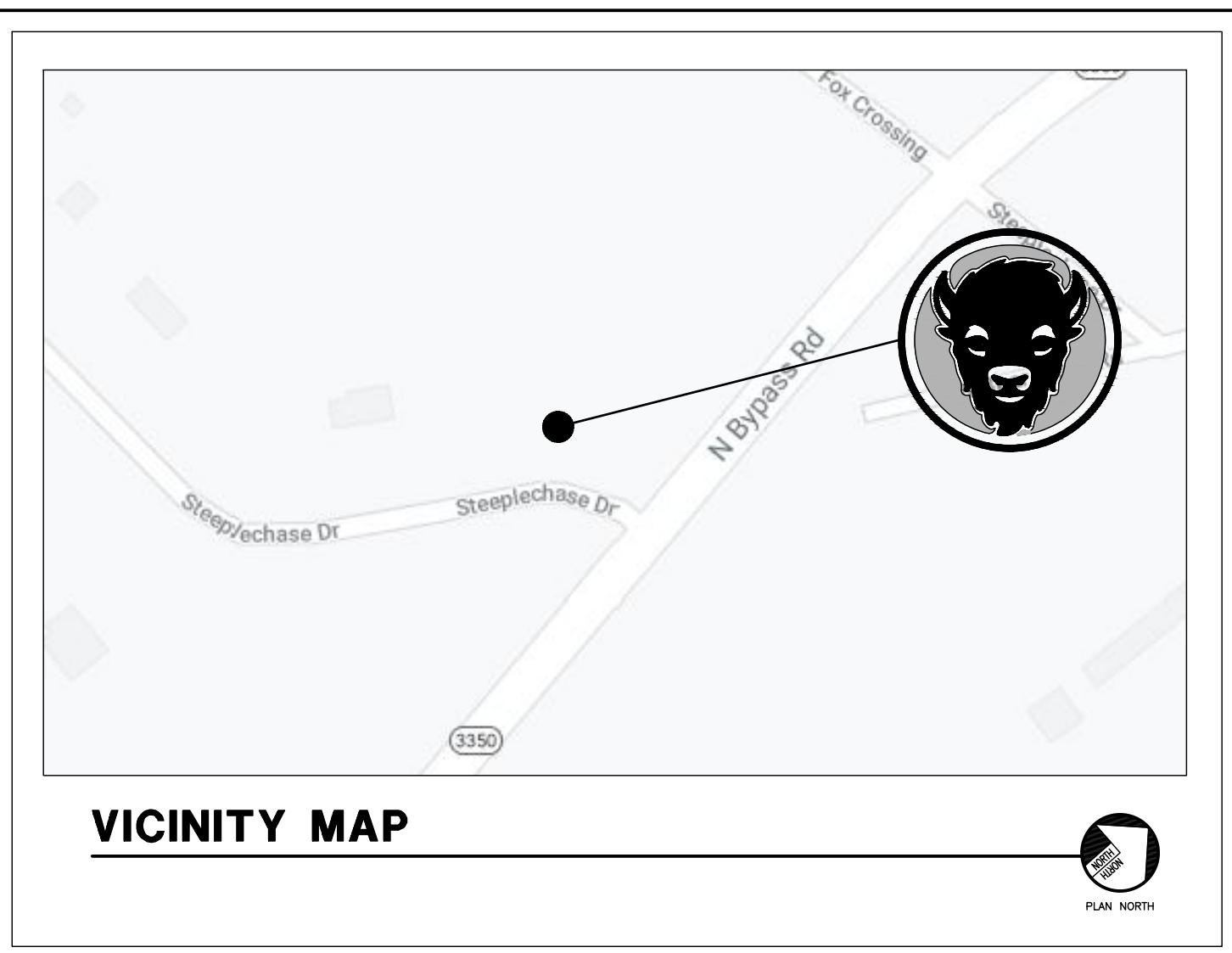


**PROJECT RESPONSIBILITY MATRIX**

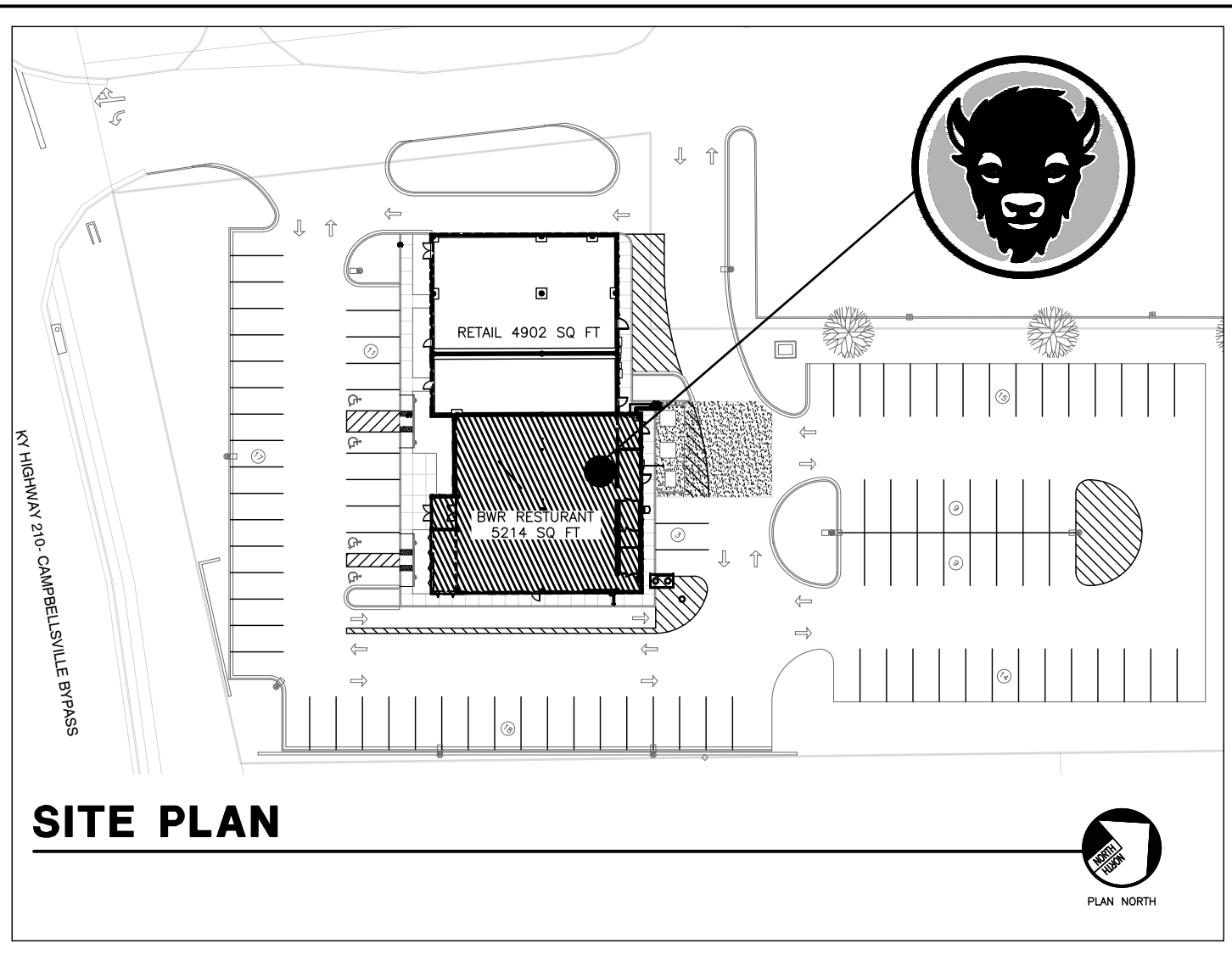
NOTE: GENERAL CONTRACTOR TO ASSUME ALL ITEMS NOT INDICATED ON RESPONSIBILITY MATRIX SHALL BE FURNISH, INSTALLED AND COORDINATED BY GENERAL CONTRACTOR.

NO.	DESCRIPTION	OWNER	DESIGNER	GC	INSTALLER	COORDINATOR	PROVIDER	NOTES
		F	F	F	F	F	F	
01	GENERAL REQUIREMENTS	RECD	F	F	F	F	F	As required by local Building Dept., Fire Dept., Health, and other departments. GC is responsible for obtaining. Owner reimburses GC.
1	BUILDING PERMITS							As required by local Building Dept., Fire Dept., Health, and other departments. GC is responsible for obtaining. Owner reimburses GC.
2	PERMITS							As required by local Building Dept., Fire Dept., Health, and other departments. GC is responsible for obtaining. Owner reimburses GC.
3	TEMPORARY UTILITIES							As required by local Building Dept., Fire Dept., Health, and other departments. GC is responsible for obtaining. Owner reimburses GC.
4	CLEAN UP							Full time on site supervisor - provide C of O through opening. Two copies of as-built operations manual, warranties and lien waivers - Sworn Statement and C of O.
5	INSURANCE							As required by L.L. & B.W. - GC to furnish general liability, auto, workers comp. & Builders risk.
6	PROTECTION							Protection for floor finishes after installation.
7	SPECIAL INSPECTIONS							Contract by owner and GC to coordinate.
02	CONCRETE WORK	RECD	F	F	F	F	F	As required by local Building Dept., Fire Dept., Health, and other departments. GC is responsible for obtaining. Owner reimburses GC.
1	CONCRETE SLAB							As required by local Building Dept., Fire Dept., Health, and other departments. GC is responsible for obtaining. Owner reimburses GC.
2	CONCRETE FLOORS, WALKS & PATIOS							As required by local Building Dept., Fire Dept., Health, and other departments. GC is responsible for obtaining. Owner reimburses GC.
3	CONCRETE CURBS							As required by local Building Dept., Fire Dept., Health, and other departments. GC is responsible for obtaining. Owner reimburses GC.
4	CONCRETE CURBS							Refer to Bar Plans for tie bar curbs, coordinate radius with millwork vendor for bar wall coordination.
03	MASONRY	RECD	F	F	F	F	F	As required by local Building Dept., Fire Dept., Health, and other departments. GC is responsible for obtaining. Owner reimburses GC.
1	BRICK MASONRY							As indicated on Architectural plans.
2	BRICK MASONRY							As per Structural and Architectural plans.
04	METALS	RECD	F	F	F	F	F	As required by local Building Dept., Fire Dept., Health, and other departments. GC is responsible for obtaining. Owner reimburses GC.
1	STRUCTURAL STEEL							Any struct. Steel associated w/ wall & roof penetration support framing - include cols. & shop drawings.
2	COLD FORM FRAMING							Any struct. Steel associated w/ wall & roof penetration support framing - include cols. & shop drawings.
3	MISCELLANEOUS METALS							As required to complete project per plans.
4	STILES							Framing at 16" oc per plan designation.
5	INTERIOR WALLS							Framing at 16" oc per plan designation.
6	EXTERIOR WALLS							Per plans.
7	WALL STANDARDS							Heavy duty wall standards & shelf brackets in white finish - manager's office.
8	RECLAMATION, PARTS & ORNAMENTAL							GC to be responsible for protection of delivery entrance steel posts for 1/2" wall & rail supports provided by GC.
9	STAINLESS STEEL							GC to F&I Stainless kitchen wall corner guards and caps - GC to coordinate with equipment vendor for all miscellaneous SSII wall panel locations and cooler trim.
10	PATIO FENCE AND GATE							Refer to plans.
05	WOOD & PLASTICS	RECD	F	F	F	F	F	As required by local Building Dept., Fire Dept., Health, and other departments. GC is responsible for obtaining. Owner reimburses GC.
1	FRANK BECKING							FRANK and 2x blocking as required - see floor plan, wall elevations & sections for locations.
2	PLYWOOD							FRANK - exterior grade for sheathing.
3	WOOD TRIM							profiles per plans.
4	WOOD WALL CAPS & DORMER RAELS							profiles per plans.
5	WOOD BALUNGS							profiles per plans.
6	FRP WALL PANELS							Fiberglass reinforced panels gently pebbled, high gloss finish as noted on plans.
7	COUNTERTOPS							Solid surface.
8	ARCHITECTURAL CASEWORK							Solid surface counter & cabinets.
9	FOOD SERVICE COUNTER							Solid surface counter & cabinets.
10	PAVING							Solid surface counter and cabinet.
11	SOAKAWAY							Solid surface back bar & cabinets w/ adjustable shelves per plans. Bar wall is part of Millwork Package.
12	OFFICE COUNTER, CABINETS, SHELVES							Counter, cabinets & shelves, provide all parts & support gages.
13	VANITY COUNTERS							Solid surface counter and splash provided by Millwork Vendor. GC to provide under mount sinks, faucets, and associated parts, provide Millwork Vendor with dimensions.
06	THERMAL INSULATION	RECD	F	F	F	F	F	As required by local Building Dept., Fire Dept., Health, and other departments. GC is responsible for obtaining. Owner reimburses GC.
1	FOUNDATION							Foundation, wall and roof insulation as required per plans and specifications - Refer Mechanical Drawings for Dust insulation.
2	INSULATION							As per plans and manufacturer's details and specifications. (Drift or Slope)
3	EIFS / STUCCO							As per plans and manufacturer's details and specifications. (Drift or Slope)
4	FLASHING							As per plans and manufacturer's details and specifications. (Drift or Slope)
5	SEALANTS							As per plans and manufacturer's details and specifications. (Drift or Slope)
6	WATERPROOF MEMBRANE							Install in kitchen, office, bar and restrooms per wall finish types and finish plan.
07	DOORS & HARDWARE	RECD	F	F	F	F	F	As required by local Building Dept., Fire Dept., Health, and other departments. GC is responsible for obtaining. Owner reimburses GC.
1	H.M. DOORS & DOOR FRAMES							As per plans and schedules.
2	WOOD DOORS							As per plans and schedules.
3	DOOR HARDWARE							See hardware schedule.
4	ALUM. ENTRANCE VESTIBULE & PATIO							As required per plans and specifications.
5	ALUMINUM SUBFLOOR							As required per plans and specifications.
6	MIRRORS							1/4" tempered mirrors.
08	FINISHES	RECD	F	F	F	F	F	As required by local Building Dept., Fire Dept., Health, and other departments. GC is responsible for obtaining. Owner reimburses GC.
1	WALL BOARD							5/8" gyp. wallboard - tape & sand exposed surfaces ready for finishes - see plans for wall types & heights. Prime and 3 coats paint - See Specifications for finish requirements.
2	WATER RESISTANT GYP. WALLBOARD							5/8" at all wet walls and behind wall tile - tape & sand to receive finish where indicated on plans.
3	CONCRETE BACKER BOARD							5/8" backer board - all kitchen & toilet walls - see wall finishes for additional information.
4	WOOD TRIM							As indicated on plans and schedules.
5	STAINED CONCRETE							See finish plan and schedule - install per manufacturer's recommendations.
6	WALL TILE							Receive, inventory & install tile - grout, transitions & setting material.
7	WALL COVERINGS/WALL PAPER							See finish plan and schedule.
8	WANSOT							As per plans and schedules.
9	CEILING TILE							Receive & install to match adjacent floor tile, grout and setting material.
10	CUT TILE							Receive & install to match adjacent floor tile, grout and setting material.
11	FRANK BECKING							Structure, deck, doors, cabinets, walls & soffits, glass hand board - exposed walls, doors & frames. All exposed wood trim and doors, stain to be applied as noted on the finish schedule. All pieces to match.
12	CEILING AND GRID							Refer to Finish Schedule.
13	WALL GRAPHS							As per plans and schedules.
14	WOOD TRIM							Furnished by owner, installed by GC. GC to provide blocking as needed.
15	WOOD TRIM							As per plans and schedules.
09	SPECIALTIES	RECD	F	F	F	F	F	As required by local Building Dept., Fire Dept., Health, and other departments. GC is responsible for obtaining. Owner reimburses GC.
1	TOILET ACCESSORIES							Receive, inventory & install - As per plans and schedule.
2	DWIPER TABLE							Receive & install Koolha horizontal changing table - Mount @ 34" AFF to top of open table.
3	ACCESSIBILITY SIGNAGE							Per local jurisdiction.
4	SIGNS AND MARKINGS							Coordinate connections, electrical and backing with sign vendor.
5	FIRE EXTINGUISHERS							Per local Fire Marshal & building code (4 min. required - 3 ABC & 1 K, public areas to have recessed cabinets).
6	HAND BOX							Per local Fire Marshal.
10	EQUIPMENT	RECD	F	F	F	F	F	As required by local Building Dept., Fire Dept., Health, and other departments. GC is responsible for obtaining. Owner reimburses GC.
1	EXTERIOR SIGNAGE							GC to provide, GC to un-pack, assemble, install as required.
2	KITCHEN EQUIPMENT							Vendor to provide, GC to un-pack, assemble, install as required.
3	COOLERS/FREEZERS							GC to supply, install per manufacturer's specifications. 27 g. SSII, wall cladding at exhaust hoods by vendor installed by GC.
4	DISHWASHER							As per plans and schedules.
5	EXHAUST HOODS							GC to provide, GC to un-pack, assemble, install as required.
6	ICE MAKERS							GC to provide, GC to un-pack, assemble, install as required.
7	WALL MOUNTED EQUIPMENT							GC responsible for additional fire retardant blocking.
8	WALL MOUNTED EQUIPMENT							As per plans and schedules.
9	DISHWASHER							As per plans and schedules.
10	KITCHEN EQUIPMENT							GC to provide, GC to un-pack, assemble, install as required.
11	RECEPTORS/PLUGS							GC to provide, GC to un-pack, assemble, install as required.
12	RECEPTORS/PLUGS							GC to provide, GC to un-pack, assemble, install as required.
13	GREASE CONTAINMENT SYSTEM							Furnished and installed by G.C. per plumbing and electrical drawings, G.C. to make connections and coordinate with vendor.
11	FURNISHINGS	RECD	F	F	F	F	F	As required by local Building Dept., Fire Dept., Health, and other departments. GC is responsible for obtaining. Owner reimburses GC.
1	MANAGER'S OFFICE MISC. EQUIPMENT							Receive, un-pack, install - coordinate with owner for location of items.
2	TOILET CHAIRS & BENCHES							GC to receive, un-pack, assemble, and install. 2 hour window for unloading, if more GC pays additional freight costs.
3	OFFICE SEAT							Receive, un-pack, install - follow site to floor and seal around base.
4	FAV MACHINE							GC to receive, un-pack, install.
5	PATIO FURNITURE							GC to receive, un-pack, install.
12	SPECIAL CONSTRUCTION	RECD	F	F	F	F	F	As required by local Building Dept., Fire Dept., Health, and other departments. GC is responsible for obtaining. Owner reimburses GC.
1	PATIO CONSTRUCTION							As required by local Building Dept., Fire Dept., Health, and other departments. GC is responsible for obtaining. Owner reimburses GC.
13	CONVEYING SYSTEMS	RECD	F	F	F	F	F	As required by local Building Dept., Fire Dept., Health, and other departments. GC is responsible for obtaining. Owner reimburses GC.
1	SPRINKLER SYSTEM							System to be design built, vendor must provide equipment plans & specifications per local codes, GC to coordinate inspection and test - Provide architect with final approved design plan for files.
2	ANSLU SYSTEM							GC to coordinate, schedule installation and testing through local vendor.
3	PLUMBING							Connect to system - see plumbing and civil sheets for location, coordinate w/ local utility.
4	WATER							Connect to system - see plumbing and civil sheets for location, coordinate w/ local utility.
5	WASTE							As per plans and specifications - see plumbing sheets for location, coordinate w/ local utility.
6	VENT							Vendor to provide, GC to un-pack, assemble, install as required.
7	CONDENSATE PIPING							Install w/ 1/4" in 12" pitch of floor in open areas - Elevator to match finished floor under all equipment.
8	FLOOR DRAINS & FLOOR SINKS							See plumbing and civil sheets, install per local jurisdiction.
9	GRAB BAR							See plumbing sheets.
10	CIRCULATING PUMP							See plumbing sheets.
11	WATER TREATMENT							See plumbing sheets.
12	KITCHEN EQUIPMENT							Make rough in & final connections.
13	GAS SUPPLY SYSTEM							Connect to system at manifold. Make final connection to kitchen equipment. Coordinate w/ local utility, civil drawings.
14	H.V.A.C.							Equipment to include RTU, curb & accessories. See mechanical sheets.
15	RIVU EQUIPMENT							See mechanical sheets.
16	DOCK WORK							See mechanical sheets.
17	DIFFUSERS							See mechanical sheets.
18	TEMPERATURE CONTROLS							See mechanical sheets.
19	SWINE / TO DETECTORS							See mechanical sheets.
20	F.A.R. BALANCE							GC to schedule and coordinate through hood vendor.
21	TOILET EXHAUST							See mechanical sheets.
22	EXHAUST HOOD							GC to install per manufacturer's specifications. Manufacturer suggested connections and terminations shall take precedence over drawings unless otherwise specified.
16	ELECTRICAL	RECD	F	F	F	F	F	As required by local Building Dept., Fire Dept., Health, and other departments. GC is responsible for obtaining. Owner reimburses GC.
1	SPENCER							See electrical and civil drawings and specifications.
2	DISTRIBUTION SYSTEM							As per Electrical plans and specifications.
3	PANTRY TRANSFORMERS							See electrical sheets.
4	LIGHT FIXTURES & LAMPS							GC - Review, inventory, un-pack & install - see fixture schedule for types. GC responsible to coordinate warranty issues with sub and vendor.
5	LIGHTING CONTROLS							See electrical sheets. GC responsible to coordinate warranty issues with sub and vendor.
6	KITCHEN EQUIPMENT							GC - provide final connection.
7	TRANSFORMERS & PANELS							Furnish 3/4" conduit, terminations w/ pull string - GC - termination and wire by owner's vendor - See Electrical plans for location, coordinate with owner's vendor.
8	FIRE LIFE SAFETY ALARMS							System to be design built, vendor must provide equipment plans & specifications per local codes. GC to provide conduits and pull strings.
9	SCENARIE							GC to provide final connection.
10	BURGULAR ALARM							GC to furnish conduit & boxes. GC to coordinate installation. Burglar alarm required to be complete prior to TV installation.
11	EXHAUST HOOD							GC to install per manufacturer's specifications. Manufacturer suggested connections and terminations shall take precedence over drawings unless otherwise specified.
12	EXTERIOR COOLING FANS							As per plans.
NOTES								
1	GC AND OWNER'S VENDORS MUST COMPLETE THE FOLLOWING ITEMS TO OBTAIN A FINAL C OF O							
2	TELEPHONE SYSTEM OPERATIONAL							
3	HOOD ANSUL FIRE SUPPRESSION SYSTEM OPERATIONAL							
4	KITCHEN REFRIGERATION OPERATIONAL (FOR HEALTH INSPECTION)							

ORIGINAL PRINT SIZE - 30" X 42"



VICINITY MAP



SITE PLAN

**PROJECT CONTACT INFO**

**FRANCHISEE:**  
SHAIN HILL  
C-VILLE WINES, LLC  
1012 GRANITE DR.  
BROOKSOWN, KY 40004

**PROJECT MANAGER:**  
LACIE DEJOURNET  
INTERTECH DESIGN SERVICES INC.  
9675 MONTGOMERY RD.  
CINCINNATI, OH 45242  
PHONE: (513)791-5588  
FAX: (513) 792-7923  
EMAIL: LDEJOURNET@intertechdesign.net

**ARCHITECT:**  
INTERTECH DESIGN SERVICES INC.  
9675 MONTGOMERY RD.  
CINCINNATI, OH 45242  
PHONE: (513)791-5588  
FAX: (513) 792-7923

**M.P. & E. ENGINEER:**  
INTERTECH DESIGN SERVICES INC.  
9675 MONTGOMERY RD.  
CINCINNATI, OH 45242  
PHONE: (513)791-5588  
FAX: (513) 792-7923

**STRUCTURAL ENGINEER:**  
STEVEN HUBBOLD  
HUBBOLD ENGINEERING, LLC  
6163 SUGARCREST COURT  
LIBERTY, MO, OH 43011  
PHONE: (513) 417-4300

**CIVIL ENGINEER:**  
KENDAL WISE  
VANTAGE ENGINEERING PLC  
2038 DANVILLE ROAD  
HARRISBURG, KY 40330  
PHONE: (859) 734-0560

**UTILITY & PERMITTING CONTACTS**

**PLANNING/ZONING DEPARTMENT:**  
CAMPBELLVILLE PLANNING AND DEVELOPMENT  
110 S. COLUMBIA AVE., STE B  
CAMPBELLVILLE KY, 42718  
EMAIL: CTDICKER@CAMPBELLVILLEKY.GOV

**BUILDING DEPARTMENT:**  
STATE OF KENTUCKY BUILDING CODES ENFORCEMENT  
101 SEE HURD ROAD  
FRANKFORD KY, 40601  
PHONE: (502)573-0373

**HEALTH DEPARTMENT:**  
TAYLOR COUNTY HEALTH DEPARTMENT  
1880 N BYPASS ROAD  
CAMPBELLVILLE KY, 42718

**FIRE DEPARTMENT:**  
CAMPBELLVILLE FIRE RESCUE  
100 WEST BROWN  
CAMPBELLVILLE KY, 42718  
EMAIL: CHRIS.TAYLOR@CAMPBELLVILLEKY.GOV  
PHONE: (270)-465-4131

**CODE ANALYSIS**

APPLICABLE CODES	AREA CALCULATIONS	
BUILDING: IBC 20		

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**BUFFALO WINGS AND RINGS**  
 720 BYPASS ROAD  
 CAMPBELLSVILLE, KY 42718



WINGS & RINGS

DRAWING ISSUE

NO.	DESCRIPTION	DATE
	BID AND PERMIT	11/25/20

STAMP

12.12.2020

GENERAL NOTES  
 Drawn By: CJB  
 Checked LJD  
 SCALE: NONE

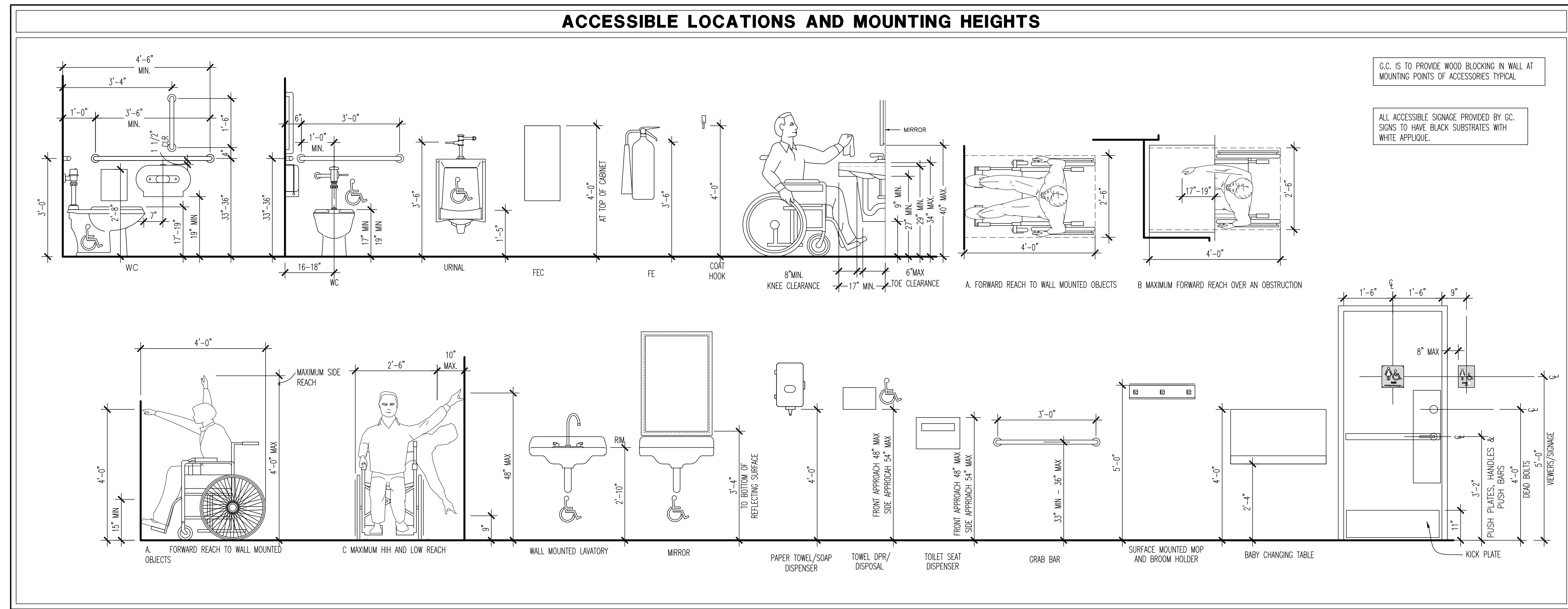
PROJECT NUMBER  
 20-0501

SHEET NUMBER  
**G002**

FOR BID ONLY

VENDOR LIST						
Need Drawings	specialty	Company Name	Contact Name	Cell Phone	Phone	Email Address
x	FF&E Package	Wassersstrom	Mike Smith	513-218-8340	1.800.999.9277 ext. 8391	mikesmith@wassersstrom.com
	Includes: Furniture, Fixtures/Millwork, Equipment, Décor		Bruce Butler		1.800.999.9277 ext. 8370	BruceButler@wassersstrom.com
x	Point of Sales (POS)	Oracle	Steve Biggins	513.657.6836		steven.biggins@oracle.com
x	Signage	Federal Health Signs	Amy Potter		817.685.9075 Ext. 348	apotter@FederalHealth.com
x	Audio/Visual Consultant	NewTech	Shane Osborne	219-263-6683		shaneos@newtechcorp.biz
x	Hoods	Accurex	Ron Messersmith	513.417.2176	513.889.2878	Ron.Messersmith@unisoncomfort.com
x	Hood package is through the General Contractor, GC purchases from Accurex and installs.					
	Rooftop Units	Trane	Kris Ryan		866-415-2499	Natrcols@trane.com
x	Soft Drink Vendor	Coca Cola	Erin Lee	913-522-5328		elee@coca-cola.com
			Kristen Galloway		404.887.3638	kgalloway@coca-cola.com
			Justin Wesley		513-898-7738	justinwesley@coca-cola.com
			Travis Wilcox		502.452.2037	TWilcox@louisville-tile.com
x	Grease and Oil Removal Services	Griffin Industries	Jamey Vance	859-393-9768	859.472.7361 ext. 211	javance@griffinind.com
x	Lighting	Wiedenbach-Brown Co., Inc	Josh Huisken	714.553.5995	714.982.1554	josh.huisken@wbllight.com
x	Dish Machine Vendor	Auto Chlor	Gene Micci	901-628-6128	901.521.3102	micci@autochlor.net
			Bobby Ferguson			ferguson@autochlor.net
x	Marketing, graphics	All Over Media	Martin Dunn	513.257.9776		Marty@alloverprintsolutions.com
x	Millwork Package	KDM P.O.P. Solutions Group	Mike Gavigan	513.967.3117	513.769.3900	m.gavigan@kdmppop.com
			Ron Alexander		513.769.3900 Ext. 108	R.Alexander@kdmppop.com
	Coffee Supplier	DS Waters Standard	Harry Ostwald		800.878.8384 Ext. 37210	HWostwald@coffeeservice.com
	CO2 Supplier	Airgas	Sherrie Howard	800.772.8144		sherrie.howard@airgas.com
	Satellite/Cable Company	Direct TV	Paul Doucett		303.712.4209	PDoucett@directv.com
	Electric Dryers	Gobelle-Robinson	Alan Sanford	513-252-6303	800.472.5590	asanford@gobrob.com
	Small Wares	Edward Don	Julie Cabaj	708.883.8315		juliecabaj@edon.com
	Galvanized Steel	Corken Steel			859.431.7663	
x	Micros-programming	Buffalo Wings and Rings	Carris Cox			Ccox@buffalowings.com
	training manager		Victoria Shaw			vshaw@buffalowings.com
	Faux Beam Plates	LSN Enterprises	David Bott		812.989.6277	Rbgcomplic@outlook.com
x	Paper Towel, Soap, Toilet Paper dispensers	Cintas Corporation	Jackie Dixon		248.763.9088	Dixon@cintas.com

ABBREVIATIONS											
0	AT	EA	EACH	JAV	JAVATORY	RES	RESILIENT				
AF	ABOVE FINISH FLOOR	EPS	EXTERIOR INSULATION	LL	LANDLORD LEASE LINE	REV	REVISION				
AP	ACCESS PANEL	ELEC	ELECTRICAL SYSTEM	LN	LINE	R	RISER				
ACC	ACCESSIBLE	EQU	EQUAL	LIT	LIGHTING	RD	ROOF DRAIN				
ACT	ACUSTICAL TILE	EQP	EQUIPMENT	MAS	MASONRY	RM	ROOM				
ADH	ADHESIVE	ENC	ELECTRIC WATER COOLER	MATL	MATERIAL	RO	ROUGH OPENING				
ADJ	ADJUSTABLE, ADJACENT	EP	ELECTRICAL PANELBOARD	MAX	MAXIMUM	RB	RUBBER BASE				
AHJ	AUTHORITY HAVING JURISDICTION	EXG	EXISTING	MESH	MECHANICAL	SCHED	SCHEDULE				
AL	ALUMINUM	EXP	EXPANSION	MD	MEDIUM DENSITY FIBERBOARD	SECT	SECTION				
APPD	APPROVED, APPROVAL	EJ	EXPANSION JOINT	MIL	METAL	SHT	SHEET				
APPROX	APPROXIMATE	EXT	EXTERIOR	MEZZ	MEZZANINE	SM	SIMILAR, OPPOSITE HAND				
ARCH	ARCHITECTURAL	EXI	EXTERIOR	MFR	MANUFACTURER	SM OPP	SMALL, OPPOSITE HAND				
ADM	ASBESTOS CONTAINING MATERIAL	FIN	FINISH	MIN	MINIMUM	SWB	SLOTTED WALL BOARD				
		FF	FINISHED FLOOR	MIS	MISCELLANEOUS	SC	SOLID CORE				
DM	DEAM	FE	FIRE EXTINGUISHER	MISO	MASONRY OPENING	SC(S)	SPECIFICATIONS(S)				
BTM	BETWEEN	FEC	FIRE EXTINGUISHER CABINET	MO	MOUNTED	S	SQUARE FEET				
BLG	BLOCKING	FP	FIREPROOF, FIRE PROTECTION	MTD	MOUNTED	SS	SOLID SURFACE				
BO	BOARD	FLR	FLOOR	NOM	NOMINAL	SS	SOLID SURFACE				
B.O.	BOTTOM OF	FD	FLOOR DRAIN	NC	NOT IN CONTRACT	SS/SS/TL	STAINLESS STEEL				
BLDG	BUILDING	FD	FLOOR DRAIN	N.O.	NUMBER	STD	STANDARD				
		FRG	FIBER REINFORCED GYPSUM	NTS	NOT TO SCALE	STL	STEEL				
CPT	CARPET	FRT	FIBER REINFORCED TREATED	O.C.	ON CENTER	STRLCT	STRUCTURAL				
CLG	CEILING	FRT	FIBER RETARDANT TREATED	OP	OPENING	SUSP	SUSPENDED				
CL	CENTER LINE	FUN	FOUNDATION	OPF	OPPOSITE	TEMP	TEMPERED, TEMPERATURE, TEMPORARY				
CT	CERAMIC TILE	FURN	FURNISH	OD	OUTSIDE DIAMETER	THK	THICKNESS				
CLR	CLEAR(ANCE)	GA	GAUGE	OFC	OWNER FURNISHED/CONTRACTOR INSTALLED	TAG	TANGLE & GROOVE				
COL	COLUMN	GC	GENERAL CONTRACTOR	OFO	OWNER FURNISHED/OWNER INSTALLED	T.O.	TOP OF				
CONC	CONCRETE	GL	GLASS, GLAZING	O.H.	OVERHEAD	TREAD	TREAD				
CMU	CONCRETE MASONRY UNITS	GB	GRAB BAR	OHCG	OVERHEAD COILING GRILLE	TYP	TYPICAL				
CONST	CONSTRUCTION	GP BD	GYPSUM BOARD	PT	PAINT	UN	UNLESS OTHERWISE NOTED				
CONT	CONTINUOUS	HW	HARDWARE	PNL	PANEL	VB	VINYL BASE				
CU	CURTAIN JOINT	HWD	HARDWOOD	PFB	PARTICLE BOARD	VCT	VINYL COMPOSITION TILE				
CC	CORNER GUARD	HT	HEIGHT	PTN	PARTITION	WIC	WALL COVERING				
CTSG	COUNTER FLASHING	HDF	HIGH DENSITY FIBERBOARD	PL	PLATE	VERT	VERTICAL				
CTSK	COUNTER SINK	HM	HOLLOW METAL	PLC	PUMING	VF	VERIFY IN FIELD				
DEG	DEGREE	HC	HOLLOW CORE	PLY	PLYWOOD	VTR	VERIFY THROUGH ROOF				
DEM	DEMOLITION	HM	HOLLOW METAL	QTY	QUANTITY	WC	WATER CLOSET				
DET	DETAIL	HR	HORISONTAL	QT	QUANTITY	WH	WATER HEATER				
DM	DAMETER	HR	HOUR	INAN	INCANDESCENT	WP	WATERPROOF				
DM	DIMENSION	ID	INSIDE DIAMETER	INS	INSULATION	W/	WITH				
DSP	DISPENSER	INSUL	INSULATION	INT	INTERIOR	W/O	WITHOUT				
DWG	DRAWING	INT	INTERIOR	REQ	REQUIRED	WD	WOOD				



SYMBOL LEGEND			
ROOM / SPACE DESIGNATION	(000) ROOM NUMBER ROOM NAME	GRAPHIC TAG	(TIN XX)
ELEVATION HEIGHT	100'-0" FINISHED FLOOR HEIGHT REFERENCE POINT	FINISH TAG	XX
ELEVATION DESIGNATION	ELEVATION OR DETAIL SHEET NUMBER DIRECTION OF VIEW	WALL TYPE TAG	X
BUILDING / WALL SECTION DESIGNATION	ELEVATION OR DETAIL SHEET NUMBER DIRECTION OF VIEW	EQUIPMENT TAG	#
ENLARGED PLAN DETAIL DESIGNATION	AREA ENLARGED SHEET NUMBER DETAIL NUMBER	FURNITURE TAG	#
REVISION DESIGNATION	REVISION NUMBER AREA REVISED	ACCESSORY TAG	#
DOOR NUMBER		KEYNOTE DESIGNATION	1
		WINDOW DESIGNATION	A

**HEALTH DEPARTMENT NOTES**

**CITY COMMENTS**



**DRAWING ISSUE**

NO.	DESCRIPTION	DATE
1	BID AND PERMIT	11/25/20

**STAMP**

12/1/2020

**LIFE SAFETY PLAN**  
 SCALE: 3/16" = 1'-0"  
 Drawn By: CUB Checked By: JLD

**PROJECT NUMBER**  
20-0501

**SHEET NUMBER**  
**G003**

**GENERAL NOTES**

- G.C. TO VERIFY QUANTITY & LOCATIONS OF FIRE EXTINGUISHERS WITH LOCAL AUTHORITIES. FIRE EXTINGUISHERS TO BE SUPPLIED BY G.C., BUILDING IS FULLY SPRINKLERED - REF FLOOR PLAN.
- G.C. TO PROVIDE FIRE DEPARTMENT REQUIRED KEY BOX, COORDINATE LOCATION AND TYPE WITH LOCAL AUTHORITIES.
- SEE MEP DRAWINGS AND RESPONSIBILITY SCHEDULE FOR INFORMATION REGARDING SPRINKLER AND FIRE ALARM SYSTEM - SYSTEMS BY GENERAL CONTRACTOR.
- EMERGENCY LIGHTS IN DINING AREAS SUCH THAT THEY DO NOT INTERFERE WITH WALL DECOR. REFER CEILING PLAN AND INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.

**B-OCCUPANCY CALCULATIONS**

\* OCCUPANCY CALCULATIONS BASED ON IBC. BUILDING 10,116 INCLUDING COOLERS AND BUSINESS AREA

ASSEMBLY AREAS	TOTAL	* CALCULATED OCCUPANTS	SEAT COUNT
BUSINESS AREA TENANT B 200 SQ.FT. PER OCCUPANT	1530 S.F.	7	
BUSINESS AREA TENANT C 200 SQ.FT. PER OCCUPANT	3073 S.F.	14	
<b>TOTAL INTERIOR OCCUPANTS</b> USED FOR EXITING AND EGRESS CALCULATIONS		<b>21</b>	<b>-</b>

**A-2-OCCUPANCY CALCULATIONS**

\* OCCUPANCY CALCULATIONS BASED ON IBC. RESTAURANT 5,214 INCLUDING COOLERS

ASSEMBLY AREAS	TOTAL	* CALCULATED OCCUPANTS	SEAT COUNT
DINING AREAS 15 SQ.FT. PER OCCUPANT	2096 S.F.	139	79
BAR STOOLS 18 LINEAL INCHES PER OCCUPANT	567 L.I.	31	22
FIXED SEATING 24 LINEAL INCHES PER OCCUPANT	1248 L.I.	52	39
KITCHENS & STAFF AREAS 200 SQ.FT. PER OCCUPANT	1244 S.F.	6	-
STORAGE 300 SQ.FT. PER OCCUPANT	188 S.F.	1	-
OFFICES 100 SQ.FT. PER OCCUPANT	69 S.F.	1	-
WAITING 5 SQ.FT. PER OCCUPANT	185 S.F.	37	-
<b>TOTAL INTERIOR OCCUPANTS</b> USED FOR EXITING AND EGRESS CALCULATIONS		<b>267</b>	<b>138</b>

**RESTROOM PLUMBING FIXTURES**

FROM INTERNATIONAL PLUMBING CODE  
 BUILDING OCCUPANCY CALCULATION:  
 MAXIMUM OCCUPANTS (GREATEST OF OCCUP. CALCULATION OR SEAT COUNT NUMBERS) = 346  
 50 % MALE AND 50 % FEMALE = 346/2 = 173 EACH  
 173/75 = 2.3 = 3 W.C. EACH RESTROOM.  
 173/200 = 0.865 = 1 LAV EACH RESTROOM.  
 173/200 = 0.865 = 1 \*URINAL FOR MALE RESTROOM.

	REQUIRED:		PROVIDED:	
	Men	Women	Men	Women
W.C. (1:75)	3	3	W.C. 1*	3
Urinal* (1:200)	1	-	Urinal*	2*
Lavatory (1:200)	1	1	Lavatory	2

\* THE TOTAL NUMBER OF WATER CLOSETS FOR FEMALES SHALL BE AT LEAST EQUAL TO THE TOTAL NUMBER OF WATER CLOSETS AND URINALS REQUIRED FOR MALES.

**REQUIRED EGRESS WIDTH**

BUILDING EGRESS:  
 TOTAL EGRESS WIDTH REQUIRED:  
 346 MAX INT. OCCUP. x .2" = 69.2"  
 TOTAL EGRESS WIDTH PROVIDED:  
 THREE 36", ONE 42" AND ONE 72" CLEAR DOOR EXIT LEAFS = 222"

MAIN ENTRANCE:  
 WIDTH REQUIRED (1/2 OCCUPANT LOAD):  
 346/173\*2  
 INTERIOR OCCUPANTS /2 = 173 x .2 = 34.6"  
 CLEAR WIDTH PROVIDED: 72"

**SYMBOL LEGEND**

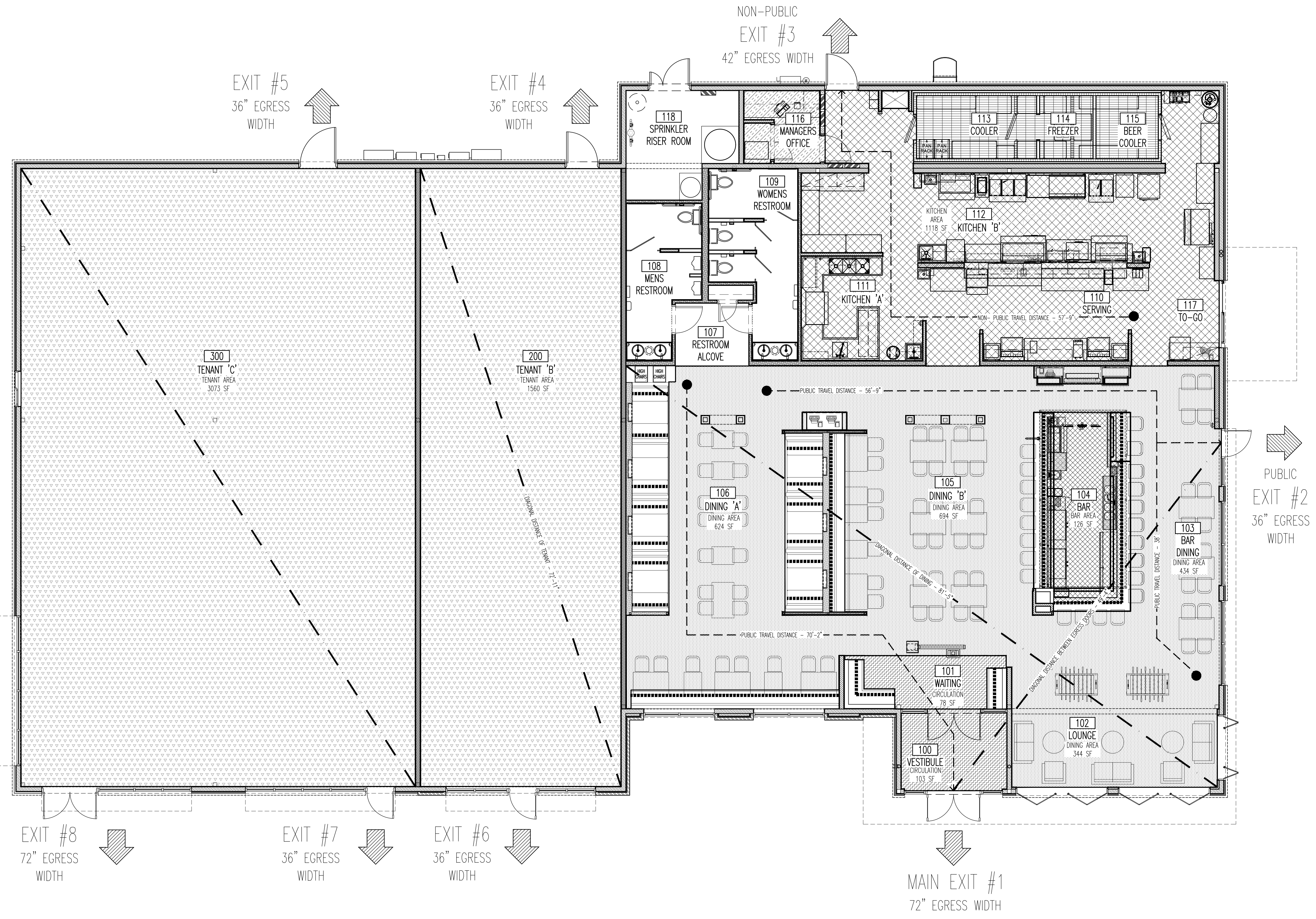
	WALL MOUNTED FIRE EXTINGUISHER
	PATH OF EGRESS
	TRAVEL DISTANCE
	EXIT DOOR LOCATION
	ACCESSIBLE SEATING LOCATIONS

**SEAT COUNT**

AREA	SEATS PER AREA
DINING 'A'	54
DINING 'B'	38
BAR DINING	46
<b>SEATING TOTAL</b>	<b>138</b>

**A-2-TRAVEL DISTANCE**

LONGEST TRAVEL DISTANCE PER PLAN:	REQUIRED TRAVEL DISTANCE PER CODE:
KITCHEN AREA: 57'-9"	KITCHEN AREA: 200'-0"
DINING AREA: 70'-2"	DINING AREA: 200'-0"



**01 LIFE SAFETY PLAN**  
 SCALE: 3/16" = 1'-0"

**BUFFALO WINGS AND RINGS**  
 720 BYPASS ROAD  
 CAMPBELLSVILLE, KY 42718



WINGS & RINGS

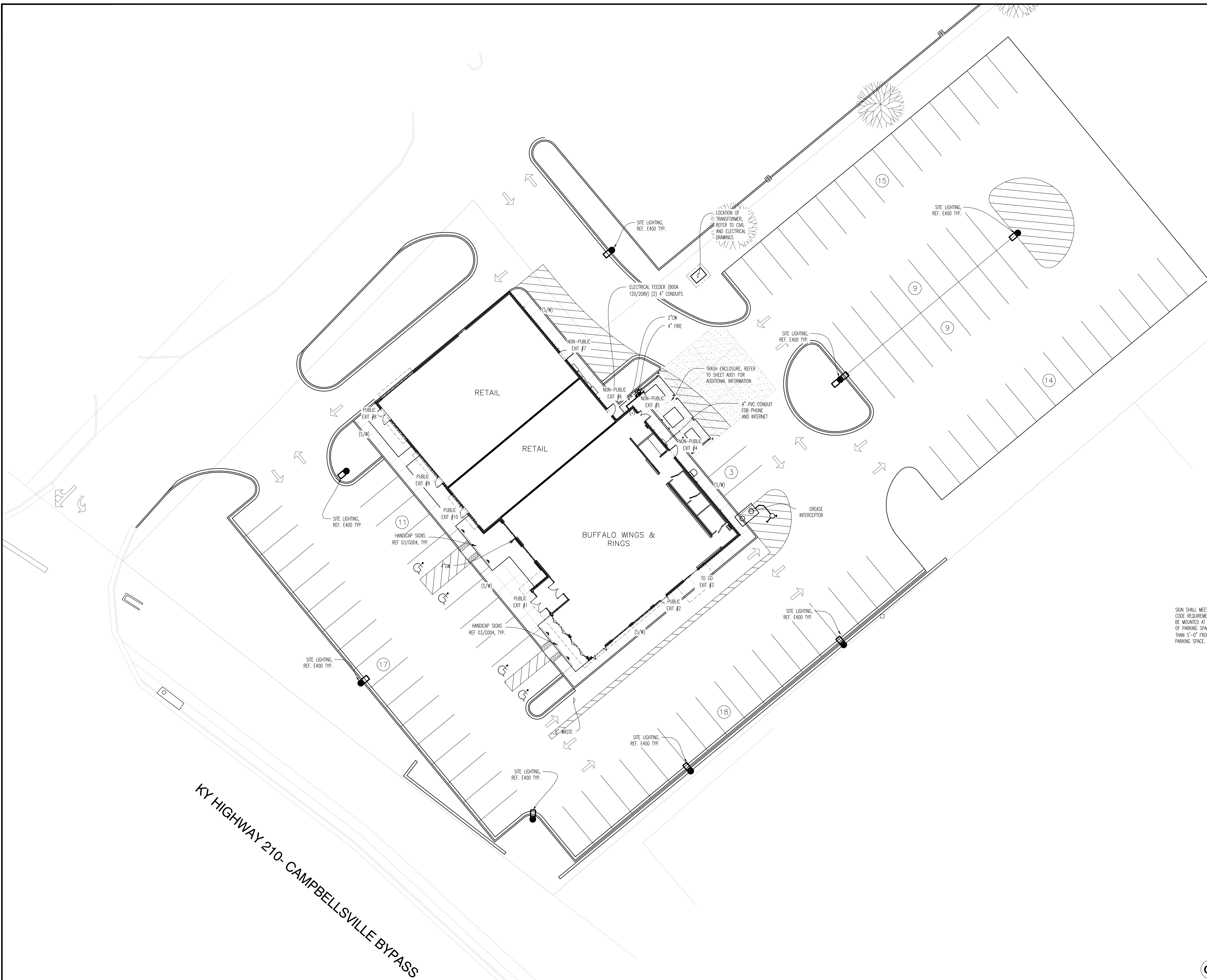
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	DESCRIPTION	BID AND PERMIT
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STAMP	12.1.2020
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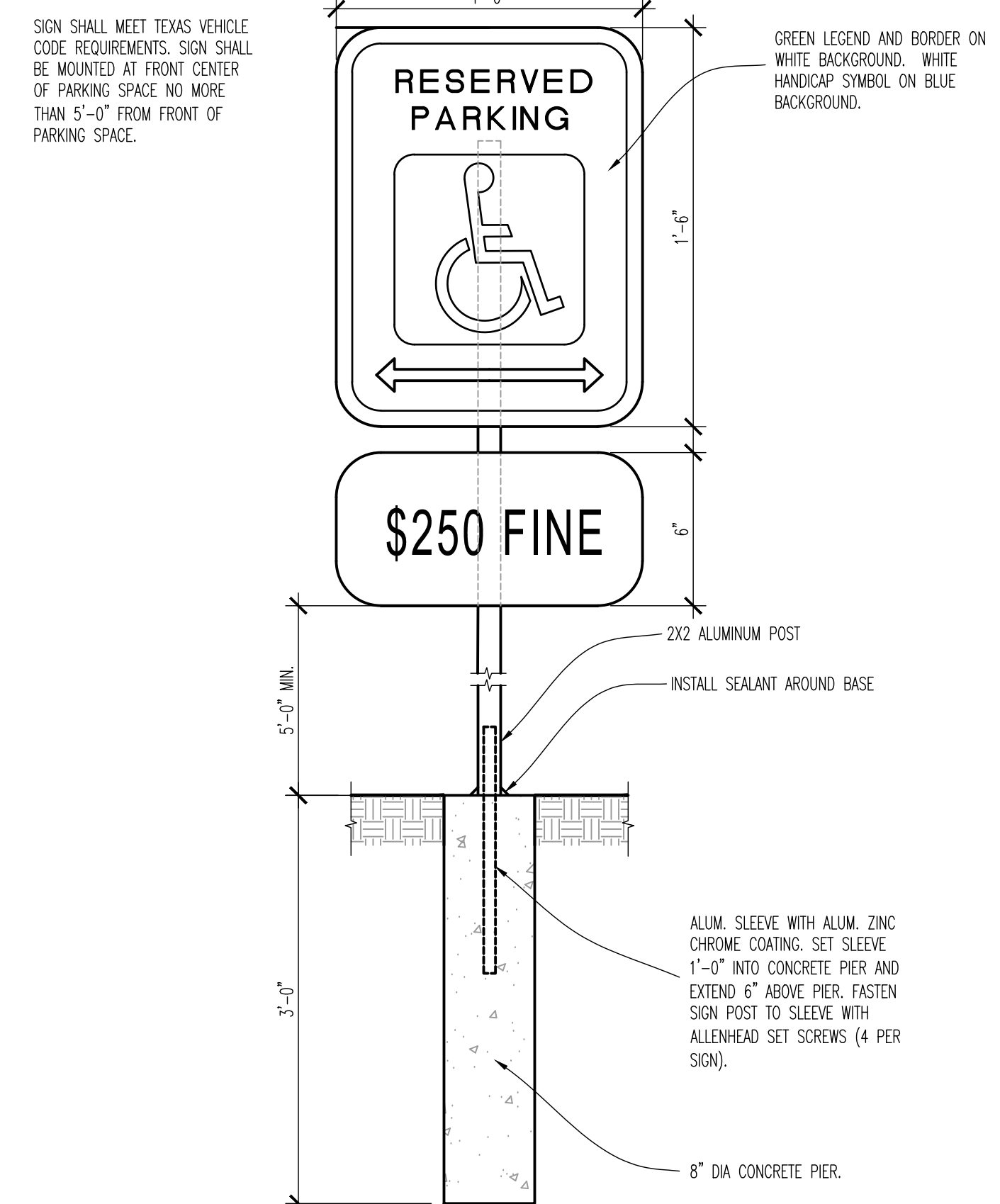
ARCHITECTURAL SITE PLAN + DETAILS  
 SCALE: AS NOTED  
 Drawn By: CJB Checked LJD

PROJECT NUMBER  
 20-0501

SHEET NUMBER  
**G004**



KY HIGHWAY 210- CAMPBELLSVILLE BYPASS



**03 HANDICAP SIGN DETAIL**  
 SCALE: 1"=1'-0"

GENERAL SITE PLAN INFORMATION			
ELECTRICAL	(E)	800MPS 120V/208V, 3 PHASE, 4 WIRE. REFER TO DRAWING E300. ALL SITE LIGHTS SHALL BE ON TIMECLOCK.	AREA CALCULATIONS
TELEPHONE	(T)	(1) 4" CONDUIT, TO A DESIGNATED LOCATION INSIDE THE BUILDING.	TOTAL BUILDING AREA
CABLE TV	(C)	(1) 2" CONDUIT, TO A DESIGNATED LOCATION INSIDE THE BUILDING.	(BUSINESS AREA
DOMESTIC WATER	(W)	SANITARY SEWER TAP AT MAIN WITH 6" PIPING EXTENDED TO WITHIN TEN FEET OF THE DESIGNATED LOCATION AS SHOWN ON THE SITE PLAN.	4,902 SQ FT
		SANITARY SEWER TAP AT MAIN WITH 6" PIPING EXTENDED TO WITHIN TEN FEET OF THE DESIGNATED LOCATION AS SHOWN ON THE SITE PLAN.	RESTAURANT AREA
		TWO INCH (2") LINE WITH A MINIMUM 50 PSIG RESIDUAL PRESSURE AFTER BACKFLOW PREVENTOR PER LOCAL JURISDICTION.	5,214 SQ FT
		4" SERVICE LINE TO THE DESIGNATED RISER LOCATION INSIDE BUILDING.	SERVICE YARD
GREASE INTERCEPTOR	(GI)	PROVIDE A MINIMUM OF (1) 1000 GALLON GREASE INTERCEPTOR, OR AN INTERCEPTOR SIZED PER THE REQUIREMENTS OF THE APPLICABLE CODE. INVERT ELEVATION TO OF GREASE INTERCEPTOR LINE TO BE 4.5" BELOW TOP OF SLAB.	
NATURAL GAS	(G)	PROVIDE SUPPLY CAPABLE OF A MINIMUM OF 2,600,000 BTU/H @ 2 PSI MEDIUM PRESSURE AFTER THE GAS METER LOCATED AT THE BUILDING.	SEAT COUNTS:
LANDSCAPE	(L/S)	COORDINATE WITH LANDSCAPE AND CIVIL PLANS	DINING
SIDEWALK	(S/W)	COORDINATE WITH LANDSCAPE AND CIVIL PLANS	BAR
			TOTAL
			92
			48
			140

**01 SITE PLAN**  
 SCALE: 1/16"=1'-0"

ORIGINAL PRINT SIZE - 30 X 42



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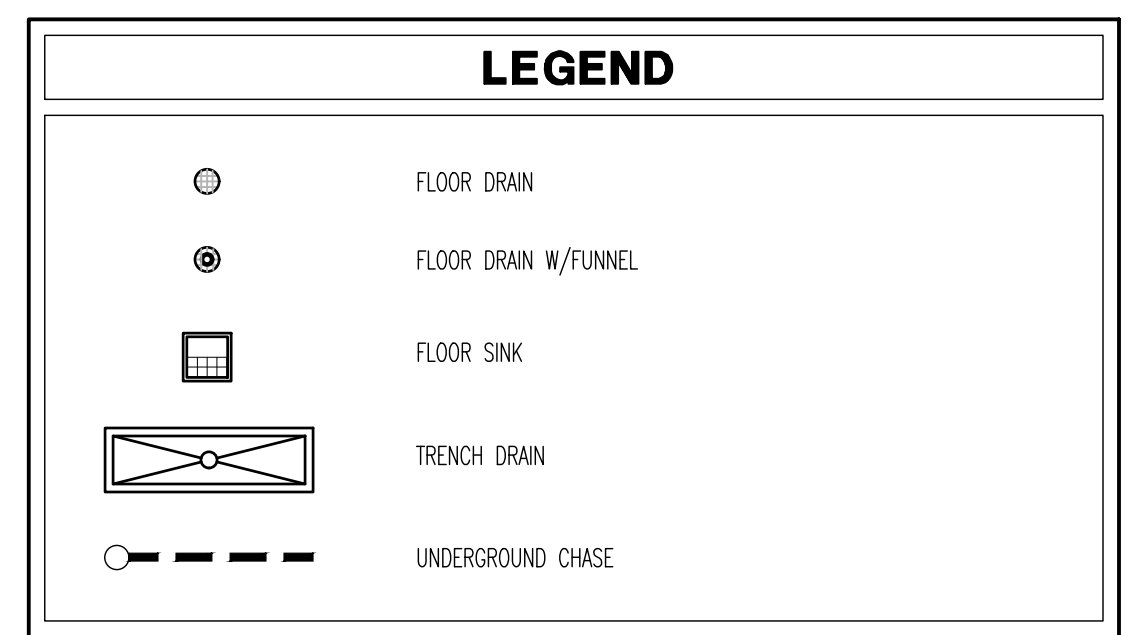
**EXTERIOR CONSTRUCTION PLAN**  
 SCALE: AS NOTED  
 Checked LJD  
 Drawn By: CJB

**PROJECT NUMBER**  
 20-0501

**SHEET NUMBER**  
**A000**

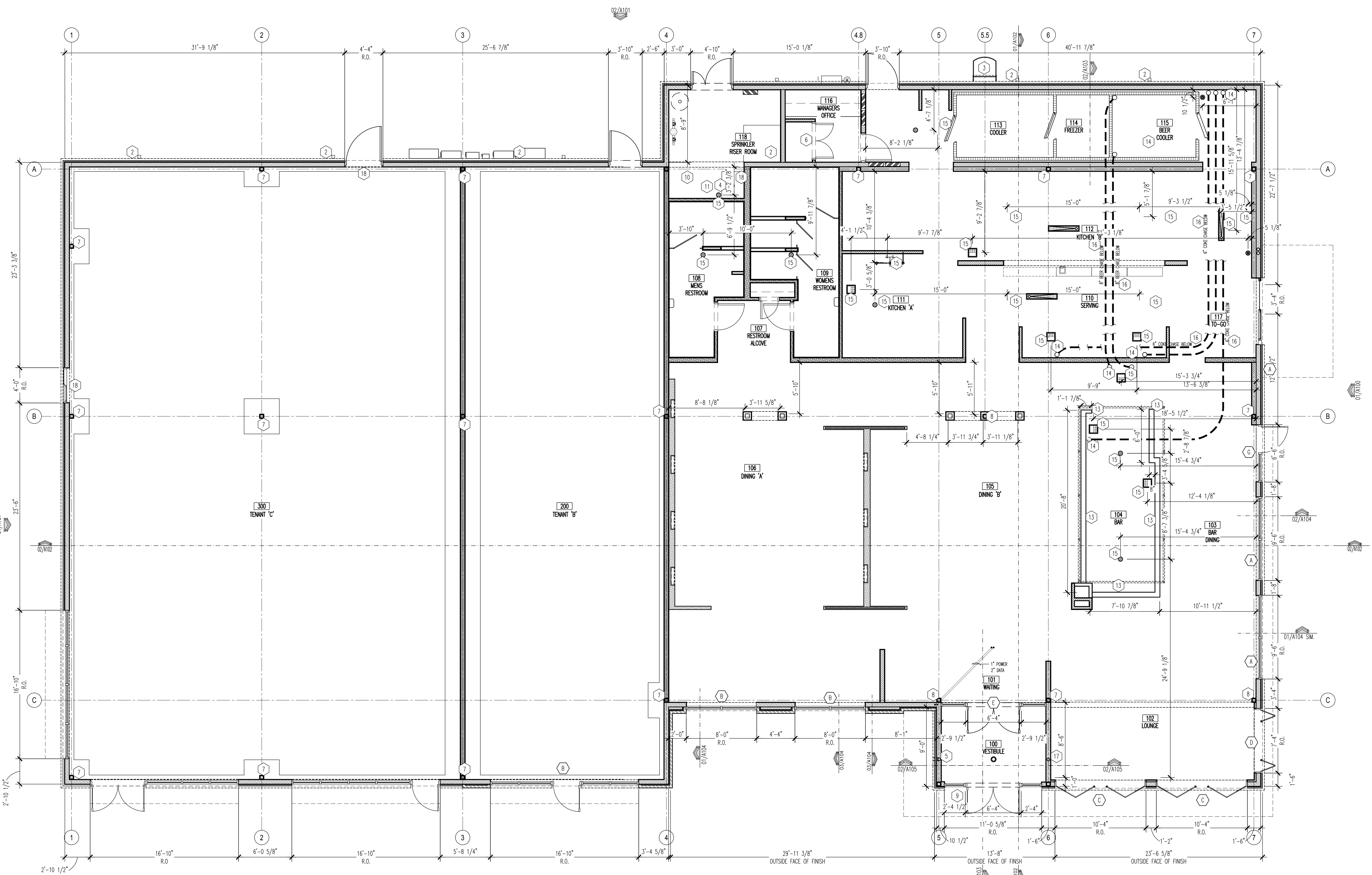
- GENERAL NOTES**
- ALL SLAB AREAS NOT SPECIFICALLY DESIGNATED ARE TO BE 10'-0" ELEVATION. REFER TO DETAILS ON SHEET A000 FOR VARIABLES TO THIS CONDITION.
  - STOREFRONT MILLIONS TO BE 2". REFER TO EXTERIOR ELEVATIONS AND SHEET A800 FOR FURTHER INFORMATION.
  - FLOOR DRAINS LOCATED FROM INTERIOR FACE OF FOUNDATION WALLS. SLOPE SLAB 1/8" PER FOOT DOWN TO DRAIN FROM 2'-0" OUT WHERE INDICATED UNLESS OTHERWISE NOTED (REFER TO FLOOR DRAIN SCHEDULE). G.C. TO COORDINATE SLOPE OF SLAB WITH EQUIPMENT VENDOR AND ENSURE ALL EQUIPMENT IS PLACED ON EVEN SLAB.
  - INTERIOR PARTITIONS ARE SHOWN FOR REFERENCE ONLY. REFER TO SHEETS A200 AND A201 FOR CONSTRUCTION OF INTERIOR WALLS.
  - ALL WOOD BLOCKING, FURRING, AND FRAMING SHALL BE FIRE RETARDANT TREATED IN ACCORDANCE WITH AIAFA STANDARDS.
  - ALL DOORS SHALL BE COORDINATED WITH SHEETS A200 AND A202.
  - REFER TO MEP SHEETS FOR FURTHER INFORMATION ON ALL UNDER GROUND UTILITIES AND CHASES.
  - FLOORS TO BE INSTALLED TO PROVIDE POSITIVE DRAINAGE TO ALL FLOOR DRAINS.
  - ALL FLOOR SINK GRATES TO BE SET TO FRONT OF EQUIPMENT.
  - DIMENSIONS SHOWN ARE FRAMING DIMENSIONS UNLESS OTHERWISE NOTED.
  - REFER TO CIVIL DRAWINGS FOR CONTINUATION OF UTILITIES.

- KEY NOTES**
- DUMPSTER AREA. REFER TO SHEET A001 AND CIVIL PLANS FOR FURTHER INFORMATION.
  - DOWNSPUTS FOR ROOF DRAINAGE. REFER TO PLUMBING SHEETS AND ROOF PLAN FOR FURTHER INFORMATION.
  - EXTERIOR ROOF LADDER AND CASE. REFER TO WALL SECTION 03/A104 FOR FURTHER INFORMATION.
  - G.C. TO PROVIDE 6" RAISED CONCRETE SLAB 30x36 FOR WATER HEATER. REFER TO 02/A000.
  - INTERNAL ROOF DRAIN/OVERFLOW. MAIN DRAIN TO CONNECT TO STORM SEWER AT EXTERIOR. USE CONE TONGUE AND SPLASH BLOCK TO DISCHARGE OVERFLOW. REFER TO ROOF PLAN AND DETAILS FOR FURTHER INFORMATION. SHEET A300 AND A301.
  - GRADED SLAB FOR GREASE RETENTION SYSTEM. 50' SQUARE MINIMUM. COORDINATE WITH SPECIFICATIONS. MINIMUM 6" THICK SLAB TO HAVE 3000 PSI STRENGTH AT 28 DAYS. SLAB TO HAVE SLOPE AWAY FROM BUILDING TO ALLOW FOR PROPER DRAINAGE. REFER TO STRUCTURAL, EQUIPMENT, AND PLUMBING DRAWINGS FOR FURTHER INFORMATION.
  - STRUCTURAL COLUMN TO BE COORDINATED WITH INTERIOR WALLS. REFER TO STRUCTURAL DRAWINGS AND SHEET A200.
  - EXPOSED STRUCTURAL COLUMN. G.C. TO MAINTAIN STRUCTURAL INTEGRITY. REFER TO A400 FOR FINISH INFORMATION.
  - EXTERIOR SIGNAGE ABOVE. G.C. TO PROVIDE AND INSTALL BLOCKING AND POWER AS REQUIRED. REFER TO SHEET A300 AND A301 FOR ACTUAL SIGN LOCATION.
  - FIRE RISER LOCATION. G.C. TO ENSURE PROPER CLEARANCE IS MAINTAINED PER CODE.
  - WATER METER LOCATION. REFER TO PLUMBING DRAWINGS FOR FURTHER INFORMATION.
  - TO-GO CANOPY. REFER TO SHEET A003 FOR FURTHER INFORMATION.
  - G.C. TO INSTALL 6 1/2" TALL RAISED CONCRETE CURB FOR BAR DIE WALL. BAR WILL BE SUPPLIED BY MILLWORK VENDOR. G.C. IS RESPONSIBLE FOR INSTALLING.
  - CHASE SLEEVES TO BE CUT, SEALED, AND CAPPED AROUND LINES WITHIN 3" OF FINISHED FLOOR. G.C. IS RESPONSIBLE TO CUT DOWN PVC TO SAME LEVEL THROUGHOUT LOCATION PRIOR TO VENDOR INSTALLING ITEMS.
  - G.C. TO PROVIDE 1/8" PER FOOT SLOPE TO FLOOR DRAIN/ FLOOR SINK.
  - ALL UNDER SLAB CHASES TO HAVE LONG RADIUS ELBOWS.
  - INTERNAL ROOF DRAIN TO BE INSTALLED WITHIN WALL. G.C. TO INSTALL CLEAN OUT ON DINING SIDE. COVER TO BE PVC AND PAINTED BROWN TO MATCH WALL FINISH.
  - PROPOSED LOCATION OF DOOR. FINAL PLACEMENT TO BE COORDINATED WITH FUTURE TENANT.

