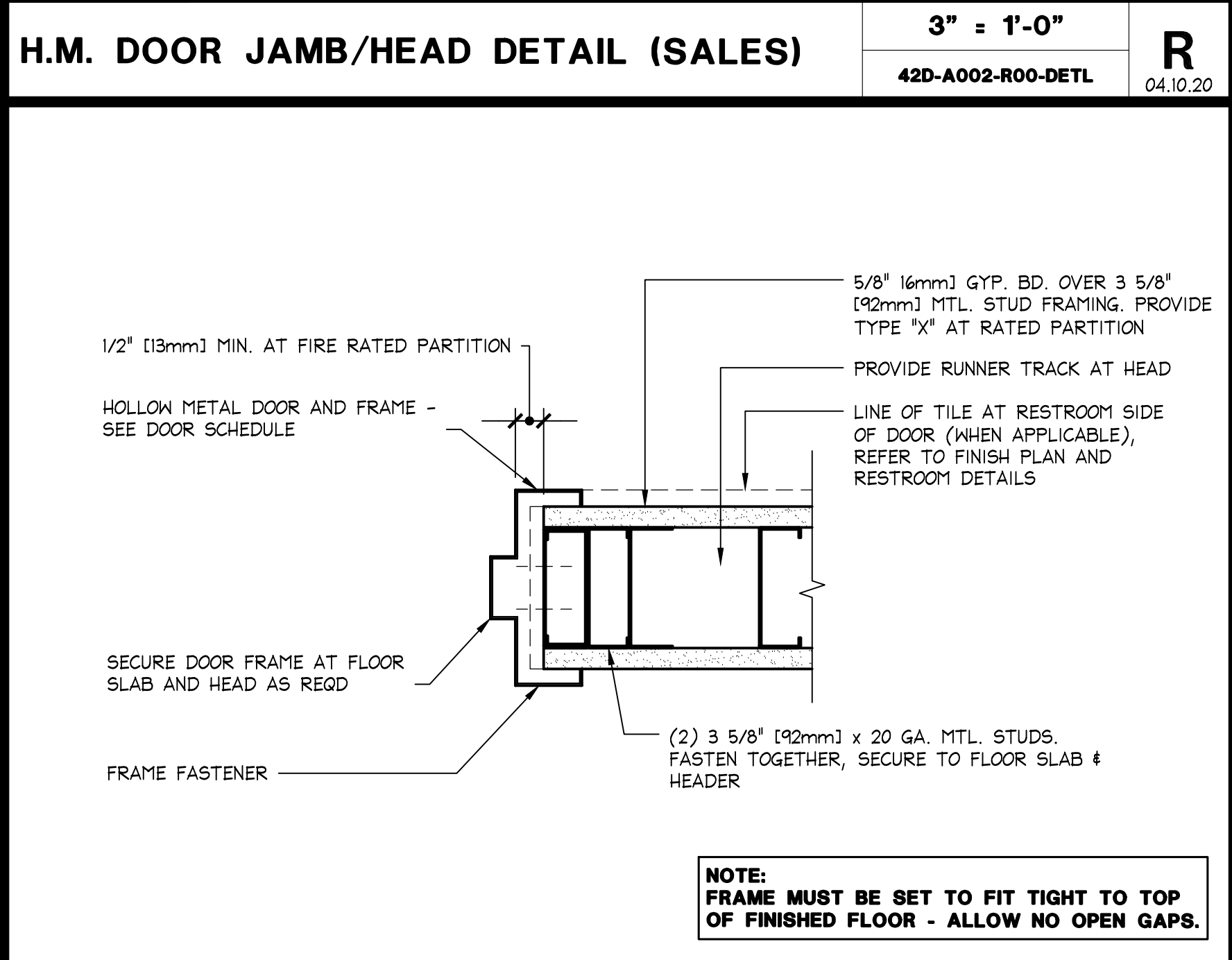
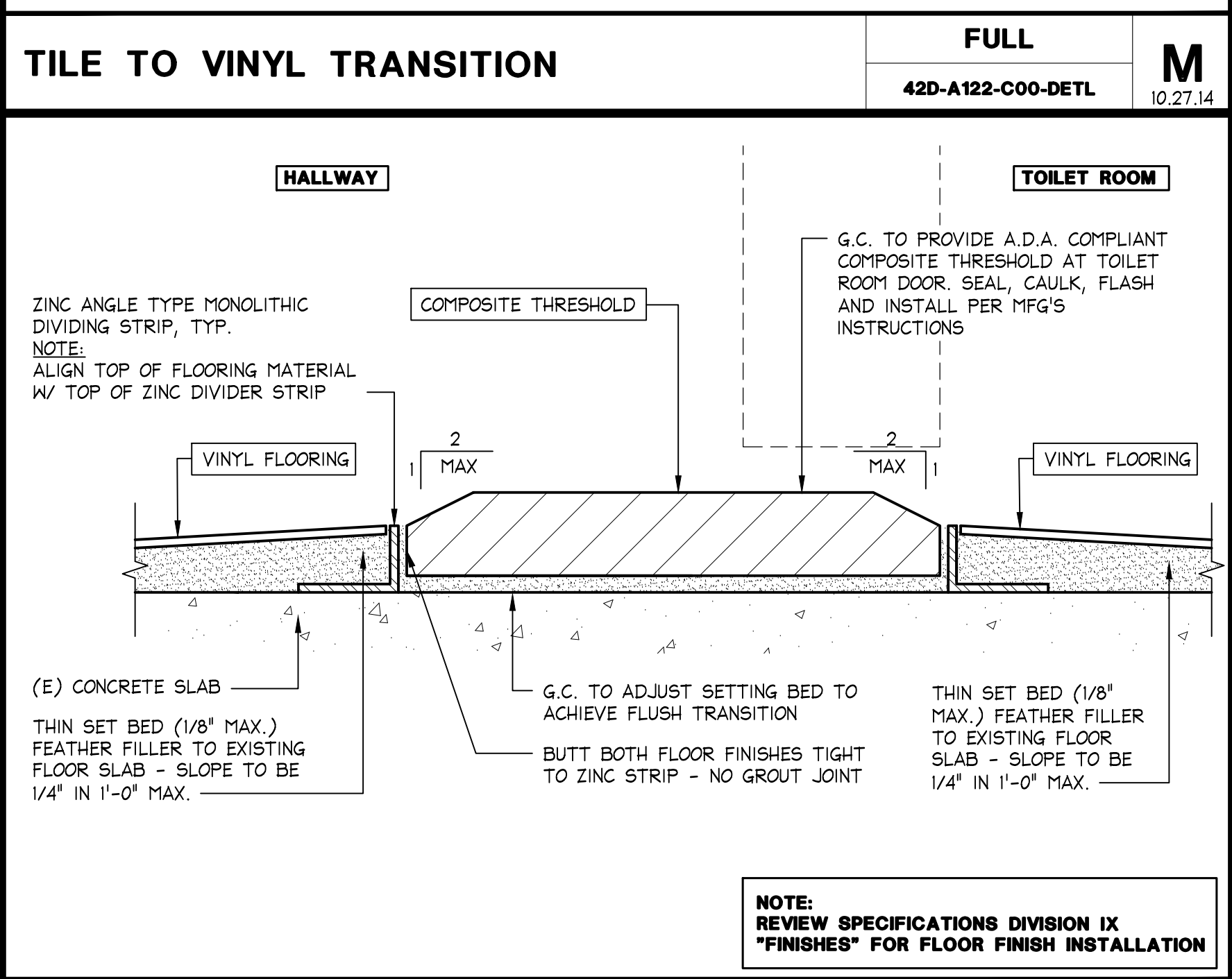
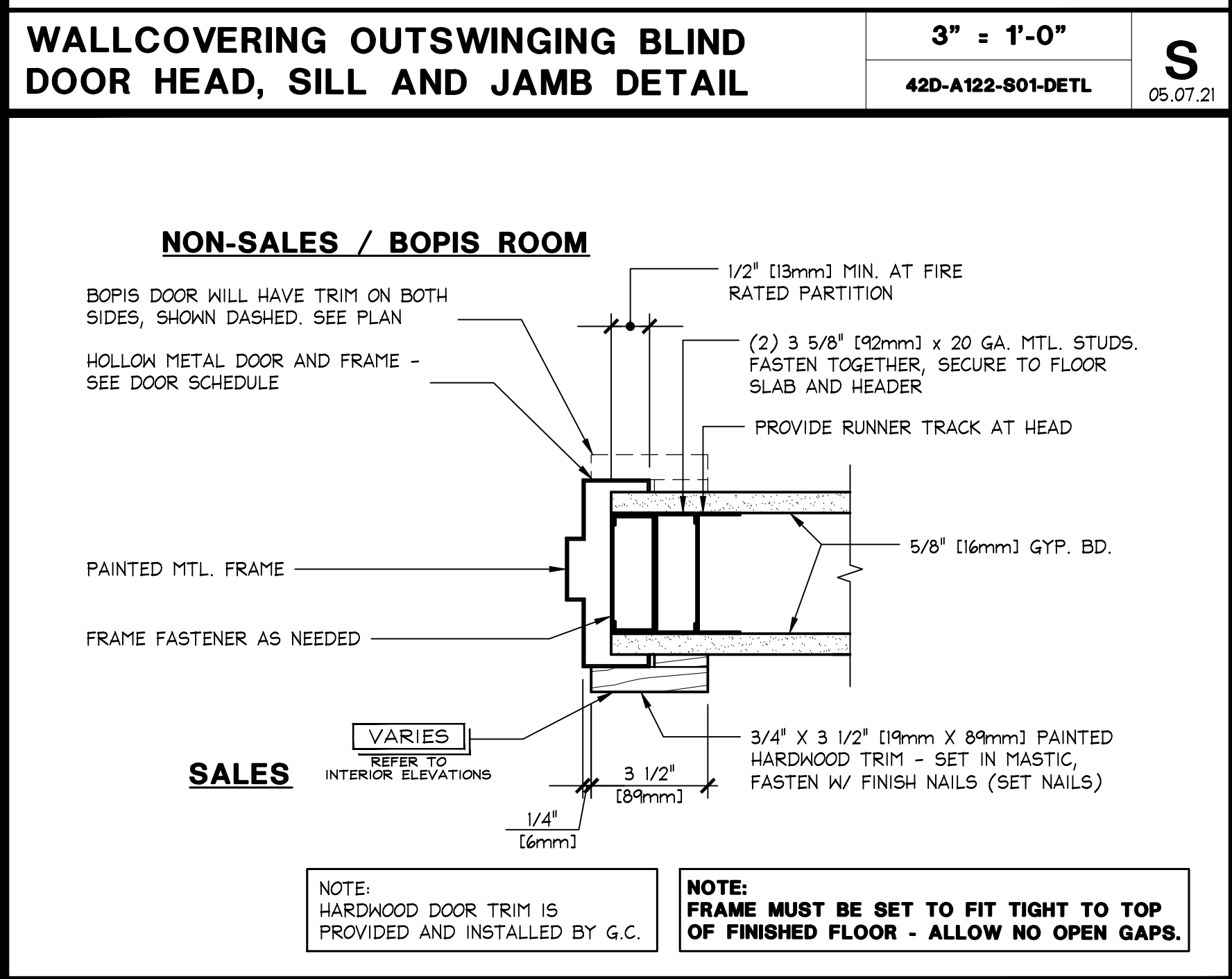
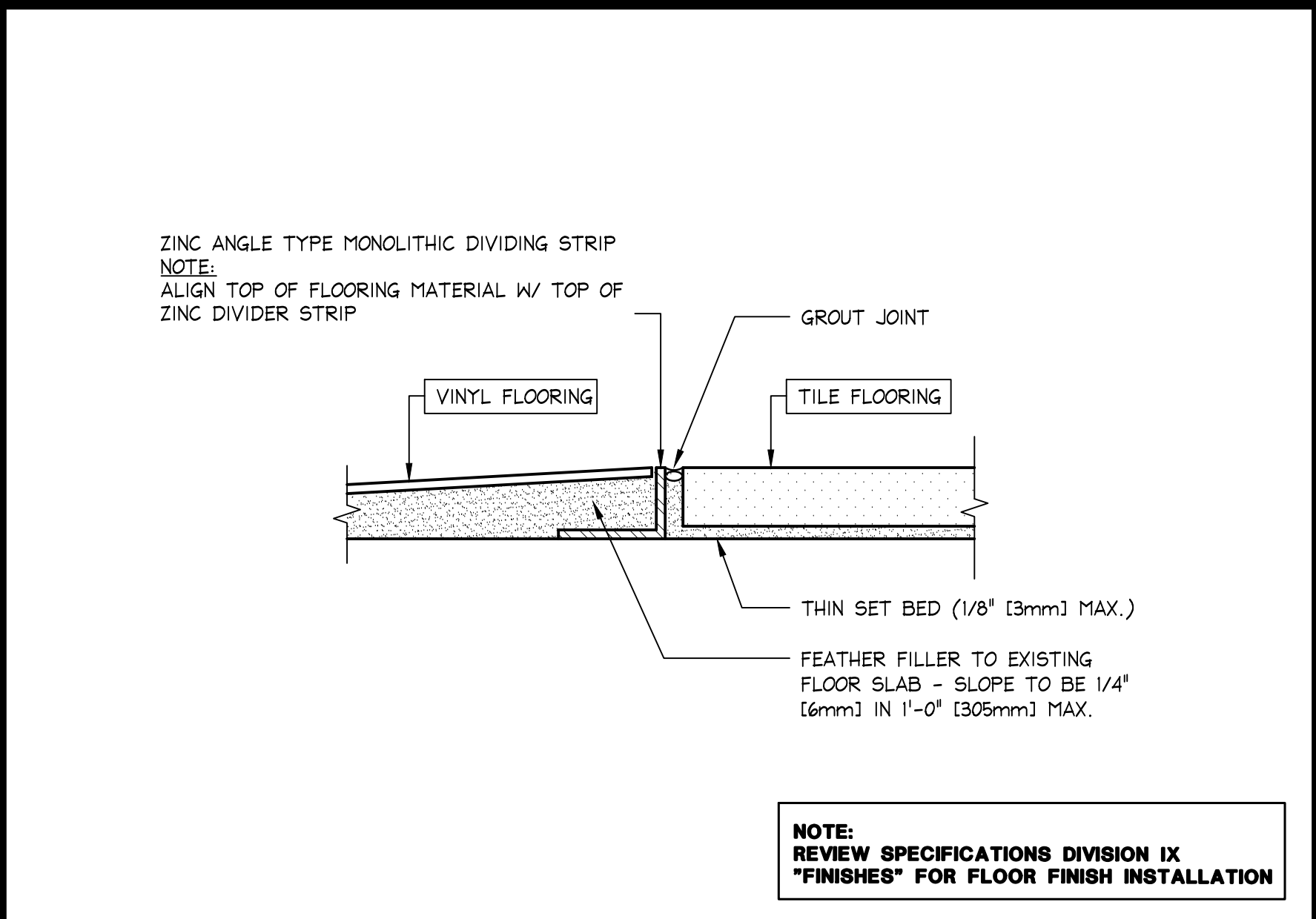
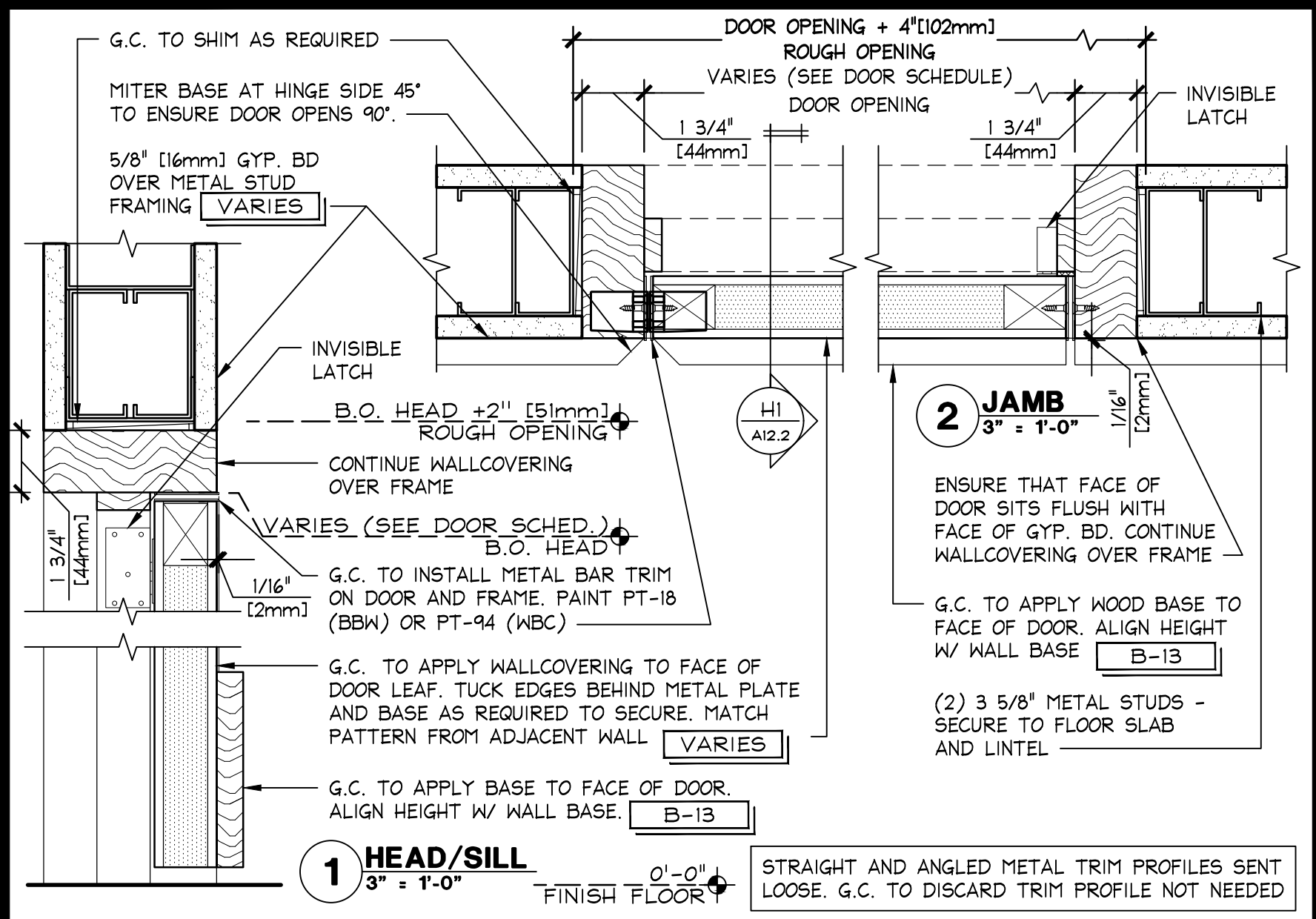
WALL COVERINGS					
MT-4	METAL PANELS	DIGICO	GINGHAM PATTERN PRINTED ON ALUCOBOND PANEL - 3mm THICK	STOREFRONT METAL GINGHAM PANELS	
MT-6	METAL CORNER GUARDS	LAMBERT	3/4" X 3/4" X 38 3/4" (19mm x 19mm x 984mm) METAL ANGLE - FINISH: MATCH PT-18	GLUE DOWN METHOD SALES AREA CORNERS, REFER TO FINISH PLAN FOR LOCATIONS	
MT-7	METAL CORNER GUARDS	LAMBERT	3/4" X 3/4" X 38 3/4" (19mm x 19mm x 984mm) METAL ANGLE - FINISH: MATCH PT-19	GLUE DOWN METHOD SALES AREA CORNERS, REFER TO FINISH PLAN FOR LOCATIONS	
MT-12	ACM PANELS	DIGICO	BLUE (TO MATCH PT-19) - 1/8" (3mm) THICK	STOREFRONT METAL TRIMS AND PANELS	
MT-13	METAL PANELS/TRIMS	DIGICO	"OFF-WHITE" - THICKNESS VARIES	STOREFRONT METAL TRIMS AND PANELS	
MT-97	METAL CORNER GUARDS	LAMBERT	3/4" X 3/4" X 42" (19mm x 19mm x 1067mm) METAL ANGLE - FINISH: MATCH PT-94	GLUE DOWN METHOD	
MT-101	METAL CORNER GUARDS	LAMBERT	3/4" X 3/4" X 42" (19mm x 19mm x 1067mm) 90 DEGREE ANGLE - FINISH: WHITE DUCK	GLUE DOWN METHOD	
MT-102	METAL CORNER GUARDS	LAMBERT	3/4" X 3/4" X 42" (19mm x 19mm x 1067mm) 65 DEGREE ANGLE - FINISH: WHITE DUCK	GLUE DOWN METHOD	
MT-103	METAL CORNER GUARDS	LAMBERT	3/4" X 3/4" X 42" (19mm x 19mm x 1067mm) 115 DEGREE ANGLE - FINISH: WHITE DUCK	GLUE DOWN METHOD	
WCP-95	WALLCOVERING	HALLMICA	NATURAL SILICA MICA WALLCOVERING FINISH: "SEPIA QUARTZ" MR-SK-1607	BACKWRAP WITH ARMOIRES BEHIND VIDEO /LB FRAME	
WCP-T88B	WALL COVERING	AFROPOS	PLANKING AND 12" (305mm) GINGHAM WALLCOVERING - BLUE STRIPE AT CEILING, THINNER SUBSTRATE	WALLS TO BE PRIMED, PAINTED PT-18 AND SIZING APPLIED PRIOR TO WALL COVERING INSTALLATION.	
WCP-T108	WALL COVERING	AFROPOS	PLANKING AND 10" (254mm) GINGHAM WALLCOVERING - BLUE STRIPE AT CEILING, THINNER SUBSTRATE	WALLS TO BE PRIMED, PAINTED PT-18 AND SIZING APPLIED PRIOR TO WALL COVERING INSTALLATION.	
WCP-T109	WALL COVERING	AFROPOS	PLANKING AND 10" (254mm) GINGHAM WALLCOVERING - WHITE STRIPE AT CEILING, THINNER SUBSTRATE	WALLS TO BE PRIMED, PAINTED PT-18 AND SIZING APPLIED PRIOR TO WALL COVERING INSTALLATION.	
WCP-T128	WALL COVERING	AFROPOS	PLANKING AND 12" (305mm) GINGHAM WALLCOVERING - BLUE STRIPE AT CEILING, THINNER SUBSTRATE	WALLS TO BE PRIMED, PAINTED PT-18 AND SIZING APPLIED PRIOR TO WALL COVERING INSTALLATION.	
WCP-T129	WALL COVERING	AFROPOS	PLANKING AND 12" (305mm) GINGHAM WALLCOVERING - WHITE STRIPE AT CEILING, THINNER SUBSTRATE	WALLS TO BE PRIMED, PAINTED PT-18 AND SIZING APPLIED PRIOR TO WALL COVERING INSTALLATION.	
WCP-T129A	WALL COVERING	AFROPOS	13'-0" (3962mm) HEIGHT PLANKING AND 12" (305mm) GINGHAM WALLCOVERING - WHITE STRIPE AT CEILING, THINNER SUBSTRATE	WALLS TO BE PRIMED, PAINTED PT-18 AND SIZING APPLIED PRIOR TO WALL COVERING INSTALLATION.	
WCP-TBL	WALL COVERING	AFROPOS	BLUE PLANKING WALLCOVERING, THIN SUBSTRATE	3 PANEL REPEAT; WALLS TO BE PRIMED, PAINTED PT-18 AND SIZING APPLIED PRIOR TO WALL COVERING INSTALLATION.	
WCP-TW4	WALL COVERING	AFROPOS	FULL HEIGHT WHITE PLANKING WALLCOVERING, THINNER SUBSTRATE	3 PANEL REPEAT; WALLS TO BE PRIMED, PAINTED PT-18 AND SIZING APPLIED PRIOR TO WALL COVERING INSTALLATION.	
WCSF-T93	WALL COVERING	AFROPOS	PLASTER FINISH WALLCOVERING (10'-8 1/4"), WITH SEALANT, THIN SUBSTRATE	4 PANEL REPEAT; WALLS TO BE PRIMED, PAINTED PT-94 (522 AURA MATTE) AND SIZING APPLIED PRIOR TO WALL COVERING INSTALLATION.	
WCSF-T91	WALL COVERING	AFROPOS	WB BLACK PLANK WALLCOVERING, THINNER SUBSTRATE	3 PANEL REPEAT; WALLS TO BE PRIMED, PAINTED PT-92 (522 AURA MATTE) & SIZING APPLIED PRIOR TO WALLCOVERING INSTALLATION	
WCSF-T94	WALL COVERING	AFROPOS	FROSTLINE WHITE PLANK WALLCOVERING, THINNER SUBSTRATE	3 PANEL REPEAT; WALLS TO BE PRIMED, PAINTED PT-91 (522 AURA MATTE) & SIZING APPLIED PRIOR TO WALLCOVERING INSTALLATION	
WCSF-T96	WALL COVERING	AFROPOS	WHITE SOLID WHITE PINE WALLCOVERING VERSION, THINNER SUBSTRATE	3 PANEL REPEAT; WALLS TO BE PRIMED, PAINTED PT-91 (522 AURA MATTE) & SIZING APPLIED PRIOR TO WALLCOVERING INSTALLATION	

GLASS					
G-3	INSULATED STOREFRONT GLASS	BID	1' (25mm) CLEAR INSULATED TEMPERED GLASS	EXTERIOR STOREFRONT CONDITIONS, SF-17 UNLESS OTHERWISE NOTED	
G-4	STOREFRONT GLASS	BID	1/2" (13mm) CLEAR TEMPERED GLASS	AT STOREFRONT DISPLAY WINDOWS, FRAMELESS DOORS & SIDELITES	

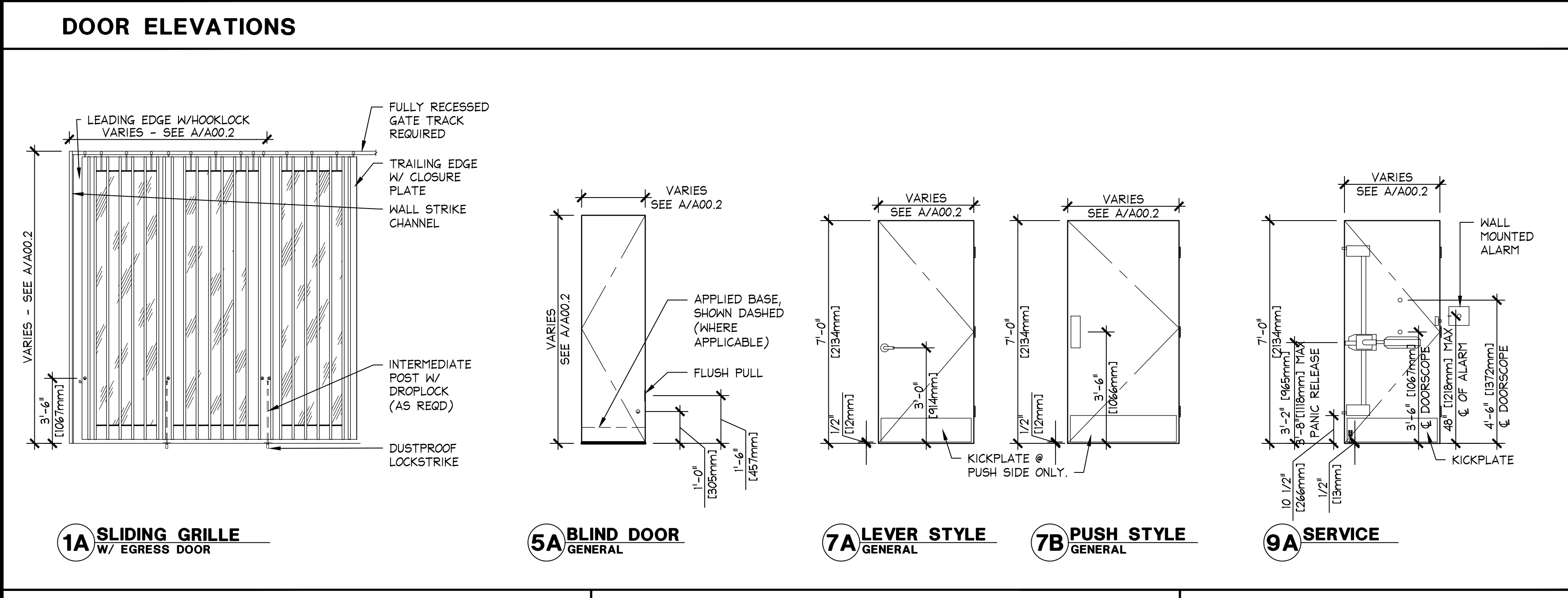
DEMOLITION					
DEMOLITION					
TEMPORARY POWER					
TEMPORARY LIGHTING					
DUMPSITE					
CONSTRUCTION WINDOW PAPER					VERIFY WITH LANDLORD
BARRICADE CONSTRUCTION & PAINTING					
BARRICADE GRAPHICS (TENANT)					PER OWNER'S SPECIFICATIONS
ACM GRAPHICS PANEL (TENANT)					EXTERIOR BARRICADES
BARRICADE GRAPHICS (MALL)					PER LANDLORD'S SPECIFICATIONS

RESPONSIBILITY SCHEDULE					
ANNOTATIONS:	O: OWNER	G: GENERAL CONTRACTOR	L: LANDLORD	FULL	J

FINISH LEGEND					

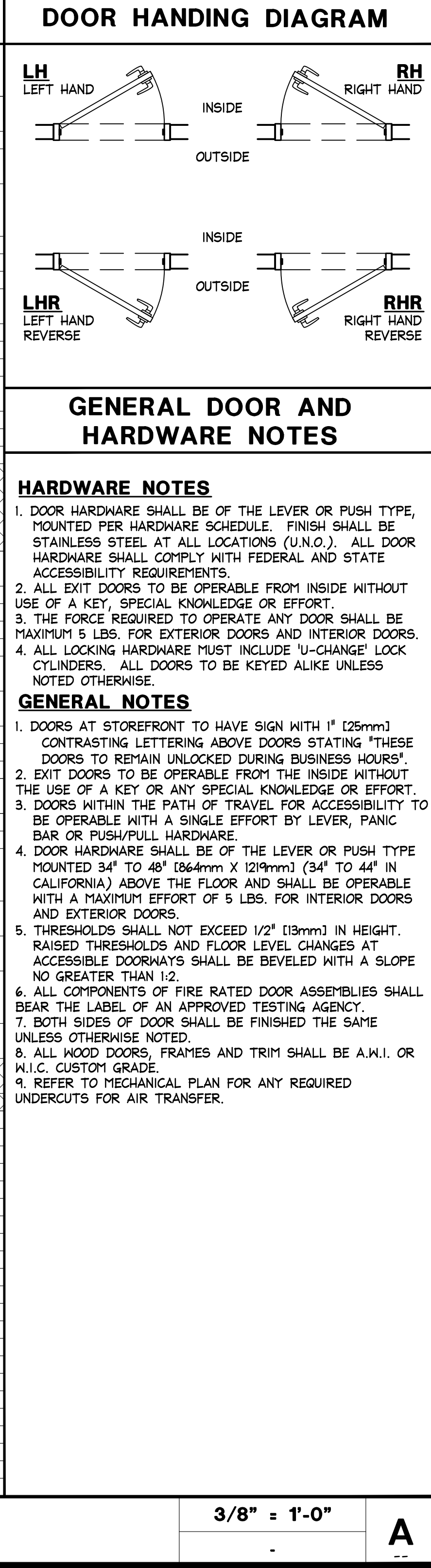


QTY	NUMBER	LOCATION	SIZE	MATERIAL	FINISH	FIRE RAT'G	HDW GROUP	ELEV	DETAIL NUMBER			NOTES	
									HEAD	JAMB	SILL		
1	(1A)	BBW SLIDING GRILLE	28" - 1 1/2" x 9'-1" (857mm x 2769mm)	LEAF: METAL FRAME: N/A	CLEAR ANODIZED *	NONE	A6	1A	A	A08.6	J	A00.2	
1	(2A)	OUTSWINGING BLIND DOOR	2'-8" x 7'-0" x 1 3/4" (793mm x 2134mm x 44mm)	LEAF: WOOD FRAME: WOOD	WC-T93	---	G4	5A	SI	A00.2	SI	A00.2	
1	(4B)	WBC H.M. SALES/NON-SALES	3'-0" x 7'-0" x 1 3/4" (914mm x 2134mm x 44mm)	LEAF: H.M. FRAME: H.M.	SALES SIDE: PT-92 HALLWAY SIDE: PT-18	---	WB2	7B	R	A00.2	R	A00.2	
1	(4C)	FRP PUBLIC HALLWAY/NON-SALES	3'-0" x 7'-0" x 1 3/4" (914mm x 2134mm x 44mm)	LEAF: H.M. FRAME: H.M.	PT-18	---	B2	7A	P	A00.2	P	A00.2	
1	(6A)	TOILET ROOM	3'-0" x 7'-0" x 1 3/4" (914mm x 2134mm x 44mm)	LEAF: H.M. FRAME: H.M.	PT-18	---	C1	7A	P	A00.2	P	A00.2	
1	(7A)	(E) REAR SERVICE	3'-6" x 7'-0" x 1 3/4" (1067mm x 2134mm x 44mm)	LEAF: (E) H.M. FRAME: (E) H.M.	NON-SALES: PT-18 MALL CORRIDOR: MATCH (E)	---	F1 (A)	9A	N	A00.2	N	A00.2	REPLACE LOCKSET HARDWARE
1	(7C)	REAR SERVICE	3'-6" x 7'-0" x 1 3/4" (1067mm x 2134mm x 44mm)	LEAF: H.M. FRAME: H.M.	HALLWAY: PT-18 CORRIDOR: MATCH (E)	---	F1 (B)	9A	N	A00.2	N	A00.2	



QTY	ITEM	FURN	O	GC	INST	O	GC	E	QTY	ITEM	FURN	O	GC	INST	O	GC	E	
																		GROUP
GROUP A6: SLIDING GRILLE																		
1	DAENDOR - MODEL 'SUPRA', CLEAR ANODIZED								1	DOOR LEAF AND FRAME								
1	LEAD POST - COMPLETE WITH TOP & BOTTOM LOCKING BOLTS & SECURITY FLAP								3	HINGES: (W/ SECURITY STUDS) IVES 5BBI-SH 4 1/2" (114mm) X 4 1/2" (114mm) US32D (EXT. LOCATION) US26D (INT. LOCATION)								
1	END STOP - COMPLETE WITH TOP & BOTTOM LOCKING BOLTS								1	TRIDENT TEL-210-KLT. (MOUNT AT 38" (965mm) A.F.F. (44" (1118mm) A.F.F. MAX.))								
1	TRIDENT TEL-210-KLT. (MOUNT AT 38" (965mm) A.F.F. (44" (1118mm) A.F.F. MAX.))								1	U-CHANGE LOCK CYLINDER 3180A102 W/KEY AND CHANGE TOOL								
1	U-CHANGE LOCK CYLINDER 316FOA1D2 W/KEY AND CHANGE TOOL								1	U-CHANGE LOCK CYLINDER 316FOA1D2 W/KEY AND CHANGE TOOL								
1	CORBIN RUSSWIN DC3210 FINISH: 689								1	CORBIN RUSSWIN DC3210 FINISH: 689								
1	KICKPLATE: IVES 8400 10" (254mm) X DOOR WIDTH MINUS 2" (51mm) US26D								1	KICKPLATE: IVES 8400 10" (254mm) X DOOR WIDTH MINUS 2" (51mm) US26D								
1	CODE SIGNAGE: SEE GENERAL NOTE '1'								1	CODE SIGNAGE: SEE GENERAL NOTE '1'								
GROUP B2: BBW H.M. FRP PUBLIC HALLWAY/NON-SALES DOOR																		
1	DOOR LEAF AND FRAME								1	DOOR LEAF AND FRAME								
1	HINGES: STANLEY CB179 4 1/2" (114mm) X 4 1/2" (114mm) US26D								4	HINGES: SOSS HINGE - #218 - USIS SATIN NICKEL								
1	LATCHSET: U-CHANGE HELIX2850293 STOREROOM FUNCTION WITH NEOPRETE STYLE LEVER AND 625 BRIGHT CHROME FINISH (SPECIFY DOOR HANDING WHEN ORDERING) PHONE: (888)541-1300, *TEAM FOXTRT*								1	LATCHSET: U-CHANGE HELIX2850293 STOREROOM FUNCTION WITH NEOPRETE STYLE LEVER AND 625 BRIGHT CHROME FINISH (SPECIFY DOOR HANDING WHEN ORDERING) PHONE: (888)541-1300, *TEAM FOXTRT*								
1	CLOSER: CORBIN RUSSWIN DC3200 / DC3210 (MOUNT ON NON-SALES SIDE) FINISH: 689								1	CLOSER: CORBIN RUSSWIN DC3200 / DC3210 (MOUNT ON NON-SALES SIDE) FINISH: 689								
1	KICKPLATE: IVES 8400 COUNTER SUNK MOUNTING HOLES ORDERING SIZE = DOOR WIDTH MINUS 2" X 8 1/4" FINISH: US32D SATIN STAINLESS STEEL								1	KICKPLATE: IVES 8400 COUNTER SUNK MOUNTING HOLES ORDERING SIZE = DOOR WIDTH MINUS 2" X 8 1/4" FINISH: US32D SATIN STAINLESS STEEL								
1	FLOOR STOP AND HOLDER: (AT NON-RATED DOORS) IVES FS446-US26D								1	FLOOR STOP AND HOLDER: (AT NON-RATED DOORS) IVES FS446-US26D								
1	SMOKE SEAL: (AT RATED DOORS) PEMKO 888BL (COLOR: BLACK)								1	SMOKE SEAL: (AT RATED DOORS) PEMKO 888BL (COLOR: BLACK)								
GROUP C1: BBW PAINTED TOILET ROOM DOOR																		
1	DOOR LEAF AND FRAME								1	DOOR LEAF AND FRAME								
1	HINGES: STANLEY CB179 4 1/2" (114mm) X 4 1/2" (114mm) US26D								3	HINGES: STANLEY CB179 4 1/2" (114mm) X 4 1/2" (114mm) US26D								
1	LATCHSET: CORBIN RUSSWIN CL3320-IND-426 PRIVACY FUNCTION KICKPLATE: IVES 8400 COUNTER SUNK MOUNTING HOLES ORDERING SIZE = DOOR WIDTH MINUS 2", 8" H FINISH: US32D SATIN STAINLESS STEEL								1	LATCHSET: CORBIN RUSSWIN CL3320-IND-426 PRIVACY FUNCTION KICKPLATE: IVES 8400 COUNTER SUNK MOUNTING HOLES ORDERING SIZE = DOOR WIDTH MINUS 2", 8" H FINISH: US32D SATIN STAINLESS STEEL								
1	WALL STOP: IVES WS402CCV US26D								1	WALL STOP: IVES WS402CCV US26D								
1	HOOKS: GANCO #76727 (1) CENTERED ON LAV. SIDE OF DOOR @ 27" (686mm) A.F.F. (1) ON WALL @ 44" SEE A13								1	HOOKS: GANCO #76727 (1) CENTERED ON LAV. SIDE OF DOOR @ 27" (686mm) A.F.F. (1) ON WALL @ 44" SEE A13								
1	CLOSER: CORBIN RUSSWIN DC3200 / DC3210 (MOUNT ON TOILET ROOM SIDE) FINISH: 689								1	CLOSER: CORBIN RUSSWIN DC3200 / DC3210 (MOUNT ON TOILET ROOM SIDE) FINISH: 689								
1	SMOKE SEAL: (AT RATED DOORS) PEMKO 888BL (COLOR: BLACK)								1	SMOKE SEAL: (AT RATED DOORS) PEMKO 888BL (COLOR: BLACK)								
GROUP F1 (A): REAR SERVICE																		
1	DOOR LEAF AND FRAME								1	DOOR LEAF AND FRAME								
1	HINGES: (W/ SECURITY STUDS) IVES 5BBI-SH 4 1/2" (114mm) X 4 1/2" (114mm) US32D (EXT. LOCATION) US26D (INT. LOCATION)								3	HINGES: (W/ SECURITY STUDS) IVES 5BBI-SH 4 1/2" (114mm) X 4 1/2" (114mm) US32D (EXT. LOCATION) US26D (INT. LOCATION)								
1	TRIDENT TEL-210-KLT. (MOUNT AT 38" (965mm) A.F.F. (44" (1118mm) A.F.F. MAX.))								1	TRIDENT TEL-210-KLT. (MOUNT AT 38" (965mm) A.F.F. (44" (1118mm) A.F.F. MAX.))								
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1	U-CHANGE LOCK CYLINDER 316FOA1D2 W/KEY AND CHANGE TOOL								1	U-CHANGE LOCK CYLINDER 316FOA1D2 W/KEY AND CHANGE TOOL								
1	CORBIN RUSSWIN DC3210 FINISH: 689								1	CORBIN RUSSWIN DC3210 FINISH: 689								
1	KICKPLATE: IVES 8400 10" (254mm) X DOOR WIDTH MINUS 2" (51mm) US26D								1	KICKPLATE: IVES 8400 10" (254mm) X DOOR WIDTH MINUS 2" (51mm) US26D								
1	VIENER: IVES V698-B26D CENTERED ON DOOR AT 54" AND 42"								1	VIENER: IVES V698-B26D CENTERED ON DOOR AT 54" AND 42"								
1	LOCK GUARD: IVES LGI US32D								1	LOCK GUARD: IVES LGI US32D								
1	DOOR SWEEP (AT EXTERIOR LOCATION) PEMKO 216AV								1	DOOR SWEEP (AT EXTERIOR LOCATION) PEMKO 216AV								
1	DOOR SEAL (AT EXTERIOR OR RATED DOORS) PEMKO 888BL (COLOR: BLACK)								1	DOOR SEAL (AT EXTERIOR OR RATED DOORS) PEMKO 888BL (COLOR: BLACK)								
1	THRESHOLD: (AT EXTERIOR LOCATION) PEMKO 270A								1	THRESHOLD: (AT EXTERIOR LOCATION) PEMKO 270A								
1	DOOR CONTACT: (AT EXT. LOCATION)								1	DOOR CONTACT: (AT EXT. LOCATION)								
1	SIGN PLAQUE								1	SIGN PLAQUE								
NOTE: AT EXISTING SERVICE DOORS, PROVIDE AND INSTALL HARDWARE AS NEEDED TO MEET THE ABOVE REQUIREMENTS. ALSO REMOVE AND REPLACE OUTSIDE LEVER/LOCK AND INSTALL BLANK COVER PLATES TO CONCEAL HOLES AND PAINT ENTIRE DOOR PER MALLS REQUIREMENTS. ALL DOORS TO RECEIVE PANIC HARDWARE AS SPECIFIED ABOVE.																		

QTY	ITEM	FURN	O	GC	INST	O	GC	E	QTY	ITEM	FURN	O	GC	INST	O	GC	E	
																		GROUP
GROUP F1 (B): REAR SERVICE																		
1	DOOR LEAF AND FRAME								1	DOOR LEAF AND FRAME								
1	HINGES: (W/ SECURITY STUDS) IVES 5BBI-SH 4 1/2" (114mm) X 4 1/2" (114mm) US32D (EXT. LOCATION) US26D (INT. LOCATION)								3	HINGES: (W/ SECURITY STUDS) IVES 5BBI-SH 4 1/2" (114mm) X 4 1/2" (114mm) US32D (EXT. LOCATION) US26D (INT. LOCATION)								
1	TRIDENT TEL-210-KLT. (MOUNT AT 38" (965mm) A.F.F. (44" (1118mm) A.F.F. MAX.))								1	TRIDENT TEL-210-KLT. (MOUNT AT 38" (965mm) A.F.F. (44" (1118mm) A.F.F. MAX.))								
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1	U-CHANGE LOCK CYLINDER 316FOA1D2 W/KEY AND CHANGE TOOL								1	U-CHANGE LOCK CYLINDER 316FOA1D2 W/KEY AND CHANGE TOOL								
1	CORBIN RUSSWIN DC3210 FINISH: 689								1	CORBIN RUSSWIN DC3210 FINISH: 689								
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1	LOCK GUARD: IVES LGI US32D								1	LOCK GUARD: IVES LGI US32D								
1	DOOR SWEEP (AT EXTERIOR LOCATION) PEMKO 216AV								1	DOOR SWEEP (AT EXTERIOR LOCATION) PEMKO 216AV								
1	DOOR SEAL (AT EXTERIOR OR RATED DOORS) PEMKO 888BL (COLOR: BLACK)								1	DOOR SEAL (AT EXTERIOR OR RATED DOORS) PEMKO 888BL (COLOR: BLACK)								
1	THRESHOLD: (AT EXTERIOR LOCATION) PEMKO 270A								1	THRESHOLD: (AT EXTERIOR LOCATION) PEMKO 270A								
1	DOOR CONTACT: (AT EXT. LOCATION)								1	DOOR CONTACT: (AT EXT. LOCATION)								
1	SIGN PLAQUE								1	SIGN PLAQUE								
NOTE: AT EXISTING SERVICE DOORS, PROVIDE AND INSTALL HARDWARE AS NEEDED TO MEET THE ABOVE REQUIREMENTS. ALSO REMOVE AND REPLACE OUTSIDE LEVER/LOCK AND INSTALL BLANK COVER PLATES TO CONCEAL HOLES AND PAINT ENTIRE DOOR PER MALLS REQUIREMENTS. ALL DOORS TO RECEIVE PANIC HARDWARE AS SPECIFIED ABOVE.																		



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8768 REGISTERED ARCHITECT
11/14/2022
DOUGLAS COOPER
STATE OF WASHINGTON

Bath & Body Works

Three Limited Parkway - Columbus, Ohio 43290
Telephone: 614.415.7000 • Fax: 614.415.7349

PROJECT INFORMATION: 104.01.073

- THIS SECTION IS INCLUDED FOR GENERAL REFERENCE WORK TO BE PERFORMED BY THE GENERAL CONTRACTOR (G.C.), APPLIED AS NEEDED TO STORE. SEE SELECTIVE DEMOLITION IN SPECIFICATIONS.
- G.C. TO REMOVE ALL EXISTING LEASEHOLD IMPROVEMENTS AS REQUIRED TO ACHIEVE LEASE PLAN CONDITION. DEMOLITION INCLUDES, BUT IS NOT LIMITED TO THE REMOVAL OF ALL EXISTING PARTITIONS, CEILINGS, FLOOR COVERINGS, PLATFORMS, DISPLAY SHOW WINDOWS, STOREFRONT (IF APPLICABLE), STOREFRONT SIGNAGE, CABINETS, ETC. UNLESS NOTED OTHERWISE. DEMOLITION ALSO INCLUDES THE REMOVAL OF ALL EXISTING ELECTRICAL, MECHANICAL, AND PLUMBING FIXTURES AND EQUIPMENT, UNLESS NOTED OTHERWISE WITHIN LEASE SPACE AND ON THE ROOF. SEE MEP DRAWINGS FOR SELECTIVE DEMOLITION.
2.a. REMOVAL OF STOREFRONT SIGNAGE IS THE RESPONSIBILITY OF THE G.C. IF STOREFRONT FACADE IS TO REMAIN, G.C. TO PATCH AND REPAIR EXISTING MALL FINISHES TO LIKE NEW CONDITION.
- G.C. TO COORDINATE WITH LANDLORD AND THE OWNERS OF ALL ADJACENT TENANTS A CONVENIENT TIME TO PERFORM DEMOLITION WORK. G.C. IS TO PROVIDE AND INSTALL ALL TEMPORARY MEANS OF EGRESS, TEMPORARY LIGHTING, AND ALL SAFETY DEVICES IN ACCORDANCE WITH STATE AND LOCAL CODES AND LANDLORD REQUIREMENTS.
- DEMOLISH IN AN ORDERLY AND CAREFUL MANNER AS REQUIRED TO ACCOMMODATE NEW WORK, PREVENT MOVEMENT OR SETTLEMENT OF STRUCTURE(S), PROVIDE BRACING OR SHORING AS REQUIRED. G.C. WILL ASSUME LIABILITY FOR SUCH MOVEMENT, SETTLEMENT, DAMAGE OR INJURY.
- G.C. TO EXERCISE EXTREME CARE DURING DEMOLITION AS TO NOT DISRUPT OR DAMAGE ANY EXISTING UTILITIES OR SPRINKLER LINES WHICH SERVICE ADJACENT TENANTS. G.C. WILL BEAR THE SOLE RESPONSIBILITY OF ANY SUCH DISRUPTION OR DAMAGE.
- G.C. TO COORDINATE THE REMOVAL, DISCONNECTION AND/OR CAPPING OF ANY UTILITIES WITH LANDLORD'S FIELD REPRESENTATIVE. ALL ABANDONED ELECTRICAL/TELEPHONE CONDUIT, PLUMBING LINES, DRAIN LINES, AND MECHANICAL DUCTWORK AS THE RESULT OF DEMOLITION SHALL BE REMOVED BACK TO THE LANDLORD'S ORIGINAL POINT. G.C. TO PLACE MARKERS TO INDICATE LOCATION OF DISCONNECTED SERVICES.
- HVAC SUBCONTRACTOR TO INSPECT EXISTING CONDITIONS PRIOR TO DEMOLITION, AND DETERMINE WHETHER ANY COMPRESSOR REFRIGERANT LINES ARE PRESENT THAT MUST BE PROPERLY DRAINED (TO E.P.A. STANDARDS) PRIOR TO DEMOLITION. SEE DEMOLITION NOTES IN MEP SPECIFICATIONS.
- ANY AND ALL COMBUSTIBLE MATERIALS SHALL BE REMOVED FROM CEILING PLENUM. THIS WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, EXISTING LANDLORD AND/OR ADJACENT TENANT ITEMS THAT ARE NOT SUITABLE FOR R.A. PLENUM (I.E. TELEPHONE, FIRE ALARM CABLES, ETC.). VERIFY SITE CONDITIONS.
- G.C. IS RESPONSIBLE FOR PATCHING AND REPAIRING EXISTING FLOOR SLAB AND DEMISING WALLS AFTER COMPLETION OF DEMOLITION AND PRIOR TO THE COMPLETION OF NEW CONSTRUCTION. G.C. TO PATCH, REPAIR AND LEVEL EXISTING FLOOR SLAB AND INFORM OWNER OF ALL SEVERE IRREGULARITIES IN EXISTING SLAB. G.C. TO PREPARE EXISTING SLAB FOR INSTALLATION OF NEW FLOORING.
- G.C. TO CUT ALL NECESSARY OPENINGS. ALL PROTRUSIONS, MARKS, CRACKS, BROKEN AND/OR OTHER EVIDENCE OF DAMAGED OR UNSOUND STRUCTURAL CONDITIONS SHALL BE REMOVED, REPLACED, REPAIRED, OR RESTORED AS DIRECTED BY GOVERNING AUTHORITIES.
- G.C. TO COORDINATE WITH LANDLORD RESPONSIBILITY IN PERFORMING ANY AND ALL ROOF WORK. SUCH ITEMS SHALL INCLUDE, BUT IS NOT LIMITED TO ROOF CURBS, VENTS, PITCH PANS, FAN UNITS, ETC. PATCH AND REPAIR ROOF AND/OR DECK TO ORIGINAL AND WEATHERTIGHT CONDITION. VERIFY SITE CONDITIONS.
- G.C. IS RESPONSIBLE FOR THE REMOVAL OF ALL UNUSED, ABANDONED AND EXTRANEOUS ITEMS. BURNING MATERIAL ON SITE IS NOT PERMITTED.
- G.C. TO NOTIFY OWNER IMMEDIATELY OF ANY SEVERE DISCREPANCIES OR IRREGULARITIES DISCOVERED DURING DEMOLITION WHICH MIGHT AFFECT THE PROPOSED STORE DESIGN, ESPECIALLY IN REGARDS TO HEIGHT AVAILABLE FOR CEILING, MECHANICAL DUCTWORK, RECESSED LIGHTING AND ROLL-UP GRILLES.
- THE ARCHITECT HAS NO KNOWLEDGE OF AND SHALL NOT BE HELD LIABLE IF ANY ASBESTOS OR OTHER HAZARDOUS MATERIALS ARE DISCOVERED DURING CONSTRUCTION. THE CONTRACTOR SHALL ISOLATE THE AFFECTED AREA AND CONTACT THE OWNER FOR FURTHER INSTRUCTIONS BEFORE PROCEEDING. THE ARCHITECT HAS NO KNOWLEDGE OF AND SHALL NOT BE HELD LIABLE FOR ANY DAMAGES CAUSED BY THE EXISTING WATER LEAKAGES AND HOLDS.
- G.C. IS RESPONSIBLE FOR MAINTAINING FIRE RATING AT EXPOSED CEILING LOCATIONS DUE TO DEMOLITION OF (E) CEILING
- THE G.C. SHOULD NOT CUT THE MAIN TELEPHONE WIRES LEADING TO THE TERMINATION STRIP (DMARC BLOCK) OR PHONE SYSTEM.
- IF THE DMARC IS TO BE RELOCATED, (DUE TO DESIGN, SITE CONDITIONS OR DOWNSIZE SPACE), IT IS TO BE COORDINATED WITH LIMITED TECHNICAL SERVICES (LTS). THE PRIMARY CONTACT IS BRENDAN SPIVEY AT 614.415.4077.
- THE G.C. IS TO ALLOW ADEQUATE TIME FOR RELOCATION IN THE CONSTRUCTION SCHEDULE.
- IF THE WALL WITH THE TELEPHONE BLOCK IS SCHEDULED FOR DEMOLITION, THE ENTIRE BACKING PANEL SHOULD BE REMOVED FROM THE WALL (WITHOUT DISCONNECTING THE WIRING) AND MUST BE SAFELY SECURED IN THE CEILING UNTIL IT CAN BE RELOCATED TO THE NEW AREA OR REINSTALLED ON THE WALL.
- NO EMERGENCY LIGHTS ARE TO BE ON THE PERIMETER DEMISING WALL FOR INTERFERENCE WITH SIGNAGE. IF EMERGENCY LIGHTS EXIST FROM LANDLORD OR PREVIOUS TENANT, THEY ARE TO BE REMOVED AND THE WALL PATCHED AND RETURNED TO A LIKE NEW CONDITION.

DEMOLITION NOTES

FULL	R
42N-A011-R00-NOTE	04.18.24

- DE-IMAGING SHALL OCCUR ONCE BATH # BODY WORKS HAS RELOCATED AND VACATED FROM THEIR FORMER LEASE SPACE OR FROM A TEMPORARY SPACE INTO THE NEWLY CONSTRUCTED OR REMODELED SPACE, AND NORMALLY FOLLOWING THE OPENING DATE OF THE NEW STORE. THE DE-IMAGING OF THE SPACE SHALL INCLUDE THE FOLLOWING:
- G.C. TO REMOVE ALL STOREFRONT SIGNAGE INCLUDING: PIN-MOUNTED OR SURFACE MOUNTED LETTERS OR LOGOS, ILLUMINATED SIGNAGE, AND SIGNAGE OR LOGOS APPLIED TO THE GLASS.
 - G.C. TO PATCH AND REPAIR ALL HOLES RESULTING FROM THE REMOVAL OF SIGNAGE AND PAINT TO MATCH EXISTING STOREFRONT.
 - G.C. TO CLEAN GLASS TO REMOVE ANY RESIDUE FROM THE REMOVAL OF SIGNAGE OR LOGOS.
 - G.C. TO PAINT OUT ANY EXISTING SURFACE PAINTED SIGNAGE OR LOGOS TO MATCH THE EXISTING STOREFRONT.
 - G.C. TO REMOVE ALL AWNINGS AND FRAMES, PATCH AND REPAIR HOLES, AND PAINT TO MATCH THE EXISTING STOREFRONT.
 - G.C. TO REMOVE SIGN AND MURAL (IF APPLICABLE) AT BACKWRAP, PATCH HOLES AND PAINT TO MATCH EXISTING WALLS.
 - G.C. TO REMOVE ALL DEPARTMENTAL SIGNAGE (IF APPLICABLE).
 - G.C. TO REMOVE ALL SIGNAGE INSIDE THE STORE OR VISIBLE IN THE STOREFRONT WINDOWS.
 - G.C. TO DISPOSE OF ALL EXISTING SIGNAGE AND LOGO ELEMENTS, AND LEAVE SPACE CLEAN.
 - G.C. TO DESTROY ANY FLOOR FIXTURES LEFT IN THE VACATED SPACE. VERIFY WITH BBW PROJECT MANAGER.
 - G.C. TO BLACKOUT ALL STOREFRONT WINDOWS. WINDOWS TO RECEIVE BLACKOUT THE NIGHT OF CLOSING.
 - G.C. TO REMOVE UTILITIES FROM BATH # BODY WORKS NAME.

DE-IMAGING NOTES - ALLOWANCE

FULL	M
42N-A011-M00-NOTE	08.19.22

-----	EXTENT OF DEMOLITION	XXXXXX	(E) CPU WALL
=====	TEMPORARY BARRICADE	=====	(E) CONCRETE WALL

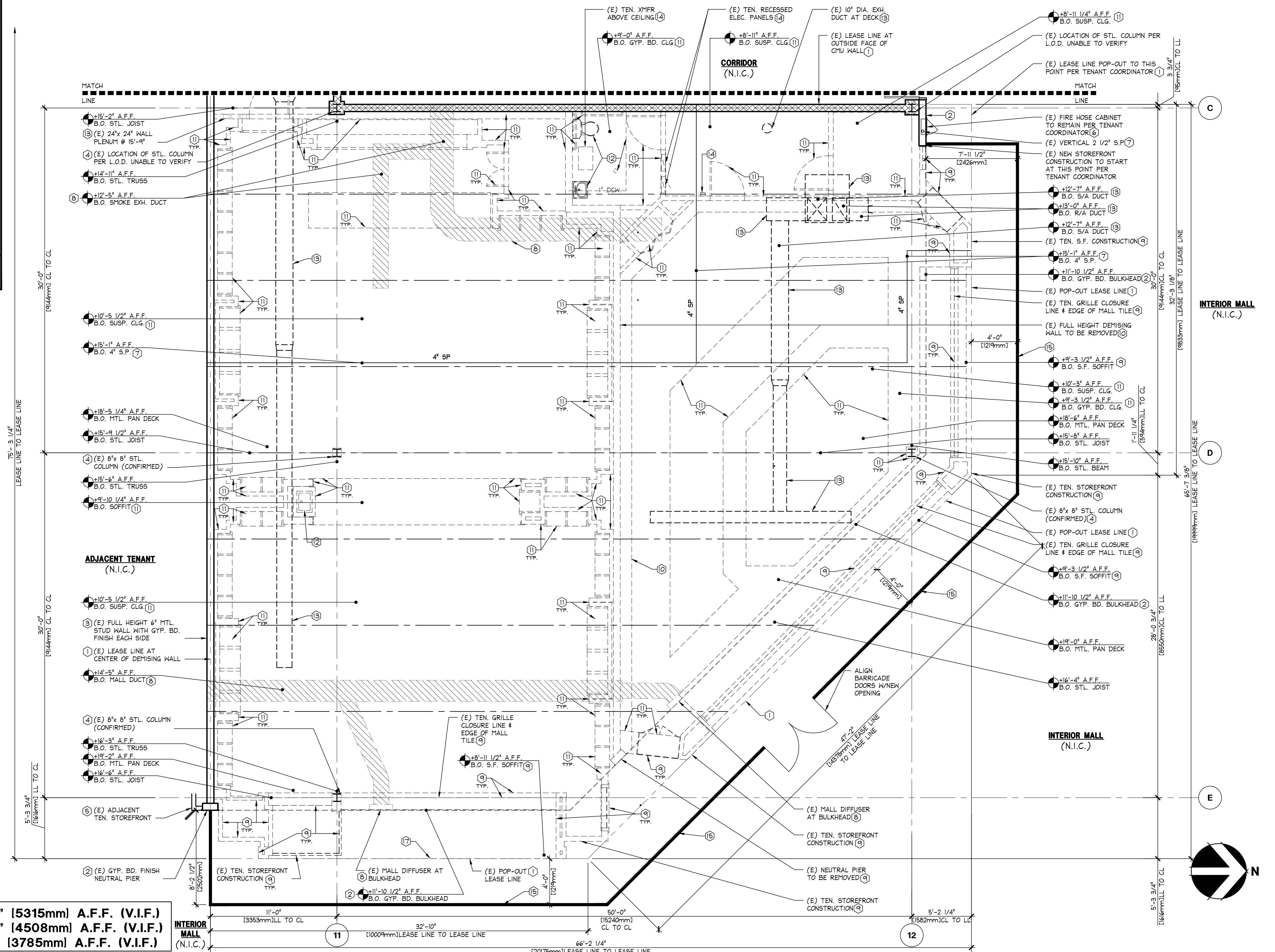
DEMOLITION PLAN LEGEND

FULL	L
42L-A011-L00-LGND	08.24.04

- LEASE LINE
- (E) BULKHEAD / NEUTRAL PIER TO REMAIN
- (E) DEMISING WALL TO REMAIN. REMOVE EXISTING FINISHES TO FACE OF DEMISING WALL, TAKING CARE NOT TO DISTURB EXISTING FACE OF GYP. BD.
- (E) COLUMNS TO REMAIN. REMOVE EXISTING FINISHES AND MAINTAIN EXISTING RATING AS REQ'D.
- (E) PARTITIONS / SOFFIT / STOREFRONT / DOORS / FIXTURES TO REMAIN
- (E) EQUIPMENT TO REMAIN
- (E) PLUMBING / SPRINKLER LINE TO REMAIN
- (E) MALL DUCTWORK TO REMAIN, SHOWN HATCHED
- (E) STOREFRONT SYSTEM TO BE DEMOLISHED IN ITS ENTIRETY, SHOWN DASHED
- (E) DEMISING WALL TO BE DEMOLISHED, SHOWN DASHED
- (E) PARTITIONS / CABINETS / DOORS / CEILINGS / FLOORING TO BE DEMOLISHED, SHOWN DASHED
- (E) PLUMBING LINE(S) & FIXTURES TO BE DEMOLISHED. CUT AND CAP AS REQ'D. SEE MEP DRAWINGS.
- (E) HVAC UNIT, CURB AND DUCTWORK TO BE DEMOLISHED, SHOWN DASHED. SEE MEP DRAWINGS. REPAIR ROOF TO NEW CONDITION
- (E) ELECTRICAL EQUIPMENT TO BE REMOVED, SHOWN DASHED. SEE MEP DRAWINGS
- STOREFRONT BARRICADE. G.C. TO CONSTRUCT ACCORDING TO TENANT CRITERIA
- SURVEY INDICATES EVIDENCE OF ROOF / PIPE LEAK IN THIS AREA. G.C. TO INVESTIGATE AND DETERMINE SOURCE AND EXTENT OF LEAK. G.C. TO COORDINATE REPAIR OR LEAK-AV. BBW PROJECT MGR. AND LANDLORD PRIOR TO INSTALLATION OF FINISH CEILING
- G.C. TO REMOVE (E) TENANT SIGNAGE, PATCH AND REPAIR STOREFRONT FACADE AS REQ'D TO LIKE NEW CONDITION
- PORTION OF (E) CPU WALL TO BE DEMOLISHED, SHOWN DASHED

DEMOLITION PLAN KEYNOTES

FULL	D
42N-A011-D00-NOTE	08.19.22



LOWEST POINT OF (E) DECK: 17'-5 1/4" [5315mm] A.F.F. (V.I.F.)
LOWEST POINT OF (E) STRUCTURE: 14'-9 1/2" [4508mm] A.F.F. (V.I.F.)
LOWEST POINT OF (E) OBSTRUCTION TO REMAIN: 12'-5" [3785mm] A.F.F. (V.I.F.)

DEMOLITION PLAN

1/4" = 1'-0"	A
42P-A011-A00-PLAN	10.14.21



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 Three Limited Parkway - Columbus, Ohio 43290
 Telephone: 614.415.7000 • Fax: 614.415.7349

PROJECT INFORMATION: 104.01.0737.01
BATH & BODY WORKS
 SOUTH HILL MALL
 SPACE NO. 235
 5500 S. MERIDIAN STREET
 FORT LUDLOW, WA 98375

REVISIONS:

REQUIRED BY:	DATE:

DATE ISSUED: 11/04/2022
 DESIGNED BY: TN
 DRAWN BY: DH
 CHECKED BY: PV

DEMOLITION PLAN

DRAWING NUMBER: **A01.1a**

PACKAGE: SSIS PKG 2
GENERATION: 231501.00
A/E PROJECT #: 20221012.0

REVISIONS:

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

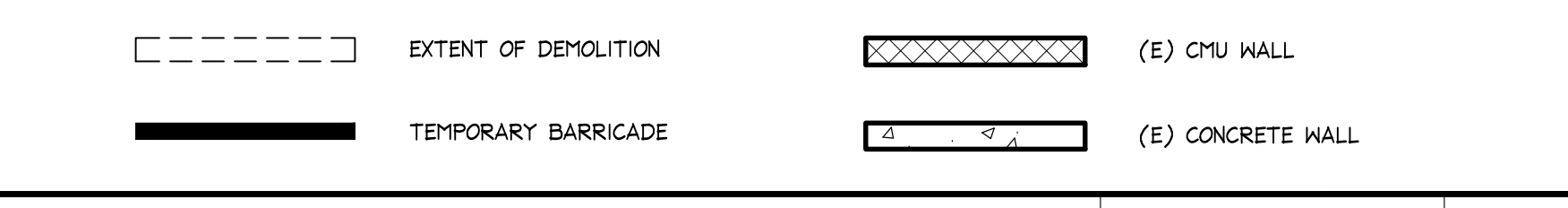
DEMOLITION PLAN

DRAWING NUMBER: **A01.1a**

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- HVAC SUBCONTRACTOR TO INSPECT EXISTING CONDITIONS PRIOR TO DEMOLITION, AND DETERMINE WHETHER ANY COMPRESSOR REFRIGERANT LINES ARE PRESENT THAT MUST BE PROPERLY DRAINED (TO E.P.A. STANDARDS) PRIOR TO DEMOLITION. SEE DEMOLITION NOTES IN MEP SPECIFICATIONS.
- ANY AND ALL COMBUSTIBLE MATERIALS SHALL BE REMOVED FROM CEILING PLENUM. THIS WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, EXISTING LANDLORD AND/OR ADJACENT TENANT ITEMS THAT ARE NOT SUITABLE FOR R.A. PLENUM (I.E. TELEPHONE, FIRE ALARM CABLES, ETC.) VERIFY SITE CONDITIONS.
- G.C. IS RESPONSIBLE FOR PATCHING AND REPAIRING EXISTING FLOOR SLAB AND DEMISING WALLS AFTER COMPLETION OF DEMOLITION AND PRIOR TO THE COMMENCEMENT OF NEW CONSTRUCTION. G.C. TO PATCH, REPAIR AND LEVEL EXISTING FLOOR SLAB AND INFORM OWNER OF ALL SEVERE IRREGULARITIES IN EXISTING SLAB. G.C. TO PREPARE EXISTING SLAB FOR INSTALLATION OF NEW FLOORING.
- G.C. TO CUT ALL NECESSARY OPENINGS. ALL PROTRUSIONS, MARKS, CRACKS, BROKEN AND/OR OTHER EVIDENCE OF DAMAGED OR UNSOUND STRUCTURAL CONDITIONS SHALL BE REMOVED, REPLACED, REPAIRED, OR RESTORED AS DIRECTED BY GOVERNING AUTHORITIES.
- G.C. TO COORDINATE WITH LANDLORD RESPONSIBILITY IN PERFORMING ANY AND ALL ROOF WORK. SUCH ITEMS SHALL INCLUDE, BUT IS NOT LIMITED TO ROOF CURBS, VENTS, PITCH PANS, FAN UNITS, ETC. PATCH AND REPAIR ROOF AND/OR DECK TO ORIGINAL AND WEATHERTIGHT CONDITION. VERIFY SITE CONDITIONS.
- G.C. IS RESPONSIBLE FOR THE REMOVAL OF ALL UNUSED, ABANDONED AND EXTRANEOUS ITEMS. BURNING MATERIAL ON SITE IS NOT PERMITTED.
- G.C. TO NOTIFY OWNER IMMEDIATELY OF ANY SEVERE DISCREPANCIES OR IRREGULARITIES DISCOVERED DURING DEMOLITION WHICH MIGHT AFFECT THE PROPOSED STORE DESIGN, ESPECIALLY IN REGARDS TO HEIGHT AVAILABLE FOR CEILING, MECHANICAL DUCTWORK, RECESSED LIGHTING AND ROLL-UP GRILLES.
- THE ARCHITECT HAS NO KNOWLEDGE OF AND SHALL NOT BE HELD LIABLE IF ANY ASBESTOS OR OTHER HAZARDOUS MATERIALS ARE DISCOVERED DURING CONSTRUCTION. THE CONTRACTOR SHALL ISOLATE THE AFFECTED AREA AND CONTACT THE OWNER FOR FURTHER INSTRUCTIONS BEFORE PROCEEDING. THE ARCHITECT HAS NO KNOWLEDGE OF AND SHALL NOT BE LIABLE FOR ANY DAMAGES CAUSED BY THE EXISTING WATER LEAKAGES AND MOLDS.
- G.C. IS RESPONSIBLE FOR MAINTAINING FIRE RATING AT EXPOSED CEILING LOCATIONS DUE TO DEMOLITION OF (E) CEILING
- THE G.C. SHOULD NOT CUT THE MAIN TELEPHONE WIRES LEADING TO THE TERMINATION STRIP (DMARC BLOCK) OR PHONE SYSTEM.
- IF THE DMARC IS TO BE RELOCATED, (DUE TO DESIGN, SITE CONDITIONS OR DOWNSIZED SPACE), IT IS TO BE COORDINATED WITH LIMITED TECHNICAL SERVICES (LTS). THE PRIMARY CONTACT IS BRENDAN SPIVEY AT 614.415.4077.
- THE G.C. IS TO ALLOW ADEQUATE TIME FOR RELOCATION IN THE CONSTRUCTION SCHEDULE.
- IF THE WALL WITH THE TELEPHONE BLOCK IS SCHEDULED FOR DEMOLITION, THE ENTIRE BACKING PANEL SHOULD BE REMOVED FROM THE WALL (WITHOUT DISCONNECTING THE WIRING) AND MUST BE SAFELY SECURED IN THE CEILING UNTIL IT CAN BE RELOCATED TO THE NEW AREA OR REINSTALLED ON THE WALL.
- NO EMERGENCY LIGHTS ARE TO BE ON THE PERIMETER DEMISING WALL FOR INTERFERENCE WITH SIGNAGE. IF EMERGENCY LIGHTS EXIST FROM LANDLORD OR PREVIOUS TENANT, THEY ARE TO BE REMOVED AND THE WALL PATCHED AND RETURNED TO A LIKE NEW CONDITION.

- DE-IMAGING SHALL OCCUR ONCE BATH & BODY WORKS HAS RELOCATED AND VACATED FROM THEIR FORMER LEASE SPACE OR FROM A TEMPORARY SPACE INTO THE NEWLY CONSTRUCTED OR REMODELED SPACE, AND NORMALLY FOLLOWING THE OPENING DATE OF THE NEW STORE. THE DE-IMAGING OF THE SPACE SHALL INCLUDE THE FOLLOWING:
- G.C. TO REMOVE ALL STOREFRONT SIGNAGE INCLUDING: PIN-MOUNTED OR SURFACE MOUNTED LETTERS OR LOGOS, ILLUMINATED SIGNAGE, AND SIGNAGE OR LOGOS APPLIED TO THE GLASS.
 - G.C. TO PATCH AND REPAIR ALL HOLES RESULTING FROM THE REMOVAL OF SIGNAGE AND PAINT TO MATCH EXISTING STOREFRONT.
 - G.C. TO CLEAN GLASS TO REMOVE ANY RESIDUE FROM THE REMOVAL OF SIGNAGE OR LOGOS.
 - G.C. TO PAINT OUT ANY EXISTING SURFACE PAINTED SIGNAGE OR LOGOS TO MATCH THE EXISTING STOREFRONT.
 - G.C. TO REMOVE ALL AWNINGS AND FRAMES, PATCH AND REPAIR HOLES, AND PAINT TO MATCH THE EXISTING STOREFRONT.
 - G.C. TO REMOVE SIGN AND MURAL (IF APPLICABLE) AT BACKWRAP, PATCH HOLES AND PAINT TO MATCH EXISTING WALLS.
 - G.C. TO REMOVE ALL DEPARTMENTAL SIGNAGE (IF APPLICABLE).
 - G.C. TO REMOVE ALL SIGNAGE INSIDE THE STORE OR VISIBLE IN THE STOREFRONT WINDOWS.
 - G.C. TO DISPOSE OF ALL EXISTING SIGNAGE AND LOGO ELEMENTS, AND LEAVE SPACE CLEAN.
 - G.C. TO DESTROY ANY FLOOR FIXTURES LEFT IN THE VACATED SPACE, VERIFY WITH BBWV PROJECT MANAGER.
 - G.C. TO BLACKOUT ALL STOREFRONT WINDOWS. WINDOWS TO RECEIVE BLACKOUT THE NIGHT OF CLOSING.
 - G.C. TO REMOVE UTILITIES FROM BATH & BODY WORKS NAME.

DE-IMAGING NOTES - ALLOWANCE		FULL	M
		42N-A011-M00-NOTE	08.19.22

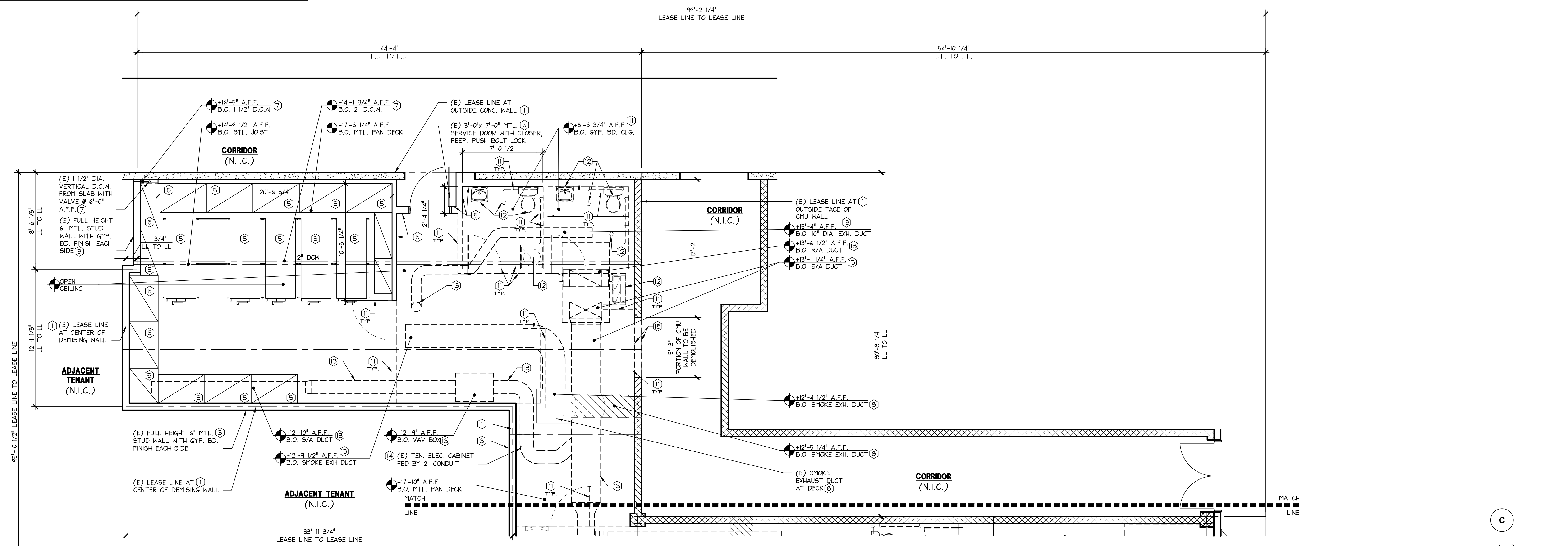


DEMOLITION PLAN LEGEND		FULL	L
		42L-A011-L00-LGMD	08.24.04

- LEASE LINE
- (E) BULKHEAD / NEUTRAL PIER TO REMAIN
- (E) DEMISING WALL TO REMAIN. REMOVE EXISTING FINISHES TO FACE OF DEMISING WALL, TAKING CARE NOT TO DISTURB EXISTING FACE OF GYP. BD.
- (E) COLUMNS TO REMAIN. REMOVE EXISTING FINISHES AND MAINTAIN EXISTING RATING AS REQD.
- (E) PARTITIONS / SOFFIT / STOREFRONT / DOORS / FIXTURES TO REMAIN
- (E) EQUIPMENT TO REMAIN
- (E) PLUMBING / SPRINKLER LINE TO REMAIN
- (E) MALL DUCTWORK TO REMAIN, SHOWN HATCHED
- (E) STOREFRONT SYSTEM TO BE DEMOLISHED IN ITS ENTIRETY, SHOWN DASHED
- (E) DEMISING WALL TO BE DEMOLISHED, SHOWN DASHED
- (E) PARTITIONS / CABINETS / DOORS / CEILINGS / FLOORING TO BE DEMOLISHED, SHOWN DASHED
- (E) PLUMBING LINE(S) & FIXTURES TO BE DEMOLISHED. CUT AND CAP AS REQD. SEE MEP DRAWINGS.
- (E) HVAC UNIT, CURB AND DUCTWORK TO BE DEMOLISHED, SHOWN DASHED. REPAIR ROOF TO NEW CONDITION
- (E) ELECTRICAL EQUIPMENT TO BE REMOVED, SHOWN DASHED. SEE MEP DRAWINGS
- STOREFRONT BARRICADE, G.C. TO CONSTRUCT ACCORDING TO TENANT CRITERIA
- SURVEY INDICATES EVIDENCE OF ROOF / PIPE LEAK IN THIS AREA. G.C. TO INVESTIGATE AND DETERMINE SOURCE AND EXTENT OF LEAK. G.C. TO COORDINATE REPAIR OR LEAK W/ BBWV PROJECT MGR. AND LANDLORD PRIOR TO INSTALLATION OF FINISH CEILING
- G.C. TO REMOVE (E) TENANT SIGNAGE. PATCH AND REPAIR STOREFRONT FACADE AS REQD TO LIKE NEW CONDITION
- PORTION OF (E) CMU WALL TO BE DEMOLISHED, SHOWN DASHED

DEMOLITION PLAN KEYNOTES		FULL	D
		42N-A011-D00-NOTE	08.19.22

DEMOLITION NOTES		FULL	R
		42N-A011-R00-NOTE	04.18.14



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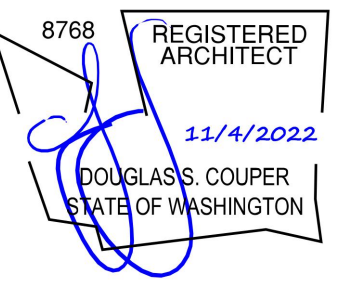
Bath & Body Works
 Three Limited Parkway · Columbus, Ohio 43290
 Telephone: 614.415.7000 · Fax: 614.415.7349

THESE DRAWINGS AND SPECIFICATIONS WERE PREPARED FOR USE ON A SPECIFIC SITE. ANY CHANGES OR MODIFICATIONS TO THESE DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY THE ARCHITECT OR HIS AUTHORIZED REPRESENTATIVE. THE ARCHITECT HAS NO LIABILITY FOR ANY DAMAGES OR INJURY CAUSED BY THE EXISTING WATER LEAKAGES AND MOLDS. THE ARCHITECT HAS NO KNOWLEDGE OF AND SHALL NOT BE HELD LIABLE IF ANY ASBESTOS OR OTHER HAZARDOUS MATERIALS ARE DISCOVERED DURING CONSTRUCTION. THE CONTRACTOR SHALL ISOLATE THE AFFECTED AREA AND CONTACT THE OWNER FOR FURTHER INSTRUCTIONS BEFORE PROCEEDING. THE ARCHITECT HAS NO KNOWLEDGE OF AND SHALL NOT BE LIABLE FOR ANY DAMAGES CAUSED BY THE EXISTING WATER LEAKAGES AND MOLDS. THE ARCHITECT HAS NO KNOWLEDGE OF AND SHALL NOT BE HELD LIABLE IF ANY ASBESTOS OR OTHER HAZARDOUS MATERIALS ARE DISCOVERED DURING CONSTRUCTION. THE CONTRACTOR SHALL ISOLATE THE AFFECTED AREA AND CONTACT THE OWNER FOR FURTHER INSTRUCTIONS BEFORE PROCEEDING. THE ARCHITECT HAS NO KNOWLEDGE OF AND SHALL NOT BE HELD LIABLE FOR ANY DAMAGES CAUSED BY THE EXISTING WATER LEAKAGES AND MOLDS.

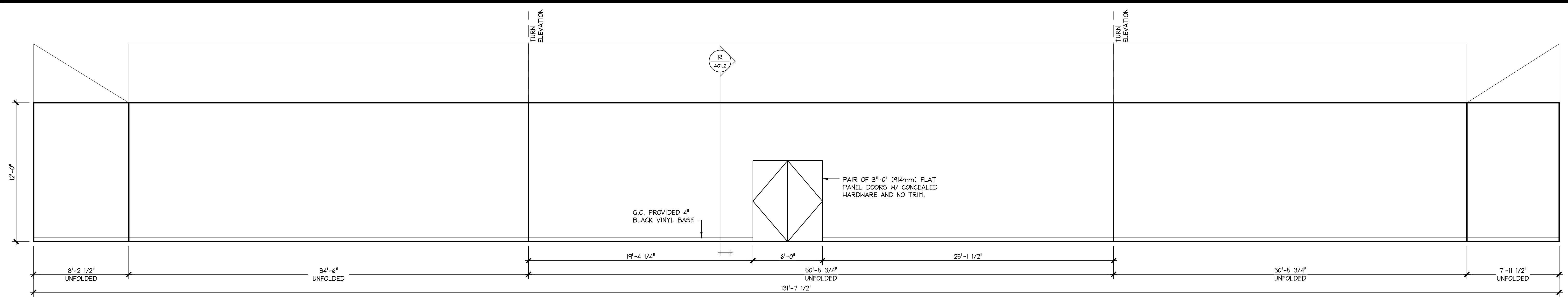
PROJECT INFORMATION: 104.01.0737.01
BATH & BODY WORKS
 SOUTH HILL MALL
 SPACE NO. 235
 5500 S. MERIDIAN STREET
 FORT LUDLOW, VA 98373
 REVISIONS:
 DATE ISSUED: 11/04/2022
 DESIGNED BY: TN
 DRAWN BY: DH
 CHECKED BY: PV
 DEMOLITION PLAN
 DRAWING NUMBER: A01.1b
 1/4" = 1'-0"
 42P-A011-A00-PLAN 10.14.11



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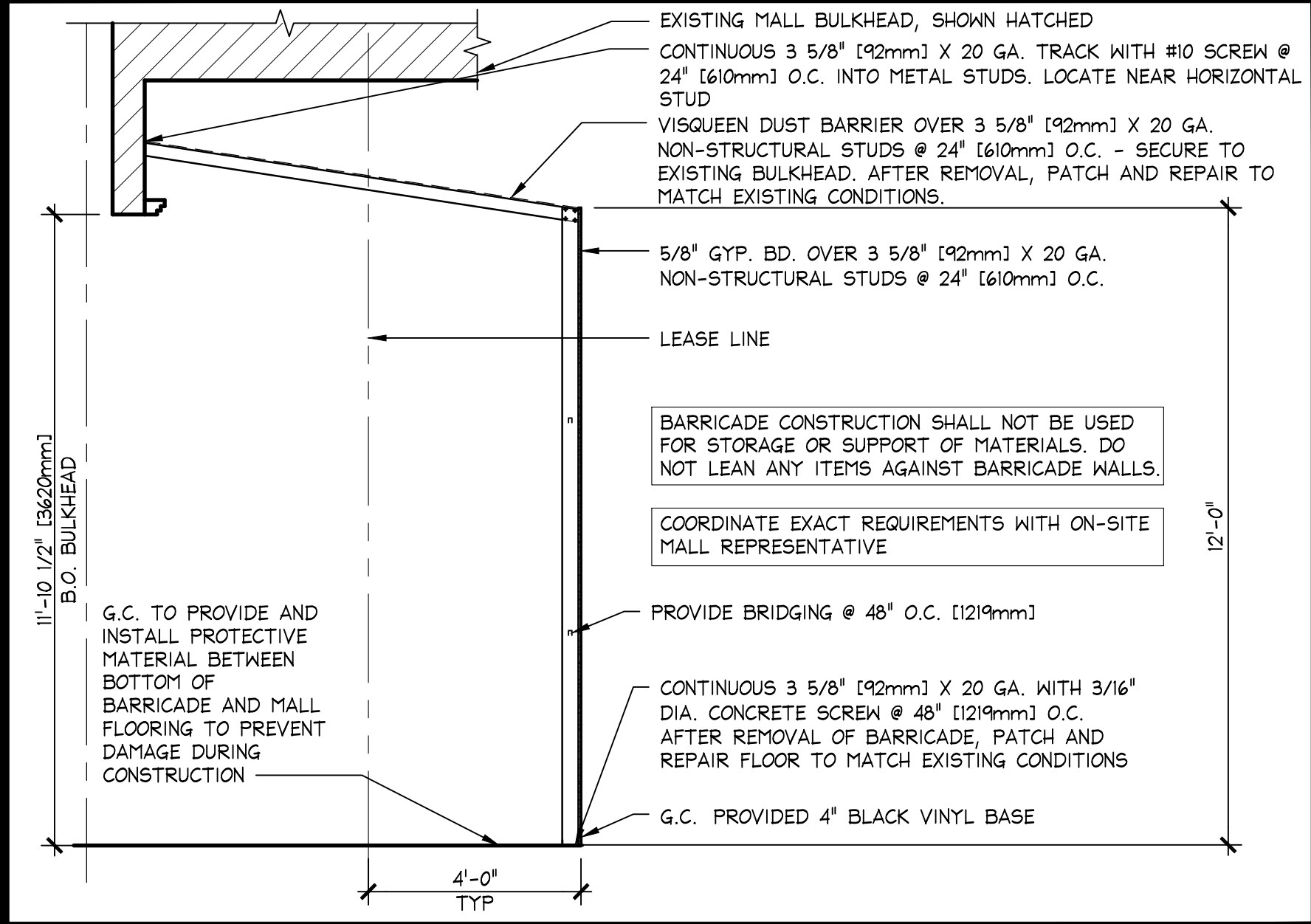


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STOREFRONT BARRICADE ELEVATION

1/4" = 1'-0"
42N-A011-H00-NOTE 08.24.09



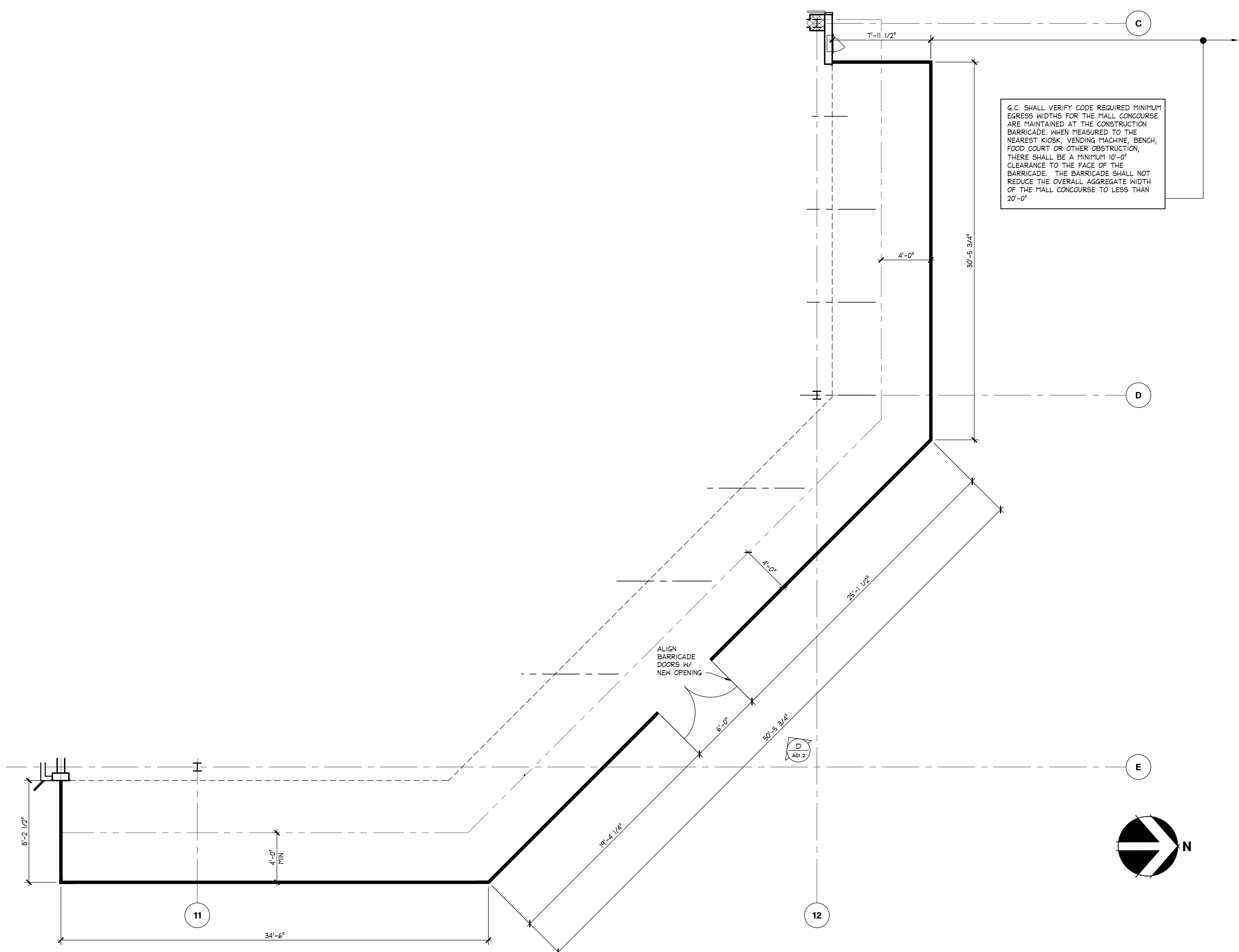
STOREFRONT BARRICADE (INTERIOR) SECTION

3/8" = 1'-0"
42D-A011-G00-DET 10.26.16

- GENERAL CONTRACTOR IS TO CONSTRUCT A STOREFRONT BARRICADE PER LANDLORD/MALL SPECIFICATIONS. FINISHES PER BBW SPECS. SEE NOTE #3
- IF LANDLORD/MALL HAS NO SPECIFICATIONS, THEN: GENERAL CONTRACTOR IS TO CONSTRUCT TEMPORARY BARRICADE(S) OF 3-5/8" [92mm] METAL STUDS AT 24" [609mm] O.C. WITH ONE LAYER OF 5/8" [16mm] GYP. BD. (MALL SIDE) TAPED AND SPACKLED SMOOTH. INSTALL A 4 MIL PLASTIC OR GYP. BD. BACK TO MALL BULKHEAD TO CREATE DUST-PROOF CONDITION. SUBSTITUTE GYP. BD. AND PLASTIC WITH 5/8" [16mm] EXTERIOR GRADE PLYWOOD, FULL HEIGHT, AT EXTERIOR STOREFRONTS. BARRICADES ARE TO BE ADEQUATELY SECURED AND BRACED TO MALL BULKHEAD FRAMING FOR LATERAL STABILITY, AND BARRICADE MUST BE STRUCTURALLY SOUND.
- PRIME AND PAINT BARRICADE PT-19, SEMI-GLOSS.
- CARE IS TO BE TAKEN WHEN DISASSEMBLING AND REMOVING BARRICADE. GENERAL CONTRACTOR IS TO RESTORE MALL FLOORING AND BULKHEAD TO A "LIKE NEW" CONDITION AND FINISH.
- GENERAL CONTRACTOR TO CONSULT WITH MALL REPRESENTATIVE FOR HOURS IN WHICH WORK ON BARRICADE CAN OCCUR.
- PROVIDE PLAN LAYOUT AND FIELD DIMENSIONS TO OWNER FOR GRAPHIC INSTALLATION.

STANDARD BARRICADE NOTES

FULL
42N-A012-G00-NOTE 08.19.22



G.C. SHALL VERIFY CODE REQUIRED MINIMUM EGRESS WIDTHS FOR THE MALL CONCOURSE ARE MAINTAINED AT THE CONSTRUCTION BARRICADE. WHEN MEASURED TO THE NEAREST KIOSK, VENDING MACHINE, BENCH, FOOD COURT OR OTHER OBSTRUCTION, THERE SHALL BE A MINIMUM 10'-0" CLEARANCE TO THE FACE OF THE BARRICADE. THE BARRICADE SHALL NOT REDUCE THE OVERALL AGGREGATE WIDTH OF THE MALL CONCOURSE TO LESS THAN 20'-0"

THESE DRAWINGS AND SPECIFICATIONS WERE PREPARED FOR USE ON A SPECIFIC SITE. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE PROJECT SITE AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES.

PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERRIMAN STREET
FOTALLUP, WA 98373

PACKAGE: FULL REMODEL
GENERATION: BBW ES/WBC 2021
A/E PROJECT #: 00116082

REVISIONS:

NO.	DESCRIPTION	DATE

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

SCOPE: BBW PROJECT #:
SIS: PKG 2
231SG.00
20221012.0

BARRICADE PLAN & ELEVATION

DRAWING NUMBER:
A01.2

STOREFRONT BARRICADE PLAN

1/4" = 1'-0"
42N-A011-H00-NOTE 08.24.09

- 1 LEASE LINE
- 2 LINE OF SLIDING GRILLE
- 3 LINE OF EXISTING BULKHEAD ABOVE, SHOWN DASHED
- 4 INSTALL WATER-RESISTANT GYP. BD. @ TOILET ROOM AND DRINKING FOUNTAIN WALLS. TYP. INSTALL WATERPROOF MEMBRANE UP TO 6" (152mm) A.F.F. ON WALLS PRIOR TO FINISH INSTALLATION.
- 5 (E) NEUTRAL PIER / (E) MALL FACADE
- 6 PREFINISHED METAL PANEL
- 7 G.C. TO INSTALL TACTILE EXIT SIGNAGE. REFER TO DETAIL L/A1B1
- 8 LEVEL EXISTING FLOOR AT CASHWRAP AND BACKWRAP AREA
- 9 FLOOR OUTLET. REFER TO ELECTRICAL DRAWINGS
- 10 ELECTRICAL PANELS - SEE ELECTRICAL DRAWINGS. INSTALL PLYWOOD ON FACE OF WALL FURRING AS REQD FOR BACKING. DASHED LINE INDICATES MIN. CLEAR FLOOR SPACE REQD IN FRONT OF PANELS
- 11 (E) INDIVIDUAL HOOKS. REFER TO DETAIL P2 AND P3/A1B1
- 12 G.C. TO INSTALL IN-WALL METAL BLOCKING FOR DECOR ATTACHMENT. REFER TO DETAIL L/A12.1
- 13 SALES/NON-SALES WALL. FULL-HEIGHT GYP. BD. @ NON-SALES SIDE ONLY. REFER TO DETAIL B/A12.1
- 14 (E) FIXED SHELVING UNITS - ANCHOR TO FLOOR AND SECURE TO WALL. REFER TO DETAIL J/A1A1
- 15 (E) DEMISING WALL
- 16 G.C. TO PROVIDE (3) SHELVES ON OWNER SUPPLIED STANDARDS AND BRACKETS ON WALL ABOVE MICROWAVE/REFRIGERATOR. SAFE LOCKERS & BREAK COUNTER. SEE DETAIL L 4 R/A1A1. DEPTH OF SHELVING @ MICRO/FRIDGE TO BE 18" (457mm) MIN.
- 17 LEAVE BOTTOM (2) SHELVES OUT OF (E) FIXED SHELVING UNIT FOR LOCATING MOBILE MARKETING CART. REFER TO A1A1
- 18 PERIMETER SHELVING W/ WALL-MOUNTED STANDARDS. REFER TO C/A1A1
- 19 DRINKING FOUNTAIN W/ REPOTE COMPRESSOR. REFER TO DETAIL S/A1B1
- 20 LOCKED BACKROOM CONTAINER. REFER TO J/A1A1
- 21 48" (1219mm) HTL CORNER GUARD @ NON-SALES AREA. INSTALL TIGHT TO FLOOR
- 22 PLAN TUBE HOLDER MOUNTED UNDER PHONE/DATA BOARD. REFER TO DETAIL J/A1B1
- 23 BREAK COUNTER. REFER TO P/A1A1
- 24 MARKETING CART
- 25 EMPLOYEE LOCKERS. INSTALL BLOCKING FOR ATTACHMENT TO WALL. REFER TO R/A1A1
- 26 IT CABINET ON CASTERS. REFER TO DETAIL R/A1B1
- 27 PROCESSING AREA. REFER TO SHEET C2/A1A1 FOR SHELVING DETAIL.
- 28 24" X 48" P.F.T. PLYWOOD MOUNTED TO WALL @ 6'-0" (1829mm) A.F.F. (TO BOTTOM) FOR PHONE AND DATA EQUIPMENT
- 29 MUSIC CONTROL SYSTEM - SEE ELECTRICAL DRAWINGS
- 30 MICROWAVE. REFER TO DETAIL L/A1A1
- 31 MANAGER'S DESK. REFER TO DETAIL J/A1A1
- 32 STOCKING CART
- 33 WALL CONTAINING DRAIN LINE FOR DEMO SINK W/ MODIFIED FRAMING PER DETAIL K/A12.1
- 34 (E) BAKERS RACK
- 35 PAINTED STEEL MAGNETIC MARKER BOARD. SEE A07.X FOR MOUNTING HEIGHT/CONFIGURATION
- 36 FIRE EXTINGUISHER LOCATION. EXTINGUISHER TO HAVE MINIMUM RATING OF 2-A/10BC. G.C. TO LOCATE SO THAT MAXIMUM DISTANCE BETWEEN THEM IS NO MORE THAN 75'-0" (22860mm). COORDINATE EXACT LOCATION WITH OWNER'S PROJECT MANAGER & FIRE MARSHAL. MOUNT WITH TOP NO HIGHER THAN 48" (1219mm) OFF THE FLOOR.
- 37 SAFE SECURED TO FLOOR
- 38 BREAK AREA STOOLS
- 39 G.C. TO REFINISH (E) GYP. BD. WALL TO LIKE NEW CONDITION
- 40 TABLET CHARGING STATION AND COUNTER. REFER TO L/A1A1
- 41 REFRIGERATOR. REFER TO DETAIL L/A1A1
- 42 GALLON TOTE
- 43 GALLON DRUM
- 44 (E) 1/2" DIA. VERTICAL D.C.H. FROM SLAB WITH VALVE @ 6'-0"
- 45 SLIDING GINGHAM METAL PANEL
- 46 BLUE GINGHAM ALUMINUM COMPOSITE PANEL
- 47 WHITE METAL TRIMS
- 48 METAL REVEAL
- 49 MOBILE SHELVING UNITS - REFER TO A 4 J/A1A1. LEVEL FLOOR BENEATH UNITS USING SELF-LEVELING CONCRETE TOPPING. ALLOWABLE TOLERANCE IS 1/8" PER 10'-0". FLOOR MOUNTED TRACK. REFER TO MFG'S INSTALLATION GUIDE FOR MORE INFO.
- 50 (E) MOBILE SHELVING UNITS - REFER TO A 4 J/A1A1. LEVEL FLOOR BENEATH UNITS USING SELF-LEVELING CONCRETE TOPPING. ALLOWABLE TOLERANCE IS 1/8" PER 10'-0". FLOOR MOUNTED TRACK. REFER TO MFG'S INSTALLATION GUIDE FOR MORE INFO.
- 51 FLOOR OUTLET FOR FREESTANDING FIXTURES

- 52 (E) DEMISING WALLS. G.C. TO REPAIR OR REPLACE 5/8" (16mm) GYPSUM BOARD TYPE 'X' IF REQUIRED TO MAINTAIN FIRE RATING (U.L. #U465). SEE NOTE ON DEMOLITION PLAN FOR EXISTING CONSTRUCTION.
- 53 (E) CMU WALL
- 54 (E) CONCRETE WALL
- 55 (N) DEMISING WALL: (1) LAYER 5/8" (16mm) GYPSUM BOARD (BOTH SIDES) ON METAL STUD FRAMING. TIGHT TO DECK ABOVE - ONE HOUR RATED (U.L. #U465). SEE DETAIL C/A12.1 - VERIFY RESPONSIBILITY OF CONSTRUCTION
- 56 (N) ONE HOUR RATED PARTITION WALL: METAL STUDS WITH 5/8" (16mm) TYPE 'X' GYPSUM BOARD ON BOTH SIDES. EXTEND GYPSUM BOARD TIGHT TO STRUCTURE/DECK ABOVE. REFER TO FLOOR PLAN FOR SPECIFIC CONDITION (U.L. #U465). SEE DETAIL C/A12.1. REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GA. AND SPACING.
- 57 (N) PARTITION WALL (CABINETS): WALL FINISH (VARIES - REFER TO FINISH PLAN) ON METAL STUDS WITH 1/2" GYPSUM BOARDING. SEE DETAILS B, L & R/A10.1, B & G/A11.1 AND B & F/A11.1a. REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GA. AND SPACING.
- 58 (N) PARTITION WALL: (1) LAYER 5/8" (16mm) GYPSUM BOARD ON METAL STUDS. INSTALL GYP. BD. ON ONE SIDE ONLY AT BACK TO BACK OR AT PERIMETER WALL CONDITIONS. SEE DETAILS A,B,D,F/A12.1 REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GA. AND SPACING.
- 59 (N) INSULATION AT RESTROOM/SALES WALL: METAL STUDS (6" (152mm) AT PLUMBING WALL) WITH 5/8" (16mm) GYPSUM BOARD ON BOTH SIDES. FILL WITH 3 1/2" (89mm) FRICTION-FIT BATT INSULATION AT RESTROOM/SALES WALL FOR SOUND ATTENUATION. STIC 42 OR BETTER. RUN INSULATION FROM FLOOR SLAB TO BOTTOM OF CEILING. SEE DETAIL E/A12.1. REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GA. AND SPACING.

HATCH WALL TYPE / DESCRIPTION	
	DEMOLITION EXTENT OF DEMOLITION. REFER TO DEMOLITION PLAN.
	DEMISING (E) DEMISING WALLS: G.C. TO REPAIR OR REPLACE 5/8" (16mm) GYPSUM BOARD TYPE 'X' IF REQUIRED TO MAINTAIN FIRE RATING (U.L. #U465). SEE NOTE ON DEMOLITION PLAN FOR EXISTING CONSTRUCTION.
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	(E) CONCRETE WALL
	(N) DEMISING WALL: (1) LAYER 5/8" (16mm) GYPSUM BOARD (BOTH SIDES) ON METAL STUD FRAMING. TIGHT TO DECK ABOVE - ONE HOUR RATED (U.L. #U465). SEE DETAIL C/A12.1 - VERIFY RESPONSIBILITY OF CONSTRUCTION
	INTERIOR PARTITIONS SEE STRUCTURAL DRAWINGS FOR STOREFRONT & LEDGE FRAMING. REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GA. AND SPACING.
	(N) ONE HOUR RATED PARTITION WALL: METAL STUDS WITH 5/8" (16mm) TYPE 'X' GYPSUM BOARD ON BOTH SIDES. EXTEND GYPSUM BOARD TIGHT TO STRUCTURE/DECK ABOVE. REFER TO FLOOR PLAN FOR SPECIFIC CONDITION (U.L. #U465). SEE DETAIL C/A12.1. REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GA. AND SPACING.
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	(N) INSULATION AT RESTROOM/SALES WALL: METAL STUDS (6" (152mm) AT PLUMBING WALL) WITH 5/8" (16mm) GYPSUM BOARD ON BOTH SIDES. FILL WITH 3 1/2" (89mm) FRICTION-FIT BATT INSULATION AT RESTROOM/SALES WALL FOR SOUND ATTENUATION. STIC 42 OR BETTER. RUN INSULATION FROM FLOOR SLAB TO BOTTOM OF CEILING. SEE DETAIL E/A12.1. REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GA. AND SPACING.

HATCH WALL TYPE / DESCRIPTION	
	COLUMN NOTES: GENERAL CONTRACTOR TO WRAP ALL STRUCTURAL WALL COLUMNS WITHIN LEASED SPACE WITH 5/8" (16mm) GYPSUM BOARD TYPE 'X' FIRE-RATED ENCLOSURE TO OBTAIN REQUIRED RATING AS ESTABLISHED BY STATE AND LOCAL CODES AND/OR BY LANDLORD. COLUMNS ARE TO BE WRAPPED AS TIGHT AS POSSIBLE TO MAINTAIN A MINIMUM SIZE ENCLOSURE, UNLESS NOTED OTHERWISE ON DRAWINGS.
	(N) EXTERIOR WALL: 16 GA MIN. 3 5/8" (92mm) METAL STUDS @ 16" (406mm) O.C. MAX. WITH 5/8" (16mm) GYPSUM BOARD ON INSIDE FACE OF EXTERIOR WALL. TIGHT TO STRUCTURE ABOVE. FILL WITH 3 1/2" (89mm) FRICTION-FIT BATT INSULATION AND 1/4" MIL VAPOR BARRIER. REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GA. AND SPACING.
	(N) PARTIAL HEIGHT WALL (FLOOR CABINET): (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD ON METAL STUDS. TOP OF WALL VARIES SEE DETAIL N/A11 FOR WBC. REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GA. AND SPACING.
PARTITION GENERAL NOTES	
1. ALL LIGHT GAGE METAL FRAMING TO COMPLY WITH THE SSMA (STEEL STUD MANUFACTURERS ASSOCIATION) TABLES AND GUIDELINES. REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GAGE AND SPACING. FOR WALLS UNDER DIFFERENT LOADING CONDITIONS OR HEIGHTS, REFER TO THE SSMA TABLES.	
2. REFER TO STRUCTURAL DRAWINGS FOR ALL BRACING, SLAB ATTACHMENT, AND STRUCTURE/HEAD CONNECTION REQUIREMENTS. REFER TO SHEET S01 FOR DETAIL SIZES AND GAGES. REFER TO CABINET DETAILS AS INDICATED ON THE FLOOR PLAN FOR FURTHER INFORMATION.	
3. GENERAL CONTRACTOR TO CONFIRM ACTUAL FIELD CONDITIONS AND COMPLY WITH INDICATED INSTRUCTIONS. EXISTING DEMISING WALLS SHORT OF DECK: REPAIR AND/OR REPLACE DRYWALL SURFACES TO LIKE NEW CONDITION. EXISTING DEMISING WALLS TIGHT TO DECK: INSTALL ADDITIONAL METAL FRAMING AND DRYWALL AS REQUIRED TO COMPLETE DEMISING WALL TIGHT TO DECK.	
4. GENERAL CONTRACTOR TO CONFIRM ACTUAL FIELD CONDITIONS AND COMPLY WITH INDICATED INSTRUCTIONS. EXISTING DEMISING WALLS SHORT OF DECK (REQUIRED DUE TO COMMON HVAC PLenum AND APPROVED BY BUILDING DEPARTMENT): INSTALL 1" (25mm) X 2" (51mm) WIRE MESH SECURITY SCREEN FROM TOP OF PARTITION TIGHT TO DECK ABOVE - G.C. MUST ADVISE BBWI'S PROJECT MANAGER OF ACTUAL FIELD CONDITIONS IN ORDER TO OBTAIN SPECIFIC INSTALLATION INSTRUCTIONS.	

Some of the hatched areas are very difficult to read and some see applicable. Also some have other verbiage printed over them and also hard to read. Remove non applicable notes and only keep what is essential for the construction of this project. Note on page A02.1a of plans but applicable to many other pages in the plans.

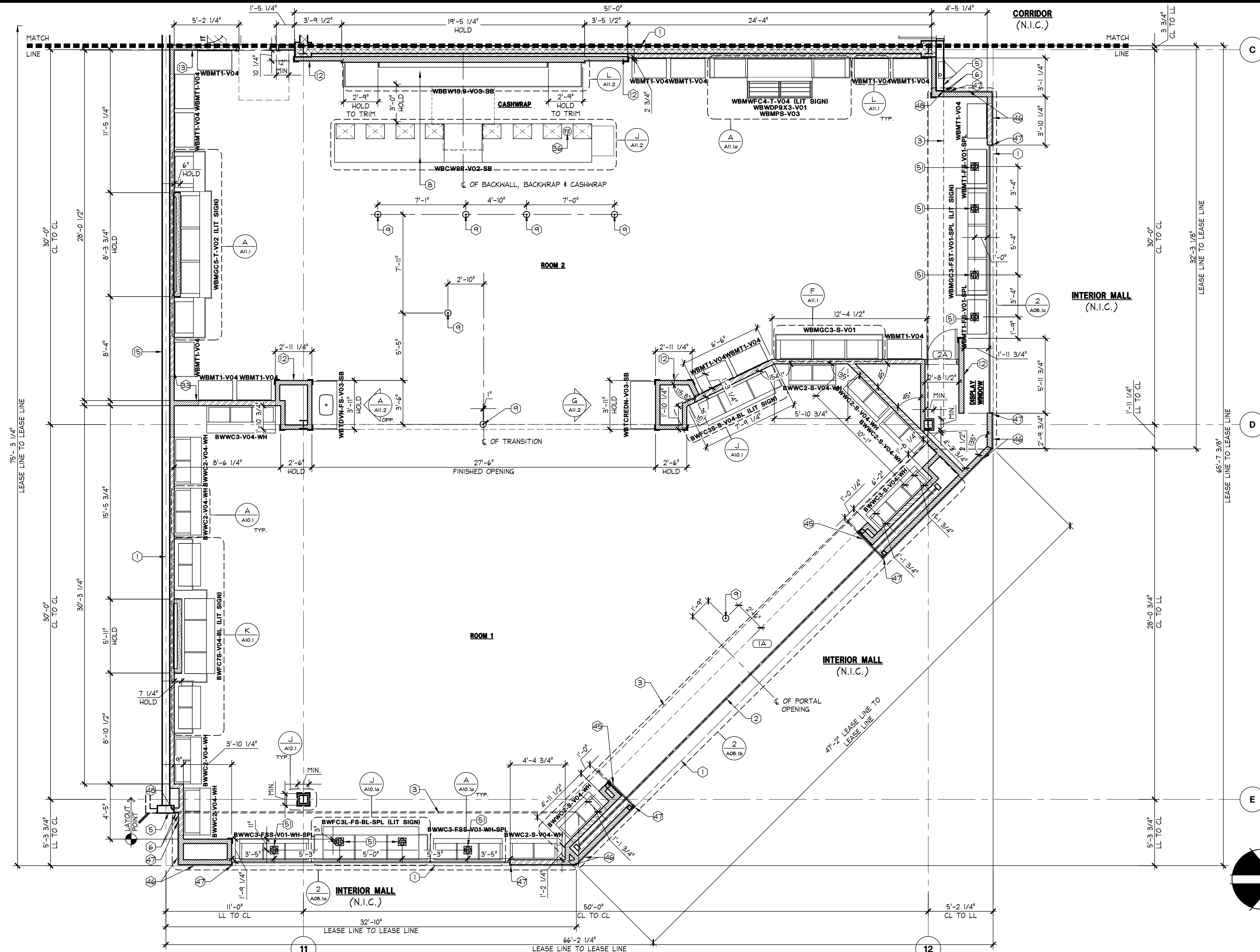
CONSTRUCTION PLAN KEYNOTES

REFER TO SHEET A00.2 DOOR SCHEDULE

UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TO FINISH FACE OF WALL

- CONSTRUCTION PLAN NOTES:**
- EXISTING FLOOR SLAB SHALL BE LEVEL, WITH MAXIMUM ALLOWABLE SLOPE OF 1/8" (3mm) PER 10 FEET (3048mm). CONTRACTOR TO VERIFY EXISTING CONDITIONS AND LEVEL AS REQUIRED.
 - G.C. TO LEVEL EXISTING FLOOR AT CASHWRAP/BACKWRAP AREA USING LATEX LEVELING COMPOUND. TAPER EDGES DOWN TO TOP OF FLOOR SLAB (1/16" (1.6mm) PER FOOT (305mm) MAXIMUM TAPER). FLOORING TO CONTINUE UNDERNEATH CASHWRAP & BACKWRAP
 - FIRE ALARM/STROBE - AUDIO/VISUAL ALARM SYSTEMS WILL COMPLY WITH ADA REQUIREMENTS. MOUNT/SUSPEND ALARM SO AS NOT TO INTERFERE WITH DISPLAY FIXTURES.

ADJACENT TENANT (N.I.C.)



PARTITION LEGEND

NO SCALE
D
08.19.22

CONSTRUCTION PLAN

1/4" = 1'-0"
42P-A02.1-A00-PLAN
09.24.21

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REGISTERED ARCHITECT
11/14/2022
BOGDAN COOPER
STATE OF WASHINGTON

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Telephone: 614.415.7000 - Fax: 614.415.7349

104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
FOTALLUP, WA 98373

REVISIONS:

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

CONSTRUCTION PLAN

DRAWING NUMBER:
A02.1a

PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
FOTALLUP, WA 98373

REVISIONS:

REQUIRED BY: _____ DATE: _____

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

CONSTRUCTION PLAN

DRAWING NUMBER:
A02.1a

- 1 LEASE LINE
- 2 LINE OF SLIDING GRILLE
- 3 LINE OF EXISTING BULKHEAD ABOVE, SHOWN DASHED
- 4 INSTALL WATER-RESISTANT GYP. BD. @ TOILET ROOM AND DRINKING FOUNTAIN WALLS, TYP. INSTALL WATERPROOF MEMBRANE UP TO 6" (152mm) A.F.F. ON WALLS PRIOR TO FINISH INSTALLATION
- 5 (E) NEUTRAL PIER / (E) WALL FACADE
- 6 REFINISHED METAL PANEL
- 7 G.C. TO INSTALL TACTILE EXIT SIGNAGE. REFER TO DETAIL L/A18.1
- 8 LEVEL EXISTING FLOOR AT CASHWRAP AND BACKRAMP AREA
- 9 FLOOR OUTLET. REFER TO ELECTRICAL DRAWINGS
- 10 ELECTRICAL PANELS - SEE ELECTRICAL DRAWINGS. INSTALL PLYWOOD ON FACE OF WALL FURRING AS REQD FOR BACKING. DASHED LINE INDICATES MIN. CLEAR FLOOR SPACE REQD IN FRONT OF PANELS
- 11 (6) INDIVIDUAL HOOKS. REFER TO DETAIL P2 AND P3/A13.1
- 12 G.C. TO INSTALL 1/2" WALL METAL BLOCKING FOR DECOR ATTACHMENT. REFER TO DETAIL L/A12.1
- 13 SALES/ON-SALES WALL. FULL-HEIGHT GYP. BD. @ NON-SALES SIDE ONLY. REFER TO DETAIL B/A12.1
- 14 (E) FIXED SHELVING UNITS - ANCHOR TO FLOOR AND SECURE TO WALL. REFER TO DETAIL A/A14.1
- 15 (E) DEMISING WALL
- 16 G.C. TO PROVIDE (3) SHELVES ON OWNER SUPPLIED STANDARDS AND BRACKETS ON WALL ABOVE MICROWAVE/REFRIGERATOR, SAFE, LOCKERS & BREAK COUNTER. SEE DETAIL L & R/A14.1. DEPTH OF SHELVING @ MICRO/FRIDGE TO BE 18" (457mm) MIN.
- 17 LEAVE BOTTOM (2) SHELVES OUT OF (E) FIXED SHELVING UNIT FOR LOCATING MOBILE MARKETING CART. REFER TO A14.1
- 18 PERIMETER SHELVING W/ WALL-MOUNTED STANDARDS. REFER TO C/A14.1
- 19 DRINKING FOUNTAIN W/ REMOTE COMPRESSOR. REFER TO DETAIL S/A13.1
- 20 LOCKED BACKROOM CONTAINER. REFER TO J/A14.1
- 21 48" (1219mm) MTL. CORNER GUARD @ NON-SALES AREA. INSTALL TIGHT TO FLOOR.
- 22 PLAN TUBE HOLDER MOUNTED UNDER PHONE/DATA BOARD. REFER TO DETAIL J/A13.1
- 23 BREAK COUNTER. REFER TO P/A13.1
- 24 MARKETING CART
- 25 EMPLOYEE LOCKERS. INSTALL BLOCKING FOR ATTACHMENT TO WALL. REFER TO R/A14.1
- 26 IT CABINET ON CASTERS - REFER TO DETAIL R/A13.1

- 27 PROCESSING AREA. REFER TO SHEET C2/A14.1 FOR SHELVING DETAIL.
- 28 24" X 48" F.R.T. PLYWOOD MOUNTED TO WALL @ 5'-0" (1524mm) A.F.F. (TO BOTTOM) FOR PHONE AND DATA EQUIPMENT
- 29 MUSIC CONTROL SYSTEM - SEE ELECTRICAL DRAWINGS
- 30 MICROWAVE. REFER TO DETAIL L/A14.1
- 31 MANAGER'S DESK - REFER TO DETAIL J/A14.1
- 32 STOCKING CART
- 33 WALL CONTAINING DRAIN LINE FOR DEMO SINK W/ MODIFIED FRAMING PER DETAIL K/A12.1
- 34 (E) BAKERS RACK
- 35 PAINTED STEEL MAGNETIC MARKER BOARD, SEE A07.X FOR MOUNTING HEIGHT/CONFIGURATION
- 36 FIRE EXTINGUISHER LOCATION. EXTINGUISHER TO HAVE MINIMUM RATING OF 2-A/10BC. G.C. TO LOCATE SO THAT MAXIMUM DISTANCE BETWEEN THEM IS NO MORE THAN 75'-0" (22860mm). COORDINATE EXACT LOCATION WITH OWNER'S PROJECT MANAGER & FIRE MARSHAL. MOUNT WITH TOP NO HIGHER THAN 48" (1219mm) OFF THE FLOOR.
- 37 SAFE SECURED TO FLOOR
- 38 BREAK AREA STOOLS
- 39 G.C. TO REFINISH (E) GYP. BD. WALL TO LIKE NEW CONDITION
- 40 TABLET CHARGING STATION AND COUNTER. REFER TO L/A14.1
- 41 REFRIGERATOR. REFER TO DETAIL L/A14.1
- 42 GALLON TOTE
- 43 GALLON DRUM
- 44 (E) 1 1/2" DIA. VERTICAL D.C.W. FROM SLAB WITH VALVE @ 6'-0"
- 45 SLIDING GINGHAM METAL PANEL
- 46 BLUE GINGHAM ALUMINUM COMPOSITE PANEL
- 47 WHITE METAL TRIPS
- 48 METAL REVEAL
- 49 MOBILE SHELVING UNITS - REFER TO A & J/A14.1. LEVEL FLOOR BENEATH UNITS USING SELF-LEVELING CONCRETE TOPPING. ALLOWABLE TOLERANCE IS 1/8" PER 10'-0". FLOOR MOUNTED TRACK. REFER TO MFG'S INSTALLATION GUIDE FOR MORE INFO
- 50 (E) MOBILE SHELVING UNITS - REFER TO A & J/A14.1. LEVEL FLOOR BENEATH UNITS USING SELF-LEVELING CONCRETE TOPPING. ALLOWABLE TOLERANCE IS 1/8" PER 10'-0". FLOOR MOUNTED TRACK. REFER TO MFG'S INSTALLATION GUIDE FOR MORE INFO
- 51 FLOOR OUTLET FOR FREESTANDING FIXTURES

HATCH WALL TYPE / DESCRIPTION	
	DEMOLITION EXTENT OF DEMOLITION. REFER TO DEMOLITION PLAN.
	DEMISING (E) DEMISING WALLS: G.C. TO REPAIR OR REPLACE 5/8" (16mm) GYPSUM BOARD TYPE 'X' IF REQUIRED TO MAINTAIN FIRE RATING (U.L. #U465). SEE NOTE ON DEMOLITION PLAN FOR EXISTING CONSTRUCTION.
	(E) CMU WALL
	(E) CONCRETE WALL
	(N) DEMISING WALL: (1) LAYER 5/8" (16mm) GYPSUM BOARD (BOTH SIDES) ON METAL STUD FRAMING. TIGHT TO DECK ABOVE - ONE HOUR RATED (U.L. #U465). SEE DETAIL C/A12.1. VERIFY RESPONSIBILITY OF CONSTRUCTION
	INTERIOR PARTITIONS SEE STRUCTURAL DRAWINGS FOR STOREFRONT & LEDGE FRAMING. REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GA. AND SPACING.
	(N) ONE HOUR RATED PARTITION WALL: METAL STUDS WITH 5/8" (16mm) TYPE 'X' GYPSUM BOARD ON BOTH SIDES. EXTEND GYPSUM BOARD TIGHT TO STRUCTURE/DECK ABOVE. REFER TO FLOOR PLAN FOR SPECIFIC CONDITION (U.L. #U465). SEE DETAIL C/A12.1. REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GA. AND SPACING.
	(N) PARTITION WALL (CABINETS): WALL FINISH (VARIES - REFER TO FINISH PLAN) ON METAL STUDS WITH 1/2" GA. STUD BLOCKING. SEE DETAILS B, L & R/A10.1, B & F/A11.0, AND B & F/A11.0. REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GA. AND SPACING.
	(N) PARTITION WALL: (1) LAYER 5/8" (16mm) GYPSUM BOARD ON METAL STUDS. INSTALL GYP. BD. ON ONE SIDE ONLY AT BACK TO BACK OR AT PERIMETER WALL CONDITIONS. SEE DETAILS A,B,D,F/A12.1 REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GA. AND SPACING.
	(N) INSULATION AT RESTROOM/SALES WALL: METAL STUDS (6" (152mm) AT PLUMBING WALL) WITH 5/8" (16mm) GYPSUM BOARD ON BOTH SIDES. FILL WITH 3 1/2" (89mm) FRICTION-FIT BATT INSULATION AT RESTROOM/SALES WALL FOR SOUND ATTENUATION. 5TC #2 OR BETTER. RUN INSULATION FROM FLOOR SLAB TO BOTTOM OF CEILING. SEE DETAIL E/A12.1. REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GA. AND SPACING.

HATCH WALL TYPE / DESCRIPTION	
	COLUMN NOTES: GENERAL CONTRACTOR TO WRAP ALL STRUCTURAL WALL COLUMNS WITHIN LEASED SPACE WITH 5/8" (16mm) GYPSUM BOARD TYPE 'X'. FIRE-RATED ENCLOSURE TO OBTAIN REQUIRED RATING AS ESTABLISHED BY STATE AND LOCAL CODES AND/OR BY LANDLORD. COLUMNS ARE TO BE WRAPPED AS TIGHT AS POSSIBLE TO MAINTAIN A MINIMUM SIZE ENCLOSURE, UNLESS NOTED OTHERWISE ON DRAWINGS.
	(N) EXTERIOR WALL: 18 GA MIN., 3 5/8" (92mm) METAL STUDS @ 16" (406mm) O.C. MAX. WITH 5/8" (16mm) GYPSUM BOARD ON INSIDE FACE OF EXTERIOR WALL TIGHT TO STRUCTURE ABOVE. FILL WITH 3 1/2" (89mm) FRICTION-FIT BATT INSULATION AND 4" (102mm) VAPOR BARRIER. REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GA. AND SPACING.
	(N) PARTIAL HEIGHT WALL (FOCAL CABINET): (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD ON METAL STUDS. TOP OF WALL VARIES SEE DETAIL N/A11.1 FOR VBC. REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GA. AND SPACING.
PARTITION GENERAL NOTES	
1. ALL LIGHT GAGE METAL FRAMING TO COMPLY WITH THE SSMA (STEEL STUD MANUFACTURERS ASSOCIATION) TABLES AND GUIDELINES. REFER TO STRUCTURAL DRAWINGS FOR REQD STUD SIZES, GAGE AND SPACING. FOR WALLS UNDER DIFFERENT LOADING CONDITIONS OR HEIGHTS, REFER TO THE SSMA TABLES.	
2. REFER TO STRUCTURAL DRAWINGS FOR ALL BRACING, SLAB ATTACHMENT, AND STRUCTURE/HEAD CONNECTION REQUIREMENTS. REFER TO SHEET S01 FOR ALL STUD SIZES AND GAUGES TO CABINET DETAILS AS INDICATED ON THE FLOOR PLAN FOR FURTHER INFORMATION.	
4. GENERAL CONTRACTOR TO CONFIRM ACTUAL FIELD CONDITIONS AND COMPLY WITH INDICATED INSTRUCTIONS. EXISTING DEMISING WALLS SHORT OF DECK: REPAIR AND/OR REPLACE DRYWALL SURFACES TO LIKE NEW CONDITION. EXISTING DEMISING WALLS SHORT OF DECK: INSTALL ADDITIONAL METAL FRAMING AND DRYWALL AS REQUIRED TO COMPLETE DEMISING WALL TIGHT TO DECK. (REQUIRED DUE TO COMMON HVAC PLENUM AND APPROVED BY BUILDING DEPARTMENT. INSTALL 1" (25mm) X 2" (51mm) WIRE MESH SECURITY SCREEN FROM TOP OF PARTITION TIGHT TO DECK ABOVE - G.C. MUST ADVISE BBW'S PROJECT MANAGER OF ACTUAL FIELD CONDITIONS IN ORDER TO OBTAIN SPECIFIC INSTALLATION INSTRUCTIONS.	

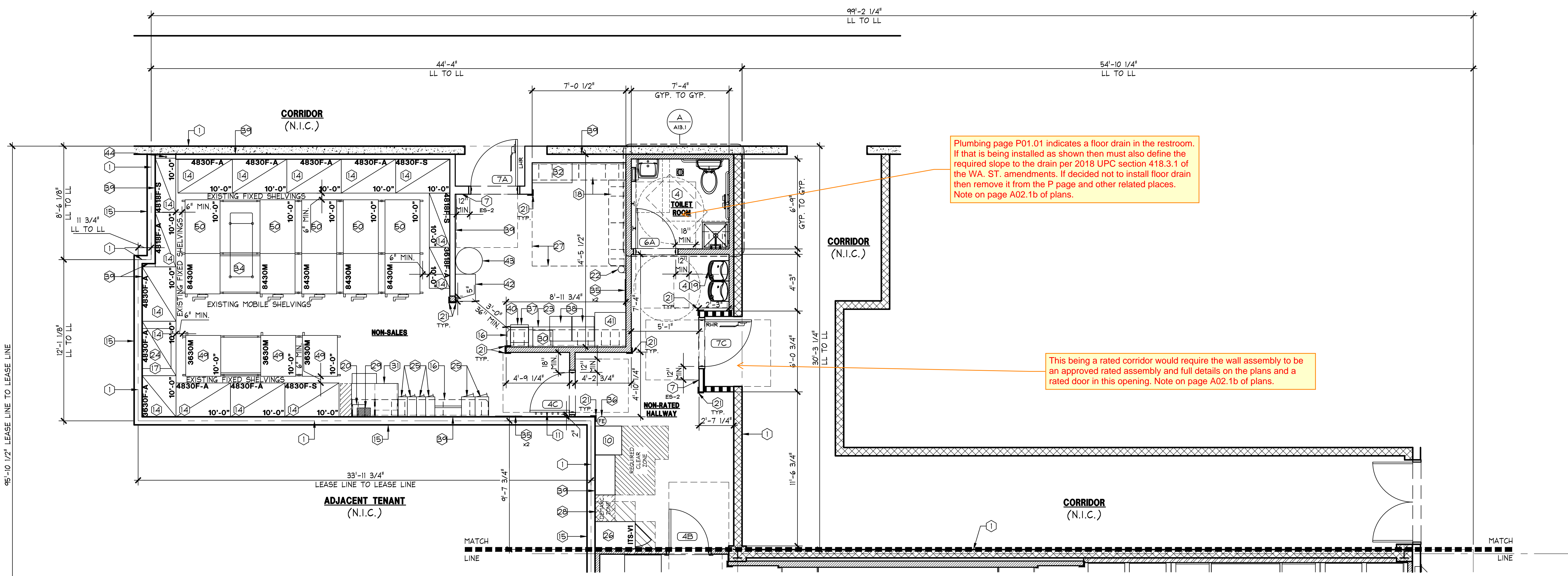
CONSTRUCTION PLAN KEYNOTES

M PARTITION LEGEND

NO SCALE D

- CONSTRUCTION PLAN NOTES:**
- EXISTING FLOOR SLAB SHALL BE LEVEL, WITH MAXIMUM ALLOWABLE SLOPE OF 1/8" (3mm) PER 10 FEET (3048mm). CONTRACTOR TO VERIFY EXISTING CONDITIONS AND LEVEL AS REQUIRED.
 - G.C. TO LEVEL EXISTING FLOOR AT CASHWRAP/BACKRAMP AREA USING LATEX LEVELING COMPOUND. TAPER EDGES DOWN TO TOP OF FLOOR SLAB (1/16" (1.6mm) PER FOOT (305mm) MAXIMUM TAPER). FLOORING TO CONTINUE UNDERNEATH CASHWRAP & BACKRAMP.
 - FIRE ALARM/STROBE - AUDIO/VISUAL ALARM SYSTEMS WILL COMPLY WITH ADA REQUIREMENTS. MOUNT/SUSPEND ALARM SO AS NOT TO INTERFERE WITH DISPLAY FIXTURES.

REFER TO SHEET A00.2 DOOR SCHEDULE
UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TO FINISH FACE OF WALL



CONSTRUCTION PLAN

1/4" = 1'-0"
42P-A02-A00-PLAN 03.24.21

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8768 REGISTERED ARCHITECT
BOGDAN COOPER
STATE OF WASHINGTON
11/14/2022

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Telephone: 614.415.7000 · Fax: 614.415.7349

104.01.0737.01

BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
FOTALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBW PROJECT #: 00116082

PACKAGE: A/E PROJECT #:
GENERATION: 23150.00
20221012.0

SSIS PKG. 2
20221012.0

REVISIONS:

NO.	DESCRIPTION	DATE

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

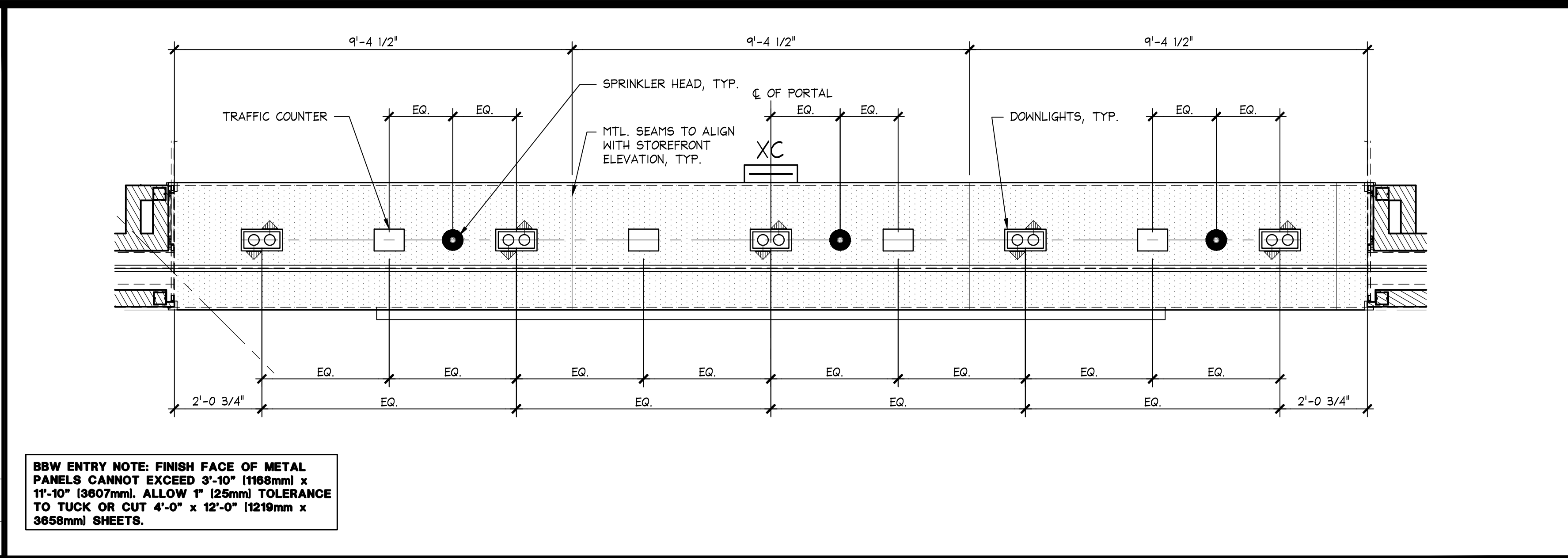
CONSTRUCTION PLAN

DRAWING NUMBER:
A02.1b

SYMBOL	DESCRIPTION
	RECESSED DOWNLIGHT
	TRACK w/ TRACK HEADS
	LED STRIPS - SURFACE MOUNTED
	LED STRIPS - CHAIN-HUNG FROM STRUCTURE 1/2"-0" (3658mm) A.F.F.
	EGRESS SIGNAGE - WBC: CEILING MOUNTED (UNLESS INDICATED OTHERWISE)
	EGRESS SIGNAGE - BBW: WALL MOUNTED (UNLESS INDICATED OTHERWISE)
	EMERGENCY LIGHT
	SPEAKER
	SUPPLY DIFFUSER
	RETURN AIR GRILLE
	CEILING ACCESS PANEL
	EXHAUST AIR REGISTER
	LIVAN CAMERA - SUPPLIED AND INSTALLED BY SECURITY VENDOR
	TRAFFIC COUNTER - "WH" = WHITE (BBW)
	ROUND TRAFFIC COUNTER - WHITE
	WHITE FINISH DECORATIVE PENDANT WITH CUSTOM 18" HARD STEM FOR FIXTURE
	DECORATIVE BACKRAP PENDANT

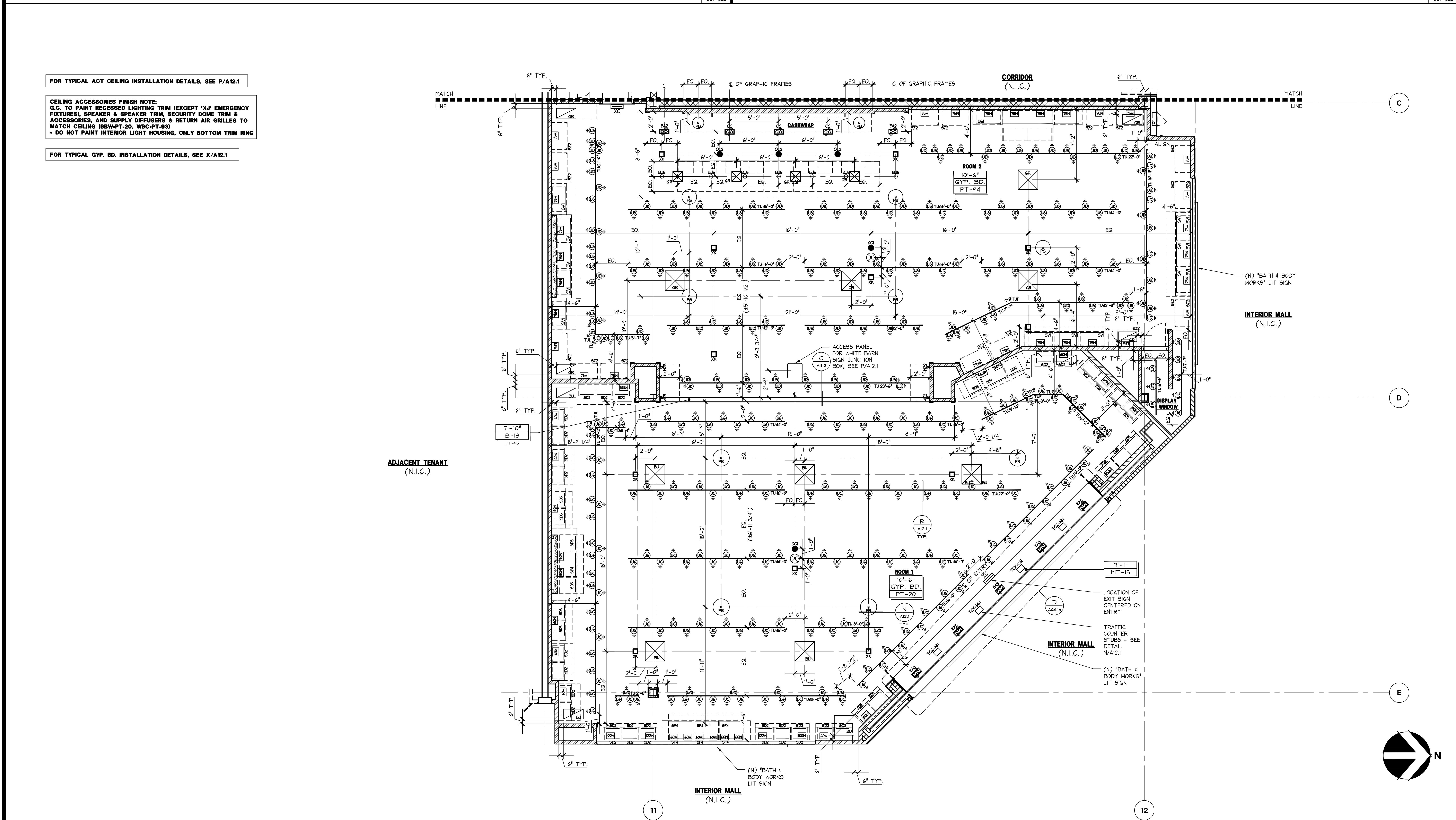
NOTES:

- ALL CEILING HEIGHTS ARE FROM THE TOP OF FINISH FLOOR TO UNDERSIDE OF FINISH CEILING.
- PROVIDE ADEQUATE CLEARANCES FOR FIXTURES, DUCTS, CEILINGS, AND RELATED PERTINENT ITEMS NECESSARY TO MAINTAIN THE SPECIFIED HEIGHTS ABOVE FINISH FLOOR.
- ADDITIONAL HANGER AND SAFETY WIRES FOR LIGHT FIXTURES, SPEAKERS AND DUCTWORK, AS REQUIRED BY LOCAL CODES, TO BE THE RESPONSIBILITY OF THE CEILING SUBCONTRACTOR.
- SPRINKLER HEAD LAYOUT TO CONFORM TO LOCAL CODE, TAKING IN ACCOUNT LOCATIONS OF DUCTWORK, LIGHTING AND LOCATION OF TENANT'S CABINET, FIXTURE AND SHELVING UNITS. SPRINKLER HEAD COLOR TO MATCH CEILING FINISH AT SALES AREAS. REFER TO P02.01 FOR MORE FINISH LOCATIONS.
- ARCHITECTURAL DRAWINGS DETERMINE LOCATION OF LUMINAIRES AND SUPERSEDE ALL OTHERS, U.O.N.
- AFTER INSTALLATION, ELECTRICAL CONTRACTOR IS TO TILT THE LAMP IN ALL "T" FIXTURES @ A 45 DEGREE ANGLE TOWARD WALL OR CABINETS.
- SEE LIGHT FIXTURE SCHEDULE ON ELECTRICAL DRAWINGS FOR FIXTURE MODEL NUMBERS KEYS TO THE LIGHTING AND CEILING LEGEND.
- NO EMERGENCY LIGHTS, EXIT LIGHTS OR SENSORS ARE TO BE PLACED ON THE PERIMETER SALES WALLS.
- REFER TO G/A10.1 FOR WOOD TRIM PROFILE LEGEND.



CEILING AND LIGHTING LEGEND
 1/4" = 1'-0"
 42L-A041-M01-LGND 08.19.22 **M**

REFLECTED CEILING PLAN AT ENTRY PORTAL
 1/2" = 1'-0"
 42L-A041-M01-LGND 08.19.22 **D**



REFLECTED CEILING PLAN
 1/4" = 1'-0"
 42P-A041-A01-PLAN 01.27.22 **A**

REFLECTED CEILING PLAN
 1/4" = 1'-0"
 42P-A041-A01-PLAN 01.27.22 **A**

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REGISTERED ARCHITECT
 15/14/2022
 BOUGLASS COUPER
 STATE OF WASHINGTON

Bath & Body Works
 Three Limited Parkway - Columbus, Ohio 43230
 Telephone: 614.415.7000 · Fax: 614.415.7349

FOR TYPICAL ACT CEILING INSTALLATION DETAILS, SEE P/A12.1

CEILING ACCESSORIES FINISH NOTE:
 G.C. TO PAINT RECESSED LIGHTING TRIM (EXCEPT 'XJ' EMERGENCY FIXTURES), SPEAKER & SPEAKER TRIM, SECURITY DOME TRIM & ACCESSORIES, AND SUPPLY DIFFUSERS & RETURN AIR GRILLES TO MATCH CEILING (BBW-PT-20, WBC-PT-83)
 • DO NOT PAINT INTERIOR LIGHT HOUSING, ONLY BOTTOM TRIM RING

FOR TYPICAL GYP. BD. INSTALLATION DETAILS, SEE X/A12.1

PROJECT INFORMATION: **104.01.0737.01**

BATH & BODY WORKS
 SOUTH HILL MALL
 SPACE NO. 235
 5500 S. MERIDIAN STREET
 FORT LUDLOW, WA 98373

SCOPE: FULL REMODEL
 DESIGN TYPE: BBW PROJECT #:

REVISIONS:

DATE ISSUED: 11/04/2022
 DESIGNED BY: TN
 DRAWN BY: AKA
 CHECKED BY: PV

REFLECTED CEILING PLAN

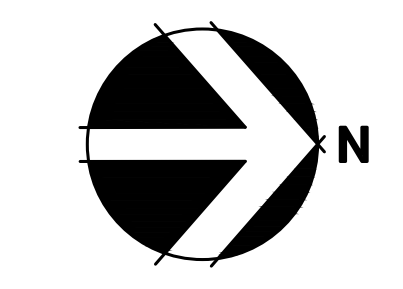
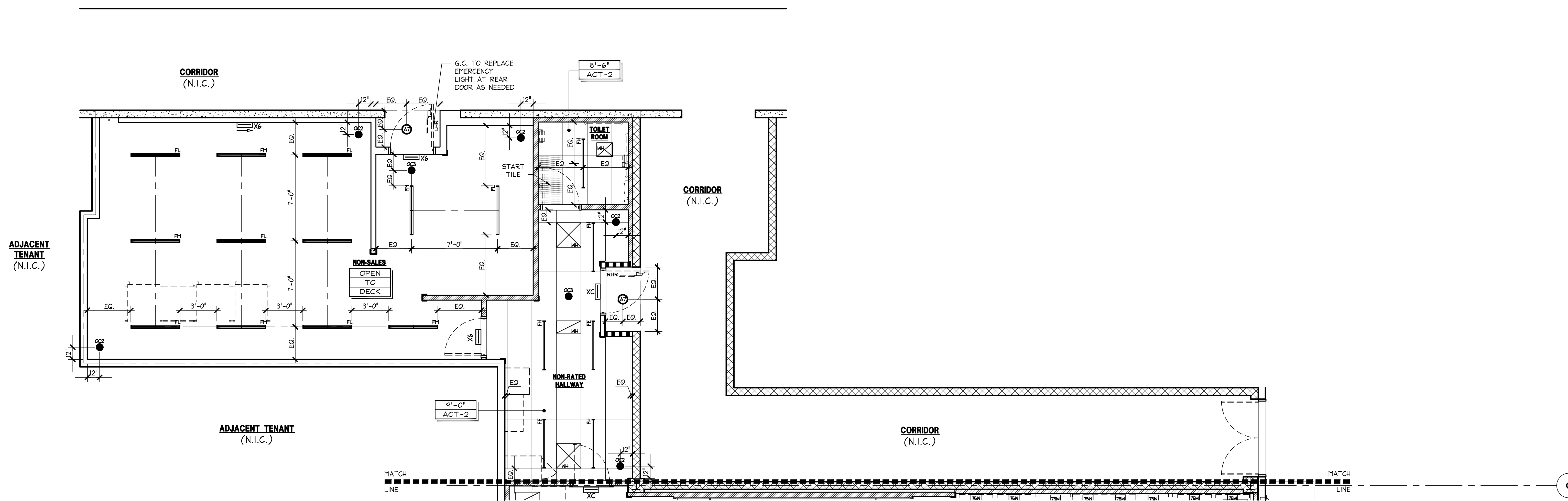
DRAWING NUMBER: **A04.1a**

SYMBOL	DESCRIPTION	NOTES
	RECESSED DOWNLIGHT	1. ALL CEILING HEIGHTS ARE FROM THE TOP OF FINISH FLOOR TO UNDERSIDE OF FINISH CEILING. 2. PROVIDE ADEQUATE CLEARANCES FOR FIXTURES, DUCTS, CEILINGS, AND RELATED PERTINENT ITEMS NECESSARY TO MAINTAIN THE SPECIFIED HEIGHTS ABOVE FINISH FLOOR. 3. ADDITIONAL HANGER AND SAFETY WIRES FOR LIGHT FIXTURES, SPEAKERS AND DUCTWORK, AS REQUIRED BY LOCAL CODES, TO BE THE RESPONSIBILITY OF THE CEILING SUBCONTRACTOR. 4. SPRINKLER HEAD LAYOUT TO CONFORM TO LOCAL CODE, TAKING IN ACCOUNT LOCATIONS OF DUCTWORK, LIGHTING AND LOCATION OF TENANT'S CABINET, FIXTURE AND SHELVING UNITS. SPRINKLER HEAD COLOR TO MATCH CEILING FINISH AT SALES AREAS. REFER TO P02.01 FOR MORE FINISH LOCATIONS. 5. ARCHITECTURAL DRAWINGS DETERMINE LOCATION OF LUMINAIRES AND SUPERSEDE ALL OTHERS, U.O.N. 6. AFTER INSTALLATION, ELECTRICAL CONTRACTOR IS TO TILT THE LAMP IN ALL "T" FIXTURES @ A 45 DEGREE ANGLE TOWARD WALL OR CABINETS. 7. SEE LIGHT FIXTURE SCHEDULE ON ELECTRICAL DRAWINGS FOR FIXTURE MODEL NUMBERS KEYED TO THE LIGHTING AND CEILING LEGEND. 8. NO EMERGENCY LIGHTS, EXIT LIGHTS OR SENSORS ARE TO BE PLACED ON THE PERIMETER SALES WALLS. 9. REFER TO G/10.1 FOR WOOD TRIM PROFILE LEGEND.
	TRACK W/ TRACK HEADS	
	LED STRIPS - SURFACE MOUNTED	
	LED STRIPS - CHAIN-HUNG FROM STRUCTURE 1/2"-0" (3658mm) A.F.F.	
	EGRESS SIGNAGE - WBC: CEILING MOUNTED (UNLESS INDICATED OTHERWISE) BBW: WALL MOUNTED (UNLESS INDICATED OTHERWISE)	
	EMERGENCY LIGHT	
	SPEAKER	
	SUPPLY DIFFUSER	
	RETURN AIR GRILLE	
	CEILING ACCESS PANEL	
	EXHAUST AIR REGISTER	
	LVAN CAMERA - SUPPLIED AND INSTALLED BY SECURITY VENDOR	
	TRAFFIC COUNTER - "HH" = WHITE (BBW)	
	ROUND TRAFFIC COUNTER - WHITE	
	WHITE FINISH DECORATIVE PENDANT WITH CUSTOM 18" HARD STEM FOR FIXTURE	2 HEADED FULLY-RECESSED LED MULTIPLE FIXTURE, SILVER FINISH, 3000K, 25 DEGREE BEAM AND HEX
	DECORATIVE PENDANT WITH CUSTOM 16.5" HARD STEM FOR FIXTURE	DECORATIVE BACKRAMP PENDANT

CEILING AND LIGHTING LEGEND

1/4" = 1'-0"
42L-A041-M01-LGND 08.19.22 **M**

FOR TYPICAL ACT CEILING INSTALLATION DETAILS, SEE P/A12.1



REFLECTED CEILING PLAN

1/4" = 1'-0"
42P-A041-A01-PLAN 01.27.22 **A**

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8768 REGISTERED ARCHITECT
11/4/2022
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Three Limited Parkway - Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF BBW AND SHALL NOT BE REPRODUCED OR COPIED IN ANY MANNER OR USED IN ANY OTHER PROJECT WITHOUT THE WRITTEN APPROVAL OF BBW. BBW SHALL BE ADVISED OF ANY REVISIONS TO THESE DRAWINGS AND SPECIFICATIONS IN WRITING BY THE ARCHITECT OR ARCHITECTURAL FIRM. BBW SHALL BE ADVISED OF ANY REVISIONS TO THESE DRAWINGS AND SPECIFICATIONS IN WRITING BY THE ARCHITECT OR ARCHITECTURAL FIRM. BBW SHALL BE ADVISED OF ANY REVISIONS TO THESE DRAWINGS AND SPECIFICATIONS IN WRITING BY THE ARCHITECT OR ARCHITECTURAL FIRM. BBW SHALL BE ADVISED OF ANY REVISIONS TO THESE DRAWINGS AND SPECIFICATIONS IN WRITING BY THE ARCHITECT OR ARCHITECTURAL FIRM.

PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
FOTALLUP, WA 98373

SCOPE: FULL REMODEL
DESIGN TYPE: BBW ES/WBC 2021
BBW PROJECT #: 00116082

PACKAGE: SIS, PKG. 2
GENERATION: 2315G.00
A/E PROJECT #: 20221012.0

REVISIONS:

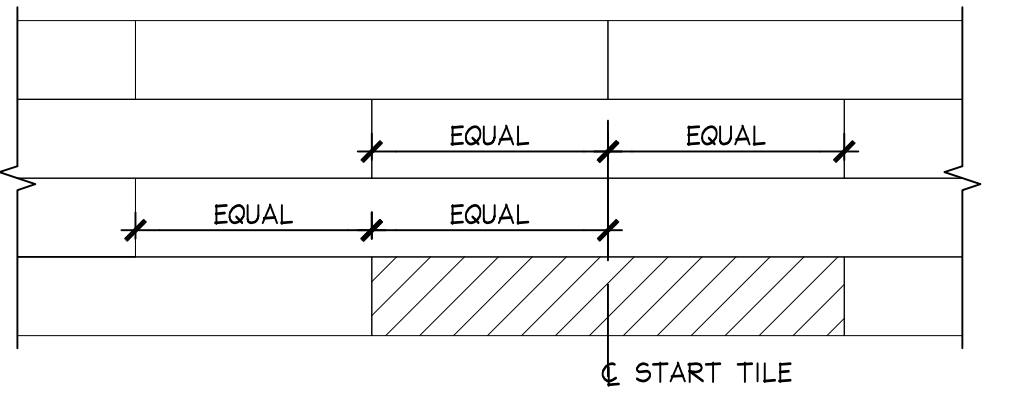
NO.	DESCRIPTION	DATE

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: AKA
CHECKED BY: PV

REFLECTED CEILING PLAN

DRAWING NUMBER:
A04.1b

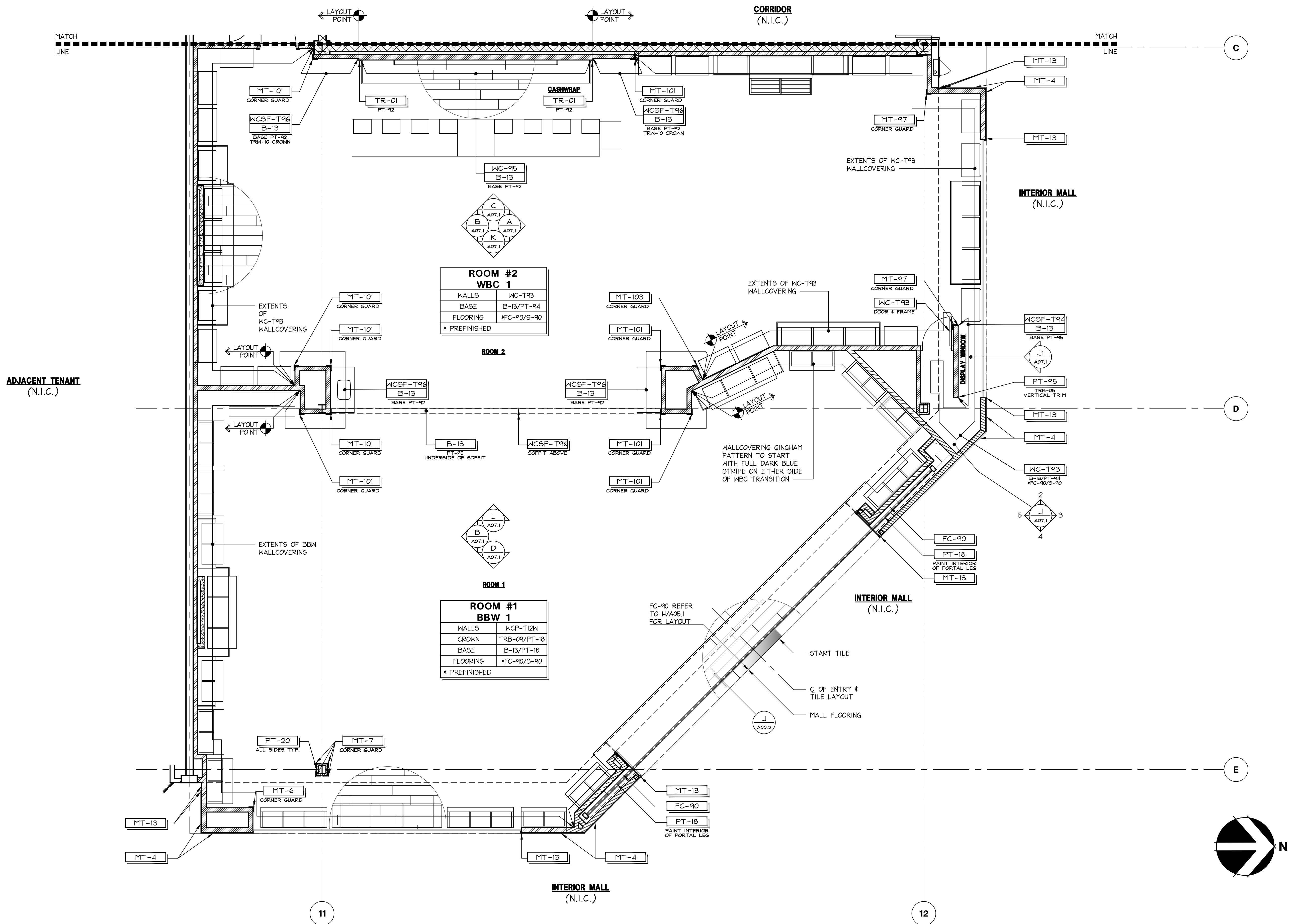
REFER TO SPECIFICATIONS DIVISION IX FOR MORE INFORMATION.
PAINT:
 1. CONTRACTOR TO REVIEW CONSTRUCTION DETAIL SHEETS, FLOOR FINISH PLAN, AND ELEVATIONS FOR HELPFUL CLARIFICATION OF ITEMS AND SURFACES TO BE PAINTED.
 2. CONTRACTOR IS TO PRIME ALL GYPSUM BOARD.
 3. ALL METAL SURFACES PAINTED BY PAINT CONTRACTOR ARE TO BE PRIMED WITH A HIGH QUALITY METAL PRIMER AND FINISHED WITH A HIGH QUALITY SEMI GLOSS PAINT U.O.N. FINISH COATS MUST NOT REVEAL BRUSH MARKS. SPRAY OR APPLY AS NEEDED.
 4. ALL WOOD SURFACES TO BE PRIMED WITH AN ALL-PURPOSE 100% ACRYLIC LATEX PRIMER AND FINISHED WITH A LATEX BASE PAINT.
 5. FOR EXTERIOR STOREFRONTS: PRIME ALL WOOD WITH ALKYD PRIMER. USE BENJAMIN MOORE MOORCRAFT SUPER SPEC - SEMI GLOSS AS BASE FOR ALL COLORS.
 6. USING NON-SHRINKING FILLER, FILL AND PUTTY ALL NAIL HOLES, COUNTERSINK SCREWS, BOLTS, CRACKS, ETC. BEFORE APPLYING FINISH.
 7. WOOD DOORS: SEAL BOTTOMS, TOPS, AND EDGES. SAND ALL WOOD DOORS BEFORE FINISHING.
 8. NAIL WOOD TRIM BOARDS IN LEAST CONSPICUOUS LOCATIONS. SET AND FINISH SMOOTH.
 9. SAND ALL WOOD SURFACES SMOOTH AND EVEN BEFORE PAINTING.
 10. SAND ENAMELED FINISHES APPLIED TO WOOD OR METAL BETWEEN COATS WITH FINE SANDPAPER TO PRODUCE SMOOTH AND EVEN FINISH.
 11. MAKE FINISH WORK UNIFORM, SMOOTH, FREE OF RUNS, SAGS, DEFECTIVE BRUSHING AND CLOGGING. MAKE EDGES OF PAINT ADJOINING OTHER MATERIALS OR COLORS SHARP AND CLEAN WITHOUT OVERLAPPING.
FLOOR COVERING:
 1. G.C. TO INSTALL LVT TILE, ALTERNATING FROM MULTIPLE BOXES AND ROTATING TILES THRU-OUT THE STORE. G.C. TO COORDINATE SPECIFIC PLANK SELECTION WHEN OFFSETTING TILE WITH PM PRIOR TO INSTALLATION. TILE SHALL BE INSTALLED IN RUNNING BOND PATTERN.



FINISH NOTES FULL 42N-A051-H00-NOTE 04.07.20

1. REFER TO SHEET A05.1 FOR STOREFRONT FINISHES
 2. REFER TO SHEET A00.1 FOR FINISH SCHEDULE
 3. REFER TO G/A10.1 FOR WOOD TRIM PROFILE LEGEND
 4. MITER ALL OUTSIDE CORNERS OF MALL BASE - COPE ALL INSIDE CORNERS
 5. TILE FLOORING TO BE SET BEFORE WOOD BASE. SCRIBE WOOD BASE TO TOP OF FLOOR AS BEST POSSIBLE AND CAULK GAPS.
 6. BACK OF HOUSE CONCRETE FLOORING: G.C. TO PREPARE EXISTING CONCRETE FLOOR AS REQUIRED BY MANUFACTURER. APPLY ONE COAT OF HARDENER, AS SPECIFIED, FOLLOWED BY TWO COATS OF CONCRETE PROTECTOR, AS SPECIFIED, AT PAINTED CLEAR FLOOR AREAS ONLY. OMIT HARDENER AND PROTECTING AGENT. PREPARE FLOOR AS REQUIRED FOR PAINTING AS DIRECTED BY PAINT MANUFACTURER. PAINT TWO COATS OF SPECIFIED PAINT.

FINISH PLAN NOTES FULL 42N-A051-D00-NOTE 08.19.22



**ROOM #2
WBC 1**

WALLS	MC-T93
BASE	B-13/PT-94
FLOORING	FC-90/S-90
* PREFINISHED	

**ROOM #1
BBW 1**

WALLS	MCP-T12N
CROWN	TRB-09/PT-18
BASE	B-13/PT-18
FLOORING	FC-90/S-90
* PREFINISHED	

GF
 www.greenbergfarrow.com
 30 Executive Park
 Suite 100
 Irvine, CA 92614
 T: 949.296.0450

8768 REGISTERED ARCHITECT
 11/14/2022
 BOULDER CREEK
 STATE OF WASHINGTON

Bath & Body Works
 Three Limited Parkway - Columbus, Ohio 43230
 Telephone: 614.415.7000 · Fax: 614.415.7349

104.01.0737.01
 BATH & BODY WORKS
 SOUTH HILL MALL
 SPACE NO. 235
 5500 S. MERIDIAN STREET
 FOTALLUP, WA 98373

PACKAGE: 23150.00
 GENERATION: 20221012.0
 A/E PROJECT #:

PROJECT INFORMATION:
 BATH & BODY WORKS
 SOUTH HILL MALL
 SPACE NO. 235
 5500 S. MERIDIAN STREET
 FOTALLUP, WA 98373

SCOPE: FULL REMODEL
 DESIGN TYPE: ES/WBC 2021
 BBW PROJECT #:

REVISIONS:
 REQUIRED BY: _____ DATE: _____
 DESIGNED BY: TN
 DRAWN BY: DH
 CHECKED BY: PV

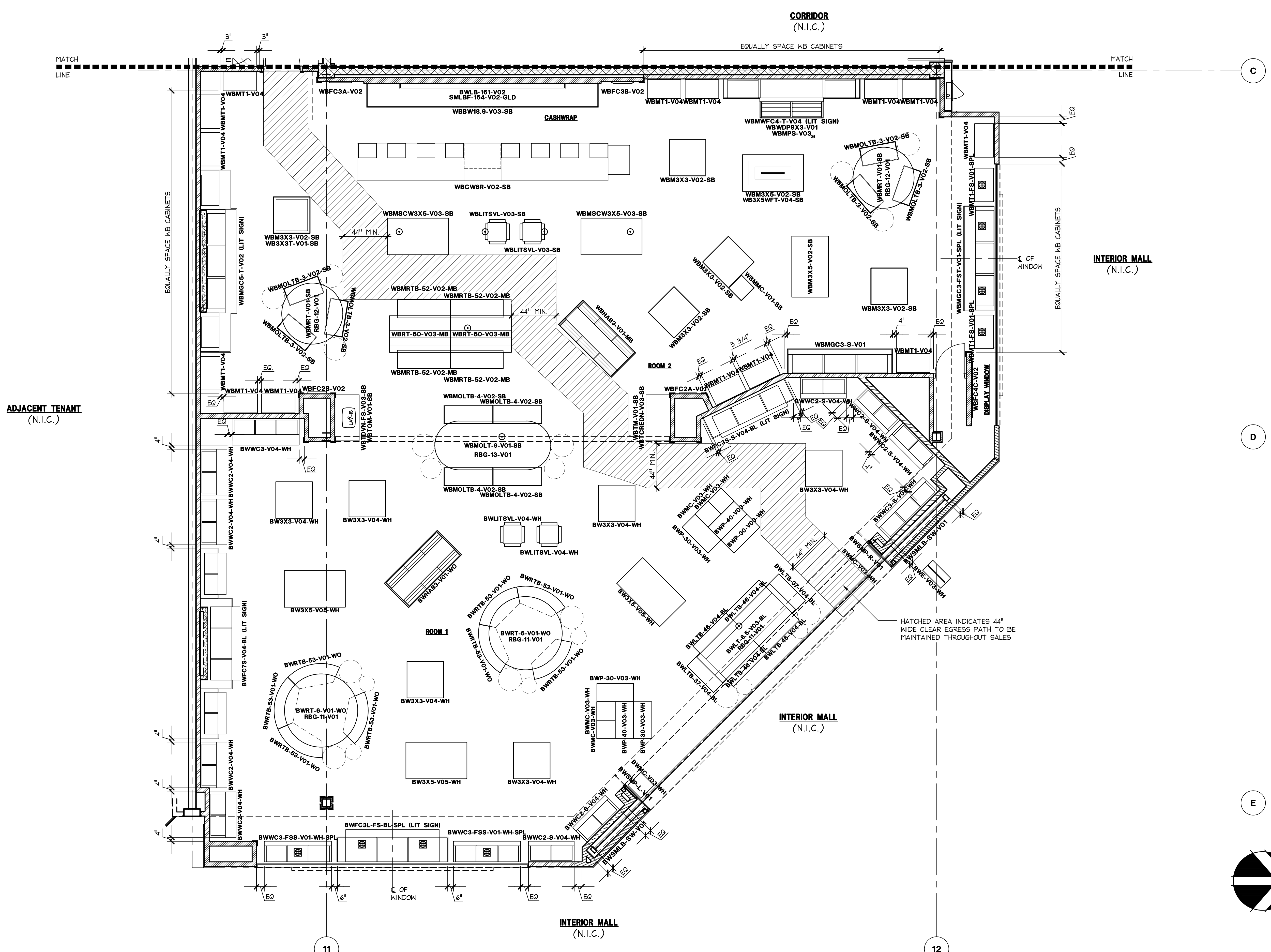
DATE ISSUED: 11/04/2022
FLOOR & WALL FINISH PLAN

DRAWING NUMBER:
A05.1a

PRESENTATION PLAN NOTES:

1. GENERAL CONTRACTOR IS RESPONSIBLE TO RECEIVE, UNPACK, ASSEMBLE AND SET ACCORDING TO THE FIXTURE PLAN ALL OWNER-FURNISHED DISPLAY FIXTURES AND PRESENTATION ITEMS. G.C. TO DISPOSE OF ALL PACKING MATERIALS ACCORDINGLY.
2. UPON COMPLETION OF CABINET INSTALLATION, GENERAL CONTRACTOR TO INSPECT EVERY CABINET TO ENSURE THAT EACH DOOR HANGS PLUMB AND TRUE, AND AT THE SAME TIME RE-TIGHTEN ALL HINGES. (FLOOR FIXTURES, PERIMETER CABINET, CASHWRAP AND BACKWRAP) G.C. TO INSPECT ALL DRAWERS & HARDWARE TO ENSURE PROPER OPERATION.
3. SEE FIXTURE DETAILS FOR INSTALLATION SEQUENCING AND SHELF LAYOUTS.
4. FIXTURE VENDORS TO PROVIDE TOUCH UP KIT FOR EACH WOOD FINISH. G.C. TO REQUEST FROM OPERATIONS PLANNER IF NOT RECEIVED. ALL SCREW HEADS AT FIXTURES, CABINETS, AND FULL PLATES TO BE PAINTED TO MATCH. USE OF MARKERS ARE PROHIBITED.
5. CONFIRM LOCATION OF GABLED CABINETS IN WHITE BARN CANDLE PRIOR TO INSTALLATION.
6. CONFIRM SHELF SPACING FOR ALL WHITE BARN CANDLE FIXTURES WITH PROJECT MANAGER PRIOR TO INSTALL.

OVERALL STORE DEPTH: 99'-2 3/8" [30234mm]
OVERALL STORE WIDTH: 95'-10 1/2" [29223mm]



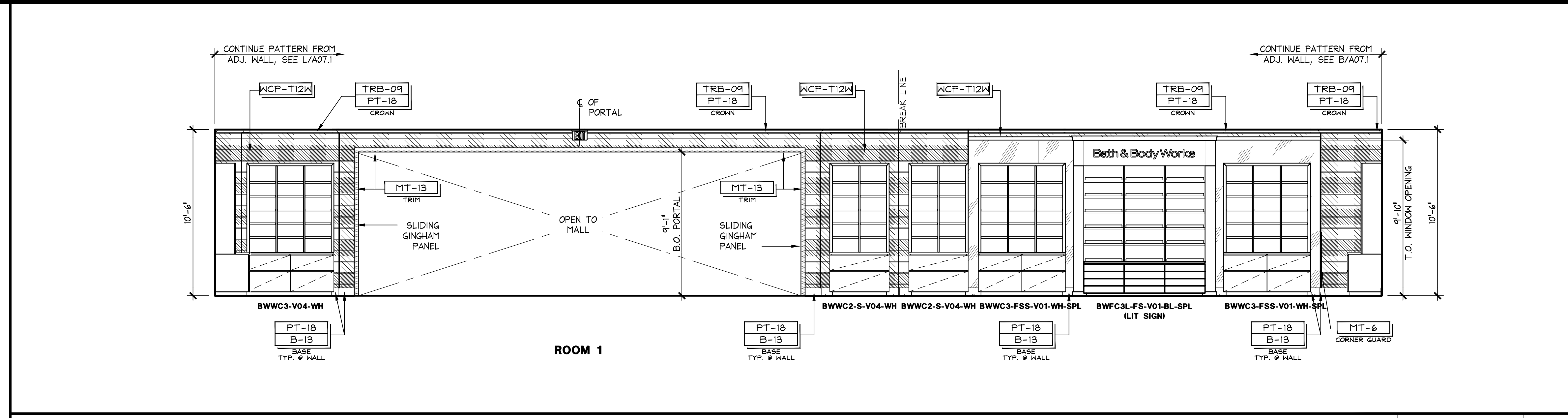
REVISIONS:

NO.	DESCRIPTION	DATE

DATE ISSUED: 11/04/2022
 DESIGNED BY: TN
 DRAWN BY: DH
 CHECKED BY: PV

PRESENTATION PLAN

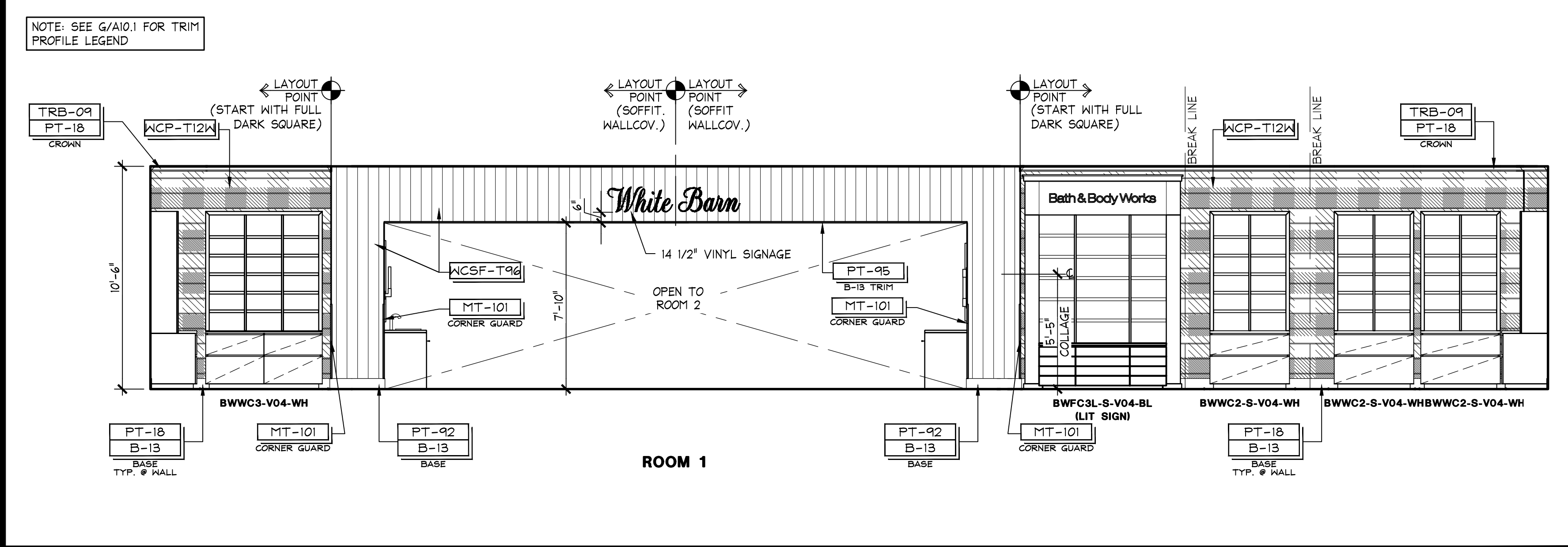
DRAWING NUMBER:
A06.1a



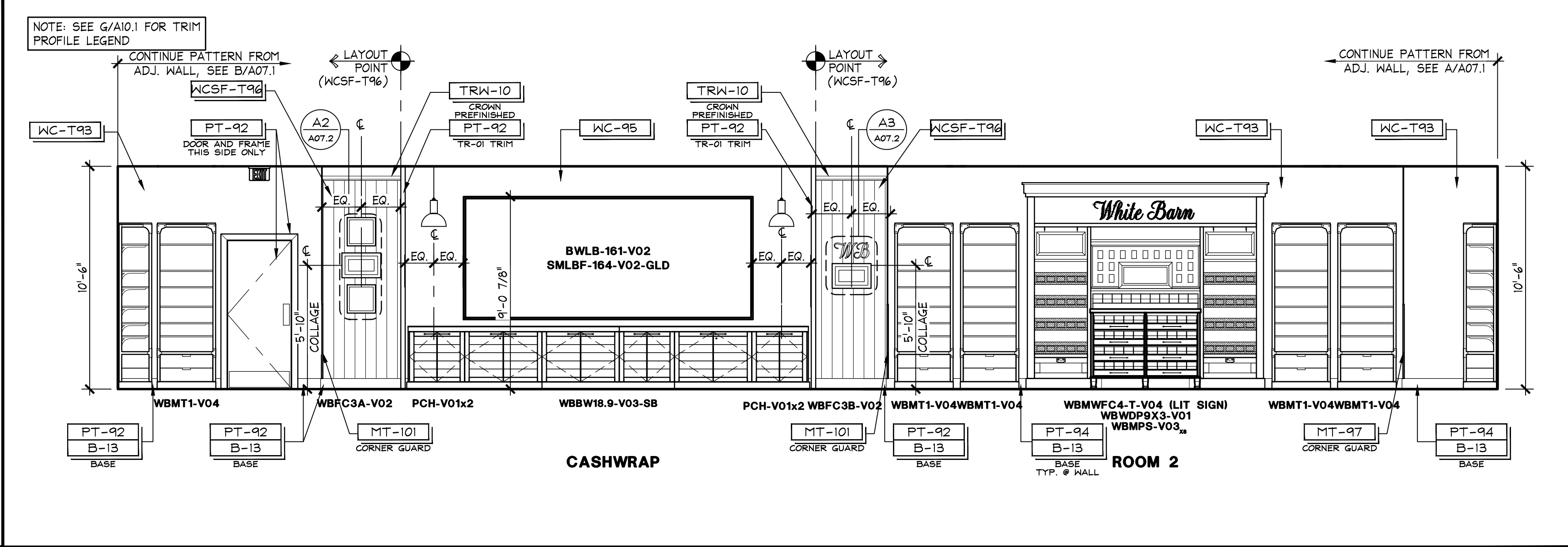
INTERIOR ELEVATION 1/4" = 1'-0" D 09.24.21



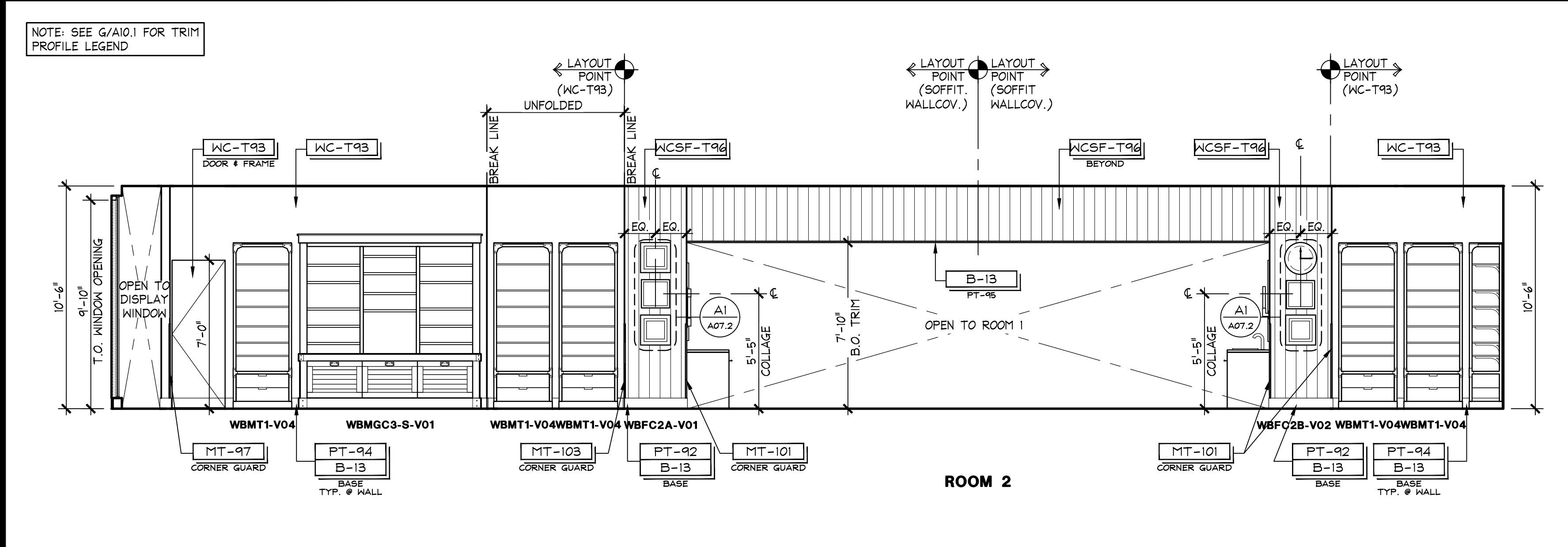
INTERIOR ELEVATION 1/4" = 1'-0" D 09.24.21



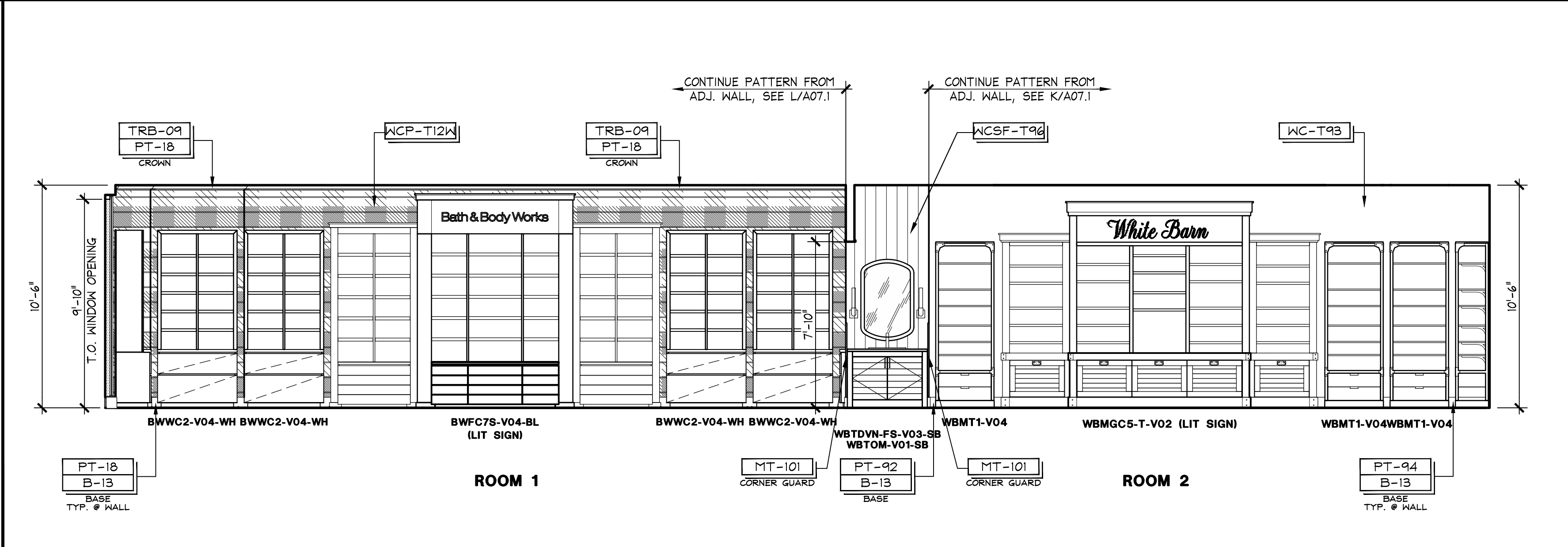
INTERIOR ELEVATION 1/4" = 1'-0" L 06.19.22



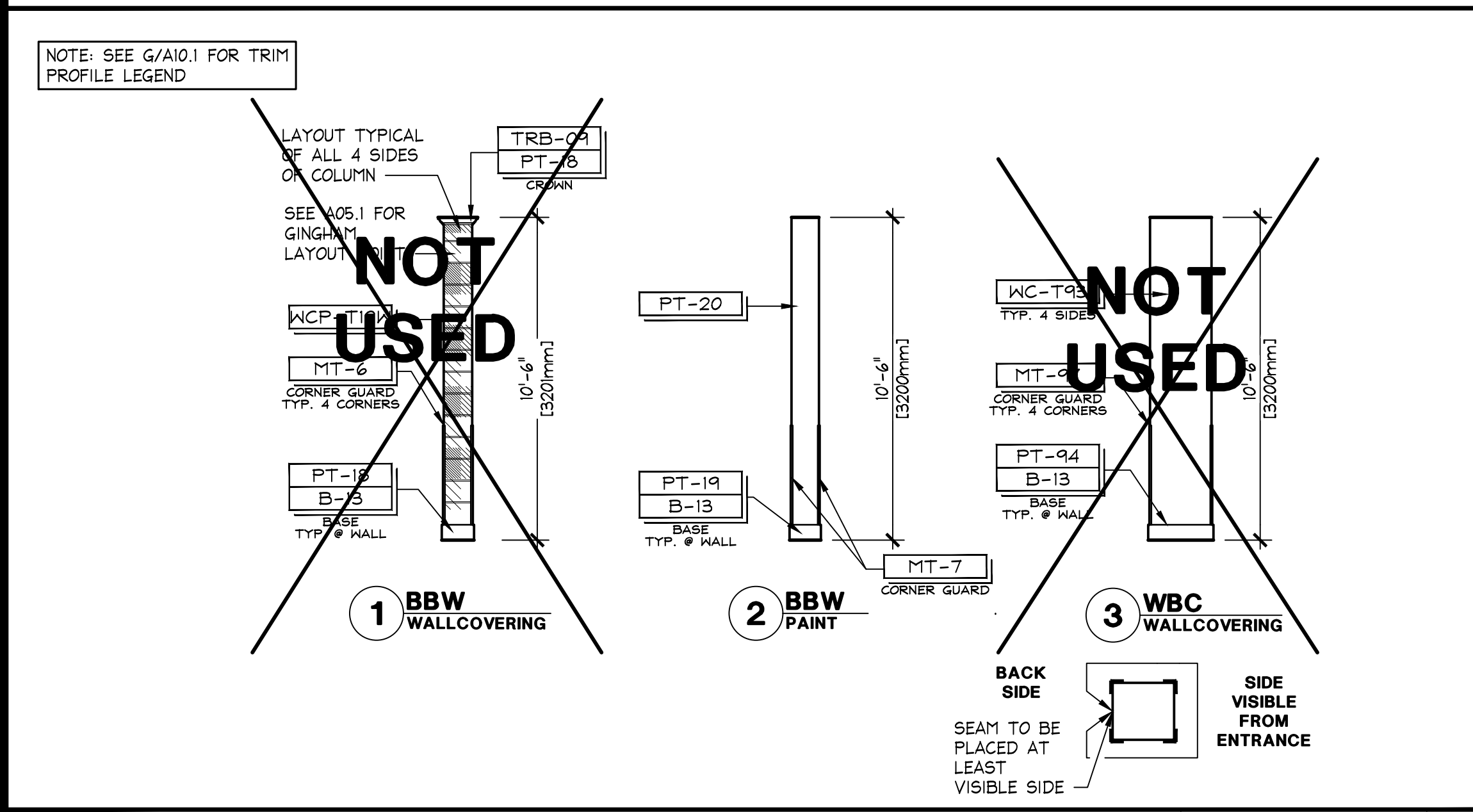
INTERIOR ELEVATION 1/4" = 1'-0" C 06.19.22



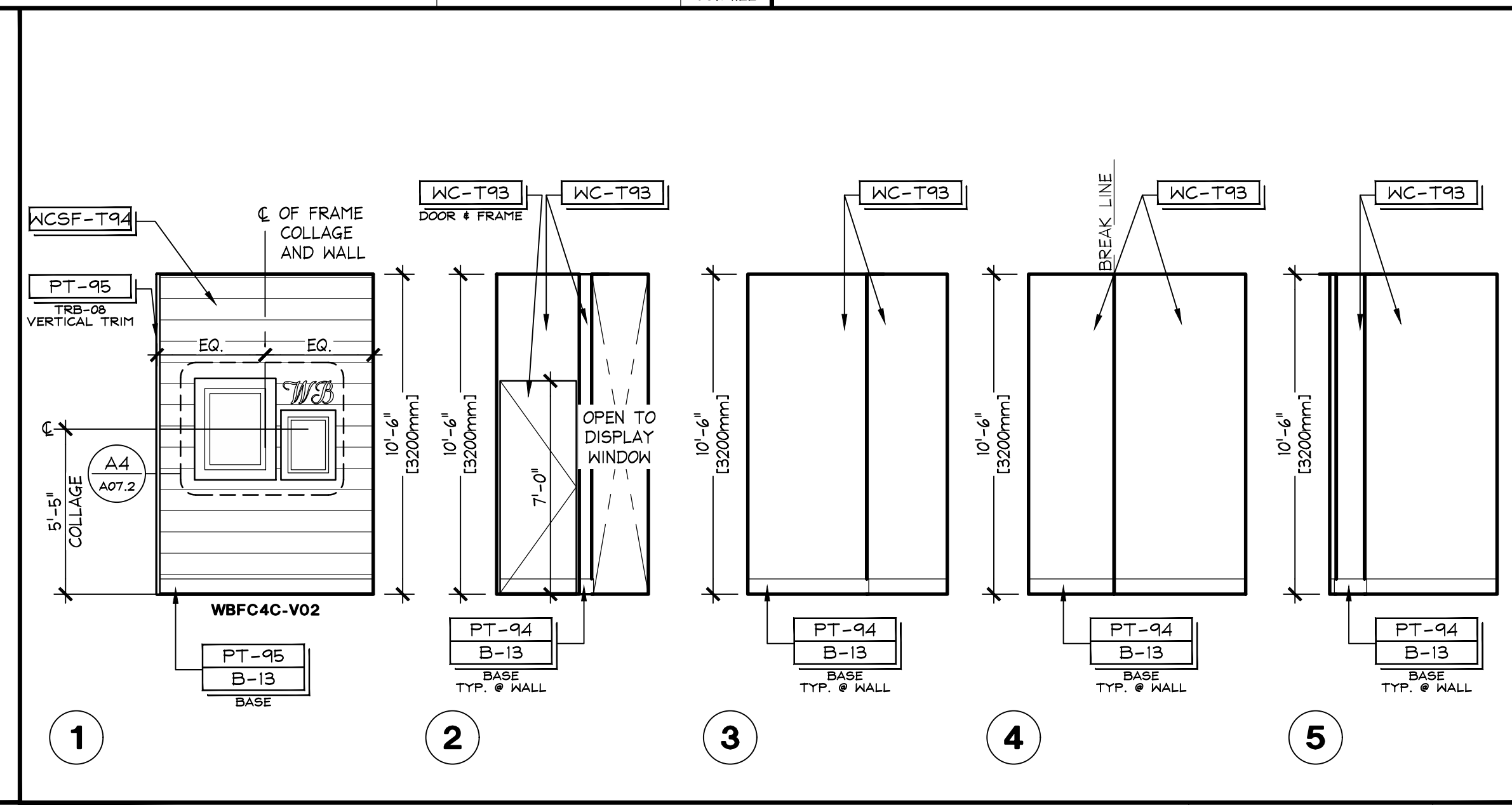
INTERIOR ELEVATION 1/4" = 1'-0" K 06.19.22



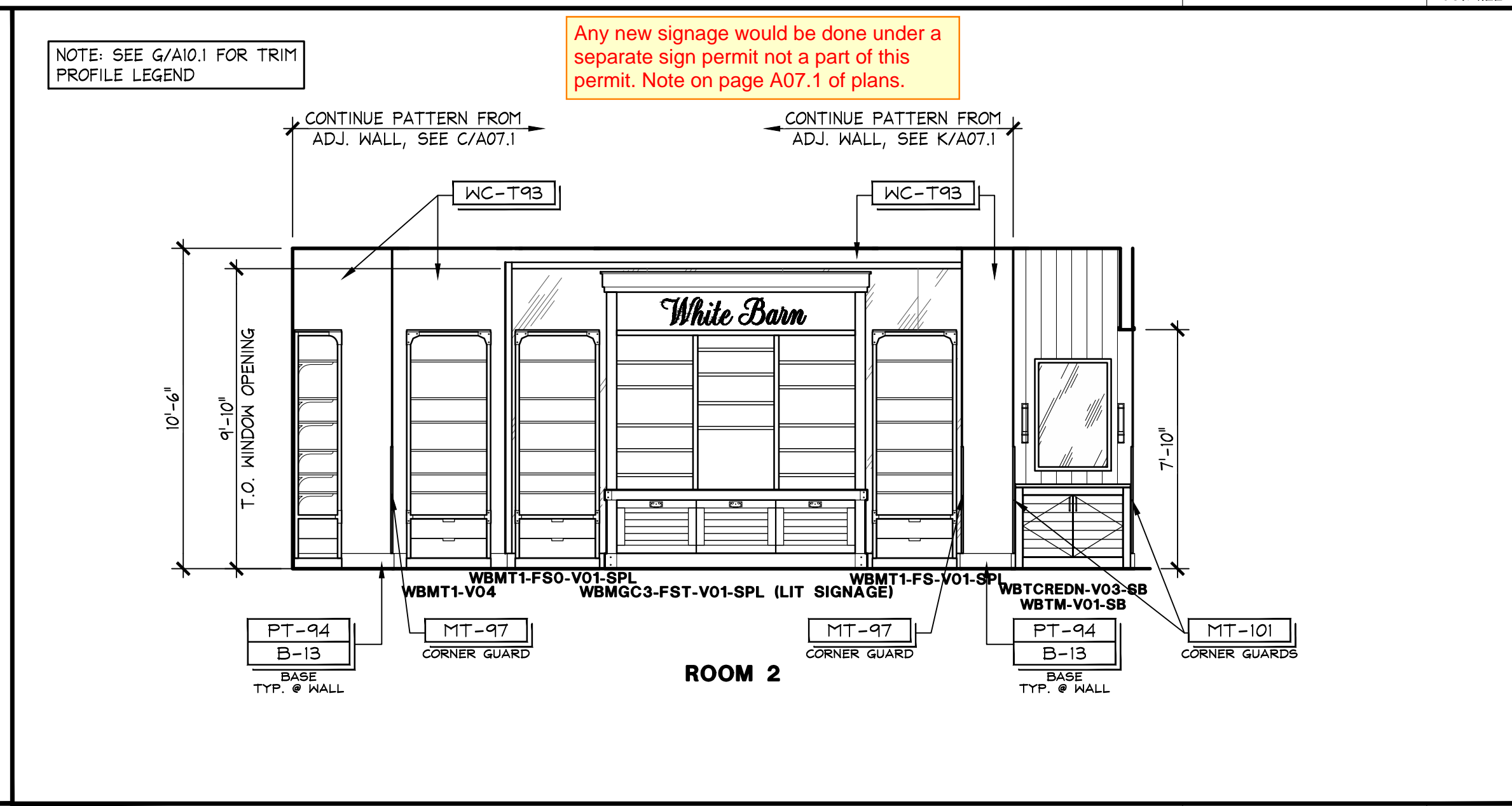
INTERIOR ELEVATION 1/4" = 1'-0" B 06.19.22



INTERIOR ELEVATION 1/4" = 1'-0" N 06.19.22



DISPLAY WINDOW ELEVATION 1/4" = 1'-0" J 06.19.22



INTERIOR ELEVATION 1/4" = 1'-0" A 06.19.22

104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
FALLS CHURCH, VA 22034

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CHECKED BY: DH
PV

REVISIONS:

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
CHECKED BY: DH
PV

INTERIOR ELEVATIONS
DRAWING NUMBER:
A07.1

104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
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3500 S. MERIDIAN STREET
FALLS CHURCH, VA 22034

PROJECT INFORMATION:
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DATE ISSUED: 11/04/2022
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INTERIOR ELEVATIONS
DRAWING NUMBER:
A07.1

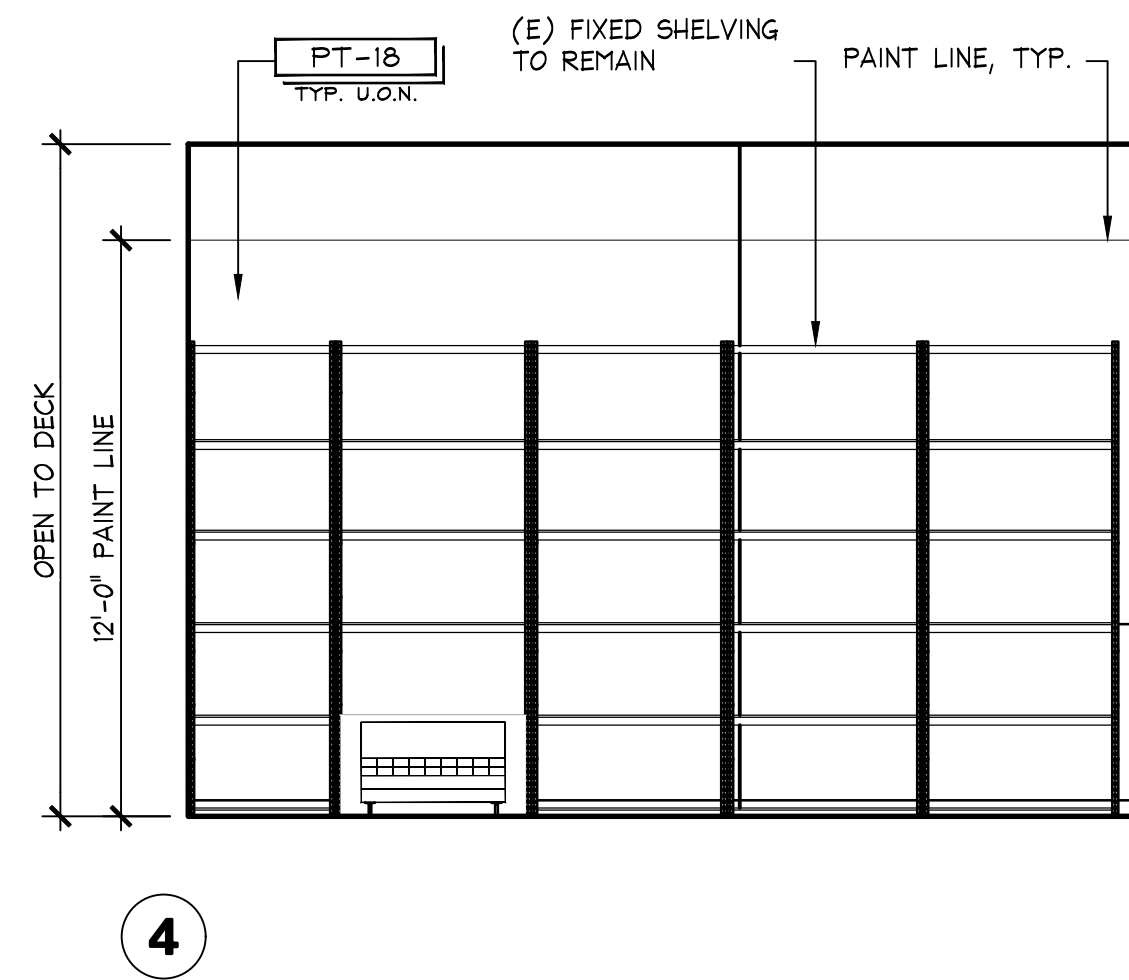
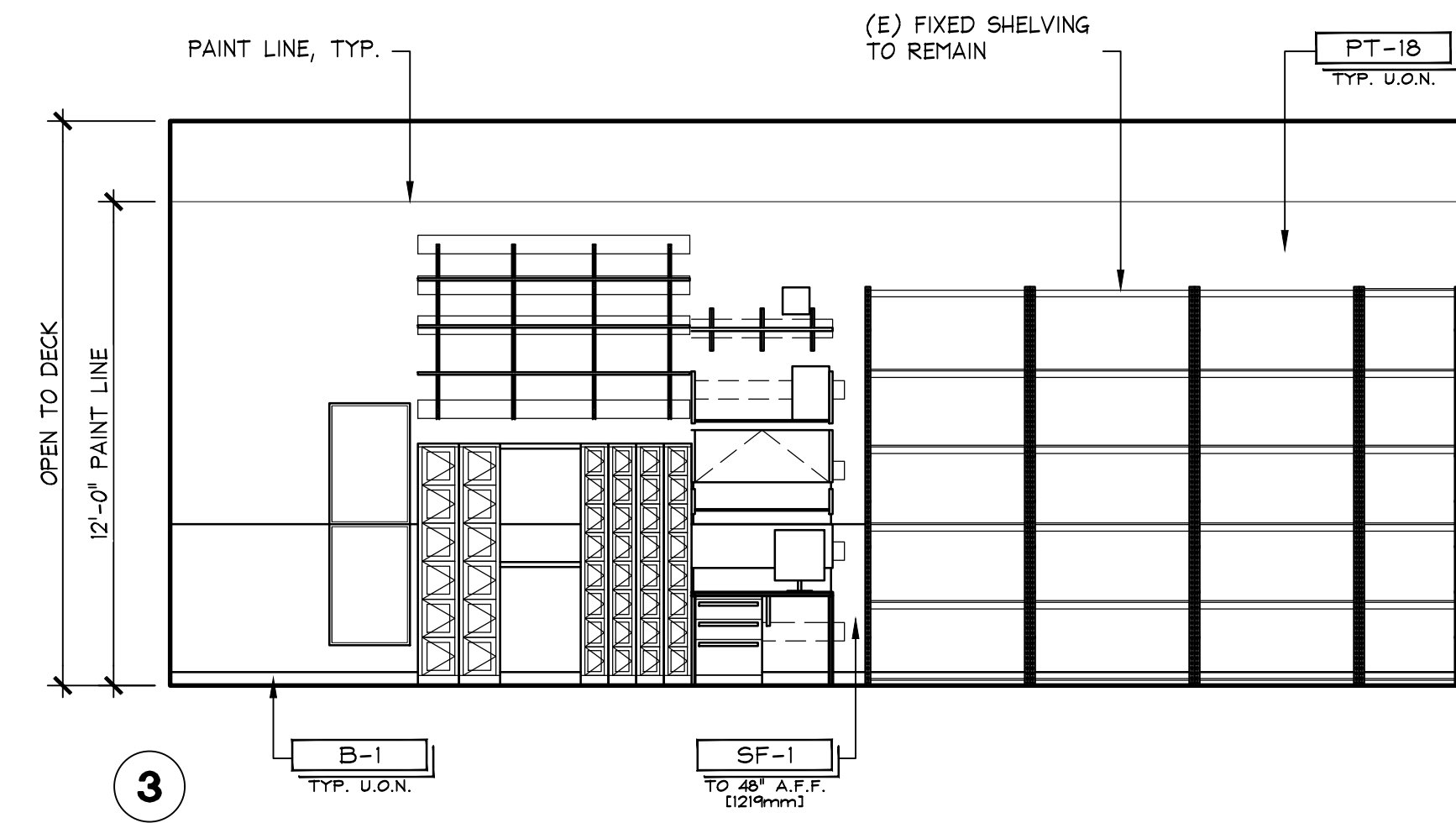
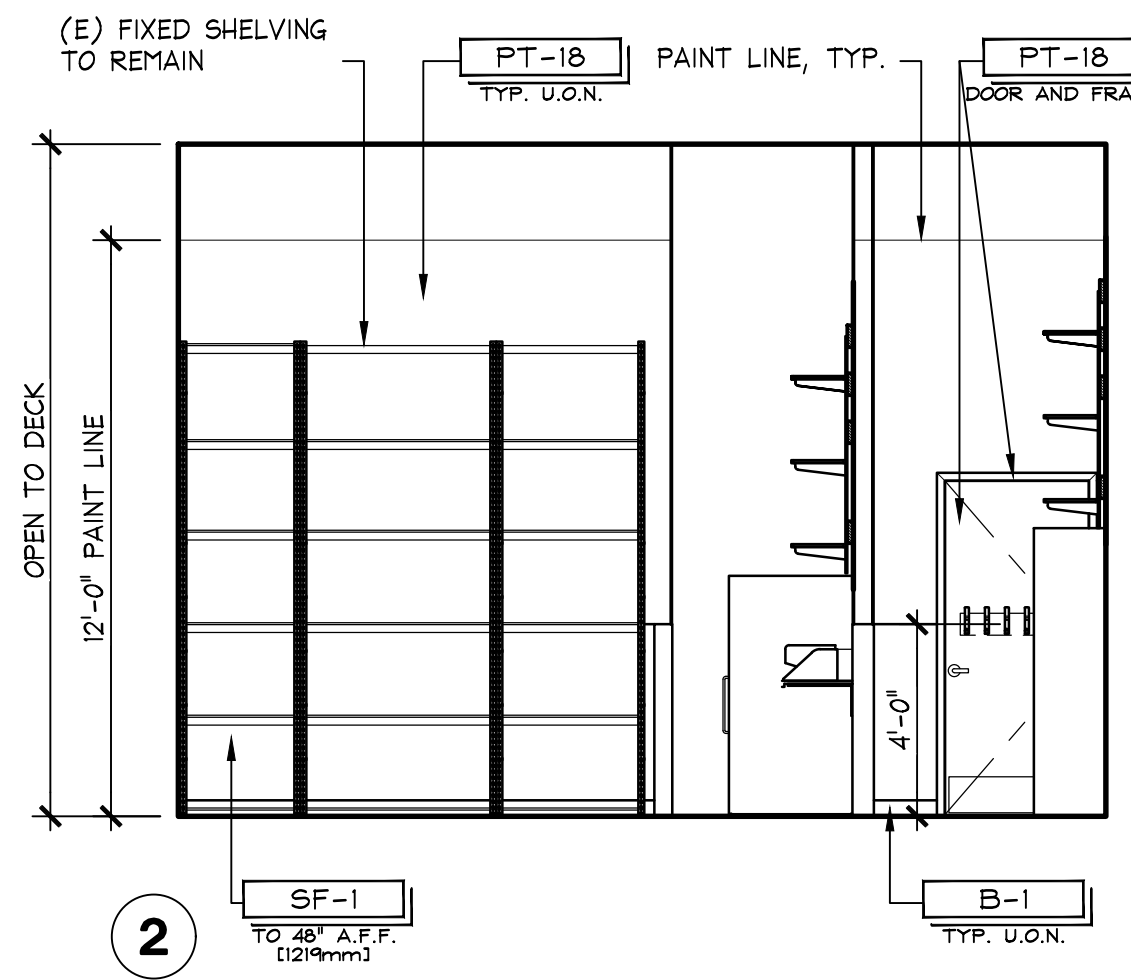
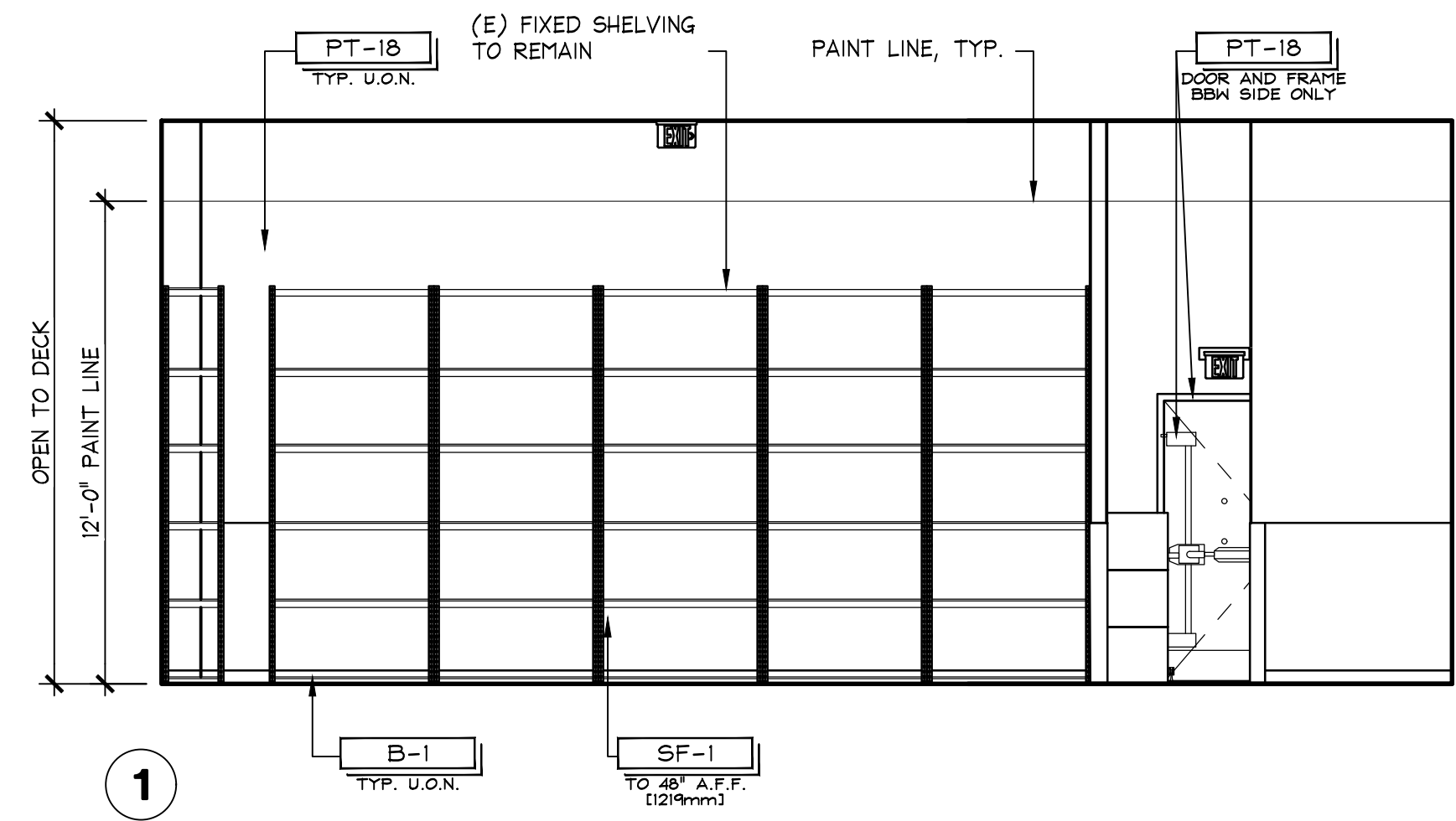
104.01.0737.01
BATH & BODY WORKS
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SPACE NO. 235
3500 S. MERIDIAN STREET
FALLS CHURCH, VA 22034

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REQUIRED BY: DATE:
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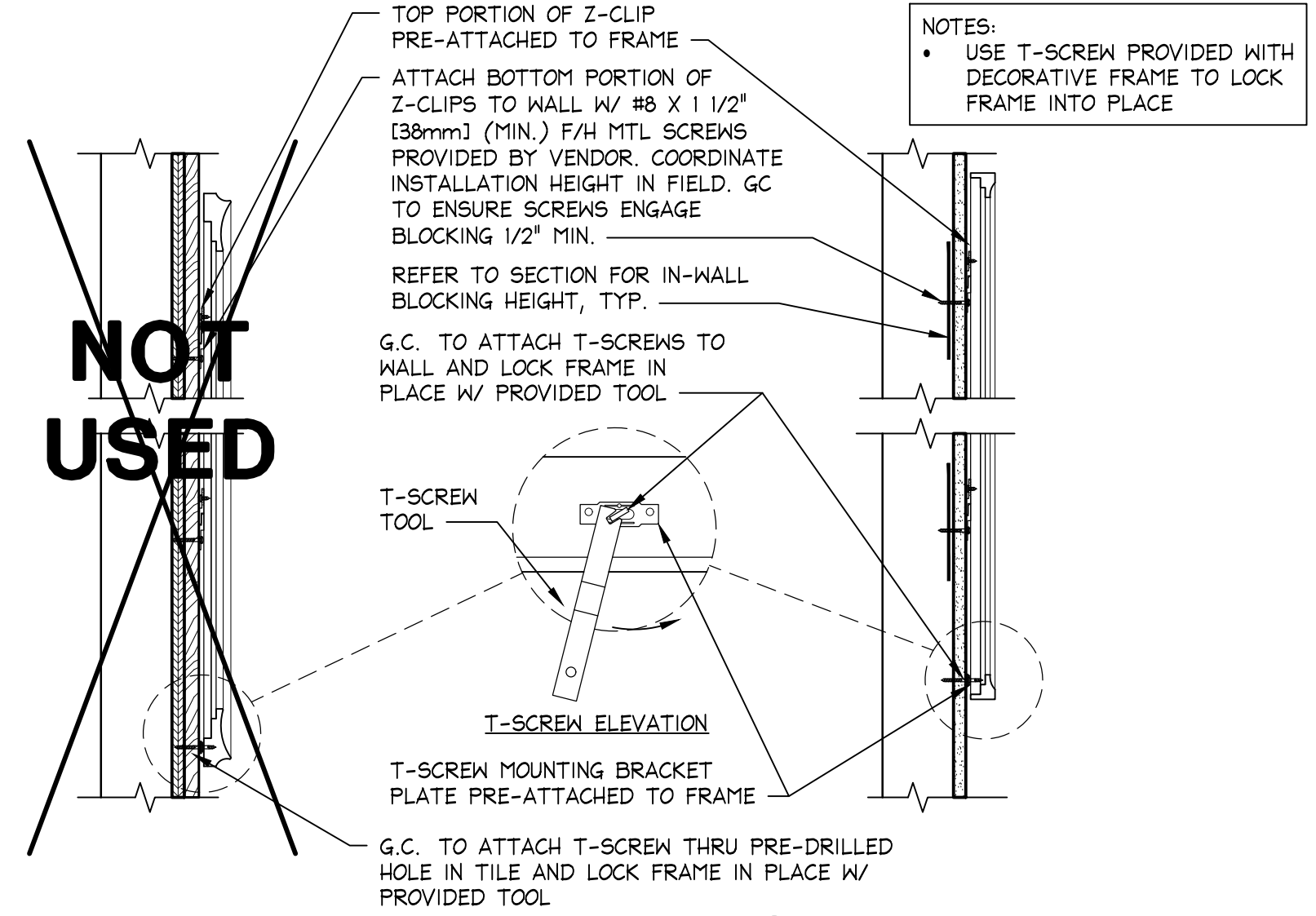
DATE ISSUED: 11/04/2022
DESIGNED BY: TN
CHECKED BY: DH
PV

INTERIOR ELEVATIONS
DRAWING NUMBER:
A07.1



NON-SALES ELEVATIONS

1/4" = 1'-0"
D
09.24.21



1 CONDITIONS WITH WOOD PLANKING 2 CONDITIONS WITH GYP. BD.

FRAME ATTACHMENT (RECTANGULAR AND OVAL)

1 1/2" = 1'-0"
R
428-A101-000-SECT
09.30.22

NON-SALES ELEVATIONS

1/4" = 1'-0"
C
09.24.21

DESCRIPTION	SIZE	MAT V.O.	IDENTIFICATION TAG
MB GRAPHIC FRAME A: 4" FRAME PROFILE (SW)	32" X 40"	20" X 28"	MBGF-A-SW
MB GRAPHIC FRAME B: 3" FRAME PROFILE (B)	20" X 25.25"	12" X 17.25"	MBGF-B-B
MB GRAPHIC FRAME C: 2" FRAME PROFILE (GLD)	22" X 14"	14.5" X 8.5"	MBGF-C-V02-GLD
MB GRAPHIC FRAME D: 2" FRAME PROFILE (TDB)	17" X 17"	10.125" X 10.125"	MBGF-D-V02-TDB
MB GRAPHIC FRAME E: 2.75" FRAME PROFILE (WAL)	21.5" X 25.5"	13.5" X 19.5"	MBGF-E-V01-WAL
MB GRAPHIC FRAME F: 1.5" FRAME PROFILE (SW)	16" X 16"	N/A	MBGF-F-SW
MB GRAPHIC FRAME G: 3" FRAME PROFILE (B)	25.25" X 20"	17.25" X 12"	MBGF-G-B
MB GRAPHIC FRAME H: 2.75" FRAME PROFILE (WAL)	24" X 12"	N/A	MBGF-H-V01-WAL
MB GRAPHIC FRAME I: 2" FRAME PROFILE (B)	24" X 27"	8" X 11"	MBGF-I-B

USE THE KEY BELOW TO DECIPHER THE WHITE BARN GRAPHIC FRAME ID TAGS:
MB - INDICATES THAT THIS GRAPHIC IS FOR MBG
WBGF##-#-# - GF - INDICATES ITS A GRAPHIC FRAME
- REFERS TO FRAME SIZE
C - COLOR/FINISH (SW, B, TDB, TBL, GLD)

COLORS:
SW SALVAGED WOOD
WAL WALNUT
B/B3 BLACK
TDB TUSCANY DARK BROWN
TLB TUSCANY LIGHT BROWN

DESCRIPTION	IDENTIFICATION TAG
MB WALL CLOCK - 18"	MBWC18-V02-SW
MB LETTER 'B' (GLD)	MBLB-V01-GLD
MB LETTER 'W' (GLD)	MBLW-V01-GLD
MB FRAME LEDGE - 56", 70", 90", 102" (GLD)	MBFLB-E-V01-GLD
PILLAR CANDLE HOLDER	PC1H-V01

WBC GRAPHIC FRAME AND DECOR LEGEND

1/4" = 1'-0"
P
42D-A072-P00-DETL
08.02.22

HALLWAY ELEVATIONS

1/4" = 1'-0"
B
09.24.21

DESCRIPTION	SIZE	MAT V.O.	IDENTIFICATION TAG
BBW GRAPHIC FRAME 1: 1" FRAME PROFILE (GLD)	14" X 16"	9.5" X 11.5"	BBGF1-M1-V02-GLD
BBW GRAPHIC FRAME 2: 1" FRAME PROFILE (GLD)	14" X 16"	13" X 10"	BBGF2-M2-V02-GLD
BBW GRAPHIC FRAME 3: 1" FRAME PROFILE (GLD)	14" X 16"	9.5" X 11.5"	BBGF3-M3-V01-BO
BBW GRAPHIC FRAME 4: 2" FRAME PROFILE (SVR)	23.75" X 34.75"	13.5" X 24.5"	BBGF4-M4-V02-SVR
BBW GRAPHIC FRAME 5: 2" FRAME PROFILE (MO)	23" X 34"	13.5" X 24.5"	BBGF5-M5-V01-MO
BBW GRAPHIC FRAME 6: 2" FRAME PROFILE (MO)	23" X 34"	15.5" X 26.5"	BBGF6-M6-V01-MO
BBW GRAPHIC FRAME 7: 1" FRAME PROFILE (GLD)	17" X 20"	12.5" X 15.5"	BBGF7-M7-V02-GLD
BBW GRAPHIC FRAME 8: 1" FRAME PROFILE (GLD)	17" X 20"	8.5" X 11.5"	BBGF8-M8-V02-GLD
BBW GRAPHIC FRAME 9: 1" FRAME PROFILE (BO)	17" X 20"	12.5" X 15.5"	BBGF9-M9-V01-BO
BBW GRAPHIC FRAME 10: 2" FRAME PROFILE (MO)	17" X 20"	9.25" X 12.25"	BBGF10-M10-V01-MO
BBW GRAPHIC FRAME 11: 2" FRAME PROFILE (MO)	17" X 20"	8.75" X 11.75"	BBGF11-M11-V01-MO
BBW GRAPHIC FRAME 12: 3" FRAME PROFILE (SVR)	39.25" X 53.75"	27.5" X 42.5"	BBGF12-M12-V02-SVR
BBW GRAPHIC FRAME 13: 2" FRAME PROFILE (MO)	24.5" X 24.5"	15.5" X 15.5"	BBGF13-M13-V01-MO

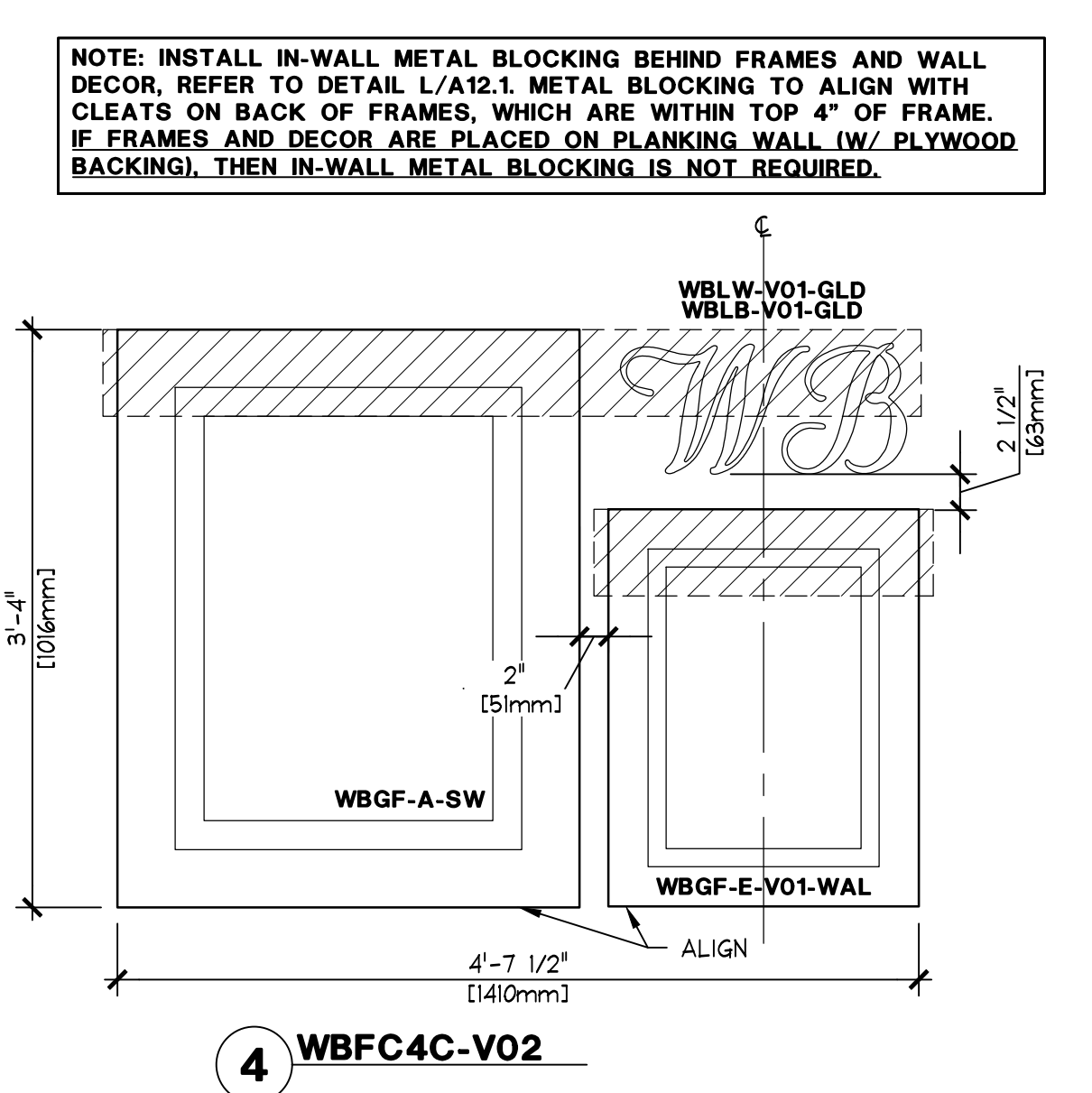
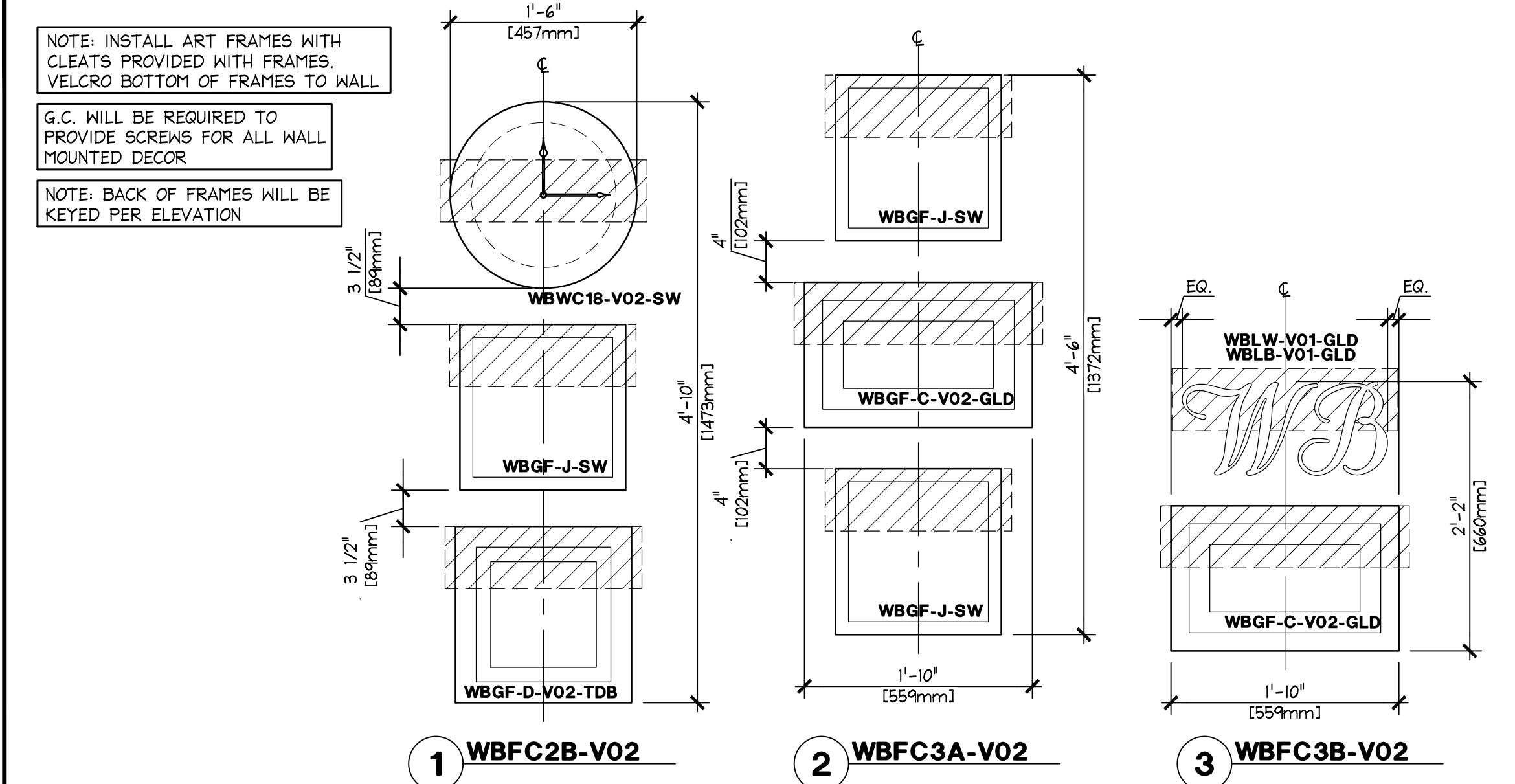
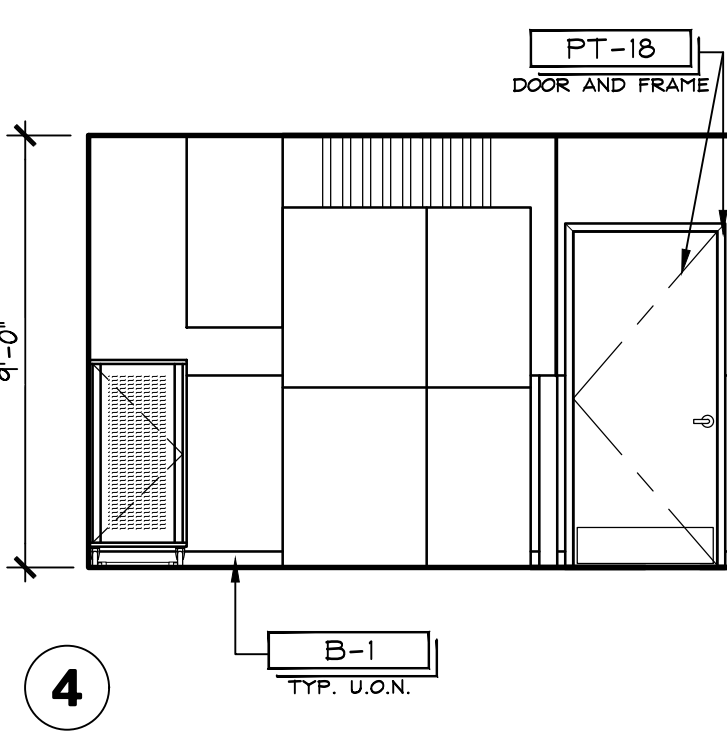
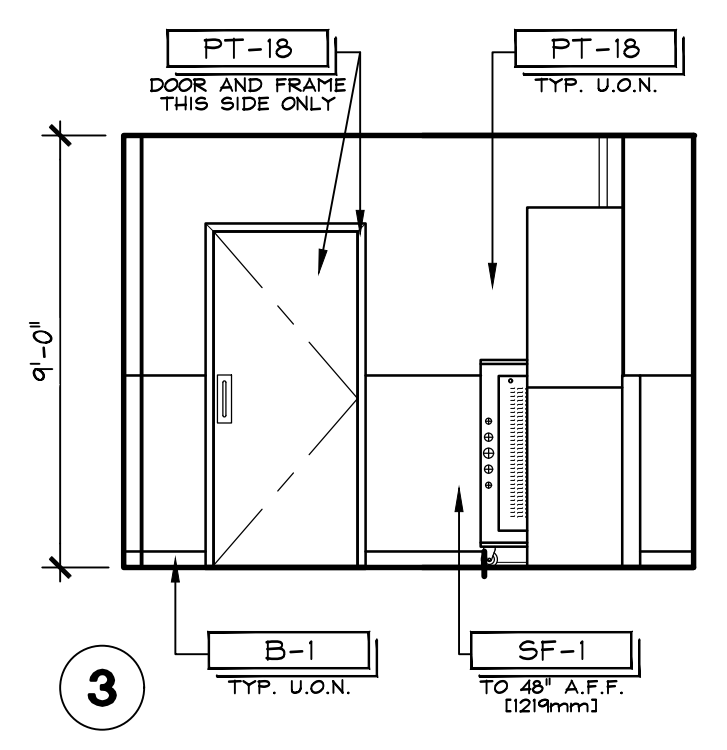
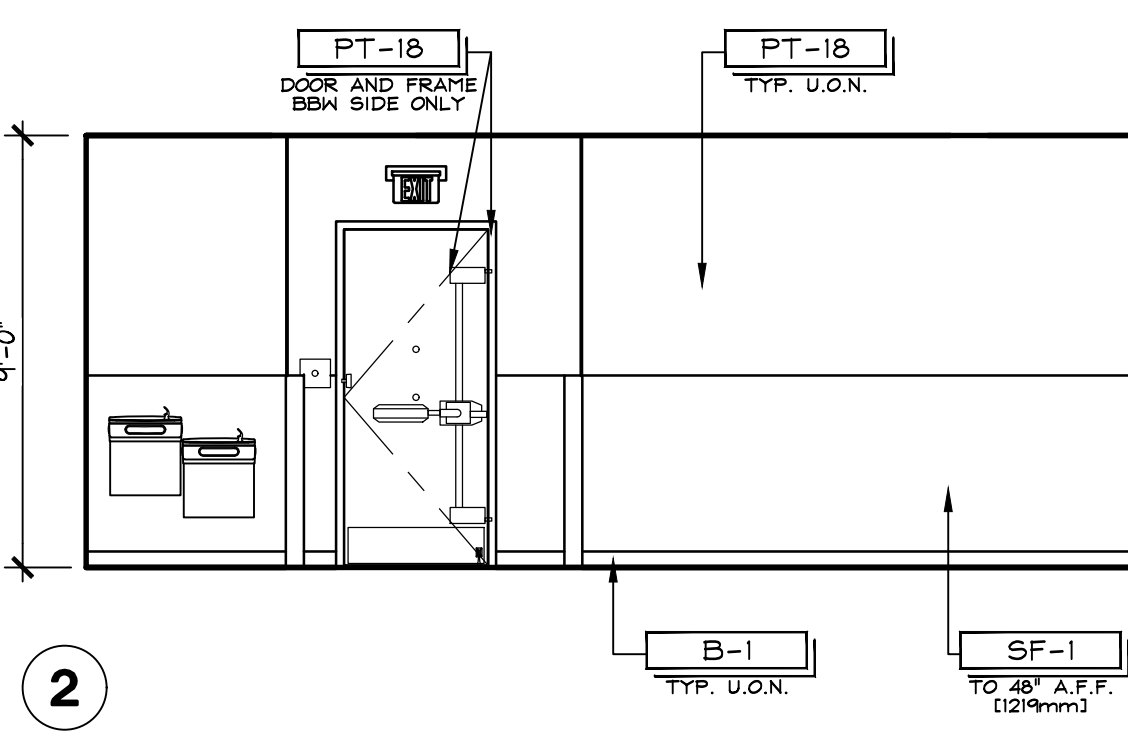
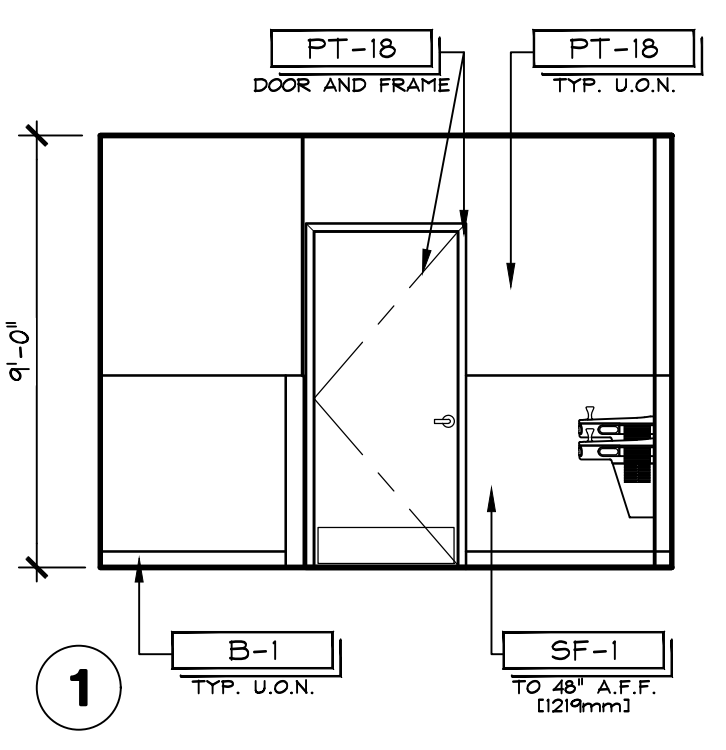
USE THE KEY BELOW TO DECIPHER THE BBW GRAPHIC FRAME ID TAGS:
BBW - INDICATES THAT THIS GRAPHIC IS FOR BBW
BBGF##-M#-V##-# - GF - INDICATES ITS A GRAPHIC FRAME
- REFERS TO FRAME SIZE, MAT SIZE AND VERSION NUMBER
C - COLOR/FINISH (GLD, MO, BO, SVR, BRS)

COLORS:
GLD GOLD
BO BLONDE OAK TO TOASTED OAK
MO WALNUT (PREVIOUSLY MEDIUM OAK)
SVR SILVER
BRS BRASS

DESCRIPTION	IDENTIFICATION TAG
BBW DECORATIVE MIRROR (23.75 X 34.75)	BBDM1-V01-SVR
BBW WALL CLOCK - 13", 18"	BBWC13-V01-BRS
BBW LETTER 'B' - MEDIUM, LARGE (GLD)	BBLBX-V01-GLD
BBW FRAME LEDGE - 34", 40", 54", 59", 66", 127", 147" (BO)	BBFLB-V01-BO
DISPLAY CUBBY (TO)	DC-V01-TO
SMALL HURRICANE CANDLE HOLDER (BRS)	HC1S-V01-BRS
LARGE HURRICANE CANDLE HOLDER (BRS)	HC1L-V01-BRS
ROUND SCONCE CANDLE HOLDER (BRS)	RSCH-V02-BRS
ROUND DECORATIVE MIRROR (GLD)	RD1M-V01-GLD

BBW GRAPHIC FRAME AND DECOR LEGEND

1/4" = 1'-0"
N
42D-A072-N00-DETL
09.24.21



WBC FRAME COLLAGE LAYOUTS

1" = 1'-0"
A
42D-A072-800-DETL
04.16.20

PROJECT INFORMATION: 104.01.0737.01

BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
5500 S. MERIDIAN STREET
FOTALLUP, WA 98373

PACKAGE: SIS, PKG 2
GENERATION: 231SG.00
A/E PROJECT #:
FULL REMODEL
BBW ES/WBC 2021
00116082

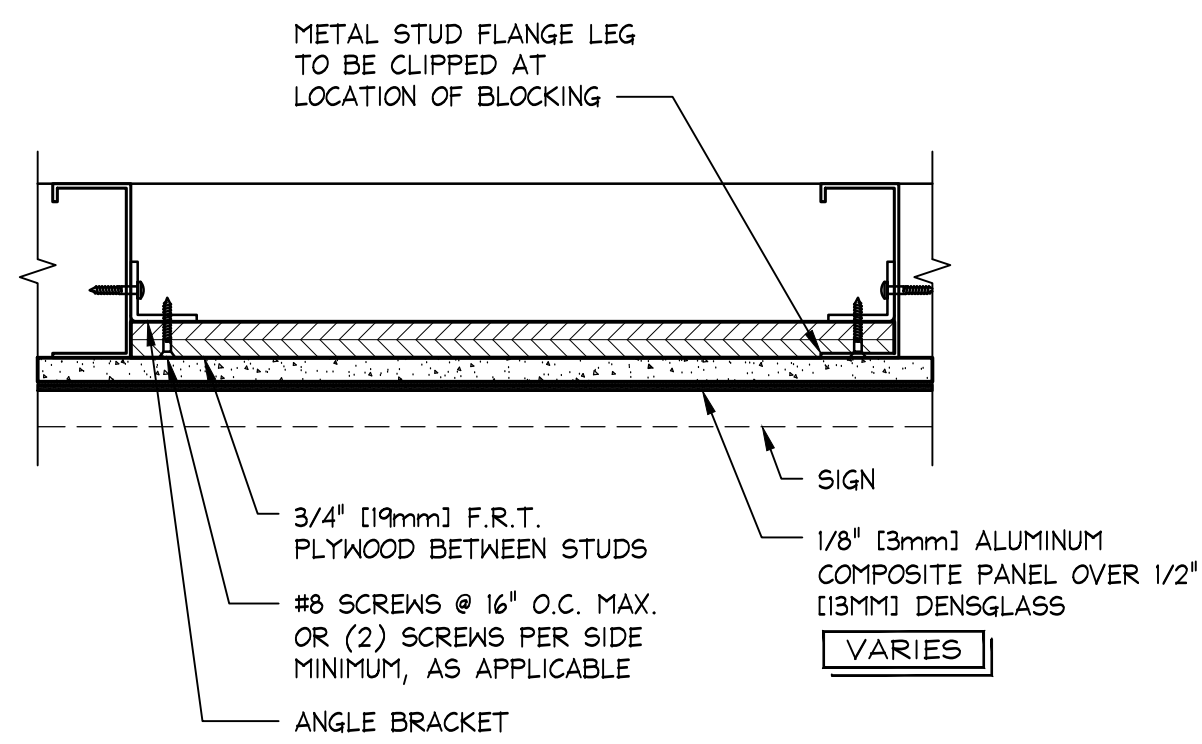
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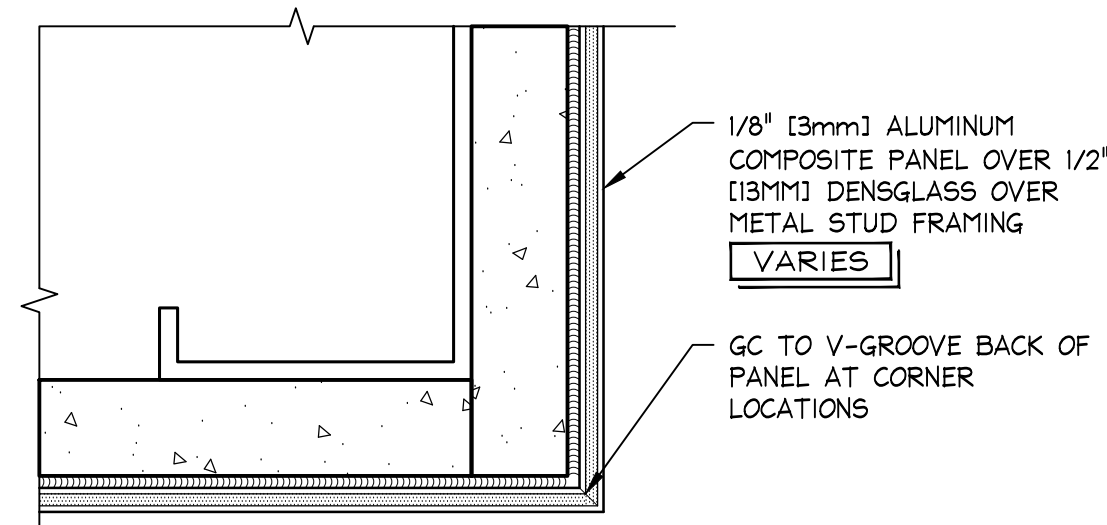
INTERIOR ELEVATIONS & DECOR DETAILS

DRAWING NUMBER: A07.2



DETAIL @ SIGN BLOCKING

3" = 1'-0"
42D-A081-M01-DET1
M
10.18.16



DETAIL @ METAL CORNER

NOTES:
• MAX. PANEL SIZE IS 5'W/0'
• CORNER DOES NOT HAVE TO BEND ON FULL SQUARE

FULL
42D-A081-H01-DET1
H
10.12.16

- ① PREFINISHED METAL PANEL [MT-13]
② 1/8" [3mm] BLUE GINGHAM ALUMINUM COMPOSITE PANEL [MT-4]
③ WHITE METAL TRIMS [MT-13]
④ (E) 45° ANGLE IN MALL BULKHEAD
⑤ SHORT WIDE SURFACE MOUNTED LIGHT BOX
⑥ (E) MALL DIFFUSER TO REMAIN
⑦ LINE OF SOFFIT ABOVE, SHOWN DASHED
⑧ SLIDING GINGHAM PANEL
⑨ LEASE LINE
⑩ (E) NEUTRAL PIER TO REMAIN. G.C. TO PATCH AND REPAIR AS REQ'D
⑪ (E) BULKHEAD & CORNICE TO REMAIN. G.C. TO PATCH AND REPAIR AS REQ'D
⑫ CENTER LINE OF SLIDING GRILLE
- ⑬ G.C. TO SEAL GAPS WITH CLEAR SILICONE (AT GLASS) - GAPS TO BE AS MINIMAL AS POSSIBLE [S-15]
⑭ 16"H SKINNY WHITE FACE-LIT PIN MOUNTED SIGNAGE
⑮ LINE OF SEAM IN TRIM FOR UNDERSIDE OF ENTRY PORTAL, SEE D/A04.1
⑯ LINE OF ALUMINUM GINGHAM PANEL SEAM
⑰ 1/2" [13mm] METAL REVEAL
⑱ 16"H SKINNY WHITE FACE-LIT PIN MOUNTED SIGNAGE
⑲ WB GRAPHIC FRAMES/DECOR BEYOND REFER TO A07.2 FOR MOUNTING HEIGHT
⑳ (E) FIRE HOSE CABINET TO REMAIN
㉑ (E) CORRIDOR DOORS TO REMAIN. N.I.C.
㉒ 1/2" [13mm] CLEAR TEMPERED GLASS [G-4]

STOREFRONT PLAN & ELEVATION KEYNOTES

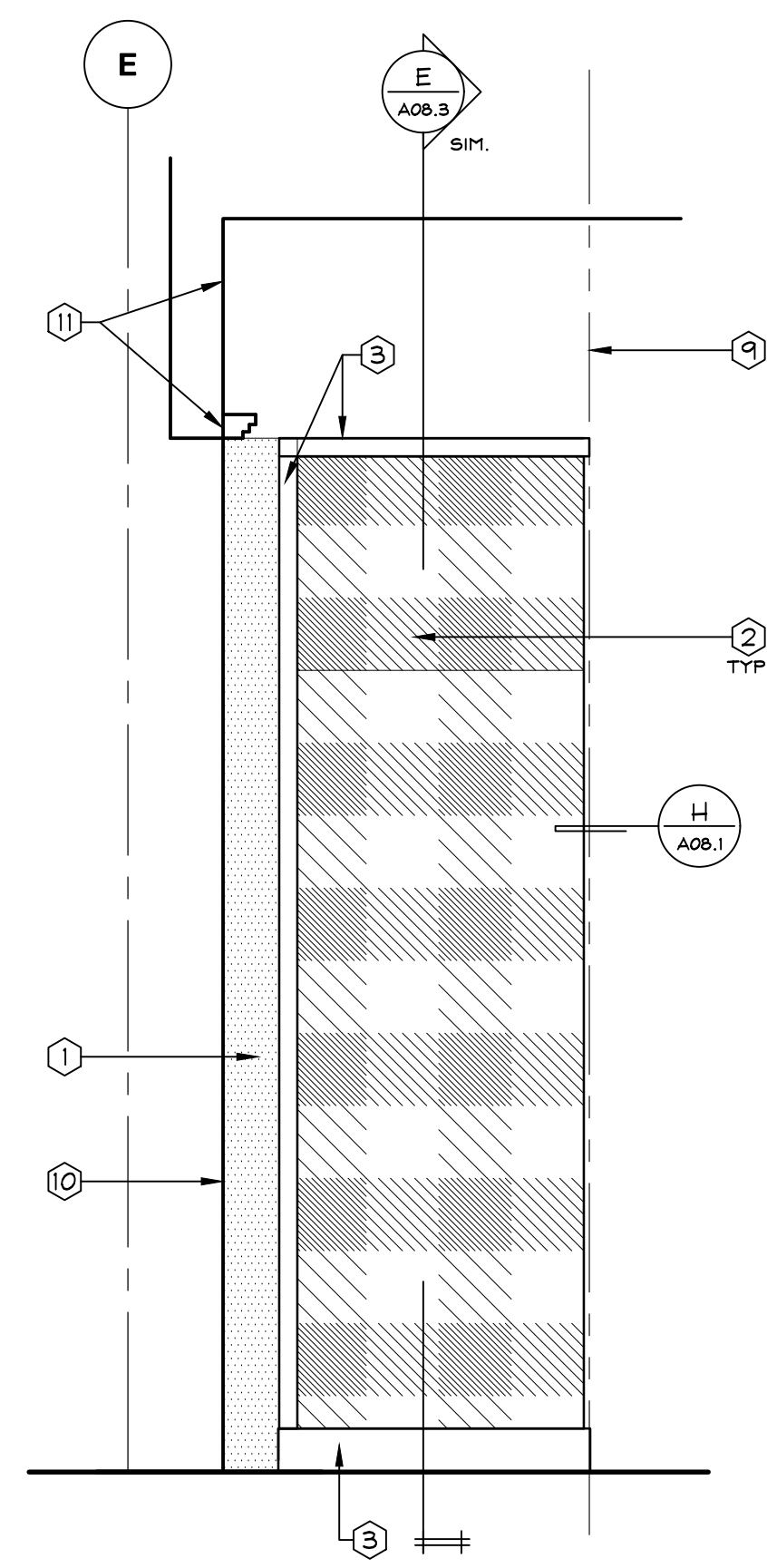
FULL
42L-A083-D01-LEGD
D
02.24.10



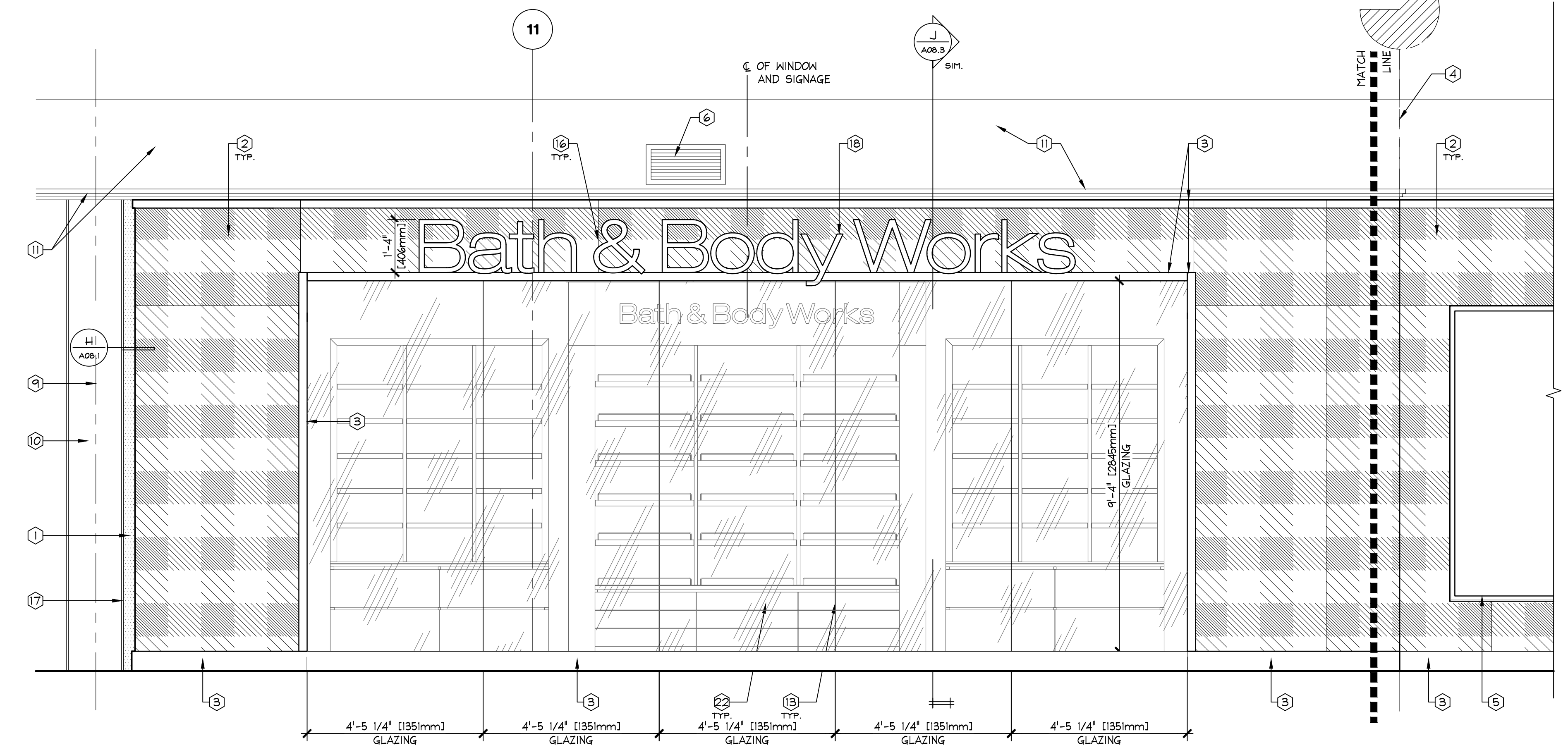
Bath & Body Works
Three Limited Parkway - Columbus, Ohio 43230
Telephone: 614.415.7000 · Fax: 614.415.7349

STOREFRONT SIGNAGE TO BE SUBMITTED UNDER SEPARATE COVER

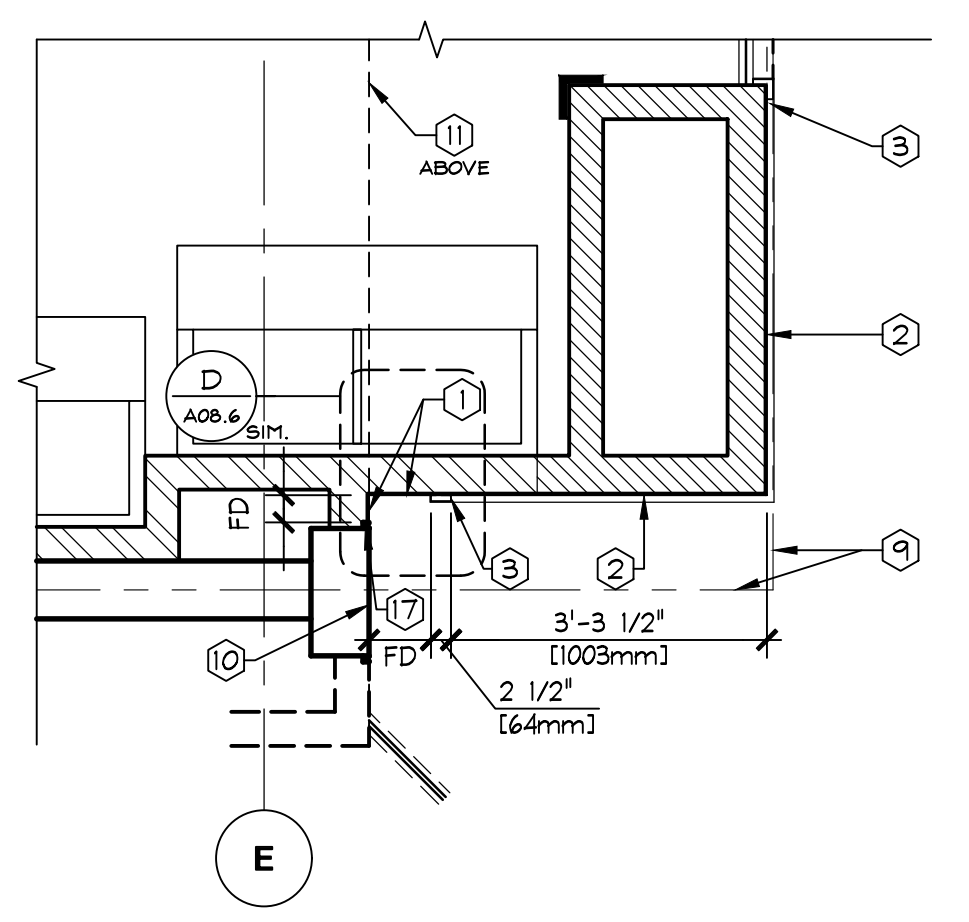
SEE A08.1d-f FOR GINGHAM PANEL LAYOUT



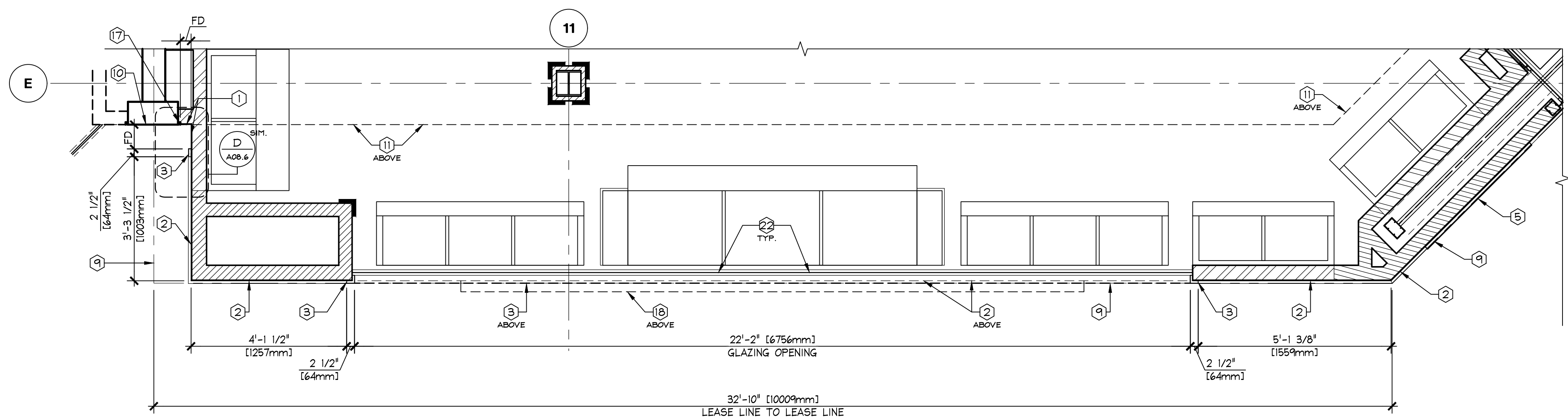
3 STOREFRONT SIDE ELEVATION LEFT



1 STOREFRONT ELEVATION DISPLAY WINDOW 1



4 STOREFRONT PLAN (SIDE) LEFT



2 STOREFRONT PLAN DISPLAY WINDOW 1

11'-10 1/2" [3620mm] A.F.F. B.O. MALL BULKHEAD T.O. METAL TRIM
9'-10" [2997mm] A.F.F. T.O. WINDOW OPENING
0'-6" [152mm] A.F.F. T.O. METAL BASE
0'-0" FINISH FLOOR

104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
FOTALLUP, WA 98373

PROJECT INFORMATION:
PACKAGE: FULL REMODEL
GENERATION: ES/WBC 2021
A/E PROJECT #: 00116082

REVISIONS:

NO.	DESCRIPTION	DATE

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: PC
CHECKED BY: PV

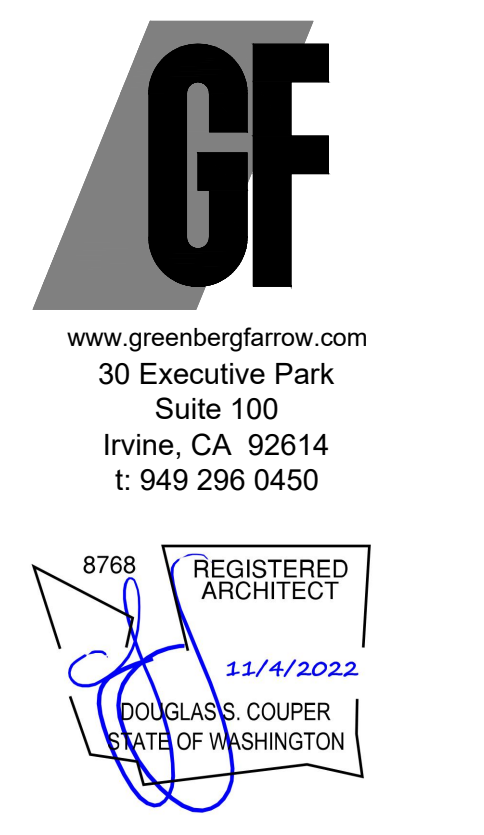
STOREFRONT ELEVATION

DRAWING NUMBER:
A08.1a

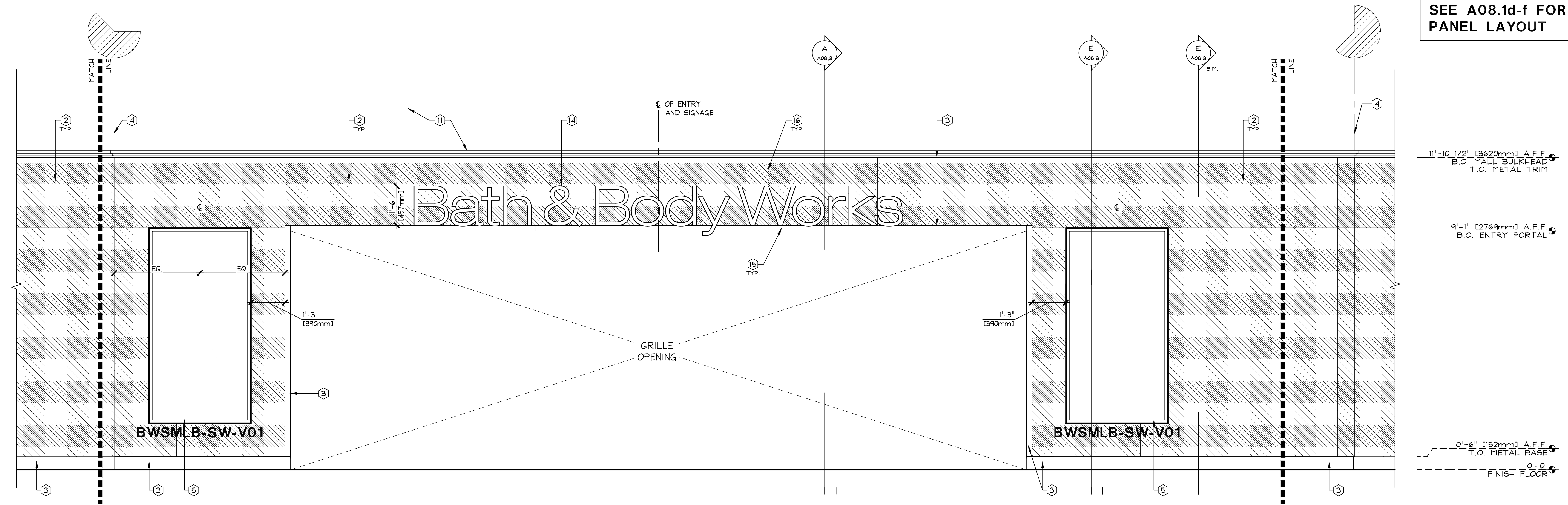
- ① PREFINISHED METAL PANEL [MT-13]
- ② 1/8" [3mm] BLUE GINGHAM ALUMINUM COMPOSITE PANEL [MT-4]
- ③ WHITE METAL TRIMS [MT-13]
- ④ (E) 45° ANGLE IN MALL BULKHEAD
- ⑤ SHORT WIDE SURFACE MOUNTED LIGHT BOX
- ⑥ (E) MALL DIFFUSER TO REMAIN
- ⑦ LINE OF SOFFIT ABOVE, SHOWN DASHED
- ⑧ SLIDING GINGHAM PANEL
- ⑨ LEASE LINE
- ⑩ (E) NEUTRAL PIER TO REMAIN. G.C. TO PATCH AND REPAIR AS REQ'D
- ⑪ (E) BULKHEAD & CORNICE TO REMAIN. G.C. TO PATCH AND REPAIR AS REQ'D
- ⑫ CENTER LINE OF SLIDING GRILLE
- ⑬ G.C. TO SEAL GAPS WITH CLEAR SILICONE (AT GLASS) - GAPS TO BE AS MINIMAL AS POSSIBLE [G-15]
- ⑭ 18"H, SKINNY WHITE FACE-LIT PIN MOUNTED SIGNAGE
- ⑮ LINE OF SEAM IN TRIM FOR UNDERSIDE OF ENTRY PORTAL, SEE D/A04.1
- ⑯ LINE OF ALUMINUM GINGHAM PANEL SEAM
- ⑰ 1/2" [13mm] METAL REVEAL
- ⑱ 16"H, SKINNY WHITE FACE-LIT PIN MOUNTED SIGNAGE
- ⑲ WB GRAPHIC FRAMES/DECOR BEYOND. REFER TO A07.2 FOR MOUNTING HEIGHT
- ⑳ (E) FIRE HOSE CABINET TO REMAIN
- ㉑ (E) CORRIDOR DOORS TO REMAIN, N.I.C.
- ㉒ 1/2" [13mm] CLEAR TEMPERED GLASS [G-2]

STOREFRONT PLAN & ELEVATION KEYNOTES

FULL	D
42L-A083-D01-LEGD	02.24.10

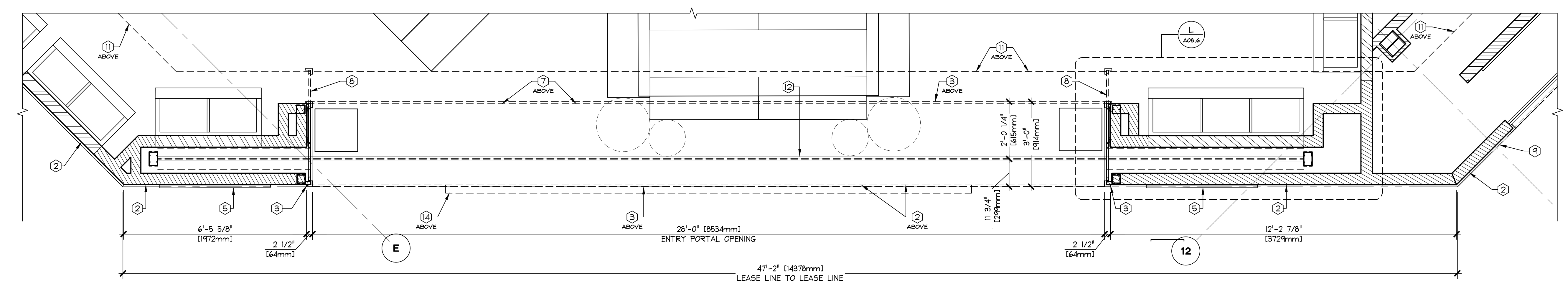


Bath & Body Works
 Three Limited Parkway - Columbus, Ohio 43230
 Telephone: 614.415.7000 · Fax: 614.415.7349



STOREFRONT SIGNAGE TO BE SUBMITTED UNDER SEPARATE COVER

SEE A08.1d-f FOR GINGHAM PANEL LAYOUT



PROJECT INFORMATION:
 104.01.0737.01
BATH & BODY WORKS
 SOUTH HILL MALL
 SPACE NO. 235
 3500 S. MERIDIAN STREET
 FORT LINDSEY, WA 98573

REVISIONS:

NO.	DESCRIPTION	DATE

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: PC
CHECKED BY: PV

PACKAGE: SSIS_PKG_2
GENERATION: 231501.00
A/E PROJECT #: 20221012.0

FULL REMODEL: BBW_ES/WBC_2021
GENERATION: 00116082
A/E PROJECT #: 20221012.0

STOREFRONT ELEVATION

DRAWING NUMBER: A08.1b

THESE DRAWINGS AND SPECIFICATIONS ARE PREPARED FOR THE USE OF A SPECIFIC SITE. THESE DRAWINGS AND SPECIFICATIONS ARE PREPARED FOR THE USE OF A SPECIFIC SITE. THESE DRAWINGS AND SPECIFICATIONS ARE PREPARED FOR THE USE OF A SPECIFIC SITE. THESE DRAWINGS AND SPECIFICATIONS ARE PREPARED FOR THE USE OF A SPECIFIC SITE. THESE DRAWINGS AND SPECIFICATIONS ARE PREPARED FOR THE USE OF A SPECIFIC SITE.

PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
FOTALLUP, WA 98373

REVISIONS:

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: PC
CHECKED BY: PV

STOREFRONT ELEVATION

DRAWING NUMBER:
A08.1c

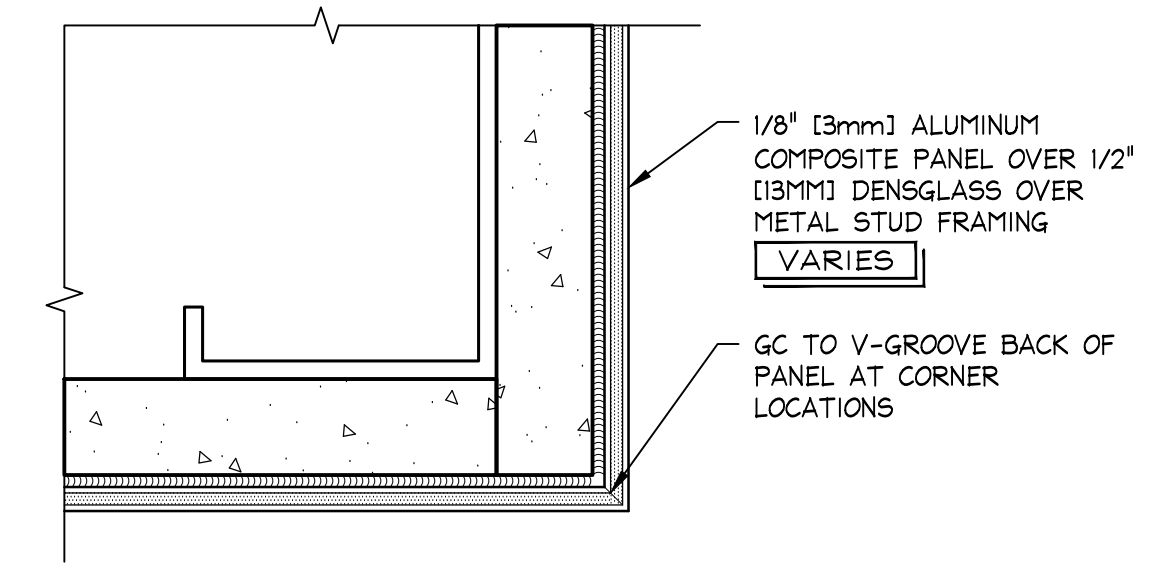
REQUIRED BY: _____ DATE: _____

SCOPE: _____
DESIGN TYPE: _____
BBW PROJECT #: _____

PACKAGE: _____
ES/WBC 2021 GENERATION: _____
00116082 A/E PROJECT #:

SSIS PKG. 2
23150.00
20221012.0

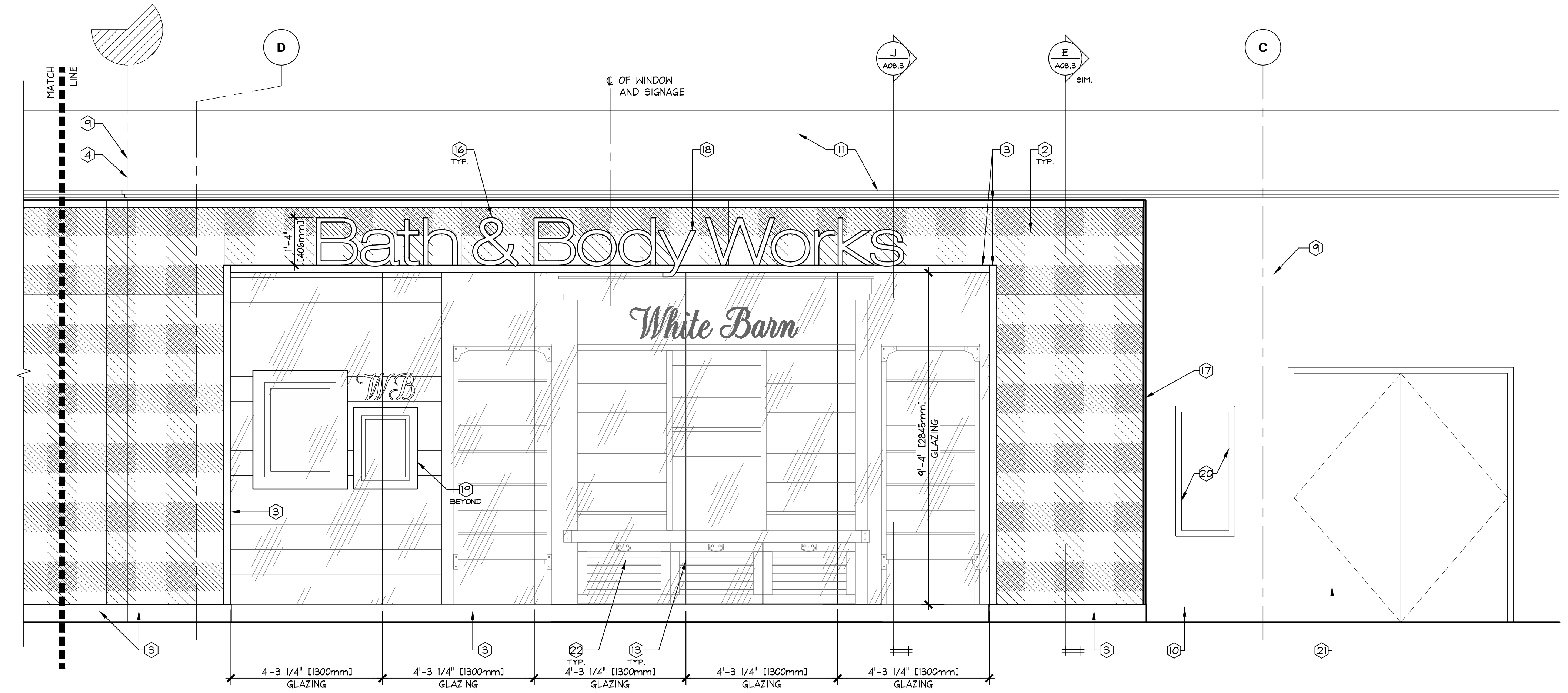
- ① PREFINISHED METAL PANEL [MT-13]
- ② 1/8" [3mm] BLUE GINGHAM ALUMINUM COMPOSITE PANEL [MT-4]
- ③ WHITE METAL TRIMS [MT-13]
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- ⑮ LINE OF SEAM IN TRIM. FOR UNDERSIDE OF ENTRY PORTAL, SEE D/A04.1
- ⑯ LINE OF ALUMINUM GINGHAM PANEL SEAM
- ⑰ 1/2" [13mm] METAL REVEAL
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- ⑲ WB GRAPHIC FRAMES/DECOR BEYOND. REFER TO A07.2 FOR MOUNTING HEIGHT
- ⑳ (E) FIRE HOSE CABINET TO REMAIN
- ㉑ (E) CORRIDOR DOORS TO REMAIN, N.I.C.
- ㉒ 1/2" [13mm] CLEAR TEMPERED GLASS [G-4]



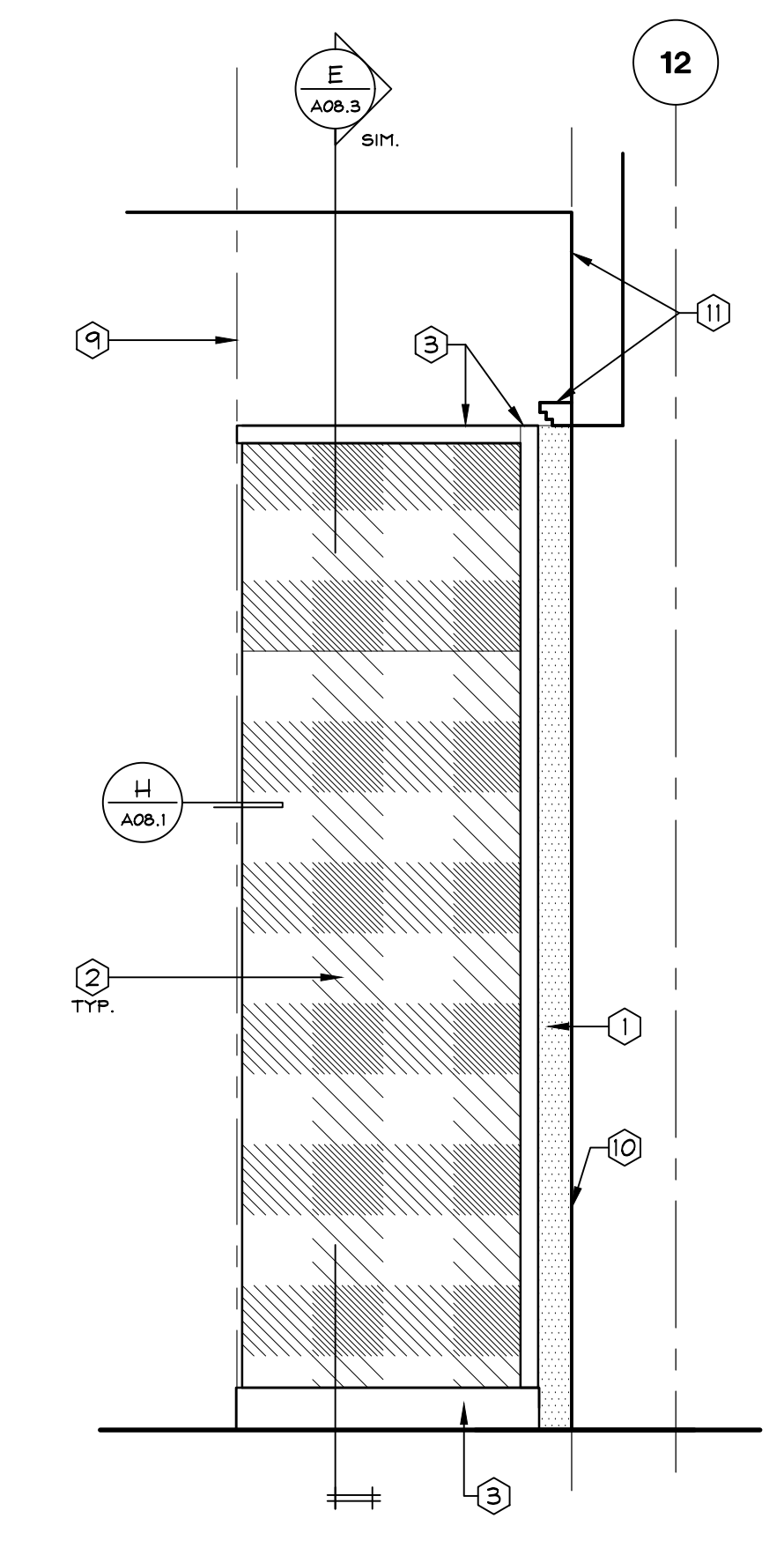
NOTES:
• MAX. PANEL SIZE IS 5'x10'
• CORNER DOES NOT HAVE TO BEND ON FULL SQUARE

DETAIL @ METAL CORNER FULL 42D-A081-H01-DETL H 10.12.16
STOREFRONT PLAN & ELEVATION KEYNOTES FULL 42L-A083-D01-LEGD D 02.24.10

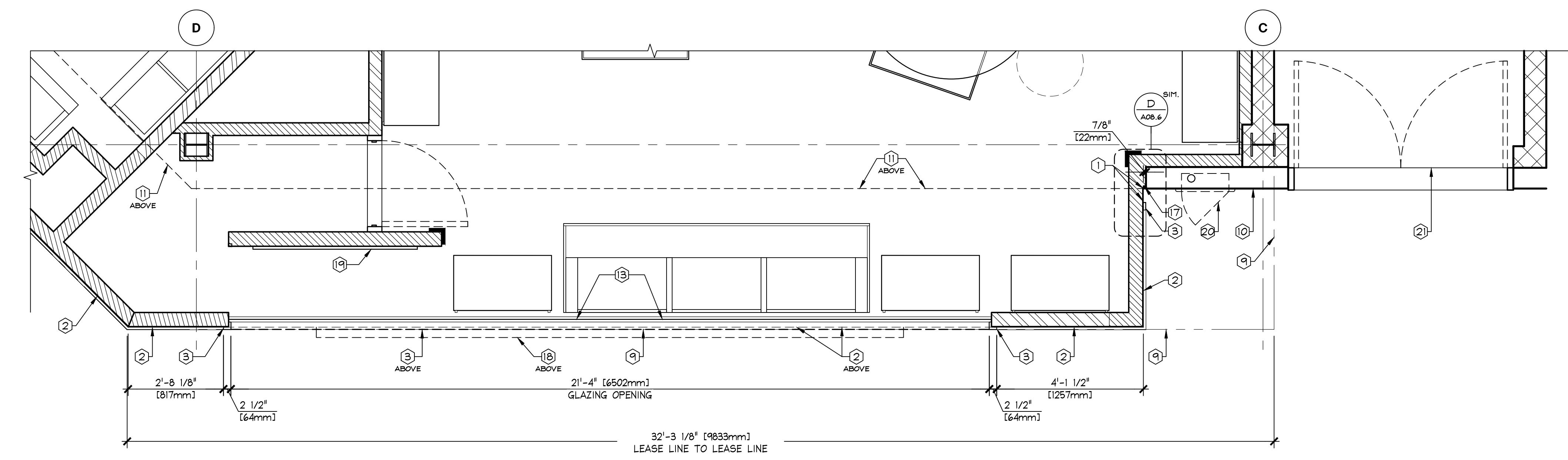
SEE A08.1d-f FOR GINGHAM PANEL LAYOUT
STOREFRONT SIGNAGE TO BE SUBMITTED UNDER SEPARATE COVER



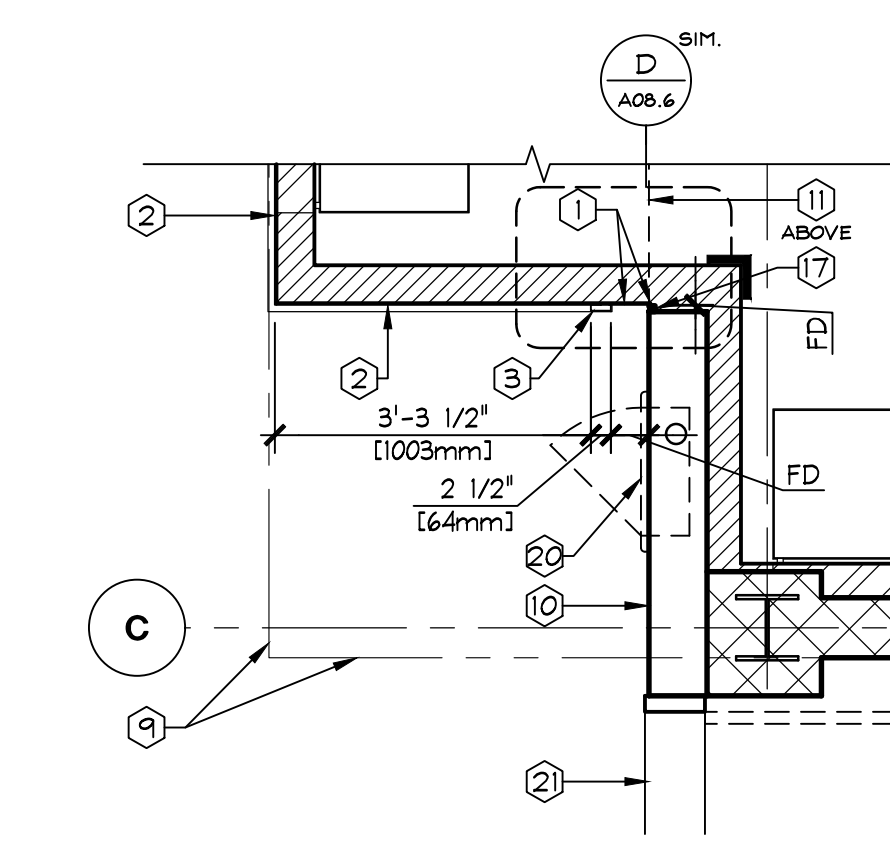
1 STOREFRONT ELEVATION
DISPLAY WINDOW 2



3 STOREFRONT SIDE ELEVATION
RIGHT

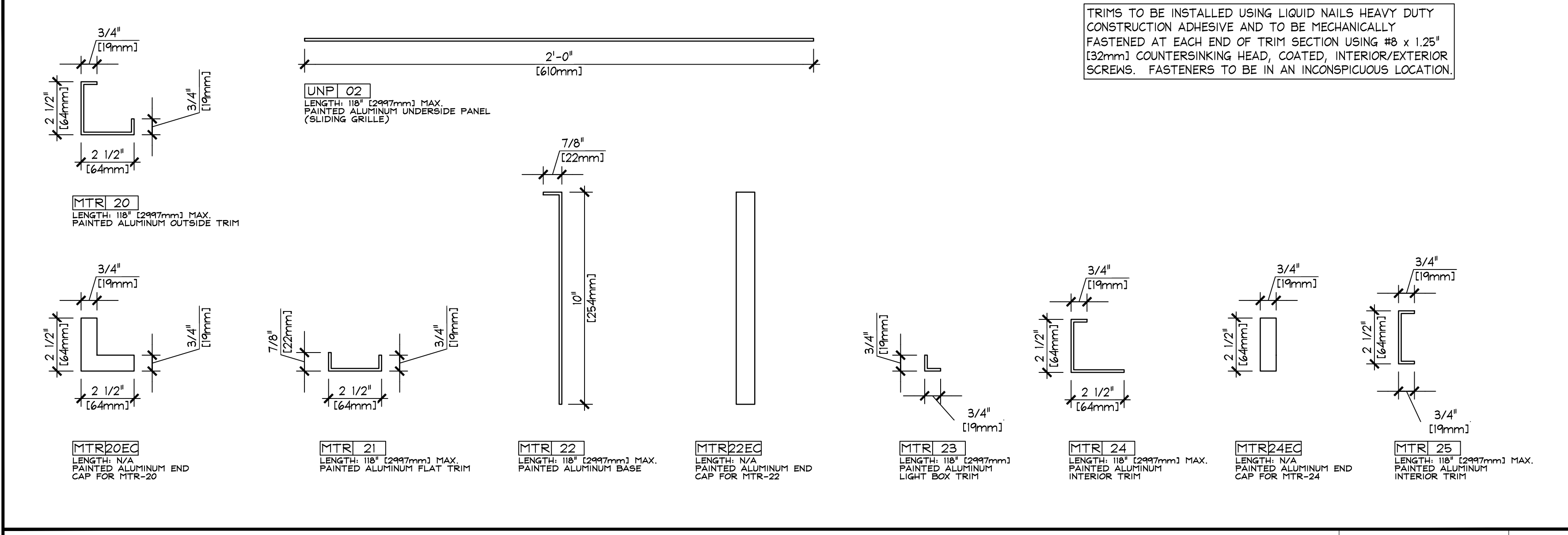


2 STOREFRONT PLAN
DISPLAY WINDOW 2

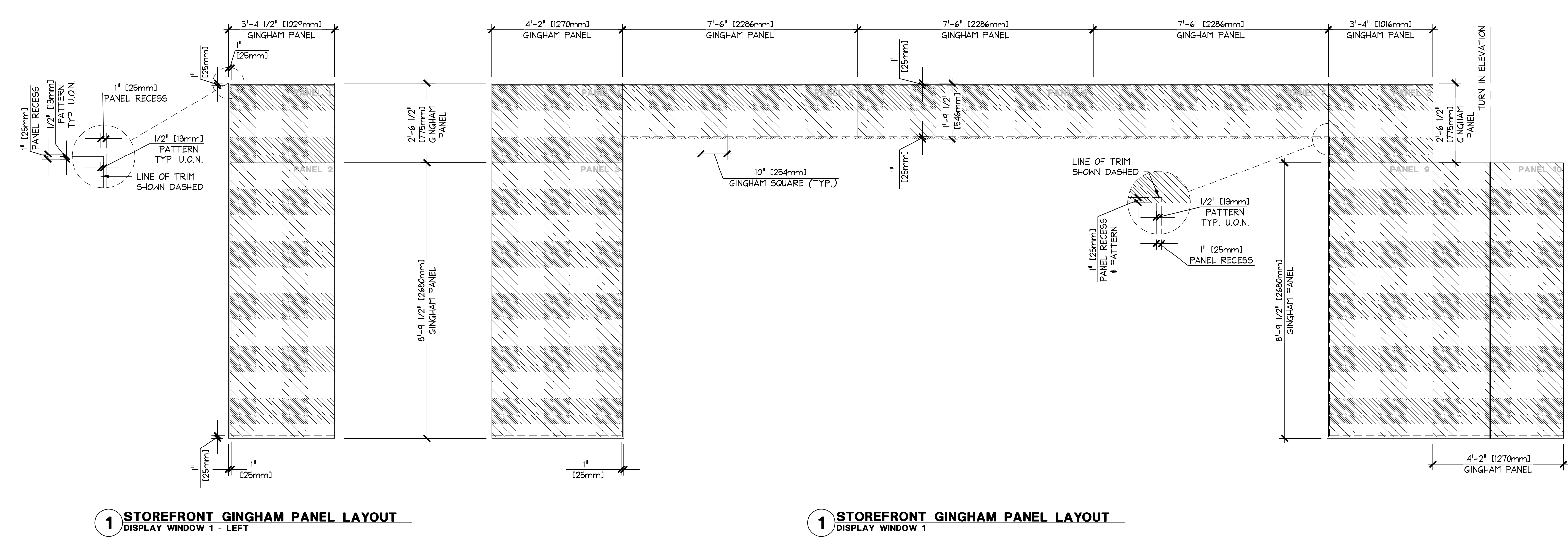
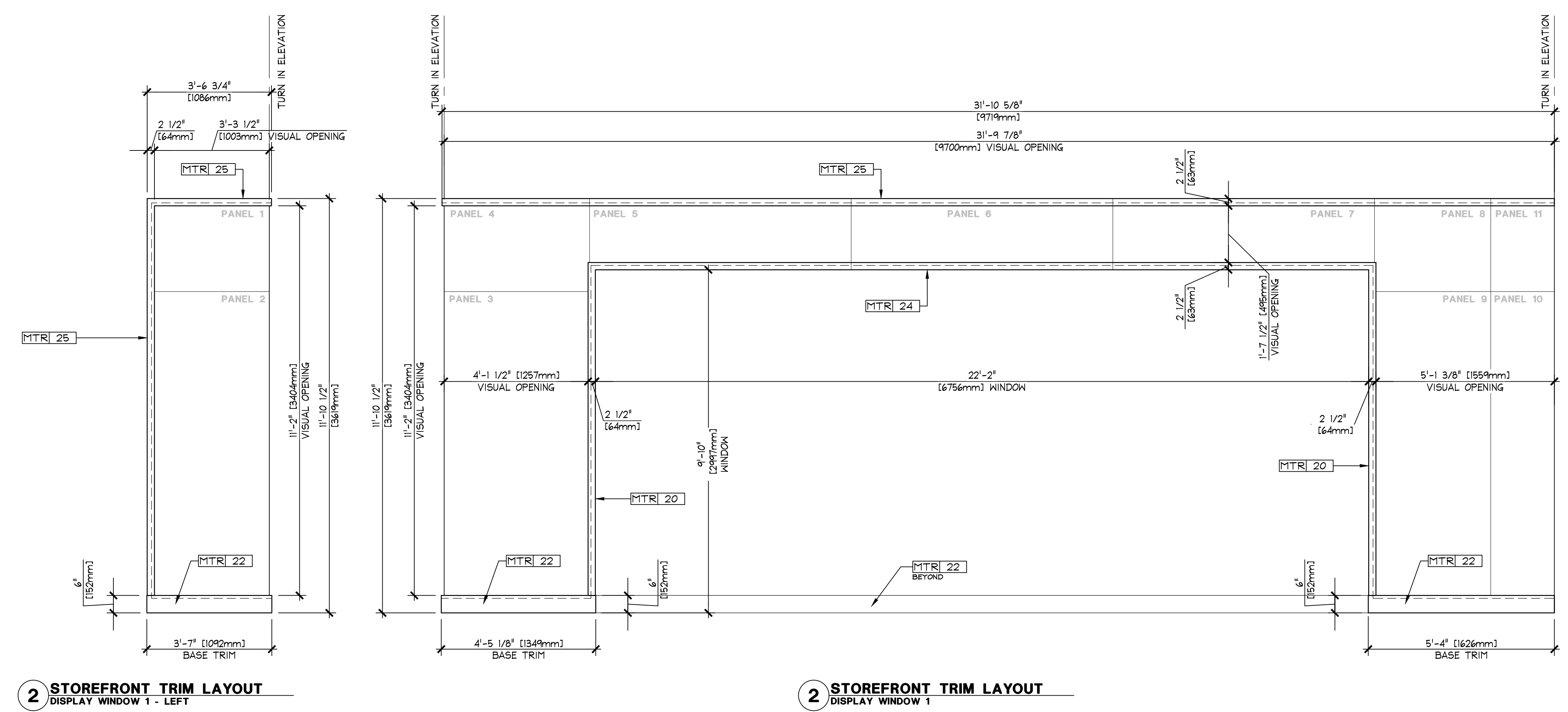


4 STOREFRONT PLAN (SIDE)
RIGHT

STOREFRONT TRIM PROFILE DETAILS



3" = 1'-0"
42E-A101-L00-DET1 01.26.22



STOREFRONT GINGHAM PANEL AND TRIM LAYOUT- DISPLAY WINDOW 1

1/2" = 1'-0"
42E-A081-A00-ELEV 01.26.22

104.01.0737.01

BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
FOTALLUP, WA 98375

PROJECT INFORMATION:
FULL REMODEL
BBW ES/WBC 2021
00116082
A/E PROJECT #:

REVISIONS:
REQUIRED BY: DATE:

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: PC
CHECKED BY: PV

SCOPE:
DESIGN TYPE:
BBW PROJECT #:

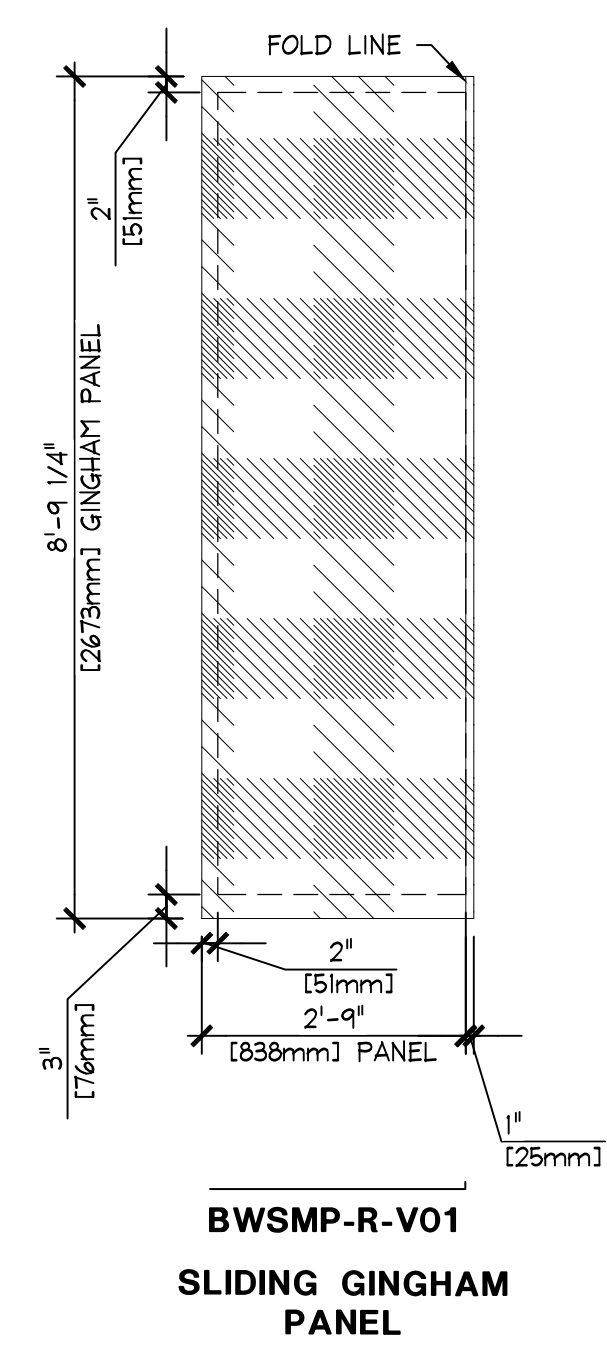
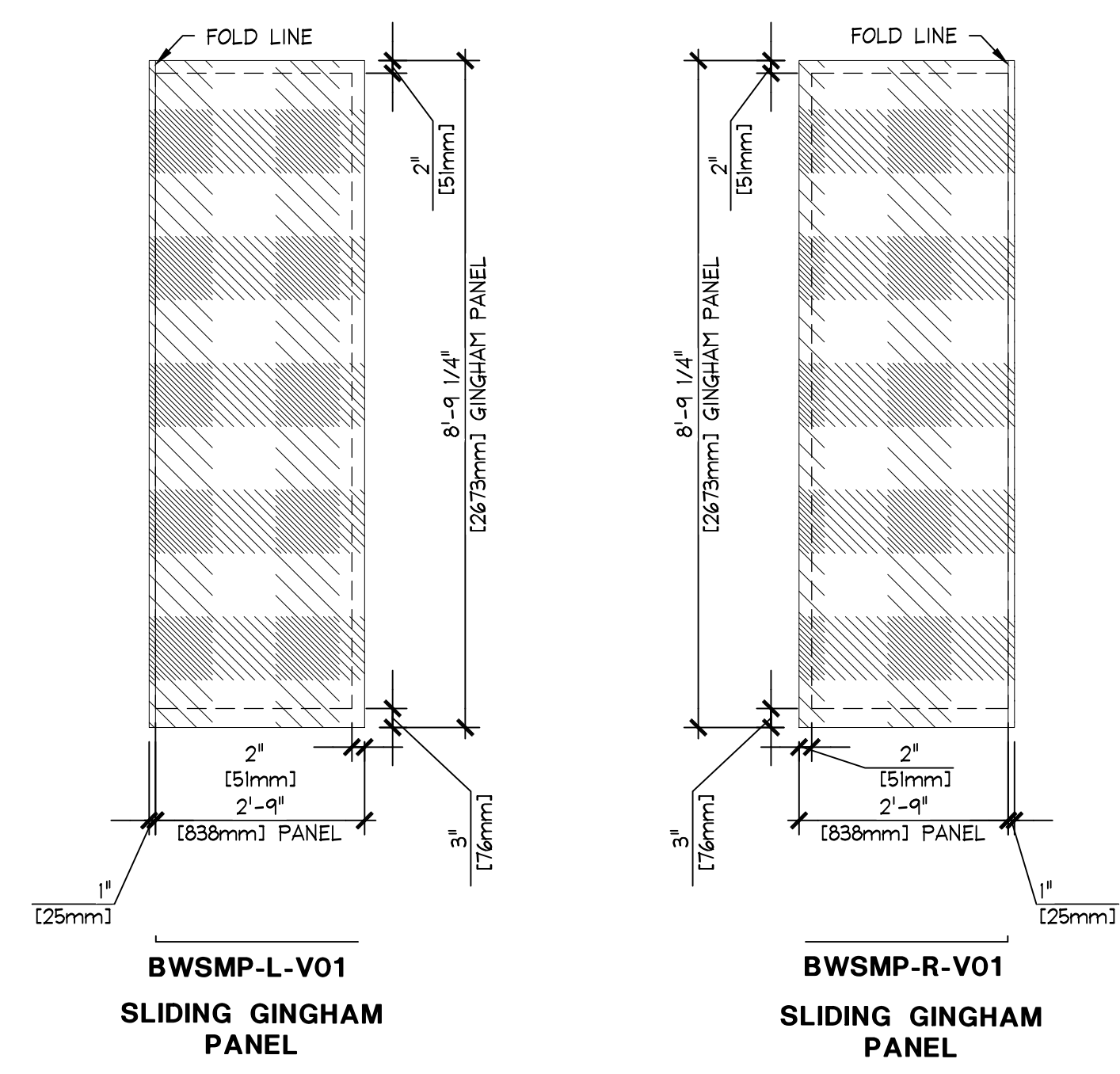
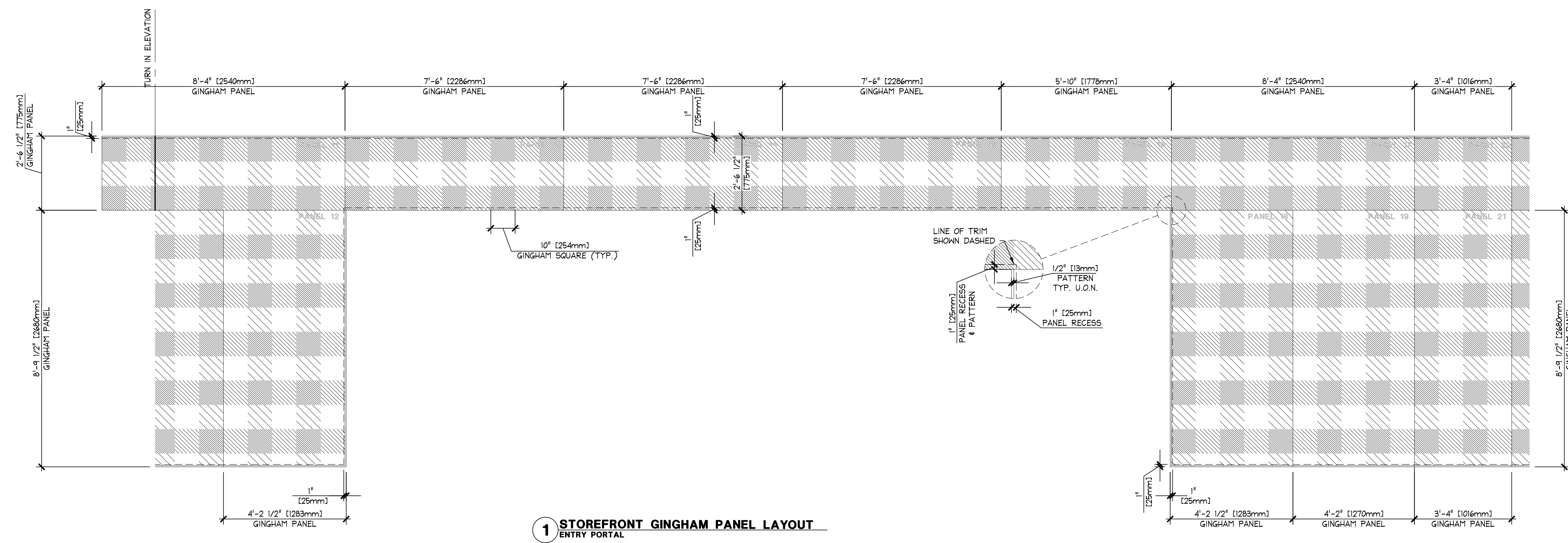
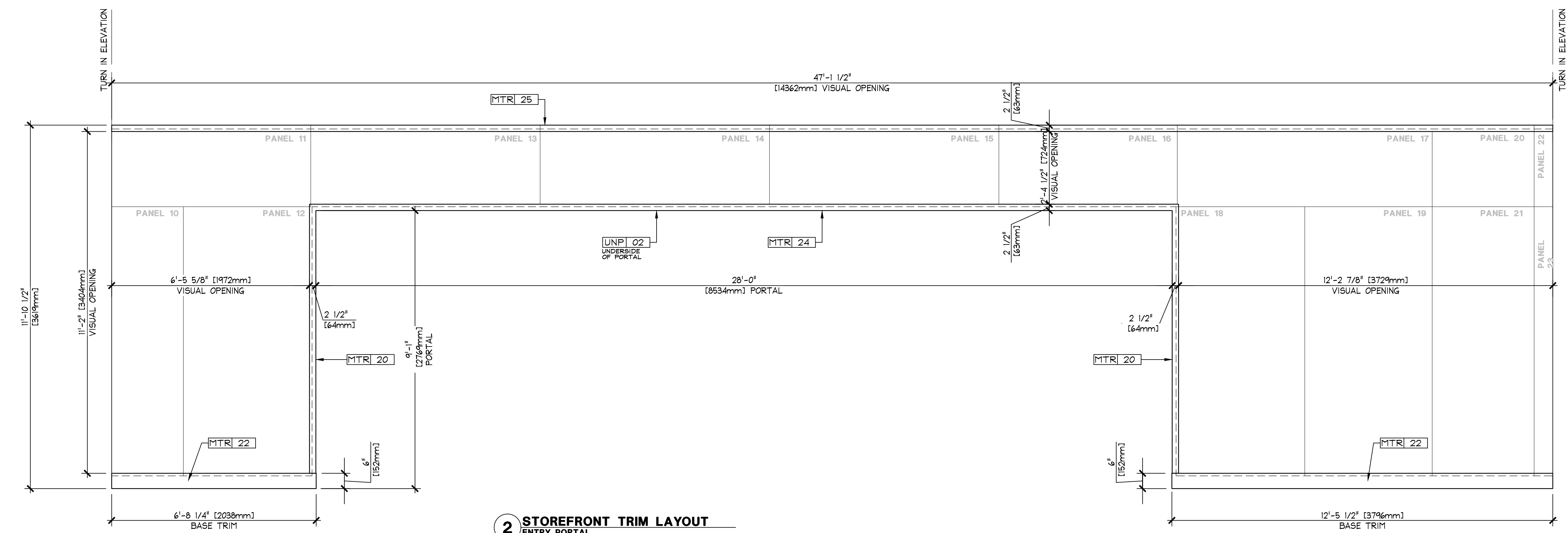
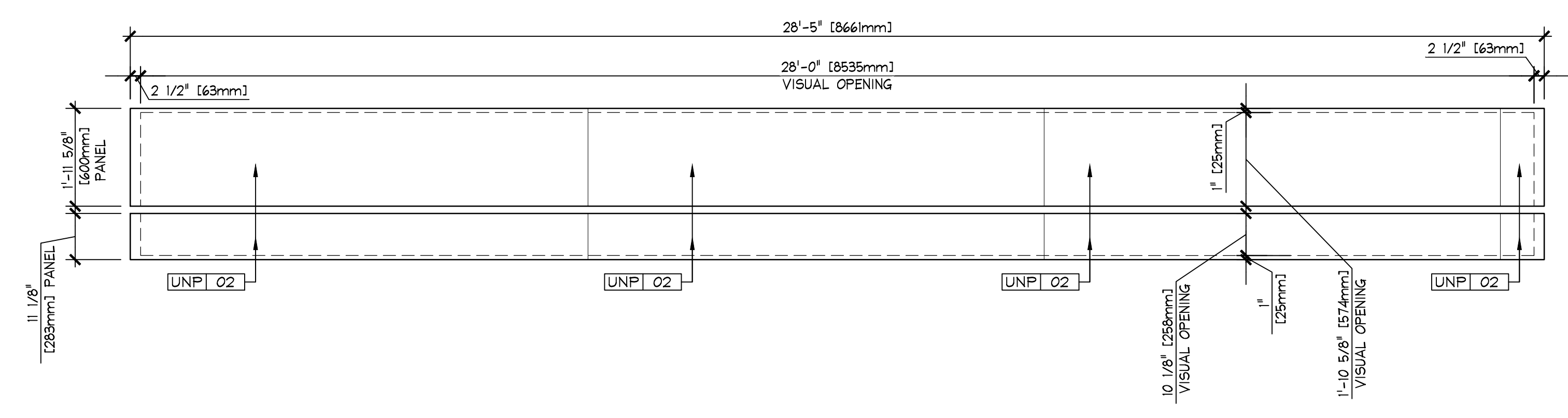
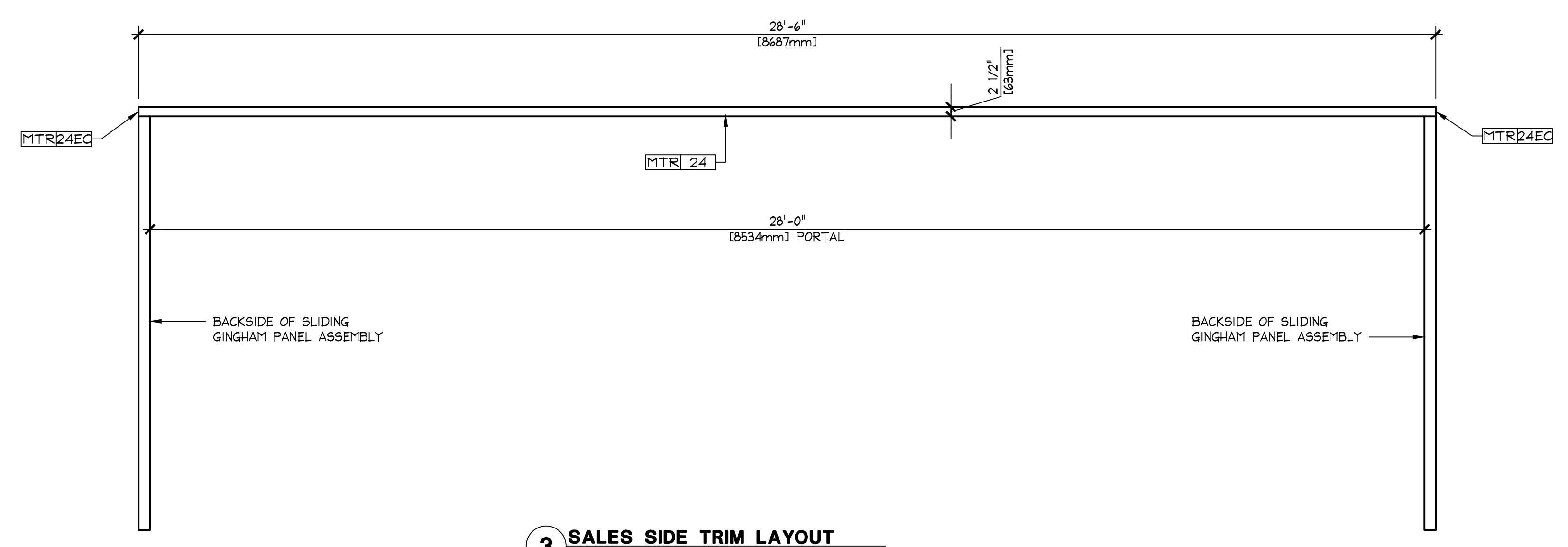
PACKAGE:
GENERATION:
A/E PROJECT #:

SSIS PKG 2
231501.00
20221012.0

GINGHAM PANEL & TRIM LAYOUT
DIS. WINDOW 1

DRAWING NUMBER:
A08.1d

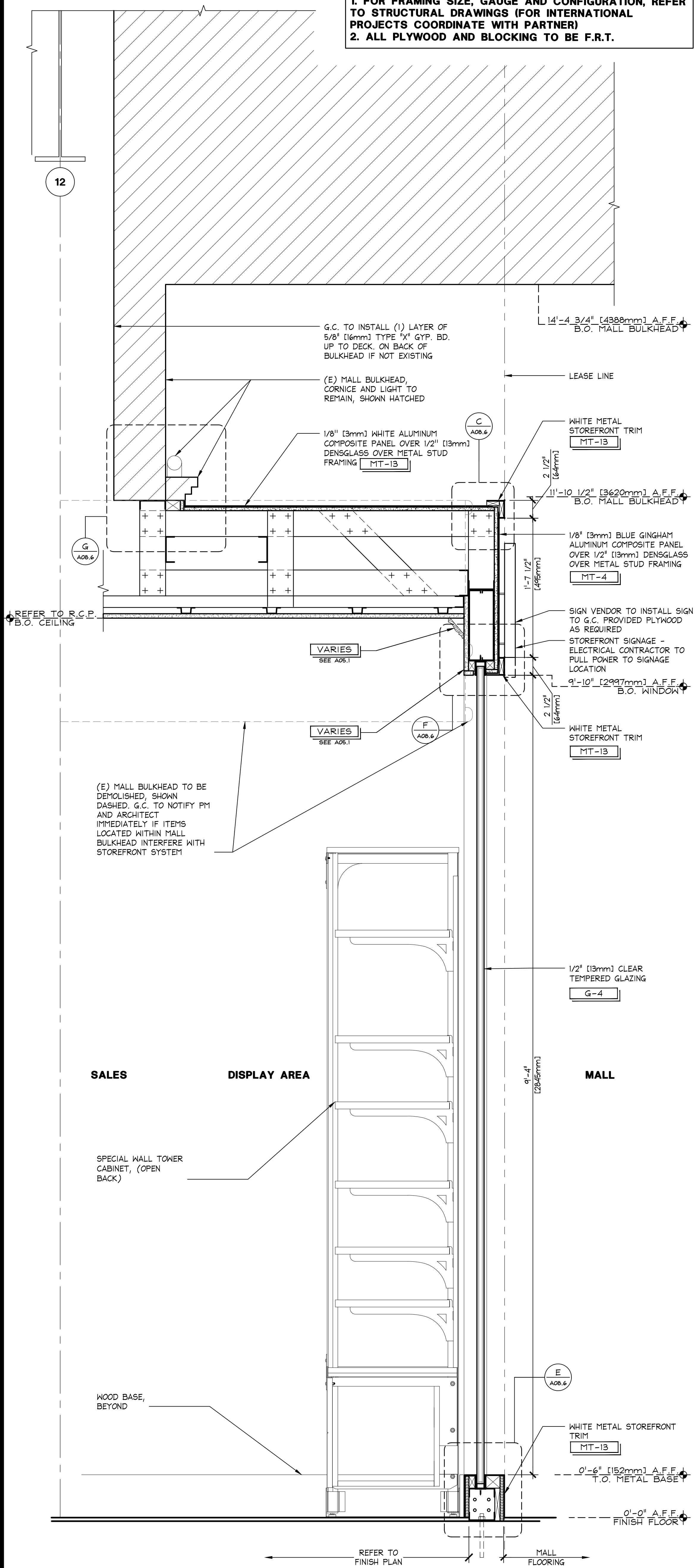
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF BATH & BODY WORKS, INC. AND SHALL NOT BE REPRODUCED OR COPIED IN ANY MANNER OR USED IN ANY OTHER PROJECT WITHOUT THE WRITTEN APPROVAL OF BATH & BODY WORKS, INC. WITHOUT SUCH APPROVAL, ANY REPRODUCTION OR USE OF THESE DRAWINGS AND SPECIFICATIONS IS STRICTLY PROHIBITED. BATH & BODY WORKS, INC. RESERVES THE RIGHT TO MAKE ANY CHANGES TO THESE DRAWINGS AND SPECIFICATIONS WITHOUT NOTICE. THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF BATH & BODY WORKS, INC. AND SHALL NOT BE REPRODUCED OR COPIED IN ANY MANNER OR USED IN ANY OTHER PROJECT WITHOUT THE WRITTEN APPROVAL OF BATH & BODY WORKS, INC. WITHOUT SUCH APPROVAL, ANY REPRODUCTION OR USE OF THESE DRAWINGS AND SPECIFICATIONS IS STRICTLY PROHIBITED. BATH & BODY WORKS, INC. RESERVES THE RIGHT TO MAKE ANY CHANGES TO THESE DRAWINGS AND SPECIFICATIONS WITHOUT NOTICE.