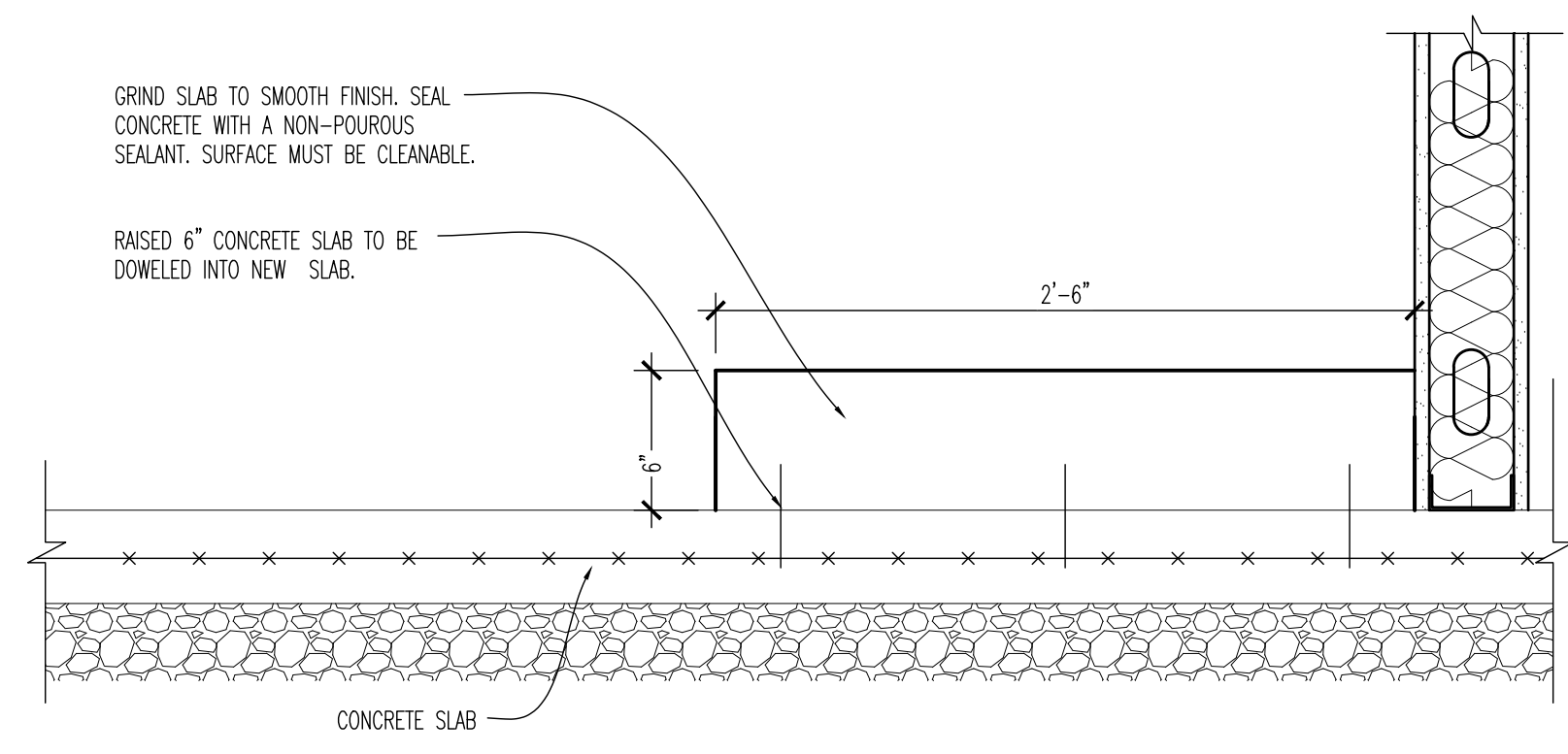


**ALTERNATE BID**

G.C. TO PROVIDE ALTERNATE BID FOR WINDOWS (2) C AND (1) D FOR STATIONARY WINDOWS TO MATCH OTHERS. SEE WINDOW SCHEDULE FOR FURTHER INFORMATION.



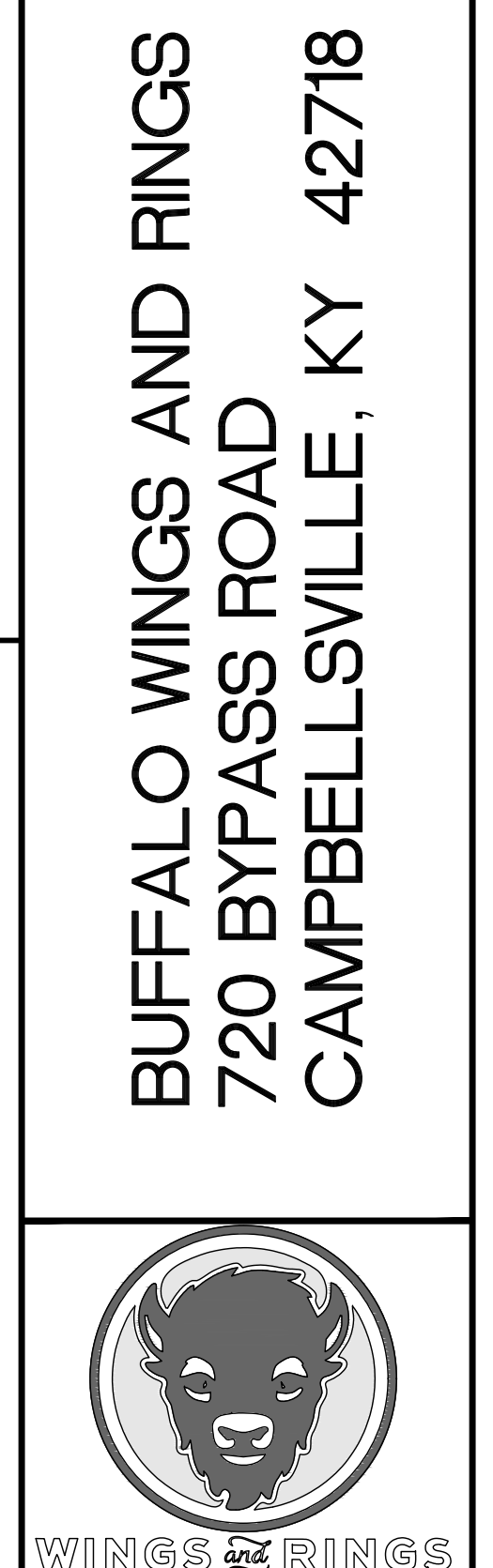
**01 EXTERIOR CONSTRUCTION PLAN**  
 SCALE: 3/16" = 1'-0"



**02 RAISED SLAB FOR WATER HEATER**  
 SCALE: 1-1/2" = 1'-0"

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**BUFFALO WINGS AND RINGS**  
 720 BYPASS ROAD  
 CAMPBELLVILLE, KY 42718



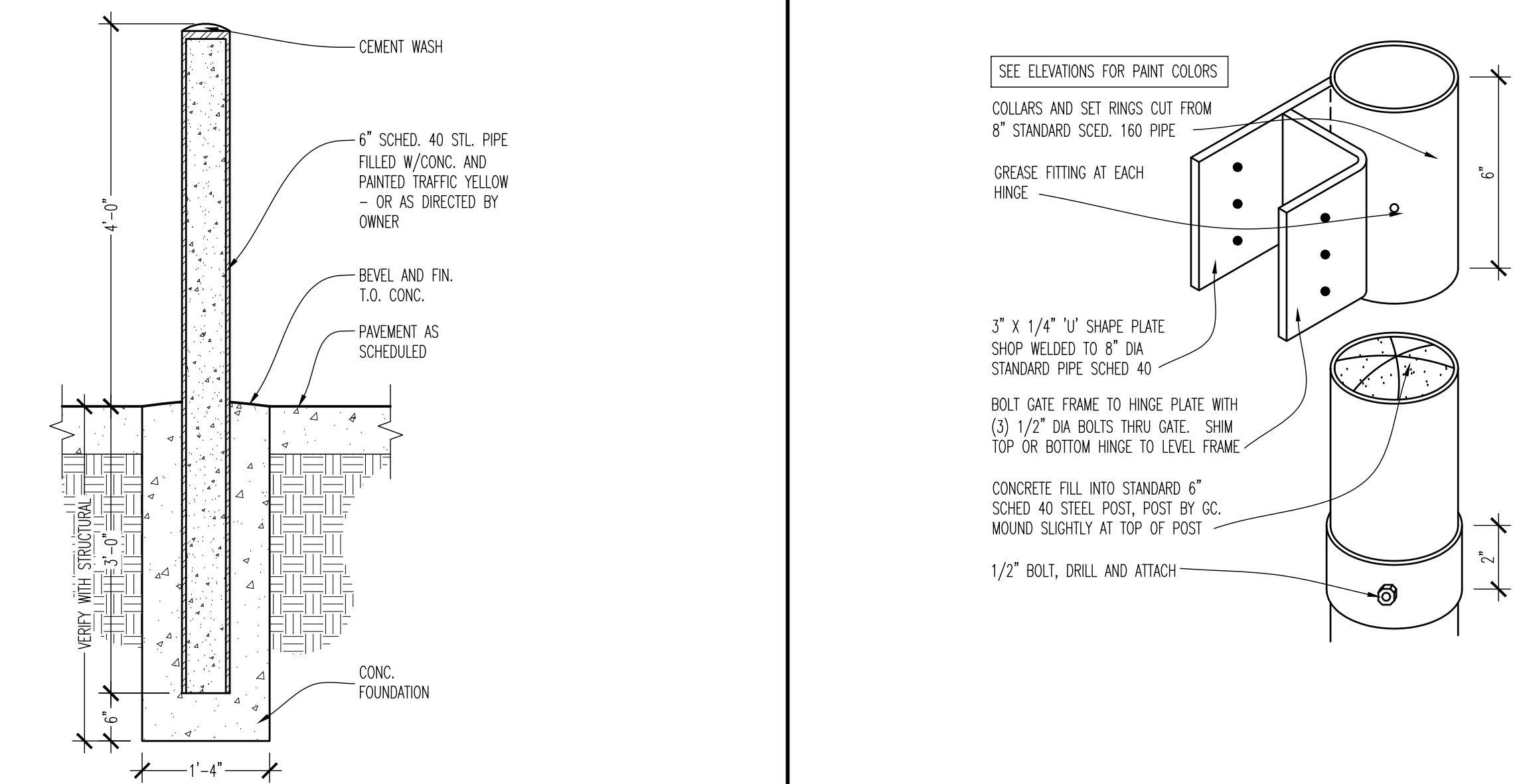
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	DESCRIPTION	BID AND PERMIT
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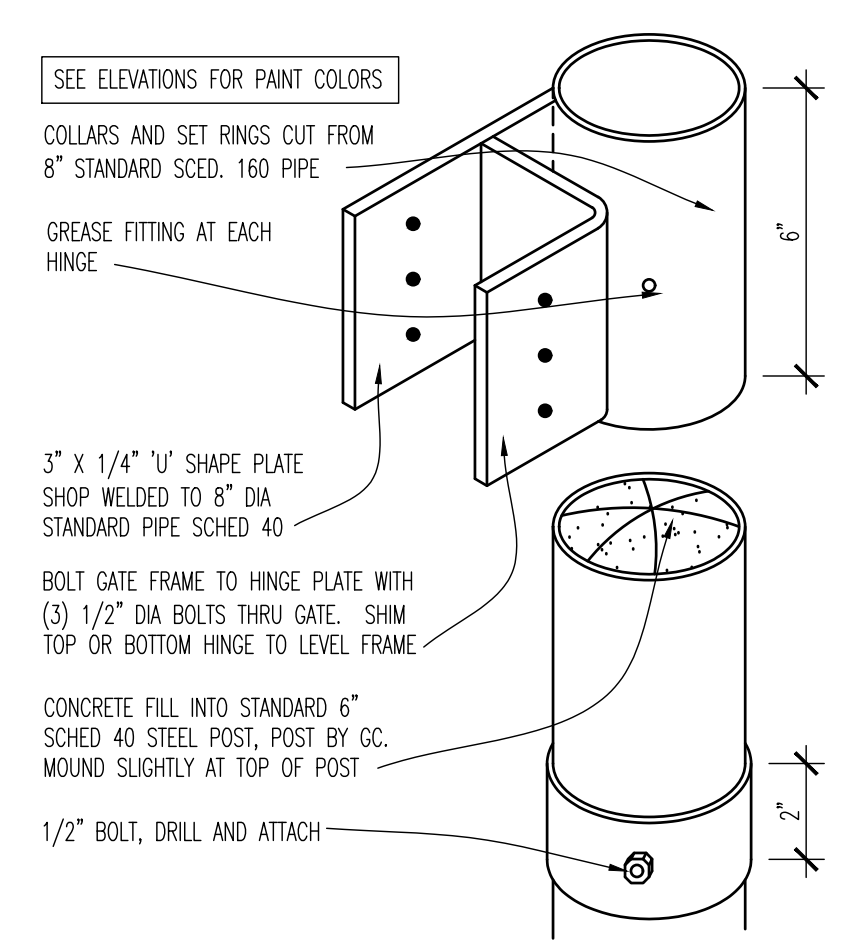
SERVICE YARD PLAN AND DETAILS  
 SCALE: AS NOTED  
 Drawn By: CUB Checked: JLD

PROJECT NUMBER  
 20-0501

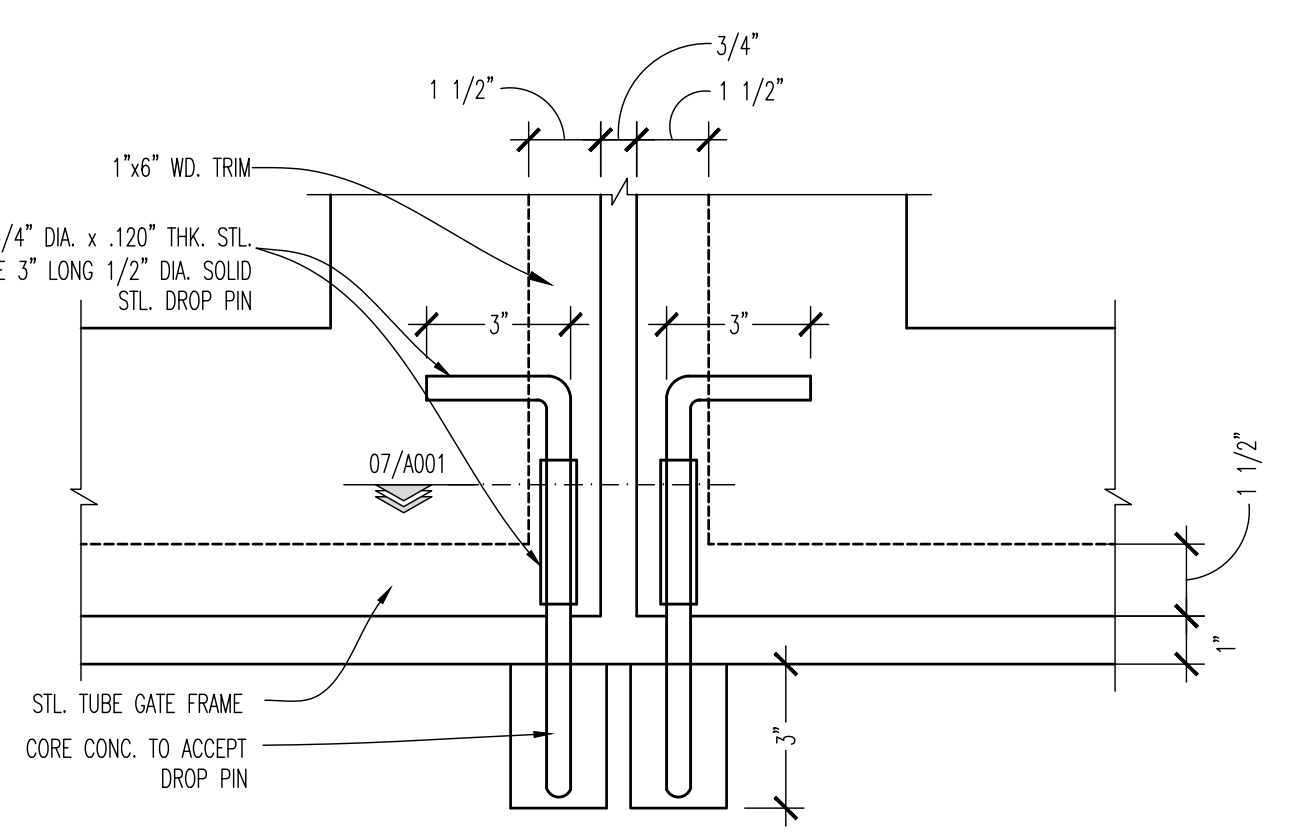
SHEET NUMBER  
**A001**



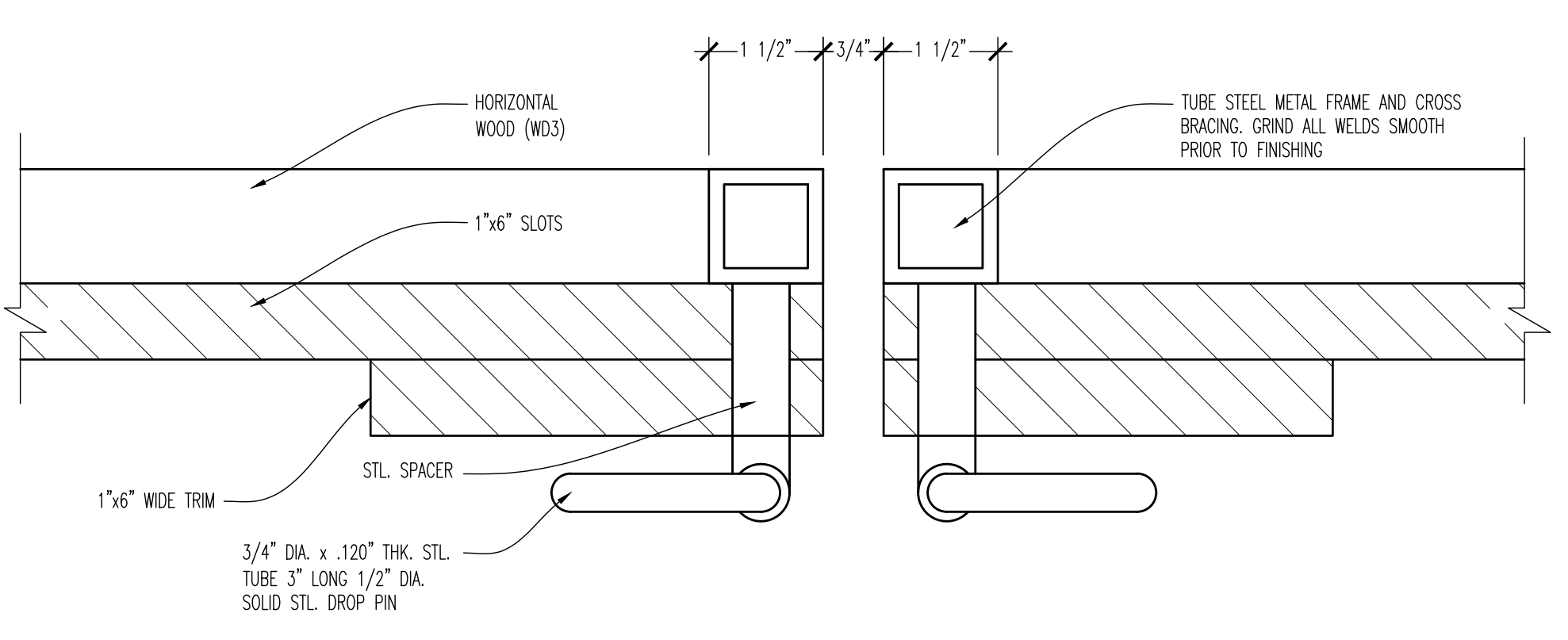
**03 PIPE BOLLARD DETAIL**  
 SCALE: 3/4"=1'-0"



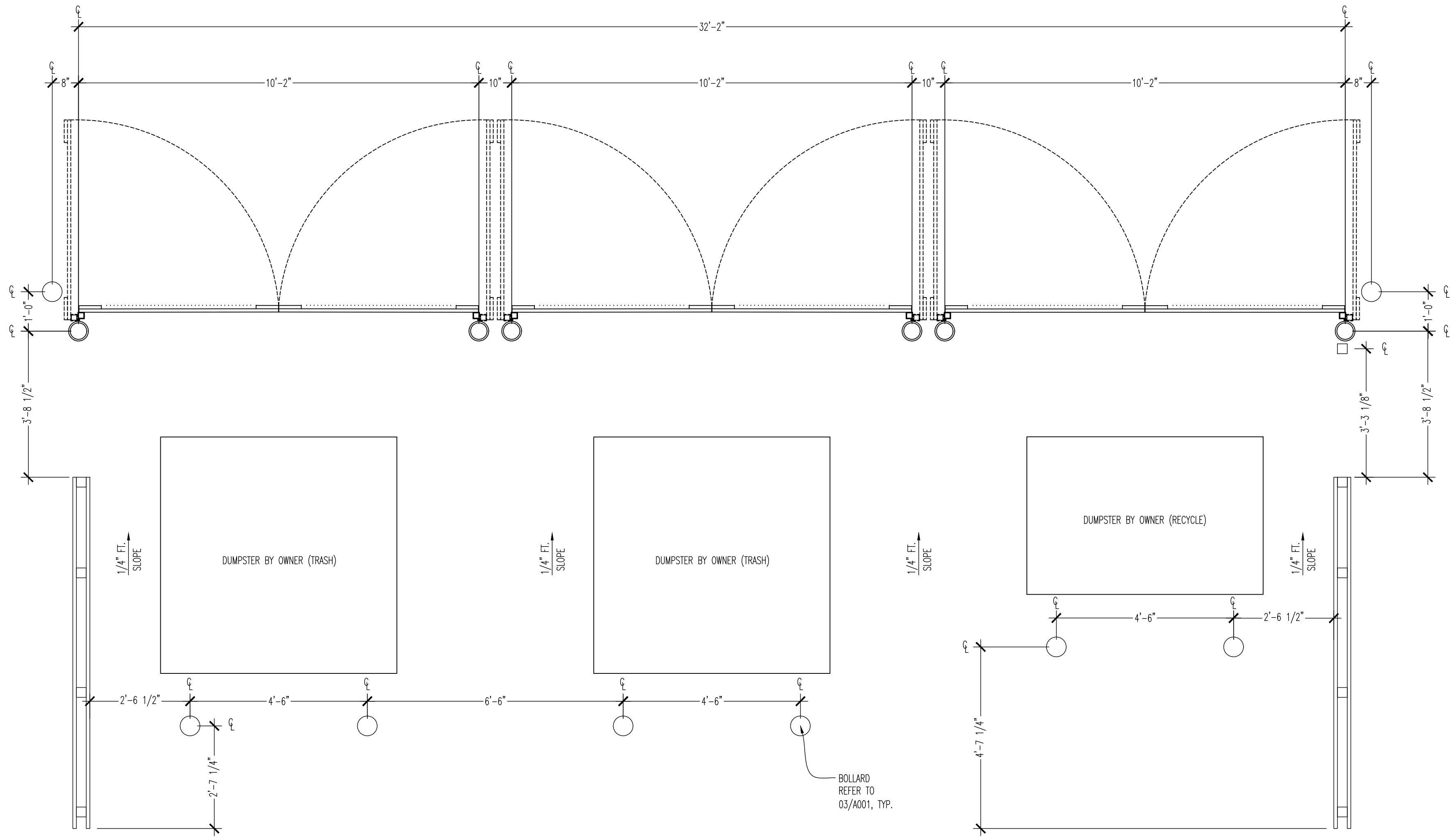
**04 GATE HINGE DETAIL**  
 SCALE: 3"=1'-0"



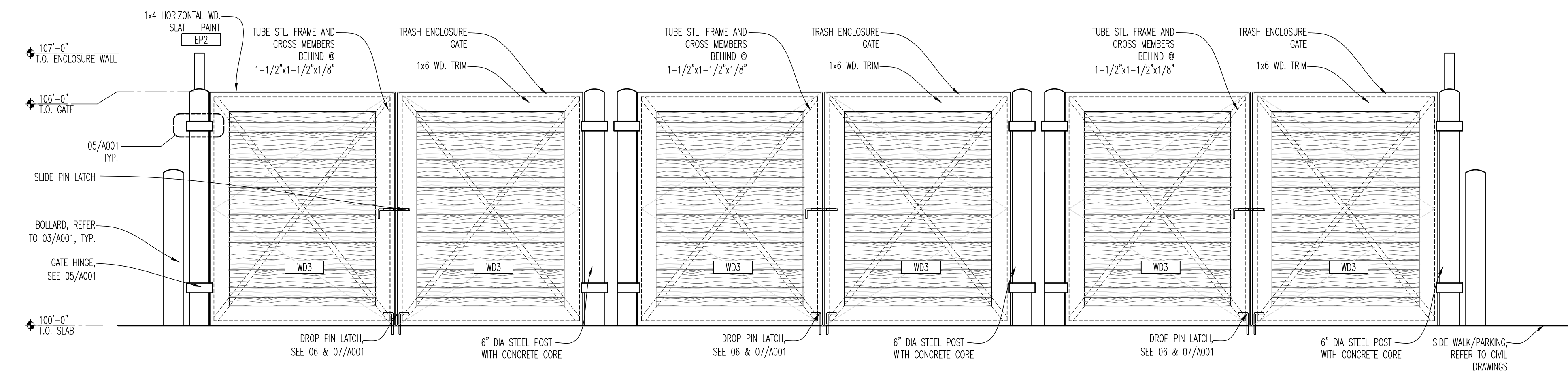
**05 DROP PIN DETAIL**  
 SCALE: 3"=1'-0"



**06 DROP PIN PLAN DETAIL**  
 SCALE: 6"=1'-0"



**01 ENLARGED TRASH ENCLOSURE**  
 SCALE: 1/2"=1'-0"



**02 DUMPSTER ELEVATION**  
 SCALE: 1/2"=1'-0"





WINGS and RINGS

DRAWING ISSUE	DATE	11/25/20
	DESCRIPTION	BID AND PERMIT
NO.		

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12/1/2020

EXTERIOR ELEVATIONS  
 SCALE: AS NOTED  
 Drawn By: CJB Checked: LJD

PROJECT NUMBER  
 20-0501

SHEET NUMBER

A101

**GENERAL NOTES**

- COORDINATE WITH MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ALL PENETRATIONS IN THE EXTERIOR FACADES.
- REFER TO SHEET A202 FOR WINDOW AND DOOR SPECIFICATIONS.
- C.C. TO VERIFY LOCATION, SIZE, & TYPE OF ADDRESS NUMBERS & LETTERS FOR BUILDING WITH LOCAL AUTHORITIES. LETTERS & NUMBERS TO BE PROVIDED & INSTALLED BY C.C.
- BUILDING SIGNAGE & AWNING ARE UNDER A SEPARATE PERMIT & NOT PART OF THIS PLAN REVIEW. C.C. TO PROVIDE BLOCKING AND POWER FOR ALL SIGNAGE AND AWNING - COORDINATE WITH SIGN VENDOR AND DRAWINGS. ALL SIGNAGE SHALL MEET REQUIREMENTS OF BUFFALO WINGS & RINGS, CITY PLANNING DEPARTMENT AND DEVELOPER AT TIME OF PERMIT.
- ALL EXTERIOR MATERIALS TO BE APPROVED BY ARCHITECT.
- TO PROVIDE AND INSTALL FIRE RETARDANT TREATED WOOD BLOCKING FOR ALL EXTERIOR LIGHTING. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH ELECTRICIAN.
- REFER TO ELECTRICAL DRAWINGS FOR EXTERIOR LIGHT SPECIFICATIONS.
- C.C. TO INSTALL BRICK EXPANSION JOINTS PER MANUFACTURER'S SPECIFICATIONS. ADVISE ARCHITECT OF JOINT LAYOUT PRIOR TO INSTALLATION.
- SIGNAGE VENDOR IS RESPONSIBLE FOR ALL LOCAL JURISDICTION REQUIREMENTS ON SIGNAGE AND AWNING INSTALLATION AND SPECIFICATIONS.
- PER APC VOL. II, SECTION 1405.3.2 WEEPHOLES AND FLASHINGS ARE REQUIRED IN THE MASONRY OR STONE VENEER WALLS LOCATED IN THE FIRST MORTAR JOINT ABOVE GRADE AND AT ALL HORIZONTAL HEADERS, SILLS AND LINTELS.

**KEY NOTES**

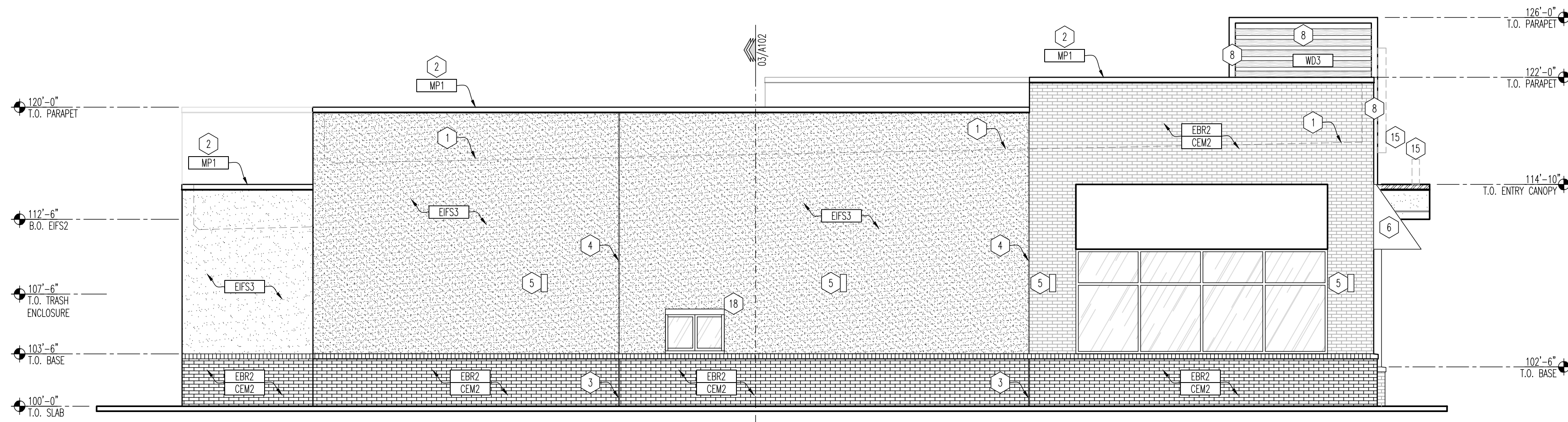
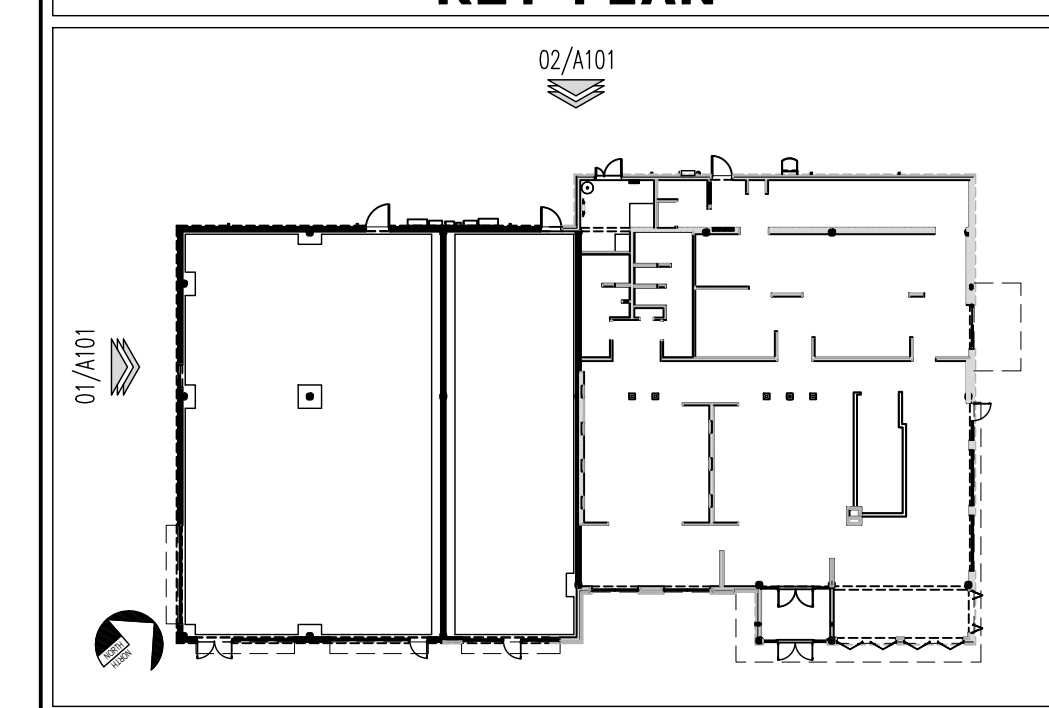
- DASHED LINE INDICATES ROOF DECK BEYOND, REFER TO ROOF PLAN ON SHEET A300 FOR ADDITIONAL INFORMATION.
- 4" PRE-FINISHED METAL COPING, COLOR PER FINISH SCHEDULE.
- BRICK CONTROL JOINT, INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- EPS CONTROL JOINT, INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- UP/DOWN WALL SCONCE, COORDINATE WITH ELECTRICAL DRAWINGS.
- EPS CANOPY AT ENTRY, REFER TO WALL DETAIL 01/A103.
- LED ROPE LIGHT TO BE INSTALLED UNDER COPING. REFER TO 03/A106 AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
- EXPOSED STRUCTURE TO BE PRIMED AND PAINTED SHERWIN WILLIAMS SW688 'BOHEMIAN BLACK'. REFER TO WALL SECTIONS FOR FURTHER INFORMATION.
- TRASH ENCLOSURE REFER TO A001 FOR FURTHER INFORMATION.
- HOLLOW METAL DOOR, DOOR AND FRAME PAINTED EXTERIOR GRADE SHERWIN WILLIAMS SW2735 'ROCKWELL'. P-2
- EXTERIOR WALL PACK LIGHT, REFER TO ELECTRICAL DRAWINGS.
- EXTERIOR ROOF LADDER WITH CASE, REFER TO DETAIL 03/A104 AND SHEET A300.
- PRE-FINISHED ALUMINUM SCUPPER, OVERFLOW AND DOWNSPOUT [PCT], SEE DETAILS ON A001.
- OVERFLOW COWS TONGUE, REFER TO A000 AND A300 FOR FURTHER INFORMATION.
- SIGN BY OWNERS VENDOR. REFER TO DETAILS ON SHEET A101 AND A003.
- CANOPY, REFER TO DETAILS 06/A101 AND 14/A106 FOR FURTHER INFORMATION.
- DOOR LOCATION FOR REFERENCE, COORDINATE FINAL LOCATION WITH FUTURE TENANT.
- FUTURE DRIVE-THRU WINDOW, COORDINATE FINAL LOCATION WITH FUTURE TENANT.

**EXTERIOR FINISHES**

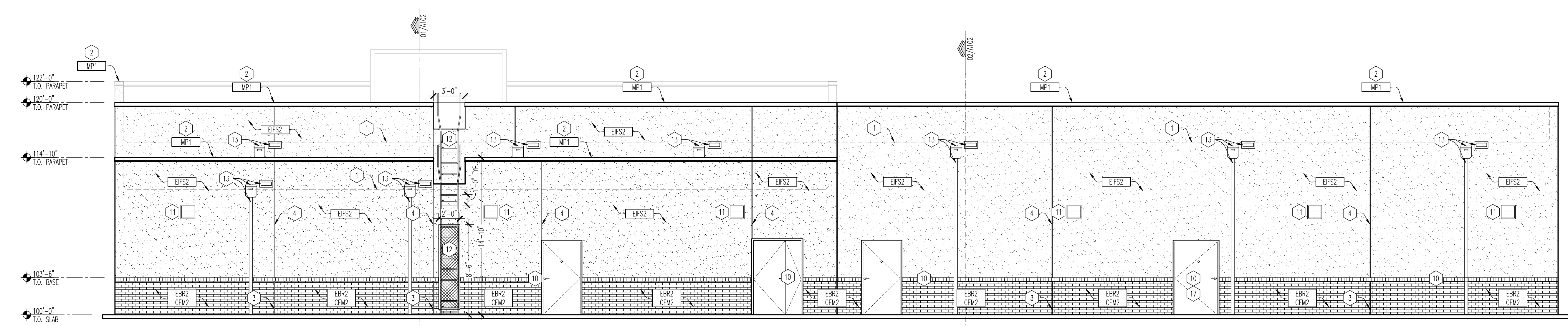
NOTES:  
 SEE FINISH SCHEDULE ON SHEET A003 FOR PRODUCT MANUFACTURER AND SPECIFICATION INFORMATION.  
 ARCHITECT TO APPROVE MATERIAL SAMPLES/COLORS PRIOR TO ORDERING.

<p>BY: DRYPAT SYSTEMS, INC.                  FINISH: SANDABLE DPM FINISH TEXTURE                  COLOR: SHERWIN WILLIAMS SW688 "BOHEMIAN BLACK"                  E.L.F.S./PAINT</p>	<p>BY: DRYPAT SYSTEMS, INC.                  FINISH: SANDABLE DPM FINISH TEXTURE                  COLOR: SHERWIN WILLIAMS SW688 "BOHEMIAN BLACK"                  E.L.F.S./PAINT</p>	<p>BY: DRYPAT SYSTEMS, INC.                  FINISH: SANDABLE DPM FINISH TEXTURE                  COLOR: SHERWIN WILLIAMS SW688 "BOHEMIAN BLACK"                  E.L.F.S./PAINT</p>	<p>BY: DRYPAT SYSTEMS, INC.                  FINISH: SANDABLE DPM FINISH TEXTURE                  COLOR: SHERWIN WILLIAMS SW688 "BOHEMIAN BLACK"                  E.L.F.S./PAINT</p>	<p>BY: BELLEN                  COLOR: ALUMINUM WHITE                  MORTAR: "TIGER" SOFT WHITE                  "OAK RIVER MASONRY SAND"</p>	<p>BY: GLEN GLEN BRICK                  COLOR: "MIDWEST" OILY                  MORTAR: "TIGER" CHARCOAL                  "OAK RIVER MASONRY SAND"</p>	<p>BY: PAC-COAL PETERSON ALUMINUM                  COLOR: METALLIC COLORS, DARK BRONZE</p>	<p>BY: PAC-COAL PETERSON ALUMINUM                  COLOR: METALLIC COLORS, DARK BRONZE</p>
--	--	--	--	--	---	--	--

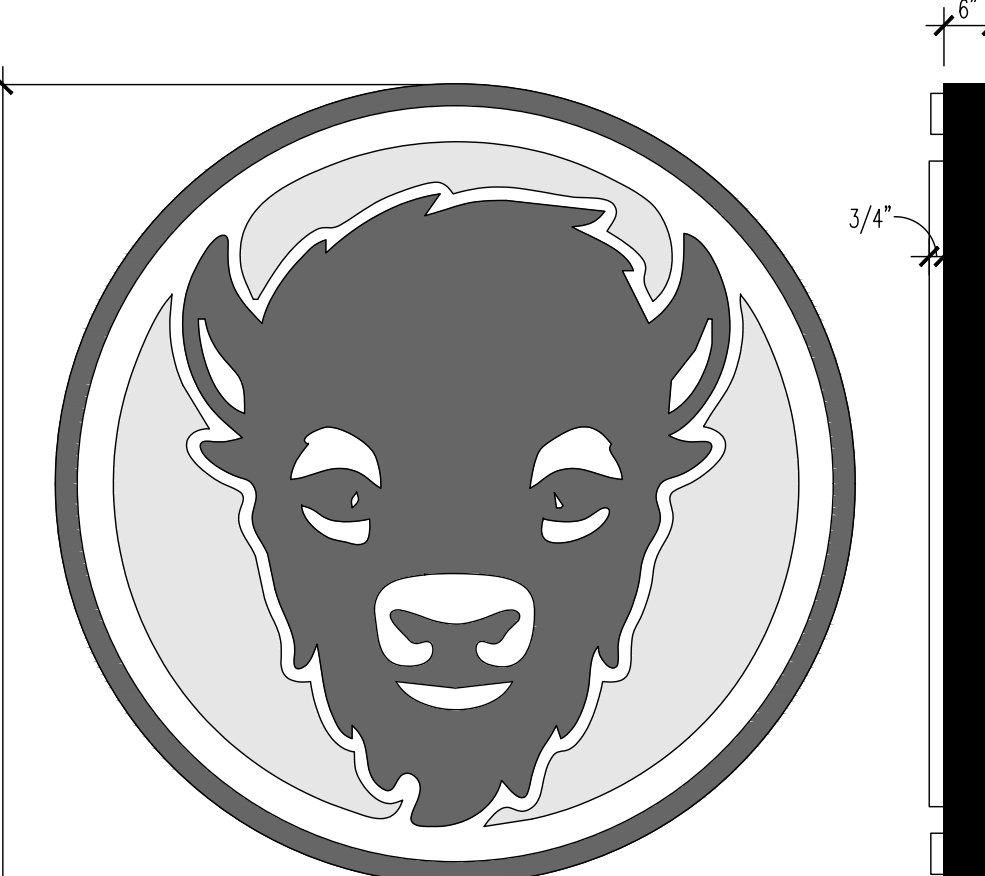
**KEY PLAN**



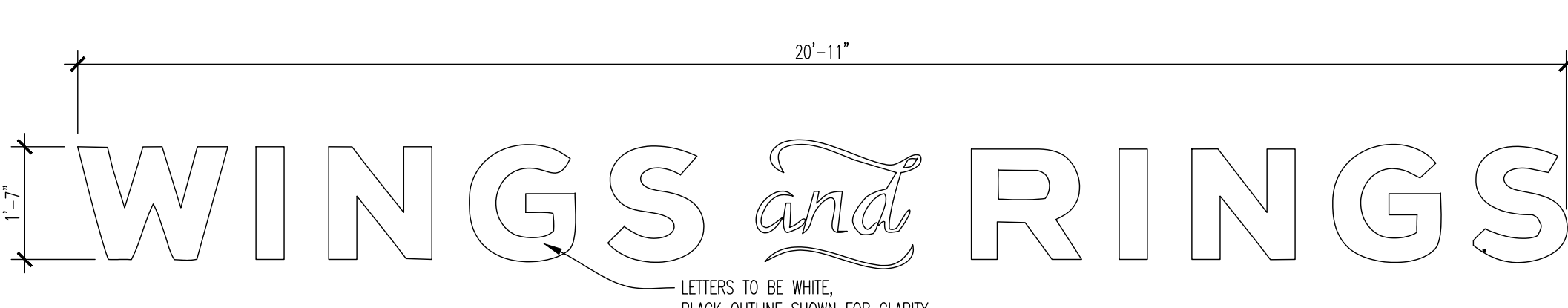
**01 WEST ELEVATION**  
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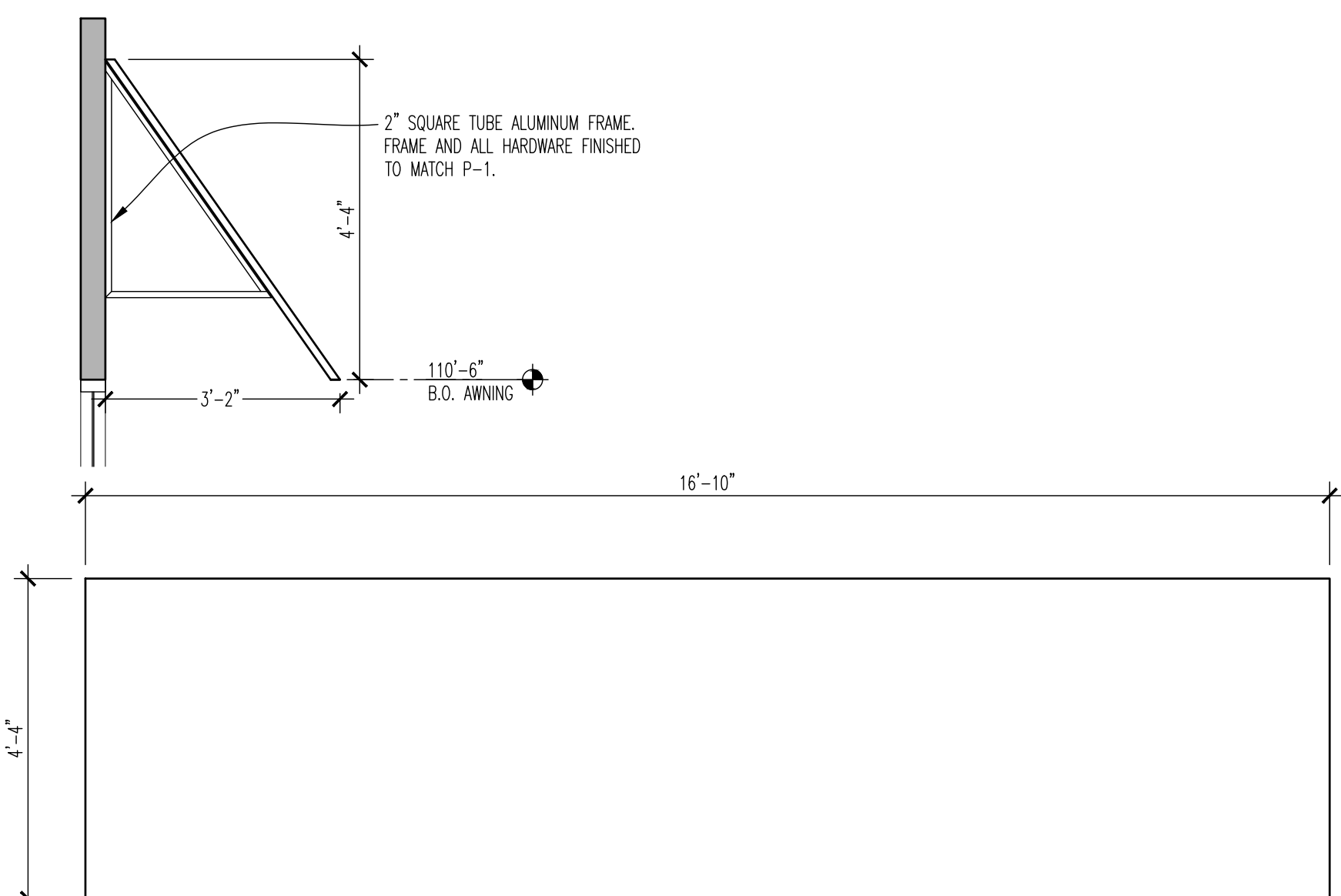
**02 NORTH ELEVATION**  
 SCALE: 3/16"=1'-0"



**03 LOGO SIGN DETAIL (EX-1)**  
 SCALE: 1/2"=1'-0"



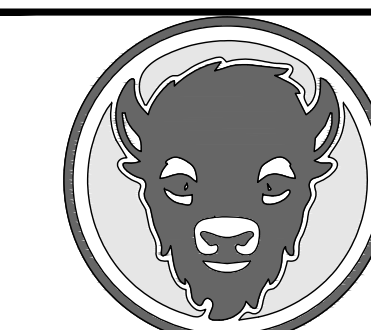
**04 LOGO SIGN DETAIL (EX-2)**  
 SCALE: 1/2"=1'-0"



**05 AWNING DETAIL (EX-4)**  
 SCALE: 1/2"=1'-0"



BUFFALO WINGS AND RINGS  
 720 BYPASS ROAD  
 CAMPBELLVILLE, KY 42718



WINGS & RINGS

DRAWING ISSUE	
NO.	DATE
	11/25/20
DESCRIPTION	
BID AND PERMIT	

STAMP

12.12.2020

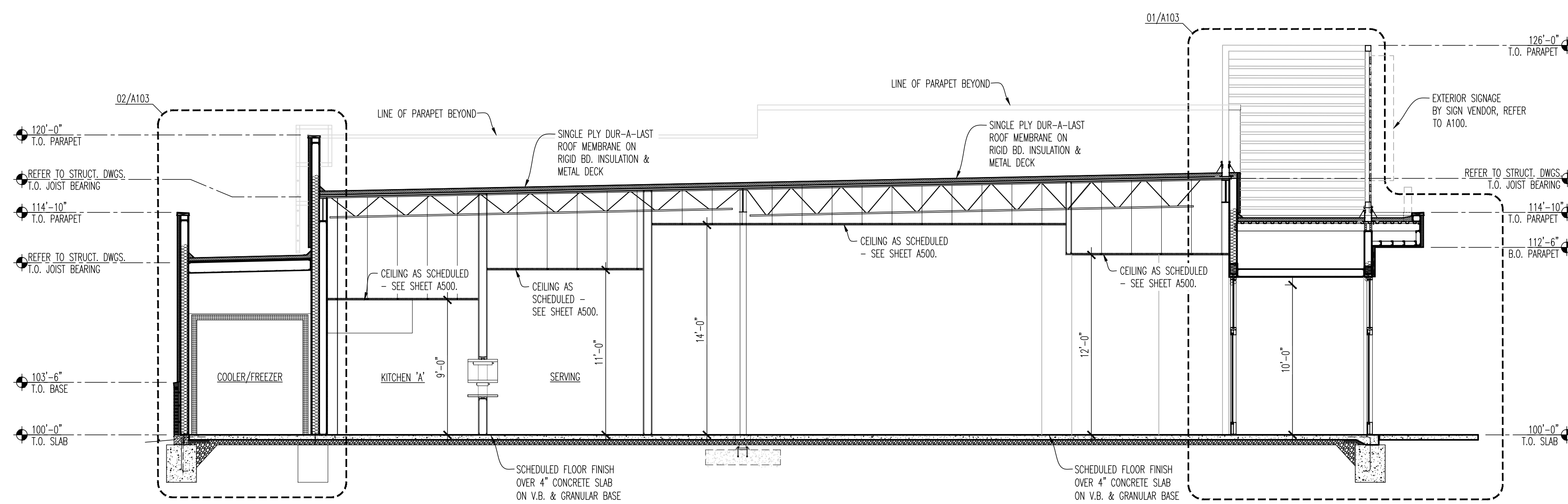
BUILDING SECTIONS

Scale: 3/16" = 1'-0"  
 Drawn By: CUB Checked: LJD

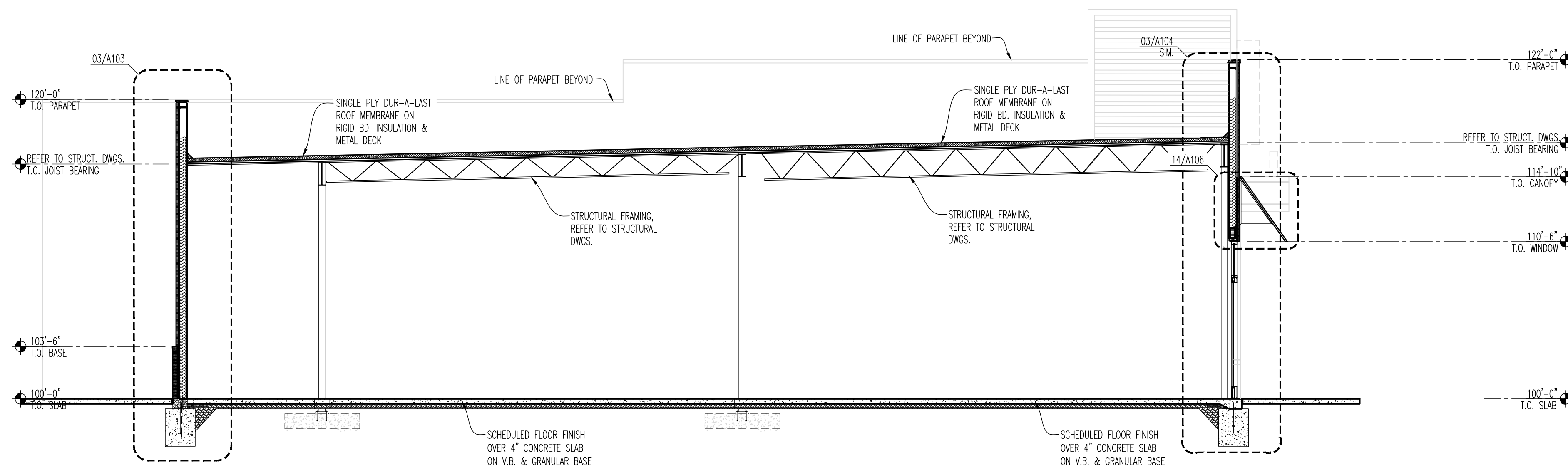
PROJECT NUMBER  
 20-0501

SHEET NUMBER

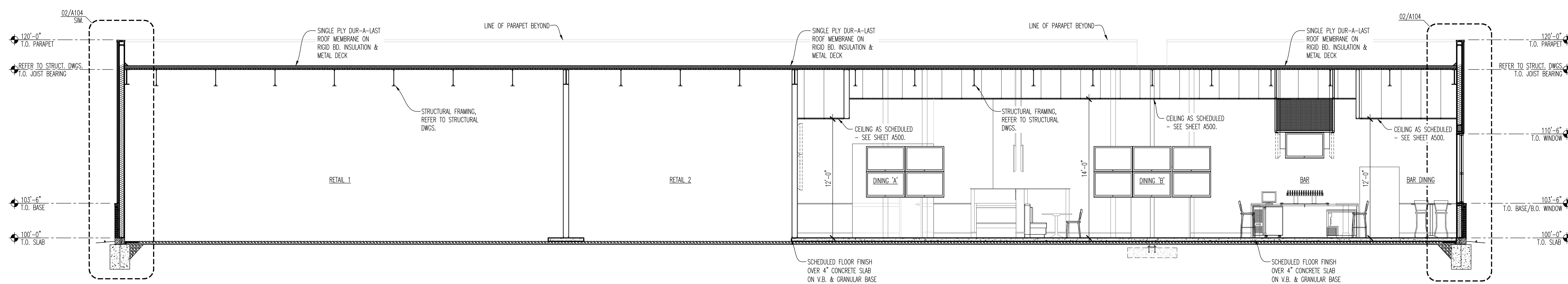
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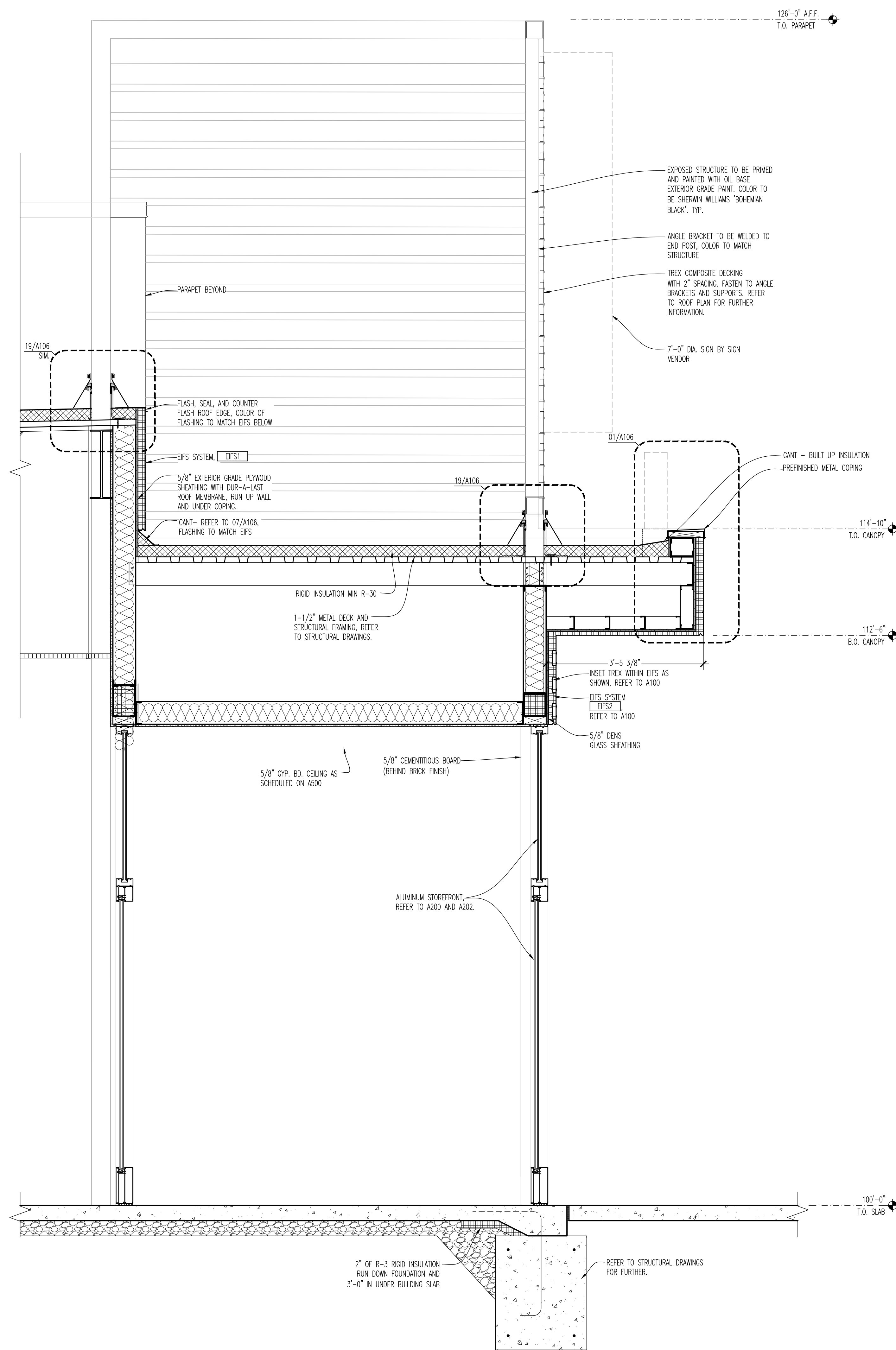


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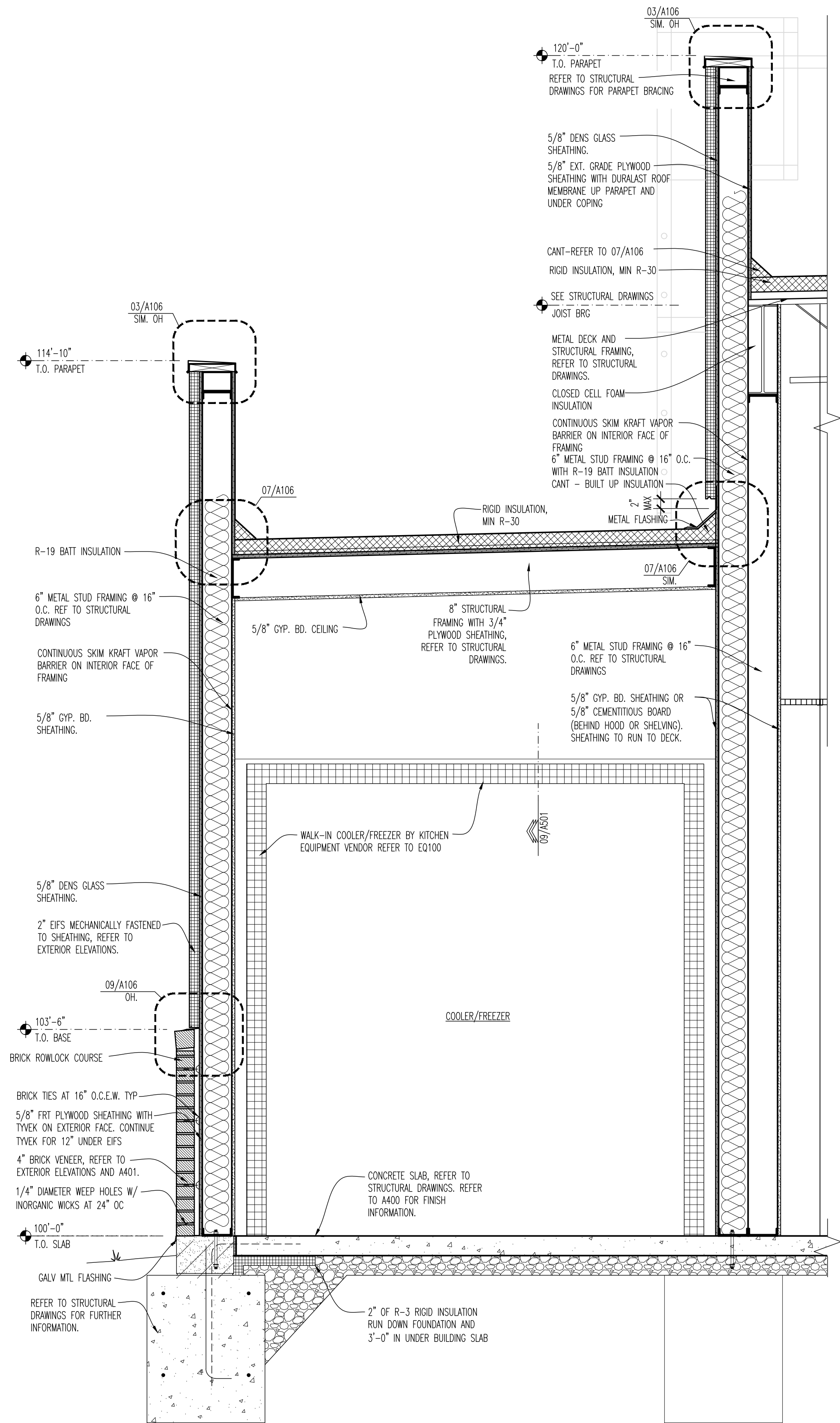


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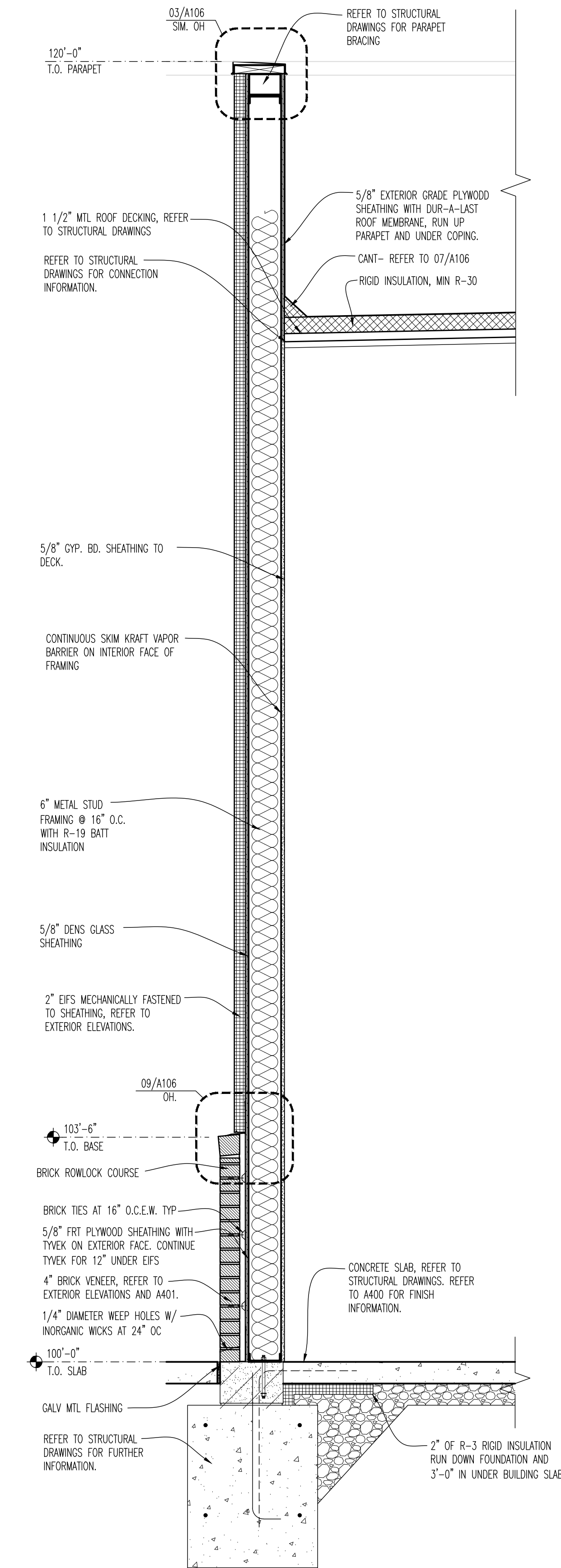
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**01 WALL SECTION AT ENTRY**  
SCALE: 3/4"=1'-0"



**02 WALL SECTION**  
SCALE: 3/4"=1'-0"



**03 WALL SECTION**  
SCALE: 3/4"=1'-0"

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**BUFFALO WINGS AND RINGS**  
720 BYPASS ROAD  
CAMPBELLVILLE, KY 42718



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	11/25/20
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**STAMP**

12.12.2020

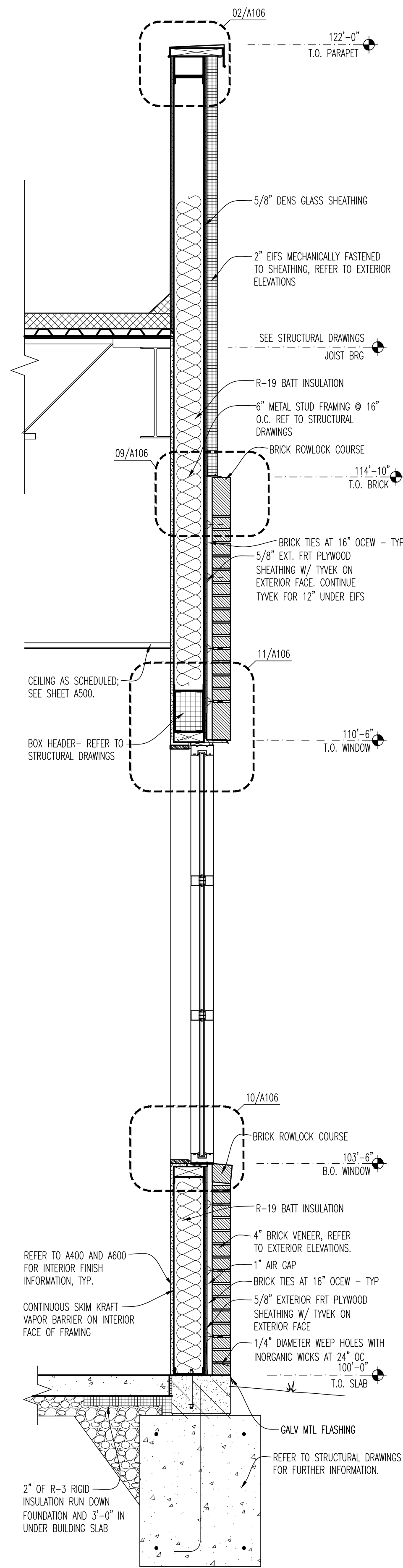
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Drawn By: CJB Checked JLD

**PROJECT NUMBER**  
20-0501

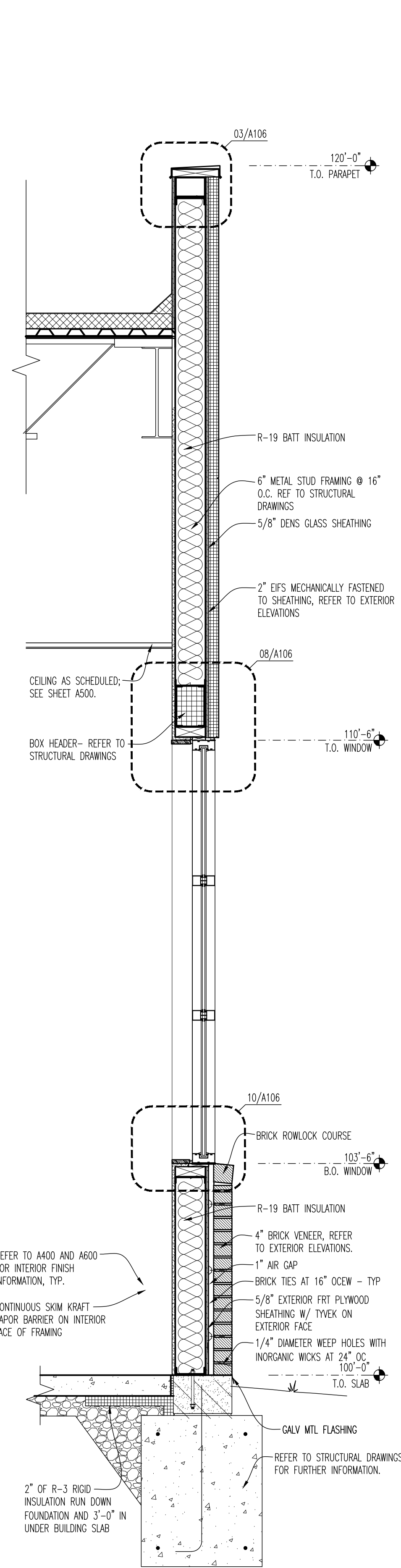
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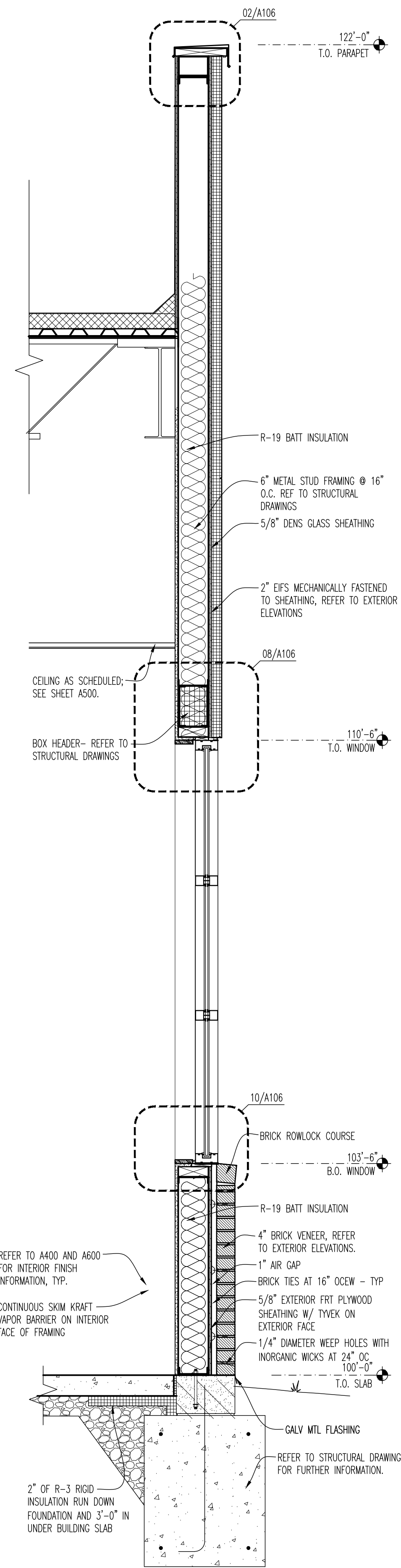
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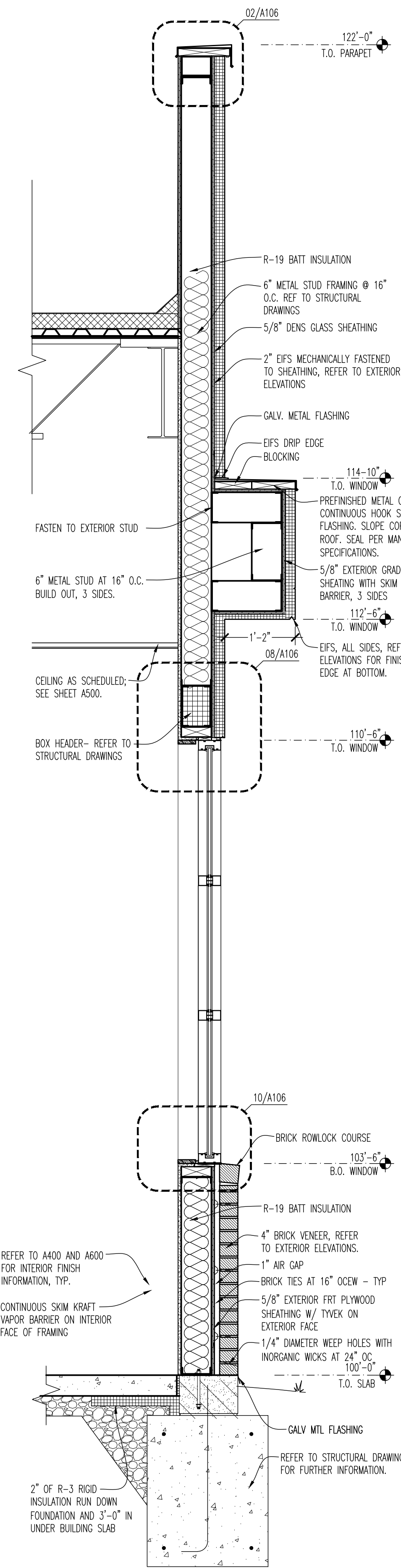
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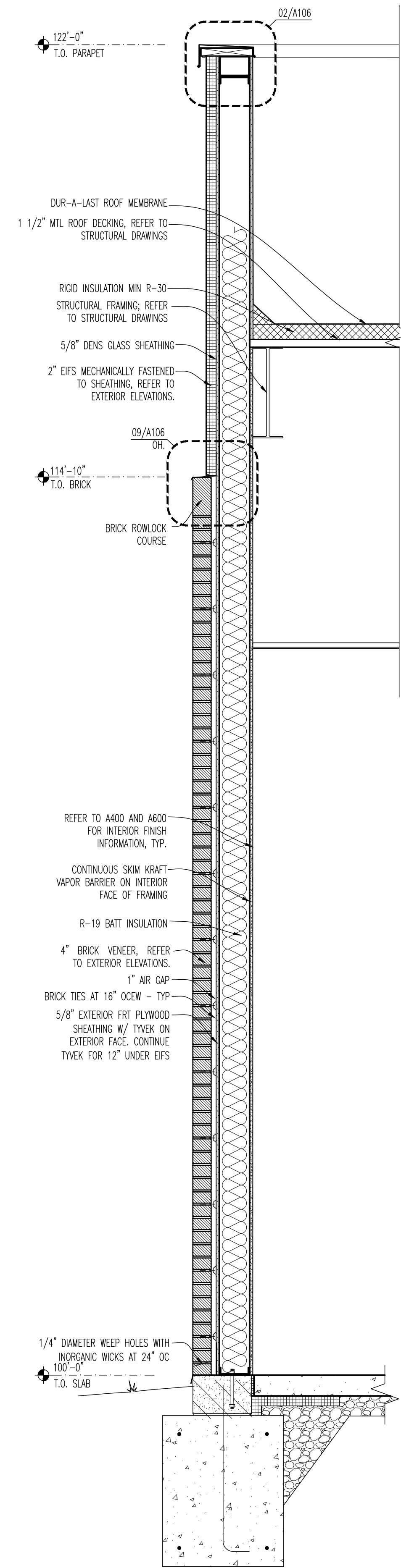
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**03 WALL SECTION**  
SCALE: 3/4"=1'-0"



**04 WALL SECTION**  
SCALE: 3/4"=1'-0"



**05 WALL SECTION**  
SCALE: 3/4"=1'-0"

**BUFFALO WINGS AND RINGS**  
720 BYPASS ROAD  
CAMPBELLVILLE, KY 42718



WINGS & RINGS

DRAWING ISSUE	DATE	11/25/20
	DESCRIPTION	BID AND PERMIT
NO.		

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12/1/2020

**WALL SECTIONS**  
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Drawn By: CJB Checked JLD

**PROJECT NUMBER**  
20-0501

**SHEET NUMBER**

**A104**





WINGS & RINGS

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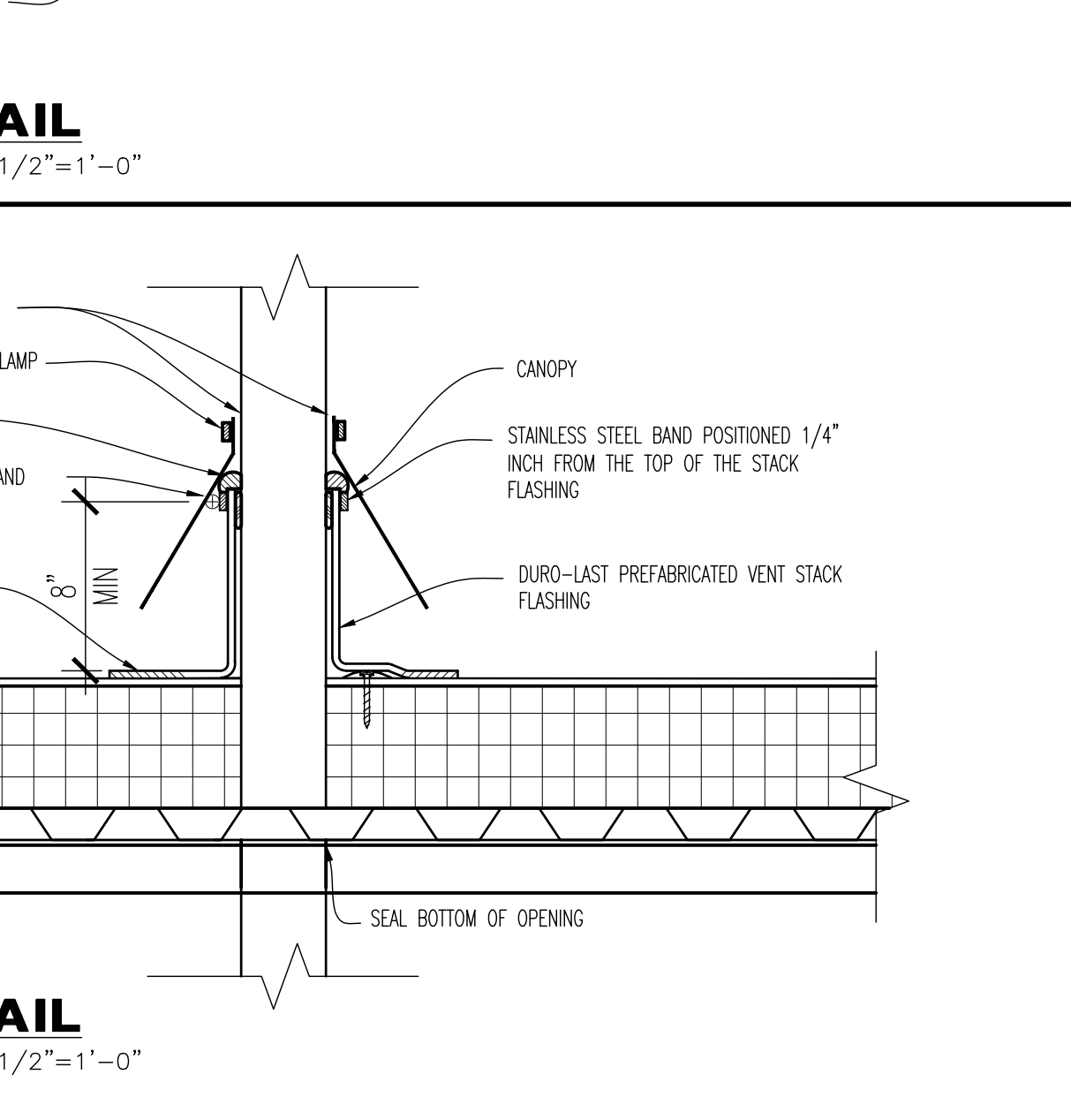
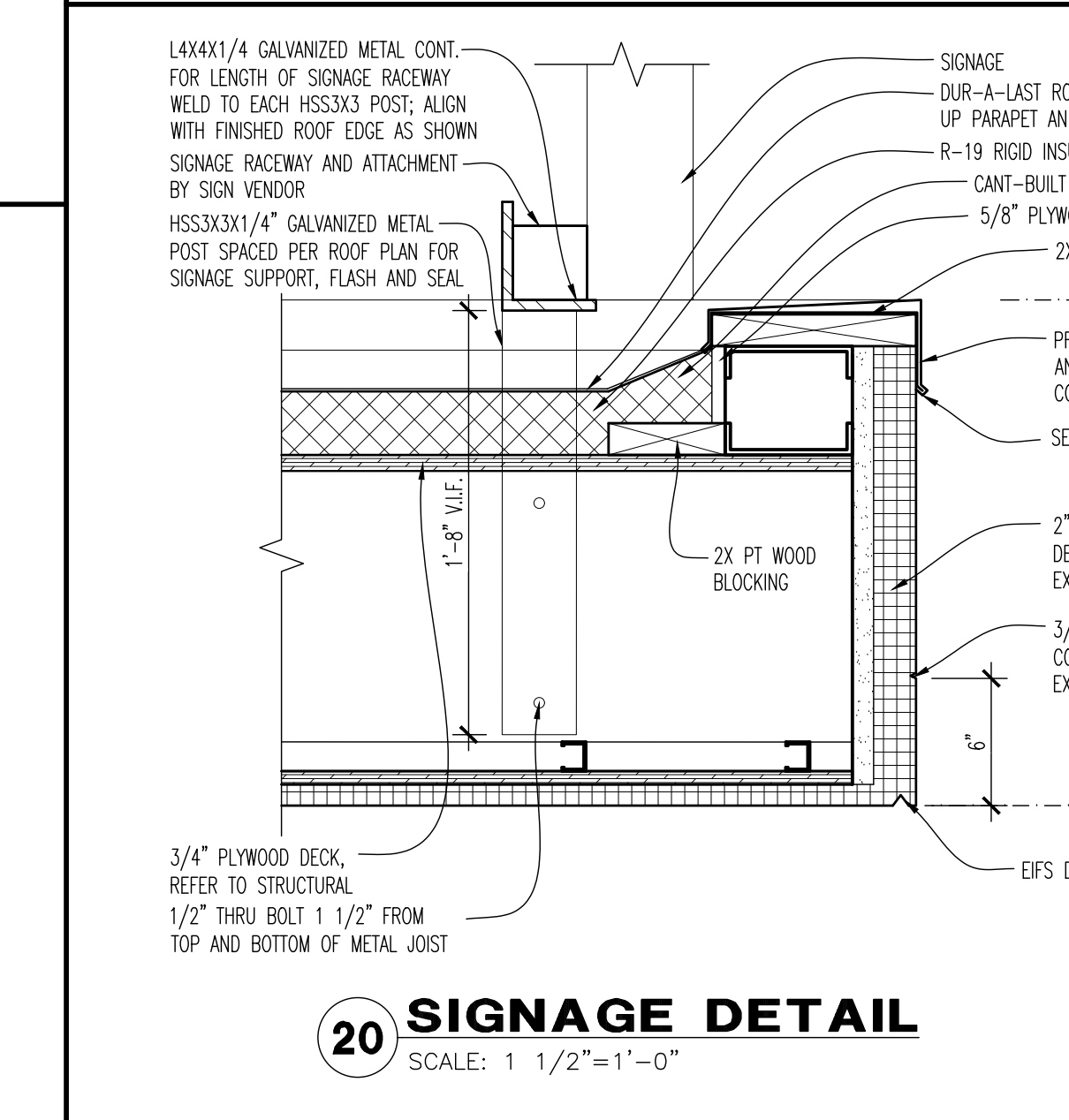
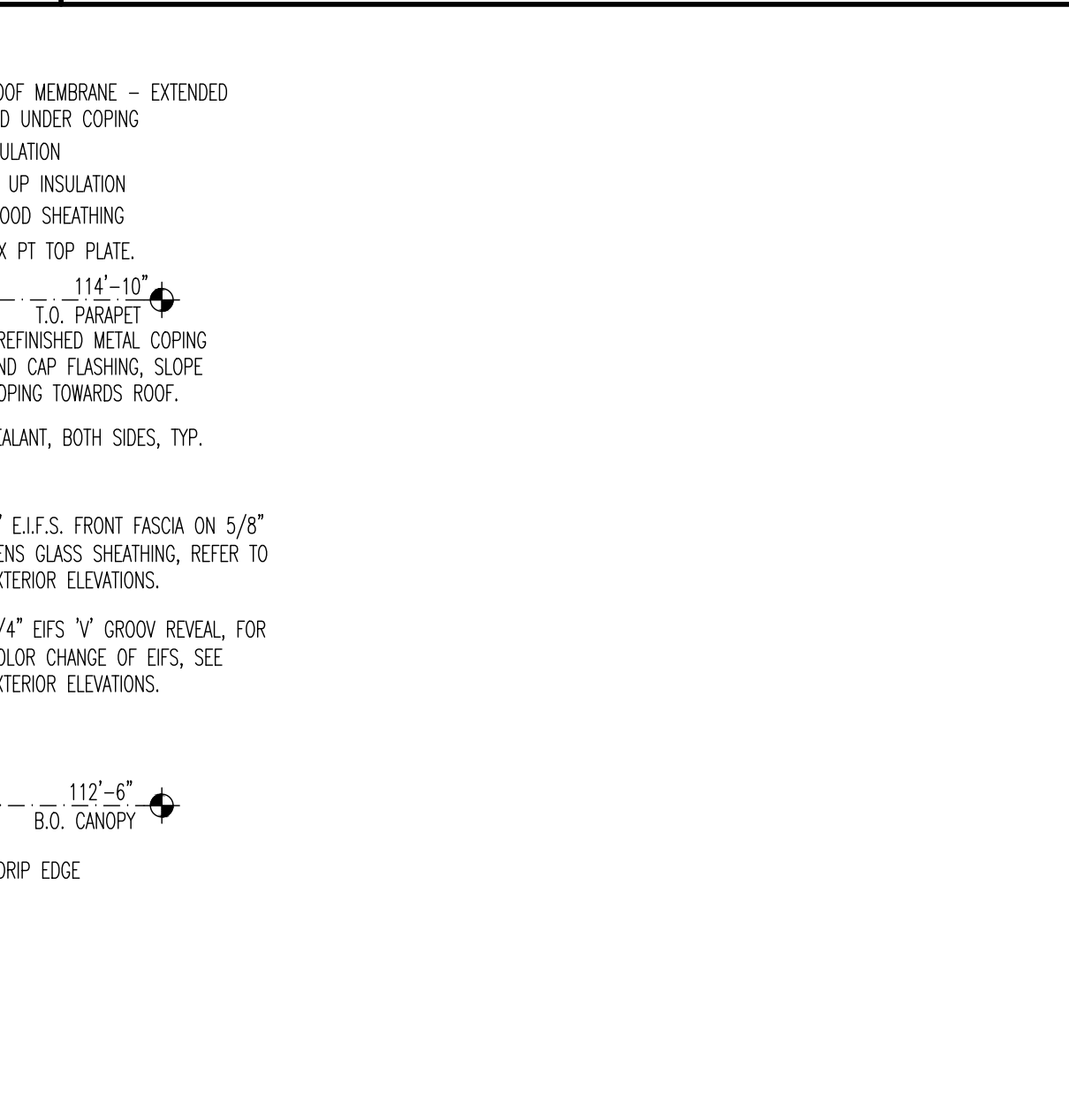
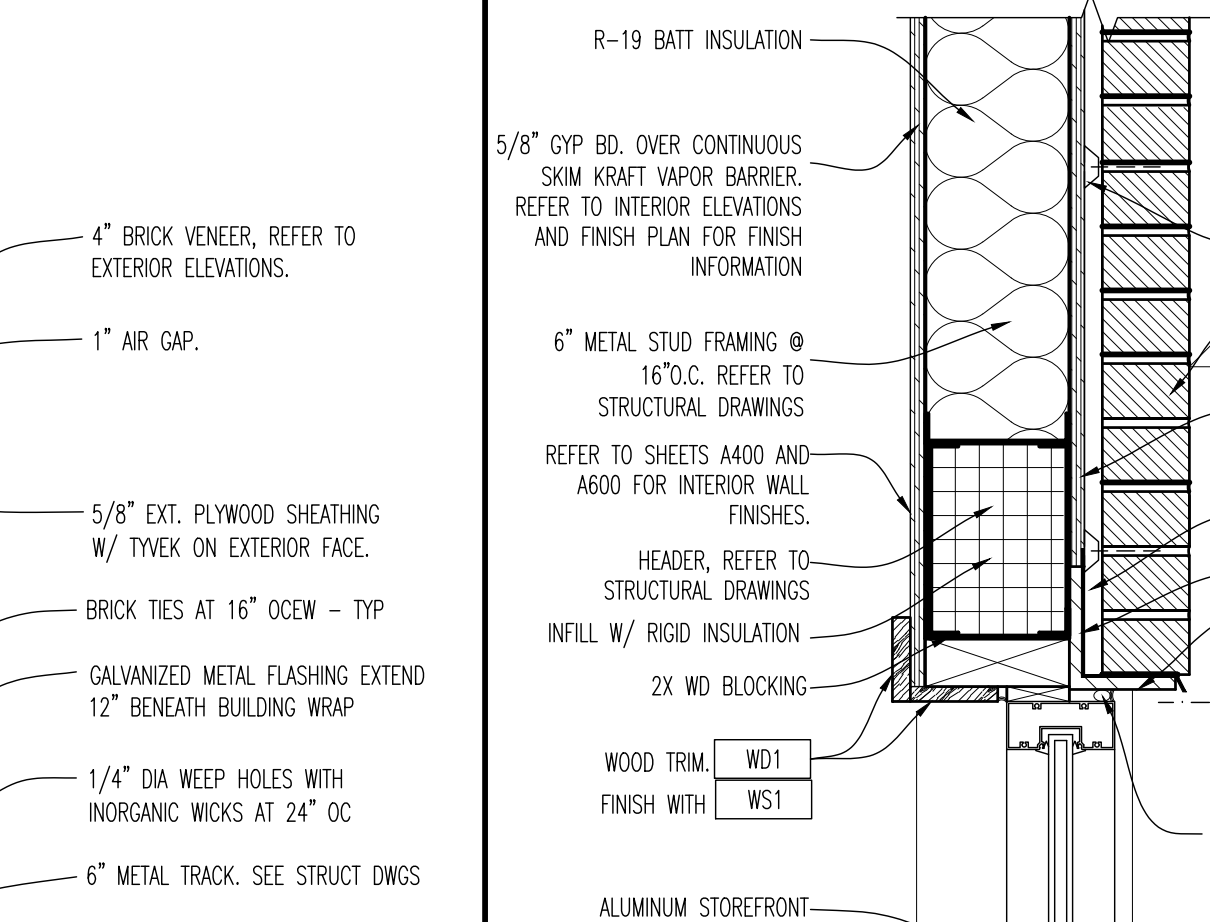
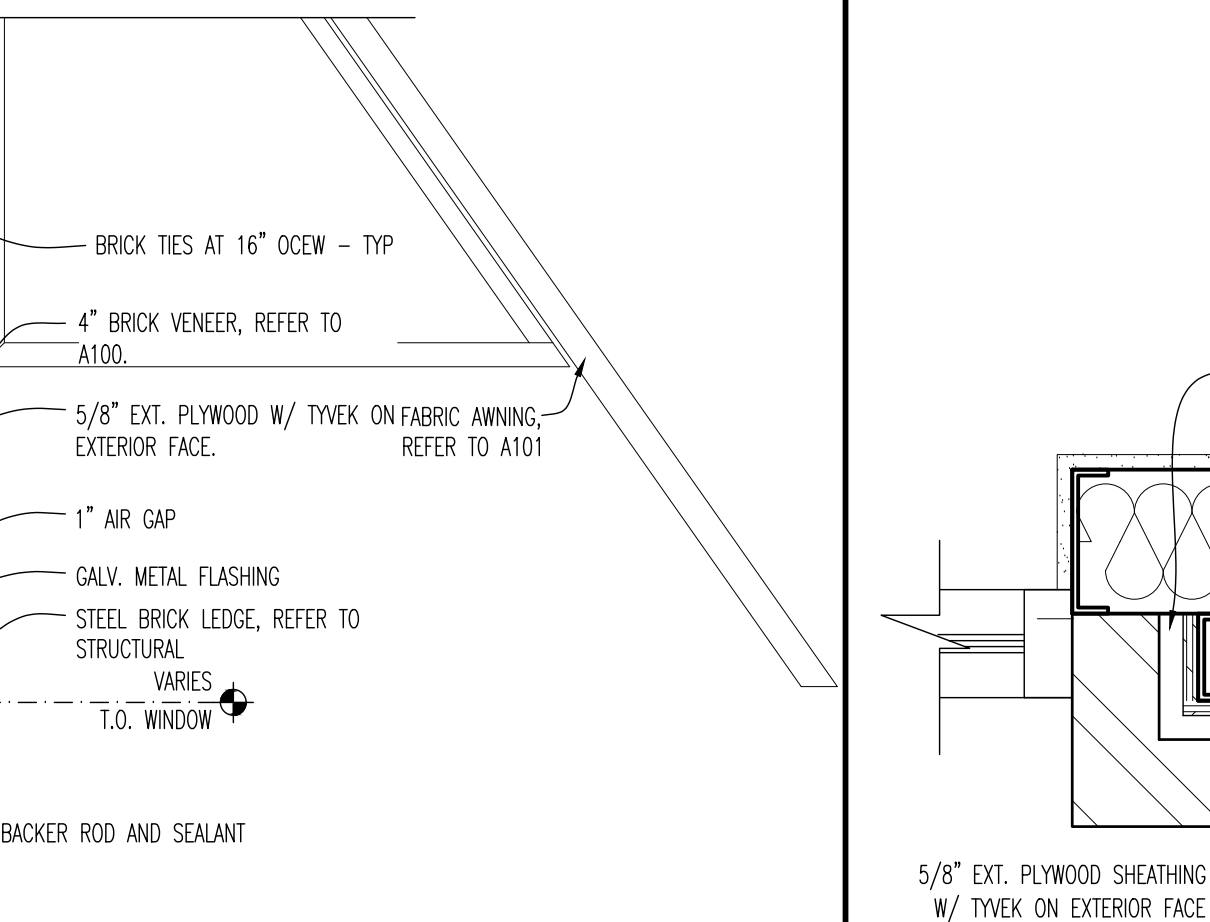
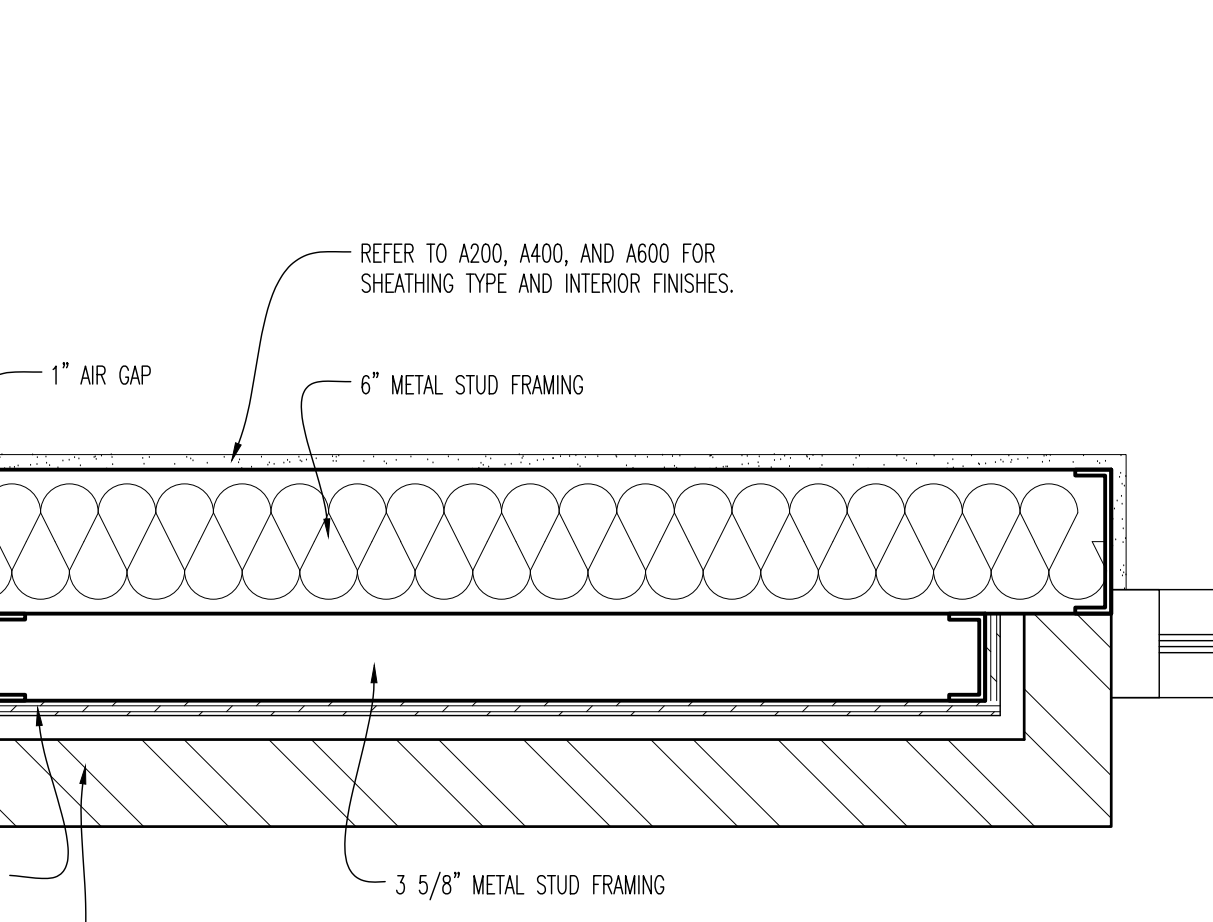
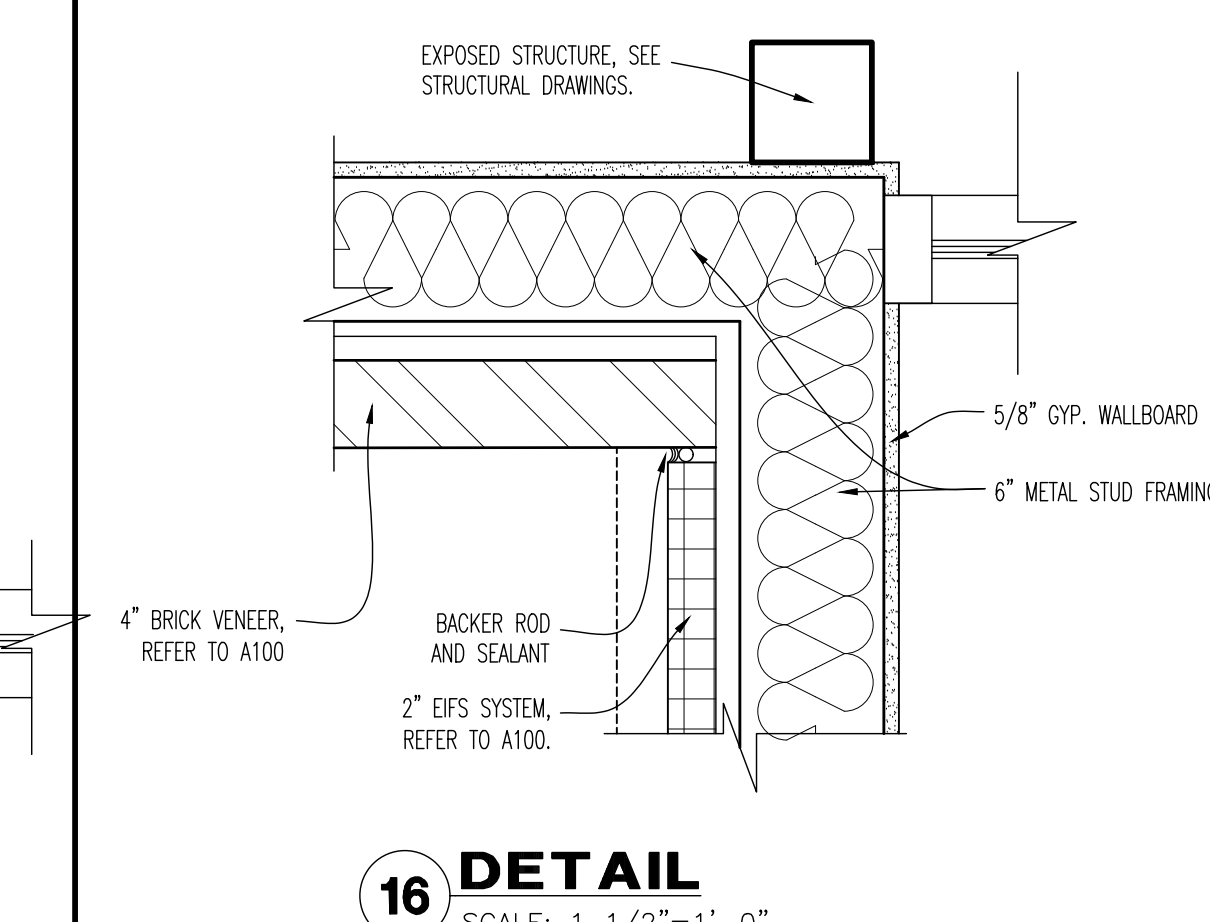
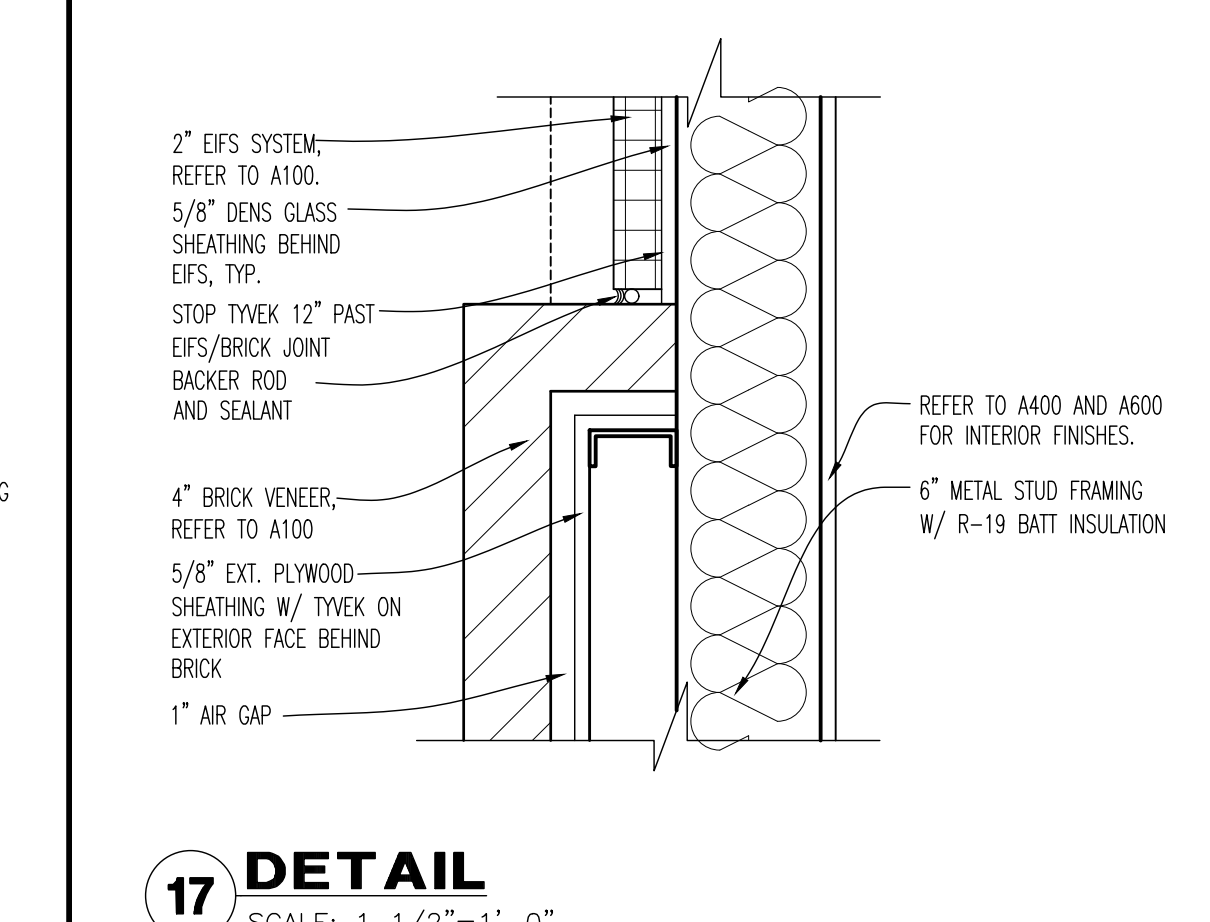
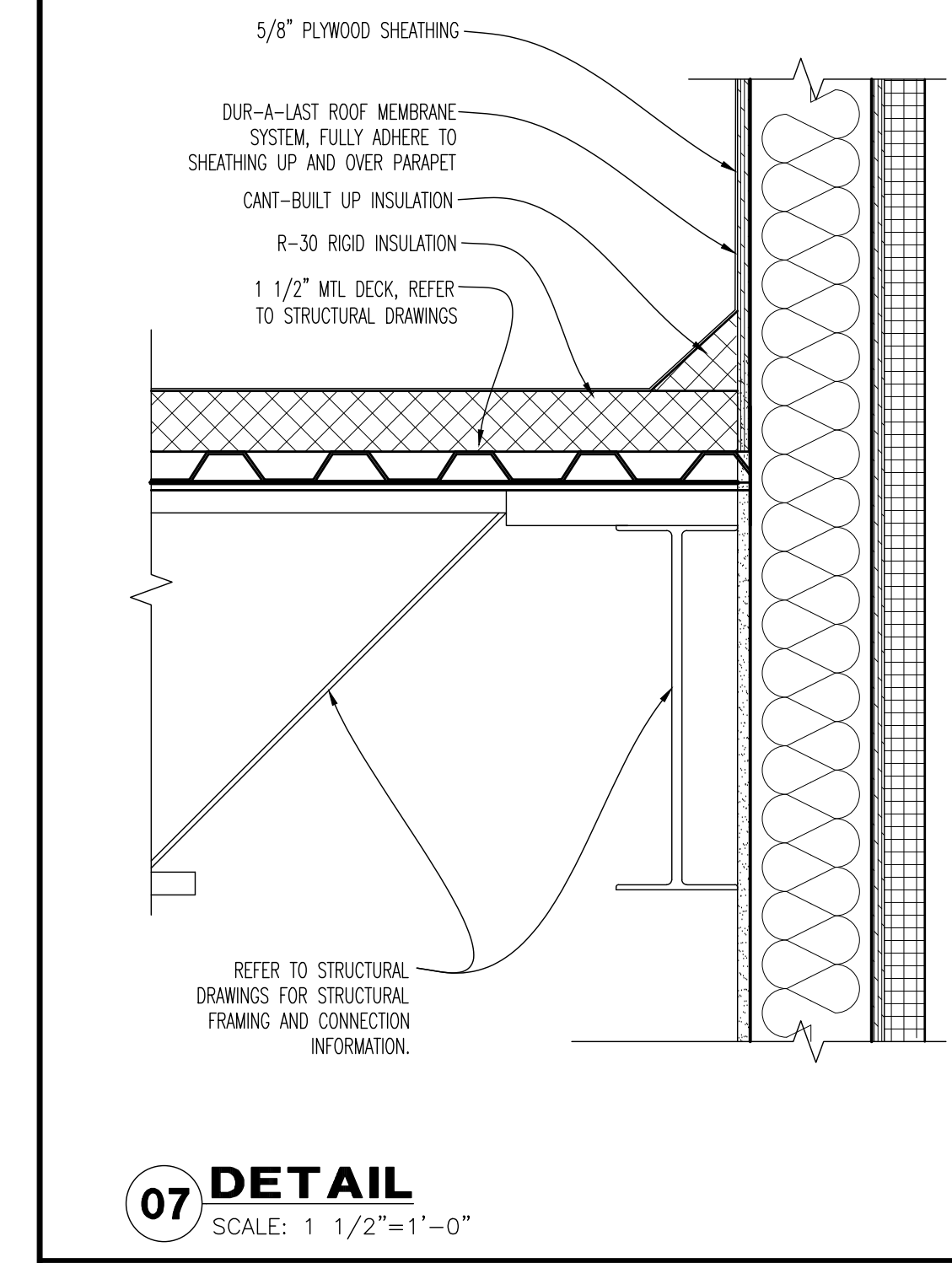
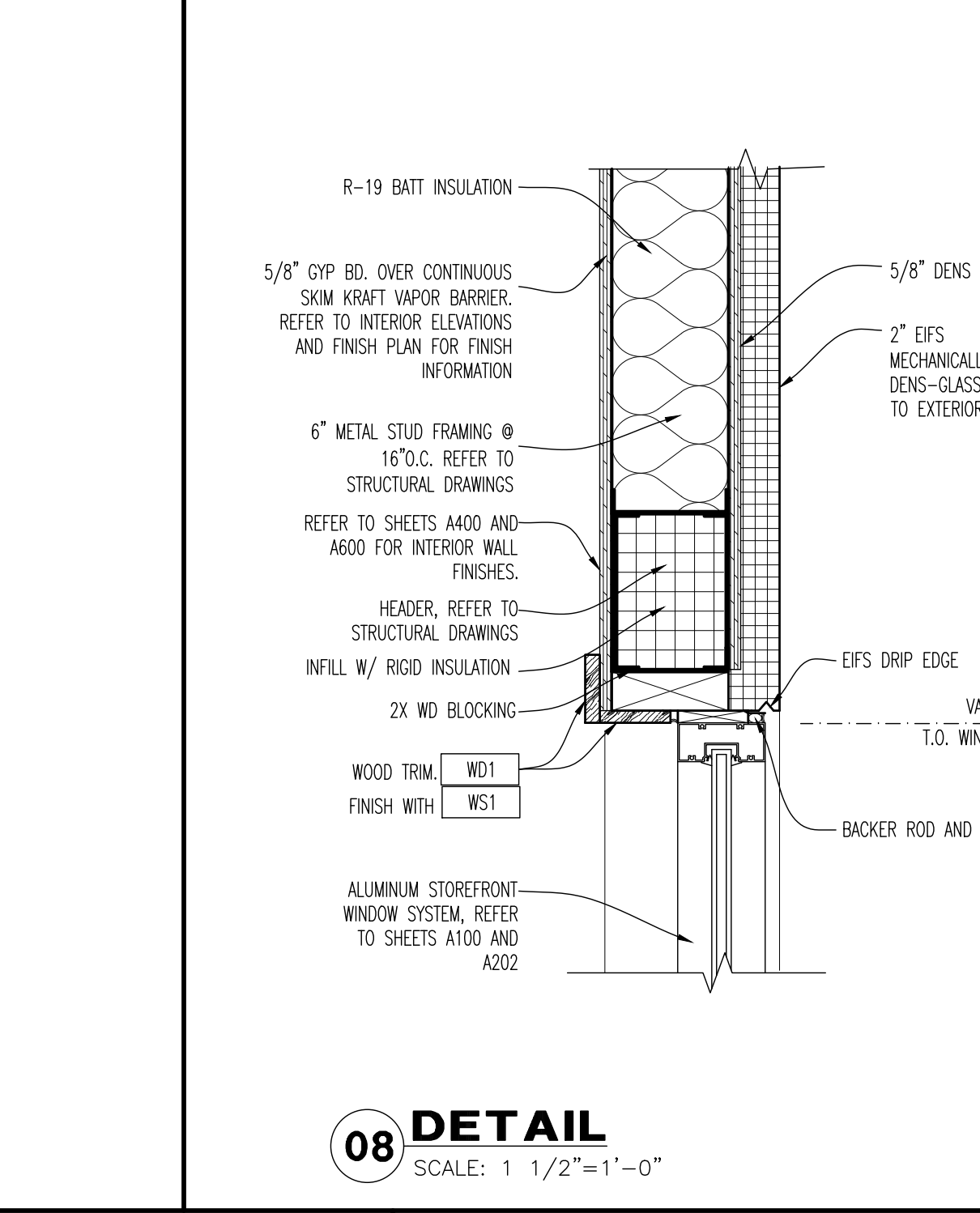
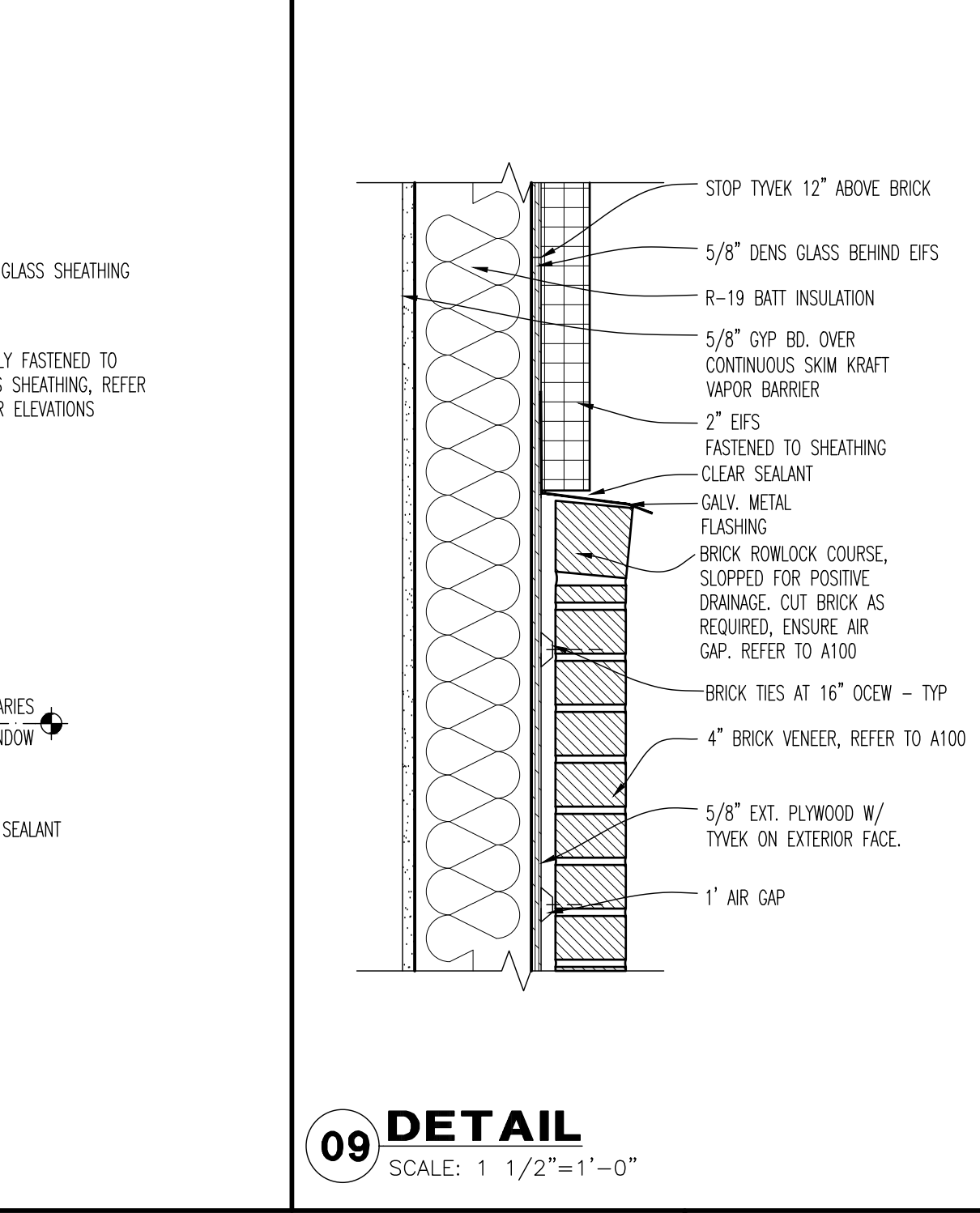
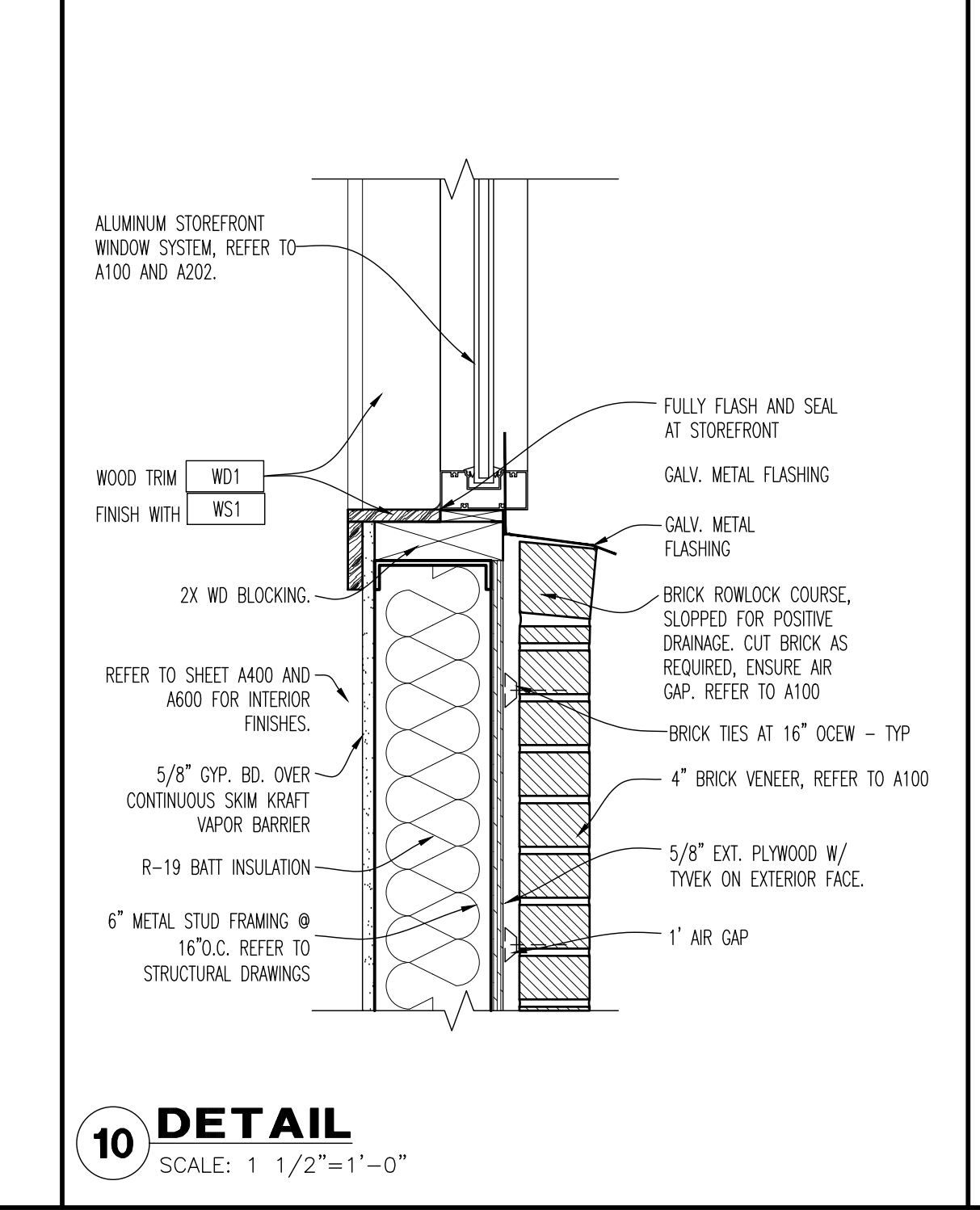
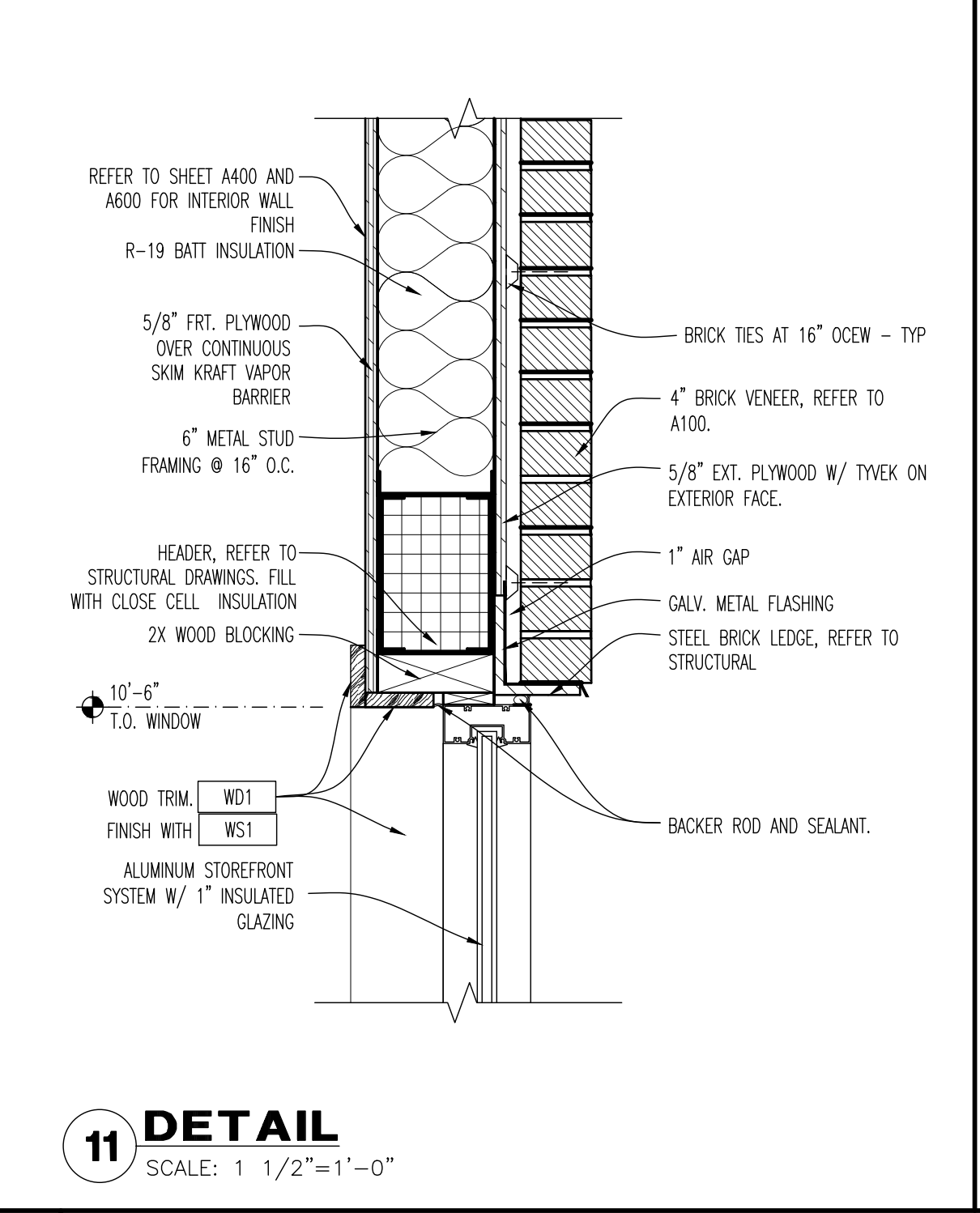
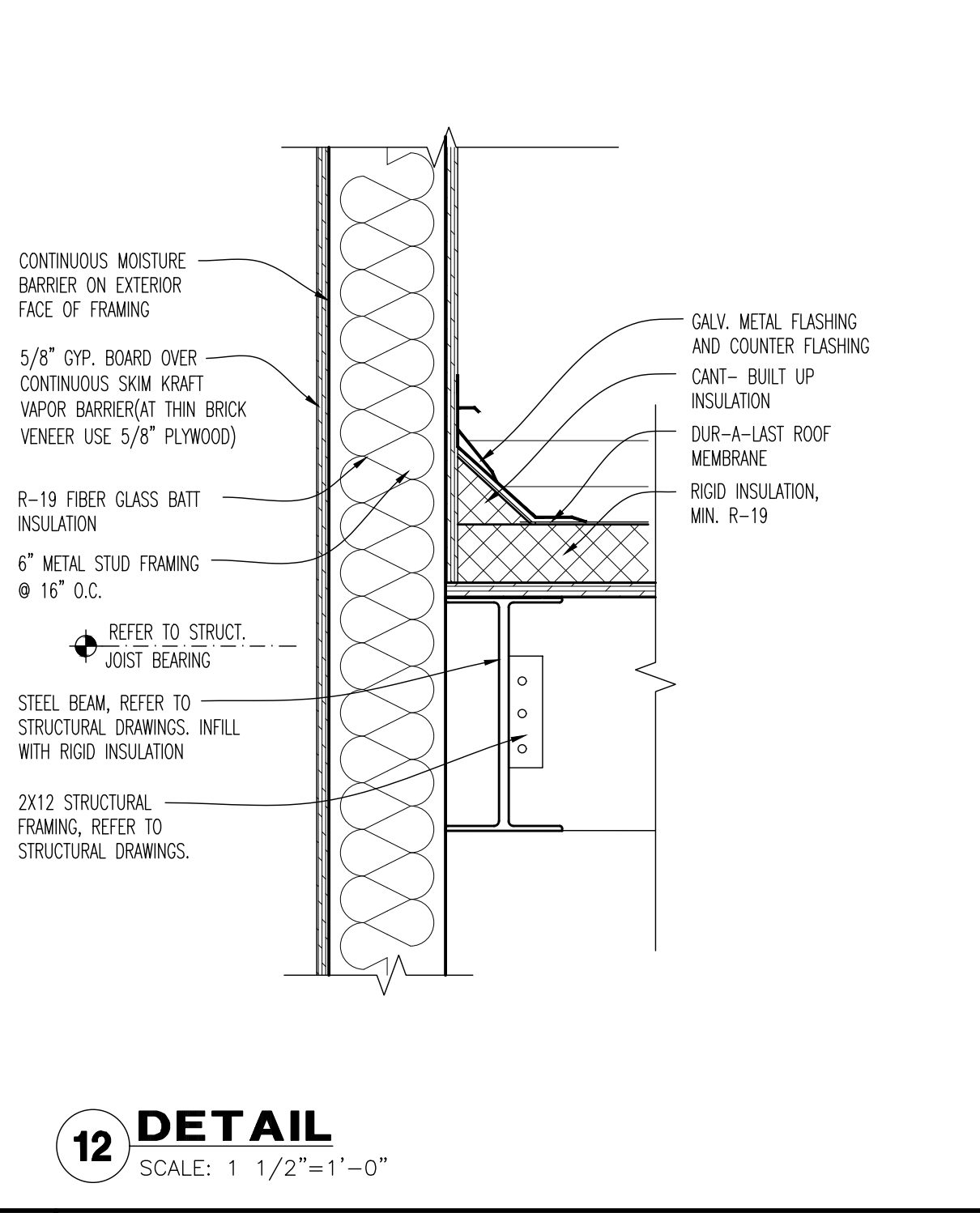
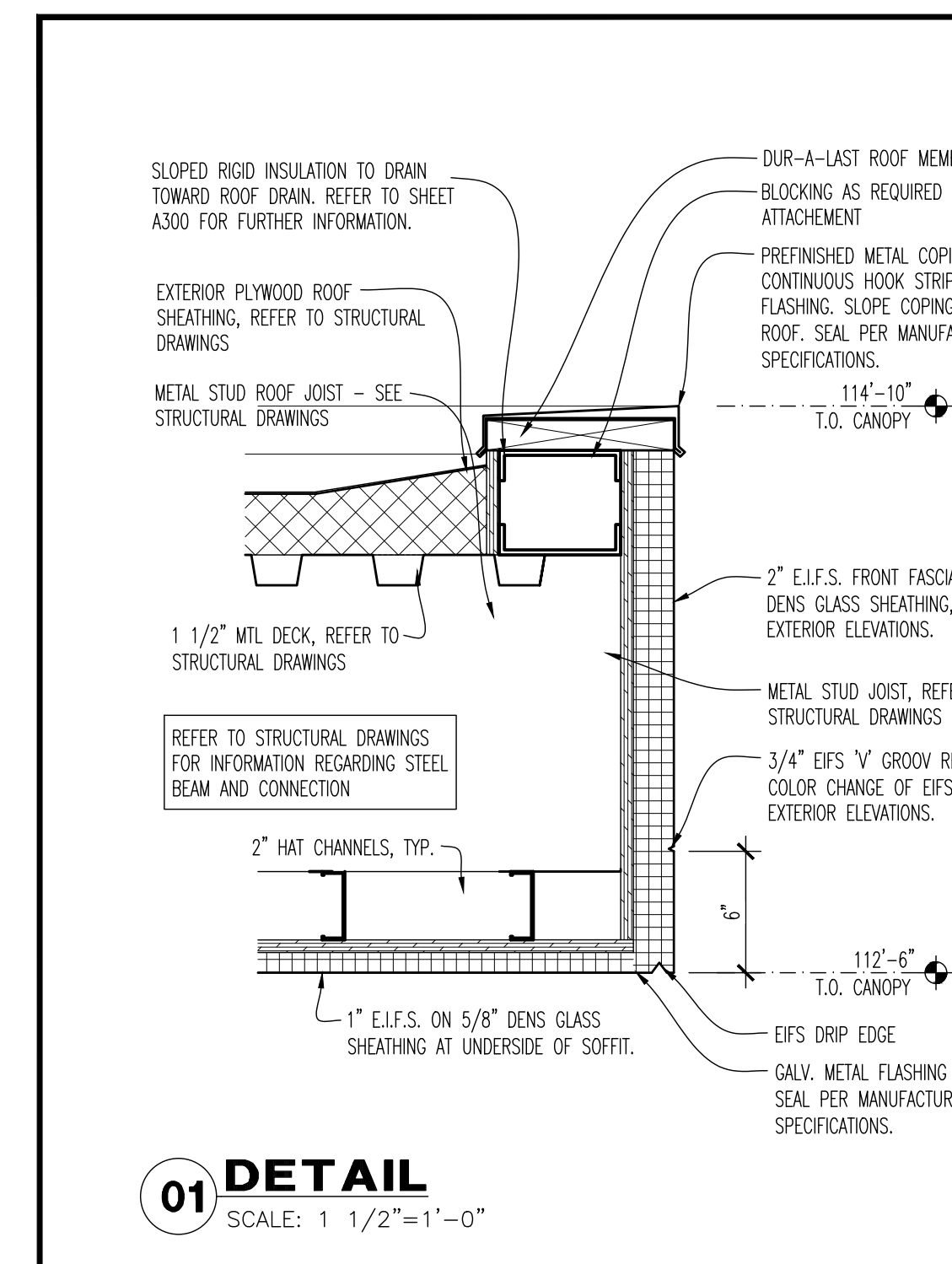
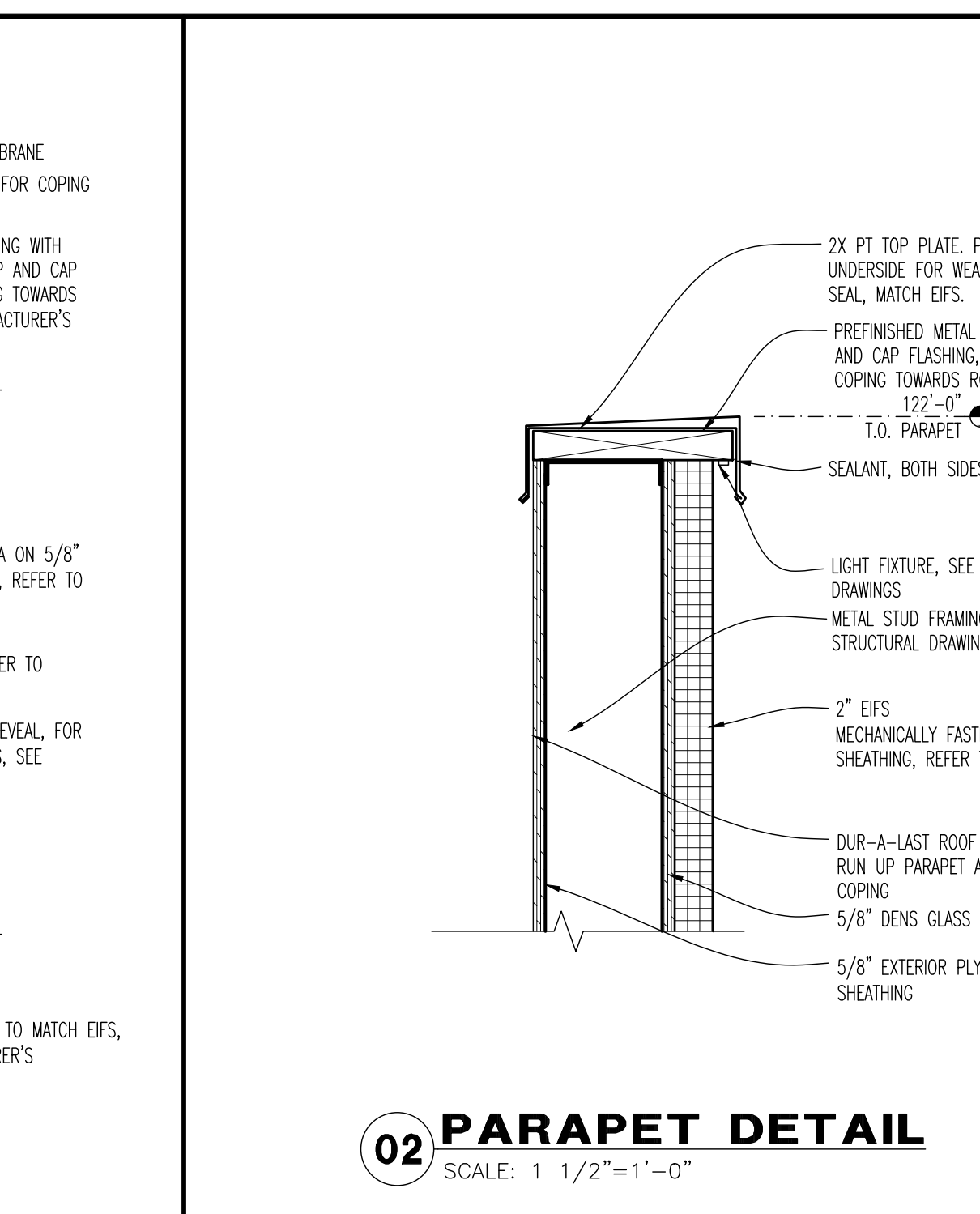
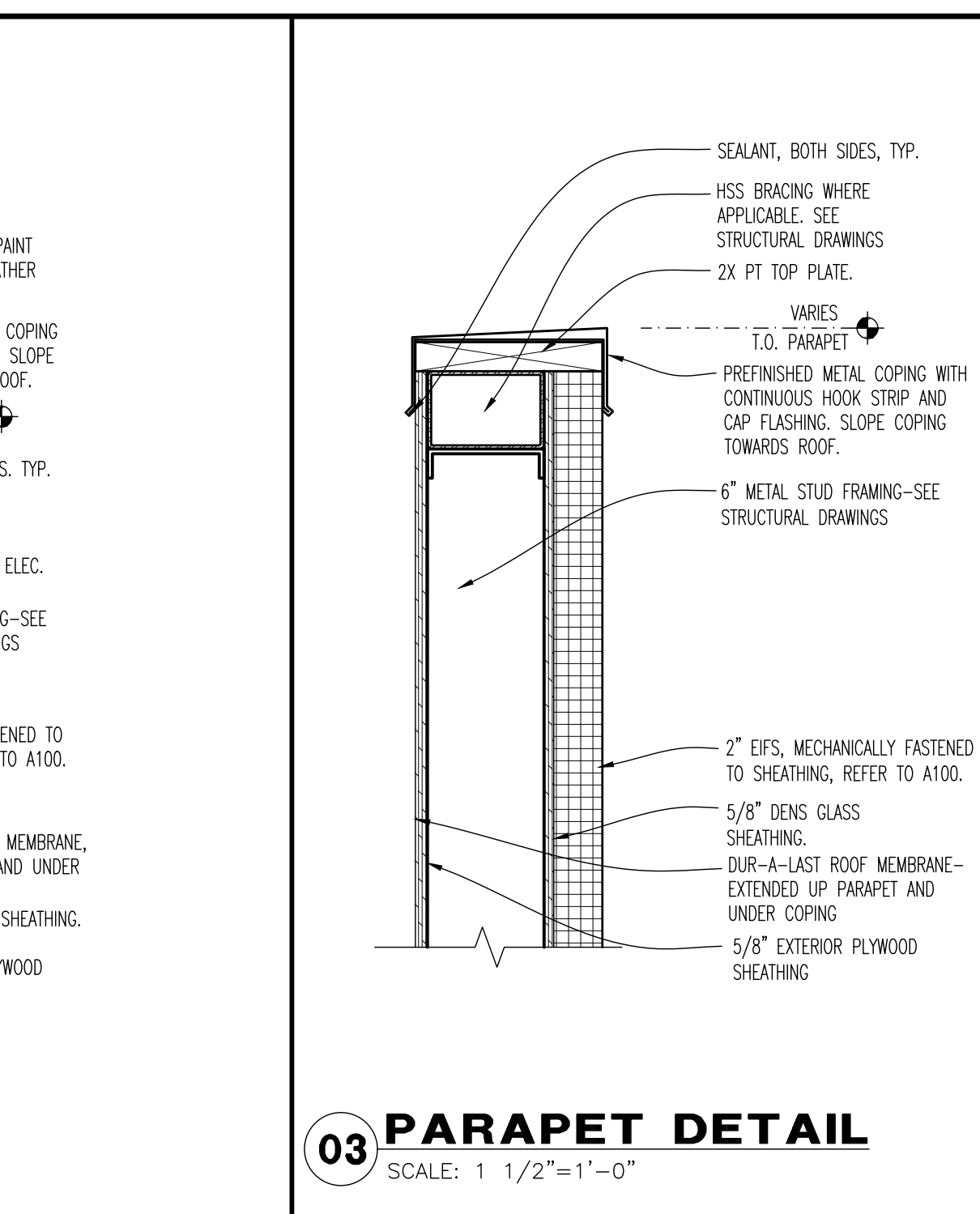
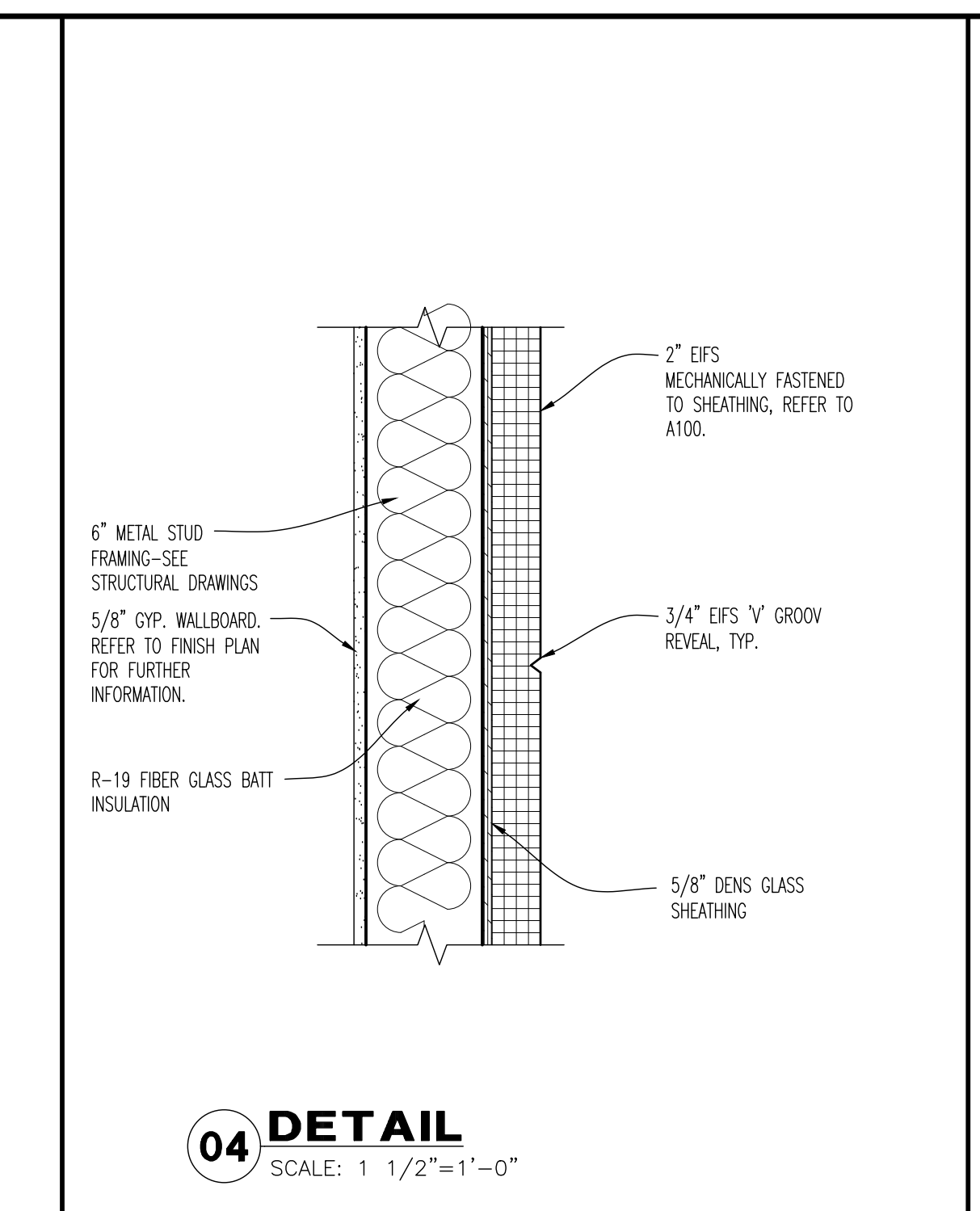
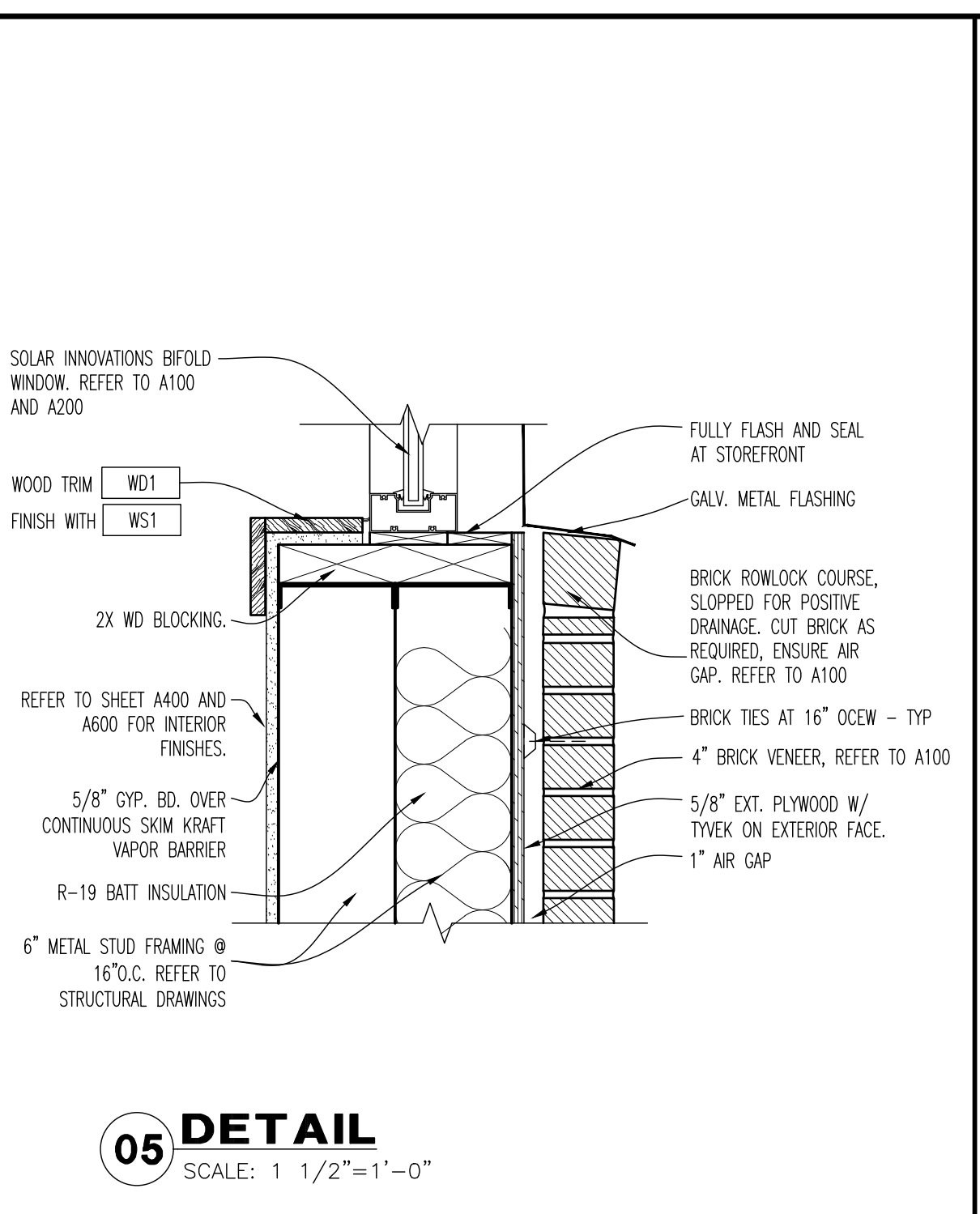
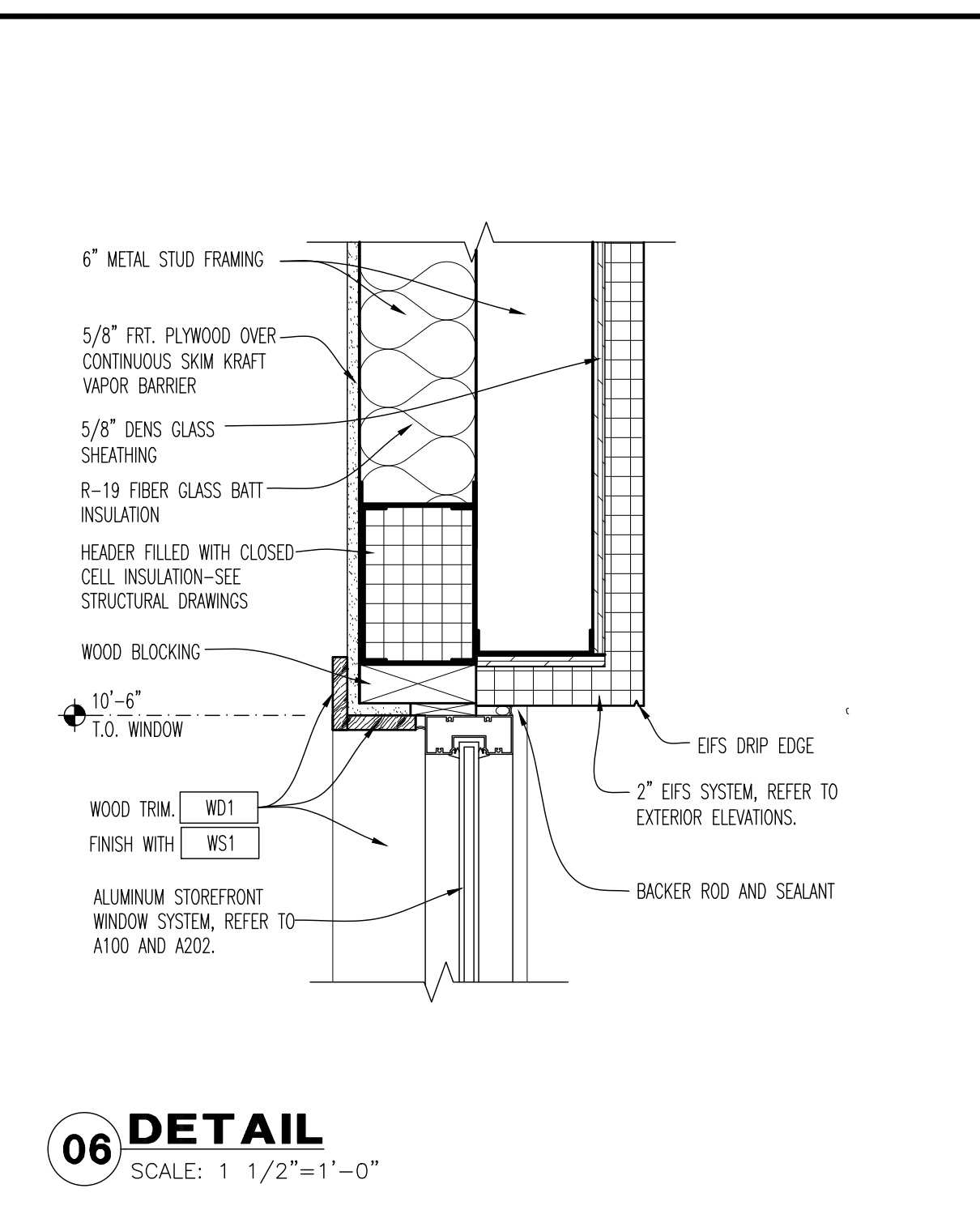
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12/12/2020