REVISIONS:

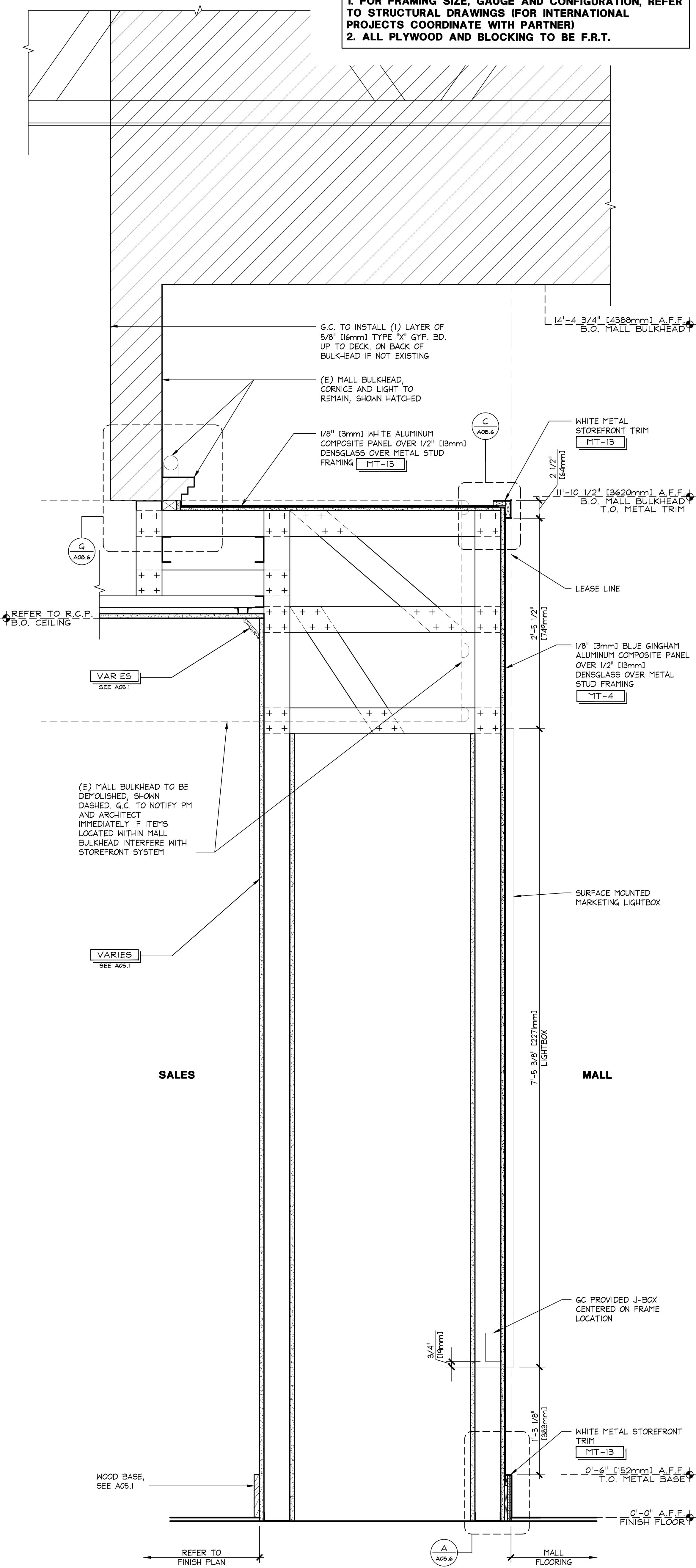
NO.	DESCRIPTION	DATE

NOTE:
 1. FOR FRAMING SIZE, GAUGE AND CONFIGURATION, REFER TO STRUCTURAL DRAWINGS (FOR INTERNATIONAL PROJECTS COORDINATE WITH PARTNER)
 2. ALL PLYWOOD AND BLOCKING TO BE F.R.T.



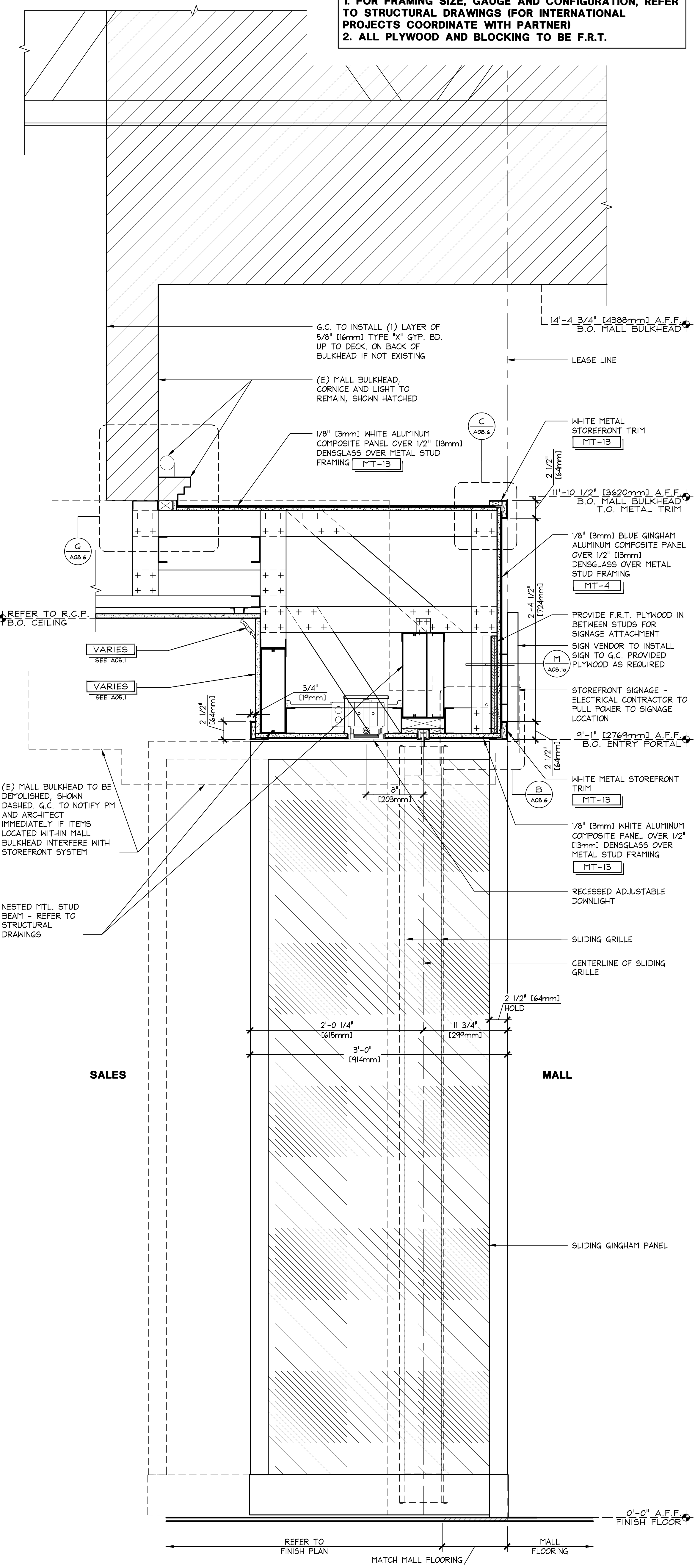
SECTION THRU DISPLAY WINDOW
 1 1/2" = 1'-0"
 428-A083-A00-SECT 09.24.21

NOTE:
 1. FOR FRAMING SIZE, GAUGE AND CONFIGURATION, REFER TO STRUCTURAL DRAWINGS (FOR INTERNATIONAL PROJECTS COORDINATE WITH PARTNER)
 2. ALL PLYWOOD AND BLOCKING TO BE F.R.T.

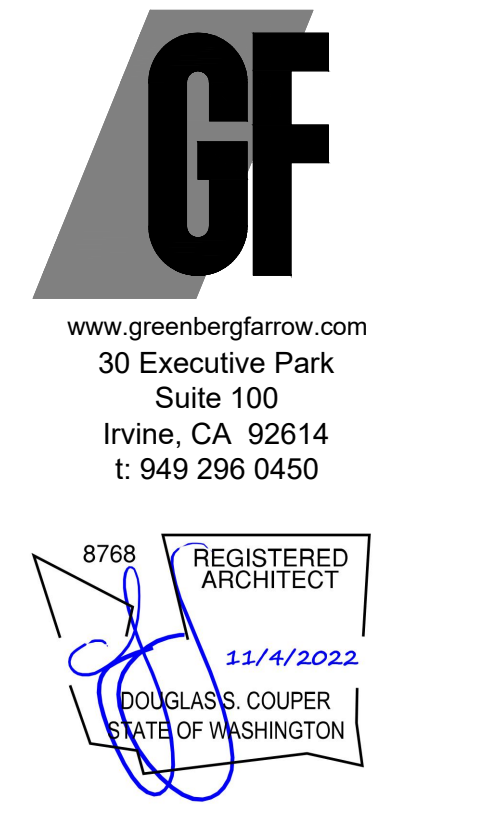


SECTION THRU METAL GINGHAM PANEL @ LIGHTBOX
 1 1/2" = 1'-0"
 428-A083-A00-SECT 09.24.21

NOTE:
 1. FOR FRAMING SIZE, GAUGE AND CONFIGURATION, REFER TO STRUCTURAL DRAWINGS (FOR INTERNATIONAL PROJECTS COORDINATE WITH PARTNER)
 2. ALL PLYWOOD AND BLOCKING TO BE F.R.T.



SECTION W/ SLIDING GRILLE @ ENTRY PORTAL
 1 1/2" = 1'-0"
 428-A083-A00-SECT 09.24.21



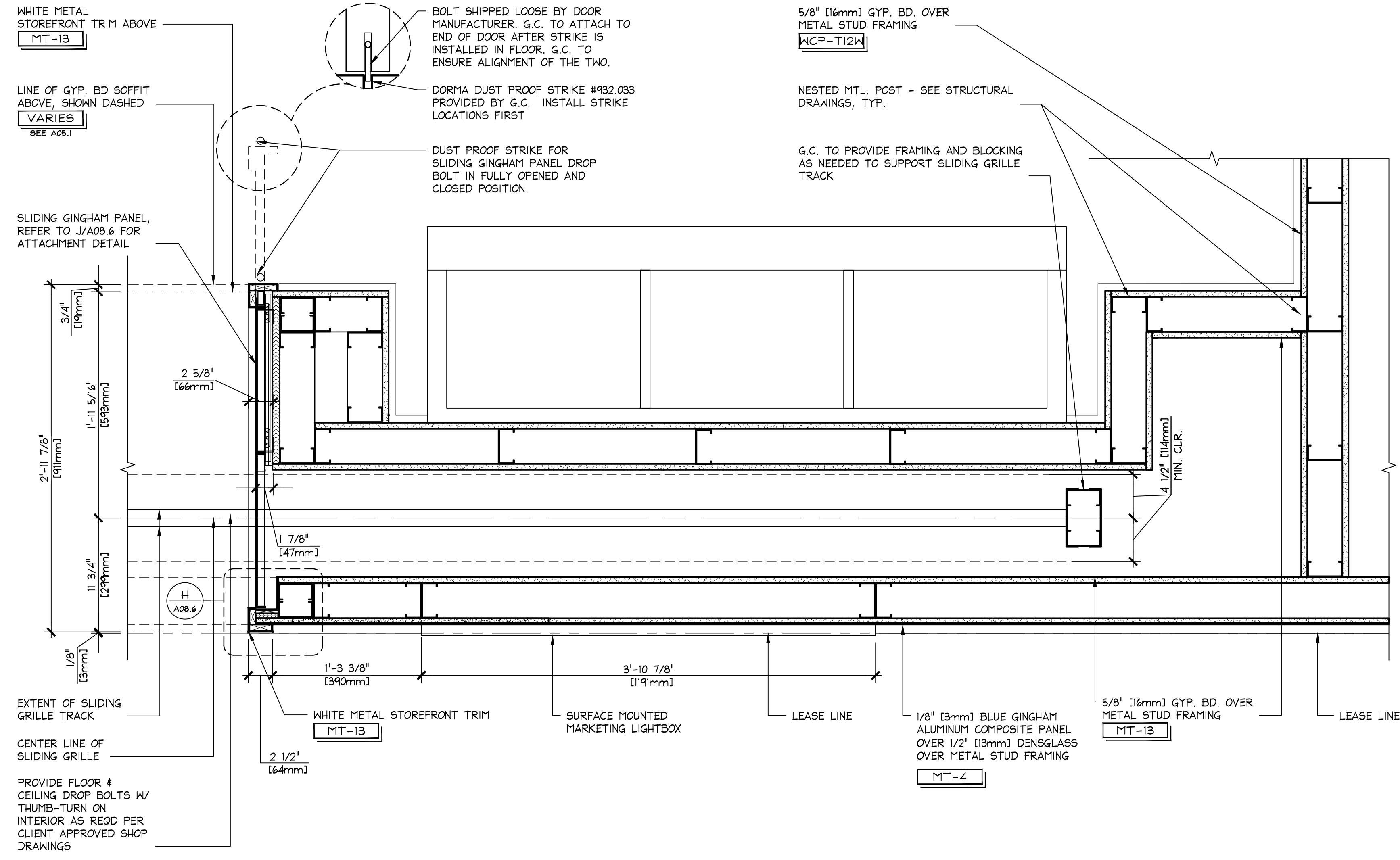
Bath & Body Works
 Three Limited Parkway - Columbus, Ohio 43230
 Telephone: 614.415.7000 · Fax: 614.415.7349

104.01.0737.01
 BATH & BODY WORKS
 SOUTH HILL MALL
 235
 3500 S. MERIDIAN STREET
 FORT LUDOWIC, VA 98373

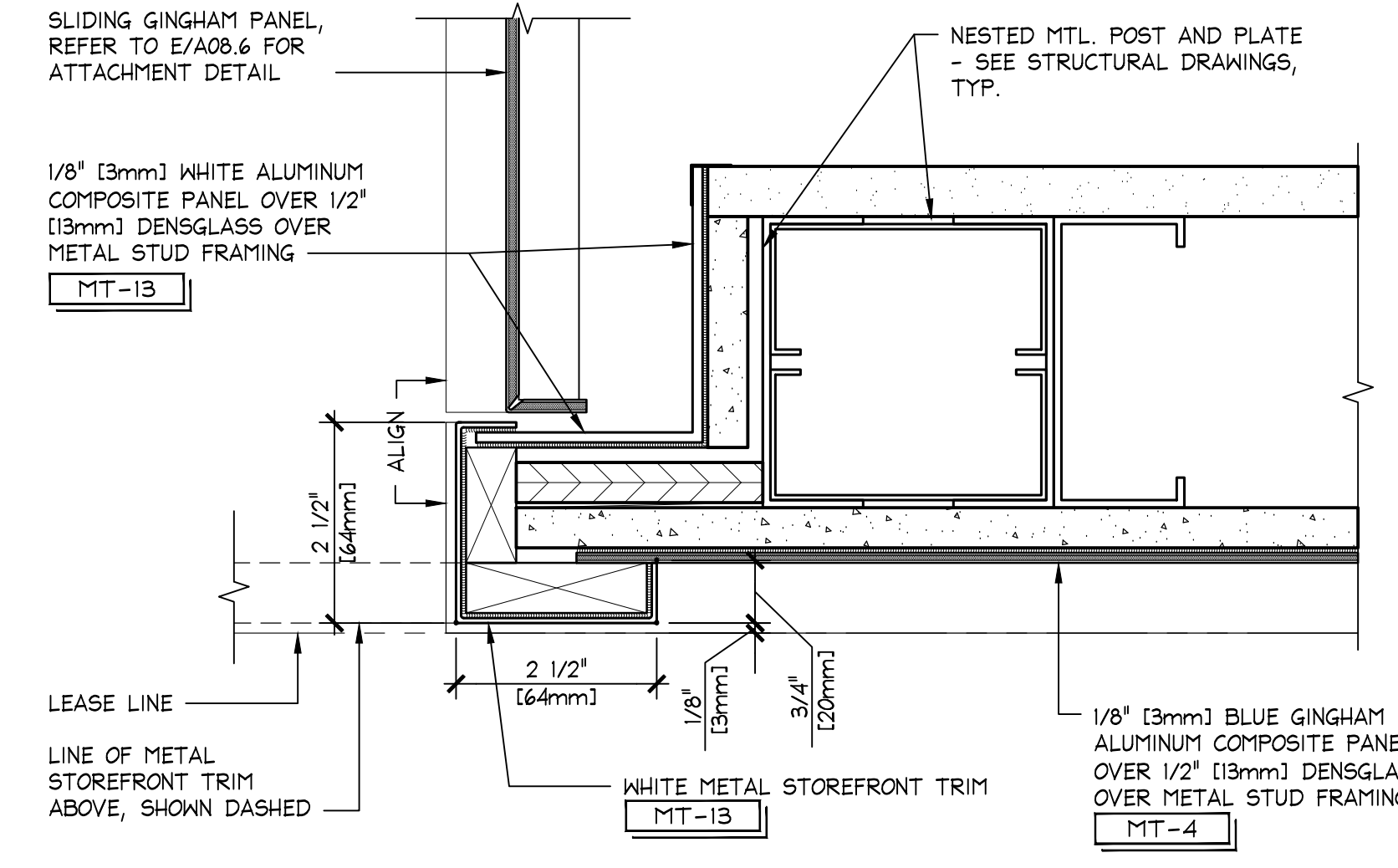
PROJECT INFORMATION:
 BATH & BODY WORKS
 SOUTH HILL MALL
 235
 3500 S. MERIDIAN STREET
 FORT LUDOWIC, VA 98373

REVISIONS:
 DATE ISSUED: 11/04/2022
 DESIGNED BY: TN
 DRAWN BY: PC
 CHECKED BY: PV

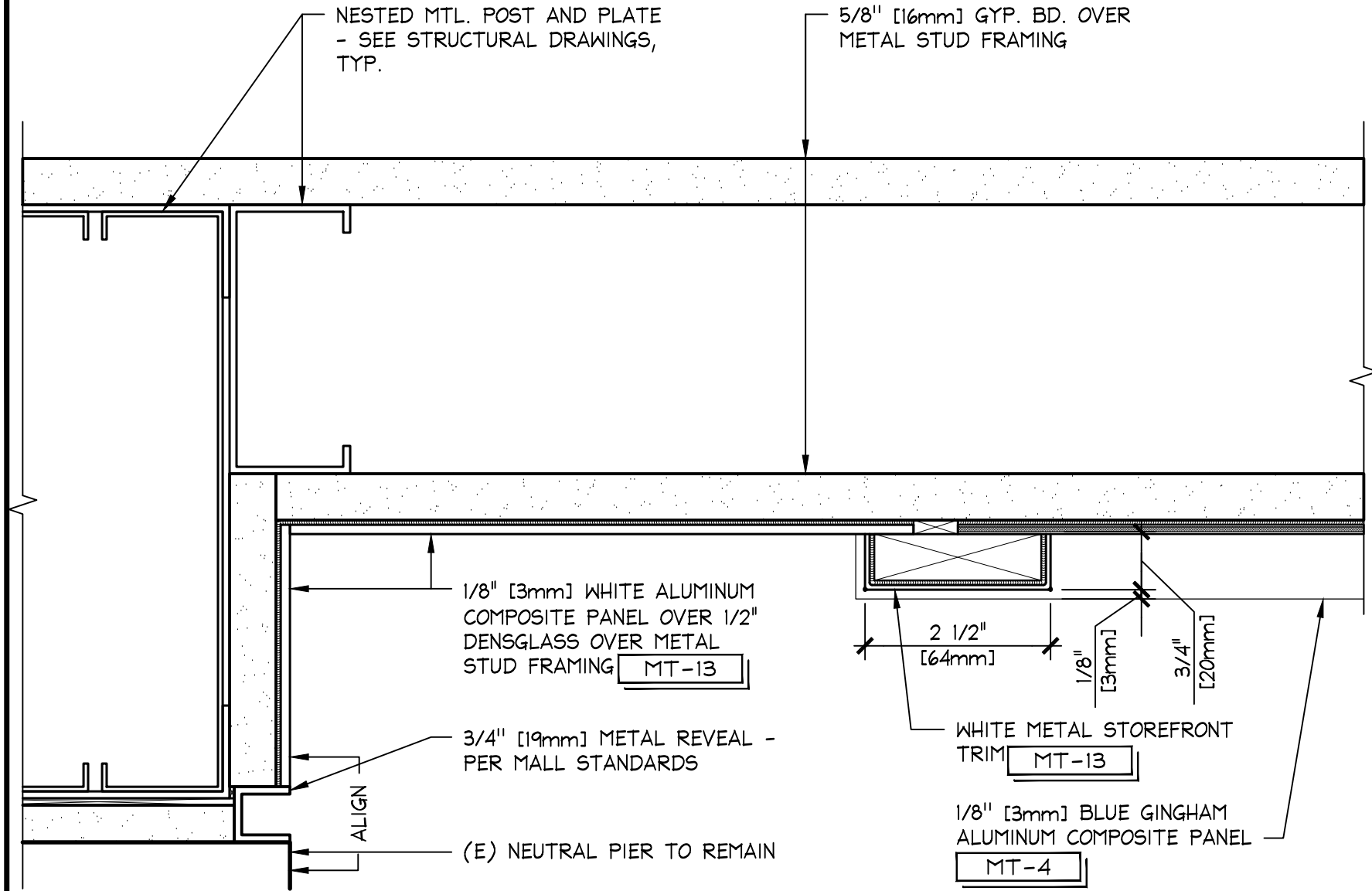
STOREFRONT SECTIONS
 DRAWING NUMBER:
A08.3



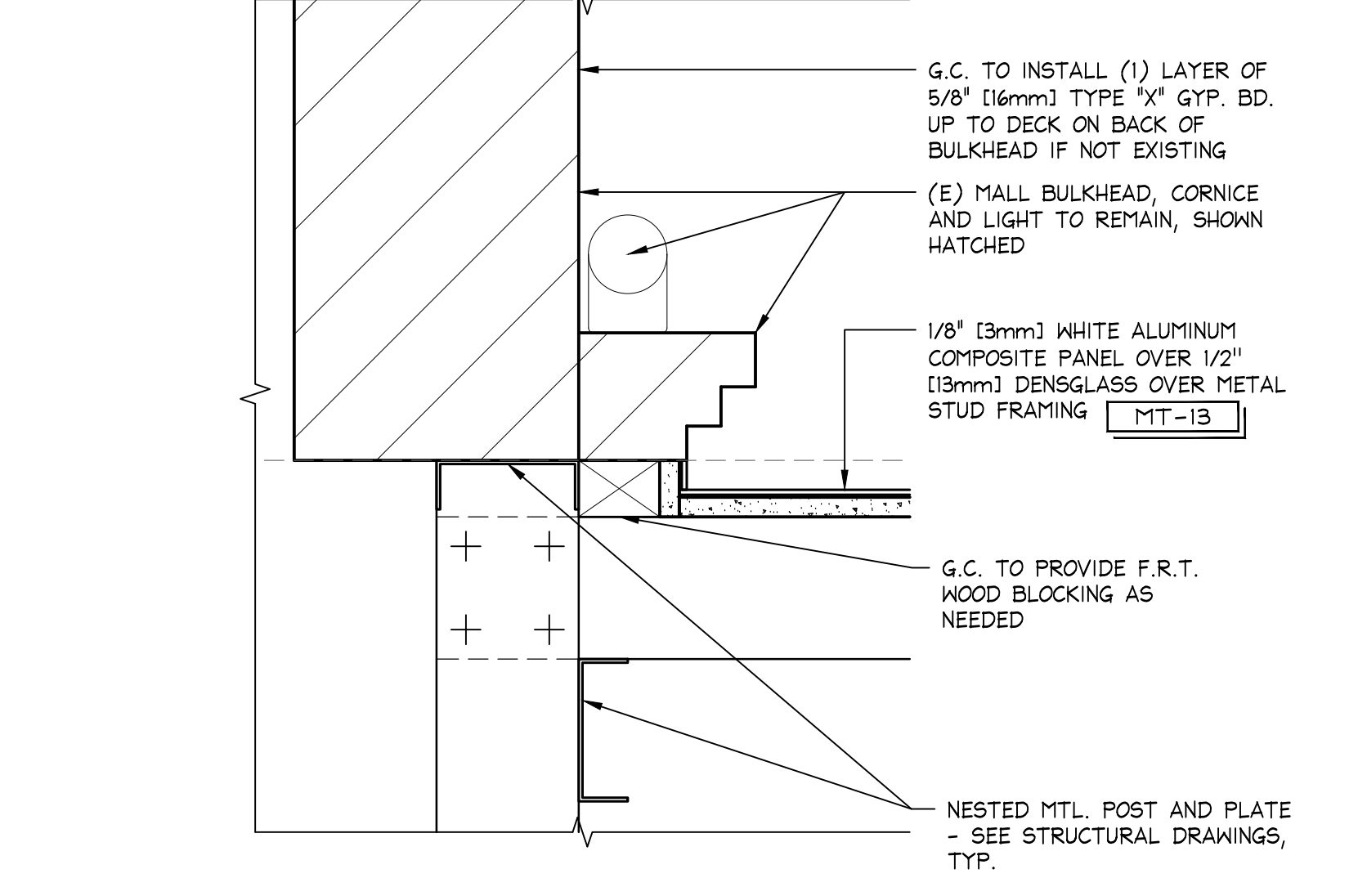
TYPE 1e ENLARGED PLAN DTL W/ SLIDING GRILLE
 1 1/2" = 1'-0"
 42D-A088-L00-DETL
 L 09.24.21



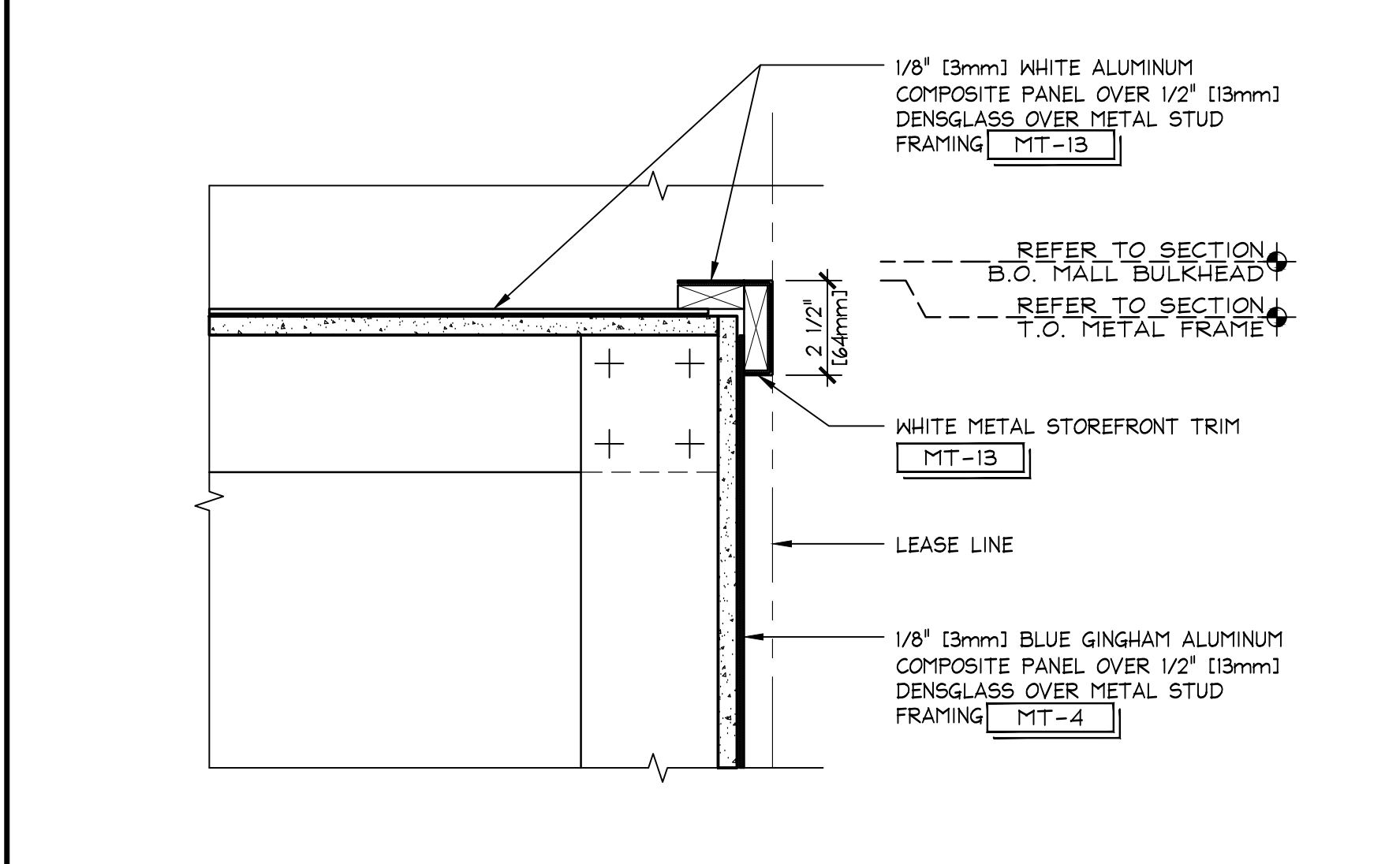
TRIM DETAIL H
 6" = 1'-0"
 42D-A088-G00-DETL
 H 09.24.21



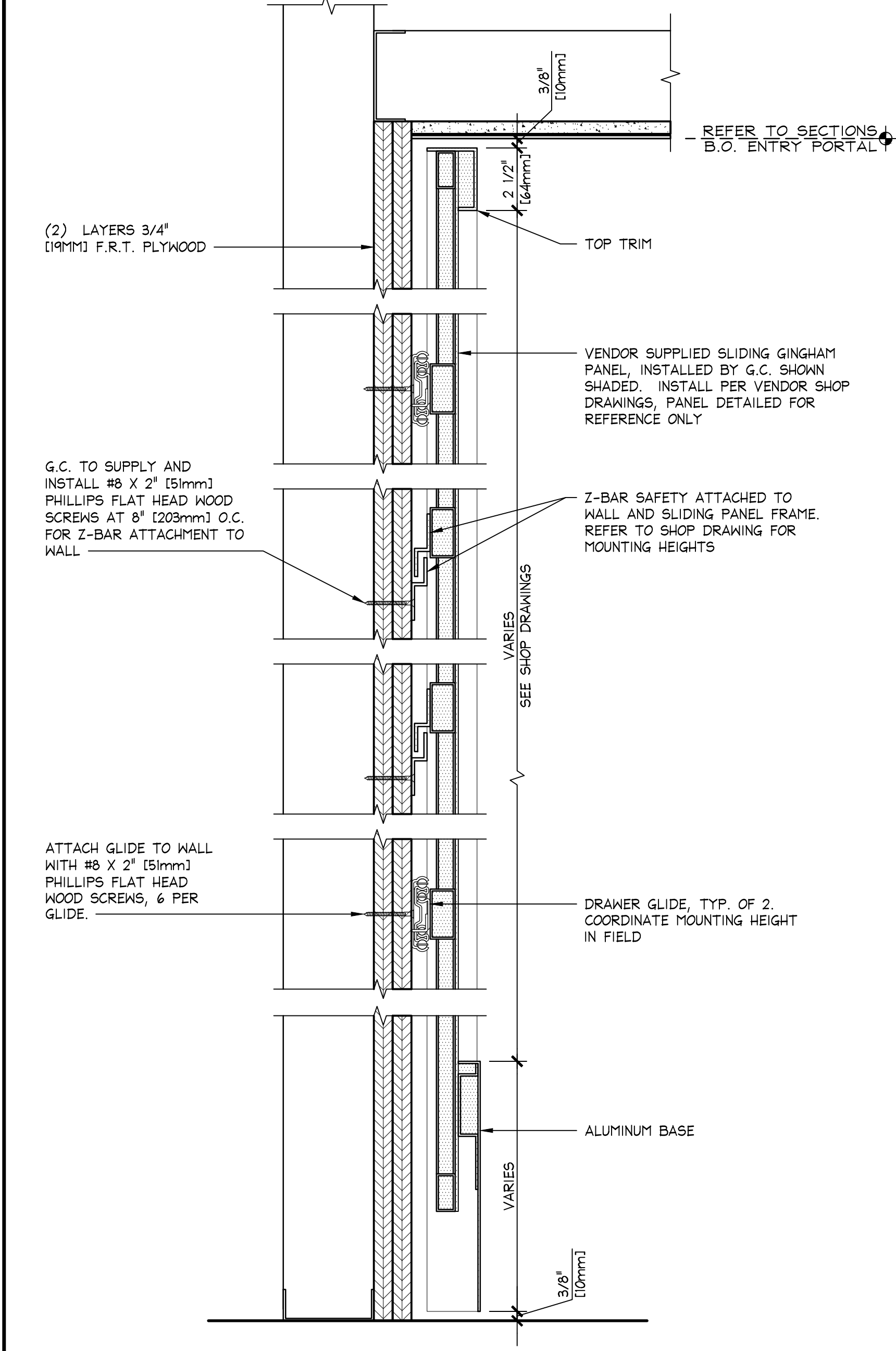
TRIM DETAIL D
 6" = 1'-0"
 42D-A088-G00-DETL
 D 09.24.21



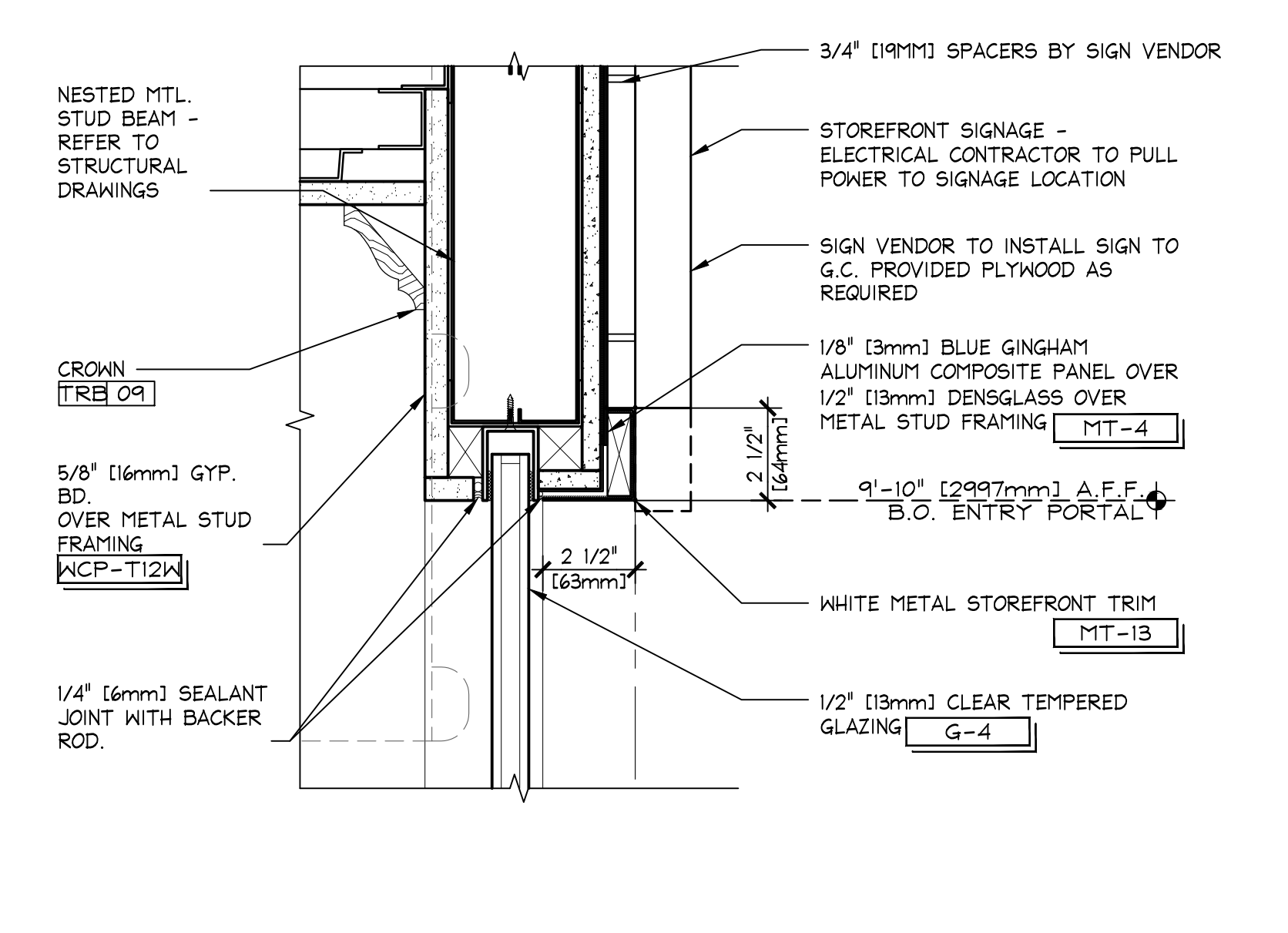
DETAIL AT BULKHEAD/ CORNICE G
 3" = 1'-0"
 42D-A088-B01-DETL
 G 09.24.21



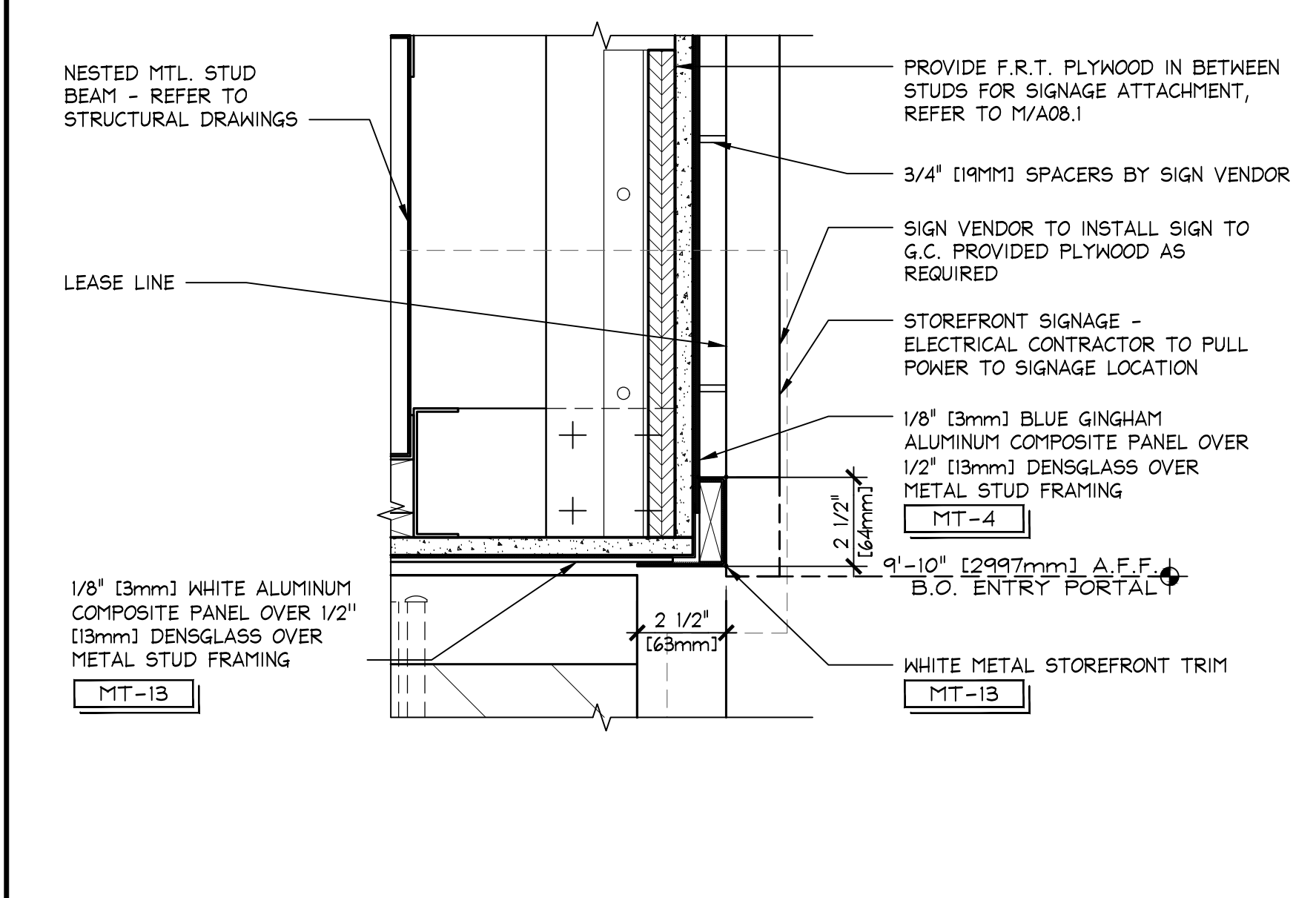
DETAIL AT T.O. STOREFRONT C
 3" = 1'-0"
 42D-A088-B01-DETL
 C 09.24.21



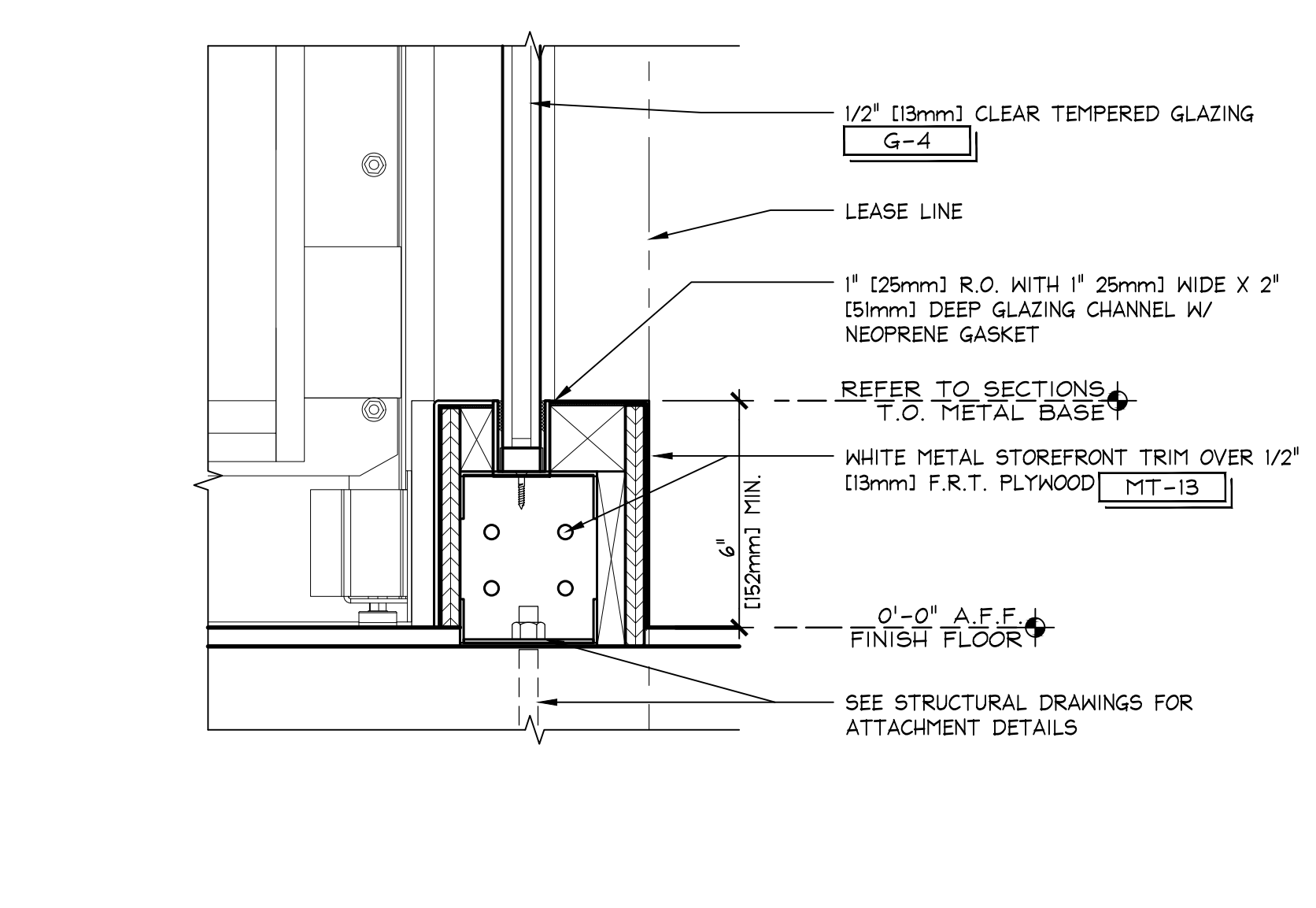
SLIDING GINGHAM PANEL ATTACHMENT DETAIL J
 3" = 1'-0"
 42D-A088-E07-DETL
 J 09.24.21



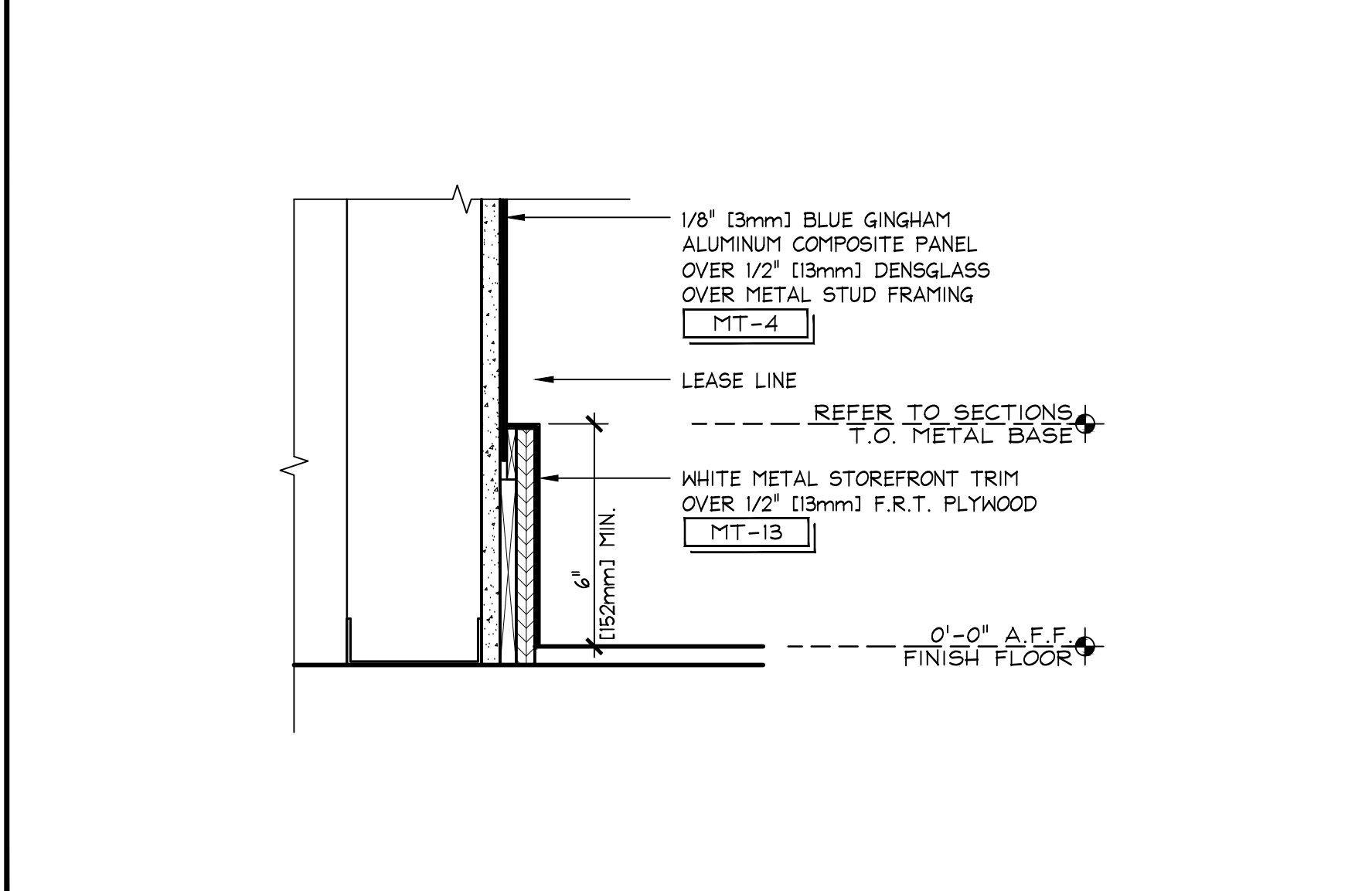
DETAIL AT T.O. WINDOW F
 3" = 1'-0"
 42D-A088-B01-DETL
 F 09.24.21



DETAIL AT ENTRY PORTAL B
 3" = 1'-0"
 42D-A088-B01-DETL
 B 09.24.21



DETAIL @ WINDOW SILL E
 3" = 1'-0"
 42D-A088-J00-DETL
 E 09.24.21



DETAIL @ SILL A
 3" = 1'-0"
 42D-A088-J00-DETL
 A 09.24.21



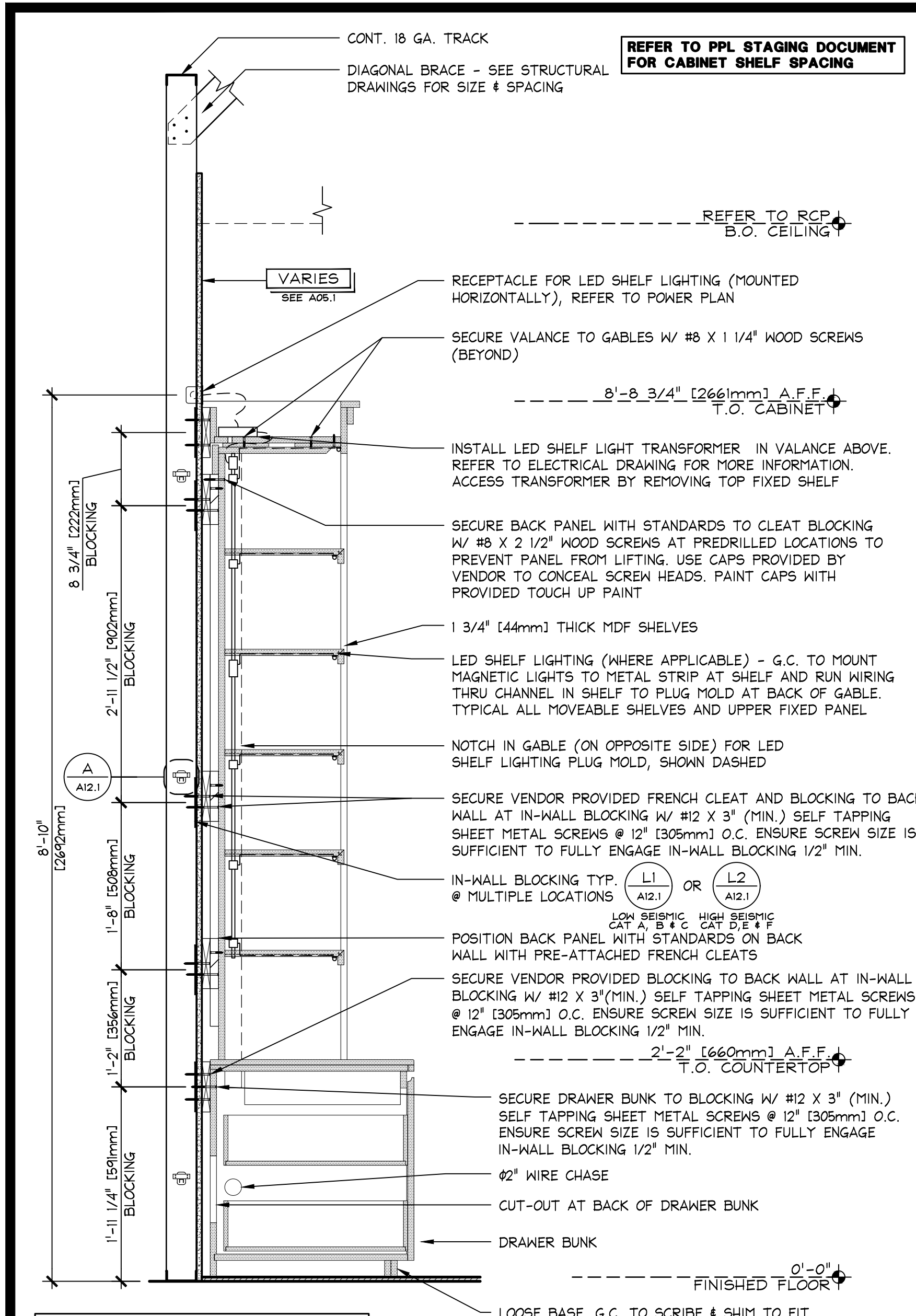
Bath & Body Works
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104.01.0737.01
 BATH & BODY WORKS
 SOUTH HILL MALL
 SPACE NO. 235
 3500 S. MERIDIAN STREET
 FORT LUDLOW, VA 98373

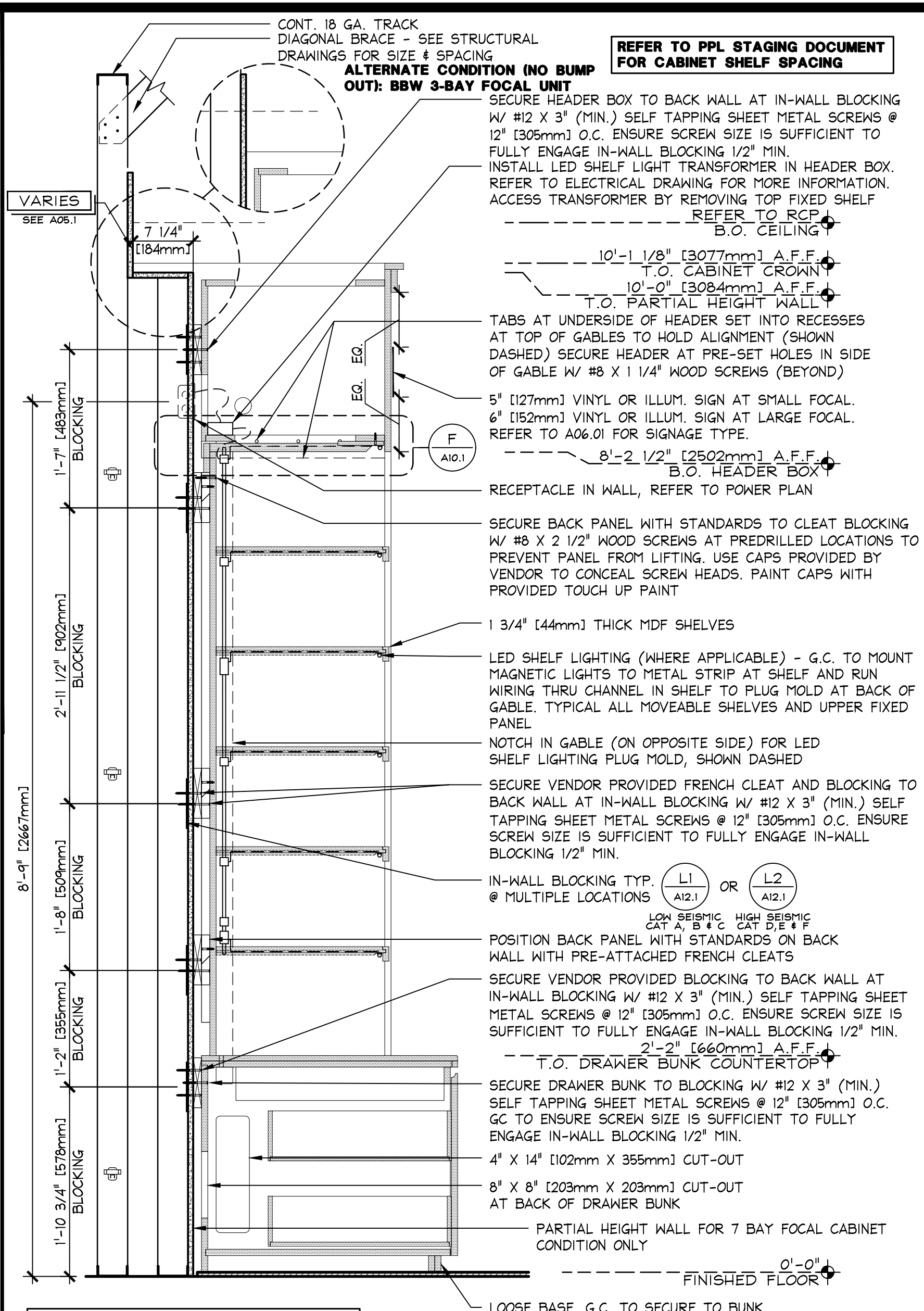
PROJECT INFORMATION:
 BATH & BODY WORKS
 SOUTH HILL MALL
 SPACE NO. 235
 3500 S. MERIDIAN STREET
 FORT LUDLOW, VA 98373

REVISIONS:
 DATE ISSUED: 11/04/2022
 DESIGNED BY: TN
 DRAWN BY: DH
 CHECKED BY: PV

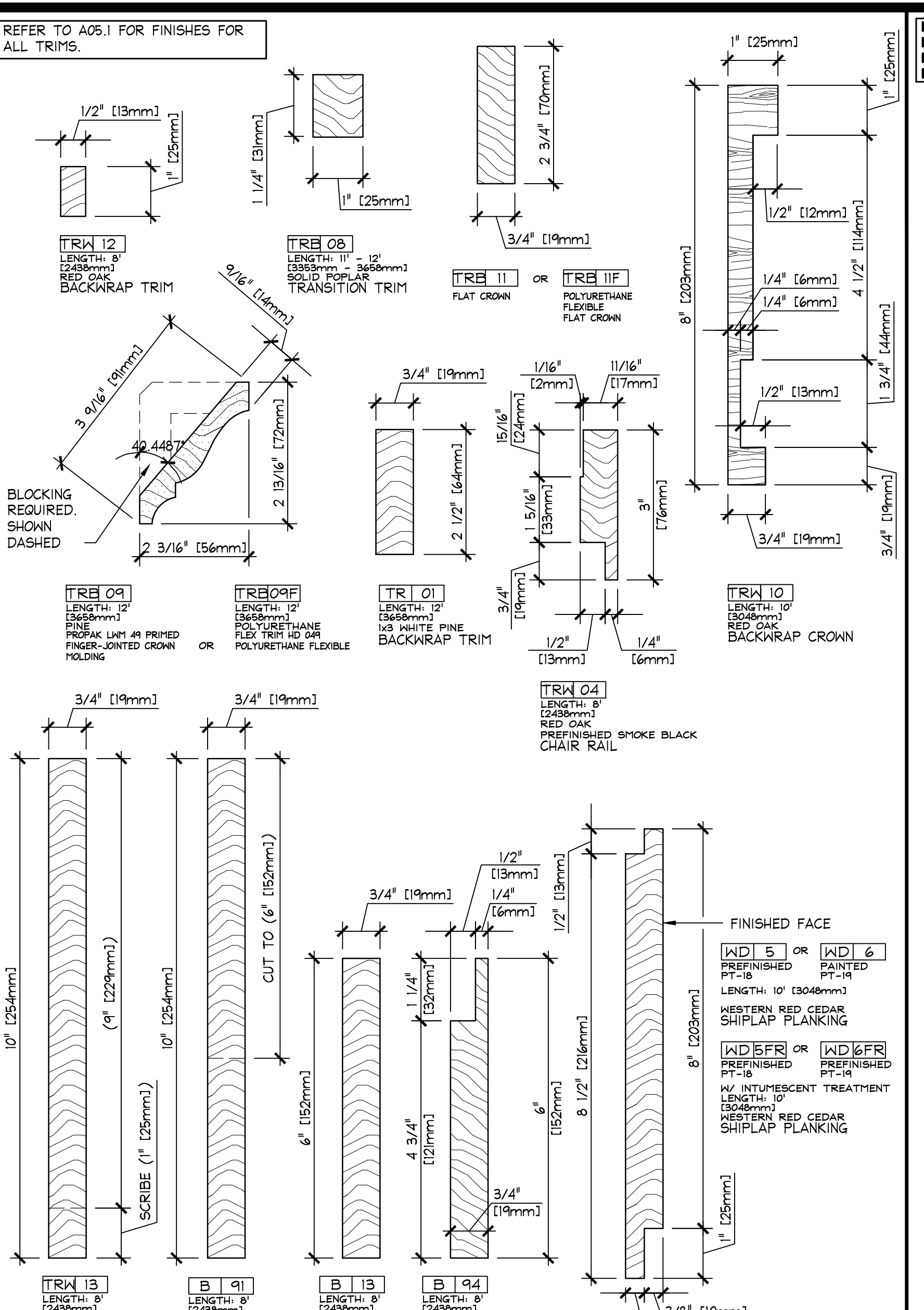
BBW INTERIOR STOREFRONT DETAILS
 DRAWING NUMBER:
A08.6



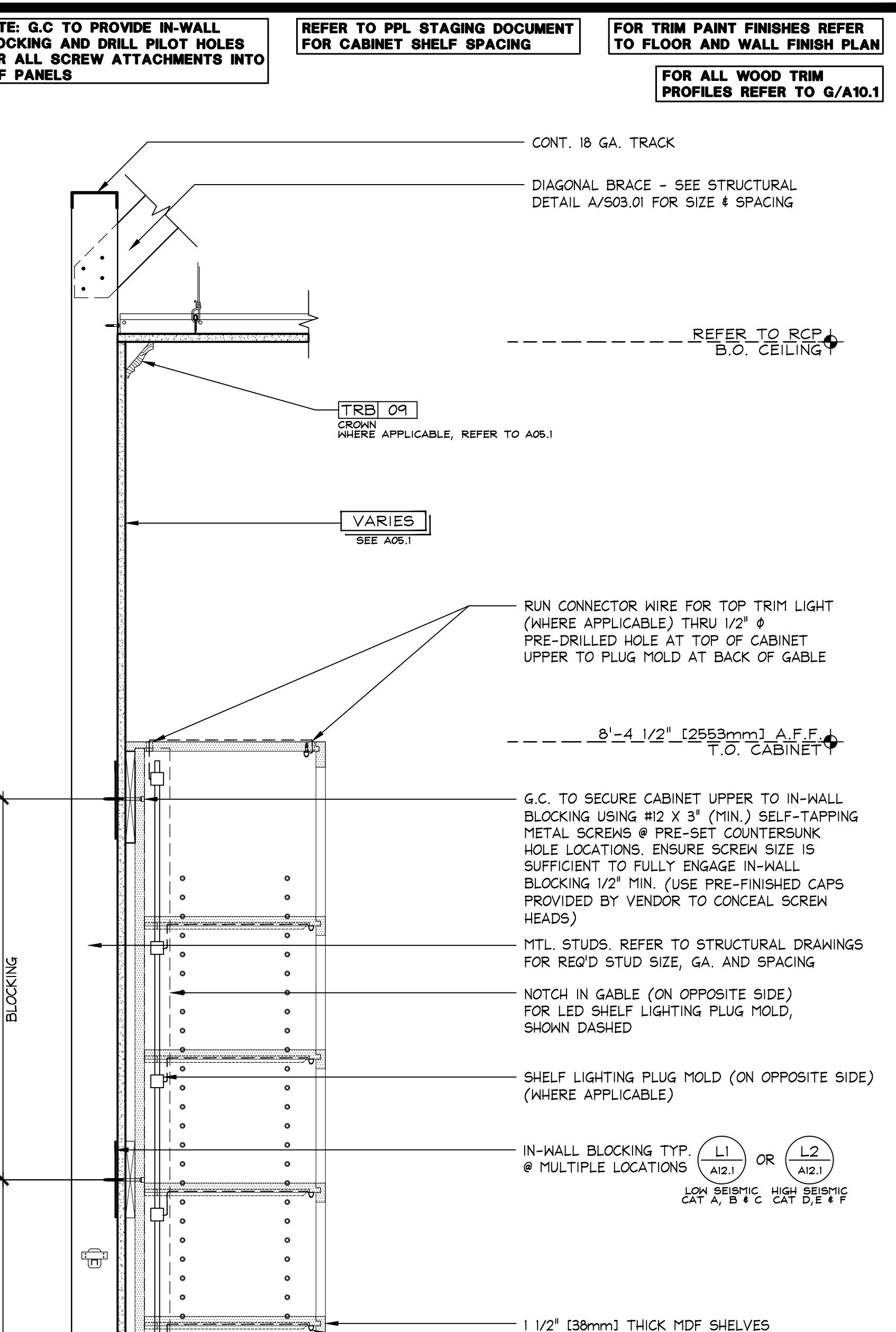
SECTION @ FOCAL CABINET SIDE UNIT
1" = 1'-0"
428-A101-R00-SECT
09.30.22



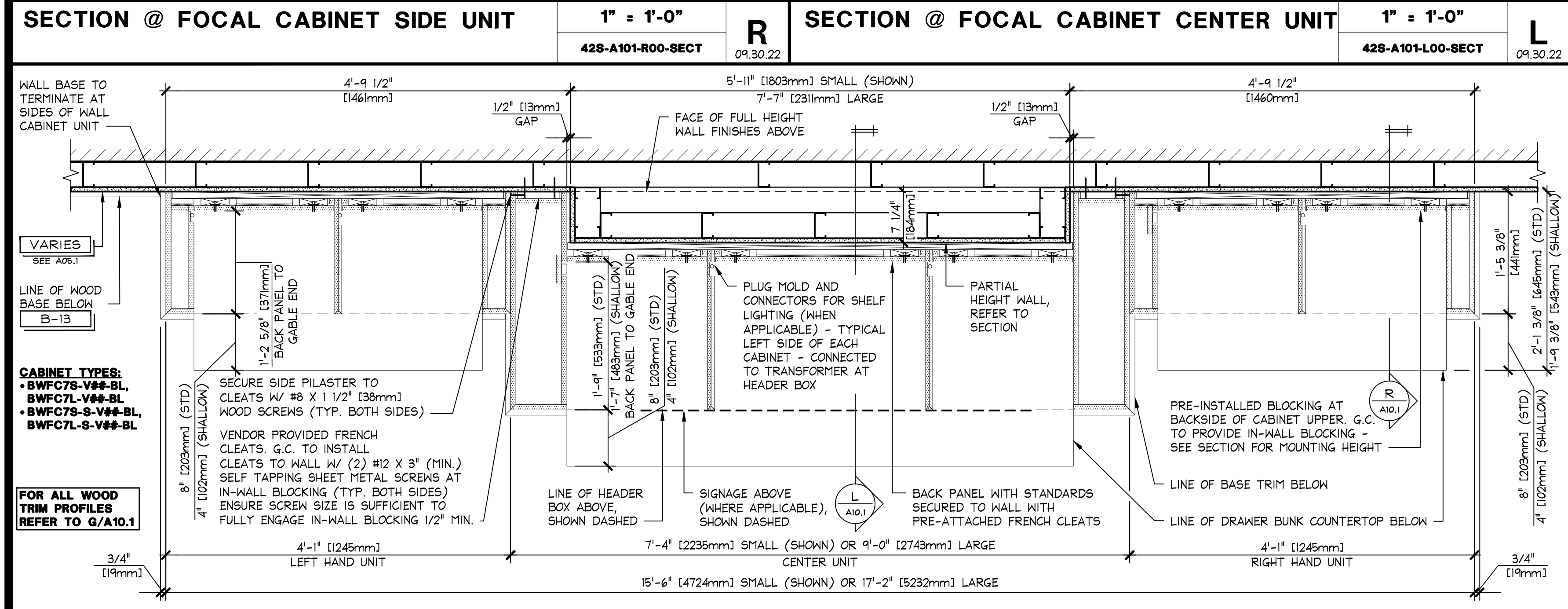
SECTION @ FOCAL CABINET CENTER UNIT
1" = 1'-0"
428-A101-L00-SECT
09.30.22



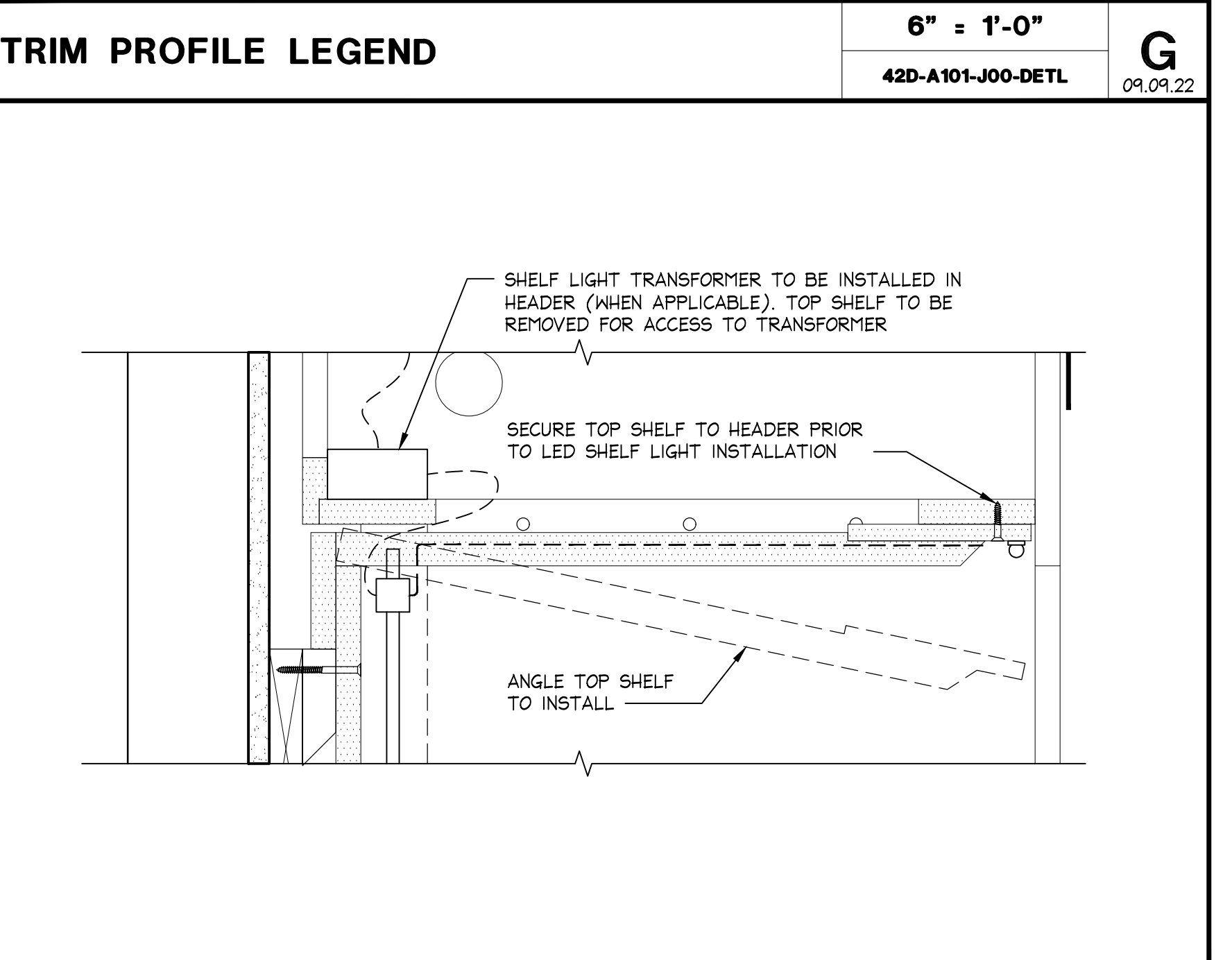
TRIM PROFILE LEGEND
6" = 1'-0"
420-A101-J00-DETL
09.09.22



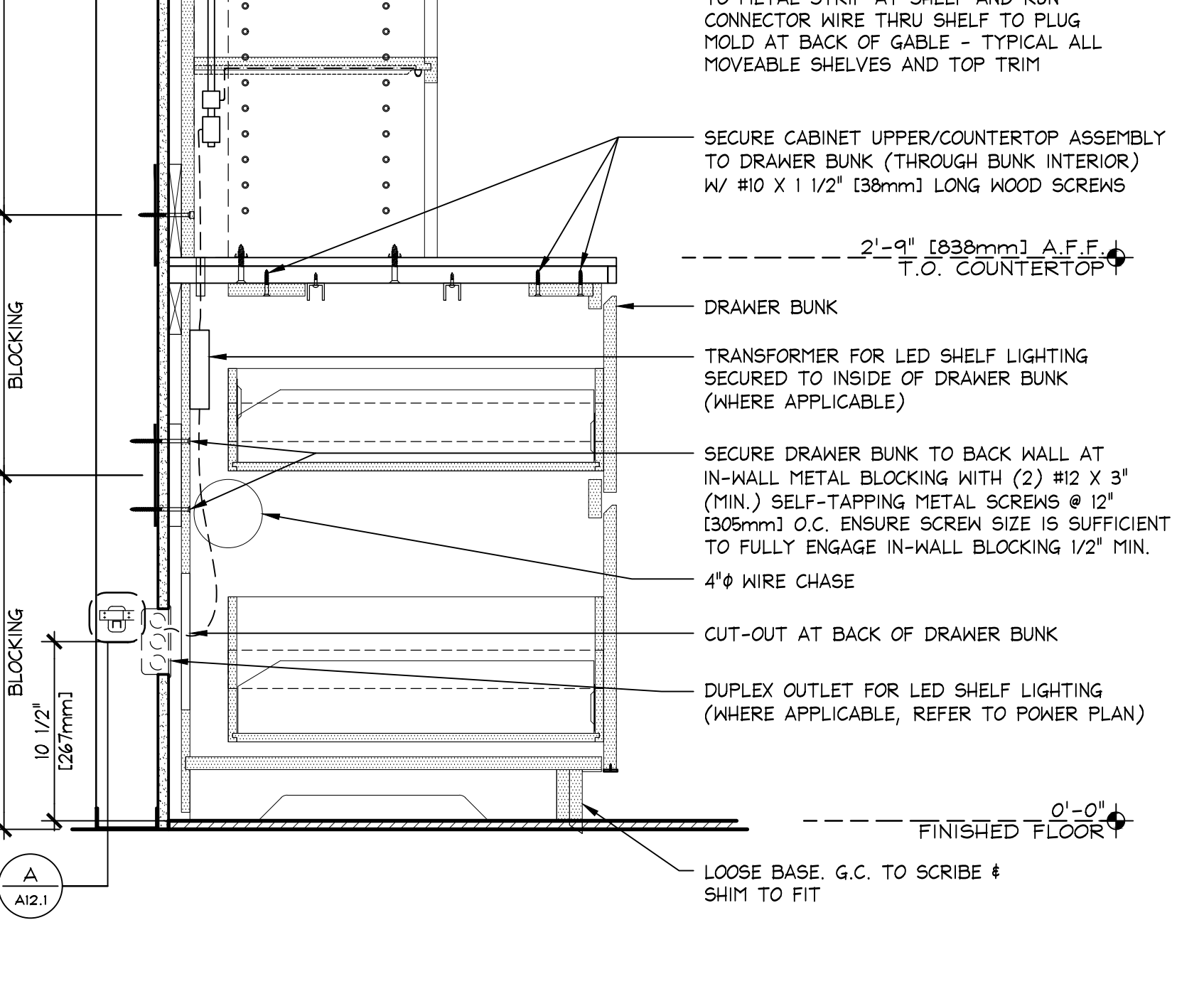
SECTION @ WALL CABINET
1 1/2" = 1'-0"
428-A101-F00-SECT
09.30.22



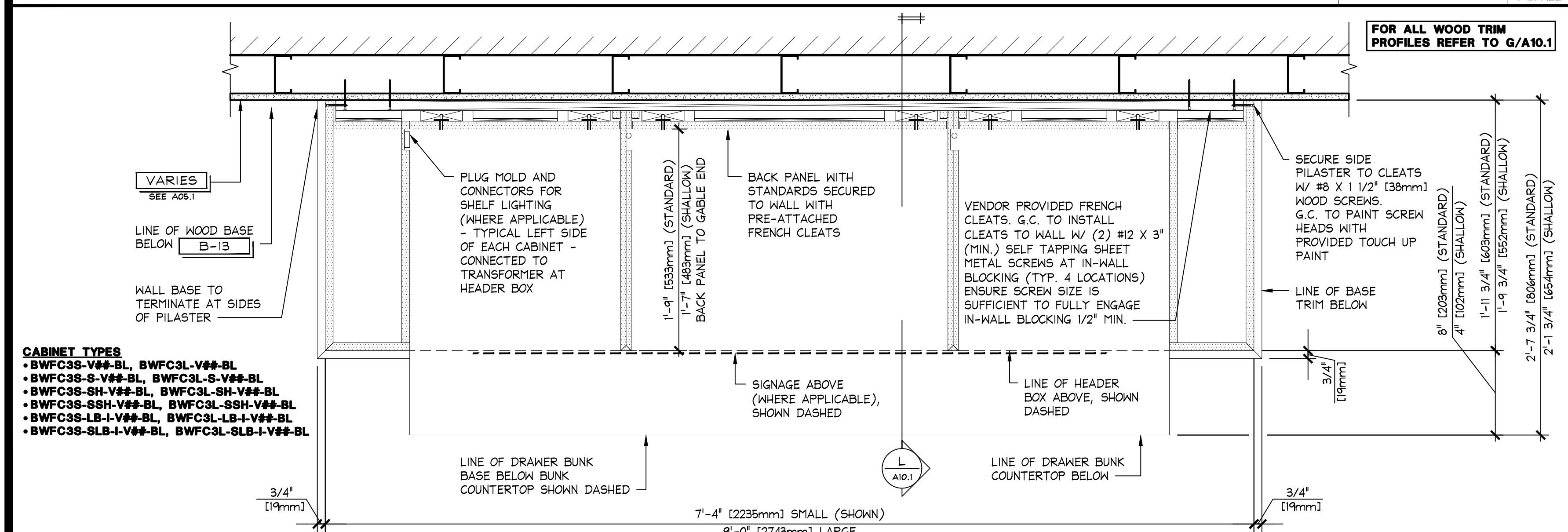
ENLARGED PLAN @ 7 BAY FOCAL CABINET
1" = 1'-0"
420-A101-K00-DETL
09.30.22



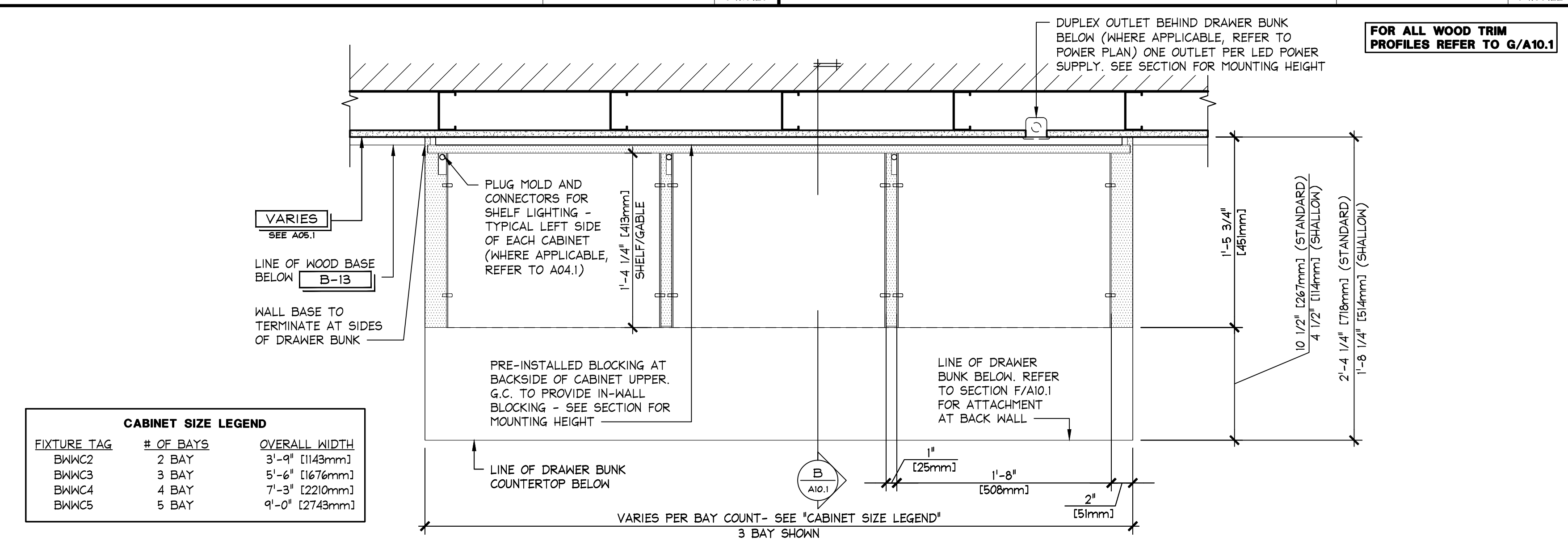
TOP SHELF INSTALLATION
3" = 1'-0"
420-A102-H00-DETL
04.10.20



ENLARGED PLAN @ WALL CABINET
1 1/2" = 1'-0"
420-A101-A00-DETL
09.16.22



ENLARGED PLAN @ 3 BAY FOCAL CABINET
1 1/2" = 1'-0"
420-A101-J00-DETL
09.30.22



ENLARGED PLAN @ WALL CABINET
(BWWC#-V##-WH, BWWC#-S-V##-WH, BWWC#-SH-V##-WH AND BWWC#-SSH-V##-WH)
1 1/2" = 1'-0"
420-A101-A00-DETL
09.16.22

GF
www.greenbergfarrow.com
30 Executive Park
Suite 100
Irvine, CA 92614
T 949 296 0450

REGISTERED ARCHITECT
11/4/2022
BOULDER COUNTY
STATE OF WASHINGTON

Bath & Body Works
Three Limited Parkway - Columbus, Ohio 43290
Telephone: 614.445.7000 • Fax: 614.415.7349

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104.01.0737.01

BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
FALLAP, WA 98375

PROJECT INFORMATION:
FULL MODEL: 235150.00
DATE: 2022.10.12.0
PACKAGE: 235150.00
GENERATION: 00116082
A/E PROJECT #:

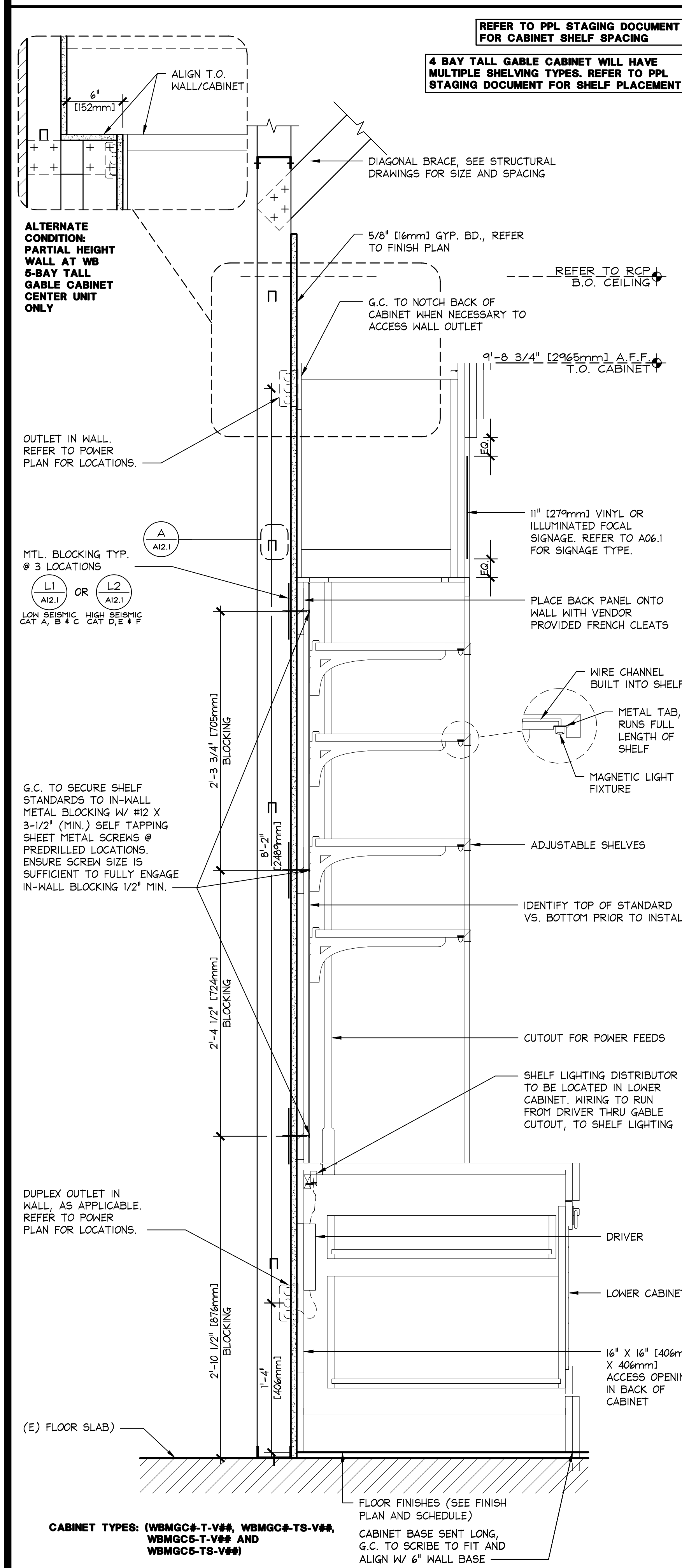
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
FALLAP, WA 98375

REVISIONS:

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

BBW PERIMETER CABINETRY DETAILS

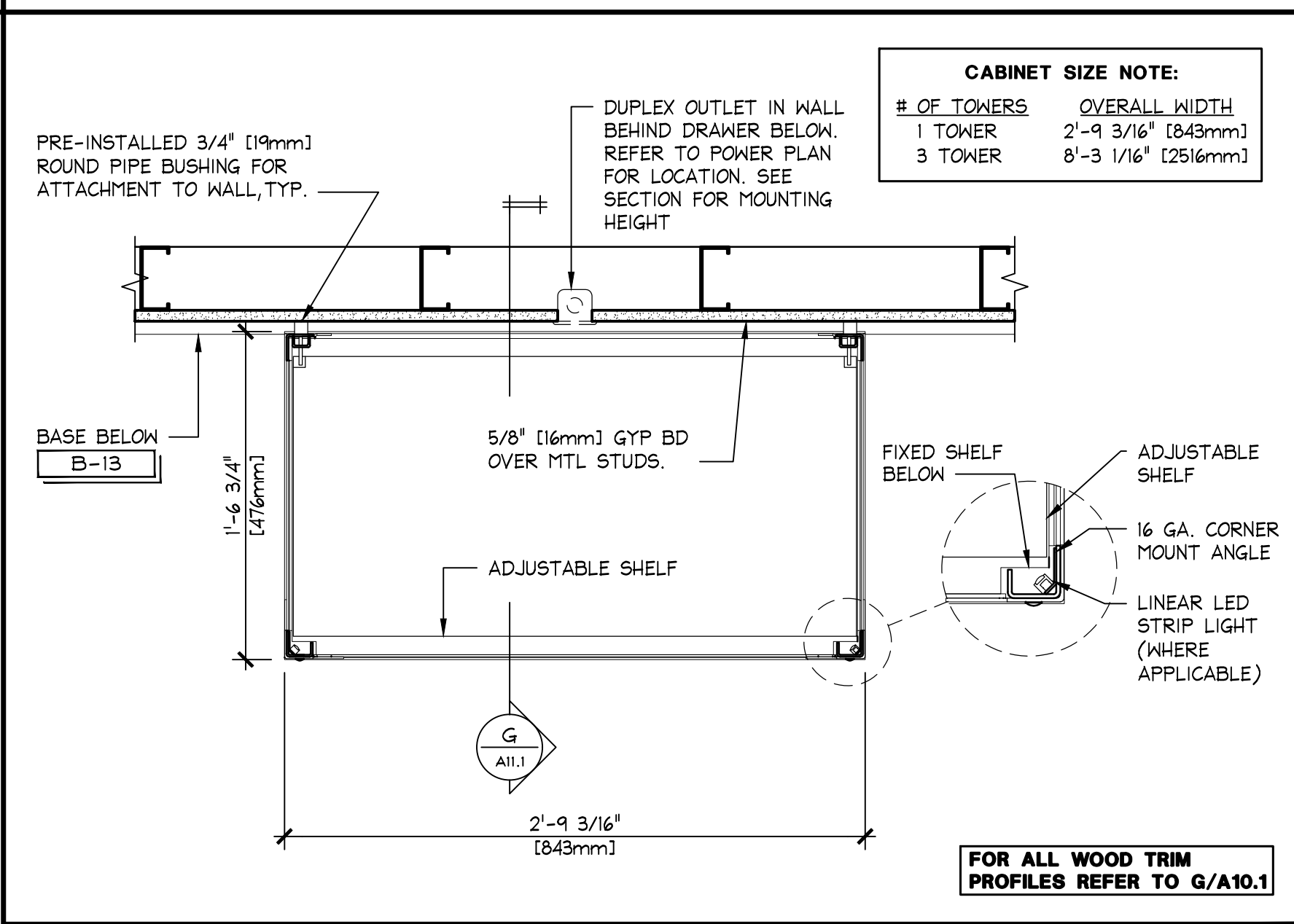
DRAWING NUMBER:
A10.1



TALL MODIFIED GABLED CABINET SECTION

1 1/2" = 1'-0"

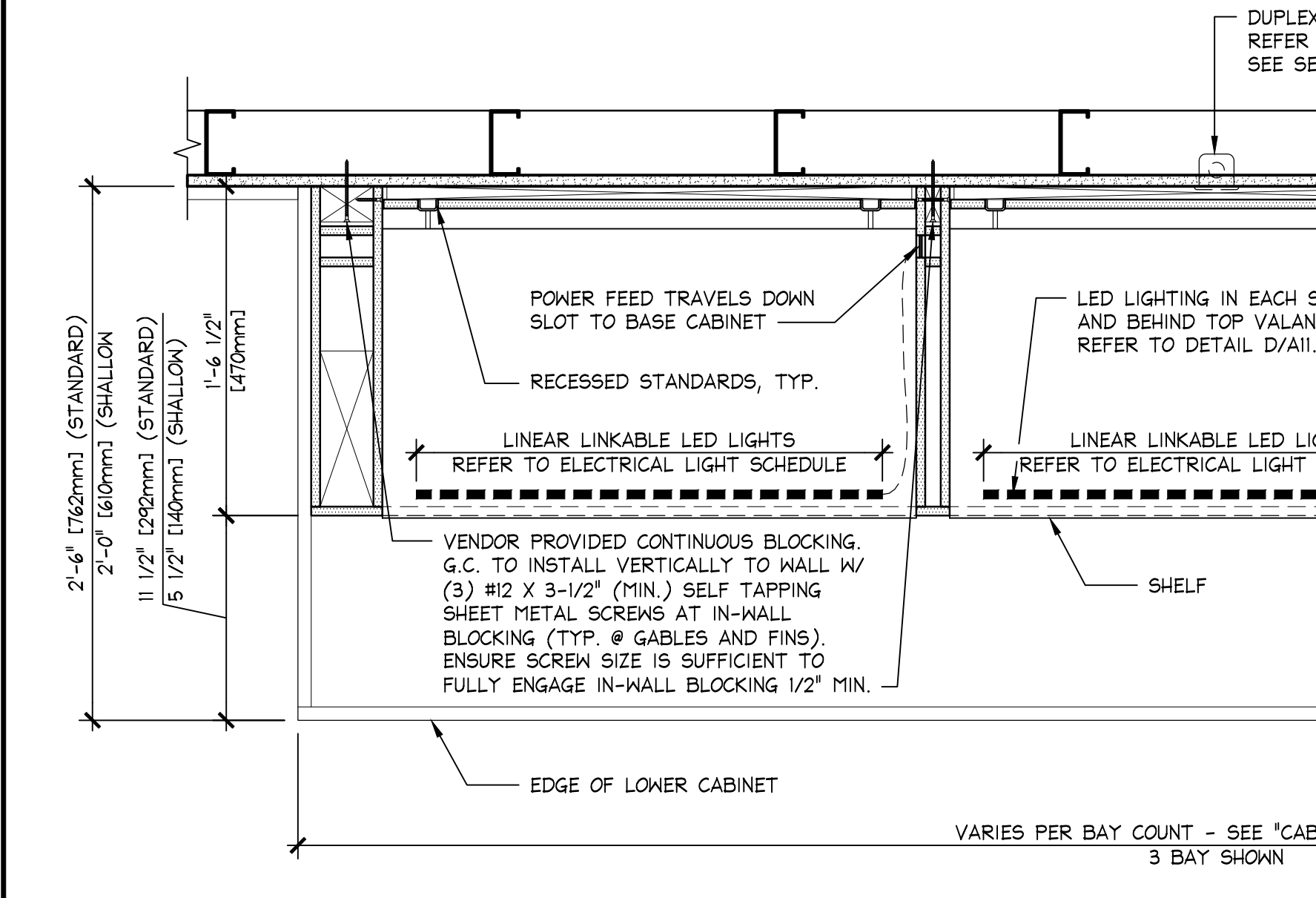
42D-A111-N01-DET1



ENLARGED PLAN @ MODIFIED METAL TOWER (WBMT#-V##)

1 1/2" = 1'-0"

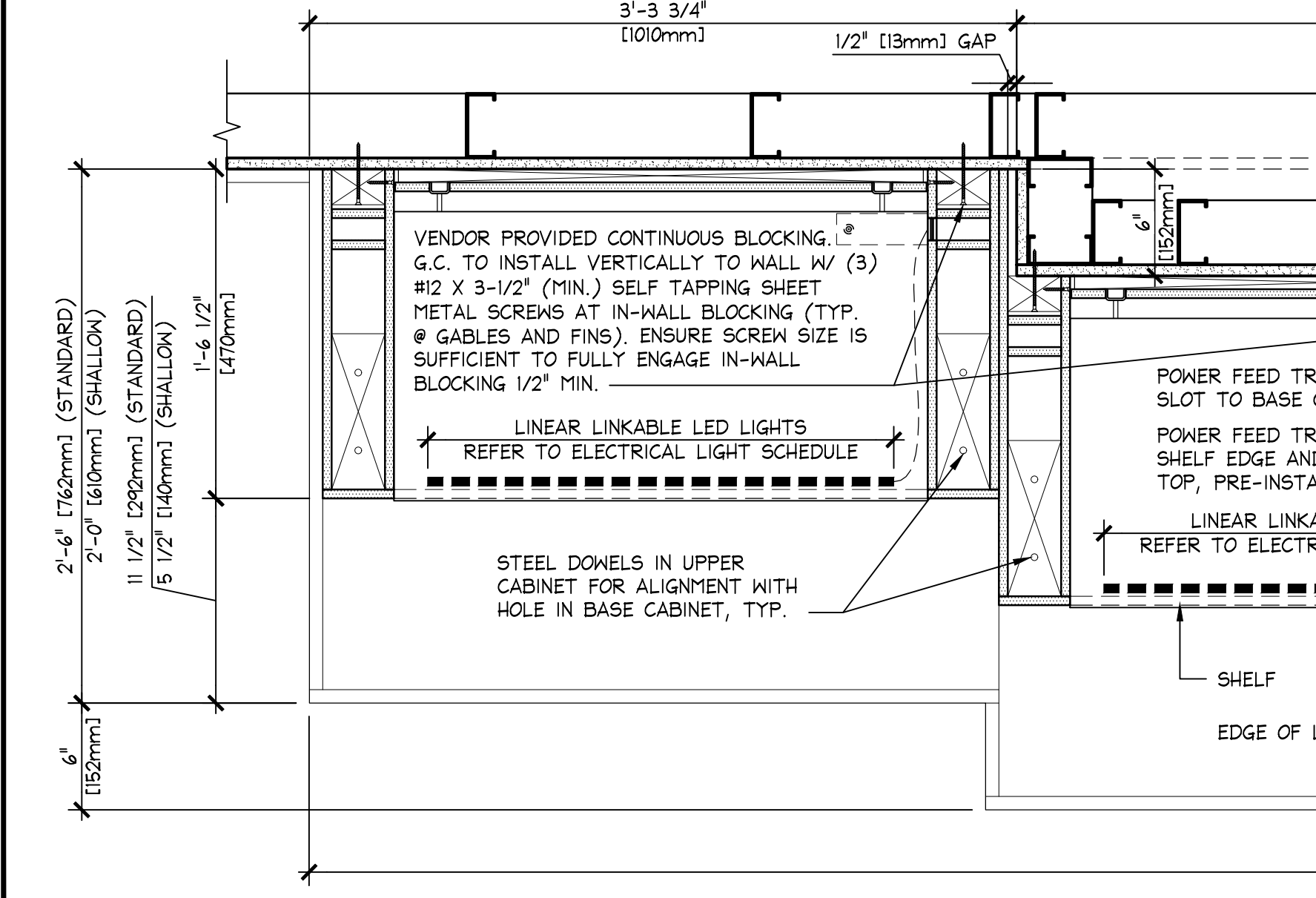
42D-A111-L00-DET1



ENLARGED PLAN @ MODIFIED GABLED CABINET (WBMGC#-V##, WBMGC#-S-V##, WBMGC#-T-V## AND WBMGC#-TS-V##)

1 1/2" = 1'-0"

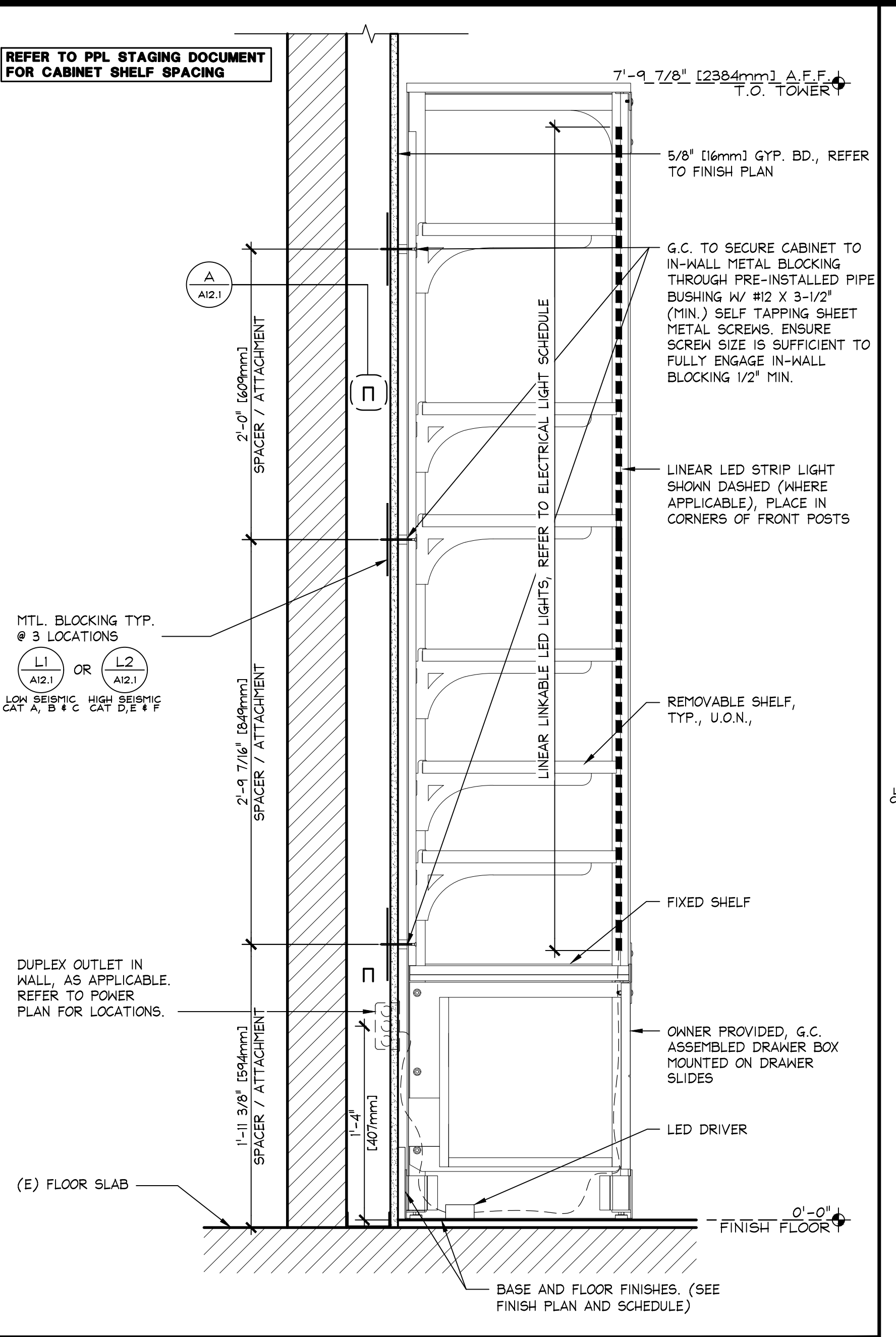
42D-A111-F00-DET1



ENLARGED PLAN @ MODIFIED 5 BAY TALL GABLED CABINET (WBMGC5-T-V## AND WBMGC5-TS-V##)

1 1/2" = 1'-0"

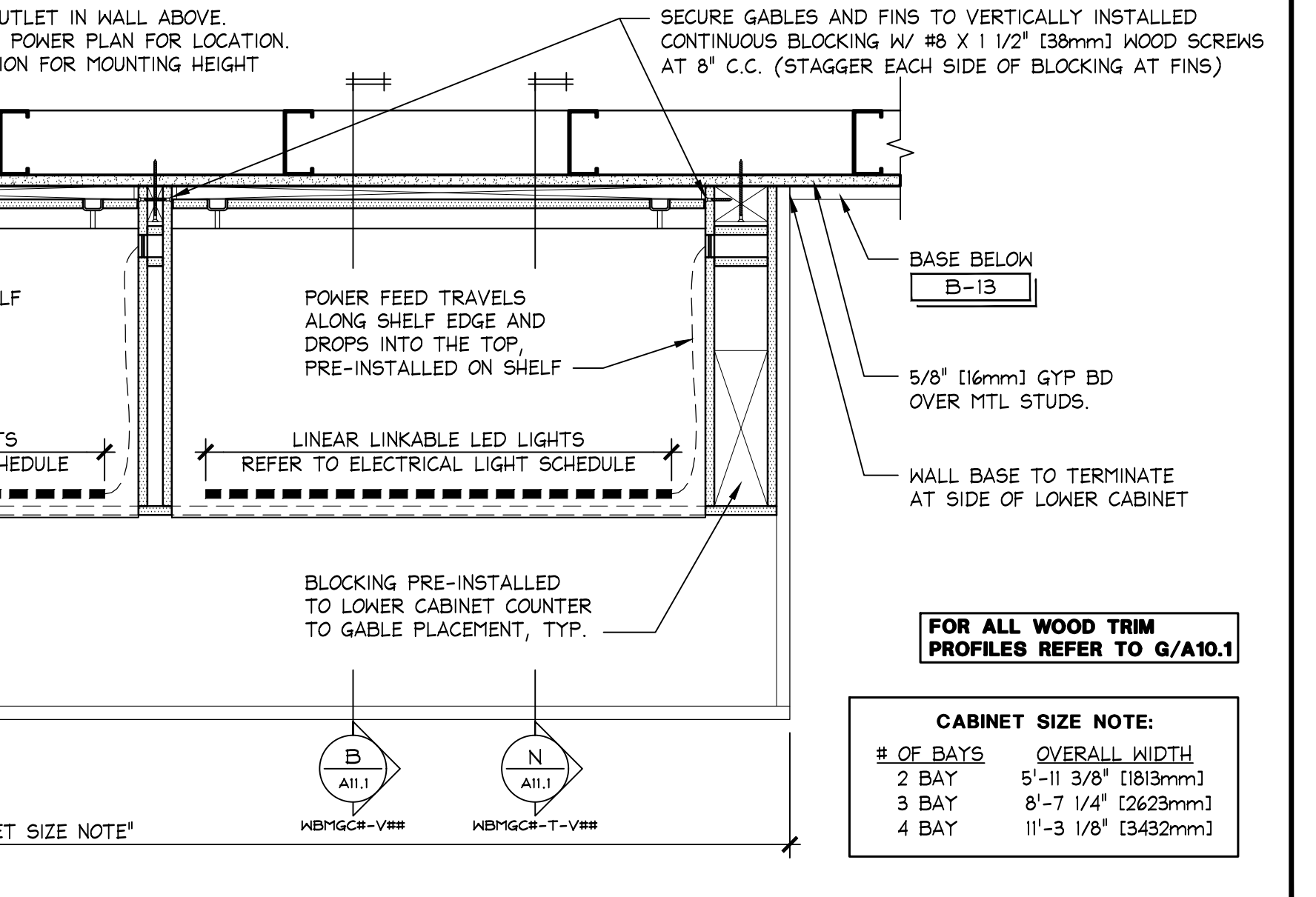
42D-A111-A00-DET1



MODIFIED METAL TOWER SECTION (WBMT#-V##)

1 1/2" = 1'-0"

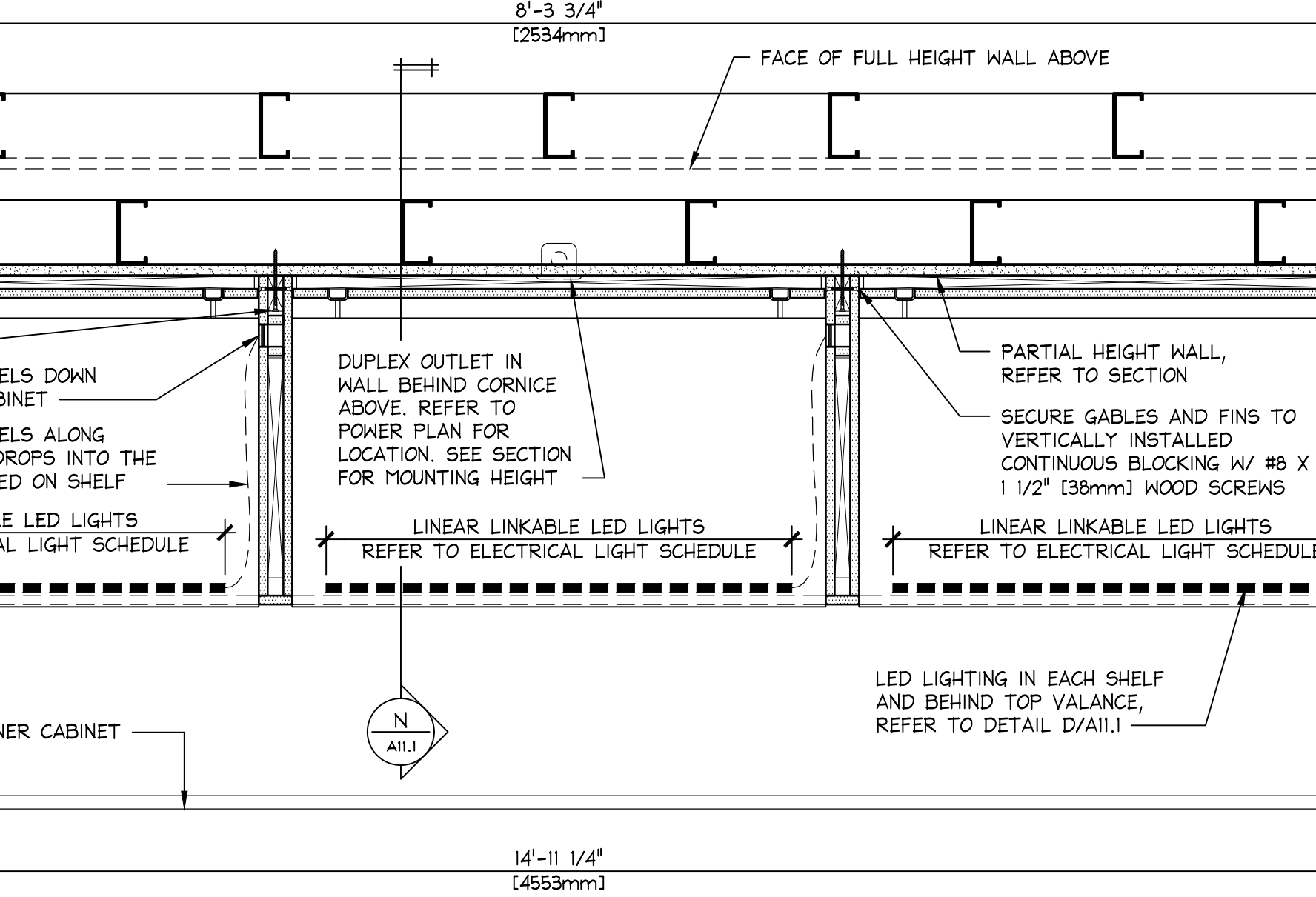
42D-A111-G01-SECT



MODIFIED GABLED CABINET SECTION (WBMGC#-V##, WBMGC#-S-V##, WBMGC#-T-V## AND WBMGC#-TS-V##)

1 1/2" = 1'-0"

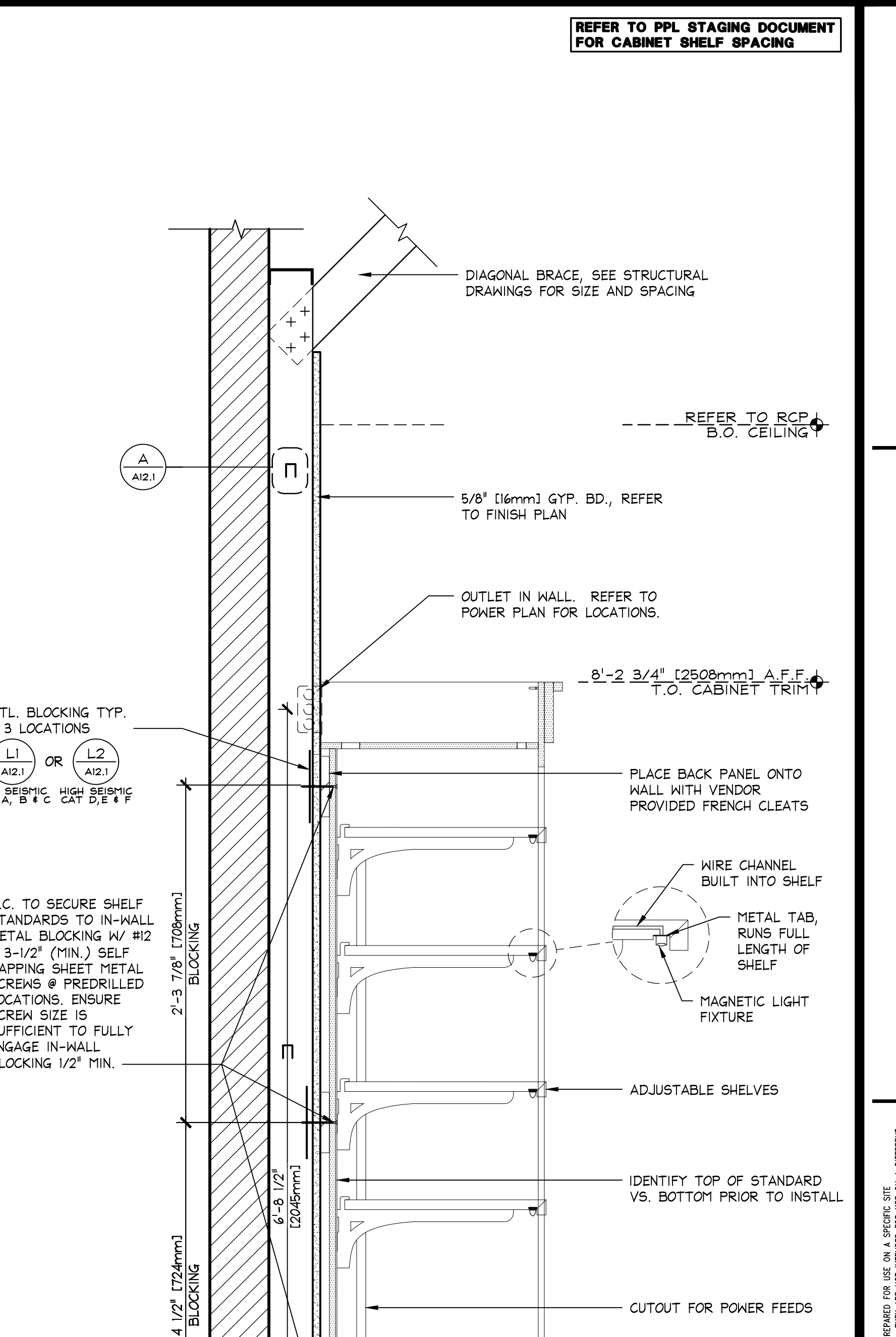
42D-A111-F00-DET1



ENLARGED PLAN @ MODIFIED 5 BAY TALL GABLED CABINET (WBMGC5-T-V## AND WBMGC5-TS-V##)

1 1/2" = 1'-0"

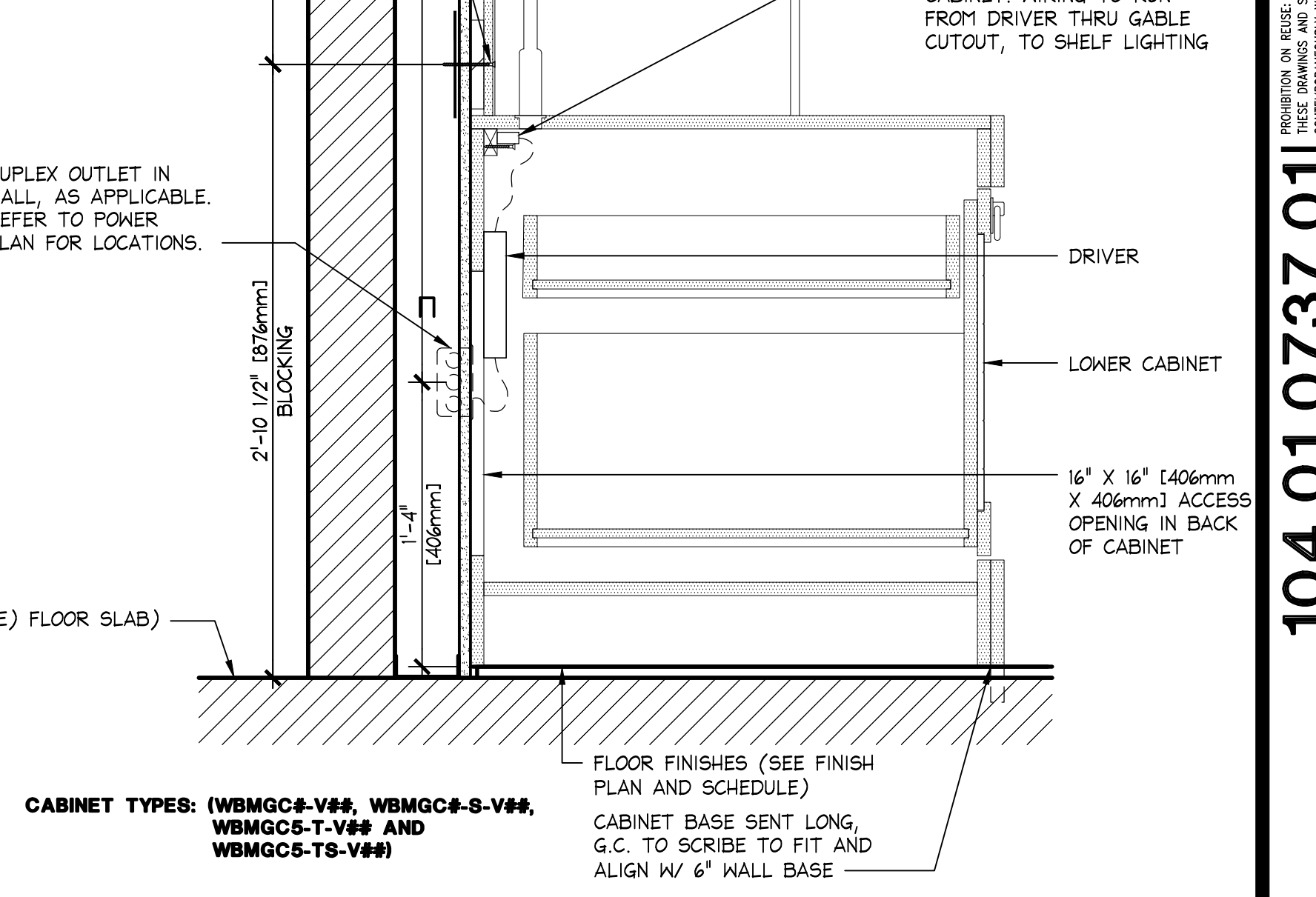
42D-A111-A00-DET1



MODIFIED GABLED CABINET SECTION (WBMGC#-V##, WBMGC#-S-V##, WBMGC#-T-V## AND WBMGC#-TS-V##)

1 1/2" = 1'-0"

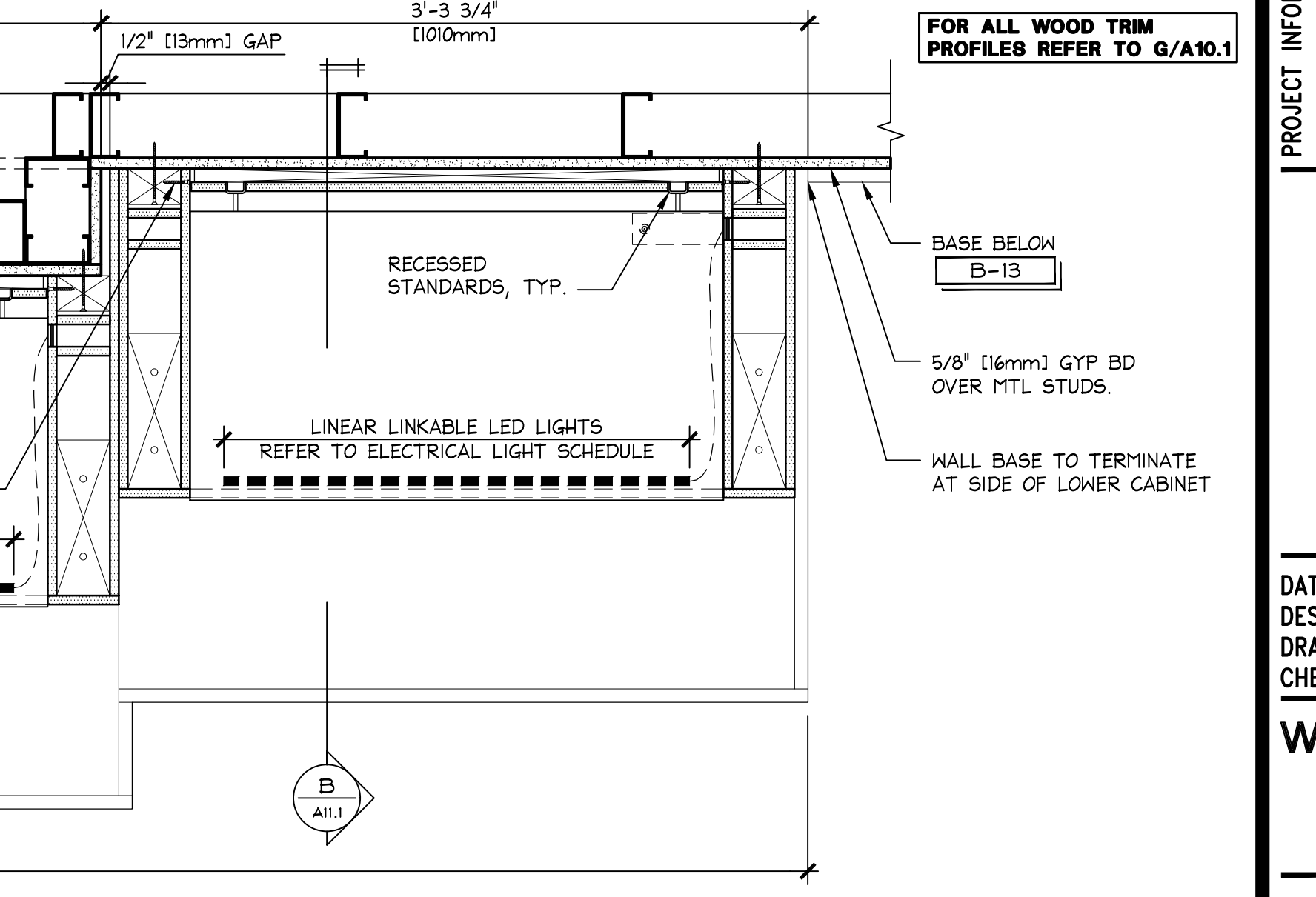
42D-A111-B00-DET1



ENLARGED PLAN @ MODIFIED 5 BAY TALL GABLED CABINET (WBMGC5-T-V## AND WBMGC5-TS-V##)

1 1/2" = 1'-0"

42D-A111-A00-DET1



TALL MODIFIED GABLED CABINET SECTION

1 1/2" = 1'-0"

42D-A111-N01-DET1

GF

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REGISTERED ARCHITECT
11/14/2022
BOULDER COUNTY
STATE OF WASHINGTON

Bath & Body Works

Three Limited Parkway • Columbus, Ohio 43230
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104.01.0737.01

BATH & BODY WORKS

SOUTH HILL MALL
3500 S. MERIDIAN STREET
FOTALLUP, WA 98973

REVISIONS:

DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

WBC PERIMETER CABINETRY DETAILS

DRAWING NUMBER: **A11.1**

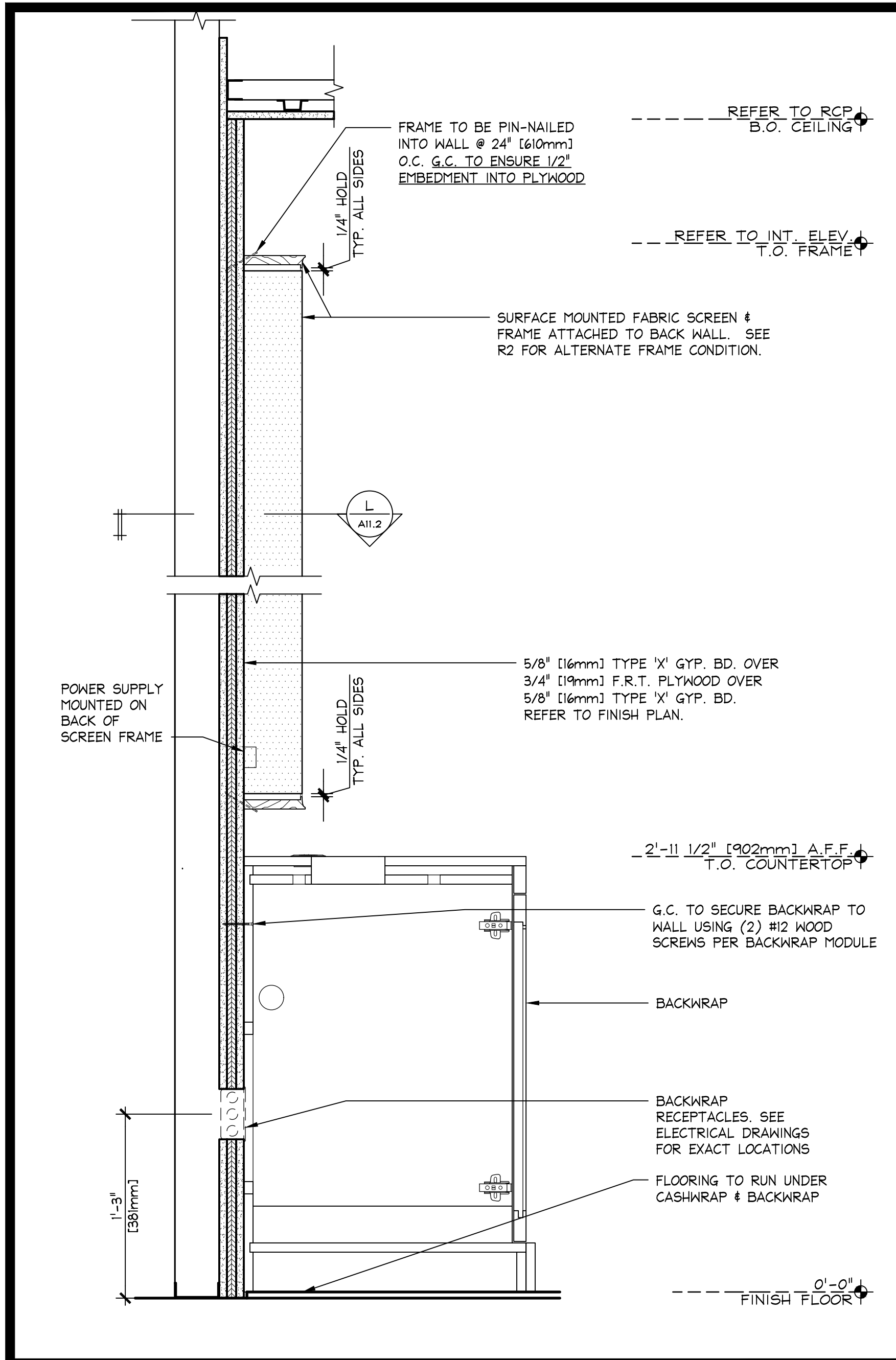
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REQUIRED BY: _____ DATE: _____

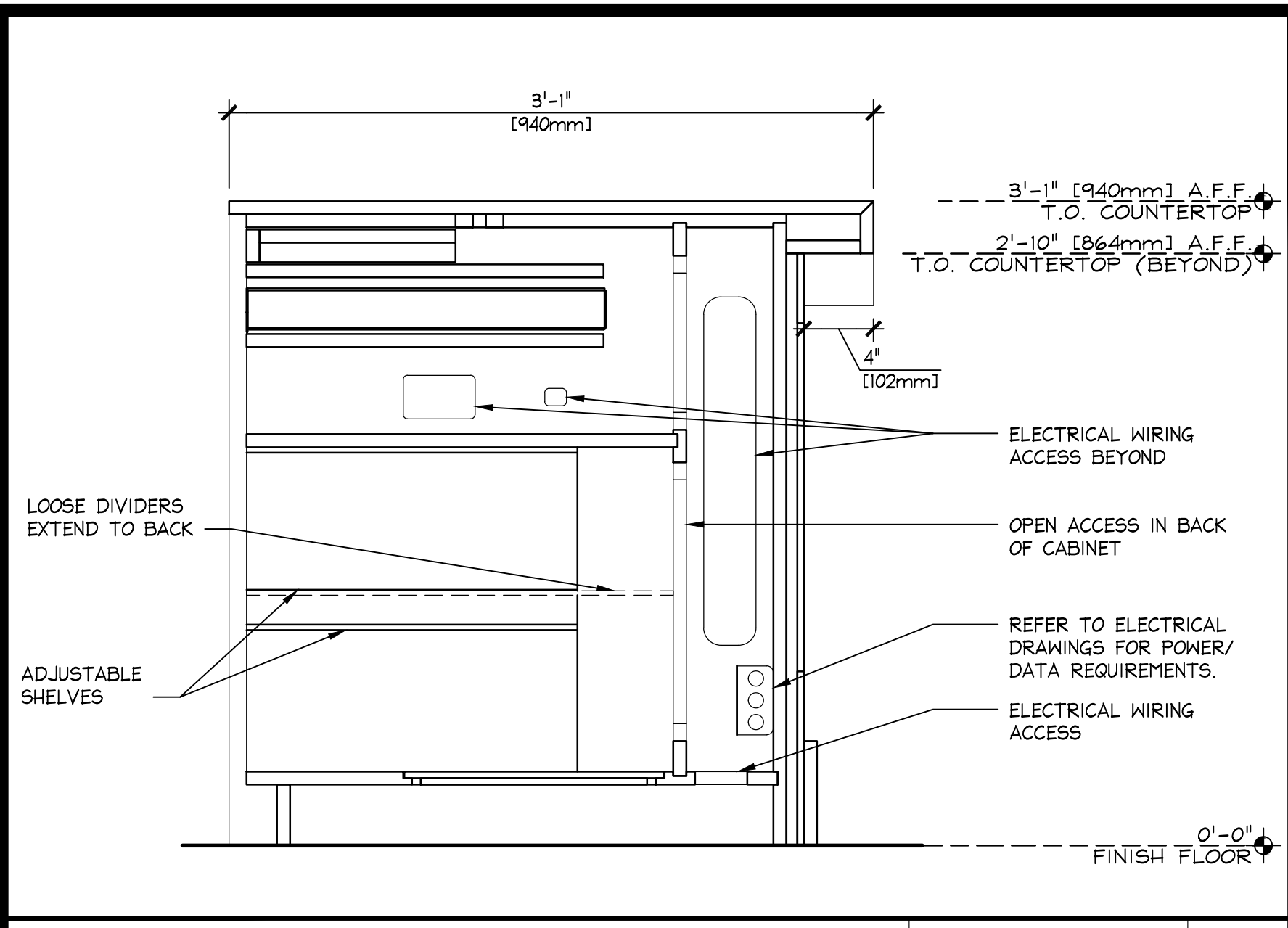
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BBW PROJECT #: _____

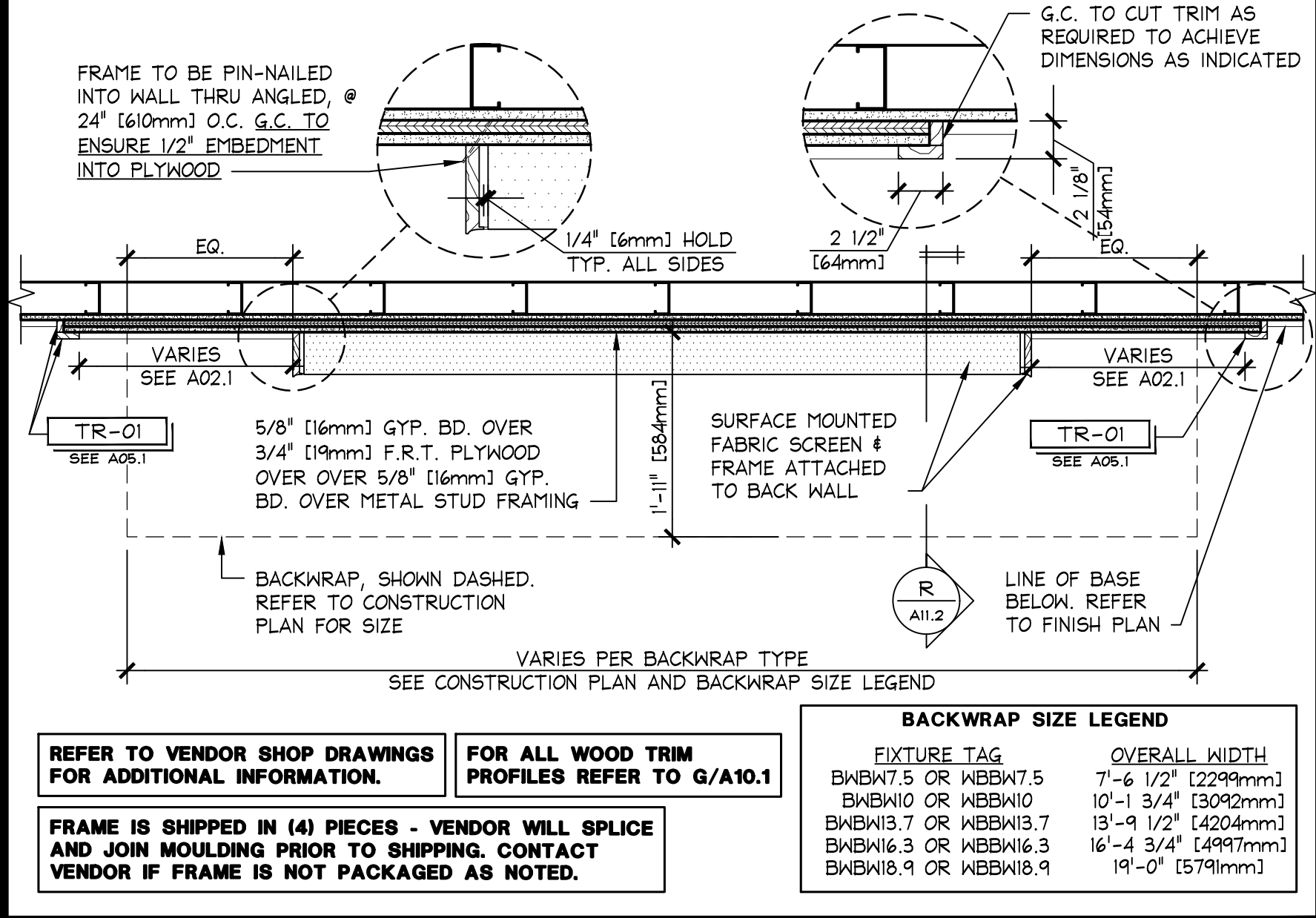
PACKAGE: SIS PKG 2
GENERATION: 23150.00
A/E PROJECT #: 20221012.0



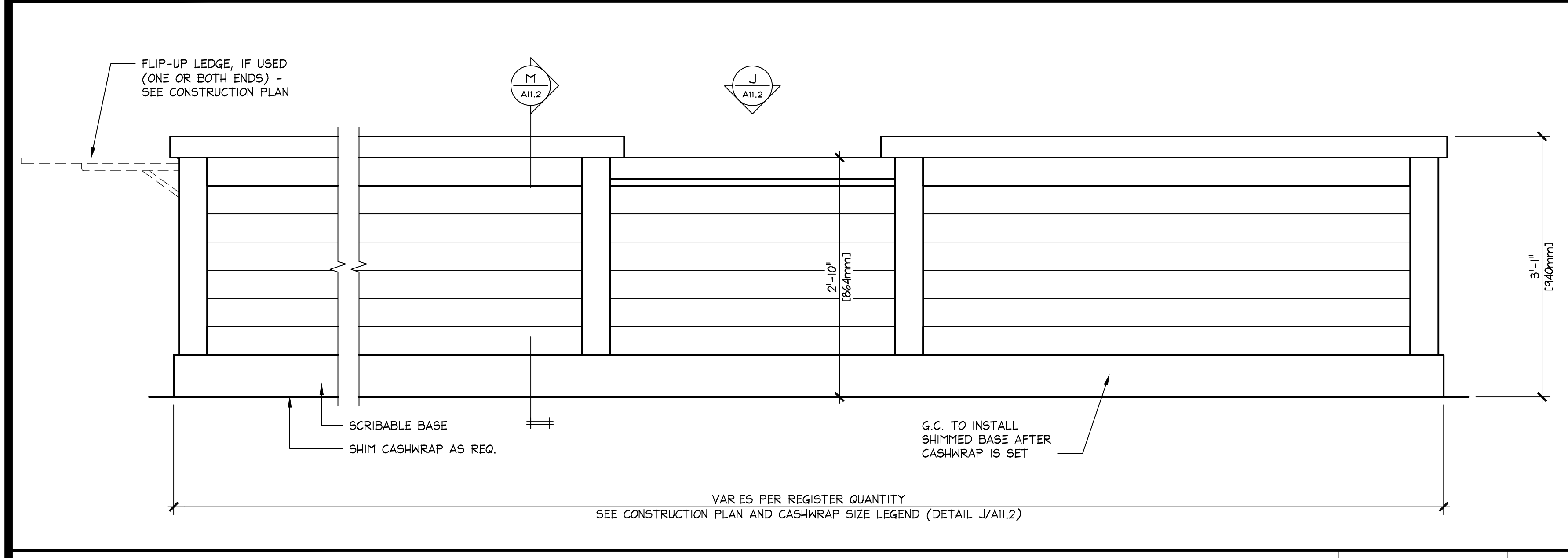
SECTION @ FABRIC SCREEN
 1 1/2" = 1'-0"
 428-A112-R00-SECT
 R 09.18.21



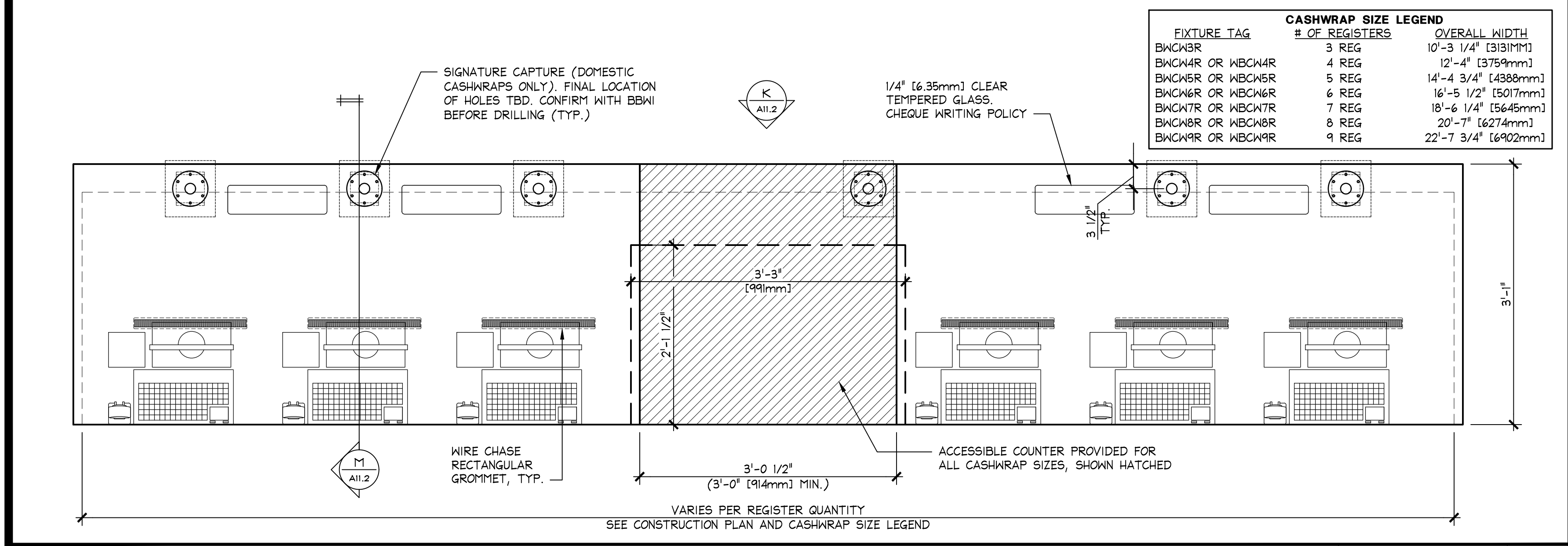
SECTION @ CASHWRAP
 1 1/2" = 1'-0"
 420-A112-M00-DETL
 M 09.17.21



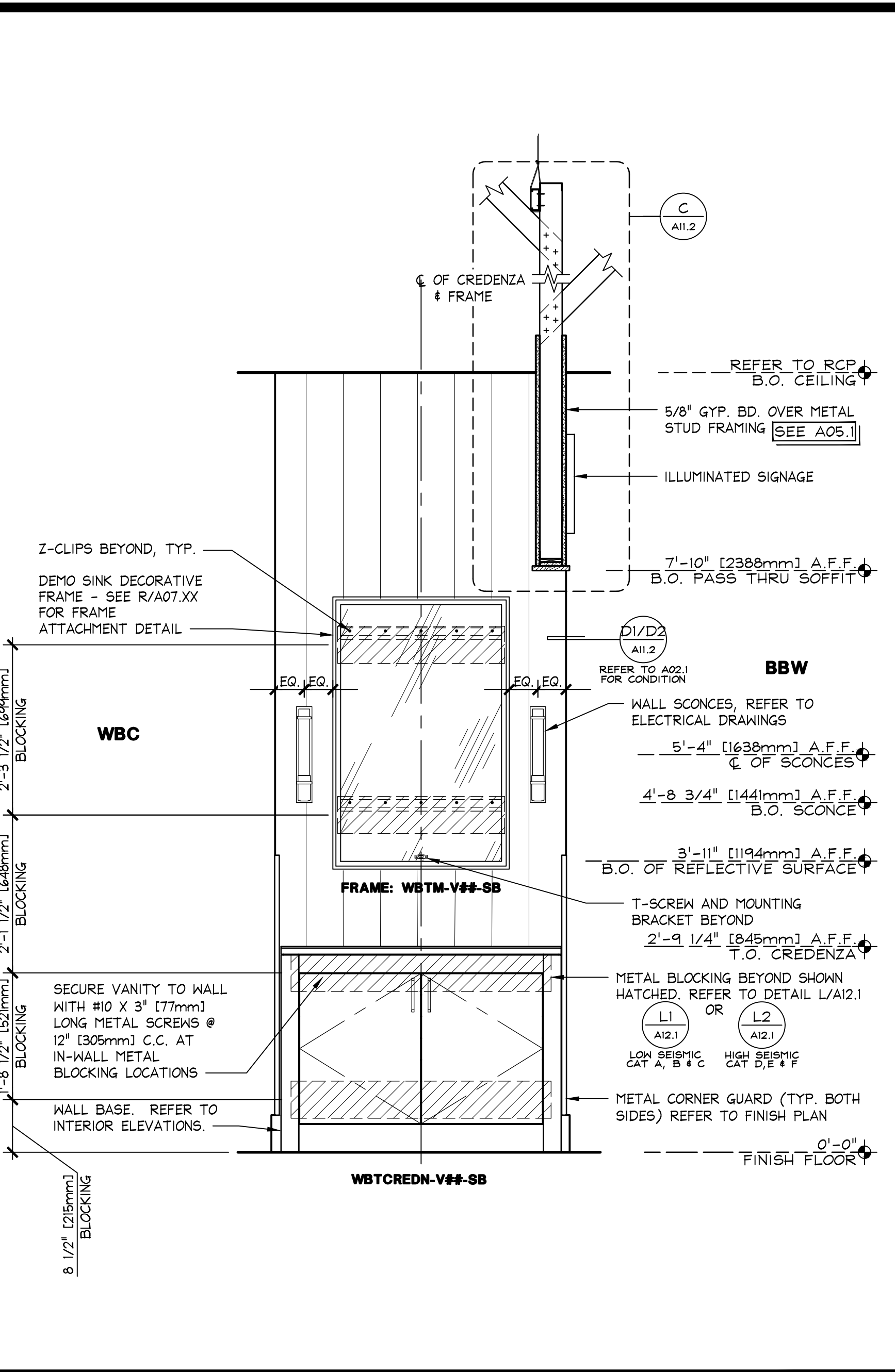
ENLARGED PLAN @ BACKWRAP FABRIC SCREEN DISPLAY
 3/4" = 1'-0"
 420-A112-L00-DETL
 L 08.16.22



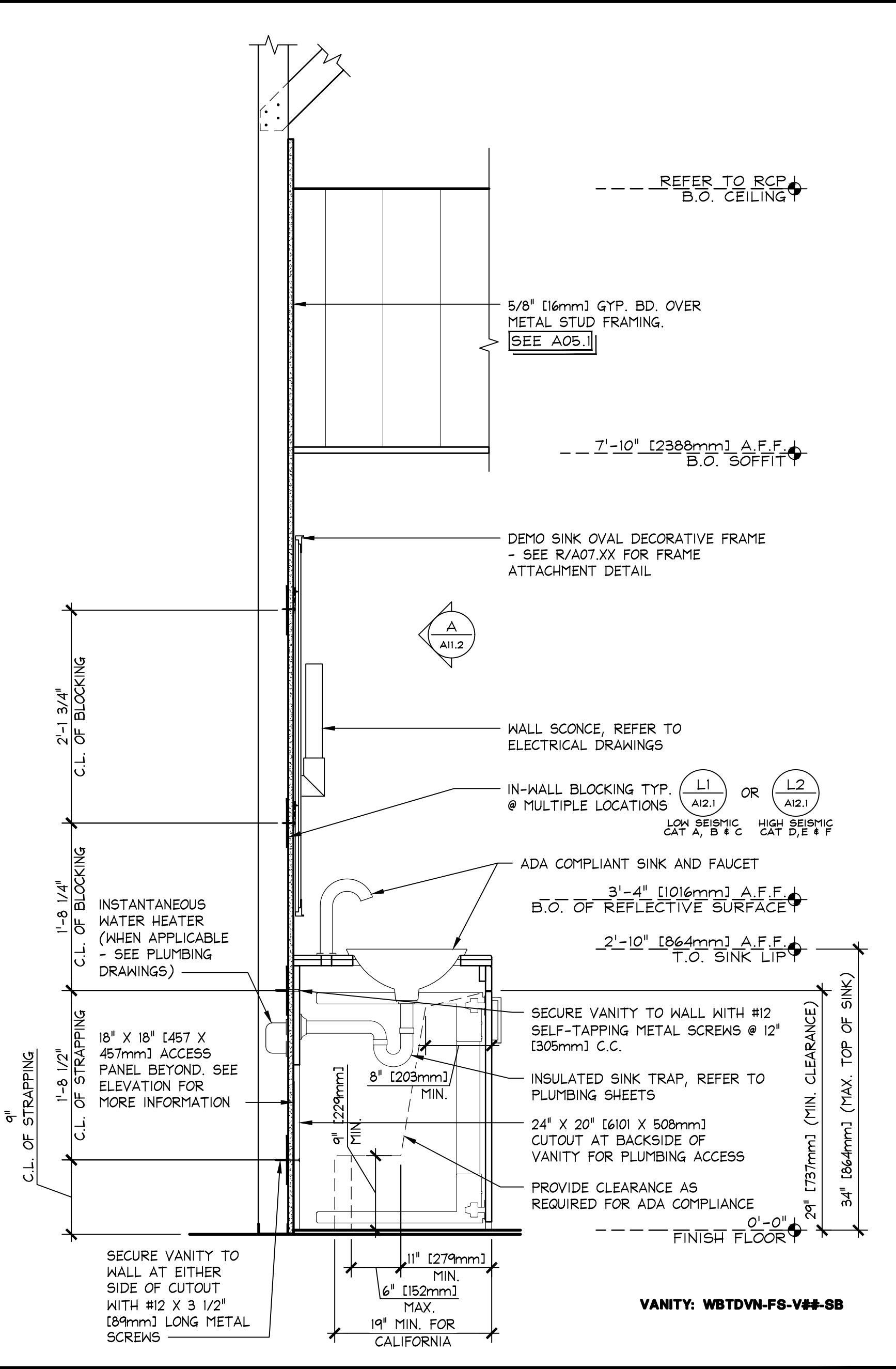
FRONT ELEVATION @ 3-9 REGISTER CASHWRAP (BWCW#R-V##-BL AND BWCW#R-V##-SB)
 1" = 1'-0"
 42E-A112-K00-ELEV
 K 09.17.21



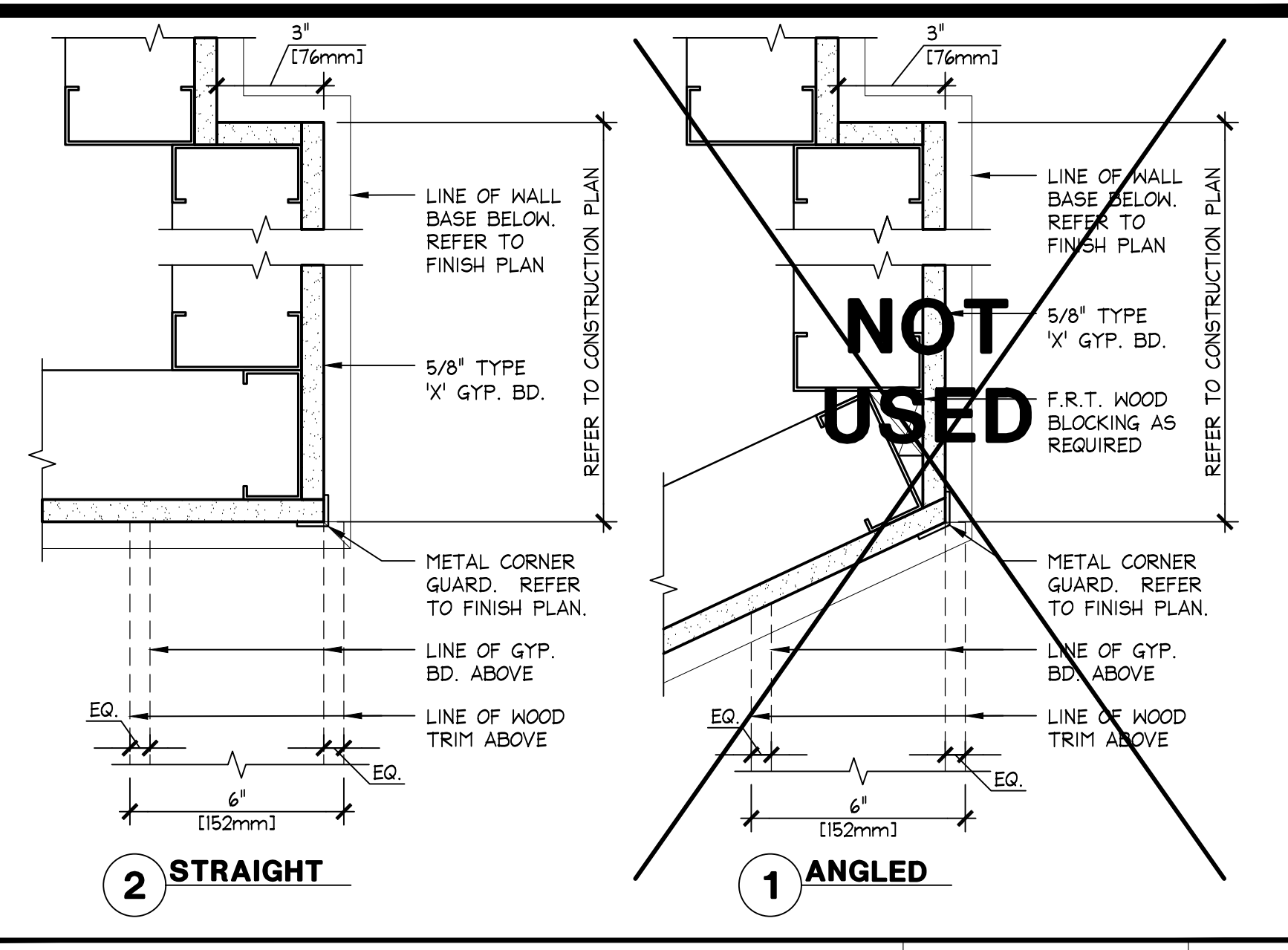
PLAN @ 3-9 REGISTER CASHWRAP (BWCW#R-V##-BL AND BWCW#R-V##-SB)
 1" = 1'-0"
 42P-A112-J00-PLAN
 J 08.18.22



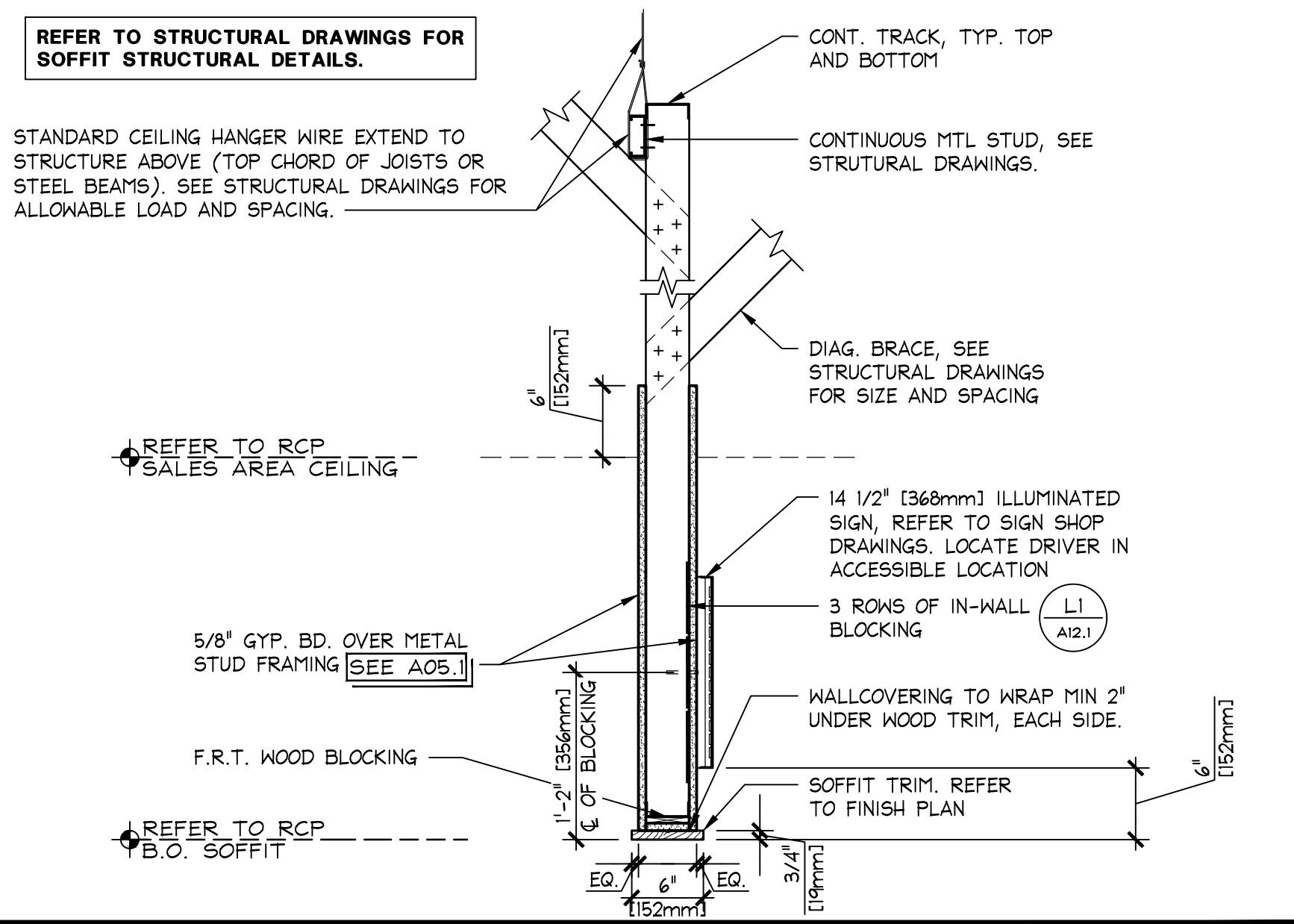
ELEVATION @ WB CRENZEA (P2)
 3/4" = 1'-0"
 420-A112-G02-DETL
 G 09.04.22



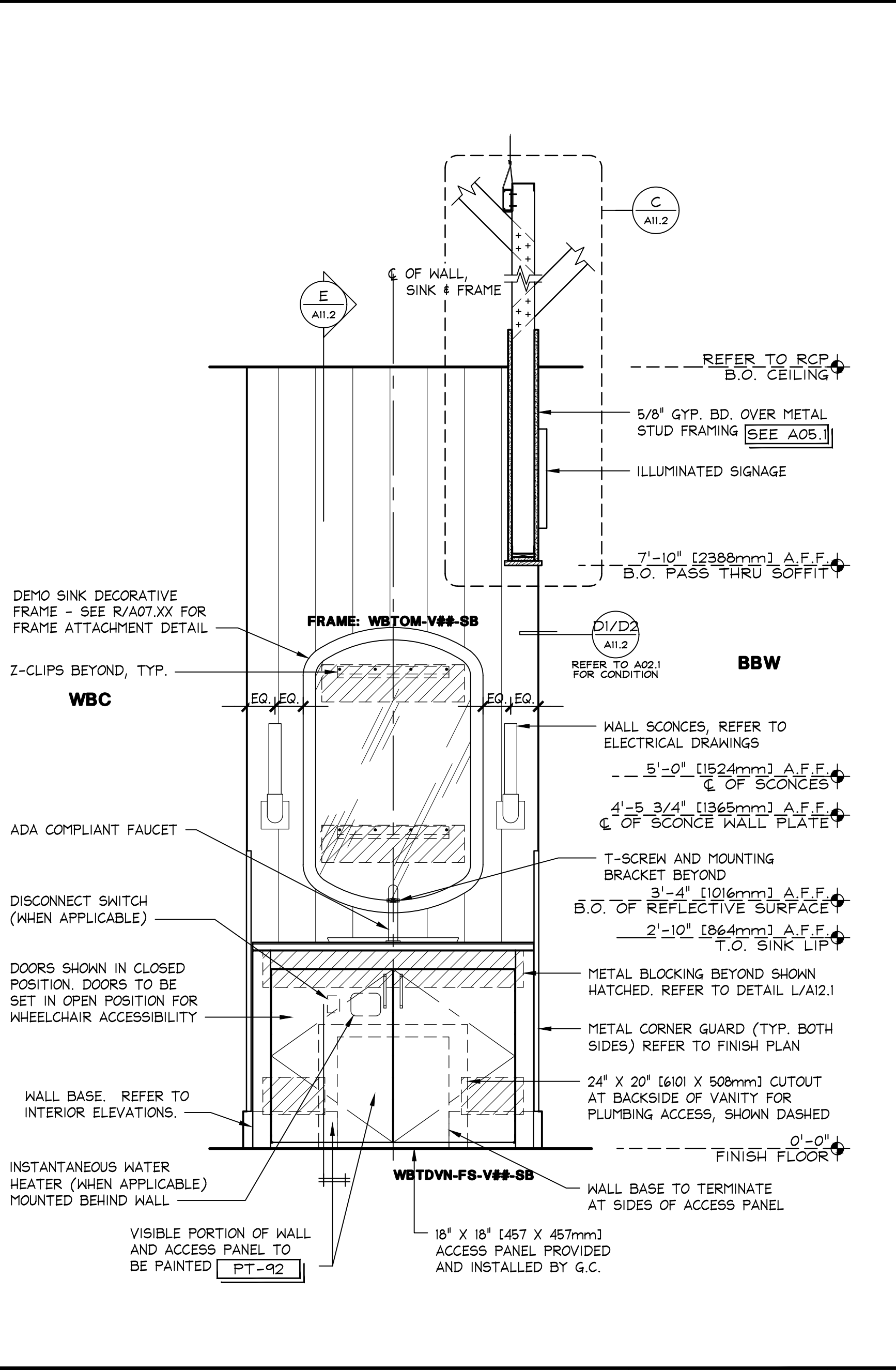
SECTION @ WB FREESTANDING DEMO SINK (P2)
 1" = 1'-0"
 428-A112-E02-SECT
 E 09.09.22



PLAN DETAIL AT WB TRANSITION (P2/P3)
 3" = 1'-0"
 420-A112-D00-DETL
 D 09.24.21



DETAIL AT TRANSITION SOFFIT (P2)
 1" = 1'-0"
 420-A112-C02-DETL
 C 09.24.21



ELEVATION @ WB FREESTANDING DEMO SINK (P2)
 3/4" = 1'-0"
 420-A112-A02-DETL
 A 09.09.22



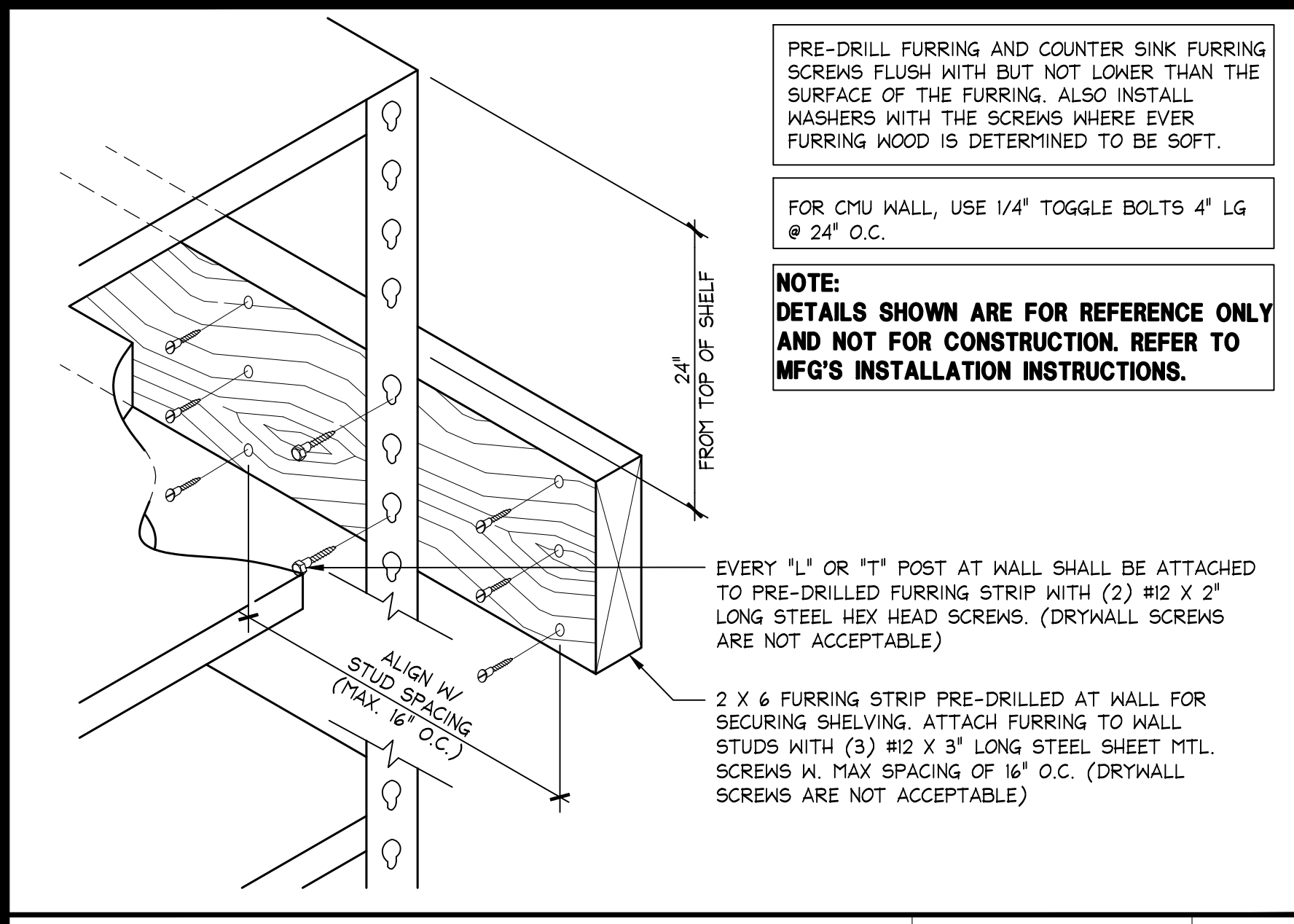
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104.01.0737.01
 BATH & BODY WORKS
 SOUTH HILL MALL
 SPACE NO. 235
 5500 S. MERIDIAN STREET
 FORT LUDLOW, WA 98373

PROJECT INFORMATION:
 104.01.0737.01
 BATH & BODY WORKS
 SOUTH HILL MALL
 SPACE NO. 235
 5500 S. MERIDIAN STREET
 FORT LUDLOW, WA 98373

DATE ISSUED: 11/04/2022
 DESIGNED BY: TN
 DRAWN BY: DH
 CHECKED BY: PV

WB TRANSITION, CW & BW DETAILS
 DRAWING NUMBER:
A11.2



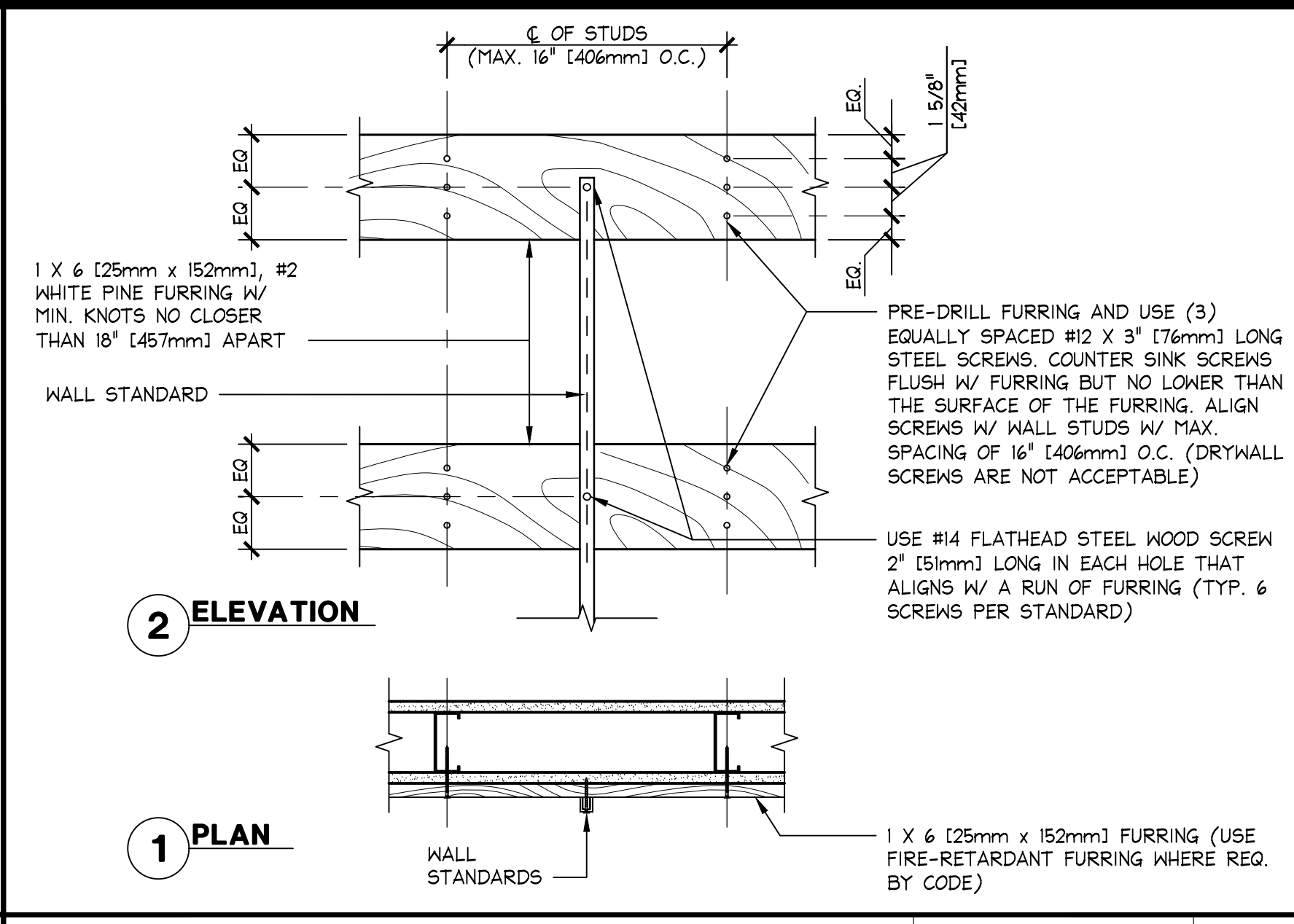
PRE-DRILL FURRING AND COUNTER SINK FURRING SCREWS FLUSH WITH BUT NOT LOWER THAN THE SURFACE OF THE FURRING. ALSO INSTALL WASHERS WITH THE SCREWS WHERE EVER FURRING WOOD IS DETERMINED TO BE SOFT.