EXTERIOR CONSTRUCTION DETAILS  
 SCALE: AS NOTED  
 Drawn By: CJB Checked JLD

PROJECT NUMBER  
 20-0501

SHEET NUMBER  
**A106**



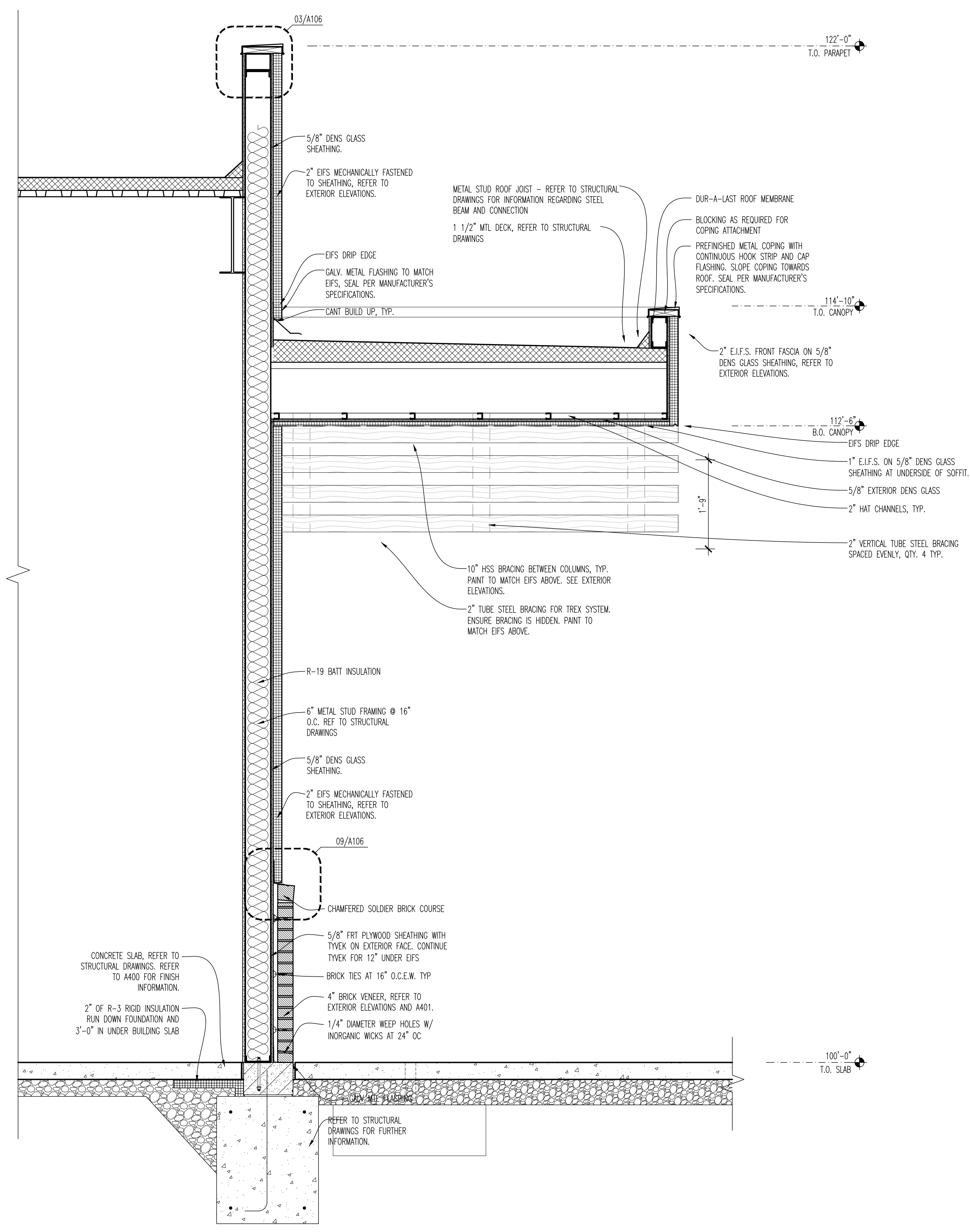
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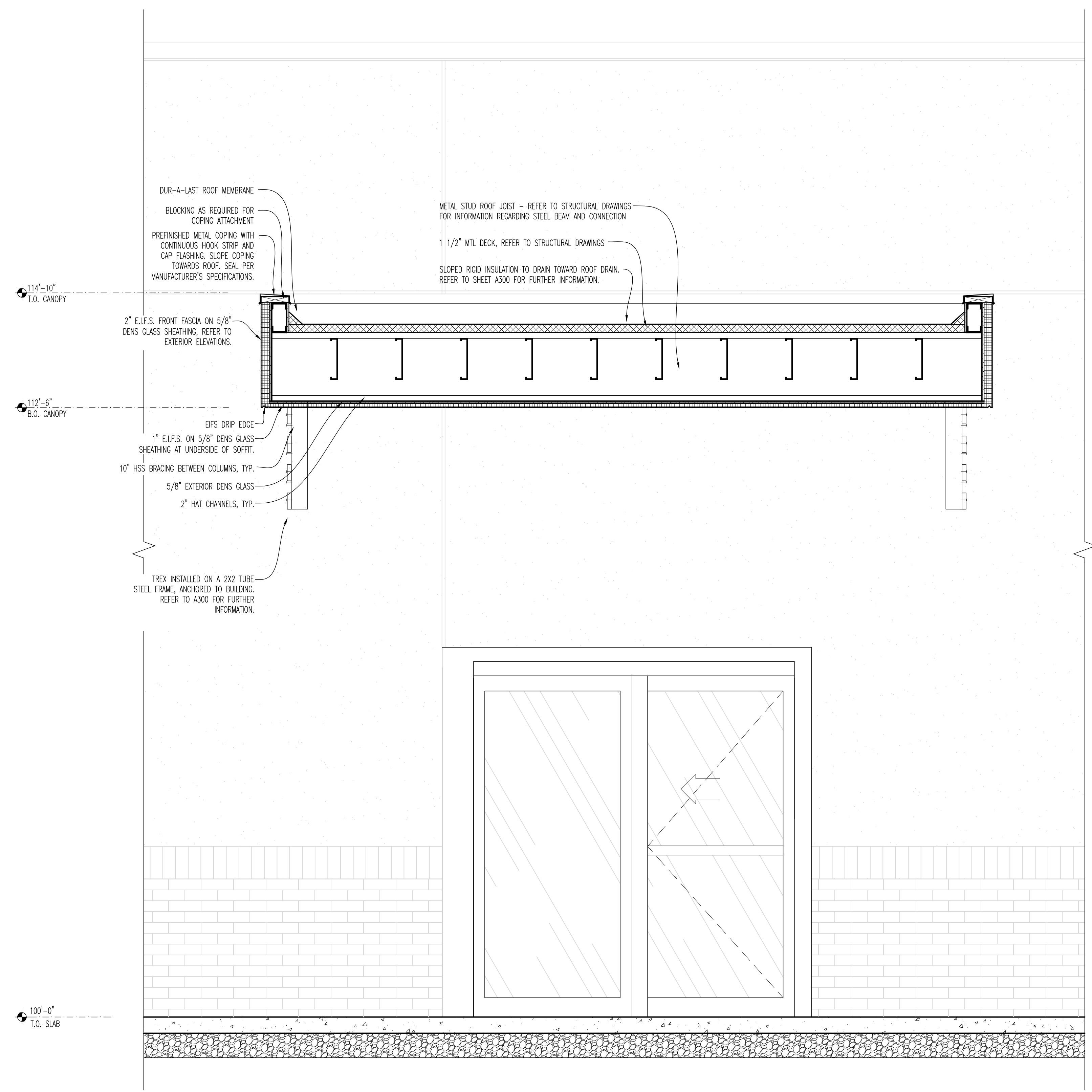
DRAWING ISSUE	DATE	11/25/20
	DESCRIPTION	BID AND PERMIT
NO.		

STAMP	12.12.2020
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EXTERIOR DETAILS + SECTIONS	SCALE: NONE	Checked LUD
PROJECT NUMBER	20-0501	
SHEET NUMBER	A107	



**01 SECTION AT CANOPY OVER HANG**  
 SCALE: 3/4"=1'-0"



**02 SECTION AT CANOPY OVER HANG**  
 SCALE: 3/4"=1'-0"

**ACCESSIBILITY NOTES**  
 ENTRY AND PATIO DOORS TO BE FULLY ACCESSIBLE - CLEAR AREA REQUIRED AT DOOR TO BE LEVEL OR 2% SLOPE MAXIMUM DOOR PULLS MOUNTED AT 48" AFF

**GENERAL NOTES**

- ALL LOW WALL HEIGHTS ARE MEASURED FROM 100'-0" UNLESS NOTED OTHERWISE.
- COORDINATE ALL LOW WALL HEIGHTS WITH INTERIOR ELEVATIONS ON SHEET A600 & A601 AND FINISH TYPES ON A201 TO ENSURE PROPER FRAMING HEIGHTS.
- ALL INTERIOR WALLS AT THE PERIMETER OF THE KITCHEN AND RESTROOMS ARE TO BE SEALED AT THE ROOF/STRUCTURE ABOVE. G.C. TO ADD SOUND BATT INSULATION AT ALL RESTROOMS AND KITCHEN WALLS AS INDICATED ON PLAN AND WALL TYPES.
- PROVIDED CLOSURE STRIPS AT ALL JOINTS AND FIRESTOPPING AT GAPS BETWEEN TOP OF COOLER/FREEZER AND WALLS. CONTRACTOR TO VERIFY EXACT LOCATION WITH COOLER/FREEZER MANUFACTURER AND PROVIDE ALL FINAL CONNECTIONS.
- G.C. TO PROVIDE FIREBLOCKING AT INTERCONNECTIONS BETWEEN CONCEALED STUD WALL OR PARTITION SPACES AND BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS DROPPED CEILING.
- ALL DIMENSIONS ARE SHOWN STUD TO STUD, UNLESS NOTED OTHERWISE.
- G.C. TO USE PRESSURE TREATED WOOD AT ALL LOCATIONS WHERE WOOD IS IN CONTACT WITH CONCRETE OR MASONRY.
- 5/8" CDX PLYWOOD UP TO 3'-6" A.F.F. BEHIND ALL WAINSCOT. REFER TO DETAIL 03/A201.
- G.C. TO COORDINATE ALL CLEAR DIMENSIONS IN AREAS OF WALK-IN COOLERS/FREEZERS WITH KITCHEN EQUIPMENT SUPPLIER AND INSTALLERS.
- REFER TO SHEET A403 FOR FINISH SCHEDULES AND A400 FOR THE FINISH PLAN.
- THE OPENING FORCE FOR INTERIOR SIDE-SWINGING DOORS WITHOUT CLOSERS SHALL NOT EXCEED A SUB FORCE. FORCES SHALL BE APPLIED TO LATCH SIDE.
- CYP WALLBOARD IS TO CONTINUE TO ROOF DECK ON ALL EXTERIOR WALLS.
- ALL DOORS SHALL BE COORDINATED WITH SHEET A202.
- ALL INTERIOR WALLS ARE TO BE 3-5/8" CHANNEL TYPE, ROLL-FORMED, 20 GAUGE METAL STUDS, UNLESS INDICATED OTHERWISE ON THESE DOCUMENTS. CYP WALLBOARD SHALL BE 5/8", FIRE CODE TYPE "X", TAPERED EDGE, UNLESS OTHERWISE CALLED OUT ON THESE DOCUMENTS. INSTALL PER MANUFACTURER'S STANDARDS.
- G.C. TO PROVIDE AND INSTALL BLOCKING AND BACKING IN WALLS AND PARTITIONS FOR ALL CASEWORK, SHELVING, COUNTERTOPS, TOILET ACCESSORIES, AND OWNER SUPPLIED EQUIPMENT. COORDINATE WITH BUFFALO WINGS AND RINGS VENDORS AND SHOP DRAWINGS.
- ALL ANGLED WALLS ARE @ 45, 90, OR 135 DEGREES UNLESS NOTED OTHERWISE.
- REFER TO SHEET A201 AND SHEET A400 FOR WALL COVERING INFORMATION.
- COMPLY WITH "LATERAL BRACING SCHEDULE" ON THIS SHEET.
- ALL INTERIOR DOOR HARDWARE TO BE COMMERCIAL GRADE SATIN STAINLESS STEEL FINISH 630.
- ALL EXTERIOR DOOR HARDWARE TO BE COMMERCIAL GRADE DARK BRONZE FINISH 965.

**KEY NOTES**

- BULKHEAD OR SOFFIT ABOVE. REFER TO REFLECTED CEILING PLAN AND DETAILS.
- REFER TO REFLECTED CEILING PLAN AND E2100 FOR TELEVISION LOCATION.
- KITCHEN HOOD, STAINLESS WALL FINISH AND APRON TO BE PROVIDED BY BWR VENDOR AND INSTALLED BY SHELL BUILDING MECHANICAL CONTRACTOR.
- WALK IN BOXES PROVIDED BY EQUIPMENT VENDOR. G.C. IS RESPONSIBLE FOR ELECTRICAL, PLUMBING CONNECTIONS, AND REFRIGERATION WALLS SURROUNDING COOLERS SHALL HAVE MOLD RESISTANT CYP WALLBOARD ABUTTING COOLER WALL.
- G.C. TO INSTALL 6" TALL RAISED CONCRETE CURB FOR BAR DIE WALL. REFER TO ADD FOR DIMENSIONS OF CURB AND DETAIL 04/A802 FOR WALL CONSTRUCTION.
- LOCATION OF OCCUPANT LOAD SIGN, POST @ +8'-0" AFF.
- INSTALL BLOCKING AS REQUIRED FOR EACH FIRE EXTINGUISHER PRIOR TO CLOSING UP WALLS. COORDINATE FINAL LOCATIONS AND QUANTITY WITH FIRE MARSHAL.
- REFER TO ENLARGED BAR PLAN ON SHEET A701 AND A802 FOR ELEVATIONS AND DETAILS.
- G.C. TO PROVIDE AND INSTALL CLOSET SHELVES. REFER TO 10/A201 FOR DETAIL.
- ELECTRICAL PANELS TO BE PROVIDED AND INSTALLED BY G.C. REFER TO ELECTRICAL DRAWINGS FOR SPECIFIC INFORMATION. COORDINATE WITH ELECTRICAL CONTRACTOR.
- FOOT REST PROVIDED BY BWR MILLWORK VENDOR AND INSTALLED BY G.C.
- ALIGN FULL/PARTIAL HEIGHT WALL STUD W/ WALL, BULKHEAD, COLUMN OR CORNER AS INDICATED.
- G.C. TO PROVIDE AND INSTALL 5/8" CEMENTITIOUS BOARD FROM FLOOR TO DECK BEHIND HOOD AND EXHAUST DUCT (EXTENTS OF BOARD RUN 18" PAST HOOD IN EITHER DIRECTION). REFER TO MECHANICAL DRAWINGS AND INTERIOR ELEVATIONS FOR FURTHER INFORMATION.
- TOILET IN A2.A ACCESSIBLE STALLS MUST COMPLY WITH A.D.A. REQUIREMENTS. TOP OF SEAT MUST BE 17'-19" AFF.
- G.C. TO PROVIDE AND INSTALL 5/8" CEMENTITIOUS BOARD UP TO 12" AND 5/8" CDX PLYWOOD IN LEU OF CYP WALLBOARD BETWEEN 1'-0" AND 9'-0" A.F.F. IN ENTIRE BACK OF HOUSE. PLYWOOD TO SERVE AS BLOCKING. G.C. TO ENSURE PLYWOOD IS PRIMED PRIOR TO RECEIVING FRP FINISH. REFER TO DETAIL 05/A201 FOR FURTHER INFORMATION. ADDITIONAL BLOCKING REQUIRED FOR SHELVES OR WALL MOUNTED EQUIPMENT IS TO BE LOCATED WITHIN WALL CAVITY IN THESE AREAS. REFER TO A201 AND E2100 FOR FURTHER INFORMATION.
- G.C. TO PROVIDE BLOCKING WITHIN WALL CAVITY FOR WALL MOUNTED TV'S. REFER TO BLOCKING DETAILS ON SHEET A501 FOR TV'S, AND SHEET E2100 FOR LAYOUT.
- AT LEAST ONE NEW URINAL TO HAVE RIM AT MAXIMUM 17" A.F.F. WITH FLUSH CONTROLS NO HIGHER THAN 44" A.F.F.
- 2 1/2" METAL STUD FURRING AT 16" O.C. AT EXTERIOR WALL FOR FLUSH MOUNT 8I-FOLDING WINDOWS WITH SCREEN SYSTEM. REFER TO WALL SECTION 01/A105.
- G.C. TO PROVIDE AND INSTALL 5/8" CEMENTITIOUS BOARD UP TO 1'-0" ON ALL WALLS. SEAL AT FLOOR PRIOR TO INSTALLING FINISHES.
- G.C. TO INSTALL BLOCKING FOR TOILET ACCESSORIES AND WALL PARTITIONS. COORDINATE WITH A700.
- G.C. TO MAINTAIN 12" MINIMUM PUSH CLEARANCE FROM DOOR TO COUNTERTOP.
- 2-1/2" x 2-1/2" POST TO BE INSTALLED WITHIN PARTIAL HEIGHT WALL IN EACH CORNER AND AT 48" O.C. REFER TO DETAIL 08/A201 FOR FURTHER INFORMATION.
- REFER TO GRAPHIC DETAILS FOR BLOCKING REQUIRED FOR GRAPHICS. G.C. IS RESPONSIBLE FOR INSTALLING ALL GRAPHICS.
- EXPOSED STRUCTURAL COLUMN. G.C. TO MAINTAIN STRUCTURAL INTEGRITY THROUGHOUT CONSTRUCTION. REFER TO A400 FOR FINISHES.
- DECORATIVE COLUMN TO BE INSTALLED FOR TV MOUNT. COORDINATE WITH AV VENDOR AND BWR FOR REQUIREMENTS. REFER TO DETAIL ON THIS SHEET AND A402.
- PARTIAL HEIGHT WALLS TO ALIGN AT INDICATED EDGES WITH ONE ANOTHER. WALLS ALIGN WITH BULKHEAD ABOVE.
- 6" METAL STUD FURRING @16" O.C. AT INDICATED WALL TO INCREASE COLUMNS.
- RECESSED SHELVES WITHIN COLUMN. REFER TO A701 FOR FURTHER INFORMATION.
- RECESSED TV TO BE INSTALLED AT PARTIAL HEIGHT WALL. REFER TO DETAIL ON A201.
- PERFORATED METAL PANEL TO BE INSTALLED AT PARTIAL WALL. REFER TO A201 FOR FURTHER INFORMATION.
- REFER TO A400 FOR LOCATIONS OF RECESSED FLOOR MAT. FINALIZE ALL LOCATIONS WITH OWNER.

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**BUFFALO WINGS AND RINGS**  
 720 BYPASS ROAD  
 CAMPBELLVILLE, KY 42718



**DRAWING ISSUE**

NO	DESCRIPTION	DATE
1	BID AND PERMIT	11/25/20

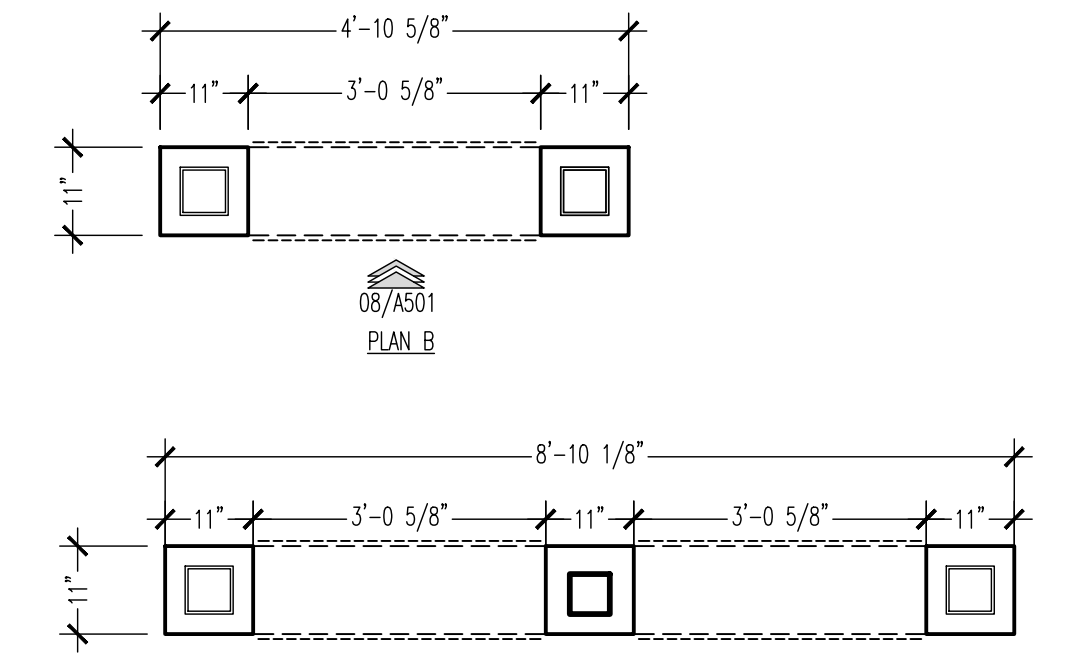
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**INTERIOR CONSTRUCTION PLAN**  
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 Drawn By: CUB Checked JLD

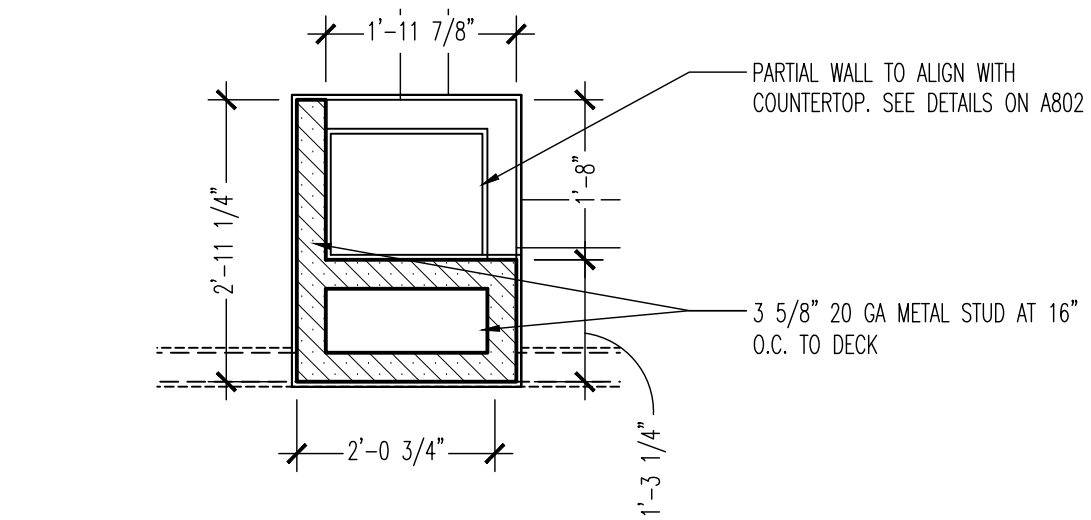
**PROJECT NUMBER**  
20-0501

**SHEET NUMBER**  
A200

FOR BID ONLY



**03 COLUMN BUILDOUT**  
SCALE: 1/2" = 1'-0"



**02 COLUMN BUILDOUT DETAIL**  
SCALE: 1/2" = 1'-0"

**PARTITION LATERAL BRACING SCHEDULE**

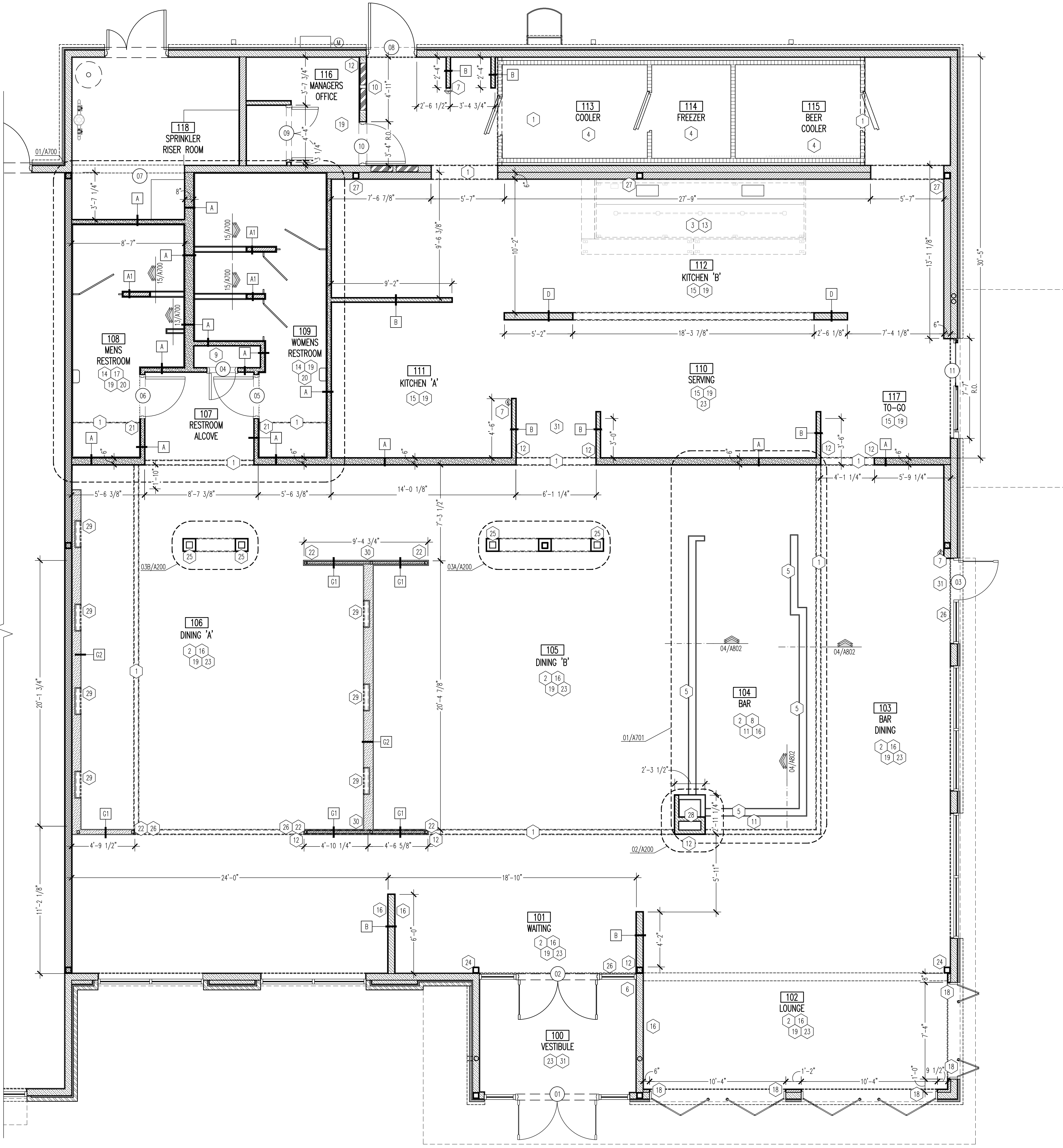
MINIMUM PARTITION LENGTH	MAXIMUM PARTITION LENGTH	NUMBER OF BRACES REQUIRED
0'-0"	12'-0"	0
12'-0"	18'-0"	1
18'-0"	24'-0"	2
24'-0"	30'-0"	3

ADD ONE BRACE PER EACH ADDITIONAL 6'-0" OF PARTITION LENGTH.  
 PARTITION LENGTH BETWEEN LATERAL SUPPORT PROVIDED BY LATERAL SUPPORT OR INTERSECTING PERPENDICULAR PARTITIONS.  
 PROVIDE LATERAL BRACING AT UNSUPPORTED PARTITION ENDS.  
 PROVIDE LATERAL BRACING FOR PARTITIONS WHICH DO NOT EXTEND TO STRUCTURE.

**WALL LEGEND**

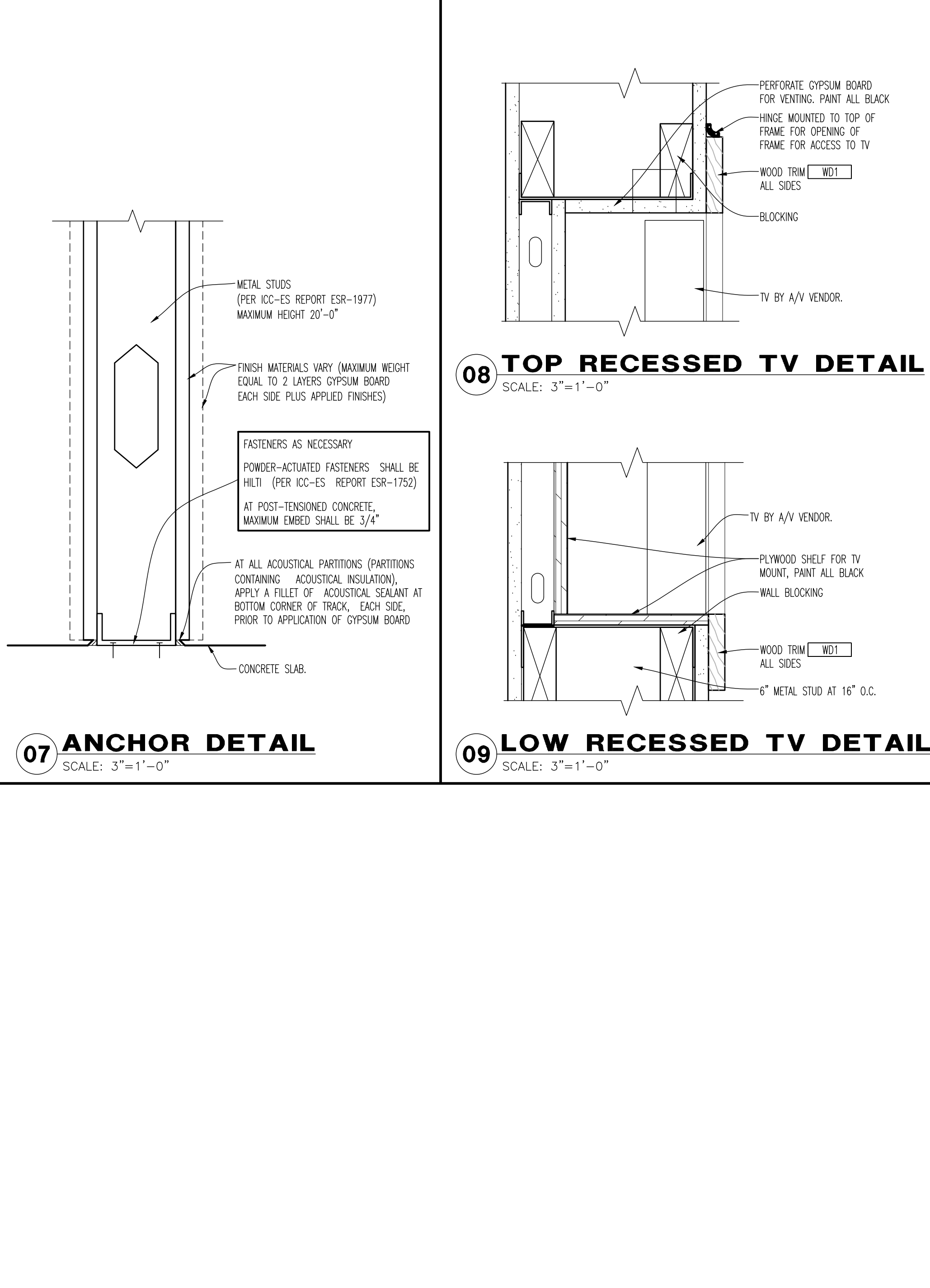
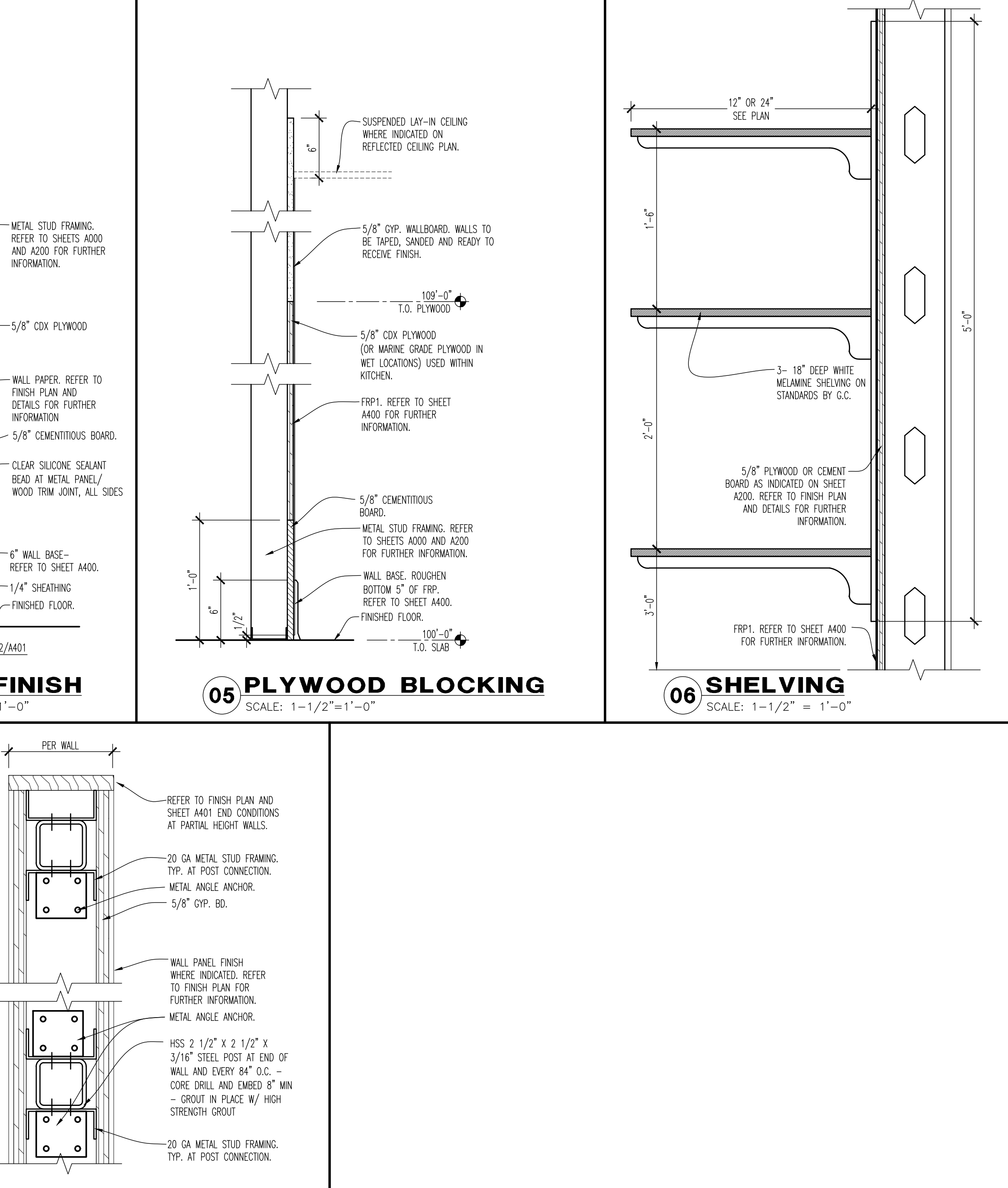
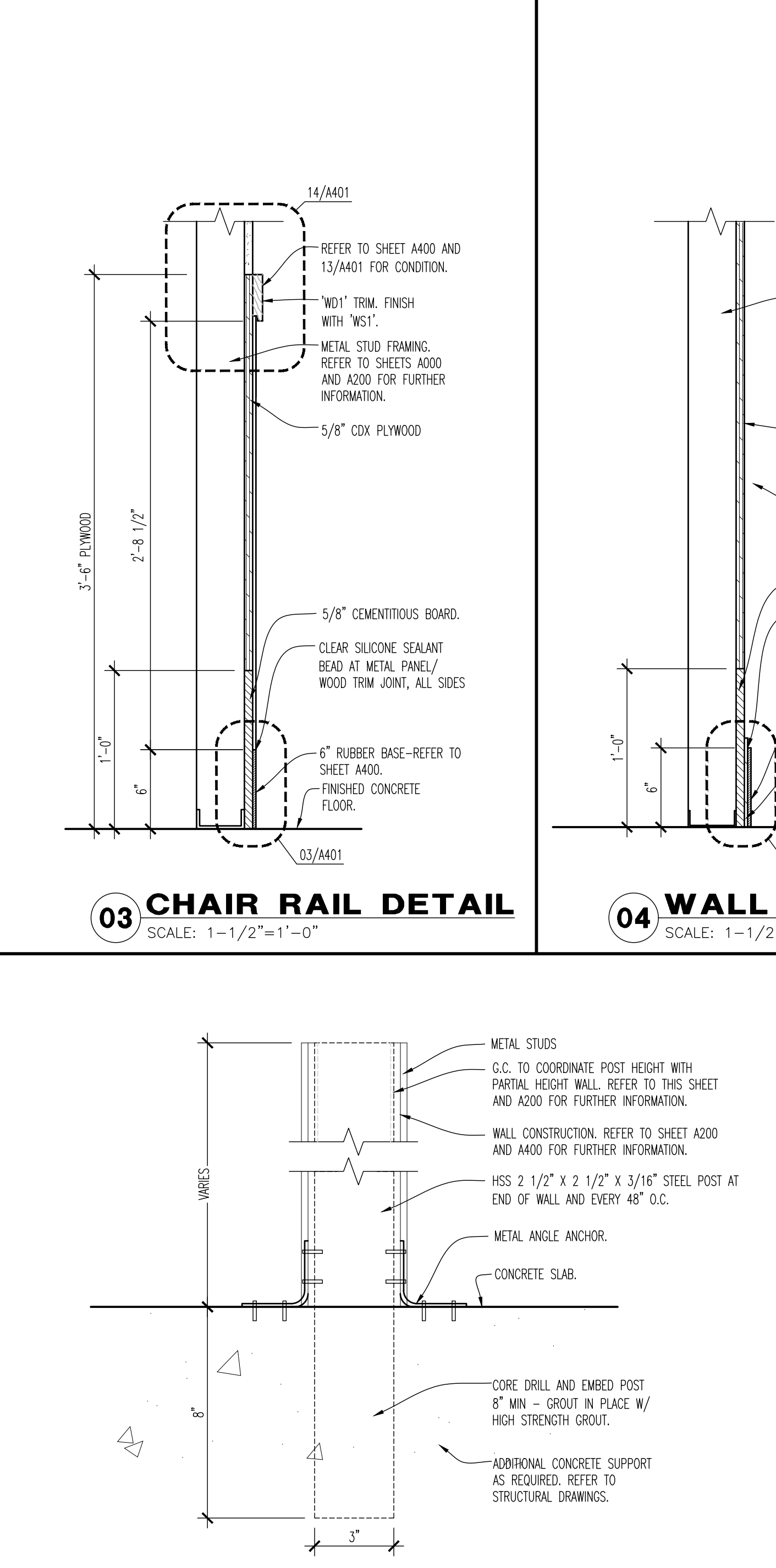
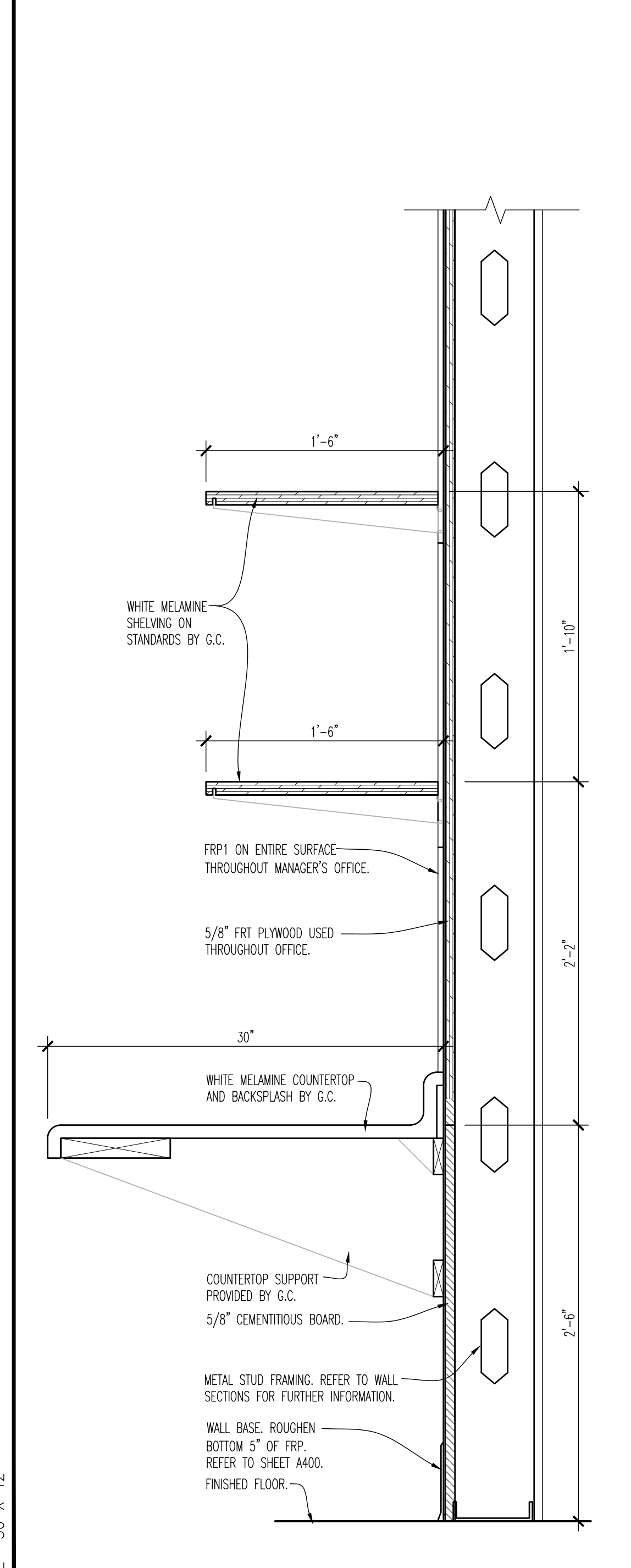
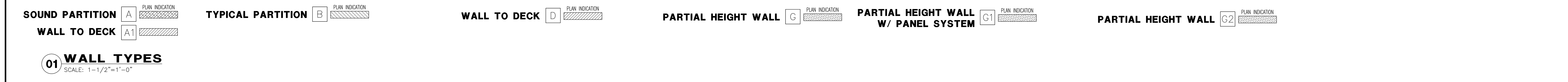
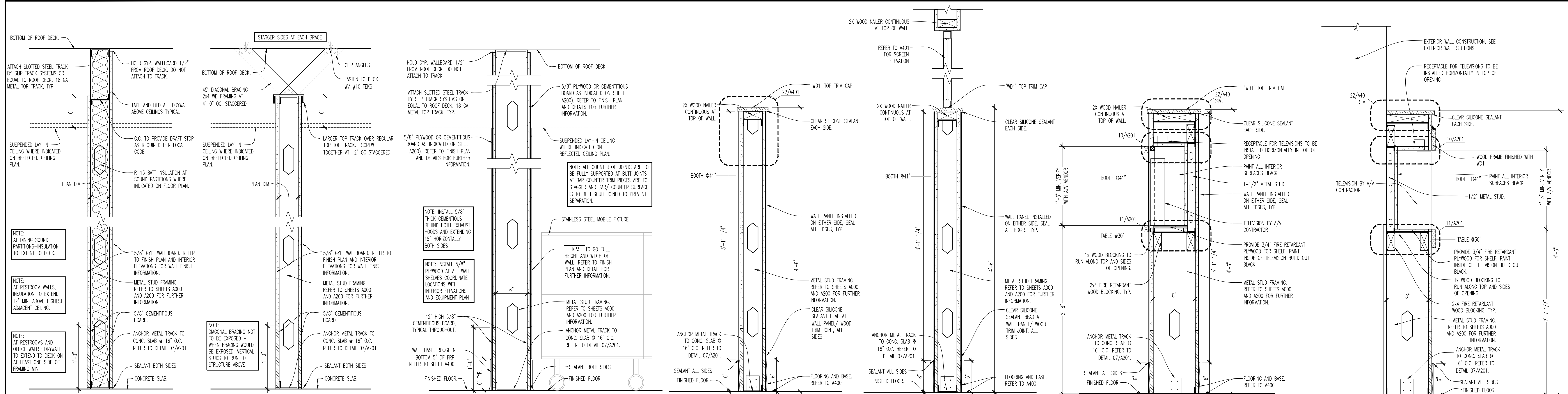
SOUND PARTITION- TYPE A REF WALL TYPES	48" LOW WALL- TYPE G1, G2 REF WALL TYPES
WALLS TO DECK- TYPE A1, D REF WALL TYPES	EXTERIOR METAL STUD WALL
PARTITION FRAMING TO 6" ABV CEILING- TYPE B	COOLER/ F-Wall-Cooler

NOTE: REFER TO WALL TYPES 01/A201 FOR WALL FRAMING TYPES. REFER TO SHEET A400 FOR WALL FINISH INFORMATION.



**01 INTERIOR CONSTRUCTION PLAN**  
SCALE: 1/4" = 1'-0"

ORIGINAL PRINT SIZE - 30 X 42



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**BUFFALO WINGS AND RINGS**  
720 BYPASS ROAD  
CAMPBELLVILLE, KY 42718



**DRAWING ISSUE**

NO.	DESCRIPTION	DATE
	BID AND PERMIT	11/25/20

**STAMP**

**INTERIOR CONSTRUCTION DETAILS**  
SCALE: AS NOTED  
Drawn By: CJB Checked JLD

**PROJECT NUMBER**  
20-0501

**SHEET NUMBER**  
A201

FOR BID ONLY





WINGS & RINGS

NO.	DESCRIPTION	DATE
	BID AND PERMIT	11/25/20

DRAWING ISSUE

STAMP

WINDOW AND DOOR SCHEDULES  
 SCALE: NONE  
 Drawn By: CJB Checked: LJD

PROJECT NUMBER  
 20-0501

SHEET NUMBER

**A202**

FOR BID ONLY

### DOOR TYPES

**TYPE 'A'** ALUM SF DOOR  
 KAWNEER TYPE 350 SERIES HEAVY WALL DOOR OR OWNER APPROVED EQUAL (2" THICK)

**TYPE 'B'** ALUM SF DOOR  
 KAWNEER TYPE 350 SERIES HEAVY WALL DOOR OR OWNER APPROVED EQUAL

**TYPE 'C'** SOLID CORE WD DOOR  
 SIGN WHERE NOTED  
 PUSH PLATE OR HANDLE WHERE SCHEDULED  
 KICKPLATE

**TYPE 'D'** HM INSUL DOOR  
 KICKPLATE

**TYPE 'E'** HM INSUL DOOR  
 KICKPLATE

**TYPE 'F'** HM DOOR  
 KICKPLATE

**TYPE 'G'** AUTO SLIDING DOOR  
 RECORD SERIES S100 SLIDING DOOR SYSTEM, TYPE S100-1 8'-0" L.H. SINGLE PANEL AS SPECIFIED BY MANUFACTURER TO BE BREAKAWAY, COLOR DARK BRONZE

NOTES:  
 1. ALL DOORS ARE TO BE 1 3/4" THICK UNLESS OTHERWISE NOTED.  
 2. ALL EXTERIOR HOLLOW METAL DOORS TO BE INSULATED.  
 3. FILL ALL VOIDS IN THRESHOLDS WITH SEALANT TO MATCH GROUT.  
 4. ALL GLAZING WITHIN 2'-0" OF DOORS OR 18" OF A WALKING SURFACE TO BE TEMPERED GLASS.  
 5. SEE DOOR SCHEDULE FOR GLAZING TYPE.  
 6. ALL GLAZING IN DOORS TO COMPLY WITH SECTION 2406.3 STOREFRONT SYSTEM TO BE REFINISHED DARK BRONZE.

### FRAME TYPES

**TYPE 'A'** 11'-0" x 7'-0"

**TYPE 'B'** 11'-0" x 5'-8"

**TYPE 'C'** 11'-0" x 5'-8"

**TYPE 'D'** 11'-0" x 5'-8"

**TYPE 'E'** 11'-0" x 5'-8"

**TYPE 'F'** 11'-0" x 5'-8"

**TYPE 'G'** 11'-0" x 5'-8"

TEMPERED SAFETY GLAZING

REMARKS:  
 1. NEW ALUMINUM STOREFRONT SYSTEM W/ 1" INSULATED LOW E GLASS.

NOTES:  
 1. FIELD VERIFY ALL OPENINGS PRIOR TO FABRICATION.  
 2. ALL METAL FRAMES TO BE GALVANIZED.  
 3. STOREFRONT SYSTEM TO BE REFINISHED DARK BRONZE.

### WINDOW TYPES

**TYPE 'A'** 11'-0" x 7'-0"

**TYPE 'B'** 11'-0" x 5'-8"

**TYPE 'C'** 11'-0" x 5'-8"

**TYPE 'D'** 11'-0" x 5'-8"

TEMPERED SAFETY GLAZING

REMARKS:  
 1. NEW ALUMINUM STOREFRONT SYSTEM W/ 1" INSULATED LOW E GLASS.  
 2. ALL STOREFRONT SYSTEMS TO BE PRE-FINISHED DARK BRONZE.  
 3. SEE GLAZING SCHEDULE FOR GLAZING TYPE.

### WINDOW SCHEDULE

NO.	SIZE (WIDTHxHEIGHT)	MATERIAL	GLAZING	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	MULLION DETAIL	FINISH	REMARKS
A	9'-6" x 7'-0"	ALUMINUM STOREFRONT	GL-2	H3	J4	S1	-	DARK BRONZE ANODIZED	---
B	8'-0" x 7'-0"	ALUMINUM STOREFRONT	GL-2	H3	J4	S1	M1	DARK BRONZE ANODIZED	---
C	10'-4" x 8'-0"	FOLDING WINDOWS	GL-2	H3	J4	S1	M1	DARK BRONZE ANODIZED	CHICAGO BFOLD E4500 OUTSWING FOLDING GLASS WALL W/ E VARIO SCREEN SYSTEM, SEE ALTERNATE BID
D	7'-4" x 8'-0"	FOLDING WINDOWS	GL-2	H3	J3,J4	-	M1	DARK BRONZE ANODIZED	CHICAGO BFOLD E4500 OUTSWING FOLDING GLASS WALL W/ E VARIO SCREEN SYSTEM, SEE ALTERNATE BID
E	11'-10" x 9'-6"	ALUMINUM STOREFRONT	GL-2	H3	J3,J4	-	M1	DARK BRONZE ANODIZED	REFER TO DIAGRAM FOR ADDITIONAL GLAZING
F	11'-0" 5/8" x 9'-6"	ALUMINUM STOREFRONT	GL-2	H3	J3,J4	-	M1	DARK BRONZE ANODIZED	REFER TO DIAGRAM FOR ADDITIONAL GLAZING

### GLAZING SCHEDULE

NO.	TYPE OF GLASS	DESCRIPTION
GL1	MONOLITHIC GLASS	CLEAR TEMPERED GLASS, 1/4"
GL2	INSULATED GLASS	CLEAR INSULATED UNIT, HEAT STRENGTHENED, 1/4"   1/2"   1/4", LOW E COATING OUTSIDE SURFACE.

\*PER IRC SECTION 2406.3, PROVIDE SAFETY GLAZING IN HAZARD AREAS.

### HARDWARE SCHEDULE

GROUP	ITEMS
GROUP 1 - EACH TO RECEIVE: (ENTRANCE, PATIO DOOR, SIDE DOOR, TO GO EXIT)	1 1/2 PR PHOT HINGES 1 EA CLOSER 1 EA PANIC DEVICE EACH LEAF VON DUPRE 35474 EXIT DEVICE W/ CONCEALED VERTICAL ROD, TOP AND BOTTOM STRIKES, CYLINDER LOCKING (DARK BRONZE FINISH TO MATCH DOOR) 1 EA NEW HALF SADDLE THRESHOLD 1 EA NEW FULL WEATHERSTRIP
GROUP 2 - EACH TO RECEIVE: (VESTIBULE)	1 1/2 PR PHOT HINGES 1 EA CLOSER 1 EA PUSH/PULL BAR (DARK BRONZE FINISH TO MATCH DOOR) 1 EA SILENCER PADS
GROUP 3 - EACH TO RECEIVE: (AV CLOSET)	1 1/2 PR BUTT HINGES 1 EA LOCKSET WITH BLANK PLATE ON SIDE 2 EA MANUAL FLUSH BOLT 1 EA SILENCER PADS
GROUP 4 - EACH TO RECEIVE: (SPRINKLER ROOM)	1 1/2 BUTT HINGES 1 EA LOCKSET 1 EA WEATHERSTRIPS 2 EA MANUAL FLUSHBOLT
GROUP 5 - EACH TO RECEIVE: (MEN/WOMEN)	1 1/2 PR BUTT HINGES 1 EA CLOSER 1 EA PUSH/PULL SET 1 EA SILENCER PADS 1 EA HANDBOX RESTROOM SIGN 1 EA KICK PLATE 1 EA FLOOR STOP
GROUP 6 - EACH TO RECEIVE: (OFFICE & CLOSET)	1 1/2 PR BUTT HINGES 1 EA LOCKSET 1 EA SILENCER PADS 1 EA KICK PLATE
GROUP 7 - EACH TO RECEIVE: (REAR DOOR)	1 EA ALARMED PANIC DEVICE 1 EA PEEP HOLE 1 1/2 PR BUTT HINGES 1 EA CLASSROOM FUNCTION LOCKSET 1 EA CLOSER 1 EA SILENCER PADS 1 EA HALF SADDLE THRESHOLD 1 EA PULL LATCH GUARD 1 EA WEATHERSTRIPS 1 EA KICK PLATE
GROUP 8 - EACH TO RECEIVE: (PATIO)	1 EA ALARMED PANIC DEVICE 1 EA MORTISE CYLINDER 2 EA STEEL WELD-ON BARREL HINGES - REF 05/A002
GROUP 9 - EACH TO RECEIVE: (RESTROOM CLOSET, LIQUOR CLOSET)	1 1/2 PR BUTT HINGES 1 EA LOCKSET WITH BLANK PLATE ON INSIDE 1 EA SILENCER PADS

REMARKS:  
 1. All wood doors are to have 1" undercut.  
 2. All wood doors MUST be sealed on all four edges of door to seal out moisture.  
 3. 8-each coat hooks needed at bar stool area (one located every 4').  
 4. Verify door hardware provided by storefront contractor. Provide additional hardware required for each door.  
 5. General contractor is responsible for changing out door cylinders to accept "Insta-key" cores. (storefront doors and detex hardware.)  
 6. Provide door signage/labels.  
 7. Mount door closer out of public view. Throw-bolt hardware.  
 8. Hand activated latching and locking doors that are in a path of travel shall be operable with a single effort by lever type hardware, panic bars, push-pull activating bars or other hardware designed to provide passage without requiring the ability to grasp the opening hardware. Locked exit doors shall operate as above in egress direction.  
 9. Maximum effort to operate doors shall not exceed 8 1/2 pounds for exterior doors and 5 pounds for interior doors. Such pull or push effort being applied at right angles to hinged doors and at the center plane of sliding or folding doors. Compensating devices or automatic door operators may be utilized to meet the above standard when fire doors are required. The maximum effort to operate the door may be increased to the maximum allowable by the appropriate administrative authority, not to exceed 15 pounds.  
 10. Restroom partition doors to receive coat hooks and bumpers.

### ALTERNATE BID WINDOW TYPES

**TYPE 'C'** 11'-0" x 5'-8"

**TYPE 'D'** 11'-0" x 5'-8"

REMARKS:  
 1. NEW ALUMINUM STOREFRONT SYSTEM W/ 1" INSULATED LOW E GLASS.  
 2. ALL STOREFRONT SYSTEMS TO BE PRE-FINISHED DARK BRONZE.  
 3. SEE GLAZING SCHEDULE FOR GLAZING TYPE.

### GENERAL DOOR NOTES

- ALL INTERIOR DOOR HARDWARE TO BE COMMERCIAL GRADE SATIN STAINLESS STEEL FINISH 630.
- ALL EXTERIOR DOOR HARDWARE TO BE COMMERCIAL GRADE DARK BRONZE FINISH 965.
- ALL LOCK SETS TO BE COMMERCIAL GRADE 1 FINISH BY SCHLAGE, D-SERIES/RHODES OR APPROVED EQUAL.
- ALL DOORS AND FRAMES TO BE PAINTED SEMI-GLOSS P-3 UNLESS OTHERWISE SPECIFIED.
- DOORS WITH CLOSERS SHALL COMPLY WITH THE FOLLOWING:
  - 5LBF MAXIMUM FORCE FOR OPENING DOOR.
  - FROM AN OPEN POSITION OF 70°, DOOR SHALL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
- NO THUMB TURNS TO BE USED ON THE EMERGENCY EGRESS DOOR HARDWARE SETS.
- EXIT DOORS TO HAVE PANIC HARDWARE.
- ALL DOORS TO HAVE LEVER OR PUSH/PULL HARDWARE IN COMPLIANCE WITH LOCAL CODES AND ADA.