FOR CMU WALL, USE 1/4" TOGGLE BOLTS 4" LG @ 24" O.C.

NOTE: DETAILS SHOWN ARE FOR REFERENCE ONLY AND NOT FOR CONSTRUCTION. REFER TO MFG'S INSTALLATION INSTRUCTIONS.

EVERY "L" OR "T" POST AT WALL SHALL BE ATTACHED TO PRE-DRILLED FURRING STRIP WITH (2) #12 X 2" LONG STEEL HEX HEAD SCREWS. (DRYWALL SCREWS ARE NOT ACCEPTABLE)

2 X 6 FURRING STRIP PRE-DRILLED AT WALL FOR SECURING SHELVING. ATTACH FURRING TO WALL STUDS WITH (3) #12 X 3" LONG STEEL SHEET MTL. SCREWS W/ MAX SPACING OF 16" O.C. (DRYWALL SCREWS ARE NOT ACCEPTABLE)



1 X 6 [25mm x 152mm], #2 WHITE PINE FURRING W/ MIN. KNOTS NO CLOSER THAN 18" [457mm] APART

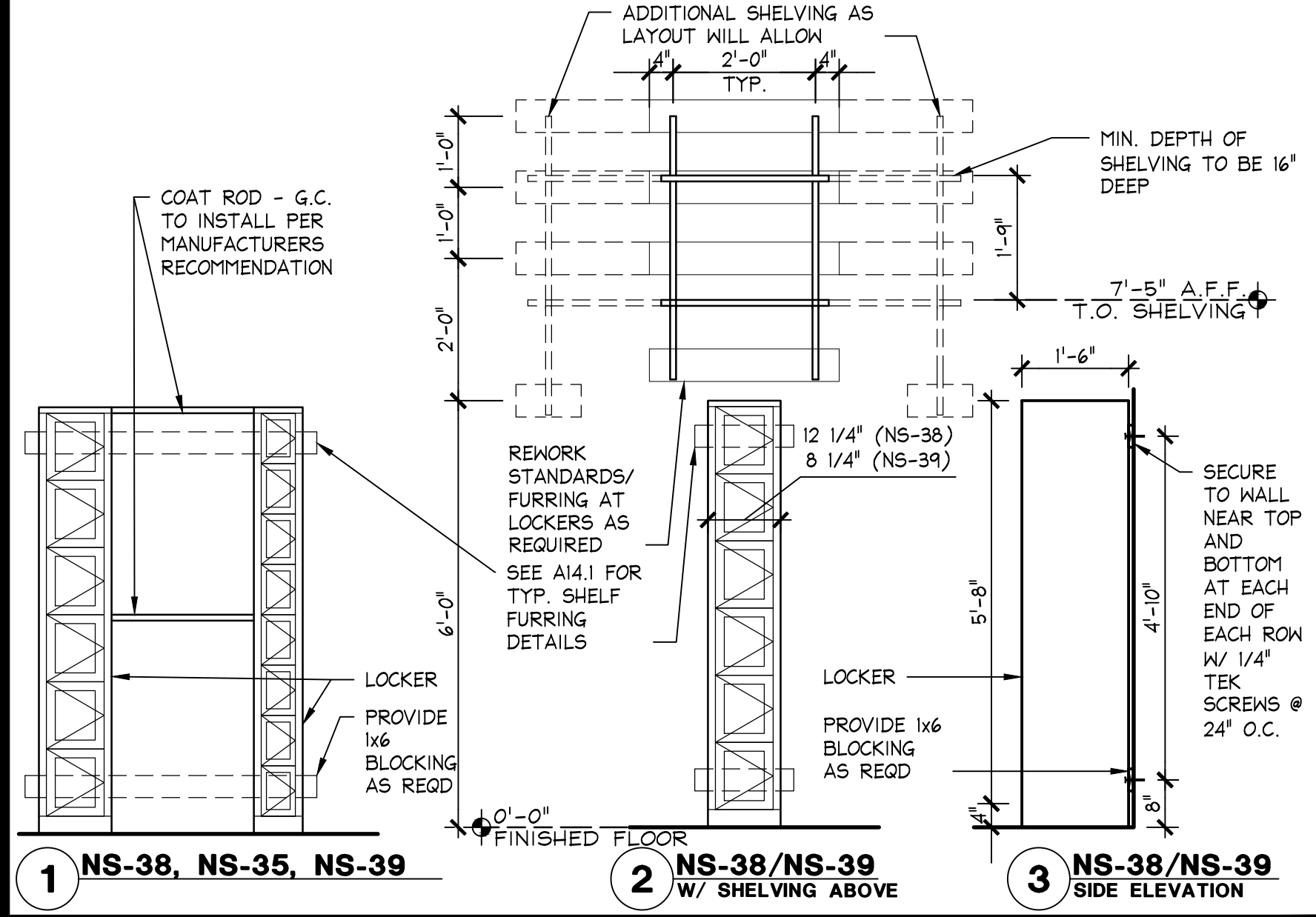
PRE-DRILL FURRING AND USE (3) EQUALLY SPACED #12 X 3" [76mm] LONG STEEL SCREWS. COUNTER SINK SCREWS FLUSH W/ FURRING BUT NO LOWER THAN THE SURFACE OF THE FURRING. ALIGN SCREWS W/ WALL STUDS W/ MAX. SPACING OF 16" [406mm] O.C. (DRYWALL SCREWS ARE NOT ACCEPTABLE)

USE #14 FLATHEAD STEEL WOOD SCREW 2" [51mm] LONG IN EACH HOLE THAT ALIGNS W/ A RUN OF FURRING (TYP. 6 SCREWS PER STANDARD)

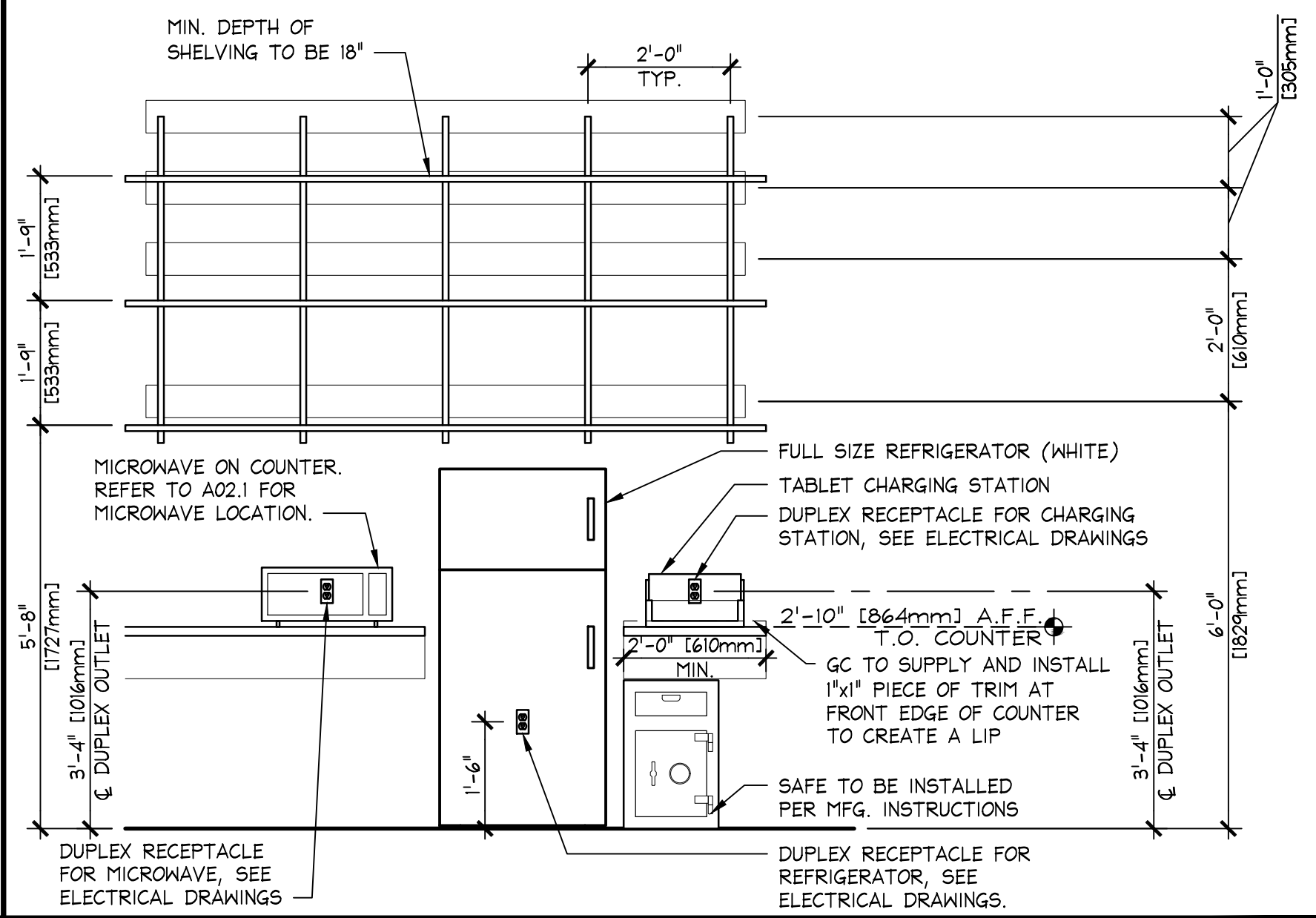
1 X 6 [25mm x 152mm] FURRING (USE FIRE-RETARDANT FURRING WHERE REG. BY CODE)

RIVET RACK - FURRING ATTACHMENT 3" = 1'-0" S 42D-A141-800-DETL 09.01.10

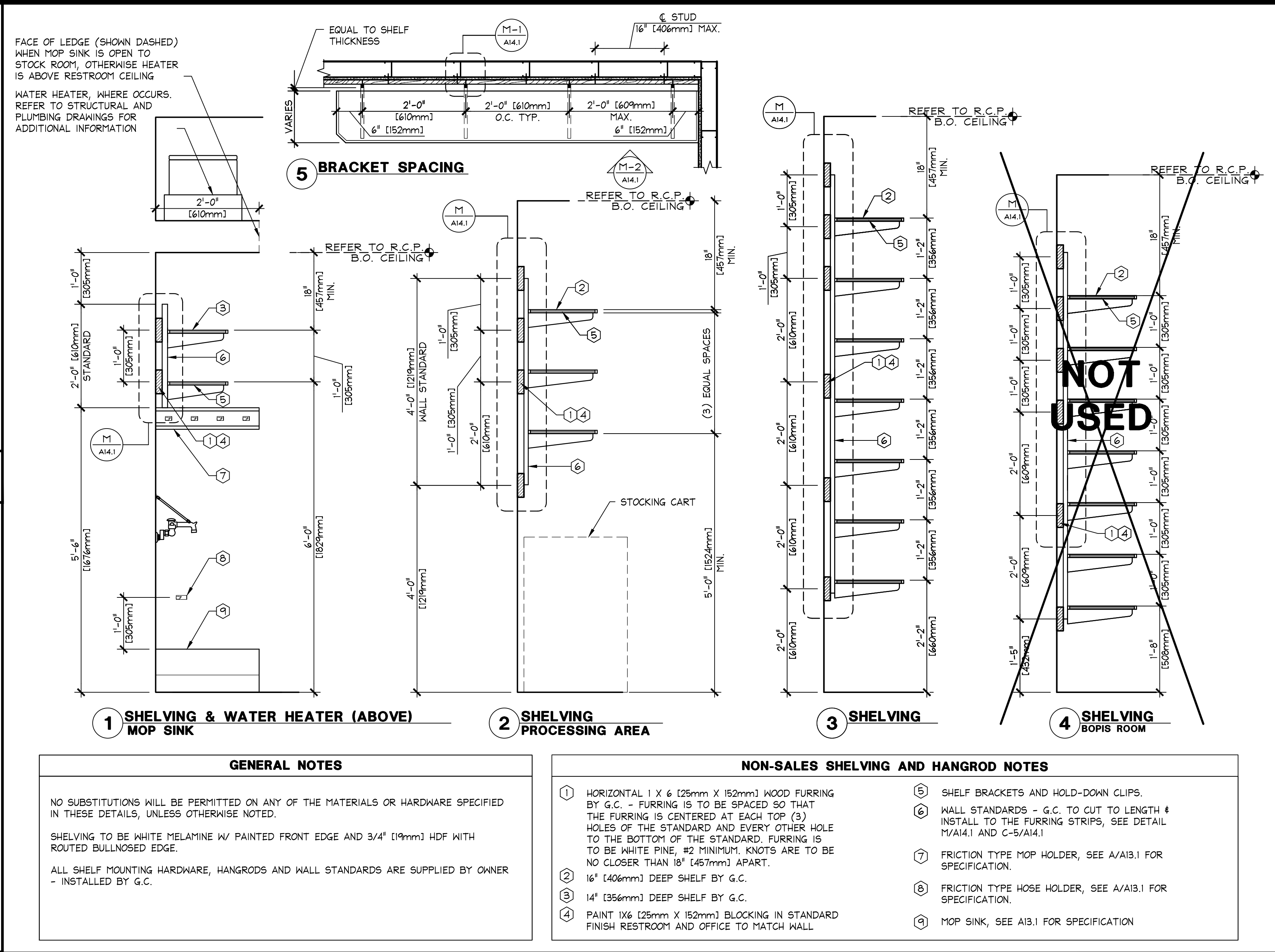
WALL FURRING DETAIL 1 1/2" = 1'-0" M 42D-A141-M00-DETL 09.01.10



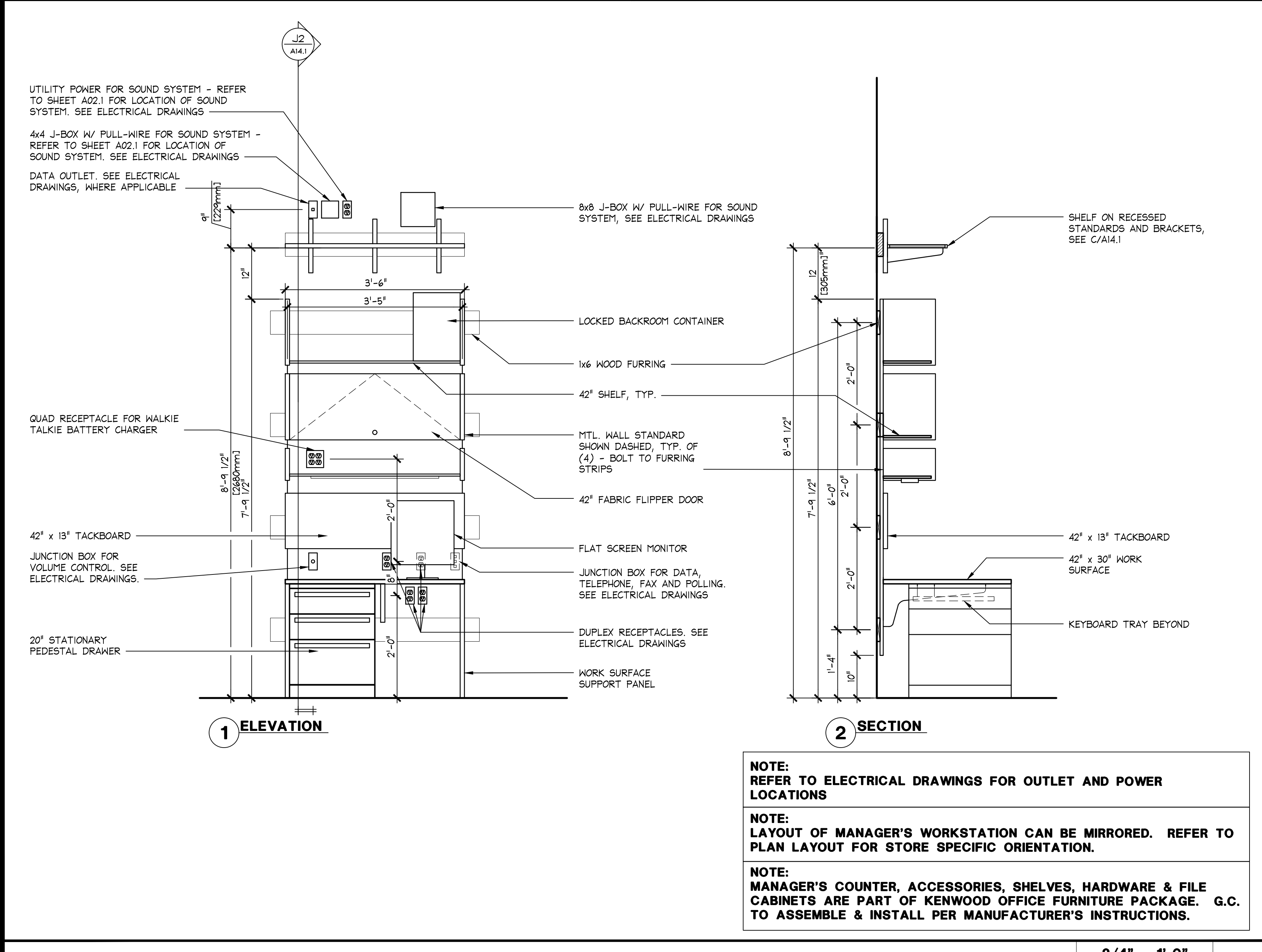
LOCKER DETAILS - NS-35/NS-38/NS-39 1/2" = 1'-0" R 42D-A141-R00-DETL 08.16.22



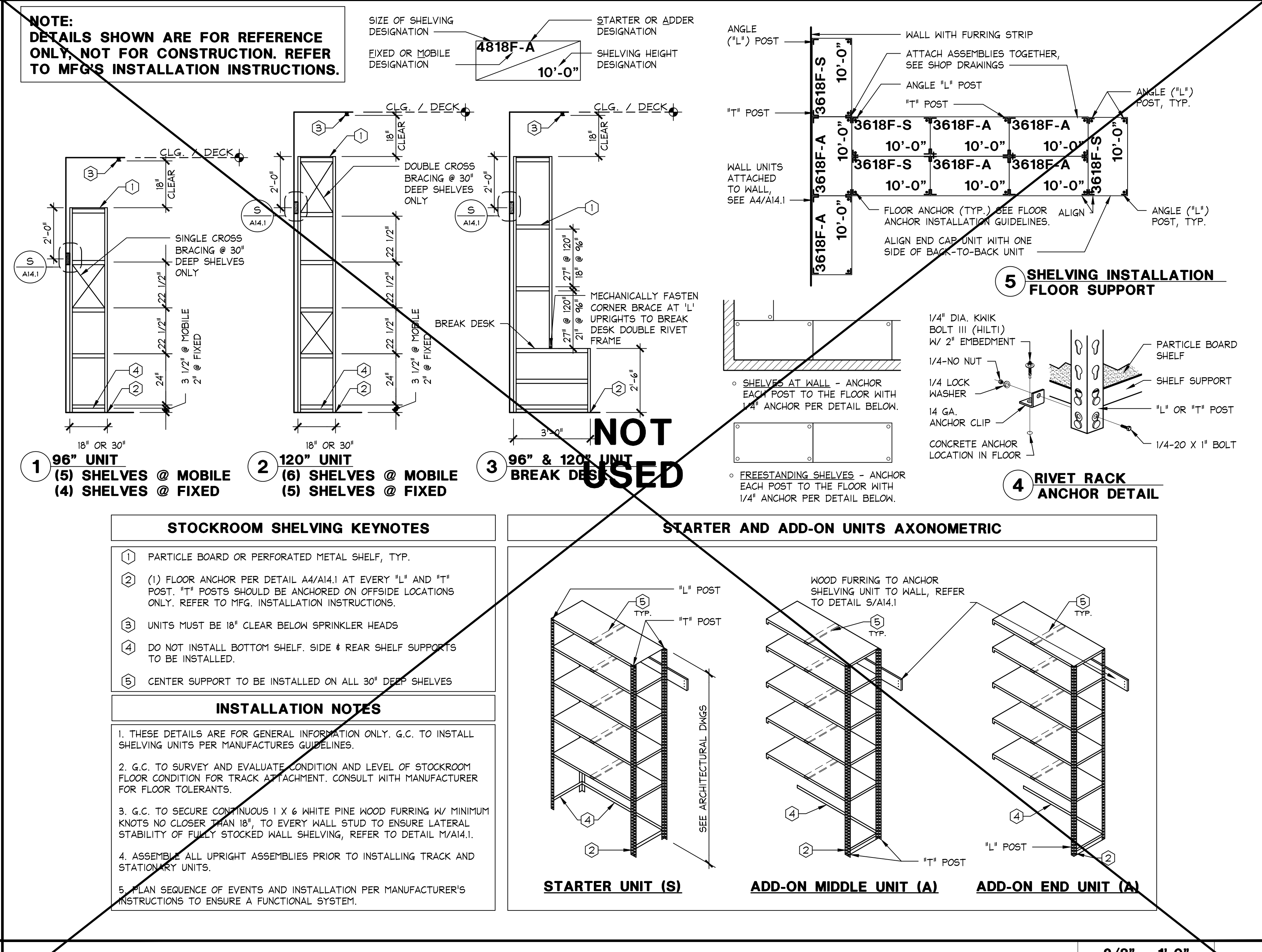
BREAK COUNTER, CHARGING STATION, MICROWAVE/REFRIGERATOR DETAIL 1/2" = 1'-0" L 42D-A141-L00-DETL 05.07.21



STANDARDS AND BRACKET DETAILS 3/4" = 1'-0" C 42D-A141-C00-DETL 08.19.22



MANAGERS WORKSTATION DETAILS - NS-53 (WITHOUT AV CABINET AND WITH MUSIC ABOVE) 3/4" = 1'-0" J 42D-A141-J00-DETL 09.30.22

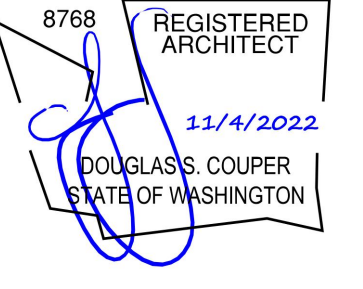


FIXED SHELVING UNIT DETAILS 3/8" = 1'-0" A 42D-A141-A00-DETL 12.11.22

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SSIS PKG 2
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 20221012.0

PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
 SPACE NO. 235
 3500 S. MERIDIAN STREET
 FOTALLUP, WA 98373

REVISIONS:

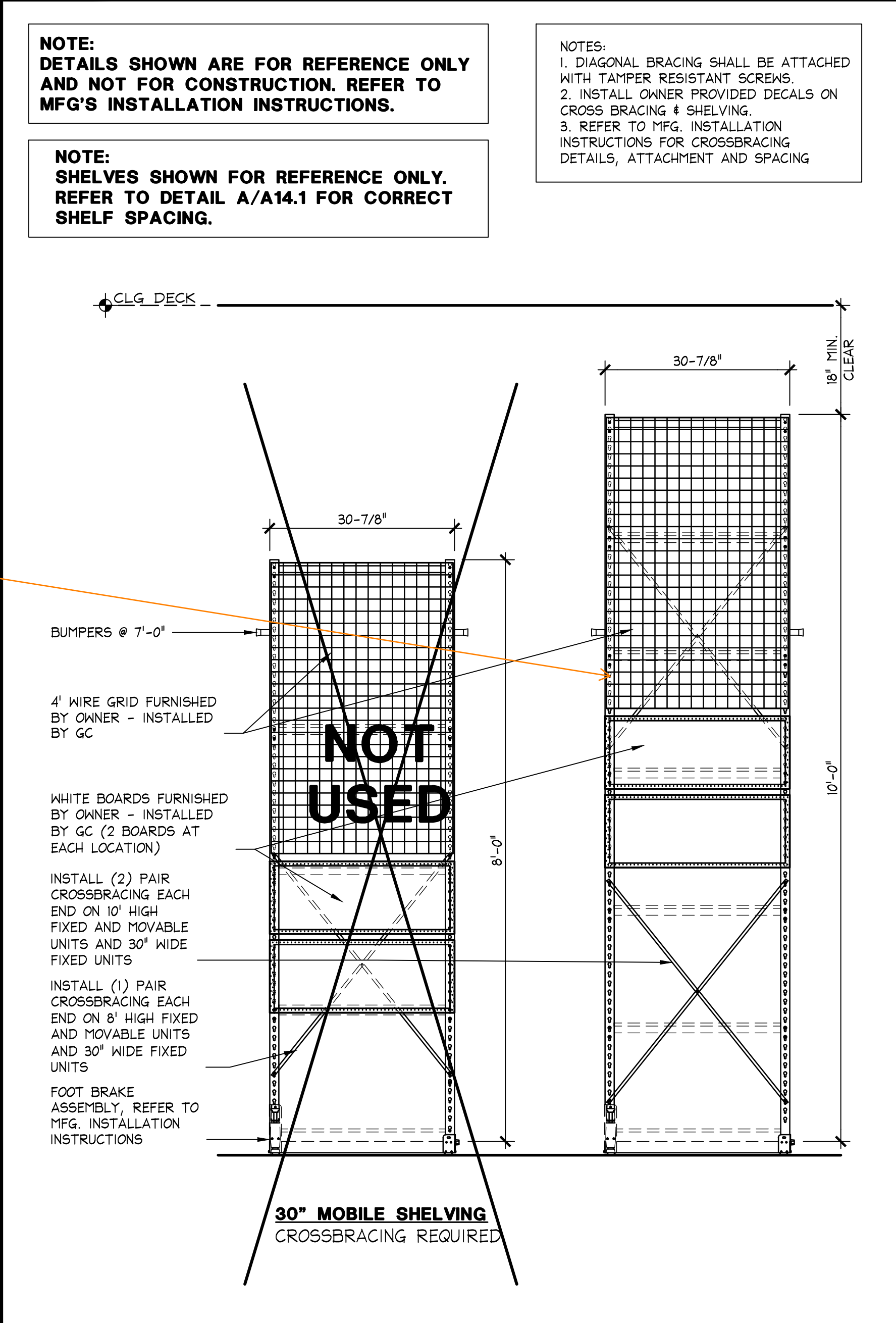
NO.	DESCRIPTION	DATE

DATE ISSUED: 11/04/2022
 DESIGNED BY: TN
 DRAWN BY: AKA
 CHECKED BY: PV

NON-SALES DETAILS

DRAWING NUMBER:
A14.1

If these shelving units are being used how is any seismic restraint being done for this seismic zone?
 Note on page A14.1 of plans, detail A.



MOBILE SHELVING UNIT DETAILS
 3/4" = 1'-0"
 A
 09.24.21

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007300 SUPPLEMENTARY CONDITIONS

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014000 QUALITY REQUIREMENTS
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017000 EXECUTION AND CLOSEOUT REQUIREMENTS
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044000 STONE ASSEMBLIES

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DIVISION 40 THRU 49: PROCESS EQUIPMENT (INDUSTRIAL) (NOT USED)

B. WORK SEQUENCE: COORDINATE CONSTRUCTION SCHEDULE, OPERATIONS AND USE OF PREMISES WITH BUILDING MANAGER.

C. CONTRACTOR USE OF PREMISES: LIMIT TO AREAS INDICATED ON DRAWINGS AND AS SPECIFIED, LIMIT ACCESS AS DIRECTED BY OWNER.

D. LINES AND LEVELS ENGINEERING: ESTABLISH LINES AND LEVELS BY USE OF RECOGNIZED ENGINEERING PRACTICES. LOCATED AND PROTECT CONTROL AND REFERENCE POINTS.

E. REGULATORY REQUIREMENTS: PROJECT HAS BEEN DESIGNED IN ACCORDANCE WITH APPLICABLE CODES. COMPLY WITH CODE REQUIREMENTS FOR CONSTRUCTION. INFORM ARCHITECT OF DISCREPANCIES OBSERVED OR NOTED BY OTHERS.

F. STANDARDS: COMPLY WITH STANDARDS REFERENCED EXCEPT WHERE MORE RIGID REQUIREMENTS ARE REQUIRED BY CODE. DATE OF STANDARD IS THAT IN EFFECT AS OF DATE DOCUMENTS ARE ISSUED, EXCEPT WHEN SPECIFIC DATE IS SPECIFIED.

G. OWNER FURNISHED: CONTRACTOR INSTALLED ITEMS: OWNER WILL ARRANGE FOR AND PAY FOR PRODUCT AS INDICATED ON DRAWINGS TO BE DELIVERED TO PROJECT SITE FOR CONTRACTOR INSTALLATION.
1. CONTRACTOR SHALL INSPECT, RECEIVE, UNLOAD, STORE, INSTALL AND FINISH AS DIRECTED.

H. SUPERINTENDENT SHALL REMAIN ON JOBSITE THROUGH STORE OPENING & COMPLETION OF PUNCH-LIST.

SECTION 010000 - ADMINISTRATIVE REQUIREMENTS

A. PROCEDURES: CONTRACTOR SHALL REVIEW AND APPROVED SUBMITTALS PRIOR TO SUBMITTING TO OWNER'S PROJECT MANAGER; INFORM OWNER'S PROJECT MANAGER IN WRITING AT TIME OF SUBMISSION OF ANY PROPOSED DEVIATION FROM CONTRACT DOCUMENTS.
1. SUBMITTAL BY CONTRACTOR REPRESENTS THAT FIELD MEASUREMENTS, FIELD CONSTRUCTION CRITERIA, MATERIALS, CATALOG NUMBERS AND SIMILAR DATA HAVE BEEN DETERMINED AND VERIFIED BY CONTRACTOR.

B. SHOP DRAWINGS: SUBMIT ONE REPRODUCIBLE AND TWO PRINTS; PROVIDE FOR CUSTOM PRODUCTS AND PRODUCTS NOT FULLY IDENTIFIED BY PRODUCT DATA.

C. PRODUCT DATA: SUBMIT NUMBER REQUIRED BY CONTRACTOR PLUS TWO FOR OWNER'S PROJECT MANAGER. INDICATE ITEM TO BE USED WHERE DATA FOR MORE THAN ONE PRODUCT OR OPTION IS INCLUDED, PROVIDE FOR EACH STOCK MANUFACTURED ITEM.

D. MANUFACTURER'S CERTIFICATES: PROVIDE TWO.

E. COORDINATION: COORDINATE USE OF PREMISES AND ACCESS TO SITE UNDER DIRECTION OF OWNER; COORDINATE WORK TO ASSURE EFFICIENT AND ORDERLY SEQUENCE OF INSTALLATION OF CONSTRUCTION ELEMENTS.
1. MAKE PROVISIONS FOR OWNER INSTALLED ITEMS AND FOR SEPARATE CONTRACTS.
2. VERIFY CHARACTERISTICS OF INTERRELATED OPERATING EQUIPMENT ARE UNACCEPTABLE; COORDINATE WORK HAVING INTERDEPENDENT RESPONSIBILITIES FOR INSTALLING, CONNECTION TO, AND PLACING SUCH EQUIPMENT IN SERVICE.
3. COORDINATE SPACE REQUIREMENTS AND INSTALLATION OF MECHANICAL AND ELECTRICAL WORK; CONCEAL PIPES, DUCTS, AND WIRING IN FINISHED AREA; COORDINATE LOCATIONS OF FIXTURES AND OUTLETS WITH FINISHES.

SECTION 014000 - QUALITY REQUIREMENTS

A. GENERAL QUALITY CONTROL: MAINTAIN QUALITY CONTROL OVER SUPPLIERS, MANUFACTURERS, PRODUCTS, SERVICES, SITE CONDITIONS, AND WORKMANSHIP, TO PRODUCE WORK OF SPECIFIED QUALITY.

B. MANUFACTURER'S FIELD SERVICES: WHEN SPECIFIED IN RESPECTIVE SPECIFICATION SECTIONS REQUIRE MANUFACTURER OR SUPPLIER TO HAVE QUALIFIED PERSONNEL PROVIDE ON-SITE OBSERVATIONS AND RECOMMENDATIONS.
1. REPRESENTATIVE SHALL:
a. OBSERVE FIELD CONDITIONS, INCLUDING CONDITIONS OF SURFACES. OBSERVE QUALITY OF WORKMANSHIP AND METHODS OF INSTALLATION.
b. PROVIDE RECOMMENDATIONS FOR INSTALLATION AND WORKMANSHIP.
c. WHERE REQUIRED, START TEST, AND ADJUST EQUIPMENT AS APPLICABLE.
d. SUBMIT WRITTEN REPORT TO OWNER'S PROJECT MANAGER OF OBSERVATIONS.

C. MOCK-UPS: CONSTRUCT FIELD SAMPLES AND MOCK-UPS ON SITE AS REQUIRED.

D. TESTING LABORATORY SERVICES: TESTING SHALL BE BY AN APPROVED TESTING LABORATORY, AS REQUIRED BY SPECIFICATIONS AND BY APPLICABLE CODES.
1. TESTING REQUIRED WILL BE PAID FOR BY OWNER EXCEPT RETESTING WILL BE PAID FOR BY CONTRACTOR WHERE REQUIRED BY FAILURE TO MEET ORIGINAL TESTS.
2. CONTRACTOR SHALL FURNISH MATERIALS AND SAMPLES FOR TESTS AND SHALL ASSIST TESTING LABORATORY AS REQUESTED.

SECTION 015000 - TEMPORARY FACILITIES AND CONTROLS

A. GENERAL: PROVIDE TEMPORARY CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS AS REQUIRED TO COVER PROJECT IN ACCORDANCE WITH CONTRACT DOCUMENTS AND TO CONFORM WITH REQUIREMENTS OF APPLICABLE AUTHORITIES.
1. CONTRACT GOVERNING AUTHORITIES TO ESTABLISH EXTENT OF TEMPORARY FACILITIES AND TEMPORARY CONTROLS REQUIRED BY AUTHORITIES.

B. TEMPORARY POWER: PROVIDE POWER SERVICE AND LIGHTING REQUIRED FOR OPERATIONS, WITH BRANCH WIRING AND DISTRIBUTION BOXES LOCATED TO ALLOW SERVICE AND LIGHTING BY MEANS OF CONSTRUCTION-TYPE POWER CORDS.

C. TEMPORARY LIGHTING: MINIMUM ILLUMINATION SHALL BE 5 FOOT - CANDLES FOR GENERAL CONSTRUCTION LIGHTING PER OSHA STANDARDS FOR CONSTRUCTION.

D. TEMPORARY WATER AND SANITARY SERVICES: PROVIDE AND MAINTAIN REQUIRED DRINKING WATER AND SANITARY FACILITIES WITH ENCLOSURES.

E. NOISE, DUST, AND POLLUTION CONTROL: PROVIDE MATERIALS AND EQUIPMENT NECESSARY TO COMPLY WITH LOCAL REQUIREMENTS FOR NOISE, DUST, AND POLLUTION CONTROL.

F. BARRIERS: PROVIDE AS REQUIRED TO PROTECT ADJACENT PROPERTIES FROM DAMAGE FROM OPERATIONS; AND AS REQUIRED BY GOVERNING AUTHORITIES.
1. BARRICADE AS REQUIRED BY CITY OR LANDLORD, IN ACCORDANCE WITH ALL CODES, CRITERIA AND DETAILS.
2. SECURITY: MAINTAIN SITE AND MATERIALS SECURE DURING CONSTRUCTION PERIOD.

G. CLEANING: CONTRACTOR ACCUMULATION OF WASTE MATERIALS AND RUBBISH; DISPOSE OF OFF-SITE AT INTERVALS AND APPROVED BY OWNER'S PROJECT MANAGER AND ACCEPTABLE TO APPLICABLE AUTHORITIES.

H. SIGNS: SUBJECT TO APPROVAL OF OWNER'S PROJECT MANAGER.

H. STORAGE: LIMIT ON-SITE STORAGE TO AREAS DESIGNATED FOR CONSTRUCTION OPERATIONS AND APPROVED IN WRITING IN ADVANCE BY OWNER; PROVIDE ADDITIONAL WEATHER-TIGHT, SECURED OFF-SITE STORAGE AS REQUIRED.

I. REMOVAL AND CLEANING: REMOVE CONSTRUCTION FACILITIES, CLEAN AND REPAIR DAMAGE, IN EXCESS OF CONTRACT REQUIREMENTS, CAUSED BY OPERATIONS OR USE OF TEMPORARY FACILITIES.

SECTION 016000 - PRODUCT REQUIREMENTS

A. CONTRACT AMOUNT: BASE ON MATERIALS AND PRODUCTS IN CONTRACT DOCUMENTS; WHERE LISTED IN CONTRACT DOCUMENTS, CONTRACT MATERIALS PROVIDED BY MANUFACTURERS NOT LISTED SHALL NOT BE USED WITHOUT WRITTEN APPROVAL.

B. PRODUCTS: COMPONENTS SUPPLIED IN QUANTITY SHALL BE INTERCHANGEABLE, PROVIDE NEW MATERIALS UNLESS OTHERWISE DIRECTED IN CONTRACT DOCUMENTS.

C. INSTALLATION: INSTALL ITEMS PLUMB, LEVEL AND SECURE, AND IN CORRECT RELATION TO ADJACENT PRODUCTS; SECURE IN PLACE WITH POSITIVE ANCHORAGE DEVICES DESIGNATED AND SIZED TO WITHSTAND STRESSES, VIBRATION AND RACKING.
1. COMPLY WITH MANUFACTURER RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE SPECIFIED.

D. TRANSPORTATION: TRANSPORT PRODUCTS TO AVOID PRODUCT DAMAGE, DELIVER IN UNDAMAGED CONDITION IN MANUFACTURER'S UNOPENED CONTAINERS OR PACKAGING.

E. HANDLING: PROVIDE EQUIPMENT AND PERSONNEL TO HANDLE PRODUCTS BY METHODS TO PREVENT SOILING AND DAMAGE; PROMPTLY INSPECT TO ASSURE PRODUCTS ARE CORRECT, COMPLETE, AND UNDAMAGED AND QUANTITIES ARE CORRECT.

F. STORAGE: STORE MATERIAL IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS, WITH SEALS AND LABELS INTACT AND LEGIBLE.

G. PROTECTION: PROVIDE COVERINGS TO PROTECT PRODUCTS FROM DAMAGE FROM TRAFFIC AND CONSTRUCTION OPERATIONS, REMOVE WHEN NO LONGER NEEDED.

H. SPECIFIED PRODUCTS: FOR PRODUCTS SPECIFIED BY NAMING ONE OR MORE PRODUCTS OR MANUFACTURERS, SELECT PRODUCTS OF ANY NAMED MANUFACTURER MEETING SPECIFICATIONS.

SECTION 016200 - PRODUCT OPTION

A. SUBSTITUTIONS AND PRODUCT OPTIONS: PROVIDE PRODUCTS INDICATED OR APPROVED; REQUESTS FOR SUBSTITUTIONS IN WRITING.
1. CONTRACTOR OPTIONS: PROVIDE PRODUCTS AND MANUFACTURERS NAMED IN SPECIFICATIONS, SUBMIT REQUEST FOR SUBSTITUTION FOR PRODUCTS AND

MANUFACTURERS NOT SPECIFICALLY NAMED WHERE NAMES ARE LISTED.

B. SUBSTITUTIONS: CONTRACTOR SHALL INVESTIGATE PROPOSED SUBSTITUTIONS AND DETERMINE IF EQUIVALENT TO PRODUCTS SPECIFIED. SUBMITTALS SHALL INCLUDE COST OR TIME BENEFITS FOR SUBSTITUTION; FAILURE TO INDICATE COST OR TIME BENEFITS IS JUSTIFICATION FOR REJECTION.

C. CONTRACTOR'S REPRESENTATION: REQUESTS CONSTITUTE THAT CONTRACTOR(S) HAS INVESTIGATED PROPOSED PRODUCTS AND DETERMINES IT MEETS OR EXCEEDS SPECIFIED PRODUCTS AND WAIVES CLAIMS FOR ADDITIONAL COSTS THAT SUBSEQUENTLY BECOME APPARENT.

D. APPROVALS: OWNER'S PROJECT MANAGER SHALL BE JUDGE OF ACCEPTABILITY AND RESERVE THE RIGHT TO REJECT PROPOSED SUBSTITUTION BASED ON INSUFFICIENT INFORMATION; USE ONLY SUBSTITUTIONS APPROVED IN WRITING.

SECTION 017000 - EXECUTION AND CLOSEOUT PROCEDURES

A. INSTALLER QUALIFICATIONS: INSTALLERS TO HAVE MINIMUM FIVE YEARS SUCCESSFUL EXPERIENCE INSTALLING ITEMS SIMILAR TO THOSE REQUIRED FOR PROJECT, EXCEPT FOR INDIVIDUALS IN TRAINING UNDER DIRECT SUPERVISION OF EXPERIENCED INSTALLER.

B. EXAMINATION: BEGINNING INSTALLATION OF A PRODUCT SIGNIFIES INSTALLER HAS EXAMINED SUBSTRATES, AREAS, AND CONDITIONS FOR COMPLIANCE WITH MANUFACTURER REQUIREMENTS FOR TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE.

C. MANUFACTURER'S INSTRUCTIONS: WHEN WORK IS SPECIFIED TO COMPLY WITH MANUFACTURER'S RECOMMENDATIONS OR INSTRUCTIONS, DISTRIBUTE COPIES TO OWNER'S PROJECT MANAGER.

D. INSTALLATION: COMPLY WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS UNLESS MORE RESTRICTIVE REQUIREMENTS ARE SPECIFIED.

E. PROTECTION: COVER PRODUCTS SUBJECT TO DETERIORATION WITH IMPERVIOUS SHEET, PROVIDE VENTILATION TO AVOID CONDENSATION AND TRAPPING WATER.

F. CUTTING AND PATCHING: CUT AND FIT COMPONENTS AS REQUIRED; PATCH DISTURBED AREAS TO MATCH ADJACENT MATERIALS AND FINISHES.
1. REFINISHING: REFINISH ENTIRE SURFACES AS NECESSARY TO PROVIDE EVEN FINISH TO MATCH ADJACENT FINISHES; FOR CONTINUOUS SURFACES REFINISH TO NEAREST INTERSECTION, FOR AN ASSEMBLY REFINISH ENTIRE UNIT.

G. FINAL CLEANING: CLEAN INTERIOR AND EXTERIOR SURFACES EXPOSED TO VIEW, REMOVE TEMPORARY LABELS, STAINS AND FOREIGN SUBSTANCES; POLISH TRANSPARENT AND GLOSSY SURFACES; VACUUM CARPETED AND SOFT SURFACES; CLEAN DUCTS; CLEAN SITE.

H. SUBSTANTIAL COMPLETION: PROVIDE DOCUMENTATION STATING WORK HAS BEEN SUBSTANTIALLY COMPLETED, WHERE OWNER REQUIRES USE OF SPACE PRIOR TO FINAL COMPLETION, PROVIDE LIST OF ITEMS TO BE COMPLETED.
1. OWNER'S PROJECT MANAGER WILL REVIEW LIST OF ANY ITEMS TO COMPLETED AND SUPPLEMENT LIST WITH ITEMS CONSIDERED TO BE INCOMPLETE OR UNACCEPTABLE.

I. FINAL COMPLETION: PROVIDE WRITTEN CERTIFICATION INDICATING WORK IS IN COMPLIANCE WITH CONTRACT DOCUMENTS, SYSTEMS HAVE BEEN TESTED AND ARE OPERATIONAL, AND WORK IS READY FOR FINAL INSPECTION.

J. PROJECT RECORD DOCUMENTS: MAINTAIN COMPLETE AND UP-TO-DATE RECORD DOCUMENTS, KEEP SEPARATE FROM FIELD DOCUMENTS. SUBMIT PROJECT RECORD DOCUMENTS, MATERIAL AND FINISH DATA, OPERATION AND INSTRUCTION MANUALS, WARRANTIES AND BONDS AT COMPLETION.
1. SUBMIT BOUND IN 8-1/2" X 11" THREE RING BINDERS WITH DURABLE PLASTIC COVERS.
1. ARRANGE IN FORMAT SIMILAR TO SPECIFICATIONS.

K. WARRANTIES: PROVIDE WARRANTIES AS INDICATED, SIGNED BY CONTRACTOR AND MANUFACTURER, FORM AS APPROVED BY OWNER PRIOR TO EXECUTION.
1. WARRANTIES SHALL BE IN ADDITION TO AND NOT A LIMITATION OF OTHER RIGHTS OWNER MAY HAVE AGAINST CONTRACTOR UNDER CONTRACT DOCUMENTS AND AS PRESCRIBED BY LAW, REGARDLESS OF WORDING OF WARRANTY.
2. PROVIDE A LIST OF SUBCONTRACTORS CONTACTS AND PHONE NUMBERS IN A FRAME MOUNTED ON OFFICE DOOR. INCLUDE THIS IN PROJECT CLOSEOUT PACKAGE.

SECTION 017300 - EXECUTION

A. SELECTIVE DEMOLITION: REMOVE FROM SITE EXISTING MATERIALS, CONSTRUCTION AND UTILITIES AS NEEDED TO COMPLETE PROJECT. REMOVE EXISTING ELEMENTS INDICATED AND ENCOUNTERED DURING CONSTRUCTION, AS NEEDED TO COMPLETE WORK.
1. REMOVE ONLY THOSE ELEMENTS NECESSARY FOR COMPLETION OF PROJECT, REPLACE OR REPAIR ELEMENTS UNNECESSARILY REMOVED OR DAMAGED DURING CONSTRUCTION.

B. CAREFULLY REMOVE AND STORE ITEMS INDICATED FOR REUSE IN PROJECT AND COORDINATE WITH OTHER TRADES AND MODIFICATIONS AND REINSTALLATION.

C. PROTECTION: PREVENT MOVEMENT AND SETTLEMENT OF ADJACENT STRUCTURE, PROVIDE BRACING, SHORING, AND UNDERPINNING AS NEEDED AND BE RESPONSIBLE FOR SAFETY AND SUPPORT OF STRUCTURES. ASSUME LIABILITY FOR SUCH MOVEMENT AND SETTLEMENT.

D. UTILITIES: CONTACT APPLICABLE UTILITY COMPANIES PRIOR TO DISCONNECTING UTILITIES; DISCONTINUE WORK IF UNEXPECTED UTILITY LINES ARE ENCOUNTERED. DETERMINE LINE SOURCE AND USE PRIOR TO REMOVAL. CAP AND IDENTIFY.

SECTION 017900 - DEMONSTRATION AND TRAINING

A. SUMMARY: PROJECT INCLUDES SPECIAL FACILITY START-UP PROCESS TO BRING FACILITY TO FULLY OPERATIONAL STATE, FREE OF DEFICIENCIES, IN MOST EFFICIENT AND TIMELY MANNER achievable.

DIVISION 03 - CONCRETE

SECTION 035400 - CAST UNDERLAYMENT

A. GENERAL: PROVIDE Poured CEMENTITIOUS UNDERLAYMENT SYSTEM, NOT INTENDED AS FINISHED TRAFFIC SURFACE, INCLUDING ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.

B. SUBMITTALS: FURNISH MANUFACTURER'S LITERATURE.

C. INSTALLER: FIRM WITH MINIMUM 5 YEARS SUCCESSFUL EXPERIENCE REGULARLY ENGAGED IN INSTALLATION OF SPECIFIED MATERIALS, PROPERLY EQUIPPED AND ACCEPTABLE TO MANUFACTURER.

D. MANUFACTURER: ARDEX, INC./X-15; M.R.BONSAI CO./SELF-LEVELING WEAR TOPPING.

E. SYSTEM: POURABLE CEMENTITIOUS, HIGH-STRENGTH, FAST-SETTING, NON-SHRINK, SELF-LEVELING UNDERLAYMENT; MINIMUM 4000 PSI COMPRESSIVE STRENGTH AT 28 DAYS, ASTM C349. TOLERANCE IS TO BE 1/8" OVER TEN FEET.

F. INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS

H. FURNISH AND INSTALL EPOXY BASED, OR APPROVED EQUAL, MANUFACTURER RECOMMENDED LEVELING COMPOUND AT SENSOR/MAT PANEL UNITS. (SEE DETAIL IN ELECTRICAL DRAWINGS.)

DIVISION 04 - MASONRY

SECTION 044000 - STONE ASSEMBLIES

A. GENERAL: PROVIDE STONE FABRICATIONS FOR CLADDING AS INDICATED ON DRAWINGS, INCLUDING ANCHORS, MORTAR, GROUT, AND ACCESSORIES AS REQUIRED FOR COMPLETE, FINISHED INSTALLATION.

H. QUALITY CONTROL: OBSERVE STONE DURING FABRICATION AND ENSURE CONSISTENCY OF APPEARANCE.
1. DEFECTS AND BLEMISHES: CONTRASTING SPOTS, FOREIGN ELEMENTS, IRREGULAR COLOR VARIATIONS, AND IRREGULARITIES IN TYPICAL CHARACTERISTICS SHALL BE CONSIDERED DEFECTS AND BLEMISHES.

C. COMPOSITE STONE: AS INDICATED ON DRAWINGS; EACH TYPE OF STONE SHALL COME FROM A SINGLE MANUFACTURER TO ENSURE CONSISTENT COLOR.

D. MORTAR AND GROUT MATERIALS: ASTM C150, TYPE I PORTLAND CEMENT, ASTM C207, TYPE 5 HYDRATED LIME, AND ASTM C144 SAND, CLEAN, FREE OF HARMFUL SUBSTANCES; USE WALK-ON AT COLORED MORTAR AND GROUT, COLOR TO MATCH STONE UNLESS OTHERWISE INDICATED.

E. ACCESSORIES: PROVIDE ACCESSORIES AS REQUIRED FOR COMPLETE SYSTEM.

F. FABRICATION: PROVIDE STONE WITH EXPOSED SURFACES SMOOTH, TRUE AND FLAT.

G. FABRICATION: FABRICATE AS SHOWN AND AS DETAILED ON FINAL SHOP DRAWINGS WITH EXPOSED SURFACE SMOOTH, TRUE AND FLAT.
1. CUT ACCURATELY TO SHAPE AND DIMENSIONS SHOWN ON FINAL SHOP DRAWINGS; COMPLY WITH FABRICATION TOLERANCES OF THE STONE ASSOCIATION (I.E. GRANITE INSTITUTE) FOR SPECIFIED FINISHES. ZERO TOLERANCE WHERE HAIRLINE JOINTS ARE REQUIRED.

H. INSTALLATION: DO NOT USE MATERIAL WITH CHIPS, CRACKS, VOIDS, DISCOLORATION OR OTHER DEFECTS THAT MIGHT BE VISIBLE OR CAUSE STAINING IN FINISHED WORK.
1. STONE APPLICATION: INSTALL CURBS WITH SOFT STAINLESS STEEL WIRE ANCHORS, MINIMUM 1/8" DIAMETER SET WITH PORTLAND CEMENT WITH SHRINKAGE REDUCER (EXTERIOR), GROUT JOINTS.
2. EXECUTE WORK WITH SKILLED MECHANICS AND EMPLOY SKILLED FITTERS AT SITE TO DO NECESSARY FIELD CUTTING AS STONE IS SET.
TOOL: JOINTS SLIGHTLY CONCAVE.

DIVISION 05 - METALS

SECTION 050000 - METAL FABRICATIONS

A. GENERAL: PROVIDE MISCELLANEOUS METAL SHAPES AND FABRICATIONS AS REQUIRED AND NOT INCLUDED AS PART OF OTHER SECTIONS, WITH ANCHORS AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.

B. SUBMITTALS: FURNISH SHOP DRAWINGS FOR CUSTOM FABRICATIONS, PRODUCT DATA FOR MANUFACTURED ITEMS; PROVIDE TEMPLATES FOR ANCHOR INSTALLATION BY OTHERS.

C. STEEL SHAPES: ASTM A36 STEEL.

D. GROUT: PROVIDE NON-SHRINK, NONMETALLIC, PREMIXED, FACTORY PACKAGED, NON-STAINING, NON-CORROSIVE, NON-GASEOUS GROUT, TYPE SPECIFICALLY RECOMMENDED BY MANUFACTURER FOR APPLICATIONS INDICATED.

E. FASTENERS AND ROUGH HARDWARE: TYPE REQUIRED FOR SPECIFIC USAGE; PROVIDE ZINC-COATED FASTENERS FOR EXTERIOR USE OR WHERE BUILT INTO EXTERIOR WALLS.

F. WELDING MATERIALS: AWS D11, TYPE REQUIRED FOR MATERIALS BEING WELDED.

G. PAINT: PROVIDE PRIMERS AS RECOMMENDED BY PAINT MANUFACTURERS FOR SUBSTRATES AND PAINTS SPECIFIED IN SECTION 09000 - PAINTING.
1. GALVANIZING REPAIR PAINT: HIGH ZINC-DUCT CONTENT PAINT FOR REGALVANIZING WELDS IN GALVANIZED STEEL.

H. FABRICATION: FABRICATE ITEMS WITH JOINTS NEATLY FITTED AND PROPERLY SECURED; GRIND EXPOSED WELDS CONTINUOUS, SMOOTH AND FLUSH WITH ADJACENT FINISHED SURFACES, AND EASE EXPOSED EDGES TO APPROXIMATE 1/32" UNIFORM RADIUS.
1. MAKE EXPOSED JOINTS FLUSH BUTT TYPE, HAIRLINE JOINTS WHERE MECHANICALLY FASTENED.
2. FIT AND SHOP ASSEMBLY IN LARGEST PRACTICAL SECTIONS FOR DELIVERY.
3. FINISHES: GALVANIZE AND PRIME PAINT EXTERIOR MISCELLANEOUS METAL, PRIME PAINT INTERIOR MISCELLANEOUS METAL, GALVANIZE COATING MINIMUM G90 COATING, GALVANIZED AFTER FABRICATION.

I. CLEAN SURFACES OF RUST, SCALE, GREASE AND FOREIGN MATTER PRIOR TO APPLYING GALVANIZED OR PAINTED FINISH.

J. INSTALLATION: INSTALL ITEMS SQUARE AND LEVEL, ACCURATELY FITTED AND FREE FROM DISTORTION OR DEFECTS DETRIMENTAL TO APPEARANCE OR PERFORMANCE, EXCEPT ALIGNMENT WITH ADJACENT CONSTRUCTION, COORDINATE WITH RELATED WORK TO ENSURE NO INTERRUPTION IN INSTALLATION.
1. SUPPLY ITEMS REQUIRING TO BE CASE INTO OR EMBEDDED IN OTHER MATERIALS TO APPROPRIATE TRADES.
2. AFTER INSTALLATION, TOUCHUP FIELD WELDS AND SCRATCHED AND DAMAGED SURFACES; USE PRIMER CONSISTENT WITH SHOP COAT OR RECOMMENDED FOR GALVANIZED SURFACES, AS APPLICABLE.

K. COLD-FORMED METAL FRAMING: CONFORM TO ASTM C955 & C1007 WHERE INDICATED ON DRAWINGS (SEE DIVISION 9 SECTION 092116 FOR METAL FRAMING NOT INDICATED ON DRAWINGS). PROVIDE ACCESSORIES REQUIRED FOR COMPLETE INSTALLATION.

L. METAL BLOCKING: PRE-NOTCHED METAL BLOCKING TO BE NOTCH TIME BY METAL LITE INC. ANAHEIM, CA. (PH 1800-866-6824).

SECTION 057000 - DECORATIVE METALS

A. GENERAL: PROVIDE CUSTOM ORNAMENTAL METAL ITEMS AS INDICATED WITH ACCESSORIES AND ATTACHMENT DEVICES AS REQUIRED FOR COMPLETE, FINISHED INSTALLATION.
1. ORNAMENTAL METAL ITEMS: INSTALL STAINLESS STEEL AND BREAK METAL SHAPES AS INDICATED ON DRAWINGS.

B. FABRICATOR: FIRM WITH MINIMUM FIVE YEARS SUCCESSFUL EXPERIENCE FABRICATING ORNAMENTAL METAL ITEMS SIMILAR TO THOSE REQUIRED FOR PROJECT.

C. STAINLESS STEEL: ASTM A666, TYPE 302/304 CORROSION RESISTANT STAINLESS STEEL WITH NO. 4 SATIN DIRECTIONAL FINISH.

D. BRACKETS AND ANCHORS: UNEXPOSED PLATES, ANGLES AND SUPPORTS MAY BE STEEL, EXPOSED ITEMS TO MATCH ORNAMENTAL METAL TYPE AND FINISH.

E. FASTENERS: TYPE REQUIRED FOR SPECIFIC USAGE, PROVIDE CONCEALED FASTENERS EXCEPT WHERE SPECIFICALLY APPROVED; WHERE EXPOSED GALVANIZED TYPE AND FINISH OF METAL BEING FASTENED.
1. CONCEALED STEEL FASTENERS: HOT-DIPPED GALVANIZED MINIMUM G90 WHERE BUILT INTO EXTERIOR WALLS OR SUBJECT TO HIGH HUMIDITY.

F. FABRICATION: FABRICATE COMPONENT CONNECTIONS TO SUPPORT SPECIFIED DESIGN LOADS.
1. SELECT MATERIALS FOR STRAIGHTNESS, FREE OF DEFECTS AND IRREGULARITIES.
2. EXPOSED-TO-VIEW SURFACES EXHIBITING PITCHING, SEAM MARKS, ROLLER MARKS, "OIL CANNING", STAINS, DISCOLORATION, AND IMPERFECTIONS ON FINISHED UNITS ARE NOT ACCEPTABLE.
3. MAKER EXPOSED JOINTS FLUSH BUTT TYPE, HAIRLINE JOINTS WHERE MECHANICALLY FASTENED, PROVIDE CONCEALED CONNECTION DEVICES WITH HIDDEN FASTENERS OR AS DETAILED.
4. SEPARATE DISSIMILAR MATERIALS WITH BITUMINOUS PAINT WHERE CONCEALED, WITH PERFORMED SEPARATORS, OR SIMILAR METHOD TO PREVENT CORROSION.

G. INSTALLATION: INSTALL ORNAMENTAL METAL ITEMS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, INSTALLATION INSTRUCTIONS, AND APPROVED SHOP DRAWINGS.
1. INSTALL PLUMBS TRUE AND IN CORRECT RELATION TO ADJACENT WORK, FREE FROM DISTORTION OR DEFECTS DETRIMENTAL TO APPEARANCE AND PERFORMANCE.
2. PRIOR TO SECURING CONTINUOUS ITEMS, ADJUST TO ENSURE PROPER MATCHING AT BUTT JOINTS AND CORRECT ALIGNMENT THROUGHOUT THEIR LENGTH.
3. REPAIR OR REPLACE ITEMS DAMAGED OR MARRED DURING CONSTRUCTION.

DIVISION 06 - WOOD, PLASTICS AND COMPOSITES

SECTION 061053 - ROUGH CARPENTRY

A. GENERAL: PROVIDE MISCELLANEOUS ROUGH CARPENTRY.
1. PROVIDE APPROVED FIRE RETARDANT TREATED (FRT) LUMBER, PLYWOOD AND TRIM WHERE REQUIRED BY STATE OR LOCAL CODES AND WHERE NOTED ON DRAWINGS. ALL SUCH MATERIALS SHALL BEAR THE MANUFACTURERS STAMP OF AUTHENTICITY.
2. PROVIDE APPROVED PRESERVATIVE TREATED LUMBER, PLYWOOD AND TRIM WHERE EXPOSED TO THE EXTERIOR AND WHERE NOTED ON TBH DRAWINGS. ALL SUCH MATERIALS SHALL BEAR THE MANUFACTURERS STAMP OF AUTHENTICITY.

B. STANDARDS: COMPLY WITH REQUIREMENTS OF AMERICAN PLYWOOD ASSOCIATION (APA), AND APPLICABLE CODE REQUIREMENTS.

C. PLYWOOD: PROVIDE MINIMUM APA C-D EXTERIOR (CDX) PLYWOOD; STRESS RATED WHERE SPANNING SUPPORTING MEMBERS; FIRE RETARDANT TREATED; MINIMUM 3/4" THICK UNLESS OTHERWISE INDICATED.

D. PLYWOOD STANDARD: COMPLY WITH PSI (ANSI A199.1).

E. PLYWOOD PANEL BOARDS: PROVIDE PANEL BOARDS FOR ELECTRICAL AND COMMUNICATION PANEL BOARDS; APA C-D PLUGGED, INTERIOR TYPE PLYWOOD WITH EXTERIOR GLUE, FIRE RETARDANT TREATED, MINIMUM 1/2" THICK.

F. FASTENERS: PROVIDE FASTENERS AS REQUIRED FOR COMPLETE, SECURE INSTALLATION OF MISCELLANEOUS ROUGH CARPENTRY; ALL FASTENERS FOR P.T. OR F.R.P. WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER, OR AS OTHERWISE RECOMMENDED BY THE TREATED WOOD OR WOOD CONNECTOR MANUFACTURERS RECOMMENDATIONS.

G. INSTALLATION: COMPLY WITH REFERENCED STANDARDS AND APPLICABLE CODE REQUIREMENTS.
1. PLYWOOD: COMPLY WITH RECOMMENDATIONS OF AMERICAN PLYWOOD ASSOCIATION (APA) FOR FABRICATION AND INSTALLATION OF PLYWOOD WORK.
2. PLACE MISCELLANEOUS ROUGH CARPENTRY TRUE TO LINES AND LEVELS.
3. CORRELATE LOCATION SO ATTACHED WORK WILL COMPLY WITH DESIGN REQUIREMENTS AND BE PROPERLY LOCATED.
4. CONSTRUCT MEMBERS OF CONTINUOUS PIECES OF LONGEST POSSIBLE LENGTHS.
5. FIT CARPENTRY WORK TO OTHER WORK; SCRIBE AND COPE AS REQUIRED FOR ACCURATE FIT.

6. SECURELY ATTACH CARPENTRY WORK TO SUBSTRATES BY ANCHORING AND FASTENING AS REQUIRED BY RECOGNIZED STANDARDS.

7. PROVIDE WASHERS UNDER BOLT HEADS AND NUTS IN CONTACT WITH WOOD.

SECTION 062000 - FINISH CARPENTRY

A. STANDARDS: CONFORM TO ARCHITECTURAL WOODWORK INSTITUTE (AWI)/QUALITY STANDARDS OR WOODWORK INSTITUTE OF CALIFORNIA (WIC) 'MANUAL OF MILLWORK' STANDARDS; MINIMUM WIC/CUSTOM GRADE.

B. SUBMITTALS: FURNISH PRODUCT DATA FOR MANUFACTURED ITEMS; SHOP DRAWINGS FOR CUSTOM ITEMS, SAMPLES OF EACH EXPOSED FINISH.

C. CERTIFICATION: CERTIFICATION WILL NOT BE REQUIRED.

D. DELIVERY, STORAGE AND HANDLING: COMPLY WITH AWI OR WIC STANDARDS AND MANUFACTURER RECOMMENDATIONS.

E. NON-SALES WOOD SHELVING: AWI OR WIC/CUSTOM GRADE HARDWOOD-EDGED PLYWOOD.
1. ADJUSTABLE SHELVING BRACKETS: INSTALL HEAVY DUTY STANDARDS AND BRACKETS WITH SLOTS 2" ON CENTER, SUPPORTS MAXIMUM 24" APART, AND MINIMUM 12" SHELF BRACKETS UNLESS OTHERWISE INDICATED.

F. RECEIVE & INSTALL OWNER PROVIDED, PRIMED WOOD WALL BASE.
1. COPE ALL IN-CORNERS, MITER ALL OUTSIDE CORNERS.
2. BACK OUT AS REQUIRED TO PREVENT WRAPPING. DRILL WHERE NECESSARY TO PREVENT SPLITTING.
3. COUNTER SINK & PUTTY ALL NAIL HOLES, SAND SMOOTH.

G. ANCHORS, NAILS AND SCREWS: SELECT THE MATERIAL, TYPE, SIZE AND FINISH REQUIRED BY EACH SUBSTRATE FOR SECURE ANCHORAGE; PROVIDE TOOTHED STEEL OR LEAD EXPANSION BOLT SCREWS FOR DRILLED-IN-PLACE ANCHORS.

H. WOOD FILLER: COLOR TO MATCH WOOD BEING FILLED.

I. FABRICATION: FABRICATE FINISH CARPENTRY ITEMS IN ACCORDANCE WITH SPECIFIED QUALITY STANDARD.
1. INSTALLATION: INSTALL WORK CONSISTENT WITH SPECIFIED QUALITY GRADE, PLUMB, LEVEL, TRUE AND STRAIGHT WITH NO DISTORTIONS; SHIM AS REQUIRED, USING CONCEALED SHIMS.

K. PREPARATION FOR FIELD FINISHING: SAND WOOD SMOOTH AND SET EXPOSED NAILS AND SCREWS; APPLY WOOD FILLER IN EXPOSED NAIL AND SCREW INDENTATIONS AND LEAVE READY TO RECEIVE SITE-APPLIED FINISHES.
1. SEAL CONCEALED AND SEMI-CONCEALED SURFACES; BRUSH APPLY ONLY, USING PRIMER CONSISTENT WITH FINISH COATS SPECIFIED UNDER SECTION 09000 - PAINTING AND COATING.

SECTION 064000 - ARCHITECTURAL WOODWORK

A. GENERAL: INSTALL OWNER FURNISHED CASEWORK AND COUNTERTOPS; PROVIDE ACCESSORIES AS REQUIRED FOR COMPLETE FINISHED INSTALLATION.

B. STANDARDS: CONFORM TO ARCHITECTURAL WOODWORK INSTITUTE (AWI)/QUALITY STANDARDS OR WOODWORK INSTITUTE OF CALIFORNIA (WIC) 'MANUAL OF MILLWORK' STANDARDS; MINIMUM PREMIUM GRADE.

C. SUBMITTALS: FURNISH PRODUCT DATA FOR CONTRACTOR FURNISHED ACCESSORIES INCLUDING SAMPLES OF EXPOSED MATERIALS.

D. STORAGE AND HANDLING: COMPLY WITH MANUFACTURER RECOMMENDATIONS.

E. ACCESSORIES: PROVIDE AS INDICATED AND AS REQUIRED TO INSTALL ARCHITECTURAL WOODWORK AS INDICATED; COORDINATE ACCESSORIES REQUIRED FOR INSTALLATION OF OWNER FURNISHED ARCHITECTURAL WOODWORK NOT FURNISHED WITH ARCHITECTURAL WOODWORK.
1. INSTALLATION: INSTALL WORK CONSISTENT WITH SPECIFIED QUALITY GRADE, PLUMB, LEVEL, TRUE AND STRAIGHT WITH NO DISTORTIONS.
2. SCRIBE AND CUT FOR ACCURATE FIT TO OTHER FINISHED WORK.
3. ENSURE MECHANICAL AND ELECTRICAL ITEMS AFFECTING ARCHITECTURAL WOODWORK ARE PROPERLY PLACED, COMPLETE, AND HAVE BEEN INSPECTED BY OWNER'S PROJECT MANAGER PRIOR TO COMMENCEMENT OF INSTALLATION.
4. SECURE WORK TO GROUNDS, STRIPPING AND BLOCKING WITH COUNTERSUNK, CONCEALED FASTENERS AND BLIND NAILING AS REQUIRED FOR A COMPLETE INSTALLATION.
5. SCRIBE AND CUT FOR ACCURATE FIT TO OTHER FINISHED WORK.
6. INSTALL ARCHITECTURAL WOODWORK UNDER SUPERVISION OF FACTORY-TRAINED MECHANICS.
7. ATTACH ARCHITECTURAL WOODWORK SECURELY IN PLACE WITH UNIFORM JOINTS PROVIDING FOR THERMAL AND BUILDING MOVEMENTS.
8. ACCEPTABLE TOLERANCES: A VARIATION FROM TRUE POSITION: MAXIMUM 1/16" AT ANY POSITION AND MAXIMUM 1/8" IN ANY 10'-0" LENGTH.

G. ADJOINING SURFACES OF SAME MATERIAL: NO VARIATION PERMITTED.

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

SECTION 072100 - THERMAL INSULATION

A. GENERAL: PROVIDE THERMAL INSULATION WITH ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.
1. INSULATION INTEGRAL WITH ROOFING REPAIRS IS PROVIDED WITH ROOFING, AND ACOUSTICAL INSULATION IS PROVIDED WITH GYPSUM BOARD ASSEMBLIES.


B. THERMAL BATT INSULATION: OWENS CORNING-FS-25, USG/THERMAFIBER F525, OR JOHNS MANVILLE/FSK-25; FIBR FACED VAPOR RETARDED FACED, VAPOR RETARDED TOWARD INSIDE; THICKNESS/R-VALUE: AS INDICATED ON DRAWINGS.

C. ACCESSORIES: PROVIDE TAPE OR PENETRATION ANCHORS WHERE REQUIRED TO ENSURE PERMANENT INSTALLATION.

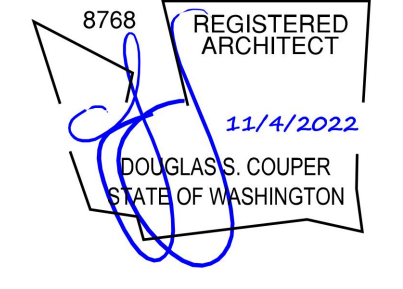
D. INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS.

SECTION 072400 - EXTERIOR INSULATION FINISH SYSTEM

A. GENERAL:
1.01 SECTION INCLUDES
1. MATERIALS AND INSTALLATION OF EIFS.
1.02 RELATED SECTIONS
1. SECTION 07210: BUILDING INSULATION
2. SECTION 07590: ROOF REPAIRS
3. SECTION 07600: FLASHING AND SHEET METAL
4. SECTION 07900: JOINT SEALERS
5. SECTION 08400: ALUMINUM FRAMED STOREFRONTS
6. SECTION 08800: GLAZING
7. SECTION 09260: GYPSUM BOARD ASSEMBLIES
1.03 DESIGN REQUIREMENTS
1. WIND LOAD DESIGN FOR MAXIMUM ALLOWABLE SYSTEM DEFLECTING, NORMAL TO THE PLANE OF THE WALL, OF L/240. DESIGN FOR WIND LOAD IN CONFORMANCE WITH CODE REQUIREMENTS.
2. MOISTURE CONTROL: PREVENT THE ACCUMULATION OF WATER BEHIND THE EIF SYSTEM, EITHER BY CONDENSATION OR LEAKAGE THROUGH THE WALL CONSTRUCTION, IN THE DESIGN AND DETAILING OF THE WALL ASSEMBLY.
a. PROVIDE FLASHING TO DIRECT WATER TO THE EXTERIOR WHERE IT IS LIKELY TO PENETRATE COMPONENTS IN THE WALL ASSEMBLY, INCLUDING, ABOVE WINDOW AND DOOR HEADS, BENEATH WINDOW AND DOOR SILLS, AT ROOF/WALL INTERSECTIONS, DECKS, ABUTMENTS OF LOWER WALLS WITH HIGHER WALLS, ABOVE PROJECTING FEATURES, AND AT THE BASE OF THE WALL.
b. VAPOR DIFFUSION AND CONDENSATION: PERFORM A DEB POINT ANALYSIS OF THE WALL ASSEMBLY TO DETERMINE THE POTENTIAL FOR ACCUMULATION OF MOISTURE IN THE WALL ASSEMBLY AS A RESULT OF WATER VAPOR DIFFUSION AND CONDENSATION. ADJUST INSULATION THICKNESS AND/OR OTHER WALL ASSEMBLY COMPONENTS ACCORDINGLY TO MINIMIZE THE RISK OF CONDENSATION. AVOID THE USE OF VAPOR RETARDERS ON THE INTERIOR SIDE OF THE WALL IN WARM, HUMID CLIMATES.
3. IMPACT RESISTANCE
a. PROVIDE ULTRA-HIGH IMPACT RESISTANCE TO A MINIMUM HEIGHT OF 6'-0" (1.8 M) ABOVE FINISHED GRADE AT ALL AREAS ACCESSIBLE TO PEDESTRIAN TRAFFIC AND OTHER AREAS EXPOSED TO ABNORMAL STRESS OR IMPACT
4. JOINTS
a. DESIGN MINIMUM 3/4" WIDE EXPANSION JOINTS IN THE EIFS WHERE THEY EXIST IN THE SUBSTRATE OR SUPPORTING CONSTRUCTION, WHERE THE EIFS ADJOINS DISSIMILAR CONSTRUCTION OR MATERIALS, AT CHANGES IN BUILDING HEIGHT, AND AT FLOOR LINES IN MULTI-LEVEL WOOD FRAME CONSTRUCTION.



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REGISTERED ARCHITECT
DOUGLAS COUPER
STATE OF WASHINGTON
11/14/2022

Bath & Body Works

Three Limited Parkway - Columbus, Ohio 43230
Telephone: 614.415.7000 - Fax: 614.415.7349

104.01.0737.01

BATH & BODY WORKS

SOUTH HILL MALL
SPACE NO. 235
5500 S. MERIDIAN STREET
FALLS CHURCH, VA 98757

PACKAGE: FULL REMODEL
DESIGN TYPE: ES/WBC 2021
BBW PROJECT #: 00116082

SSIS PKG 2
231Sq.00
2022.10.12.0

REVISIONS:

NO.	DESCRIPTION	DATE

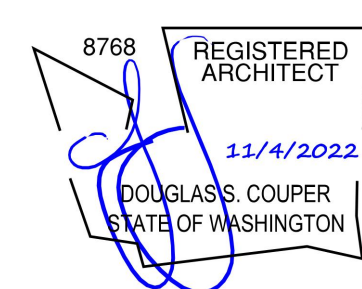
DATE ISSUED: 11/04/2022
DESIGNED BY: TN
DRAWN BY: DH
CHECKED BY: PV

SPECIFICATIONS

A15.1



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THESE DRAWINGS AND SPECIFICATIONS ARE PREPARED FOR USE ON A SPECIFIC SITE. ANY CHANGES OR MODIFICATIONS TO THESE DRAWINGS AND SPECIFICATIONS MUST BE APPROVED BY THE ARCHITECT. THE ARCHITECT'S RESPONSIBILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE PROJECT AS SHOWN ON THESE DRAWINGS AND SPECIFICATIONS. THE ARCHITECT IS NOT RESPONSIBLE FOR THE DESIGN OR CONSTRUCTION OF ANY OTHER WORK NOT SHOWN ON THESE DRAWINGS AND SPECIFICATIONS. THE ARCHITECT'S RESPONSIBILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE PROJECT AS SHOWN ON THESE DRAWINGS AND SPECIFICATIONS. THE ARCHITECT IS NOT RESPONSIBLE FOR THE DESIGN OR CONSTRUCTION OF ANY OTHER WORK NOT SHOWN ON THESE DRAWINGS AND SPECIFICATIONS.

PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
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SPECIFICATIONS
DRAWING NUMBER:
A15.2

3. INDICATED STACKING ARRANGEMENTS AND CLEARANCES.
C. HARDWARE SCHEDULE:
1. SUBMIT HARDWARE SCHEDULE FOR EACH DOOR OPENING.
2. INCLUDE CATALOG CUTS IF NOT SHOWN ON SHOP DRAWINGS.
D. SAMPLES FOR VERIFICATION: FOR EACH EXPOSED COMPONENT INCLUDING HARDWARE, FOR EACH COLOR AND FINISH SELECTED, OF SIZE INDICATED BELOW:
1. GLASS UNITS 12" (300mm) SQUARE
2. EXPOSED RAIL AND TRACK MEMBERS: NOT LESS THAN 6" (150mm) LONG.
3. HARDWARE: ONE OF EACH TYPE OF EXPOSED DOOR HARDWARE ITEMS.

1.5 INFORMATIONAL SUBMITTALS
A. QUALIFICATION DATA FOR QUALIFIED INSTALLER.
B. WARRANTY: SAMPLE OF UNEXCUTTED MANUFACTURER WARRANTY.

1.06 QUALITY ASSURANCE
A. INSTALLER QUALIFICATIONS: EXPERIENCED INSTALLER EQUIPPED AND TRAINED FOR INSTALLATION OF GLASS PANEL PARTITIONS REQUIRED FOR THIS PROJECT WITH RECORD OF SUCCESSFUL COMPLETION OF NOT LESS THAN FIVE PROJECTS OF SIMILAR SCOPE.
B. SINGLE SOURCE RESPONSIBILITY: PROVIDE GLASS PANEL PARTITIONS AND ASSOCIATED HARDWARE BY A SINGLE MANUFACTURER THROUGH A SINGLE SOURCE.
C. * FOR LARGE OR COMPLEX PROJECTS PROVIDE MOCK UPS: PROVIDE MOCKUP CONSISTING OF INITIAL SECTIONS OF TRACKS, FRAMES, AND GLASS PANELS WITH OPERATING DOORS AND HARDWARE, IN LOCATION AS DIRECTED BY ARCHITECT. PROCEED WITH WORK UPON APPROVAL OF MOCKUP BY ARCHITECT.

1.07 WARRANTY
A. SPECIAL MANUFACTURER'S WARRANTY: STANDARD FORM IN WHICH MANUFACTURER OFFERS TO REPAIR OR REPLACE COMPONENTS OF GLASS PANEL PARTITIONS THAT DEMONSTRATE DETERIORATION OR FAULTY OPERATION DUE TO DEFECTS IN MATERIALS OR WORKMANSHIP UNDER NORMAL USE WITHIN WARRANTY PERIOD SPECIFIED.
1. WARRANTY PERIOD: (TWO) YEARS DATE OF SUBSTANTIAL COMPLETION.

PART 2 - PRODUCTS

2.01 MANUFACTURERS
A. BASIS-OF-DESIGN PRODUCT: PROVIDE SLIDING GLASS PANEL PARTITIONS MANUFACTURED BY DORMA USA, INC., SUPPLIED BY INFINITY;
PH: (813) 388-0301
EMAIL: KBLA@INFINITY-AP.COM
WEBSITE: HTTP://INFINITY-AP.NET/
B. SOURCE LIMITATIONS: OBTAIN GLASS PANEL PARTITION COMPONENTS THROUGH ONE SOURCE FROM A SINGLE MANUFACTURER.

2.02 PERFORMANCE REQUIREMENTS
A. ACCESSIBILITY STANDARD: COMPLY WITH APPLICABLE PROVISIONS IN ADA-ABA ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES, ICC A117.1, AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.

2.03 GLASS PANEL PARTITIONS
A. HORIZONTAL SLIDING GLASS PANEL PARTITIONS: FULLY-GLAZED, TOP-HUNG STACKABLE SLIDING GLASS PANEL PARTITION WITHOUT FLOOR TRACK, WITH TOP AND BOTTOM DOOR ASSEMBLY RAILS AND BUTT-FITTED DRS BETWEEN PANELS, AND EQUIPPED WITH (SKINNING) LAND (SLIDING) DOOR PANELS WHERE INDICATED.
DORMA HSM-DRS IS A PREMIER LINE CUSTOM MODEL USING FRAMELESS 3/8" OR 1/2" THICK TEMPERED GLASS WITH 3.625" (92mm) TOP RAILS AND 3.625" (92mm) HIGH BOTTOM RAILS
1. BASIS OF DESIGN: DORMA-GLAS HORIZONTAL SLIDING WALL (HSM-DRS)
2. STACKING ARRANGEMENTS: AS INDICATED ON DRAWINGS.
3. STACKING OPERATIONS: MANUAL
4. PARTITION TOP TRACK: 0.236 INCH THICK ALUMINUM EXTRUSION, LOW-PROFILE; DESIGNED FOR OPERATION, SIZE, AND WEIGHT OF GLASS PANEL DOOR, WITH FACTORY-FINISHED HEAD CLOSURE TRIM AND SEALS.
5. TRACK MOUNTING: CEILING (RECESSED-MOUNTED)
5. SLIDING PANEL CARRIERS: CENTER-MOUNTED, SELF-BALANCING TROLLEY SYSTEM DESIGNED FOR OPERATION, SIZE, AND WEIGHT OF GLASS PANEL DOOR CONSISTING OF STAINLESS STEEL COMPONENTS WITH VINYL ROLLER SURFACES.
B. RAIL FITTINGS, GENERAL: ALL-GLASS CLAMPING FITTINGS IN TYPES, SIZES, QUANTITIES, AND MOUNTING LOCATIONS RECOMMENDED BY MANUFACTURER FOR GLASS DOOR TYPES, SIZES, AND OPERATION AND GLASS PANEL CONFIGURATIONS.
1. RAIL CONFIGURATION:
a. BASIS OF DESIGN: DORMA DRS RAILS
b. TOP RAIL: 3 5/8" (92mm)
1) PROFILE: (TAPERED)
2) HARDWARE: WITH MANUFACTURER'S STANDARD PIVOT WHERE INDICATED ON DRAWINGS.
c. BOTTOM RAIL: 3 5/8" (92mm)
1) PROFILE: (TAPERED)
2) WITH MANUFACTURER'S STANDARD PIVOT [AND SLIDE BOLT] [AND DEADLOCK] WHERE INDICATED ON DRAWINGS.
2. RAIL CAPS: FORMED METAL SNAP-ON FACE AND END CAPS, MATERIAL AND FINISH AS FOLLOWS:
a. ALUMINUM: (SEE DOOR SCHEDULE)
3. LOCKING SYSTEM: MOUNTED ON BOTTOM RAIL, ENGAGED BY USE OF INTERLOCKING FLOOR BOLT
a. NORTH LOCK: BRASS, IN POSITION INDICATED, WITH ROUND BOLT ENGAGING DUSTPROOF FLOOR STRIKE, (WITH CYLINDER) (WITH THUMBTURN).
C. FRAMED PANEL STILES: REFER TO DOOR SCHEDULE
D. PARTITION SUBSTRUCTURE: MODULAR EXTRUDED ALUMINUM I-BEAM WITH ASSOCIATED THREADED ROD, STRUTS, BRACKETS, PLATES, AND FASTENERS DESIGNED FOR CONTINUOUS SUPPORT OF TRACK AND PARTITION TOP TRACK AND ADJUSTABLE FOLLOWING INSTALLATION OF PARTITION TO MAINTAIN PARTITION WITHIN OPERATING TOLERANCES SPECIFIED BY MANUFACTURER.

2.04 PIVOTING PANELS
A. ACCESSIBILITY STANDARD: COMPLY WITH APPLICABLE PROVISIONS IN ADA-ABA ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES, ICC A117.1, AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
B. PIVOTING FIXED END PANEL: SINGLE OR PAIRED GLASS PANEL MATCHING PARTITION PANEL MATERIAL AND THICKNESS, SIZE AND SWING AS INDICATED ON DRAWINGS.

2.05 MATERIALS
A. ALUMINUM: ASTM B221 (ASTM B221M), WITH STRENGTH AND DURABILITY CHARACTERISTICS OF NOT LESS THAN ALLOY 6063-T5.
B. STAINLESS STEEL: ASTM A466, TYPE 304.

2.06 FINISHES
A. STAINLESS STEEL FINISHES:
1. No. 4 DIRECTIONAL SATIN FINISH.

2.07 HARDWARE:
A. CONCEALED TRANSOM CLOSERS AND BOTTOM PIVOTS: CENTER HUNG; BHM4 A156.4, GRADE I, PROVIDE HOUSINGS, ARMS, MOUNTING BRACKETS, FLOOR PIVOT SET, AND ACCESSORIES.
1. BASIS OF DESIGN: DORMA, RT865 SERIES TRANSOM DOOR CLOSER.
2. SWING: SINGLE OR DOUBLE ACTING AS INDICATED ON DRAWINGS, WITH ADJUSTABLE CUSHIONED STOP (AND POSITIVE DEAD STOP), (AND HOLD OPEN).
3. OPENING FORCE: COMPLY WITH INTERIOR DOOR OPERATING FORCE OF AUTHORITIES HAVING JURISDICTION FOR ACCESSIBILITY REQUIREMENTS AND EGRESS DOORS.
B. CONCEALED FLOOR CLOSERS AND TOP PIVOTS: CENTER HUNG BHM4 A156.4, GRADE I, PROVIDE HOUSINGS, ARMS, BOTTOM INSERT, MOUNTING BRACKETS, COVER PLATES, AND ACCESSORIES.
1. BASIS OF DESIGN: DORMA, (BTS75 SERIES) (BTS80 SERIES) FLOOR CONCEALED DOOR CLOSERS.
2. SWING: SINGLE OR DOUBLE ACTING AS INDICATED ON DRAWINGS (AND POSITIVE DEAD STOP), (AND FID HOLD-OPEN).
3. OPENING FORCE: COMPLY WITH INTERIOR DOOR OPERATING FORCE OF AUTHORITIES HAVING JURISDICTION FOR ACCESSIBILITY REQUIREMENTS AND EGRESS DOORS.
C. PULLS AND HANDLES:
1. CRL BRUSHED NICKEL FRAMELESS SLIDING GLASS DOOR HANDLE, 836BN.
D. LOCK CYLINDERS: TUMBLER TYPE, CONSTRUCTED FROM BRASS OR BRONZE, STAINLESS STEEL OR NICKEL SILVER; BHM4 A156.5, GRADE I, PERMANENT REMOVABLE CORES; WITH FACE FINISH MATCHING LOCKSET (KEYED TO MASTER KEY SYSTEM).
E. LOCK CYLINDERS: AS SPECIFIED IN SECTION 08 71 00 "DOOR HARDWARE"
1. CRL BRUSHED NICKEL (BRL) OR FIVE-PIN CORROSION RESISTANT (BRASS) (NICKEL) FINISH, ANTI-PICK, FUNCTION AS SELECTED BY ARCHITECT (KEYED TO MASTER KEY SYSTEM).
1. BASIS OF DESIGN: DORMA, EUROPROFILE DEC 150.
G. WEATHER STRIPPING: (LPE) (BRUSH) TYPE; REPLACEABLE WITHOUT REMOVING DOOR PANELS FROM PIVOTS.

2.08 GLASS PANELS
A. GLASS PANELS, GENERAL: PROVIDE GLASS PANELS THAT COMPLY WITH 16 CFR 1201, CATEGORY II REQUIREMENTS FOR SAFETY GLAZING. PERMANENTLY MARK GLAZING WITH CERTIFICATION LABEL OF THE SGCC.
1. GLASS AND DOOR PANEL THICKNESS: THICKNESS REQUIRED FOR SIZE OF PANEL BASED UPON MANUFACTURER'S WRITTEN RECOMMENDATIONS, BUT NOT LESS THAN 1/2".
B. FULLY TEMPERED CLEAR FLOAT GLASS (IGL-G): ASTM C1048, KIND F, CONDITION A, TYPE I, CLASS I, QUALITY-03; THICKNESS 10(1mm) (3/8").

J. PREPARATION: CLEAN JOINT SURFACES IMMEDIATELY BEFORE INSTALLATION OF JOINT SEALER, AND PRIME OR SEAL JOINT SURFACES AS RECOMMENDED BY MANUFACTURER.

K. INSTALLATION: COMPLY WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS AND ASTM C1048.
1. EMPLOY INSTALLATION TECHNIQUES WHICH WILL ENSURE JOINT SEALERS ARE DEPOSITED IN UNIFORM, CONTINUOUS BEADINGS WITHOUT GAPS OR AIR POCKETS, WITH COMPLETE "WETTING" OF BOND SURFACES.

DIVISION 08 - DOORS AND WINDOWS

SECTION 08100 - METAL DOORS AND FRAMES

A. GENERAL: PROVIDE STEEL DOORS AND FRAMES AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION. COORDINATE WITH SECTION 08700 - HARDWARE.

B. STANDARDS: COMPLY WITH STEEL DOOR INSTITUTE "STANDARD STEEL DOORS AND FRAMES OR NAAMM HOLLOW METAL MANUFACTURER'S ASSOCIATION "HOLLOW METAL MANUAL".
1. FIRE RATED STANDARDS: FURNISH MATERIALS TESTED, LABELED AND INSPECTED BY UL, HARNOCK HERESTY, OR TESTING AGENCY ACCEPTABLE TO APPLICABLE AUTHORITIES.
C. SUBMITTALS: SUBMIT PRODUCT DATA.
D. MANUFACTURERS: AMINELD, CECO, PIONEER, OR APPROVED EQUAL.
E. HOLLOW METAL DOORS: FLUSH HOLLOW METAL DOORS FULL FLUSH TYPE; SDI MODEL I, NAAMM TYPE B FULL FLUSH WITH UNFILLED EDGE; CLOSE TOP AT EXTERIOR DOORS.
1. CORE: PROVIDE STEEL STIFFENED CORE; INSULATED AT EXTERIOR DOORS.
2. GAGE: PROVIDE MINIMUM 18 GAGE AT INTERIOR DOORS, MINIMUM 16 GAGE AT EXTERIOR DOORS.
F. PRESSED STEEL (HOLLOW METAL) FRAMES, MINIMUM 16 GAGE KNOCKDOWN (FIELD-ASSEMBLED) FRAMES.
G. FIRE RATED UNITS: CONFORM TO NFPA 80; PROVIDE UL OR HARNOCK HERESTY LABELED DOORS AND FRAMES AS REQUIRED.
H. ACCESSORIES: PROVIDE DOOR SILENCERS, ANCHORS, AND ACCESSORIES.
I. FABRICATION: CONFORM TO REQUIREMENTS OF SDI OR NAAMM.
1. DOOR SILENCERS: PLACE MINIMUM THREE SINGLE BUMPERS ON SINGLE DOOR FRAMES, SPACE EQUALLY ALONG STRIKE JAMBS; PLACE TWO SINGLE BUMPERS ON DOUBLE DOOR FRAME HEADS.
J. FINISH: PRIME PAINT INTERIOR UNITS; GALVANIZE AND PRIME PAINT EXTERIOR UNITS; MINIMUM A60 GALVANIZING; CLEAN, DEGREASE AND FACTORY PRIME PAINT.
K. INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS AND EITHER SDI OR NAAMM STANDARDS.
1. INSTALL FIRE RATED UNITS IN CONFORMANCE WITH FIRE LABEL REQUIREMENTS
2. INSTALL DOORS AND FRAMES PLUMB AND SQUARE, AND WITH MAXIMUM DIAGONAL DISTORTION OF 1/16".

SECTION 08140 - WOOD DOORS

A. GENERAL: INSTALL WOOD DOORS AND WOOD DOOR FRAMES AS REQUIRED FOR COMPLETE INSTALLATION; COORDINATE WITH HARDWARE IN SECTION 08700.
B. STANDARDS: COMPLY WITH NATIONAL WOOD WINDOW AND DOOR ASSOCIATION (NWDIA) INDUSTRY STANDARDS FOR WOOD DOORS.
C. PROJECT CONDITIONS: DO NOT DELIVER OR INSTALL DOORS UNTIL CONDITIONS FOR TEMPERATURE AND RELATIVE HUMIDITY HAVE BEEN STABILIZED IN ACCORDANCE WITH REFERENCED STANDARDS REQUIREMENTS APPLICABLE TO PROJECT LOCATION.
D. WARRANTY: PROVIDE FOR REBANDING WOOD DOORS EXHIBITING DEFECTS IN WORKMANSHIP.
E. INSTALLATION: INSTALL WOOD DOORS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS, AND REFERENCE STANDARDS, PLUMB AND SQUARE, AND WITH MAXIMUM DIAGONAL DISTORTION OF 1/16".
F. PROTECTION: PROTECT DOORS AS RECOMMENDED BY DOOR MANUFACTURER TO ENSURE DOORS ARE WITHOUT DAMAGE AT TIME OF SUBSTANTIAL COMPLETION.

SECTION 08300 - ACCESS DOORS AND PANELS

A. GENERAL: PROVIDE ACCESS DOORS AS REQUIRED FOR ACCESS TO VALVES AND CONTROLS LOCATED BEHIND FINISHED WALLS AND CEILINGS NOT OTHERWISE ACCESSIBLE, WITH ACCESSORIES FOR COMPLETE INSTALLATION.
1. COORDINATE WITH VARIOUS TRADES FOR CONTROLS AND VALVES WHICH MAY BE CONCEALED.
B. SUBMITTALS: FURNISH PRODUCT DATA FOR EACH TYPE OF ACCESS DOOR AND PANEL.
C. MANUFACTURERS: STEALTH, AVAILABLE THROUGH MDI SUPPLY (888-634-3667) AND SEVERAL OTHER SUPPLIERS; KARP ASSOCIATES INC., MASPETH, N.Y. (718-784-2105)
1. SALES AREA (NON-RATED): STEALTH DROP-IN STYLE CEILING ACCESS PANEL WITH ROUNDED CORNERS, SEE CEILING PLAN FOR SIZES AND LOCATIONS.
2. SALES AREA (RATED): KARP MODEL #KATP PRIME COATED STEEL WITH STAINLESS STEEL GATE LATCH ON RECESSED DOOR. SEE CEILING PLAN FOR SIZES AND LOCATIONS.
3. NON-SALES AREA (NON-RATED): KARP MODEL #DSC-214M, PRIME COATED STEEL WITH STUD LATCH. SEE CEILING PLAN FOR SIZES AND LOCATIONS.
4. A NON-SALES AREA (RATED): KARP MODEL #KRP-150FR PRIME COATED STEEL WITH RING TURN LATCH. SEE CEILING PLAN FOR SIZES AND LOCATIONS.
F. INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS AND APPLICABLE REQUIREMENTS FOR FIRE RATINGS.
1. SET FRAMES ACCURATELY IN POSITION AND SECURELY ATTACH TO SUPPORTS WITH FACE PANELS PLUMB OR LEVEL IN RELATION TO ADJACENT FINISH SURFACES.
2. ADJUST HARDWARE AND DOORS AFTER INSTALLATION FOR PROPER OPERATION.
3. REMOVE AND REPLACE DOORS OR FRAMES WHICH ARE WARPED, BOWED OR OTHERWISE DAMAGED.

SECTION 08320 - SLIDING AND STACKING GLASS DOOR SYSTEMS

PART 1 - GENERAL
1.00 SECTION INCLUDES
A. SLIDING FRAMELESS GLASS PANEL PARTITIONS (INTERIOR ONLY)

1.01 RELATED REQUIREMENTS
A. SECTION 05 50 00 - METAL FABRICATIONS; FOR OVERHEAD SUPPORTS THAT ATTACH GLASS PANEL PARTITION TRACKS TO STRUCTURE, NOT SPECIFIED IN THIS SECTION.

1.02 REFERENCE STANDARDS
A. AAMA 611 - VOLUNTARY SPECIFICATION FOR ANODIZED ARCHITECTURAL ALUMINUM
B. ASTM INTERNATIONAL
1. ASTM A466 STANDARD SPECIFICATION FOR ANNEALED OR COLD-WORKED AUSTENITIC STAINLESS STEEL SHEET, STRIP, PLATE, AND FLAT BAR
2. ASTM B221/ASTM B221M STANDARD SPECIFICATION FOR ALUMINUM AND ALUMINUM-ALLOY EXTRUDED BARS, RODS, WIRE, PROFILES, AND TUBES.
3. ASTM C1048 STANDARD SPECIFICATION FOR HEAT-STRENGTHENED AND FULLY TEMPERED FLAT GLASS.
4. ASTM C1172 STANDARD SPECIFICATION FOR LAMINATED ARCHITECTURAL FLAT GLASS.
C. BUILDERS HARDWARE MANUFACTURERS ASSOCIATION (BHMA).
1. ANSIBHM SERIES
D. CODE OF FEDERAL REGULATIONS
1. 16 CFR 1201 SAFETY STANDARD FOR ARCHITECTURAL GLAZING MATERIALS
E. INTERNATIONAL CODE COUNCIL (ICC).
1. ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES (ANSI)
F. U.S. ARCHITECTURAL & TRANSPORTATION BARRIERS COMPLIANCE BOARD.
1. AMERICANS WITH DISABILITIES ACT (ADA) AND ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY GUIDELINES FOR BUILDING AND FACILITIES

1.03 ADMINISTRATIVE REQUIREMENTS
A. COORDINATION
1. COORDINATE INSTALLATION OF GLASS PANEL PARTITIONS WITH INSTALLATION OF FLOOR, WALL, AND CEILING CONSTRUCTION TO COMPLY WITH SUBSTRATE TOLERANCE REQUIREMENTS OF PARTITION MANUFACTURER.
2. COORDINATE INSTALLATION OF ANCHORS AND SECONDARY STRUCTURAL MEMBERS INDICATED ON APPROVED GLASS PANEL PARTITION SHOP DRAWINGS AND SPECIFIED IN OTHER SECTIONS.

1.04 ACTION SUBMITTALS
A. PRODUCT DATA: FOR EACH GLASS PANEL PARTITION AND DOOR COMPONENT SPECIFIED, INCLUDING:
1. GLASS PANELS
2. RAIL
3. DOOR HARDWARE AND ACCESSORIES
B. SHOP DRAWINGS: FOR FIXED GLASS PANEL PARTITIONS:
1. INCLUDE PLANS, ELEVATIONS, SECTIONS, AND DETAILS. PROVIDE NUMBERED PANEL INSTALLATION SEQUENCE.
2. SHOW LOCATIONS AND REQUIREMENTS FOR TRACKS, BRACING, BLOCKING, AND ATTACHMENTS TO OTHER WORK.

B. STANDARDS: CONFORM TO SMACNA "ARCHITECTURAL SHEET METAL MANUAL" REQUIREMENTS FOR FLASHING AND SHEET METAL.
C. DESIGN REQUIREMENTS: ALLOW FOR MOVEMENT OF COMPONENTS WITHOUT CAUSING BUCKLING, FAILURE OF JOINT SEALS, UNDUCE STRESS ON FASTENERS OR OTHER DETRIMENTAL EFFECTS, (WHEN SUBJECT TO 100 YEAR SEASONAL TEMPERATURE RANGES.
D. SUBMITTALS: FURNISH PRODUCT DATA FOR MANUFACTURED PRODUCTS.
E. WARRANTY: MAINTAIN ALL EXISTING WARRANTIES. CORRECT FAILURE OF METAL FLASHING SYSTEM TO RESIST PENETRATION OF WATER AND DAMAGE FROM WIND, WARRANTY PERIOD TWO YEARS.
F. FLASHING AND SHEET METAL: MATCH EXISTING, BUT NOT LESS THAT FOLLOWING.
1. GALVANIZED METAL FLASHING: ASTM A526 GALVANIZED STEEL WITH MINIMUM 0.02 AND WITH MINIMUM G90 GALVANIZED COATING; MINIMUM 24 GAGE.
2. PREFINISHED METAL FLASHING: 24 GAGE GALVANIZED STEEL WITH FACTORY FINISHED KYNAR 500 TYPE FLUOROPOLYMER COATING AND STRIPABLE PROTECTIVE FILM; COLOR AS SELECTED FROM MANUFACTURER'S FULL RANGE OF COLORS.
3. ALUMINUM FLASHING: ASTM B209, ALLOY AS REQUIRED TO MATCH FINISH SPECIFIED FOR OTHER ALUMINUM COMPONENTS; THICKNESS MINIMUM 0.050" AT FLASHING.
4. STAINLESS STEEL SHEET METAL: ASTM A466, 2D ANNEALED FINISH, SOFT TEMPER EXCEPT WHERE HARDER TEMPER IS REQUIRED FOR FORMING OR PERFORMANCE; 0.016" (28 GAGE) TYPICAL.
5. COPPER SHEET METAL: ASTM B370, COLD ROLLED 16 OZ. (0.0216") THICK; SOFT TEMPER WHERE REQUIRED FOR FORMING.
G. REGLETS: FRY/SPRINGLOK OR MM SYSTEMS/SNAP-TITE REGLETS, FABRICATED OF SAME METAL AS ADJACENT FLASHING AND SHEET METAL.
H. METAL TO METAL SEALANT: BUTYL TYPE: NON-STAINING, NON-CORROSIVE, NON-SHRINKING, NON-SAGGING, ULTRAVIOLET AND OZONE RESISTANT.
I. INSTALLATION: COMPLY WITH SMACNA MANUAL
1. INSTALL METAL FLASHING AND SHEET METAL IN ACCORDANCE WITH SMACNA "ARCHITECTURAL SHEET METAL MANUAL" TIGHT IN PLACE, WITH CORNER SQUARE, SURFACES TRUE AND STRAIGHT IN PLANES, AND LINES ACCURATE TO PROFILES AS INDICATED ON DRAWINGS.
2. INSTALL SEALANT WHERE REQUIRED TO PREVENT DIRECT WEATHER PENETRATION
3. COMPLETED INSTALLATION SHALL BE FREE OF RATTLES, NOISE DUE TO THERMAL AND AIR MOVEMENT, AND WIND WHISTLES.
SECTION 07810 - APPLIED FIREPROOFING
A. GENERAL: PATCH EXISTING FIREPROOFING AS REQUIRED BY APPLICABLE CODES FOR CONSTRUCTION TYPE, NO ASBESTOS PERMITTED.
B. DESIGN REQUIREMENTS: PROVIDE MATERIALS CAPABLE OF ATTAINING FIRE RATINGS AS REQUIRED FOR TYPE I, FIRE RESISTIVE CONSTRUCTION.
C. PERFORMANCE REQUIREMENTS: PROVIDE MATERIALS LISTED BY UL OR INDEPENDENT TESTING AND INSPECTION AGENCY ACCEPTABLE TO APPLICABLE AUTHORITIES.
1. FIRE RESISTANCE RATINGS: COMPLY WITH REQUIRED RATINGS BASED
2. SURFACE BURNING CHARACTERISTICS: MAXIMUM 25 FLAME SPREAD AND 25 SMOKE DENSITY WHEN TESTED IN ACCORDANCE WITH ASTM E84.
D. CERTIFICATE: SUBMIT MANUFACTURER CERTIFICATION INDICATING APPLICATOR ACCEPTABILITY AND MATERIAL COMPLIANT WITH APPLICABLE CODES AND CONTRACT DOCUMENTS.
1. CERTIFICATION SHALL INDICATE NEW MATERIALS USED TO PATCH EXISTING FIREPROOFED MEMBERS AT NEW AND EXISTING WORK ARE COMPATIBLE WITH EXISTING FIREPROOFING MATERIALS AND MEET ALL PERFORMANCE REQUIREMENTS.
E. QUALIFICATION OF APPLICATOR: FIRM ACCEPTABLE TO MANUFACTURER OF FIREPROOFING MATERIALS WITH MINIMUM FIVE YEARS SUCCESSFUL EXPERIENCE ON PROJECTS OF SIMILAR SCOPE.
F. MANUFACTURERS/PRODUCTS: MATCH EXISTING BUT NOT LESS THAN W.R. GRACE/MONOKOTE OR ALBI MANUFACTURING DIVISION STANHEM/DURASPRAY.
G. INSTALLATION: INSTALL IN ACCORDANCE MANUFACTURER RECOMMENDATIONS AND FIRE TEST RESULTS AS REQUIRED TO PROVIDE REQUIRED FIRE RATINGS.
1. PROTECT ADJACENT SURFACES AND EQUIPMENT FROM DAMAGE BY OVER SPRAY, FALLOUT, AND DUSTING; MASK ADJACENT WORK AS REQUIRED. CLOSE OFF AND SEAL DUCT WORK IN AREAS WHERE FIREPROOFING IS BEING APPLIED.
2. CLEAN SUBSTRATE OF DIRT, DUST, GREASE, OIL, LOOSE MATERIAL, PAINTS, PRIMERS, AND OTHER MATTER WHICH AFFECTS BOND OF SPRAYED FIREPROOFING.
3. APPLY FIREPROOFING IN SUFFICIENT THICKNESS AND DENSITY TO ACHIEVE REQUIRED FIRE RATINGS.
4. APPLY FIREPROOFING OVER SUBSTRATE, BUILDING TO REQUIRED THICKNESS WITH AS MANY PASSES OR STAGES NECESSARY TO COVER WITH MONOLITHIC BLANKET OF UNIFORM DENSITY AND TEXTURE.
SECTION 07840 - FIRE STOPPING
A. GENERAL: PROVIDE PENETRATION-TYPE FIRE STOPPING FOR TIME-RATED FLOOR, WALL AND PARTITION ASSEMBLIES CAPABLE OF PREVENTING PASSAGE OF FLAME, SMOKE AND HOT GASES.
B. CODES: CONFORM TO APPLICABLE CODE REQUIREMENTS FOR BOTH F AND T RATINGS.
C. STANDARDS: PASS ASTM E84 THROUGH-PENETRATION FIRE STOP, ASTM E119 FIRE TESTS AND ASTM E84 FLAME SPREAD/SMOKE CONSTRUCTION MAXIMUM 25/25.
D. SUBMITTALS: FURNISH SHOP DRAWINGS, PRODUCT DATA, AND CERTIFICATES OF COMPLIANCE WITH CONTRACT DOCUMENTS, AND APPLICABLE CODES.
E. MANUFACTURERS: 3M/FIRE BARRIER, STI/SPECSAL OR PENSL, OR HILTI/FIRESTOP SYSTEMS.
F. GENERAL: CHOOSE PRODUCTS AND METHODS MEETING APPLICABLE CODES AND SPECIFICATION REQUIREMENTS FOR EACH FIRE STOPPING APPLICATION, SUBJECT TO OWNER'S PROJECT MANAGER'S ACCEPTANCE.
G. FIRE STOPPING MATERIALS: FURNISH MATERIALS FOR PENETRATIONS IN TIME-RATED FLOOR, WALL, AND PARTITION ASSEMBLIES CAPABLE OF PREVENTING PASSAGE OF FLAME, SMOKE, AND HOT GASES.
1. PENETRATION TEST: FURNISH MATERIALS PASSING ASTM E814 FOR PENETRATION FIRE STOPPING INDICATING MAINTENANCE OF TIME-RATED ADJACENT ASSEMBLIES.
2. FIRE STOPPING: MAINTAIN FIRE RATING OF ASSEMBLY IN WHICH FIRE STOPPING IS INSTALLED, SUCH AS FLOOR, PARTITION, OR WALL, IN ACCORDANCE WITH ASTM E119 TEST.
H. INSTALLATION: INSTALL IN ACCORDANCE MANUFACTURER RECOMMENDATIONS AND FIRE TEST RESULTS AS REQUIRED TO PROVIDE REQUIRED FIRE RATINGS.
1. FIELD INSPECTIONS: MAINTAIN COPY OF MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS AT EACH WORK AREA.
SECTION 07920 - JOINT SEALERS
A. GENERAL: PROVIDE EXTERIOR AND INTERIOR JOINT SEALERS NOT PROVIDED ELSEWHERE; TYPE SUITABLE FOR APPLICATION INDICATED WITH ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.
1. ANSIBHM SERIES
D. CODE OF FEDERAL REGULATIONS
1. 16 CFR 1201 SAFETY STANDARD FOR ARCHITECTURAL GLAZING MATERIALS
E. INTERNATIONAL CODE COUNCIL (ICC).
1. ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES (ANSI)
F. U.S. ARCHITECTURAL & TRANSPORTATION BARRIERS COMPLIANCE BOARD.
1. AMERICANS WITH DISABILITIES ACT (ADA) AND ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY GUIDELINES FOR BUILDING AND FACILITIES
D. EXTERIOR NON-TRAFFIC JOINTS: GE/SILPRUF, DOW/790-795, OR PECORA/854, LOW MODULES SILICONE SEALANT.
E. TRAFFIC BEARING JOINTS: MAMECO/VULKEM 245, OR PECORA/NR-200 UREXPAN, MULTI-COMPONENT POLYURETHANE, SELF-LEVELING JOINT SEALER.
F. MILDEW-RESISTANT SANITARY SEALANTS: GE/SANITARY SEALANT, DOW/BATHUTUB CAULK, OR PECORA/863 #346 WHITE; PROVIDE AT INTERIOR AREAS WHERE SEALANT WILL BE EXPOSED TO WATER.
G. GENERAL INTERIOR JOINT SEALER: PECORA/AC-20 OR SONNEBORN/SONOLAC, ACRYLIC OR LATEX EMULSION.
H. MISCELLANEOUS MATERIALS: PRIMERS, SEALERS, JOINT CLEANERS, BOND BREAKER TAPE, AND SEALANT BACKER RODS AS RECOMMENDED BY SEALANT MANUFACTURER FOR APPLICATIONS INDICATED.
I. COLORS: AS INDICATED OR AS SELECTED BY OWNER'S PROJECT MANAGER FROM MANUFACTURER'S FULL RANGER OF COLORS.

2. INTERMEDIATE MESH (ABOVE 6'-0")
b. STO INTERMEDIATE MESH: NOMINAL 11 OZ./YD2 INTERWOVEN, OPEN WEAVE GLASS FIBER FABRIC WITH ALKALINE RESISTANT COATING FOR COMPATIBILITY WITH STO MATERIALS.
2.07 PRIMER
1. STO PRIMER ACRYLIC BASED TINTED PRIMER.
2.08 FINISH COAT
1. STOLIT: .75 FREEFORM ACRYLIC BASED TEXTURED WALL COATING WITH GRADED MARBLE APPEARANCE. CUSTOM FINISH AS INDICATED ON STOREFRONT DRAWINGS (A08 SERIES).
2.09 MIXED INGREDIENTS
1. WATER: CLEAN AND POTABLE.
2. PORTLAND CEMENT: TYPE I IN CONFORMANCE WITH ASTM C 150.
2.10 ACCESSORIES
1. STARTER TRACK RIGID PVC (POLYVINYL CHLORIDE) PLASTIC TRACK PART NO. STDE AS FURNISHED BY PLASTIC COMPONENTS, INC., 4051 NW 47TH TERRACE, MIAMI, FLORIDA 33178 (1-800-327-7007).
2.11 MIXING
1. STO PLEX W: ADD WATER AS DIRECTED ON LABELING.
2. STO LEVELER: MIX RATIO WITH WATER 6-7 QUARTS (5.7-6.6 L) OF CLEAN WATER PER 60 POUND (27.3 KG) BAG OF STO LEVELER. POUR WATER INTO A CLEAN MIXING PAIL. ADD STO LEVELER, MIX TO A UNIFORM CONSISTENCY AND ALLOW TO SET FOR APPROXIMATELY 5 MINUTES. ADJUST MIX IF NECESSARY WITH ADDITIONAL STO LEVELER OR WATER AND REMIX TO A UNIFORM TROWEL CONSISTENCY. AVOID RETEMPERING. KEEP MIX RATIO CONSISTENT. DO NOT EXCEED TROWEL WATER AMOUNT IN MIX RATIO.
3. STO RFP: MIX WITH A CLEAN, RUST-FREE HIGH SPEED MIXER TO A UNIFORM CONSISTENCY.
4. STO FLEXLY: MIX RATIO WITH PORTLAND CEMENT: 1:1 RATIO BY WEIGHT. POUR STO FLEXLY INTO A CLEAN MIXING PAIL. ADD PORTLAND CEMENT, MIX TO A UNIFORM CONSISTENCY AND ALLOW TO SET FOR APPROXIMATELY FIVE MINUTES. ADJUST MIX IF NECESSARY WITH ADDITIONAL STO FLEXLY AND REMIX TO A UNIFORM TROWEL CONSISTENCY. AVOID RETEMPERING. KEEP MIX RATIO CONSISTENT.
5. STO PRIMER: MIX WITH A CLEAN, RUST-FREE HIGH SPEED MIXER TO A UNIFORM CONSISTENCY.
6. STOLIT: MIX WITH A CLEAN, RUST-FREE HIGH SPEED MIXER TO A UNIFORM CONSISTENCY. A SMALL AMOUNT OF WATER MAY BE ADDED TO ADJUST WORKABILITY. LIMIT ADDITION OF WATER TO AMOUNT NEEDED TO ACHIEVE THE FINISH TEXTURE.
7. MIX ONLY AS MUCH MATERIAL AS CAN READILY BE USED.
8. DO NOT USE ANTI-FREEZE COMPOUNDS OR OTHER ADDITIVES.
C. EXECUTION
3.01 ACCEPTABLE INSTALLERS
1. PREGUALLY UNDER QUALITY ASSURANCE REQUIREMENTS OF THIS SPECIFICATION (SECTION 1.07.B).
3.02 EXAMINATION
1. INSPECT SURFACES FOR:
a. CONTAMINATION: ALGAE, CHALKINESS, DIRT, DUST, EFFLORESCENCE, FORM OIL, FUNGUS, GREASE, LAITANCE, MILDEW OR OTHER FOREIGN SUBSTANCES.
b. SURFACE ABSORPTION AND CHALKINESS.
c. CRACKS: MEASURE CRACK WIDTH AND RECORD LOCATION OF CRACKS.
d. DAMAGE AND DETERIORATION.
e. MOISTURE CONTENT AND MOISTURE DAMAGE: USE A MOISTURE METER TO DETERMINE IF THE SURFACE IS DRY ENOUGH TO RECEIVE THE EIFS AND RECORD ANY AREAS OF MOISTURE DAMAGE.
f. COMPLIANCE WITH SPECIFICATION TOLERANCES: RECORD AREAS THAT ARE OUT OF TOLERANCE (GREATER THAN 1/4" IN 8'-0" DEVIATION IN PLANE).
3. REPORT DEVIATIONS FROM THE REQUIREMENTS OF PROJECT SPECIFICATIONS OR OTHER CONDITIONS THAT MIGHT ADVERSELY AFFECT THE EIFS INSTALLATION TO THE GENERAL CONTRACTOR. DO NOT START WORK UNTIL DEVIATIONS ARE CORRECTED.
3.03 SURFACE PREPARATION
1. REMOVE SURFACE CONTAMINANTS ON CONCRETE AND CONCRETE MASONRY SURFACES (REFER TO ASTM D 4258 AND D 4261).
2. APPLY CONDITIONER BY SPRAYER OR ROLLER TO CHALKING OR EXCESSIVELY ABSORPTIVE SURFACES.
3. REPLACE WEATHER-DAMAGED SHEATHING AND REPAIR DAMAGED OR CRACKED SURFACES.
4. LEVEL SURFACES TO COMPLY WITH REQUIRED TOLERANCES.
3.04 INSTALLATION
1. INSTALL EIFS IN COMPLIANCE WITH MANUFACTURER'S PUBLISHED INSTRUCTIONS (SEE ADDENDUM).
3.05 PROTECTION
1. PROVIDE PROTECTION OF INSTALLED MATERIALS FROM WATER INFILTRATION INTO OR BEHIND THEM.
2. PROVIDE PROTECTION OF INSTALLED MATERIALS FROM DUST, DIRT, PRECIPITATION, FREEZING AND CONTINUOUS HIGH HUMIDITY UNTIL THEY ARE FULLY DRY.
SECTION 07900 - ROOF REPAIRS
1. GENERAL: REPAIR EXISTING ROOFING SYSTEMS AS REQUIRED FOR NEW CONSTRUCTION, WITH COMPONENTS AND ACCESSORIES AS REQUIRED FOR COMPLETE WEATHER TIGHT INSTALLATION.
2. STANDARDS: CONFORM TO NATIONAL ROOFING CONTRACTOR'S ASSOCIATION ROOFING AND WATERPROOFING MANUAL, 4TH OR 5TH EDITION.
3. WARRANTY: MAINTAIN ALL EXISTING WARRANTIES. PROVIDE FOR CORRECTING FAILURE OF ROOF REPAIRS TO RESIST PENETRATION OF WATER AND DAMAGE FROM WIND; WARRANTY PERIOD TWO YEARS.
4. ROOFING SYSTEM: MATCH EXISTING ROOFING, NO SUBSTITUTIONS PERMITTED; PROVIDE MATERIALS CAPABLE OF MAINTAINING EXISTING WARRANTIES; CONFORM TO REQUIREMENTS OF NRCA ROOFING MANUAL.
a. SYSTEM PROVIDE COMPLETE SYSTEM WITH ACCESSORIES AS REQUIRED FOR REPAIRS, INCLUDING INSULATION WHERE EXISTING ROOFING IS INSULATED.
5. ROOF SYSTEM REPAIRS: COMPLY WITH MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS AND NRCA RECOMMENDATIONS FOR ROOF TYPE SPECIFIED.
b. REMOVE EXISTING ROOFING AS REQUIRED FOR PROJECT. REMOVE ONLY AS MUCH ROOFING AS CAN BE REPLACED IN SAME DAY UNLESS OTHERWISE APPROVED IN ADVANCE BY OWNER'S PROJECT MANAGER.
c. INSPECT SUBSTRATES AND ROOF DECK TO ENSURE SUBSTRATES AND DECK ARE CLEAN AND SMOOTH, FREE OF DEPRESSIONS, WAVES OR PROJECTS, AND ARE PROPERLY SLOPE TO DRAINS, VALLEYS, OR EAVES.
d. INSULATION APPLICATION: ATTACH INSULATION IN ACCORDANCE WITH INSULATION MANUFACTURER'S INSTRUCTIONS AND NRCA RECOMMENDATIONS FOR INSTALLATION OF INSULATION ON DECK INVOLVED.
e. COMPLY WITH MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF COMPOSITE TYPE BASE, WALL AND FIELDED FLASHING.
f. COORDINATE METAL FLASHING AND COUNTERFLASHING.
g. COORDINATE INSTALLATION OF ROOF DRAINS AND RELATED FLASHING.
h. MOP IN AND SEAL FLASHING AND FLANGES OF ITEMS PROJECTING THROUGH MEMBRANE.
SECTION 07800 - FLASHING AND SHEET METAL
A. GENERAL: PROVIDE FLASHING AND SHEET METAL, REGLETS, AND ACCESSORIES AS REQUIRED FOR ROOF REPAIRS AS REQUIRED FOR COMPLETE, WEATHER TIGHT INSTALLATION.

b. MINIMUM 1/2" WIDE SEALANT JOINTS AT ALL PENETRATIONS THROUGH THE EIFS (WINDOWS, DOORS, ETC.).
c. INSTALL BACKER ROD AND SEALANT THAT HAS BEEN EVALUATED IN ACCORDANCE WITH ASTM C 1382, "TEST METHOD FOR DETERMINING TENSILE ADHESION PROPERTIES OF SEALANTS WHEN USED IN EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS) JOINTS," AND THAT MEETS MINIMUM 50% ELONGATION AFTER CONDITIONING.
d. DESIGN JOINTS WITH SECONDARY MOISTURE PROTECTION AND DRAIN JOINTS TO THE EXTERIOR.
1. TRIM, PROJECTING ARCHITECTURAL FEATURES AND REVEALS
a. ALL TRIM AND PROJECTING ARCHITECTURAL FEATURES MUST HAVE A MINIMUM 1.2 (27") SLOPE ALONG THEIR TOP SURFACE. ALL HORIZONTAL REVEALS MUST HAVE A MINIMUM 1.2 (27") SLOPE ALONG THEIR BOTTOM SURFACE.
6. FIRE PROTECTION
a. DO NO USE FOAM PLASTIC IN EXCESS OF 4 " THICK, WHERE A FIRE-RESISTANCE RATING IS REQUIRED BY CODE USE EIFS OVER RATED ASSEMBLY.
1.04 SUBMITTALS
1. SAMPLES FOR APPROVAL AS DIRECTED BY B2M1 PROJECT MANAGER.
2. PREPARE AND SUBMIT PROJECT-SPECIFIC DETAILS (WHEN REQUIRED BY CONTRACT DOCUMENTS).
1.05 QUALITY ASSURANCE
1. MANUFACTURER REQUIREMENTS
a. MEMBER IN GOOD STANDING OF THE EIFS INDUSTRY MEMBERS ASSOCIATION (EIMA).
b. SYSTEM MANUFACTURER FOR A MINIMUM OF TWENTY (20) YEARS. MANUFACTURING FACILITIES ISO 9002 CERTIFIED.
c. MANUFACTURER'S WALL ASSEMBLY LISTED IN GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL.
2. CONTRACTOR REQUIREMENTS
a. ENGAGED IN APPLICATION OF EIFS FOR A MINIMUM OF THREE (3) YEARS.
b. KNOWLEDGEABLE IN THE PROPER USE AND HANDLING OF STO MATERIALS AND LISTED BY STO AS HAVING ATTENDED STO EIFS CONTINUING EDUCATION.
c. EMPLOY SKILLED MECHANICS WHO ARE EXPERIENCED AND KNOWLEDGEABLE IN EIFS APPLICATION, AND FAMILIAR WITH THE REQUIREMENTS OF THE SPECIFIED WORK.
d. SUCCESSFUL COMPLETION OF MINIMUM OF THREE (3) PROJECTS OF SIMILAR SIZE AND COMPLEXITY TO THE SPECIFIED PROJECT.
e. PROVIDE THE PROPER EQUIPMENT, MANPOWER AND SUPERVISION ON THE JOB SITE TO INSTALL THE SYSTEM IN COMPLIANCE WITH STOS PUBLISHED SPECIFICATIONS AND DETAILS AND THE PROJECT PLANS AND SPECIFICATIONS.
3. INSULATION BOARD MANUFACTURER REQUIREMENTS
a. RECOGNIZED BY STO AS CAPABLE OF PRODUCING INSULATION BOARD TO MEET SYSTEM REQUIREMENTS, AND HOLD A VALID LICENSING AGREEMENT WITH STO.
b. LISTED BY AN APPROVED AGENCY.
c. LABEL INSULATION BOARD WITH INFORMATION REQUIRED BY STO, THE APPROVED LISTING AGENCY AND THE APPLICABLE BUILDING CODE.
1.06 DELIVERY, STORAGE AND HANDLING
1. DELIVER ALL MATERIALS IN THEIR ORIGINAL SEALED CONTAINERS BEARING MANUFACTURER'S NAME AND IDENTIFICATION OF PRODUCT.
2. PROTECT COATINGS (OIL PRODUCTS) FROM FREEZING AND TEMPERATURES IN EXCESS OF 90° STORE AWAY FROM DIRECT SUNLIGHT.
3. PROTECT PORTLAND CEMENT BASED MATERIALS (BAG PRODUCTS) FROM MOISTURE AND HUMIDITY. STORE UNDER COVER OFF THE GROUND IN A DRY LOCATION.
1.07 PROJECT/SITE CONDITIONS
1. MAINTAIN AMBIENT AND SURFACE TEMPERATURES ABOVE 40° DURING APPLICATION AND DRYING PERIOD, MINIMUM 24 HOURS AFTER APPLICATION OF EIFS.
2. PROVIDE SUPPLEMENTARY HEAT FOR INSTALLATION IN TEMPERATURES LESS THAN 40° (4°C).
3. PROVIDE PROTECTION OF SURROUNDING AREAS AND ADJACENT SURFACES FROM APPLICATION OF MATERIALS.
1.08 COORDINATION/SCHEDULING
1. PROVIDE SITE GRADING SUCH THAT EIFS TERMINATES ABOVE FINISHED GRADE A MINIMUM OF 8" (203 MM) OR AS REQUIRED BY CODE.
2. PROVIDE PROTECTION OF ROUGH OPENINGS BEFORE INSTALLING WINDOWS, DOORS, AND OTHER PENETRATIONS THROUGH THE WALL AND PROVIDE SILL FLASHING.
3. INSTALL WINDOW AND DOOR HEAD FLASHING IMMEDIATELY AFTER WINDOWS AND DOORS ARE INSTALLED.
4. INSTALL DIVERTER FLASHING WHEREVER WATER CAN ENTER THE WALL ASSEMBLY TO DIRECT WATER TO THE EXTERIOR.
5. INSTALL COPINGS AND SEALANT IMMEDIATELY AFTER INSTALLATION OF THE EIF SYSTEM AND WHEN EIFS COATINGS ARE DRY.
6. ATTACH PENETRATIONS THROUGH EIFS TO STRUCTURAL SUPPORT AND PROVIDE WATER TIGHT SEAL AT PENETRATIONS.
1.09 WARRANTY
1. PROVIDE MANUFACTURER'S STANDARD LABOR AND MATERIAL WARRANTY.
A. PRODUCTS
2.01 MANUFACTURERS
1. PROVIDE EIF SYSTEM AND ACCESSORIES FROM SINGLE SOURCE MANUFACTURER OR APPROVED SUPPLIER.
2. THE FOLLOWING ARE ACCEPTABLE MANUFACTURERS:
a. STO CORP. - EIF SYSTEM
b. PLASTIC COMPONENTS, INC - ACCESSORIES
3. INDUSTRY STANDARD SYSTEM:
a. INTERIOR: STOLIT CLASSIC
b. EXTERIOR: STO CLASSIC NEXT 12 YEAR WARRANTY
2.02 SURFACE PREPARATION
1. LEVELER: STO LEVELER - ONE-COMPONENT, POLYMER MODIFIED, CEMENT BASED LEVELER WITH FIBER REINFORCEMENT IF REQUIRED IN UNEVEN RESTORATION SURFACE.
2.03 ADHESIVE
1. CEMENTITIOUS ADHESIVE
a. STO BTS PLUS-ONE-COMPONENT, POLYMER-MODIFIED, CEMENT BASED HIGH BUILD ADHESIVE.
2. NON-CEMENTITIOUS ADHESIVE
a. STO DISPERSION ADHESIVE-NON-CEMENTITIOUS, ACRYLIC BASED ADHESIVE
2.04 INSULATION BOARD
1. NOMINAL 1.0 LB/FT3 EXPANDED POLYSTYRENE (EPS) INSULATION BOARD IN COMPLIANCE WITH ASTM C 578 TYPE I REQUIREMENTS, AND EIMA GUIDELINE SPECIFICATION FOR EXPANDED POLYSTYRENE (EPS) INSULATION BOARD, USE NEWLY PACKAGED INSULATION BOARD ONLY.
2.05 BASE COAT
1. CEMENTITIOUS BASE COATS
a. STO BTS PLUS-ONE-COMPONENT POLYMER MODIFIED CEMENT BASED HIGH BUILD BASE COAT WITH LESS THAN 3% PORTLAND CEMENT CONTENT BY HEIGHT AND CAPABLE OF ACHIEVING MINIMUM 1/16" (1.6 MM) THICKNESS IN ONE PASS.
2. NONCEMENTITIOUS BASE COAT
a. STO RFP-ONE COMPONENT READY MIXED NON-CEMENTITIOUS, FIBER REINFORCED ACRYLIC BASE COAT
3. WATERPROOF BASE COAT
a. STO FLEXLY - TWO COMPONENT FIBER REINFORCED ACRYLIC BASED WATERPROOF BASE COAT MIXED WITH PORTLAND CEMENT.
2.06 REINFORCING MESHES
1. ULTRA-HIGH IMPACT MESH (0' TO 6'-0")
a. STO MESH: NOMINAL 4.5 OZ./YD2 (390 G/m2), OVER STO ARMOR MAT - NOMINAL 15 OZ./YD2 INTERWOVEN, OPEN WEAVE GLASS FIBER FABRIC WITH ALKALINE RESISTANT COATING FOR COMPATIBILITY WITH STO MATERIALS.

- C. FULLY TEMPERED ULTRACLEAR (LOW IRON) FLOAT GLASS [GLR-]: ASTM C 1048, KIND FT, CONDITION A, TYPE I, CLASS 1, QUALITY-03, WITH VISIBLE LIGHT TRANSMISSION OF NOT LESS THAN 91 PERCENT; THICKNESS (10MM) (3/8").
- D. FULLY TEMPERED TINTED FLOAT GLASS [GLR-]: ASTM C1048, KIND FT, CONDITION A, TYPE I, CLASS 2, QUALITY-03, THICKNESS (10MM) (3/8").
- E. LAMINATED FULLY TEMPERED CLEAR FLOAT GLASS [GLR-] ASTM C1172, CONSISTING OF TWO PLYS OF 6MM THICK GLASS WITH INTERIOR LAYER OF 0.060" THICK CLEAR POLYBUTYRAL; UNIT THICKNESS 13MM.

PART 3 EXECUTION

- 3.01 EXAMINATION
 - A. INSURE PARTITION SUBSTRATES TO DETERMINE IF WORK IS WITHIN GLASS PANEL PARTITION MANUFACTURER'S REQUIRED TOLERANCES AND READY TO RECEIVE WORK.
 - B. PROCEED WITH INSTALLATION OF PARTITIONS ONCE CONDITIONS AFFECTING INSTALLATION AND PERFORMANCE OF PARTITIONS MEET MANUFACTURER'S REQUIREMENTS.

- 3.02 PARTITION INSTALLATION
 - A. GENERAL: COMPLY WITH GLASS PANEL PARTITION MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND APPROVED SHOP DRAWINGS.
 - B. INSTALL GLASS PANEL PARTITIONS AFTER OTHER FINISHING OPERATIONS HAVE BEEN COMPLETED.
 - C. SET UNITS LEVEL, PLUMB, AND TRUE TO LINE, WITH UNIFORM JOINTS.
 - D. FASTEN GLASS PANEL PARTITION TRACK AND SILL TO BUILDING STRUCTURE AND SUPPORTS AS INDICATED ON APPROVED SHOP DRAWINGS, UTILIZING APPROVED FASTENERS AND SPACING.
 - E. SET, SEAL, AND GROUT FLOOR CLOSER CASES.

- 3.03 ADJUSTING
 - A. ADJUST DOOR CLOSERS TO REQUIRED TIMING AND FORCE.
 - B. ADJUST LATCHES AND LOCKS FOR SMOOTH OPERATIONS.
 - C. TEST AND ADJUST HARDWARE LINKED TO ACCESS CONTROL SYSTEM.
 - D. REPLACE DAMAGED PANELS AND ACCESSORIES.

- 3.04 CLEANING
 - A. CLEAN GLASS PANELS IN ACCORDANCE WITH GLASS MANUFACTURER'S WRITTEN INSTRUCTIONS. DO NOT USE CLEANING AGENTS OR METHODS NOT APPROVED BY GLASS MANUFACTURER.
 - B. CLEAN EXPOSED METAL SURFACES TO FACTORY NEW APPEARANCE.

SECTION 08328 - OVERHEAD COILING GRILLES

- PART 1 - GENERAL
 - 1.01 SECTION INCLUDES
 - A. ALUMINUM OVERHEAD COILING GRILLES.
 - 1.02 SUBMITTALS: SEE SECTION 03000
 - 1.03 SUMMARY
 - A. ROLLING GRILLE PROVIDED AND INSTALLED BY BMM. GENERAL CONTRACTOR TO VERIFY GRILLE IS TRUE, PLUMB, AND OPERATING PROPERLY, BEFORE INSTALLER LEAVES PREMISES

- PART 2 - PRODUCT
 - 2.01 MANUFACTURERS
 - A. DAGENDOR LTD, 504 RIVERE ST., ST-EUSTACHE, QC J7R 0E2, (800) 301-0097

- PART 3 - EXECUTION
 - 3.01 PREPARATION
 - A. PREPARE OPENING(S) TO RECEIVE GRILLE(S) AS REQUIRED BY MANUFACTURER.
 - B. GENERAL CONTRACTOR TO SUPPLY GRILLE INSTALLERS WITH FINISH FLOOR ELEVATION FOR PROPER INSTALLATION OF GRILLE LOCK AS WELL AS PRECISE GRILLE LOCATION ON FLOOR LAYOUT.

- 3.02 INSTALLATION (BY VENDOR INSTALLERS)
 - A. INSTALL AS SHOWN ON DRAWINGS IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS ADJUST FOR SMOOTH AND EASY OPERATION.
 - B. CAREFULLY COORDINATE INSTALLATION AND HOOK-UP OF ROLLING GRILLE WITH ALL AFFECTED TRADES. REFER TO DOOR SCHEDULE

SECTION 08316 - SLIDING GRILLES

- PART 1 - GENERAL
 - 1.01 SECTION INCLUDES
 - A. MANUALLY OPERATED SLIDING SECURITY GRILLES
 - B. RELATED SECTIONS
 - 1. SECTION 05000-METAL FABRICATIONS - FOR MISCELLANEOUS STEEL SUPPORT BRACKETS AND GUIDES.
 - 1.02 REFERENCES
 - A. AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION. (AAMA)
 - 1. AAMA 611, VOLUNTARY SPECIFICATION FOR ANODIZED ARCHITECTURAL ALUMINUM.
 - B. ASTM INTERNATIONAL
 - 1. ASTM B 221, STANDARD SPECIFICATION FOR ALUMINUM AND ALUMINUM ALLOY EXTRUDED BARS, RODS, WIRE, PROFILES AND TUBES.
 - 1.03 SUBMITTALS
 - A. PRODUCT DATA: MANUFACTURER'S PRINTED PRODUCT INFORMATION IDENTIFYING ALL COMPONENTS, FINISHES AND OPTIONS.
 - B. SHOP DRAWINGS SHOW EACH INSTALLATION INCLUDING COMPONENTS NOT DIMENSIONED OR DETAILED IN PRODUCT DATA. INCLUDE ELEVATIONS, PLANS, SECTIONS, DETAILS AND ATTACHMENT TO OTHER WORK.
 - C. SAMPLES: FOR EACH TYPE OF EXPOSED FINISH REQUIRED.
 - 1.04 QUALITY ASSURANCE
 - A. SOURCE LIMITATIONS: OBTAIN FOLDING METAL GRILLES SPECIFIED IN THIS SECTION THROUGH ONE SOURCE FROM A SINGLE MANUFACTURER.
 - 1.05 DELIVERY, STORAGE AND HANDLING
 - A. DELIVER FOLDING METAL GRILLES IN MANUFACTURER'S ORIGINAL, UNDAMAGED AND UNOPENED CONTAINERS. PROVIDE IDENTIFICATION LABELS ON EACH CONTAINER.
 - B. STORE FOLDING GRILLES IN LOCATIONS PROTECTED FROM WEATHER AND DAMAGE FROM CONSTRUCTION OPERATIONS.
 - 1.06 PROJECT CONDITIONS
 - A. FIELD MEASUREMENTS: VERIFY DIMENSIONS OF OPENINGS WHERE FOLDING GRILLES ARE INDICATED TO BE INSTALLED. INDICATE MEASUREMENTS ON SHOP DRAWINGS.
 - 1.07 WARRANTY
 - A. WARRANTY: MANUFACTURERS STANDARD WARRANTY IN WHICH MANUFACTURER AGREES TO REPLACE HINGED PANEL SECTIONS THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN SPECIFIED WARRANTY PERIOD.

- PART 2 - PRODUCT
 - 2.01 MANUFACTURERS
 - A. DAGENDOR, PHONE (800) 301-0097 / (450) 491-1050, EMAIL DAGENDOR@DAGENDOR.COM, WEBSITE WWW.DAGENDOR.COM

SECTION 08413 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

- D. GENERAL: PROVIDE EXTRUDED ALUMINUM ENTRANCE SYSTEM WITH DOORS, FRAMES, HARDWARE, ANCHORAGE MATERIAL, AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.
- E. STANDARDS: COMPLY WITH ARCHITECTURAL ALUMINUM MANUFACTURERS ASSOCIATION (AAMA) "ALUMINUM STORE FRONT AND ENTRANCE MANUAL."
- F. CODES AND REGULATIONS: COMPLY WITH APPLICABLE CODES AND REGULATIONS.
- G. SUBMITTALS: FURNISH MANUFACTURER'S LITERATURE, SHOP DRAWINGS, AND SAMPLES
- H. STRUCTURAL CERTIFICATES: PROVIDE CERTIFICATION BY STATE REGISTERED ENGINEER INDICATING SYSTEM COMPLIES WITH CONTRACT DOCUMENTS AND APPLICABLE CODES.
 - 1. SPECIAL PROJECT WARRANTY: PROVIDE FOR CORRECTING FAILURES INCLUDING WIND DAMAGE AND WATER PENETRATION TO INTERIOR SURFACES, EXCESSIVE DEFLECTIONS, AND DETERIORATION OF FINISHES, WEATHER-STRIPPING AND ACCESSORIES. SPECIAL WARRANTY PERIOD SHALL BE TWO YEARS.
- I. MANUFACTURERS: AS INDICATED IN DRAWINGS OR APPROVED EQUAL.
 - K. STOREFRONT: EXTRUDED ALUMINUM ENTRANCE SYSTEM AS INDICATED ON DRAWINGS. ALUMINUM TYPE AS RECOMMENDED BY MANUFACTURER FOR APPLICATION INDICATED, BUT NOT LESS THAN EXTRUDED ALUMINUM, ASTM B221, 6061 OR 6063 ALLOY AND T5 OR T6 TEMPER.
 - 3. FINISH: 70% KYNAR, AAMA 2605, BONE WHITE LT609-50" AS INDICATED IN DRAWINGS.
 - 3. INTERIOR STOREFRONT FINISH: MANUFACTURER'S STANDARD CLEAR ANODIZED FINISH AS INDICATED ON DRAWINGS.
 - 1. GLAZING: SEE SECTION 08300
 - 1. APPLIED GLAZING FILM: APPLY 3M FILM ON ALUMINUM FRAMED STOREFRONT GLASS WHERE INDICATED ON DRAWINGS.
 - J. GLAZING ACCESSORIES: OF TYPE RECOMMENDED BY MANUFACTURER TO SUIT SECURITY LOCATIONS AND APPLICATIONS FOR DRY GLAZING INSTALLATION.
 - K. MISCELLANEOUS MATERIALS:
 - 1. STEEL REINFORCEMENT AND BRACKETS: MANUFACTURER'S STANDARD WITH MINIMUM 2 OZ. HOT-DIP ZINC COATING, ASTM A123, APPLIED AFTER FABRICATION.
 - 2. BITUMINOUS PAINT: COLD-APPLIED MASTIC, SSPC PAINT 12, COMPOUND FOR 30 MIL THICKNESS PER COAT.
 - 3. FLASHING: PROVIDE SUB-SILL FLASHING MEMBERS, MINIMUM 22 GAGE SHEET ALUMINUM OF SIZES AND SHAPED INDICATED AND AS REQUIRED TO DRAIN WATER TO EXTERIOR; MATCH ADJACENT ALUMINUM MEMBER FINISH.
 - 4. ANCHORING DEVICES: CORROSION RESISTANT TYPE CAPABLE OF SUPPORTING ENTRANCE SYSTEM AND SUPERIMPOSED DESIGN LOADS; DESIGN TO ALLOW ADJUSTMENTS OF SYSTEM PRIOR TO BEING PERMANENTLY FASTENED IN PLACE.

- L. FABRICATION: FABRICATE ALUMINUM ENTRANCE AND STOREFRONT SYSTEM TO ALLOW FOR CLEARANCES AND SHIM SPACING AROUND PERIMETER OF ASSEMBLIES TO ENABLE INSTALLATION; PROVIDE FOR THERMAL MOVEMENT.
 - 1. ACCURATELY FIT TOGETHER JOINTS AND CORNERS; MATCH COMPONENTS ENSURING CONTINUITY OF LINE AND DESIGN; ENSURE JOINTS AND CONNECTIONS ARE FLUSH, HAIRLINE AND WEATHERPROOF.
 - 2. SEPARATE DISSIMILAR MATERIALS WITH BITUMINOUS PAINT OR PERFORMED SEPARATORS WHICH WILL PREVENT CORROSION.
 - M. INSTALLATION: INSTALL ALUMINUM FRAMED STOREFRONT ASSEMBLIES, INCLUDING ENTRANCES, IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND TO MEET DESIGN REQUIREMENTS INDICATED.
 - 1. ENSURE ASSEMBLIES ARE PLUMB, LEVEL AND FREE OF WARP OR TWIST, MAINTAIN DIMENSIONAL TOLERANCES AND ALIGNMENT WITH ADJACENT WORK.
 - 2. USE SUFFICIENT ANCHORAGE DEVICES TO SECURELY AND RIGIDLY FASTEN ASSEMBLIES TO BUILDING.
 - 3. INSTALL HARDWARE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, USING PROPER TEMPLATES. COORDINATE INSTALLATION OF CYLINDERS WITH SECTION 08700.
 - 4. INSTALL SILL MEMBERS AND THRESHOLDS IN BED OF COMPOUND, JOINT FILLERS OR GASKETS TO PROVIDE WEATHER TIGHT CONSTRUCTION.
 - 5. GLASS INSTALLATION: COMPLY WITH GANA GLAZING MANUAL AND GLAZING MANUFACTURER INSTRUCTIONS. DO NOT ALLOW GLASS TO TOUCH ANY METAL SURFACES.

- N. ADDITIONAL REQUIREMENTS FOR EXTERIOR STOREFRONT SYSTEMS IN HURRICANE PRONE REGIONS. (FOR WINDSPEED GREATER THAN 90 M.P.H. ALONG U.S. ATLANTIC COAST AND GULF OF MEXICO.)
 - 1. MANUFACTURER AND PRODUCTS:
 - A. TRULITE C6500 ALUMINUM FRAMED STOREFRONT SYSTEM WITH 70% KYNAR, AAMA 2605, BONE WHITE LT609-50" FINISH: 2-1/2" X 5" NOMINAL DIMENSION, NON-THERMAL; CENTER GLAZING FOR 9/16" IMPACT RESISTANT GLAZING; SCREW SPLINE FABRICATION WITH INTERIOR STRUCTURAL SILICONE GLAZED.
 - B. FOR INSULATED GLAZING LOCATIONS, USE TRULITE C6501 ALUMINUM FRAMED STOREFRONT SYSTEM WITH 70% KYNAR, AAMA 2605, BONE WHITE LT609-50" FINISH: 2-1/2" X 5" NOMINAL DIMENSION; THERMAL; CENTER GLAZING WITH INTERIOR STRUCTURAL SILICONE GLAZED.
 - C. APPROVED EQUALS: SUBMIT ALTERNATES TO BMM FM FOR APPROVAL.
 - 2. STOREFRONT SYSTEM SHALL COMPLY WITH FLORIDA 4 MIAMI-DADE COUNTY STANDARDS.
 - 3. WIND LOADS: DESIGN AND CONSTRUCT SYSTEM BASED ON APPLICABLE BUILDING CODE REQUIREMENTS FOR SPECIFIC PROJECT LOCATION AND MANUFACTURER'S FBC APPROVED PRODUCT REPORT OR MIAMI-DADE COUNTY ACCEPTABLE NOA REPORT.
 - 4. WINDBORNE-DEBRIS-IMPACT-RESISTANCE PERFORMANCE: PASS MISSILE-IMPACT AND CYCLIC-PRESSURE TESTS WHEN TESTED ACCORDING TO ASTM E 1806 AND TESTING INFORMATION IN ASTM E 1996 FOR WIND ZONE CRITERIA FOR SPECIFIC PROJECT LOCATION.
 - A. LARGE MISSILE TEST: FOR GLAZED OPENINGS LOCATED WITHIN 30 FEET OF GRADE.
 - B. SMALL MISSILE TEST: FOR GLAZED OPENINGS LOCATED MORE THAN 30 FEET ABOVE GRADE.

- 5. AIR INFILTRATION: TESTED IN ACCORDANCE WITH ASTM E 283. AIR INFILTRATION RATE SHALL NOT EXCEED 0.06 CFM/50 FT. AT A STATIC AIR PRESSURE DIFFERENTIAL OF 6.24 PSF.
- 6. WATER RESISTANCE: TESTED IN ACCORDANCE WITH ASTM E 331. THERE SHALL BE NO LEAKAGE AT A MINIMUM STATIC AIR PRESSURE DIFFERENTIAL OF 12 PSF AS DEFINED IN AAMA 501.
- 7. SEE STRUCTURAL DRAWINGS FOR DESIGN WIND LOAD CRITERIA FOR STOREFRONT CURTAIN WALLS.
- 8. PROVIDE COMPONENTS THAT HAVE BEEN PREVIOUSLY TESTED BY AN INDEPENDENT TESTING LABORATORY CERTIFIED BY MIAMI-DADE COUNTY BUILDING CODE COMPLIANCE OFFICE (BCCO), FLORIDA BUILDING CODE (FBC), AND ASTM.
- 9. COMPLY WITH IMPACT RESISTANCE AND CYCLIC PRESSURE DIFFERENTIALS PER ASTM E1806 AND ASTM E199. SBCCI 95TD 12, FBC PROTOCOLS TAS 201, 202, AND 203, OR MIAMI-DADE COUNTY BCCO PROTOCOLS PA 201, 202, AND 203.

- 10. SAFETY REQUIREMENTS OF STOREFRONT CURTAIN WALL SHALL BE COMPLIANT WITH CPSC 16 CFR 1201 CATEGORY II AND ANSI Z97.1 CLASS A.
- 11. STRUCTURAL SILICONE SEALANT: PROVIDE STRUCTURAL SILICONE SEALANT PER STOREFRONT MANUFACTURER WRITTEN INSTRUCTIONS AND RECOMMENDATIONS.
- 12. MAXIMUM CALCULATED DEFLECTION OF ANY FRAMING MEMBER IN DIRECTION NORMAL TO THE PLANE OF THE WALL WHEN SUBJECTED TO SPECIFIED PRESSURES SHALL BE LIMITED TO 1/75 OF THE SPAN BUT NO MORE THAN 3/4".

- SECTION 08416 - ALL-GLASS ENTRANCES AND STOREFRONTS
 - A. GENERAL: SECTION INCLUDES: PROVIDE SPECIAL FRAMELESS ALL-GLASS ENTRANCES AND STOREFRONTS, INCLUDING SAFETY GLASS DOORS, RELATED HARDWARE, ADJACENT GLAZING AND ACCESSORIES AS REQUIRED FOR COMPLETE, OPERATIONAL INSTALLATION.
 - 1. RELATED WORK: SECTION 08700: CYLINDERS FOR DOOR LOCKS.
 - B. REFERENCES
 - 1. GLASS ASSOCIATION OF NORTH AMERICA (GANA): GLAZING MANUAL.
 - 2. BUILDERS HARDWARE MANUFACTURERS ASSOCIATION (BHMA): BHMA 1301/ ANSI A156.18, STANDARDS FOR MATERIALS AND FINISHES.
 - C. SYSTEM DESCRIPTION
 - 1. PERFORMANCE REQUIREMENTS: PROVIDE ASSEMBLIES CAPABLE OF WITHSTANDING MINIMUM UNIFORM TEST PRESSURE OF 20 PSF INWARD AND OUTWARD PRESSURE WHEN TESTED IN ACCORDANCE WITH ASTM E330.
 - D. SUBMITTALS
 - 1. PRODUCT DATA: FURNISH MANUFACTURER'S LITERATURE.
 - 2. SHOP DRAWINGS: INDICATE COMPONENT DETAILS, MATERIALS, FINISHES, DIMENSIONS, HARDWARE AND FITTINGS AND FASTENING METHOD OF ANCHORAGE.
 - 3. SAMPLES: FURNISH SAMPLES OF METAL FINISH.
 - E. QUALITY ASSURANCE
 - 1. INSTALLER QUALIFICATIONS: FIRM WITH MINIMUM FIVE YEARS SUCCESSFUL EXPERIENCE IN INSTALLATION OF ENTRANCES SIMILAR TO THOSE SPECIFIED, APPROVED BY SYSTEM MANUFACTURER.
 - 2. REGULATORY REQUIREMENTS: COMPLY WITH REQUIREMENTS OF APPLICABLE BUILDING CODES AND AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) TO ENSURE ACCESS TO PERSONS WITH DISABILITIES.

- F. PROJECT CONDITIONS
 - 1. CHECK OPENINGS BY FIELD MEASUREMENTS BEFORE FABRICATION TO ENSURE PROPER FITTING AND TIGHT JOINTS; COORDINATE FABRICATION WITH SHOP DRAWINGS OF ADJACENT CONSTRUCTION WHERE NECESSARY TO AVOID DELAYS.
 - G. MANUFACTURERS:
 - 1. SEE ARCHITECTURAL DRAWINGS
 - 2. SUBSTITUTIONS: REFER TO SECTION 016200
 - H. MATERIALS:
 - 1. ALL-GLASS ENTRANCE SYSTEMS: PROVIDE COMPLETE SYSTEM.
 - a. GLASS: NOT LESS THAN NOMINAL 1/2" THICK, LOW-IRON, SELECT GLAZING QUALITY CLEAR TEMPERED GLASS COMPLYING WITH ASTM C1048, KIND FT.
 - 1. SAFETY GLASS: CONFORM TO ANSI Z97.1 AND APPLICABLE CODES AND REGULATIONS.
 - 2. PROVIDE HORIZONTALLY TEMPERED GLASS WITHOUT TONG MARKS; VERTICAL TEMPERING PERMITTED ONLY WHERE TONG MARKS CAN BE TOTALLY CONCEALED IN FINISHED INSTALLATION.
 - 3. POLISH SIDE EDGES TO BE EXPOSED OR TO RECEIVE SEALANT; CUT GLASS TO TOLERANCES NECESSARY TO PROVIDE EVEN, 1/8" JOINTS WITHIN PLUS OR MINUS 1/16"
 - b. DOOR FITTINGS: PROVIDE CUSTOM "PATCH" TYPE FITTINGS AS INDICATED ON DRAWINGS AND AS REQUIRED TO SUPPORT DORMA DOOR CONTROLS/BTS 80 FLOOR PIVOT CLOSER
 - 1. FINISH: BHMA 630 (US320), SATIN STAINLESS STEEL FINISHED WITH 320 GRIT SANDER TO MATCH ARCHITECT'S SAMPLE.
 - c. FRAMELESS GLASS DOOR HARDWARE: MANUFACTURER'S STANDARD METAL AND FINISH TO MATCH DOOR RAILS, UNLESS OTHERWISE INDICATED. REFER TO ARCHITECTURAL DRAWINGS.
 - 4. ANCHORAGES AND FASTENINGS: MANUFACTURER'S STANDARD TYPES, CONCEALED EXCEPT AS OTHERWISE REQUIRED; FINISH EXPOSED FASTENERS TO MATCH ADJACENT METAL SURFACES.
 - e. SEALANT: HIGH MODULUS STRUCTURAL SILICONE DESIGNED FOR STRUCTURAL GLAZING.
 - 1. SEALANT COLOR: CLEAR
 - 2. MANUFACTURERS:
 - A. DON CORNING/SILICONE RUBBER SEALANT 999.
 - B. GENERAL ELECTRIC/SILICONE CONSTRUCTION SCS 1200 SEALANT.
 - C. PEGOR/969 GLAZING SILICONE.
 - D. TREMCO/PROGLAZE SILICONE.
 - E. SUBSTITUTIONS: REFER TO SECTION 01630

- f. SIDELIGHT GLAZING CHANNELS: SATIN STAINLESS STEEL TO MATCH DOOR PATCHES, SIZES AS REQUIRED TO SUPPORT GLASS.
- g. EXPOSED FINISH: MATCH SATIN FINISH FOR DOOR SYSTEM.
- J. FABRICATION
 - 1. LOCATE AND PROVIDE HOLES AND CUTOUTS TO RECEIVE HARDWARE BEFORE TEMPERING GLASS; DO NOT PERMIT CUTTING, DRILLING OR OTHER GLASS ALTERATIONS AFTER TEMPERING.
 - a. POLISH EXPOSED ENDS OF GLASS; ROUND EDGES SLIGHTLY.
 - 2. FABRICATE ALL-GLASS ENTRANCE SYSTEM TO ACCOMMODATE REQUIRED HARDWARE AND ACCESSORY ITEMS.
 - 3. INSTALL HARDWARE AT FABRICATION PLANT; REMOVE ONLY AS REQUIRED FOR FINAL FINISHING OPERATIONS, AND FOR DELIVERY AND INSTALLATION OF WORK AT PROJECT SITE.

- K. EXAMINATION
 - 1. EXAMINE AREAS AND CONDITIONS UNDER WHICH WORK IS TO BE INSTALLED.
 - 2. BEGINNING INSTALLATION SIGNIFIES ACCEPTANCE OF CONDITIONS.
 - L. INSTALLATION
 - 1. COMPLY WITH MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS.
 - a. INSTALL GLAZING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND GANA GLAZING MANUAL.
 - 2. SET UNITS PLUMB, LEVEL AND TRUE TO LINE, WITHOUT WARP OR RACK; ANCHOR SECURELY IN PLACE.
 - 3. SEPARATE ALUMINUM AND OTHER CORRODIBLE METAL SURFACES FROM SOURCES OF CORROSION OR ELECTROLYTIC ACTION AT POINTS OF CONTACT WITH OTHER MATERIALS.
 - 4. ADJUSTING: ADJUST OPERATING HARDWARE TO ENSURE PROPER OPERATION.
 - N. CLEANING: CLEAN SURFACES USING MANUFACTURER'S RECOMMENDED CLEANING METHODS.

SECTION 08700 - DOOR HARDWARE

- A. GENERAL: PROVIDE DOOR HARDWARE FOR HOLLOW METAL DOORS AND FOR WOOD DOORS, AND PROVIDE CYLINDERS FOR DOORS PROVIDED WITH HARDWARE, WITH ACCESSORIES AS REQUIRED FOR COMPLETE OPERATIONAL DOOR INSTALLATION.
- B. STANDARDS: COMPLY WITH BUILDERS HARDWARE MANUFACTURERS ASSOCIATION (BHMA) ANSI/BHMA 86 SERIES STANDARDS.
- C. CODES AND REGULATIONS: COMPLY WITH STATE AND FEDERAL REQUIREMENTS FOR ENSURING ACCESS FOR PERSONS WITH DISABILITIES.
 - 1. FIRE RATED DOORS: COMPLY WITH REGULATORY CODES OF NFPA 80 AND APPLICABLE CODES FOR FIRE RATED DOOR HARDWARE; PROVIDE HARDWARE BEARING UNDERWRITERS LABORATORY (UL) LISTINGS.
 - D. SUBMITTALS: FURNISH SHOP DRAWINGS, PRODUCT DATA INCLUDING KEYING SCHEDULE, AND SAMPLES OF EACH REQUIRED STYLE AND FINISH.
 - 1. SUPPLY TEMPLATES TO DOOR AND FRAME MANUFACTURERS FOR PROPER AND ACCURATE SIZING AND LOCATIONS OF CUT-OUTS FOR HARDWARE.
 - E. GENERAL MATERIALS: PROVIDE COMPLETE HARDWARE WITH ACCESSORIES AS REQUIRED FOR DOORS AND APPLICATIONS INDICATED AND NOT PROVIDED UNDER OTHER SECTIONS.
 - F. FINISHES: HAGES, LAWRENCE, MCKINNEY, OR STANLEY, FULL MORTISED HINGES, SIZE AND NUMBER AS RECOMMENDED BY MANUFACTURER; NON REMOVABLE PINS AT EXTERIOR OUT SWINGING DOORS, BLABBING HINGES AT FIRE RATED DOORS AND DOORS WITH CLOSURES.
 - G. LOCKSET/LATCHSETS: SCHLAGE, SARGENT, YALE, OR U-CHANGE; FULL MORTISE LOCKSETS TYPICAL AT DOORS TO PUBLIC AREAS, CYLINDRICAL LOCKSETS AND LATCHSETS AT OTHER LOCATIONS; SOLID LEVER TYPE WITH ROSE, KEYING AS DIRECTED BY OWNER; PROVIDE CYLINDERS FOR DOORS FURNISHED WITH LOCKS. (U CHANGE CUSTOMER SERVICE: 1-800-253-5625).
 - H. OVERHEAD CLOSURES: LCN4000 SERIES OR NORTON/7500 FULLY ADJUSTABLE; MODERN TYPE WITH COVER.
 - 1. ACCESSORIES: PROVIDE DOOR STOPS, THRESHOLDS, WEATHER-STRIPPING, TRIM, COORDINATORS AND ACCESSORIES AS REQUIRED FOR COMPLETE OPERATIONAL DOOR INSTALLATION.
 - I. THRESHOLDS, STOPS, TRIMS AND MISCELLANEOUS HARDWARE: PROVIDE AS INDICATED, AS SPECIFIED, AS INCLUDED IN HARDWARE SCHEDULE, AND AS REQUIRED FOR COMPLETE INSTALLATION.
 - 2. WEATHER-STRIPPING: PROVIDE CONTINUOUS WEATHER-STRIPPING AT TOP AND SIDES OF EXTERIOR DOORS.
 - 3. FIRE RATED GASKETS: PROVIDE CONTINUOUS FIRE RATED GASKETS AT TOP AND SIDE OF FIRE RATED DOORS.

- J. FINISH: BHMA 626 (US26D), SATIN FINISHED CHROMIUM PLATED UNLESS OTHERWISE INDICATED.
- K. INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS, BHMA, AND APPLICABLE REQUIREMENTS FOR ACCESS AND FOR FIRE RATINGS.
 - 1. FIT HARDWARE PRIOR TO PAINTING; THEN REMOVE FOR PAINTING OF DOORS AND FRAMES BEFORE FINAL INSTALLATION OF HARDWARE.
- 2. HEIGHT TO COMPLY WITH APPLICABLE CODES AND BHMA RECOMMENDATIONS.
- 3. HARDWARE GROUPS: REFER TO DRAWINGS.

SECTION 08800 - GLASS GLAZING

- A. GENERAL: PROVIDE FULLY TEMPERED GLASS AND G.C. FURNISHED FILM ON GLASS (AS REQUIRED). GLASS THICKNESS SHALL BE PER ARCHITECTURAL DRAWINGS. PROVIDE GLAZING ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.
- B. STANDARDS: COMPLY WITH GLASS ASSOCIATION OF NORTH AMERICA (GANA) "GLAZING MANUAL".
- C. CODES: SAFETY GLAZING SHALL COMPLY WITH CONSUMER PRODUCT STANDARD 16 CFR 1201, CATEGORY II, AND SHALL HAVE PASSED ANSI Z97.1, CLASS A.
- D. MANUFACTURERS: PILKINGTON LOF, GUARDIAN, OR PPG.
- E. GLAZING SEALANT: ONE COMPONENT SILICONE GLAZING SEALANT; PROVIDE AS RECOMMENDED BY SEALANT MANUFACTURER FOR APPLICATIONS INDICATED, HIGH MODULUS TYPE AT STRUCTURAL SILICONE BUTT GLAZING.
 - 1. MANUFACTURERS: DOW OR GE.
- F. SETTING BLOCKS AND SPACERS: NEOPRENE OR EPDM, SILICONE COMPATIBLE WHERE IN CONTACT WITH SILICONE SEALANT.
- H. INSTALLATION: COMPLY WITH GANA GLAZING MANUAL AND SEALANT MANUAL AND GLAZING MANUFACTURER INSTRUCTIONS.
 - 1. DO NOT ALLOW GLASS TO TOUCH METAL SURFACES
 - 1. COMPLY WITH NFPA 80 FOR GLASS IN FIRE RATED OPENINGS
 - 3. PLACE SETTING BLOCKS AT QUARTER POINTS IN THIN COURSE OF SEALANT
 - 4. INSTALL REMOVABLE STOPS WITH GLASS CENTERED IN SPACE WITH SPACER SHIMS AT 2'-0" INTERVALS ON BOTH SIDES OF GLASS, 1/4" BELOW SIGHTLINE.
 - 5. SEALANT GLAZING: FILL GAP BETWEEN GLASS AND STOPS WITH SEALANT TO DEPTH EQUAL TO BITE OF FRAME ON GLASS BUT NOT MORE THAN 3/8" BELOW SIGHTLINE.

- I. GLAZING
 - 1. GENERAL: INSTALL MIRRORS WITH MIRROR GLAZING CHANNELS TO COMPLY WITH WRITTEN INSTRUCTION OF MIRROR AND MIRROR GLAZING CHANNEL MANUFACTURERS, WITH REFERENCED GANA AND NGA PUBLICATIONS, OWNER FURNISHED DRAWINGS, AND AS SPECIFIED. MOUNT MIRRORS PLUMB, IN LINE AND IN A MANNER THAT AVOIDS DISTORTING REFLECTED IMAGES.
 - 2. COMPLY WITH MASTIC MANUFACTURER'S PRINTED DIRECTIONS FOR PREPARATION AND SEALING OF MOUNT SURFACES BY SEALING DRYWALL, AND PLYWOOD, SUBSTRATES WITH DRYWALL AND PLYWOOD PAINT. ALLOW PAINT TO DRY BEFORE APPLYING MIRROR MASTIC.
 - 3. MIRROR CHANNEL INSTALLATION:
 - a. TO PLYWOOD: DRILL, DO NOT DIMPLE, BACK LIP OF CHANNEL TO RECEIVE FASTENERS WITH HOLES PROPERLY SIZED AND SPACED TO RECEIVE FASTENERS. ATTACH MIRROR CHANNELS BY SCREW ATTACHING MIRROR CHANNEL THROUGH THE BACK OF MIRROR MASTIC AND PLYWOOD SUBSTRATE IN ACCORDANCE WITH MIRROR FASTENER MANUFACTURERS WRITTEN INSTRUCTIONS. INSTALL THE WEB OF THE TOP CHANNEL 1/4" HIGHER THAN THE HEIGHT OF THE MIRROR TO ALLOW THE RAISING OF THE MIRROR IN TO THE TOP CHANNEL AND ITS SUBSEQUENT LOWERING INTO THE BOTTOM CHANNEL. AFTER INSTALLING FASTENERS PLACE MASKING TAPE OVER THE ENTIRE LENGTH OF THE BACK LIP OF THE CHANNEL COMPLETELY COVERING THE FASTENER HEADS TO PROTECT THE MIRROR FROM BEING CHIPPED IN SETTING. ADHERE SETTING BLOCKS AT QUARTER POINTS FOR BOTTOM MIRROR CHANNELS USING ONLY 2 SETTING BLOCKS PER MIRROR PANEL.

SECTION 08830 - MIRRORS

- SUMMARY: THIS SECTION INCLUDES NEW WALL MOUNTED GLASS MIRRORS.
- A. QUALITY ASSURANCE
 - 1. INSTALLER QUALIFICATIONS: AN EXPERIENCED INSTALLER WHO HAS COMPLETED MIRROR GLAZING SIMILAR IN MATERIAL, DESIGN, AND EXTENT TO THAT INDICATED; WHOSE WORK HAS RESULTED IN MIRROR INSTALLATIONS WITH A RECORD OF NOT LESS THAN 5 YEARS OF SUCCESSFUL IN-SERVICE PERFORMANCE.
 - 2. SOURCE LIMITATIONS FOR MIRRORS: OBTAIN MIRRORS FROM ONE SUPPLIER/MANUFACTURER FOR EACH TYPE OF MIRROR INDICATED.
 - 3. SOURCE LIMITATIONS FOR GLAZING ACCESSORIES: OBTAIN GLAZING ACCESSORIES FROM ONE SOURCE FOR EACH TYPE OF ACCESSORY INDICATED.
 - 4. GLAZING PUBLICATIONS: COMPLY WITH THE APPLICABLE RECOMMENDATIONS OF THE FOLLOWING, WHERE RECOMMENDATIONS CONFLICT THE MORE STRINGENT SHALL APPLY.
 - a. GLASS ASSOCIATION OF NORTH AMERICA (GANA): "GLAZING MANUAL" AND THE MIRROR DIVISION'S "MIRRORS, HANDLE WITH EXTREME CARE: TIPS FOR THE PROFESSIONAL ON THE CARE AND HANDLING OF MIRRORS."
 - b. NATIONAL GLASS ASSOCIATION (NGA): "CUSTOM MIRRORS, FABRICATION AND INSTALLATION."
 - B. DELIVERY, STORAGE, AND HANDLING.
 - 1. PROTECT MIRRORS ACCORDING TO MIRROR MANUFACTURER'S WRITTEN INSTRUCTIONS AND AS NEEDED TO PREVENT DAMAGE TO MIRRORS FROM CONDENSATION, TEMPERATURE CHANGES DIRECT EXPOSURE TO SUN, OR OTHER CAUSES.
 - 2. COMPLY WITH MIRROR MANUFACTURER'S WRITTEN INSTRUCTIONS FOR SHIPPING, STORING, AND HANDLING MIRRORS AS NEEDED TO PREVENT DETERIORATION OF SILVERING, DAMAGE TO EDGES, AND ABRASION OF GLASS SURFACES AND APPLIED COATINGS. STORE INDOORS, PROTECTED FROM MOISTURE INCLUDING CONDENSATION.
 - C. PROTECTION CONDITIONS: ENVIRONMENTAL LIMITATIONS - DO NOT INSTALL MIRRORRED GLASS UNTIL AMBIENT TEMPERATURE AND HUMIDITY CONDITIONS ARE MAINTAINED AT LEVELS INDICATED FOR FINAL OCCUPANCY.
 - D. SILVERED FLAT GLASS MIRROR MATERIAL: 6.0 MM THICK AND COMPLYING WITH ASTM C 1503, MIRROR SELECT QUALITY FOR USE IN VISUALLY DEMANDING APPLICATIONS REQUIRING MINIMAL DISTORTIONS AND BLEMISHES.
 - E. FABRICATION
 - 1. CUTOUTS: FABRICATE CUTOUTS FOR NOTCHES AND HOLES IN MIRRORS WITHOUT MARRING VISIBLE SURFACES. LOCATE AND SIZE CUTOUTS SO THEY FIT CLOSELY AROUND PENETRATIONS IN MIRRORS.
 - 2. MIRROR EDGE TREATMENT: CUTTING AND POLISHING
 - a. TYPICAL MIRRORS: FLAT EDGES WHERE THE CLEAN CUT "SQUARE" EDGE OF THE GLASS IS FLAT AND SURFACES EDGES ARE SLIGHTLY ARRISSED. AFTER GRINDING THE ARRISSES, EDGES SHALL BE POLISHED TO A HIGH GLOSS SURFACE WHERE THE SURFACE REFLECTIVITY IS SIMILAR IN APPEARANCE TO THE MAJOR SURFACE OF THE GLASS.
 - b. BEVELED EDGED MIRRORS: PROVIDE BEVELED EDGED MIRRORS WHERE THE SURFACE EDGE OF THE GLASS IS BEVELED TO WIDTH INDICATED ON THE OWNER FURNISHED DRAWINGS. THE ANGLE FORMED BY THE INTERSECTION OF THE PLANCE OF THE BEVEL WITH THE MAJOR SURFACE FACE OF THE GLASS SHALL BE BETWEEN 3 TO 10 DEGREES. THE BEVELED SURFACE AND THE NOSE OF THE BEVEL BODIED MIRROR SHALL BE POLISHED TO A HIGH GLOSS SURFACE WHERE THE SURFACE REFLECTIVITY IS SIMILAR IN APPEARANCE TO THE MAJOR SURFACE OF THE GLASS.
 - c. EDGE SEALING: IMMEDIATELY AFTER CUTTING THE FINAL SIZES, AND APPLYING EDGE TREATMENT, FACTORY SEAL EDGES OF MIRRORS WITH EDGE SEALER TO PREVENT CHEMICAL OR ATMOSPHERIC PENETRATION OF GLASS COATING.
 - F. MISCELLANEOUS MATERIALS
 - 1. SETTING BLOCK: NON-RUBBER OR NON-NEOPRENE BASED ELASTOMERIC MATERIAL. MANUFACTURED FOR SETTING SILVERED FLAT GLASS MIRRORS, COMPATIBLE WITH ADHESIVE USED FOR PLACEMENT, WITH A TYPE A SHORE DUROMETER HARDNESS OF 85, PLUS OR MINUS 5. 1/8" WIDE X 1/4" HIGH X 4" LONG.
 - 2. EDGE SEALER: COATING COMPATIBLE WITH GLASS COATING AND APPROVED BY MIRROR MANUFACTURER FOR USE IN PROTECTING AGAINST SILVER DETERIORATION AT MIRROR EDGES.
 - 3. MIRROR MASTIC: PALMER PRODUCTS CORP., "QMIKSET MIRRO-MASTIC", (502) 893-3668, (800) 431-6151, FAX (502) 893-9253.
 - 4. DRYWALL AND PLYWOOD PAINT (POROUS SUBSTRATE PRIMER): MASTERCHEM INDUSTRIES INC., "KILLZ ORIGINAL", (866) 744-6371.
 - 5. TOP AND BOTTOM ALUMINUM CHANNELS: ALUMINUM EXTRUSIONS WITH A RETURN DEEP ENOUGH TO PRODUCE A GLAZING CHANNEL TO ACCOMMODATE 6 MM THICK MIRRORS AND HEAVY J-GCHANNELS FORMED WITH FRONT LEG AND BACK LEG NOT LESS THAN 3/8" AND 1-3/16" IN HEIGHT, RESPECTIVELY.
 - a. BOTTOM TRIM: C.R. LAURENCE CO. INC., 1/4" STANDARD "J" CHANNEL (CATALOG NUMBER 2646P POLISHED FINISH), (800) 421-6144, FAX (800) 262-3299.
 - J-CHANNELS FORMED WITH FRONT LEG AND BACK LEG NOT LESS THAN 5/8" AND 1-3/16" IN HEIGHT, RESPECTIVELY.
 - b. TOP TRIM: C.R. LAURENCE CO. INC., 1/4" DEEP NOSE "J" CHANNEL (CATALOG NUMBER 2646P POLISHED FINISH), (800) 421-6144, FAX (800) 262-3299.

- 6. STUD FASTENERS: PROVIDE #6 GAGE DIAMETER, 1-5/8" LONG, PHILLIPS BUGLE HEAD, SLEF-DRILLING TYPE, FINE THREADED STEEL SCREW FASTENERS IN QUANTITY AS REQUIRED FOR SUPPORT AND FASTENING OF WOOD TRIMS AND MIRRORS CHANNELS TO DRYWALL STUDS OF ALL CHANNELS SHALL BE FACTORY SNIPPED AND FILED SO THAT THEY WILL NOT BE SEEN AFTER INSTALLATION.
 - a. BOTTOM TRIM: C.R. LAURENCE CO. INC., 1/4" STANDARD "J" CHANNEL (CATALOG NUMBER 2646P POLISHED FINISH), (800) 421-6144, FAX (800) 262-3299.
 - J-CHANNELS FORMED WITH FRONT LEG AND BACK LEG NOT LESS THAN 5/8" AND 1-3/16" IN HEIGHT, RESPECTIVELY.
- 7. PLASTIC WOOD FILLER: COMMERCIAL QUALITY WOOD FILLER SPECIFICALLY MANUFACTURED TO ADVANCE THE FINAL BUILD AND SMOOTHNESS OF THE INSTALLED WOOD TRIM SURFACE BY FILLING DENTS, SCRATCHES, MITER JOINTS, AND VOIDS ABOVE COUNTERSUNK FASTENER HEADS. THE SELECTED FILLER SHALL BE EITHER NEUTRAL OR TINTED TO MATCH THE COLOR OF THE WOOD TRIM.
- 8. PLYWOOD FASTENERS: PROVIDE MINIMUM #6 GAGE DIAMETER, PHILLIPS FLAT HEAD, SHARP POINTED, COARSE THREADED, STEEL WOOD SCREW FASTENERS IN QUANTITY AS REQUIRED. FURNISH PLYWOOD FASTENERS IN LENGTH AS REQUIRED TO SPAN THROUGH WOOD MIRROR TRIM, AND MIRROR CHANNELS, PLUS 3/4".
- 9. WOOD MIRROR TRIM.

- G. EXAMINATION
 - 1. EXAMINE SUBSTRATES, OVER WHICH MIRRORS ARE TO BE MOUNTED, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH INSTALLATION TOLERANCES, SUBSTRATE PREPARATION, AND OTHER CONDITIONS AFFECTING PERFORMANCE.
 - 2. VERIFY COMPATIBILITY AND SUITABILITY OF SUBSTRATES, INCLUDING
 - a. COMPATIBILITY OF MIRROR MASTIC WITH EXISTING FINISHES OR PRIMERS. PROCEED WITH MIRRORRED GLASS INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED AND SURFACES ARE DRY.
- H. PREPARATION
 - 1. COMPLY WITH MASTIC MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS FOR PREPARATION OF SUBSTRATES.
 - a. MIRROR, DRYWALL AND PLYWOOD SUBSTRATES SHALL BE FREE OF DUST, BE CLEAN, AND DRY PRIOR TO APPLICATION OF MIRROR MASTIC AND DRYWALL AND PLYWOOD PAINT. IF PLYWOOD OR DRYWALL SURFACES HAVE BEEN PAINTED PRIOR TO APPLICATION OF THE SPECIFIED DRYWALL AND PLYWOOD PAINT THE EXISTING PAINT SHALL BE SANDED THROUGH THE ORIGINAL SURFACE AND THE SUBSTRATE CLEANED PRIOR TO THE APPLICATION OF DRYWALL AND PLYWOOD PAINT.

- I. GLAZING
 - 1. GENERAL: INSTALL MIRRORS WITH MIRROR GLAZING CHANNELS TO COMPLY WITH WRITTEN INSTRUCTION OF MIRROR AND MIRROR GLAZING CHANNEL MANUFACTURERS, WITH REFERENCED GANA AND NGA PUBLICATIONS, OWNER FURNISHED DRAWINGS, AND AS SPECIFIED. MOUNT MIRRORS PLUMB, IN LINE AND IN A MANNER THAT AVOIDS DISTORTING REFLECTED IMAGES.
 - 2. COMPLY WITH MASTIC MANUFACTURER'S PRINTED DIRECTIONS FOR PREPARATION AND SEALING OF MOUNT SURFACES BY SEALING DRYWALL, AND PLYWOOD, SUBSTRATES WITH DRYWALL AND PLYWOOD PAINT. ALLOW PAINT TO DRY BEFORE APPLYING MIRROR MASTIC.
 - 3. MIRROR CHANNEL INSTALLATION:
 - a. TO PLYWOOD: DRILL, DO NOT DIMPLE, BACK LIP OF CHANNEL TO RECEIVE FASTENERS WITH HOLES PROPERLY SIZED AND SPACED TO RECEIVE FASTENERS. ATTACH MIRROR CHANNELS BY SCREW ATTACHING MIRROR CHANNEL THROUGH THE BACK OF MIRROR MASTIC AND PLYWOOD SUBSTRATE IN ACCORDANCE WITH MIRROR FASTENER MANUFACTURERS WRITTEN INSTRUCTIONS. INSTALL THE WEB OF THE TOP CHANNEL 1/4" HIGHER THAN THE HEIGHT OF THE MIRROR TO ALLOW THE RAISING OF THE MIRROR IN TO THE TOP CHANNEL AND ITS SUBSEQUENT LOWERING INTO THE BOTTOM CHANNEL. AFTER INSTALLING FASTENERS PLACE MASKING TAPE OVER THE ENTIRE LENGTH OF THE BACK LIP OF THE CHANNEL COMPLETELY COVERING THE FASTENER HEADS TO PROTECT THE MIRROR FROM BEING CHIPPED IN SETTING. ADHERE SETTING BLOCKS AT QUARTER POINTS FOR BOTTOM MIRROR CHANNELS USING ONLY 2 SETTING BLOCKS PER MIRROR PANEL.

NOTE - EQUIVALENT STUDS THAT HAVE A THICKNESS LESS THAN SPECIFIED BELOW ARE NOT ACCEPTABLE. EXAMPLES INCLUDE CLARKDIETRICH PROSTUD20, PROSTUD 25, MARINOWARE VIPOR STUD, CRACO SMARTFRAME.

LIGHT GAGE FRAMING - MINIMUM PROPERTIES

MIL THICKNESS - GAGE NUMBER CROSS REFERENCE	
25 GA. ----- 18 MIL	16 GA. ----- 54 MIL
22 GA. ----- 27 MIL	14 GA. ----- 68 MIL
20 GA. ----- 33 MIL	12 GA. ----- 97 MIL
18 GA. ----- 43 MIL	

EXAMPLE CROSS REFERENCE:

3 5/8", 18 GA STRUCTURAL METAL STUD = 362 5 162 - 43 METAL STUD

STUD (S=STUD)	FLANGE	STUD DEPTH (T=TRACK)	WIDTH	THICKNESS
+3 5/8"	+1 5/8"	+1 1/2"	+4 3/4"	+3 MIL (18 GA.)
+3 5/8"	+1 5/8"	+1 1/2"	+4 3/4"	+3 MIL

TYPICAL STRUCTURAL STUDS AND TRACKS

FORMER STANDARD DESIGNATION	CURRENT SAMA DESIGNATION (STEEL STUD MANUFACTURERS ASSOCIATION)
2 1/2", 20 GA. STUD w/ 1 5/8" FLANGE	2509162-33
2 1/2", 18 GA. STUD w/ 1 5/8" FLANGE	2509162-43
3 5/8", 20 GA. STUD w/ 1 5/8" FLANGE	3629162-33
3 5/8", 18 GA. STUD w/ 1 5/8" FLANGE	3629162-43
6", 20 GA. STUD w/ 1 5/8" FLANGE	6009162-33
6", 18 GA. STUD w/ 1 5/8" FLANGE	6009162-43
8", 18 GA. STUD w/ 1 5/8" FLANGE	8009162-43
8", 16 GA. STUD w/ 1 5/8" FLANGE	8009162-54
10", 18 GA. STUD w/ 1 5/8" FLANGE	10009162-43
10", 16 GA. STUD w/ 1 5/8" FLANGE	10009162-54
12", 16 GA. STUD w/ 1 5/8" FLANGE	12009162-54
12", 14 GA. STUD w/ 1 5/8" FLANGE	12009162-97
1 5/8", 22 GA. TRACK w/ 1 1/4" LEG	1627125-27
1 5/8", 20 GA. TRACK w/ 1 1/4" LEG	1627125-33
2 1/2", 20 GA. TRACK w/ 1 1/4" LEG	2507125-33
2 1/2", 20 GA. TRACK w/ 2" LEG	2507200-33
2 1/2", 18 GA. TRACK w/ 1 1/4" LEG	2507125-43
2 1/2", 18 GA. TRACK w/ 2" LEG	2507200-43
3 5/8", 20 GA. TRACK w/ 1 1/4" LEG	3627125-33
3 5/8", 20 GA. TRACK w/ 2" LEG	3627200-33
3 5/8", 18 GA. TRACK w/ 1 1/4" LEG	3627125-43
3 5/8", 18 GA. TRACK w/ 2" LEG	3627200-43
6", 20 GA. TRACK w/ 1 1/4" LEG	6007125-33
6", 20 GA. TRACK w/ 2" LEG	6007200-33
6", 18 GA. TRACK w/ 1 1/4" LEG	6007125-43
6", 18 GA. TRACK w/ 2" LEG	6007200-43

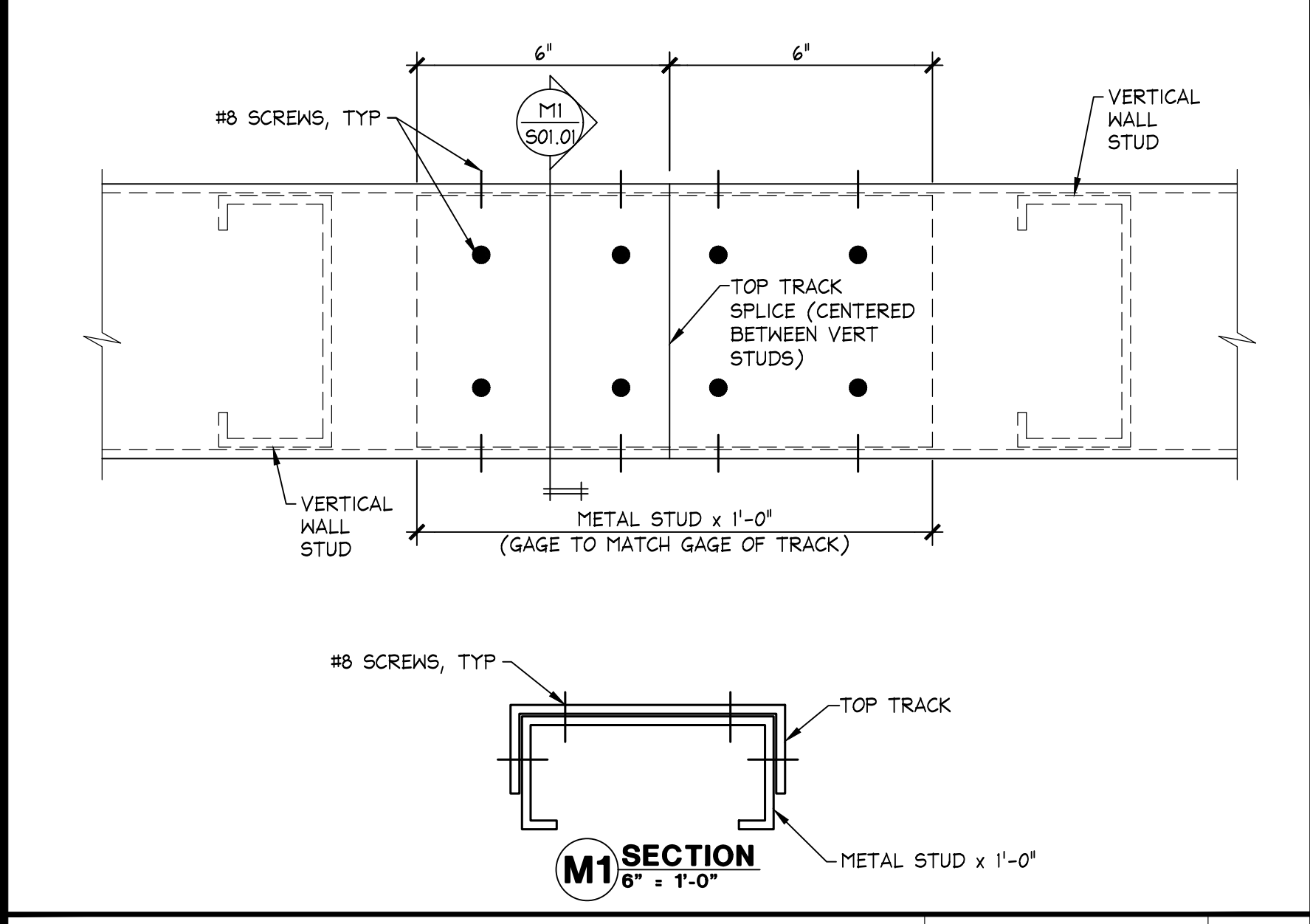
TYPICAL HAT (FURRING) CHANNELS

7/8", 25 GA. FURRING CHANNEL	087F125-18
7/8", 22 GA. FURRING CHANNEL	087F125-27

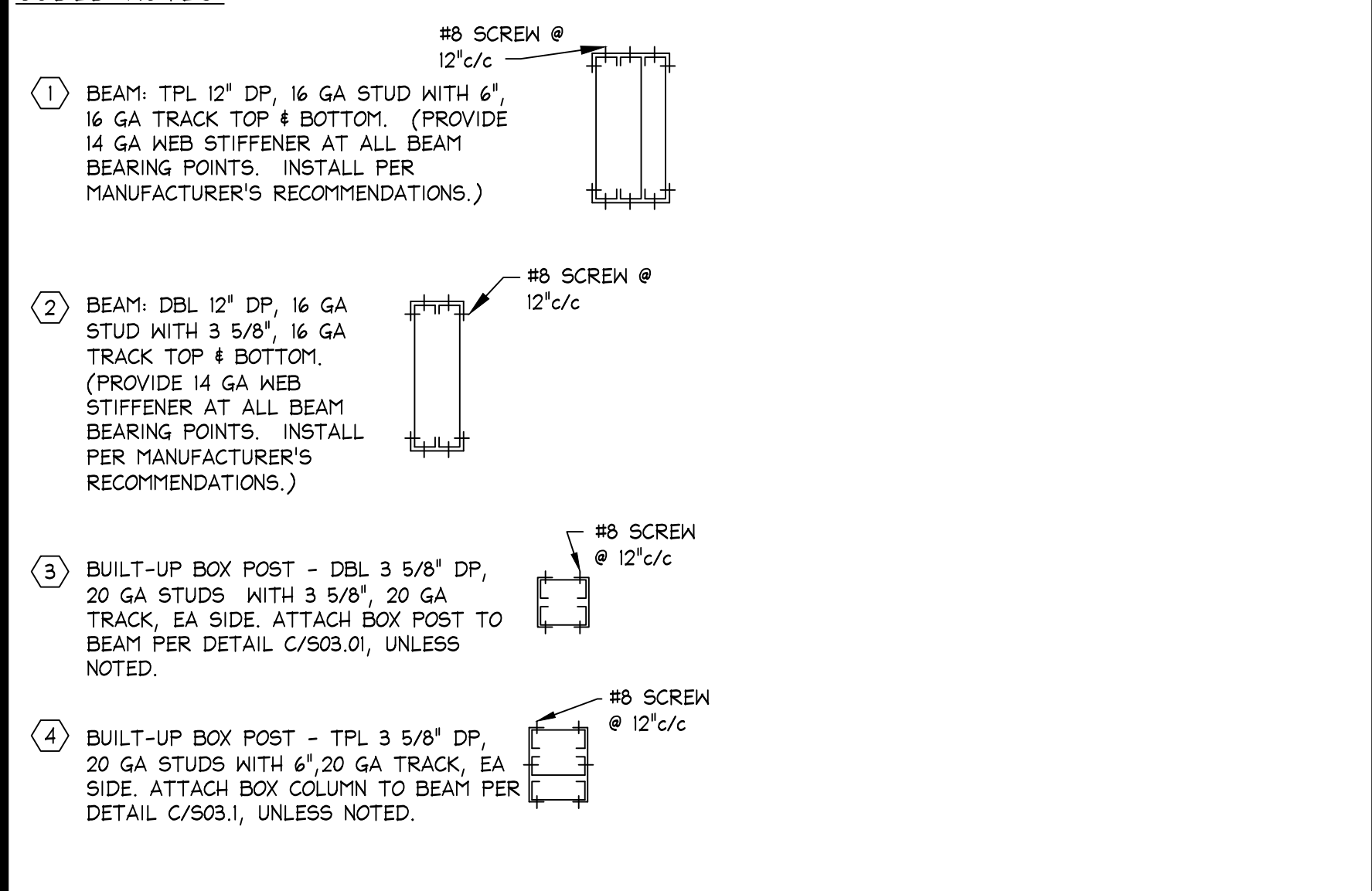
LIGHT GAGE FRAMING SCREW CONNECTIONS

UNLESS NOTED, LIGHT GAGE FRAMING CONNECTIONS SHALL BE MADE USING #8 SCREWS. SEE DETAIL A/S03.01 FOR DIAGONAL BRACING CONNECTIONS.

AT LOCATIONS WHERE SHEATHING MATERIAL IS PLACED AGAINST THE SCREW HEADS OF LIGHTGAGE METAL FRAMING CONNECTIONS, PANCAKE HEAD SCREWS SHALL BE USED SO THAT THE SHEATHING MATERIAL REMAINS STRAIGHT AND SMOOTH.



TOP TRACK SPLICE STRUCTURAL STUDS



STRUCTURAL NOTES:

A. CONTROLLING BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE W/ STATE & LOCAL AMENDMENTS
SEISMIC DESIGN CATEGORY D

B. STRUCTURAL COLD FORMED METAL FRAMING

- ALL STOREFRONT FRAMING SHOWN IN STRUCTURAL SECTIONS (S02 XX DRAWINGS) AND AS NOTED STRUCTURAL SHALL CONFORM TO THE REQUIREMENT OF THIS SECTION.
- COLD FORMED STEEL FRAMING SHALL CONFORM TO REQUIREMENTS OF THE CURRENT EDITION OF AISI "SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
- ALL MEMBERS SHALL BE FORMED FROM CORROSION-RESISTANT STEEL (GRADE 33 UNLESS OTHERWISE SPECIFIED) AND THEN ZINC COATED PER ASTM A653, GRADE G-60.
- ALL COLD FORMED MEMBERS SHALL COME FROM A SINGLE MANUFACTURER, "CLARKDIETRICH" OR EQUAL. THE INSTALLATION SHALL COMPLY WITH THE MANUFACTURER'S RECOMMENDATIONS.
- DESIGN BASED ON $F_y = 33$ KSI FOR MEMBERS 45 MILS AND LIGHTER. $F_y = 50$ KSI FOR MEMBERS 54 MILS AND HEAVIER.
- ALL STOREFRONT FRAMING SHOWN IN THE STRUCTURAL SECTIONS SHALL HAVE 1/8" FLANGES AND WEB DEPTHS AS INDICATED ON THE DRAWINGS.
- TRACK BLOCKING IN WALLS AND CEILING SHOWN IN THE ARCHITECTURAL DRAWINGS SUCH AS F/A12.01, ETC. SHALL BE 18 GA (43 MIL) WITH 1 1/4" FLANGES.
- SEE SECTION L/S03.01 FOR DEEP LEG DEFLECTION TRACK DETAILS.
- BASE TRACKS SHALL BE SET ON SMOOTH AND LEVEL CONCRETE OR NON-SHRINK GROUT SUCH AS "MASTERFLOW 710" BY MASTER BUILDERS. FASTENING OF COMPONENTS SHALL BE WITH SELF-DRILLING CADMIUM PLATED OR ZINC COATED SCREWS (UNLESS NOTED). SCREWS SHALL BE OF SUFFICIENT SIZE TO ENSURE THE STRENGTH OF THE CONNECTION. SEE DETAIL R/S01.01 FOR ADDITIONAL SCREW REQUIREMENTS.
- SPICES IN FRAMING COMPONENTS OTHER THAN TOP AND BOTTOM WALL TRACK ARE NOT PERMITTED. SEE DETAIL T/S01.01 FOR SPICES IN TOP WALL TRACK.
- ATTACH BOTTOM TRACKS WITH 0.157" DIA POWDER ACTUATED FASTENERS (HILTI X-U OR EQUIVALENT) AT 16" O.C., TYP U.N.
- STUDS SHALL BE INSTALLED SO THE ENDS ARE POSITIONED AGAINST THE INSIDE OF THE RUNNER TRACK WEB PRIOR TO FASTENING AND SHALL BE ATTACHED TO BOTH FLANGES OF THE UPPER AND LOWER RUNNER TRACKS, WITH (1)-#8 SCREW IN EACH FLANGE OF EACH STUD, UNLESS NOTED.

C. NON-STRUCTURAL COLD FORMED METAL FRAMING

- ALL INTERIOR FRAMING NOT COVERED IN STRUCTURAL LIGHTGAGE FRAMING SECTION SHALL COMPLY WITH THIS SECTION.
- COLD FORMED STEEL FRAMING SHALL CONFORM TO REQUIREMENTS OF THE CURRENT EDITION OF THE AMERICAN IRON AND STEEL INSTITUTE PUBLICATION "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL FRAMING - NONSTRUCTURAL MEMBERS", EXCEPT AS OTHERWISE SHOWN OR SPECIFIED.
- FRAMING MEMBERS SHALL COMPLY WITH ASTM C 645 FOR CONDITIONS INDICATED. STEEL SHEET COMPONENTS SHALL COMPLY WITH ASTM C 646 AND PROTECTIVE COATING SHALL COMPLY WITH ASTM A 653 G40 OR HAVE A COATING THAT PROVIDES EQUIVALENT CORROSION RESISTANCE. A40 GALVANNEAL PRODUCTS ARE NOT ACCEPTABLE.
- FRAMING SHALL HAVE A MINIMUM THICKNESS OF 0.09 INCHES (57 KSI MINIMUM YIELD STRENGTH) OR 0.080 INCHES (33 KSI MINIMUM YIELD STRENGTH).
- FRAMING SHALL HAVE 1 1/4" FLANGES AND WEB DEPTHS INDICATED ON THE DRAWINGS.
- FRAMING BASIS OF DESIGN: CLARKDIETRICH PROSTUD20, MARINOWARE VIPOR 20, 30 MIL, 33 KSI DRYWALL STUDS ARE ALSO ACCEPTABLE ALTERNATIVES. IF SUBSTITUTIONS ARE REQUESTED, THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVING THE SUBSTITUTION IS AT LEAST EQUIVALENT TO THE BASIS OF DESIGN. THIS INCLUDES SUBMITTING LOAD TABLES SHOWING THE SUBSTITUTED STUDS MEET OR EXCEED THE UNBRACED HEIGHTS GIVEN IN THE NON-COMPOSITE TABLES OF THE BASIS OF DESIGN STUDS AS WELL AS TESTING DATA THAT INDICATES

D. STRUCTURAL STEEL

- STRUCTURAL STEEL SHALL CONFORM TO THE AISI "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", CURRENT EDITION.
- WELDED CONNECTIONS SHALL CONFORM TO THE CURRENT REVISED CODE OF THE AMERICAN WELDING SOCIETY, AWS D1.0. WELDING ELECTRODES SHALL BE E70XX, LOW HYDROGEN.
- BOLTS AND BOLTED CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" CURRENT EDITION. SEE SECTIONS AND DETAILS FOR SPECIFIC CONNECTION REQUIREMENTS.
- STRUCTURAL STEEL BEAMS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A992, $F_y = 50$ KSI. STEEL TUBE SHALL CONFORM TO THE REQUIREMENTS OF ASTM A500, GRADE C, $F_y = 50$ KSI. STEEL PIPE SHALL CONFORM TO THE REQUIREMENTS OF ASTM A501, $F_y = 36$ KSI. ALL OTHER STEEL SHAPES, PLATES, ETC., SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36, $F_y = 36$ KSI.

E. CAST-IN-PLACE CONCRETE

- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS, WITH A WATER CEMENT RATIO = 50 (MAXIMUM). CONCRETE EXPOSED TO WEATHER SHALL BE AIR-ENTRAINED AT 6% ± 1.5%.
- ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185 DELIVERED IN FLAT SHEETS.
- ALL MIXES SHALL INCLUDE EITHER ASTM C150 PORTLAND CEMENT OR ASTM C596 PORTLAND-LIMESTONE CEMENT.
- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE CURRENT EDITION OF ACI.
- ALL REINFORCING DETAILS SHALL CONFORM TO "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" CURRENT EDITION OF ACI, UNLESS DETAILED OTHERWISE ON THE STRUCTURAL DRAWINGS.
- CONTRACTOR SHALL VERIFY LOCATIONS OF ALL OPENINGS, SLEEVES, ANCHOR BOLTS, INSERTS, ETC., AS REQUIRED BY OTHER TRADES BEFORE CONCRETE IS PLACED.
- CONTRACTOR SHALL PROVIDE SPACERS, CHAIRS, BOLSTERS, ETC., NECESSARY TO SUPPORT REINFORCING STEEL CHAIRS WHICH BEAR ON EXPOSED CONCRETE SURFACES SHALL HAVE ENDS WHICH ARE PLASTIC TIPPED OR STAINLESS STEEL CHAIRS WHICH BEAR ON EXPOSED CONCRETE SURFACES TO RECEIVE SANDBLAST FINISH SHALL BE STAINLESS STEEL.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:
 - 3" --- CONCRETE CAST AGAINST A PERMANENTLY EXPOSED TO EARTH.
 - 2" --- CONCRETE EXPOSED TO EARTH OR WEATHER, #6 THRU #8 BARS.
 - 1-1/2" --- CONCRETE EXPOSED TO EARTH OR WEATHER, #5 BAR & SMALLER.
 - 1-1/2" --- CONCRETE NOT EXPOSED TO WEATHER NOR IN CONTACT WITH EARTH FOR THE PRIMARY REINFORCEMENT, TIES, STIRRUPS AN SPIRALS

F. MASONRY WALL CONSTRUCTION

- MASONRY CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT VERSIONS OF ACI 530 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" AND ACI 530.1 "SPECIFICATIONS FOR MASONRY STRUCTURES".
- HOLLOW LOAD BEARING UNITS SHALL BE NORMAL HEIGHT, TYPE N1, CONFORMING TO ASTM C90, WITH A MINIMUM NET COMPRESSIVE STRENGTH OF 2500 PSI ($f_m = 1900$ PSI).
- MORTAR SHALL BE TYPE M OR S, CONFORMING TO ASTM C270.
- COURSE GROUT SHALL CONFORM TO ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.
- VERTICAL REINFORCEMENT SHALL BE AS NOTED ON THE DRAWINGS WITH CELLS FILLED WITH COARSE GROUT.
- VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT THE TOP AND BOTTOM AND AT A MAXIMUM SPACING OF 8'-0". REINFORCEMENT SHALL BE PLACED IN THE CENTER OF THE MASONRY CELL, TYPICAL UNLESS OTHERWISE NOTED.
- REINFORCING STEEL SHALL BE LAPPED MINIMUM AS LISTED BELOW:
 - #4 BAR, 8' CMU = 18 IN
 - #5 BAR, 8' CMU = 20 IN
 - #5 BAR, 12' CMU = 18 IN
- WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH A VERTICAL CORE, IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL IN SIX VERTICALS. DOWELS SHALL BE GROUDED INTO A CORE IN THE VERTICAL ALIGNMENT, EVEN THOUGH IT IS IN THE CELL ADJACENT TO THE VERTICAL WALL REINFORCEMENT.
- HORIZONTAL WALL REINFORCEMENT SHALL BE STANDARD TRUSS TYPE DUR-O-MAL AT 16" C/C, UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
- SPLICED WIRE REINFORCEMENT SHALL BE LAPPED AT LEAST 6' AND CONTAIN AT LEAST ONE CROSS WIRE OF EACH PIECE OF REINFORCEMENT WITHIN THE 6 INCHES. LAP WITH STANDARD "T" AND "L" SHAPED PIECES AT INTERSECTIONS AND CORNERS.
- PROVIDE A MINIMUM OF 3 COURSES HIGH BY 2 COURSES WIDE GROUDED SOLID MASONRY AT BEAM BEARING POINTS.
- PROVIDE PRECAST CONCRETE LINTELS OVER ALL OPENINGS UNLESS NOTED OTHERWISE ON DRAWINGS. LINTELS SHALL BE OF SUFFICIENT SIZE AND REINFORCEMENT FOR THE GIVEN SPANS AND LOADING CONDITIONS. SUBMIT SHOP DRAWINGS WITH RATED LOAD CAPACITIES TO THE ARCHITECT FOR REVIEW.
- PROVIDE A KNOCK-OUT BLOCK OR U-BLOCK REINFORCED WITH (1)-#5 CONTINUOUS AT THE SILL OF ALL WINDOW OPENINGS. EXTEND 16" BEYOND EACH SIDE OF THE OPEN TYPICALLY.
- BOND PILASTERS TO ADJOINING MASONRY WALLS WITH INTERLOCKING UNITS.
- PROVIDE TWO COURSES BY 16" WIDE SOLID OR GROUDED SOLID MASONRY AT JOIST AND LINTEL BEARING POINTS.
- FRAMING LUMBER - NOT USED

G. LAMINATED VENEER LUMBER BEAMS (LVL) - NOT USED

SEISMIC DESIGN CATEGORIES A, B, C, D, E & F

SEISMIC DESIGN CATEGORY	STUD SIZE MATRIX - STRUCTURAL STUDS
A	1/8" = 1'-0"
B	1/8" = 1'-0"
C	1/8" = 1'-0"
D	1/8" = 1'-0"
E	1/8" = 1'-0"
F	1/8" = 1'-0"

CODED NOTES

CODED NOTE	LOCATION
R	02.01.16
L	11.11.16

STRUCTURAL SPECIFICATIONS

STRUCTURAL SPECIFICATION	LOCATION
C	11.11.16

TABLE 1
STUD SIZE MATRIX FOR ALL INTERIOR PARTITIONS EXCEPT AS NOTED IN TABLES 2 & 3

SEISMIC DESIGN CATEGORIES D, E & F

STUD DESIGNATION	STUD DEPTH	FLANGE WIDTH	STUD GAUGE	STUD SPACING	MAXIMUM WALL HEIGHT SPANNING FROM FLOOR TO DECK
3629162-33	3 5/8"	1 5/8"	20	16"	17'-6"
3629162-43	3 5/8"	1 5/8"	18	16"	19'-0"
3629162-54	3 5/8"	1 5/8"	16	16"	20'-6"
6009162-33	6"	1 5/8"	20	16"	25'-6"
6009162-43	6"	1 5/8"	18	16"	28'-6"
6009162-54	6"	1 5/8"	16	16"	30'-0"

TABLE 2
STUD SIZE MATRIX FOR UNIT 6 & UNIT 7 CABINET WALLS

SEISMIC DESIGN CATEGORIES D, E & F

FULL HEIGHT VERTICAL STUDS SHALL BE 3 5/8", 20 GA STUDS (WITH 1 5/8" FLANGE) @ 18" O.C. MAX. INSTALL DIAGONAL BRACING AT APPROXIMATELY 11'-6" A.F.F. AS SHOWN IN THESE SECTIONS

TABLE 3
STUD SIZE MATRIX FOR PARTITIONS THAT LATERALLY SUPPORT FLOOR MOUNTED STOCKROOM SHELVING

SEE DRAWING S03.02

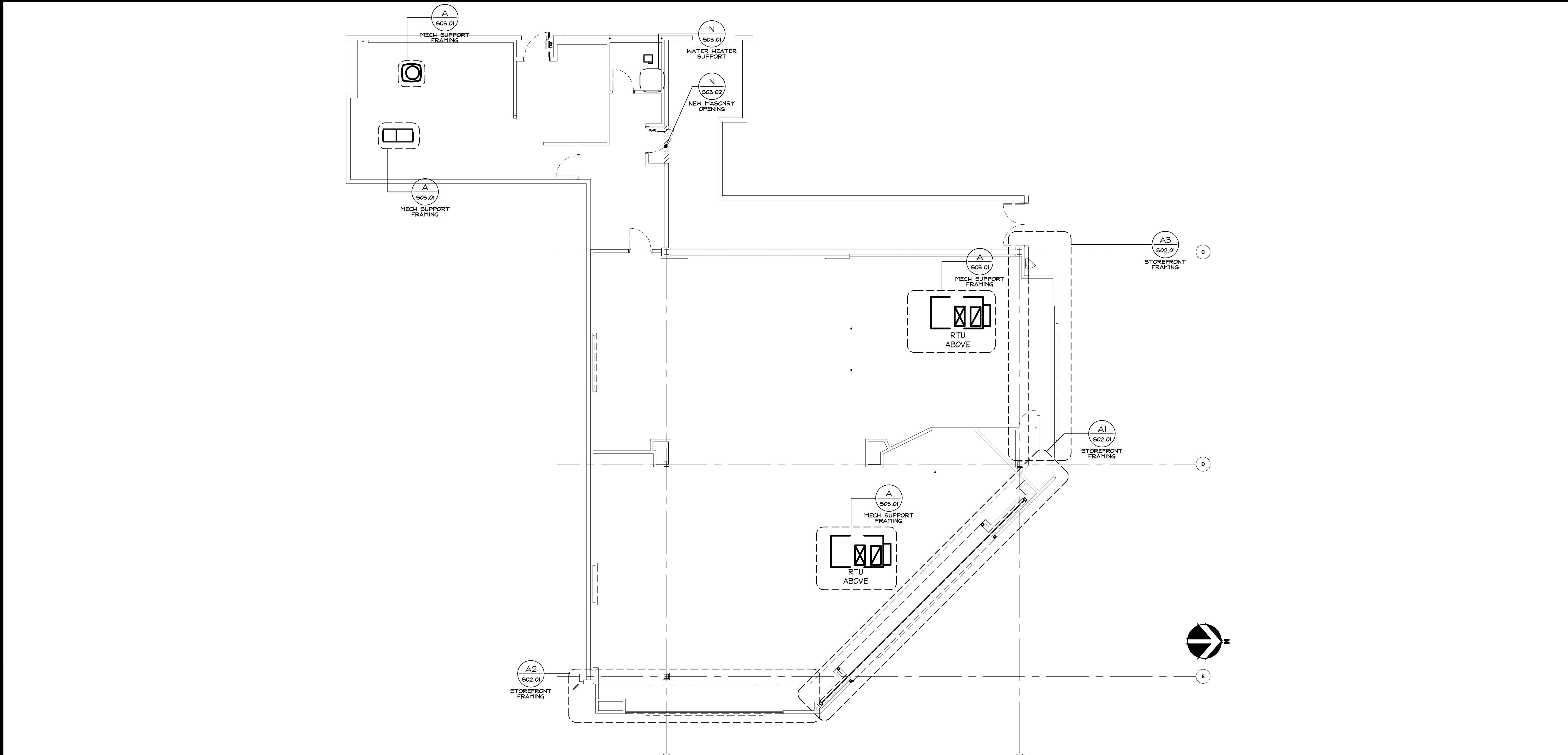
NOTE: FOR ALL THREE TABLES ABOVE, AT LOCATIONS WHERE SHELVING OCCURS ON EACH SIDE OF A SINGLE STUD WALL, REDUCE THE STUD SPACING SHOWN IN THE TABLES ABOVE BY ONE-HALF, AND REDUCE THE DIAGONAL BRACING SHOWN IN DETAIL A/S03.01 BY ONE-HALF.

NOTES:

- DESIGN BASED ON ALLOWABLE DEFLECTION OF L/200.
- PROVIDE HORIZONTAL BRIDGING @ 4'-0" O.C. MAX. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- DESIGN BASED ON MINIMUM 5 PSF LATERAL LOAD, OR LATERAL SEISMIC LOAD, WHICHEVER CONTROLS.
- TABLE IS VALID FOR UP TO (2) LAYERS OF 5/8" THK GYPSUM BOARD ON EACH SIDE OF METAL STUDS.
- SEE A/S03.01 FOR DIAGONAL BRACING DETAILS.

SEISMIC DESIGN CATEGORIES D, E & F

SEISMIC DESIGN CATEGORY	STUD SIZE MATRIX - STRUCTURAL STUDS
N	1/8" = 1'-0"



LOCATION PLAN

LOCATION PLAN	STUD SIZE MATRIX - STRUCTURAL STUDS
A	1/8" = 1'-0"

GF

www.greenbergfarrow.com
21 South Evergreen Ave.
Suite 200
Arlington Heights, IL 60015

Proj: 20221012

Expires 6/18/24
date 11/4/22

Bath & Body Works

Three Limited Parkway - Columbus, Ohio 43230
Telephone: 614.445.7000 · Fax: 614.415.7349

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104.01.0737.01

BATH & BODY WORKS

SOUTH HILL MALL
3500 S. MERIDIAN STREET
FOTALLUP, WA 98373

REVISIONS:

NO.	DESCRIPTION	DATE

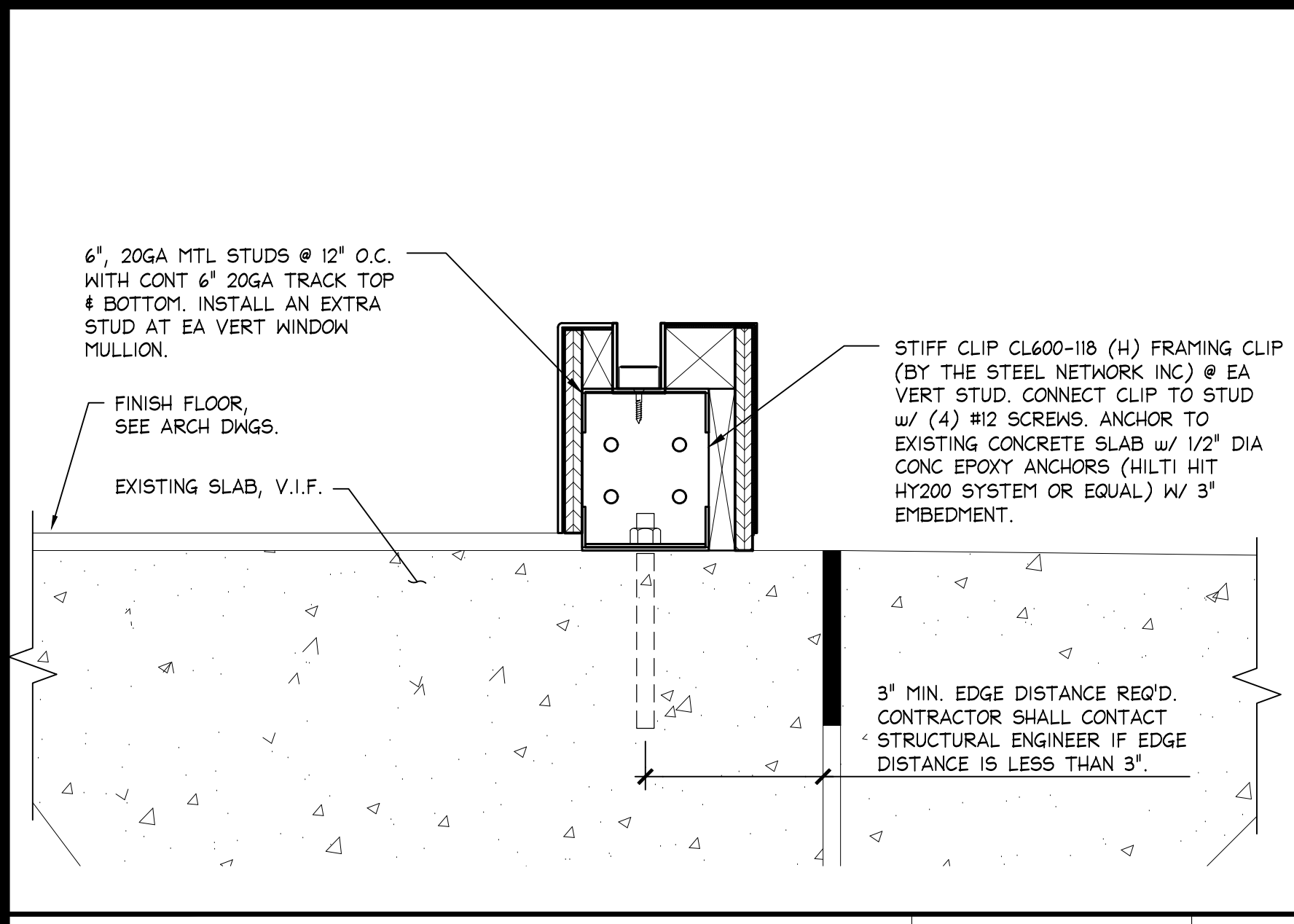
DATE ISSUED: 11/04/2022
DESIGNED BY: AD
DRAWN BY: AD
CHECKED BY: MH

STRUCTURAL SPECIFICATIONS AND NOTES

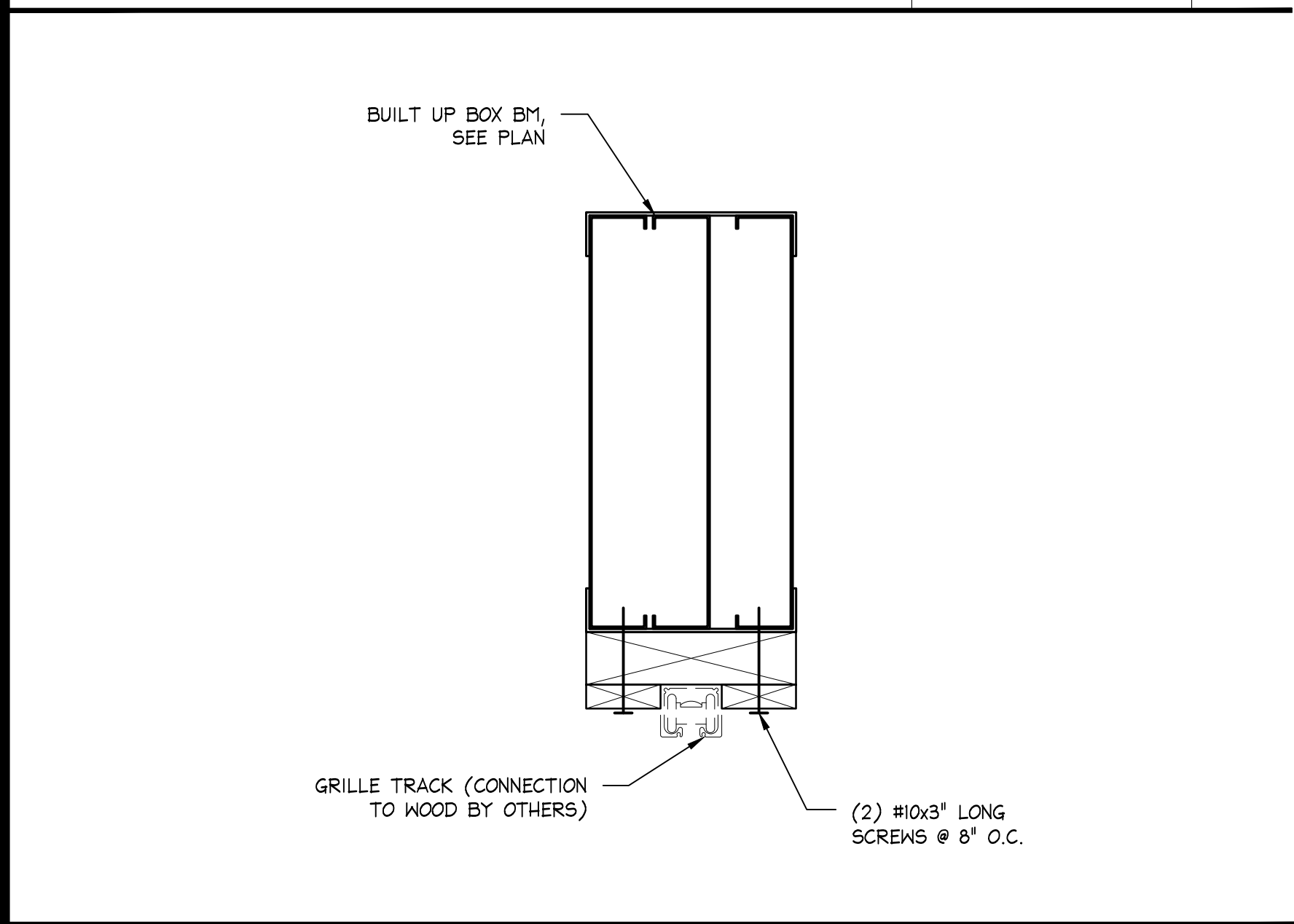
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PACKAGE: SIS, PKG 2
23150.00
2022.10.12.0

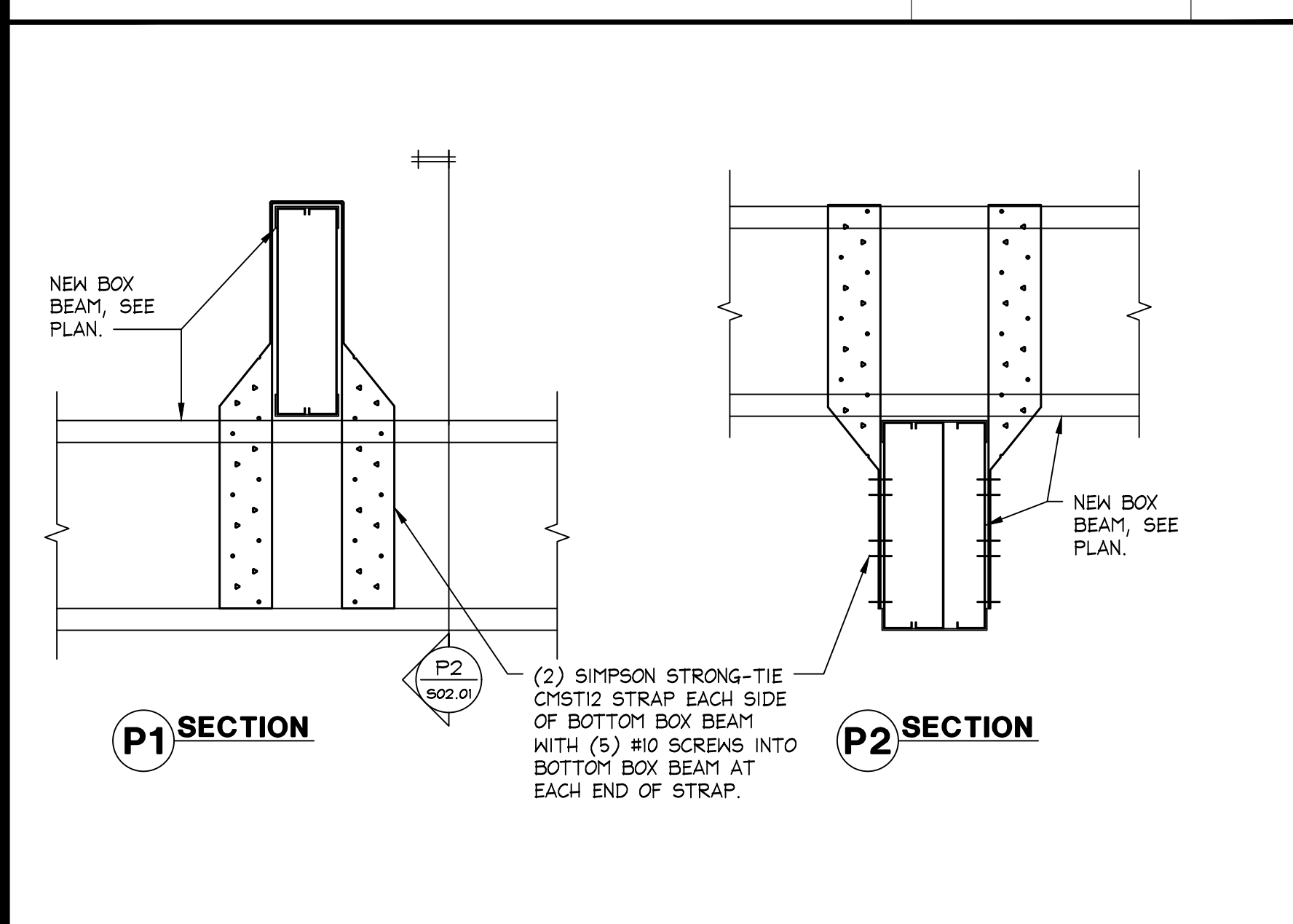
FULL REMODEL
BBW ES/WBC 2021
00116082
A/E PROJECT #:



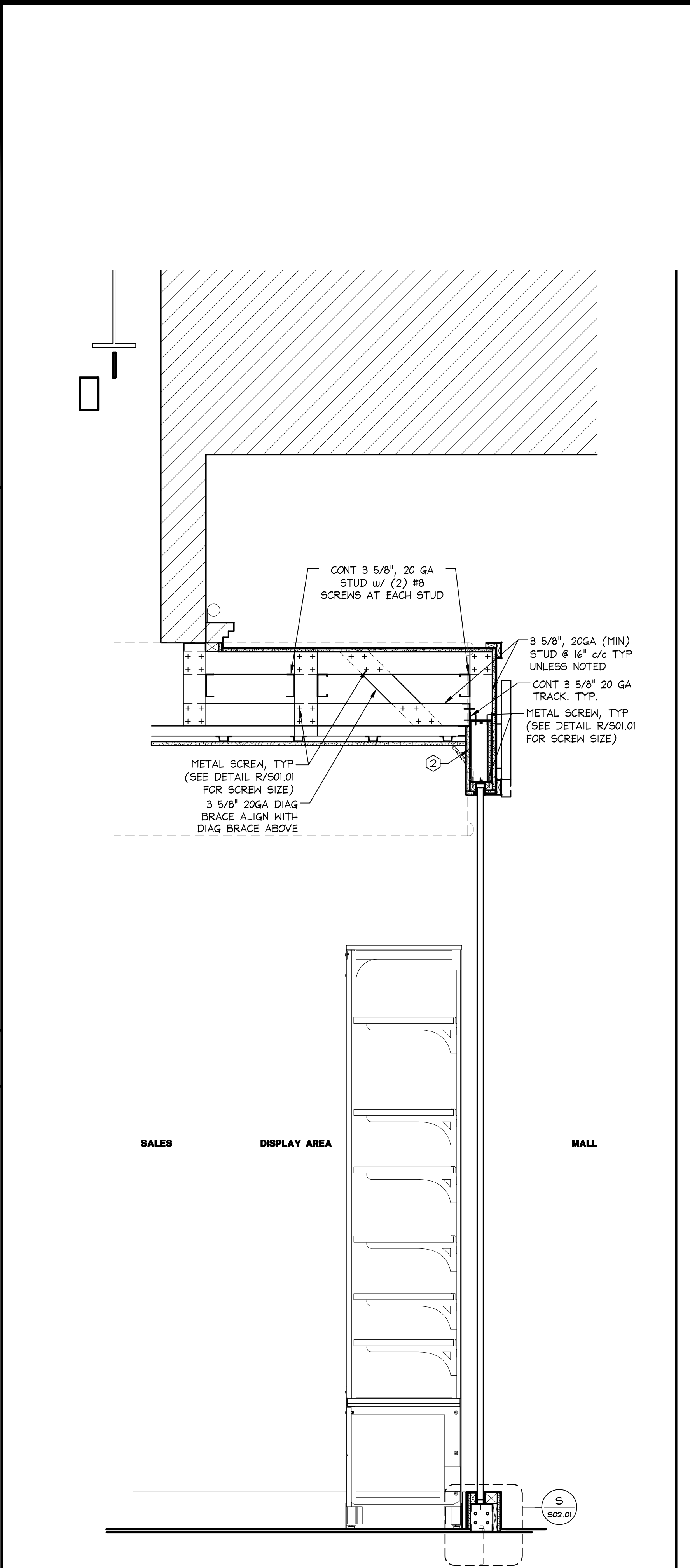
KNEE WALL DETAIL 3\"=1'-0\" S



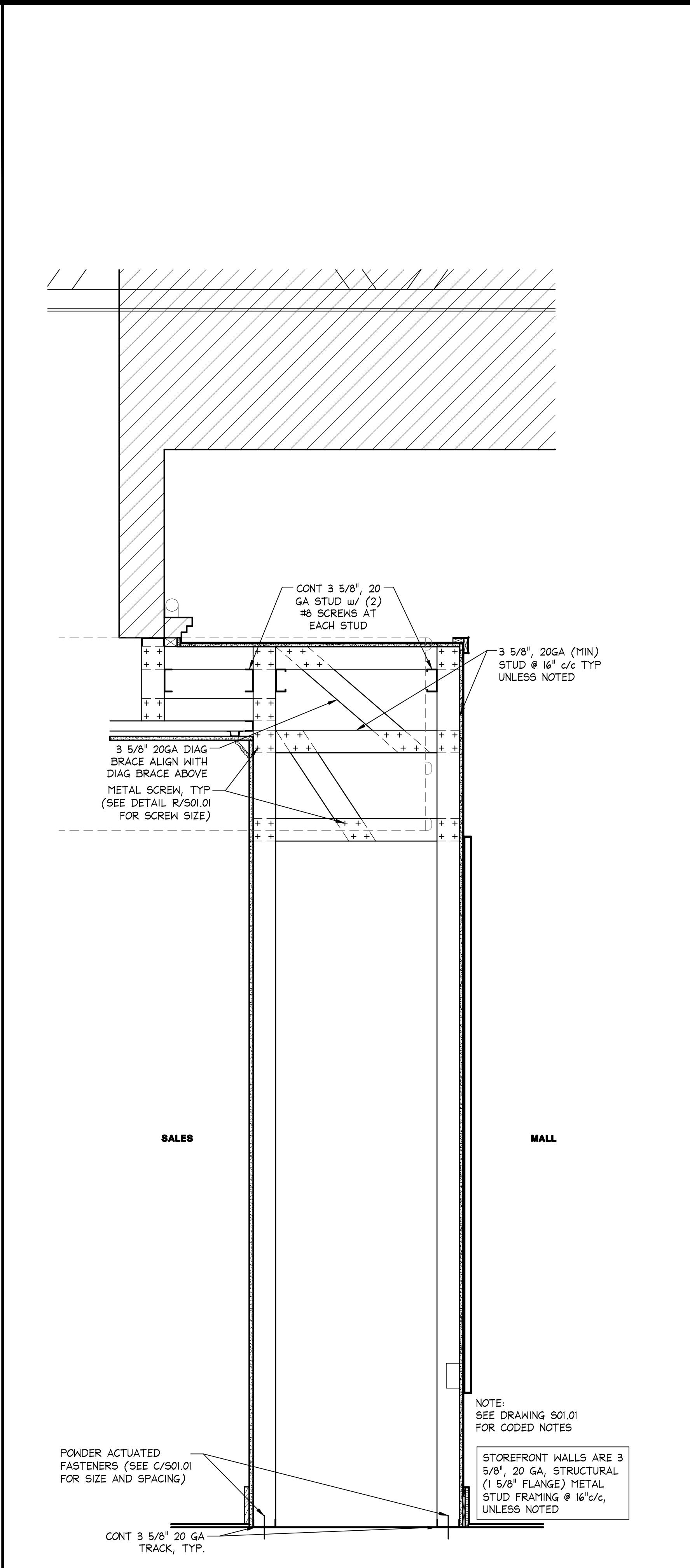
BLOCKING DETAIL 3\"=1'-0\" R



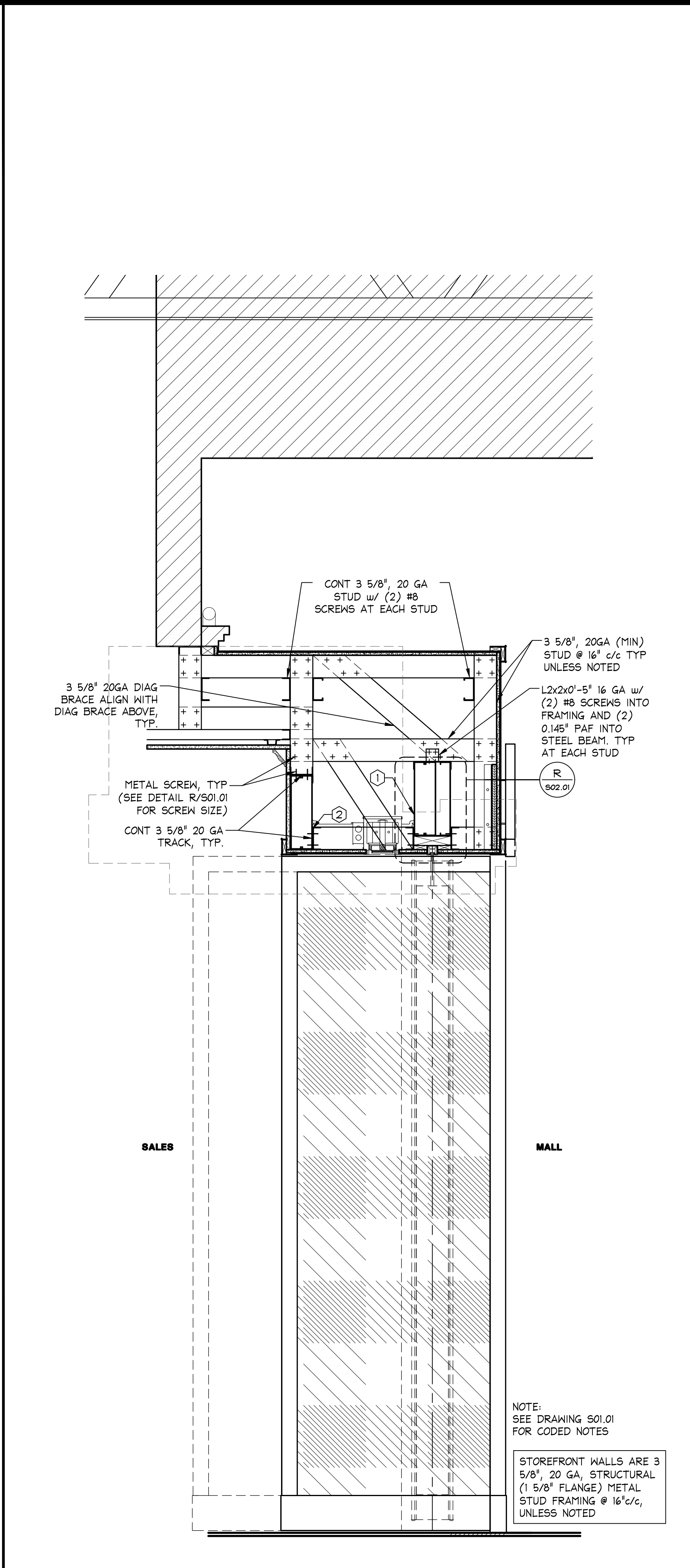
BOX HEADER CONNECTION 1 1/2\"=1'-0\" P



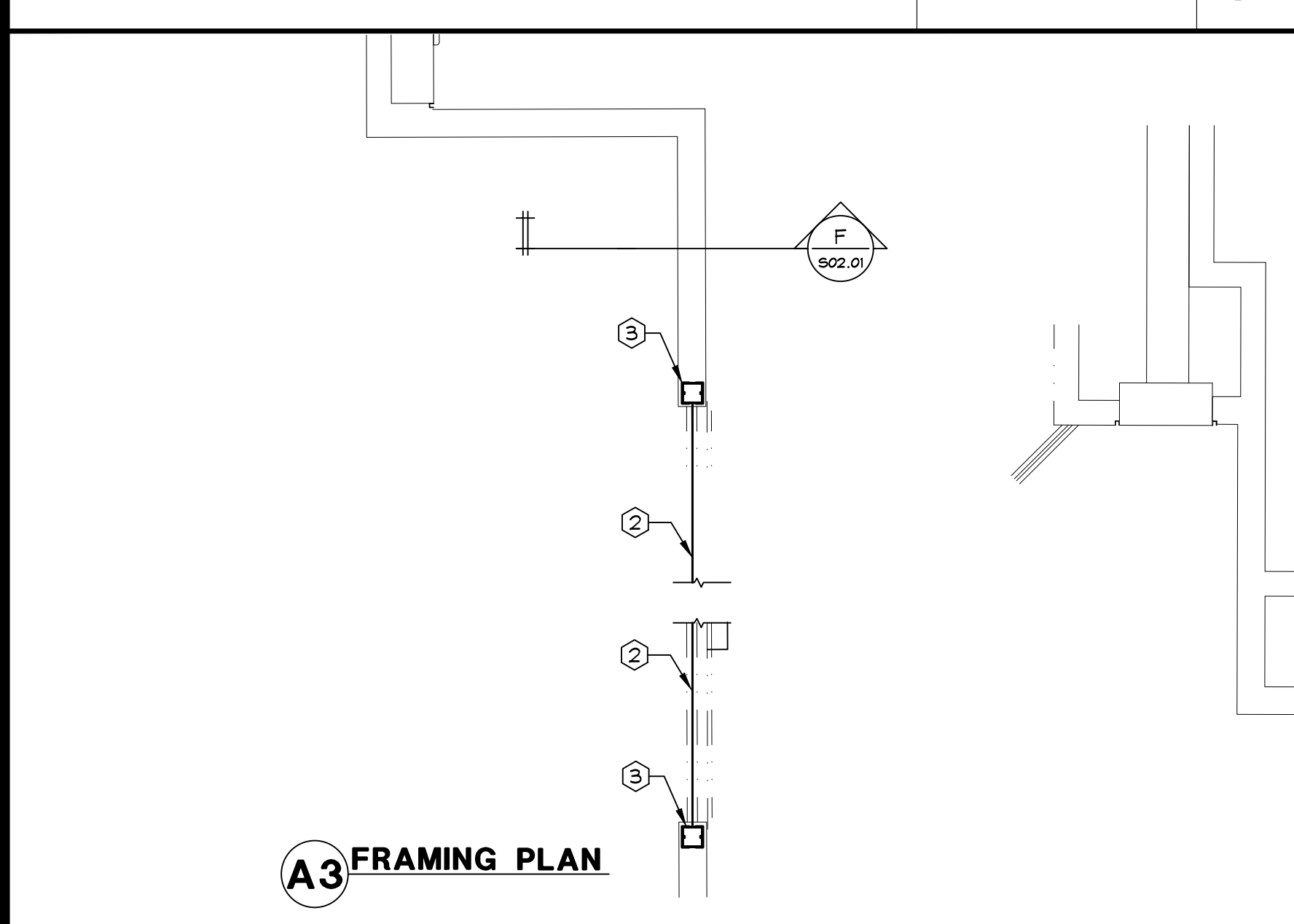
STOREFRONT SECTION - BBW 1\"=1'-0\" J



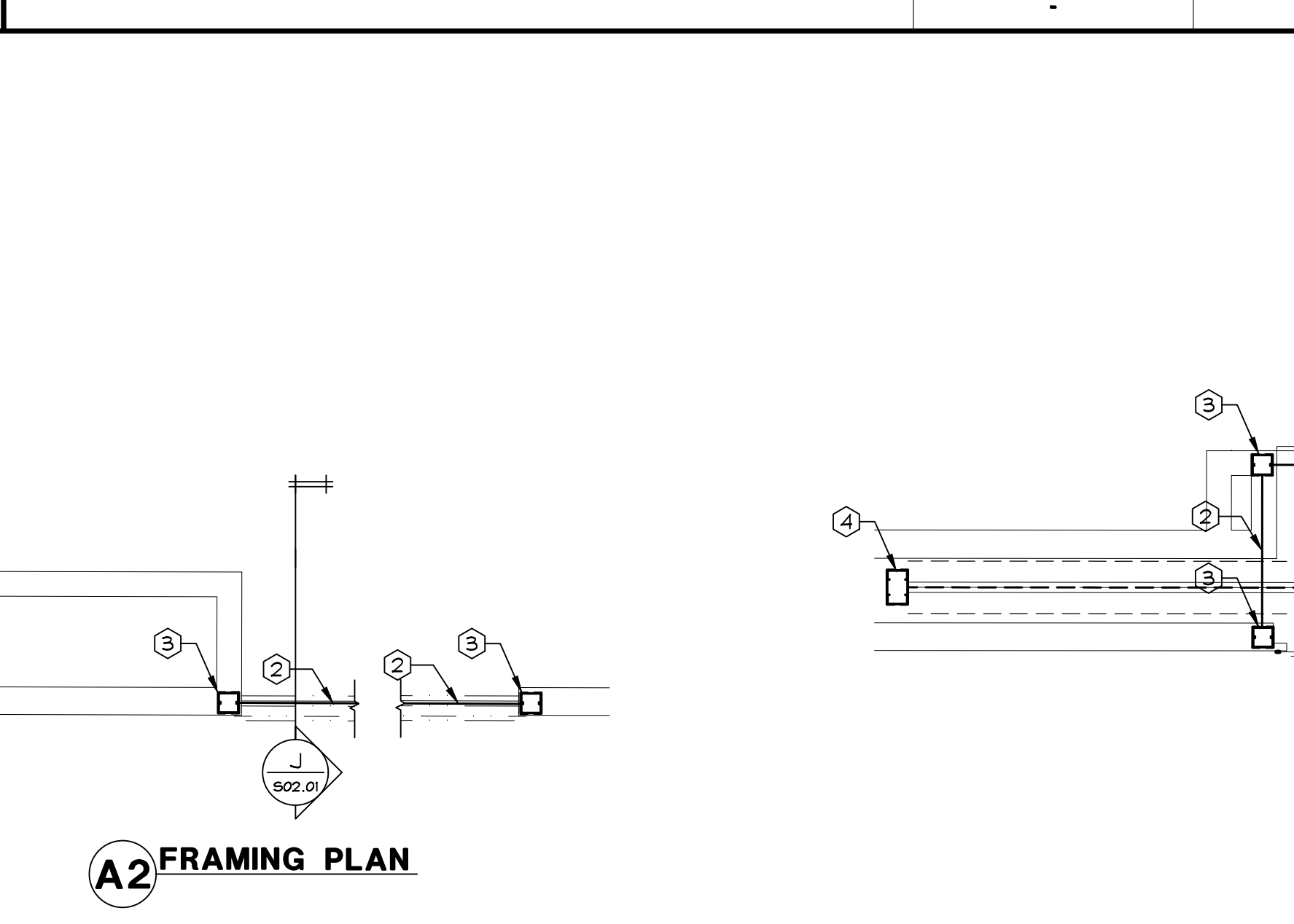
STOREFRONT SECTION - BBW 1\"=1'-0\" F



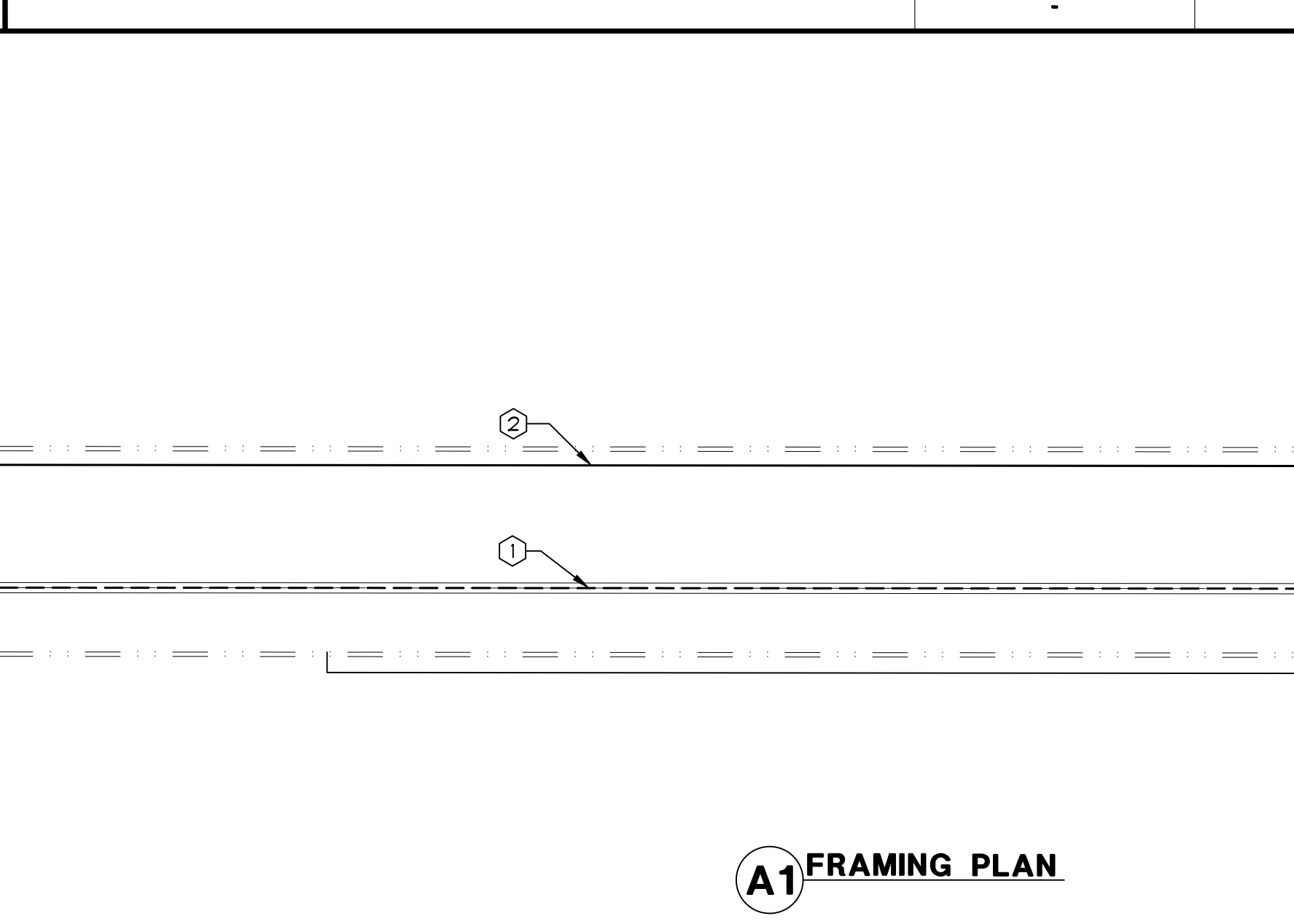
STOREFRONT SECTION - BBW 1\"=1'-0\" B



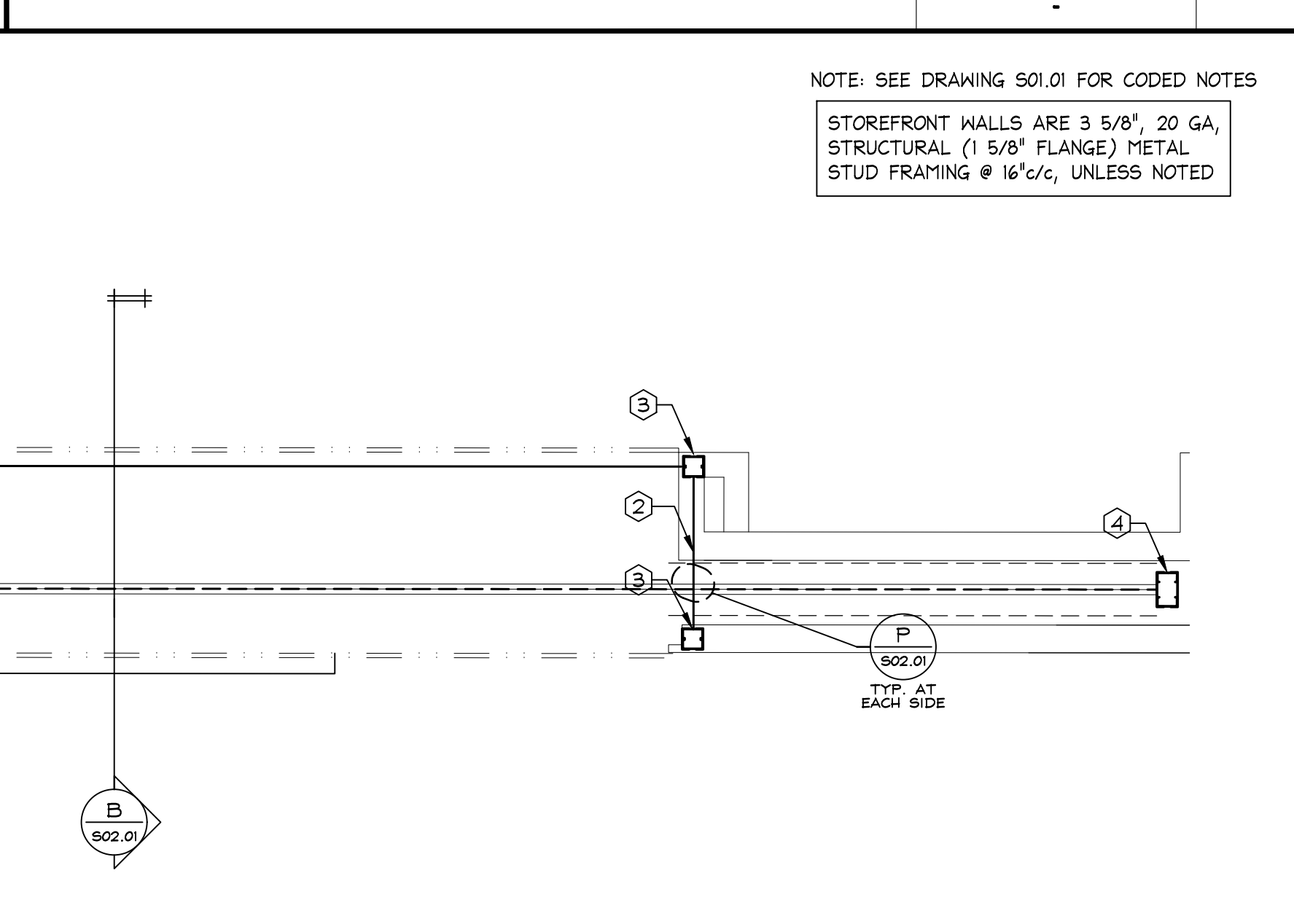
STOREFRONT FRAMING PLAN 1/2\"=1'-0\" A



STOREFRONT FRAMING PLAN 1/2\"=1'-0\" A



STOREFRONT FRAMING PLAN 1/2\"=1'-0\" A



STOREFRONT FRAMING PLAN 1/2\"=1'-0\" A

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SPACE NO. 235
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FUTALLUP, WA 98373

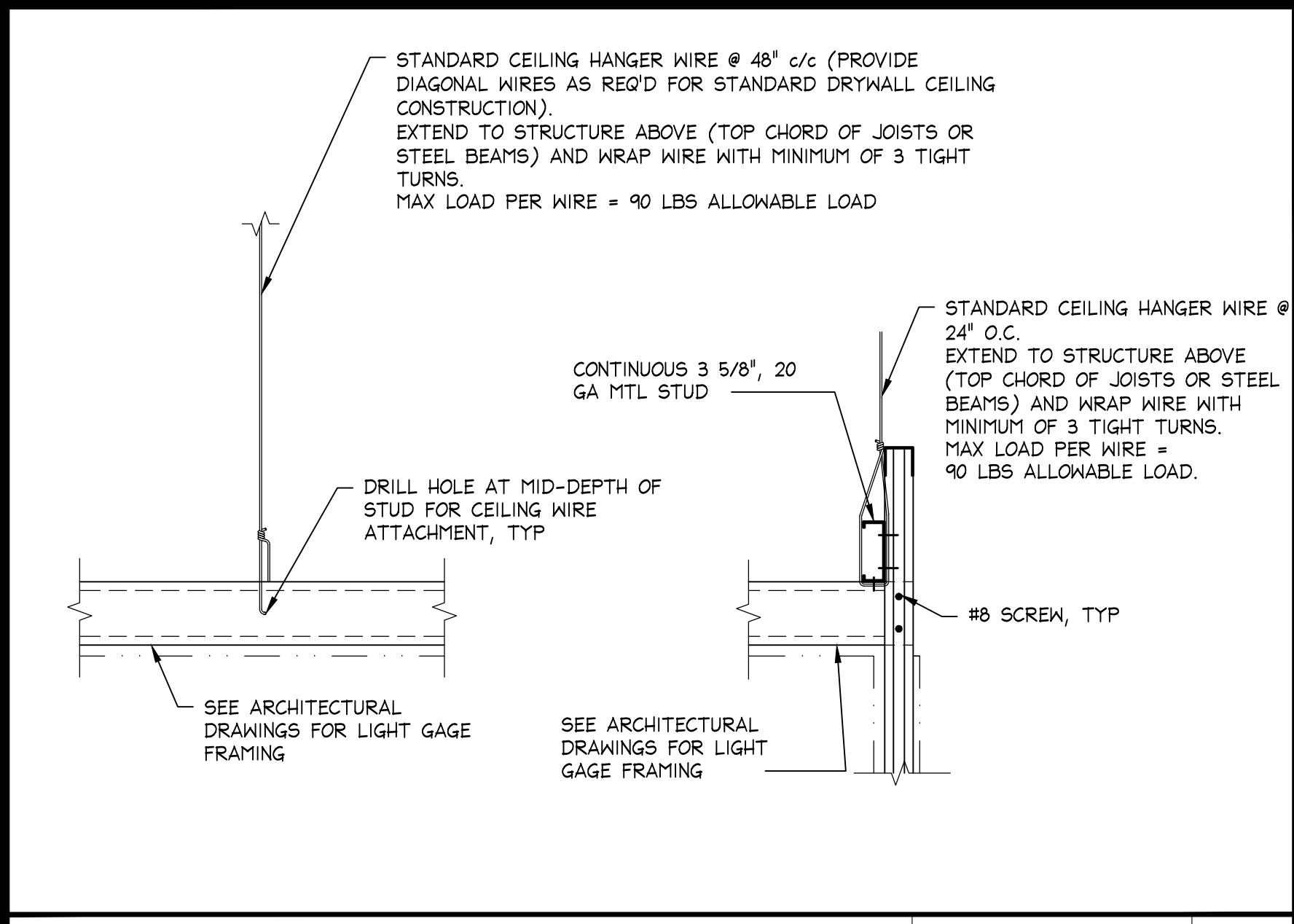
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GENERATION: 231501.00
PROJECT #: 00116082 /A/E PROJECT #:
FULL REMODEL
BBW ES/WBC 2021
DATE ISSUED: 11/04/2022
DESIGNED BY: AD
DRAWN BY: AD
CHECKED BY: MH

REVISIONS:

NO.	DESCRIPTION	DATE

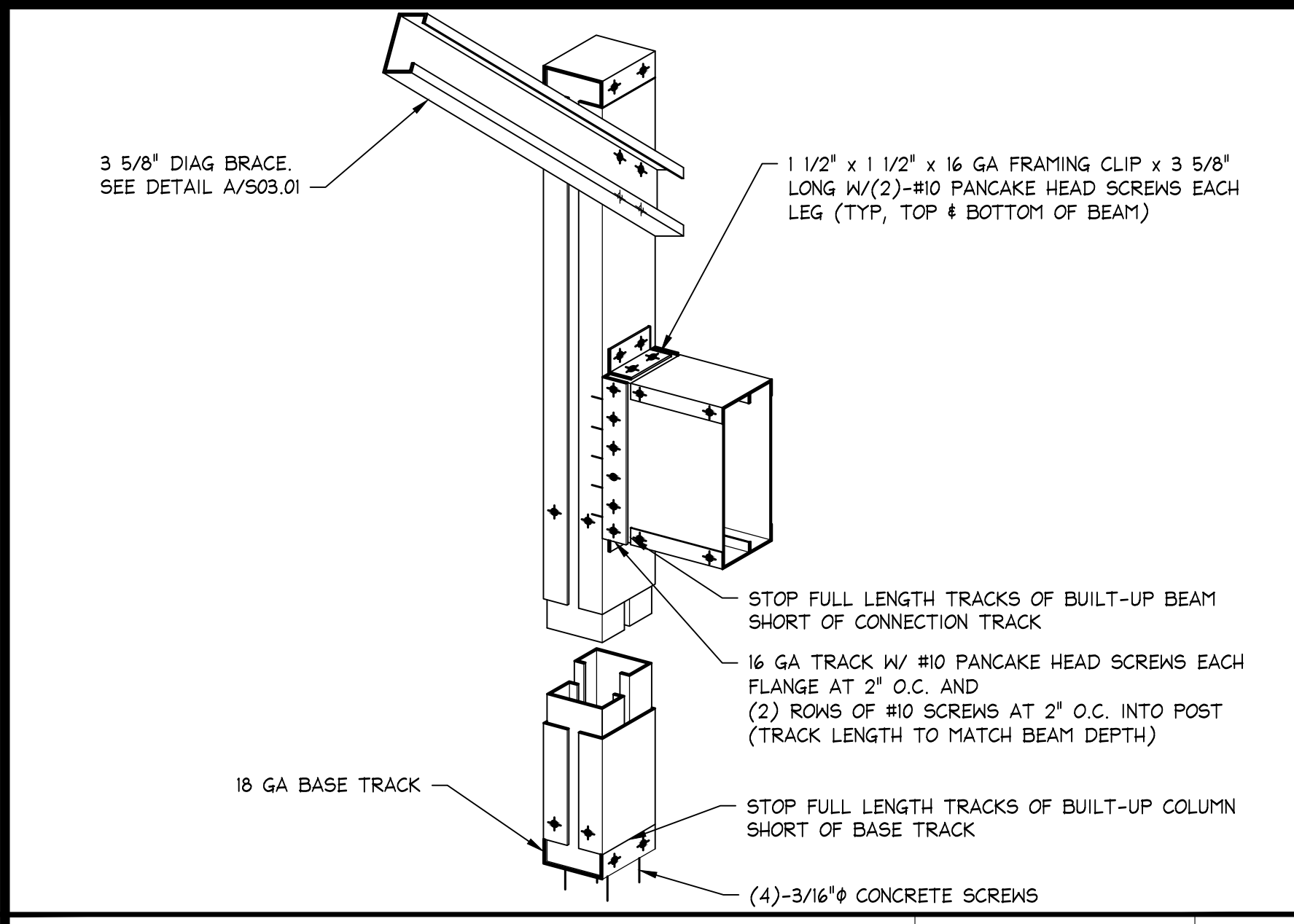
STOREFRONT FRAMING PLAN

DRAWING NUMBER:
S02.01

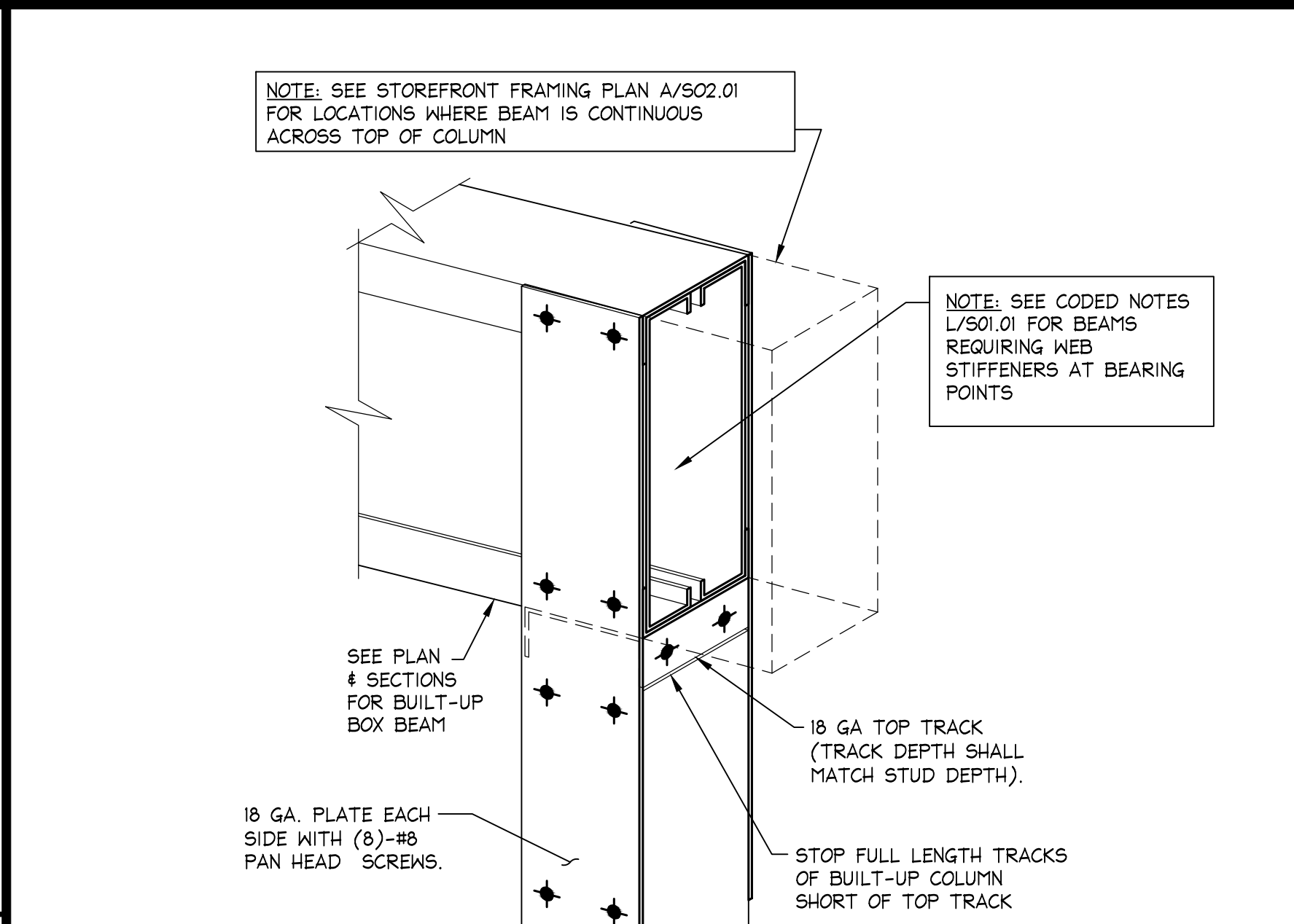


SUSPENDED FRAMING DETAILS
 1 1/2"=1'-0"
 0008031800DETL
 11.11.16

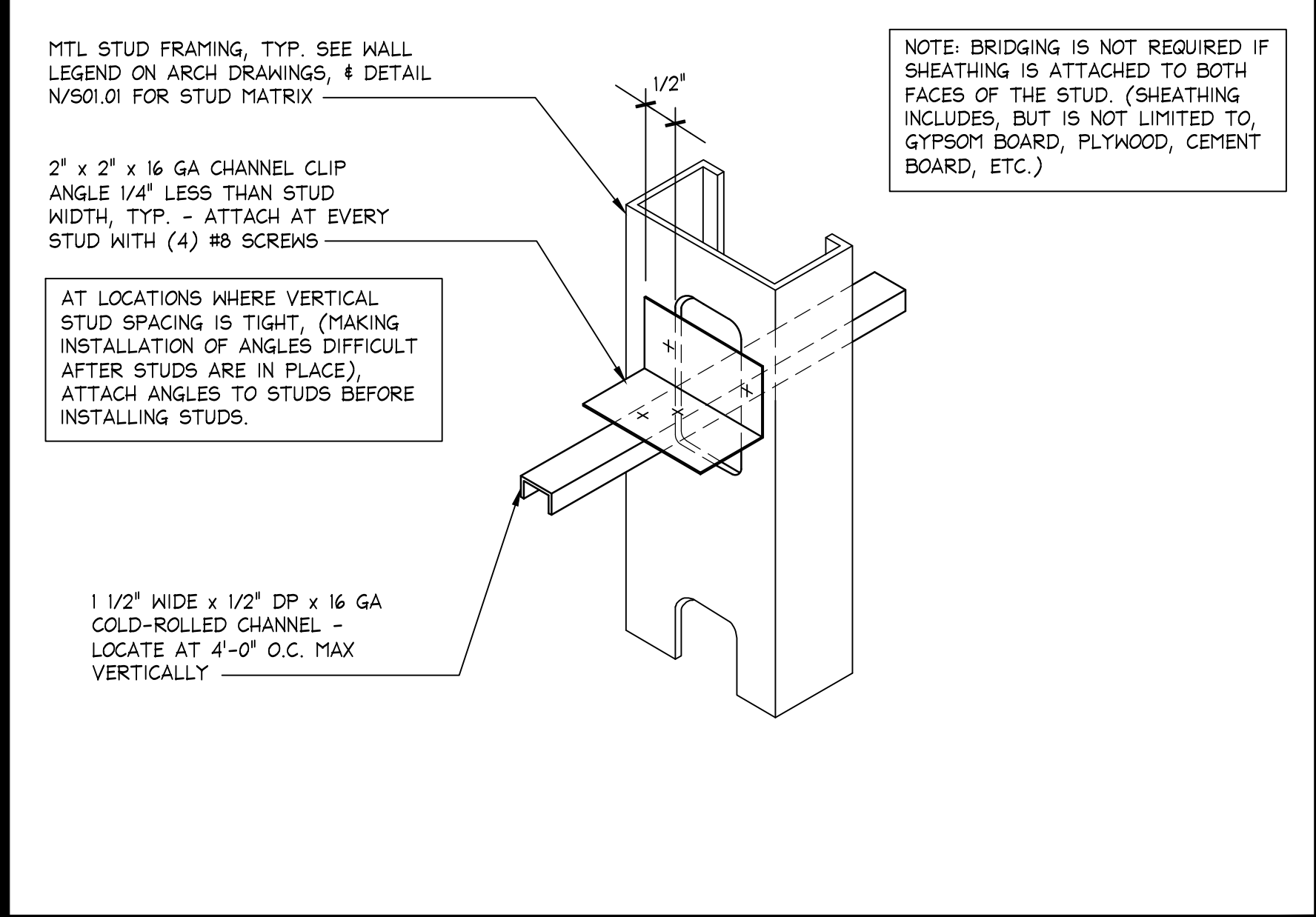
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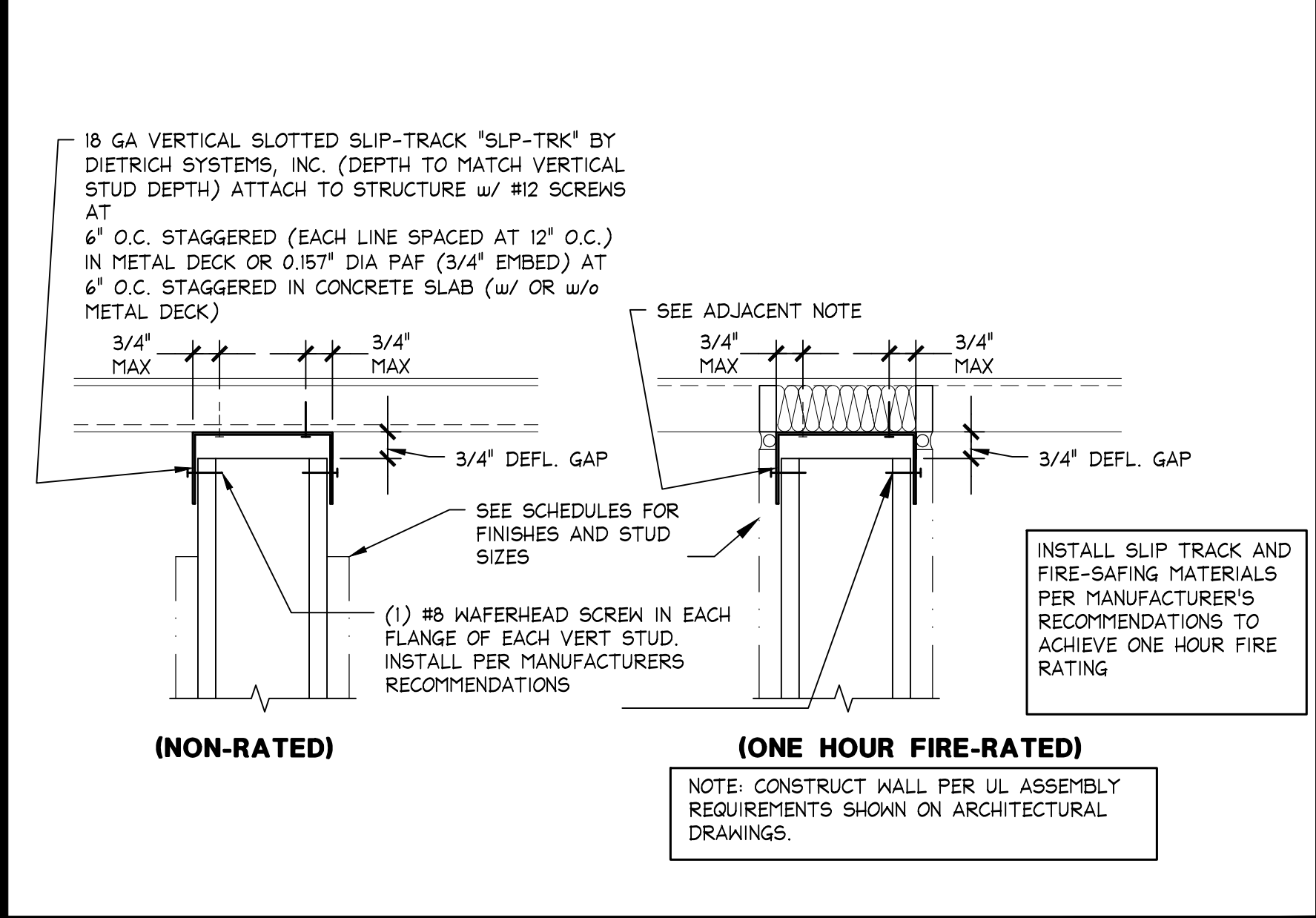
COLUMN CONNECTIONS
 1/2"=1'-0"
 H



LIGHTGAGE BOX COLUMN DETAIL
 3"=1'-0"
 0008031C00COLM
 10.24.17



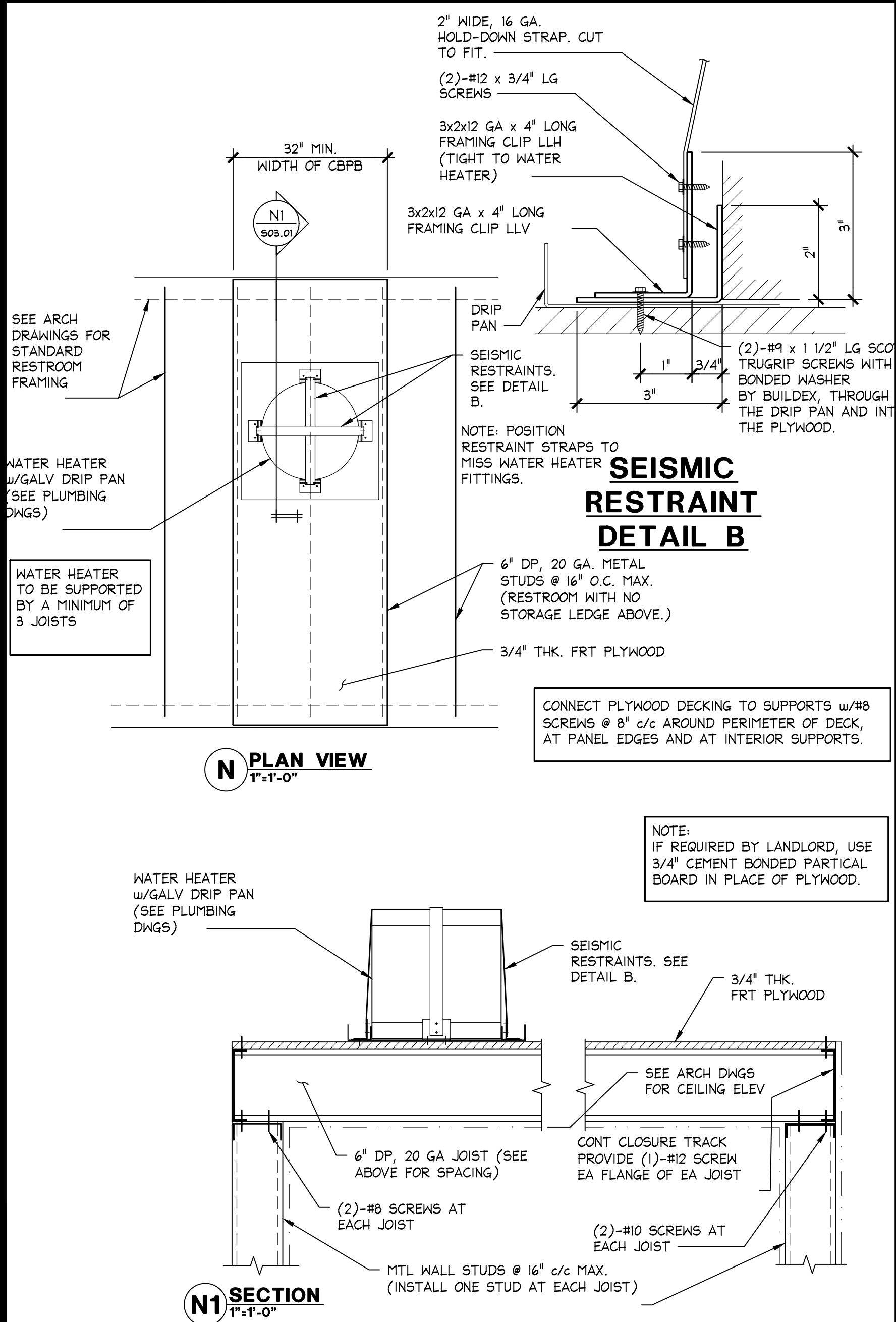
BRIDGING DETAIL
 N.T.S.
 0008031R00DETL
 08.14.04



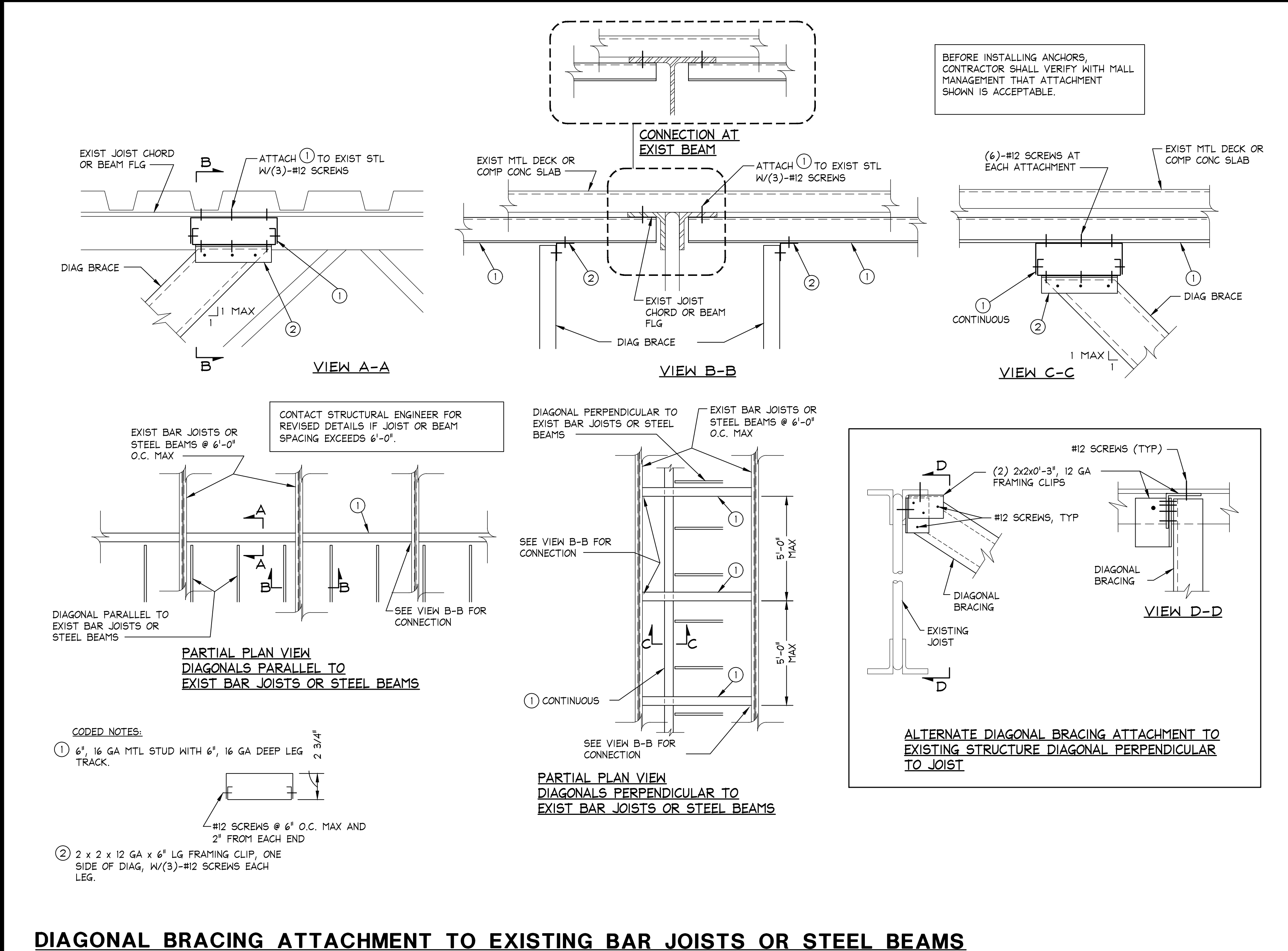
DEFLECTION TRACK DESIGN CATEGORIES D, E & F
 3"=1'-0"
 0008031L00DETL
 L

NOT USED

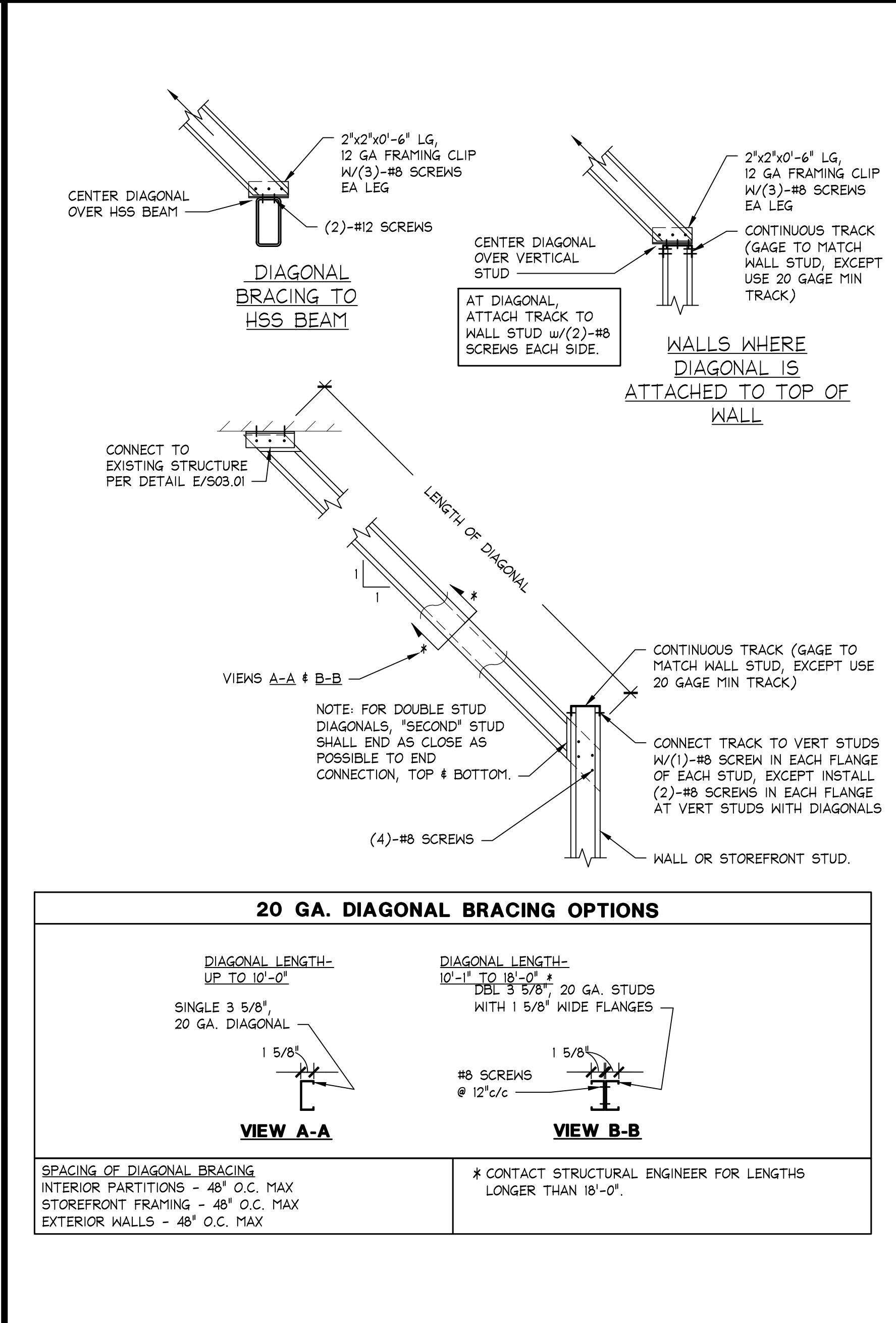
NOT USED
 N.T.S.
 G



WATER HEATER SUPPORT ABOVE RESTROOM SEISMIC DESIGN CATEGORIES D, E & F
 1" = 1'-0"
 000-8031-N03-PLAT
 08.14.11



TYPICAL DIAGONAL BRACE CONNECTION
 N.T.S.
 0008031E00BRAC
 08.14.09



TYPICAL DIAGONAL BRACING - STRUCTURAL STUDS - SDC D, E & F
 1" = 1'-0"
 050-8031-A01-BRAC
 02.01.16

GF
 www.greenbergfarrow.com
 21 South Evergreen Ave.
 Suite 200
 Arlington Heights, IL 60005
 Proj: 10221012
 1/1/2023
 expires 6/18/24
 date 11/4/22

Bath & Body Works
 Three Limited Parkway - Columbus, Ohio 43290
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BATH HILL MALL
 SOUTH HILL MALL
 SPAC NO. 235
 5500 S. MERIDIAN STREET
 FORT LUDOWIC, WA 98373

SSIS PKG. 2
 231501.00
 20221101.20

PACKAGE: 00116082
 GENERATION: A/E PROJECT #:

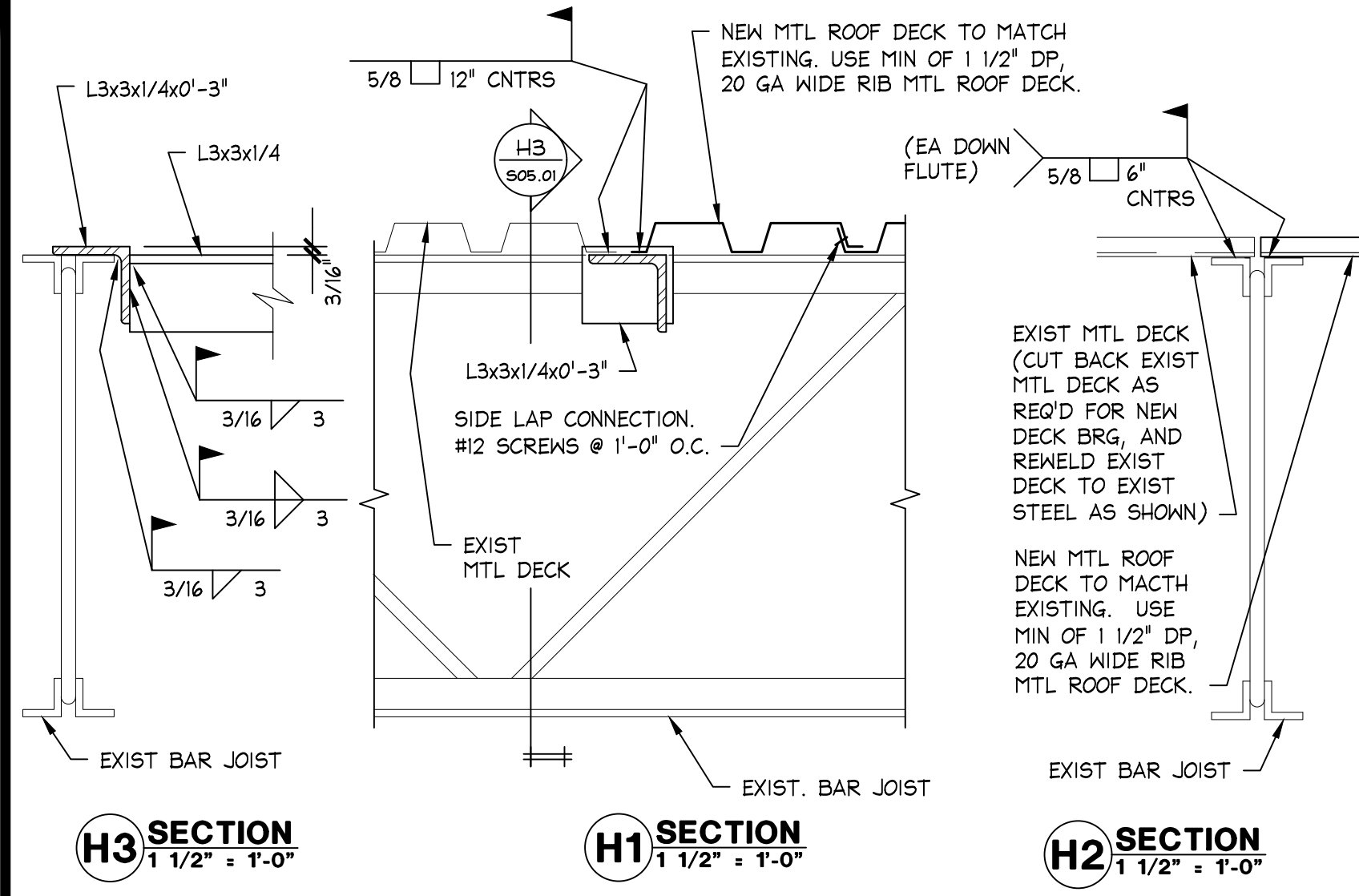
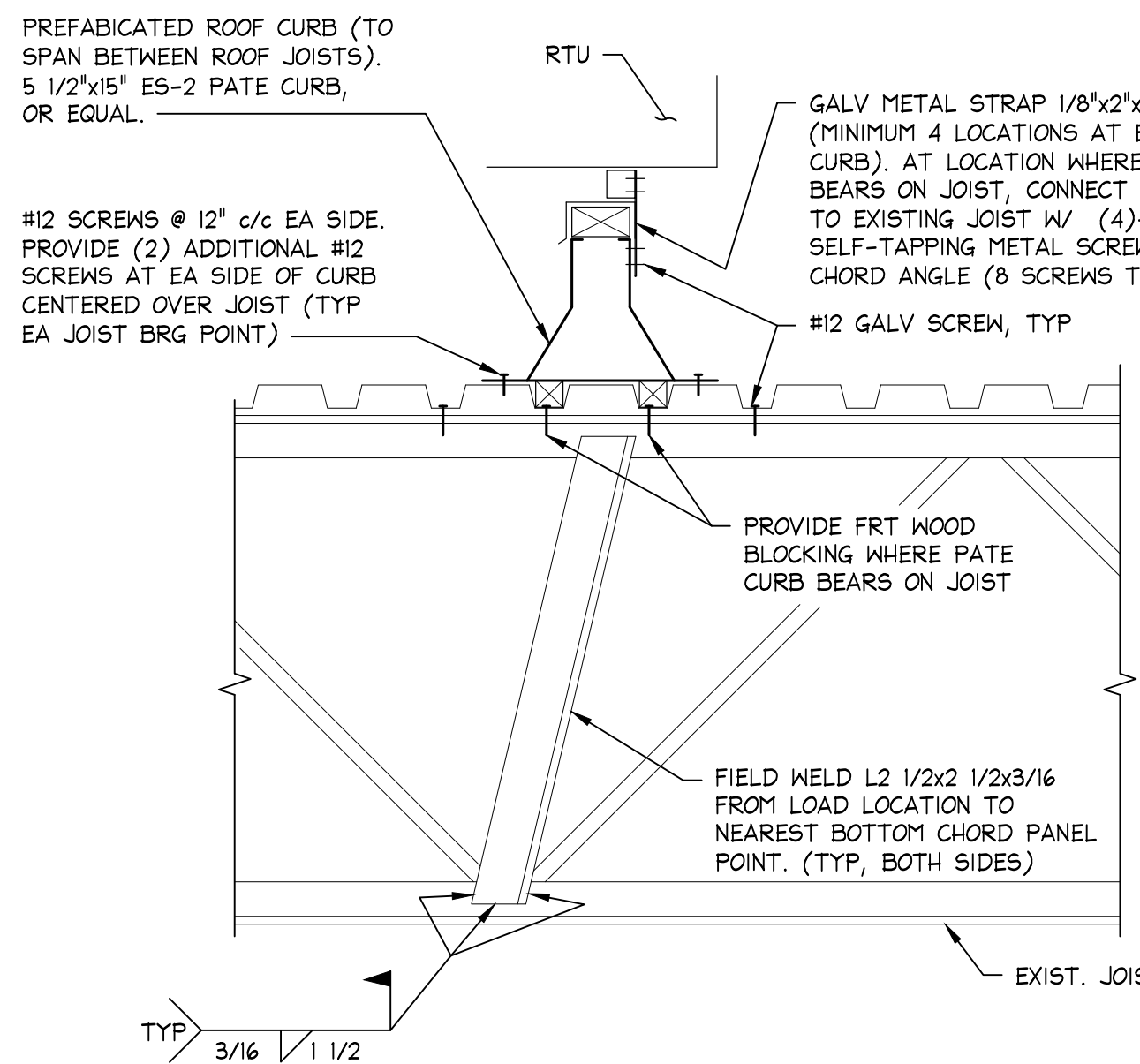
REVISIONS:

STRUCTURAL CONSTRUCTION DETAILS
 DRAWING NUMBER: **S03.01**

DATE ISSUED: 11/04/2022
 DESIGNED BY: AD
 DRAWN BY: MH
 CHECKED BY: MH

ROOF FRAMING NOTES:

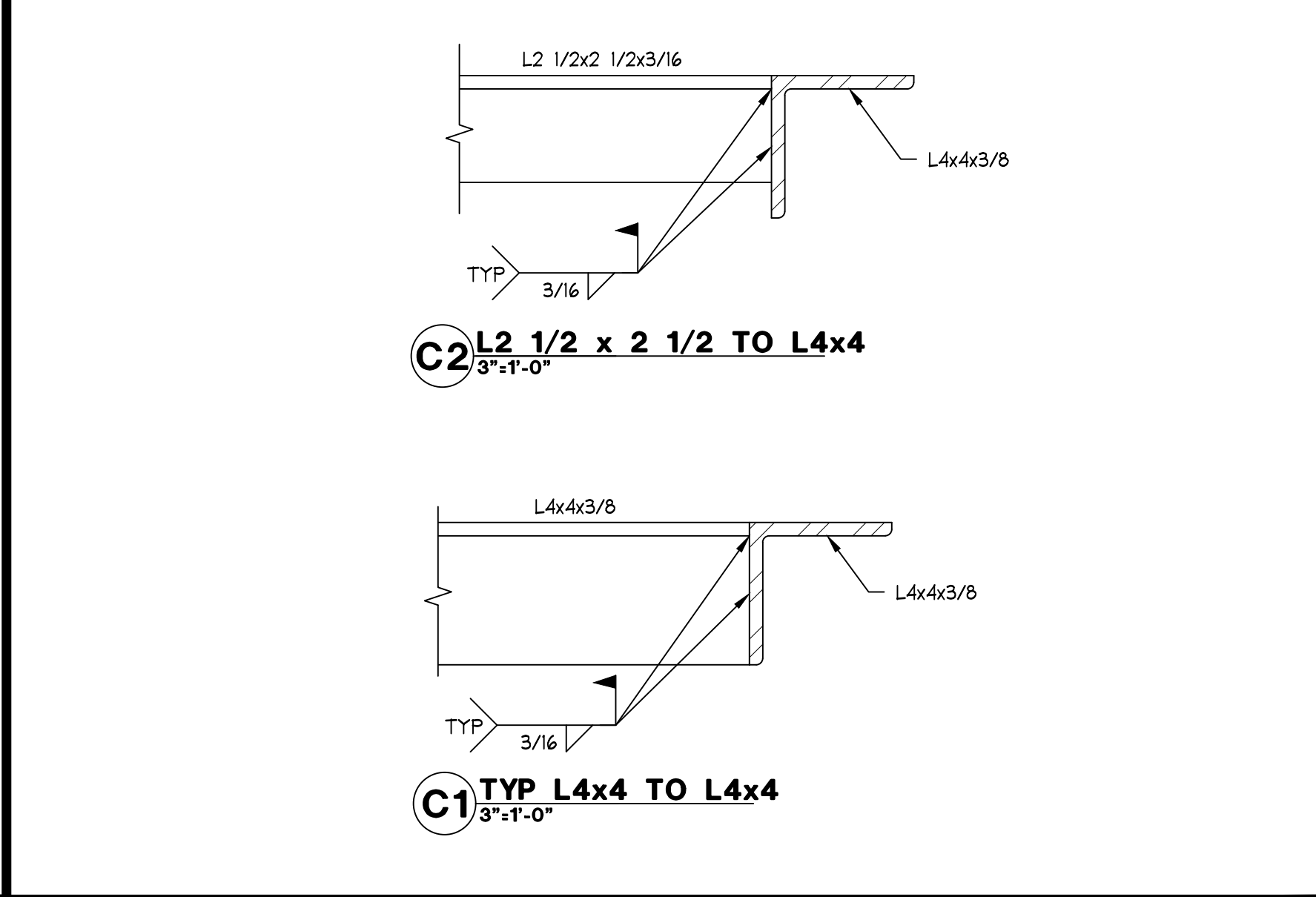
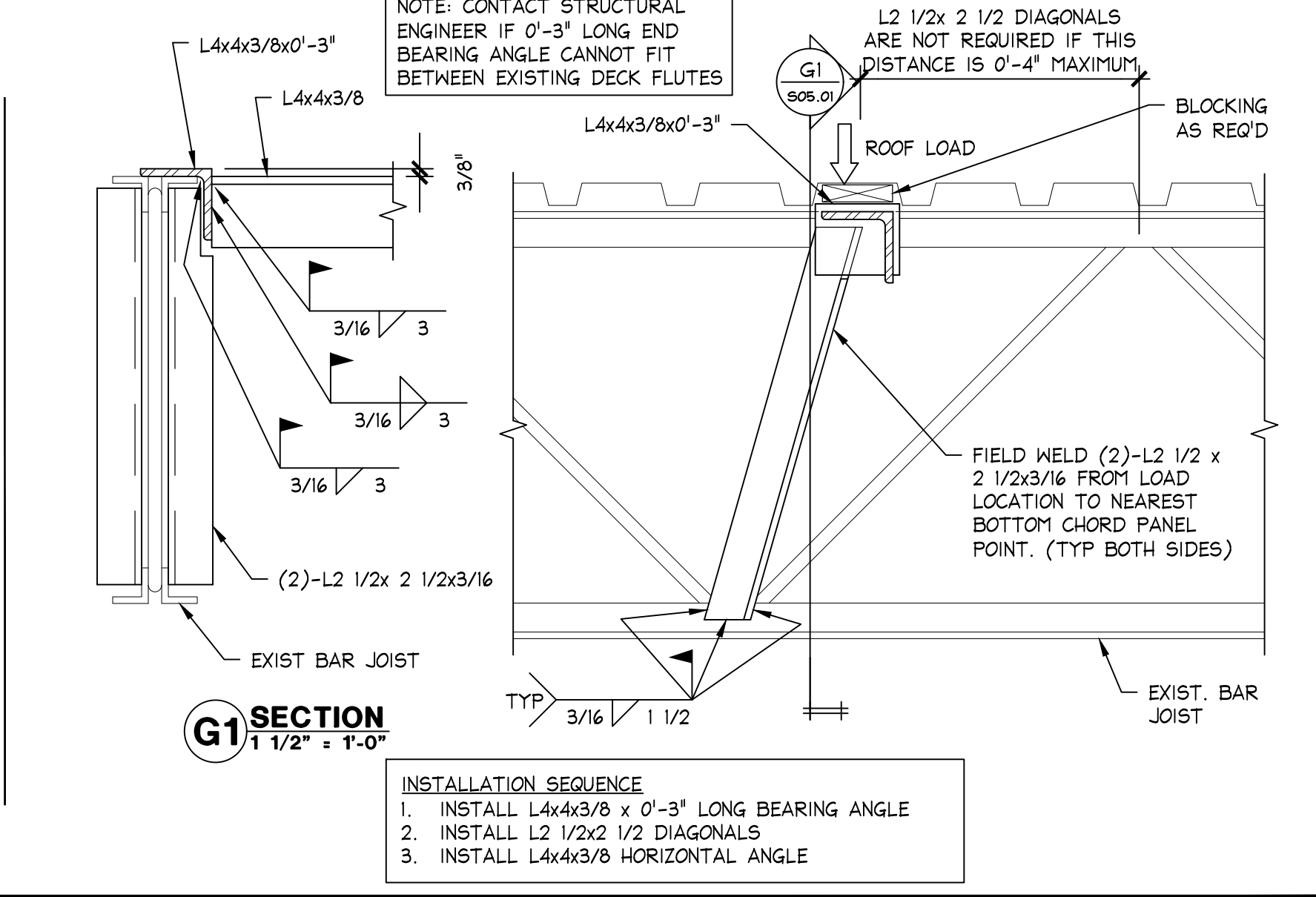
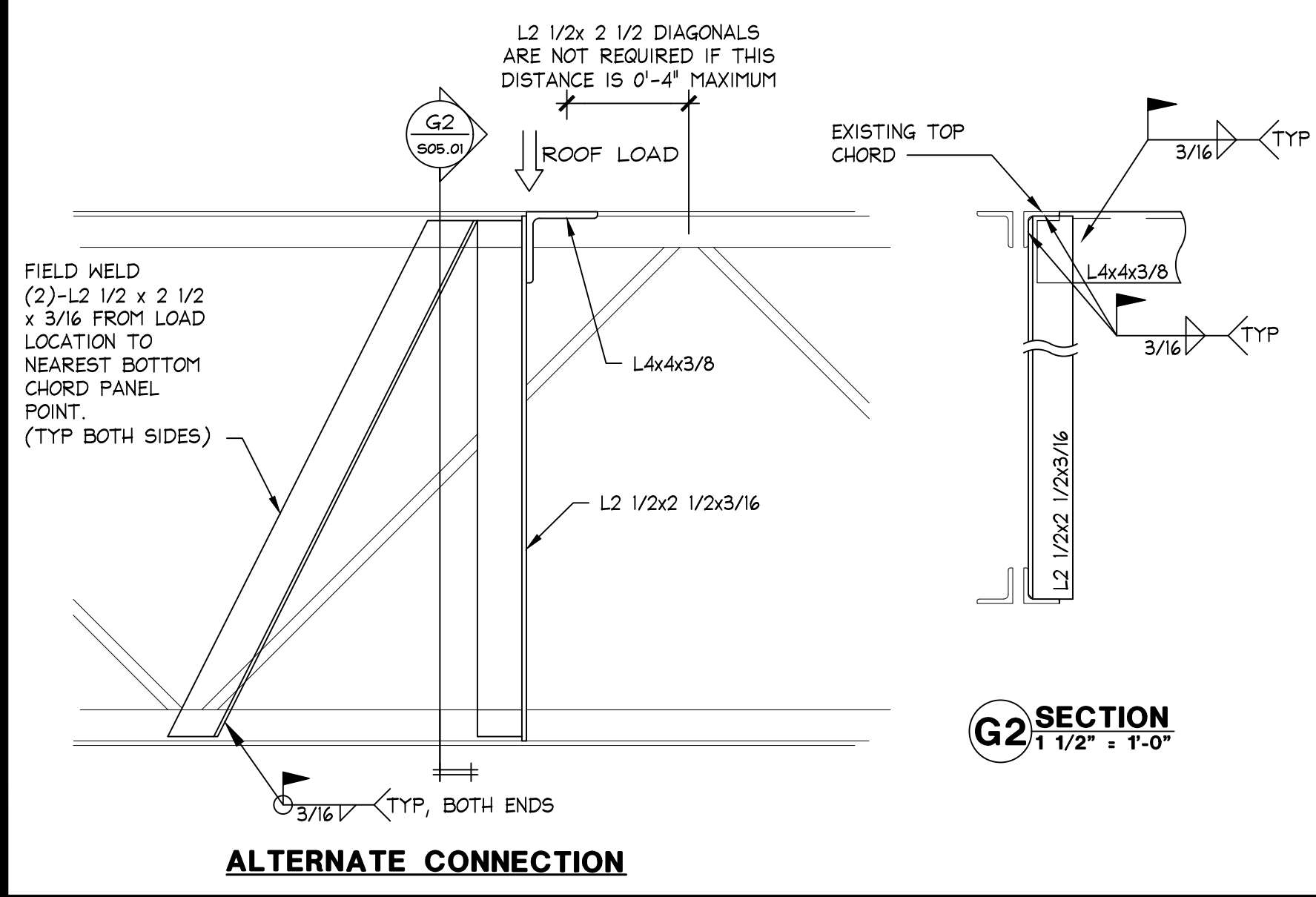
- CONTROLLING BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE
 ROOF DESIGN LIVE LOAD = 25 PSF
 ROOF DEAD LOAD (ASSUMED) = 12 PSF
 GROUND SNOW LOAD = 20 PSF
 DESIGN WIND SPEED = 97 MPH
- EXISTING ROOF CONSTRUCTION: METAL DECK, SUPPORTED BY STEEL JOISTS, WIDE FLANGE BEAMS, AND CMU BEARING WALLS
- INDICATES ROOF OPENING. DETERMINE EXACT SIZE AND LOCATION FROM MECHANICAL DRAWINGS
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, GUTS OR TIE-DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
- FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION. MECH. UNIT DIMENSIONS SHALL BE COORDINATED WITH APPROVED MECH. UNIT MANUFACTURER DRAWINGS.
- SUPPORT FRAMING SHOWN IS FOR THE MECH. UNIT SPECIFIED ON MECHANICAL DRAWINGS. IF DIFFERENT UNIT IS TO BE USED, CONTACT STRUCTURAL ENGINEER BEFORE PROCEEDING.
- ALL STEEL SHALL BE ASTM A36 U.S.O.
- STRUCTURAL STEEL SHALL CONFORM TO THE AISC 'SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL OF BUILDINGS'. (CURRENT EDITION).
- ALL WELDING SHALL BE DONE IN ACCORDANCE WITH 'AMERICAN WELDING SOCIETY' SPECIFICATIONS (CURRENT EDITION).
- WELDING ELECTRODES SHALL BE E70XX, LOW HYDROGEN.
- IF EXISTING STRUCTURE IS DIFFERENT THAN SHOWN, CONTACT STRUCTURAL ENGINEER BEFORE PROCEEDING WITH ANY WORK IN THAT AREA.