### DOOR SCHEDULE

NO	ROOM	DOOR SIZE	TYPE	FRAME			DETAILS (REF. A203)			HDW GROUP	REMARKS	
				MATL	FINISH	TYPE	MATL	FINISH	HEAD			JAMB
01	ENTRY	(2) 3'-0" x 7'-0"	A	AL	D. BRONZE	G	AL	D. BRONZE	H1	J1	---	1 A
02	ENTRY VESTIBULE	(2) 3'-0" x 7'-0"	A	AL	D. BRONZE	E	AL	D. BRONZE	H1	J3	---	2 ---
03	SIDE DOOR	3'-0" x 7'-0"	B	AL	D. BRONZE	H	AL	D. BRONZE	H1	J1	---	1 A
04	R.R. ALLOW CLOSET	2'-0" x 7'-0"	C	WD	WS2	A	HM	P3	H2	J2	---	9 C
05	WOMEN'S RESTROOM	3'-0" x 7'-0"	C	WD	WS2	A	HM	P3	H2	J2	---	5 C
06	MEN'S RESTROOM	3'-0" x 7'-0"	C	WD	WS2	A	HM	P3	H2	J2	---	5 C
07	SPRINKLER ROOM DOOR	(1) 3'-0" x 7'-0" (1) 6' x 7'-0"	E	HM	EP-3	E	HM	EP-3	H2	J2	---	4 B
08	REAR DOOR	3'-6" x 7'-0"	D	HM	EP-3	C	HM	EP-3	H2	J2	---	7 AB
09	A/V ROOM	(2) 2'-0" x 7'-0"	F	HM	P6	D	HM	P6	H2	J2	---	3 E.B
10	OFFICE	3'-0" x 7'-0"	D	HM	P6	A	HM	P6	H2	J2	---	6 E.B
11	TO-GO EXIT	3'-0" x 7'-0"	B	AL	D. BRONZE	A	AL	D. BRONZE	H1	J1	---	3 AB

REMARKS:  
 A. PROVIDE EXTERIOR THRESHOLD  
 B. SEMI GLOSS FINISH  
 C. UNDERCUT DOORS 1"; STAIN WS-2  
 D. SEE FENCE DETAIL Q2 Q3/Q4/Q5  
 E. METAL DOORS TO HAVE 1" UNDERCUT.

### WINDOW & DOOR DETAILS

**H1** CONTINUOUS SEALANT (TYP.)  
 DOOR JAMB ANCHOR (3 PER JAMB, MIN.)  
 STOP ALL 4 SIDES.

**J1** DOUBLE MTL. STUDS  
 CONTINUOUS SEALANT (TYP.)  
 DOOR JAMB ANCHOR (3 PER JAMB, MIN.)  
 UNFINISHED FRAME  
 STOP ALL 4 SIDES.

**J4** CONTINUOUS SEALANT (TYP.)  
 STOREFRONT JAMB ANCHOR (3 PER JAMB, MIN.)  
 METAL FRAME PAINTED.  
 STOREFRONT

**H2** WALL PARTITION AS SCHEDULED, REFER TO SHEET A-2.  
 CONTINUOUS SEALANT (TYP.)  
 METAL FRAME PAINTED.  
 DOOR AS SCHEDULED.

**J2** WALL PARTITION AS SCHEDULED, REFER TO SHEET A-2.  
 DOUBLE MTL. STUDS  
 CONTINUOUS SEALANT (TYP.)  
 DOOR JAMB ANCHOR (3 PER JAMB, MIN.)  
 METAL FRAME PAINTED.  
 DOOR AS SCHEDULED.

**S1** STOREFRONT  
 WINDOW SILL ANCHOR (3 PER MULLION, MIN.)  
 METAL FRAME PAINTED.

**H3** CONTINUOUS SEALANT (TYP.)  
 STOREFRONT HEAD ANCHOR (3 PER JAMB, MIN.)  
 METAL FRAME PAINTED.  
 STOREFRONT

**J3** 5/8" GYP. BD. BOTH SIDES W/ MTL. STUDS  
 16" O.C. CONT. CAULK (TYP.)  
 JAMB CLIP  
 METAL FRAME PAINTED.  
 DOOR AS SCHEDULED.

**M1** STOREFRONT  
 STOREFRONT MULLION ANCHOR (3 PER MULLION, MIN.)  
 METAL FRAME PAINTED.  
 STOREFRONT



WINGS & RINGS

DRAWING ISSUE	DATE	11/25/20
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NO	DESCRIPTION	

STAMP

12/1/2020

ROOF PLAN  
 SCALE: AS NOTED  
 Drawn By: CJB Checked: JLD

PROJECT NUMBER  
 20-0501

SHEET NUMBER  
**A300**

**GENERAL NOTES**

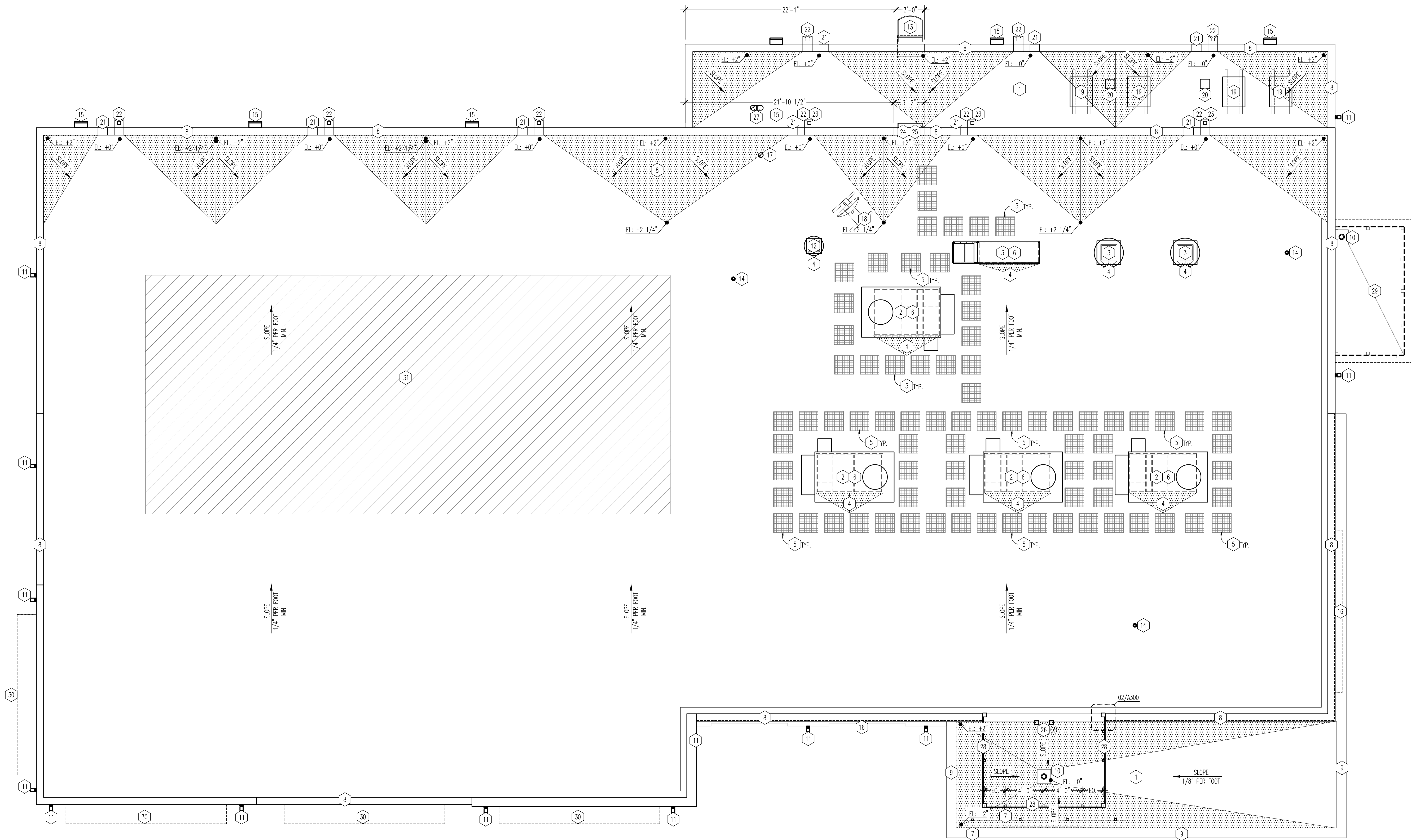
- G.C. IS RESPONSIBLE FOR SEALING ROOF PENETRATIONS.
- HVAC CONTRACTOR TO PROVIDE ROOF CURBS AND VENDOR IS RESPONSIBLE FOR PROVISION/COORDINATION OF ROOF PENETRATIONS REQUIRED FOR EQUIPMENT INSTALLATION.
- JOIST MANUFACTURER TO VERIFY STRUCTURAL JOIST CAPACITY BASED UPON FINAL ROOF TOP MOUNTED MECHANICAL PLAN AND HEIGHTS SUPPLIED BY MECHANICAL ENGINEER.
- FLASH ROOF VENT PIPES, SEE 07/A301.
- INSTALL ROOF TOP MOUNTED MECHANICAL UNITS ON UNFINISHED METAL CURBS WITH TREATED WOOD WALKER. SEE MECHANICAL DRAWINGS FOR NUMBER, SIZE, HEIGHT, WEIGHT, AND FINAL LOCATION OF ROOF TOP MOUNTED MECHANICAL EQUIPMENT.
- VENT PIPES TO BE 10" MINIMUM FROM AIR INTAKE.
- ROOF PENETRATIONS, CURBS, AND SLEEPERS TO BE INSTALLED BY APPROVED ROOFER. REFER TO INFORMATIONAL DETAILS ON A301.
- NEW DURA-LAST ROOF MEMBRANE TO BE INSTALLED BY MANUFACTURER APPROVED LICENSED ROOFING CONTRACTOR. REFER TO DETAILS AS INDICATED ON THIS SHEET. SPECIFICATIONS FOR NEW ROOF CRICKETS PER MANUFACTURER'S RECOMMENDATIONS.
- G.C. TO PROVIDE POWER AND BLOCKING FOR ALL BUILDING SIGNAGE. COORDINATE FINAL SIZE AND LOCATION WITH SIGN VENDOR.
- PRE-FINISHED COPING IS TO BE A MINIMUM OF 24 GAUGE "MP1".
- ROOF INSULATION TO BE A MINIMUM OF R-30.
- NEW ROOF MEMBRANE TO BE INSTALLED UP PARAPET WALLS AND UNDER COPING TO PROVIDE A CONTINUOUS SYSTEM. REFER TO DETAILS ON A301 AND WALL SECTIONS.
- APPROXIMATE LOCATION OF SATELLITE DISH PROVIDED BY A/V CONTRACTOR. COORDINATE WITH JOIST MANUFACTURER. G.C. TO PROVIDE 4"x4" PRESSURE TREATED WOOD SLEEPERS AT ALL CONDENSING UNIT AND SATELLITE DISH LOCATIONS.

**KEY NOTES**

- ROOFING BELOW, REFER TO WALL SECTIONS FOR FURTHER INFORMATION.
- ROOFTOP HVAC UNIT, MOUNT ON PREFINISHED METAL CURB - COORDINATE WITH STRUCTURE - SEE MECH DWGS.
- MAKE-UP AIR AND KITCHEN EXHAUST SYSTEM, SEE SEE MECHANICAL DRAWINGS.
- CRICKETS AROUND NEW ROOF EQUIPMENT CURBS - SLOPE 1/2" PER FOOT MIN.
- MEMBRANE 24"x24" PADS TO ALL SERVICE SIDES OF ROOF TOP MOUNTED EQUIPMENT. VERIFY LOCATION PRIOR TO INSTALLATION. WALKWAY PADS SHALL BE PURCHASED WITH PVC ROOFING MEMBRANE, INSTALLED AND LOCATED PER MANUFACTURER'S SPECIFICATIONS AND WARRANTY. - COLOR GRAY
- REFER TO MECHANICAL ROOF PLAN FOR LIGHTS AND OUTLETS AT UNITS.
- LINE OF SIGN - COORDINATE BLOCKING SUPPORT AND ELECTRICAL WITH SIGN VENDOR. REFER TO EXTERIOR ELEVATIONS FOR FURTHER INFORMATION.
- PREFINISHED METAL CAP FLASHING, TYP. "MP1".
- LOW ROOF TO HAVE DARK PREFINISHED METAL CAP FLASHING "MP2".
- PROVIDE AND INSTALL 4" FROST COMBINATION OVERFLOW / ROOF DRAIN. CONNECT OVERFLOW TO ONE DOWNSPOUT AND MAIN DIRECTLY TO AND MAIN DRAIN TO OTHER DOWNSPOUT. REFER TO PATIO PLAN AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- WALL SCONCE LIGHT BELOW, REFER TO ELEVATION AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- RESTROOM EXHAUST FAN, COORDINATE WITH MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.
- EXTERIOR ROOF LADDER AND CAGE, REFER TO WALL SECTIONS FOR DETAILS.
- SANITARY VENT; COORDINATE WITH PLUMBING SHEETS.
- WALL PACK SERVICE LIGHT, WALL MOUNTED - REFER TO ELECTRICAL SHEETS.
- DASHED LINE INDICATES LED ROPE LIGHTING AT PARAPET. REFER TO WALL SECTIONS AND EXTERIOR ELEVATION FOR FURTHER INFORMATION.
- WATER HEATER CONCENTRIC VENT; COORDINATE WITH PLUMBING SHEETS.
- APPROXIMATE LOCATION OF SATELLITE DISH PROVIDED BY A/V CONTRACTOR. SEE GENERAL NOTE 13. PENETRATION FOR SATELLITE CABLE, COORDINATE EXACT LOCATION WITH A/V CONTRACTOR, SEE DETAIL 13/A301 FOR PENETRATING REFERENCE.
- CONDENSING UNIT FOR WALK-IN BOXES AND ICE MACHINE, KITCHEN EQUIPMENT VENDOR TO COORDINATE LOCATION. FINAL HOOD-UP BY G.C. REFER TO 11/A301 FOR TYP. SUPPORTS.
- HOODED PAN FOR REFRIGERANT LINES, ELEC, ETC - REFER TO 12/A300 - VERIFY FINAL LOCATION WITH EQUIPMENT.
- OVERFLOW SCUPPER, REFER TO DETAIL 10/A301.
- SCUPPER AND DOWNSPOUT TO BE INSTALLED AS INDICATED. REFER TO A301 FOR DETAILS AND EXTERIOR ELEVATIONS FOR FINISH.
- DOWNSPOUT TO DRAIN TO ROOF BELOW. G.C. TO ENSURE PROPER PROTECTION AND SEALANT IS PROVIDED.
- ROOF LADDER FROM LOWER PARAPET ROOF TO UPPER PARAPET ROOF. FIELD VERIFY HEIGHTS PRIOR TO FABRICATION.
- PARAPET STEPS FOR LADDER, PROVIDE ADDITIONAL SUPPORT FOR COPING TO STEP DOWN AND AROUND CORNERS.
- LIGHT FIXTURE FOR TOWER FEATURE, REFER TO ELECTRICAL DRAWINGS.
- EXHAUST GOOSENECK, REFER TO MECHANICAL PLANS FOR FURTHER INFORMATION.
- EXPOSED COLUMN TOWER FEATURE, PAINTED PER EXTERIOR ELEVATIONS, WITH TRUSS INSTALLED IN BETWEEN. CENTER SUPPORTS AS SHOWN. REFER TO WALL SECTIONS FOR FURTHER INFORMATION.
- OVERHAND CANOPY TO BE INSTALLED. REFER TO EXTERIOR ELEVATIONS AND DETAILS FOR FURTHER INFORMATION.
- AWNING BELOW, REFER TO EXTERIOR ELEVATIONS ON SHEET A100 AND A101.
- HATCHED AREA INDICATES FUTURE TENANT DESIGN AREA FOR RTU DESIGN.

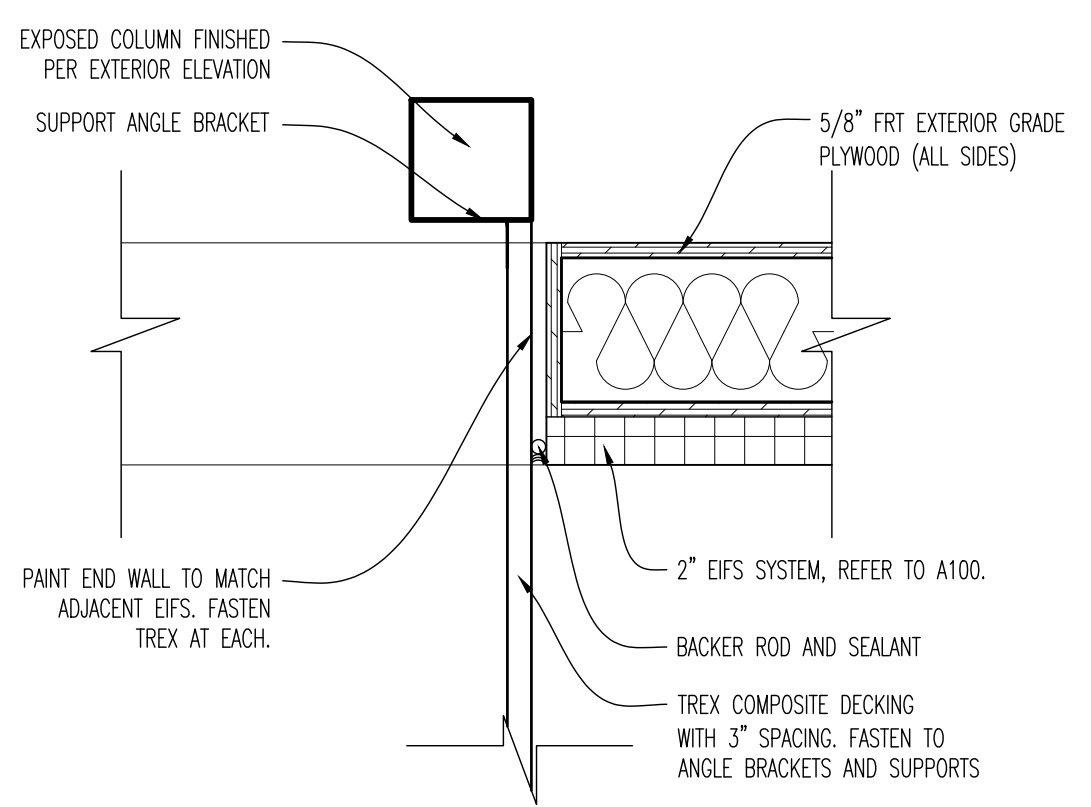
**ROOF LEGEND**

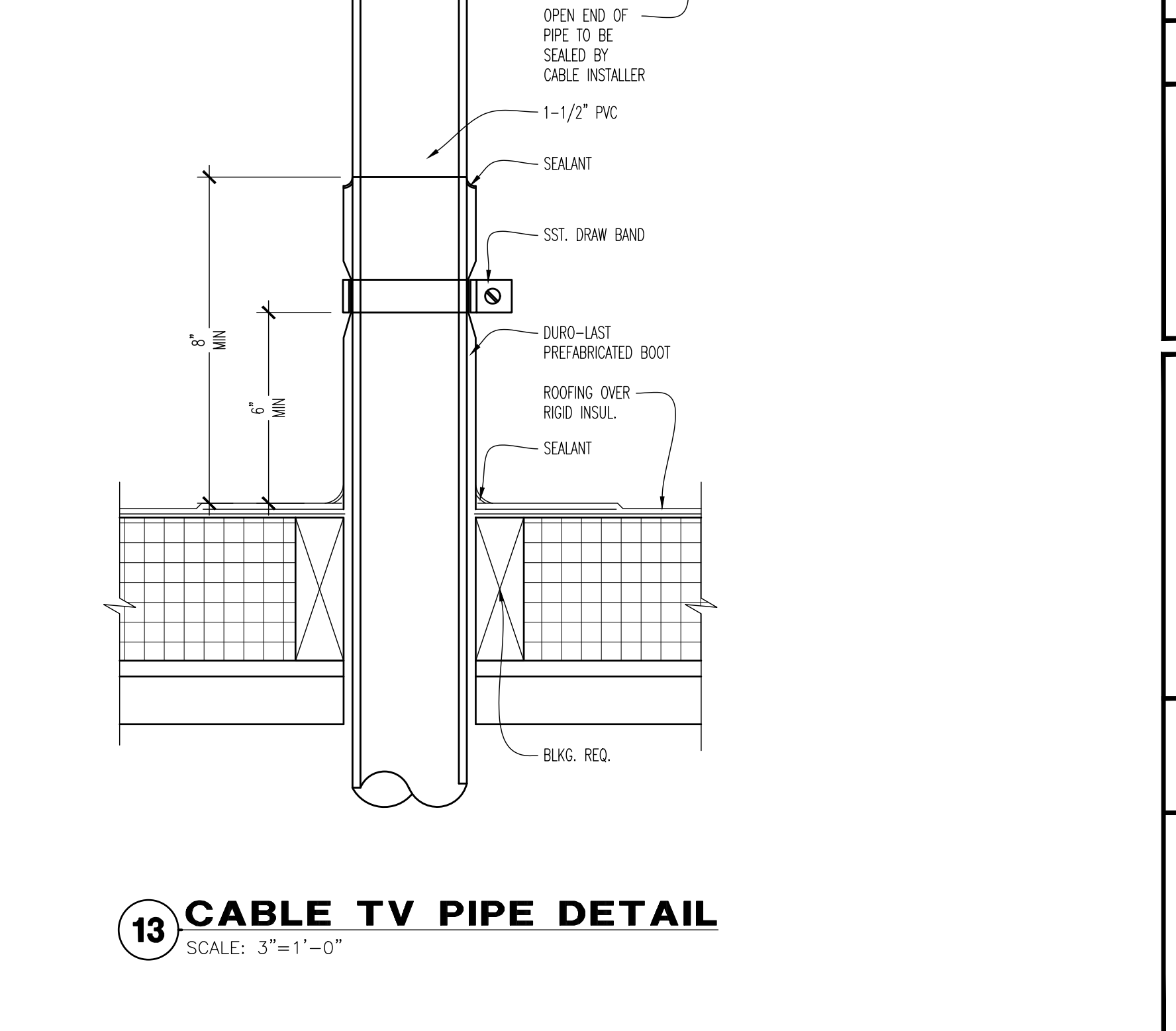
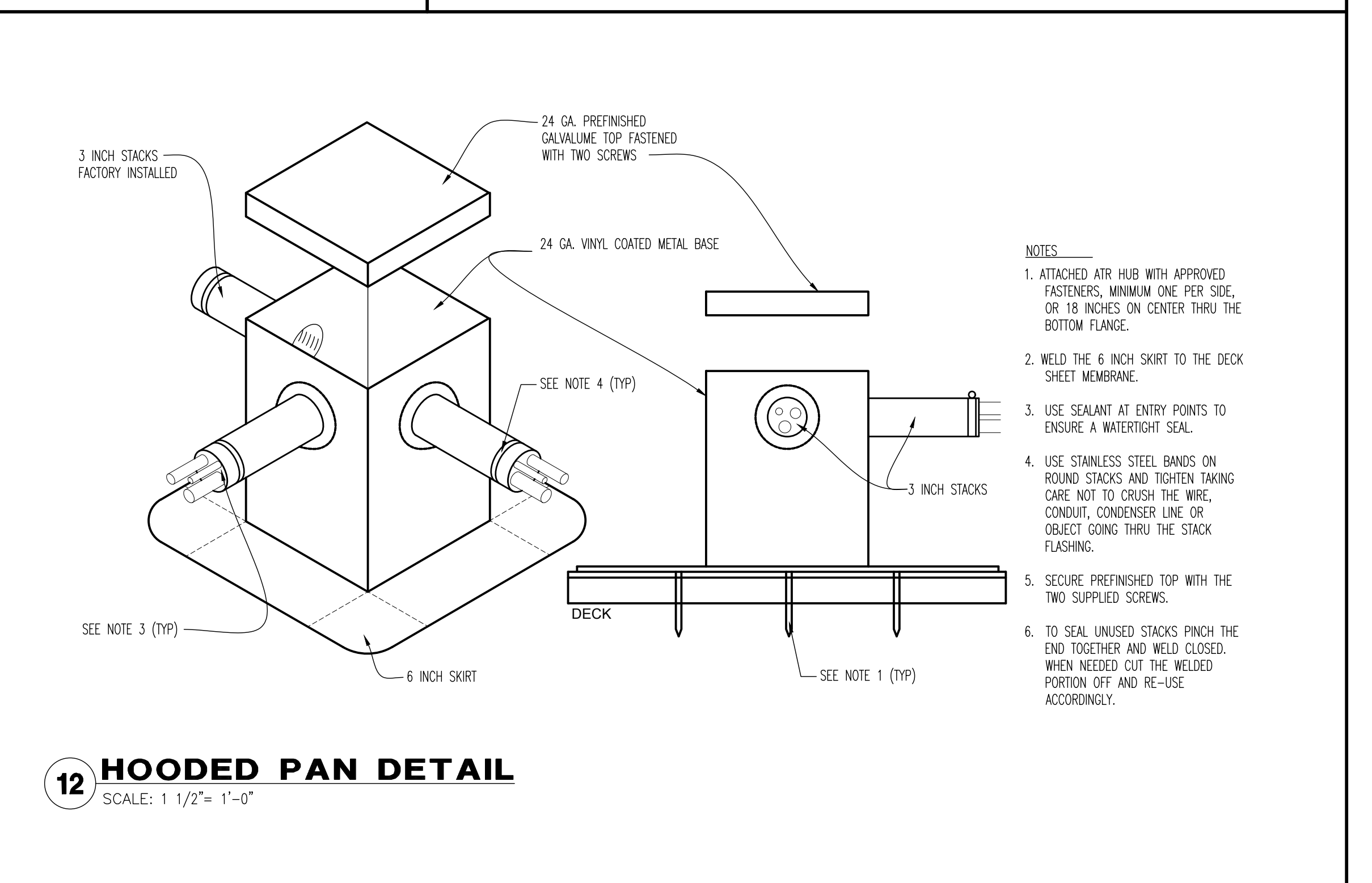
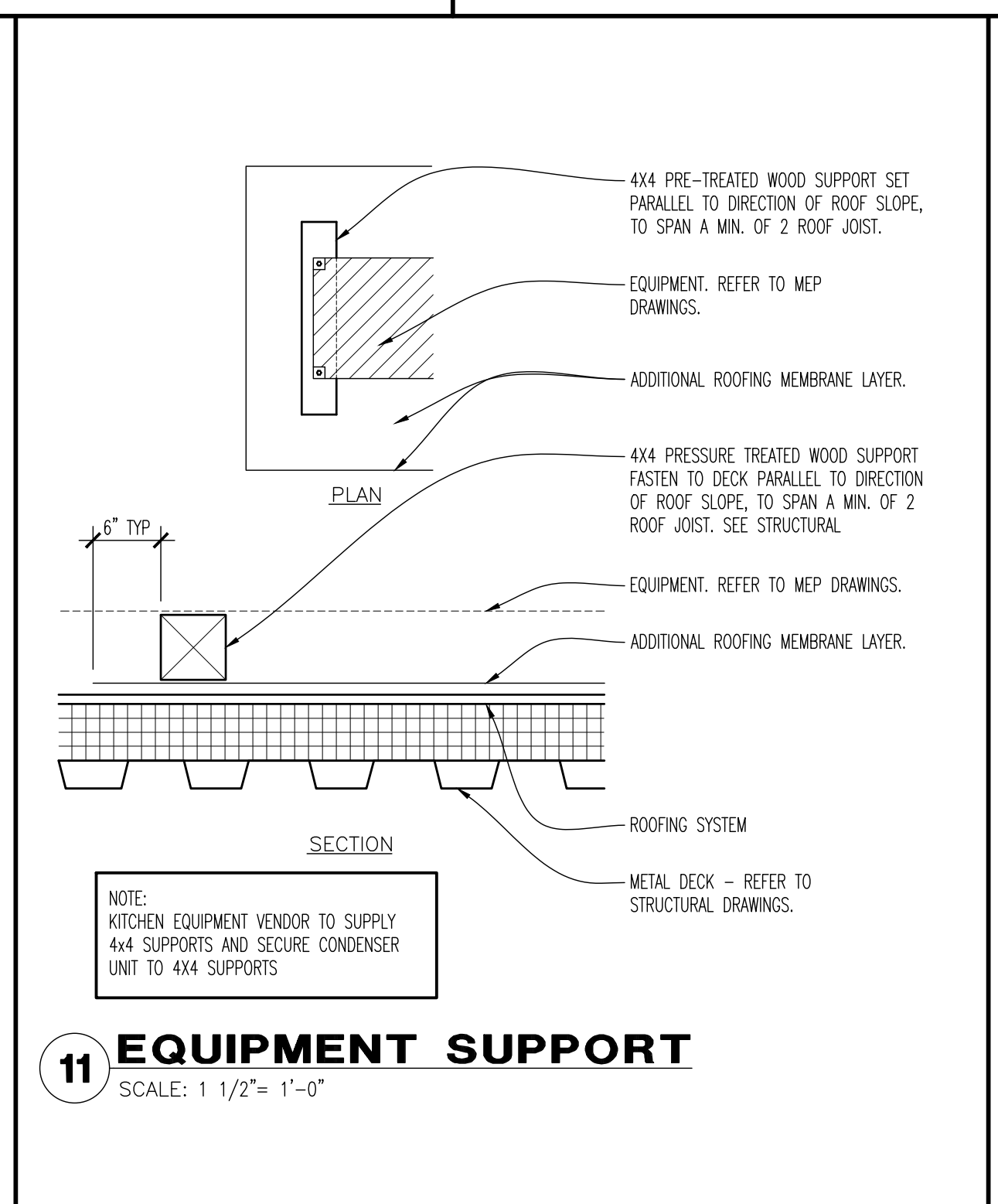
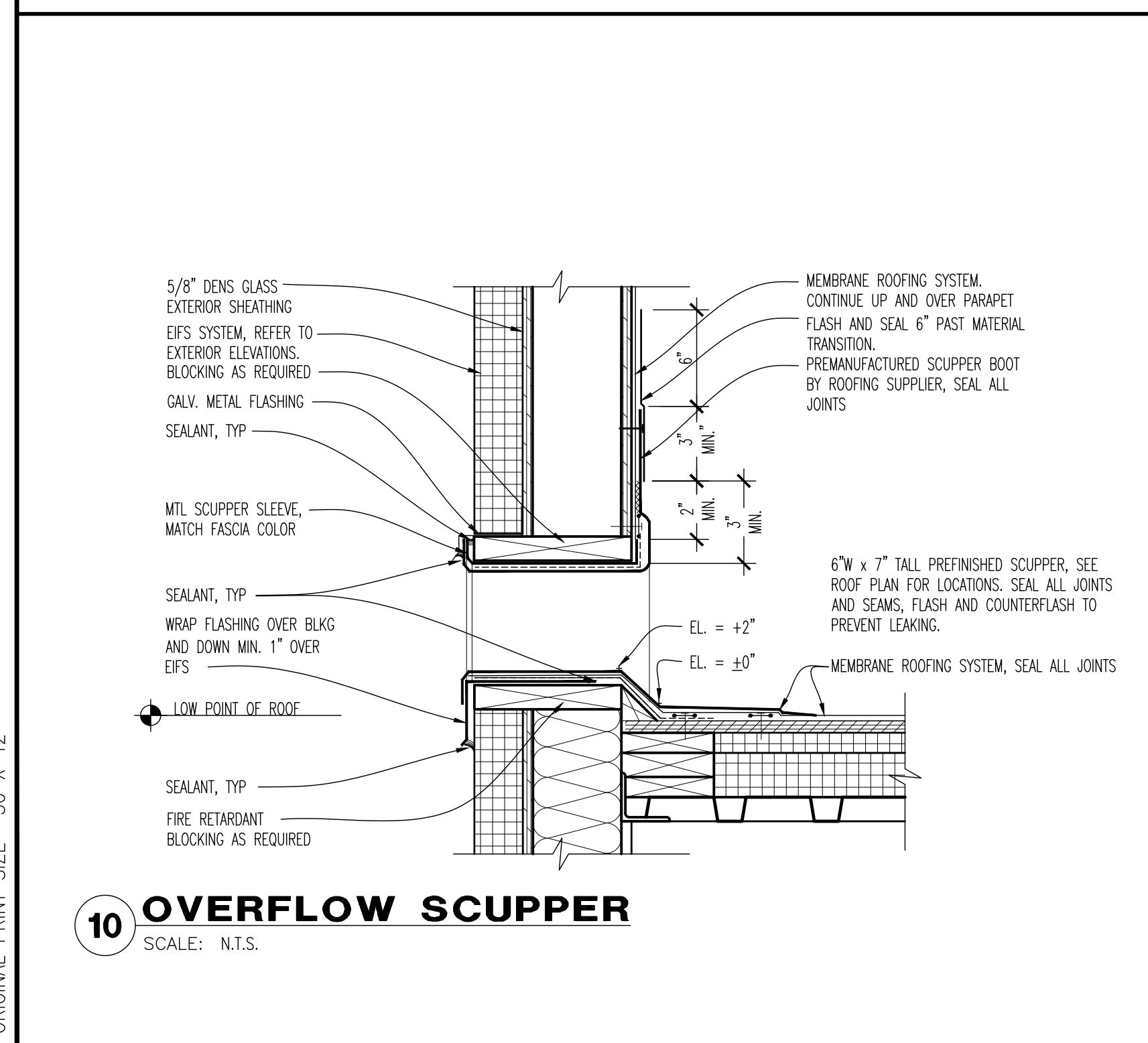
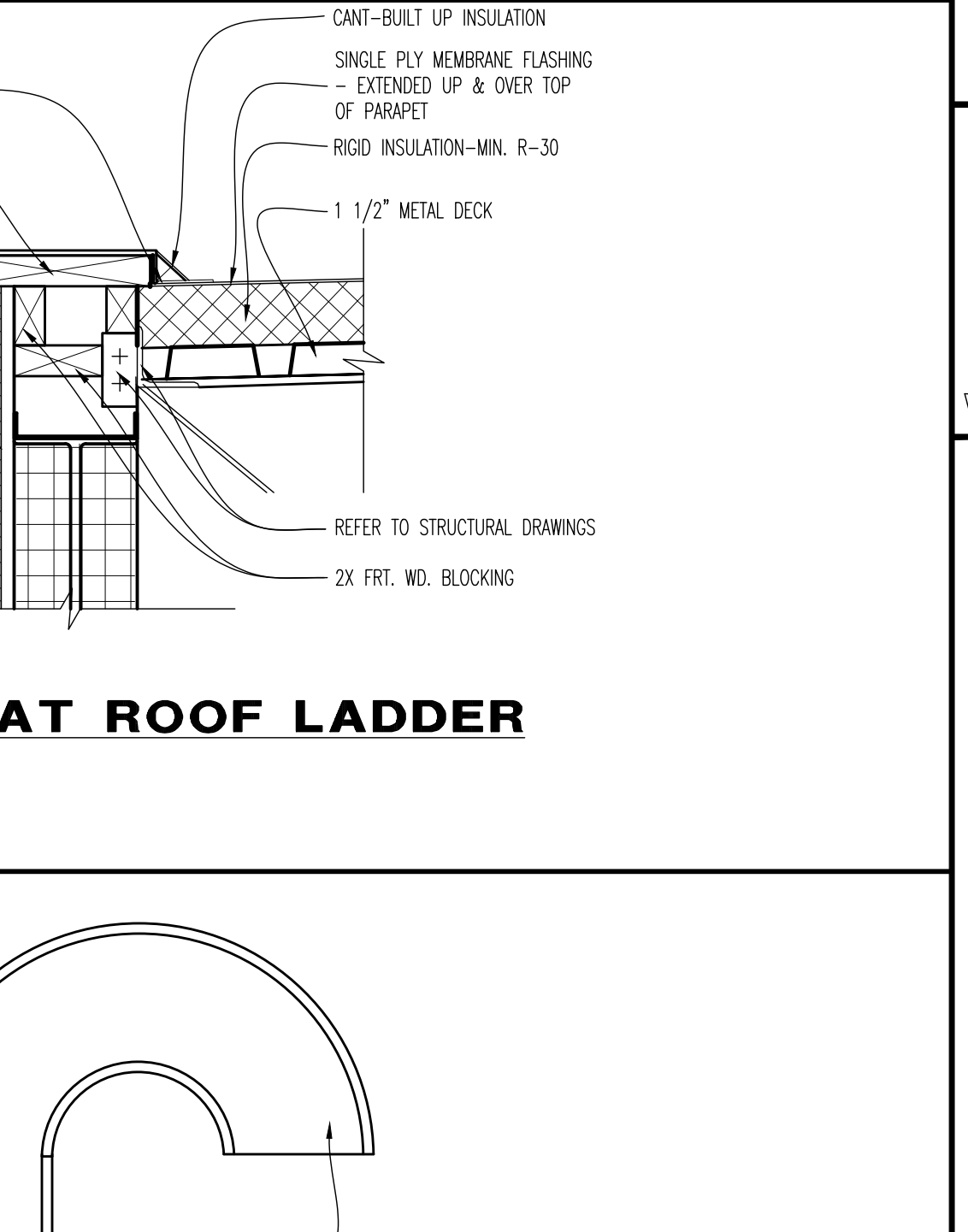
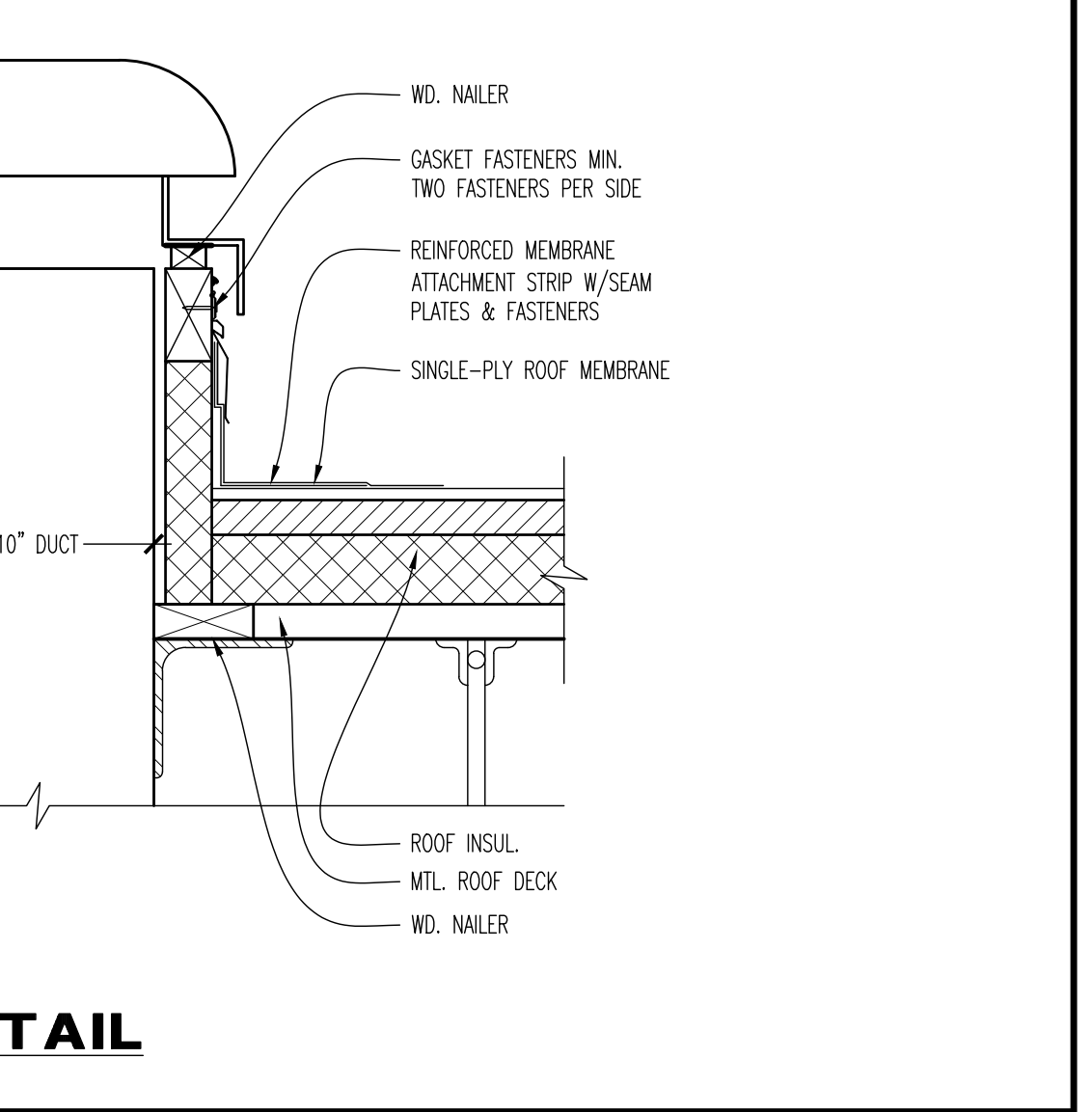
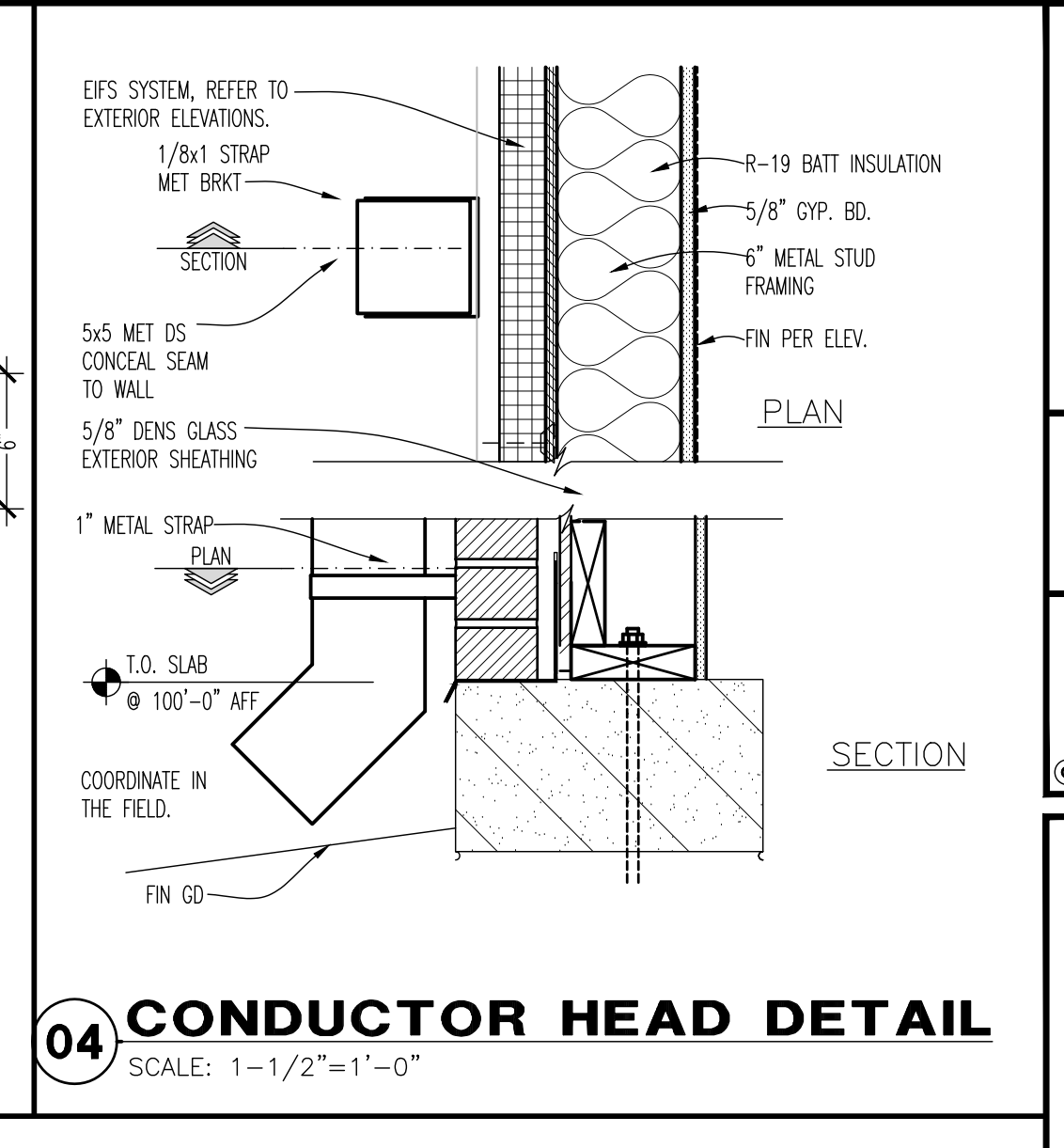
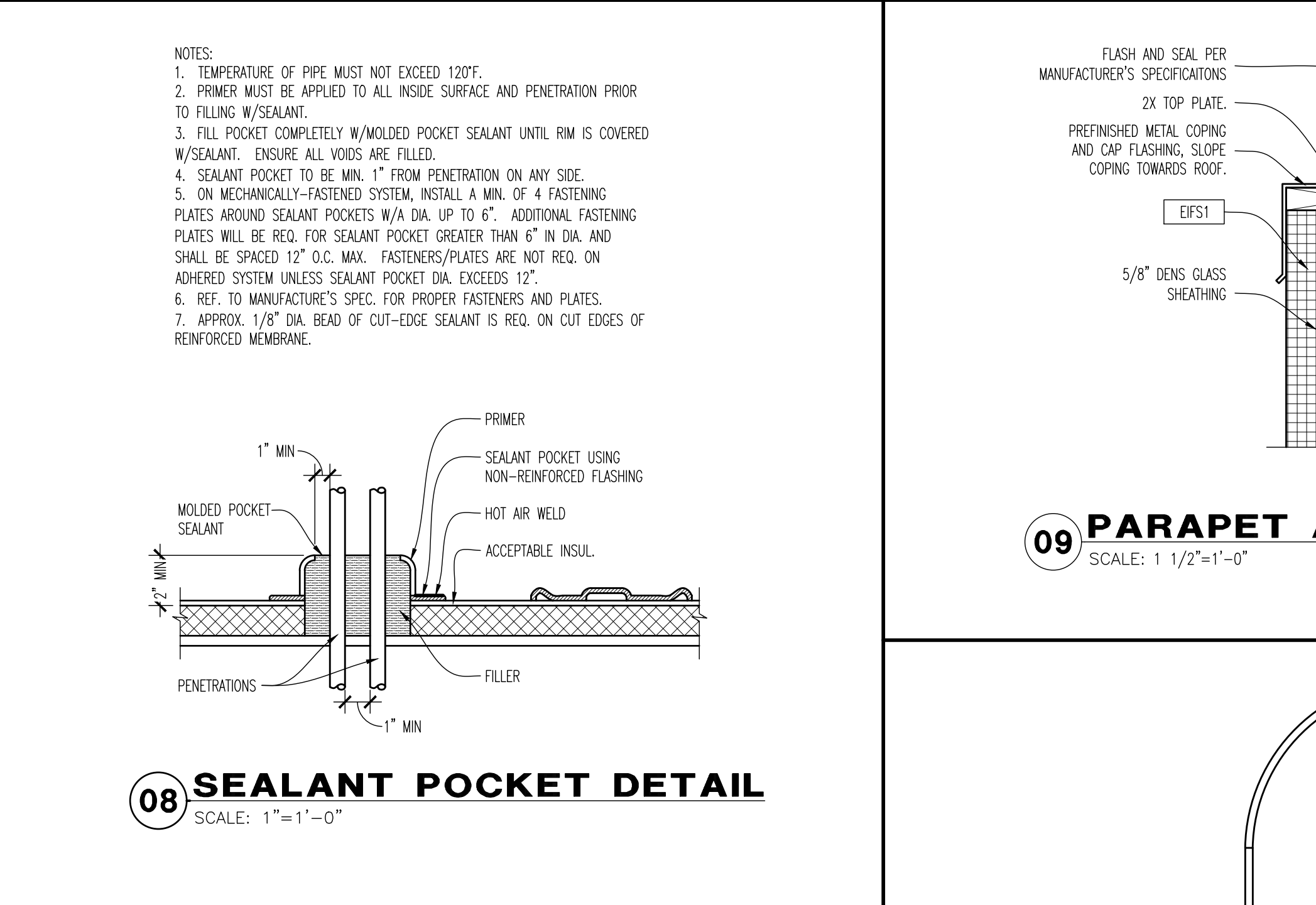
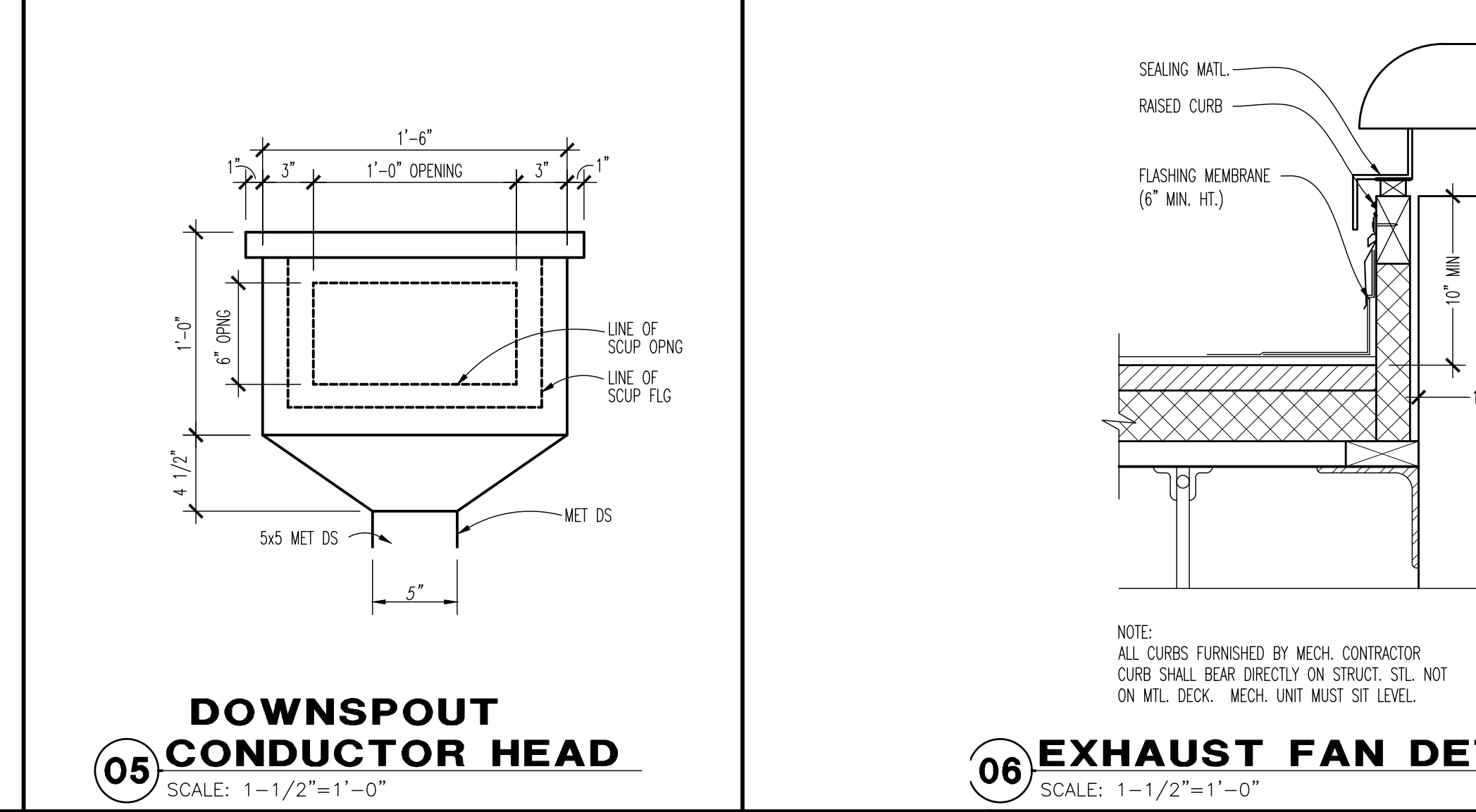
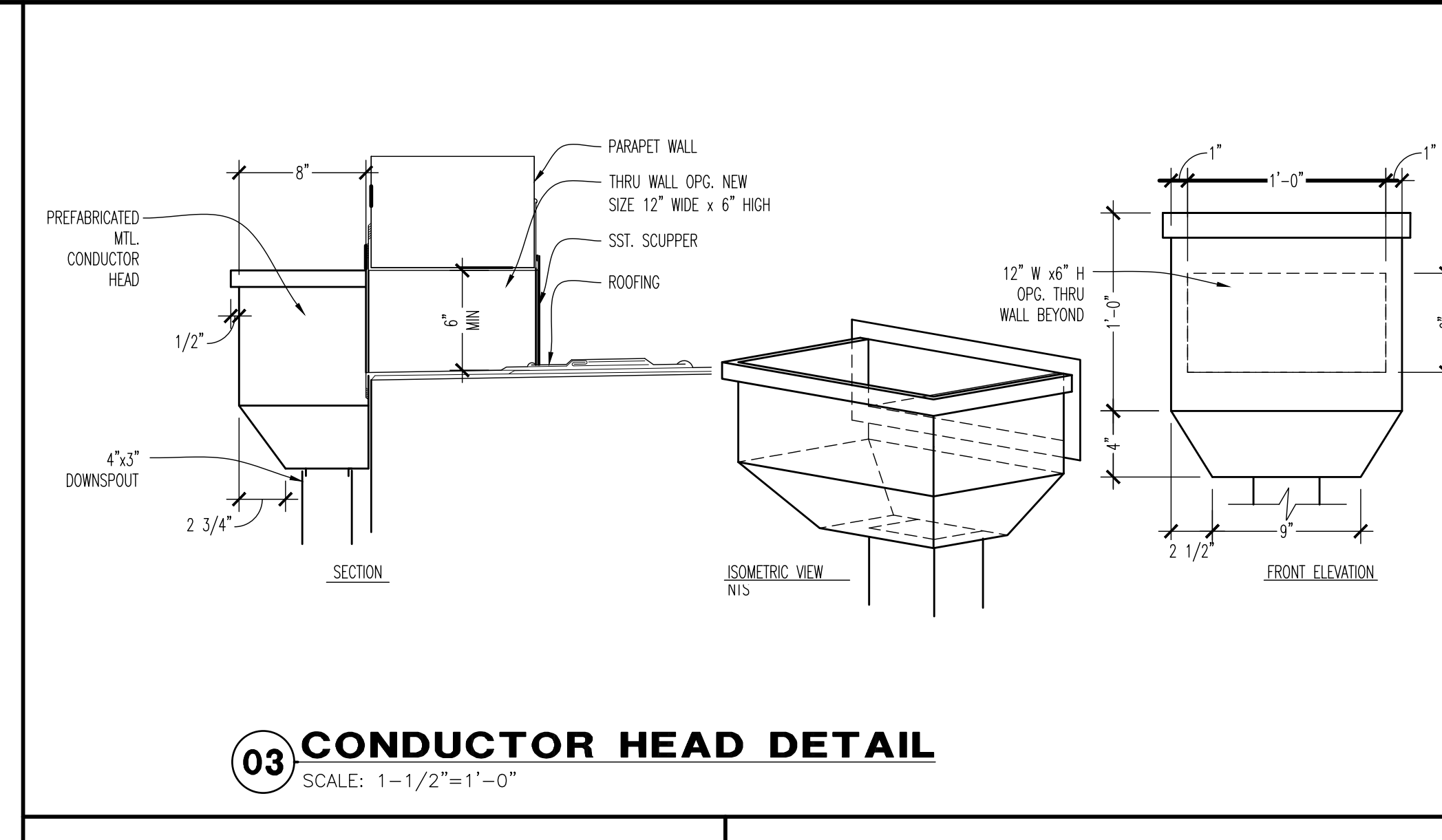
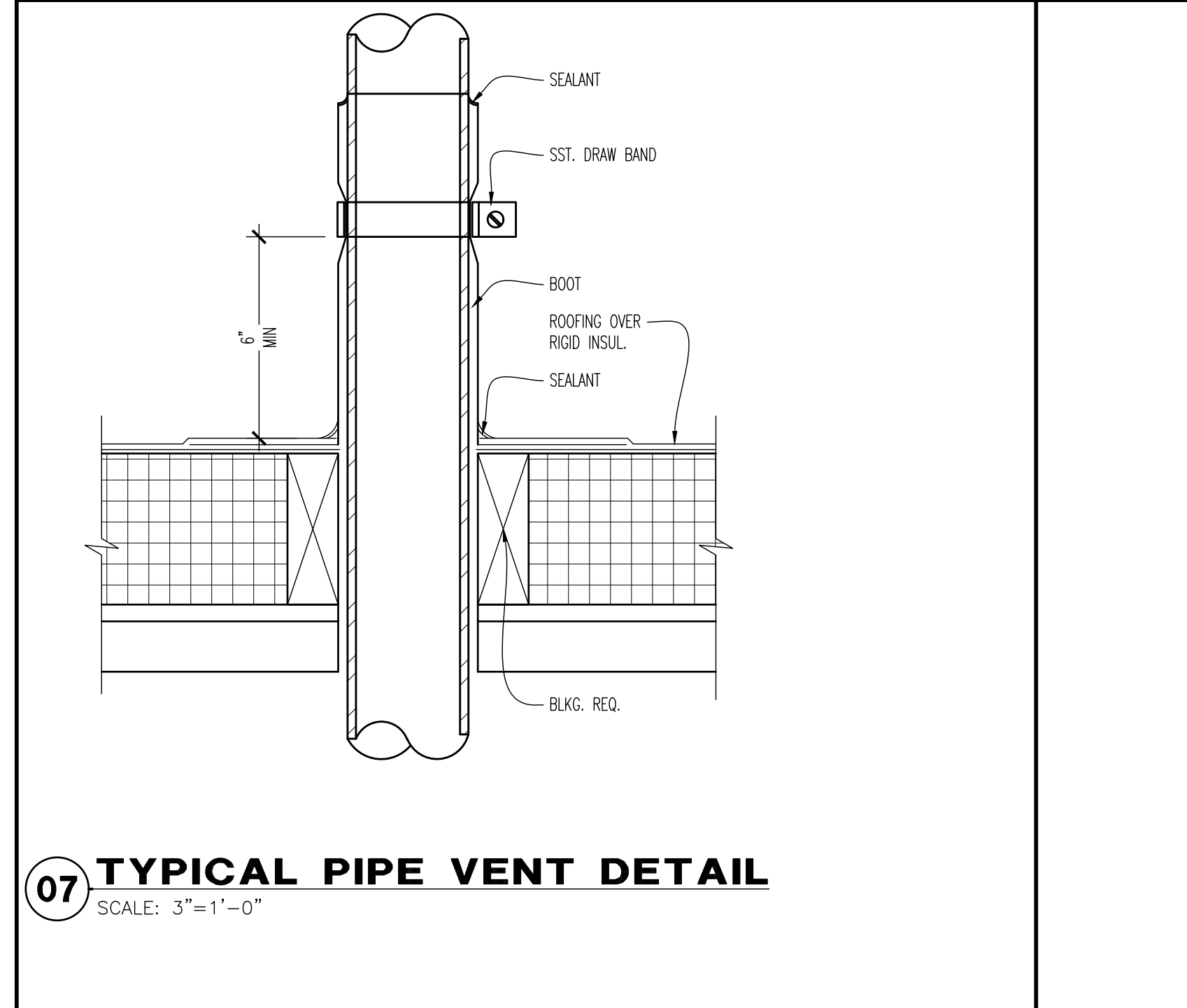
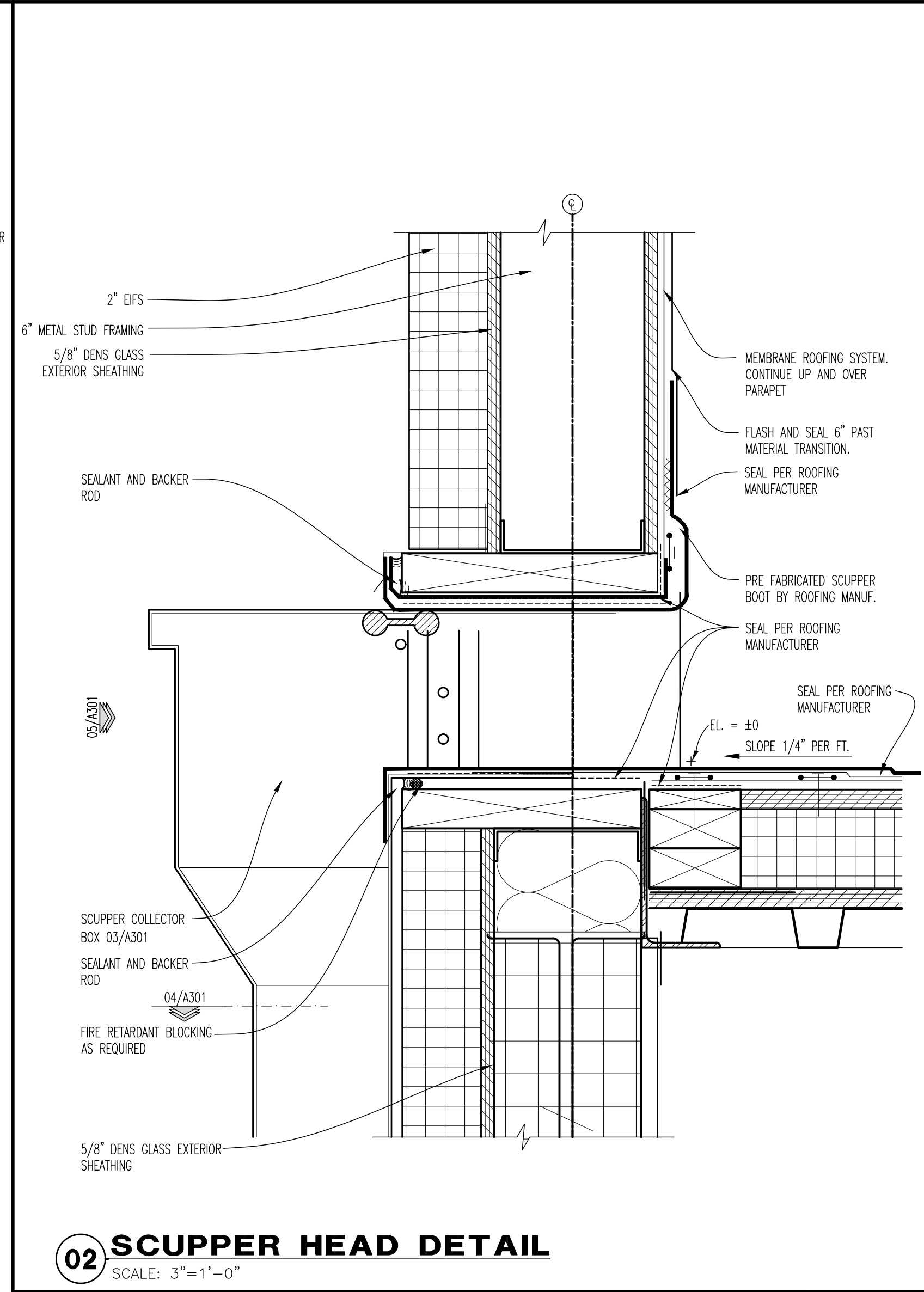
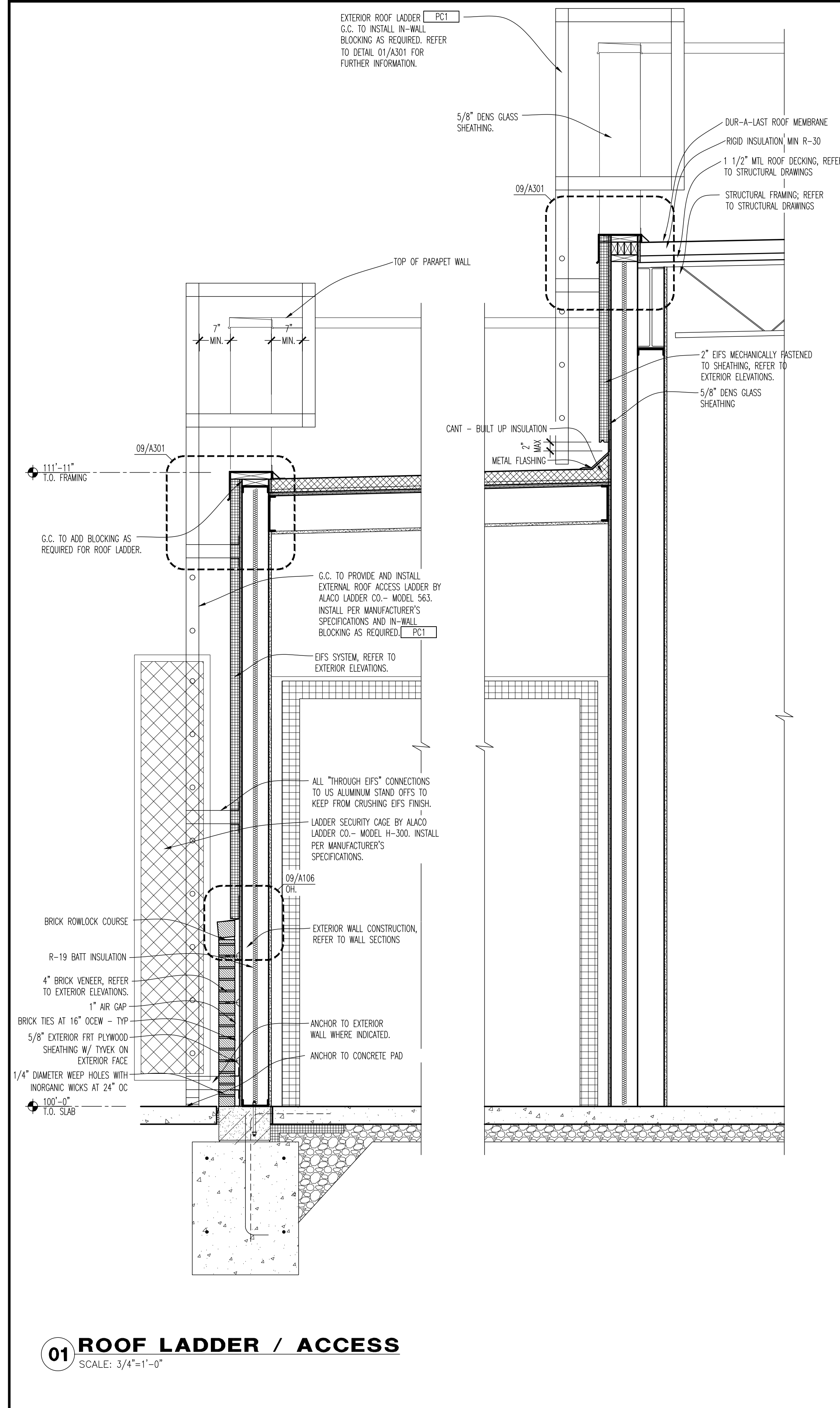
	EXTERIOR WALL MOUNTED ROOF LADDER AND CAGE. "PC1".
	MEMBRANE 24"x24" PAD WALKWAY TO ALL SERVICE SIDES OF ROOF TOP MOUNTED EQUIPMENT. VERIFY LOCATION PRIOR TO INSTALLATION.
	SCUPPER AND DOWNSPOUT. FINISH TO MATCH ADJACENT WALL. SEE DETAILS ON A301.
	TAPERED INSULATION
	DOWNSPOUT TO CANOPY ROOF DRAIN



**01 ROOF PLAN**  
 SCALE: 3/16"=1'-0"

**02 DETAIL**  
 SCALE: 1 1/2"=1'-0"





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**BUFFALO WINGS AND RINGS**  
720 BYPASS ROAD  
CAMPBELLVILLE, KY 42718

**WINGS & RINGS**

DRAWING ISSUE  
DATE: 11/25/20  
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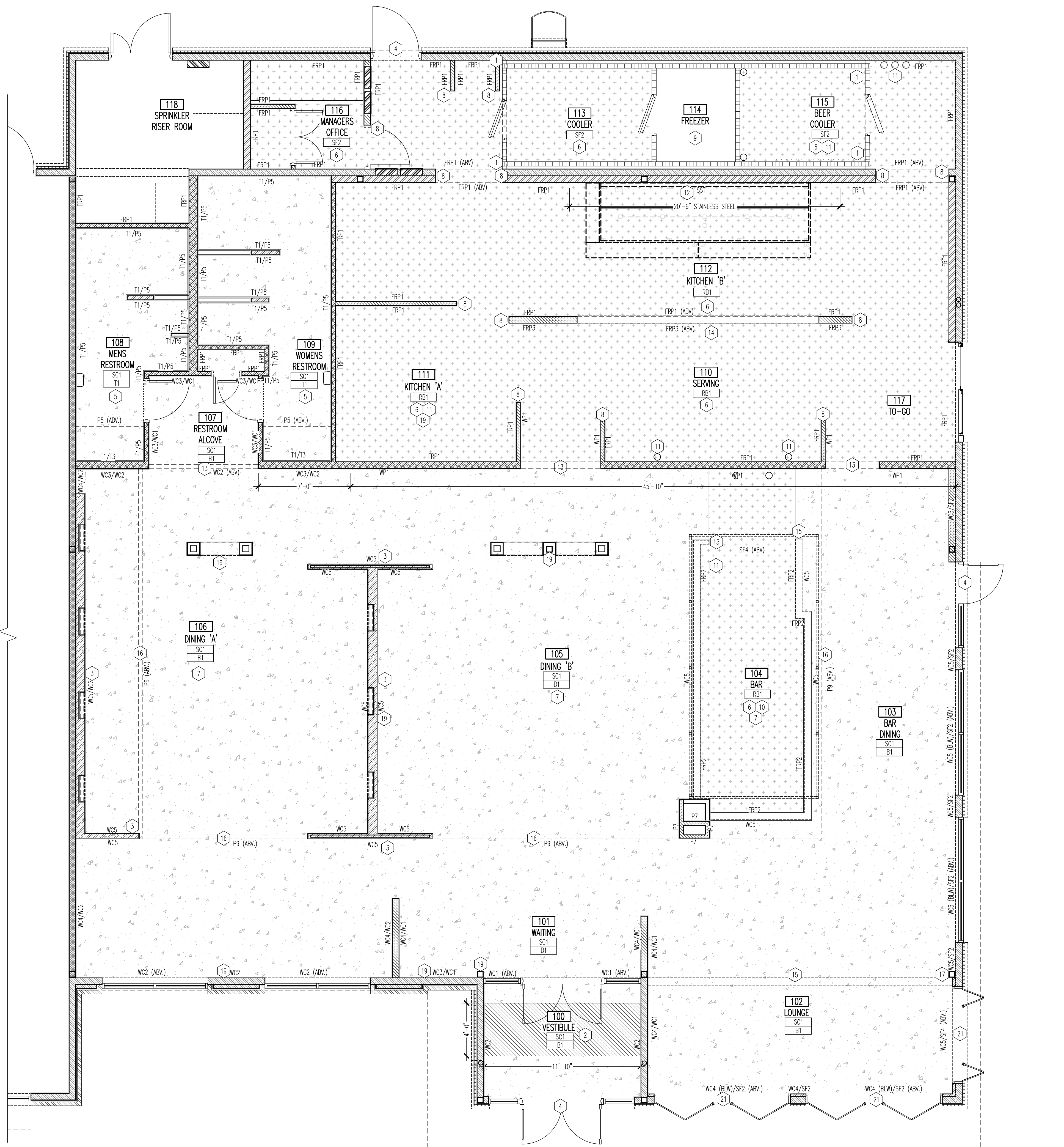
STAMP  
12.12.2020

PROJECT NUMBER: 20-0501  
SHEET NUMBER: A301

SCALE: AS NOTED  
Drawn By: JCB  
Checked By: JLD

ORIGINAL PRINT SIZE - 30 X 42

FOR BID ONLY



**01 FINISH PLAN**  
SCALE: 1/4"=1'-0"

**GENERAL NOTES**

- REFER TO A402 FOR FINISH SCHEDULES.
- G.C. TO PREPARE 1/8" PER FOOT MINIMUM SLOPE TO ALL FLOOR DRAINS. REFER TO A400.
- SET FLOOR DRAINS FLUSH WITH TOP OF FINISH TILE FLOOR OR SEALED CONCRETE FLOOR DRAINS TO BE INSTALLED AS TO PROVIDE POSITIVE DRAINAGE TO ALL FLOOR DRAINS. G.C. IS RESPONSIBLE FOR LEVELING EQUIPMENT AS NEEDED.
- TYPICAL BASE INSTALLATIONS, SEE A401.
- ALL HORIZONTAL SEAMS ARE TO BE CAULKED (I.E. COUNTERTOPS, TILE BASE, ETC).
- SEALANTS TO BE CLEAR SILICONE IN FINISH APPLICATIONS.
- FLOORING CONTRACTOR IS RESPONSIBLE FOR FLOOR PREPARATION NECESSARY FOR NEW FLOORING.
- NO ACID TO BE USED FOR CLEANING FLOORS AFTER INSTALLATION AND DURING CONSTRUCTION TURNOVER. USE SOAP AND WATER WITH DECK BRUSH.
- NO EPOXY SUBSTITUTES PERMITTED.
- CAULK ALL CONTROL JOINTS. SEE SPECIFICATIONS FOR MANUFACTURER.
- PAINTING CONTRACTOR RESPONSIBLE FOR FILLING ALL NAIL HOLES, SANDING AND TOUCH UP.
- G.C. TO USE APPROVED BY MANUFACTURER ADHESIVE TO BOND WALL BASE TO WALL FINISHES, FRP, AND COOLERS. ADHESIVE TO BE APPLIED WITH TROWEL BEHIND FRP (APPLY TO FRP AND SHEATHING) TO ENSURE COMPLETE COVERAGE, WHERE EVER FRP IS INSTALLED. ROUGHEN BOTTOM 3" OF FRP TO RECEIVE BASE.
- G.C. TO COORDINATE TV LOCATIONS WITH THE AUDIO VISUAL VENDOR AND OWNER.
- ALL TILE AND GROUT ON FLOORS: TAPE DOWN AND STAGGER SEAMS BY HALF THE WIDTH ON SECOND LAYER.
- PROVIDE SST CORNER GUARDS AND WALL WRAPS FROM BASE TO CEILING ON ALL CORNERS AND END WALL CONDITIONS IN KITCHEN. REFER TO DETAIL 07/A401.
- ALL WOOD TRIM THROUGHOUT TO BE FINISHED WITH 'WC1' AND 'WC2' PER FINISH SCHEDULE. COORDINATE WITH INTERIOR ELEVATIONS.
- PROVIDE MINIMUM 2" SQ. STAINED WOOD SAMPLE AT START OF CONSTRUCTION FOR APPROVAL BY ARCHITECT TO USE AS A CONTROL PIECE. STAIN/ FINISH PER FINISH SCHEDULE.
- ALL WOOD TRIM SHOULD BE INSTALLED SO THAT GRAIN RUNS HORIZONTALLY.
- USE WOOD CORNER TRIM ON ALL OUTSIDE CORNERS. TRIM SHOULD BE FINISH GRADE MAPLE AND STAINED WALNUT TO MATCH 'WC5'. REFER TO A403 FOR FINISH SCHEDULE. ALL EDGES MUST BE EASED EDGES.
- ALL OFFICERS AND TRIM RINGS TO BE PAINTED TO MATCH ADJACENT FINISHES.
- G.C. TO PROVIDE BOSTIC USA-HYDROMET BLACK TOP 90210 WATERPROOF MEMBRANE SYSTEM ON ALL FLOOR TILE LOCATIONS - MEMBRANE SYSTEM TO PROJECT UP WALL 4" AND OUT FROM WALL 16".
- DEVICES & COVER PLATES COLORS:  
 - WHITE ON WHITE FRP SURFACES  
 - BROWN ON BAR WALL AND PERMETER LAMINATE  
 - BLACK IN ALL CABINETS AND BLACK FRP  
 - GRAY RECEPTABLES WITH STAINLESS COVER PLATES ON STAINLESS STEEL.  
 - ALL ISOLATED GROUND RECEPTABLES SHALL BE ORANGE IN COLOR WHILE COVER PLATES TO FOLLOW COLORS ABOVE.

**KEY NOTES**

- EXTEND TRP" 12" MIN. PAST COOLER VERTICAL EDGE. SEE 14/A401. G.C. TO PROVIDE STAINLESS STEEL CLOSE OFFS AT ALL COOLER TRANSITIONS.
- RECESSED WALK OFF MAT, DRI-TRACK TO BE INSTALLED AT THE CENTER OF DOOR OR INDICATED WALKWAY. INSTALL PER MANUFACTURER'S SPECIFICATIONS AND SEE DETAILS ON A401.
- FOR LOW WALL TRIM CONDITIONS REFER TO DETAILS ON SHEET A401.
- ADA THRESHOLD TRANSITION REQUIRED AT EACH EXTERIOR EXIT DOOR. DOORS SHALL COMPLY WITH ADA REQUIREMENTS FOR EGRESS DOORS. REFER TO DETAIL 05/A401. ALL DOOR THRESHOLDS TO BE INSTALLED IN A BED OF SEALANT.
- FIELD WALL TILE TO BE T1 WITH TILE TRIM OF T2 AS SHOWN ON SHEET A700, RESTROOM ELEVATIONS. G.C. TO ENSURE 1/8" GROUT LINES ARE USED FOR WALL TILE INSTALLATION.
- POLYURETE POURED FLOOR WITH 4" INTEGRAL COVE BASE THROUGHOUT BACK OF HOUSE AND BAR AS SHOWN.
- G.C. IS RESPONSIBLE FOR INSTALLING BASE AROUND MILLWORK.
- 2"x2"x48" STAINLESS STEEL CORNER GUARDS (2" X WALL THICKNESS X 2" STAINLESS STEEL CHANNEL CAPS)/CAPS AT ALL 'FRP1' OUTSIDE CORNERS. CAULK CORNER TO FRP, SEE 07/A401.
- MANUFACTURER'S FLOORING TO BE INSTALLED IN FREEZER. COORDINATE WITH E1010.
- FRONT BAR TOP AND BACK BAR TOP FINISHES, SEE A701. G.C. IS RESPONSIBLE FOR PROVIDING/ INSTALLING BASE.
- CHASE SLEEVES TO BE CUT, SEALED, AND CAPPED AROUND LINES WITHIN 3" OF FINISHED FLOOR. G.C. IS RESPONSIBLE TO CUT DOWN PVC TO SAME LEVEL THROUGHOUT LOCATION PRIOR TO VENDOR INSTALLING ITEMS. EXTEND FRP-1 12" MIN. PAST COOLER VERTICAL EDGE. SEE 08/A401 - G.C. TO PROVIDE SS CLOSE OFFS AT ALL COOLER TRANSITIONS.
- EXTEND STAINLESS STEEL SURFACE AT KITCHEN HOOD 18" BEYOND HOOD ON EACH SIDE. COVER ENTIRE CORNER/WALL AS NOTED BY GRILL HOOD. SST PROVIDED BY HOOD VENDOR.
- PAIN BULKHEAD 'P1' AND FINISH DINING SIDE CORNER WITH WHITE TRIM. REFER TO A400 FOR ADDITIONAL INFORMATION.
- EQUIPMENT VENDOR TO PROVIDE, G.C. TO INSTALL 18GA STAINLESS STEEL CHANNEL AROUND PERIMETER OF PASS THRU WINDOW OPENING.
- DASHED LINE INDICATED PARAPET WALL ABOVE WITHIN CEILING. REFER TO WALL SECTIONS FOR FURTHER INFORMATION.
- FINISH UNDERSIDE OF BULKHEAD WITH 'P9'. REFER TO A400 FOR ADDITIONAL INFORMATION.
- EXPOSED STRUCTURAL COLUMN TO BE PRIMED AND PAINTED 'P2'.
- EXPOSED STRUCTURAL COLUMN TO BE PRIMED AND PAINTED 'P4'. TO MATCH ADJACENT WALL PAPER.
- COLUMN BUILD OUT FOR TYS TO BE PAINTED 'P2' TO DECK/ALL SIDES AND INSTALL WALL BASE ON COLUMNS.
- G.C. TO PRIME WALL UNDER CHAIR RAIL WHERE SEATTEE OR BENCH IS INSTALLED, NO LAMINATE TO BE INSTALLED. ENSURE ANY EXPOSED WALL SURFACE HAS 'WC4' INSTALLED.
- G.C. TO EXTEND WOOD TRIM AT CHICAGO BI-FOLD WINDOWS. REFER TO SECTION ON 1 ON A105 FOR FURTHER INFORMATION. ENSURE CLEAN SEAMLESS FINISH.

**FINISH LEGEND**

NOTES:  
VERIFY WALL FINISHES WITH INTERIOR ELEVATIONS SHEET A400.  
SEE FINISH SCHEDULE ON SHEET A402 FOR PRODUCT MANUFACTURER AND SPECIFICATION INFORMATION.

	POLISHED CONCRETE - SLOPE AWAY FROM BUILDING 2% MAX AT DOORS
	POLYURETE POURED FLOORING - SERVING, KITCHEN A, KITCHEN B, KITCHEN C, STOCK ROOM, A/V ROOM, MANAGER'S OFFICE, BAR.
	RECESSED WALK OFF MAT DRI-TRACK "CHARCOAL"

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**BUFFALO WINGS AND RINGS**  
720 BYPASS ROAD  
CAMPBELLVILLE, KY 42718



DRAWING ISSUE	DATE	11/25/20
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12.1.2020

INTERIOR FINISH PLAN  
SCALE: 1/4" = 1'-0"  
Drawn By: CJB Checked LJD

PROJECT NUMBER  
20-0501

SHEET NUMBER  
**A400**

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**BUFFALO WINGS AND RINGS**  
 720 BYPASS ROAD  
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DRAWING ISSUE

NO.	DESCRIPTION	DATE
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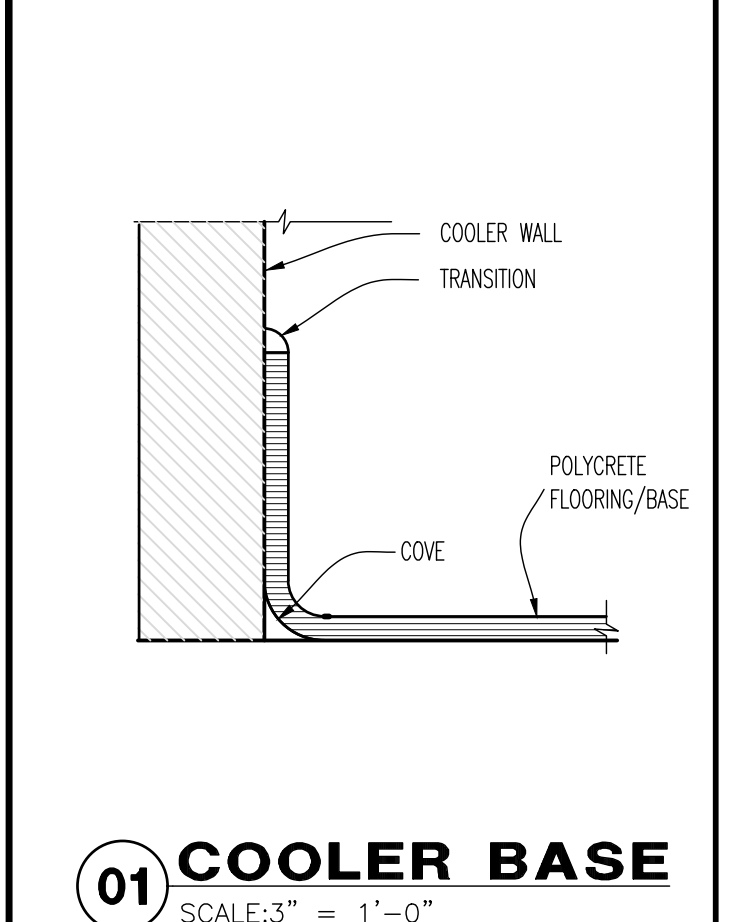
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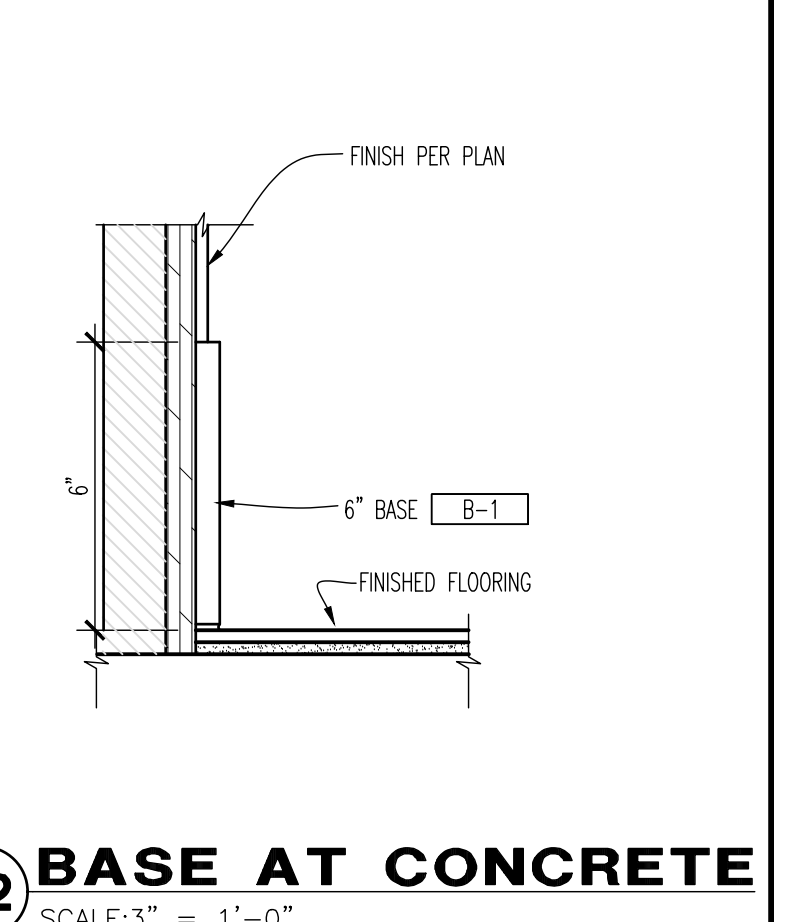
INTERIOR FINISH DETAILS  
 SCALE: AS NOTED  
 Drawn By: CJB Checked LJD

PROJECT NUMBER  
20-0501

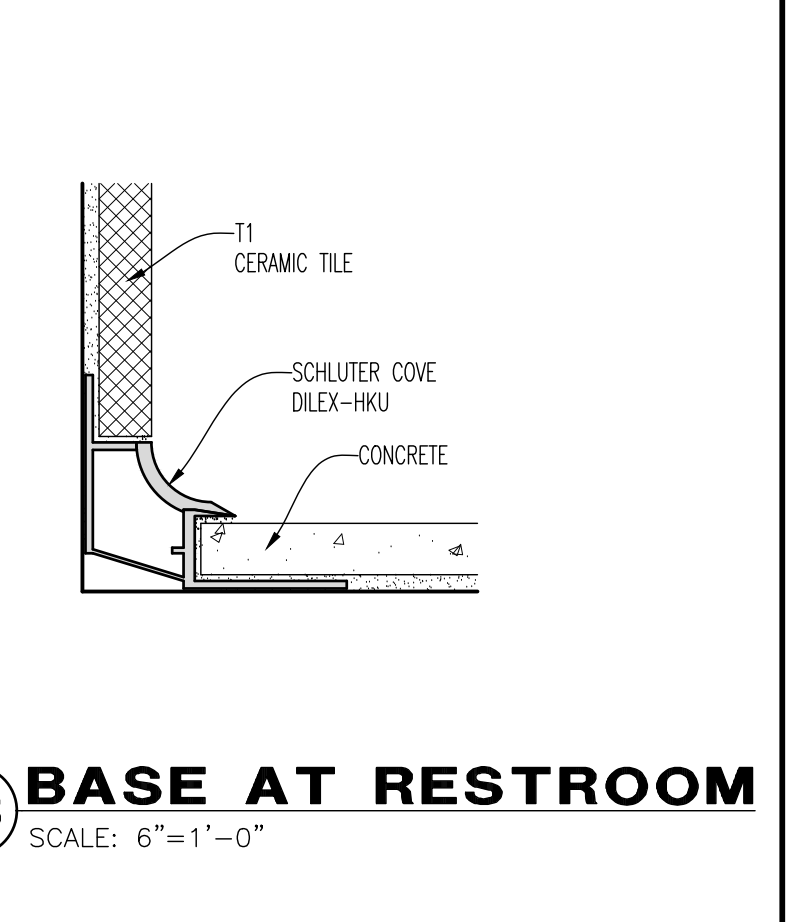
SHEET NUMBER  
**A401**



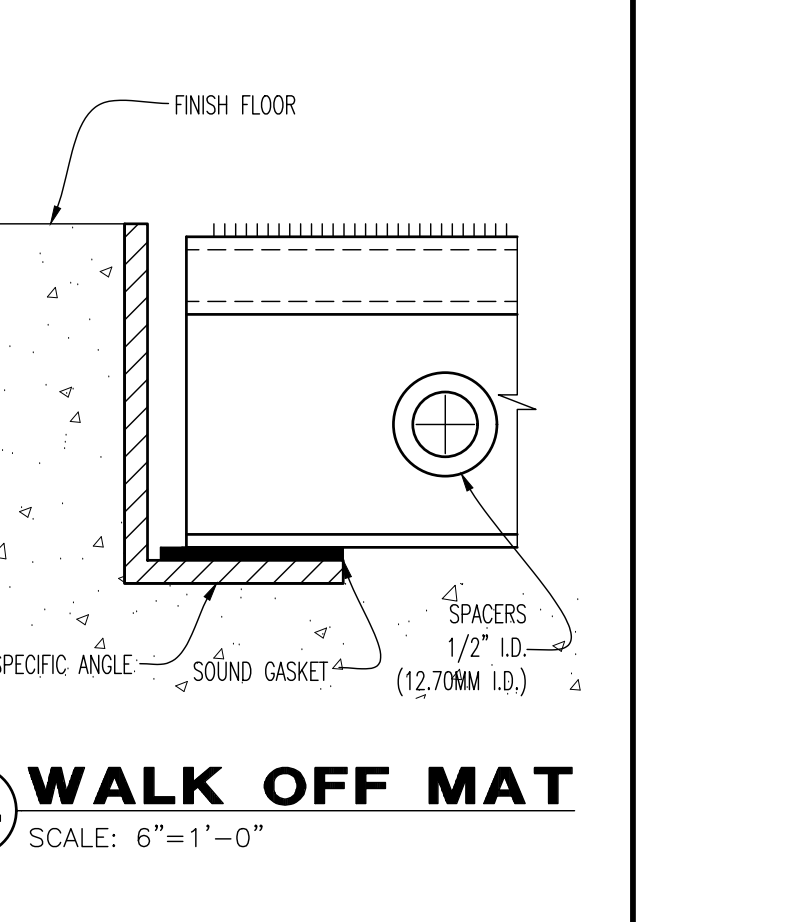
**01 COOLER BASE**  
SCALE: 3" = 1'-0"



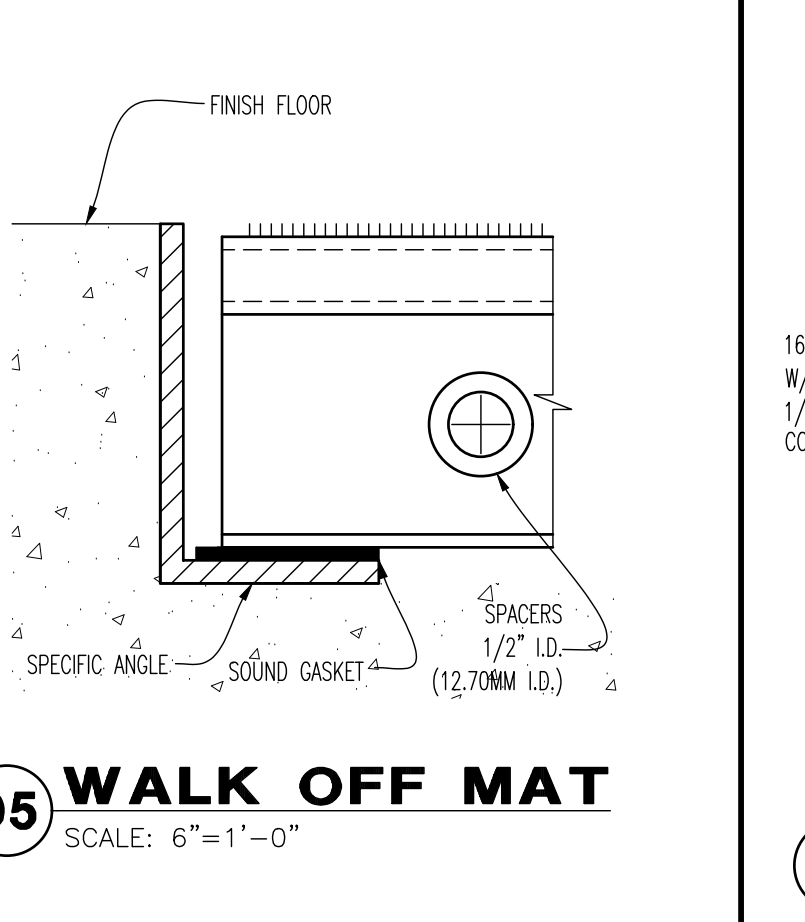
**02 BASE AT CONCRETE**  
SCALE: 3" = 1'-0"



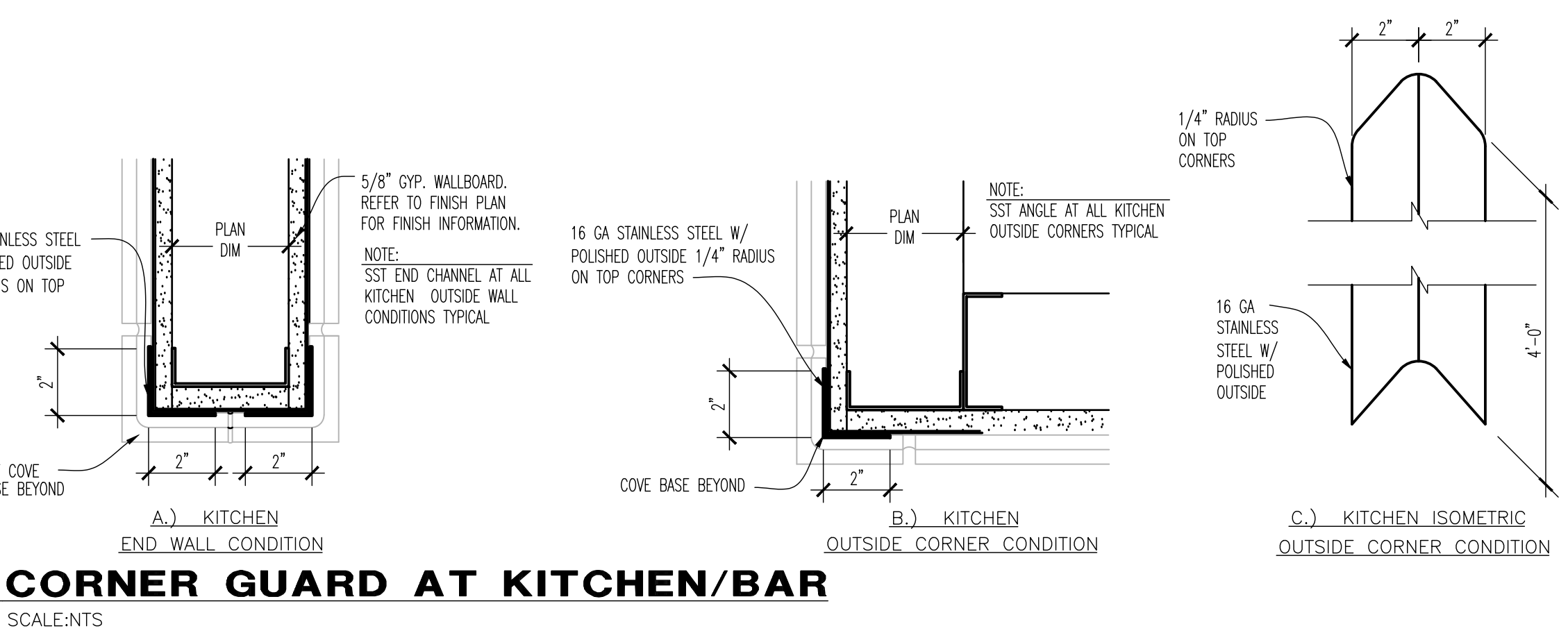
**03 BASE AT RESTROOM**  
SCALE: 6" = 1'-0"



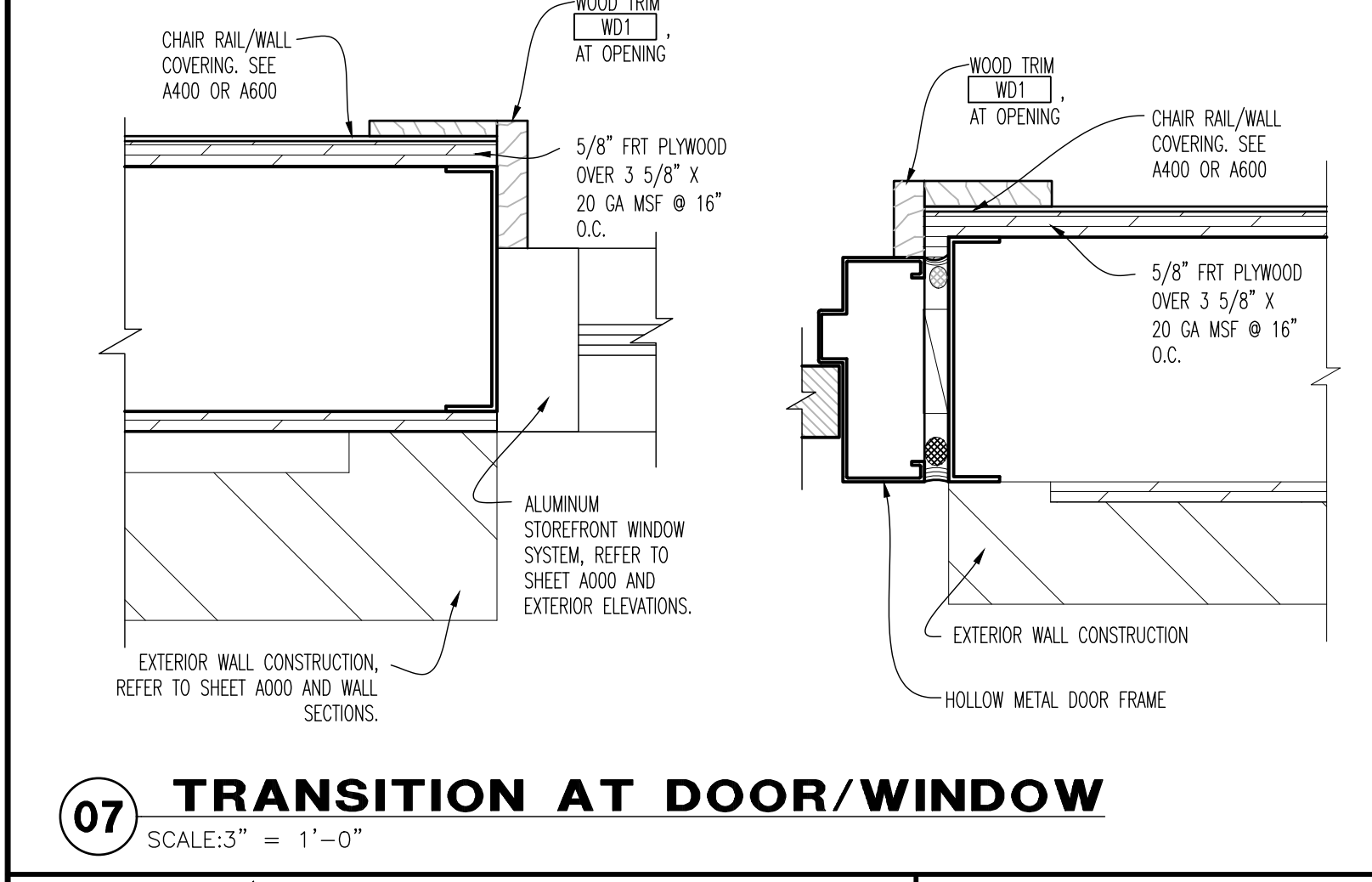
**04 WALK OFF MAT**  
SCALE: 6" = 1'-0"



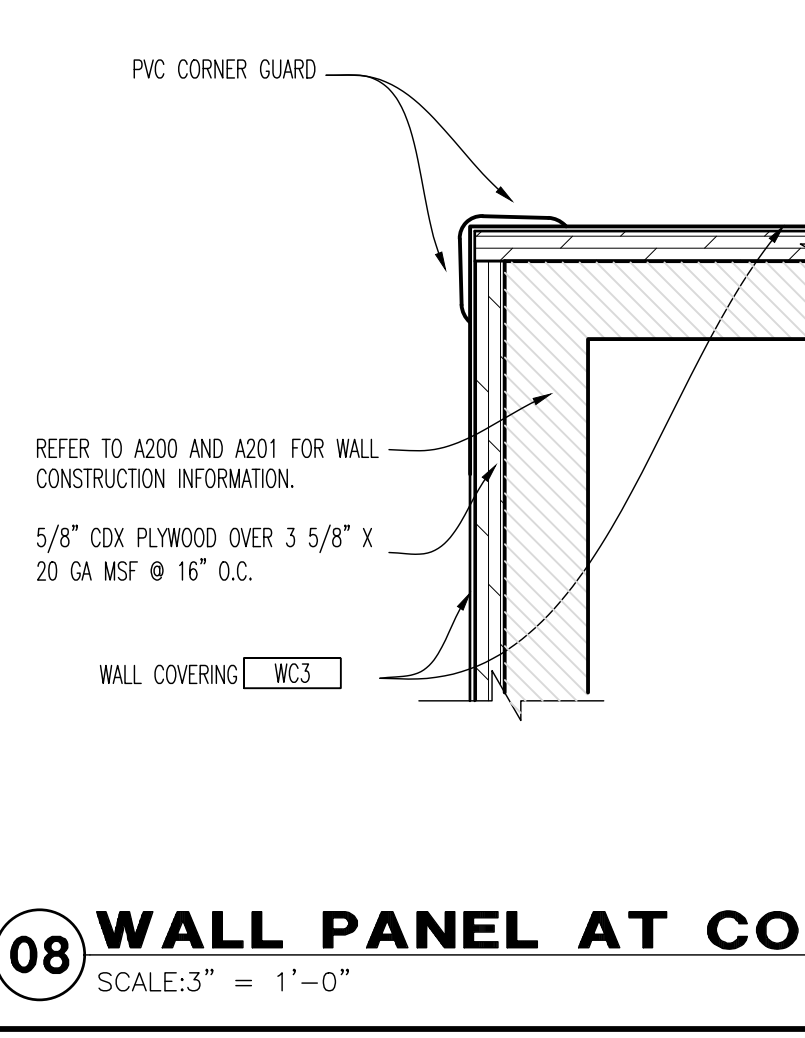
**05 WALK OFF MAT**  
SCALE: 6" = 1'-0"



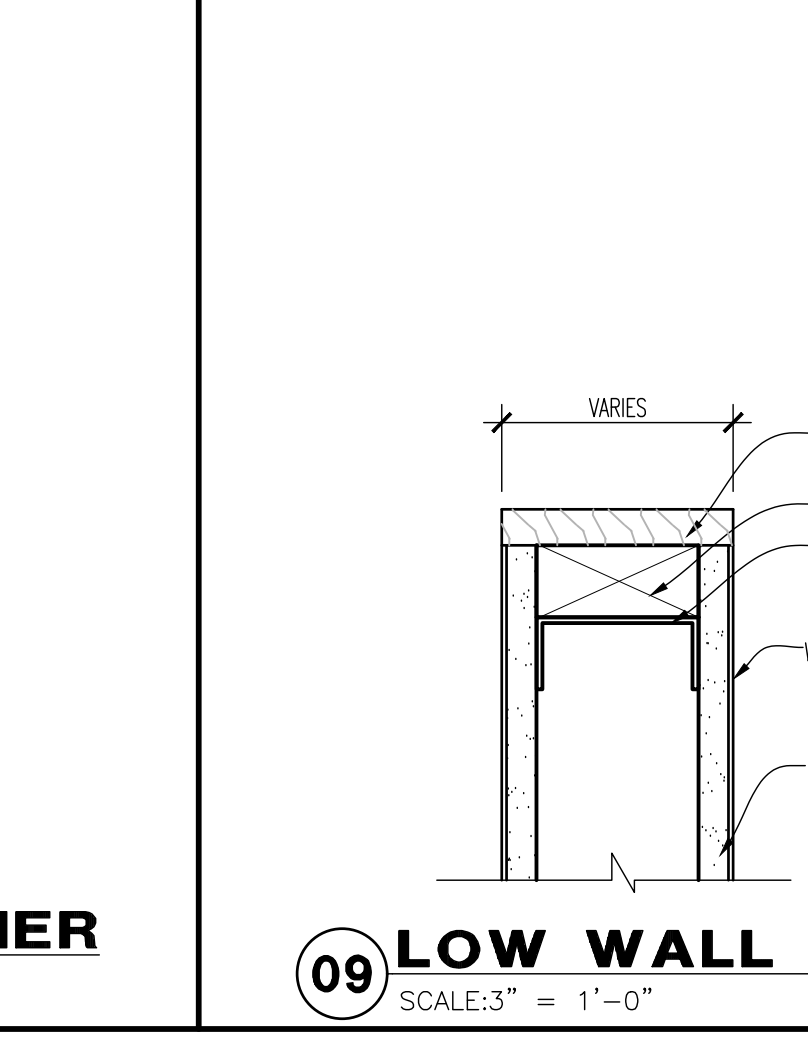
**06 CORNER GUARD AT KITCHEN/BAR**  
SCALE: 1/8" = 1'-0"



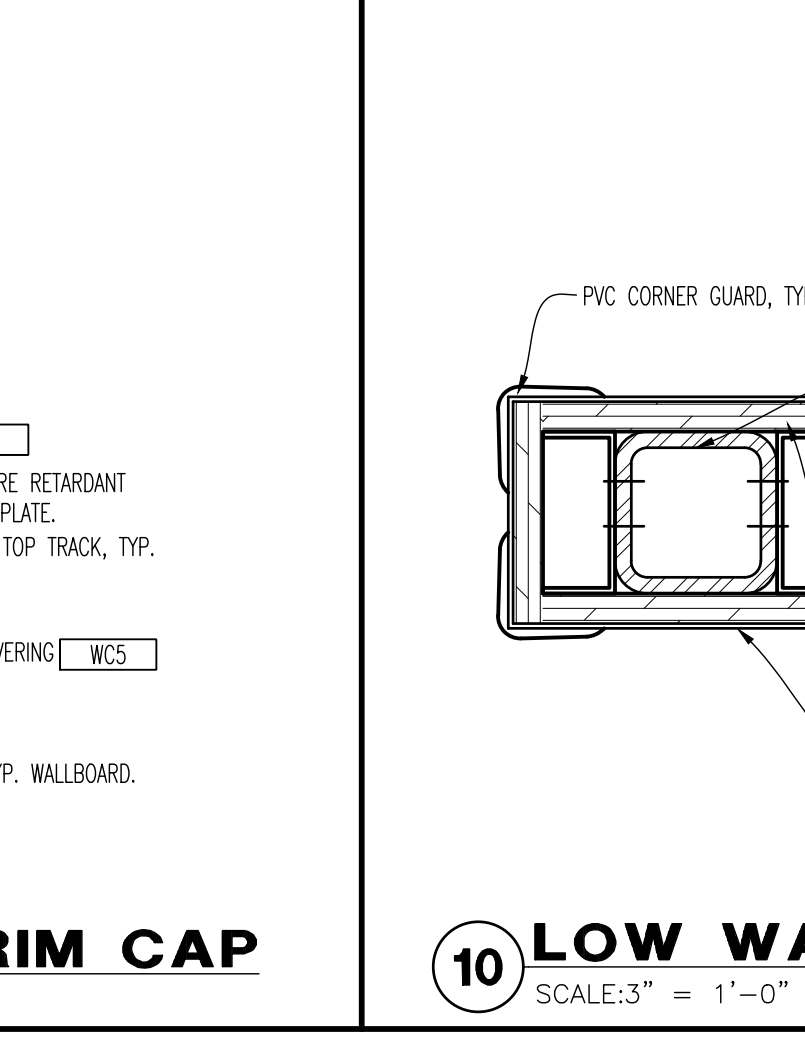
**07 TRANSITION AT DOOR/WINDOW**  
SCALE: 3" = 1'-0"



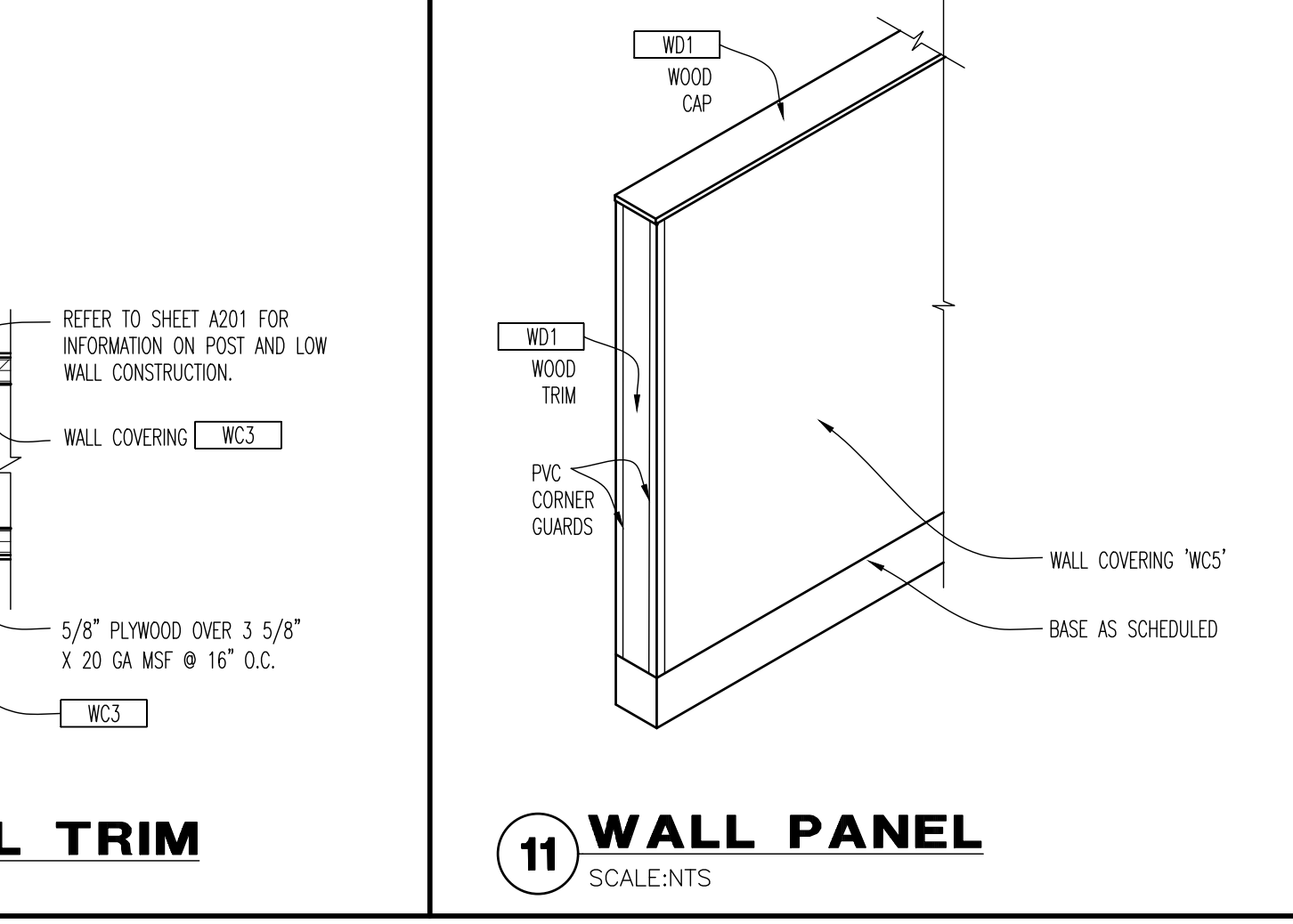
**08 WALL PANEL AT CORNER**  
SCALE: 3" = 1'-0"



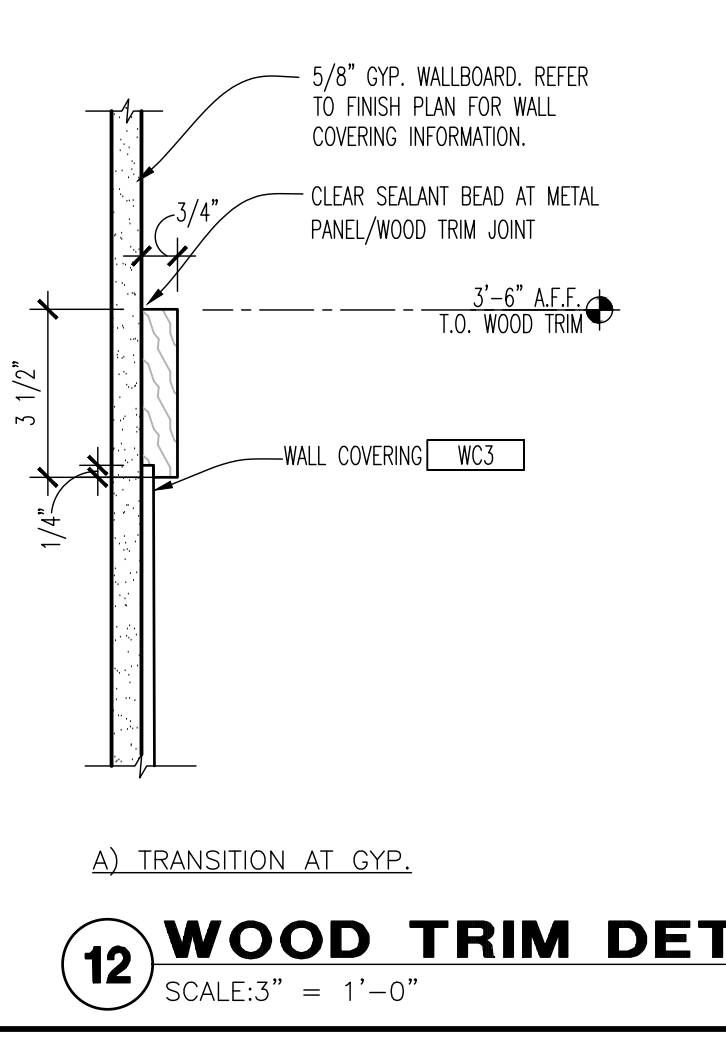
**09 LOW WALL TRIM CAP**  
SCALE: 3" = 1'-0"



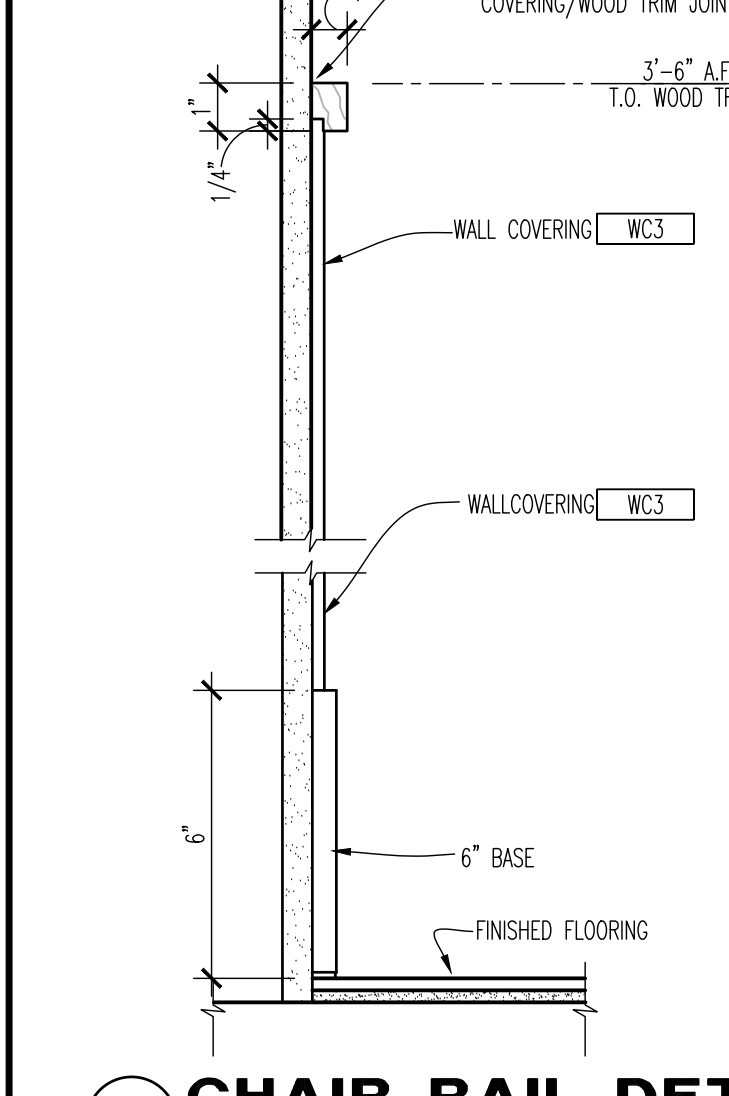
**10 LOW WALL TRIM**  
SCALE: 3" = 1'-0"



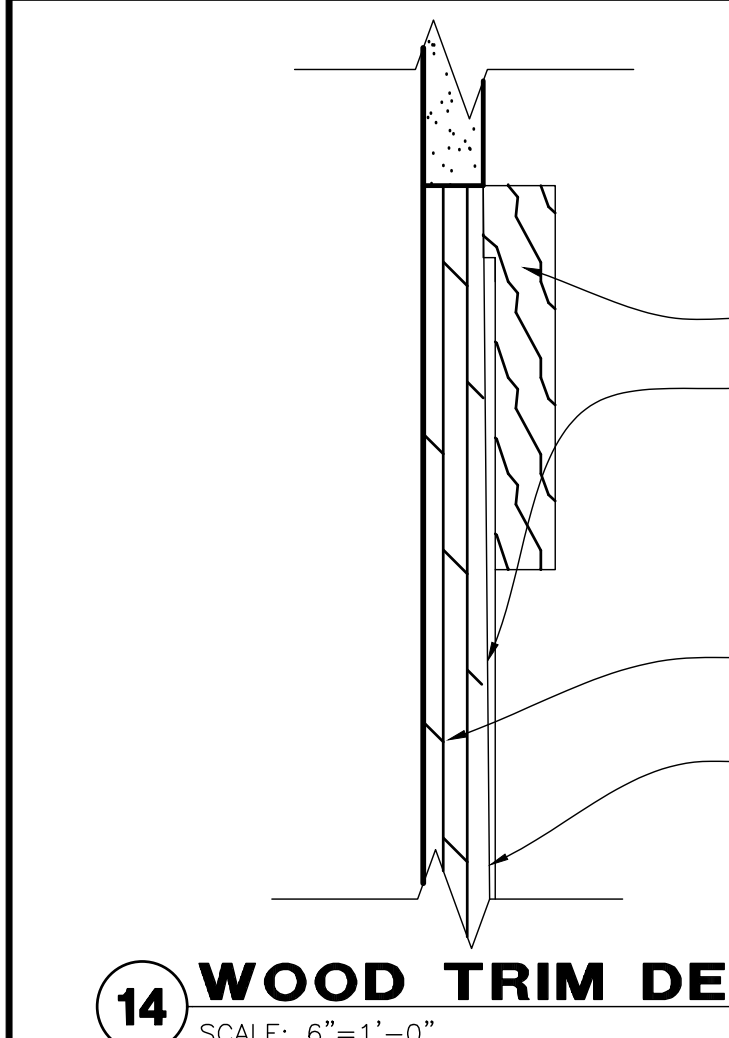
**11 WALL PANEL**  
SCALE: 1/8" = 1'-0"



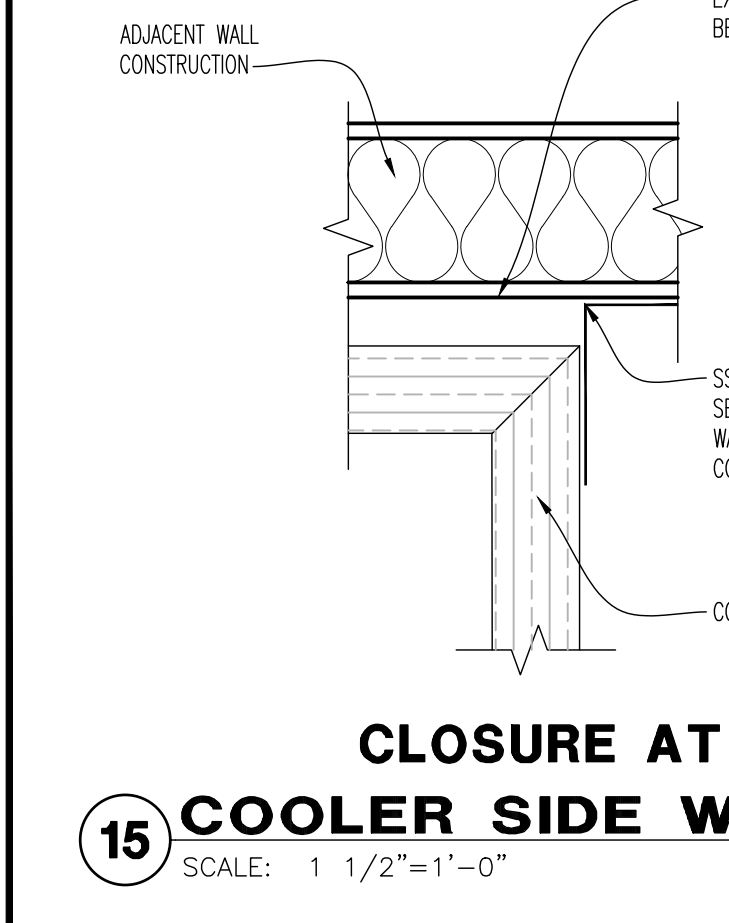
**12 WOOD TRIM DETAIL**  
SCALE: 3" = 1'-0"



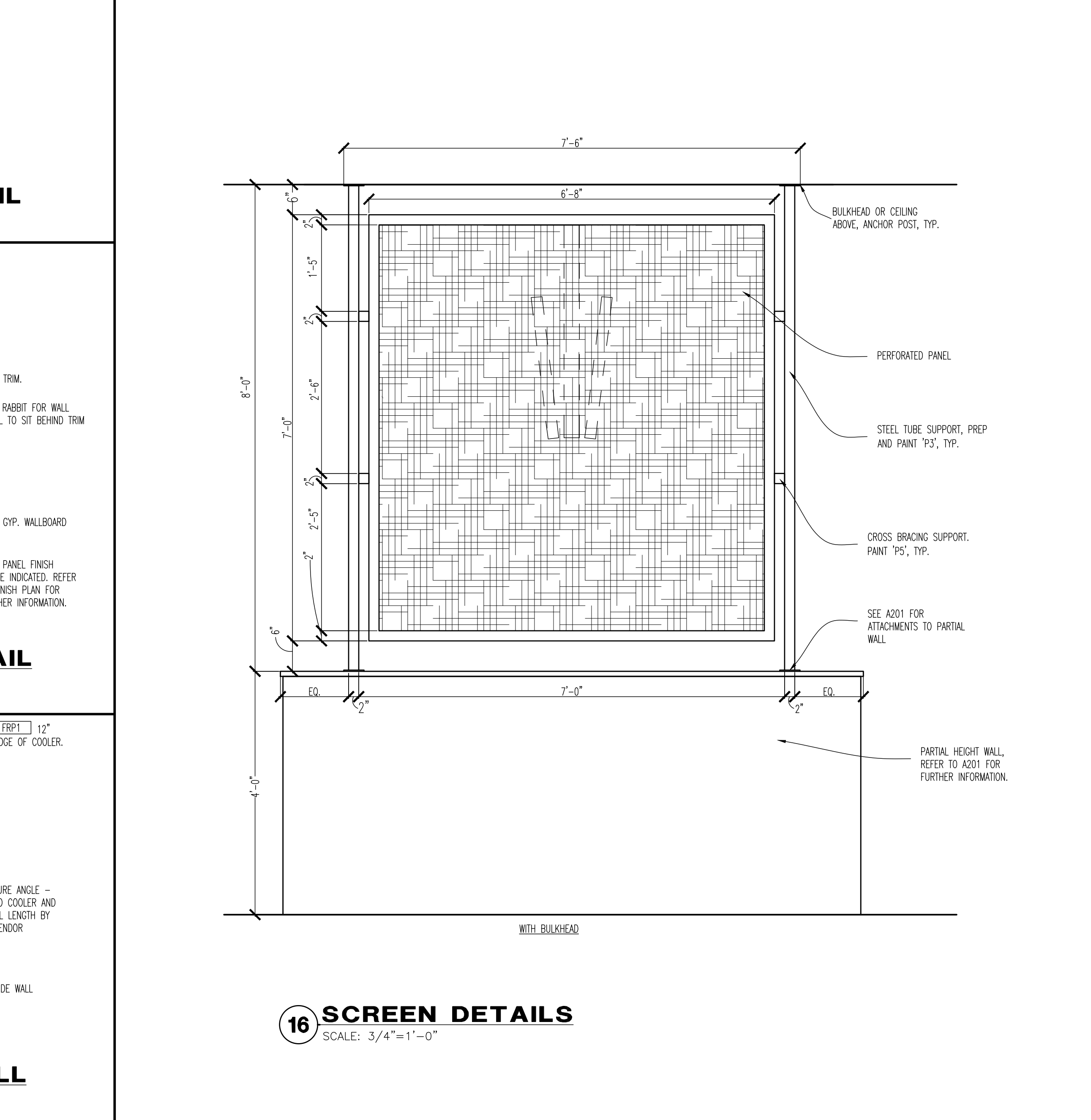
**13 CHAIR RAIL DETAIL**  
SCALE: 3" = 1'-0"



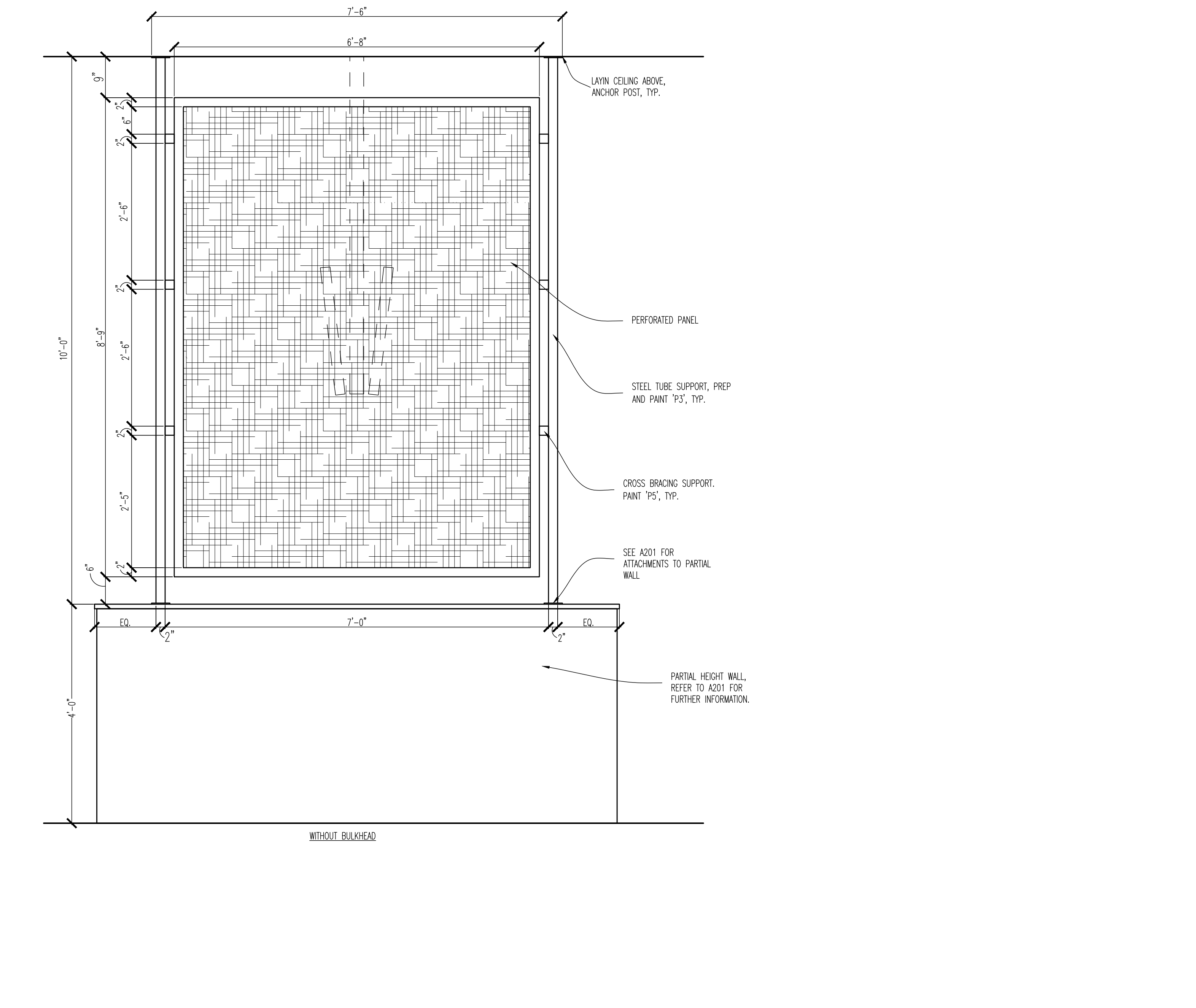
**14 WOOD TRIM DETAIL**  
SCALE: 6" = 1'-0"



**15 CLOSURE AT COOLER SIDE WALL**  
SCALE: 1 1/2" = 1'-0"



**16 SCREEN DETAILS**  
SCALE: 3/4" = 1'-0"



**16 SCREEN DETAILS**  
SCALE: 3/4" = 1'-0"

ORIGINAL PRINT SIZE - 30 X 42

EXTERIOR FINISH SCHEDULE							
MARK	MATERIAL	LOCATION	MANUFACTURER	PRODUCT	DESCRIPTION	DIMENSION	ADDITIONAL INFORMATION
WB3	TREX WOOD	ENTRY TOWER	TREX	COMPOSITE WOOD DECKING	HAWAII GOLD		
BR1	BRICK	FAÇADE	BELOEN	DART-TEX FULL BRICK C216 STANDARD FINISH 01, MORTAR LEHIGH FLAMINGO, COLOR: SOFT WHITE, OHIO RIVER MASONRY SAND	ALASKA WHITE		FOLLOW MANUFACTURER'S RECOMMENDATIONS OF CLEANING PRODUCTS. SURE KLEAN VANA TROL OR EACO CHEM NMD 80
BR2	BRICK	FAÇADE	BELOEN	DART-TEX FULL BRICK C216 STANDARD FINISH 04, MORTAR FLAMINGO BROMANT X-25, COLOR: SOFT WHITE, OHIO RIVER MASONRY SAND	ASHBERRY VELOUR		FOLLOW MANUFACTURER'S RECOMMENDATIONS OF CLEANING PRODUCTS. SURE KLEAN VANA TROL OR EACO CHEM NMD 80
CEM1	COLORLED CEMENT FOR MORTAR	WHITE BRICK	LEHIGH FLAMINGO	COLORLED CEMENTS	SOFT WHITE		3/8" TOOLED VEE JOINT WITH BR1 - SURE KLEAN VANA OR EACO CHEM NMD 80
CEM2	COLORLED CEMENT FOR MORTAR	BASE BRICK	FLAMINGO BROMANT	COLORLED CEMENTS	CHARCOAL X-25		3/8" TOOLED VEE JOINT WITH BR1 - SURE KLEAN VANA OR EACO CHEM NMD 80
CONC1	STAINED CONCRETE	PATIO	SCOFIELD	LITHOCHROME CHEMSTAIN SEALER	CS-16 FADED TERACOTTA CLEAR		NOTE: LITHOCHROME CHEMSTAIN PRODUCES AN UNEVEN MOTTLED COLOR SIMILAR TO THAT OF TIME WORN CONCRETE. FOR NEW CONCRETE INSTALLATIONS USE LITHOCHROME COLOR HARDENER BEFORE THE APPLICATION OF CHEMSTAIN SOLUTION. ALWAYS REFER TO MANUFACTURER'S INSTRUCTIONS PRIOR TO PREPARING CONCRETE FOR STAIN. REFER TO MANUFACTURER'S SALES REP FOR APPROPRIATE PRODUCTS AND INSTALLATION RECOMMENDATIONS. NOTE: CONTRACTOR TO CHOOSE SEALING AGENT - CURASEAL - (W) OR (S) BASED ON STATE REQUIREMENTS
EF51	EXTERIOR INSULATION FINISH SYSTEM	FAÇADE	DRYVIT SYSTEMS, INC	SANDPEBBLE DPR FINISH TEXTURE HIGH PERFORMANCE COLORANT	CUSTOM COLOR TO MATCH 'P5' SW 6885 KNOCKOUT ORANGE		CONTACT: BOB DAZEL AT DRYVIT SYSTEMS 734-243-9301 NOTE: REFER TO MANUFACTURER'S REP FOR PRODUCTS & INSTALLATION RECOMMENDATIONS
EF52	EXTERIOR INSULATION FINISH SYSTEM	FAÇADE	DRYVIT SYSTEMS, INC	306 510 MEDIUM SAND FINISH	CUSTOM COLOR TO MATCH 'P2' SW 2735 ROCKWEED		CONTACT: BOB DAZEL AT DRYVIT SYSTEMS 734-243-9301 NOTE: REFER TO MANUFACTURER'S REP FOR PRODUCTS & INSTALLATION RECOMMENDATIONS
EF53	EXTERIOR INSULATION FINISH SYSTEM	FAÇADE	DRYVIT SYSTEMS, INC	306 510 MEDIUM SAND FINISH	CUSTOM COLOR TO MATCH 'P3' SW 6988 BOHEMIAN BLACK		CONTACT: BOB DAZEL AT DRYVIT SYSTEMS 734-243-9301 NOTE: REFER TO MANUFACTURER'S REP FOR PRODUCTS & INSTALLATION RECOMMENDATIONS
EF54	EXTERIOR INSULATION FINISH SYSTEM	FAÇADE	DRYVIT SYSTEMS, INC	306 510 MEDIUM SAND FINISH	CUSTOM COLOR TO MATCH 'P1' SW 7000 IBS WHITE		CONTACT: BOB DAZEL AT DRYVIT SYSTEMS 734-243-9301 NOTE: REFER TO MANUFACTURER'S REP FOR PRODUCTS & INSTALLATION RECOMMENDATIONS
MP1	METAL PANEL	COPING	PAC-CLAD	TILE-LOC COPING	BONE WHITE		CONTACT: PETERSON ALUMINUM (800)PAC-CLAD WWW.PAC-CLAD.COM
MP2	METAL PANEL	SOFFIT CANOPY	PAC-CLAD	TILE-LOC COPING	DARK BRONZE ANNOXIDIZED		CONTACT: PETERSON ALUMINUM (800)PAC-CLAD WWW.PAC-CLAD.COM
PC1	EXTERIOR POWDERCOAT		PETERSON ALUMINUM	PRISMATIC POWDERS	PWB-6495		http://www.pristalco.com/powder-coating-colors/
SF1	STOREFRONT	GENERAL	KAWNEER OR EQUAL		#40 DARK BRONZE		CONTACT: IAN RUS AT THE KAWNEER COMPANY, INC (440)448-0900

FINISH SCHEDULE							
MARK	DESCRIPTION	MANUFACTURER	LIST #	PRODUCT	DESCRIPTION	ADDITIONAL INFORMATION	ADDITIONAL INFORMATION
A1	ACRYLIC	ACRYLITE	2	REFLECTIONS MIRROR			SINGLE SIDED POLY. FACE FINISH IS HIGH GLOSS EDGES ARE TO BE SMOOTH, NO EDGES ARE TO BE EXPOSED
AC11	LAY-IN CEILING TILE	ARMSTRONG	1	ITEM# 895	CHARCOAL	24" X 24"	FUSED, SQUARE LAY-IN, SMOOTH TEXTURE PRELUES SUSPENSION SYSTEM
AC2	LAY-IN CEILING TILE	ARMSTRONG	1	ITEM# 672	BLACK	24" X 24"	FUSED, SQUARE LAY-IN, SMOOTH TEXTURE PRELUES SUSPENSION SYSTEM
AC3	LAY-IN CEILING TILE	ARMSTRONG	1		WHITE	24" X 24"	FUSED, SQUARE LAY-IN, SMOOTH TEXTURE PRELUES SUSPENSION SYSTEM
AC4	LAY-IN CEILING TILE	ARMSTRONG	1		WHITE	24" X 48"	FUSED, SQUARE LAY-IN, SMOOTH TEXTURE PRELUES SUSPENSION SYSTEM
B1	BASE, MILLWORK	JOHNSONITE	3	MW-44-H6	DARK BROWN, 44	6"	MANDALAY W/ STANDARD EDGE, 45 DEGREE CHAMFERTOP
WAT	CARPET, WALK OFF	MATS INC		DR-TRACK	CHARCOAL		INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE A401 FOR RECESSED SLAB DETAIL
C2	CARPET	PATCAF	6	STYLE 10384, DECONSTRUCTED SERIES		BLACK	DECONSTRUCTION BLACK COLLECTION
SC1	POLISHED CONCRETE	RETRO PLATE	33	POLISH PROCESS VARNISH			DIMMING GRID 43 GRID @ 400 GRID ADD RETRO METAL BOND - RETRO PLATE THROUGH 800 RESINS - RETRO GRID VARNISH WITH 1500 GRID DRP PAD - RETRO FELL WITH 1500 VARNISH
FRP1	FIBER REINFORCED PANEL	MARLITE	27	S100, SMOOTH SURFACE	WHITE		FRP SMOOTH FINISH
FRP2	FIBER REINFORCED PANEL	MARLITE	27	S100, SMOOTH SURFACE	BLACK		FRP SMOOTH FINISH
FRP3	FIBER REINFORCED PANEL	MARLITE	27	SYMMETRIX	ORANGE	4' X 10' SHEET	SYMMETRIX FRP - BIG ORANGE PANEL, 6" X 12" BLOCK METER
T1	TILE	LOUISVILLE TILE	31	CONTINENT	DELTA HAZE	12" X 24"	NOTE: USE WITH GR1 - G.C. TO ENSURE 1/8" GROUT LINES
T2	ACCENT TILE	LOUISVILLE TILE	31		WHITE	4" X 8"	STANDARD GLOSS FINISH, NON RECIPIED EDGE, GROUT: GR-1, 1/4" JOINTS
T3	MOSAIC TILE		25	MM MESH MOUNTED MOSAIC	WHITE GLOSS	12" X 12" SHEET	PENNY ROUND, GLAZED FINISH, RECIPIED EDGE, GROUT: GR-1, MOSAIC GROUT WIDTH IS SET ON MESH
T4	PVC CORNER GUARD				BLACK		
P1	PAINT	SHERWIN WILLIAMS	13	WATERBORNE CEILING PAINT	SW 7000 IBS WHITE		INTERIOR PAINT, SELF-PRIMING OVER DRYWALL, FINISH: ULTRA FLAT (50B), ANTI-MICROBIAL
P2	PAINT	SHERWIN WILLIAMS	13	PAINT + PRIMER	SW 2735 ROCKWEED		INTERIOR FINISH: EGGSHELL, MILKWE RESISTANT ; EXTERIOR FINISH: SATIN EXTERIOR GRADE
P3	PAINT	SHERWIN WILLIAMS	13	PAINT + PRIMER	SW 6988 BOHEMIAN BLACK		INTERIOR FINISH: EGGSHELL, MILKWE RESISTANT ; EXTERIOR FINISH: SATIN EXTERIOR GRADE
P4	PAINT	SHERWIN WILLIAMS	13	PAINT + PRIMER	SW 7000 IBS WHITE		INTERIOR FINISH: EGGSHELL, MILKWE RESISTANT ; EXTERIOR FINISH: SATIN EXTERIOR GRADE
P5	PAINT	SHERWIN WILLIAMS	13	PAINT + PRIMER	SW 6885 KNOCK OUT ORANGE		INTERIOR FINISH: EGGSHELL, MILKWE RESISTANT ; EXTERIOR FINISH: SATIN EXTERIOR GRADE
P6	PAINT	SHERWIN WILLIAMS	13	WATERBORNE INTERIOR PAINT	SW 2936 BLACK EMERALD		
P7	PAINT	SHERWIN WILLIAMS	13	CHALKBOARD PAINT	SW 6298 TROICORN BLACK		INTERIOR FINISH: EGGSHELL, MILKWE RESISTANT ; EXTERIOR FINISH: SATIN EXTERIOR GRADE
P8	PAINT	SHERWIN WILLIAMS	13	PAINT PRIMER	SW 2919 DOWNING SLATE		INTERIOR FINISH: EGGSHELL, MILKWE RESISTANT ; EXTERIOR FINISH: SATIN EXTERIOR GRADE
P9	PAINT	SHERWIN WILLIAMS	13	PAINT + PRIMER	SW 6298 TROICORN BLACK		INTERIOR PAINT, SELF-PRIMING OVER DRYWALL, FINISH: ULTRA FLAT (50B), ANTI-MICROBIAL
PL1	PLASTIC LAMINATE	FORMICA	14		5887 NT MILLENIUM OAK		GRADE 12, NATURELLE FINISH
PL2	PLASTIC LAMINATE	FORMICA	14		6402-43 THERMO WALNUT		GRADE 12, ARTISAN FINISH
PL3	PLASTIC LAMINATE	PRONITE	15		MONOLIGHTING PAPER, PATTERN: W0971		50" TEXTURED SLIDE FINISH
PL4	PLASTIC LAMINATE		16		WFOR 2429, PEARLESCENCE SERIES		MILKWORK GRADE, TEXTURED FINISH
BB1	SPECIAL FINISH		21	POLYCRETE	GREY		SELF-PRIMING, NO TOP COAT REQUIRED, ADA COMPLIANT, FF TOPCOAT, MATTE FINISH
SF1	SPECIAL FINISH		22		COLOR TO MATCH 'P1'		SATIN MAP, REFERENCE ALL MANUFACTURER REQUIREMENTS PER SUBSTRATE, SATIN FINISH
SF2	SPECIAL FINISH		22		COLOR TO MATCH 'P2'		SATIN MAP, REFERENCE ALL MANUFACTURER REQUIREMENTS PER SUBSTRATE, SATIN FINISH
SF3	SPECIAL FINISH		22	PROPRIETARY SATIN ACRYLIC	MP0746 BAKED CUMIN		SATIN FINISH
SF4	SPECIAL FINISH		22	POLYURETHANE	COLOR TO MATCH 'P5'		SATIN MAP, REFERENCE ALL MANUFACTURER REQUIREMENTS PER SUBSTRATE, SATIN FINISH
SS1	SOLID SURFACE			8002	SITON GRANITE		MATTE FINISH
M2	PERFORATED ALUMINUM METAL PANEL	HI MACS	12		BRUSHED ALUMINUM		160, 3/16" STAGGERED, ALL EXPOSED METAL EDGES ARE TO BE SMOOTH, BRUSHED FINISH
M3	PERFORATED ALUMINUM METAL PANEL		12		PAINTED SF3		160, 3/16" STAGGERED, ALL EXPOSED METAL EDGES ARE TO BE SMOOTH, SMOOTH PAINTED FINISH
MEL1	MELAMINE		10	THERMALLY FUSED MELAMINE DECORATIVE PANEL	CANADIAN GREY 168		EDGES ARE NEVER TO BE LEFT EXPOSED, EDGEBANDING IS PREFERABLE, DOLomite FINISH
WC1	VINYL WALL COVERING	WOLF GORDON	26	SERIES	SER 7-7412 'ROYAL'		52" WIDTH
WC2	VINYL WALL COVERING	WOLF GORDON	26	SERIES	SER 7-7403 'SHELLEY'		52" WIDTH
WC3	PLASTIC LAMINATE	WILSONART	18	STANDARD FINISH	WEBB OAK 17013		
WC4	PLASTIC LAMINATE	WILSONART	18	STANDARD FINISH	PHANTOM PEARL 8211K-28		
WC5	PLASTIC LAMINATE	WILSONART	18	STANDARD FINISH	LANDMARK WOOD 7891K-12		
WD1	WOOD	SHERWIN WILLIAMS	13	WOOD STAIN	SHER-WOOD; S608		PROTECTIVE SEALER TO BE ADDED TO PROTECT STAIN AND MOISTURE TO INCREASE DURABILITY. SPECIES: WALNUT
G1	GROUT		9	TEC POWER GROUT	S39 WST		CEMENT ADHESIVE 82925PM, POWER GROUT CAN ACCOMMODATE ANY WIDTH 1/16" TO 1/2" WIDE, REFER TO TILE PRODUCT SPECS FOR MANUFACTURER'S RECOMMENDATION.
WP1	WALL PANEL	CP	32	WALL PANEL SYSTEM	CUSTOM		CONTACT VENDOR BELOW.