PATE CURB SUPPORT 1 1/2" = 1'-0" 008-S051-M00-RTU 08.26.16 M

ROOF INFILL DETAILS 1 1/2" = 1'-0" 008-S051-H00-RTU 08.26.16 H

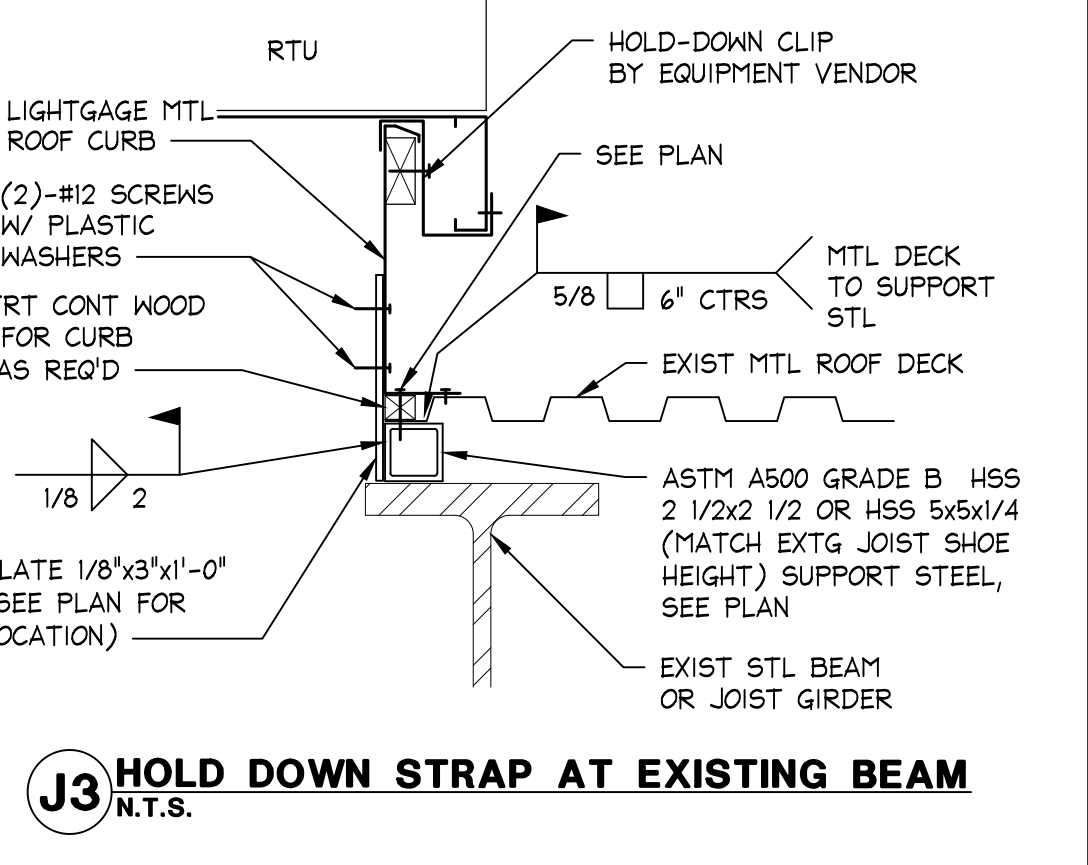
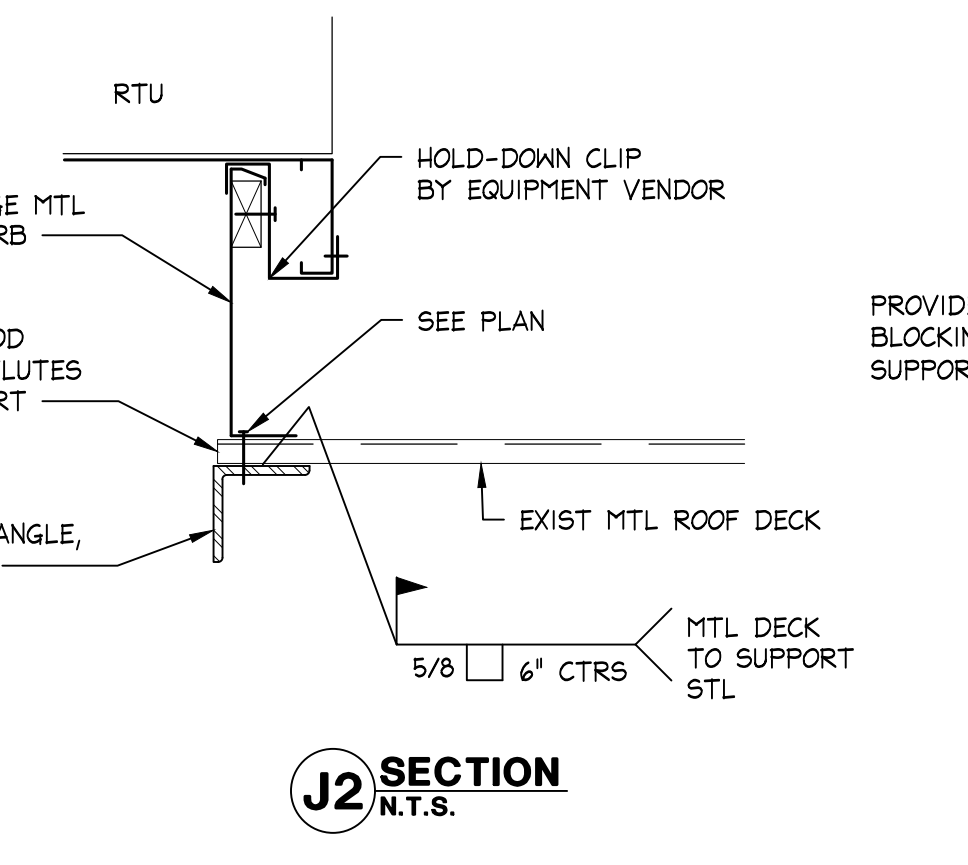
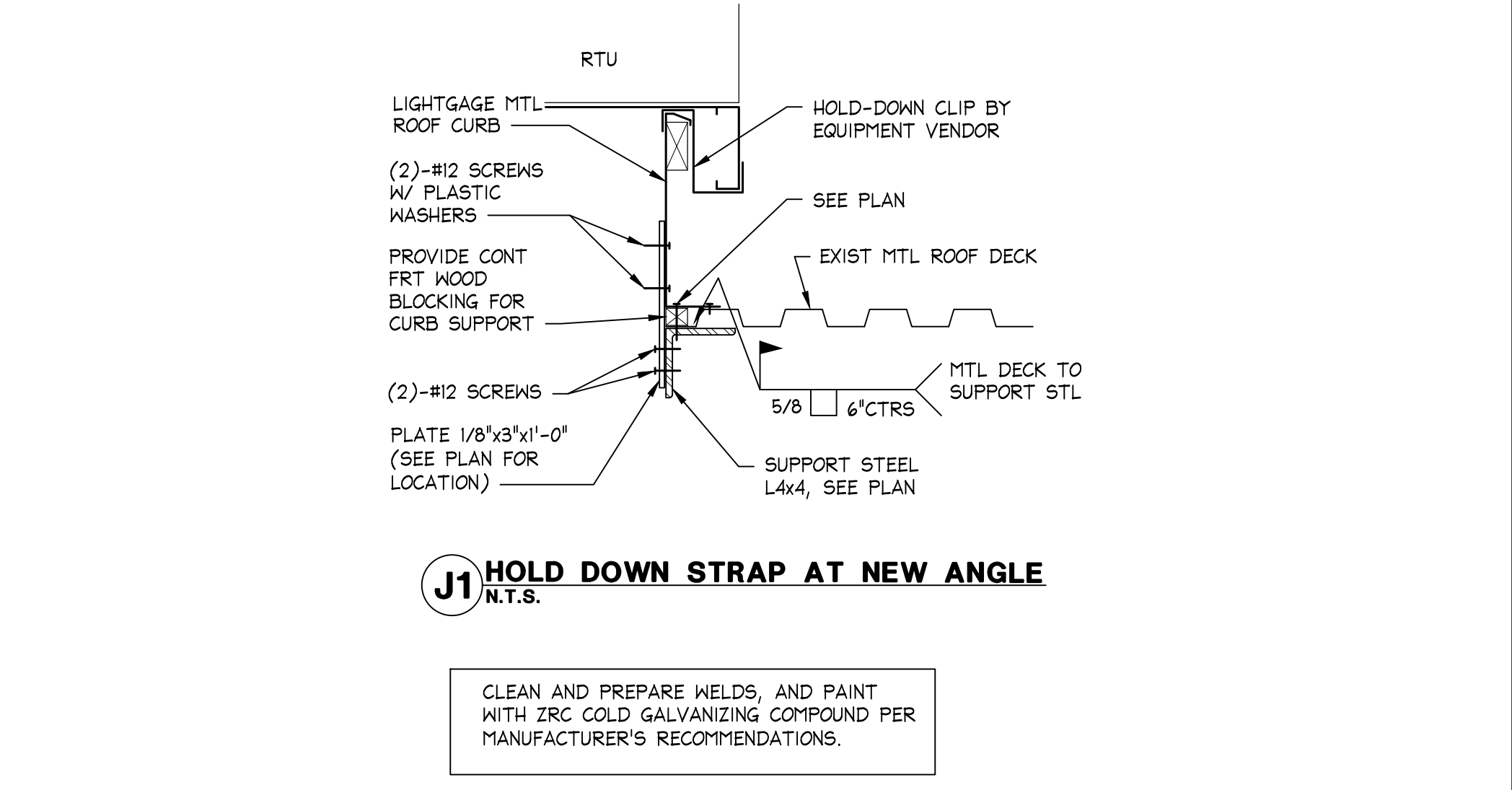
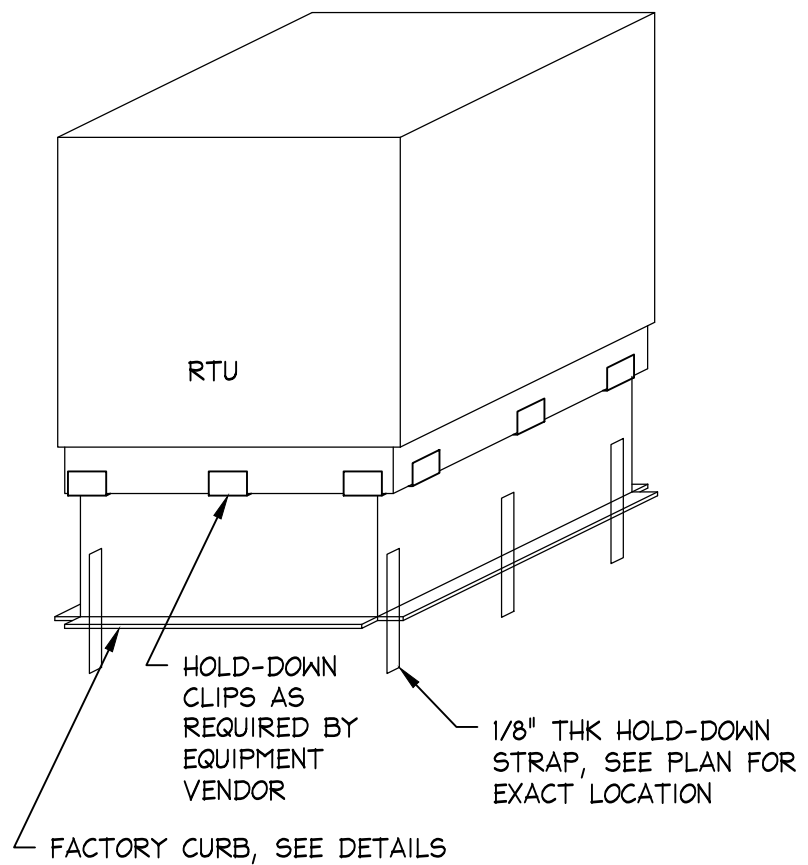
NOT USED D



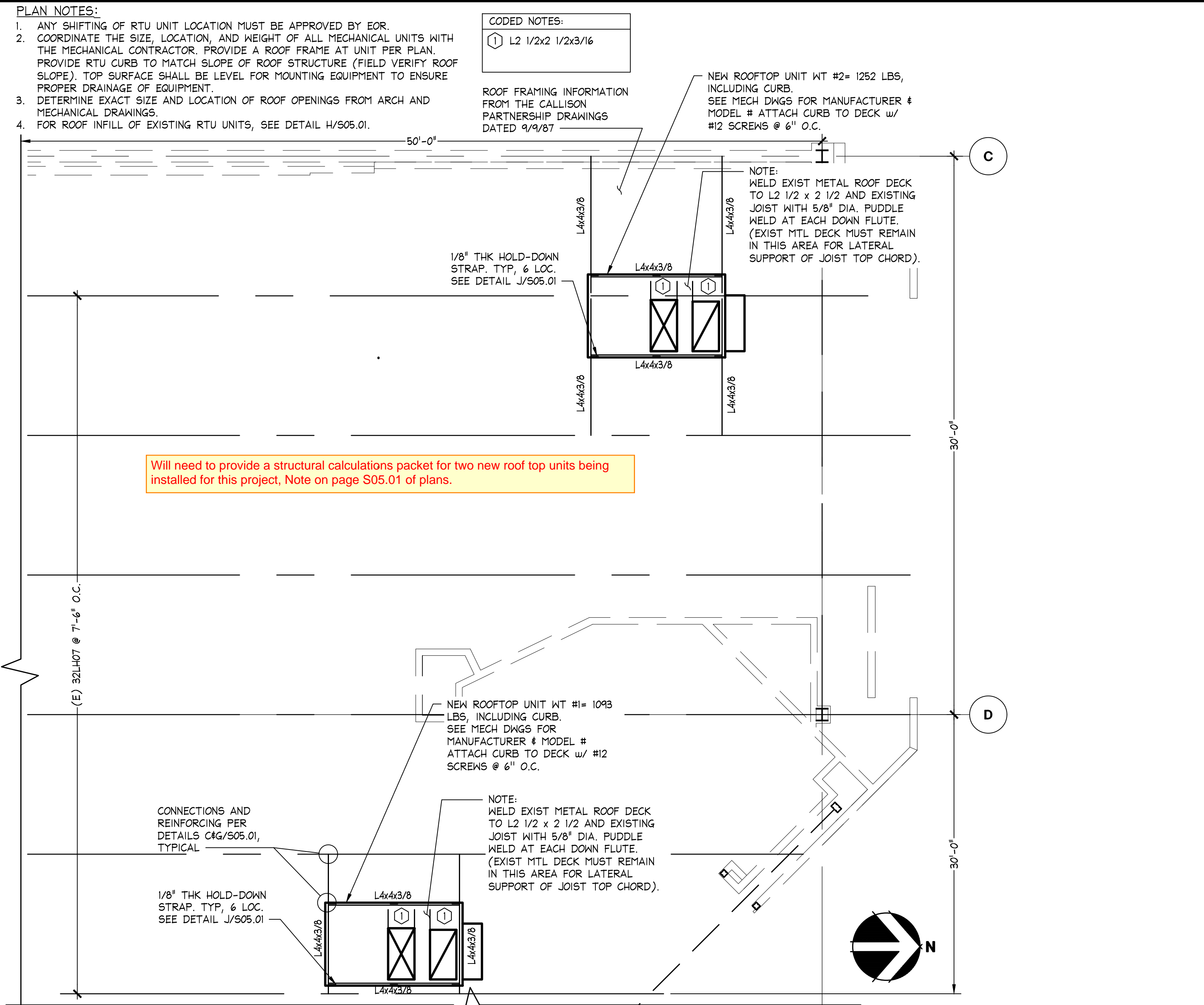
CONNECTION OF MECH UNIT SUPPORT L4x4 TO EXISTING BAR JOIST 1 1/2" = 1'-0" 008-S051-G00-RTU 08.26.16 G

MECH SUPPORT FRAME CONNECTION DETAILS 3" = 1'-0" 008-S051-C00-RTU 10.15.12 C

NOT USED R



TYPICAL HIGH SEISMIC/ HIGH WIND HOLD-DOWN DETAILS N.T.S. 008-S051-J00-RTU 08.15.11 J



PARTIAL ROOF FRAMING PLAN 1/4" = 1'-0" 008-S051-D00-RTU 08.15.11 A

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 21 South Evergreen Ave.
 Suite 200
 Arlington Heights, IL 60005
 Project: 20221012
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 SPACE NO. 235
 5500 S. MERIDIAN STREET
 FORT LUDLOW, WA 98373

PROJECT INFORMATION:
 REQUIRED BY: DATE:
 DESIGNED BY: AD
 DRAWN BY: AD
 CHECKED BY: MH

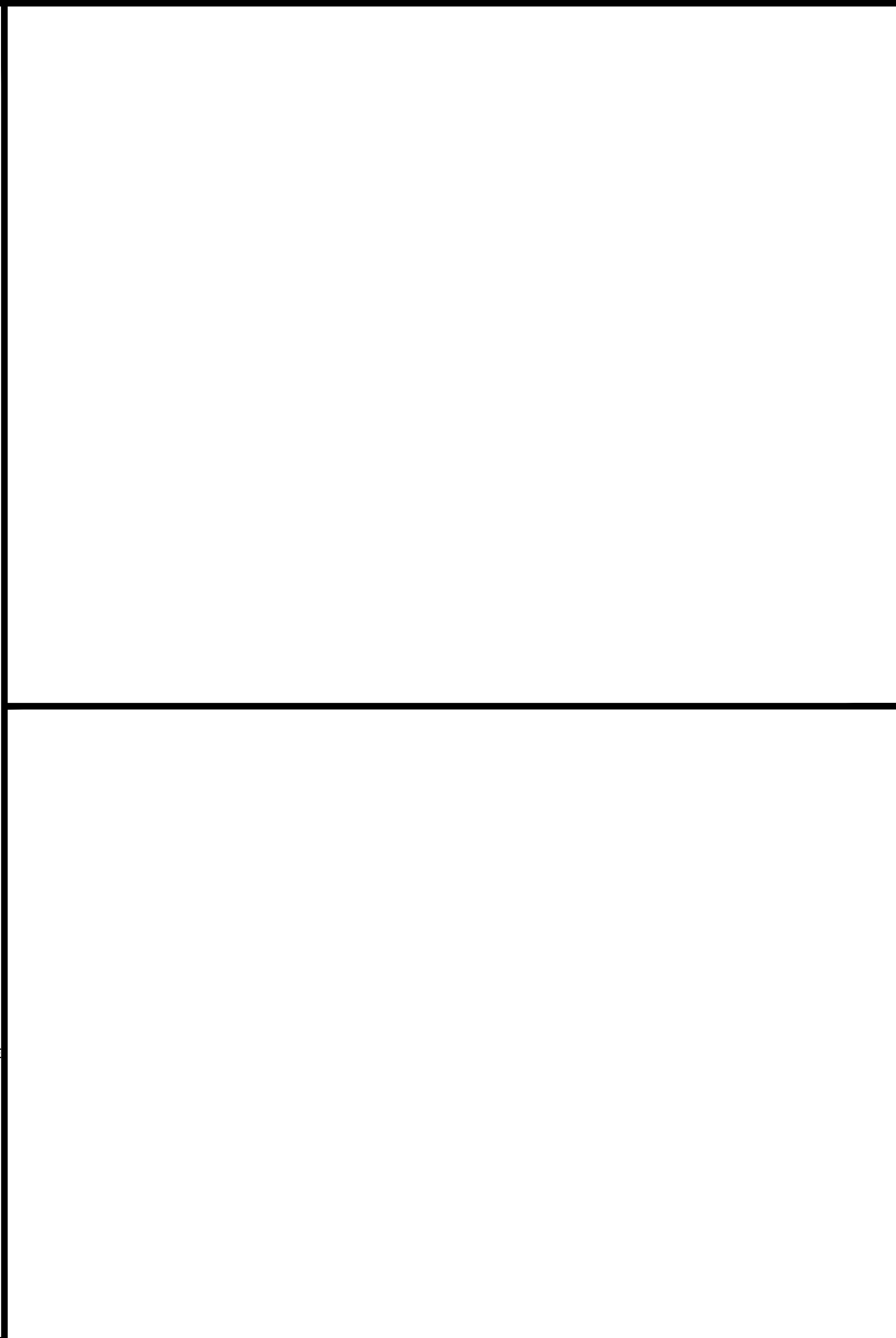
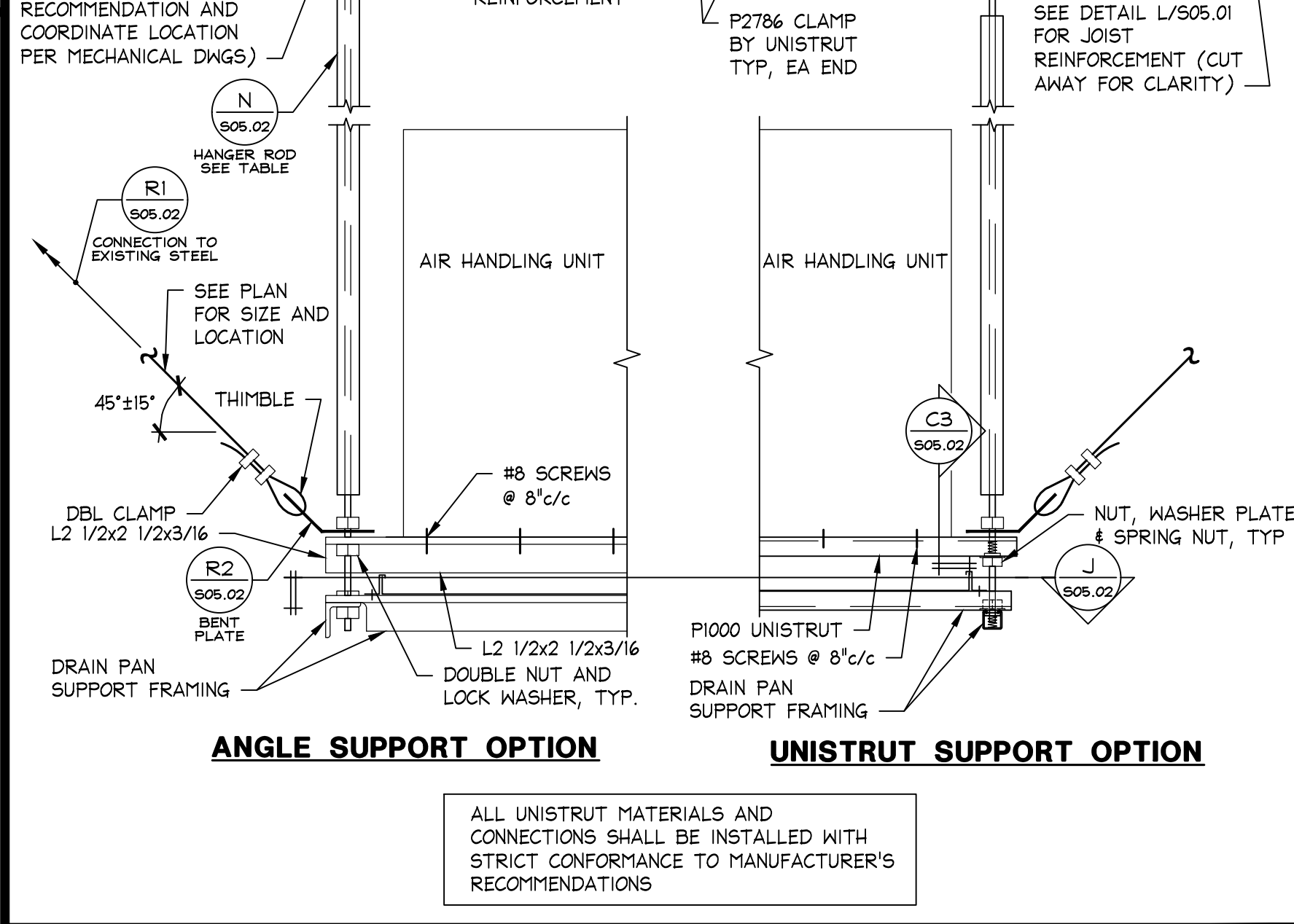
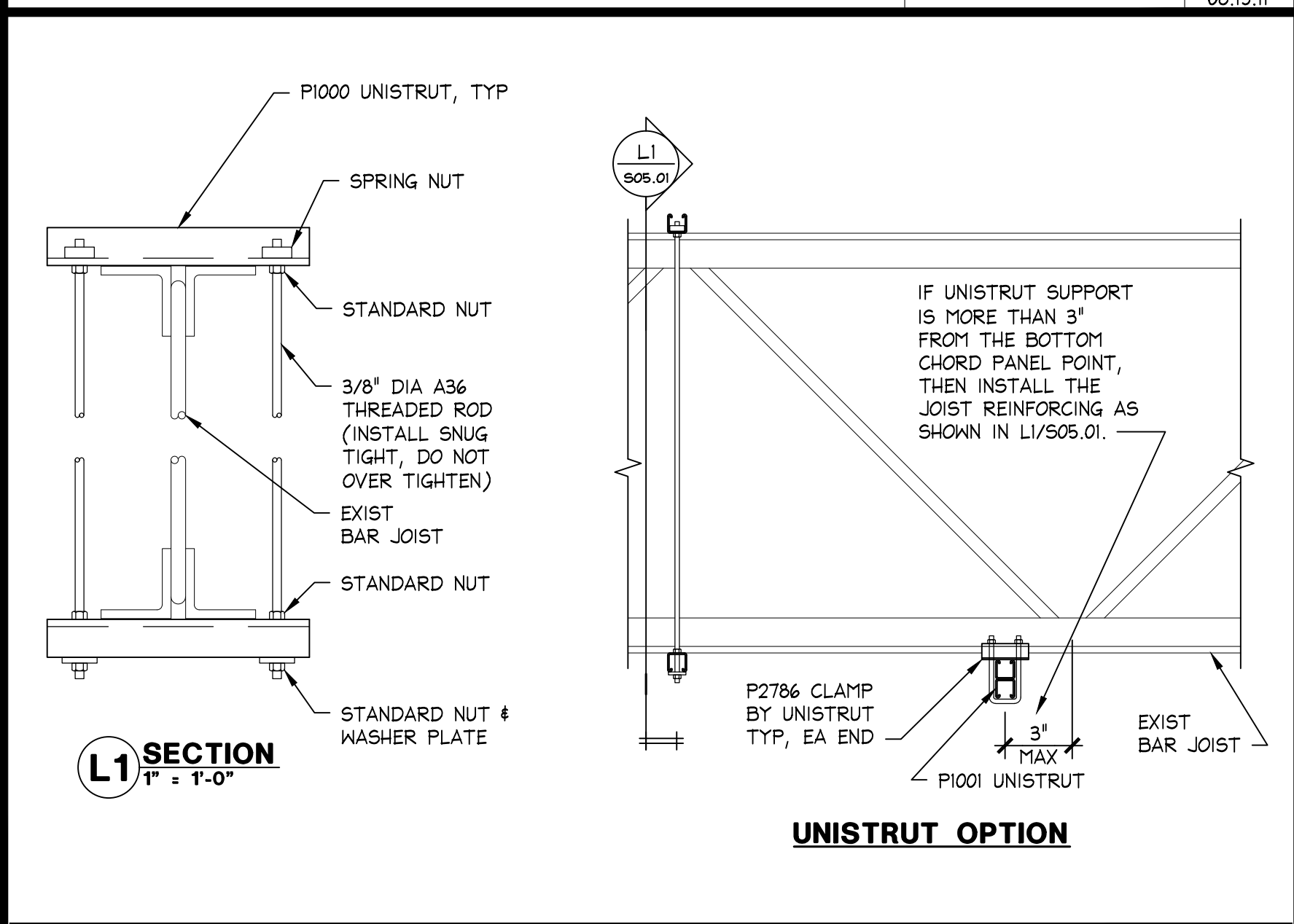
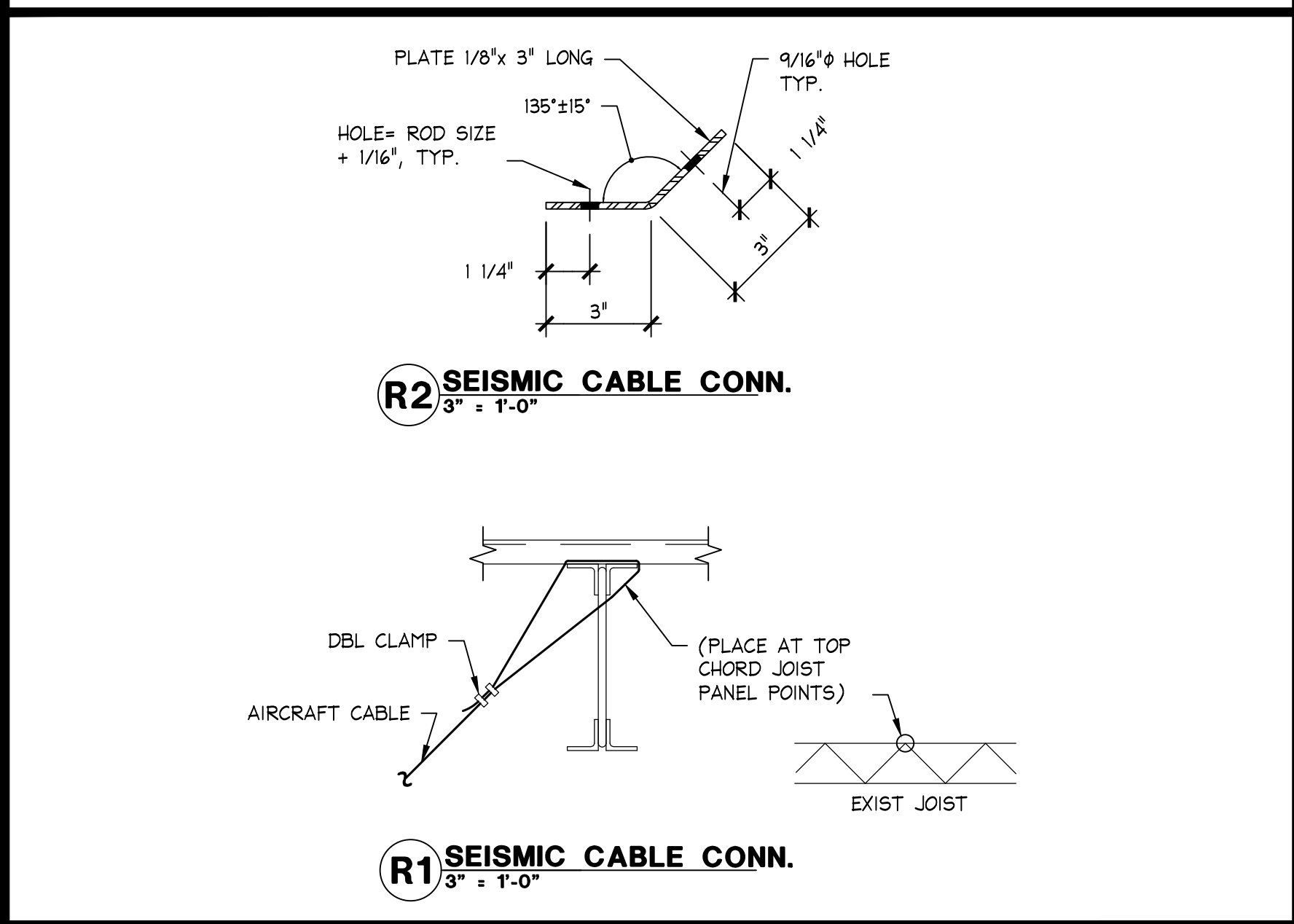
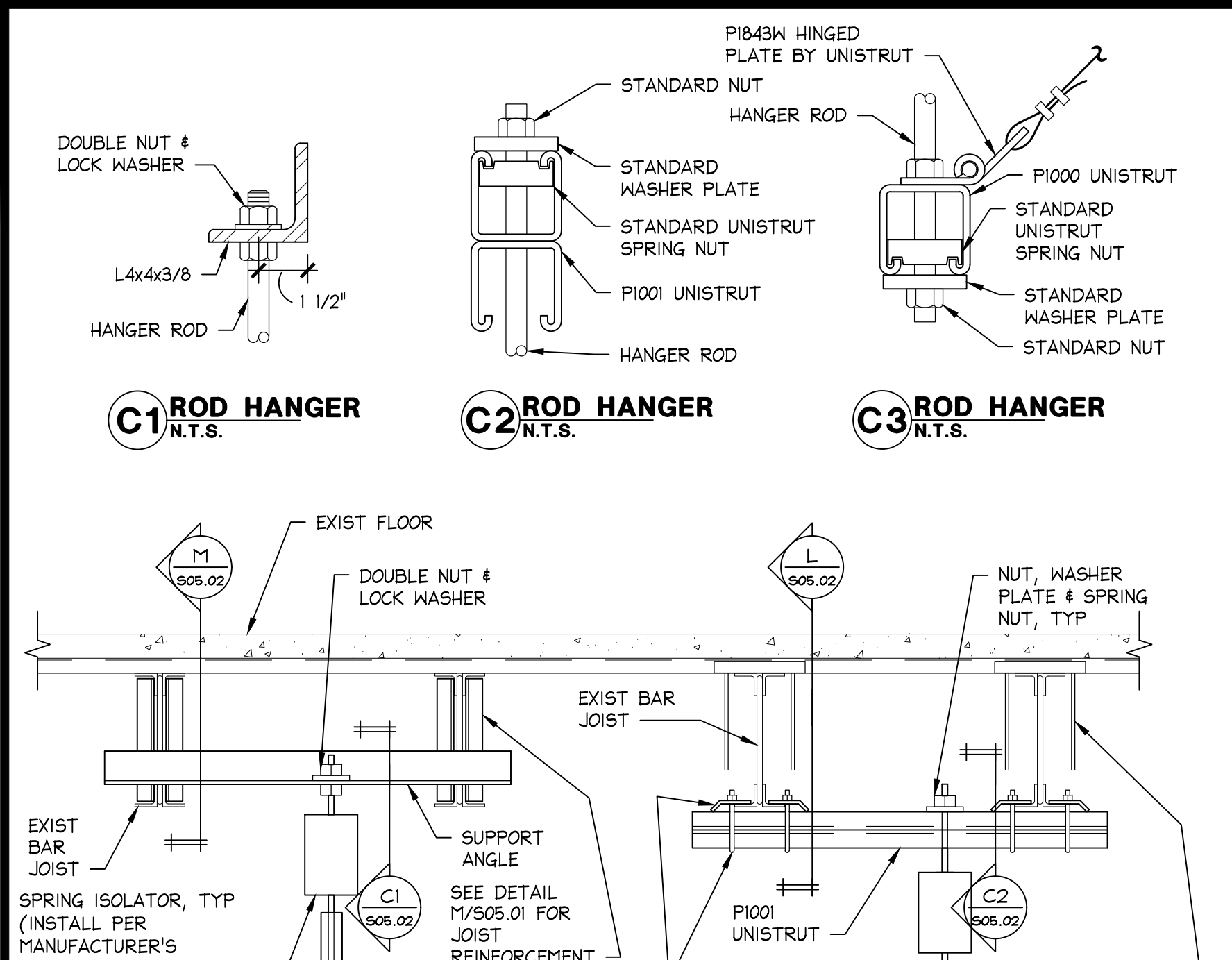
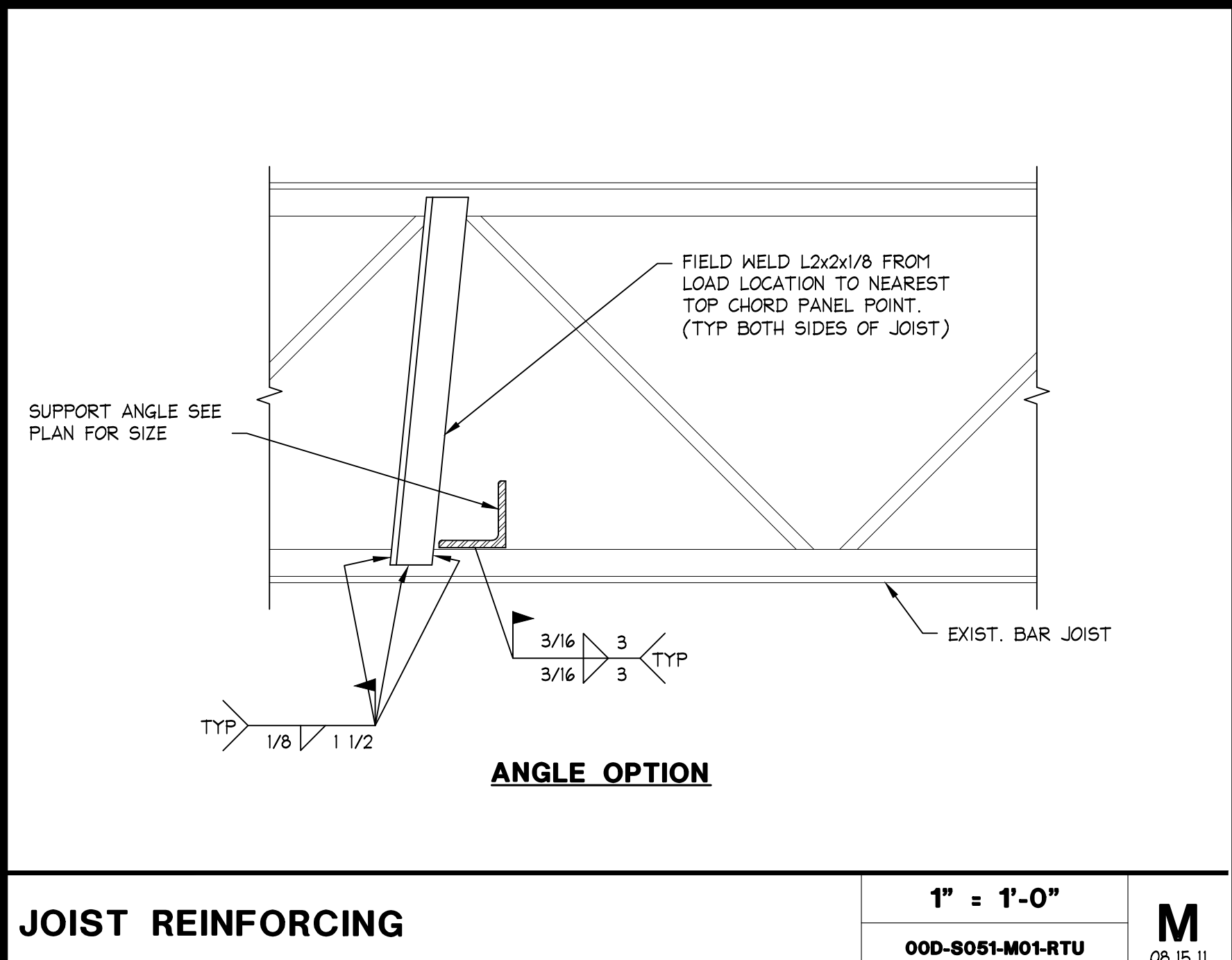
DATE ISSUED: 11/04/2022

MECH SUPPORT FRAMING PLAN AND DETAILS

DRAWING NUMBER: S05.01

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BATH & BODY WORKS
SOUTH HILL MALL
3500 S. MERIDIAN STREET
FOTALLUP, WA 98373
REVISIONS:
REQUIRED BY: _____ DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
DATE ISSUED: 11/04/2022
DESIGNED BY: AD
DRAWN BY: AD
CHECKED BY: MH
MECH SUPPORT FRAMING PLAN AND DETAILS
DRAWING NUMBER: **S05.02**

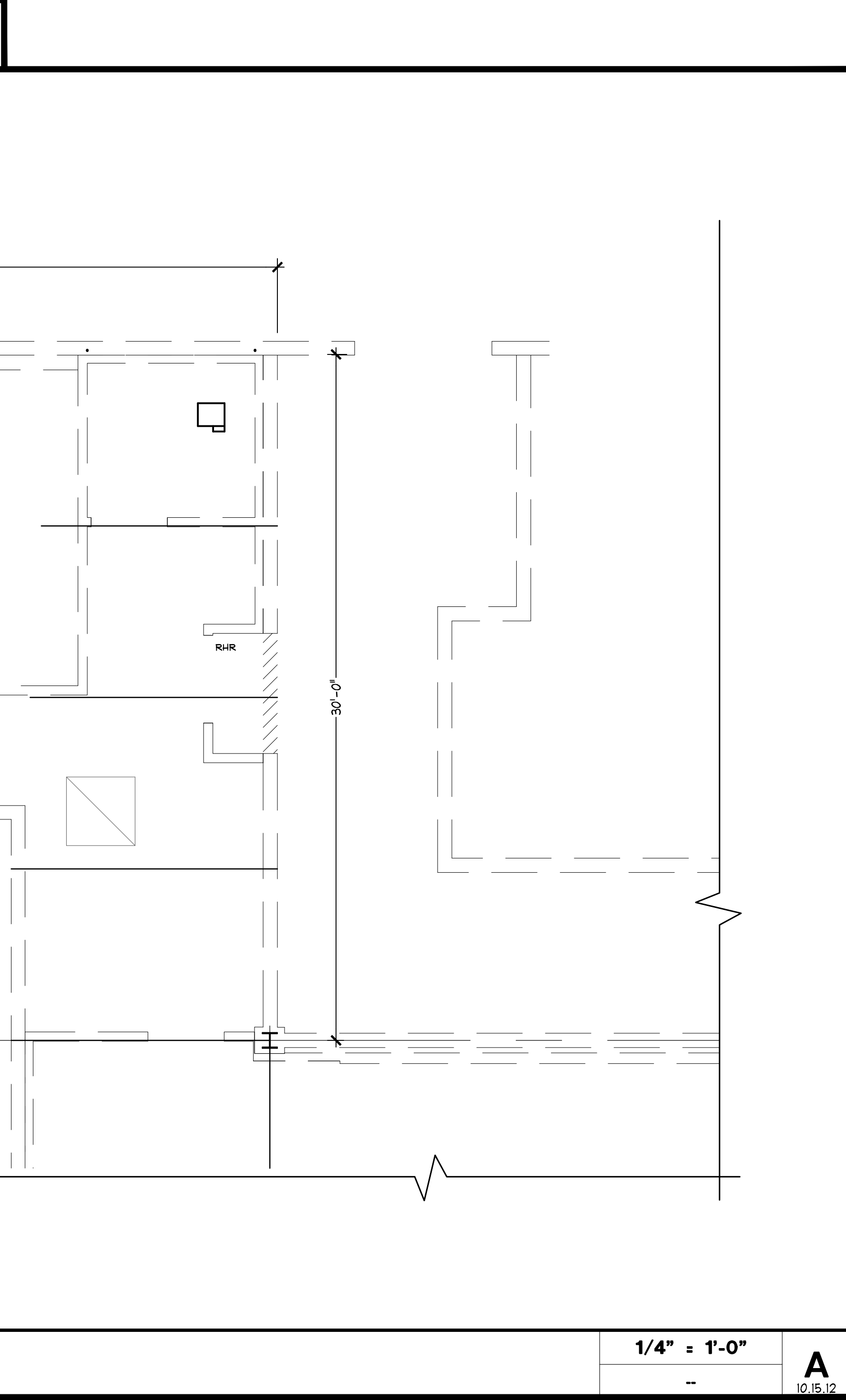
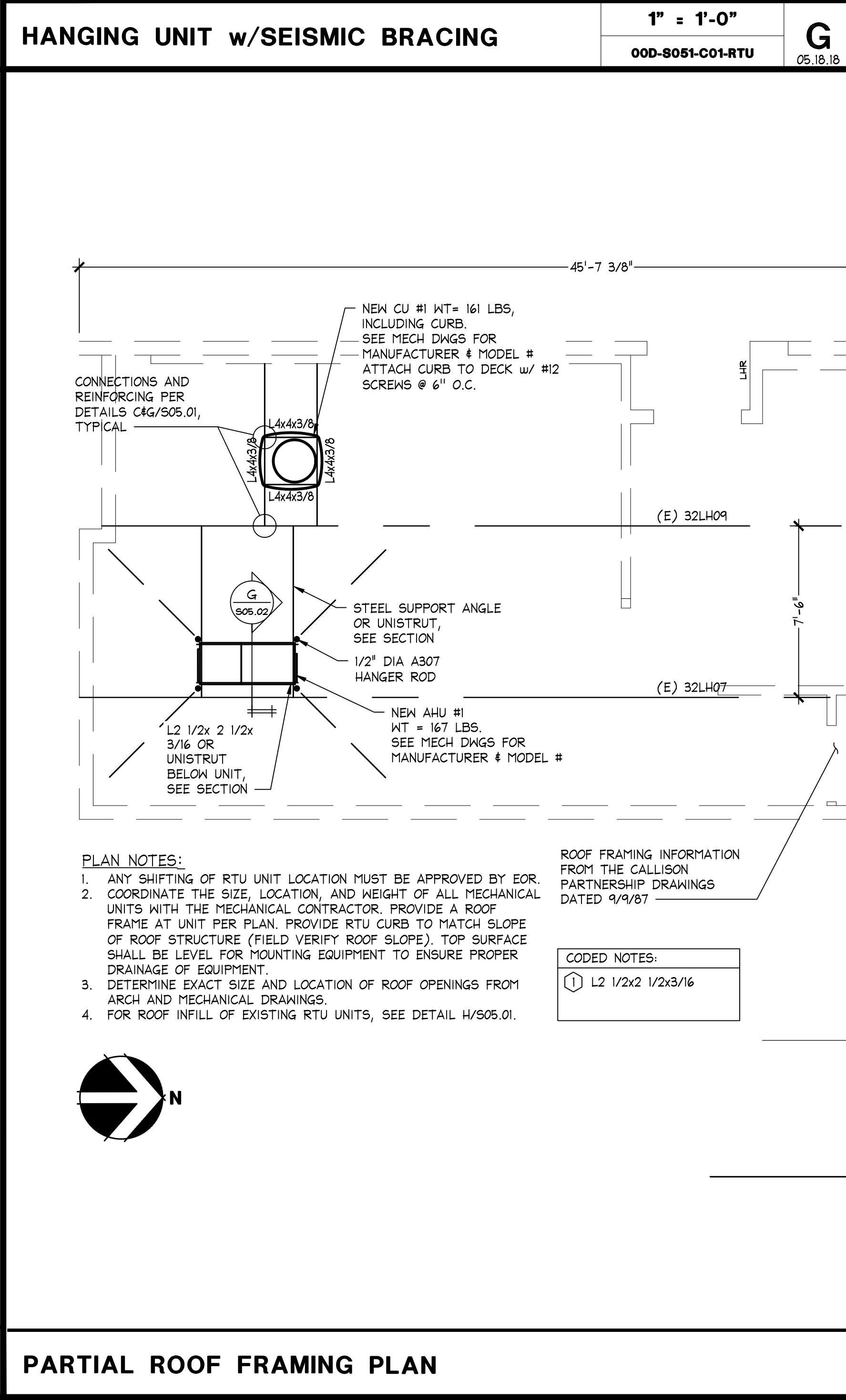
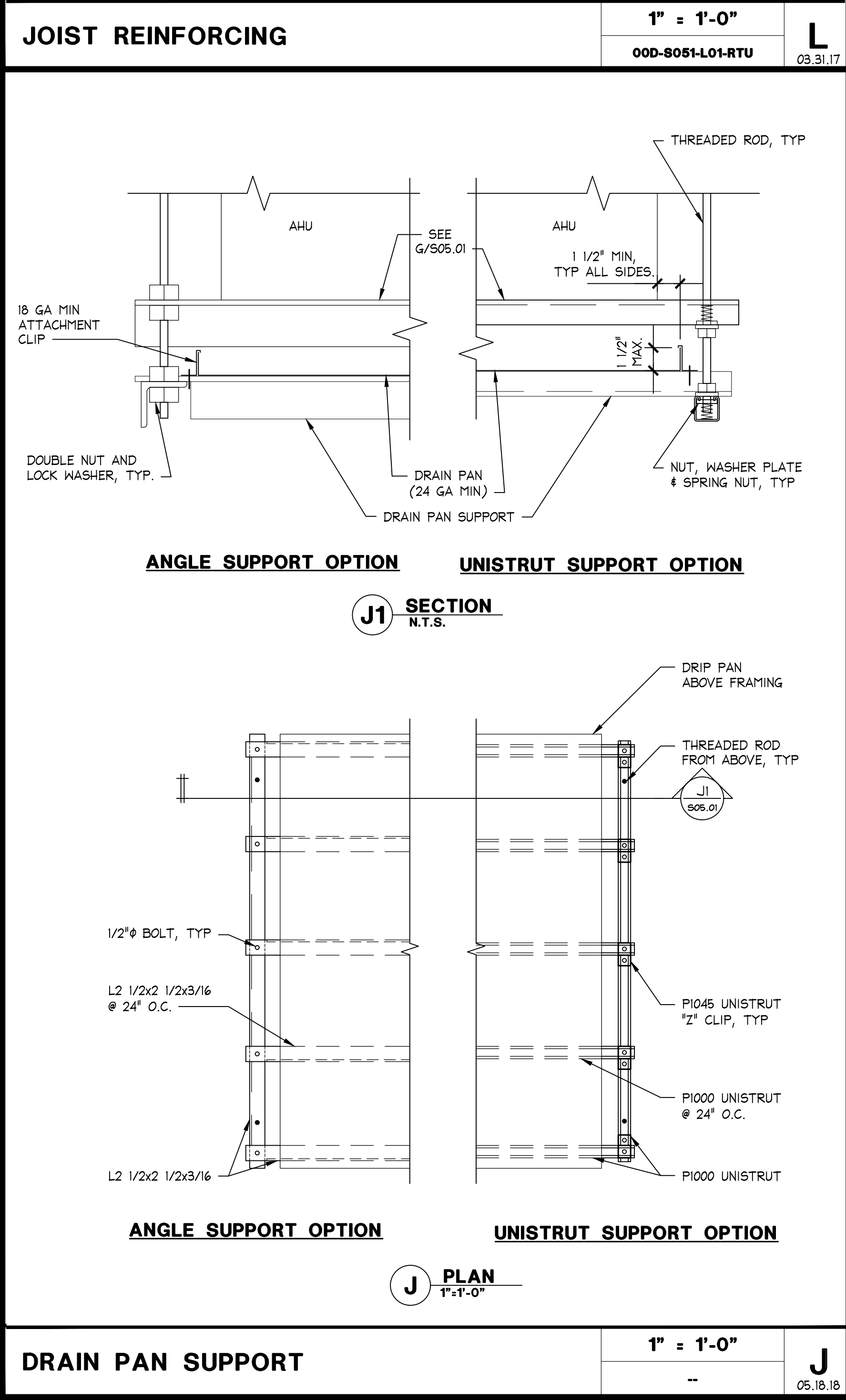


SECTION
N1 806.01

UNIT WEIGHT, LBS.	VERTICAL HANGER ROD	
	ROD SIZE, IN.	ROD REINFORCEMENT
<500	3/8"	UNISTRUT P1000T STIFFENER w/P2485 CRADLE CLIP @ 10' O.C. (MAX UNBRACED LENGTH = 10'-0")
500<WT.<1000	1/2"	UNISTRUT P1000T STIFFENER w/P2485 CRADLE CLIP @ 14' O.C. (MAX UNBRACED LENGTH = 10'-0")
1000<WT.<1500	5/8"	UNISTRUT P1000T STIFFENER w/P2485 CRADLE CLIP @ 16' O.C. (MAX UNBRACED LENGTH = 9'-0")
1500<WT.<2000	3/4"	UNISTRUT P1000T STIFFENER w/P2485 CRADLE CLIP @ 20' O.C. (MAX UNBRACED LENGTH = 7'-0")

NOTES:
1. ROD SHALL MEET THE MIN. SPECIFICATION OF ASTM A575 AND A576 THREADED ROD.

ALL UNISTRUT MATERIALS AND CONNECTIONS SHALL BE INSTALLED WITH STRICT CONFORMANCE TO MANUFACTURER'S RECOMMENDATIONS



PROJECT INFORMATION: **104.01.0737.01**
BATH & BODY WORKS
SOUTH HILL MALL
3500 S. MERIDIAN STREET
FOTALLUP, WA 98373
REVISIONS:
REQUIRED BY: _____ DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
DATE ISSUED: 11/04/2022
DESIGNED BY: AD
DRAWN BY: AD
CHECKED BY: MH
MECH SUPPORT FRAMING PLAN AND DETAILS
DRAWING NUMBER: **S05.02**

SYMBOL	ITEM	DESCRIPTION
	RECESSED DOWNLIGHT	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION
	RECESSED DIRECTIONAL	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION
	TRACK LIGHT	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION
	FLUORESCENT STRIP	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION
	EMERGENCY FLUORESCENT STRIP	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION
	FLUORESCENT TROFFER	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION
	SCONCE	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION
	DECORATIVE PENDANTS	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION
	DECORATIVE LAMP	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION
	EXIT SIGN W/ DIRECTIONAL ARROWS	ARROWS OPTIONAL PER PLAN. REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION. IN CANADA, EXIT SIGNS ARE SUPPLIED & INSTALLED BY CONTRACTOR
	EMERGENCY LIGHT, SURFACE	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION
	EMERGENCY LIGHT, RECESSED	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION
	SWITCH	REFER TO MECHANICAL SCHEDULE FOR INFORMATION.
	SWITCH - MOTION SENSOR	HUBBELL AP200W22 PASSIVE INFRARED, DOUBLE POLE, SINGLE THROW WALL SWITCH SENSOR WITH TWO SEPARATE RELAYS. WHITE COLOR FINISH.
	SWITCH - DIMMER	HUBBELL S61W, SINGLE POLE, SINGLE THROW WALL DIMMER SWITCH. WHITE COLOR FINISH.
	KEY SWITCH	HUBBELL HBL1223RKL, SINGLE POLE, THREE-WAY BARREL KEY WALL SWITCH FOR STOREFRONT ROLLING GRILLE. WHITE COLOR FINISH.
	SWITCH - DIMMER	ROOM CONTROLLER DIMMER SWITCH. REFER TO SHEET E05.02 FOR MORE INFORMATION.
	CEILING EXHAUST FAN	REFER TO MECHANICAL SCHEDULE FOR INFORMATION.
	TRAFFIC COUNTER	REFER TO ARCHITECTURAL DRAWINGS FOR COLOR INFORMATION
	WIRELESS ACCESS POINT	REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION.
	SPEAKER/SUBWOOFER	REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION.
	CAMERA/SECURITY DOME	REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION.
	IP CAMERA	REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION.
	LYAN	REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION.
	SINGLE RECEPT. W/ COVERPLATE	20 AMP, 120 VOLT
	DUPLEX RECEPT. W/ COVERPLATE	20 AMP, 120 VOLT, SHALL BE WHITE UNLESS NOTED OTHERWISE
	QUAD. RECEPT. W/ COVERPLATE	20 AMP, 120 VOLT
	FLUSH QUAD FLOOR RECEPT.	20 AMP, 120 VOLT FLOOR BOX
	FLUSH DUPLEX FLOOR RECEPT.	20 AMP, 120 VOLT FLOOR BOX
	FLUSH DUPLEX/DATA FLOOR RECEPT	20 AMP, 120 VOLT FLOOR BOX
	TELEPHONE OUTLET	WHITE COLOR RJ14C TELE. JACK IN SALES AND NON-SALES AREA.
	DATA/TELEPHONE OUTLET	WHITE COLOR PLATE IN SALES AND IN NON-SALES AREA.
	JUNCTION BOX	JUNCTION BOX, 4" X 4" X 2 1/8" DEEP MINIMUM
	MAGNETIC STARTER	FULL VOLTAGE STARTER IN A NEMA 1 ENCLOSURE, SIZE 1 MINIMUM
	DISCONNECT SWITCH	HEAVY DUTY, FUSIBLE AND NON-FUSIBLE PROVIDED BY EC
	DISCONNECT SWITCH	HEAVY DUTY, FUSIBLE AND NON-FUSIBLE PREINSTALLED WITH EQUIPMENT
	DELIVERY BUZZER TRANSFORMER	TRANSFORMER AT 8"-0" AFF
	DELIVERY BUZZER	REFER TO POWER PLAN FOR MOUNTING INFORMATION
	PUSHBUTTON	PUSHBUTTON UNIT
	CEILING SMOKE DETECTOR	SYSTEM CONNECTED CEILING MOUNTED PHOTOELECTRIC TYPE SMOKE DETECTOR
	DUCT SMOKE DETECTOR	SYSTEM CONNECTED DUCT MOUNTED PHOTOELECTRIC TYPE SMOKE DETECTOR COMPLETE WITH SAMPLING TUBES
	DOOR CONTACT	FOR SECURITY / CAMERA SYSTEM
	MOTION DETECTOR	CEILING MOUNTED
	MOTION DETECTOR	WALL MOUNTED
	KEYPAD	KEYPAD SEE FLOOR PLAN FOR LOCATION
	CEILING MOUNTED OCC. SENSOR	LEVITON POWER BASE ADAPTER MODEL OPB15 AND OCCUPANCY SENSOR MODEL OSC-10 MOW. MOUNT SENSOR LEVELLED WITH LIGHTS.
	CEILING MOUNTED POWER PACK AND OCCUPANCY SENSOR(S)	ROOM CONTROLLER OCCUPANCY SENSOR. REFER TO SHEET E05.02 FOR MORE INFORMATION.
	CEILING MOUNTED POWER PACK AND OCCUPANCY SENSOR(S)	POWER PACK, LEVITON MODEL OP2P01 OCCUPANCY SENSOR LEVITON MODEL OSC-10-MOW
	DAYLIGHT PHOTO SENSOR	SINGLE GANG BOX (2"x4") FOR SENSOR/THERMOSTAT/HUMIDISTAT/CARBON MONOXIDE WITH FACE FLUSH TO DRYWALL.
	HVAC MONITORING SENSOR	BULLET TYPE SENSOR DOES NOT REQUIRE JUNCTION BOX, ONLY 1/2" CONDUIT IN WALL TO ABOVE CEILING.
	ELECTRONICALLY OPERATED DAMPER W/ 100GLE DISCONNECT	REFER TO MECHANICAL DRAWINGS FOR SPECIFICATIONS.
	FIRE ALARM CONTROL PANEL	INCLUDES BATTERY BACK-UP FURNISHED AND INSTALLED BY FIRE ALARM CONTRACTOR. COORDINATE WITH LANDLORD ALL FINAL SEQUENCES OF OPERATION.
	FIRE ALARM REMOTE ANNUNCIATOR	
	FIRE ALARM MANUAL PULL STATION	MOUNT CENTER OF DEVICE AT 48" AFF
	FIRE ALARM HORN/STROBE	DEVICE SHALL BE WALL MOUNTED. MOUNT CENTER OF LENS AT 80" AFF. CANDELA RATING BY FIRE ALARM CONTRACTOR.
	FIRE ALARM HORN/STROBE	DEVICE SHALL BE WALL MOUNTED. MOUNT CENTER OF LENS AT 80" AFF. CANDELA RATING BY FIRE ALARM CONTRACTOR.
	FIRE ALARM HORN/STROBE	DEVICE SHALL BE CEILING MOUNTED. CANDELA RATING BY FIRE ALARM CONTRACTOR.
	FIRE ALARM STROBE	DEVICE SHALL BE CEILING MOUNTED. CANDELA RATING BY FIRE ALARM CONTRACTOR.
	FIRE ALARM BELL	DEVICE SHALL BE MOUNTED ABOVE THE CEILING. RATING BY FIRE ALARM CONTRACTOR.
	HEAT DETECTOR	
	END OF LINE RESISTOR	
	FAN SHUT DOWN RELAY	
	FIRE ALARM WATER FLOW SWITCH	
	EVACUATION SPEAKER	WHITE FOR LIGHT COLOR CEILINGS. BLACK FOR DARK COLOR CEILINGS.
	ROOM CONTROLLER	ROOM CONTROLLER DIMMING SYSTEM. SEE SHEET E03.01 FOR MORE INFORMATION.

ELECTRICAL SERVICE / DISTRIBUTION									
ITEM	FURNISHED BY			INSTALLED OR PERFORMED BY			RE-USE EXISTING	N/A	REMARKS
	LANDLORD	CONTR.	BWV VENDOR	LANDLORD	CONTR.	OTHER			
MAIN OVER CURRENT DEVICE IN LANDLORD'S ELECTRICAL EQUIPMENT									FIELD VERIFY PRIOR TO BID
METER IN LANDLORD'S OR TENANT'S SPACE (VERIFY W/ POWER PLANS, RESE)									FIELD VERIFY PRIOR TO BID
C/7'S AND CABINET IN LANDLORD'S OR TENANT'S SPACE (VERIFY W/ POWER PLANS, RESE)									FIELD VERIFY PRIOR TO BID
SERVICE ENTRANCE CONDUIT(S) TO LEASE SPACE									FIELD VERIFY PRIOR TO BID
SERVICE ENTRANCE FEEDER(S) TO LEASE SPACE									FIELD VERIFY PRIOR TO BID
IF S. ENCLOSURE (SWITCHGEAR ASSEMBLY)									FIELD VERIFY PRIOR TO BID
277/480 VOLT PANEL OR 347/600 VOLT PANEL									INSTALLED IN FACTORY
STEP DOWN LINE TRANSFORMER & MOUNTING ACCESSORIES									INSTALLED IN FACTORY
120/208 VOLT PANEL(S)									INSTALLED IN FACTORY
SMART BREAKER SYSTEM FOR LIGHTING CONTROL									INSTALLED IN FACTORY
LIGHTING CONTROLLED WITH POWER SUPPLY AND OVERIDE STATION									INSTALLED IN FACTORY AS REQUIRED BY ENGINEER
BREAKER LOCKS									

MECHANICAL / PLUMBING EQUIPMENT COORDINATION									
ITEM	FURNISHED BY			INSTALLED OR PERFORMED BY			RE-USE EXISTING	N/A	REMARKS
	LANDLORD	CONTR.	BWV VENDOR	LANDLORD	CONTR.	OTHER			
POWER WIRING AND CONDUIT / PULL STRING TO ALL HVAC EQUIPMENT									
ROOF TOP UNIT - DISCONNECT SWITCH									ACS
ROOF TOP UNIT - WEATHERPROOF GFI SERVICE REC.									ACS
AIR HANDLING UNIT (OH AND/OR HW, CW WITH ELECTRIC HEAT-RECONNECT SWITCH/FA CONTACTS)									ACS
AIR HANDLING UNIT (OH SPLIT) - DISCONNECT SWITCH / FAN CONTACTS									ACS
CONDENSING UNIT (OH SPLIT) - DISCONNECT SWITCH									EC
CONDENSING UNIT (OH SPLIT) - DISCONNECT SWITCH									EC
FAN POWERED VAV / VAV SYSTEM (WITH OR WITHOUT ELECTRIC HEAT) - DISCONNECT SWITCH									EC
WATER SOURCE HEAT PUMP - DISCONNECT SWITCH									EC
WEATHERPROOF GFI SERVICE REC.									EC
TOILET EXHAUST FANS (FRACTIONAL HP) WITH DISCONNECT SWITCH									MC
ELECTRONIC CONTROL DAMPERS - DISCONNECT SWITCH									EC
DUCT HEATERS									EC
HVAC SENSOR JUNCTION BOX AND CONDUIT WITH PULL STRING									WIRK BY MC
DEMONTATION SINK SOLENOID VALVE									PC

LOW VOLTAGE SYSTEMS									
ITEM	FURNISHED BY			INSTALLED OR PERFORMED BY			RE-USE EXISTING	N/A	REMARKS
	LANDLORD	CONTR.	BWV VENDOR	LANDLORD	CONTR.	OTHER			
BURGLAR / SECURITY SYSTEM - HARDWARE									SSV
BURGLAR / SECURITY SYSTEM - HARDWARE									SSV
BURGLAR / SECURITY SYSTEM - CONDUIT / PULL STRING									EC
WAP HARDWARE									TELC
WAP - WIRE									TELC
WAP - CONDUIT / PULL STRING									EC
LYAN / TRAFFIC & OBSERVATIONS SYSTEM - HARDWARE									TELC
LYAN / TRAFFIC & OBSERVATIONS SYSTEM - WIRE									TELC
LYAN / TRAFFIC & OBSERVATIONS SYSTEM - CONDUIT / PULL STRING									EC
MUSIC SYSTEM - HARDWARE (SPEAKERS/CONTROLLERS)									MS
MUSIC SYSTEM - WIRE									MS
MUSIC SYSTEM - CONDUIT / PULL STRING									EC
DELIVERY BUZZER SYSTEM - HARDWARE									EC
DELIVERY BUZZER SYSTEM - WIRE									EC
DELIVERY BUZZER SYSTEM - CONDUIT / PULL STRING									EC
TRAFFIC COUNTER - CONDUIT / PULL STRING									EC
TRAFFIC COUNTER - WIRE									BWV

MISCELLANEOUS ELECTRICAL ITEMS									
ITEM	FURNISHED BY			INSTALLED OR PERFORMED BY			RE-USE EXISTING	N/A	REMARKS
	LANDLORD	CONTR.	BWV VENDOR	LANDLORD	CONTR.	OTHER			
LIGHTING FIXTURES AND LAMPS									LD
RECEPTACLES, COVERPLATES AND MOTION SENSOR LIGHT SWITCHES									EC
FLOOR BOXES, COVERS AND FLOOR BOXES WITH DATA									EC
JUNCTION BOXES									EC
DATA AND TELEPHONE SYSTEMS - CABLE AND JACKS									TELC
DATA AND TELEPHONE SYSTEMS - CONDUITS / PULL STRING									EC
TELEPHONE SIGNAL PANEL - PROTECTION OF DURING CONSTRUCTION / RELOCATION / DEMOLITION									GC
DUCT SMOKE DETECTOR									MC
MECHANICAL EQUIPMENT SHUT-DOWN RELAY									FAC
FIRE ALARM SYSTEM									FAC
GLASSWALL									EC
POWER WIRING AND CONDUIT / PULL STRING									EC
ROOM CONTROLLER DEVICES AND WIRING									IF
NETWORK CABINET									GC
AS-BUILT DRAWINGS									EC

ANY ITEM NOT SHOWN IS THE RESPONSIBILITY OF CONTRACTOR.

TYPE OF PENETRATION	CONCRETE OR MASONRY				GYPSUM BOARD/FRAME			
	FLOORS U/LC/UC SYSTEM #	WALLS U/LC/UC SYSTEM #	FLOORS U/LC/UC SYSTEM #	WALLS U/LC/UC SYSTEM #	FLOORS U/LC/UC SYSTEM #	WALLS U/LC/UC SYSTEM #	FLOORS U/LC/UC SYSTEM #	WALLS U/LC/UC SYSTEM #
METAL CONDUITS MAX. 4"	CAJ1080	CAJ1080	FC1010	WL1048	CAJ1213	WL1030	WL1088	LC150 SEALANT
	CAJ1198	CAJ1198		WL1062	CAJ1198	CAJ1198	WL1062	PEN300 SILICONE
PVC CONDUIT 2" AND SMALLER	CA2031	WJ2018	FC2032	WL2093				SS100 SEALANT
	CA2038	CA2038		WL2029				FIRESTOP COLLAR
PVC CONDUITS 2" THRU 4"	CA2045	CA2045		WL2059	CA2045	CA2045	FC2033	FIRESTOP COLLAR
	CAJ2124	CAJ2124		WL2059				WRAP STRIPS
	CAJ4209	WJ4021		WL4008	CAJ4209	WJ4021		FIRESTOP PILLOWS
	CAJ4202	CAJ4202		WL4005				FIRESTOP MORTAR
CABLE TRAY STEEL OR ALUMINUM	WJ4009	WJ4009		WL4005				SS100 SEALANT
	CAJ6003	CAJ6003		WL6001				PEN300 SILICONE
	CAJ6008	CAJ6008		WL6001				SS100 SEALANT
ELECTRICAL BUS DUCT								
CABLE BUNDLES MAX. 3"	CAJ3154	WJ3022		WL3076				SS100 SEALANT

FIRE PENETRATION SCHEDULE			
ITEM	DESCRIPTION	DATE	REVISION
1.	ALL U/LC/UC LISTED SYSTEMS SHOWN ABOVE ARE BASED ON PROVIDING A 1 & 2 HOUR RATED FIRESTOP, WHERE 3 HOUR RATING IS REQUIRED, CONTACT FIRESTOP MANUFACTURER FOR DESIGN MODIFICATIONS.	08/15/17	H
2.	ALL U/LC/UC LISTED SYSTEMS SHOWN ABOVE ARE BASED ON "SpecSpeed Firestop" PRODUCTS FROM SPECIFIED TECHNOLOGIES, INC. OR APPROVED EQUAL PRODUCTS FROM "3-M" OR HILLI, INC.	08/15/17	H

ELECTRICAL ABBREVIATIONS			
ITEM	DESCRIPTION	DATE	REVISION
A/C	AIR CONDITIONER	FAC	FIRE ALARM CONTRACTOR
AC	ALTERNATING CURRENT	FIXT	FIXTURE
ACS	HVAC EQUIPMENT SUPPLIER	FLA	FULL LOAD AMPS
AFT	ABOVE FINISHED FLOOR	GRD	GROUND
AHU	AIR HANDLING UNIT	GC	GENERAL CONTRACTOR
AHJ	AUTHORITY HAVING JURISDICTION	GFI	GROUND FAULT INTERRUPTER
COL	COLUMN	HP	HORSEPOWER
AMP. A	AMPERE INTERRUPTING CAPACITY	HV	HIGH VOLTAGE
		HZ	HERTZ
BWV	BATH & BODY WORKS, INC.	IF	INTERCOM PHONE
C	CONDUIT	IFS	IFS SUPPLIER
C.B	CIRCUIT BREAKER	IFS	INTEGRATED FACILITY SYSTEM
CCTV	CLOSED CIRCUIT TELEVISION	J-BOX	JUNCTION BOX
CIRC.	CIRCUIT	RM	ROOM
CL	CURRENT LIMITER	RTU	ROOF TOP UNIT
COLL.	COLUMN	SC	SECURITY CONTRACTOR
COND	CONDUIT	SSV	SECURITY SYSTEM VENDOR
CONT	CONTINUED	SW	SWITCH
CU	COPPER	SW BD	SWITCHBOARD
DET	DETAIL	TELC	TELEPHONE CONTRACTOR
DF	DRAINING	TYP	TYPICAL
DIA	DIAMETER	Y	VOLT
DISC	DISCONNECT	WAP	WEATHERPROOF WIRELESS ACCESS POINT
DISTR	DISTRIBUTION		
DWG	DRAWING		
(E) EX	EXISTING	MCA	MINIMUM CIRCUIT CAPACITY
EC	ELECTRICAL CONTRACTOR	MCC	MOTOR CONTROL CENTER
EF	EXHAUST FAN	MCB	MAIN CIRCUIT BREAKER
ELEC	ELECTRICAL	MECH	MECHANICAL
EM	EMERGENCY LIGHT DESIGNATION	MLO	MAIN LUG ONLY
EMS	ENERGY MANAGEMENT SYSTEM	MH	MOUNTING HEIGHT
		MOP	MAXIMUM OVER CURRENT PROTECTION
EWC	ELECTRIC WATER COOLER	MCS	MUSIC SYSTEM VENDOR
EXO	EXTERNALLY OPERATED	N.C.	NORMALLY CLOSED
EXT LOC	EXTERIOR LOCATION	NF	NON FUSED
		N.L.C.	NOT IN CONTRACT
FA	FIRE ALARM		

ELECTRICAL GENERAL NOTES			
ITEM	DESCRIPTION	DATE	REVISION
1.	FIRE ALARM SYSTEM SHALL BE U/LC/UC LISTED AND APPROVED BY LOCAL FIRE OFFICIAL AND FIRE DEPARTMENT.	08/15/17	F
2.	FIRE ALARM SYSTEM TO SHUT-DOWN HVAC UNITS AND MUTE MUSIC SYSTEM IN CASE OF ANY ZONE ALARM.	08/15/17	F
3.	FIRE ALARM CONTRACTOR SHALL FURNISH AND INSTALL RELAYS AND DRY CONTACTS FOR HVAC UNITS AND MUSIC SYSTEM AS REQUIRED. RELAYS SHALL SHUT-DOWN HVAC UNITS AND MUTE MUSIC SYSTEM UPON ANY ZONE ALARM.	08/15/17	F
4.	TENANT'S FIRE ALARM SYSTEM SHALL BE PRE-TESTED PER LANDLORD'S CRITERIA AND LOCAL AUTHORITY. TENANT'S FIRE ALARM SYSTEM SHALL BE FINAL TESTED BY THE LOCAL BUILDING AND FIRE MARSHALL AND WITNESSED BY LANDLORD'S ON-SITE REPRESENTATIVE.	08/15/17	F



Bath & Body Works
 Three Limited Parkway Columbus, Ohio 43230
 Telephone: 614.415.7000 Fax: 614.415.7349

PROJECT INFORMATION:
 104.01.0737.01
BATH & BODY WORKS
 SOUTH HILL MALL
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REVISIONS:

DATE ISSUED: 11/04/2022
DESIGNED BY: RDW
DRAWN BY: TBA
CHECKED BY: JH

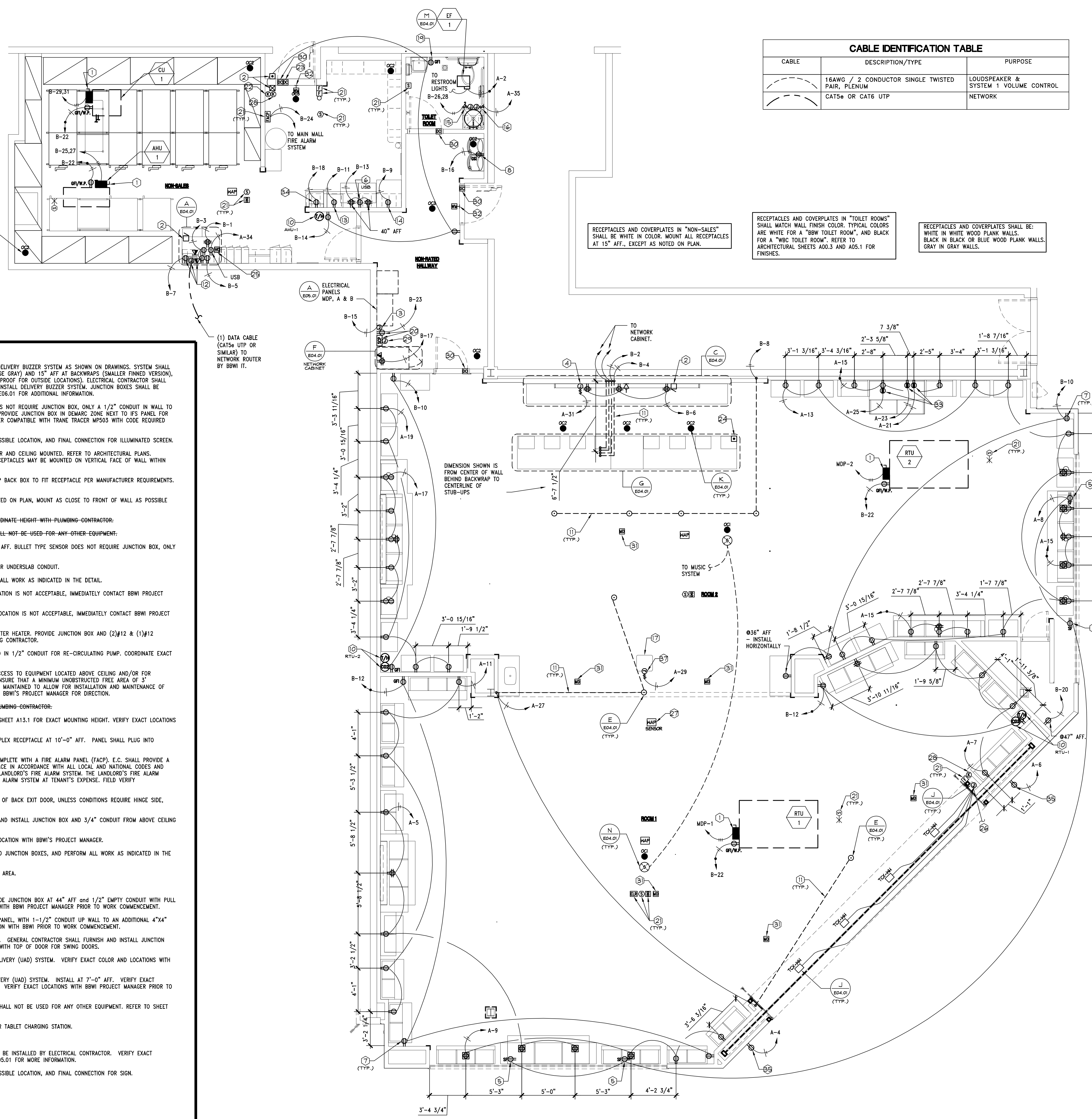
ELECTRICAL POWER & LOW VOLTAGE PLAN
 DRAWING NUMBER: **E02.01**

PACKAGE: FULL REMODEL
GENERATION: 00116082
A/E PROJECT #:

SSIS PKG 2
 2315G.00
 20221012.0

CABLE IDENTIFICATION TABLE		
CABLE	DESCRIPTION/TYPE	PURPOSE
	16AWG / 2 CONDUCTOR SINGLE TWISTED PAIR, PLENUM	LOUDSPEAKER & SYSTEM 1 VOLUME CONTROL
	CAT5e OR CAT6 UTP	NETWORK

- NOTE:** REFER TO RESPONSIBILITY SCHEDULE FOR CONTRACTOR'S RESPONSIBILITIES.
- NOTE:** ALL SPEAKER AND SUBWOOFER CABLEING IS DAISY-CHAINED IN PARALLEL SPEAKER-TO-SPEAKER WITHIN THE SAME BRAND OF THE STORE.
- NOTE:** THERE SHALL NOT BE MORE THAN (3) CABLES RUNNING TO/FROM EACH SPEAKER.
- NOTE:** MAINTAIN A SINGLE CABLE BETWEEN ROOMS TO AVOID EXCESSIVE CABLE PULLS. SPEAKER-TO-SPEAKER CABLE PULL WITHIN EACH ROOM ARE DISCRETIONARY AS LONG AS EVERY SPEAKER AND SUBWOOFER IS ACCOUNTED FOR.
- NOTE:** WIRELESS ACCESS POINT (WAP) DEVICES TO BE PLACED WITHIN 35 FEET RADIUS FROM EACH OTHER.



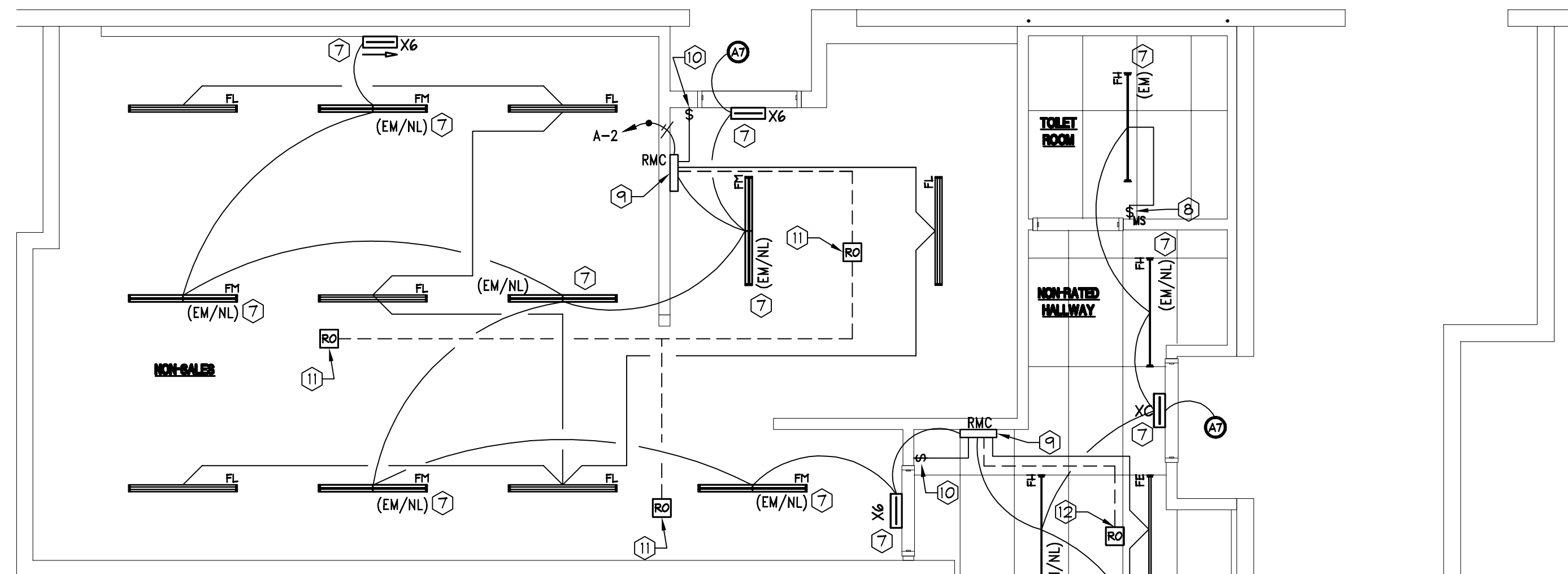
RECEPTACLES AND COVERPLATES IN "NON-SALES" SHALL BE WHITE IN COLOR. MOUNT ALL RECEPTACLES AT 15" AFF., EXCEPT AS NOTED ON PLAN.

RECEPTACLES AND COVERPLATES IN "TOILET ROOMS" SHALL MATCH WALL FINISH COLOR. TYPICAL COLORS ARE WHITE FOR A "BBW TOILET ROOM", AND BLACK FOR A "WBC TOILET ROOM". REFER TO ARCHITECTURAL SHEETS A00.3 AND A05.1 FOR FINISHES.

RECEPTACLES AND COVERPLATES SHALL BE: WHITE IN WHITE WOOD PLANK WALLS. BLACK IN BLACK OR BLUE WOOD PLANK WALLS. GRAY IN GRAY WALLS.

- SEE SHEET E05.01 ELECTRICAL EQUIPMENT DATA FOR WIRE SIZE.
- ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL COMPLETE EDWARDS DELIVERY BUZZER SYSTEM AS SHOWN ON DRAWINGS. SYSTEM SHALL INCLUDE TRANSFORMER, BUZZERS MOUNTED AT 96" AFF IN NON SALES (LARGE GRAY) AND 15" AFF AT BACKWRAPS (SMALLER FINNED VERSION), LOUISER COVERPLATES, AND FISHBONE MOUNTED AT 48" AFF. (WEATHERPROOF FOR OUTSIDE LOCATIONS). ELECTRICAL CONTRACTOR SHALL PROVIDE NECESSARY JUNCTION BOXES, CONDUIT, AND WIRE TO COMPLETELY INSTALL DELIVERY BUZZER SYSTEM. JUNCTION BOXES SHALL BE MOUNTED VERTICALLY. REFER TO SPECIFICATION SECTION 269000 ON SHEET E06.01 FOR ADDITIONAL INFORMATION.
- HVAC MONITORING SENSOR MOUNTED AT 52" AFF. BULLET TYPE SENSOR DOES NOT REQUIRE JUNCTION BOX, ONLY A 1/2" CONDUIT IN WALL TO ABOVE CEILING. SENSOR TO BE ROUTED BACK TO MONITOR CIRCUIT BOARD. PROVIDE JUNCTION BOX IN DEMARC ZONE NEXT TO JFS PANEL FOR MONITOR CIRCUIT BOARD. PROVIDE AND INSTALL 24 VOLT 150VA TRANSFORMER COMPATIBLE WITH TRANE TRACER MP503 WITH CODE REQUIRED DISCONNECT SWITCH.
- PROVIDE JUNCTION BOX, TOGGLE DISCONNECT SWITCH IN NON-VISIBLE, ACCESSIBLE LOCATION, AND FINAL CONNECTION FOR ILLUMINATED SCREEN.
- RECEPTACLES AND COVERPLATES DESIGNATED "SP" SHALL BE WHITE IN COLOR AND CEILING MOUNTED. REFER TO ARCHITECTURAL PLANS. SUPPORT BOX FROM STRUCTURE. IF NOT FEASIBLE TO PLACE IN CEILING, RECEPTACLES MAY BE MOUNTED ON VERTICAL FACE OF WALL WITHIN 18" FROM THE TOP OF THE SHOW WINDOW GLAZING.
- USB CHARGER RECEPTACLE AND COVERPLATE SHALL BE WHITE. PROVIDE DEEP BACK BOX TO FIT RECEPTACLE PER MANUFACTURER REQUIREMENTS. MOUNT ABOVE COUNTER AT 40" AFF.
- RECEPTACLES AND COVERPLATES SHALL BE WHITE IN COLOR. EXCEPT AS NOTED ON PLAN, MOUNT AS CLOSE TO FRONT OF WALL AS POSSIBLE (TO CLEAR BASE CABINET), AT 15" AFF.
- PROVIDE DUPLEX RECEPTACLE FOR DRINKING FOUNTAIN/WATER COOLER. COORDINATE HEIGHT WITH PLUMBING CONTRACTOR.
- DEDICATED DUPLEX RECEPTACLE FOR SEASONAL CASH REGISTER. CIRCUIT SHALL NOT BE USED FOR ANY OTHER EQUIPMENT.
- MECHANICAL SENSORS (QUANTITY/TYPE AS SHOWN) TO BE MOUNTED AT 52" AFF. BULLET TYPE SENSOR DOES NOT REQUIRE JUNCTION BOX, ONLY A 1/2" CONDUIT IN WALL TO ABOVE CEILING.
- SAW CUT/CORE DRILL AND PATCH FLOOR SLAB AS REQUIRED FOR IN SLAB OR UNDERSLAB CONDUIT.
- MUSIC SYSTEM. PROVIDE ALL CONDUIT AND JUNCTION BOXES, AND PERFORM ALL WORK AS INDICATED IN THE DETAIL.
- 20 AMP, 120 VOLT RECEPTACLE AT 42" AFF. FOR MICROWAVE. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT BBWI PROJECT MANAGER FOR DIRECTION. SEE SHEET A14.02 FOR ADDITIONAL INFORMATION.
- 20 AMP, 120 VOLT RECEPTACLE AT 18" AFF. FOR REFRIGERATOR. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT BBWI PROJECT MANAGER FOR DIRECTION. SEE SHEET A14.02 FOR ADDITIONAL INFORMATION.
- INSTALL 20A, 2 POLE "AC" TOGGLE DISCONNECT FURNISHED BY BBWI FOR WATER HEATER. PROVIDE JUNCTION BOX AND (2) #12 & (1) #12 GROUND IN 1/2" CONDUIT. COORDINATE EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR.
- PROVIDE JUNCTION BOX, TOGGLE DISCONNECT AND (2) #12 & (1) #12 GROUND IN 1/2" CONDUIT FOR RE-CIRCULATING PUMP. COORDINATE EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR.
- AIR DEVICE OR ACCESS PANEL BY GENERAL CONTRACTOR TO BE USED AS ACCESS TO EQUIPMENT LOCATED ABOVE CEILING AND/OR FOR TRANSMISSION OF ALARM SOUND. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT A MINIMUM UNOBSTRUCTED FREE AREA OF 3' VERTICALLY AND 3' HORIZONTALLY IN ALL DIRECTIONS AROUND EQUIPMENT IS MAINTAINED TO ALLOW FOR INSTALLATION AND MAINTENANCE OF EQUIPMENT. IF THIS FREE AREA CANNOT BE OBTAINED, IMMEDIATELY CONTACT BBWI'S PROJECT MANAGER FOR DIRECTION.
- RECEPTACLE FOR DEMO-SINK-DRAIN-PUMP. COORDINATION LOCATION WITH PLUMBING CONTRACTOR.
- PROVIDE GFI DUPLEX RECEPTACLE IN TOILET ROOM. REFER TO DETAIL C ON SHEET A13.1 FOR EXACT MOUNTING HEIGHT. VERIFY EXACT LOCATIONS WITH BBWI PROJECT MANAGER PRIOR TO WORK COMMENCEMENT.
- BURGLAR ALARM SYSTEM CONTROL PANEL. MOUNT PANEL AND DEDICATED DUPLEX RECEPTACLE AT 10'-0" AFF. PANEL SHALL PLUG INTO ADJACENT DEDICATED RECEPTACLE.
- FIRE ALARM DEVICE. A FIRE ALARM SYSTEM IS REQUIRED FOR THE SPACE COMPLETE WITH A FIRE ALARM PANEL (FACP). E.C. SHALL PROVIDE A COMPLETE, PERMITTED, AND FULLY TESTED FIRE ALARM SYSTEM FOR THE SPACE IN ACCORDANCE WITH ALL LOCAL AND NATIONAL CODES AND LANDLORD REQUIREMENTS. THE SPACE FACP SHALL COMMUNICATE WITH THE LANDLORD'S FIRE ALARM SYSTEM. THE LANDLORD'S FIRE ALARM CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO THE LANDLORD'S FIRE ALARM SYSTEM AT TENANT'S EXPENSE. FIELD VERIFY AND COORDINATE PRIOR TO BID AND WORK COMMENCEMENT.
- KEYPAD FOR LYAN SYSTEM. MOUNTED WITH TOP AT 42" AFF AT LATCH-SIDE OF BACK EXIT DOOR, UNLESS CONDITIONS REQUIRE HINGE SIDE. WITH 1/2" CONDUIT UP WALL TO JUNCTION BOX ABOVE CEILING.
- DOOR CONTACT FOR LYAN SYSTEM. GENERAL CONTRACTOR SHALL FURNISH AND INSTALL JUNCTION BOX AND 3/4" CONDUIT FROM ABOVE CEILING TO 6" FROM DOOR, ALIGNED WITH TOP OF DOOR FOR SWING DOORS.
- INSTALL BUTTON FOR LYAN SYSTEM INSIDE CASHWRAP. COORDINATE EXACT LOCATION WITH BBWI'S PROJECT MANAGER.
- REMOTE VOLUME CONTROLLER FOR MUSIC SYSTEM. PROVIDE ALL CONDUIT AND JUNCTION BOXES, AND PERFORM ALL WORK AS INDICATED IN THE DETAILS.
- JUNCTION BOX FOR TRAFFIC COUNTER SHALL BE LOCATED IN AN ACCESSIBLE AREA.
- WAP SENSOR SHALL BE LOCATED 35 FEET FROM ENTRY DOOR.
- KEYPAD FOR BURGLAR ALARM / UNASSISTED DELIVERY (UAD) SYSTEM. PROVIDE JUNCTION BOX AT 44" AFF AND 1/2" EMPTY CONDUIT WITH PULL STRING TO ACCESSIBLE LOCATION ABOVE CEILING. VERIFY EXACT LOCATIONS WITH BBWI PROJECT MANAGER PRIOR TO WORK COMMENCEMENT.
- 4"x4" JUNCTION BOX MOUNTED IN WALL BEHIND BURGLAR ALARM CONTROL PANEL, WITH 1-1/2" CONDUIT UP WALL TO AN ADDITIONAL 4"x4" JUNCTION BOX MOUNTED ABOVE ACCESSIBLE CEILING. VERIFY EXACT LOCATION WITH BBWI PRIOR TO WORK COMMENCEMENT.
- DOOR CONTACT FOR BURGLAR ALARM / UNASSISTED DELIVERY (UAD) SYSTEM. GENERAL CONTRACTOR SHALL FURNISH AND INSTALL JUNCTION BOX AND 3/4" CONDUIT FROM ABOVE CEILING TO 6" FROM DOOR, ALIGNED WITH TOP OF DOOR FOR SWING DOORS.
- CEILING MOUNTED MOTION DETECTOR FOR BURGLAR ALARM / UNASSISTED DELIVERY (UAD) SYSTEM. VERIFY EXACT COLOR AND LOCATIONS WITH BBWI PROJECT MANAGER PRIOR TO WORK COMMENCEMENT.
- WALL MOUNTED MOTION DETECTOR FOR BURGLAR ALARM / UNASSISTED DELIVERY (UAD) SYSTEM. INSTALL AT 7'-0" AFF. VERIFY EXACT LOCATIONS WITH BBWI PROJECT MANAGER PRIOR TO WORK COMMENCEMENT. VERIFY EXACT LOCATIONS WITH BBWI PROJECT MANAGER PRIOR TO WORK COMMENCEMENT.
- DEDICATED DUPLEX RECEPTACLE FOR WALLFLOWER DISPLAY PANEL. CIRCUIT SHALL NOT BE USED FOR ANY OTHER EQUIPMENT. REFER TO SHEET E03.01 FOR ADDITIONAL INFORMATION.
- PROVIDE A DEDICATED DUPLEX RECEPTACLE ABOVE COUNTER AT 40" AFF FOR TABLE CHARGING STATION.
- COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
- LIGHTSTAT TRACKMISER CURRENT LIMITING PANEL WITH SMALL ENCLOSURE TO BE INSTALLED BY ELECTRICAL CONTRACTOR. VERIFY EXACT LOCATION WITH LS04C PRIOR TO WORK COMMENCEMENT. REFER TO SHEET E05.01 FOR MORE INFORMATION.
- PROVIDE JUNCTION BOX, TOGGLE DISCONNECT SWITCH IN NON-VISIBLE, ACCESSIBLE LOCATION, AND FINAL CONNECTION FOR SIGN.

"VERIFY ALL FIELD CONDITIONS PRIOR TO BID"



- 1 CIRCUIT SALES EXIT, EMERGENCY (EM) AND NIGHTTIME SECURITY LIGHTS (NL) TO CIRCUIT A-1.
- 2 BREAK-OFF CIRCUIT.
- 3 FURNISH AND INSTALL JUNCTION BOX, TOGGLE DISCONNECT SWITCH IN NON-VISIBLE LOCATION, AND FINAL CONNECTION FOR 120 VOLT SIGN. SIGN IS FURNISHED WITH INTERNAL GROUND FAULT PROTECTION BY SIGN MANUFACTURER PER I.E.C. ARTICLE 600-238. VERIFY EXACT LOCATION OF JUNCTION BOX WITH SIGN MANUFACTURER. (REUSE EXISTING JUNCTION BOX AND CONDUIT INTO SPACE IF ALREADY INSTALLED. VERIFY IN FIELD EXACT LOCATION ON CANOPY). FOR CANOPY POWER SEE SHEET A05.01 FOR WALL PENETRATION IN ROUTING CONDUIT. NOTE: THE CIRCUIT FOR SIGNAGE MUST BE A DEDICATED ISOLATED 3-LINE CIRCUIT CONSISTING OF HOT, NEUTRAL, AND GROUND WIRES LEADING DIRECTLY TO THE PANEL.
- 4 PROVIDE JUNCTION BOX MOUNTED ON INTERIOR OF STORE, ACCESSIBLE ABOVE CEILING, FOR EXTERIOR BLADE SIGN.
- 5 CIRCUIT SHALL BE CONTROLLED BY SMART BREAKER PANEL. PANEL PROVIDED SCHEDULED ON AND OFF FOR THE STOREFRONT SIGNAGE AND SHOW WINDOW LIGHTING. ALL OTHER LIGHTING ZONES REQUIRE A MANUAL ON INPUT TO INITIATE THE LIGHTS FOR THE DAY, AND HAVE SCHEDULED SHUTOFF. 2-HOUR OVERRIDE SWITCHES SHALL BE UTILIZED TO TEMPORARILY BYPASS THE SYSTEM'S SCHEDULE AND PROVIDE LIGHTING IN THE SPACE.
- 6 FURNISH AND INSTALL SWITCHING RELAY AND OCCUPANCY SENSOR TO ALLOW THE GENERAL LIGHTING TO BE CONTROLLED BY AN OCCUPANCY SENSOR DURING NORMALLY UNOCCUPIED HOURS, AND BY THE NORMALLY SCHEDULED OPERATION DURING OCCUPIED HOURS. REFER TO THE "SALES AFTER HOURS LIGHTING CONTROL WIRING SCHEMATIC" DETAIL "G" ON THIS SHEET FOR ADDITIONAL INFORMATION.
- 7 CIRCUIT NON-SALES EXIT, EMERGENCY (EM) AND NIGHTTIME SECURITY LIGHTS (NL) TO CIRCUIT A-2.
- 8 FURNISH & INSTALL OCCUPANCY MOTION SENSOR SWITCH FOR CONTROL OF LIGHTS AS SHOWN. MOUNT SO THAT BOTTOM OF SWITCH SITS AT 42" AFF. SENSOR SHALL AUTOMATICALLY TURN LIGHTS ON UPON DETECTING AN OCCUPANT. SENSOR SHALL AUTOMATICALLY SHUT OFF LIGHTING WITHIN 15 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE.
- 9 FURNISH & INSTALL ROOM CONTROLLER FOR CONTROL OF LIGHTS AS SHOWN. MOUNT SO THAT CONTROLLER IS TIGHT TO DECK. INSTALL COMPLETE SYSTEM PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. COORDINATE EXACT LOCATION OF EQUIPMENT WITH BBW PROJECT MANAGER IN FIELD. REFER TO THE "BACK OF HOUSE ROOM CONTROLLER WIRING SCHEMATIC" DETAIL "L" ON THIS SHEET FOR ADDITIONAL INFORMATION.
- 10 FURNISH & INSTALL LOW VOLTAGE WALL SWITCH FOR MANUAL CONTROL OF LIGHTS AS SHOWN. MOUNT SO THAT BOTTOM OF SWITCH SITS AT 42" AFF. SENSOR SHALL AUTOMATICALLY TURN LIGHTS ON UPON DETECTING AN OCCUPANT. SENSOR SHALL AUTOMATICALLY SHUT OFF LIGHTING WITHIN 15 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE.

ELECTRICAL LIGHTING PLAN KEYNOTES

NTS
42N-E0301-M00-NOTE
04/03/20

- NOTE:**
REFER TO SHEET E04.03 FOR LIGHT FIXTURE SCHEDULE.
- NOTE:**
REFER TO SHEET E05.01 FOR PANEL SCHEDULE AND LIGHTING ZONE DESIGNATIONS.
- NOTE:**
LENGTH OF FLEXIBLE METAL CONDUIT, MC TYPE CABLE, OR AC90(CANADA) MAY EXCEED 6'-0" IF ALLOWED BY LANDLORD. REFER TO SPECIFICATIONS.
- NOTE:**
ELECTRICAL CONTRACTOR SHALL REFER TO ARCHITECTURAL SHEETS FOR MOUNTING HEIGHTS AND INSTALLATION DETAILS FOR SUSPENDED LIGHTING IN NON-SALES AREA.
- NOTE:**
GENERAL CONTRACTOR SHALL VERIFY CEILING FIRE RATING WITH ARCHITECT, AND BOX OR TENT ALL RECESSED LIGHT FIXTURES, IF REQUIRED, TO MAINTAIN CEILING FIRE RATING.
- NOTE:**
SWITCHES AND COVERPLATES IN "TOILET ROOMS" SHALL MATCH WALL FINISH COLOR. TYPICAL COLORS ARE WHITE FOR A "BOW TOILET ROOM", AND BLACK FOR A "W/C TOILET ROOM". REFER TO ARCHITECTURAL SHEETS A05.3 AND A05.1 FOR FINISHES.
- NOTE:**
CIRCUIT NON-SALES EXIT SIGNS AND EMERGENCY BATTERY BACKUP BALLAST TO LOCAL CIRCUIT AHEAD OF ALL SWITCHING.
- NOTE:**
"NL" DENOTES NIGHTTIME SECURITY LIGHTS.

ASHRAE 90.1-2016 FUNCTIONAL TESTING:

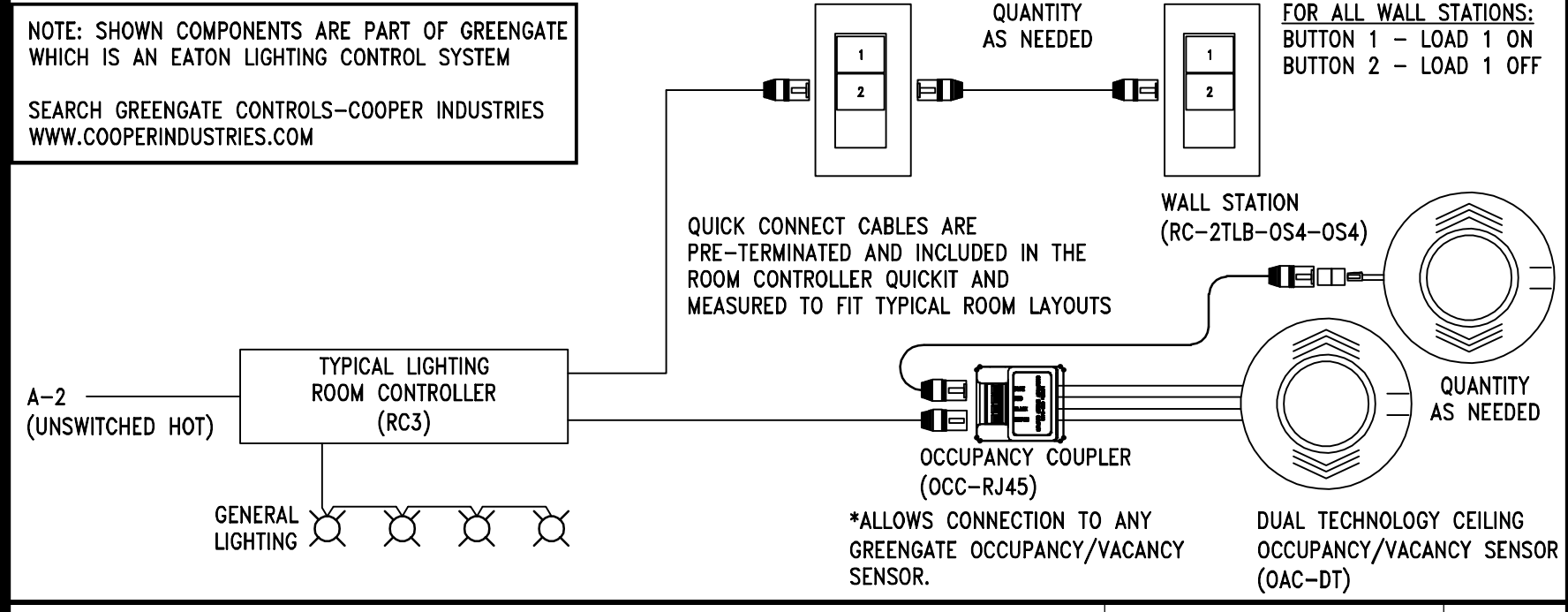
PER ASHRAE 90.1-2016 SECTION 9.4.3, IT IS THE CONTRACTOR'S RESPONSIBILITY TO HIRE A 3RD PARTY TESTING AGENT TO CONDUCT AND CERTIFY FUNCTIONAL TESTING OF THE LIGHTING CONTROLS IN ACCORDANCE WITH ASHRAE 90.1-2016 ARTICLE 9.4.3. THIS TESTING AGENT IS TO REVIEW THE COMPLETE M.E.P. DESIGN DOCUMENTS, CODE INTERPRETATIONS AND DESIGN ASPECTS PRIOR TO CONSTRUCTION AND CONTACT THE ENGINEER OF RECORD WITH ANY QUESTIONS OR COMMENTS REGARDING THE DESIGN SET.

THE INDIVIDUAL(S) RESPONSIBLE FOR THE FUNCTIONAL TESTING SHALL NOT BE DIRECTLY INVOLVED IN EITHER THE DESIGN OR CONSTRUCTION OF THE PROJECT AND SHALL PROVIDE DOCUMENTATION CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET OR EXCEED ALL DOCUMENTED PERFORMANCE CRITERIA. INCLUDE ALL COSTS OF THIS AGENT IN BID.

1. LIGHTING SHALL BE CIRCUITED EXACTLY AS SHOWN ON PLANS. CIRCUITING SHALL BE "THRU-WIRING" WHERE AND WHENEVER POSSIBLE. MULTIPLE CONNECTIONS TO A SINGLE LIGHT FIXTURE FOR VOLTAGE DROP CONDITIONS OR AS A RESULT OF A FIELD CONDITION ARE ACCEPTABLE. LIGHT FIXTURES SHALL BE MANUFACTURED TO ACCOMMODATE "THRU-WIRING". ANY RELATED COSTS FOR MULTIPLE CONNECTIONS SHOULD BE INCLUDED IN BID.
2. ELECTRICAL CONTRACTOR'S BID SHALL INCLUDE THE INSTALLATION OF ALL LIGHT FIXTURES AND ASSOCIATED LAMPS FURNISHED BY BBW. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ENSURING THE ADJUSTABILITY OF ALL DIRECTIONAL FIXTURES AFTER INSTALLATION AND AIM THEM PER GC DIRECTION. LIGHT FIXTURE SPECIFICATIONS MAY VARY. IF THIS IS THE CASE, CONTRACTOR IS TO CALL BBW PURCHASING AGENT WHO WILL THEN CALL THE DISTRIBUTOR FOR EXACT SPECIFICATION OF LIGHTING FIXTURES. IF THE CEILING SYSTEMS ARE FIRE RATED, ELECTRICAL CONTRACTOR IS TO CLOSELY COORDINATE FIXTURE REQUIREMENTS WITH BBW.
3. EMERGENCY AND EXIT LIGHTS SHALL BE INSTALLED AND CIRCUITED PER LOCAL AND LATEST NATIONAL ELECTRICAL CODES. ALL EMERGENCY AND EXIT FIXTURES SHALL BE DUAL VOLTAGE WITH BATTERY BACK UP (120/277 VOLT INPUT). INSTALL A CENTRAL BATTERY SYSTEM WHERE THE USE OF INDIVIDUAL BATTERY UNITS ARE PROHIBITED BY LOCAL CODES. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT BBW PROJECT MANAGER FOR DIRECTION.
4. ALL LIGHTING CIRCUITS UP TO 100'-0" IN LENGTH SHALL UTILIZE #12 CONDUCTORS MINIMUM. ALL LIGHTING CIRCUITS FROM 100'-1" TO 150'-0" IN LENGTH SHALL UTILIZE #10 CONDUCTORS MINIMUM. ALL LIGHTING CIRCUITS 150'-01" UP TO 250'-0" IN LENGTH SHALL UTILIZE #8 CONDUCTORS MINIMUM. CIRCUITS ABOVE 251'-0" SHALL UTILIZE #6 CONDUCTORS MINIMUM.
5. ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS AS REQUIRED FOR A FULLY COMPLETE AND OPERABLE SYSTEM.
6. EXIT/EMERGENCY LIGHTS AT STOREFRONT ARE TO BE CEILING MOUNTED AND CENTERED OVER OPENING. EXIT/EMERGENCY LIGHTS AT DOOR TO NON-SALES SHALL BE CEILING MOUNTED AND CENTERED ABOVE DOOR. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT BBW PROJECT MANAGER FOR DIRECTION.
7. IT WILL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO UNLOAD INVENTORY AND STORE LIGHTING PACKAGE. THE ELECTRICAL CONTRACTOR WILL ALSO SHIP ANY EXCESS MATERIALS BACK TO THE ELECTRICAL PACKAGE DISTRIBUTOR.
8. ELECTRICAL CONTRACTOR SHALL REFER BACK TO ARCHITECTURAL SHEETS FOR MOUNTING HEIGHTS OF ALL WALL MOUNTED EMERGENCY EGRESS AND EXIT FIXTURES. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT BBW PROJECT MANAGER FOR DIRECTION.
9. REFER TO ARCHITECTURAL DRAWINGS FOR COORDINATION AND EXACT LOCATION OF EXIT SIGNS, EMERGENCY LIGHTING FIXTURES, SPEAKERS, DIFFUSERS, AND OTHER ARCHITECTURAL ELEMENTS.
10. THE ELECTRICAL CONTRACTOR MUST INCLUDE IN THE BID TWO (2) HOURS OF START-UP TIME FOR THE LIGHTING CONTROL SYSTEM. THE ELECTRICAL CONTRACTOR WILL BE REQUIRED TO REPAIR OR REPLACE COMPONENTS FOUND TO BE DEFECTIVE. THE ELECTRICAL CONTRACTOR MUST COORDINATE LIGHTING CONTROL START-UP WITH BAS SUPPLIER REPRESENTATIVE. FAILURE TO DO SO MAY REQUIRE THE ELECTRICAL CONTRACTOR TO RETURN TO THE JOB SITE TO PERFORM START-UP AT A FUTURE DATE AT THE ELECTRICAL CONTRACTOR'S OWN EXPENSE.
11. ALL APPURTENANCES PROVIDED WITH LIGHT FIXTURES, OR TRACK, ETC. POLARITY REVERSING ENDS, SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.

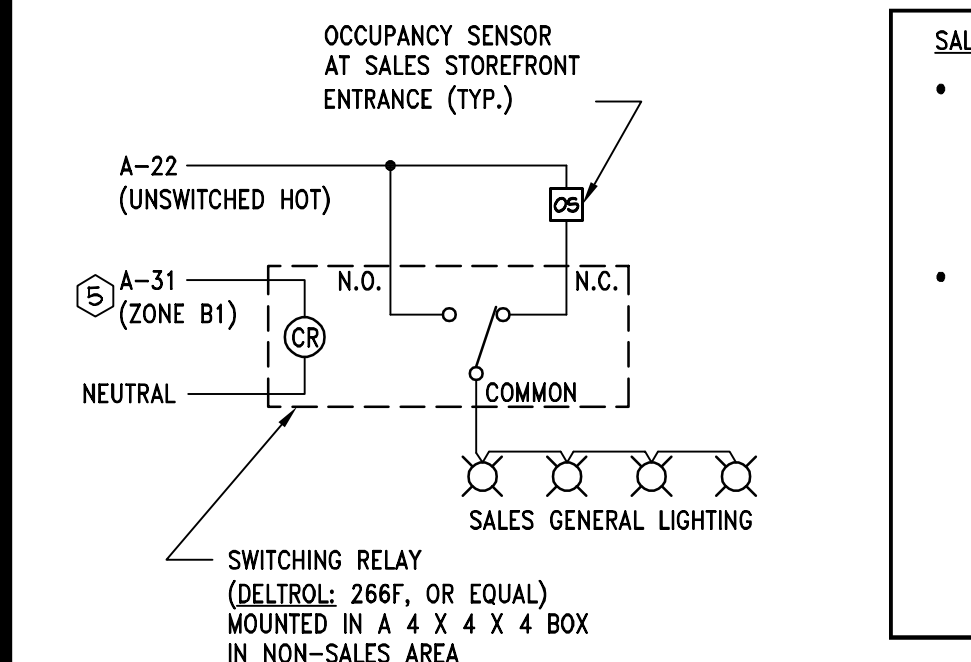
LIGHTING PLAN CONSTRUCTION NOTES

NTS
42N-E0301-M00-NOTE
02/15/21



BACK OF HOUSE ROOM CONTROLLER WIRING SCHEMATIC

NTS
42N-E0301-M00-NOTE
04/03/20

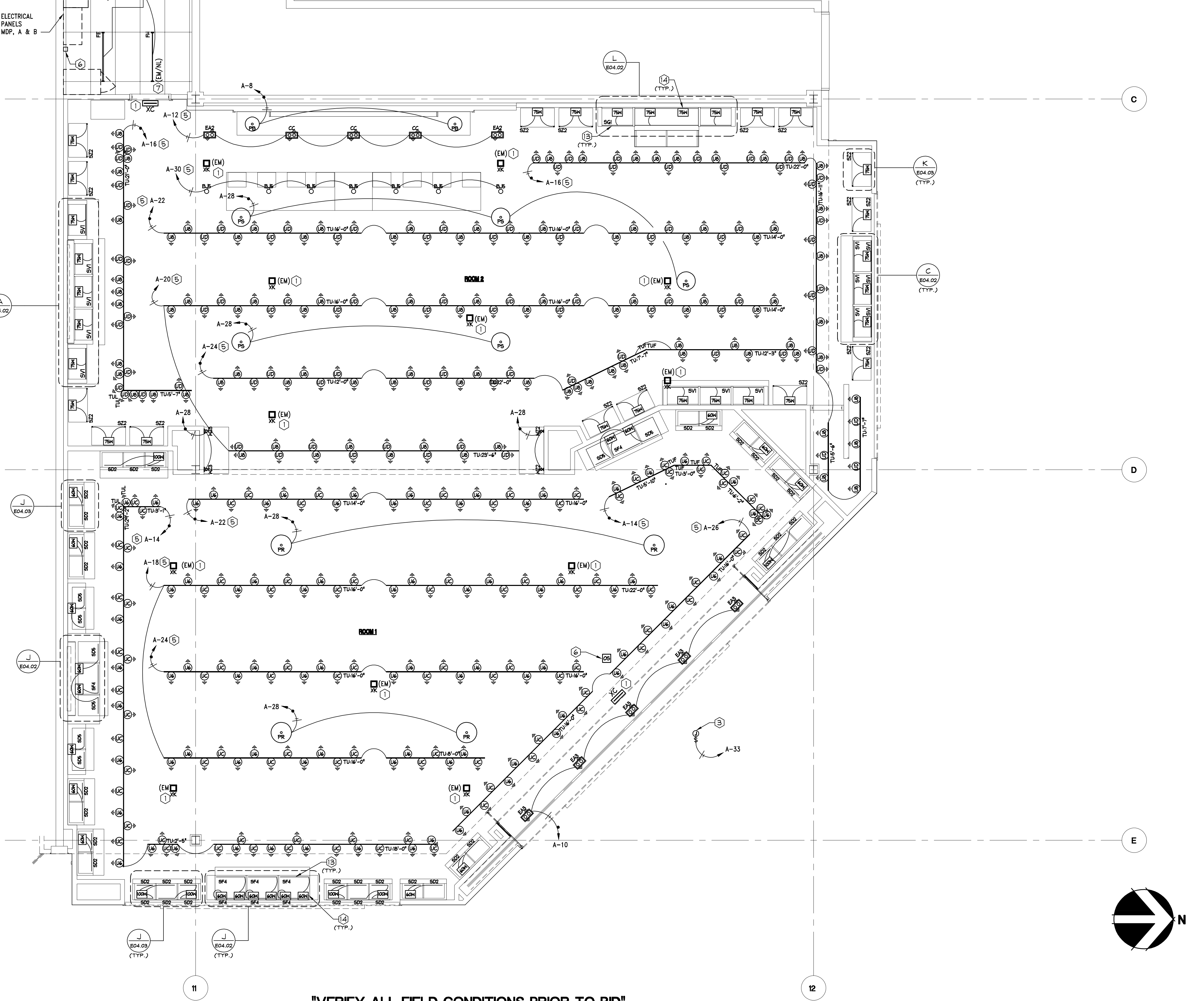


SALES SEQUENCE OF OPERATION:

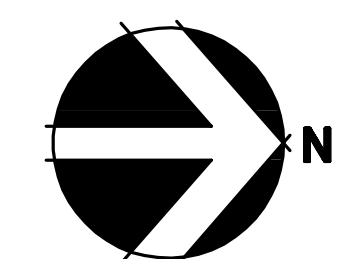
- FOR STORE OPENING, "MANUAL-ON" / ZONE B1 OVERRIDE SWITCH MOUNTED ON THE IFS IS USED TO TURN ON THE ZONE "B1" GENERAL LIGHTS. THE SWITCH ALSO INITIATES THE SEQUENCE FOR ALL OTHER SALES AREA LIGHTS TO TURN ON. AT THE END OF THE DAY THE LIGHTING TIMER WILL AUTOMATICALLY SHUT OFF ALL LIGHTS.
- AFTER HOURS OPERATION: EACH LIGHTING ZONE INCLUDES A 2-HOUR OVERRIDE SWITCH MOUNTED ON THE IFS EQUIPMENT WHICH IS USED TO TURN ON ANY REQUIRED LIGHTING ZONE AFTER HOURS.

SALES AFTER HOURS LIGHTING CONTROL WIRING SCHEMATIC

NTS
42N-E0301-M00-NOTE
04/03/20



"VERIFY ALL FIELD CONDITIONS PRIOR TO BID"



1/4" = 1'-0"
A

TBA
Thorson • Baker + Associates
CONSULTING ENGINEERS
3030 West Stevedore Road
Richfield, Ohio 44286
(330) 659-6688 PH
(330) 659-6675 FAX

Bath & Body Works
Three Limited Parkway Columbus, Ohio 43230
Telephone: 614.415.7000 Fax: 614.415.7349

PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE 100-235
3500 S. MERRILLAN STREET
POTLADUP, WA 98373

REVISIONS:

REQUIRED BY: _____ DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____

DATE ISSUED: 11/04/2022
DESIGNED BY: RDW
DRAWN BY: TBA
CHECKED BY: JH

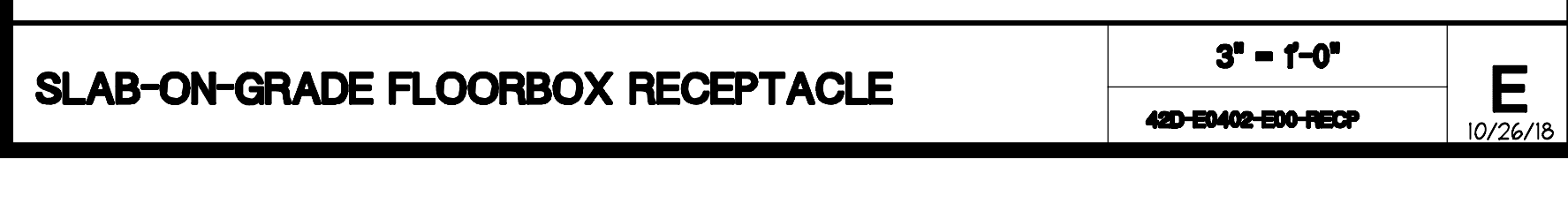
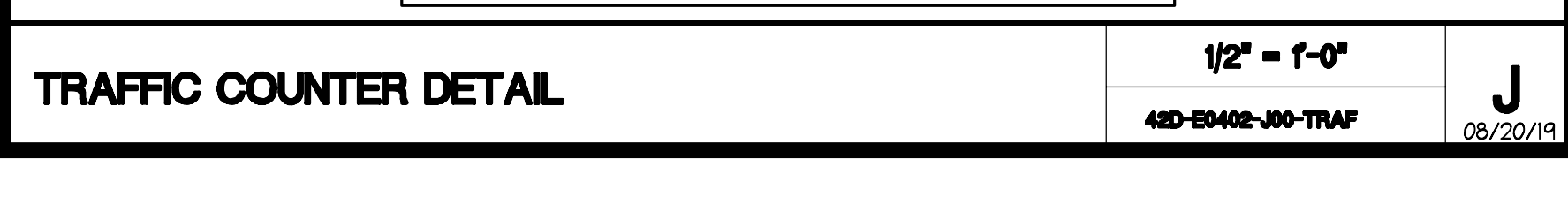
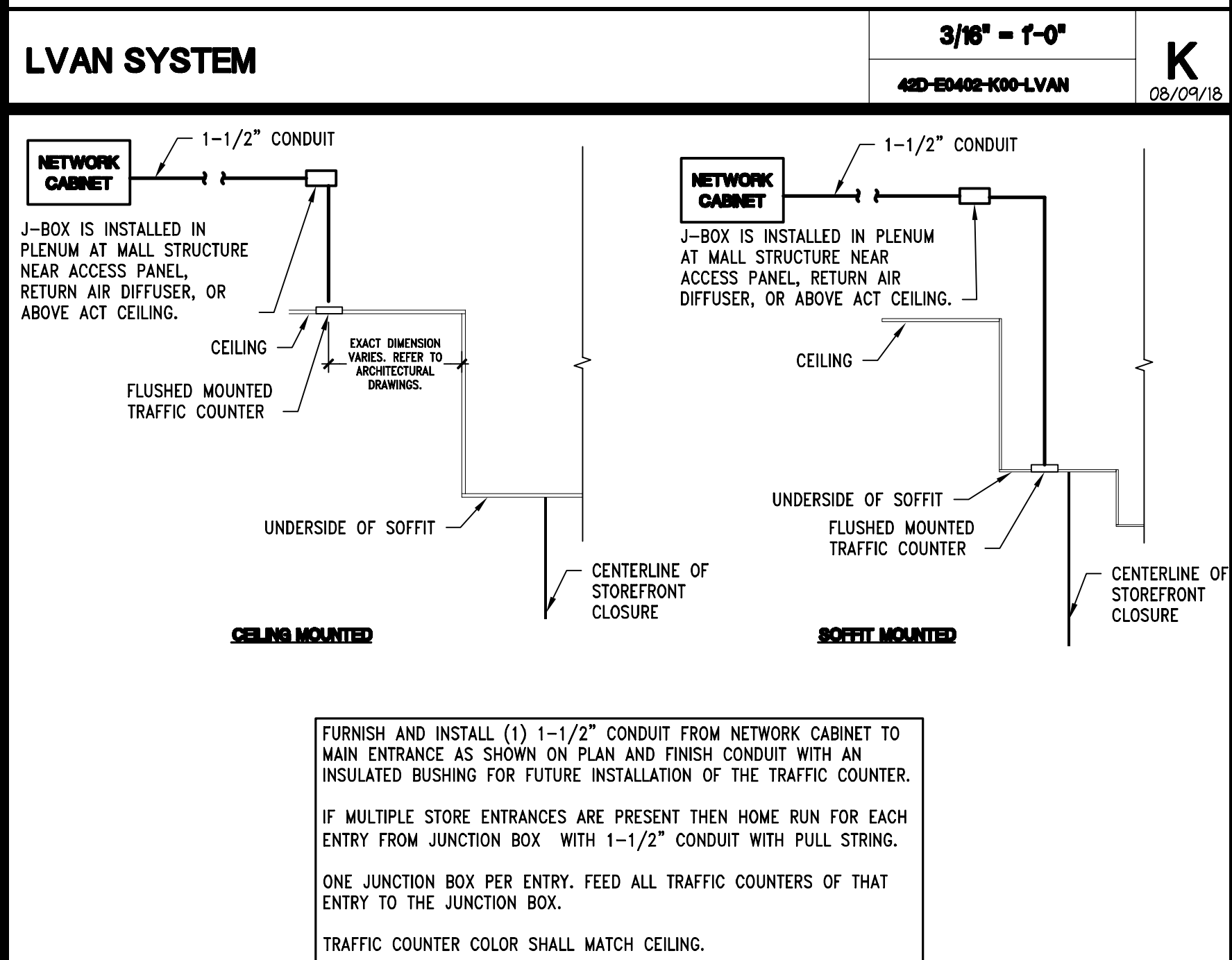
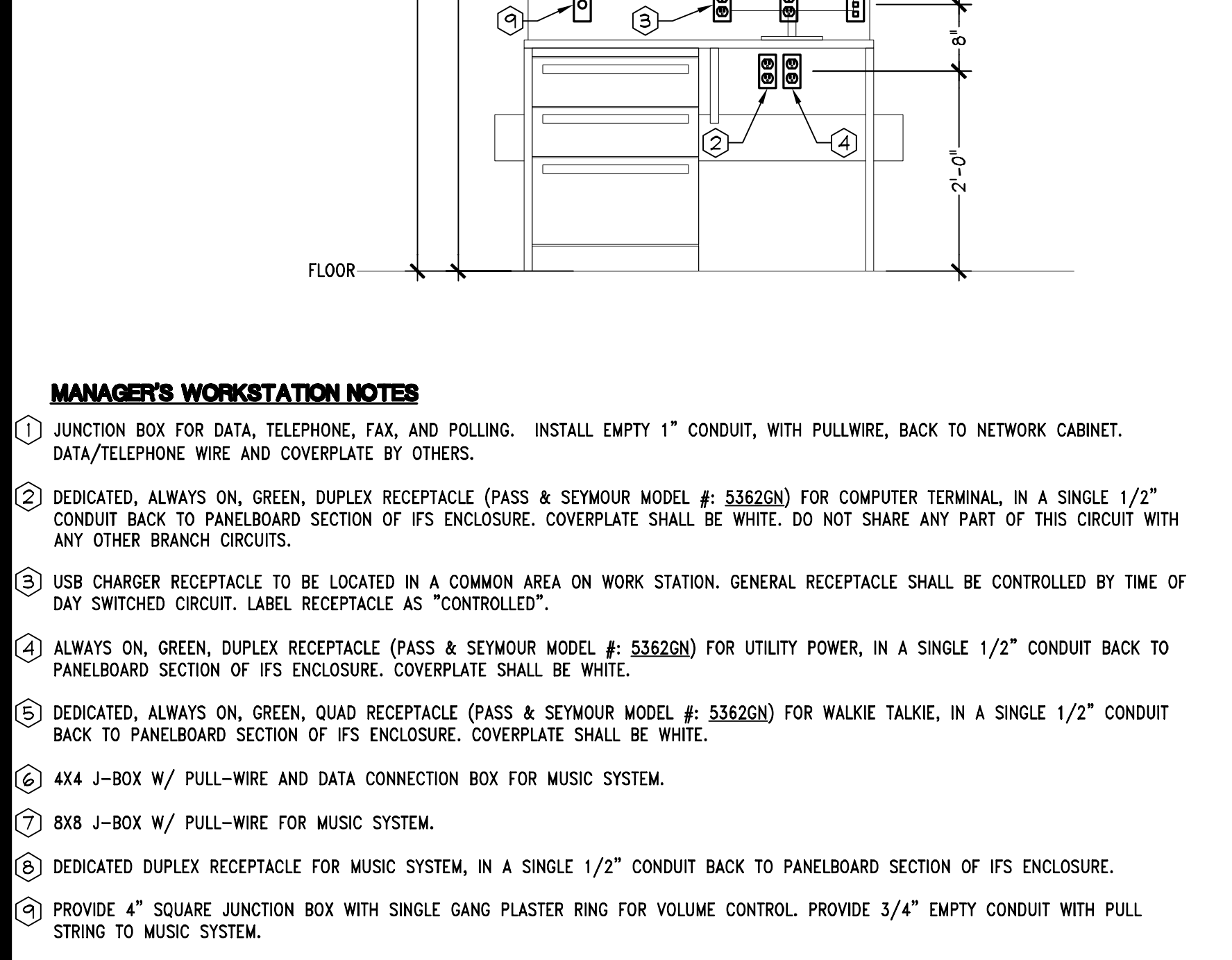
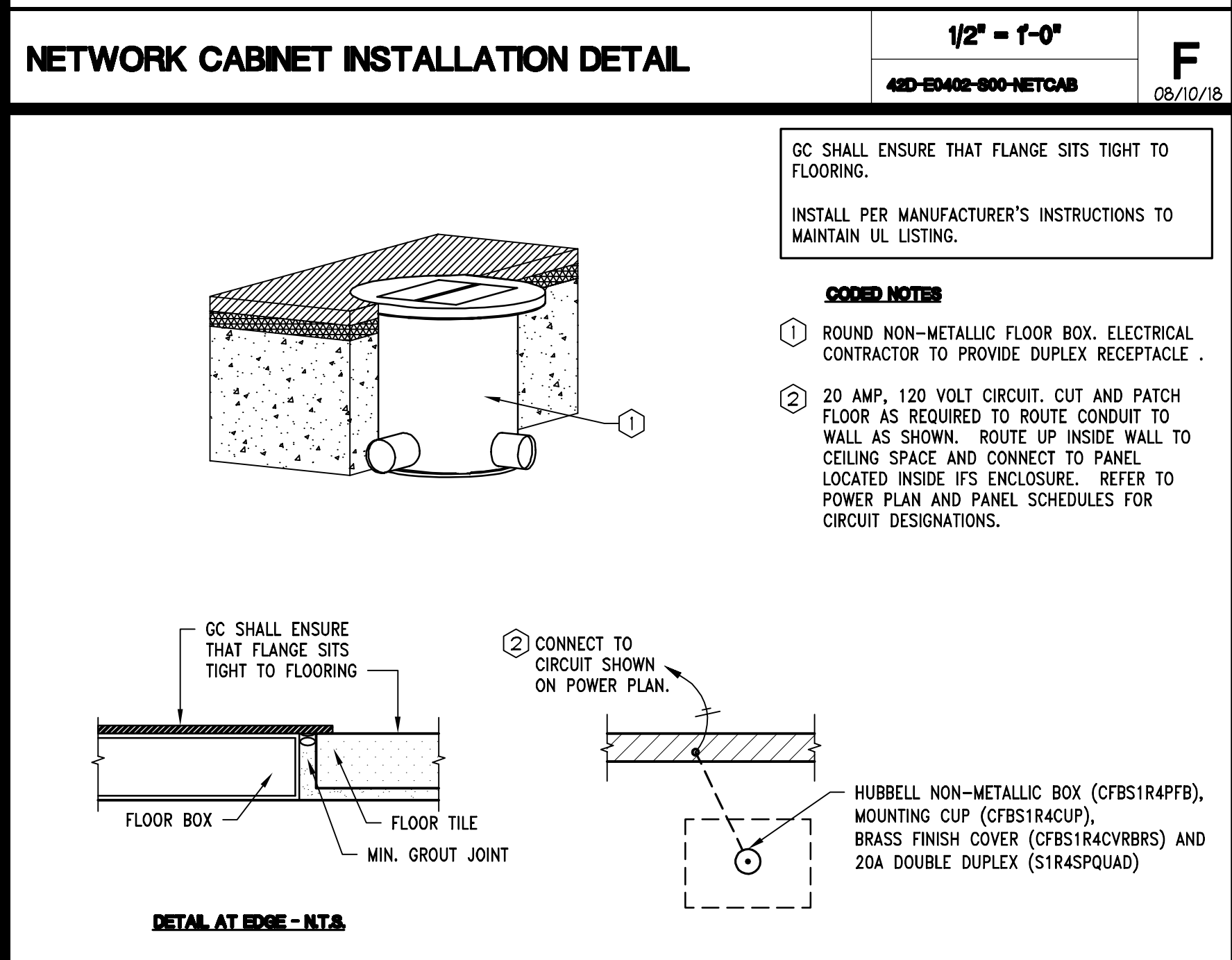
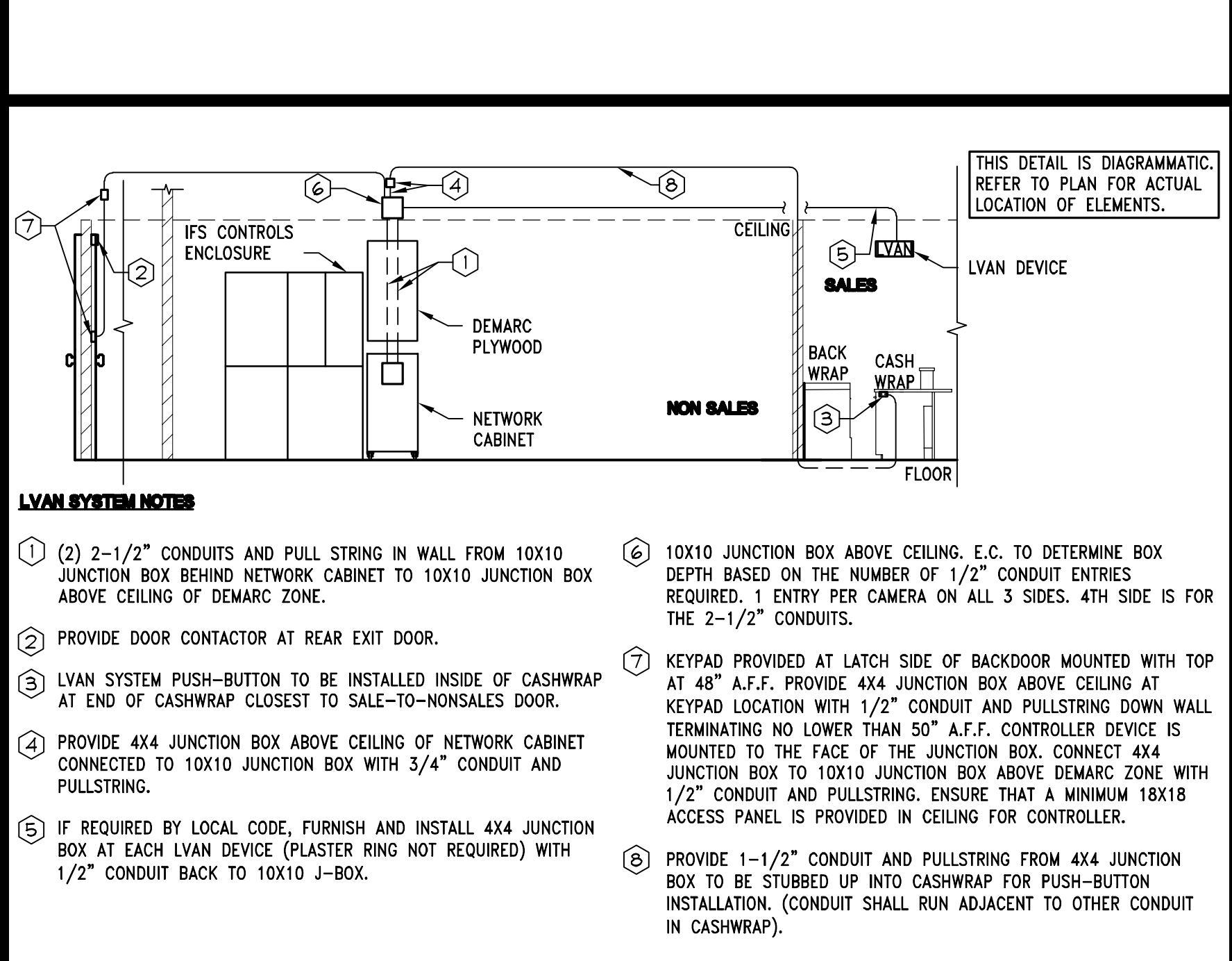
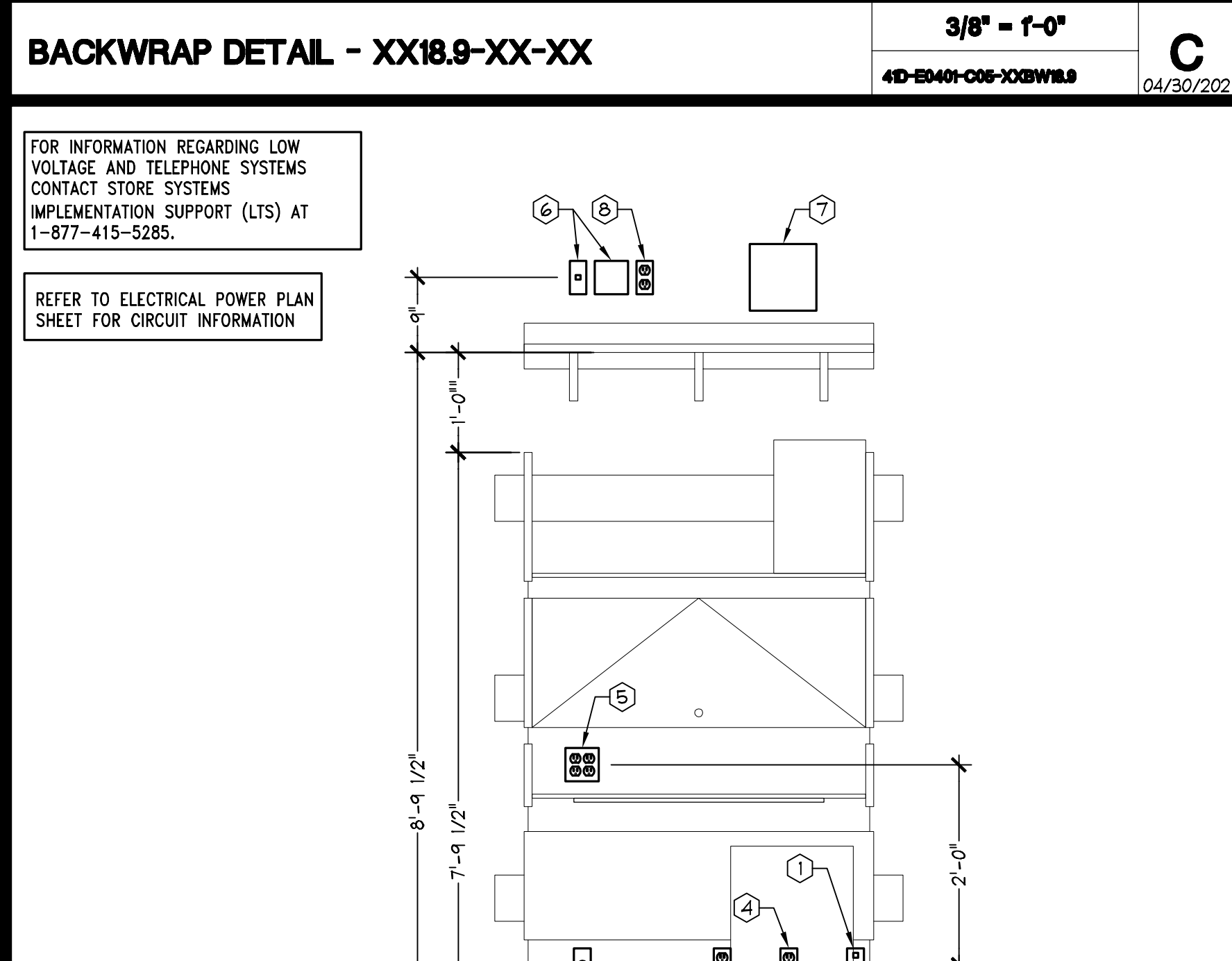
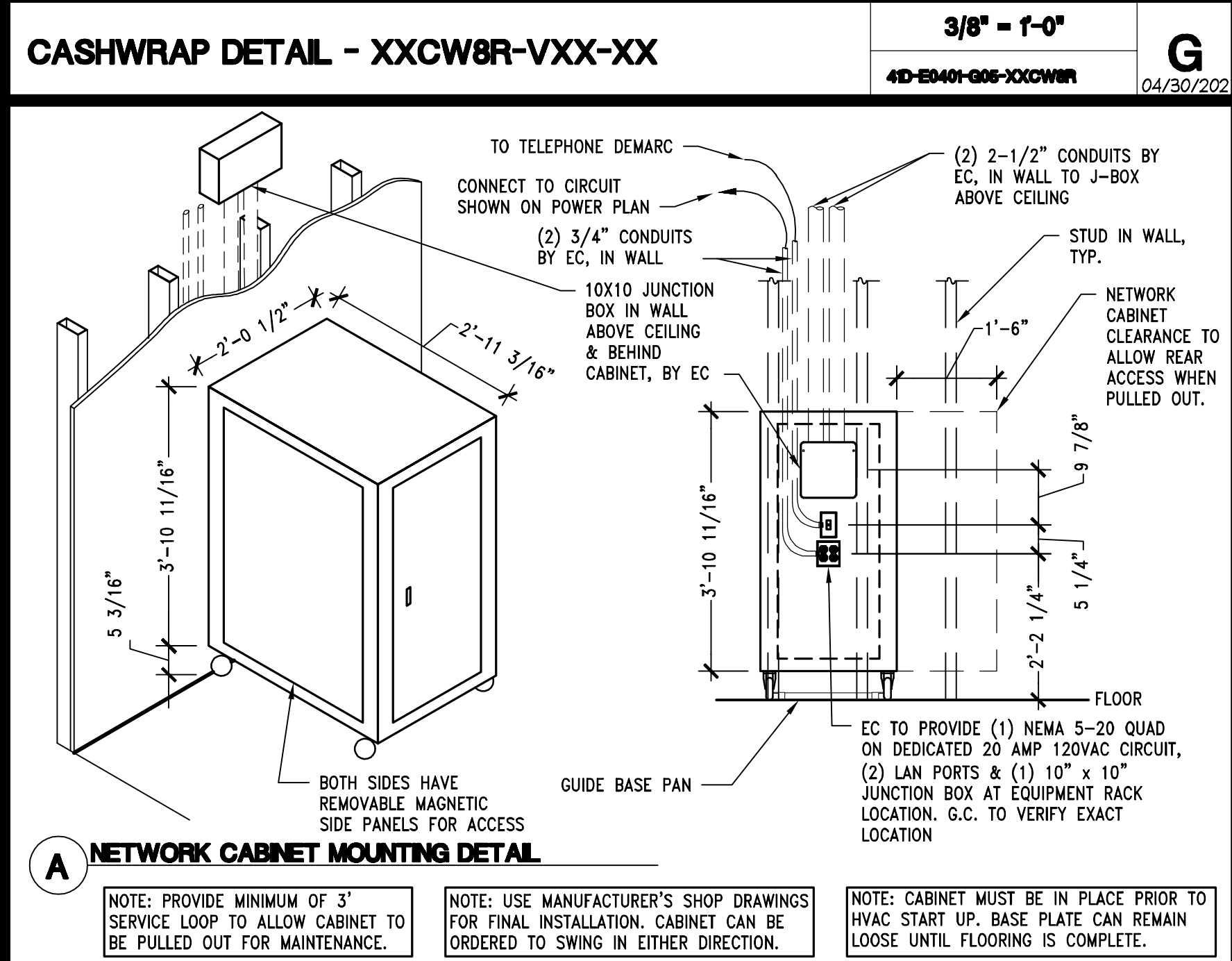
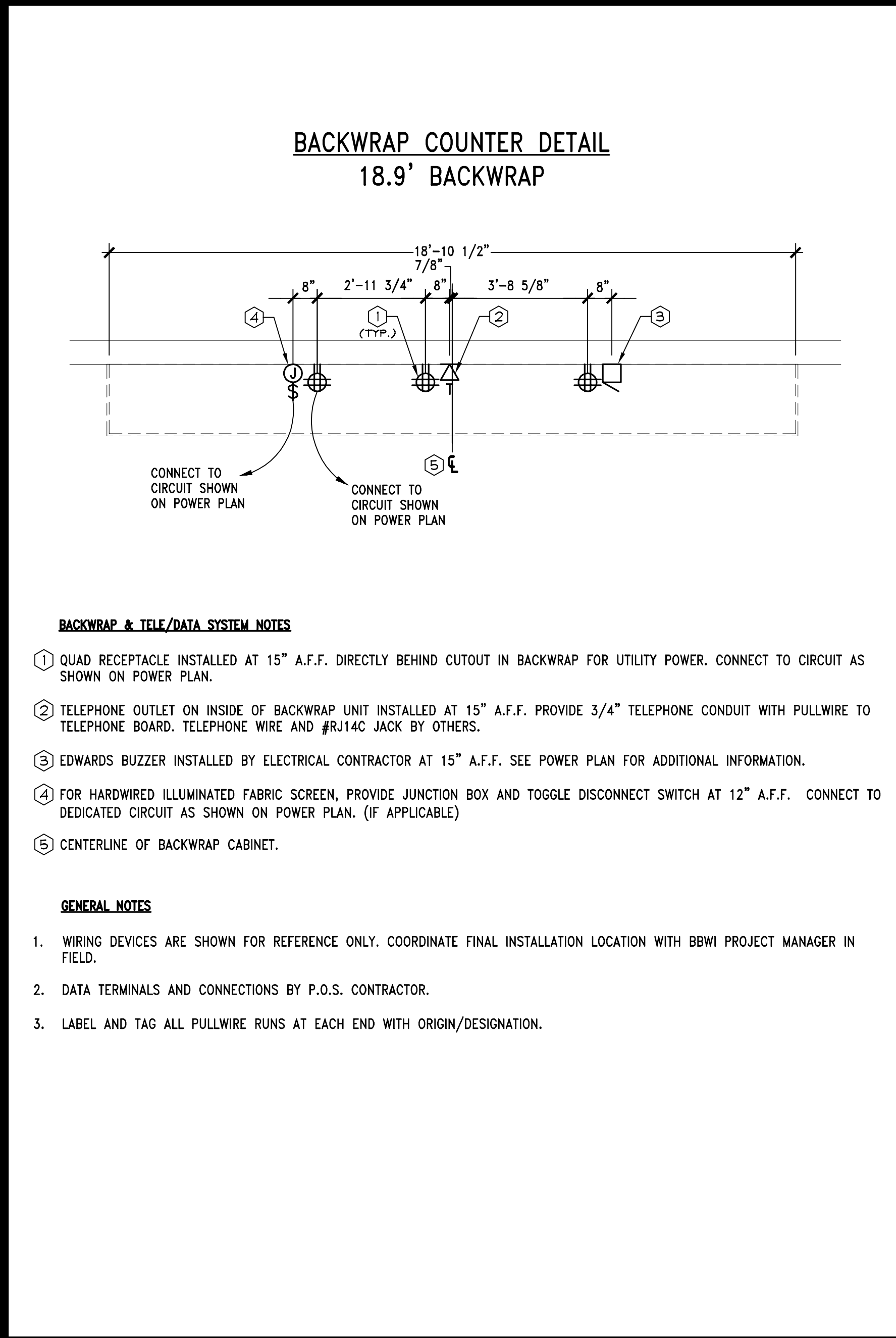
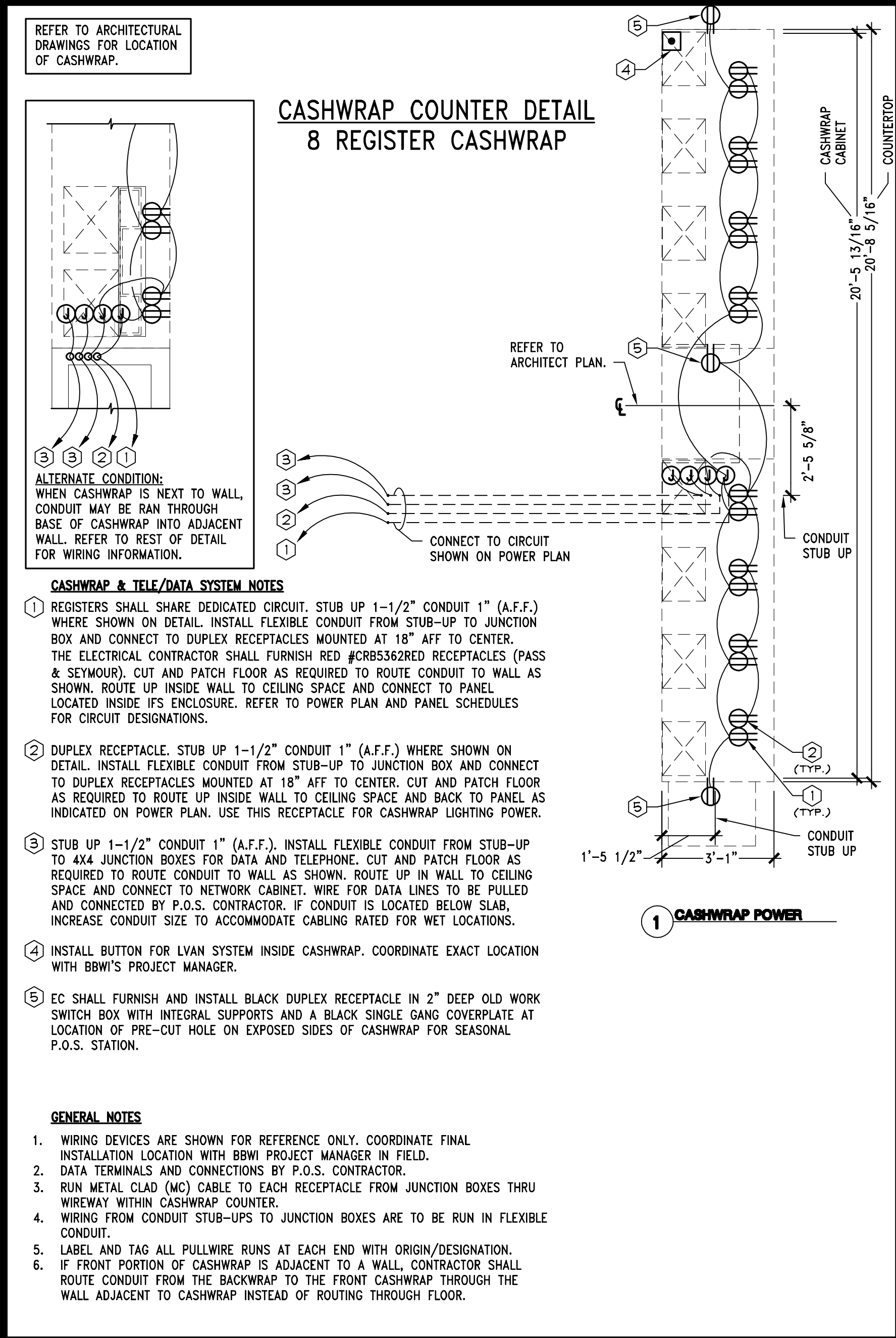
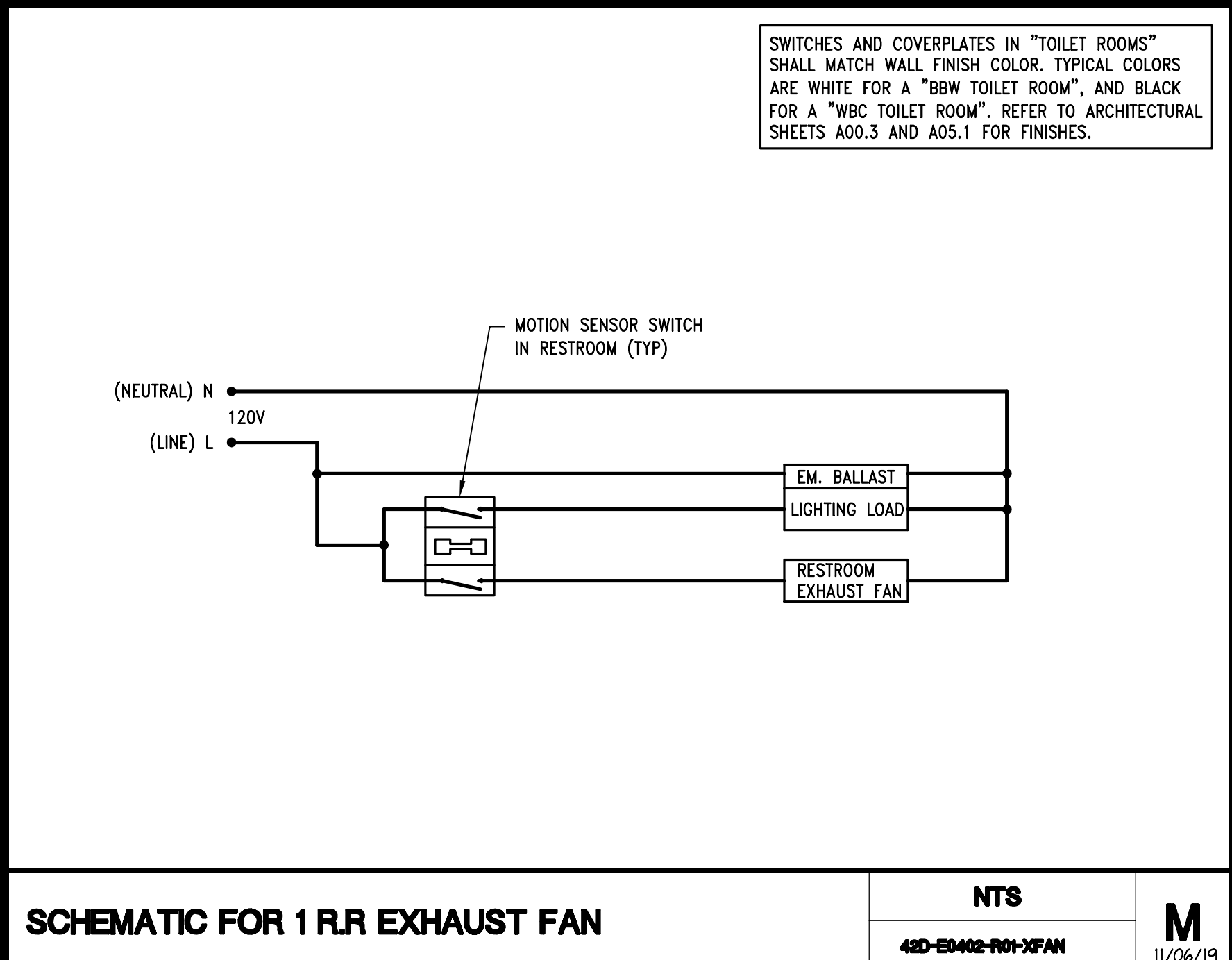
ELECTRICAL LIGHTING PLAN

DRAWING NUMBER:
E03.01

THESE DRAWINGS AND SPECIFICATIONS ARE PREPARED FOR USE ON A SPECIFIC SITE. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AND UTILITIES AT THE PROJECT SITE AT ALL TIMES. THE USER OF THESE DRAWINGS AND SPECIFICATIONS, OR ANY OTHER PARTY, SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS IN WRITING FROM ALL APPLICABLE AGENCIES, INCLUDING BUT NOT LIMITED TO THE CITY OF COLUMBUS, OHIO, AND THE STATE OF OHIO. THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF TBA AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF TBA. ANY UNAUTHORIZED REPRODUCTION OR USE OF THESE DRAWINGS AND SPECIFICATIONS SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO TBA. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS IN WRITING FROM ALL APPLICABLE AGENCIES, INCLUDING BUT NOT LIMITED TO THE CITY OF COLUMBUS, OHIO, AND THE STATE OF OHIO. THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF TBA AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF TBA. ANY UNAUTHORIZED REPRODUCTION OR USE OF THESE DRAWINGS AND SPECIFICATIONS SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO TBA. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS IN WRITING FROM ALL APPLICABLE AGENCIES, INCLUDING BUT NOT LIMITED TO THE CITY OF COLUMBUS, OHIO, AND THE STATE OF OHIO.