FINISH NOTES	
1.	ALL INTERIOR WALL CEILING FINISHES SPECIFIED SHALL NOT BE LESS THAN CLASS 'C' AS REQUIRED BY TABLE 803.5, GROUP A2, SPRINKLERED.
2.	CARPET SPECIFIED SHALL BE CLASS 1 AS TESTED IN ACCORDANCE WITH THE DOC FF-1 PILL TEST.
3.	G.C. TO VERIFY W/ OWNER, PROJECT MANAGER AND HEALTH DEPARTMENT, PRIOR TO INSTALLING BLACK FRP.
4.	THE G.C. SHALL BE RESPONSIBLE FOR PROPER PREPARATION OF ALL NEW AND EXISTING SURFACES IN A SATISFACTORY MANNER TO RECEIVE NEW FINISHES. THIS INCLUDES THE DEMOLITION AND REMOVAL OF NECESSARY ITEMS, TOUCH-UP AND/OR REFINISH OF SURFACES DAMAGED BY SUBSEQUENT WORK SHALL BE THE RESPONSIBILITY OF THE G.C. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDED INSTALLATION METHODS. THE G.C. SHALL PREPARE THE EXISTING FLOOR PRIOR TO THE APPLICATION OF FINISH FLOORING. THE EXISTING CONCRETE SLAB MUST BE SMOOTH AND LEVEL TO WITHIN A TOLERANCE OF 1/8" PER FOOT. LATEX CEMENT PATCHING COMPOUND SHALL BE UTILIZED (NO ASPHALT BASED COMPOUNDS).
5.	ALL SURFACES WHICH ARE TO RECEIVE A PAINT FINISH SHALL BE PRIME AND FINISHED IN ACCORDANCE WITH THE WRITTEN SPECIFICATIONS.
6.	ALL JOINTS IN OSB/MD BOARD WALLS SHALL BE FINISHED WITH PAPER TAPE 2" WIDE AND THREE COATS OF VINYL, DRY OR PRIMERED JOINT COMPOUND. ALL OUTSIDE CORNERS SHALL BE FINISHED WITH METAL CORNER BEADS, TAPED AND SPACKLED. ALL AREAS TO BE PAINTED SHALL BE SANDED SMOOTH. JUST PRIOR TO THE APPLICATION OF THE FIRST COAT OF PAINT, WIRE SANDED SURFACES WITH A DAMP CLOTH IN ORDER TO LAY FLAT ANY PAINT WHICH MAY HAVE FORMED IN SANDING.
7.	THE PAINT CONTRACTOR SHALL REMOVE ALL HARDWARE, SWITCH COVERS, ETC. PRIOR TO PAINTING AND BE RESPONSIBLE FOR THE INSTALLATION AFTER PAINTING IS COMPLETED.
8.	FINISH FLOORING INSTALLATION SHALL BE IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDED INSTALLATION GUIDELINES. COORDINATE INSTALLATION WITH OTHER TRADES, SUCH AS ELECTRICAL.
9.	ALL JOINTS BETWEEN MATERIALS TO BE JOINED AND CONSTRUCTED IN NEAT WORKMANLIKE MANNER.
10.	ALL FINISHES SHALL BE TOUCHED UP TO CORRECT ANY IMPERFECTIONS AFTER INSTALLATION. FIXTURE CONTRACTOR SHALL PROVIDE TO THE GENERAL CONTRACTOR ALL MATERIALS FOR TOUCH UP WORK.
11.	THE INTENT OF THE FINISH SPECIFICATION IS TO PROVIDE A SATISFACTORY FINISH TO ALL PARTS OF THE WORK. COVER ALL SURFACES THOROUGHLY. IF THE SPECIFIED NUMBER OF COATS DOES NOT ACCOMPLISH THE INTENT, THE G.C. SHALL BE RESPONSIBLE FOR THE APPLICATION OF ADDITIONAL COATS OF THE SPECIFIED MATERIAL TO ONE SATISFACTORY COVERAGE, AT NO ADDITIONAL COST TO OWNER.
12.	VINYL TILE INSTALLATION SHALL BE FREE OF BUCKLES, JOINTS OR IMPERFECTIONS. SEAMS SHALL BE IN PERFECT ALIGNMENT ALONG BOTH COORDINATES. UPON COMPLETION, PROVIDE FIFTEEN FULL EXTRA TILES FOR FUTURE TENANT USE.
13.	CLEAN ALL GLASS SURFACES WITH LIQUID GLASS CLEANER AT PROJECT COMPLETION.
14.	PAIN ALL DOORS AND JAMBS, SEAM GLOSS IN COLOR TO MATCH ADJACENT FINISH - WHERE OCCURS, UNLESS OTHERWISE NOTED.
15.	PAINT EXPOSED STRUCTURE, DUCTWORK, INSIDE OF DIFFUSERS, PIPING, SALES AREA SAME AS ADJACENT WALL COLOR.
16.	REFERENCE SPECIFICATIONS FOR COMPLETE FINISH DOCUMENTATION AND MANUFACTURER INSTALLATION AND MAINTENANCE DOCUMENTATION.
17.	REFER TO SHEETS A51 THROUGH A58 FOR FULL SPECIFICATIONS.

FINISH MANUFACTURER LIST					
1. ARMSTRONG COMMERCIAL CEILING SYSTEMS MONTY GILLESPIE PHONE: 513-309-5464 EXT. 6110 EMAIL: M.GILLESPIE@ARMSTRONGCEILING.COM	8. BURCH FABRICS PAT STEVENS PHONE: 513-460-6434 EMAIL: PATRICIA@BURCHFABRICS.COM	15. PANOLAM SURFACE SYSTEMS JULIE ULLRICH PHONE: 877-726-6626 CELL: 631-477-7837 EMAIL: JULIE_ULLRICH@PANOLAM.COM	23. CREATIVE MATERIALS CORPORATION DOUG SALATINO PHONE: 518-713-5371 CELL: 518-281-8264 EMAIL: DSALATINO@CREATIVEMATERIALSCORP.COM	30. AMERICAN FLOOR MATS WWW.AMERICANFLOORMATS.COM	
2. DOWNE ROB HOY PHONE: 800-631-5384 CELL: 215-805-7490 EMAIL: ROB.HOY@DOWNE.COM	9. FLORIDA TILE JANN GARDIN PHONE: 513-824-1791 EMAIL: JANN.GARDIN@FLORIDATILE.COM	16. LAMBERT 1670 BEECHWOOD RD SCHAMBERG, IL 62173 ASHLEY WYATT PHONE: 847-860-4380 CELL: 714-537-6859 EMAIL: AWYATT@LAMBERT.COM	24. DAITLE 4650 LAKE FOREST DRIVE, SUITE 540 CINCINNATI, OH 45241 MARSHA MCCALLEY PHONE: 513-759-8275 CELL: 513-460-1168 EMAIL: MARSHAMCCALLEY@DAITLE.COM	31. LOUISVILLE TILE ROBIN DUBAN PHONE: 513-703-5801 WWW.LOUISVILLE-TILE.COM	
3. INKETT 30000 AURORA RD, SOLON, OHIO 44139 SCOTT STEREMER PHONE: 800-899-8916 EMAIL: SCOTT.STEREMER@JOHNSONITE.COM	10. UNIBOARD CHRIS WATERS PHONE: 800-263-5240 CELL: 614-323-9349 WWW.UNIBOARD.COM	17. GPC EDWARDS COATINGS JIM HESTER PHONE: 972-488-9635 CELL: 972-741-2716 EMAIL: JHESTER@SPECIFICGPC.COM	25. HOME DEPOT WWW.HOMEDEPOT.COM	32. CP TOM RICHARDSON PHONE: 513-874-9925 X209 TRICHARDSON@CPRETAIL.COM	
4. ENDICOTT THIN BRICK & TILE, LLC 57120 70TH RD, ENDICOTT, NE 68350 PHONE: 402-729-3315 CELL: 215-805-7490 WWW.ENDICOTT.COM	11. KAWNEER TIM MOYER PHONE: 800-773-3700 CELL: 216-904-1373 WWW.KAWNEER.COM	18. WILSONART DORNA HIRSHAD PHONE: 800-736-3524 CELL: 513-295-0380 EMAIL: DORNA.HIRSHAD@WILSONART.COM	26. WOLF GORDON 333 SEVENTH AVE, NEW YORK, NY 10001 NATALIE KNEZEVIC PHONE: 800-347-0550 CELL: 502-200-3762 EMAIL: NATALIE.KNEZEVIC@WOLFGORDON.COM	33. ENDURACRETE EDDIE MILLER PHONE: 859-283-3647 EMILLER@USENET	
5. MATS INC. 179 CAMPANELLI PARKWAY, STOUGHTON, MA 02072 MARK SADANUSIS PHONE: 800-631-5384 EXT. 216 EMAIL: MSAIDANUSIS@MATSGROUP.COM	12. HARRINGTON & KING PERFORATING COMPANY MARK VERDICO PHONE: 800-621-3869 CELL: 773-782-1082 EMAIL: MVERDICO@H&KPERF.COM	20. SYNTHETIC TILE INTERNATIONAL OF CINCINNATI PHONE: 800-405-7455 EMAIL: INFO@SYNTHETIC-TILE.COM	27. TIM PINNOW PHONE: 330-343-6621		
6. PATPAT COMMERCIAL FLOORING THERESA SCHNEIDER PHONE: 800-241-6014 CELL: 513-805-1070 EMAIL: THERESA.SCHNEIDER@PATPAT.COM	13. BENJAMIN MOORE THERESA SCHNEIDER PHONE: 866-708-9181 CELL: 330-353-3850 EMAIL: THERESA.SCHNEIDER@BENJAMINMOORE.COM	21. DUR-A-FLEX DORNA HIRSHAD PHONE: 877-251-5418 EMAIL: CONTACT_US@DUR-A-FLEX.COM	28. READING BOOKS PHONE: 800-842-6466 WWW.READINGBOOKS.COM		
7. INTERIOR SUPPLY INC. 222 CIRCLE FREEWAY DRIVE, CINCINNATI, OHIO 45246 JEE SANDROW PHONE: 888-565-4743 EMAIL: JESANDROW@ISINC.COM	14. FORMICA CORPORATION 10155 READING ROAD, CINCINNATI, OHIO 45241 JENNIFER SULLIVAN PHONE: 614-264-7768 EMAIL: JENNIFER.SULLIVAN@FORMICA.COM	22. MATHEWS PAINT 760 PITTSBURG DRIVE, DELAWARE, OHIO 43015 MARC WROBE PHONE: 800-323-6593 CELL: 303-506-6665 EMAIL: MWR@MWPFG.COM	29. PANTHEON TILE PHONE: 877-737-3742 WWW.PANTHEONTILE.COM		

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**BUFFALO WINGS AND RINGS**  
720 BYPASS ROAD  
CAMPBELLVILLE, KY 42718



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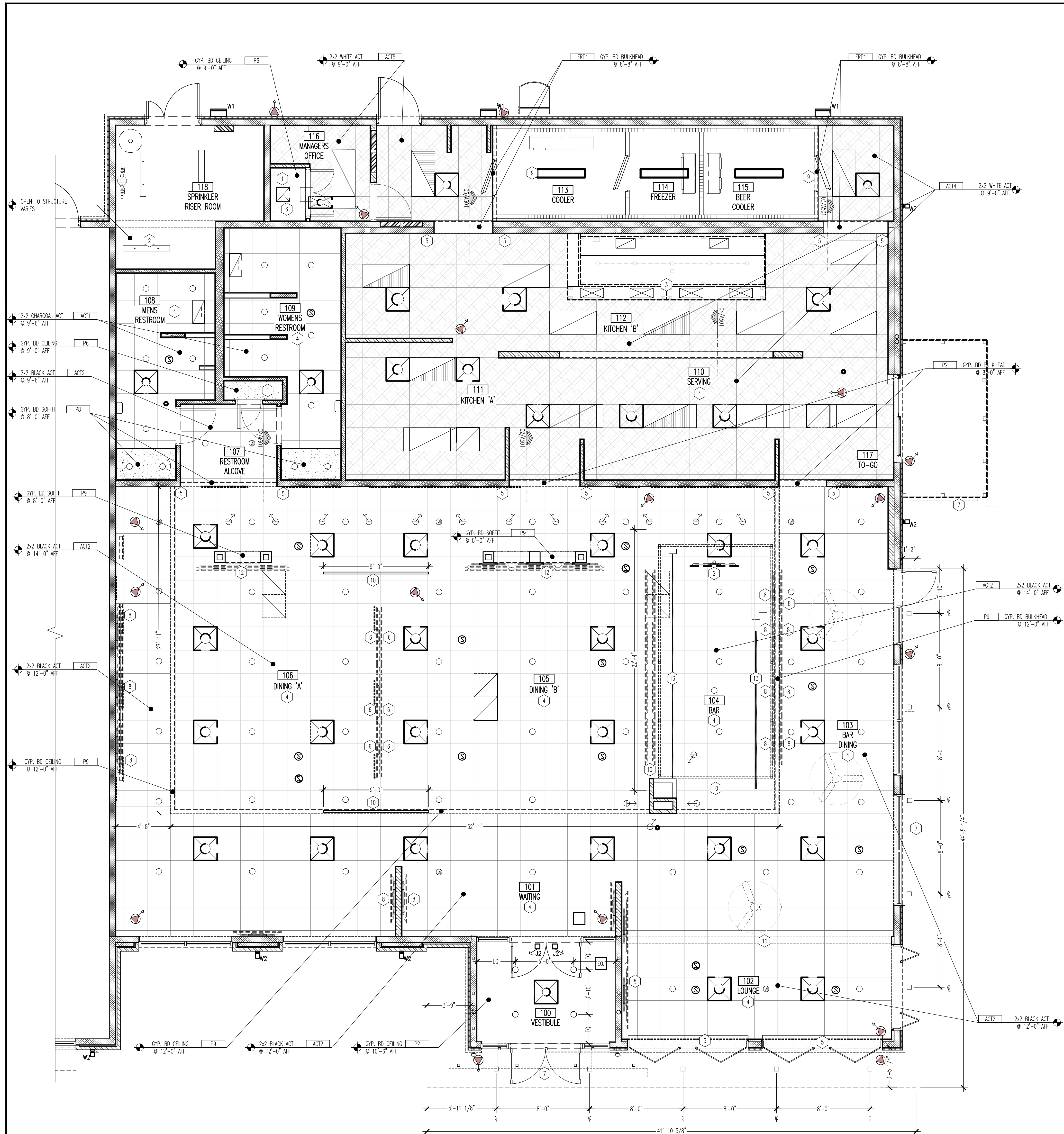
**FINISH SCHEDULES**  
SCALE: NONE  
Drawn By: CJB Checked: JLD

**PROJECT NUMBER**  
20-0501

**SHEET NUMBER**  
A402

**FOR BID ONLY**





**01 REFLECTED CEILING PLAN**  
SCALE: 1/4"=1'-0"

CEILING FINISHES	
ACT1	2X2 ACOUSTICAL CEILING TILE - CHARCOAL
ACT2	2X2 ACOUSTICAL CEILING TILE - BLACK
ACT3	2X2 ACOUSTICAL CEILING TILE - WHITE
ACT4	2X4 VINYL CEILING TILE - WHITE
GYP BD	GYPSON BOARD CEILING
COOLER	COOLER / FREEZER CEILING BY COOLER MANUFACTURER - OPEN ABOVE COOLER / FREEZER

NOTE: SEE FINISH SCHEDULE ON SHEET A403 FOR ADDITIONAL INFORMATION

- ### GENERAL NOTES
- CONTRACTOR TO STUDY AND COMPARE THE REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR LUMINAIRES, DIFFUSERS, AND GRILLES. REPORT TO THE ARCHITECT ANY ERROR, INCONSISTENCY, OR OMISSION DISCOVERED.
  - CONTRACTOR TO VERIFY/ PROVIDE ACCESS PANELS OF APPROPRIATE SIZE AND TYPE ARE INSTALLED IN GYP BD CEILING/ SOFFITS, ANY NON ACCESSIBLE CEILING, OR SOFFITS WHERE ACCESS, SERVICE, OR ADJUSTMENTS TO MECHANICAL, ELECTRICAL, OR PLUMBING ITEMS MAY BE REQUIRED.
  - SPRINKLER HEADS, DIFFUSERS, INCANDESCENT LUMINAIRES, AND OTHER SURFACE-MOUNTED OR RECESSED CEILING ITEMS SHALL BE LOCATED IN THE CENTER OF THE CEILING PANELS, UNLESS NOTED OTHERWISE.
  - SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR INFO AND SPECS CONCERNING FIXTURES SHOWN ON THIS PLAN.
  - WHERE GYP BD SOFFIT OR BULKHEAD OCCURS WITH SUSPENDED CEILING, EXTEND AND PAINT GYP. BD. TO 6" MIN. ABOVE SUSPENDED CEILING.
  - CEILING TYPES AND FINISHES, SEE FINISH SCHEDULE ON SHEET A403.
  - INSULATING PIPE WRAP W/HARD PAINTABLE FINISH ON ALL ROOF DRAINS AND PIPING THAT RUN THROUGH SPACE.
  - BLACK EMERGENCY LIGHTS TO BE MOUNTED ABOVE 15'-6" BAND BOARD.
  - TV MONITORS AND YOKE BY AV CONTRACTOR, G.C. TO PROVIDE AND INSTALL BLOCKING AS REQUIRED.
  - E.C. TO COORDINATE PENDANT LOCATION WITH CEILING WORK, SHTT LIGHTS TO AVOID HOT SPOTS ON MECHANICAL SYSTEMS.

- ### KEY NOTES
- CLOSET TO HAVE 'L' FIXTURE RUN UP WALL AND BE CONNECTED TO DOOR. REFER TO ELECTRICAL SHEETS.
  - FUTURE TV, G.C. TO ENSURE POWER IS PROVIDED.
  - EXHAUST HOOD, COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.
  - CENTER SUSPENDED GRID TILE IN SPACE.
  - ALUM BULKHEAD/SOFTIT WITH WALL.
  - POLE MOUNTED TV SYSTEM, G.C. TO PROVIDE POWER AND SUPPORT, COORDINATE WITH AV VENDOR.
  - LINE OF SIGNAGE ABOVE - PROVIDE J-BOX, REFER TO MEP DRAWINGS FOR EXACT LOCATION, SEE SHEETS A100 & A101.
  - WALL MOUNTED TV'S: PROVIDE IN WALL BLOCKING FOR WALL MOUNTED TV BRACKET, REFER TO 07/A501 FOR ADDITIONAL INFORMATION.
  - EQUIPMENT SUPPLIER TO PROVIDE ALUMINUM BLANK-OFF PANELS AT COOLER BULKHEAD, G.C. TO PROVIDE NEW SEALANT AS REQUIRED, REFER TO DETAIL 08/001 FOR FURTHER INFORMATION.
  - DECORATIVE FEATURE TO BE INSTALLED AS SHOWN, BETWEEN TV'S, COORDINATE FINAL SPEC WITH OWNER.
  - DASHED LINE INDICATES PARAPET WALL ABOVE, REFER TO EXTERIOR ELEVATIONS AND WALL SECTIONS FOR FURTHER INFORMATION.
  - TV TO BE MOUNTED TO COLUMN, SEE ADD FOR FURTHER INFORMATION, COORDINATE WITH A/V VENDOR AND ELECTRICAL DRAWINGS.
  - UNDER COUNTER BAR LIGHTING, REFER TO ELECTRICAL DRAWINGS.

### SYMBOL LEGEND

	RETURN AIR DIFFUSER - REF MEP DWGS FOR SIZE INFORMATION
	SUPPLY AIR DIFFUSER - REF MEP DWGS FOR SIZE INFORMATION
	EMERGENCY LIGHTS
	SUSPENDED GRID WITH LAY-IN ACOUSTIC CEILING TILE
	SUSPENDED GRID WITH LAY-IN VINYL FACED GYPSON PANELS
	GYPSON BOARD CEILING - SEE A03 FINISH SCHEDULE FOR PAINT COLORS

NOTE: SEE SHEET A501 FOR CEILING DETAILS, REFER TO ELECTRICAL DRAWINGS FOR ALL LUMINAIRE SPECIFICATIONS.

### FIXTURE LEGEND

CALLOUT	SYMBOL	DESCRIPTION	MOUNTING
CF		54" CEILING MOUNTED FAN	SURFACE
EMR		LED LOW-PROFILE, THERMOPLASTIC INTERIOR EMERGENCY LIGHT EMW-WHITE IN KITCHEN AND DINING w/ WHITE CEILING EMB-BLACK IN DINING w/ BLACK CEILING	SURFACE
EMR		WEATHERPROOF REMOTE HEAD EXTERIOR EMERGENCY LIGHT	ABOVE DOOR
EXW		SINGLE FACE EXIT SIGN EMW-WHITE IN KITCHEN AND DINING w/ WHITE CEILING EMB-BLACK IN DINING w/ BLACK CEILING	CEILING/WALL
EXW1		DOUBLE FACE EXIT SIGN EMW1-WHITE IN KITCHEN	CEILING/WALL
P3		4" CHAIN HUNG LINEAR FLUORESCENT	CHAIN HUNG AT 10'-0" AFF.
R1		2X4 RECESSED LENSED FLUORESCENT	RECESSED
L1		6" RECESSED LENSED DOWN LIGHT (WHITE)	RECESSED
L2		6" RECESSED LENSED DOWN LIGHT (BLACK)	RECESSED
S		SPEAKER	RECESSED
C		CAMERA	RECESSED
L6		ADJUSTABLE MONOPOINT TRACK HEAD	SURFACE
L7		ADJUSTABLE MONOPOINT TRACK HEAD	SURFACE
R3a		6" RECESSED LENSED RECESSED EYEBALL	RECESSED
J1		DIRECT INDIRECT WALL WASH LINEAR	RECESSED
J2		FLOOD LIGHT, EXTERIOR RATED, FOR STOREFRONT BACKLIGHT	SURFACE NEMA 3R
R4		6" RECESSED EXTERIOR LENSED DOWN LIGHT	RECESSED
R5		6" RECESSED EXTERIOR LENSED CANOPY LIGHT	RECESSED
T1		EXTERIOR TAPELIGHT, UL LABEL, WET DUTY	MULTI
U1		VAPOR TIGHT UTILITY LIGHT	WALL MOUNTED
W1		EXTERIOR LED WALL PACK	WALL MOUNTED
W2		3" SQUARE WALL MOUNT EXTERIOR UP/DOWN FIXTURE BRONZE COLORED HOUSING	WALL MOUNTED
W3		3" SQUARE WALL MOUNT EXTERIOR UP/DOWN FIXTURE SAND COLORED HOUSING	WALL MOUNTED

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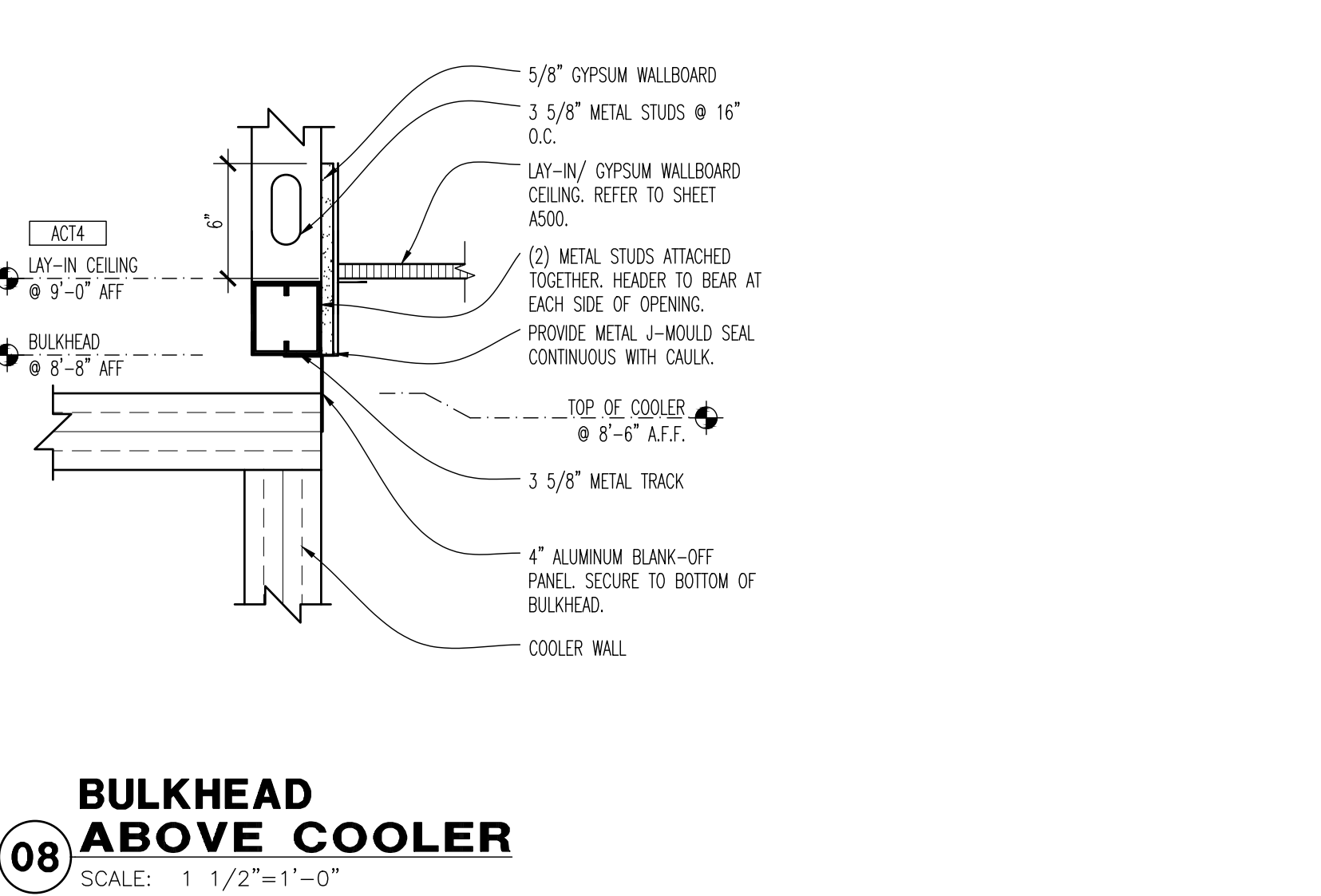
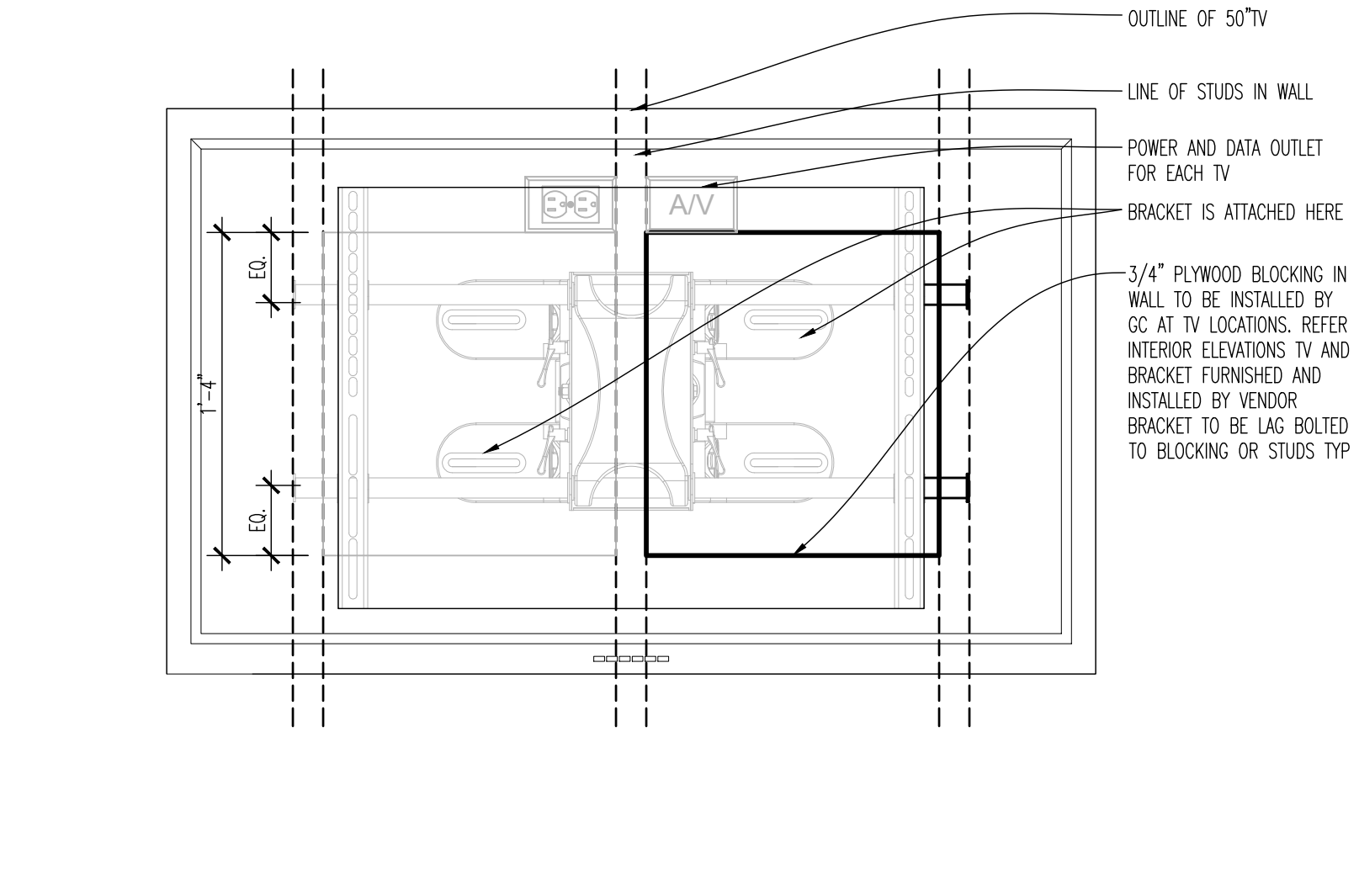
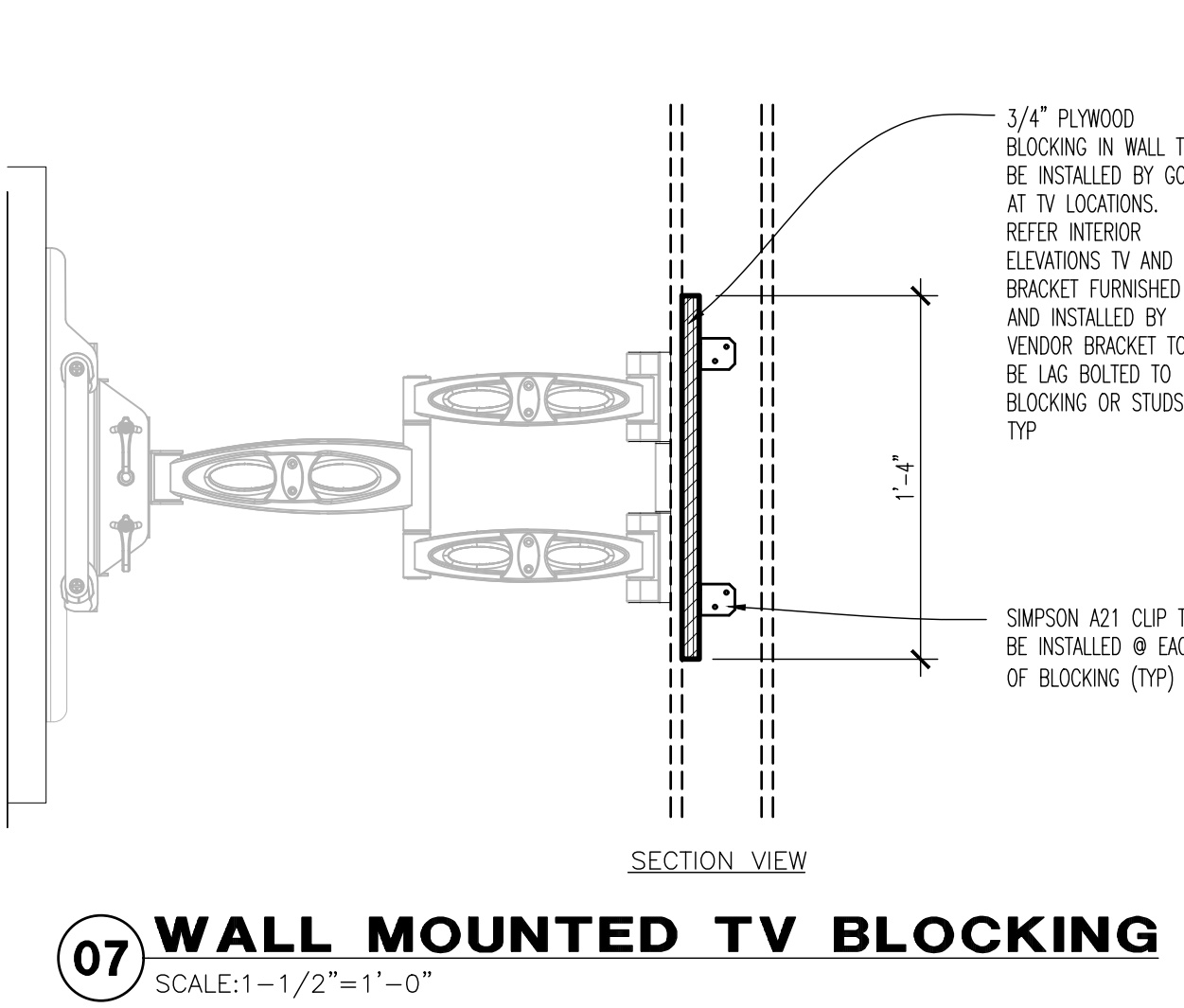
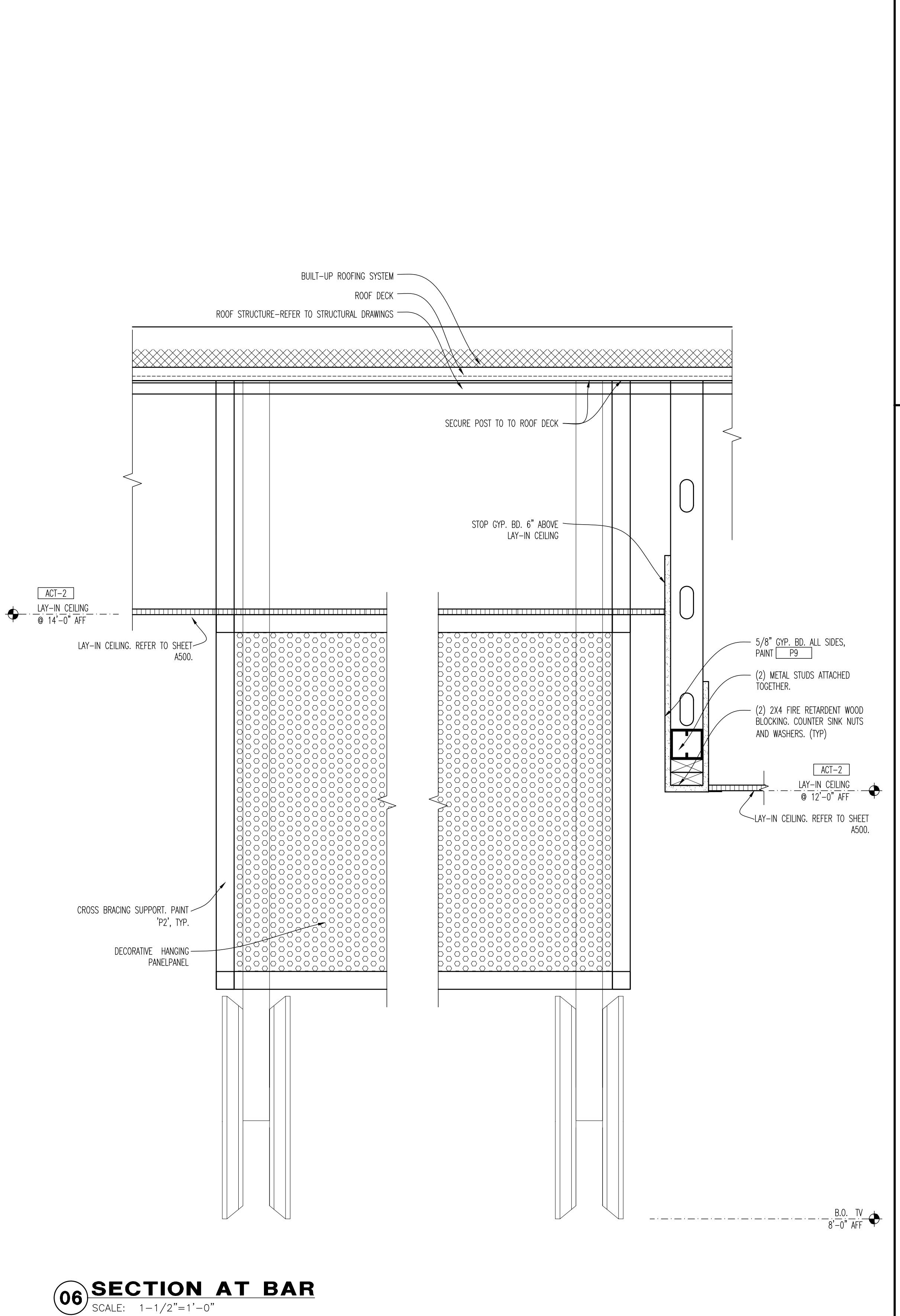
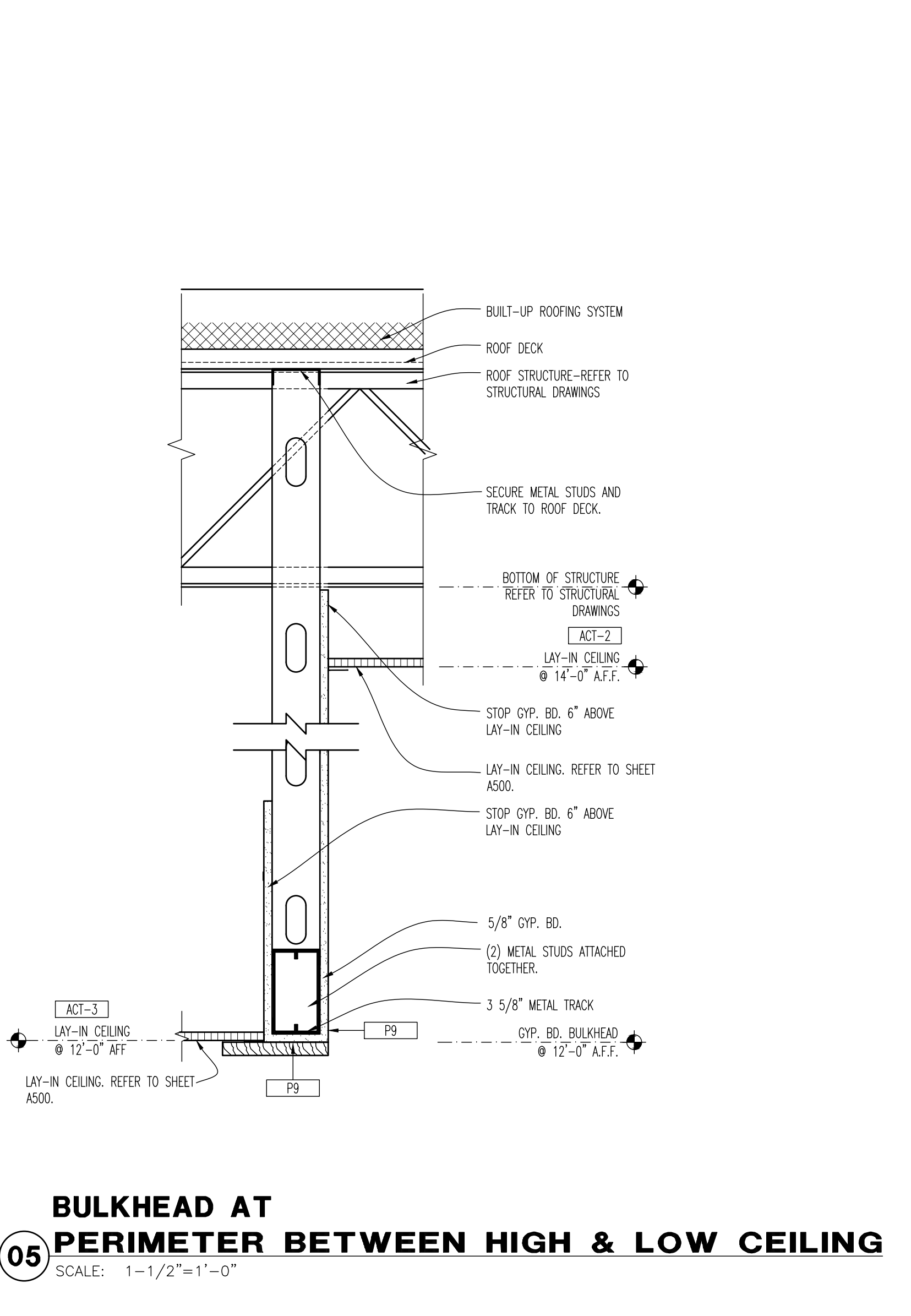
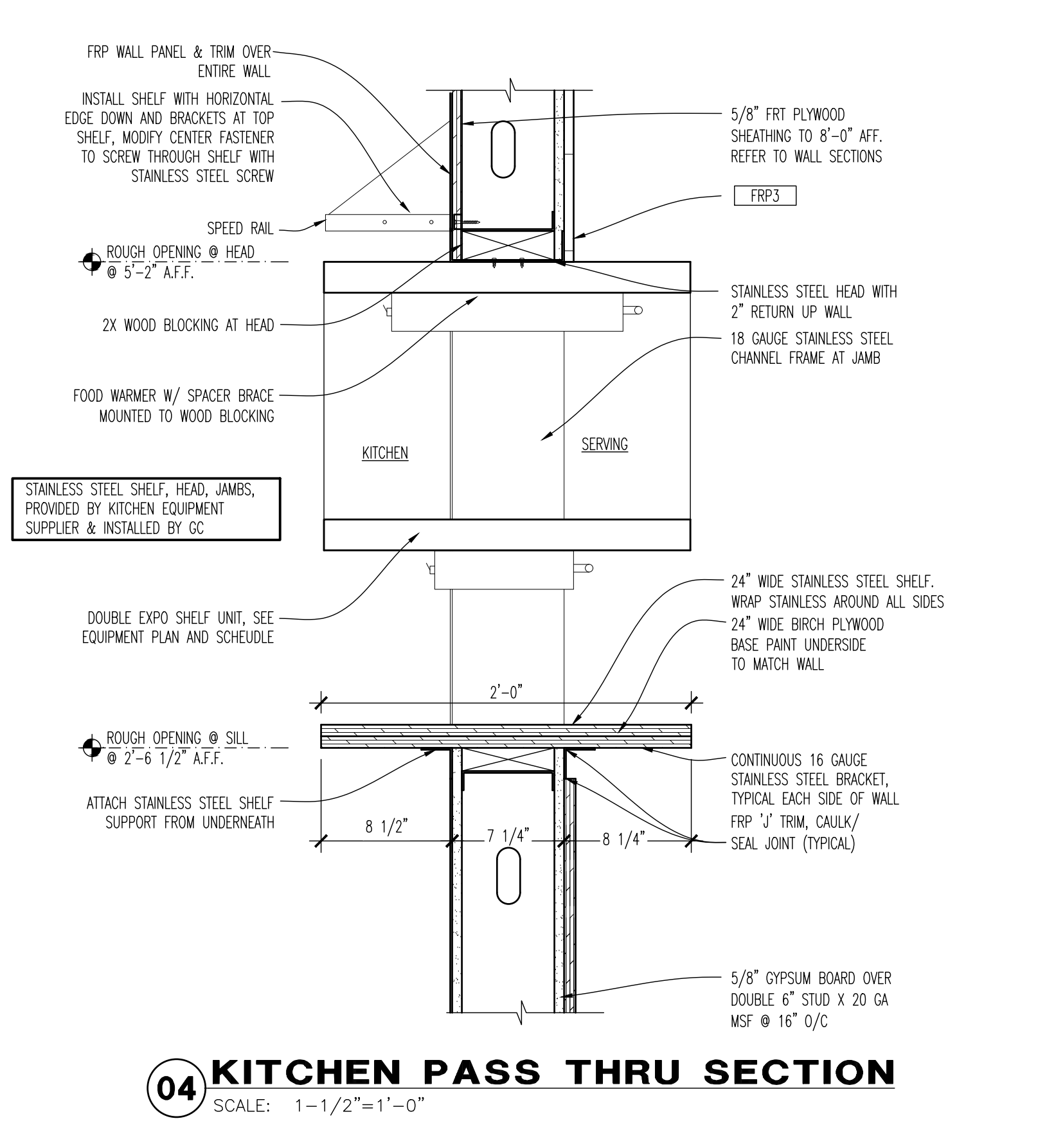
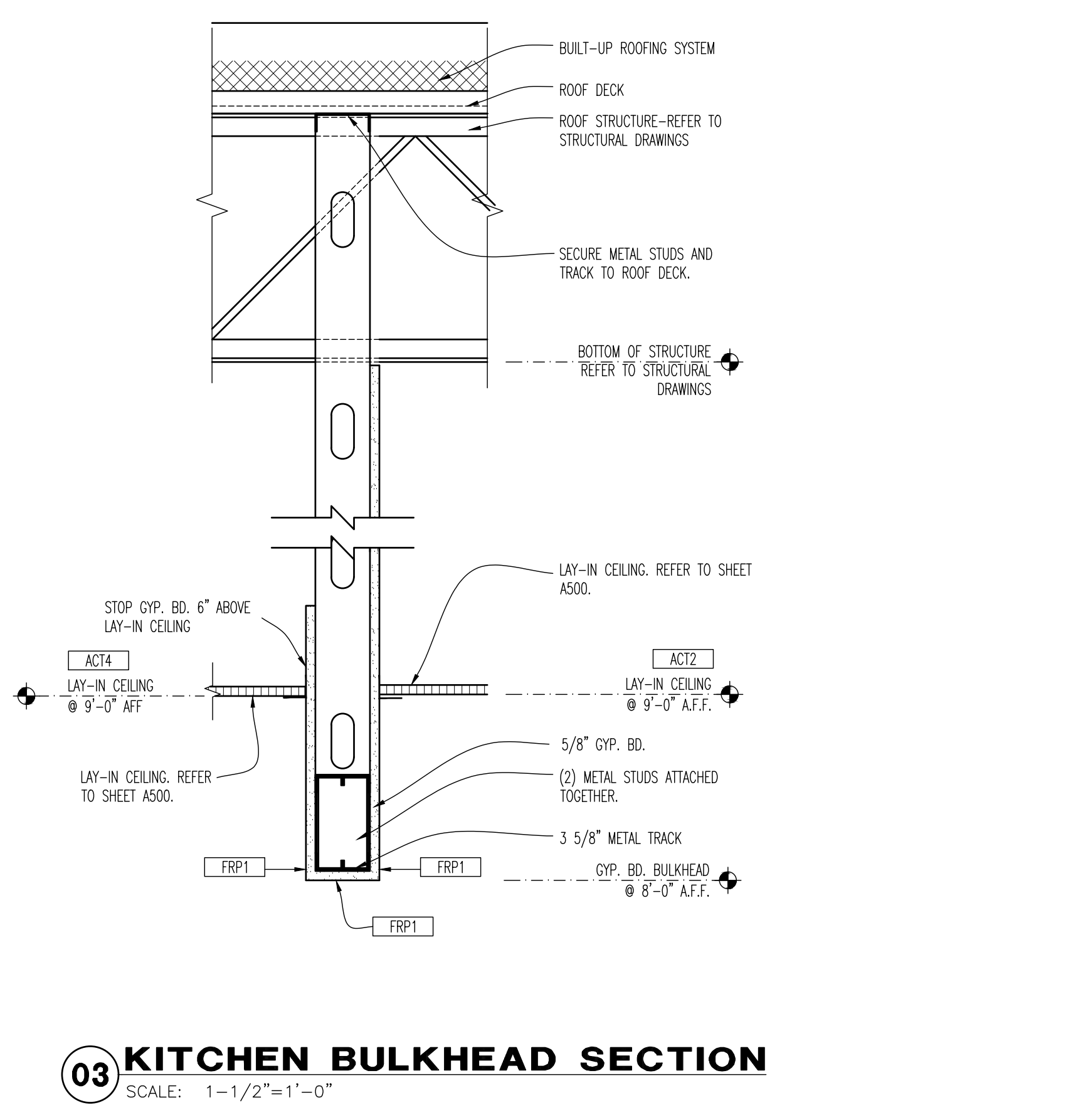
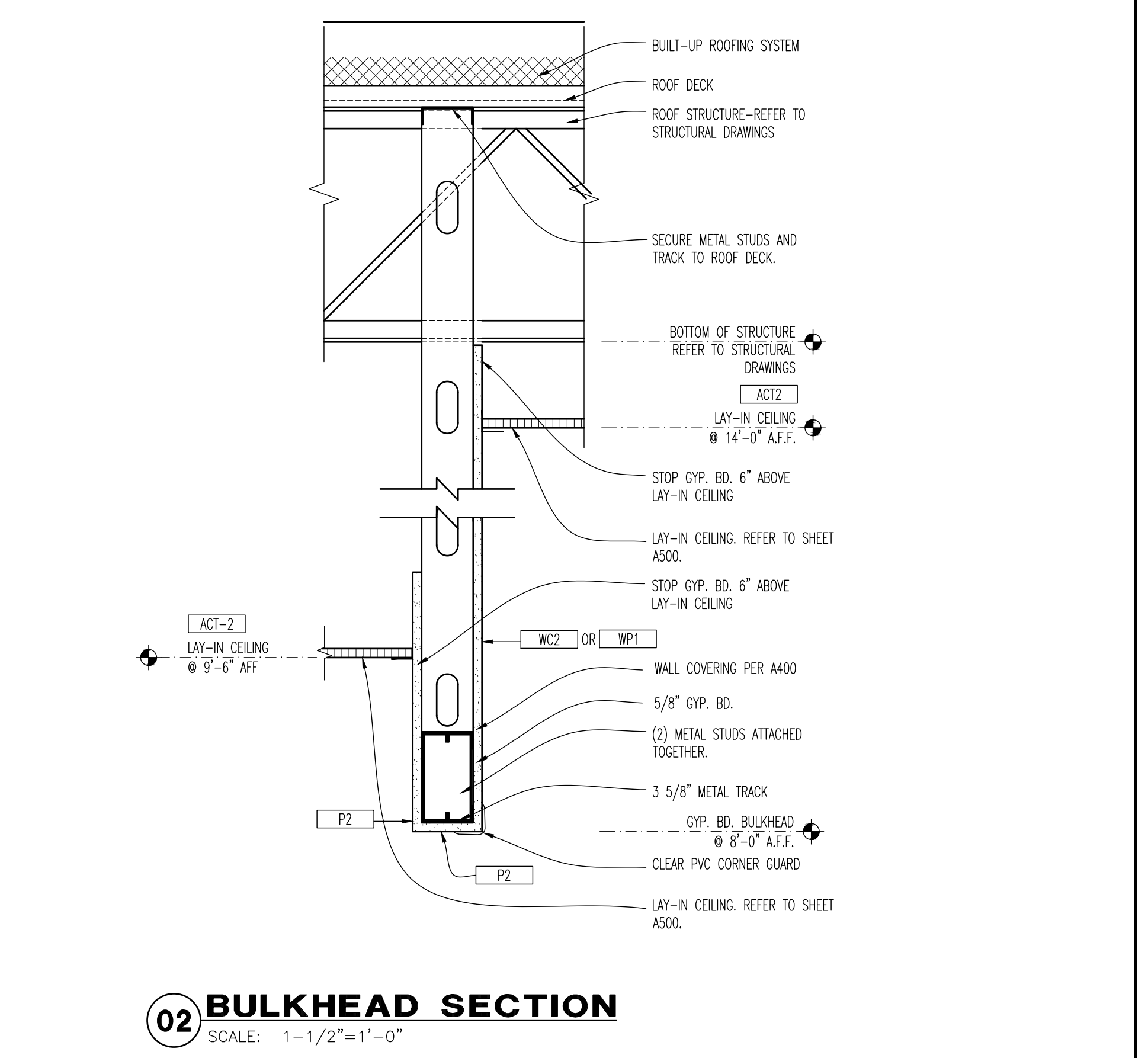
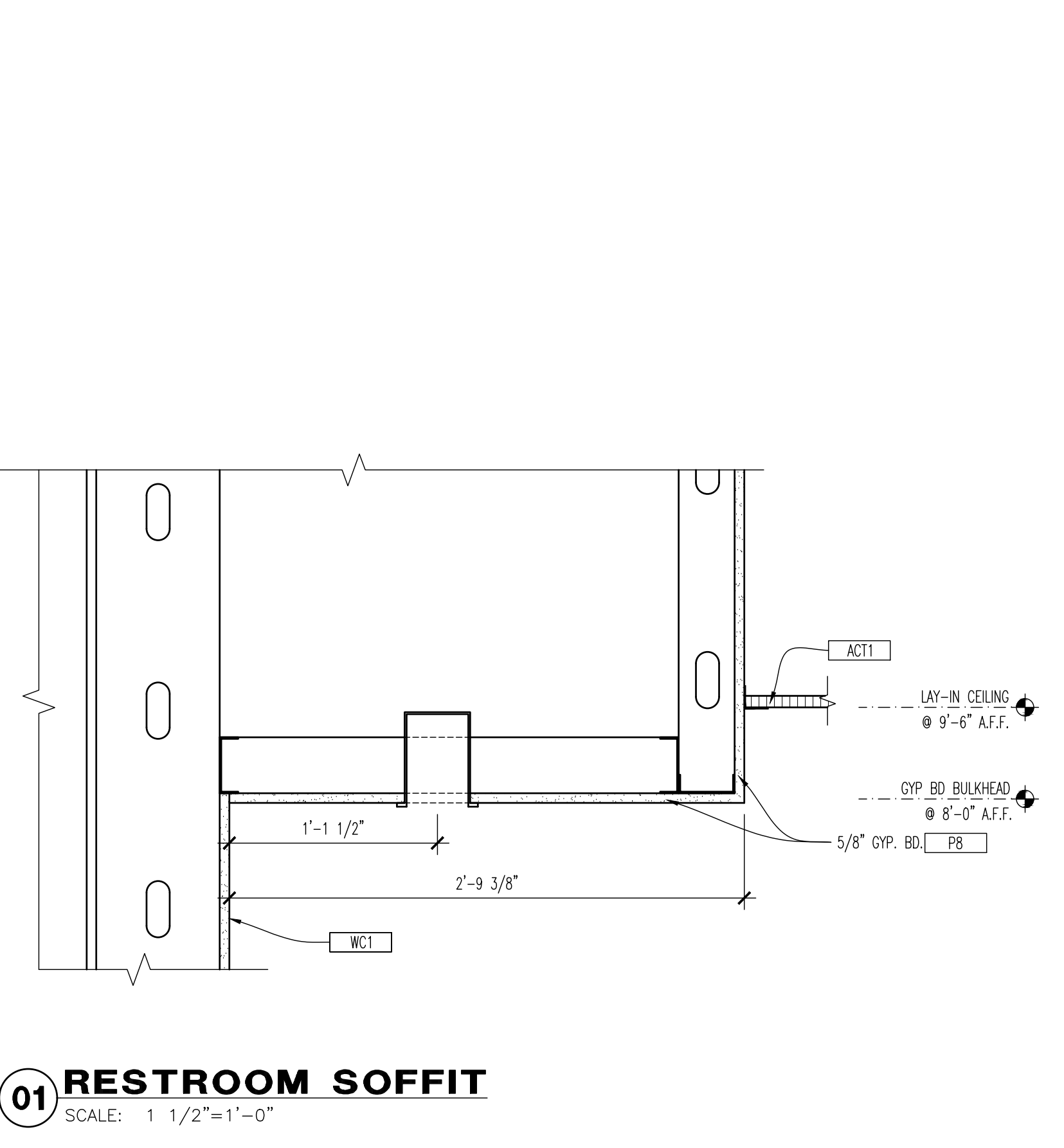
12.1.2020