CONTRACT NUMBER: 104.01.0737.01
PACKAGE: FULL REMODEL
GENERATION: 2315G.00
A/E PROJECT #: 00116082

SIS PKG 2
2022.1012.0



TBA
Thorson • Baker + Associates
CONSULTING ENGINEERS
3030 West Streetsboro Road (330) 659-6688 PH
Richfield, Ohio 44286 (330) 659-6675 FAX

Bath & Body Works
Three Limited Parkway Columbus, Ohio 43230
Telephone: 614.415.7000 Fax: 614.415.7349

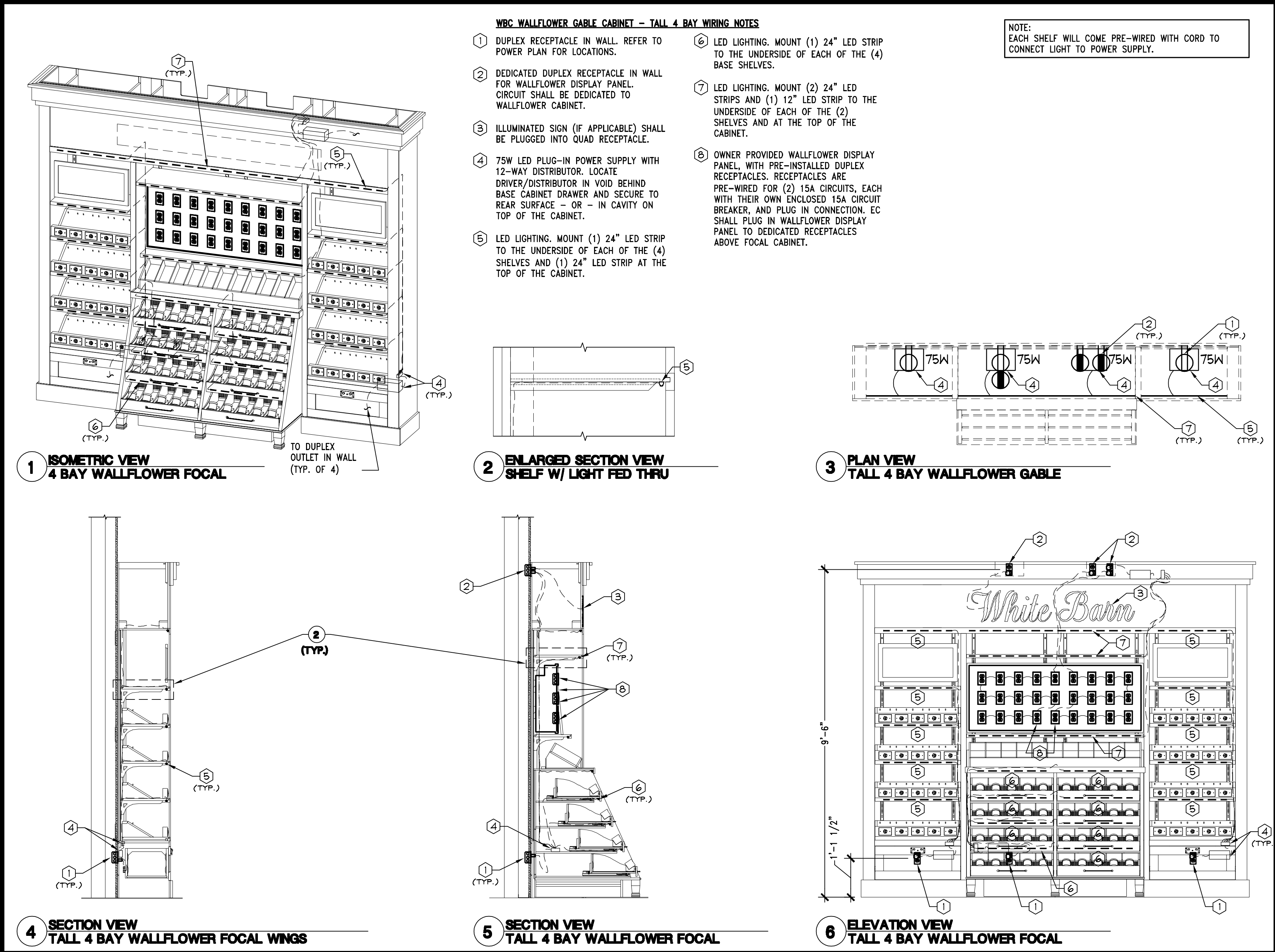
PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERVIN STREET
POTTSVILLE, PA 19873

REVISIONS:
REQUIRED BY: _____ DATE: _____
DRAWN BY: _____
CHECKED BY: _____

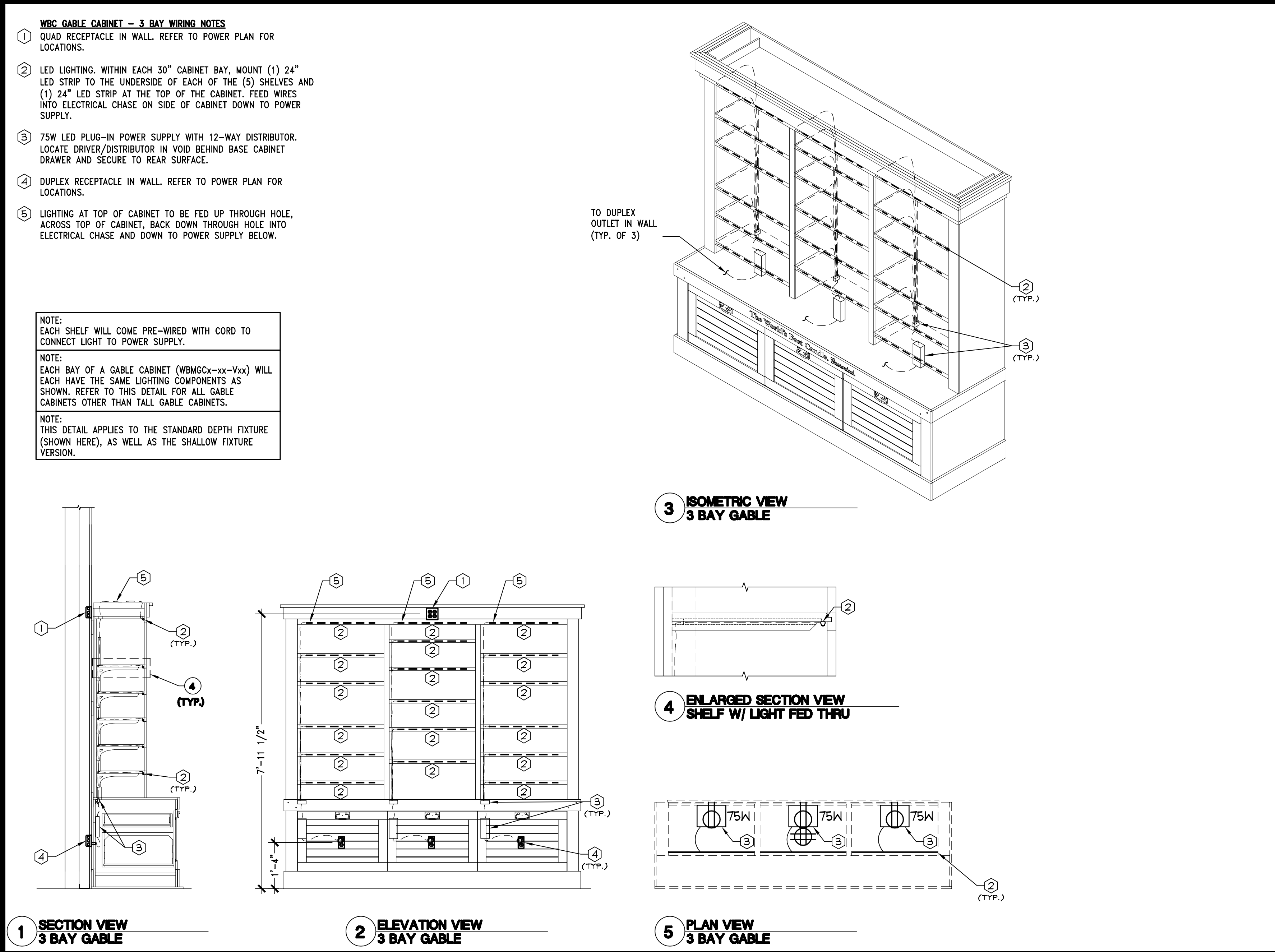
DATE ISSUED: 11/04/2022
DESIGNED BY: RDW
DRAWN BY: TBA
CHECKED BY: JH

SCOPE: DESIGN TYPE: BBW PROJECT #:
FULL REMODEL PACKAGE: 00116082 I/A/E PROJECT #:
BBW ES/WBC 2021 GENERATION: 2315G.00
SIS, PKG 2 2022.1012.0

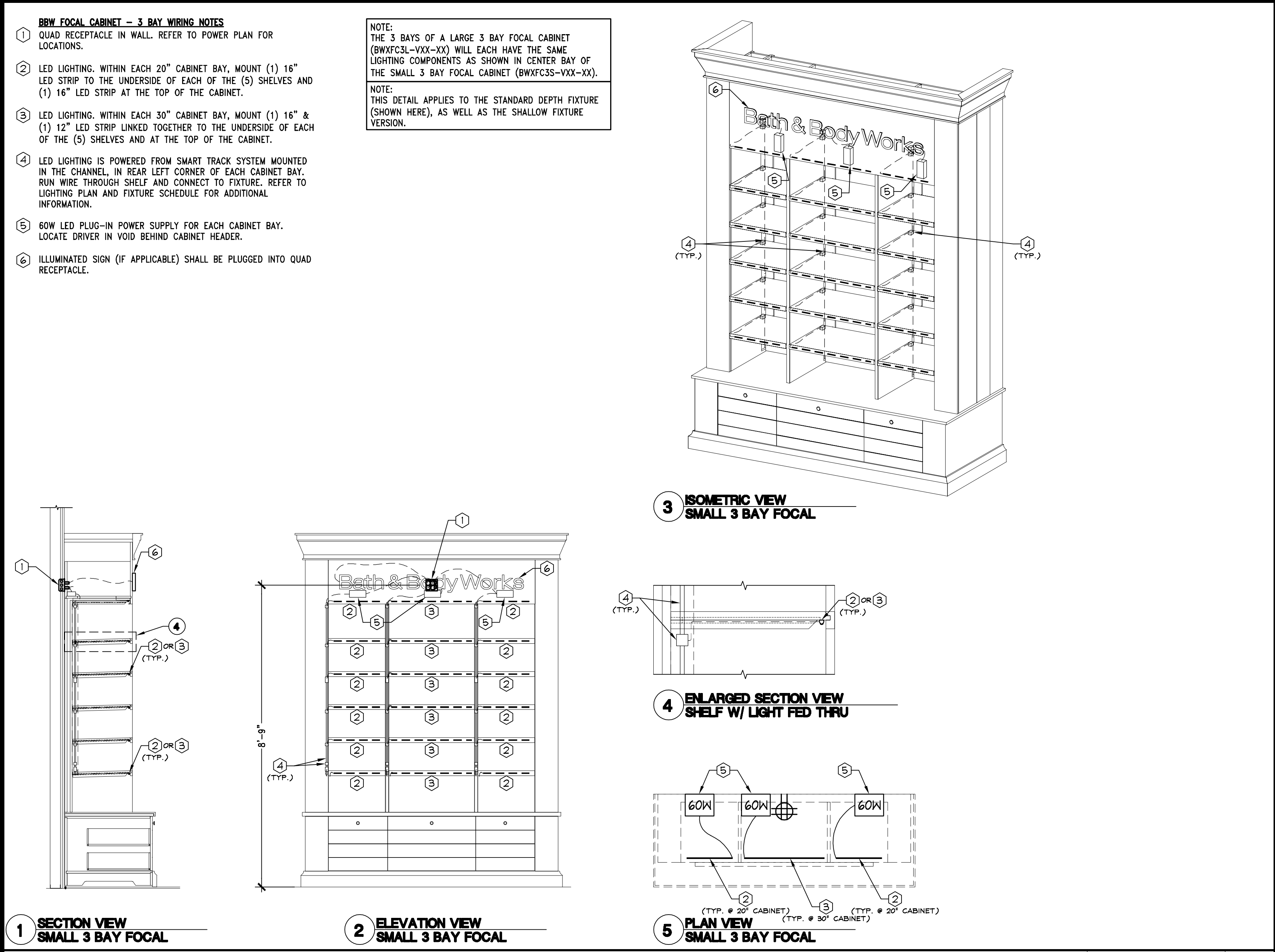
ELECTRICAL DETAILS
DRAWING NUMBER: E04.01



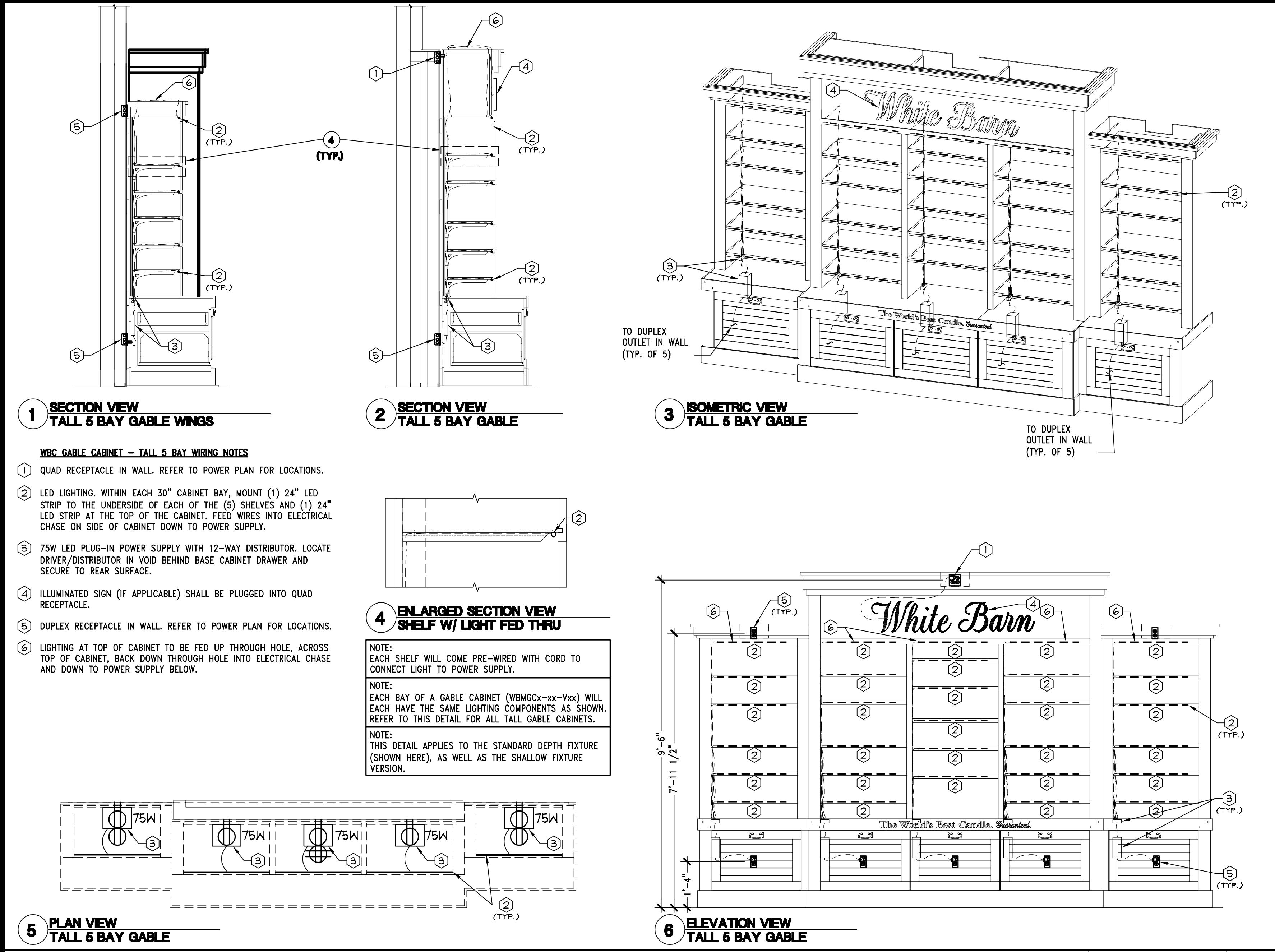
WBC WALLFLOWER FOCAL CABINET - TALL 4 BAY WIRING DETAIL
 1/2" = 1'-0" L
 4SD-EM04-009-DET. 04/30/21



WBC GABLE CABINET - 3 BAY WIRING DETAIL
 1/2" = 1'-0" C
 4SD-EM04-009-DET. 04/30/21



BBW FOCAL CABINET - SMALL/LARGE 3 BAY WIRING DETAIL
 1/2" = 1'-0" J
 4SD-EM04-009-DET. 04/30/21



WBC GABLE CABINET - TALL 5 BAY WIRING DETAIL
 1/2" = 1'-0" A
 4SD-EM04-009-DET. 04/30/21

THESE DRAWINGS AND SPECIFICATIONS ARE PREPARED FOR USE ON A SPECIFIC SITE. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION AND FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

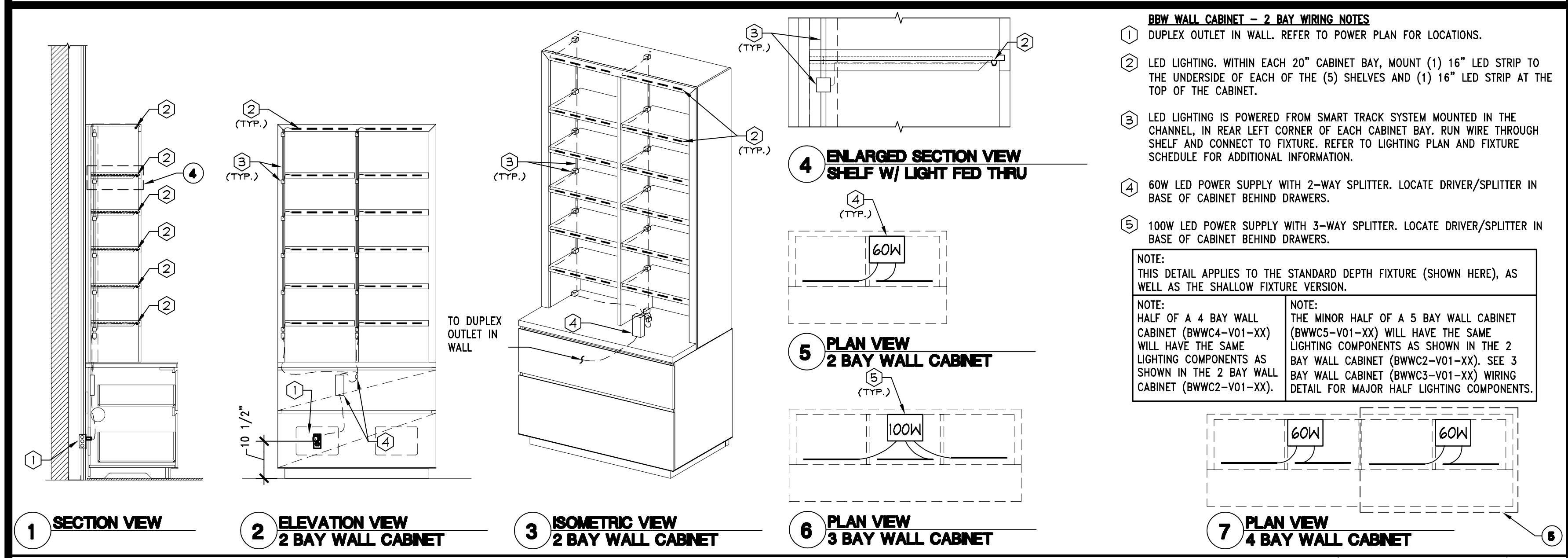
PROJECT INFORMATION:
 104.01.0737.01
BATH & BODY WORKS
 SOUTH HILL MALL
 SPACE NO. 235
 3500 S. MERRILL STREET
 FORT LUDLOW, WA 98373

REVISIONS:

DATE ISSUED: 11/04/2022
 DESIGNED BY: RDW
 DRAWN BY: TBA
 CHECKED BY: JH

ELECTRICAL DETAILS

DRAWING NUMBER:
E04.02

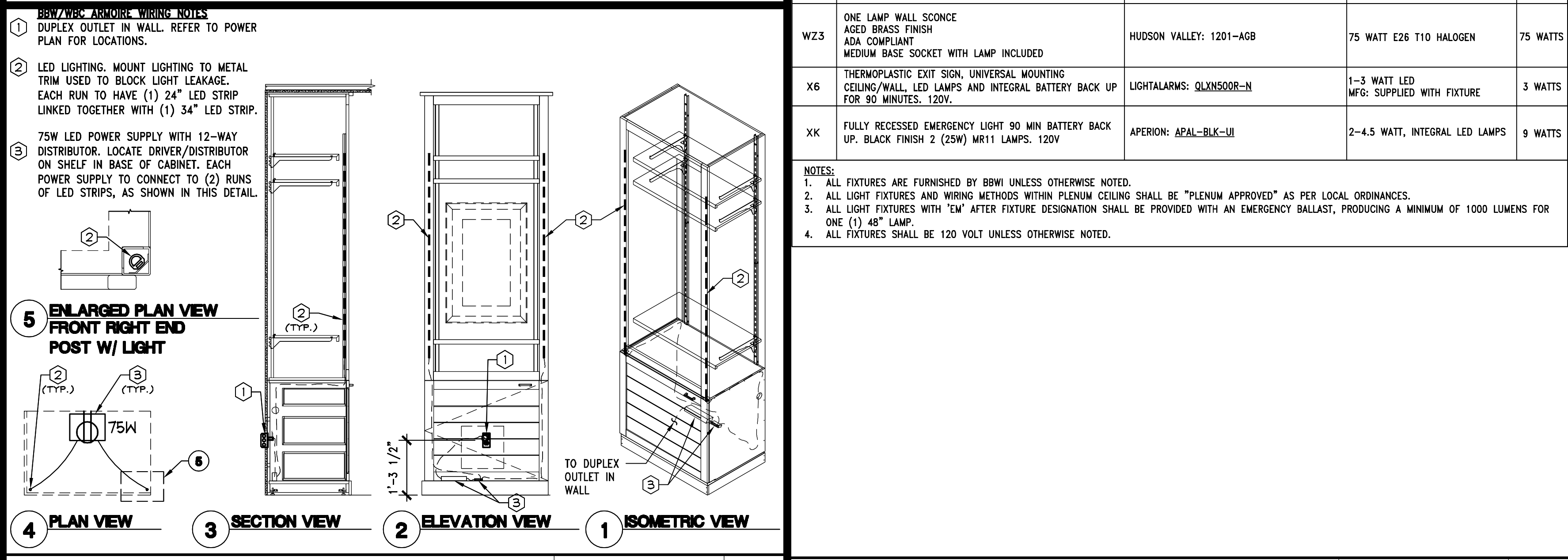


BBW WALL CABINET - 2 BAY WIRING DETAIL
 1/2" = 1'-0"
 48D-BM403-000-DETL
 J
 01/28/19

SYMBOL	DESCRIPTION	MANUFACTURER & MODEL NUMBER	LAMP	WATTAGE
A7	4" RECESSED LED DOWNLIGHT, 2700K, 1200 LUMENS, MEDIUM REFLECTOR BEAM WITH SILVER CONE AND WHITE FLANGE WITH EMERGENCY BALLAST, 120V, DIMMABLE VIA 0-10V	ELITE: L-HH4-LED-1200L-DIM10-120-MD-27K-85-TM-LED (HOUSING) ELITE: L-HH4-4501-CI-WH	1-17 WATT INTEGRAL 2700K PHILIPS LUMILED, 85 CRI, 50,000 HRS.	17 WATTS
BJ5	3" ROUND FIXED DOWNLIGHT, SILVER FLANGE, 3000K, 25 DEGREE FLOOD BEAM, 120V, DIMMABLE VIA 2-WIRE REVERSE PHASE (ELV)	SOLAIS: LB830NC (HOUSING) SOLAIS: LB83-25-30-5V (TRIM) SOLAIS: LB20/25C/30K/1100/9K (LED MODULE)	1-15 WATT INTEGRAL 3000K LED, 83 CRI, 50,000 HRS, MFG CREE	15 WATTS
CC	CERAMIC METAL HALIDE TRACKHEAD, INTERGRAL ELECTRONIC BALLAST, CLEAR REFLECTOR, SNOOT, WHITE FINISH, BLACK SWITCH	AMERLUX: CYL20TAGU6.5-E-WT-TJ1-120-FL-UBP-SN-WT BLACK SWITCH	20 WATT, CERAMIC METAL HALIDE, T4, 6065 T4L BASE, 3000K, 80CRI	25 WATTS
EA2	2 HEADED FULLY-RECESSED LED MULTIPLE FIXTURE, SILVER FINISH, 3000K, (2) 25 DEGREE BEAMS, WITH HEXCELL LOUVERS, 120V, DIMMABLE VIA 2-WIRE REVERSE PHASE (ELV)	SOLAIS: LB12-SV (HOUSING) SOLAIS: LBF12-SV-SV (TRIM) SOLAIS: (2) LB20/25C/30K/1100/SV/HL (LED MODULE)	2-15 WATT INTEGRAL 3000K LED, 83 CRI, 50,000 HRS., MFG CREE	30 WATTS
EA3	2 HEADED SEMI-RECESSED LED MULTIPLE FIXTURE, WHITE FINISH, 3000K, (2) 40 DEGREE BEAMS, WITH HEXCELL LOUVERS, 120V, DIMMABLE VIA 2-WIRE REVERSE PHASE (ELV)	SOLAIS: LB12-WH (HOUSING) SOLAIS: LBS12-WH-WH (TRIM) SOLAIS: (2) LB20/40W/30K/1450/WH/HL (LED MODULE)	2-17 WATT INTEGRAL 3000K LED, 83 CRI, 50,000 HRS., MFG CREE	34 WATTS
FE	4" SURFACE MOUNTED LED STRIP WITH HIGH TRANSMISSION WHITE ACRYLIC LENS, 3000K, 3300 LUMENS, 120V, DIMMABLE VIA 0-10V	MERCURY: LSA-4-3300-30K-HTA-1X-UNI	1-30 WATT, INTEGRAL LED, 3000K	30 WATTS
FH	4" SURFACE MOUNTED LED STRIP WITH HIGH TRANSMISSION WHITE ACRYLIC LENS, 3000K, 3300 LUMENS, WITH PHILIPS BODINE EMERGENCY DRIVER, 120V, DIMMABLE VIA 0-10V	MERCURY: LSA-4-3300-30K-HTA-1X-UNI-BSI310	1-30 WATT, INTEGRAL LED, 3000K	30 WATTS
FL	4" CHAIN HUNG LED STRIP WITH HIGH TRANSMISSION WHITE ACRYLIC LENS, 3000K, 3300 LUMENS, 120V, DIMMABLE VIA 0-10V	MERCURY: LSA-4-3300-30K-HTA-1X-UNI	1-30 WATT, INTEGRAL LED, 3000K	30 WATTS
FM	4" CHAIN HUNG LED STRIP WITH HIGH TRANSMISSION WHITE ACRYLIC LENS, 3000K, 3300 LUMENS, WITH PHILIPS BODINE EMERGENCY DRIVER, 120V, DIMMABLE VIA 0-10V	MERCURY: LSA-4-3300-30K-HTA-1X-UNI-BSI310	1-30 WATT, INTEGRAL LED, 3000K	30 WATTS
PB	14" OLD BRONZE AND GLASS PENDANT, CLEAR GLASS WITH MEDIUM BASE SOCKET BULB INCLUDED	HUDSON VALLEY: 7214-0B	INCLUDED	60 WATTS
PR	DECORATIVE PENDANT WHITE FINISH WITH 18" WHITE STEM 25 WATT MAX STICKER DIMMABLE VIA INCANDESCENT LOAD & 48" LEAD WIRE	HOLOPHONE: (TEXTURE) P80DD012525CAL-WH-25W	9.5 WATT DIMMABLE LED A19 LAMP 2200K-2700K E26 BASE 80 CRI 25,000 HOURS	10 WATTS
PS	18" DIAMETER DECORATIVE PENDANT CLEAR ACRYLIC DOME WITH BLACK FINISH HARDWARE AND 16.5" STEM ALSO BLACK FINISH	BASELITE: RP16/41/L116/ST16.5/SLC/150WATT INC	9.5 WATT DIMMABLE LED A19 LAMP 2200K-2700K E26 BASE 80 CRI 25,000 HOURS	10 WATTS

SD2	BBW 20" CABINET 16" MAGNETIC LINKABLE LED LIGHTS, 4000K, WITH ALL ACCESSORIES FOR TRACK PLUG AND PLAY SYSTEM, 120V	JESCO: (6) S801-16/40-MAG JESCO: (1) ST-5-WH JESCO: (6) ST-PF-0-WH JESCO: (6) S801-CC-24-W JESCO: (1) DL-PS-EXT48-WH JESCO: (1) ST-PF-1-WH JESCO: DL-PS-2Y (WHEN NEEDED) JESCO: DL-PS-3Y (WHEN NEEDED)	6-4 WATT, 80 CRI, 50,000 HR MFG: JESCO	SEE WATTAGE & QUANTITY OF POWER SUPPLY USED ON SHEET E03.01
SD5	BBW 20" BLUE CABINET 16" MAGNETIC LINKABLE LED LIGHTS, 4000K, WITH ALL ACCESSORIES FOR TRACK PLUG AND PLAY SYSTEM, BLACK CORD, 120V	JESCO: (6) S801-16/40-MAG JESCO: (1) ST-5-WH JESCO: (6) ST-PF-0-WH JESCO: (1) DL-PS-EXT48-WH JESCO: (1) ST-PF-1-WH JESCO: DL-PS-2Y (WHEN NEEDED) JESCO: DL-PS-3Y (WHEN NEEDED)	6-4 WATT, 80 CRI, 50,000 HR MFG: JESCO	SEE WATTAGE & QUANTITY OF POWER SUPPLY USED ON SHEET E03.01
SF4	BBW 30" CABINET 16" & 12" MAGNETIC LINKABLE LED LIGHTS, 4000K, WITH ALL ACCESSORIES FOR TRACK PLUG AND PLAY SYSTEM, BLACK CORD, 120V	JESCO: (6) S801-16/40-MAG JESCO: (6) S801-12/40-MAG JESCO: (1) ST-5-WH JESCO: (6) ST-PF-0-WH JESCO: (6) S801-CC-24-BK JESCO: (1) DL-PS-EXT48-WH JESCO: (1) ST-PF-1-WH JESCO: (1) ST-PF-1-WH	6-4 WATT LED, 6-3 WATT LED, 80 CRI 50,000 HR MFG: JESCO	SEE WATTAGE & QUANTITY OF POWER SUPPLY USED ON SHEET E03.01
SG1	WBC 4 BAY TALL WALLFLOWER CABINET LINEAR LINKABLE LED LIGHTS, 2700K, WITH POWER SUPPLY AND CONNECTOR CORDS, 120V	FEELUX: (24) NDP7-27K-24V-C80 FEELUX: (3) NDP4-27K-24V-C80 FEELUX: (3) NDPCCR-BK	24-7 WATT LED STICKS, 3-4 WATT LED STICKS, 2700K, 90 CRI, 50,000 HRS. MFG: FEELUX	SEE WATTAGE & QUANTITY OF POWER SUPPLY USED ON SHEET E03.01
SP2	CABINET LIGHTING POWER SUPPLY 75 WATT, 24V DC, PLUG AND PLAY POWER SUPPLY WITH 12 PORT TERMINAL BLOCK, WHITE FINISH. USED WITH FIXTURES: S01.S02.SM2.SM3.SY1.SM4.SM5.S22	FEELUX: ELG75-24V/XL	REFER TO E03.01 FOR QTY.-75 WATTS MFG: FEELUX	75 WATTS
SR1	CABINET LIGHTING POWER SUPPLY 60 WATT, 24V DC, PLUG AND PLAY POWER SUPPLY, BLACK FINISH. USED WITH FIXTURES: S02.S03.S04.S05.S06.S07.SF4	JESCO: DL-PS-60/24	REFER TO E03.01 FOR QTY.-60 WATTS MFG: JESCO	60 WATTS

SV1	WBC 1 BAY GABLE CABINET 1 BAY LINEAR LINKABLE LED LIGHTS WITH POWER SUPPLY AND CONNECTOR CORDS 2700K, 120V.	FEELUX: (6) NDPCCR-BK FEELUX: (6) NDP7-27K-24V-C80	6-7 WATT LED STICKS, 2700K, 90 CRI 50,000 HRS. MFG: FEELUX	SEE WATTAGE & QUANTITY OF POWER SUPPLY USED ON SHEET E03.01
S22	WBC METAL TOWER LINEAR LINKABLE LED LIGHTS WITH POWER SUPPLY AND CONNECTOR CORDS 2700K, 120V.	FEELUX: (4) NDP11-27K-24V-C80 FEELUX: (2) NDPCCR-BK	4-11 WATT LED STICKS, 2700K, 90 CRI 50,000 HRS. MFG: FEELUX	SEE WATTAGE & QUANTITY OF POWER SUPPLY USED ON SHEET E03.01
TU	SURFACE MOUNTED SINGLE CIRCUIT TRACK, SILVER FINISH, 120V.	LIGHTOLIER: 600NAL 600ANBAL 600BNAL 600BNAL (AS REQUIRED)	-	-
TUF	SURFACE MOUNTED FLEX CONNECTOR FOR SINGLE CIRCUIT TRACK, SILVER FINISH, 120V.	LIGHTOLIER: 6053NAL	-	-
TUL	SURFACE MOUNTED "L" CONNECTOR FOR SINGLE CIRCUIT TRACK, SILVER FINISH, 120V.	LIGHTOLIER: 6050NAL	-	-
U6	BBW-15 WATT, VERTICAL BALLAST, 25 DEGREE FLOOD TRACK FIXTURE, SILVER FINISH, 3000K, 120V, DIMMABLE VIA 2-WIRE FORWARD PHASE (MLV/TRIAC)	SOLAIS: LB20/25C/30K/1100/SV/L	1-15 WATT INTEGRAL 3000K, 83 CRI, 50,000 HRS MFG CREE	15 WATTS
U8	BBW-15 WATT, VERTICAL BALLAST, 25 DEGREE FLOOD TRACK FIXTURE, SILVER FINISH, 3000K, 120V, DIMMABLE VIA 2-WIRE FORWARD PHASE (MLV/TRIAC)	SOLAIS: LB20/25C/30K/1100/SV/L/HL	1-15 WATT INTEGRAL 3000K, 83 CRI, 50,000 HRS MFG CREE	15 WATTS
UC	BBW-15 WATT, VERTICAL BALLAST, 15 DEGREE SPOT TRACK FIXTURE, SILVER FINISH, 3000K, WITH SNOOT, 120V, DIMMABLE VIA 2-WIRE FORWARD PHASE (MLV/TRIAC)	SOLAIS: LB20/15C/30K/1100/SV/L/TS	1-15 WATT INTEGRAL LED, 3000K, 83 CRI, 50,000 HRS., MFG: CREE	15 WATTS
UD	BBW-15 WATT, VERTICAL BALLAST, 15 DEGREE SPOT TRACK FIXTURE, SILVER FINISH, 3000K, WITH SNOOT AND HEXCELL LOUVER, 120V, DIMMABLE VIA 2-WIRE FORWARD PHASE (MLV/TRIAC)	SOLAIS: LB20/15C/30K/1100/SV/L/HL/TS	1-15 WATT INTEGRAL LED, 3000K, 83 CRI, 50,000 HRS., MFG: CREE	15 WATTS
W22	ONE LIGHT SHAW SCONCE AGED BRASS FINISH MEDIUM BASE SOCKET	HUDSON VALLEY: 1200-AGB	6 WATT E26 MEDIUM BASE T8	6 WATTS
W23	ONE LAMP WALL SCONCE AGED BRASS FINISH ADA COMPLIANT MEDIUM BASE SOCKET WITH LAMP INCLUDED	HUDSON VALLEY: 1201-AGB	75 WATT E26 T10 HALOGEN	75 WATTS
X6	THERMOPLASTIC EXIT SIGN, UNIVERSAL MOUNTING CEILING/WALL, LED LAMPS AND INTEGRAL BATTERY BACK UP FOR 90 MINUTES, 120V.	LIGHTALARMS: QUEN500R-N	1-3 WATT LED MFG: SUPPLIED WITH FIXTURE	3 WATTS
XX	FULLY RECESSED EMERGENCY LIGHT 90 MIN BATTERY BACK UP, BLACK FINISH 2 (20W) WHT LAMPS, 120V	APERION: APAL-BLK-UI	2-4.5 WATT, INTEGRAL LED LAMPS	9 WATTS



ARMOIRE WIRING DETAIL
 1/2" = 1'-0"
 48D-BM404-L00-XXAM
 K
 05/06/21

SYMBOL	DESCRIPTION	MANUFACTURER & MODEL NUMBER	LAMP	WATTAGE
NTS	NOT TO SCALE			
A	A			

NOTES:
 1. ALL FIXTURES ARE FURNISHED BY BBW UNLESS OTHERWISE NOTED.
 2. ALL LIGHT FIXTURES AND WIRING METHODS WITHIN PLENUM CEILING SHALL BE "PLENUM APPROVED" AS PER LOCAL ORDINANCES.
 3. ALL LIGHT FIXTURES WITH "EM" AFTER FIXTURE DESIGNATION SHALL BE PROVIDED WITH AN EMERGENCY BALLAST, PRODUCING A MINIMUM OF 1000 LUMENS FOR ONE (1) 48" LAMP.
 4. ALL FIXTURES SHALL BE 120 VOLT UNLESS OTHERWISE NOTED.

PROJECT INFORMATION:
 104.01.0737.01
BATH & BODY WORKS
 SOUTH HILL MALL
 SPACE NO. 235
 3500 S. MERRIMAN STREET
 FORT LUDLOW, VA 98373

REVISIONS:

DATE ISSUED: 11/04/2022
 DESIGNED BY: RDW
 DRAWN BY: TBA
 CHECKED BY: JH

ELECTRICAL DETAILS

DRAWING NUMBER: **E04.03**

TBA
 Thorson • Baker + Associates
 CONSULTING ENGINEERS
 3030 West Streetsboro Road
 Richfield, Ohio 44286
 (330) 656-6688 PH
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REGISTERED PROFESSIONAL ENGINEER
 JUSTIN HOSSEINWALD
 STATE OF OHIO
 LICENSE NO. 93871

Bath & Body Works
 Three Limited Parkway Columbus, Ohio 43230
 Telephone: 614.415.7000 Fax: 614.415.7349

SIS, PKG 2
 2315G.00
 20221012.0

PACKAGE: BBW ES/WBC 2021
 GENERATION: 00116082
 A/E PROJECT #:

REQUIRED BY: _____ DATE: _____

DRAWING NUMBER: **E04.03**

SECTION 28000 - BASIC ELECTRICAL REQUIREMENTS

A. NOTE

- 1. THE ABBREVIATION BWMI WHEREVER IT APPEARS IN THESE ELECTRICAL DRAWINGS AND/OR SPECIFICATIONS SHALL REFER TO "BATH & BODY WORKS, INC.", ANY REFERENCE TO "THE PROJECT MANAGER OR FURNISHED BY ANY OF THE ABOVE REFERS TO BWMI.
- 2. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND ALL OTHER SPECIFICATION SECTIONS, APPLY TO THIS AND THE OTHER SECTIONS OF DIVISION 26.
- 3. THE CONTRACTOR FOR THIS DIVISION OF WORK IS REQUIRED TO READ THE SPECIFICATIONS AND REVIEW DRAWINGS FOR ALL DIVISIONS OF WORK AND IS RESPONSIBLE FOR THE COORDINATION OF THIS WORK AND THE WORK OF HIS OR HER SUBCONTRACTORS WITH ALL DIVISIONS OF WORK. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO PROVIDE HIS OR HER SUBCONTRACTORS WITH A COMPLETE SET OF BID DOCUMENTS.
- 4. THIS ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SCHEDULING THE COMPLETION AND INSPECTION OF THIS WORK TO COMPLY WITH THE BWMI SCHEDULE AND THE PROJECT COMPLETION DATE.
- 5. THIS CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTAL OF BID TO DETERMINE CONDITIONS AFFECTING THE WORK. ANY ITEMS WHICH ARE NOT COVERED IN THE BID DOCUMENTS OR ANY PROPOSED SUBSTITUTIONS SHALL BE LISTED SEPARATELY AND QUALIFIED IN THE CONTRACTORS BID. SUBMITTAL OF BID SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS AND ANY MODIFICATIONS WHICH ARE REQUIRED TO MEET THE INTENT OF THE DRAWINGS AND SPECIFICATIONS. FAILURE TO VISIT THE SITE DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY IN PERFORMANCE OF HIS OR HER WORK.
- 6. REFER TO RESPONSIBILITY SCHEDULE ON SHEET E01.01 OF THIS SET FOR INFORMATION IN REGARD TO RESPONSIBILITY OF WORK OR ITEMS WHICH MAY AFFECT BID.

B. GENERAL REQUIREMENTS

- 1. THIS CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION, INCIDENTALS AND DETAILS NECESSARY TO PROVIDE A COMPLETE ELECTRICAL SYSTEM AS SHOWN ON THE DRAWINGS, CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS. ALL WORK NOT SPECIFICALLY NOTED AS BEING BY THE LANDLORD OR BWMI SHALL BE PROVIDED BY THIS CONTRACTOR. CLOSELY COORDINATE WITH THE LANDLORD AND THE BWMI PROJECT MANAGER, AS REQUIRED.
- 2. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPLEMENT EACH OTHER AND ANY MATERIAL OR LABOR CALLED FOR IN ONE SHALL BE FURNISHED AND INSTALLED EVEN THOUGH NOT SPECIFICALLY MENTIONED IN BOTH. ANY MATERIAL OR LABOR WHICH IS NEITHER SHOWN ON THE DRAWINGS NOR CALLED FOR IN THE SPECIFICATIONS, BUT WHICH IS OBVIOUSLY NECESSARY TO COMPLETE THE WORK, AND WHICH IS USUALLY INCLUDED IN WORK OF SIMILAR CHARACTER, SHALL BE FURNISHED AND INSTALLED AS PART OF CONTRACT.
- 3. WHERE THE DRAWINGS OR SPECIFICATIONS CALL FOR ITEMS WHICH EXCEED CODES OR THE LANDLORD'S TENANT CRITERIA, THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING THE SYSTEM WITH THE MORE STRINGENT REQUIREMENTS AS DESIGNED AND DESCRIBED ON THESE DRAWINGS, UNLESS SPECIFICALLY NOTED OTHERWISE.
- 4. ALL WORK IN THIS SECTION SHALL BE INSTALLED SO AS TO BE READY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING, AND REPAIRING. THIS CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUFFICIENT ACCESS TO ALL EQUIPMENT.
- 5. ALL WORK SHALL BE PERFORMED IN A NEAT PROFESSIONAL MANNER USING GOOD CONSTRUCTION PRACTICES.
- 6. UNLESS SPECIFICALLY NOTED OTHERWISE, MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW, UNDERWRITERS LABORATORIES LISTED AND LABELED AND SET IN CONFORMITY WITH REQUIREMENTS OF STATE AND LOCAL CODES, WHICHEVER IS MORE STRINGENT.
- 7. THIS CONTRACTOR SHALL DO ALL CUTTING, CHASING AND CHANNELING REQUIRED FOR ANY WORK UNDER THIS DIVISION. CUTTING SHALL HAVE PRIOR APPROVAL BY BWMI PROJECT MANAGER AND THE LANDLORD. ALL PATCHING SHALL BE BY G.C. AND SHALL WATCH THE SURROUNDING SURFACES.

- 8. THE ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL ELECTRICAL CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.

C. TEMPORARY LIGHT AND POWER

- 1. THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL TEMPORARY WIRING AND RELATED GROUND FAULT INTERRUPTION PROTECTION FOR LIGHT AND POWER FOR ALL CONTRACTORS AND IS RESPONSIBLE FOR ITS REMOVAL.
- 2. ALL TEMPORARY LIGHTING WILL CONFORM WITH OSHA STANDARDS.
- 3. THE GENERAL CONTRACTOR SETS UP ALL ELECTRICAL UTILITIES IN THE NAME OF BATH & BODY WORKS, INC. BATH & BODY WORKS, INC. PAYS FOR ALL UTILITIES THROUGHOUT CONSTRUCTION.

D. CODES

- 1. ALL WORK SHALL CONFORM TO THE LANDLORD'S CRITERIA, THE STATE'S, COUNTY'S, CITY'S, PROVINCE AND LOCAL CODES AND ORDINANCES, SAFETY AND HEALTH CODES, NFPA/NFAC CODES, ENERGY CODES AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS. THIS CONTRACTOR SHALL INCLUDE INTO AND COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS. THIS CONTRACTOR SHALL INCLUDE ANY CHANGES REQUIRED BY CODES IN THE BID AND IF THESE CHANGES ARE NOT INCLUDED IN THE BID, THEY SHALL BE QUALIFIED AS A SEPARATE LINE ITEM IN THE BID. AFTER CONTRACT IS AWARDED, CHANGE ORDERS FOR INCREASED COSTS DUE TO CODE ISSUES WILL NOT BE ACCEPTED BY BWMI, UNLESS INFORMATIONS HAVE PREVIOUSLY BEEN AGREED UPON.

E. LICENSES, PERMITS, INSPECTIONS & FEES

- 1. THIS CONTRACTOR SHALL OBTAIN AND PAY FOR ALL LICENSES, PERMITS, INSPECTIONS, AND FEES REQUIRED OR RELATED TO HIS OR HER WORK.
- 2. FURNISH TO THE BWMI'S PROJECT MANAGER ALL CERTIFICATES OF INSPECTION AND FINAL INSPECTION APPROVAL AT COMPLETION OF PROJECT.

F. TRADE NAMES, MANUFACTURERS AND SHOP DRAWINGS

- 1. WHERE TRADE NAMES AND MANUFACTURERS ARE USED ON THE DRAWINGS OR IN THE SPECIFICATIONS, THE EXACT EQUIPMENT SHALL BE USED AS A MINIMUM FOR THE BASE BID. MANUFACTURERS CONSIDERED AS AN EQUAL OR BETTER IN ALL ASPECTS TO THAT SPECIFIED WILL BE SUBJECT TO APPROVAL IN WRITING BY BWMI'S PROJECT MANAGER THROUGH SHOP DRAWING SUBMITTAL PROCESS FOR ACCEPTANCE PRIOR TO INSTALLATIONS. THE USE OF ANY UNAUTHORIZED EQUIPMENT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 2. GENERAL CONTRACTOR SHALL SUBMIT ONLY SUBSTITUTION REQUESTS TO BWMI PROJECT MANAGER FOR APPROVAL. SUBMISSIONS SHALL BE MADE EARLY ENOUGH IN PROJECT TO ALLOW FOUR (4) WORKING DAYS FOR BWMI PROJECT MANAGER'S REVIEW WITHOUT CAUSING DELAYS OR CONFLICTS TO THE JOB'S PROGRESS. SUBMITTALS SHALL BEAR THE STAMP OF THE GENERAL CONTRACTOR AND THE SUBCONTRACTOR SHOWING THAT HE HAS REVIEWED AND CONFIRMED THAT THE SUBMITTALS ARE IN CONFORMANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS OR INDICATE WHERE EXCEPTIONS HAVE BEEN TAKEN.

G. GUARANTEE

- 1. THIS CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORK PROVIDED UNDER HIS OR HER CONTRACT AND SHALL MAKE GOOD, REPAIR OR REPLACE AT HIS OR HER OWN EXPENSE, ANY DEFECTIVE WORK, MATERIAL, OR EQUIPMENT WHICH MAY BE DISCOVERED WITHIN A PERIOD OF 12 MONTHS FROM THE DATE OF ACCEPTANCE OF THE INSTALLATION BY BWMI'S PROJECT MANAGER (IN WRITING). EXTENDED WARRANTIES ARE AS SPECIFIED WITH INDIVIDUAL EQUIPMENT.
- 2. THE EQUIPMENT MANUFACTURER SHALL GUARANTEE AND PROVIDE A 12 MONTH GUARANTEE TO BWMI FROM THE DATE OF ACCEPTANCE. THE CONTRACTOR SHALL WARRANT THE INSTALLATION OF THIS EQUIPMENT AND WILL BE RESPONSIBLE FOR ANY DAMAGE AND/OR MALFUNCTION CAUSED BY THE INSTALLATION. THIS CONTRACTOR SHALL NOT BEAR ADDITIONAL WARRANTIES BEYOND A COMPLETE WORKING SYSTEM.

H. RECORD DRAWINGS

- 1. THIS CONTRACTOR SHALL MAINTAIN ONE SET OF DRAWINGS ON THE JOB SITE UPDATED WEEKLY TO RECORD ALL DEVIATIONS FROM CONTRACT DRAWINGS, SUCH AS:
 - a. LOCATION OF CONCEALED PULLBOXES.
 - b. REVISIONS, ADDENDUMS, AND CHANGE ORDERS.
- 2. AT COMPLETION OF THE PROJECT AND BEFORE FINAL APPROVAL, THIS CONTRACTOR SHALL MAKE ANY FINAL CORRECTIONS TO DRAWINGS AND CERTIFY THE ACCURACY OF EACH PRINT BY SIGNATURE THEREON. FAILURE TO KEEP THESE RECORDS WILL ALLOW BWMI TO DIRECT THE GENERAL CONTRACTOR TO PROVIDE THESE RECORDS AT HIS OR HER EXPENSE PRIOR TO FINAL PAYMENT.

I. DISCREPANCIES IN DOCUMENTS

- 1. DRAWINGS (PLANS, SPECIFICATIONS, AND DETAILS) ARE DIAGRAMATIC AND INDICATE THE GENERAL LOCATION AND INTENT OF THE MECHANICAL SYSTEMS. WHERE DRAWINGS, EXISTING SITE CONDITIONS, SPECIFICATIONS OR OTHER TRADES CONFLICT OR ARE UNCLEAR, ADVISES THE GENERAL CONTRACTOR IN WRITING, PRIOR TO SUBMITTAL OF BID. THE GENERAL CONTRACTOR IS RESPONSIBLE TO ADVISE BWMI'S PROJECT MANAGER, IN WRITING, OF VARIATIONS TO CONTRACT DOCUMENTS PRIOR TO SUBMISSION OF BID. OTHERWISE, BWMI PROJECT MANAGER'S INTERPRETATION OF CONTRACT DOCUMENTS OR CONDITIONS SHALL BE FINAL WITH NO ADDITIONAL COMPENSATION PERMITTED.

J. PHASING REQUIREMENTS

- 1. THIS CONTRACTOR IS TO INCLUDE IN HIS OR HER BID ALL NECESSARY SERVICE REQUIRED TO KEEP THE OPERATING PHASE OF THE STORE'S HVAC, ELECTRICAL, PLUMBING AND SPRINKLER SERVICE IN OPERATION. CONTRACTOR SHALL SCHEDULE IN WRITING WITH BWMI'S PROJECT MANAGER AND THE LANDLORD ONE WEEK PRIOR TO ANY SHUT DOWN OF THE HVAC, PLUMBING OR FIRE PROTECTION SYSTEMS.

K. DEMOLITION

- 1. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE DEMOLITION OF EXISTING WORK AND THE DEMOLITION PROVIDED BY THE GENERAL CONTRACTOR. COORDINATE WITH THE GENERAL CONTRACTOR ANY EXISTING EQUIPMENT REQUIRED TO BE LEFT INTACT.
- 2. THIS CONTRACTOR SHALL INCLUDE, AND WILL BE HELD RESPONSIBLE FOR, THE REMOVAL OF ALL EXISTING CONDUIT, FIRE ALARM SYSTEM, SWITCH GEAR, PITCH PROTECTIVE ETC., UNLESS SPECIFICALLY NOTED OTHERWISE. CONTRACTOR SHALL VERIFY WITH THE LANDLORD ALL PRESUMED ABANDONED EQUIPMENT, CONDUIT AND SWITCH GEAR PRIOR TO REMOVAL. PITCH POCKETS SHALL BE REMOVED AND THE ROOF PATCHED, AS REQUIRED BY THE LANDLORD. ALL EXTRANEOUS ITEMS IN THE SPACE OR ON THE ROOF NOT APPLICABLE TO THE NEW WORK SHALL BE REMOVED AND ROOF/WALL/FLOOR PATCHED/REPAIRED TO LIKE NEW CONDITION. EXISTING ABANDONED CONDUIT OR EQUIPMENT IN THE FLOOR, EMBEDDED IN CONCRETE, OR OTHERWISE INACCESSIBLE, ARE TO BE CUT OFF AND SEALED BELOW OR WITHIN FLOOR OR WALL LEVEL WHEN THEY ARE NOT TO BE REUSED IN THIS PROJECT. IF REQUIRED BY LANDLORD OR CODES, ABANDONED CONDUIT SHALL BE REMOVED TO POINT OF ORIGINATION. CONFIRM EXTENT OF DEMOLITION PRIOR TO BID AND INCLUDE IN PROPOSAL.

- 3. ALL UNUSED COMMUNICATION, DATA, AND LOW VOLTAGE CABLING IS TO BE REMOVED IN ACCORDANCE WITH N.E.C. 725.(3)B AND 760.(A).

L. SLEEVES

- 1. THIS CONTRACTOR SHALL PROVIDE SLEEVES TO PROTECT EQUIPMENT OR FACILITIES IN THE INSTALLATION. EACH SLEEVE SHALL EXTEND THROUGH ITS RESPECTIVE FLOOR, WALL OR PARTITION AND SHALL BE CUT FLUSH WITH EACH SURFACE EXCEPT SLEEVES THAT PENETRATE THE FLOOR, WHICH SHALL EXTEND 2" ABOVE THE FLOOR. CONTRACTOR SHALL COORDINATE THROUGH THE LANDLORD ANY CORE DRILLING OR CUTTING OF OPENINGS IN MASONRY FLOORS OR WALLS.
- 2. ALL SLEEVES AND OPENINGS THROUGH FIRE RATED WALLS AND/OR FLOORS SHALL BE FIRE SEALED WITH CALCIUM SILICATE, SILICONE "RTV" FOAM, "SM" FIRE RATED SEALANTS OR EQUAL, SO AS TO RETURN THEIR FIRE RATING.
- 3. SLEEVES IN BEARING AND MASONRY WALLS, FLOORS, AND PARTITIONS SHALL BE STANDARD WEIGHT STEEL PIPE FINISHED WITH SMOOTH EDGES. FOR OTHER THAN MASONRY PARTITIONS, THROUGH SUSPENDED CEILINGS, OR FOR CONCEALED VERTICAL PIPING, SLEEVES SHALL BE NO. 22 U.S.G. GALVANIZED STEEL MINIMUM.

M. HANGERS

- 1. HANGERS SHALL INCLUDE ALL MISCELLANEOUS STEEL SUCH AS ANGLE IRON, BANDS, C-CLAMPS WITH RETAINING CLIPS, CHANNELS, HANGER ROOFS, ETC., NECESSARY FOR THE INSTALLATION OF WORK.
- 2. HANGERS SHALL BE FASTENED TO BUILDING STEEL, CONCRETE, OR MASONRY, BUT NOT TO PIPING. HANGING FROM METAL DECK IS NOT PERMITTED. HANGERS SHALL BE ATTACHED TO UPPER CHORD OF BAR JOIST. WHERE INTERFERENCES OCCUR, AND IN ORDER TO SUPPORT DUCTWORK OR PIPING, THE CONTRACTOR SHALL INSTALL TRAPEZOID TYPE HANGERS OR SUPPORTS WHICH SHALL BE LOCATED WHERE THEY DO NOT INTERFERE WITH ACCESS TO FIRE DAMPERS, VALVES, AND OTHER EQUIPMENT. HANGER TYPES AND INSTALLATION METHODS ARE ALSO SUBJECT TO LANDLORD CRITERIA.
- 3. HANGERS FOR ALL INSULATED PIPING SHALL BE SIZED AND INSTALLED FOR THE OUTER DIAMETER OF INSULATION. INSTALL 6" LONG SPLIT CIRCLE GALVANIZED SADDLE BETWEEN THE HANGER AND THE PIPE INSULATION.
- 4. HANGERS AND PIPING OF DISSIMILAR METALS SHALL BE DIF-ELECTRICALLY SEPARATED.

N. FINAL ELECTRICAL INSPECTION

- 1. ASIDE FROM NORMAL INTERIM INSPECTIONS OF WORK IN PLACE, BWMI MAY HAVE AN INDEPENDENT ELECTRICAL CONTRACTOR INSPECT THE FINISHED ELECTRICAL INSTALLATION UPON COMPLETION FOR COMPLIANCE WITH THE PLANS, SPECIFICATIONS AND CODES. THE INSTALLING CONTRACTOR WILL BE RESPONSIBLE TO BRING ALL ITEMS REPORTED BY THE INDEPENDENT ELECTRICAL CONTRACTOR UP TO PLANS AND SPECIFICATION REQUIREMENTS.

O. SCOPE OF WORK

- 1. THIS CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION, AND FACILITIES NECESSARY FOR REASONABLY UNIFIED AND INCLUSIVE WORK. THE FURNISHING, INSTALLATION, COMPLETION AND TESTING OF ALL THE WORK FOR THE ELECTRICAL SYSTEMS AS SHOWN ON THE DRAWINGS, CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS, TO INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:

- a. COMPLETE ELECTRICAL DISTRIBUTION SYSTEM INCLUDING THE INSTALLATION OF BWMI FURNISHED POWER DISTRIBUTION SYSTEM UNIT, SAFETY SWITCHES, DISCONNECT SWITCHES AND MOTOR STARTERS (SOMETIMES FURNISHED AND INSTALLED BY CONTRACTOR), AND LIGHTING. IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO INCLUDE IN HIS OR HER BID FOR PROVIDING SERVICE EQUIPMENT NECESSARY FOR TIE-IN TO LANDLORD'S DISTRIBUTION EQUIPMENT OR TO OBTAIN SERVICE FROM LOCAL UTILITY COMPANY. REFER TO ELECTRICAL RESPONSIBILITY SCHEDULE AND ELECTRICAL POWER RISER DIAGRAM FOR ADDITIONAL INFORMATION.
 - b. CONTRACTOR SHALL INCLUDE IN BID ALL NECESSARY MATERIALS REQUIRED TO COMPLETE THE SYSTEM INCLUDING, BUT NOT LIMITED TO, FEEDERS, BRANCH CIRCUITS, JUNCTION BOXES, OUTLET BOXES, WIRING DEVICES, COVERPLATES, CONDUITS, MOTOR STARTERS, DISCONNECTS, ETC.
 - c. METERING AND CURRENT TRANSFORMERS AS REQUIRED BY DRAWINGS, BWMI, UTILITY COMPANY, AND/OR LANDLORD.
 - d. THE WIRING OF MECHANICAL EQUIPMENT AS OUTLINED ON THE BID SET DRAWINGS AND IN THE SPECIFICATIONS. WORK SHALL INCLUDE WIRING OF ALL STARTERS, DISCONNECTS, AND POWER WIRING OF MECHANICAL EQUIPMENT EXCEPT AS SPECIFICALLY NOTED OTHERWISE. ALL LOW VOLTAGE (24 VOLT) EMS TEMPERATURE CONTROL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR UNLESS NOTED SPECIFICALLY ON DRAWING.
 - e. INSTALLATION OF LIGHT FIXTURES AND LAMPS AS SHOWN ON THE DRAWINGS INCLUDING ALL DEVICES, EQUIPMENT, ETC. REQUIRED FOR MOUNTING.
 - f. A COMPLETE CONDUIT SYSTEM FOR TELEPHONE/DATA AND TRAFFIC COUNTER INCLUDING BRANCH CONDUITS, OUTLET BOXES, PULL WIRES, GROUNDING CONDUITS, COVER PLATES, ETC. OR AS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.
 - g. A COMPLETE EMERGENCY AND EXIT LIGHTING SYSTEM AS SHOWN ON THE DRAWINGS.
 - h. TEMPORARY SERVICE AS INDICATED IN THE SPECIFICATIONS, INCLUDING ITS REMOVAL.
 - i. FINAL CONNECTIONS TO ALL SIGNS, CORNICE LIGHTING, CASE LIGHTING, ETC. AS SHOWN ON DRAWINGS.
 - j. INSTALLATION AND WIRING OF SPEAKERS, AMPLIFIERS, CONDUIT AND FINAL CONNECTIONS FOR SOUND SYSTEM AS SHOWN.
 - k. SMOKE/FIRE ALARM WIRING, DEVICES AND CONDUIT, AS SHOWN OR DESCRIBED ON DRAWINGS OR AS NECESSARY TO MEET LANDLORD, STATE, LOCAL, INSURANCE AND FIRE DEPARTMENT REQUIREMENTS.
 - l. INSTALLATION OF CONDUITS SUBJECT TO ABOVE CEILING FOR HVAC. ALSO, ANY ADDITIONAL CONDUIT FOR HVAC CONTROL EQUIPMENT WHERE PLENUM RATED CABLES ARE NOT PERMITTED.
 - m. BALANCING LOADS.
 - n. AS-BUILT, PANEL DESCRIPTION AND CIRCUIT BREAKER SPECIFIC LABELING.
2. WORK NOT INCLUDED: THE FOLLOWING ITEMS OF ELECTRICAL CONSTRUCTION ARE NOT INCLUDED IN THIS CONTRACT:
- a. TELEPHONE INSTRUMENTS AND WIRING UNLESS NOTED OTHERWISE.
 - b. DATA CABLE WIRING UNLESS NOTED OTHERWISE.
3. BEFORE STARTING WORK, THIS CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL, STRUCTURAL, FIRE PROTECTION, MECHANICAL AND PLUMBING PLANS, SHOP DRAWINGS AND SPECIFICATIONS TO SEQUENCE, COORDINATE, AND INTEGRATE THE VARIOUS ELEMENTS OF THE ELECTRICAL SYSTEM, MATERIALS AND EQUIPMENT WITH OTHER CONTRACTORS TO AVOID INTERFERENCES AND CONFRONTATIONS.

P. CLEANING

- 1. AT THE END OF THE PROJECT, THIS CONTRACTOR SHALL CLEAN ALL EQUIPMENT, INCLUDING LIGHT FIXTURES, TO THE SATISFACTION OF BWMI. ALL DUST, DIRT, DEBRIS, AND FOREIGN MATTER SHALL BE REMOVED FROM ALL EQUIPMENT.

SECTION 28005 - MAINTENANCE TESTING OF ELECTRICAL SYSTEMS

- A. ALL CONNECTIONS AT PANELS, LIGHTING CONTRACTORS AND SWITCHES ARE TO BE MADE, ALL SPLICES COVERED, ALL FUSES IN PLACE, AND ALL CIRCUITS CONTINUOUS FROM POINT OF SERVICE CONNECTION TO ITS FINAL DESTINATION, AND ALL COVERS AND PLATES INSTALLED PRIOR TO THE TIME OF FINAL INSPECTION BY BWMI'S PROJECT MANAGER.
- B. UPON COMPLETION OF THE WORK, ALL PARTS OF THE ELECTRICAL INSTALLATION SHALL BE TESTED AND PROVED FREE OF UNWANTED GROUNDS AND OTHER DEFECTS.
- C. ALL OVERLOAD DEVICES, INCLUDING EQUIPMENT FURNISHED UNDER OTHER CONTRACTS, SHALL BE SET AND ADJUSTED TO SUIT THE LOAD CONDITIONS.
- D. TEST AND MAKE CORRECTIONS/ADJUSTMENTS FOR PHASE BALANCING.
- E. THIS CONTRACTOR IS TO BALANCE THE VOLTAGE LEAVING THE STEP-DOWN TRANSFORMER TO PROVIDE A SECONDARY VOLTAGE OF 120 MINIMUM TO 125 VOLTS MAXIMUM BY ADJUSTING THE TRANSFORMER TAPS ONCE ALL THE FINAL CONNECTIONS HAVE BEEN MADE TO THE LOW VOLTAGE PANELBOARD. INCLUDE FINAL BALANCE REPORT WITH AS-BUILT DRAWINGS.

SECTION 28006 - ELECTRICAL POWER CONDUITS AND CABLES

- A. CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS SHALL BE COPPER AND THE AWG SIZE AND TYPE AS SHOWN ON DRAWINGS. MINIMUM WIRE SIZE SHALL BE #12 AND THE CONDUCTORS SHALL BE 600 VOLT INSULATION TYPE THW, THWN, THHN, OR RHW50(CANADA).
- B. MINIMUM WIRE SIZE - 20 AMP BRANCH CIRCUIT SHALL BE AWG LISTED. SIZE PER DISTANCE SHOWN BELOW. DISTANCE SHALL BE MEASURED FROM THE PANELBOARD CIRCUIT BREAKER TO THE FARTHEST OUTLET.
 - 1. #12 LESS THAN 100 FEET
 - 2. #10 BETWEEN 100 - 150 FEET
 - 3. #8 BETWEEN 150 - 250 FEET
 - 4. #6 OVER 250 FEET
- C. ON ALL 20 AMP BRANCH CIRCUITS, CONDUCTORS LARGER THAN #10 AWG SHALL BE REDUCED TO #10 AWG WITHIN 10 FEET OF PANELBOARD AND DEVICE IN JUNCTION BOXES ON RATED TERMINAL STRIPS.
- D. CONDUCTORS MAY BE STRANDED FOR TYPES #10 AWG AND LARGER. CONDUCTORS' SIZE #12 SHALL BE SOLD.
- E. ALUMINUM CONDUCTORS ARE NOT PERMITTED, EXCEPT AT SERVICE ENTRANCE, WHERE REQUIRED BY LANDLORD. CONDUCTOR CONNECTION SHALL BE PER MANUFACTURER'S REQUIREMENTS. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION FROM GENERAL CONTRACTOR AND BWMI'S PROJECT MANAGER WHEN USED.
- F. ALL WIRING SHALL BE IN CONDUIT, UNLESS SPECIFICALLY NOTED OTHERWISE (I.E. LOW VOLTAGE PLENUM RATED WIRE).
- G. THE USE OF ROMEX OR BX CABLE IS NOT PERMITTED. THE USE OF MC CABLE IS NOT PERMITTED IN CANADA.
- H. WIRE CONNECTORS SHALL BE EQUAL TO "SNOTCH LOCK" FOR #8 AWG WIRE AND SMALLER AND EQUAL TO T & B "LOCKTIGHT" FOR #6 AWG AND LARGER.

SECTION 28008 - CONTROL VOLTAGE ELECTRICAL POWER CABLES

A. UNITED STATES

- 1. FURNISH AND INSTALL A SYSTEM OF CONDUIT RACEWAYS, OUTLET BOXES AND PULL WIRES AS SHOWN ON THE DRAWINGS UNLESS OTHERWISE NOTED ON PLANS. TELEPHONE SWITCHING APPARATUS, CONDUCTORS, INSTRUMENTS, MISCELLANEOUS EQUIPMENT AND APPURTENANCES ARE NOT PART OF THIS CONTRACT AND WILL BE PROVIDED AND INSTALLED BY BWMI.
- 2. OUTLET BOXES TO BE 4" SQUARE MINIMUM WITH SINGLE DEVICE COVER AND TELEPHONE PLATE.
- 3. CONDUIT RUNS FROM ITS ENCLOSURE OR MANAGER'S OFFICE FOR TELEPHONE AND DATA LINES TO CASHWRAPS ARE TO BE CONTINUOUS WITH NO JUNCTION BOXES EXCEPT AS NOTED OTHERWISE ON DRAWINGS.
- 4. ALL PULL WIRES ARE TO BE LABELED FOR PURPOSE DESIGNATED.

- 5. ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL ELECTRICAL WORK TO BE INCLUDED IN HIS OR HER BID.
- 6. ELECTRICAL CONTRACTOR SHALL DO ALL POWER WIRINGS, LINE VOLTAGE WIRINGS, AND LINE VOLTAGE CONTROL WIRING INDICATED UNDER THE HEATING, VENTILATION AND AIR CONDITIONING, PLUMBING AND FIRE PROTECTION SPECIFICATIONS AND DRAWINGS. THIS CONTRACTOR SHALL ALSO DO ALL INTERCONNECTING LINE VOLTAGE WIRINGS BETWEEN RELAYS AND SWITCHES AS REQUIRED.
- 7. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING CONDUIT FOR HVAC CONTROL WIRING WHERE REQUIRED BY CODE OR SHOWN ON PRINTS TO BE IN CONDUIT. REFER TO PLANS FOR REQUIREMENTS AND SIZE.
- 8. FIRE AND/OR SMOKE DAMPERS SHALL BE WIRED BY ELECTRICAL CONTRACTOR. COORDINATE WITH HVAC CONTRACTOR FOR POWER REQUIREMENTS.
- 9. REFER TO MECHANICAL DRAWINGS FOR AVAILABLE SCHEMATIC WIRING DIAGRAMS OF EQUIPMENT.

B. CANADA

- 1. ALL CCTV CABLES TO BE CATSE TYPE AND WHITE IN COLOR. 5'-0" LOOP OF CABLE TO BE LEFT AT DVR AND 10'-0" LOOP OF CABLE TO BE LEFT AT EQUIPMENT LOCATION EN COILED UP IN CEILING.
- 2. ALL SECURITY/ADT CABLING TO BE 22/4 NON-SHIELDED FTG TYPE, NO CONDUIT REQUIRED IF RUN WITHIN THE PLENUM. 5'-0" LOOP OF CABLE TO BE LEFT AT THE CONTROL PANEL END AND 5'-0" TO BE LEFT AT THE EQUIPMENT LOCATION COILED IN CEILING.

SECTION 28009 - ENCLOSURES AND BOXES FOR ELECTRICAL SYSTEMS

- A. FURNISH AND INSTALL COMPLETE WIRED GROUNDING CONDUCTOR SYSTEM, #12 AWG MINIMUM, SIZED AND INSTALLED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES, THE LANDLORD'S TENANT CRITERIA, AS NOTED IN THE SPECIFICATIONS, AND AS INDICATED ON THE DRAWINGS.
- B. ALL CONDUITS, INCLUDING FLEXIBLE METAL CONDUIT, SHALL BE GROUNDED WITH A GREEN GROUNDING CONDUCTOR.
- C. GROUNDING CONNECTIONS MADE TO THE WATER PIPING SYSTEM SHALL BE COORDINATED WITH THE PLUMBING CONTRACTOR AND A BONDING JUMPER INSTALLED AROUND WATER METER PER CODES AND AS INDICATED ON DRAWINGS.
- D. ALL DEVICES SHALL BE BONDED TO THE CONDUIT SYSTEM. USE A BONDING JUMPER BETWEEN THE OUTLET BOX AND THE DEVICE GROUNDING TERMINAL. METAL-TO-METAL CONTACT BETWEEN THE DEVICE YOKE AND THE OUTLET BOX IS NOT ACCEPTABLE AS A BOND FOR EITHER SURFACE MOUNTED BOXES OR FLUSH TYPE BOXES. ALL JUNCTION BOXES, OUTLET BOXES, AND PULL BOXES SHALL BE BONDED TO THE CONDUIT SYSTEM.
- E. ALL ENCLOSURES AND NON-CURRENT CARRYING METAL PARTS ARE TO BE GROUNDING. CONDUIT SYSTEM IS TO BE ELECTRICALLY CONTINUOUS. ALL LOCKNUTS SHALL CUT THROUGH ENAMELED OR PAINTED SURFACES ON ENCLOSURES. WHERE ENCLOSURES AND NON-CURRENT CARRYING METAL PARTS ARE ISOLATED FROM THE CONDUIT SYSTEM, USE BONDING JUMPERS WITH APPROVED CLAMPS. ALL GROUND CLAMPS SHALL BE "PEN-IN-UNION" OR EQUAL, SIMILAR TO "DGI" TYPE.

SECTION 28022- RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS

- A. THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUITS SERVING ALL EQUIPMENT, INCLUDING BUT NOT LIMITED TO, LIGHTING, RECEPTACLES, HEATING, AIR CONDITIONING, PLUMBING EQUIPMENT, TELEPHONE, DATA, SPEAKERS, SECURITY, PAGER, TRAFFIC CONTROL SYSTEM AND ELECTRICAL EQUIPMENT.
- B. ALL CONDUITS SHALL BE GALVANIZED IMC OR EMT UNLESS OTHERWISE SPECIFIED IN SPECIFICATIONS OR ON DRAWINGS. ALL CONDUIT IS TO BE UL/ULC LABELED. EMT CONNECTORS SHALL BE STEEL COMPRESSION OR SET SCREW TYPE. CONDUIT UNDER SLAB ON GRADE SHALL BE RIGID STEEL, OR SCHEDULE 40 PVC WITH RIGID STEEL ELLS WHERE PERMITTED BY LANDLORD OR CODE.
- C. MINIMUM SIZE OF CONDUIT SHALL BE:
 - 1. MAIN FEEDER CONDUIT TO 2" OR LARGER FOR ALL APPLICATIONS.
 - 2. 1/2" MINIMUM FOR ALL LOCATIONS (IF ACCEPTABLE BY THE LANDLORD AND LOCAL CODE OFFICIALS), UNLESS NOTED OTHERWISE IN PLANS, SPECIFICATIONS, OR DRAWINGS.
 - 3. IF HVAC CONTROL WIRING IS REQUIRED TO BE RUN IN CONDUIT, IT SHALL BE A MINIMUM OF 3/4", UNLESS NOTED OTHERWISE ON DRAWINGS.
 - 4. ALL IN/UNDER FLOOR CONDUIT SHALL BE OF MINIMUM 3/4" SIZE.
 - 5. ALL FIRE ALARM CONDUIT SHALL BE OF MINIMUM 3/4" SIZE.
- D. SUPPORT ALL CONDUIT, INCLUDING SEISMIC AND SWAY BRACING, IN ACCORDANCE WITH THE LOCALLY ADAPTED CODES.
- E. GENERALLY, ALL CONDUIT SHALL BE CONCEALED EXCEPT FOR UNFINISHED AREAS, SUCH AS EQUIPMENT ROOMS. EXPOSED CONDUIT SHALL BE ALLOWED ONLY AS NOTED ON PLAN AND AS APPROVED BY BWMI'S PROJECT MANAGER. PAINTING OF CONDUITS, NOTED ON DRAWINGS OR SPECIFICATIONS WILL BE BY GENERAL CONTRACTOR.

- F. FLEXIBLE METAL CONDUIT, MC TYPE CABLE OR AC90(CANADA). PROVIDE RIGID CONDUIT FROM THE NON-SALES TO THE SALES ROOMS, ONCE IN THE SALES ROOMS, MC CABLE IS ACCEPTABLE IF INSTALLED IN A NEAT, WORKMANLIKE MANNER.

- 1. ADDITIONALLY, FLEXIBLE METAL CONDUIT, MC TYPE CABLE OR AC90(CANADA) SHALL BE USED FOR THE FOLLOWING APPLICATIONS:
 - a. FINAL CONNECTIONS TO MOTORS.
 - b. FINAL CONNECTIONS INTO AND OUT OF THE TRANSFORMER.
 - c. FINAL CONNECTIONS TO VIBRATING EQUIPMENT.
 - d. INTER-CONNECTIONS BETWEEN ALL RECESSED LIGHT FIXTURES AND JUNCTION BOXES.
 - e. FINAL CONNECTIONS WHERE RIGID CONDUIT IS NOT PRACTICAL.
 - f. IN WALLS (FOR LIGHT SWITCHES AND 120 VOLT POWER RECEPTACLES AND HVAC CONTROL EQUIPMENT).
- 2. FLEXIBLE METAL CONDUIT OR AC90 (CANADA) SHALL BE THE SAME SIZE AS THE IMC OR EMT CONDUIT TO WHICH IT IS CONNECTED. BOTH THE FLEXIBLE METAL CONDUIT, OR AC90 (CANADA) AND ITS FITTINGS ARE TO BE LISTED FOR GROUNDING, A GREEN GROUNDING CONDUCTOR SHALL BE INSTALLED. ALL CONNECTORS ARE TO BE OF A NEAT APPROVED TYPE.
- 3. LENGTH OF FLEXIBLE METAL CONDUIT, MC TYPE CABLE, OR AC90 (CANADA) IS ALLOWED TO EXCEED 6'-0" PER LINE F OF THIS SECTION.
- 4. THE USE OF ROMEX OR BX CABLE IS NOT PERMITTED.
- 5. CONNECTION TO ANY OUTDOOR EQUIPMENT SHALL BE MADE WITH LIQUIDTIGHT FLEXIBLE METAL CONDUIT OR AC90 (CANADA).
- H. PROVIDE PULL-WIRE IN ALL EMPTY CONDUITS EXCEPT AS NOTED OTHERWISE ON DRAWINGS.
- I. HOME RUNS AND MAIN CONDUIT RUNS ARE TO BE HELD TIGHT TO STRUCTURE ABOVE OR AS REQUIRED TO ALLOW PROPER SERVICE ACCESS AND OTHER TRADES WORK. CONDUIT SHALL BE TRAPEZOID TO ALLOW 3 FEET MINIMUM CLEARANCE ABOVE CEILING.
- J. ALL CONDUITS SHALL BE SIZED PER LOCALLY ADOPTED CODES.
- K. ALL SENSOMATRIC WIRING SHALL BE PLACED IN EMT, IMC, OR RMC CONDUIT. PVC IS NOT ALLOWED.
- L. ALL OUTLET BOXES SHALL BE GALVANIZED PRESSED STEEL OF THE STANDARD KNOCKOUT TYPE. NO ROUND OUTLET BOXES SHALL BE PERMITTED UNLESS INDICATED AND FOR LIGHTING THAT REQUIRE SUCH CONFIGURATION. CONCEALED BOXES SHALL NOT BE LESS THAN SINGLE GANG AND 1-1/2" DEEP, WITH PLASTER RINGS.
- M. ALL KNOCKOUT BOXES, UPON WHICH LIGHTING FIXTURES ARE TO BE INSTALLED, SHALL BE EQUIPPED WITH 3/8" FIXTURE STUDS.
- N. EXTERIOR BOXES SHALL BE CAST RUST-RESISTING METAL WITH GASKETED COVERS.
- O. INSTALL BOXES RIGIDLY FROM BUILDING STRUCTURE AND SUPPORT INDEPENDENTLY OF THE CONDUIT SYSTEM. ALSO PROVIDE SUITABLE BOX EXTENSIONS TO EXTEND BOXES TO FINISHED SURFACES OF FLOORS, CEILINGS, WALLS ETC. ALL OUTLET BOXES TO BE PROVIDED WITH CADDY "QUICK-MOUNT BOX SUPPORT" TO MINIMIZE THE DEFLECTION THAT OCCURS WHEN PLUGGING/UNPLUGGING INTO THESE DEVICES.
- P. UNLESS OTHERWISE NOTED ON DRAWINGS OR OTHERWISE REQUIRED BY THE NATIONAL ELECTRICAL CODE, ACCESSIBILITY CODES OR LOCAL CODES, OUTLET HEIGHTS SHALL BE AS FOLLOWS:
 - 1. SWITCH HEIGHT 42" FROM FINISHED FLOOR TO CENTERLINE OF OUTLET.
 - 2. CONVENIENCE OUTLETS:
 - a. SALES AREAS: MOUNTED ON THE WALL 15" AFF UNLESS INDICATED OR HORIZONTALLY MOUNTED IN BASEBOARD BENEATH CABINETS, AS SHOWN ON DRAWINGS, OR AS REQUIRED BY LOCAL CODES. SEE DRAWINGS.
 - b. NON-SALES AREA: 15" FROM FINISHED FLOOR TO CENTERLINE OF OUTLET.
 - 3. TELEPHONE OUTLETS SHALL BE LOCATED AS NOTED ON DRAWINGS.
 - Q. THE PLANS INDICATE ONLY SCHEMATIC ROUTINGS FOR CONDUIT RUNS. THIS CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL BOXES WHERE REQUIRED BY FIELD CONDITIONS OR LOCAL CODES.
 - R. BOXES AND COVERS SHALL BE GALVANIZED STEEL OF CODE GAUGE SIZE.
 - S. ARRANGE CIRCUITS TO AVOID THE USE OF JUNCTION BOXES IN INACCESSIBLE LOCATIONS. THE USE OF JUNCTION BOXES ABOVE DRYWALL CEILINGS SHOULD BE LIMITED TO LOCATIONS NEAR ACCESS FRAMES USED FOR DIFFUSERS AND RETURN AIR GRILLES OR ACCESS PANELS AS LOCATED ON PLANS.

SECTION 28009- IDENTIFICATION FOR ELECTRICAL SYSTEMS

- A. FOR ALL U.S. PROJECTS ALL WIRING SHALL BE COLOR-CODED AS FOLLOWS:
 - 1. 120/208 VOLT SYSTEM
 - a. NEUTRAL - WHITE
 - b. PHASE A OR L1 - BLACK
 - c. PHASE B OR L2 - RED
 - d. PHASE C OR L3 - BLUE
 - e. GROUND - GREEN
 - 2. 277/480 VOLT SYSTEM
 - a. NEUTRAL - GRAY
 - b. PHASE A OR L1 - BROWN
 - c. PHASE B OR L2 - ORANGE
 - d. PHASE C OR L3 - YELLOW
 - e. GROUND - GREEN
- B. JUNCTION AND PULL BOXES SHALL BE LABELED WITH CIRCUIT NUMBER IDENTIFICATION AND SYSTEM TYPE ON COVER.

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 - e. GROUND - GREEN
- B. JUNCTION AND PULL BOXES SHALL BE LABELED WITH CIRCUIT NUMBER IDENTIFICATION AND SYSTEM TYPE ON COVER.

SECTION 28009- LIGHTING CONTROL EQUIPMENT

- C. LIGHTING CONTROL PANEL WILL BE PROVIDED BY BWMI THROUGH CONTROL MANUFACTURER, MOUNTED IN IFS PANEL WITH CONDUIT, INSTALLED BY THE ELECTRICAL CONTRACTOR. THE CONTROL PANEL SHALL BE PROGRAMMED AND COMPLETE WHEN SHIPPED TO THE JOB SITE. THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE TO PULL ALL WIRES AS DETAILED ON THESE DRAWINGS AND CIRCUITED EXACTLY AS DIAGRAMMED ON THE ELECTRICAL PLAN DRAWINGS. NO VARIATIONS TO THE CIRCUITING ARE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL BY BWMI'S PROJECT MANAGER.
- D. DIMMING SYSTEM WILL BE PROVIDED BY THE ELECTRICAL CONTRACTOR, INSTALLED BY THE ELECTRICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR ALL WIRES AS DETAILED ON THESE DRAWINGS AND CIRCUIT EXACTLY AS DIAGRAMMED ON THE ELECTRICAL PLAN DRAWINGS. NO VARIATIONS TO THE CIRCUITING ARE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL BY BWMI'S PROJECT MANAGER.

SECTION 28022- DRY TYPE TRANSFORMERS

- A. TRANSFORMERS ARE GENERALLY INCLUDED IN THE IFS SWITCHGEAR. IF NOT, TRANSFORMER SHALL BE PAD MOUNTED OR SHALL BE SECURELY MOUNTED FROM THE BUILDING STRUCTURE, REINFORCED WALLS OR AS NOTED ON DRAWINGS. USE ADDITIONAL VIBRATION ISOLATORS AT POINTS OF MOUNTING TO CUT VIBRATION NOISES. USE FLEXIBLE METALLIC CONDUIT WITH GROUNDING BUSHING FOR PRIMARY AND SECONDARY CONNECTIONS TO TRANSFORMER. TRANSFORMERS SHALL BE LOCATED, SET, MOUNTED AND CONNECTED IN SUCH A MANNER AS TO KEEP NOISE LEVELS WITHIN THE SURROUNDING AMBIENT NOISE LEVELS AND MAINTAIN ALL CODE REQUIRED CLEARANCES.
- B. TRANSFORMER SHALL BE QUIET TYPE CONSTRUCTION AND HAVE SIX (6) 2-1/2X TAPS, TWO (2) TAPS ABOVE AND FOUR (4) TAPS BELOW NORMAL PRIMARY RATING.
- C. ALL DRY TYPE TRANSFORMERS PROVIDED SHALL MEET THE DOE 2016 EFFICIENCY REQUIREMENT.

SECTION 28040- PANELBOARDS

- A. ALL PANELBOARDS SHALL BE FACTORY ASSEMBLED OF THE BOLTED CIRCUIT BREAKER TYPE WITH SOLID COPPER BUSSING, FULL SIZED COPPER NEUTRAL, 100X GROUND BUSHING, AND OVERALL HINGED/LOCKABLE DOOR. ALL CIRCUIT BREAKERS SHALL BE OF THE QUICK-MAKE AND QUICK-BREAK DESIGN, THERMAL-MAGNETIC TYPE, TRIP FREE AND TRIP-INDICATING. ALL PANELS SHALL BE DEAD FRONT AND FLOOR OR SURFACE MOUNTED AS SHOWN.
- B. CONTRACTOR SHALL FURNISH AND INSTALL A TYPEWRITTEN DIRECTORY CARD OF THE CIRCUITS AND PLACE IN PANEL DOOR. THE DIRECTORY SHALL IDENTIFY THE SPECIFIC ROOM LOCATION FOR EACH CIRCUIT.
- C. ALL PANELBOARDS PHASE AMPERAGE SHALL BE BALANCED TO WITHIN 7 PERCENT MAX. TO MIN. REARRANGE NON-LIGHTING BRANCH CIRCUITS AS REQUIRED AND NOTE CHANGES ON RECORD DRAWINGS. LIGHTING PANEL CIRCUIT BREAKERS SHALL BE INSTALLED AND WIRED EXACTLY AS SHOWN ON DRAWINGS.
- D. IF LOOSE PANELBOARDS ARE USED, PANELBOARDS SHALL BE MOUNTED ON MINIMUM 3/4" A/O PLYWOOD AND PAINTED IN A COLOR TO MATCH THE SURROUNDING WALLS OR A COLOR AS REQUIRED BY LOCAL CODE. PLYWOOD SHALL EXTEND 1 FOOT MINIMUM BEYOND EDGE OF EQUIPMENT.
- E. PANELBOARDS SHALL HAVE A MINIMUM SHORT CIRCUIT CURRENT RATING AND LUG CONNECTIONS AS FOLLOWS:
 - 1. 120/208 VOLT PANELBOARDS: 10,000 A.I.C.
 - 2. 277/480 VOLT PANELBOARDS: 14,000 A.I.C.
 - 3. 347/600 VOLT PANELBOARDS: 14,000 A.I.C.
- F. VERIFY ACTUAL A.I.C. SHORT CIRCUIT CURRENT REQUIREMENTS WITH THE LANDLORD OR UTILITY COMPANY AND VERIFY SWITCHGEAR COMPLIANCE PRIOR TO INSTALLING EQUIPMENT. ALL LUG CONNECTIONS TO BE 75% RATED.
- F. IFS ENCLOSURE FURNISHED BY BWMI AND INSTALLED BY ELECTRICAL CONTRACTOR IS HEREIN DESCRIBED:
 - 1. UNIT WILL BE SHIPPED TO THE PROJECT IN MULTIPLE SECTIONS AND THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR OFF-LOADING OF EQUIPMENT, INSPECTION OF EQUIPMENT FOR DAMAGES, VERIFICATION OF EQUIPMENT RECEIVED, ENSURING THAT THE EQUIPMENT RECEIVED IS COMPLETE AND MEETS THE SCHEDULED PANELS FOR THE PROJECT, MOVING AND MOUNTING OF SECTIONS AS WELL AS REASSEMBLING OF SAME INTO ONE COMPLETE UNIT PER MANUFACTURER'S REQUIREMENTS.
 - 2. ELECTRICAL CONTRACTOR IS TO CONNECT ALL PROVIDED INTERCONNECTING CABLES BETWEEN SECTIONS AND TORQUE CONNECTIONS PER MANUFACTURER'S REQUIREMENTS. CONTRACTOR IS TO ANCHOR PANEL SYSTEM IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND LOCAL CODES IN SEISMIC ZONES.
 - 3. ELECTRICAL CONTRACTOR IS TO CONNECT LIGHTING BRANCH CIRCUITS TO APPROPRIATE LOAD TERMINALS OR PRC LIMITER PANEL PROVIDED WITHIN IFS ENCLOSURE PER LIGHTING ZONES INDICATED IN THE PANEL SCHEDULE (I.E. ZONE A, B, C, OR D) AND CURRENT LIMITING BREAKER SCHEDULE. LINE SIDE WIRING AND LIGHTING CONTROL WIRING WILL BE PREWIRED BY MANUFACTURER AT FACTORY. COORDINATE EXACT TERMINAL NUMBER FOR EACH CIRCUIT CONNECTION WITH MANUFACTURER'S DRAWINGS.
 - 4. ALL LIGHTING, RECEPTACLE AND MISCELLANEOUS BRANCH CIRCUITS NOT SPECIFIED AS BEING CONTROLLED, ARE TO BE WIRED DIRECTLY TO THE CORRESPONDING BRANCH BREAKER IN THE DESIGNATED PANEL.
 - 5. ALL CONNECTIONS WITHIN THE TELEPHONE/DATA SECTION AND HVAC CONTROL SECTION OF THE IFS ENCLOSURE ARE TO BE PERFORMED BY OTHERS.
 - 6. ELECTRICAL CONTRACTOR WILL ONLY BE RESPONSIBLE FOR INSTALLATION OF THE CONDUIT SYSTEM INTO THE LOW VOLTAGE SECTION OF THE IFS PANEL.
 - 7. PRC LIMITER PANEL IS COMPLIANT WITH CALIFORNIA TITLE 24, SEC. 130 C(3) AND ASHRAE.</

GENERAL NOTES

- ALL NOTES INCLUDED HEREIN ARE MADE PART OF EACH AND ALL MECHANICAL, ELECTRICAL AND PLUMBING SECTIONS OF WORK.
- REFER TO LANDLORD'S SPECIFICATIONS AND TENANT DESIGN CRITERIA FOR NECESSARY INFORMATION AND COORDINATION WITH OTHER TRADES.
- THE ABBREVIATION BBW WHEREVER IT APPEARS IN THE DRAWINGS, SHALL REFER TO "BATH & BODY WORKS, INC.", ANY REFERENCE TO TENANT, BRAND SPECIFIC (VICTORIA'S SECRET, ETC.) OR FURNISHED BY ANY OF THE ABOVE REFERS TO BBW.
- ANY DISCREPANCY BETWEEN BBW DRAWINGS AND TENANT CRITERIA, BBW DRAWINGS SHALL TAKE PRECEDENCE.
- THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT ALL INSTALLED ITEMS AND LOCATIONS ARE NOT EXACTLY PLACED AND ARE NOT TO BE SCALED.
- EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELATED PERMITS AND INSPECTION FEES.
- BEFORE COMMENCING ANY WORK, CONTRACTORS SHALL REVIEW THE LATEST NATIONAL, STATE AND LOCAL CODE REQUIREMENTS INCLUDING LANDLORD CRITERIA AND PERFORM THE WORK IN STRICT ACCORDANCE WITH THESE. IN CASE OF CONFLICT THE STRICTER REQUIREMENTS WILL PREVAIL.
- NO ADDITIONAL COMPENSATION SHALL BE MADE FOR ANY CHANGE ORDERS DUE TO CONTRACTOR'S FAILURE TO VISIT THE JOBSITE AND/OR PREDETERMINE ALL EXISTING CONDITIONS BEFORE SUBMITTING HIS BID.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO SUBMITTING A BID. FOR THE PURPOSE OF SURVEYING EXISTING CONDITIONS, WHICH MAY AFFECT THE WORK TO BE DONE UNDER THIS SECTION, ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE GENERAL CONTRACTOR, BBW OR THE LANDLORD'S FIELD REPRESENTATIVE FOR CLARIFICATION.
 - AFTER BID, ANY QUESTIONS RELATING TO SPECIFIC M, E, OR P ISSUES ARE TO BE DIRECTED AS RFT'S THROUGH THE BBW PROJECT MANAGER.
 - SHOULD THE SPACE HAVE BEEN INACCESSIBLE FOR INSPECTION CONTRACTOR MUST INDICATE SO ON HIS BID.
- THE GENERAL CONTRACTOR'S FIRE SPRINKLER SUBCONTRACTOR SHALL DESIGN AND INSTALL FIRE SPRINKLER SYSTEM CONFORMING TO LANDLORD'S CRITERIA, TENANT'S REQUIREMENTS AND PER LOCAL CODES AND NFPA STANDARDS.
- THE CONTRACTOR, WITHIN FIFTEEN (15) DAYS OF THE AWARD OF THE CONTRACT, SHALL SUBMIT TO THE OWNER, SIX (6) COPIES OF A COMPLETE LIST OF MATERIALS AND EQUIPMENT PROPOSED FOR THE JOB INCLUDING ALL DATA, PART NUMBERS, RATING CAPACITY, SIZE, DIMENSIONS, ELECTRICAL DATA, GRADE, MANUFACTURER, AND ANY OTHER DESCRIPTIVE DATA FOR ALL EQUIPMENT OR SYSTEMS THAT DEVIATE FROM SPECIFIED ITEMS. ANY DELAYS OR COSTS DUE TO THESE DEVIATIONS, WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL UNUSED OR ABANDONED MATERIALS AND EQUIPMENT, AND ITS REMOVAL OFF THE LANDLORD'S PREMISES.
- OWNER RESERVES THE RIGHT TO HAVE CONSTRUCTION REVIEWED BY AN OUTSIDE CONSULTANT PRIOR TO ACCEPTANCE OF THE PROJECT.
- EACH CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP RELATED TO HIS WORK FOR A MINIMUM PERIOD OF ONE YEAR FROM THE DATE WHICH THE OWNER ACCEPTS THE PROJECT. THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER OR TENANT SHALL CORRECT ANY DEFECTS IN MATERIALS OR WORKMANSHIP DURING THIS GUARANTEE PERIOD.
- EACH CONTRACTOR SHALL BE RESPONSIBLE AND ENSURE A CLEAN INSTALLATION ESPECIALLY IN EXPOSED CEILING AREAS. THE FINAL APPROVAL OF THIS WORK WILL BE ISSUED BY BBW PROJECT MANAGER.
- PROVIDE ONE SETS OF "AS-BUILT" DRAWINGS INTO PLAN TUBE AND ONE BOUND SETS OF ALL OPERATIONS MANUALS, DIAGRAMS, SERVICE CONTRACTS AND GUARANTEES IN BINDER TO STORE MANAGER. A REPORT PREPARED IN ACCORDANCE WITH MECHANICAL SPECIFICATIONS BY AN INDEPENDENT AIR BALANCE CONTRACTOR, HIRED BY GC, MUST BE INCLUDED IN THE CLOSE-OUT PACKAGE.

HVAC GENERAL NOTES

- THESE PLANS MAY BE USED FOR CONSTRUCTION ONLY AFTER APPROVAL IS OBTAINED FROM THE BUILDING DEPARTMENT MECHANICAL PLAN CHECK DIVISION AND THAT DIVISION'S STAMPED APPROVAL AND AUTHORIZED SIGNATURE APPEAR ON THE PLANS.
- COORDINATE ALL WORK WITH ALL TRADES INCLUDED BUT NOT LIMITED TO ELECTRICAL, PLUMBING, FIRE PROTECTION AND STRUCTURAL CONTRACTORS. INSTALL ALL WORK TO CLEAR NEW AND EXISTING ARCHITECTURAL AND STRUCTURAL MEMBERS. NO ITEM SUCH AS PIPE, DUCT, ETC. IS TO COME IN CONTACT WITH ANY EQUIPMENT.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE LOCATION.
- CONTRACTOR SHALL PROVIDE CUT SHEETS TO BBW FOR ALL EQUIPMENT AND DEVICES FURNISHED BY THE CONTRACTOR THAT DEVIATE FROM SPECIFIED ITEM FOR REVIEW AND APPROVAL PRIOR TO THE PURCHASE OF ANY SUCH EQUIPMENT OR DEVICES.
- HVAC CONTRACTOR IS RESPONSIBLE TO INQUIRE WITH THE LANDLORD'S REPRESENTATIVE ON ANY SMOKE EVACUATION SYSTEM IN USE AT THE MALL AT THE TIME OF THE BID. IF THE SAID SYSTEM IS NOT ADEQUATELY DESCRIBED ON THE DRAWINGS, THE MECHANICAL CONTRACTOR IS RESPONSIBLE TO INFORM THE GENERAL CONTRACTOR AND INCLUDE THE COST AS A SEPARATE LINE ITEM IN THE BID. NO ADDITIONAL MONIES SHALL BE AWARDED FOR THE IN-REQUIREMENTS TO A LANDLORD'S SMOKE EVACUATION SYSTEM THAT IS IN EXISTENCE AT THE TIME OF THE BID, WITHOUT HAVING IDENTIFIED A SEPARATE LINE ITEM FOR THE SMOKE EVACUATION SYSTEM AT THE TIME OF THE BID.
- ACCESS TO ALL COMPONENTS AND EQUIPMENT MUST BE PROVIDED TO MEET CODE AND SERVICE/MAINTENANCE EASE.
- PRIOR TO STARTUP OF HVAC EQUIPMENT, MECHANICAL CONTRACTOR WILL CONFIRM WITH ONE OF THE LISTED HVAC MANUFACTURER REPRESENTATIVES THAT CONTRACTOR POWER FOR EQUIPMENT HAS BEEN PROVIDED TO BBW PROVIDED HVAC UNITS HAS BEEN TURNED ON FOR A MINIMUM OF 24 HOURS. BBW RESERVES THE RIGHT TO CHECK CONSTRUCTION COMPLIANCE WITH PLANS AND SPECIFICATIONS. SHOULD THE OWNER FIND CORRECTIVE WORK TO BE NECESSARY, HE WILL NOTIFY CONTRACTOR OF SUCH WORK IN WRITING AND EXPECT COMPLIANCE PERFORMED WITH DUE DILIGENCE. IF ANY CORRECTIVE WORK IS DEEMED TO BE NECESSARY, THE COST OF REINSPECTIONS WILL BE BORNE BY THE CONTRACTOR. THE MECHANICAL CONTRACTOR WILL THEN ENSURE THAT THE EQUIPMENT IS POWERED FOR A MINIMUM OF 24 HRS BEFORE START-UP.
- IF WORK IS REQUIRED BY BBW IN ORDER TO IMPROVE, CHANGE OR CORRECT AIR CONDITIONING OPERATIONAL CONDITIONS DUE TO: PART MALFUNCTION, WARRANTY OR OTHER INABILITY TO PROVIDE THE COMFORT CONDITIONS REQUIRED BY THE STORE, CONTRACTOR SHALL BE DIRECTED BY BBW TO ADDRESS THIS WORK IN A TIMELY MANNER. IF IT BECOMES EVIDENT THAT THE CONTRACTOR CANNOT ACCOMPLISH THE TASK, THEN AFTER 72 HOURS OF WRITTEN NOTICE THE OWNER MAY, AT HIS DISCRETION, TAKE OVER SUCH WORK AND BACK CHARGE THE CONTRACTOR FOR ANY CORRECTIVE WORK THAT WAS REQUIRED DUE TO LACK OF PERFORMANCE, WORKMANSHIP AND/OR ADHERENCE TO PLANS AND SPECIFICATIONS.
- UPON COMPLETION OF THE WORK, CONTRACTOR SHALL VERIFY THE PROPER WORKING ORDER OF THE SYSTEM(S) AND MAKE ANY ADJUSTMENTS AS REQUIRED.
- PROVIDE FILTER CHANGES THROUGHOUT CONSTRUCTION AS REQUIRED FOR ALL HVAC EQUIPMENT. PROVIDE FILTER CHANGES AT LEAST TWICE MONTHLY ONCE STARTED, PRIOR TO TEST AND BALANCE, AND LASTLY, PRIOR TO MERCHANDISING. ANY EQUIPMENT OR DUCTWORK THAT BECOMES SOILED DUE TO A LACK OF FILTER CHANGES, AS DETERMINED SOLELY BY THE BBW PROJECT MANAGER, SHALL BE CORRECTED ON BEHALF OF THE CONTRACTOR AND CHARGES BILLED TO THE CONTRACTOR.
- NOTES TO EQUIPMENT SCHEDULES USE THE WORDS "FURNISH" AND "PROVIDE", WHERE THE WORD "FURNISH" IS USED, SOME FIELD INSTALLATION IS REQUIRED BY THE CONTRACTOR. WHERE THE WORD "PROVIDE" IS USED, NO FIELD INSTALLATION IS REQUIRED AS THE DEVICES OR ACCESSORIES ARE FURNISHED AND INSTALLED BY THE MANUFACTURER AS PART OF THE EQUIPMENT WHEN SHIPPED.
- UNLESS OTHERWISE SPECIFIED, CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, MATERIAL, LABOR AND SUPERVISION NECESSARY TO COMPLETE THE HEATING, VENTILATING AND AIR CONDITIONING WORK IN ACCORDANCE WITH THE SPECIFICATIONS AND STANDARDS AS OUTLINED HEREIN. SEE RESPONSIBILITY SCHEDULE ON SHEET M04.01.
- MECHANICAL CONTRACTOR SHALL FIELD MEASURE EXISTING ROOF CURB(S) FOR CURB ADAPTER(S), WHERE APPLICABLE, AND SHALL SUPPLY DIMENSIONS TO BBW HVAC SUPPLIER PRIOR TO START OF CONSTRUCTION.
- ALL HEATING VENTILATING AND AIR CONDITIONING EQUIPMENT SHALL BE CLEARLY IDENTIFIED WITH TENANT'S NAME, SPACE NUMBER AND UNIT DESIGNATION AND SHALL BE STENCILED IN 4" HIGH BLACK LETTERS.
- FURNISH AND INSTALL ALL NEW DUCTWORK INCLUDING INSTALLATION OF OWNER SUPPLIED ITEMS.
 - ALL MATERIAL SHALL BE NEW AND OF COMMERCIAL GRADE AND BEAR UNDERWRITER'S LABORATORY AND UNION LABELS WHERE SUCH LABELING APPLIES.
 - ALL PLENUMS SHALL BE FABRICATED FROM GALVANIZED SHEET METAL OF THE APPROPRIATE GAUGE AND BE INSULATED WITH A MINIMUM OF 1" THICK, 0.75 LB/CU.FT. DENSITY FIBERGLASS INSULATION WITH ALUMINUM FOIL BACKED VAPOR BARRIER.
 - WHERE DESIGNATED, BRANCHES FROM MAIN LOW VELOCITY TRUNK DUCTWORK SHALL BE FURNISHED WITH SPLITTERS, DAMPERS OR SIMILAR BALANCING DEVICES IN ACCORDANCE WITH THE STANDARDS OF SMACNA.
 - ALL DUCTS FOR FINAL CONNECTION TO DIFFUSERS SHALL BE CLASS 1, UL LISTED (SL 181) FLEXIBLE AIR DUCT NOT TO EXCEED 4'-0" IN LENGTH (THERMAFLEX, GLASFLEX, OR APPROVED EQUAL).
 - RECTANGULAR SUPPLY AND RETURN AIR DUCTS - PLENUM OR DUCTED RETURN AIR SYSTEM: DUCT SIZES SHOWN ON DRAWINGS ARE INSIDE CLEAR DIMENSIONS. ALL RECTANGULAR DUCTWORK (SUPPLY AND RETURN) SHALL BE EXTERNALLY INSULATED PER SPECIFICATIONS.
 - HANGER WIRES, DUCT STRAPS, FASTENING DEVICES, ETC. SHALL BE FASTENED TO THE STEEL JOISTS AND/OR BEAMS ABOVE. DO NOT ATTACH ANY SUCH ITEMS DIRECTLY TO FLOOR SLABS, PIPING, OTHER DUCTWORK, ELECTRICAL CONDUITS OR THE ROOF DECK ABOVE.
 - ADDITIONAL FIRE DAMPERS SHOULD BE INSTALLED AS REQUIRED BY ANY APPLICABLE CODES AND/OR JURISDICTIONAL AUTHORITIES.
- SEAL AROUND PIPES AND DUCTS PENETRATING FIRE SEPARATIONS WITH LISTED AND APPROVED FIRE SEAL MATERIAL. ONLY LISTED AND APPROVED SEALANTS AND METHODS FOR THE SPECIFIC USE WILL BE PERMITTED.
- MECHANICAL CONTRACTOR SHALL INSTALL TEMPERATURE SENSORS AND AS SHOWN ON THE PLAN (VERIFY LOCAL CODES. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT BBW PROJECT MANAGER FOR DIRECTION.)
- UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL FULLY PRESSURE CHECK AND CHARGE ALL REFRIGERANT SYSTEMS (IF REQUIRED).
- THE CONTRACTOR SHALL ENGAGE THE SERVICES OF AIR/WATER BALANCING COMPANY THAT IS PROVIDED BY LDS&C. THIS COMPANY SHALL PERFORM THE BALANCING OF AIR/WATER SYSTEM(S) AND MAKE ANY REQUIRED ADJUSTMENTS TO ENSURE PROPER WORKING ORDER. UPON COMPLETION, THE BALANCING COMPANY SHALL PROVIDE A COMPLETE SYSTEM REPORT.

ABBREVIATIONS - MECHANICAL			
AB&C	AMERICAN AIR BALANCE COUNCIL	FFM	FEET PER MINUTE
AFC	ABOVE FINISH FLOOR	FPS	FEET PER SECOND
AHU	AIR HANDLING UNIT	FV	FACE VELOCITY
APD	AIR PRESSURE DROP	OD	OUTSIDE DIAMETER OR DIAMETER OPENING
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS	GAL	GALLONS
		GC	GENERAL CONTRACTOR
		GM	GALLONS PER MINUTE
BDD	BACK DRAFT DAMPERS	P	PUMP
BHP	BRAKE HORSEPOWER	PD	PRESSURE DROP
BLDG	BUILDING	PLBG	PLUMBING
BOD	BOTTOM OF DUCT	PSI	POUNDS PER SQUARE INCH
BOP	BOTTOM OF PIPE	RA	RETURN AIR
BTUH	BRITISH THERMAL UNIT PER HOUR	RG	RETURN GRILLE
BBW	BATH & BODY WORKS, INC.	RH	RELATIVE HUMIDITY
		RPM	REVOLUTIONS PER MINUTE
		HWS	HOT WATER SUPPLY
CAP	CAPACITY	SA	SUPPLY AIR
CD	CEILING DIFFUSER OR CONDENSATE DRAIN	SENS	SENSIBLE
CFM	CUBIC FEET PER MINUTE	SF	SQUARE FEET
CHWR	CHILLED WATER RETURN	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
CHWS	CHILLED WATER SUPPLY	SP	STATIC PRESSURE
CO2	CARBON DIOXIDE	SQ	SQUARE
CONTR	CONTRACTOR	SQ FT	SQUARE FEET
COP	COEFFICIENT OF PERFORMANCE	SS	STAINLESS STEEL
CWR	CONDENSER WATER RETURN	LF	LINEAR FEET
CWS	CONDENSER WATER SUPPLY	LWT	LEAVING WATER TEMPERATURE
DB	DRY BULB DECEBEL	TEMP	TEMPERATURE
DEG	DEGREE	TSP	TOTAL STATIC PRESSURE
DIA	DIAMETER	TSTAT	THERMOSTAT
DWG	DRAWING	TYP	TYPICAL
DX	DIRECT EXPANSION	UC	UNDERCUT
EA	EXHAUST AIR	UH	UNIT HEATER
EAG	ENTERING AIR GRILLE	UN	UNLESS OTHERWISE NOTED
EAT	ENTERING AIR TEMPERATURE	VAR	VARIABLE
EC	ELECTRICAL CONTRACTOR	VAV	VARIABLE AIR VOLUME
EER	ENERGY EFFICIENCY RATIO	VENT	VENTILATION, VENTILATOR
EFF	EFFICIENCY	VFD	VARIABLE FREQUENCY DRIVE
EOD	ELECTRICALLY OPERATED DAMPER	VTR	VENT THRU ROOF
ESP	EXTERNAL STATIC PRESSURE	W	WATT
EWT	ENTERING WATER TEMPERATURE	N.C.	NORMALLY CLOSED
		N.I.C.	NOT IN CONTACT
		N.O.	NORMALLY OPEN
		WD	WATER GAUGE
		WPD	WATER PRESSURE DROP
		WT	WEIGHT
FCU	FAN COOL UNIT	NTS	NOT TO SCALE
FLA	FULL LOAD AMPS		
FLEX	FLEXIBLE		

	SUPPLY AIR DIFFUSER		MANUAL VOLUME DAMPER
	RETURN AIR GRILLE		COMBINATION FIRE/SMOKE DAMPER
	ACCESS PANEL		FIRE DAMPER
	EXHAUST AIR REGISTER		AUTOMATIC BACKDRAFT DAMPER
	LINEAR DIFFUSER S=SUPPLY, R=RETURN		ELECTRICALLY OPERATED DAMPER
	NEW DUCTWORK		UNDERCUT DOOR
	EXISTING DUCTWORK TO REMAIN		CARBON DIOXIDE SENSOR
	EXISTING DUCTWORK TO BE REMOVED		HUMIDISTAT
	FLEXIBLE AIR DUCT 4'-0" MAX.		TEMPERATURE SENSOR
	NOTE: (N)=NEW, (R)=RELOCATED, (E)=EXISTING		THERMOSTAT
			TEMPERATURE/HUMIDITY SENSOR
			DUCT SMOKE DETECTOR
			POINT OF CONNECTION

ROOFTOP HEAT PUMP SCHEDULE

MARK (HP-#)	2	
MODEL / (EER/SEER)	WHC04BH / (16.5)	WHC092H / 15.5
AIR FLOW (CFM)	1,600	3,000
OA FLOW / MIN. OA FLOW (CFM)*	430 / 220	480 / 245
AMBIENT OAT (F)	95	95
EXT. S.P. (IN. W.C.)	1.0	1.0
DX COOLING COIL		
EAT (FDB/WB)	80.0 / 67.0	80.0 / 67.0
GROSS TOTAL (BTU/HR)	48,800	96,200
GROSS SENSIBLE CAPACITY (BTU/HR)	39,100	74,700
HEAT PUMP HEATING		
OUTPUT @ 17F	23,360	50,400
OUTPUT @ DESIGN (18F)	23,970	55,512
OUTPUT @ 47F	42,020	84,300
COP @ 47F	3.60	3.50
AUXILIARY ELECTRIC HEAT		
INPUT (WATTS)	17,400	27,000
OUTPUT (BTU/HR)	59,371	92,127
STAGES	2	2
ELECTRICAL		
VOLTS/Ø/HZ	480/3/60	480/3/60
MOTOR (HP)	1	2.75
MCA (AMPS)	40	61
MCCP (AMPS)	40	70
APPROX. WEIGHT (LBS)	1,093	1,252
ACCESSORIES	1,3-10,12-14	1,3-10,12-14
NOTES	1-2	1-2

ACCESSORIES ("S" INDICATES STANDARD; "O" INDICATES OPTIONAL):

- S-FACTORY PROVIDED DISCONNECT SWITCH.
- S-FACTORY PROVIDED DUCT-SMOKE-DETECTOR-IN-RETURN-AIR-AND-REMOTE-TEST-STATION. (MODEL-55K45+)
- S-FACTORY PROVIDED SUPPLY AIR SENSOR.
- S-FACTORY PROVIDED COMP. EXTH. ECONOMIZER AND HOOD WITH BIRDSCREEN. SOME FIELD ASSEMBLY REQUIRED.
- S-FACTORY PROVIDED NON-POWERED GFI CONVENIENCE OUTLET.
- S-FACTORY PROVIDED CONDENSATE OVERFLOW SWITCH.
- O-FACTORY PROVIDED POWER EXHAUST FOR RELIEF AIR. SOME FIELD ASSEMBLY REQUIRED.
- O-FACTORY PROVIDED COASTAL CONDENSER COIL AND EVAPORATOR COIL COATING.
- O-FACTORY HALL GUARD.
- O-FURNISHED WITH 14" HIGH FACTORY FABRICATED SEISMIC ROOF CURB.
- O-CURB-ADAPTER-PROVIDED-BY-MECHANICAL-CONTRACTOR.
- O-SINGLE ZONE VAV.
- O-FACTORY PROVIDED LOW LEAK DAMPERS.
- O-FACTORY PROVIDED ECONOMIZER FAULT DETECTION.

NOTES:

- REFER TO CONTROL WIRING SCHEMATICS FOR ANY FIELD INSTALLED CONTROL DEVICES NOT FACTORY INSTALLED.
- FIELD SET MINIMUM OUTSIDE AIR AS SPECIFIED ABOVE. OUTSIDE AIR DAMPER SHALL FULLY CLOSE ON UNIT SHUTDOWN.

* MINIMUM OA FLOW IS THE AREA COMPONENT OF THE MINIMUM VENTILATION RATE BASED ON ASHRAE STANDARD 62.1-2013 FOR RETAIL SALES SPACE (0.12 CFM/SQFT), TABLE-1.

AIR HANDLING UNIT SCHEDULE (SPLIT DX)

MARK (AHU-#)	1	
MODEL	TEMA602AH21	602
AIR FLOW (CFM)	90	90
OA FLOW / MIN. OA FLOW (CFM)*	90 / 50	
EXT. SP. (IN. W.C.)	1.0	
DX COOLING COIL		
EAT (FDB/WB)	80.0 / 67.0	
GROSS TOTAL (BTU/HR)	19,003	
GROSS SENSIBLE (BTU/HR)	13,716	
ELECTRIC HEAT		
INPUT (WATTS)	5,700	
OUTPUT (BTU/HR)	19,449	
STAGES	1	
ELECTRICAL		
VOLTS/Ø/HZ	208/1/60	
MOTOR (HP)	1/3	
MCA (AMPS)	38	
MCCP (AMPS)	40	
APPROX. WEIGHT (LBS)	167	
ACCESSORIES	1,2,4-8,10-16	
NOTES		

ACCESSORIES ("S" INDICATES STANDARD; "O" INDICATES OPTIONAL):

- S-COMBINATION FAN CONTACTOR/DISCONNECT SWITCH (IN HEATER CONTROL CABINET WHERE APPLICABLE).
- S-FACTORY PROVIDED 1" MATT INSULATION.
- S-FACTORY-FURNISHED-WIRING-BOX-WITH-ACTUATOR-AND-0-10-VOLT-ADAPTER.
- S-FACTORY FURNISHED INTERNAL VIBRATION ISOLATORS.
- S-FACTORY FURNISHED FAN PROOVING SWITCH.
- S-FACTORY PROVIDED CONDENSATE FAN OVERFLOW SWITCH.
- S-FACTORY FURNISHED THERMAL EXPANSION VALVE.
- S-FOUR ROW DX COIL.
- O-TWO-ROW-HOT-WATER-COIL.
- O-FACTORY PROVIDED ELECTRIC HEATER WITH SINGLE POINT CONNECTION (REHEAT POSITION).
- O-FACTORY FURNISHED SECONDARY CONDENSATE PAN OVERFLOW SWITCH.
- O-FACTORY PROVIDED COASTAL EVAPORATOR COIL COATING.
- S-FACTORY SUPPLIED/CONTRACTOR INSTALLED CONTROLLER ENCLOSURE.
- S-FACTORY SUPPLIED/CONTRACTOR INSTALLED RETURN AIR TEMPERATURE SENSORS.
- S-FACTORY SUPPLIED/CONTRACTOR INSTALLED RELAYS (FAN ENABLE, COOLING ENABLE, AND HEATING ENABLE).
- S-FACTORY SUPPLIED/CONTRACTOR INSTALLED CURRENT SWITCHES (FAN STATUS, COOLING STATUS, AND HEATING STATUS).

NOTES:

- REFER TO CONTROL WIRING SCHEMATICS FOR ANY FIELD INSTALLED CONTROL DEVICES NOT FACTORY INSTALLED.

* MINIMUM OA FLOW IS THE AREA COMPONENT OF THE MINIMUM VENTILATION RATE BASED ON ASHRAE STANDARD 62.1-2013 FOR RETAIL SALES SPACE (0.12 CFM/SQFT), TABLE-1.

CONDENSING UNIT SCHEDULE

MARK (CU-#)	1	
MODEL / SEER (EER)	4TTR018J1/17.0	
AMBIENT OA TEMP (DEG F DB)	95	
TOTAL CAPACITY (BTU/HR)	19,003	
PHYSICAL DATA		
NO. OF FANS	1	
NO. OF COMP.	1	
ELECTRICAL		
VOLTS/Ø/HZ	208/1/60	
MCA (AMPS)	12	
MCCP (AMPS)	20	
APPROX. WEIGHT (LBS)	161	
ACCESSORIES	1-7	
ACCESSORIES ("S" INDICATES STANDARD; "O" INDICATES OPTIONAL):		

ACCESSORIES ("S" INDICATES STANDARD; "O" INDICATES OPTIONAL):

- S-FACTORY FURNISHED TRANSFORMER FOR FIELD APPLIED CONTROLS.
- S-PROVIDE DUAL COMPRESSORS WITH DUAL CIRCUITS FOR ALL UNITS 6 TONS & ABOVE.
- S-FACTORY PROVIDED 5 MINUTE DELAY OFF TIMING ON COMPRESSOR RESTART.
- S-FACTORY FURNISHED LOW AMBIENT CONTROL.
- S-FACTORY PROVIDED HIGH AND LOW PRESSURE SWITCHES.
- S-FACTORY HALL GUARD.
- O-FACTORY PROVIDED COASTAL CONDENSER COIL COATING.

EXHAUST AND VENTILATION FAN SCHEDULE

MARK (EF-#)	1	
MANUFACTURER	COOK	
MODEL	GC-148	
TYPE	CEILING FAN	
DRIVE TYPE	DIRECT	
PERFORMANCE		
AIR FLOW (CFM)	120	
EXT. STATIC (IN. W.C.)	0.35	
FAN SPEED (RPM)	1,075	
ELECTRICAL		
VOLTS/Ø/HZ	120/1/60	
FAN MOTOR WATTS	43.9	
APPROX. WEIGHT (LBS)	15	
SERVES	RESTROOM	
ACCESSORIES	1,2	
NOTES	1,3	
ACCESSORIES ("S" INDICATES STANDARD; "O" INDICATES OPTIONAL):		

ACCESSORIES ("S" INDICATES STANDARD; "O" INDICATES OPTIONAL):

- S-BACKDRAFT DAMPER
- S-DISCONNECT PLUG
- S-SPEED CONTROLLER.

NOTES:

- INTERLOCK WITH LIGHTS.
- DISCONNECT SWITCH PROVIDED BY EC.
- NO SUBSTITUTIONS

GRILLE, REGISTER, AND DIFFUSER SCHEDULE

MARK	SD-1	SD-2	SD-3	SD-4	SD-5
MANUFACTURER	TITUS	TITUS	TITUS	TITUS	TITUS
MODEL	DMN	DMN 12-WAY	OMN (3-WAY)	300RS	3MSR
NECK SIZE (L"XW")	SEE PLAN	8"	8"	8"	8"
FRAME SIZE (L"XW")	24"X24"	12"X12"	12"X12"	10"X8"	24"X24"
FRAME TYPE	LAY-IN	LAY-IN	LAY-IN	SURFACE	LAY-IN
FINISH*	PRIMER	PRIMER	TITUS #26	TITUS #26	TITUS #26
NOISE CRITERIA LEVEL	<30	<30	<30	<30	<30
ACCESSORIES	1,3	2,3	4,5,6	1	1
NOTES					

ACCESSORIES ("S" INDICATES STANDARD; "O" INDICATES OPTIONAL):

- OBD-OPOSED BLADE DAMPER.
- LOD-LOOKING QUADRANT VOLUME DAMPER (PROVIDED BY MECHANICAL CONTRACTOR). SEE MECHANICAL SPECIFICATIONS SECTION 233300.1.
- CFD-RUSKN MODEL CFD OR CFRD FIRE DAMPER WITH VOLUME CONTROL.
- YRD-YOUNG'S REGULATOR REMOTE DAMPER WITH CABLE CONTROL SYSTEM (MODEL 5020-CC) (PROVIDED BY MECHANICAL CONTRACTOR).
- TRM-RAPID MOUNT FRAME FOR GYPSUM CEILING.
- DIRECTIONAL BLOW CLIP MODEL DB.

NOTES:

- 4-WAY DIFFUSER (UNLESS 1-WAY, 2-WAY OR 3-WAY AS INDICATED ON PLAN).
- INSTALL BLADES FACING THE BACK OF STORE, CABINET OR WALL.
- GC TO FIELD PAINT DIFFUSERS TO MATCH CEILING OR WALL WITH ENAMEL FINISH.
- MC SHALL PROVIDE SQUARE TO ROUND ADAPTOR.

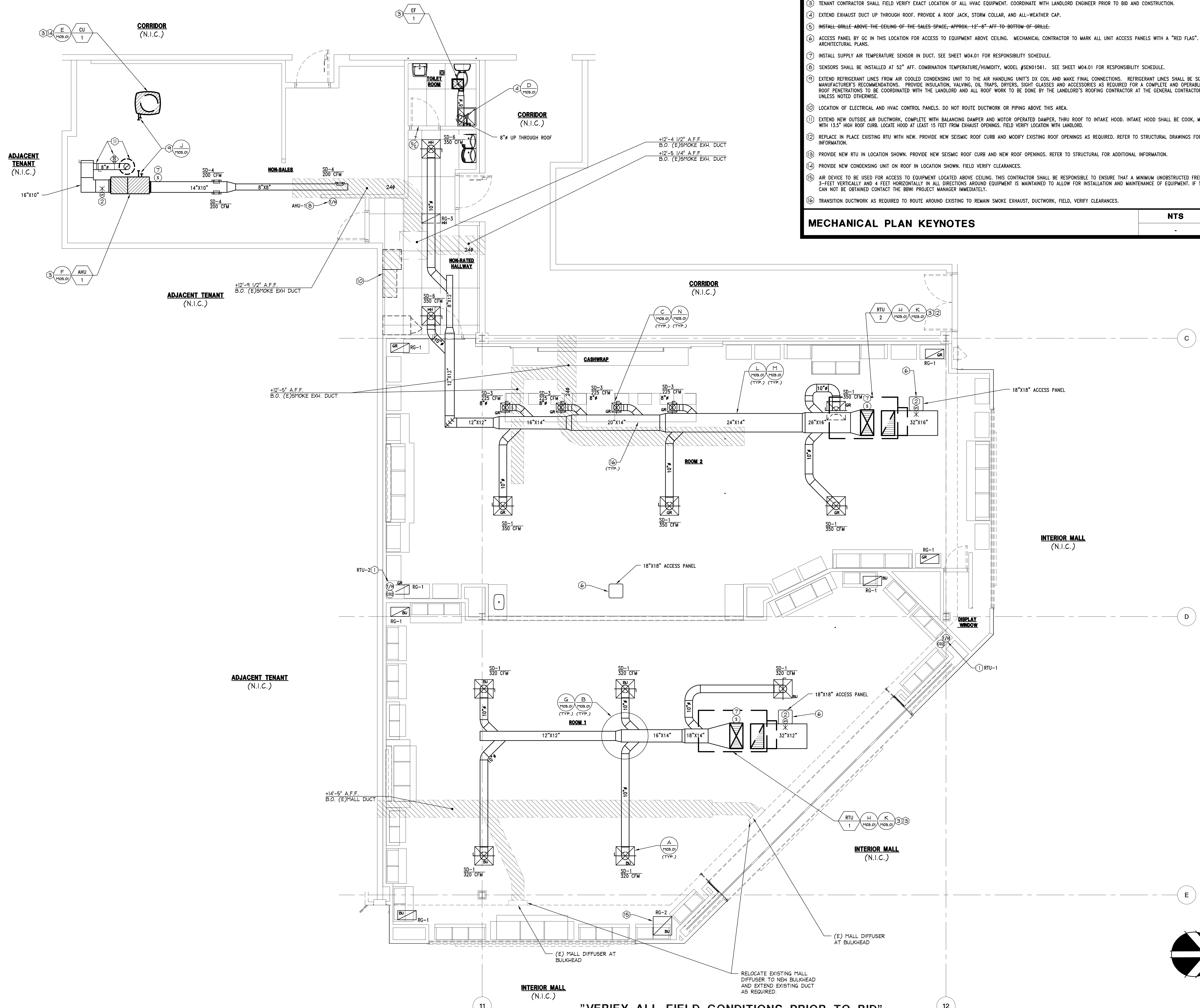
* FINISH REFERENCE: TITUS #26 IS WHITE; TITUS #84 IS BLACK

GRILLE, REGISTER, AND DIFFUSER SCHEDULE

MARK	SD-6	SD-7	SD-8	SD-9	SD-10
MANUFACTURER	TITUS	TITUS	TITUS	TITUS	TITUS
MODEL	TMSA	DMN	DMN 12-WAY	355RL	355RL
NECK SIZE (L"XW")	SEE PLAN	SEE PLAN	SEE PLAN	22"X10"	22"X10"
FRAME SIZE (L"XW")	24"X24"	24"X24"	24"X24"	24"X24"	24"X24"
FRAME TYPE	LAY-IN	LAY-IN	LAY-IN	SURFACE	SURFACE
FINISH*	TITUS #26	TITUS #26	TITUS #26	TITUS #26	TITUS #26
NOISE CRITERIA LEVEL	<30	<30	<30	<30	<30
ACCESSORIES	2	2	2	2	2
NOTES					

ACCESSORIES ("S" INDICATES STANDARD; "O" INDICATES OPTIONAL):

- OBD-OPOSED BLADE DAMPER.
- LOD-LOOKING QUADRANT VOLUME DAMPER (PROVIDED BY MECHANICAL CONTRACTOR). SEE MECHANICAL SPECIFICATIONS SECTION 233300.1.
- CFD-RUSKN MODEL CFD OR CFRD FIRE DAMPER WITH VOLUME CONTROL.
- YRD-YOUNG'S REGULATOR REMOTE DAMPER WITH CABLE CONTROL SYSTEM (MODEL 5020-CC) (PROVIDED BY MECHANICAL CONTRACTOR).
- TRM-RAPID MOUNT FRAME FOR GYPSUM CEILING.
- DIRECTIONAL BLOW CLIP MODEL DB.
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- ① SENSORS SHALL BE INSTALLED AT 52" AFF. AND NO MORE THAN 18" MAX. FROM CORNER. COMBINATION TEMPERATURE/HUMIDITY, MODEL #SEN01561 AND CARBON DIOXIDE SENSORS. SEE SHEET M04.01 FOR RESPONSIBILITY SCHEDULE AND E04.02 FOR MOUNTING DETAILS OF SALES FLOOR LOCATIONS.
- ② INSTALL RETURN AIR SMOKE DETECTOR IN DUCT. INTERLOCK TO SHUT DOWN UNIT ON SIGNAL FROM FIRE ALARM SYSTEM. SEE SHEET M04.01 FOR RESPONSIBILITY SCHEDULE.
- ③ TENANT CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL HVAC EQUIPMENT. COORDINATE WITH LANDLORD ENGINEER PRIOR TO BID AND CONSTRUCTION.
- ④ EXTEND EXHAUST DUCT UP THROUGH ROOF. PROVIDE A ROOF JACK, STORM COLLAR, AND ALL-WEATHER CAP.
- ⑤ INSTALL GRILLE ABOVE THE CEILING OF THE SALES SPACE, APPROX. 12"-8" AFF TO BOTTOM OF GRILLE.
- ⑥ ACCESS PANEL BY GC IN THIS LOCATION FOR ACCESS TO EQUIPMENT ABOVE CEILING. MECHANICAL CONTRACTOR TO MARK ALL UNIT ACCESS PANELS WITH A "RED FLAG". REFER TO ARCHITECTURAL PLANS.
- ⑦ INSTALL SUPPLY AIR TEMPERATURE SENSOR IN DUCT. SEE SHEET M04.01 FOR RESPONSIBILITY SCHEDULE.
- ⑧ SENSORS SHALL BE INSTALLED AT 52" AFF. COMBINATION TEMPERATURE/HUMIDITY, MODEL #SEN01561. SEE SHEET M04.01 FOR RESPONSIBILITY SCHEDULE.
- ⑨ EXTEND REFRIGERANT LINES FROM AIR COOLED CONDENSING UNIT TO THE AIR HANDLING UNIT'S DX COIL AND MAKE FINAL CONNECTIONS. REFRIGERANT LINES SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE INSULATION, VALVING, OIL TRAPS, DRYERS, SIGHT GLASSES AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM. ROOF PENETRATIONS TO BE COORDINATED WITH THE LANDLORD AND ALL ROOF WORK TO BE DONE BY THE LANDLORD'S ROOFING CONTRACTOR AT THE GENERAL CONTRACTOR'S EXPENSE UNLESS NOTED OTHERWISE.
- ⑩ LOCATION OF ELECTRICAL AND HVAC CONTROL PANELS. DO NOT ROUTE DUCTWORK OR PIPING ABOVE THIS AREA.
- ⑪ EXTEND NEW OUTSIDE AIR DUCTWORK. COMPLETE WITH BALANCING DAMPER AND MOTOR OPERATED DAMPER, THRU ROOF TO INTAKE HOOD. INTAKE HOOD SHALL BE COOK, MODEL PR, SIZE 8, WITH 13.5" HIGH ROOF CURB. LOCATE HOOD AT LEAST 15 FEET FROM EXHAUST OPENINGS. FIELD VERIFY LOCATION WITH LANDLORD.
- ⑫ REPLACE IN PLACE EXISTING RTU WITH NEW. PROVIDE NEW SEISMIC ROOF CURB AND MODIFY EXISTING ROOF OPENINGS AS REQUIRED. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- ⑬ PROVIDE NEW RTU IN LOCATION SHOWN. PROVIDE NEW SEISMIC ROOF CURB AND NEW ROOF OPENINGS. REFER TO STRUCTURAL FOR ADDITIONAL INFORMATION.
- ⑭ PROVIDE NEW CONDENSING UNIT ON ROOF IN LOCATION SHOWN. FIELD VERIFY CLEARANCES.
- ⑮ AIR DEVICE TO BE USED FOR ACCESS TO EQUIPMENT LOCATED ABOVE CEILING. THIS CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT A MINIMUM UNOBSTRUCTED FREE AREA OF 3-FEET VERTICALLY AND 4 FEET HORIZONTALLY IN ALL DIRECTIONS AROUND EQUIPMENT IS MAINTAINED TO ALLOW FOR INSTALLATION AND MAINTENANCE OF EQUIPMENT. IF THIS FREE AREA CAN NOT BE OBTAINED CONTACT THE BBW PROJECT MANAGER IMMEDIATELY.
- ⑯ TRANSITION DUCTWORK AS REQUIRED TO ROUTE AROUND EXISTING TO REMAIN SMOKE EXHAUST, DUCTWORK, FIELD, VERIFY CLEARANCES.

MECHANICAL PLAN KEYNOTES

NTS **D**
09/20/19

TBA
Thorson • Baker + Associates
CONSULTING ENGINEERS
3030 West Streetsboro Road (330) 656-6688 PA
Richfield, Ohio 44286 (330) 656-6675 FAX

Bath & Body Works
Three Limited Parkway - Columbus, Ohio 43230
Telephone: 614.415.7000 • Fax: 614.415.7349

THESE DRAWINGS AND SPECIFICATIONS ARE PREPARED FOR USE ON A SPECIFIC SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION AND CONDITIONS AT THE PROJECT SITE AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES.

PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERRILL STREET
POTTSVILLE, PA 19873

REVISIONS:

REQUIRED BY: _____ DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____

SCOPE: FULL REMODEL
PACKAGE: ES/WBC 2021
GENERATION: 00116082
A/E PROJECT #: 20221012.0

DATE ISSUED: 11/04/2022
DESIGNED BY: MAR
DRAWN BY: TBA
CHECKED BY: NJK

MECHANICAL PLAN

DRAWING NUMBER:
M02.01

"VERIFY ALL FIELD CONDITIONS PRIOR TO BID"

SECTION 23000: BASIC MECHANICAL REQUIREMENTS

- A. NOTE
1. THE APPLICABLE BMM WHEREVER IT APPEARS IN THESE MECHANICAL DRAWINGS AND/OR SPECIFICATIONS SHALL REFER TO "BATH & BODY WORKS, INC." ANY REFERENCE TO TENANT'S PROJECT MANAGER OR FURNISHED BY ANY OF THE ABOVE REFERS TO BMM.
2. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND ALL OTHER SPECIFICATION SECTIONS, APPLY TO THIS AND THE OTHER SECTIONS OF DIVISION 15.
3. THE CONTRACTOR FOR THIS DIVISION OF WORK IS REQUIRED TO READ THE SPECIFICATIONS AND REVIEW DRAWINGS FOR ALL DIVISIONS OF WORK AND IS RESPONSIBLE FOR THE COORDINATION OF THIS WORK AND THE WORK OF HIS SUBCONTRACTORS WITH ALL DIVISIONS OF WORK. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO PROVIDE HIS SUBCONTRACTORS WITH A COMPLETE SET OF BID DOCUMENTS.
4. THIS CONTRACTOR IS RESPONSIBLE FOR SCHEDULING THE COMPLETION AND INSPECTION OF THIS WORK TO COMPLY WITH THE BMM SCHEDULE AND THE PROJECT COMPLETION DATE.
5. THIS CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTAL OF BID TO DETERMINE CONDITIONS AFFECTING THE WORK, ANY ITEMS WHICH ARE NOT COVERED IN THE BID DOCUMENTS OR ANY PROPOSED SUBSTITUTIONS SHALL BE LISTED SEPARATELY AND QUALIFIED IN THE CONTRACTORS BID. SUBMITTAL OF BID SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS AND ANY MODIFICATIONS WHICH ARE REQUIRED TO MEET THE INTENT OF THE DRAWINGS AND SPECIFICATIONS. FAILURE TO VISIT THE SITE DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY IN PERFORMANCE OF HIS WORK.
6. REFER TO RESPONSIBILITY SCHEDULE ON SHEET M04.01 OF THIS SET FOR INFORMATION IN REGARD TO RESPONSIBILITY OF WORK OR ITEMS WHICH MAY AFFECT THE BID.

- B. GENERAL REQUIREMENTS
1. THIS CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION, INCIDENTALS AND DETAILS NECESSARY TO PROVIDE A COMPLETE MECHANICAL SYSTEM AS SHOWN ON THE DRAWINGS, CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS. ALL WORK NOT SPECIFICALLY NOTED AS BEING BY THE LANDLORD OR BMM SHALL BE PROVIDED BY THIS CONTRACTOR. CLOSELY COORDINATE THE ENTIRE INSTALLATION WITH THE LANDLORD AND THE BMM PROJECT MANAGER, AS REQUIRED.
2. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPLEMENT EACH OTHER AND ANY MATERIAL OR LABOR CALLED FOR IN ONE SHALL BE FURNISHED AND INSTALLED EVEN THOUGH NOT SPECIFICALLY MENTIONED IN BOTH. ANY MATERIAL, OR LABOR WHICH IS NEITHER SHOWN ON THE DRAWINGS NOR CALLED FOR IN THE SPECIFICATIONS, BUT WHICH IS OBVIOUSLY NECESSARY TO COMPLETE THE WORK, AND WHICH IS USUALLY INCLUDED IN WORK OF SIMILAR CHARACTER, SHALL BE FURNISHED AND INSTALLED AS PART OF CONTRACT.
3. WHERE THE DRAWINGS OR SPECIFICATIONS CALL FOR ITEMS WHICH EXCEED CODES OR THE LANDLORD'S TENANT CRITERIA, THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING THE SYSTEM WITH THE MORE STRINGENT REQUIREMENTS AS DESIGNED AND DESCRIBED ON THESE DRAWINGS, UNLESS SPECIFICALLY NOTED OTHERWISE.
4. ALL WORK IN THIS SECTION SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING, AND REPAIRING. THIS CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUFFICIENT ACCESS TO ALL EQUIPMENT.
5. ALL WORK SHALL BE PERFORMED IN A NEAT PROFESSIONAL MANNER USING GOOD CONSTRUCTION PRACTICES.
6. UNLESS SPECIFICALLY NOTED OTHERWISE, MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW, UNDERWRITER'S LABORATORIES/UNDERWRITER'S LABORATORY OF CANADA LISTED AND LABELED AND SIZED IN CONFORMITY WITH REQUIREMENTS OF STATE, PROVINCE AND LOCAL CODES, WHICHEVER IS MORE STRINGENT.
7. THIS CONTRACTOR SHALL DO ALL CUTTING, CHASING AND CHANNELING REQUIRED FOR ANY WORK UNDER THIS DIVISION. CUTTING SHALL HAVE PRIOR APPROVAL BY BMM PROJECT MANAGER AND THE LANDLORD. ALL PATCHING SHALL BE BY P.C. AND SHALL MATCH THE SURROUNDING SURFACES.
8. THE MECHANICAL CONTRACTOR SHALL MAKE ALL FINAL MECHANICAL CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.
a. THE MECHANICAL CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR TO CONTACT BMM'S DESIGNATED COMPANY (EMS) FOR START-UP. (REFER TO SHEET M01.01).

- C. CODES
1. ALL WORK SHALL CONFORM TO THE LANDLORD'S CRITERIA, THE STATE'S/PROVINCE'S, COUNTY'S, CITY'S AND LOCAL CODES AND ORDINANCES, SAFETY AND HEALTH CODES, NFPA/NFAC CODES, ENERGY CODES AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS. THIS CONTRACTOR SHALL INQUIRE INTO AND COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS. THIS CONTRACTOR SHALL INCLUDE ANY CHANGES REQUIRED BY CODES IN THE BID AND IF THESE CHANGES ARE NOT INCLUDED IN THE BID, THEY MUST BE QUALIFIED AS A SEPARATE LINE ITEM IN THE BID. AFTER CONTRACT IS AWARDED, CHANGES REQUIRED FOR INCREASED COSTS DUE TO CODE ISSUES WILL NOT BE ACCEPTED BY BMM.
D. LICENSES, PERMITS, INSPECTIONS & FEES
1. THIS CONTRACTOR SHALL OBTAIN AND PAY FOR ALL LICENSES, PERMITS, INSPECTIONS, AND FEES REQUIRED OR RELATED TO HIS WORK.
2. FURNISH TO THE BMM'S PROJECT MANAGER ALL CERTIFICATES OF INSPECTION AND FINAL INSPECTION APPROVAL AT COMPLETION OF PROJECT.

- E. TRADE NAMES, MANUFACTURERS AND SHOP DRAWINGS
1. WHERE TRADE NAMES AND MANUFACTURERS ARE USED ON THE DRAWINGS OR IN THE SPECIFICATIONS, THE EXACT EQUIPMENT SHALL BE USED AS A MINIMUM FOR THE BASE BID. MANUFACTURERS CONSIDERED AS AN EQUAL OR BETTER IN ALL ASPECTS TO THAT SPECIFIED WILL BE SUBJECT TO APPROVAL IN WRITING BY BMM PROJECT MANAGER THROUGH SHOP DRAWING SUBMITTAL PROCESS FOR ACCEPTANCE PRIOR TO INSTALLATION. THE USE OF ANY UNAUTHORIZED EQUIPMENT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
2. GENERAL CONTRACTOR SHALL SUBMIT ALL EQUIPMENT AND DEVICES TO BMM PROJECT MANAGER FOR APPROVAL. SUBMISSIONS SHALL BE MADE EARLY ENOUGH IN PROJECT TO ALLOW FOR (4) WORKING DAYS FOR BMM PROJECT MANAGER'S REVIEW WITHOUT CAUSING DELAYS OR CONFLICTS TO THE JOB'S PROGRESS. SUBMITTALS SHALL BEAR THE STAMP AND/OR SIGNATURE OF THE GENERAL CONTRACTOR AND THE SUBCONTRACTOR SHOWING THAT THEY HAVE REVIEWED AND CONFIRMED THAT THE SUBMITTALS ARE IN CONFORMANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS OR INDICATE WHERE EXCEPTIONS HAVE BEEN TAKEN.
F. GUARANTEE
1. THIS CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORK PROVIDED UNDER HIS CONTRACT AND SHALL MAKE GOOD, REPAIR OR REPLACE AT HIS OWN EXPENSE, ANY DEFECTIVE WORK, MATERIAL, OR EQUIPMENT WHICH MAY BE DISCOVERED WITHIN A PERIOD OF 12 MONTHS FROM THE DATE OF ACCEPTANCE (IN WRITING) OF THE INSTALLATION BY BMM'S PROJECT MANAGER. EXTENDED WARRANTIES ARE AS SPECIFIED WITH INDIVIDUAL EQUIPMENT.
2. THE EQUIPMENT MANUFACTURER SHALL GUARANTEE AND PROVIDE A 12 MONTH GUARANTEE TO BMM FROM THE DATE OF ACCEPTANCE. THIS CONTRACTOR SHALL WARRANTY THE INSTALLATION OF THIS EQUIPMENT AND WILL BE RESPONSIBLE FOR ANY DAMAGE AND/OR MALFUNCTION CAUSED BY THE INSTALLATION. THIS CONTRACTOR SHALL NOT BEAR ADDITIONAL WARRANTIES BEYOND A COMPLETE WORKING SYSTEM.

- G. RECORD DRAWINGS
1. THIS CONTRACTOR SHALL MAINTAIN ONE SET OF DRAWINGS ON THE JOB SITE UPDATED WEEKLY TO RECORD ALL DEVIATIONS FROM CONTRACT DRAWINGS, SUCH AS:
a. LOCATION OF CONCEALED PIPING VALVES AND DUCTS.
b. REVISIONS, ADDENDUM, AND CHANGE ORDERS.
c. SIGNIFICANT DEVIATIONS MADE NECESSARY BY FIELD CONDITIONS, APPROVED EQUIPMENT SUBSTITUTIONS, AND CONTRACTOR'S COORDINATION WITH OTHER TRADES.
2. AT COMPLETION OF THE PROJECT AND BEFORE FINAL APPROVAL, THIS CONTRACTOR SHALL MAKE ANY FINAL CORRECTIONS TO DRAWINGS AND CERTIFY THE ACCURACY OF EACH PRINT BY SIGNATURE THEREIN. FAILURE TO KEEP THESE RECORDS WILL ALLOW BMM TO DIRECT THE GENERAL CONTRACTOR TO PROVIDE THESE RECORDS AT HIS EXPENSE PRIOR TO FINAL PAYMENT.

- H. DISCREPANCIES IN DOCUMENTS
1. DRAWINGS (PLANS, SPECIFICATIONS, AND DETAILS) ARE DIAGNOSTIC AND INDICATE THE GENERAL LOCATION AND INTENT OF THE MECHANICAL SYSTEMS. WHERE DRAWINGS, EXISTING SITE CONDITIONS, SPECIFICATIONS OR OTHER TRADES CONFLICT OR ARE UNCLEAR, ADVISE THE GENERAL CONTRACTOR IN WRITING, PRIOR TO SUBMITTAL OF BID. THE GENERAL CONTRACTOR IS RESPONSIBLE TO ADVISE BMM'S PROJECT MANAGER, IN WRITING, OF VARIATIONS TO CONTRACT DOCUMENTS PRIOR TO SUBMISSION OF BID. OTHERWISE, BMM PROJECT MANAGER'S INTERPRETATION OF CONTRACT DOCUMENTS OR CONDITIONS SHALL BE FINAL WITH NO ADDITIONAL COMPENSATION PERMITTED.
I. PHASING REQUIREMENTS
1. THIS CONTRACTOR IS TO INCLUDE IN HIS BID ALL NECESSARY SERVICE REQUIRED TO KEEP THE OPERATING PHASE OF THE STORE'S HVAC, PLUMBING AND SPRINKLER SERVICE IN OPERATION. CONTRACTOR MUST SCHEDULE IN WRITING WITH BMM'S PROJECT MANAGER AND THE LANDLORD ONE WEEK PRIOR TO ANY SHUT DOWN OF THE HVAC, PLUMBING OR FIRE PROTECTION SYSTEMS.

- J. DEMOLITION
1. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE DEMOLITION OF EXISTING WORK AND THE DEMOLITION PROVIDED BY THE GENERAL CONTRACTOR. COORDINATE WITH THE GENERAL CONTRACTOR ANY EXISTING EQUIPMENT REQUIRED TO BE LEFT INTACT.
2. THIS CONTRACTOR SHALL INCLUDE, AND WILL BE HELD RESPONSIBLE FOR, THE REMOVAL OF ALL EXISTING HVAC UNITS, HYDRONIC PIPING, REFRIGERANT RECAPTURE, EXHAUST FANS, ETC. AND ASSOCIATED ROOF CURBS NOT TO BE REUSED ON THIS PROJECT, UNLESS SPECIFICALLY NOTED OTHERWISE. CONTRACTOR MUST VERIFY WITH THE LANDLORD ALL PRESUMED ABANDONED EQUIPMENT, PIPES, AND DUCTWORK PRIOR TO REMOVAL. ROOF CURBS SHALL BE DEMOLISHED AND THE ROOF PATCHED. ALL DEMANDABLE ITEMS IN THE SPACE OR ON THE ROOF NOT APPLICABLE TO THE NEW WORK MUST BE REMOVED AND ROOF/WALL/FLOOR PATCHED/REPAIRED TO MATCH EXISTING STRUCTURE. EXISTING ABANDONED PIPES, DUCTS, OR EQUIPMENT IN THE FLOOR, EMBEDDED IN CONCRETE OR OTHERWISE INACCESSIBLE ARE TO BE CUT OFF AND SEALED BELOW OR WITHIN FLOOR OR WALL LEVEL WHEN THEY ARE NOT TO BE REUSED IN THIS PROJECT. IF REQUIRED BY LANDLORD OR CODES, ABANDONED PIPING AND/OR DUCTWORK MUST BE REMOVED TO POINT OF ORIGIN, CONFORM TO THE EXTENT OF DEMOLITION PRIOR TO BID AND INCLUDE IN BID PROPOSAL.

- K. SLEEVES
1. THIS CONTRACTOR SHALL PROVIDE SLEEVES TO PROTECT EQUIPMENT OR FACILITIES IN THE INSTALLATION. EACH SLEEVE SHALL EXTEND THROUGH ITS RESPECTIVE FLOOR, WALL OR PARTITION AND SHALL BE CUT FLUSH WITH EACH SURFACE EXCEPT THOSE THAT PENETRATE THE FLOOR, WHICH SHALL EXTEND 2" ABOVE THE FLOOR. CONTRACTOR MUST COORDINATE THROUGH THE LANDLORD ANY CORE DRILLING OR CUTTING OF OPENINGS IN MASONRY FLOORS OR WALLS.
2. ALL SLEEVES AND OPENINGS THROUGH FIRE RATED WALLS AND/OR FLOORS SHALL BE FIRE SEALED WITH CALCIUM SILICATE, SILICONE "RTV" FOAM, "SM" FIRE RATED SEALANTS OR EQUAL, SO AS TO RETAIN THEIR FIRE RATING.
3. SLEEVES IN BEARING AND MASONRY WALLS, FLOORS, AND PARTITIONS SHALL BE STANDARD WEIGHT STEEL PIPE FINISHED WITH SMOOTH ENDS. FOR OTHER THAN MASONRY PARTITIONS, THROUGH SUSPENDED CEILING, OR FOR CONCEALED VERTICAL PIPING, SLEEVES SHALL BE NO. 22 U.S.G. GALVANIZED STEEL MINIMUM.

- L. SCOPE OF WORK
1. THIS CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION AND FACILITIES NECESSARY FOR, REASONABLY IMPLIED AND INCIDENTAL TO, THE FURNISHING, INSTALLATION, COMPLETION AND TESTING OF ALL THE WORK FOR THE HVAC SYSTEMS AS SHOWN ON THE DRAWINGS, CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS, TO INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
a. HVAC UNITS, ALL RELATED EQUIPMENT AND ACCESSORIES (UNLESS NOTED OTHERWISE).
b. DUCTWORK, FITTINGS, DAMPERS, AND INSULATION.
c. HYDRONIC PIPING, (AS APPLICABLE, REFER TO PLANS).
d. REFRIGERANT PIPING (AS APPLICABLE, REFER TO PLANS).
e. CURBS, ROOFING, AND STEEL FRAMING FOR SUPPORT (AS APPLICABLE, REFER TO PLANS).
f. TESTING, ADJUSTING, AND BALANCING.
g. KEEPING A RECORD SET AND PREPARE AS-BUILT DRAWINGS.
2. BEFORE STARTING WORK, THIS CONTRACTOR SHALL VISIT THE JOB SITE AND EXAMINE THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL PLANS AND SPECIFICATIONS TO SEQUENCE, COORDINATE, AND INTEGRATE THE VARIOUS ELEMENTS OF THE HVAC SYSTEM, MATERIALS, AND EQUIPMENT WITH OTHER CONTRACTORS TO AVOID INTERFERENCES AND CONFLICTS.
3. RELOCATION OF EXISTING DUCT MAINS OR BRANCHES TO MEET STORE DESIGN CRITERIA MUST BE INCLUDED IN BID PROPOSAL.

- M. HVAC EQUIPMENT
1. PRIMARY HEATING AND AIR CONDITIONING UNITS ARE TO BE FURNISHED BY BMM AS SCHEDULED UNLESS NOTED OTHERWISE. REFER TO PLANS FOR REQUIREMENTS. ALL EQUIPMENT SHALL INCLUDE A FIVE (5) YEAR COMPRESSOR AND TEN (10) YEAR HEAT EXCHANGER WARRANTY.
2. ALL EQUIPMENT SHALL BE COMPLETE IN EVERY RESPECT WITH ALL DEVICES AND ACCESSORIES PROVIDED TO MEET THE DESIGN INTENT AND OPERATION OF THE SYSTEMS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
3. EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

- N. EQUIPMENT FURNISHED BY BATH & BODY WORKS, INC.
1. THE FOLLOWING EQUIPMENT IS FURNISHED BY BMM AND INSTALLED BY THIS CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE. REFER TO RESPONSIBILITY SCHEDULE AND PLANS FOR APPLICABILITY.
a. HVAC UNITS.
b. TEMPERATURE CONTROLS.

- 2. ALL DUCTWORK, ROOF OPENINGS AND CAPS, DIFFUSERS, FANS AND ACCESSORIES NECESSARY TO PROVIDE A COMPLETE TOILET EXHAUST SYSTEM SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.
O. CURBS FOR SUPPORT
1. THIS CONTRACTOR SHALL FURNISH AND INSTALL CURB ADAPTORS ON EXISTING CURBS WHERE ALLOWED BY LANDLORD. CURB ADAPTORS MUST BE MANUFACTURED BY THYBAR, MICROMET, OR BMM APPROVED EQUAL.
2. WHERE EXISTING CURBS ARE NOT AVAILABLE OR WHERE CURB ADAPTORS ARE NOT ALLOWED THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY CURBS REQUIRED TO INSTALL ALL HVAC EQUIPMENT AS DESCRIBED ON THE DRAWINGS. CURBS SHALL BE A MINIMUM OF 14" HIGH (SEE M04.01 "LOCAL AREA REQUIREMENTS" ITEM # 5), OF THE SAME MANUFACTURER OF THE EQUIPMENT UNLESS NOTED OTHERWISE. CURBS SHALL ELEVATE THE UNIT(S) A MINIMUM OF 8" ABOVE ROOF LEVEL.
3. ALL CURBS AND CURB ADAPTORS SHALL BE INSTALLED SUCH THAT TOP OF CURBS ARE LEVEL. ALL PENETRATIONS OF EXISTING STRUCTURE SHALL BE DONE IN ACCORDANCE WITH THE LANDLORD'S GUIDELINES AT THIS CONTRACTOR'S EXPENSE. THIS CONTRACTOR SHALL RECEIVE BMM PROJECT MANAGER'S WRITTEN APPROVAL BEFORE ANY WORK TAKES PLACE. THIS CONTRACTOR IS ALSO RESPONSIBLE FOR ALL SEISMIC, HURRICANE OR OTHER SEIZING OR COLLAPSE RESISTANT REPAIRS OF EXISTING OR OTHER CODES.
P. LABELS/PIN MARKERS
1. FURNISH AND INSTALL PIPE IDENTIFICATION MARKERS ON ALL PIPES INSTALLED UNDER THIS CONTRACT. MARKERS SHALL BE A MINIMUM OF 1-1/2" X 8" AND IDENTIFIED IN ACCORDANCE WITH THE BACKGROUND AND LETTER CODES ISSUED BY THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).
2. PIPING SHALL BE IDENTIFIED AS FOLLOWS: CHILLED WATER RETURN, CHILLED WATER SUPPLY, CONDENSATE, HOT WATER RETURN, HOT WATER SUPPLY, CONDENSER WATER RETURN, CONDENSER WATER SUPPLY, REFRIGERANT LIQUID, REFRIGERANT SUCTION, AND DIRECTIONAL ARROWS. ALL IDENTIFICATIONS MUST BE VISIBLE AT EQUIPMENT.
Q. FINAL HVAC INSPECTIONS
1. ASIDE FROM NORMAL INTERIM INSPECTIONS OF WORK IN PLACE, BMM SHALL HAVE AN INDEPENDENT HVAC CONTRACTOR INSPECT THE FINISHED HVAC INSTALLATION UPON COMPLETION FOR COMPLIANCE WITH THE PLANS, SPECIFICATIONS AND CODES. THE INSTALLING CONTRACTOR WILL BE RESPONSIBLE TO BRING ALL ITEMS REPORTED BY THE INDEPENDENT HVAC CONTRACTOR UP TO PLANS AND SPECIFICATION REQUIREMENTS.

SECTION 230500: COMMON WORK RESULTS FOR HVAC

- A. HANGERS
1. HANGERS SHALL INCLUDE ALL MISCELLANEOUS STEEL SUCH AS ANGLE IRON, BANDS, C-CLAMPS WITH RETAINING CLIPS, CHANNELS, HANGER RODS, ETC., NECESSARY FOR THE INSTALLATION OF WORK.
2. HANGERS SHALL BE FASTENED TO BUILDING STEEL, CONCRETE, OR MASONRY, BUT NOT TO PIPING. HANGING FROM METAL DECK IS NOT PERMITTED. HANGERS MUST BE ATTACHED TO UPPER CHORD OR BAR JOIST, WHERE INTERFERENCES OCCUR, AND IN ORDER TO SUPPORT DUCTWORK OR PIPING, THE CONTRACTOR SHALL INSTALL THICKZED HANGERS OR SUPPORTS WHICH SHALL BE LOCATED WHERE THEY DO NOT INTERFERE WITH ACCESS TO FIRE DAMPERS, VALVES, AND OTHER EQUIPMENT. HANGERS TYPES AND INSTALLATION METHODS ARE ALSO SUBJECT TO LANDLORD CRITERIA.
3. HANGERS FOR ALL INSULATED PIPING SHALL BE SIZED AND INSTALLED FOR THE OUTER DIAMETER OF INSULATION. INSTALL 6" LONG SPLIT CIRCLE GALVANIZED SADDLE BETWEEN THE HANGER AND THE PIPE INSULATION.
4. HANGERS AND PIPING OF DISSIMILAR METALS SHALL BE DI-ELECTRICALLY SEPARATED.
B. VIBRATION ISOLATION DEVICES
1. SPRING VIBRATION ISOLATION DEVICES SHALL BE FURNISHED AND INSTALLED IN ALL SUPPORTS BETWEEN VIBRATING EQUIPMENT (FANS, AIR HANDLERS, ETC.) AND STRUCTURE. ISOLATORS TO BE SIZED ACCORDING TO LOAD WITH A MIN. 1" DEFLECTION. VIBRATING EQUIPMENT HUNG FROM STRUCTURE SHALL BE ISOLATED WITH RUBBER AND SPRING DEVICES. VIBRATING EQUIPMENT SUPPORTED FROM FLOOR OR DECK SHALL BE ISOLATED WITH HOUSED SPRING MOUNT DEVICES.
2. EXAMINE DEAD LOAD AND OPERATING LOAD CONDITIONS WHEN SELECTING DEVICES. ADJUST FOR PROPER ALIGNMENT AND LOADING. AVOID "GROUNDING" THE ISOLATOR.
3. CHECK HANGER ROD SIZE FOR ALLOWABLE LOADS AT THE ISOLATING DEVICE AND AT THE UPPER AND LOWER ATTACHMENTS TO STRUCTURES, DUCTS, EQUIPMENT, ETC.
4. CONSULT MANUFACTURER FOR APPLICATION DATA.
C. TESTING, ADJUSTING, AND BALANCING
1. TESTING, ADJUSTING AND BALANCING OF ALL WORK SHALL BE MADE BY AN INDEPENDENT CONTRACTOR WHO IS A CURRENTLY LICENSED ASSOCIATED AIR BALANCING CONSULTANT (AABC) OR NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB) BALANCING CONTRACTOR. NO OTHER BALANCE REPORTS WILL BE ACCEPTED. ALL BALANCING WORK MUST BE COMPLETE AND DONE IN ACCORDANCE WITH THE MOST RECENT STANDARDS OF THEIR SOCIETY. TEST AND BALANCE TO BE PROVIDED BY BMM.
2. FINAL TESTING, ADJUSTING AND BALANCING REPORT MUST BE COMPLETE AND SUBMITTED WITH FINAL CLOSE-OUT DOCUMENTS TO BMM 1 WEEK PRIOR TO MERCHANDISING DATE.
3. THE HVAC CONTRACTOR SHALL BE PRESENT FOR AIR BALANCE TO VERIFY ACCESSIBILITY TO ALL DEVICES, VERIFY ALL OPERATING SEQUENCES (WITH CONTROLS VENDOR REMOVALY SUPPORTING THE SEQUENCES) AND INSTALL NEW FILTERS IN ALL UNITS JUST PRIOR TO THE AIR BALANCE. THE COMPLETE AIR BALANCE SHALL TAKE PLACE WITH OUTSIDE AIR DAMPERS IN MINIMUM POSITION, EXCEPT AS NOTED OTHERWISE. HVAC CONTRACTOR SHALL ALSO INSTALL A NEW SET OF FILTERS ONE DAY PRIOR TO MERCHANDISING.
4. THE BALANCE REPORT SHALL INCLUDE AS A MINIMUM THE FOLLOWING INFORMATION:
a. AABC OR NEBB CERTIFICATION NUMBER AND SIGNATURE OF BALANCING CONTRACTOR.
b. INSTRUMENTATION LIST WITH LAST CALIBRATION DATES.
c. MAKE AND MODEL NUMBERS OF ALL HVAC EQUIPMENT TESTED.
d. AIR CFM AND STATIC PRESSURE READINGS (DISCHARGE AND SUCTION) AS MEASURED BY PITOT TUBE DUCT TRAVERSE AT THE UNIT.
e. MOTOR NAMEPLATE DATA WITH ACTUAL FIELD VOLTAGE AND AMPERAGE READINGS FOR EACH LEG.
f. MOTOR AND FAN RPMs, SHEAVE SIZES AND BELT SIZES.
g. OUTSIDE, RETURN, MIXED AND SUPPLY AIR TEMPERATURES AT FULL COOLING.
h. WATER BALANCE DATA INCLUDING GPM WITH INLET AND OUTLET TEMPERATURE AND PRESSURE READINGS (WHERE APPLICABLE).
i. MAKE AND MODEL NUMBERS OF ALL AIR DISTRIBUTION EQUIPMENT.
j. FINAL BALANCED AIR VOLUMES AT ALL OUTLETS (INCLUDING RETURNS WHERE DUCTED).
k. INDEXED PLAN WITH DIFFUSER AND RETURN LOCATIONS.
l. MAXIMUM AND MINIMUM SET POINTS FOR DEMAND CONTROL VENTILATION SYSTEMS INCLUDING CFM, FAN SPEED, AND OUTDOOR AIR DAMPERS POSITION.
5. BALANCE ALL MEDIA QUANTITIES TO WITHIN 5% OF THAT INDICATED ON THE DRAWINGS WITH STORE IN OPERATING CONDITION (SALES/NO-N-SALES, OFFICES, AND RESTROOM DOORS CLOSED). ANY REQUIRED CHANGES IN SHEAVES, BELTS OR PULLEYS NEEDED TO ACHIEVE SPECIFIED FLOW RATES SHALL BE PERFORMED BY THE HVAC CONTRACTOR WITH NO ADDITIONAL COST TO BMM.
6. ALL CONTROL SEQUENCES SHALL BE TESTED (INTERLOCKED EQUIPMENT, SMOKE DETECTORS, SMOKE EVACUATION, ECONOMIZER, ETC.) AND OPERATING STATUS RECORDED IN THE BALANCE REPORT.
7. AIR BALANCING CONTRACTOR IS TO CONFIRM OVERSIDE OF MINIMUM OUTSIDE AIR INTAKE UPON CO2 MONITORING CONFIRMATION, FOR CO2 MONITORING CONTACT. SEE CONTACT INFORMATION ON SHEET M01.01.
8. THREE COPIES (ELECTRONIC COPIES ARE ACCEPTABLE) OF THE BALANCE REPORT SHALL BE SUBMITTED THROUGH THE GENERAL CONTRACTOR TO BMM FOR APPROVAL. THE GENERAL CONTRACTOR SHALL VERIFY THE COMPLETENESS OF THE REPORTS PRIOR TO SUBMITTING TO BMM. SUBMIT ONE COPY OF FINAL APPROVED AIR BALANCE REPORT TO MALL GENERAL MANAGER.
9. EQUIPMENT SUPPLIER SHALL BE RESPONSIBLE FOR ENSURING PROGRAMMING FOR ALL OUTDOOR AIR DAMPERS REFLECTS THE APPROVED CERTIFIED AIR BALANCE. CONTROLS VENDOR SHALL PROVIDE REMOTE SUPPORT AS NEEDED TO TAB CONTRACTOR TO ENSURE DAMPER SETPOINT.
10. THE BALANCING CONTRACTOR SHALL PERFORM ALL APPLICABLE TESTING AND BALANCING FUNCTIONS REQUIRED FOR THE SYSTEM DESIGNED ON THESE DRAWINGS. ALL SYSTEMS UNABLE TO BE COMPLETELY BALANCED AT THE TIME OF ORIGINAL BALANCE MUST BE BALANCED IN FUTURE AT NO ADDITIONAL COST TO BMM. THE GENERAL CONTRACTOR SHALL CHECK ANY ITEMS THAT BMM DEEMS NECESSARY AT NO ADDITIONAL COST TO BMM.
D. VALVES
1. GATE VALVES: 2" INCH AND SMALLER: CLASS 150; BODY AND UNION BOMMET OF ASTM A 82; CAST BRONZE WITH THREADED OR SLOTTED ENDS; INTERNAL SEAT, RENEWABLE SOLID BRONZE WEDGE DISC; RING STEM, SLOTTED BOMMET AND END-FLANGES UNDER PRESSURE; BALL VALVES ARE ACCEPTED AS AN EQUAL SUBSTITUTION.
2. GATE VALVES: 2-1/2 INCH AND LARGER: CLASS 125; CAST IRON BODY; RENEWABLE BRONZE SEAT AND SOLID WEDGE DISC; RING STEM; FLANGED END; AND END-FLANGES UNDER PRESSURE.
3. SWING CHECK VALVES: 2" INCH AND SMALLER: CLASS 150; CAST BRONZE BODY AND CAP CONFORMING TO ASTM A 82; WITH HORIZONTAL SWING. 2" PATTERN; RENEWABLE BRONZE DISC; AND HAVING THREADED OR SLOTTED ENDS.
4. SWING CHECK VALVE: 2-1/2 INCH AND LARGER: CLASS 125; CAST IRON BODY AND BOLTED CAP; HORIZONTAL SWING; RENEWABLE BRONZE DISC; FLANGED END; AND CAPABLE OF BEING REPTTED, WHILE THE VALVE REMAINS IN THE LINE.
5. COMBINATION BALANCING AND SHUT-OFF VALVES: BALL & COBBETT DRIBBLET SEAT WITH LOCKING SET POINT. A CIRCUIT SETTER-BALANCE WHEEL MUST BE INCLUDED WITH 1/2" & 3/4" INCH. TAP OR OBSERVED AND CONSIDERED AS EQUAL.

SECTION 230700: HVAC INSULATION

- A. DUCTWORK INSULATION
1. FURNISH AND INSTALL INSULATION PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS, AND IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES. INSULATION MUST COMPLY WITH NFPA/NFPA 90A.
2. ALL INSULATION SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NO HIGHER THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84-05, OR AS REQUIRED BY LOCAL CODES.
3. DUCTWORK SHALL BE INSULATED ACCORDING TO THE ENERGY CODE ADOPTED BY LOCAL A.H.J. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM CODE AND PROVIDE ADEQUATE INSULATION AS INDICATED BELOW (WITHIN ASSUMED PARAMETERS) THIS SPEC DOES NOT INCLUDE REQUIREMENTS FOR DUCTWORK LOCATED WITHIN A VENTILATED ATTIC OR OUTSIDE, IN SUCH INSTANCES, REFER DIRECTLY TO CODE ADOPTED BY LOCAL A.H.J.
a. RECTANGULAR SUPPLY AND RETURN AIR DUCTS - PLENUM OR DUCTED RETURN AIR SYSTEM: DUCT SIZES SHOWN ON DRAWINGS ARE INSIDE CLEAR DIMENSIONS. ALL RECTANGULAR DUCTWORK (SUPPLY AND RETURN) SHALL BE EXTERNALLY INSULATED TO THICKNESS LISTED BELOW.
(1) ASHRAE 90.1-2007, 2010, 2013 & 2016 IECC-2009, 2011, 2015 & 2018 OREGON ENERGY CODE-2014. WASHINGTON STATE ENERGY CODE-2015. PROVIDE 2" THICK, 1.0 LB/FT³ (R=7.6, R=6.1 INSTALLED) DUCT WRAP WITH VAPOR BARRIER.
(2) 2015 WASHINGTON STATE ENERGY CODE.
b. SUPPLY AND RETURN AIR ROUND AND OVAL DUCTWORK INSULATION: ROUND/OVAL SUPPLY AND RETURN AIR DUCTWORK SHALL BE EXTERNALLY INSULATED WITH A MINIMUM OF 2" THICK DUCT WRAP, 1.0 LB/FT³ (INSTALLED R=6.1).
c. OUTSIDE AIR DUCTWORK INSULATION FOR UNITS SUPPLYING LESS THAN 2800 CFM: ALL OUTDOOR AIR (ROUND, OVAL, AND RECTANGULAR) DUCTWORK SHALL BE EXTERNALLY INSULATED WITH A MINIMUM OF 2-1/2" THICK DUCT WRAP, 0.75 LB/FT³ (INSTALLED R=7.1).
c. OUTSIDE AIR DUCTWORK INSULATION FOR UNITS SUPPLYING MORE THAN 2800 CFM: PROVIDE TWO LAYERS OF 2.5 THICK, 2.25 LB/FT³, EXTERNAL BOARD INSULATION (CONDUCTIVITY 0.24 @ 75°F; R=20.8).

- B. HYDRONIC PIPING INSULATION
1. ALL HYDRONIC PIPING FOR CHILLED WATER AND/OR HOT WATER (NOT INCLUDING CONDENSER WATER UNLESS SPECIFICALLY NOTED OTHERWISE), VALVES, FITTINGS, AND ACCESSORIES SHALL BE INSULATED ACCORDING TO THE ENERGY CODE ADOPTED BY LOCAL A.H.J. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM CODE AND PROVIDE ADEQUATE INSULATION AS INDICATED BELOW (WITHIN ASSUMED PARAMETERS) CHILLED WATER TEMPERATURE IS ASSUMED TO BE NO LESS THAN 40°F AND HOT WATER TEMPERATURE NO GREATER THAN 200°F. IN THE CASE THAT ACTUAL PROJECT CONDITIONS EXCEED THESE VALUES, REFER DIRECTLY TO THE CODE ADOPTED BY LOCAL A.H.J. FOR REQUIREMENTS.
a. PER ASHRAE 90.1-2007:
(1) WHEN ALL PIPE SIZES ARE LESS THAN 8 INCHES: INSULATE WITH 1 INCH THICK FIBERGLASS INSULATION WITH ALL SERVICE JACKET AND VAPOR BARRIER. INSULATION SHALL HAVE A CONDUCTIVITY NOT TO EXCEED 0.28 BTU/IN/FT²/°F WHEN TESTED IN ACCORDANCE WITH ASTM E 847.
(2) WHEN PIPE SIZES EXCEED 8 INCHES: INSULATE WITH FIBERGLASS INSULATION WITH ALL SERVICE JACKET AND VAPOR BARRIER. INSULATION SHALL HAVE A CONDUCTIVITY NOT TO EXCEED 0.28 BTU/IN/FT²/°F WHEN TESTED IN ACCORDANCE WITH ASTM E847. INSULATE PIPES SIZED LESS THAN 8 INCHES WITH 1 INCH THICK INSULATION. INSULATE PIPES SIZED 8 INCHES AND LARGER WITH 1-1/2" THICK INSULATION.
b. PER ASHRAE 90.1-2010:
(1) WHEN ALL PIPE SIZES ARE LESS THAN 1-1/2 INCHES: INSULATE WITH 1-1/2" INCH THICK FIBERGLASS INSULATION WITH ALL SERVICE JACKET AND VAPOR BARRIER. INSULATION SHALL HAVE A CONDUCTIVITY NOT TO EXCEED 0.28 BTU/IN/FT²/°F WHEN TESTED IN ACCORDANCE WITH ASTM E847.
(2) WHEN PIPE SIZES EQUAL OR EXCEED 1-1/2 INCHES: INSULATE WITH FIBERGLASS INSULATION WITH ALL SERVICE JACKET AND VAPOR BARRIER. INSULATE PIPES SIZED LESS THAN 1-1/2 INCH THICK INSULATION. INSULATE PIPES SIZED 1-1/2 INCHES AND LARGER WITH 2" THICK INSULATION. INSULATION SHALL HAVE A CONDUCTIVITY NOT TO EXCEED 0.28 BTU/IN/FT²/°F WHEN TESTED IN ACCORDANCE WITH ASTM E847.
c. 2009 INTERNATIONAL ENERGY CONSERVATION CODE:
(1) INSULATE WITH FIBERGLASS INSULATION WITH ALL SERVICE JACKET AND VAPOR BARRIER. INSULATION SHALL HAVE A CONDUCTIVITY NOT TO EXCEED 0.27 BTU/IN/FT²/°F WHEN TESTED IN ACCORDANCE WITH ASTM E847. INSULATE PIPES SIZED 1-1/2 INCHES AND SMALLER WITH 1 INCH THICK INSULATION. INSULATE PIPES SIZED LARGER THAN 1-1/2 INCHES WITH 1-1/2 INCH THICK INSULATION.
d. 2012 INTERNATIONAL ENERGY CONSERVATION CODE:
(1) INSULATE WITH FIBERGLASS INSULATION WITH ALL SERVICE JACKET AND VAPOR BARRIER. INSULATE CHILLED WATER PIPES WITH 1 INCH THICK INSULATION HAVING A CONDUCTIVITY NOT TO EXCEED 0.28 BTU/IN/FT²/°F WHEN TESTED IN ACCORDANCE WITH ASTM E847. INSULATE HOT WATER PIPES WITH 2 INCH THICK INSULATION HAVING A CONDUCTIVITY NOT TO EXCEED 0.28 BTU/IN/FT²/°F WHEN TESTED IN ACCORDANCE WITH ASTM E847.
e. 2015 WASHINGTON STATE ENERGY CODE, 2015 INTERNATIONAL ENERGY CONSERVATION CODES, 2016 CALIFORNIA ENERGY CODE, AND 2014 OREGON ENERGY EFFICIENCY SPECIALTY CODE:
(1) INSULATE WITH FIBERGLASS INSULATION WITH ALL SERVICE JACKET AND VAPOR BARRIER. INSULATE CHILLED WATER PIPES WITH 1-1/2 INCH THICK INSULATION WITH A CONDUCTIVITY NOT TO EXCEED 0.28 BTU/IN/FT²/°F WHEN TESTED IN ACCORDANCE WITH ASTM E847. INSULATE HOT WATER PIPES (UP TO 200°F) SIZED LESS THAN 1.5 INCHES WITH 1-1/2" THICK INSULATION WITH A CONDUCTIVITY NOT TO EXCEED 0.28 BTU/IN/FT²/°F WHEN TESTED IN ACCORDANCE WITH ASTM E847. INSULATE HOT WATER PIPES SIZED 1.5 INCHES OR LARGER WITH 2 INCH THICK INSULATION WITH A CONDUCTIVITY NOT TO EXCEED 0.28 BTU/IN/FT²/°F WHEN TESTED IN ACCORDANCE WITH ASTM E847.
2. INSULATION AT ALL HANGERS FOR PIPING 2-1/2 INCHES AND LARGER SHALL BE HARD AND NON-COMPRESSIBLE.
3. ALL INSULATION SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NO HIGHER THAN 50 TO CONFORM WITH THE REQUIREMENTS OF THE NFPA/NFPA.
4. PROVIDE ZESTON OR EQUAL INSULATION FITTINGS FOR ALL TEES, ELBS OR SPECIALTY FITTINGS.
C. REFRIGERANT PIPING INSULATION
1. INSULATE THE REFRIGERANT SUCTION LINES AND CONDENSATE LINES WITH 1 1/2" PIPE INSULATION SIMILAR TO FLEXITHERM SEAM-SEAL OR INSUL-LOCK. INSULATION SHALL BE A CLOSED CELL FIBER FIBRE ELASTOMER FOAM IN ACCORDANCE WITH ASTM C 534, TYPE 1 - TUBULAR, GRADE 1. SHALL HAVE A CONDUCTIVITY NOT TO EXCEED 0.28 BTU/IN/FT²/°F WHEN TESTED IN ACCORDANCE WITH ASTM C 177 OR C 518. SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84. AND SHALL HAVE A MAXIMUM WATER ABSORPTION X OF 0.2 BY VOLUME WHEN TESTED IN ACCORDANCE WITH ASTM C 209. DO NOT INSULATE THE HOT GAS (LIQUID) LINES OR ANY HOT GAS BYPASS.

SECTION 230800: COMMISSIONING OF HVAC

- A. DETAILED HVAC COMMISSIONING INFORMATION IS INCLUDED IN THE BMM SITE MANUAL PROVIDED TO THE CONTRACTOR AT THE START OF THE PROJECT.
B. EQUIPMENT SUPPLIER WILL CONTACT THE CONTRACTOR EARLY IN THE PROJECT TO SET PRELIMINARY DATES FOR HVAC INSPECTION, COMMISSIONING AND HVAC CONTROLS COMMISSIONING.
C. WORK REQUIRED PRIOR TO HVAC INSPECTION / COMMISSIONING (TO BE COMPLETED BY MECHANICAL SUBCONTRACTOR)
1. CONNECT AND BLEED CONDENSATE, DUCTWORK, NATURAL GAS, CHILLED WATER PIPING, AND/OR CONDENSER WATER PIPING.
2. CHARGE HVAC SYSTEMS WITH REFRIGERANT FOLLOWING EQUIPMENT SUPPLIER GUIDELINES AND INSTRUCTIONS. COLD WEATHER CONDITIONS REQUIRE SPECIFIC PROCESSES, CONTACT MANUFACTURER FOR TECHNICAL SUPPORT.
3. CONNECT POWER TO THE HVAC EQUIPMENT FOR A MINIMUM OF 24 HOURS.
a. IN COLD WEATHER SITUATIONS, DO NOT OPERATE THE UNITS PRIOR TO COMMISSIONING!
D. HVAC EQUIPMENT SHOULD BE STARTED UP EARLY IN THE PROJECT. COORDINATE EARLY START UP OF EQUIPMENT WITH THE EQUIPMENT SUPPLIER.
E. THE GC MAY BE BACK CHARGED FOR ADDITIONAL AC SITE VISITS BEFORE THE FIRST THREE (3) NECESSARY TO DOCUMENT THE RESOLUTION OF THE HVAC PUNCHLIST ITEMS.
F. HVAC COMMISSIONING:
1. PREHURDING INSPECTION - TO BE COMPLETED BY THE COMMISSIONING AGENT, GENERAL MECHANICAL, AND ELECTRICAL CONTRACTORS AND INCLUDE THE FOLLOWING PROCEDURE, DELAYS TO BE CAUSED BY CONTRACTOR OR OWNER.
a. GENERAL CONTRACTOR SHALL SCHEDULE COMMISSIONING AGENT AT LEAST TWO (2) WEEKS PRIOR TO SITE VISIT.
b. COMMISSIONING AGENT VISIT 1, SHALL BE COMPLETED PRIOR TO CEILING CLOSES AND ROUGH-IN INSPECTION.
c. COMMISSIONING AGENT TO PROVIDE A PUNCH REPORT 48 HOURS AFTER COMPLETION OF VISIT.
2. COMMISSIONING - TO BE COMPLETED BY THE GENERAL MECHANICAL, AND ELECTRICAL CONTRACTORS AND INCLUDE THE FOLLOWING PROCEDURE. DELAYS TO THE SCHEDULE LISTED BELOW SHALL BE CAUSE FOR ADDITIONAL COST TO OWNER.
a. GENERAL CONTRACTOR SHALL SCHEDULE COMMISSIONING AGENT AT LEAST TWO (2) WEEKS PRIOR TO SITE VISIT.
b. T & B REPORT TO BE PROVIDED TO THE GENERAL CONTRACTOR, COMMISSIONING AGENT AND ENGINEER OF RECORD ONE(1) WEEK PRIOR TO COMMISSIONING.
c. COMMISSIONING AGENT VISIT 2, SHALL HAPPEN ONCE ALL THE HVAC EQUIPMENT IS READY FOR STARTUP. MECHANICAL, GENERAL, AND ELECTRICAL CONTRACTOR SHALL BE PRESENT WHILE COMMISSIONING AGENT IS PRESENT FOR SUPPORT AS REQUIRED.
d. COMMISSIONING AGENT TO PROVIDE A PUNCH REPORT 48 HOURS AFTER COMPLETION OF VISIT.
e. COMMISSIONING AGENT TO PROVIDE COMMISSIONING REPORT 48 HOURS AFTER VISIT #2.

SECTION 230900: INSTRUMENTATION AND CONTROL FOR HVAC

- A. WORK RESPONSIBILITY
1. BMM HVAC SUPPLIER WILL FURNISH NECESSARY CONTROL DEVICES TO THE FIELD. FOR ALL DEVICES NOT FACTORY INSTALLED, IT WILL BE THE MECHANICAL CONTRACTOR'S RESPONSIBILITY TO INSTALL.
B. CONTACT INFORMATION ON SHEET M01.01.
C. HYDRONIC PIPING
1. FURNISH AND INSTALL A COMPLETE HYDRONIC PIPING SYSTEM IF APPLICABLE. REFER TO PLANS TO DETERMINE IF A HYDRONIC SYSTEM IS REQUIRED. UNLESS OTHERWISE NOTED, THE WORKING PRESSURE FOR SYSTEM PIPING AND CONNECTIONS SHALL BE AT MINIMUM 125 PSI.
2. PIPING
a. HYDRONIC PIPING FOR CHILLED WATER, CONDENSER WATER AND/OR HEATING WATER SHALL BE ASTM A 33, SCHEDULE 40, ERW, BLACK STEEL PIPE. WITH FLANGE ENDS; WELDED JOINTS WHERE PIPES ARE 2-1/2 INCH AND LARGER. INSTALL STEEL PIPES WITH TAPERED JOINTS AND FITTINGS. INSTALL TYPE "K" COPPER PIPE FOR 2 INCH AND SMALLER PIPE. PROVIDE DIELECTRIC UNIONS BETWEEN DISSIMILAR METALS. ALL PIPING SHALL BE IN STRICT CONFORMANCE WITH ASTM A314, AND LANDLORD'S REQUIREMENTS, WHICHEVER IS MOST STRINGENT. UNIONS OF FERROUS METALS MUST BE USED AT EQUIPMENT CONNECTIONS WHERE SERVICE OR REMOVAL MAY BE REQUIRED.
b. ALL PIPING AND EQUIPMENT SHALL BE PRESSURE TESTED WITHOUT LEAKAGE AT A MINIMUM PRESSURE OF 125 PSI.
c. ALL HYDRONIC PIPING AND EQUIPMENT CONNECTED TO THE HVAC PIPING SYSTEM SHALL BE CLEANED AND FLUSHED, REWASH, CLEAN, AND REPLACE STRAINER SCREENS. THE TRENCH SYSTEM WITH DOMESTIC WATER AND VENT AIR PIPING AND EQUIPMENT PRIOR TO CONNECTION TO THE LANDLORD'S SYSTEM. CONTRACTOR SHALL NOT ALLOW TENANT'S SYSTEM WITH WATER FROM THE LANDLORD'S SYSTEM. UNLESS SPECIFICALLY INDICATED TO DO SO, FROM THE LANDLORD'S FIELD REPRESENTATIVE. ANY RUNS THROUGH A CHASE OR SHAFT WILL BE DONE WITH FLEETS JOINTS POSSIBLE USING THE LONGEST LENGTH OF HARD COPPER PIPE AVAILABLE. SHOULD A JOINT BE REQUIRED, CONTRACTOR SHALL MAKE ALL EFFORTS TO KEEP THE JOINTS IN ACCESSIBLE AREAS.
d. PRIOR TO CONNECTION TO THE LANDLORD'S SYSTEM, CONTRACTOR SHALL OBTAIN WRITTEN CONFIRMATION FROM THE LANDLORD'S FIELD REPRESENTATIVE THAT ALL TESTING, FLUSHING, AND PROVER FLOW OF THE TENANT'S SYSTEM HAS BEEN COMPLETED IN ACCORDANCE TO THE LANDLORD'S REQUIREMENTS AND THAT THE TENANT'S SYSTEM IS READY TO BE CONNECTED TO THE LANDLORD'S SYSTEM.
E. PIPING SPECIALTIES
a. PRESSURE/TEMPERATURE TEST PLUGS (PETS PLUGS) - 1/4 INCH NPT FITTINGS TO RECEIVE EITHER A TEMPERATURE OR PRESSURE PROBE. 1/8 INCH O.D. FITTING AND O-RING SEAL. BE BRASS WITH WIRE WOUND GASKETS. MODEL #34, 400-950, 3/4 200-9008-00.
b. STRAINERS - 1" PATTERN STRAINERS, 1/2" PATTERN CAST IRON BODY, WITH PERFORATED STAINLESS STEEL SCREEN, TYPED FOR 2 INCHES AND SMALLER. FLANGED FOR 2-1/2 INCHES AND LARGER. SCREEN OPENING SIZE AT 0.063 INCH FOR HEATING AND 1/2 INCH FOR COOLING. CONDENSER WATER. PROVIDE WITH BLOWDOWN VALVE WITH HOSE END FITTING.
c. FLEXIBLE HOSE, PIPE SIZE 1/2 INCH TO 1-1/4 INCH - PROVIDE PLENUM RATED STAINLESS STEEL BRAIDED HOSE WITH EPDM CORE. END CONNECTIONS SHALL BE COMPATIBLE WITH PIPES TO BE JOINED. PROVIDE DIELECTRIC UNIONS BETWEEN DISSIMILAR METALS. PIPE SIZE 1-1/2 INCH AND LARGER - PROVIDE STAINLESS STEEL BRAIDED HOSE OVER A CORRUGATED STAINLESS STEEL TUBE WITH CARBON STEEL END FITTINGS. END FITTINGS SHALL BE COMPATIBLE WITH PIPES TO BE JOINED. PROVIDE DIELECTRIC UNIONS BETWEEN DISSIMILAR METALS.
d. DIELECTRIC UNIONS: WHERE JOINING TWO SEPARATE METALS, PROVIDE A CONNECTION ASSEMBLY OF COPPER ALLOY AND FERROUS MATERIALS WITH SEPARATING NONCONDUCTIVE INSULATING MATERIAL. INCLUDE END CONNECTIONS COMPATIBLE WITH PIPES TO BE JOINED.
F. GENERAL INSTALLATION
a. INSTALL WATER MAINS WITHOUT FITCH. USE ENGINEERING REDUCING COUPLERS AT CHANGES IN SIZE WITH THE TOP OF PIPES AT SAME ELEVATION.
b. BRANCHES TO UNITS BELOW MAINS TO BE TAKEN FROM BOTTOM OF MAINS AT A 45 DEGREE ANGLE, PITCH DOWNWARD TOWARD UNITS. BRANCHES TO UNITS ABOVE MAINS TO BE TAKEN FROM TOP OF MAINS AT A 45 DEGREE ANGLE, PITCH UPWARD TOWARD UNITS. PITCH MUST BE LESS THAN 1% TO FEET.
c. SEE MECHANICAL DETAIL DRAWINGS FOR APPLICABLE DETAILS.
d. PROVIDE UL/ULC LISTED FIRE STOPPING SYSTEM AROUND ALL PIPING PENETRATIONS THROUGH RATED WALLS. PENETRATIONS SHALL MEET THE REQUIREMENTS OF UL/ULC DETAILS WELDOI (UNINSULATED WALL) AND W5039 (INSULATED WALL).

SECTION 232300: REFRIGERANT PIPING

- A. REFRIGERANT PIPING:
1. THIS CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE REFRIGERANT PIPING SYSTEM BETWEEN THE INDOOR FAN UNITS AND OUTDOOR CONDENSING UNITS. REFER TO PLANS TO DETERMINE IF A REFRIGERANT SYSTEM IS REQUIRED. NEW PIPING IS REQUIRED. REUSE OF EXISTING PIPING IS NOT ALLOWED.
2. PIPING
a. REFRIGERANT PIPING SHALL BE TYPE ACR COPPER TUBING. TUBING SHALL BE CLEAN AND CLEAR OF DEBRIS, AND EVACUATED WITH A DEEP VACUUM PRIOR TO REFRIGERANT CHARGE. THE CONTRACTOR SHALL CONFIRM THE DIAMETER OF THE REFRIGERANT PIPING RUNS IN EXCESS OF 50 EQUIVALENT FEET WITH ENGINEER, ARCHITECTURAL CONTRACTOR, AND MANUFACTURER FOR ALL SPLIT SYSTEMS. NO REFRIGERANT PIPING RUNS EXCEEDING 100 EQUIVALENT FEET ARE TO BE INSTALLED WITHOUT BMM PM'S PERMISSION. THE MANUFACTURER SHALL PROVIDE ALL FINAL PIPE SIZING AND COIL SELECTIONS FOR ALL REFRIGERANT PIPING SYSTEMS.
b. ALL FITTINGS AND JOINTS SHALL BE WROUGHT COPPER OR CAST BRONZE (ANSI B 16.22). ALL COPPER TO COPPER JOINTS SHALL BE BRAZED WITH A COPPER-PHOSPHORUS ALLOY AND ALL OTHER JOINTS SHALL BE BRAZED WITH SILFLO-5 ALLOY.
c. ALL ELBOWS ARE TO BE LONG RADIUS TYPE.

- b. PER ASHRAE 90.1-2007:
(1) WHEN ALL PIPE SIZES ARE LESS THAN 8 INCHES: INSULATE WITH 1 INCH THICK FIBERGLASS INSULATION WITH ALL SERVICE JACKET AND VAPOR BARRIER. INSULATION SHALL HAVE A CONDUCTIVITY NOT TO EXCEED 0.28 BTU/IN/FT²/°F WHEN TESTED IN ACCORDANCE WITH ASTM E 847.
(2) WHEN PIPE SIZES EXCEED 8 INCHES: INSULATE WITH FIBERGLASS INSULATION WITH ALL SERVICE JACKET AND VAPOR BARRIER. INSULATION SHALL HAVE A CONDUCTIVITY NOT TO EXCEED 0.28 BTU/IN/FT²/°F WHEN TESTED IN ACCORDANCE WITH ASTM E847. INSULATE PIPES SIZED LESS THAN 8 INCHES WITH 1 INCH THICK INSULATION. INSULATE PIPES SIZED 8 INCHES AND LARGER WITH 1-1/2" THICK INSULATION.
b. PER ASHRAE 90.1-2010:
(1) WHEN ALL PIPE SIZES ARE LESS THAN 1-1/2 INCHES: INSULATE WITH 1-1/2" INCH THICK FIBERGLASS INSULATION WITH ALL SERVICE JACKET AND VAPOR BARRIER. INSULATION SHALL HAVE A CONDUCTIVITY NOT TO EXCEED 0.28 BTU/IN/FT²/°F WHEN TESTED IN ACCORDANCE WITH ASTM E847.
(2) WHEN PIPE SIZES EQUAL OR EXCEED 1-1/2 INCHES: INSULATE WITH FIBERGLASS INSULATION WITH ALL SERVICE JACKET AND VAPOR BARRIER. INSULATE PIPES SIZED LESS THAN 1-1/2 INCH THICK INSULATION. INSULATE PIPES SIZED 1-1/2 INCHES AND LARGER WITH 2" THICK INSULATION. INSULATION SHALL HAVE A CONDUCTIVITY NOT TO EXCEED 0.28 BTU/IN/FT²/°F WHEN TESTED IN ACCORDANCE WITH ASTM E847.
c. 2009 INTERNATIONAL ENERGY CONSERVATION CODE:
(1) INSULATE WITH FIBERGLASS INSULATION WITH ALL SERVICE JACKET AND VAPOR



Bath & Body Works
 Three Limited Parkway • Columbus, Ohio 43290
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MECHANICAL COMPLIANCE SUMMARY

2018 WSEC Compliance Forms for Commercial Buildings including Group R2, R3 & R4 over 3 stories and all R1 - Administered by ©2022 NECA. All rights reserved.

Project Title: Bath & Body Works - South Hill - 2018 WSEC
 Project Address: 3500 South Meridian Street, Puyallup, WA 98373
 Project Date: Oct 31, 2022

General Occupancy	All Commercial	General Building Use Type	Retail, Enclosed Mall	Building Cond. Floor Area	4,774
General Project Types	Alteration	New Building or Addition	Alteration	Project Cond. Floor Area	4,774
Mechanical Description	Remodel of a current Bath & Body Works taking over an adjacent tenant space. Two new heat pump RTUs and one split system are conditioning the space.				

Mechanical Compliance Scope and Method	Project Type	Mechanical Scope	Economizer (Exemption) Applied?	DOAS Ventilation Provided?	Higher Equipment Efficiency Option Applied?	Equipment Efficiency Compliance Verification
Additional Efficiency Credits Included (AEC)	Alteration	Single Zone Systems & Equipment	Yes	No	NA	COMPLIES

Scope & Space Conditioning	ALTERATION - SINGLE ZONE SYSTEMS & EQUIPMENT	Compliance Verification	COMPLIES
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Air Systems Summary Information	System/Equip ID	Supply Airflow Control	Ventilation Standard	Ventilation CFM	Ventilation	Paired with DOAS	Ventilation energy recovery	Energy Recovery Efficiency (%)
	AHU-1	Constant volume	OSHA or WAC	600	Integral		Not provided, not required	

Air Systems & Equipment - Cooling	System/Equip ID	Cooling System/Equip Type	Specific Type	Cooling Capacity per ton (Btu/h)	AEC Efficiency Multiplier	Ecom Exception Multiplier (AEC & Ecom)	Combined Efficiency Multiplier (AEC & Ecom)	Proposed Cooling Efficiency	CE Load Efficiency	Proposed Part Load Efficiency	PL Units	Efficiency Compliance Verification
	AHU-1	Air conditioner, air cooled	Split system DX	6,000	0	0	1	17.8	18.8	18.8	18.8	COMPLIES

Air Systems & Equipment Details	System/Equip ID	Area(s) Served	Location In Project Documents - Plan/Detail #
	AHU-1	Non-Sales	M02.01

Single Zone Air Systems Category - Heat pump, packaged (PTHP, SPVHP, room)	System/Equip ID	Quantity	Supply Airflow	Ventilation Standard	Ventilation CFM	Ventilation	Paired with DOAS	Ventilation energy recovery	Energy Recovery

of Items	Control	(Total If Multiple Items)	Air Source	Efficiency (%)
RTU-1	Variable air volume	OSHA or WAC	Integral	1.000
RTU-1	Variable air volume	IMC Ventilation	Integral	1.000

Air Systems & Equipment - Heating	System/Equip ID	Heating System/Equip Type	Specific Type	Heat Pump Heating Capacity (Btu/h)	Cooling Capacity (Btu/h)	AEC Efficiency Multiplier	Ecom Exception Multiplier (AEC & Ecom)	Proposed Heating Efficiency	CE Load Efficiency	Proposed Part Load Efficiency	PL Units	Efficiency Compliance Verification
	RTU-1	Heat pump, vertical (SPVHP), heating	Single package, vertical heat pump	42,020	48,800	1	0	3.6	COF	COF	COF	COMPLIES
	RTU-2	Heat pump, vertical (SPVHP), heating	Single package, vertical heat pump	84,300	96,200	1	0	3.5	COF	COF	COF	COMPLIES

Air Systems & Equipment Details	System/Equip ID	Area(s) Served	Location In Project Documents - Plan/Detail #
	RTU-1	Sales and Restroom	M02.01
	RTU-2	Sales	M02.01

Mechanical Requirements List, pg 1 of 25

2018 WSEC Requirements for Commercial Buildings including Group R2, R3 & R4 over 3 stories & all R1 - Administered by ©2022 NECA. All rights reserved.

The following information is necessary to check a mechanical permit application for compliance with the mechanical systems and equipment requirements in the Washington State Energy Code, Commercial Provisions. For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.technicalsupport@waseenergycode.com

Project: Bath & Body Works - South Hill - 2018 WSEC 3500 South Meridian Street Space 235 Puyallup, WA 98373	Date: 2022-10-31				
Applies	Code Section	Code Provision	Compliance Information Required In Permit Documentation	Location in Documents	Building Department Notes
SCOPE					
NA	C103.1	Construction documents - General	For a shell & core or tenant space (first build-out) project, indicate if there is no mechanical scope included in the project.		
YES	C103.1	Construction documents - General	For an alteration project, indicate if there is no mechanical scope included in the project.		
PERFORMANCE CRITERIA & SYSTEM DESIGN					
NA	C403.1	Exempt process equipment	Identify equipment used by manufacturing, industrial or commercial processes that are not for space conditioning or maintaining comfort and amenities for occupants; identify provisions applicable to this equipment per C403.1 exception		
NA	C403.1.1	HVAC total system performance ratio (TSFR)	For systems serving office, retail, library or education occupancies, provide a TSFR report that demonstrates the proposed design ratio is equal to or greater than the standard reference design ratio, or exception applied		
YES	C403.1.2	Calculation of heating and cooling loads	Provide load calculations performed per ASHRAE Std 183 or equivalent, using design parameters per C402 and Appendix C; include load adjustments to account for energy recovery		
NA	C403.1.3	Data centers	Provide documentation that demonstrates that data center systems comply with the maximum allowed Design MLC and Annualized MLC per ASHRAE 90.4 with 2018 WSEC adjustments per climate zone		
NA	C403.2.1 C403.4.2.2	Zone isolation	If there are HVAC zones that are intended to be occupied non-simultaneously, identify isolation zone areas on plans; if multiple zones intended to be occupied simultaneously will be combined into a single isolation zone, include on plans that the combined zone area does not exceed 25,000 sf and does not include more than one floor; or exception applied		
NA			Indicate locations of associated zone isolation dampers in HVAC distribution system		
YES			Refer to HVAC Controls section in Requirements List for applicable automatic setback and shutdown controls requirements		
EQUIPMENT SELECTION & PERFORMANCE					

Mechanical Requirements List, pg 2 of 25

2018 WSEC Requirements for Commercial Buildings including Group R2, R3 & R4 over 3 stories & all R1 - Administered by ©2022 NECA. All rights reserved.

The following information is necessary to check a mechanical permit application for compliance with the mechanical systems and equipment requirements in the Washington State Energy Code, Commercial Provisions. For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.technicalsupport@waseenergycode.com

YES	C403.3.1	Equipment and system sizing	Indicate that output capacities of heating and cooling equipment and systems are no greater than the smallest available equipment size that exceeds the calculated loads; note exceptions applied		
YES	C403.3.2 C403.9.1	HVAC equipment performance requirements (efficiency)	Provide equipment schedules on plans and in WSEC mechanical equipment compliance reports; indicate equipment type, calculated loads, capacity, rated and WSEC minimum efficiencies for all heating and cooling equipment; include supply and ventilation air cfm and operating hours for all air systems; identify heating and cooling equipment that does not have a corresponding WSEC minimum efficiency (manufacturer rated)		
YES	C405.8	Electric motor efficiency	List all motors ≥ 1/2 hp (that are not integral to a rated piece of equipment) in the mechanical or electrical equipment schedules on plans; indicate motor type and applicable efficiency table, hp, rpm, number of poles and rated efficiency, or exception applied		
NA	C403.3.2	Gas and oil-fired forced air furnace and unit heaters	For forced air furnaces with capacity ≥ 225,000 Btu/h and all unit heaters, indicate in equipment schedule intermittent ignition or IID, the or draft damper, and rated jacket loss		
YES	C403.3.2.4	Packaged electric heating/cooling equipment	Verify all packaged electric equipment with > 6,000 Btu/h cooling capacity and any amount of heating is a heat pump; include in equipment schedules		
YES	C403.3.3	Hot gas bypass limitation for DX cooling equipment	For cooling equipment with hot gas bypass, provide either multiple step unloading or continuous capacity modulation; indicate bypass capacity per Table C403.3.3		
NA	C403.3.2.5	Humidification	For cooling systems with humidification equipment that are also required to have air economizer, indicate humidifier is adiabatic (direct evaporative or fog atomization), or exception applied		
NA	C403.3.2	Hydronic equipment	Refer to Requirements List section Hydronic Systems - Equipment Selection & Performance for selection criteria specific to chillers and boilers		
YES	C403.9	Heat rejection equipment	Refer to Requirements List section Heat Rejection Systems - Equipment Selection & Performance for selection criteria specific to cooling towers, dry coolers and condensers (air-cooled and evaporative)		
EQUIPMENT SELECTION & PERFORMANCE - DEDICATED OUTSIDE AIR SYSTEMS (DOAS)					

Mechanical Requirements List, pg 3 of 25

2018 WSEC Requirements for Commercial Buildings including Group R2, R3 & R4 over 3 stories & all R1 - Administered by ©2022 NECA. All rights reserved.

The following information is necessary to check a mechanical permit application for compliance with the mechanical systems and equipment requirements in the Washington State Energy Code, Commercial Provisions. For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.technicalsupport@waseenergycode.com

YES	C403.3.5 C403.3.5.4	Dedicated outdoor air systems	For buildings with occupancies required to comply with the DOAS provisions per Table C403.3.5, identify on plans all occupancies in the building and indicate which occupied spaces are required to have ventilation air delivered by a DOAS; or exception applied		
NA			If natural ventilation exception is applied, identify these spaces on plans; indicate operable window area complies with IMC Section 402; provide documentation describing how required ventilation will be provided during all occupied hours, including during inclement weather		
NA			If high efficiency VAV exception is applied, identify these spaces on plans; refer to Single Zone VAV section for Groups A-1, A-2 and A-3 occupancy classifications, or Multiple Zone VAV for other than Groups A-1, A-2 and A-3 per Table C403.3.5		
YES			If compliance with the DOAS provisions is deemed to be impractical, provide documentation that demonstrates the alternate design strategy applied that achieves a comparable level of energy efficiency, as pre-approved by the AHJ		
NA			Refer to Requirements List section after Multiple-Zone Air Systems for High Efficiency Multiple-Zone VAV Systems exception to C403.3.5 DOAS		
YES			Refer to Requirements List section after High Efficiency Single-Zone VAV Systems exception to C403.3.5 DOAS		
YES	C403.3.5.1	DOAS energy recovery method and effectiveness	For all DOAS systems, indicate exhaust air ER method and basis of rated effectiveness (sensible or latent); indicate ≥ 60% sensible or ≥ 50% enthalpy ER effectiveness based on delta between outdoor air and return air enthalpies at design conditions; or exception applied		
NA			If applying exception for DCV, identify occupant load to space and airflow control configured to reduce ventilation rate by ≥ 50% when occupancy is less than design occupancy		
NA	C403.3.5.1	DOAS fan power	For DOAS with total system fan hp < 5 hp, indicate total system fan power does not exceed 1 watt per cfm		
NA			For DOAS with total system fan hp ≥ 5 hp, indicate total system fan power complies with fan power limitation per Section C403.8.1		

Mechanical Requirements List, pg 4 of 25

2018 WSEC Requirements for Commercial Buildings including Group R2, R3 & R4 over 3 stories & all R1 - Administered by ©2022 NECA. All rights reserved.

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NA	C403.3.5.2	Heating/cooling system controls with DOAS	Indicate systems and equipment associated with the delivery of zone level heating and cooling (fans, hydronic pumps, primary air dampers, etc) are configured to shut-off, and central equipment is configured to turn down, when there is no call for heating or cooling in the zone they serve		
NA			If applying Exception to heating/cooling fans used for air mixing in the space during deadband periods, include fan watts per cfm in equipment schedule		
NA	C403.3.5.3	Decoupled DOAS supply air	Indicate method of delivery of DOAS supply air to the occupied space (directly into space, downstream of terminal heating/cooling coils); or exception applied		
NA	C403.6.1	Multiple zone DOAS	For DOAS serving multiple zones, indicate controls configured to reduce the volume of outdoor air in each zone independent when the zone is unoccupied; or exception applied		
ADDITIONAL EFFICIENCY CREDITS - DEDICATED OUTSIDE AIR SYSTEMS (DOAS)					
NA	C406.6	DOAS	For building occupancies not subject to the requirements of Section C403.3.5, to comply with this additional efficiency credit, provide calculations that demonstrate 90% or more of the total floor area of all occupied, conditioned spaces are served by a DOAS per C403.3.5		
NA	C406.7	High performance DOAS - Energy recovery effectiveness and fan power	For all building occupancies, to comply with this additional efficiency credit, demonstrate compliance with C406.6 Indicate energy recovery sensible effectiveness of all DOAS is ≥ 80% For each system, indicate that total system fan power does not exceed 0.5 watts per cfm		
FANS AND FAN CONTROLS					
YES	C403.8.1	Fan power limitation	For all HVAC fan systems that provide heating and/or cooling and all DOAS, provide system total nameplate hp in equipment schedules on project plans		
NA			For all applicable HVAC systems with total fan motor nameplate hp > 3hp, verify fan system motor hp or bhp complies with fan power limits per equations in Table C403.8.1(1)		
NA			Terminal units installed in conjunction with a DOAS (hydronic heat pumps, VRF heat pumps, chilled/water terminal units, variable volume terminal units) shall be treated as independent air-handling units for purposes of fan power calculations		

In these forms you are supposed to show the location of each item on where to find it on the plans.
 Note on page M06.01 and following of plans

PROJECT INFORMATION: 104.01.0737.01
 BATH & BODY WORKS
 SOUTH HILL MALL
 SPACE NO. 235
 3500 S. MERIDIAN STREET
 PUYALLUP, WA 98373

REVISIONS:
 REQUIRED BY: _____ DATE: _____

DATE ISSUED: 11/04/2022
 DESIGNED BY: MAR
 DRAWN BY: TBA
 CHECKED BY: NJK

WSEC REQUIREMENTS

DRAWING NUMBER:
 M06.01

104.01.0737.01
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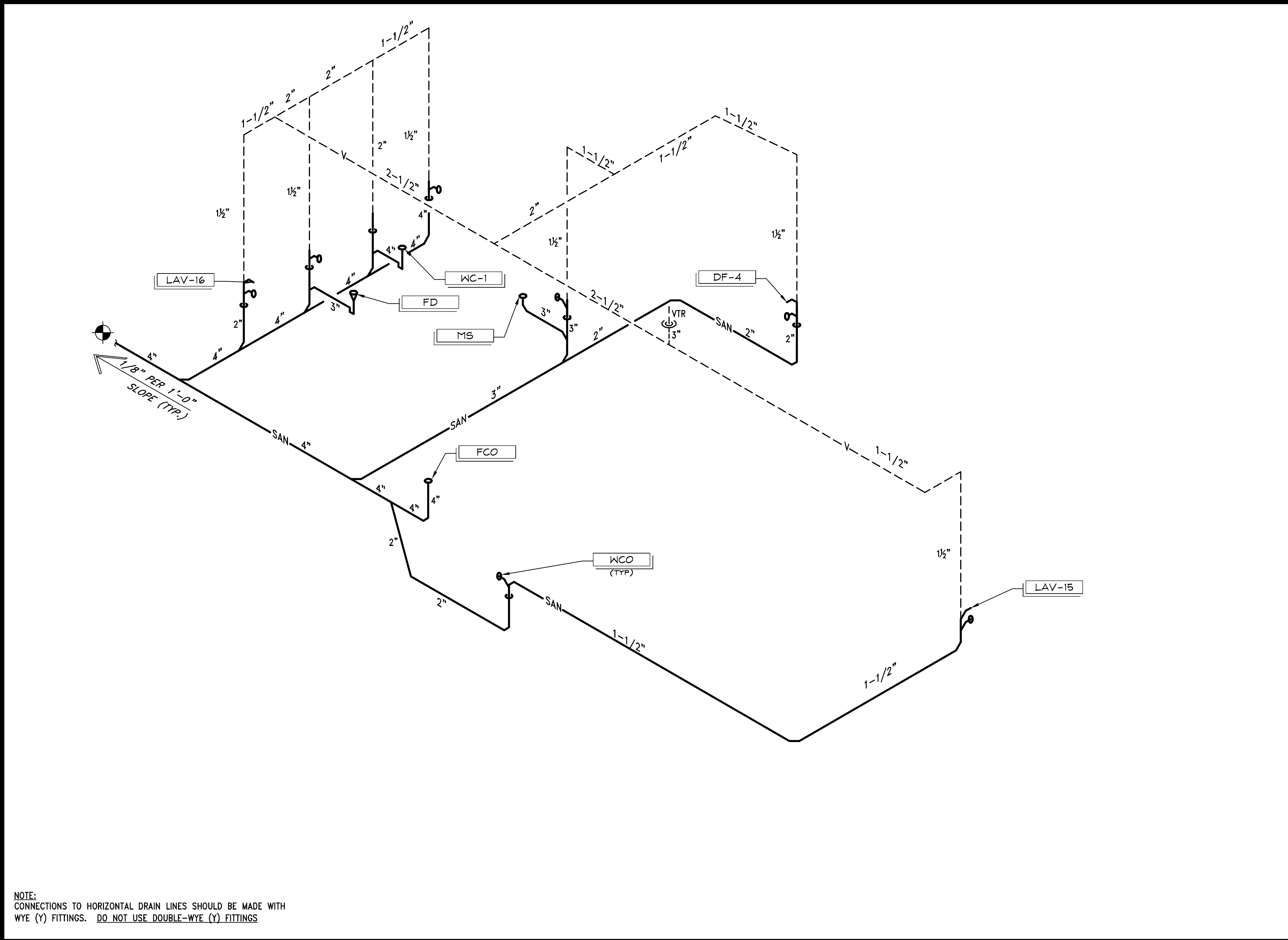
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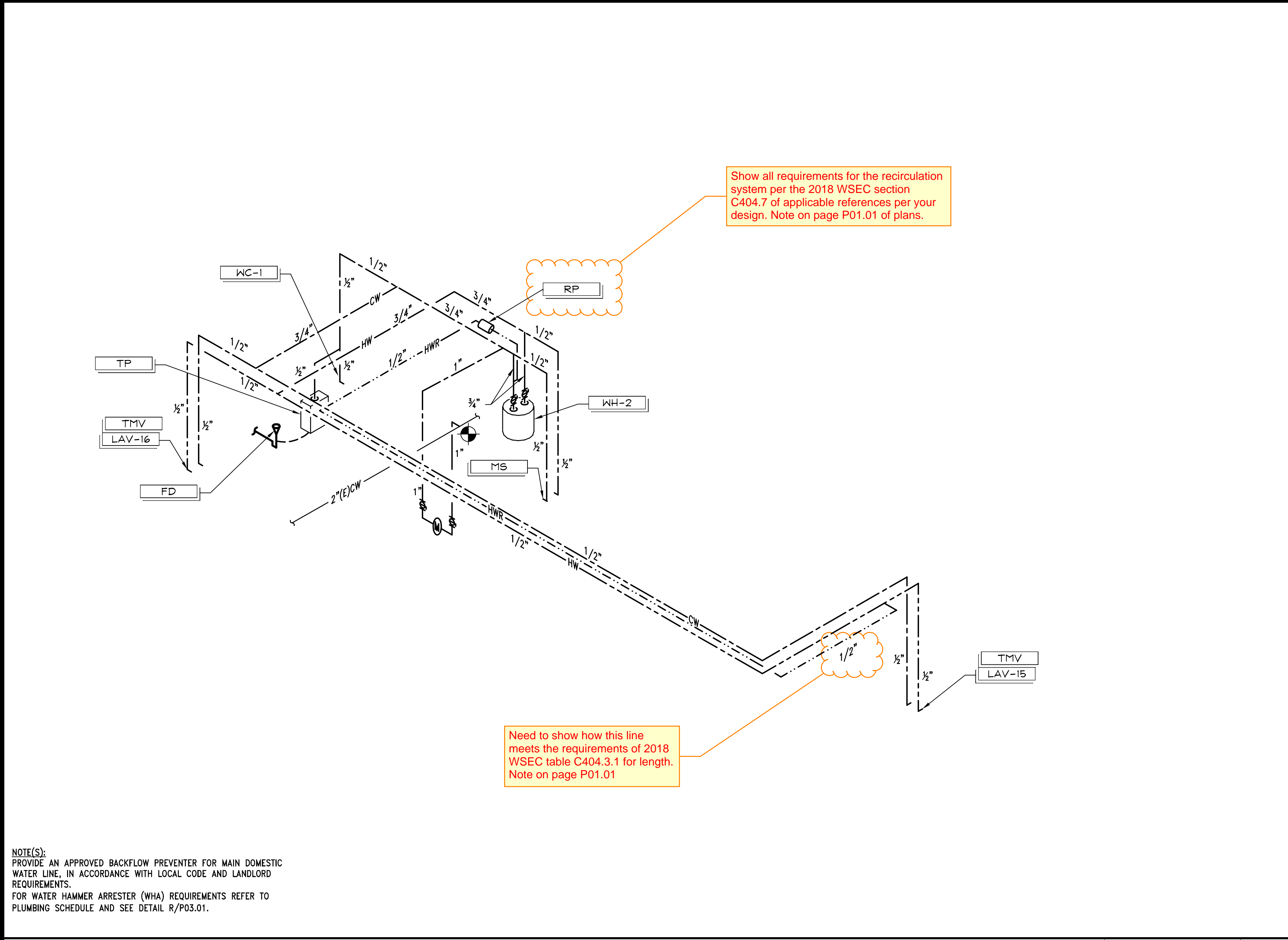
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 M06.01



WASTE & VENT PIPING DIAGRAM



DOMESTIC WATER PIPING DIAGRAM

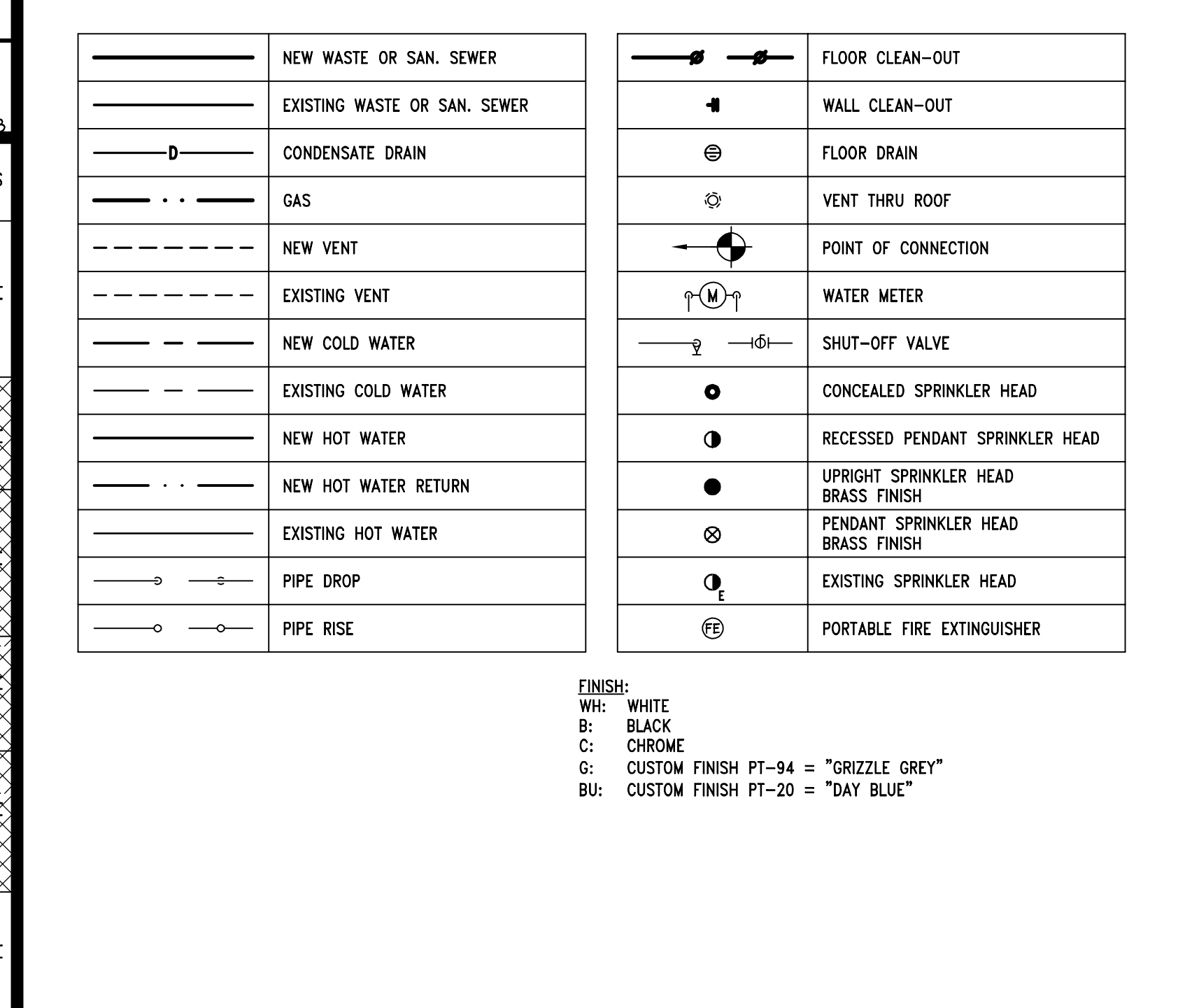
ITEM	FURNISHED BY	INSTALLED BY	RE-USE	N/A	REMARKS
PLUMBING FIXTURES & TRIM					UNLESS OTHERWISE NOTED
DRINKING FOUNTAIN & ASSOCIATED ACCESSORIES	BBW	GC	GC		
SEWER AND VENT PIPING		GC	GC		
TANK WATER HEATER		GC	GC		
DOMESTIC HOT AND COLD WATER PIPING		GC	GC		
CONDENSATE DRAIN PIPING		GC	GC		
SECOND CONDENSATE DRAIN PIPING		GC	GC		
CONDENSATE DRAIN PUMP		GC	GC		
GAS PIPING		GC	GC		
FLOOR DRAINS, CLEANOUTS, WATER HAMMER ARRESTERS, ETC.		GC	GC		
INSTANTANEOUS WATER HEATER		GC	GC		
DEMO SINK LAV AND FAUCET	BBW		GC		
ELEVATED RESTROOM SINK AND FAUCET					
NON-PUBLIC RESTROOM SINK AND FAUCET		GC	GC		
DRAIN PUMP					PROVIDE OP AND SV IN LIEU OF GRAVITY DRAIN UNDER ALTERNATE BID
SPRINKLER PIPING	FFC	FFC			
SPRINKLER HEADS	FFC	FFC			
FIRE EXTINGUISHERS	FFC	FFC			
AS-BUILTS DRAWINGS	GC				

ANY ITEM NOT SHOWN IS THE RESPONSIBILITY OF THE CONTRACTOR.

PLUMBING & FIRE PROTECTION RESPONSIBILITY SCHEDULE

ITEM	FIXTURE	ROUGH-IN SERVICES						DESCRIPTION	REMARKS
		CW	HW	W	V	IG	AS		
WC-1	WATER CLOSET TANK TYPE	1/2"	1/2"	2"	1 1/2"			KOHLER "HIGHLINE PRESSURE LITE" MODEL NO. K-3519, 1.0 GPF, PRESSURE ASSISTED WHITE WATER CLOSET WITH ELONGATED VITREOUS CHINA BOWL, (OR ZURN MODEL Z5561, 1.0 GPF WITH HIGH PERFORMANCE ECOFLUSH TECHNOLOGY), 1 1/2" HIGH, WHITE OPEN FRONT SEAT AND COVER #K-4650, FURNISH WITH BOLT CAPS AND CHROME SUPPLY STOP (FOR PUBLIC AND NON-PUBLIC RESTROOMS). FLUSH LEVER SHALL BE LOCATED ON THE WIDE SIDE OF THE TOILET.	ACCESSIBLE TYPE
LAV-6A	ELEVATED RESTROOM (SENSORED FAUCET)	1/2"	1/2"	2"	1 1/2"			DURAWAY WALL-MOUNTED LAVATORY MODEL NO. #K45480-00271, WHITE, FURNISH WITH CHROME SUPPLY STOP, P-TRAP, KOHLER OVERFLOW DRAIN, DEMO SINK-MOUNTED, MAX. SENSOR FAUCET MODEL NO. #2444-00-63, CHROME AND 0.5 GPM AERATOR, INSULATE P-TRAP AND SUPPLY LINES WITH WHITE INSULATION 1/2" PLUMBEREX "HANDY-SHIELD MAX" PIPING INSULATION OR EQUIVALENT.	ACCESSIBLE TYPE
LAV-6B	WB RESTROOM SINK (SENSORED FAUCET)	1/2"	1/2"	2"	1 1/2"			DURAWAY WALL-MOUNTED LAVATORY MODEL NO. #K45480-0028, WHITE, FURNISH WITH CHROME SUPPLY STOP, P-TRAP, GOLD-BLAZED GRID DRAIN AND TRIM PINS, (SENSORED FAUCET), MAX. SENSOR FAUCET MODEL NO. #2444-00-63, CHROME AND 0.5 GPM AERATOR, INSULATE P-TRAP AND SUPPLY LINES WITH WHITE INSULATION 1/2" PLUMBEREX "HANDY-SHIELD MAX" PIPING INSULATION OR EQUIVALENT.	ACCESSIBLE TYPE
LAV-6C	WB RESTROOM SINK (SENSORED FAUCET)	1/2"	1/2"	2"	1 1/2"			DURAWAY WALL-MOUNTED LAVATORY MODEL NO. #K45480-0028, WHITE, FURNISH WITH CHROME SUPPLY STOP, P-TRAP, GOLD-BLAZED GRID DRAIN AND TRIM PINS, (SENSORED FAUCET), MAX. SENSOR FAUCET MODEL NO. #2444-00-63, CHROME AND 0.5 GPM AERATOR, INSULATE P-TRAP AND SUPPLY LINES WITH WHITE INSULATION 1/2" PLUMBEREX "HANDY-SHIELD MAX" PIPING INSULATION OR EQUIVALENT.	ACCESSIBLE TYPE
LAV-6D	WB RESTROOM SINK (SENSORED FAUCET)	1/2"	1/2"	2"	1 1/2"			DURAWAY WALL-MOUNTED LAVATORY MODEL NO. #K45480-0028, WHITE, FURNISH WITH CHROME SUPPLY STOP, P-TRAP, GOLD-BLAZED GRID DRAIN AND TRIM PINS, (SENSORED FAUCET), MAX. SENSOR FAUCET MODEL NO. #2444-00-63, CHROME AND 0.5 GPM AERATOR, INSULATE P-TRAP AND SUPPLY LINES WITH WHITE INSULATION 1/2" PLUMBEREX "HANDY-SHIELD MAX" PIPING INSULATION OR EQUIVALENT.	ACCESSIBLE TYPE
LAV-15	WB / WB COUNTER MOUNTED DEMO SINK	1/2"	1/2"	2"	1 1/2"			KOHLER "CARLTON" BASIN MODEL NO. #K-7799, WHITE, FURNISH WITH CHROME SUPPLY STOP AND P-TRAP, KOHLER OVERFLOW DRAIN #K-7129-CP (POLISHED CHROME), COUNTER MOUNTED KOHLER "OBLO" TOUCHLESS MODEL #K-13461-SANA-CP (POLISHED CHROME), AA BATTERY POWERED, 0.5 GPM AERATOR, INSULATE P-TRAP AND SUPPLY LINES WITH WHITE INSULATION 1/2" PLUMBEREX "HANDY-SHIELD MAX" PIPING INSULATION OR EQUIVALENT.	ACCESSIBLE TYPE
LAV-16	STANDARD RESTROOM SINK (SENSORED FAUCET)	1/2"	1/2"	2"	1 1/2"			KOHLER "CHESAPEAKE" 19 1/4"x17 1/4" LAVATORY, MODEL NO. K-1722 (OR AMERICAN STANDARD "COMARDE" WALL-MOUNT SINK, MODEL NO. 0124.131). FURNISH WITH CONCEALED 1/2" WALL HANGER, CHROME SUPPLY STOP AND P-TRAP, KOHLER SCULPTED INSIGHT TOUCHLESS FAUCET MODEL NO. K-13461 WITH 0.5 GPM AERATOR, INSULATE P-TRAP AND SUPPLY LINES WITH 1/2" ARMISTIONS "ARMARLEY" PIPING OR EQUIVALENT, SINK-MOUNTED. (FOR NON-PUBLIC RESTROOMS).	ACCESSIBLE TYPE
WH-1	WATER HEATER INSTANTANEOUS	1/2"	1/2"					CHROMORITE INSTANT-FLOW #M-200L, 0.8 GPM @ 57" RISE, 4160 WATTS, 20 AMP BREAKER, 208V-1Ø-0-60.	INSTALL BELOW SINK
WH-2	WATER HEATER INSTANTANEOUS	1/2"	1/2"					CHROMORITE INSTANT-FLOW #E-48L, 0.5 GPM @ 65" RISE, 4800 WATTS, 30 AMP BREAKER, 208V-1Ø-0-60 (CA SPEC).	INSTALL BELOW SINK
TP	TRAP PRIMER							PRECISION PLUMBING PRODUCTS TRAP PRIMER, MODEL NO. P-2, COPPER BODY, ADJUSTABLE WITH 1/2" COPPER TYPE "L" TO DRAIN DRAIN.	
FD	FLOOR DRAIN							ZURN FLOOR DRAIN MODEL NO. Z-415-6B, CAST IRON BODY, COMBINATION INVERTIBLE CLAMP AND ADJUSTABLE COLLAR, 2" BOTTOM OUTLET WITH 6" ROUND NICKEL STRAINER.	WITH DEEP SEAL P-TRAP
WHA	WATER HAMMER ARRESTER							SIOUX CHIEF 650 SERIES WATER HAMMER ARRESTER OR EQUAL, *SIZE & INSTALL PER FDI #WH-201 STANDARD OR MANUFACTURER'S INSTRUCTION.	
WCO	WALL CLEANOUT							ZURN Z-1446-8P CLEANOUT TEE, DURA-COATED CAST IRON BODY, GAS AND WATER TIGHT BRONZE PLUG AND STAINLESS STEEL WALL ACCESS COVER WITH SECURING SCREW.	
FCO	FLOOR CLEANOUT							ZURN FLOOR CLEANOUT MODEL NO. ZN-1240 WITH GAS-TIGHT AND WATER-TIGHT TAPERED THREADED PLUG AND ROUND POLISHED NICKEL BRONZE SCORRIATED ADJUSTABLE TOP.	
CO	CLEANOUT							ZURN CLEANOUT FERRULE WITH PLUG #Z1440 WITH DURA-COATED CAST IRON BODY, WITH GAS-TIGHT AND WATER-TIGHT ABS TAPERED THREADED PLUG.	
SK	BREAK SINK	1/2"	1/2"	2"	1 1/2"			DAYTON D117183 SINGLE BOWL SINK (18" x 17" x 9 1/2" BOWL) WITH ELKAY MODEL NO. 1823229 DUAL HANDLE DODSEMBER FAUCET.	ACCESSIBLE TYPE
DF-1	ELEVATED DRINKING FOUNTAIN (CHILLED)	1/2"	1/2"	2"	1 1/2"			HALSEY TAYLOR #DW-11 SEEP BI-LEVEL BARRIER FREE WATER COOLER PROVIDE CHROME SUPPLY STOP AND P-TRAP, FURNISH WITH #SAB-01 REMOTE COOLER - SEE MANUFACTURER'S INSTRUCTIONS FOR PROPER INSTALLATION PER ACCESSIBILITY REQUIREMENTS.	ACCESSIBLE TYPE
DF-2	DRINKING FOUNTAIN	1/2"	1/2"	2"	1 1/2"			DAVIS ATLANTIS #POB151SH "HOT 'N' COLD" WATER COOLER, PROVIDE CHROME SUPPLY STOP, SEE MANUFACTURER'S INSTRUCTIONS FOR PROPER INSTALLATION.	ACCESSIBLE TYPE
DF-3	DRINKING FOUNTAIN	1/2"	1/2"	2"	1 1/2"			REFRIGERATED, LIGHT GRAY GRANITE, MODEL EST18LC, FURNISH WITH PLUG-IN, 3-WIRE GROUNDING TYPE SERVICE CORD, PROVIDE CHROME SUPPLY STOP AND P-TRAP, SEE MANUFACTURER'S INSTRUCTIONS FOR PROPER INSTALLATION PER ACCESSIBILITY REQUIREMENTS.	ACCESSIBLE TYPE
DF-4	DRINKING FOUNTAIN	1/2"	1/2"	2"	1 1/2"			KOHLER "BARON SUPERIOR" URINAL MODEL NO. K-4960-ET FURNISH WITH KOHLER K-1368K 0.5 DEF. FLUSH VALVE. (OR ZURN #Z0738, 0.125 GPM, WHITE, VITREOUS CHINA, WITH ZED60026V FLOWSHOWER VALVE)	0.5 GPM MAX ACCESSIBLE TYPE
MS	MOP SINK	1/2"	1/2"	3"	1 1/2"			FIAT MOP MOULDED STONE SERVICE BASIN MODEL NO. MSB-2424 WITH VINYL BUMPERGUARD, FURNISH WITH AMERICAN STANDARD FAUCET MODEL NO. 8354.112 WITH INTEGRAL VACUUM BREAKER AND STOPS, PROVIDE 42" RUBBER HOSE WITH FAUCET.	
DP	DRAIN PUMP BASIN	1/2"	1/2"	3"	1 1/2"			ZOELLER #131 FLOOR MOUNTED 5 GAL. POLYETHYLENE BASIN WITH GASKETED POLYETHYLENE LID, ZOELLER #99, 115V-1Ø, 1/2" HP, 1725 RPM, 25.7 FT. HD. (0.1) 3/8" DIA. PUMP PIPES, 1/2" SPHERICAL SOLIDS, ELECTRICAL CONNECTION TO BE MADE WITH 1/2" (0.1) 3/8" DIA. 3-WIRE CORD AND PLUG, BASIN AND PUMP TO BE TEMPERATURE BATED TO 150 °F, UNIT IS FURNISHED WITH CHECK VALVE, MODEL #131-0052-155V-155T NORMALLY CLOSED (N.C.) SINGLE PROTRUDING FLOAT SWITCH, MODEL #131-0064-155V-155T NORMALLY CLOSED (N.C.) SINGLE PROTRUDING FLOAT SWITCH.	PROVIDE OP AND SV IN LIEU OF GRAVITY DRAIN UNDER ALTERNATE BID
SV	SOLENOID VALVE							GENERAL CONTRACTOR SHALL PROVIDE 115V-1Ø/2W (TWO-WAY) NORMALLY OPEN (N.O.) SOLENOID VALVE FOR EACH DEMO SINK, BASIN, OR PERSON IS SANITARY MODEL #SAB-01-24, EQUALS ARE ACCEPTABLE, VALVE SHALL BE PROVIDED WITH 8 FT. (0.1) LISTED 3-WIRE CORD AND PLUG, PLUMBING CONTRACTOR TO INSTALL.	COORDINATE POWER WITH ELECTRICAL
TMV	THERMOSTATIC MIXING VALVE							SYMONS MIXING VALVE #7-225-0K "MAXLINE", 1/2" INLETS AND OUTLET, THERMOSTATIC CONTROLLER WITH INTERNAL CHECKS, ALL BRASS BODY WITH DUAL STAINLESS STEEL STRAINER, VANDAL-RESISTANT TEMPERATURE ADJUSTMENT HANDLE, SET TO 105°, MOUNT IN ACCESSIBLE LOCATION.	
RP	CIRCULATION PUMP	1/2"	1/2"					BELL & GOSSETT #100, BRONZE PUMP WITH A CAPACITY OF 1.4 GPM @ 7.5 FT. HEAD, 1/2 HORSEPOWER, 1750 RPM, 115V-1Ø, INSTALL NEAR WATER HEATER PER MANUFACTURER'S INSTRUCTIONS.	

ADA	AF	AHJ	AP	BBW	CD	CF	CI	CO	CONTR	CONTR	CW	DEF	DL	DS	DTR	DWG	(E)	FCO	FD	FDIC	FFC	FFS	FS											
ACCESS DOOR	AMERICAN DISABILITY ACT	G	GAS CONTRACTOR	P	PUMP CONTRACTOR	PD	PRESSURE DROP	PLBG	PLUMBING	PM	PROJECT MANAGER	POC	POINT OF CONNECTION	PRV	PRESSURE REDUCING VALVE	PSI	POUNDS PER SQUARE INCH	(R)	RELOCATE	RD	ROOF DRAIN	RPPB	REDUCED PRESSURE BACKFLOW PREVENTER	REVOLUTION PER MINUTE										
ABOVE FINISHED FLOOR	AUTHORITY HAVING JURISDICTION	GC	GENERAL CONTRACTOR	GC	GALLONS PER MINUTE	HP	HORSEPOWER	HWR	HOT WATER RETURN	INV	INVERT	LAV	LAVATORY	LB	LANDLORD	LC	LANDLORD CONTRACTOR	LD	LANDLORD LIGHTING PACKAGE DISTRIBUTOR	LF	LINEAL FEET	LL	LANDLORD	SOV	SCHEDULE SHUT-OFF VALVE OR SCHEDULE OF VALVE									
BATH & BODY WORKS, INC.	BIBB	HOSE BIBB	HD	HEAD	HORSEPOWER	HWR	HOT WATER RETURN	INV	INVERT	LAV	LAVATORY	LB	LANDLORD	LC	LANDLORD CONTRACTOR	LD	LANDLORD	LF	LINEAL FEET	LL	LANDLORD	SOV	SCHEDULE SHUT-OFF VALVE OR SCHEDULE OF VALVE											
CEILING DIFFUSER OR CONDENSATE DRAIN	CUBIC FEET PER MINUTE	HP	HORSEPOWER	HWR	HOT WATER RETURN	INV	INVERT	LAV	LAVATORY	LB	LANDLORD	LC	LANDLORD CONTRACTOR	LD	LANDLORD	LF	LINEAL FEET	LL	LANDLORD	SOV	SCHEDULE SHUT-OFF VALVE OR SCHEDULE OF VALVE													
CAST IRON CLEANOUT	CONTINUE	CONTR	CONTRACTOR	CLEANOUT TO GRADE	COLD WATER	DETAIL	DRINKING FOUNTAIN	DOOR LOWER	DREAMSTEAMER	DOWN THRU ROOF DRAWING	MECH	MECHANICAL CONTRACTOR	MFR	MOUNTED MOTOR	NEW	NORMALLY CLOSED	N.C.	NOT IN CONTACT	N.O.	NORMALLY OPEN	N/A	NOT APPLICABLE	NTS	NOT TO SCALE										
FLOOR CLEANOUT	FAN COIL UNIT	FAN COIL UNIT	FLOOR DRAIN	FURNISHED BY OWNER	INSTALLED BY CONTRACTOR	FIRE PROTECTION CONTRACTOR	FEET PER SECOND	FLOOR SINK	NEW WASTE OR SAN. SEWER	EXISTING WASTE OR SAN. SEWER	CONDENSATE DRAIN	GAS	NEW VENT	EXISTING VENT	NEW COLD WATER	EXISTING COLD WATER	NEW HOT WATER	EXISTING HOT WATER RETURN	NEW HOT WATER RETURN	PIPE DROP	PIPE RISE	FLOOR CLEAN-OUT	WALL CLEAN-OUT	FLOOR DRAIN	VENT THRU ROOF	POINT OF CONNECTION	WATER METER	WATER HAMMER ARRESTER	CONCEALED SPRINKLER HEAD	RECESSED PENDANT SPRINKLER HEAD	UPRIGHT SPRINKLER HEAD BRASS FINISH	PENDANT SPRINKLER HEAD BRASS FINISH	EXITING SPRINKLER HEAD	PORTABLE FIRE EXTINGUISHER



PLUMBING & FIRE PROTECTION LEGEND, SYMBOLS AND ABBREVIATIONS

- UNLESS OTHERWISE SPECIFIED, CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT, MATERIAL, LABOR AND SUPERVISION NECESSARY TO COMPLETE THE PLUMBING WORK IN ACCORDANCE WITH THE SPECIFICATIONS AND STANDARDS.
- FIELD VERIFY EXIST SIZE AND LOCATION OF EXISTING WASTE PIPING BELOW SLAB, VENT PIPING ABOVE CEILING AND UP THROUGH ROOF AND COLD WATER SUPPLY PIPING ABOVE CEILING PRIOR TO COMMENCEMENT OF ANY WORK. AFTER INSTALLATION AND FINAL CONNECTION OF NEW WASTE PIPING BELOW SLAB, BACK FILL AND PATCH IN ACCORDANCE WITH THE LANDLORD'S CRITERIA REGARDING SUCH WORK.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL OF THE NECESSARY PLUMBING FIXTURES (SEE PLUMBING RESPONSIBILITY SCHEDULE ON THIS SHEET) TO SERVE THE TENANT'S DEMISED PREMISES AND MAKE NECESSARY INSTALLATION OF DOMESTIC WATER AND SEWER PIPING FROM TENANT'S DEMISED PREMISE TO CONNECTION PROVIDED BY LANDLORD.
- SANITARY VENTS SHALL BE ROUTED TO THE EXISTING LANDLORD'S POINT OF CONNECTION WITHIN THE TENANT'S DEMISED PREMISES OR TO A POINT APPROVED BY LOCAL AUTHORITY. THE CONTRACTOR SHALL PROVIDE A CAPPED TEE FOR POSSIBLE FUTURE CONNECTION IF REQUIRED BY THE LANDLORD. CONTRACTOR SHALL COORDINATE ALL ROOF PENETRATIONS WITH THE LANDLORD'S ROOFING CONTRACTOR, AS REQUIRED. VENT THRU ROOF SHALL BE AT LEAST 15 FEET AWAY FROM 1/2" UNIT FRESH AIR INTAKE.
- SEAL AROUND ALL PIPES PENETRATING FIRE SEPARATIONS WITH LISTED AND APPROVED FIRE SEAL MATERIAL. ONLY LISTED AND APPROVED SEALANTS AND METHODS FOR THE SPECIFIC USE WILL BE PERMITTED.
- THE CONTRACTOR SHALL INSTALL ALL TOILET FIXTURES IN ACCORDANCE WITH ALL CODES AND AS REQUIRED BY LANDLORD'S CRITERIA. CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF THE WATER CLOSET AND NO MORE THAN 44" A.F.F.
- THE CONTRACTOR SHALL ENSURE THAT ALL SLAB PENETRATIONS WITHIN THE TENANT'S DEMISED PREMISES ARE PROPERLY SEALED AND REMAIN WATER TIGHT TO PREVENT ANY POSSIBLE DAMAGE TO OTHER TENANTS AND/OR TO THE BUILDING. FAILURE TO DO SO SHALL BE AT THE RISK AND SOLE EXPENSE OF THE CONTRACTOR.
- ALL MATERIAL SHALL BE NEW AND OF COMMERCIAL GRADE, AND BEAR UNDERWRITER'S LABORATORIES AND UNION LABELS WHERE SUCH LABELING APPLIES.
- PLUMBING CONTRACTOR TO FIELD VERIFY PROPER SLOPE OF EXISTING SEWER TO MAIN SEWER PRIOR TO ANY NEW PLUMBING INSTALLATION.
- PLUMBING CONTRACTOR MUST VISIT THE JOBSITE TO BECOME FAMILIAR WITH MAJOR ITEMS SUCH AS STRUCTURAL ELEMENTS AND OTHER EXISTING JOB CONDITIONS THAT MAY AFFECT THE WORK. ADDITIONALLY, PLUMBING CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND DIMENSIONS OF SUCH ITEMS AS WASTE, VENTS, WATER LINES, ETC.
- PLUMBING CONTRACTOR TO FAMILIARIZE AND FOLLOW SPECIFICATIONS AND DETAILS CONTAINED IN DESIGN CRITERIA OF TENANT HANDBOOK.
- PLUMBING CONTRACTOR SHALL PROVIDE ACCESS TO VALVES, TRAP PRIMERS, ETC. INSTALLED BEHIND WALLS, FLOORS OR CEILINGS.
- NO PVC PLASTIC PIPING ALLOWED WITHIN CEILING VOIDS USED FOR NON-DUCTED RETURN AIR PLenum OR IN WALLS, EXCEPT IN CANADA WHERE XPR-PVC MAY BE USED IF PERMITTED BY THE AUTHORITY HAVING JURISDICTION.
- THE GENERAL CONTRACTOR SHALL FIRE SPRINKLER SUB-CONTRACTOR SHALL DESIGN AND INSTALL FIRE SPRINKLER SYSTEM CONFORMING TO LANDLORD'S CRITERIA, TENANT'S REQUIREMENTS, AND PER LOCAL CODES AND NFPA STANDARDS.
- HEADS MOUNTED UNDER EIGHT FEET (8'-0") ABOVE FINISHED FLOOR SHALL BE CONCEALED OR BE PROVIDED WITH WIRE GUARDS.
- THESE PLANS MAY BE USED FOR CONSTRUCTION ONLY AFTER APPROVAL IS OBTAINED FROM THE BUILDING DEPARTMENT PLUMBING PLAN CHECK DIVISION AND THAT DIVISION'S STAMPED APPROVAL AND AUTHORIZED SIGNATURE APPEAR ON THE PLANS.
- COORDINATE ALL WORK WITH ALL TRADES INCLUDED BUT NOT LIMITED TO ELECTRICAL, FIRE PROTECTION, MECHANICAL, AND STRUCTURAL CONTRACTORS. INSTALL ALL WORK TO CLEAR NEW AND EXISTING ARCHITECTURAL AND STRUCTURAL MEMBERS. NO ITEM SUCH AS PIPE, DUCT, ETC. IS TO BE IN CONTACT WITH ANY EQUIPMENT.
- REFER TO ARCHITECTURAL DRAWINGS FOR DEMOLITION WORK.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE LOCATION.
- CONTRACTOR SHALL PROVIDE CUT SHEETS TO BBW FOR ALL EQUIPMENT AND DEVICES FURNISHED BY THE CONTRACTOR THAT DEVIATE FROM SPECIFIED ITEM FOR REVIEW AND APPROVAL PRIOR TO THE PURCHASE OF ANY SUCH EQUIPMENT OR DEVICES.
- THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY THE EXACT LOCATIONS, SIZES, INVERTS AND CONDITION OF EXISTING SANITARY WASTE PIPING BELOW SLAB, VENT PIPING ABOVE CEILING AND UP THROUGH ROOF AND DOMESTIC COLD WATER SUPPLY PIPING TO TENANT'S DEMISED PREMISES PRIOR TO SUBMITTING HIS BID. NO ADDITIONAL COMPENSATION WILL BE MADE FOR ANY EXCESS DUE TO CONTRACTOR'S FAILURE TO VISIT THE JOB SITE AND/OR FAILURE TO DETERMINE ALL EXISTING CONDITIONS BEFORE SUBMITTING HIS BID.
- ACCESS TO ALL COMPONENTS AND EQUIPMENT MUST BE PROVIDED TO MEET CODE AND SERVICE/MAINTENANCE USAGE.
- THE CONTRACTOR SHALL VERIFY WITH LOCAL CODES AS TO THE REQUIREMENT/INSTALLATION OF ANY "WATER SAVING" DEVICES TO THE PLUMBING FIXTURES. (EXAMPLE: TOILET, FAUCETS, ETC.).
- PLUMBING SYSTEM SHALL BE PRESSURE TESTED AND STERILIZED PER LANDLORD'S CRITERIA AND LOCAL AUTHORITY.
- UPON COMPLETION OF THE WORK, CONTRACTOR SHALL ENSURE THE PROPER WORKING ORDER OF THE SYSTEM(S) AND MAKE ANY ADJUSTMENTS AS REQUIRED.

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PROJECT INFORMATION:
104.01.0737.01
BATH & BODY WORKS
SOUTH HILL MALL
SPACE NO. 235
3500 S. MERIDIAN STREET
POTTLAUP, WA 98375

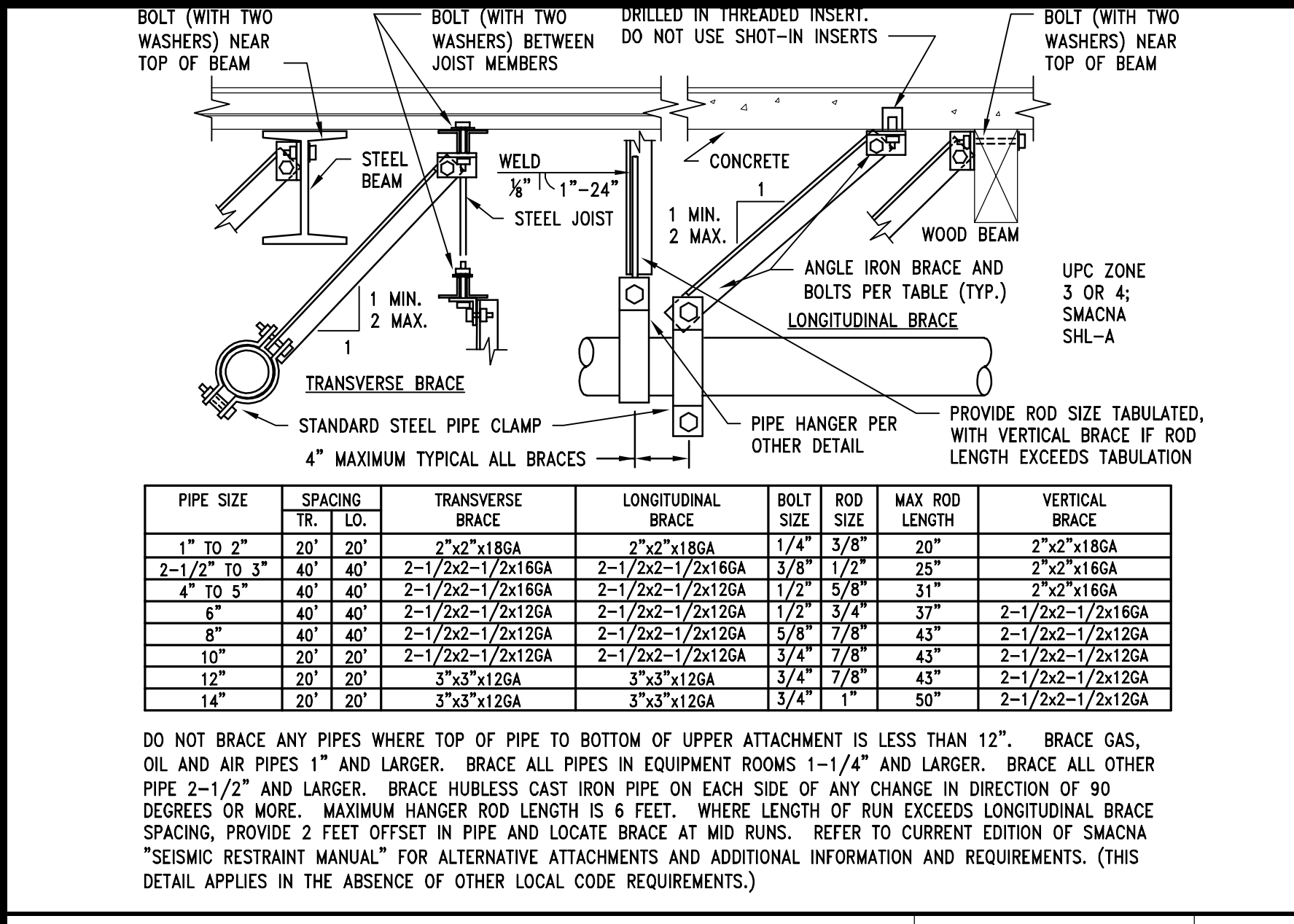
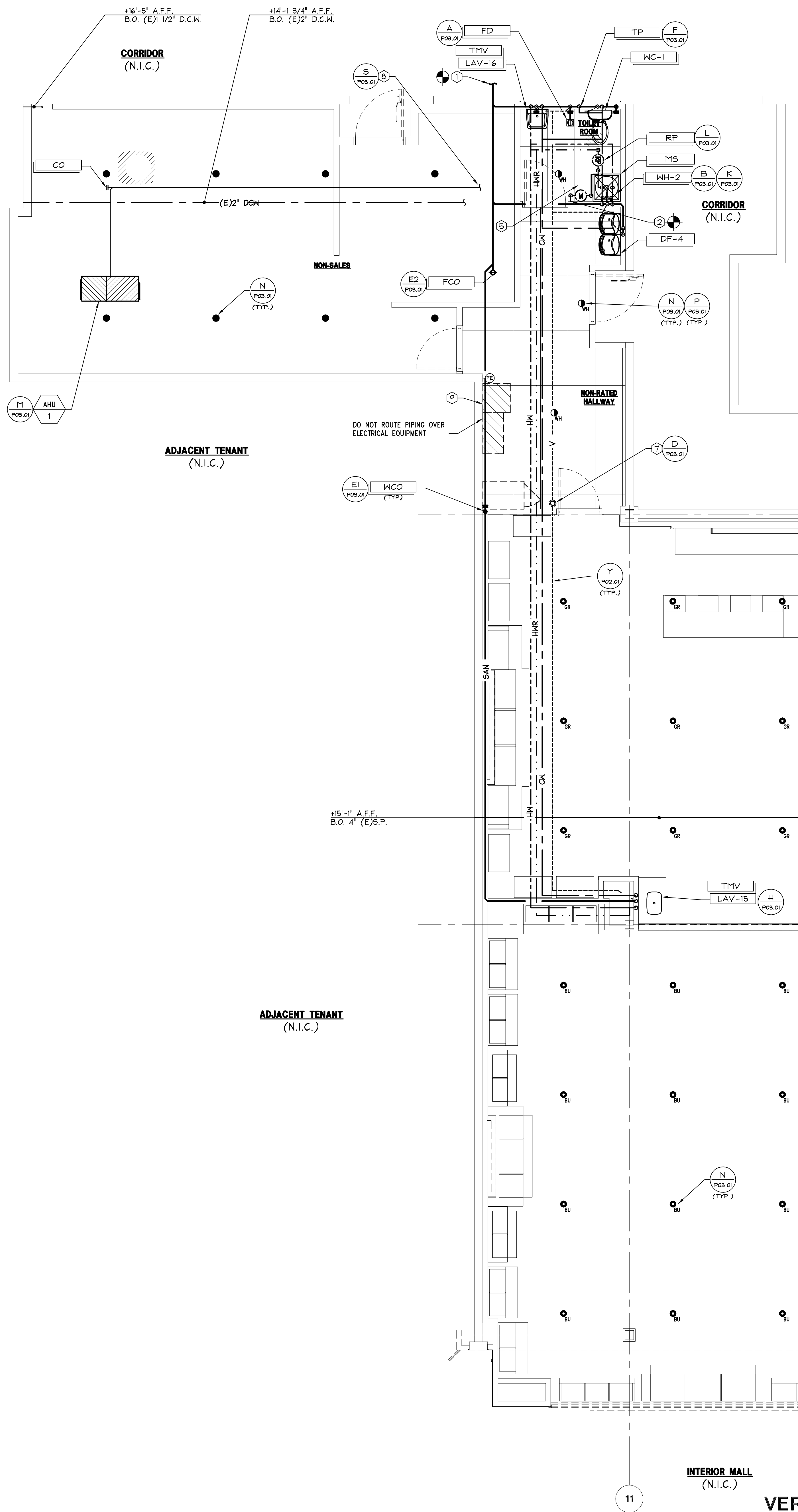
REVISIONS:
REQUIRED BY: _____ DATE: _____
DESIGNED BY: _____ MAR
DRAWN BY: _____ TBA
CHECKED BY: _____ NJK

PLUMBING NOTES, SCHEDULES AND ISOMETRICS

DRAWING NUMBER: **P01.01**

DATE ISSUED: 11/04/2022
DESIGNED BY: MAR
DRAWN BY: TBA
CHECKED BY: NJK

PACKAGE: SIS, PKG 2
FULL REMODEL: 2315G.00
BBW ES/WBC 2021 GENERATION: 00116082
A/E PROJECT #:
SCALE: 1/8" = 1'-0"
DESIGN TYPE: BBW PROJECT #:



- CONNECT (N) 4" SANITARY SEWER BELOW SLAB TO (E) SANITARY SEWER LINE. (FIELD VERIFY EXACT SIZE AND LOCATION - MIN. 4")
 - CONNECT (N) 1" COLD WATER TO (E) COLD WATER LINE. (FIELD VERIFY EXACT SIZE AND LOCATION - MIN. 1")
 - P.O.G.-OF (N)-VENT-TO (E)-VENT-LINE. (FIELD-VERIFY EXACT-SIZE-AND-LOCATION- MIN.-2")
 - 1" CONDENSATE DRAIN ON ROOF TO DISCHARGE TO SPLASH BLOCK. REFER TO DETAIL J ON SHEET P03.01.
 - PLUMBING CONTRACTOR TO PROVIDE WATER METER - 'HERSEY MODEL NO. 3/4" MVV' AT MINIMUM OF 21 GPM. VERIFY LOCATION. MOUNT 48" ABOVE FINISHED FLOOR. MAKE NECESSARY CONNECTIONS AS REQUIRED. METER TO READ IN GALLONS.
 - ROUTE TO APPROVED GAS METER LOCATION WITH REGULATOR. TOTAL GAS LOAD = 700 GPH AND A TOTAL DEVELOPED LENGTH = 100 FEET. FIELD VERIFY EXACT LOCATION OF METER AND GAS COMPANY REQUIREMENTS.
 - PROVIDE NEW VENT THROUGH ROOF, PER DETAIL D ON SHEET P03.01.
 - 1" CONDENSATE DRAIN FROM EQUIPMENT TO DISCHARGE AT MOP SINK. REFER TO DETAILS M & S ON SHEET P03.01.
 - NO PIPING SHALL BE ROUTED OVER ELECTRICAL GEAR. ANY EXISTING PIPING LESS THAN 6'-0" ABOVE SHALL BE RELOCATED. ANY PIPING ABOVE 6'-0" SHALL BE PROVIDED WITH A DRIP PAN.
- SUPPORT PLUMBING / FIRE SPRINKLER SYSTEMS PER APPROPRIATE SEISMIC DESIGN CATEGORY (C, D, E, F) WITH SEISMIC RESTRAINTS IN ACCORDANCE WITH THE LOCAL BUILDING CODE AND AHJ.
- GC SHALL PROVIDE COVERS ON ALL FLOOR DRAINS DURING CONSTRUCTION TO PREVENT DEBRIS IN PIPES.
- SPRINKLER HEADS SHOWN FOR REFERENCE. STYLE, FINISH, SUGGESTED LOCATION AND QUANTITY ONLY. FILED UNDER SEPARATE PERMIT.
- GC TO PROVIDE WRITTEN REPORT TO BBW PM ON CONDITION OF EXISTING SEWER TIE-IN REGARDING SLOPE AND FLOW.
- SCOPE WITH CAMERA PRIOR TO CONNECTION.
 - DO NOT CONNECT WITHOUT BBW PM AUTHORIZATION IF SPECS NOT MET.

SEISMIC BRACING FOR PIPE NTS 11/07/2014
PLUMBING AND FIRE SPRINKLER HEAD PLAN KEYNOTES NTS 11/17/21

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THESE DRAWINGS AND SPECIFICATIONS ARE PREPARED FOR USE ON A SPECIFIC SITE. THESE DRAWINGS AND SPECIFICATIONS ARE NOT TO BE USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER. THE ENGINEER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED TO HIM BY THE ARCHITECT OR OTHER PROFESSIONALS. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THESE DRAWINGS AND SPECIFICATIONS. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY CONSTRUCTION DEFECTS OR DELAYS. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY COSTS INCURRED BY THE ARCHITECT OR OTHER PROFESSIONALS. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY OTHER MATTERS NOT EXPRESSLY PROVIDED FOR IN THESE DRAWINGS AND SPECIFICATIONS.

PROJECT INFORMATION: 104.01.0737.01
BATH & BODY WORKS
 SOUTH HILL MALL
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 3500 S. MENTAN STREET
 POTTLAP, WA 98373

SCOPE: PLUMBING AND FIRE SPRINKLER HEAD PLAN
DESIGN TYPE: A/E PROJECT #:
BBW PROJECT #:

REVISIONS:

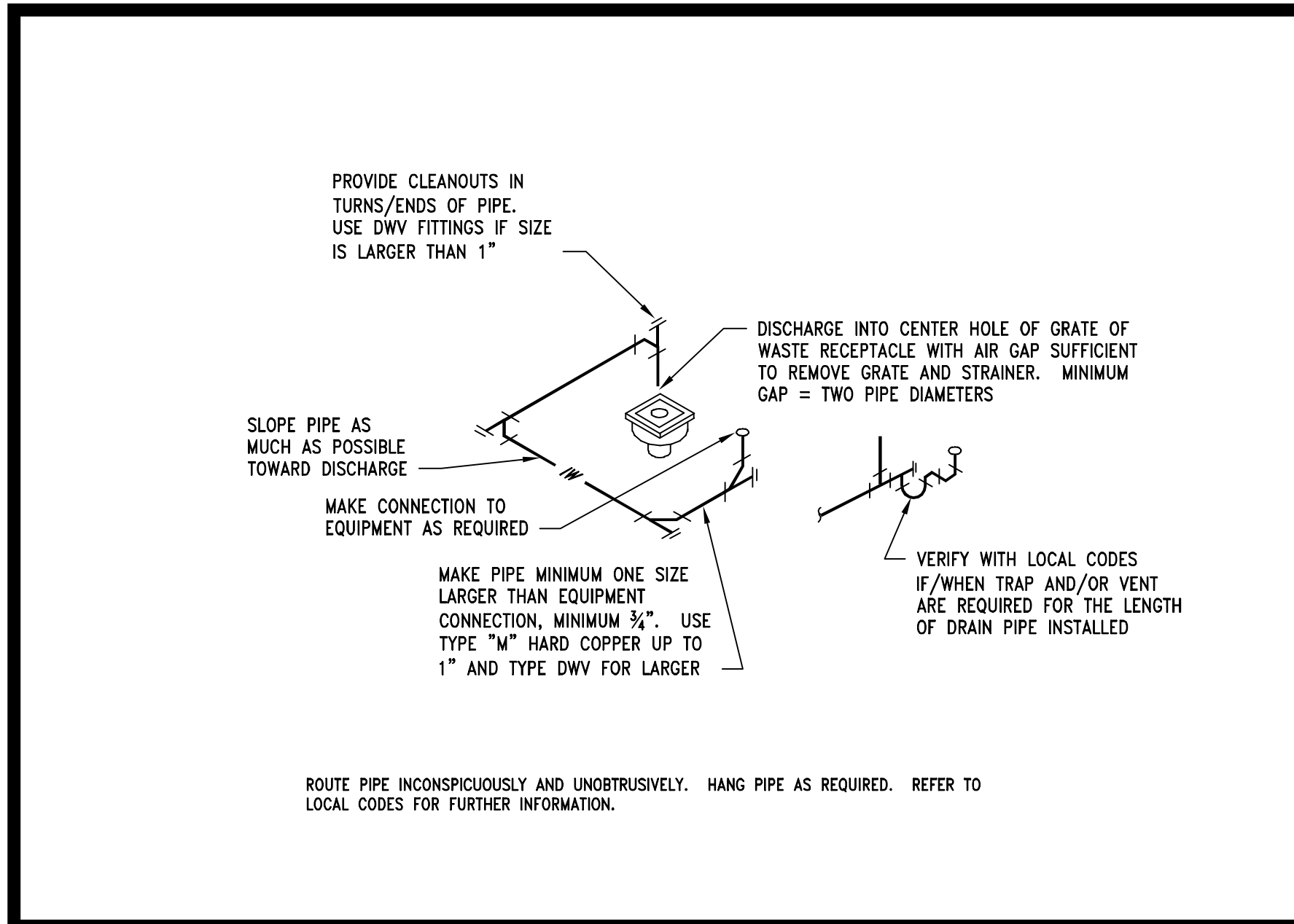
NO.	DESCRIPTION	DATE

DATE ISSUED: 11/04/2022
DESIGNED BY: MAR
DRAWN BY: TBA
CHECKED BY: NJK

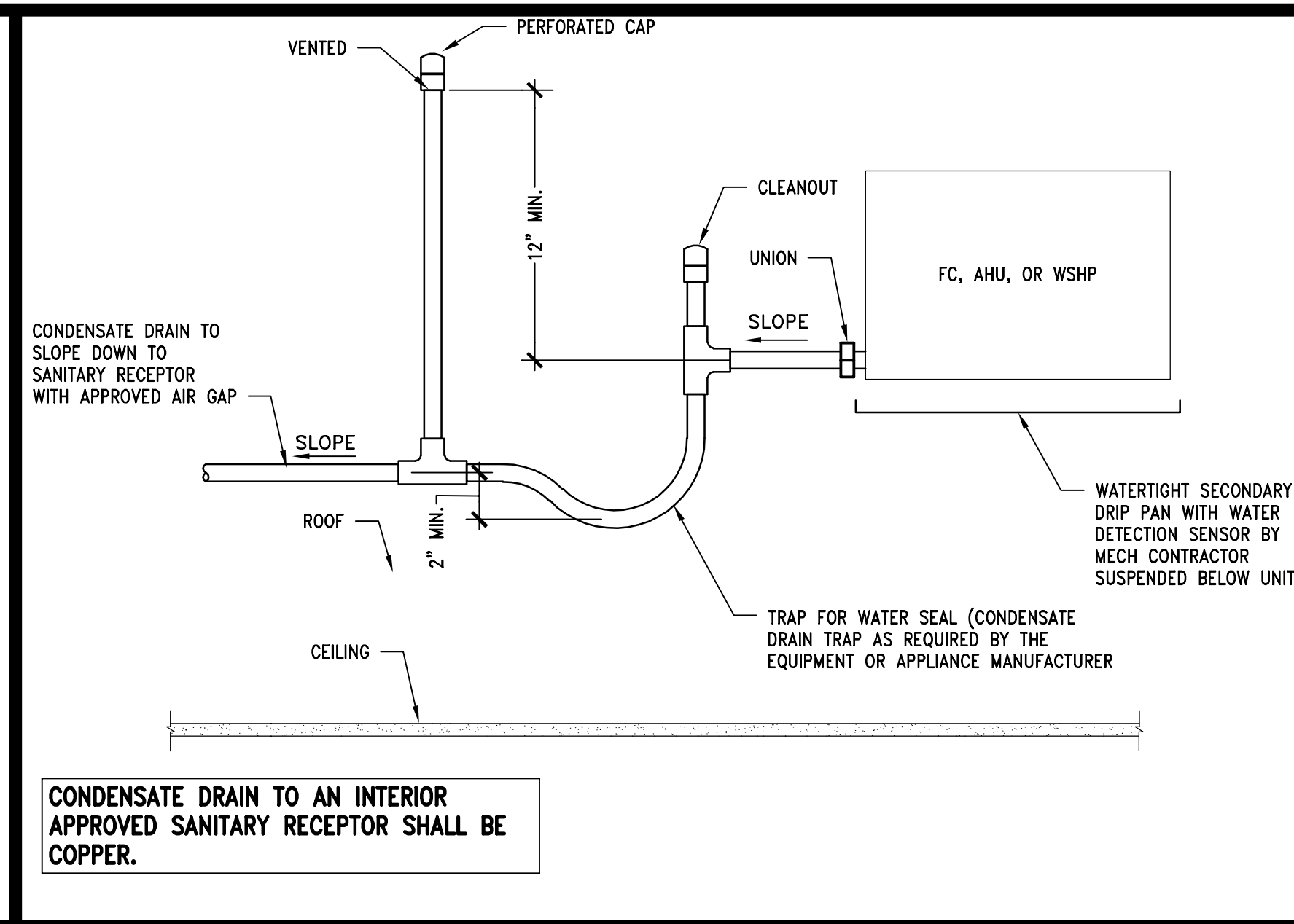
PLUMBING AND FIRE SPRINKLER HEAD PLAN
 DRAWING NUMBER: **P02.01**

1/4" = 1'-0" **A**

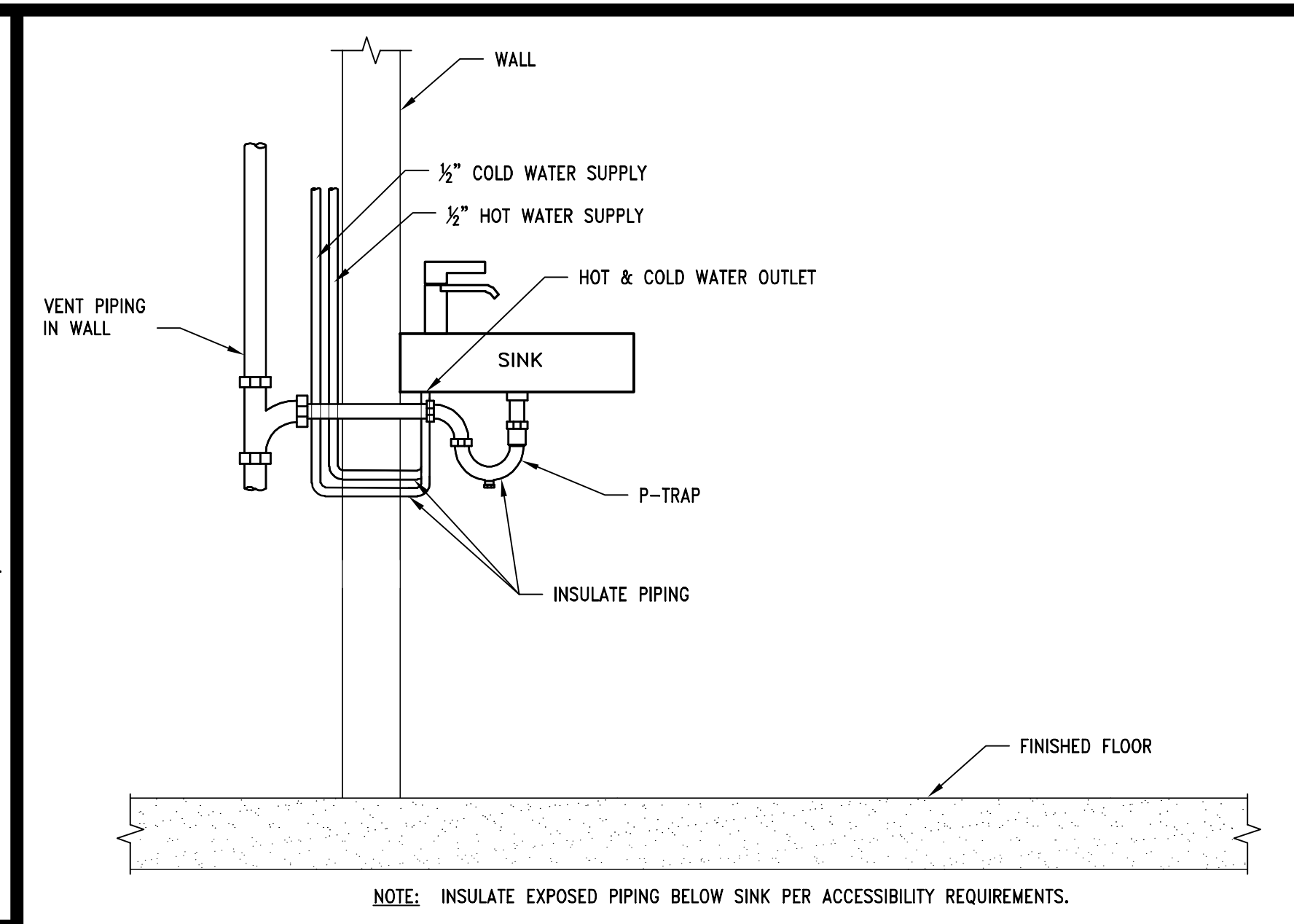
VERIFY ALL FIELD CONDITIONS PRIOR TO BID



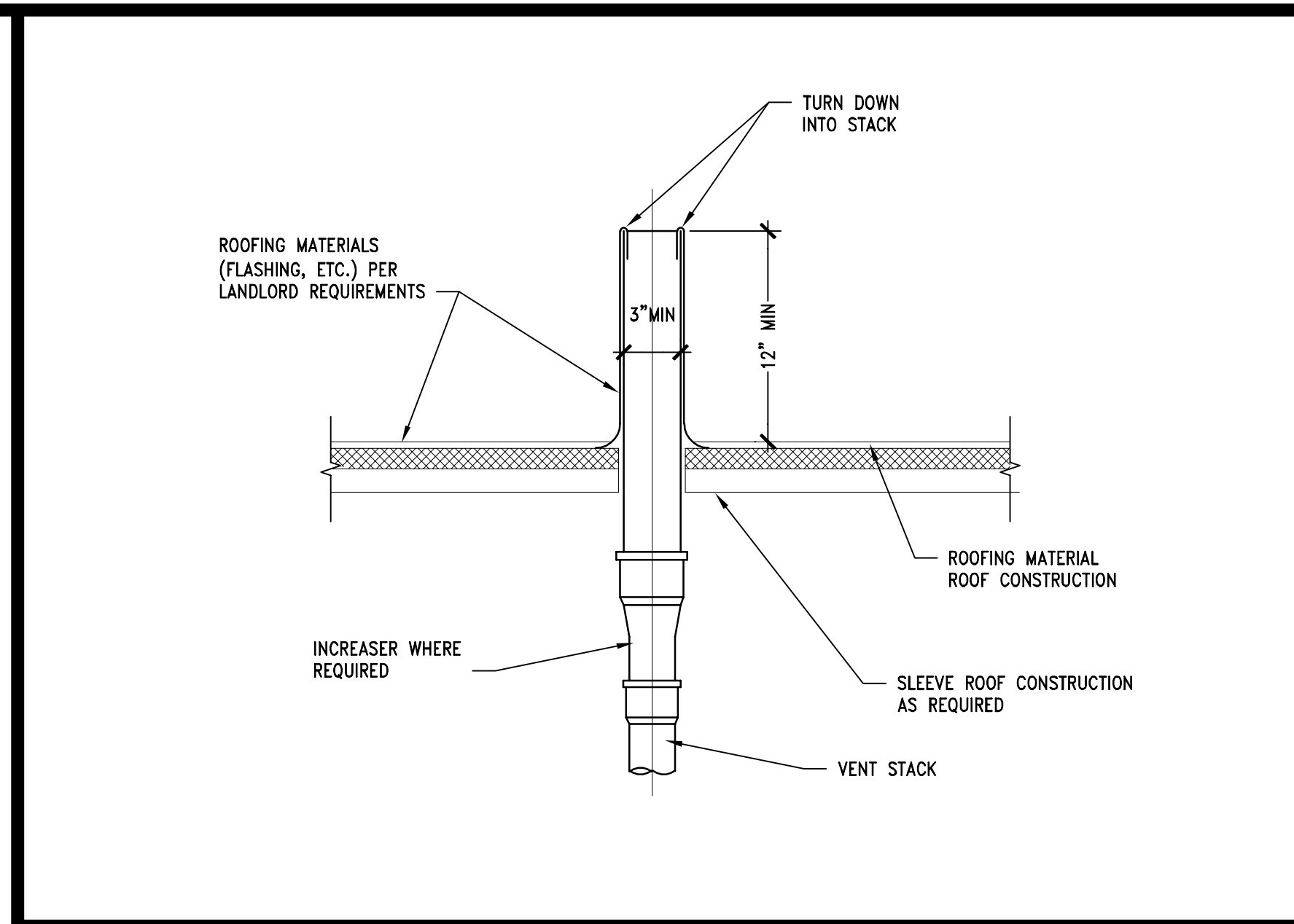
CONDENSATE DRAIN DETAIL NTS 00D-P0301-K01-COMD 09/03/2016



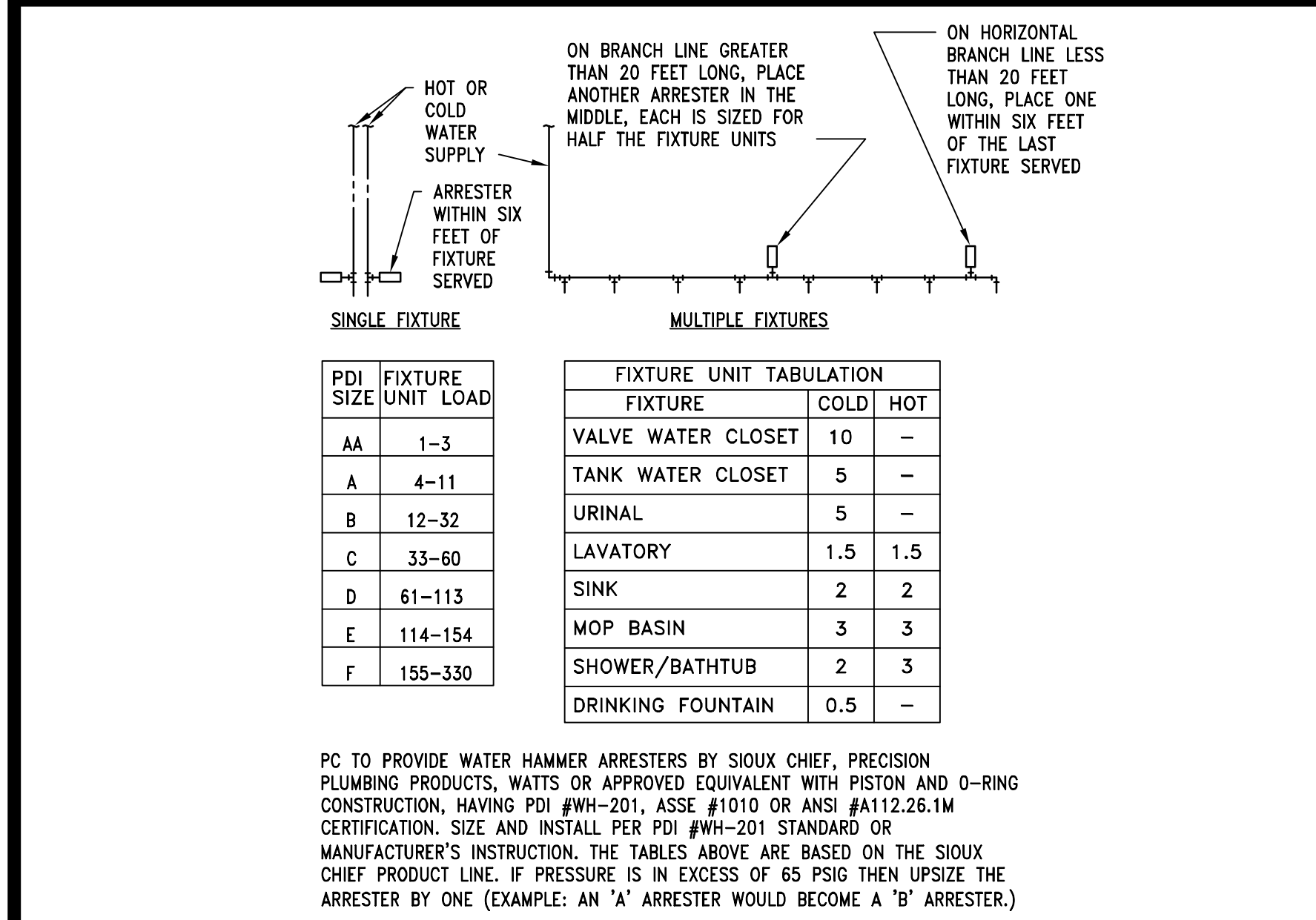
CONDENSATE DRAIN DETAIL 1" = 1'-0" 00D-P0301-J02-COMD 09/03/2016



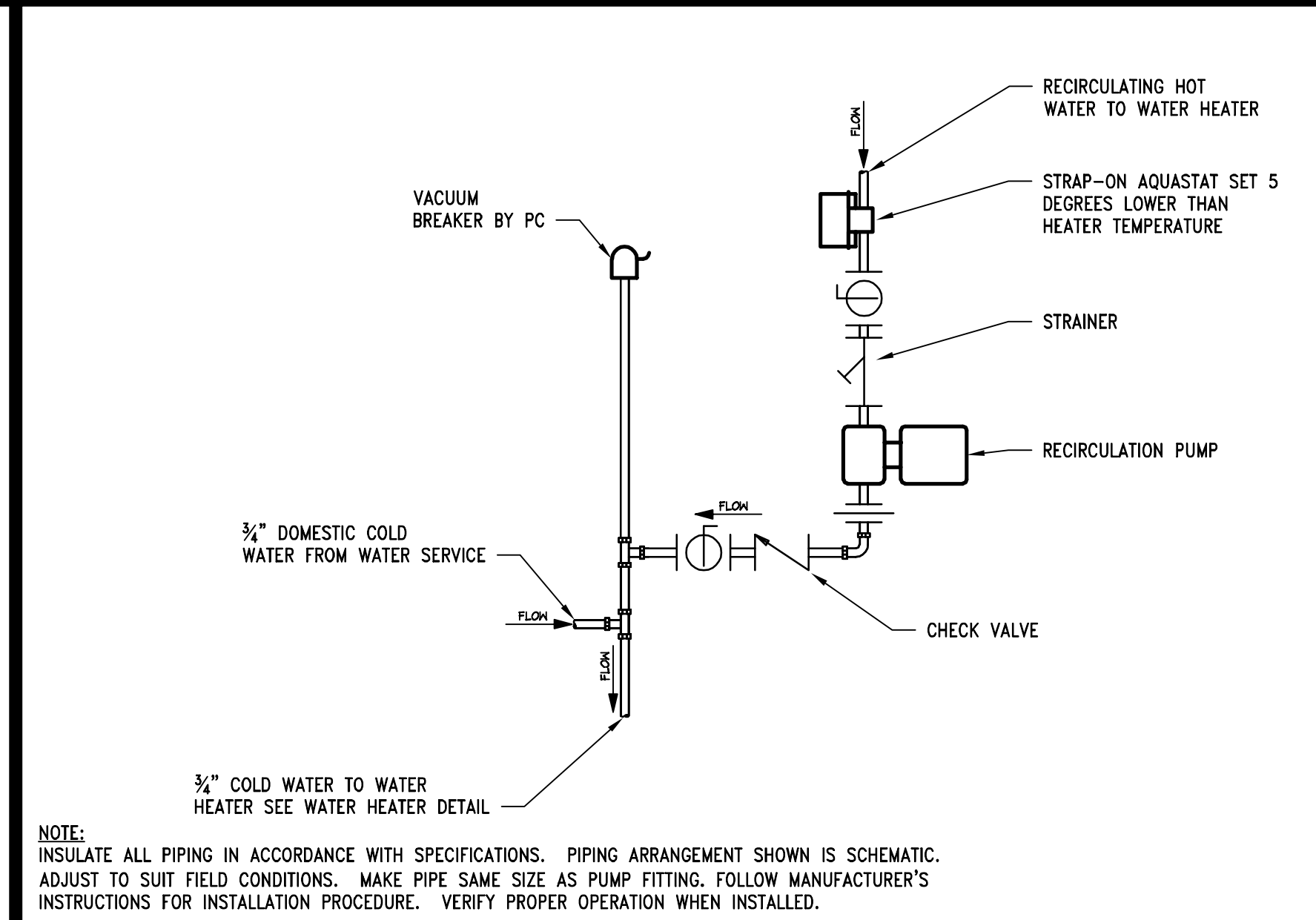
DEMONSTRATION SINK DETAIL NTS 42D-P0301-H03-DEMO 09/03/2016



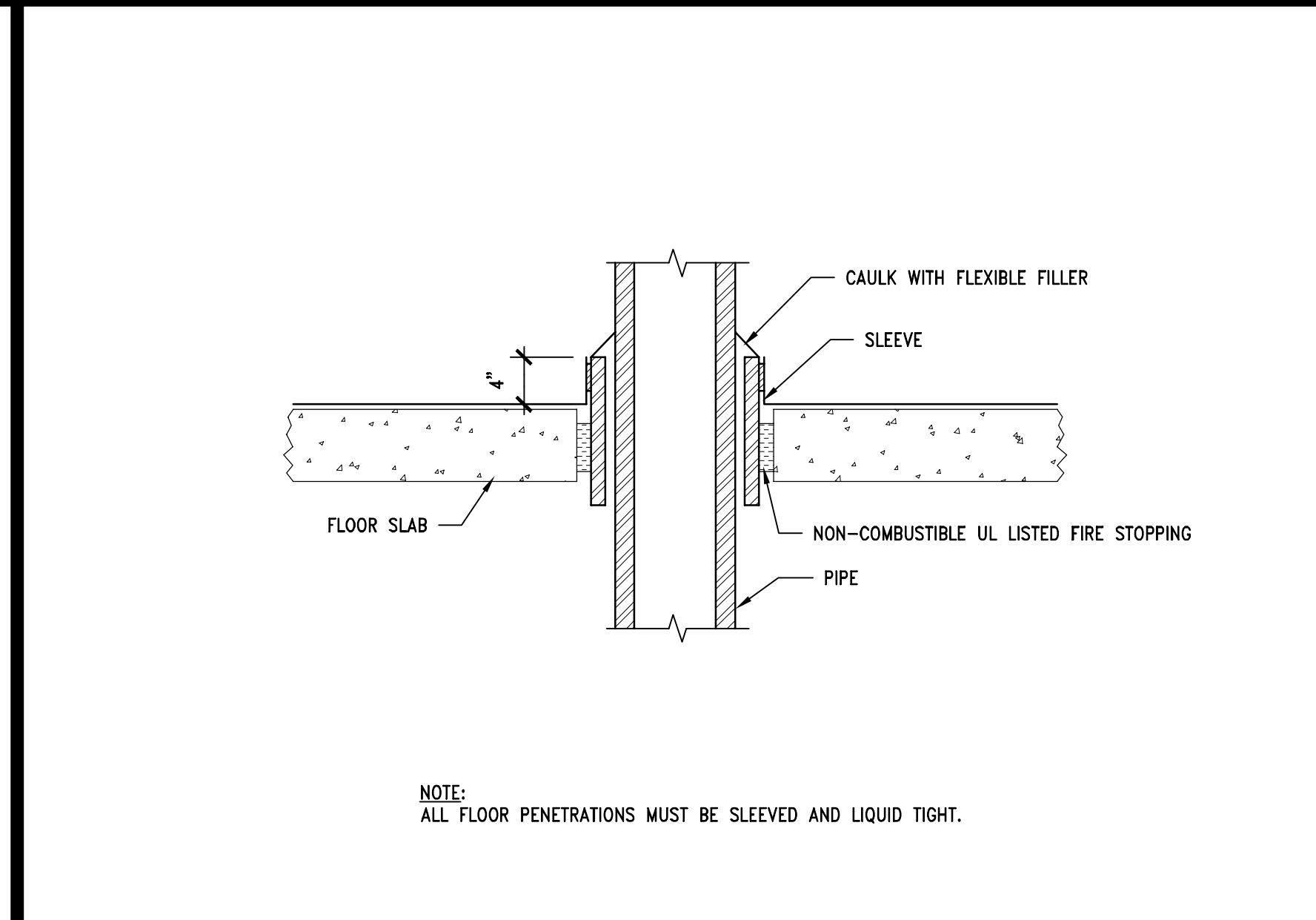
VENT THRU ROOF DETAIL 1-1/2" = 1'-0" 00D-P0301-D00-VTR 09/03/2016



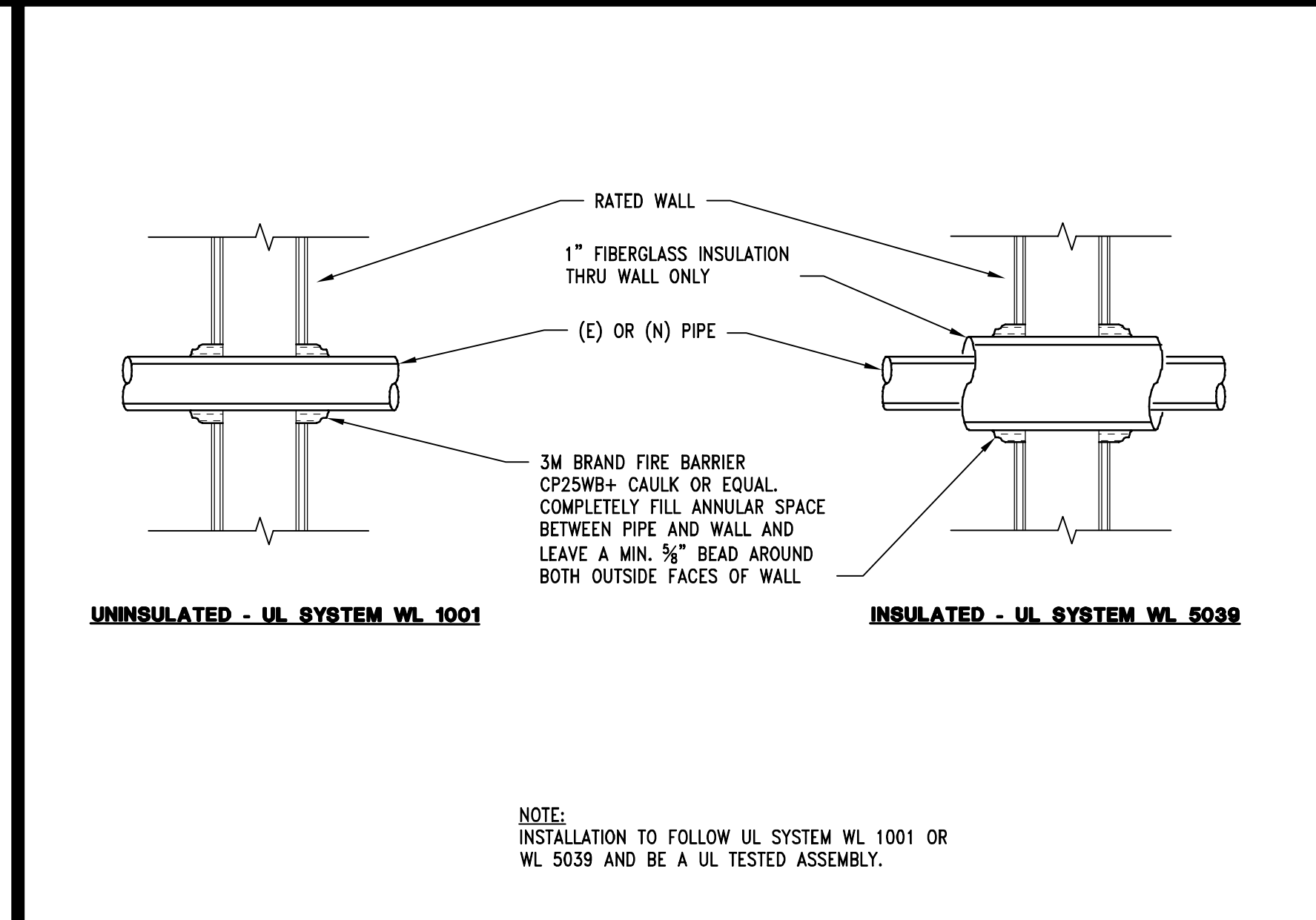
WATER HAMMER ARRESTERS NTS 00D-P0301-R00-WHAI 10/30/2014



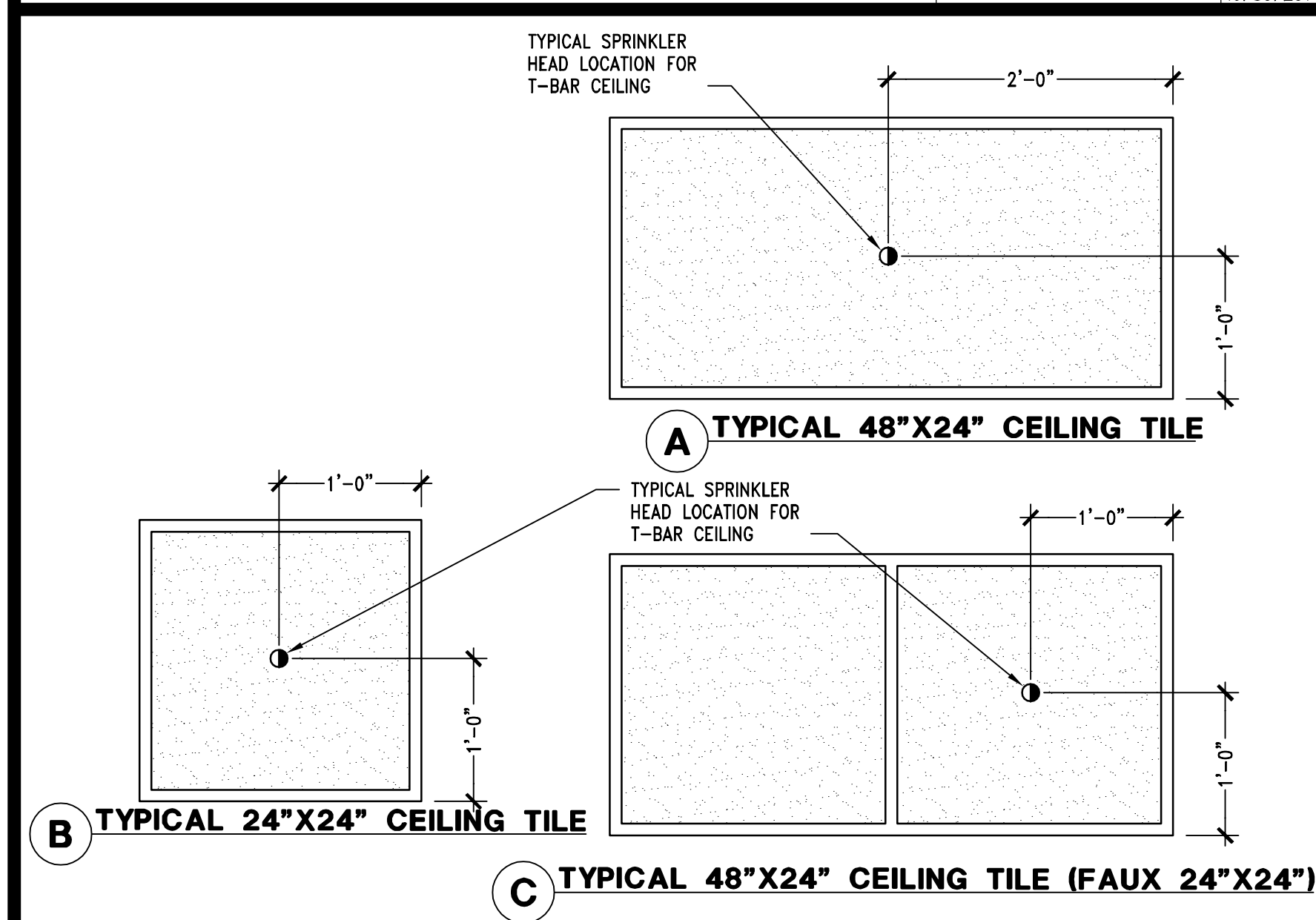
HOT WATER RECIRC. PUMP DETAIL NTS 08/11/15



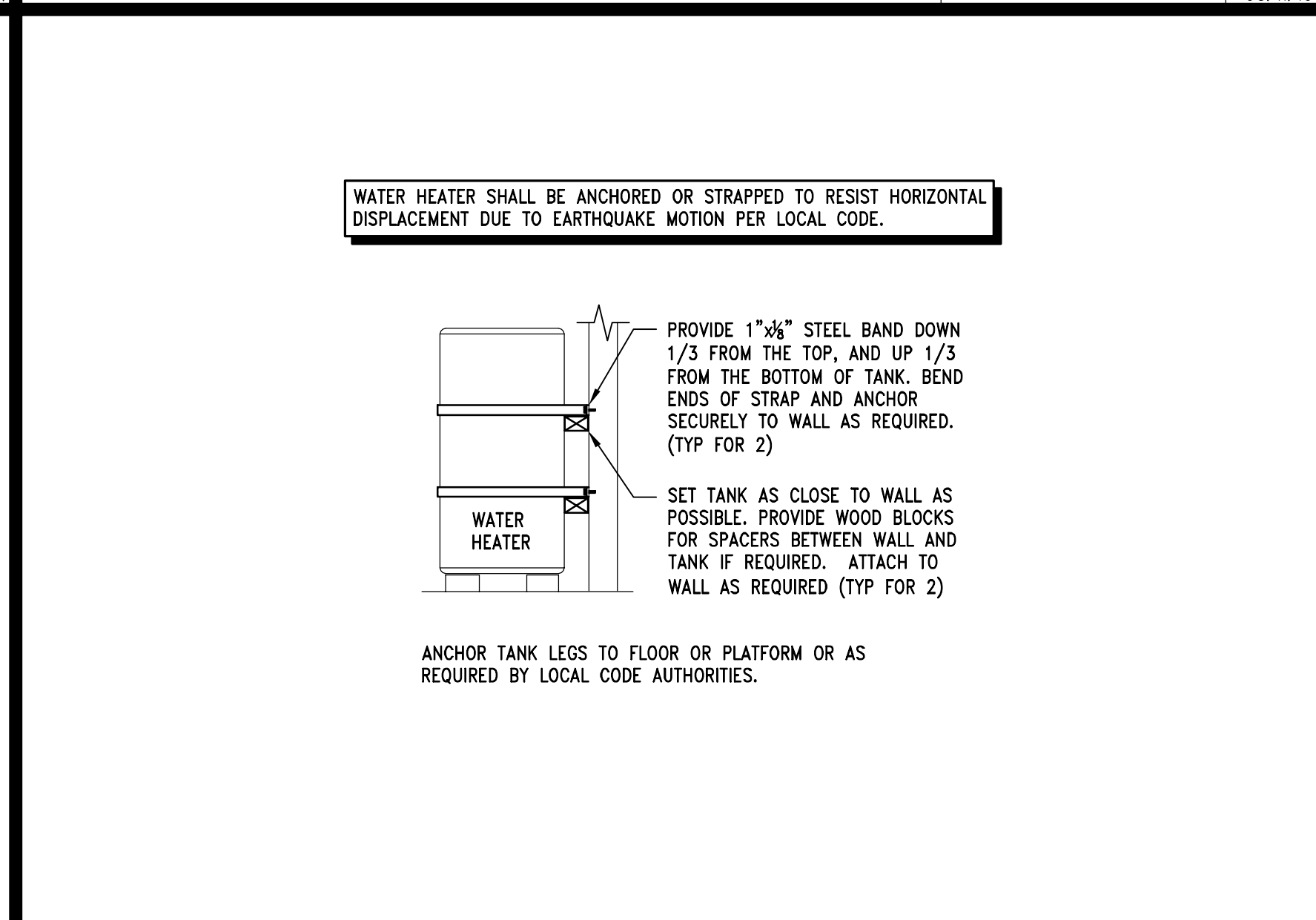
PIPE FLOOR PENETRATION DETAIL NTS 00D-P0301-G00-PPEN 09/03/2016



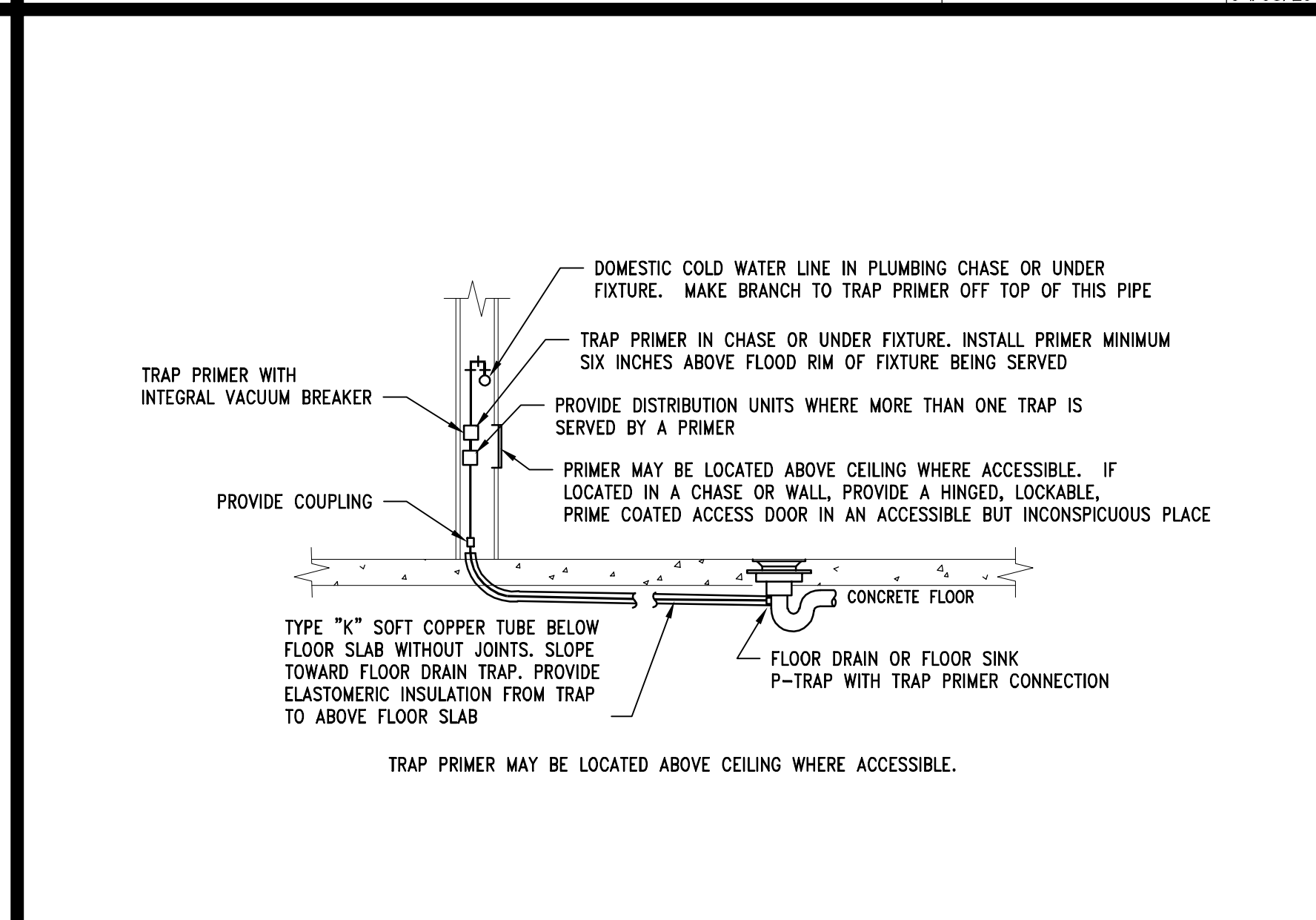
PIPE THRU FIRE WALL PENETRATION DETAIL NTS 00D-P0301-G00-PTFW 09/03/2016



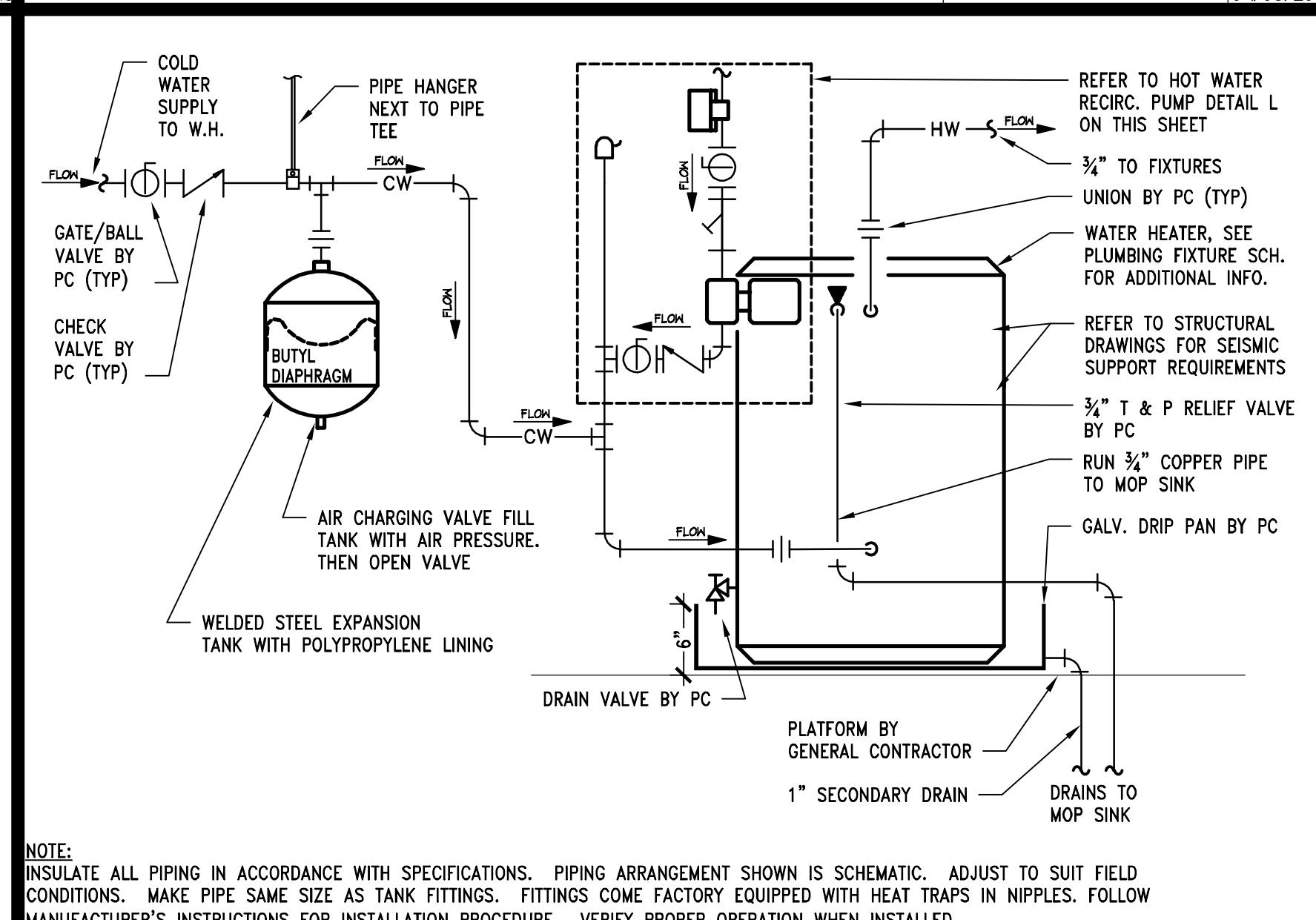
FIRE SPRINKLER HEAD LOCATION DETAILS 1" = 1'-0" 00D-P0301-P00-FSHL 09/03/2016



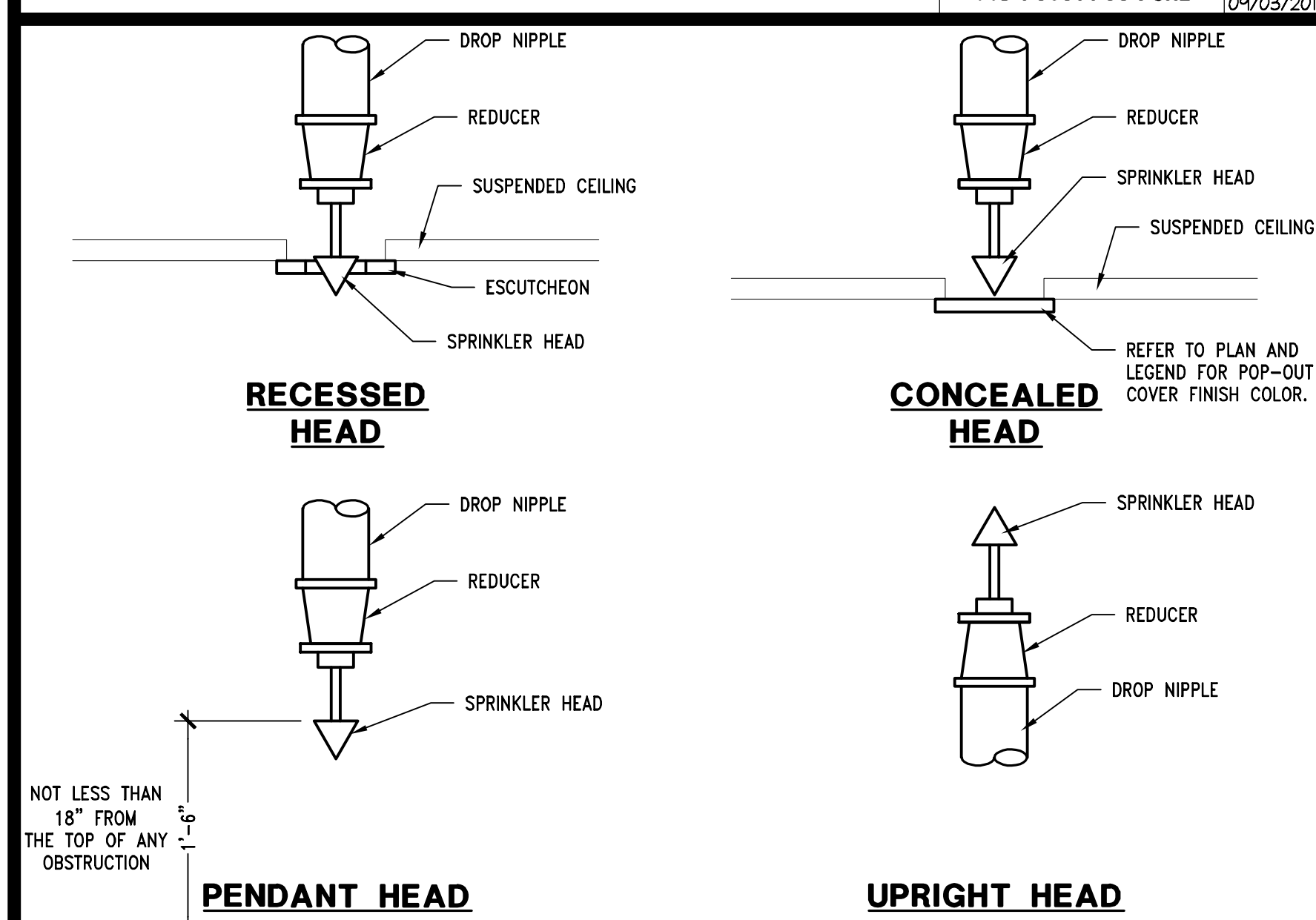
TANK SEISMIC RESTRAINT NTS 00D-P0301-M01-TSRT 11/07/2014



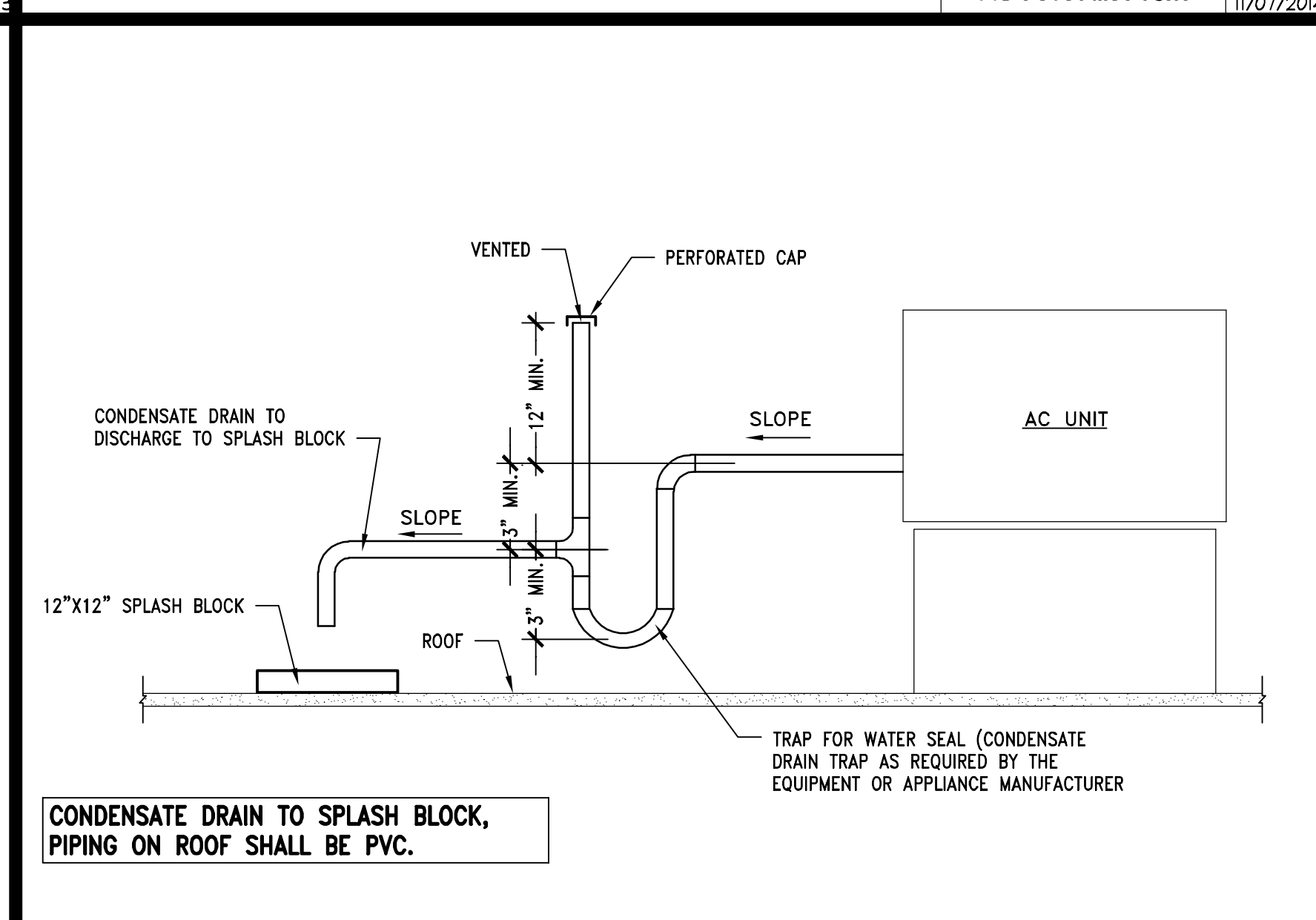
TRAP PRIMER 1" = 1'-0" 00D-P0301-F01-TRAP 09/03/2016



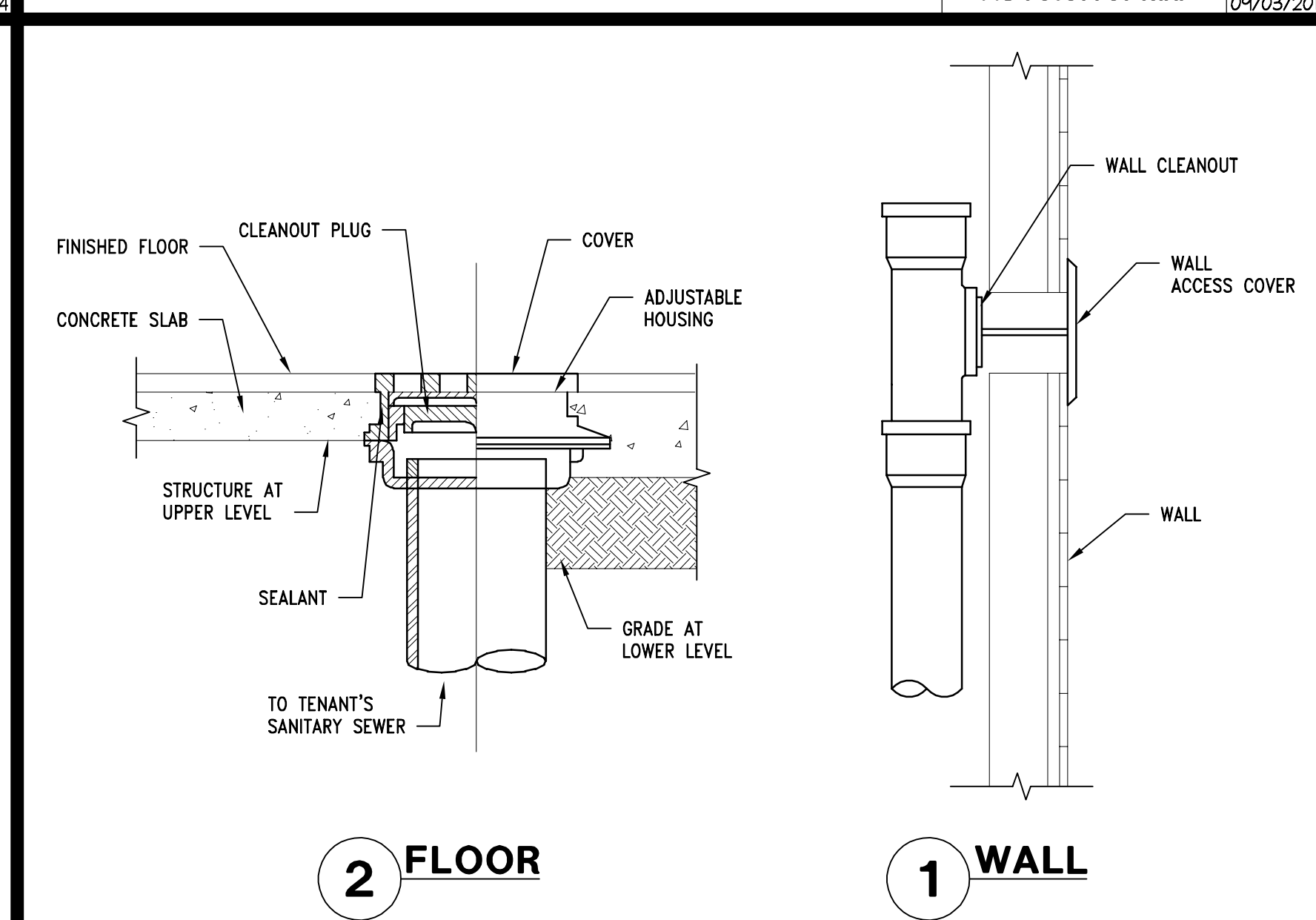
WATER HEATER DETAIL 1" = 1'-0" 00D-P0301-B00-WTHR 09/03/2016



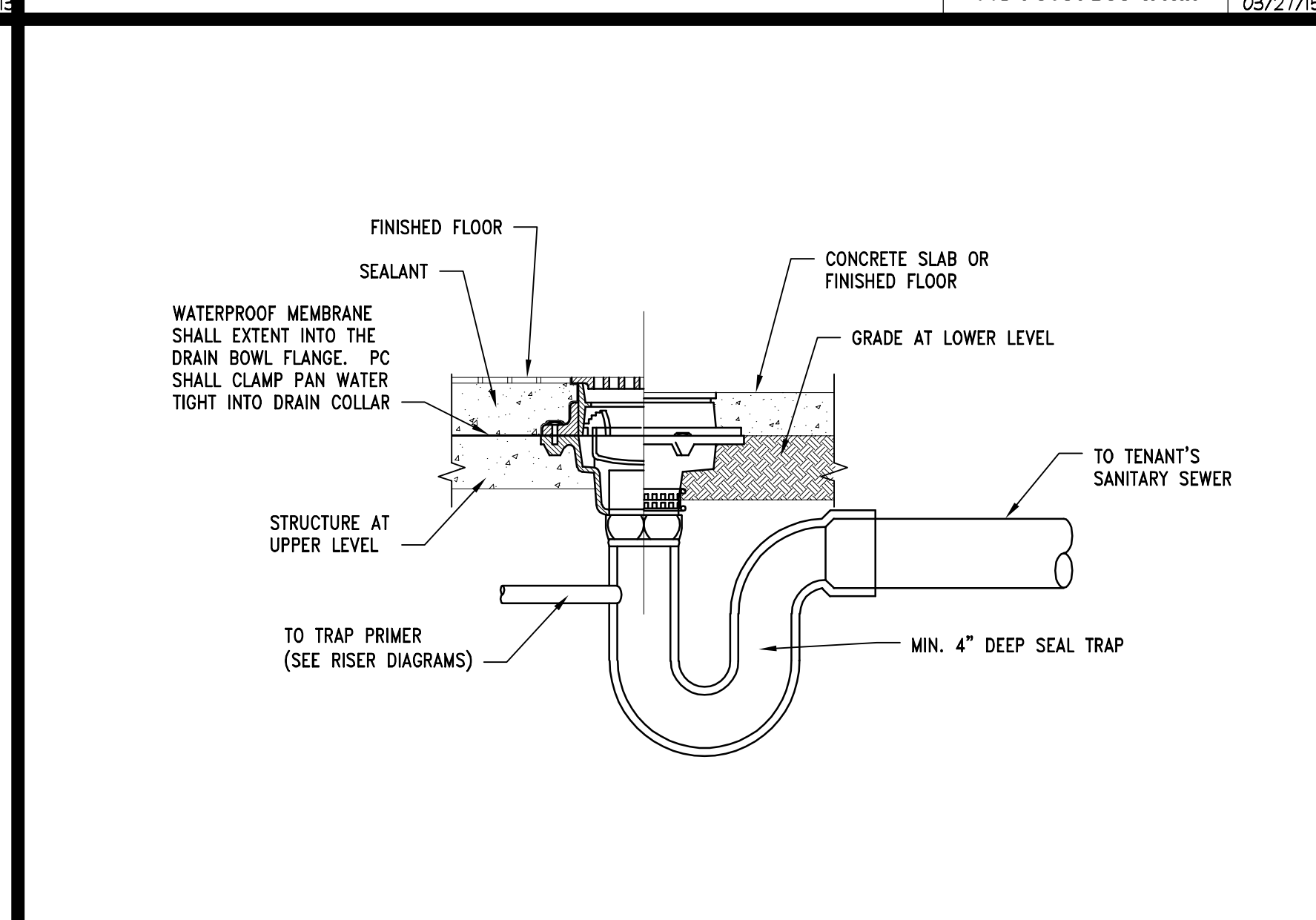
FIRE SPRINKLER HEAD DETAILS NTS 00D-P0301-N00-FSHD 02/14/2016



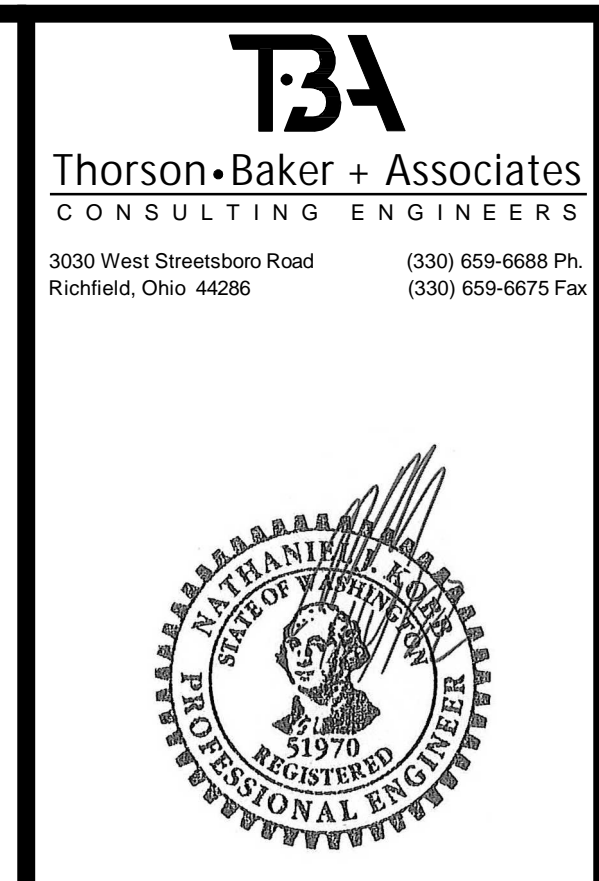
CONDENSATE DRAIN DETAIL 1" = 1'-0" 00D-P0301-J00-COMD 09/03/2016



CLEANOUT DETAILS NTS 00D-P0301-E00-FWCO 09/03/2016



FLOOR DRAIN DETAIL NTS 00D-P0301-A00-FDRN 09/03/2016



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PROJECT INFORMATION:
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SOUTH HILL MALL
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POTTLUP, WA 98373

REVISIONS:

REQUIRED BY: _____ DATE: _____

DATE ISSUED: 11/04/2022
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CHECKED BY: NJK

PLUMBING AND FIRE PROTECTION DETAILS

DRAWING NUMBER: P03.01

104.01.0737.01

PACKAGE: 2022.10.12.0

GENERATION: 00116082

PROJECT #: _____

REVISIONS:

REQUIRED BY: _____ DATE: _____

DATE ISSUED: 11/04/2022
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DRAWN BY: TBA
CHECKED BY: NJK

PLUMBING AND FIRE PROTECTION DETAILS

DRAWING NUMBER: P03.01

104.01.0737.01

PACKAGE: 2022.10.12.0

GENERATION: 00116082

PROJECT #: _____

REVISIONS:

REQUIRED BY: _____ DATE: _____

DATE ISSUED: 11/04/2022
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DRAWN BY: TBA
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PLUMBING AND FIRE PROTECTION DETAILS

DRAWING NUMBER: P03.01