REFLECTED CEILING PLAN DETAILS  
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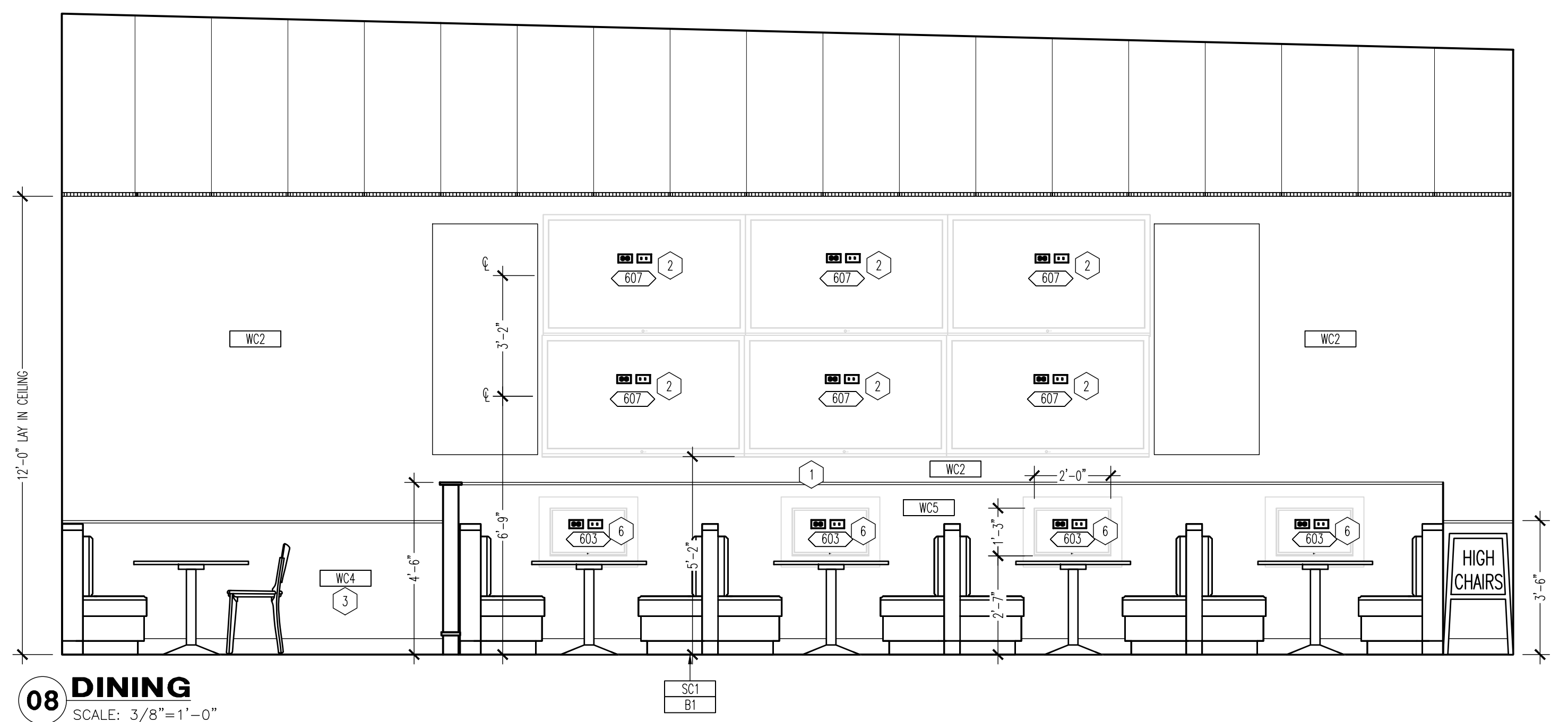
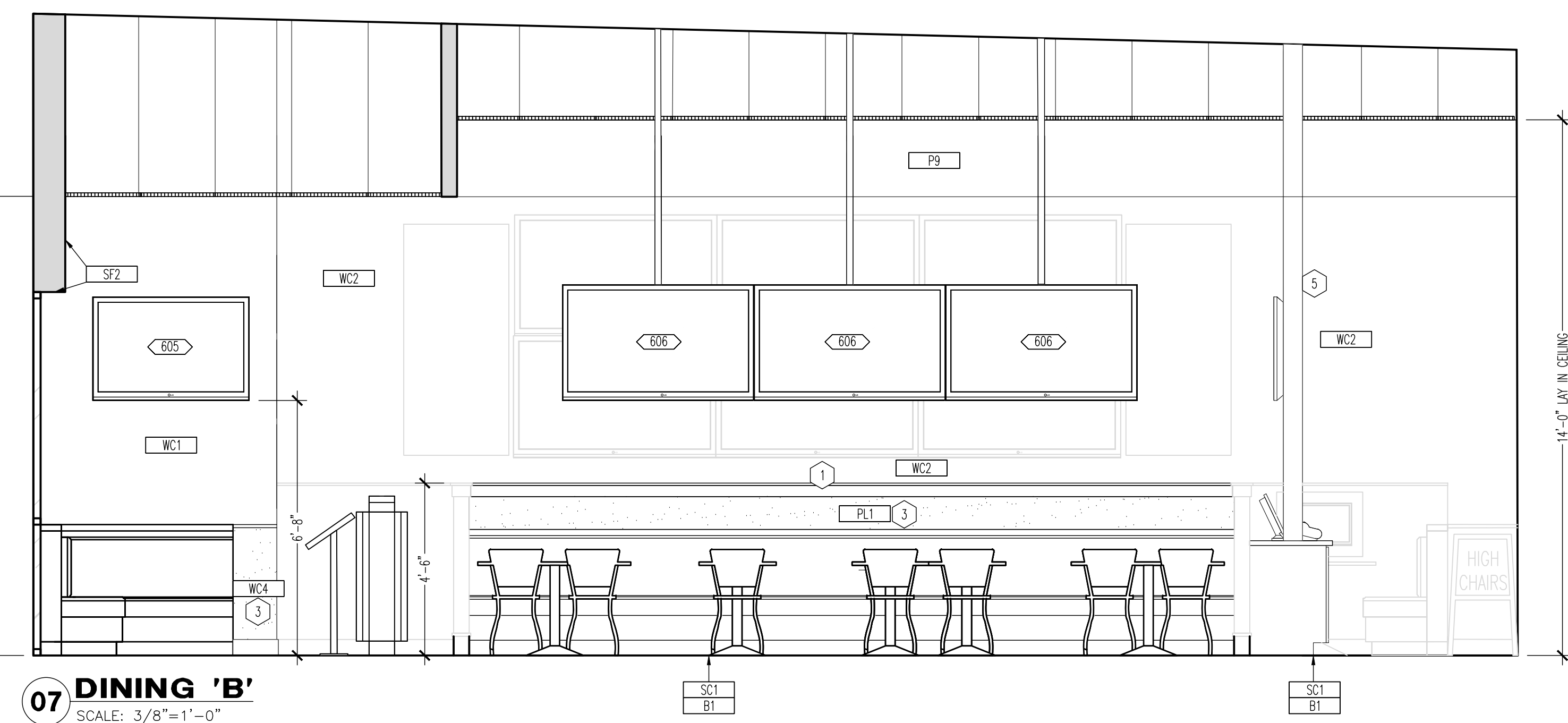
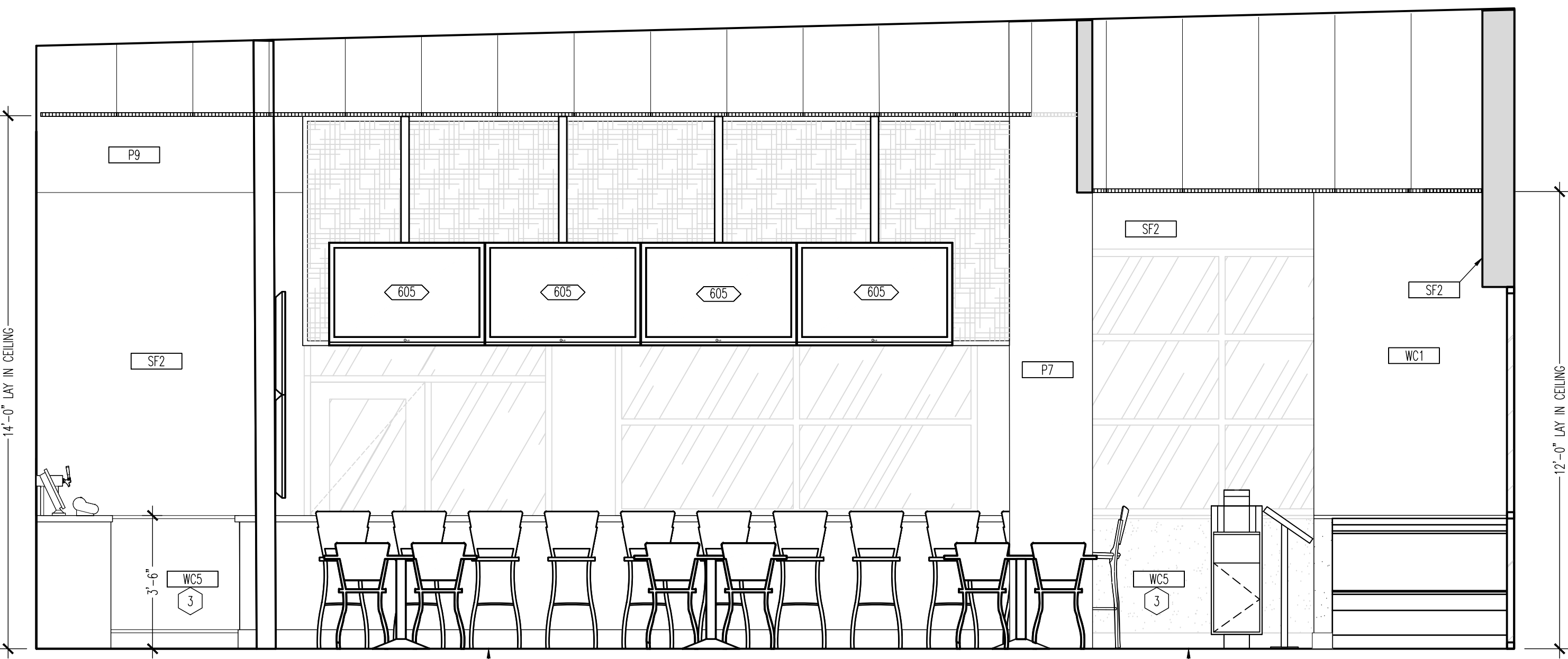
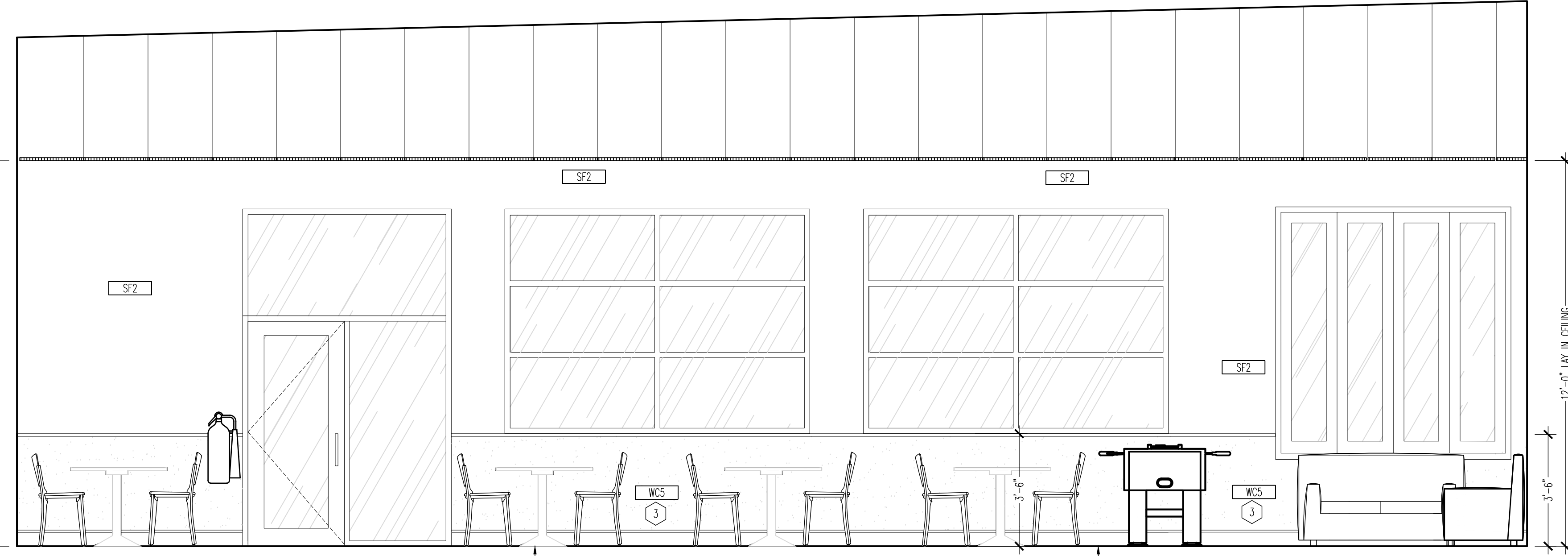
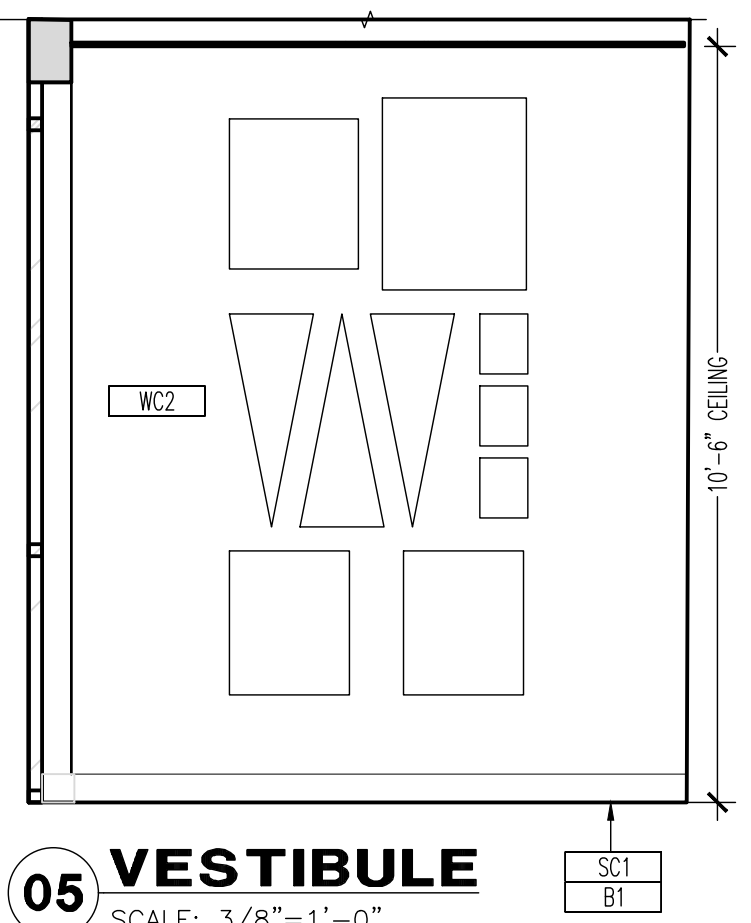
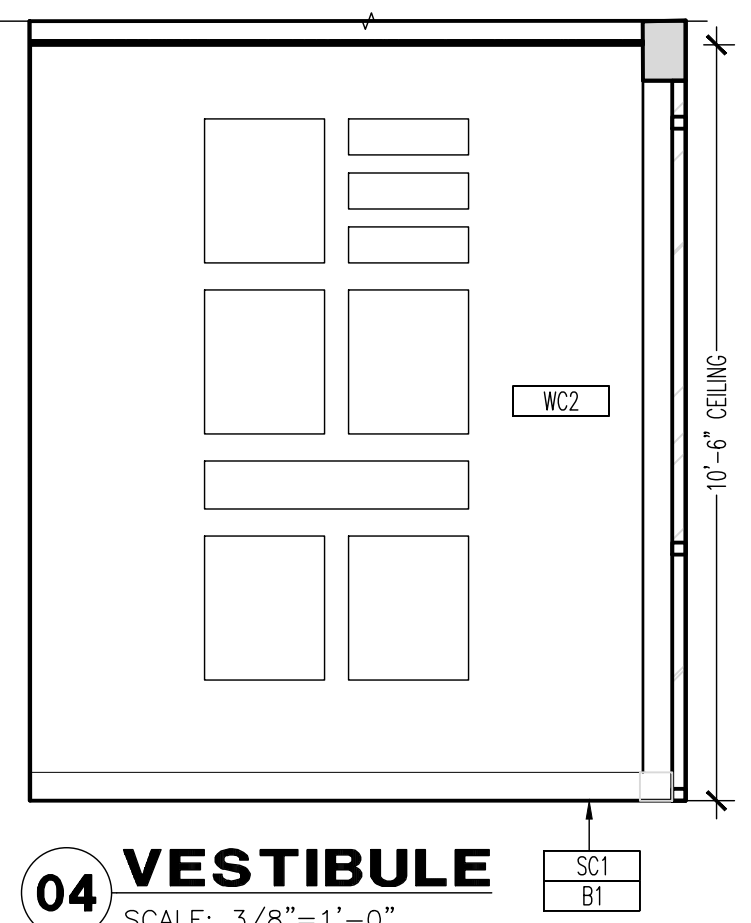
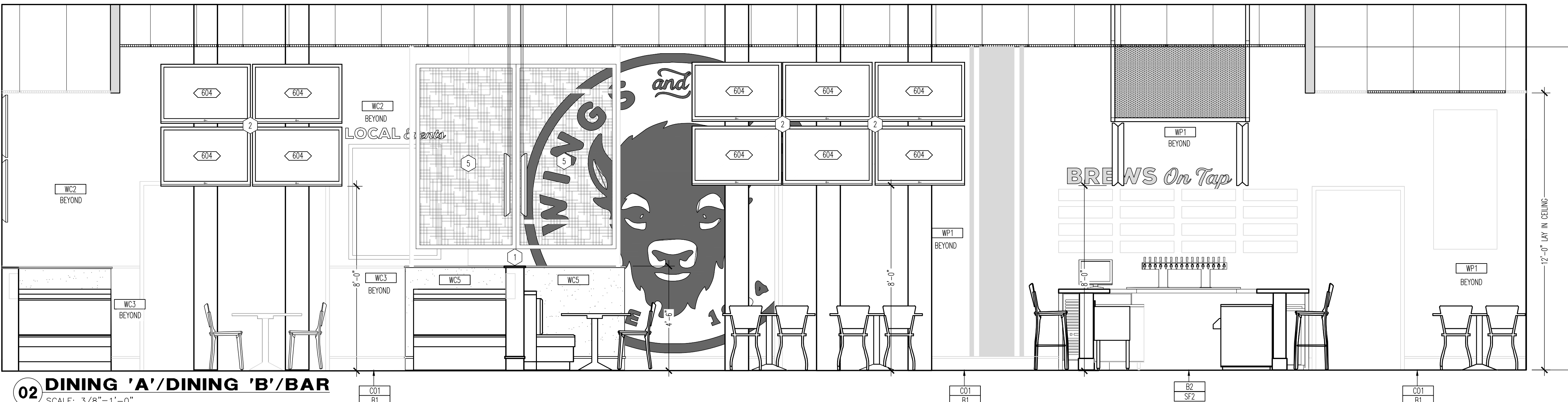
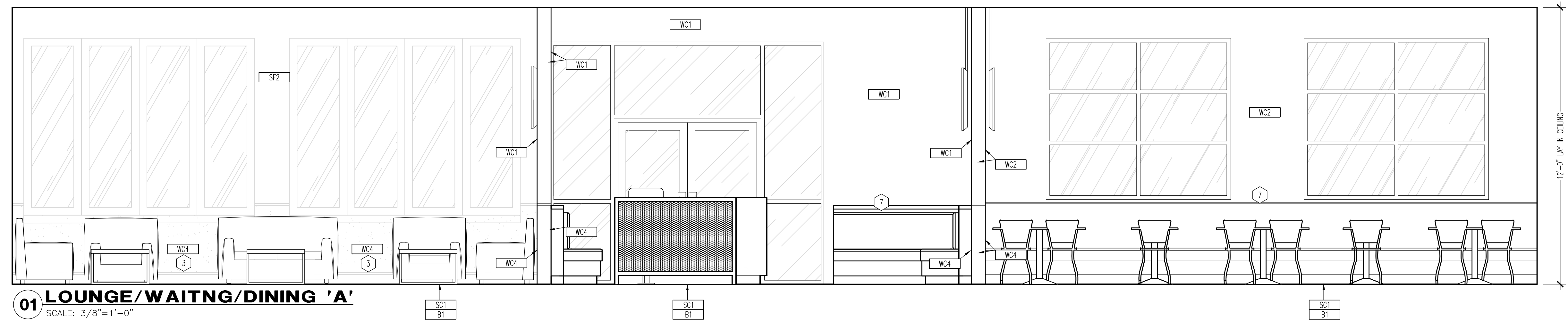
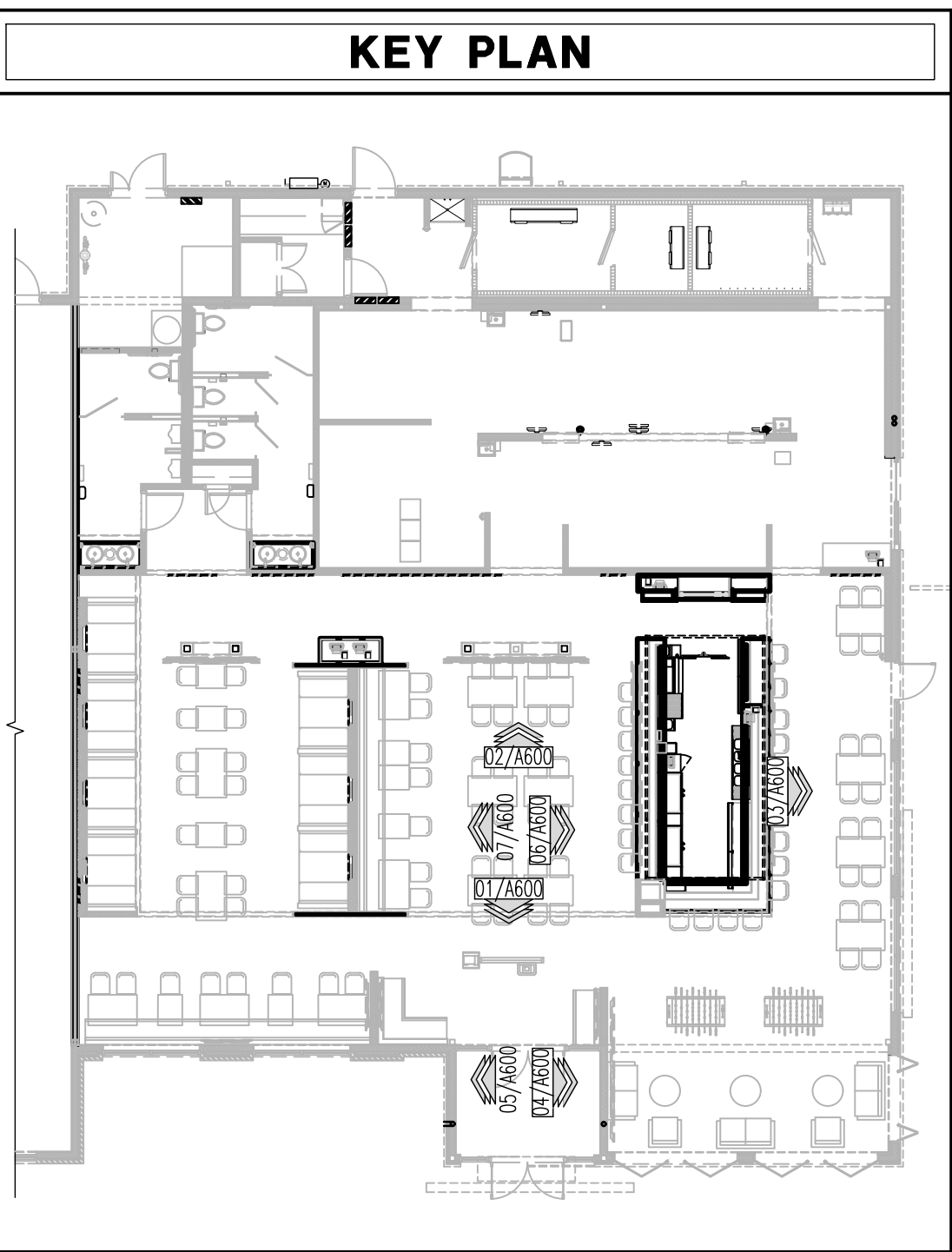
INTERIOR ELEVATIONS  
 SCALE: 1/4" = 1'-0"  
 Drawn By: CUB Checked: JLD

PROJECT NUMBER  
 20-0501

SHEET NUMBER  
**A600**

- GENERAL NOTES**
- REFER TO SHEET EQ100 FOR EQUIPMENT SCHEDULE AND FURNITURE SCHEDULE.
  - POSTERS, WALL CLINGS, AND DECOR PROVIDED BY OWNER. COORDINATE WITH GRAPHICS PLAN ON SHEET AG02.
  - ALL WOOD BLOCKING IS TO BE FIRE RETARDANT TREATED.
  - REFER TO FINISH SCHEDULE ON SHEET AF02 FOR INFORMATION ON FINISHES.
  - TV MONITORS AND YOKES BY AV CONTRACTOR. G.C. TO PROVIDE AND INSTALL BLOCKING AS REQUIRED.
  - REFER TO A201 AND A401 FOR WD1 TRIM CONDITIONS.
  - WALL ABOVE 13'-6" TO BE PAINTED 'PS'.

- KEY NOTES**
- "WD1" TOP CAP, FOR PARTIAL HEIGHT WALL TRIM CONDITIONS SEE A401 AND A201.
  - INDICATED TV TO BE WALL MOUNTED. PROVIDE BLOCKING IN WALL FOR ALL WALL MOUNTED TELEVISIONS. REFER TO DETAIL 07/A501.
  - REFER TO SHEET A201 AND A401 FOR INFORMATION ON WALL PANEL AND TRIM.
  - EXPOSED COLUMN TO BE PAINTED 'SF2'. REFER TO FINISH PLAN AND SCHEDULE.
  - DECORATIVE SCREEN SYSTEM. REFER TO A401 FOR FURTHER INFORMATION.
  - RECESSED WALL MOUNTED TV. REFER TO DETAILS ON SHEET A201.
  - WALL COVERING TO GO 6" PAST SEATEE, ENSURE SEAMLESS TRANSITION.





WINGS & RINGS

DRAWING ISSUE

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1	BID AND PERMIT	11/25/20

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12.12.2020
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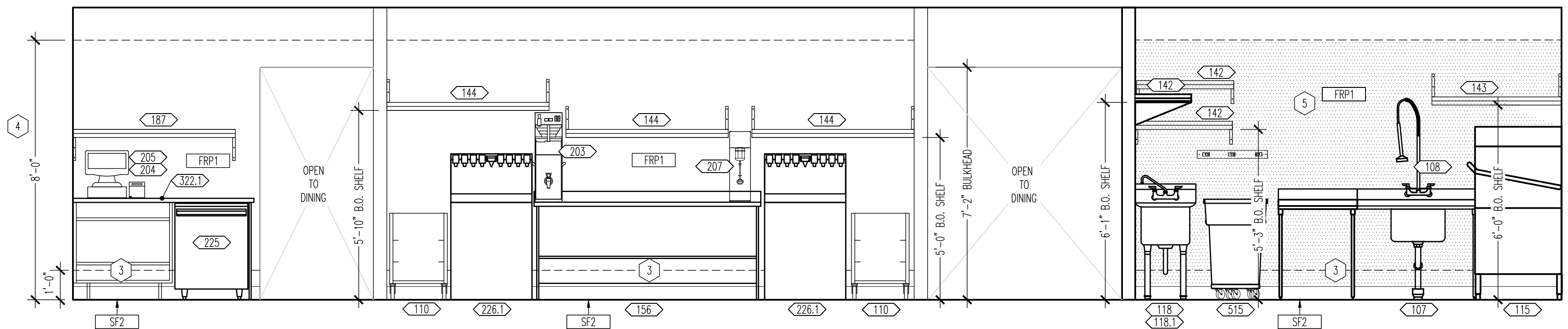
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 Drawn By: CUB Checked By: JLD

PROJECT NUMBER  
 20-0501

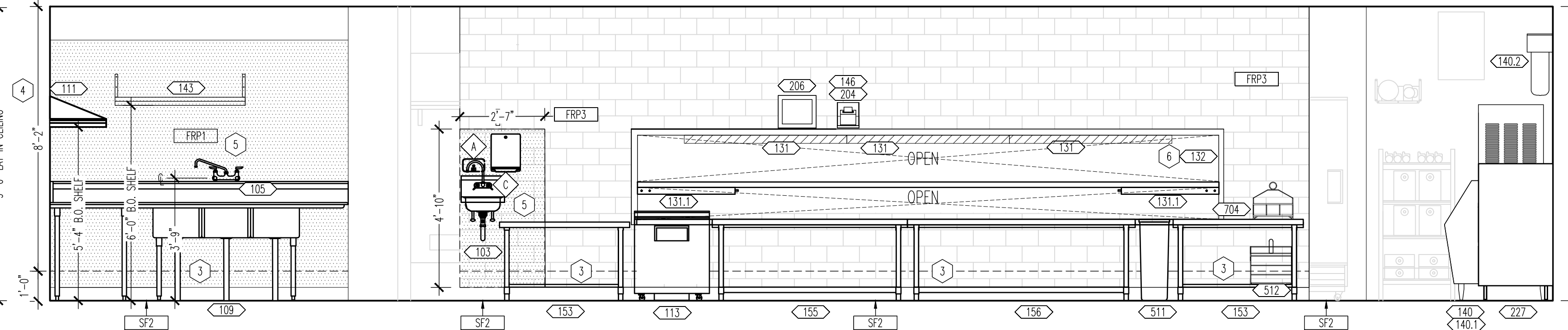
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A601

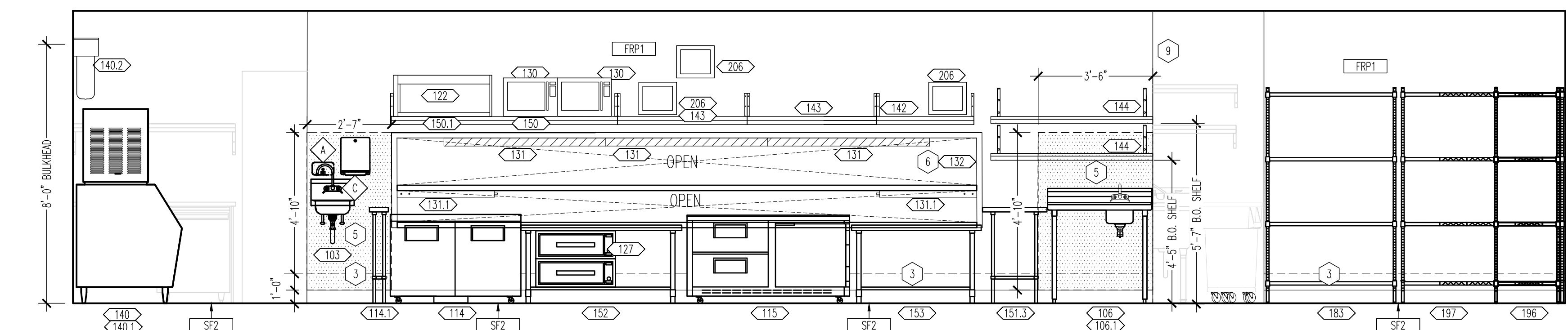
FOR BID ONLY



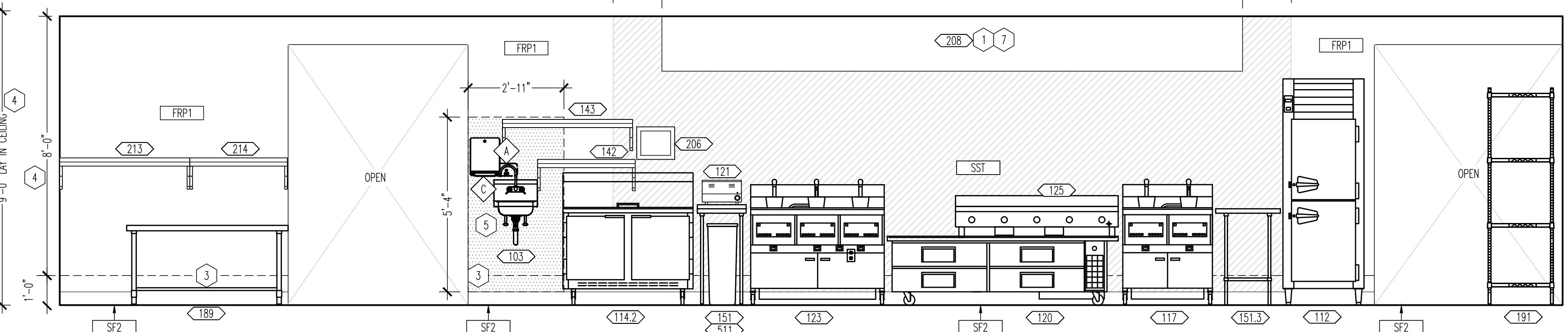
01 TAKE OUT/SERVING/KITCHEN 'A'  
 SCALE: 3/8"=1'-0"



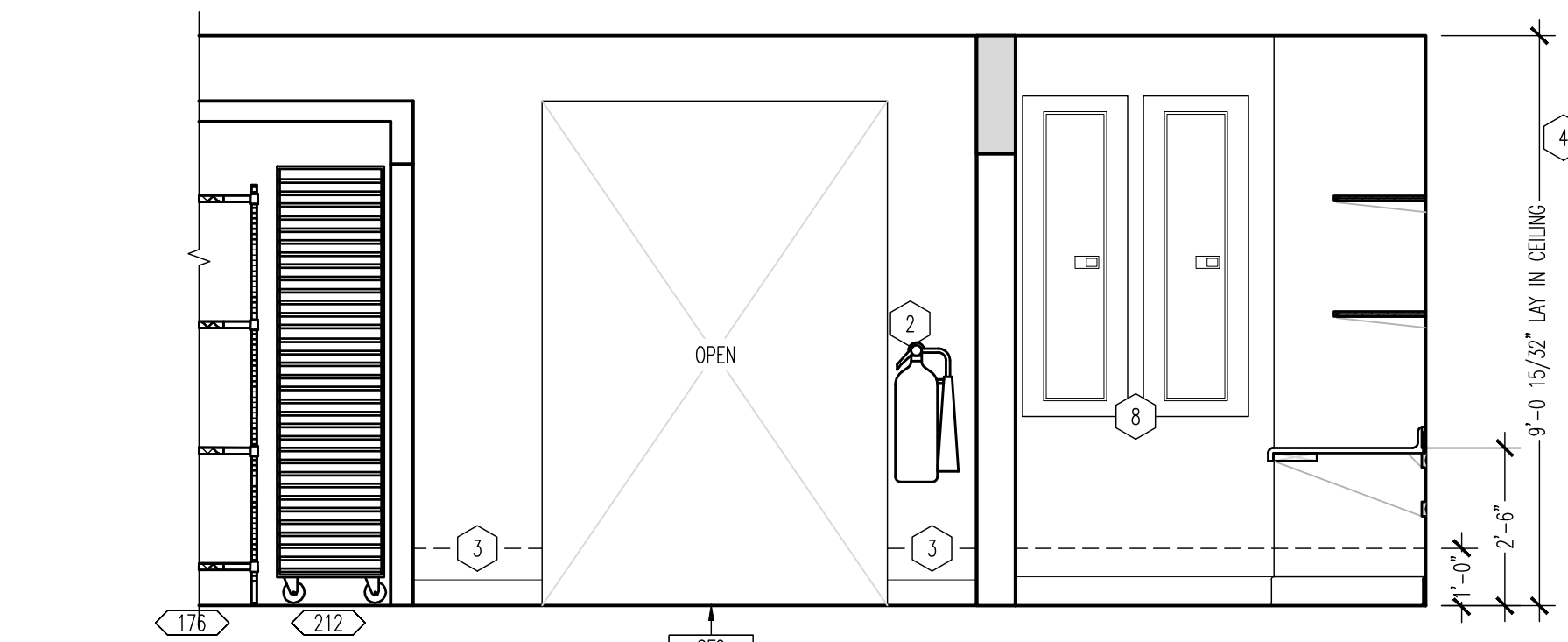
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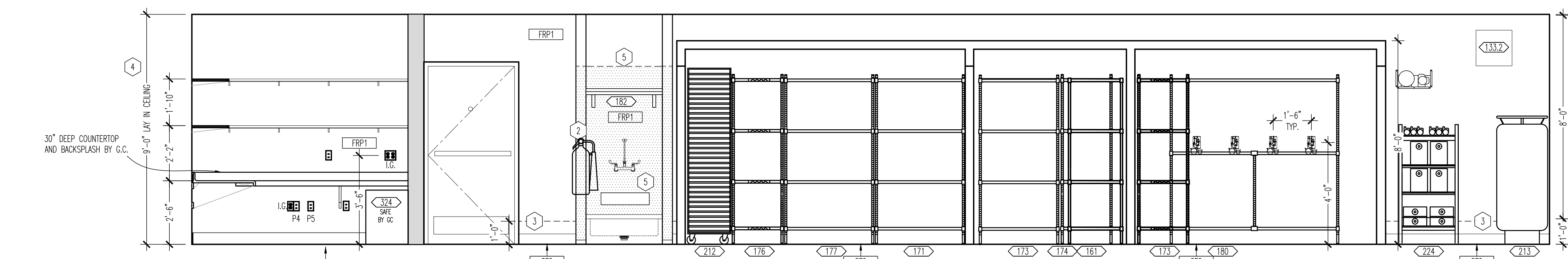
03 KITCHEN 'B'  
 SCALE: 3/8"=1'-0"



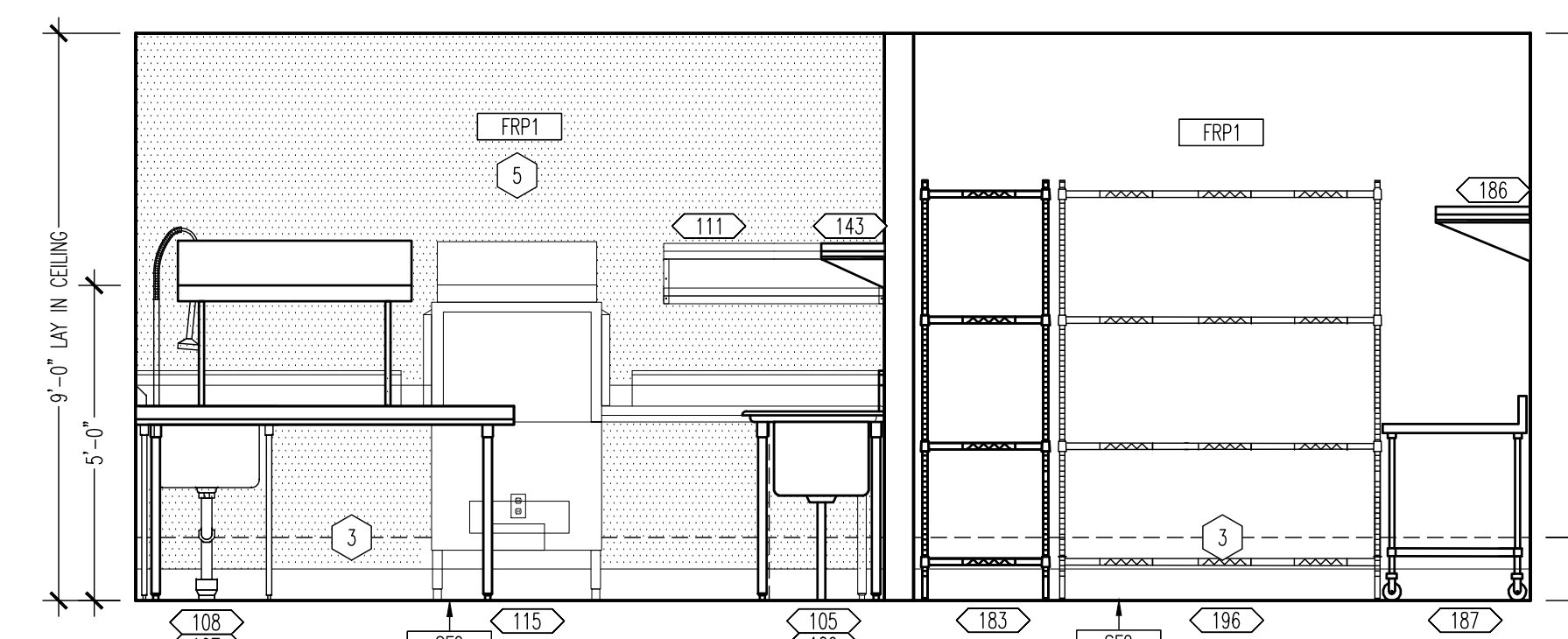
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 SCALE: 3/8"=1'-0"



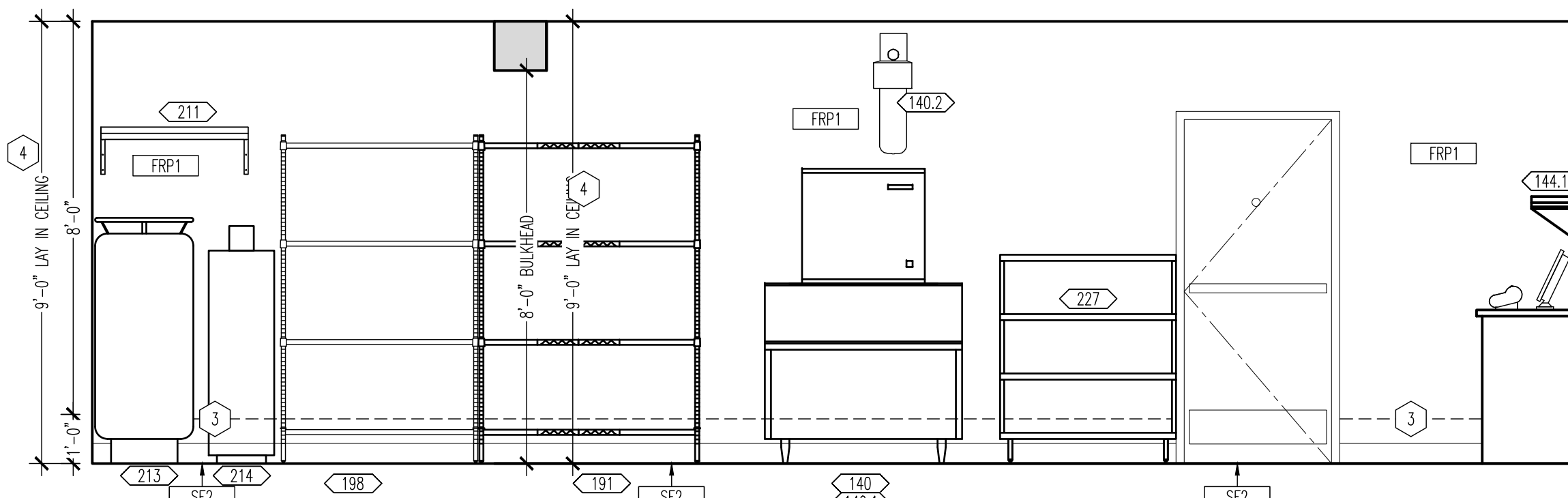
05 OFFICE  
 SCALE: 3/8"=1'-0"



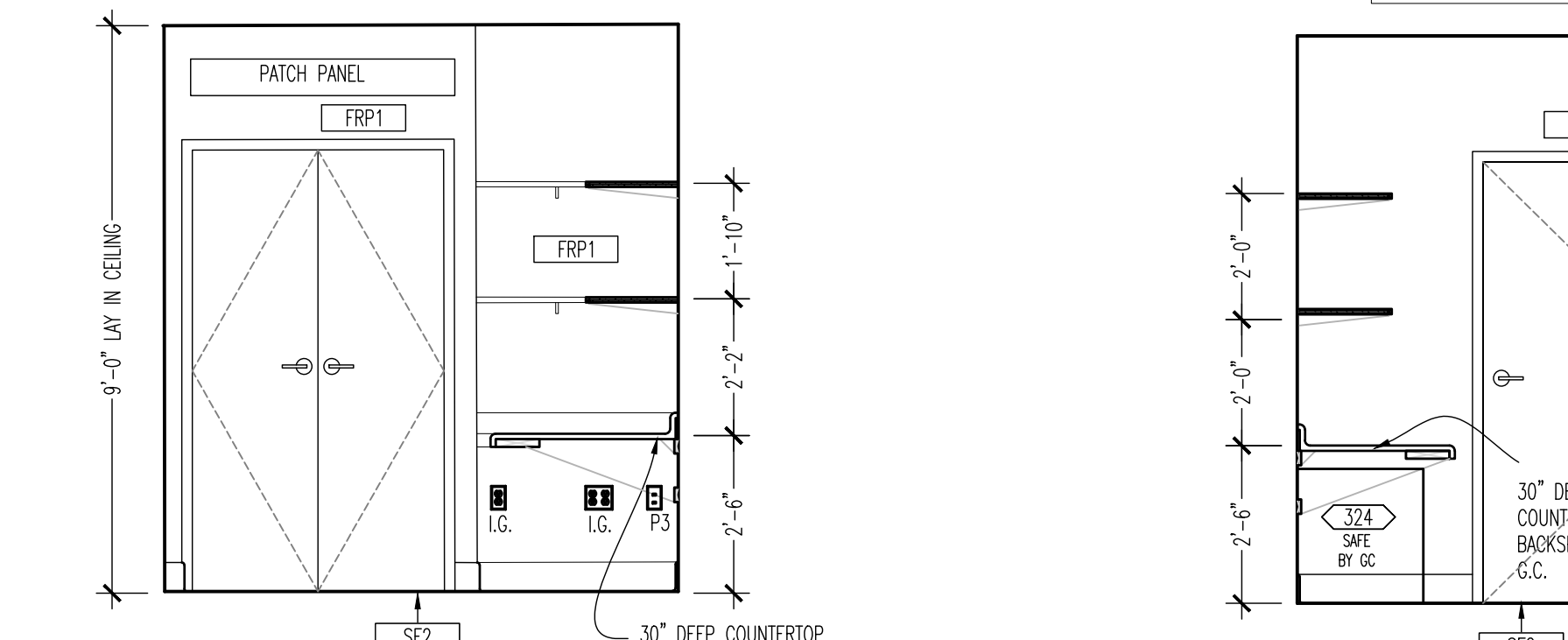
06 OFFICE/COOLER  
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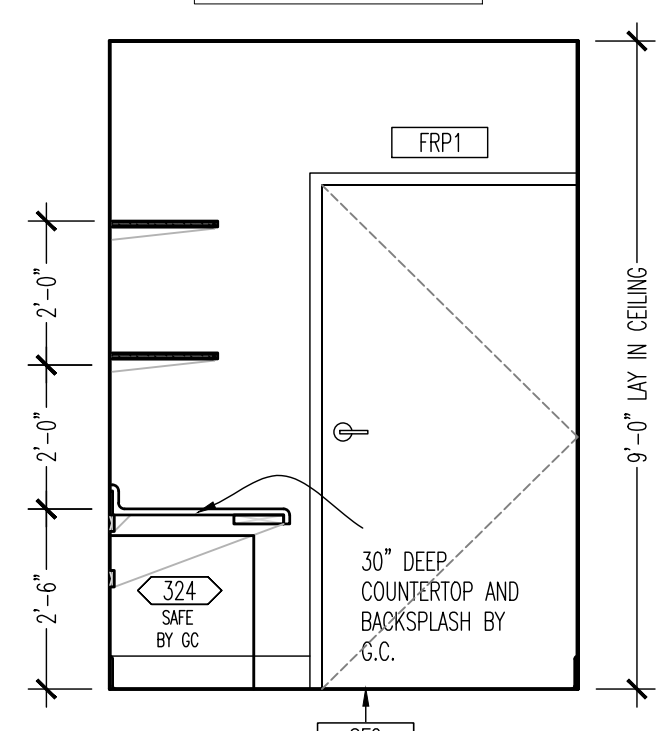
07 KITCHEN 'A'/KITCHEN 'B'  
 SCALE: 3/8"=1'-0"



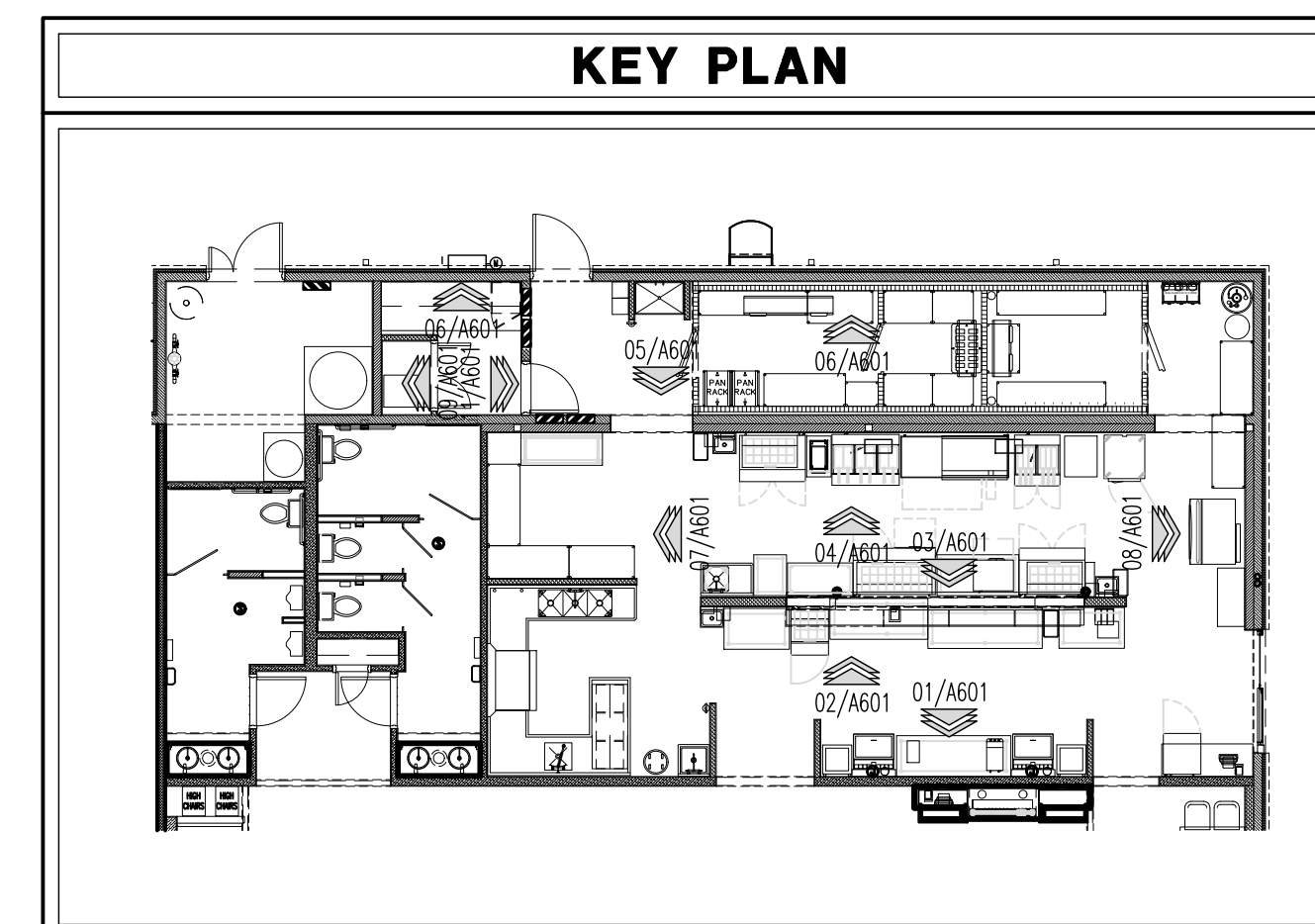
08 UTILITY/TAKE OUT  
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09 OFFICE  
 SCALE: 3/8"=1'-0"



10 OFFICE  
 SCALE: 3/8"=1'-0"



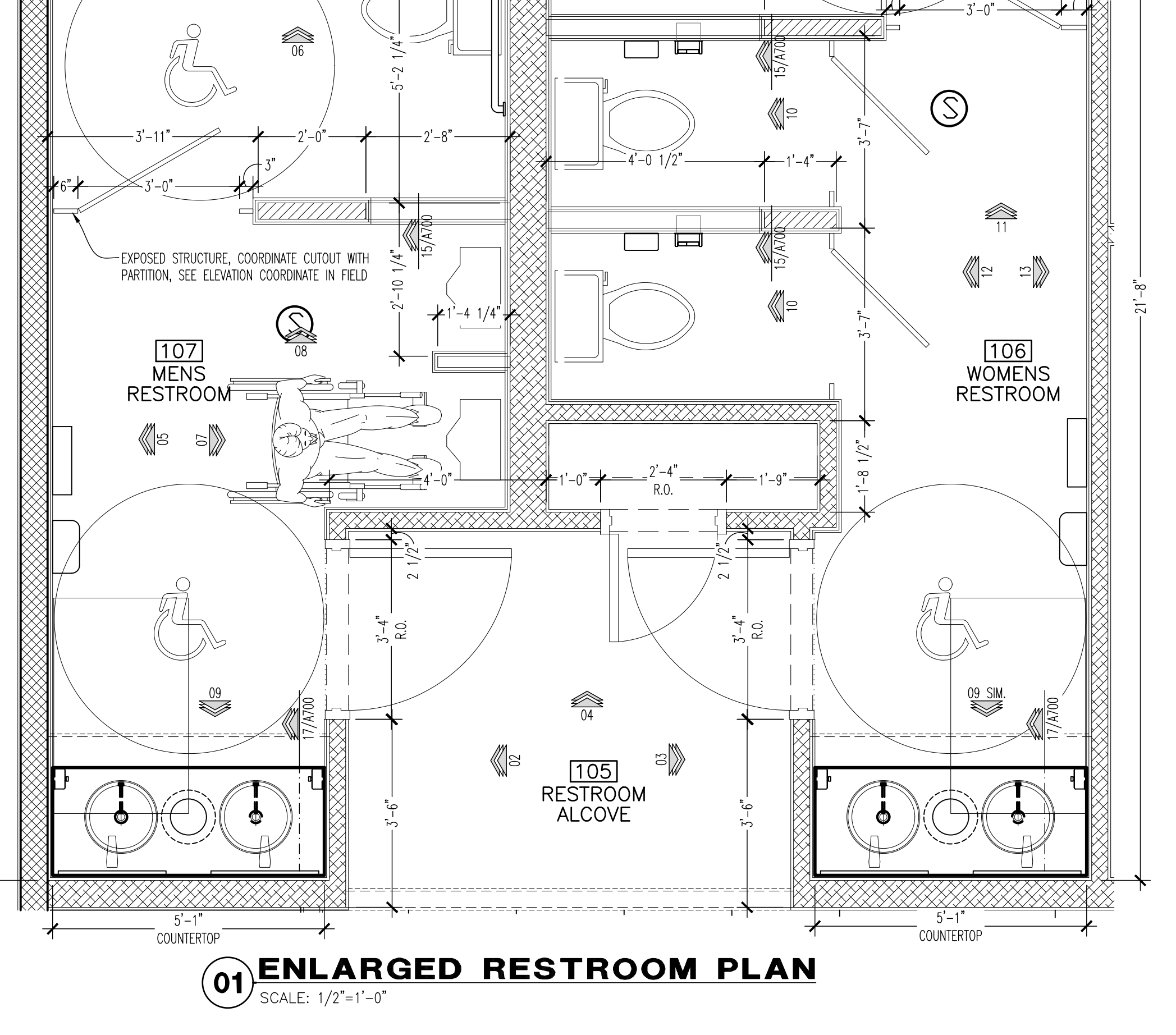
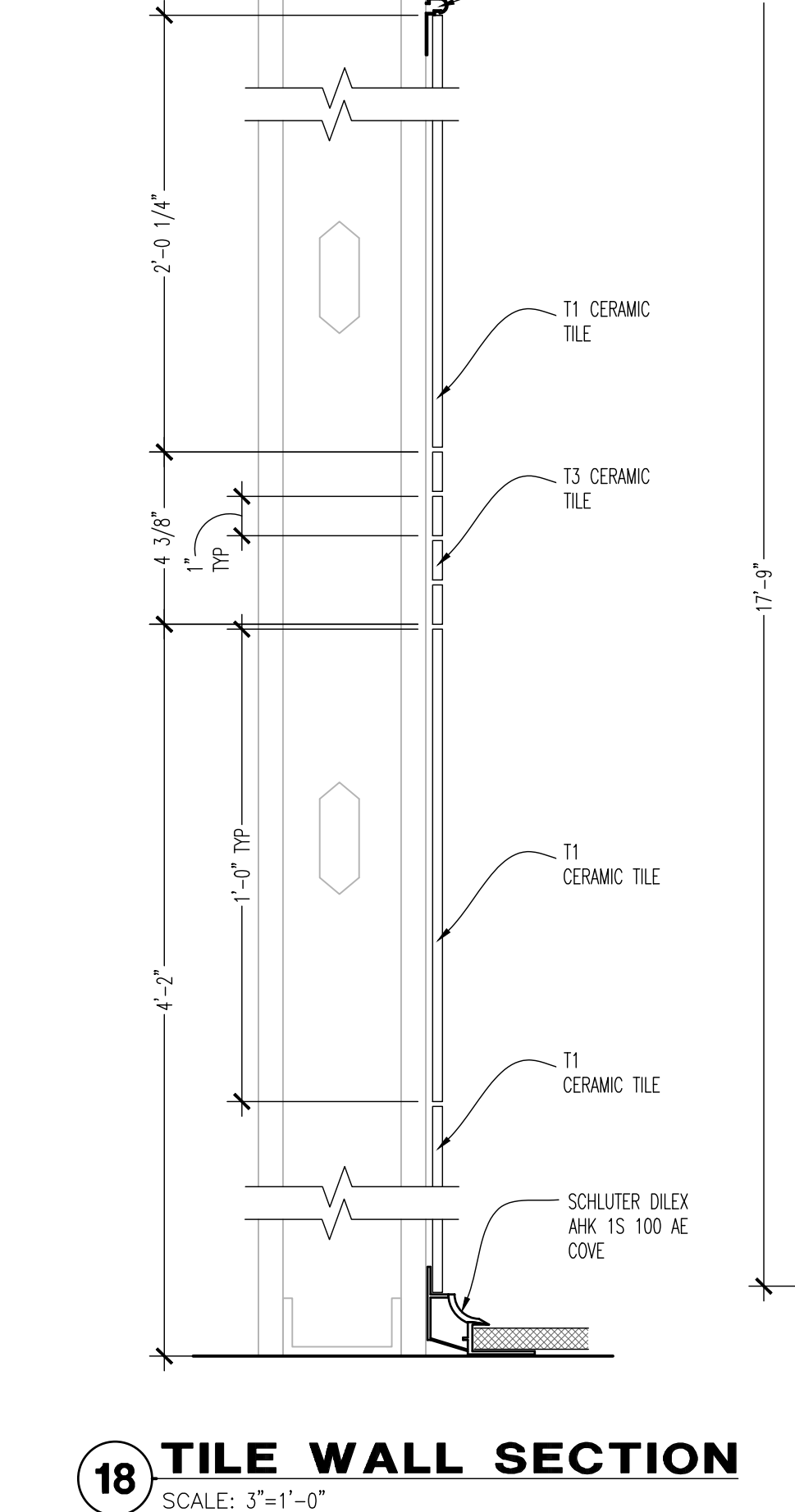
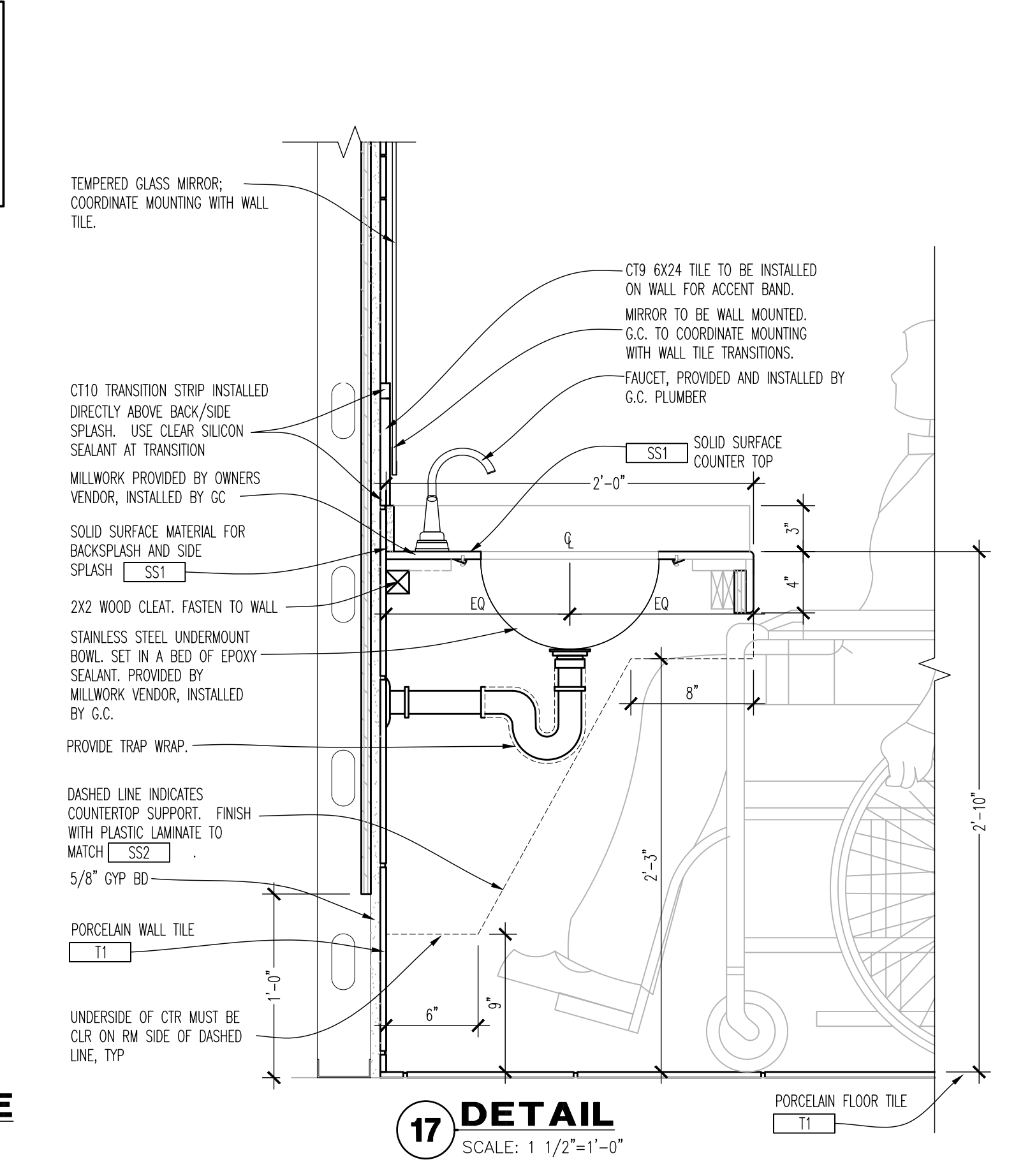
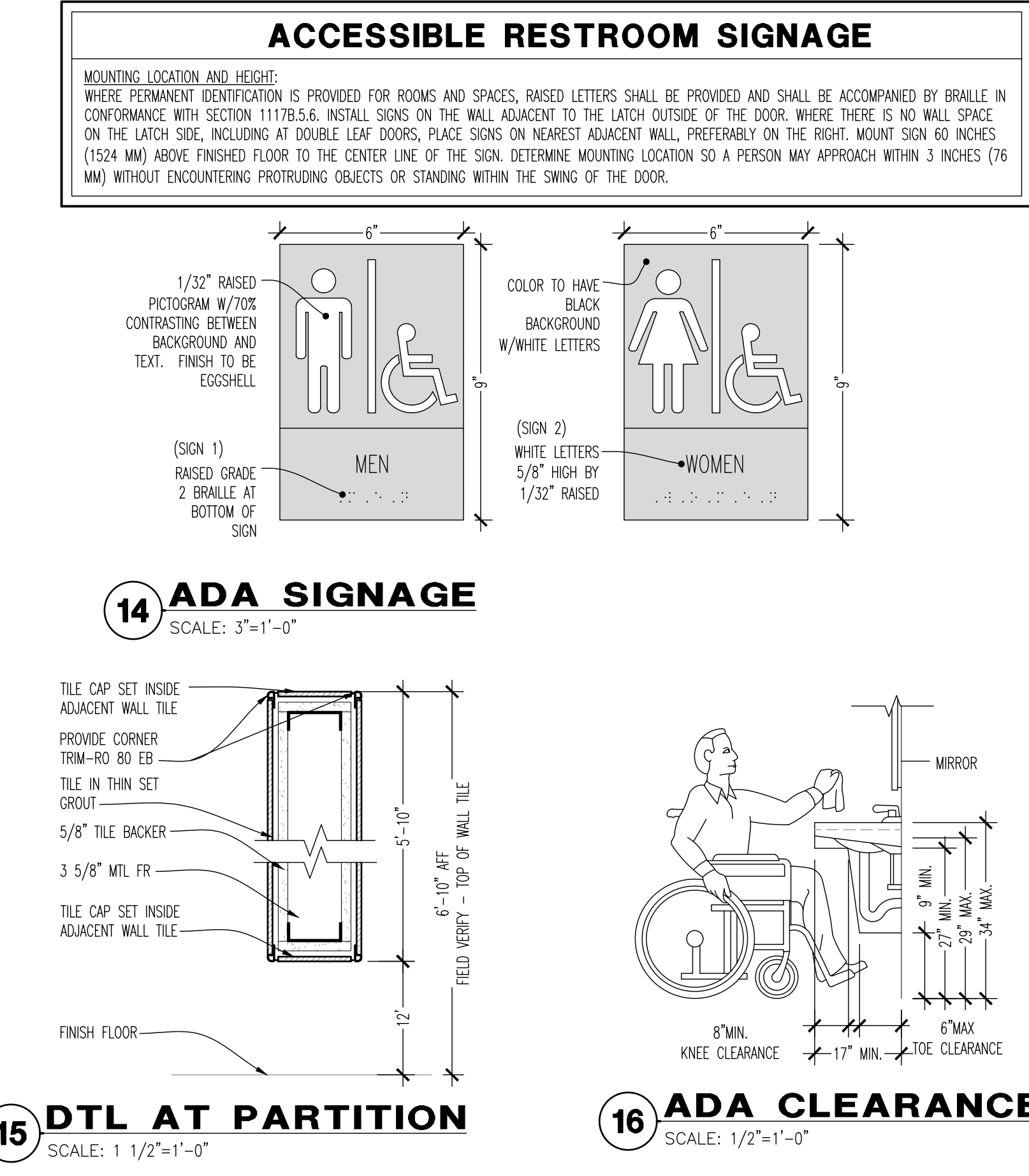
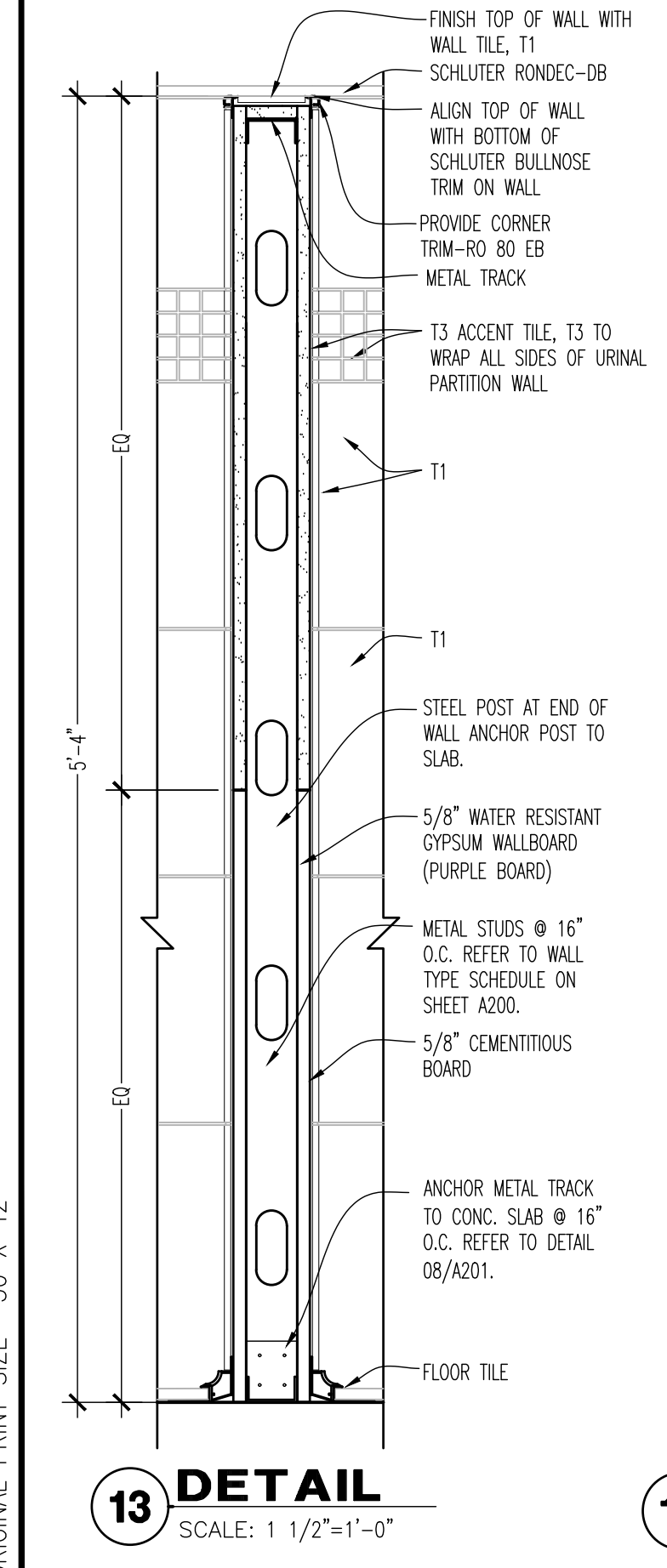
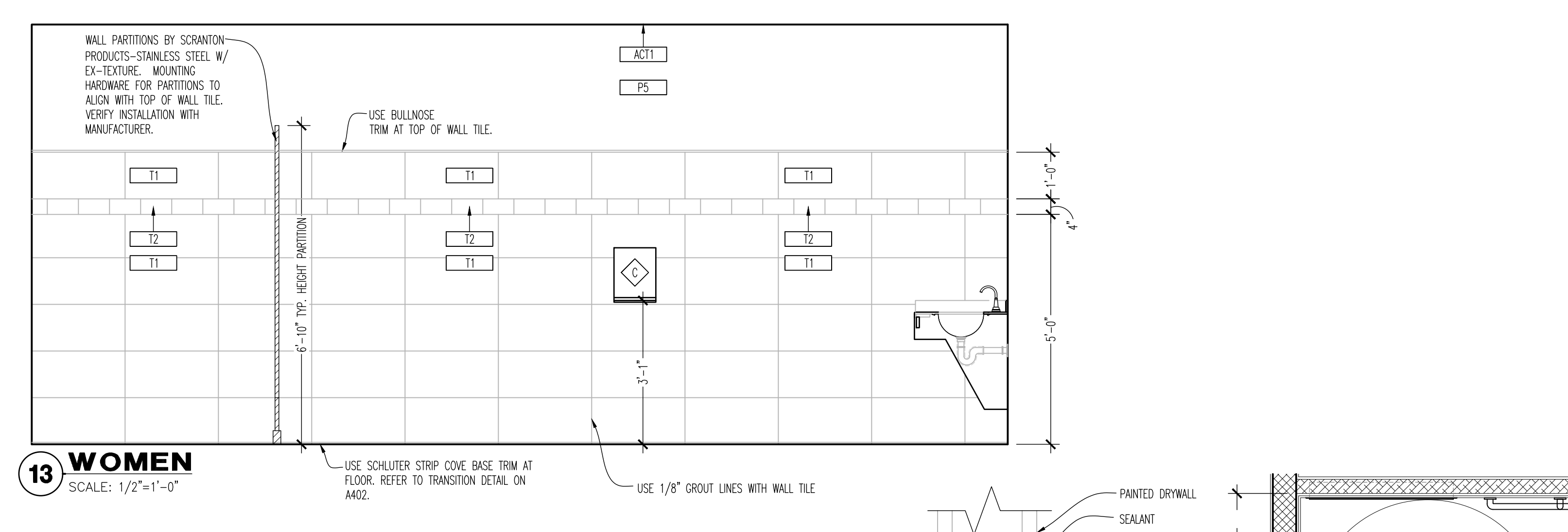
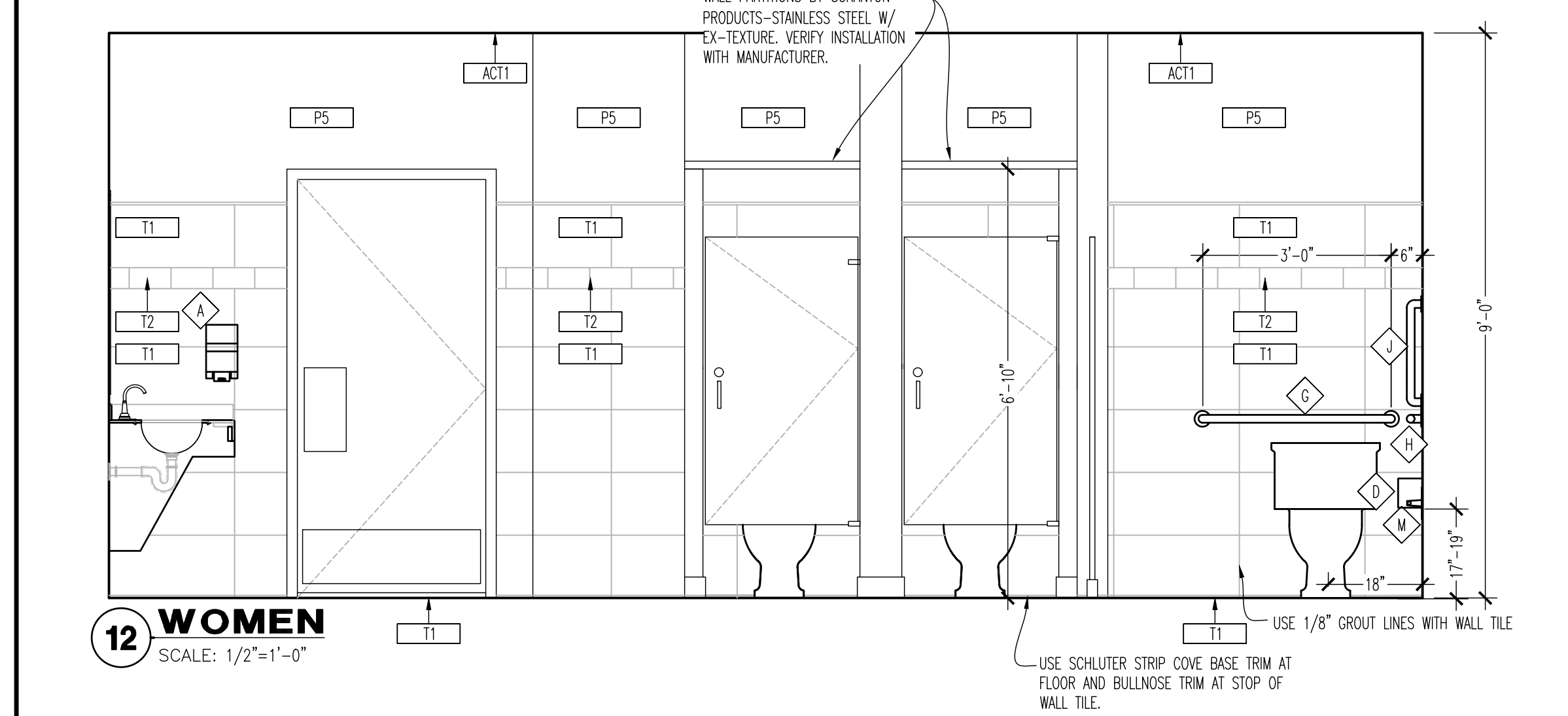
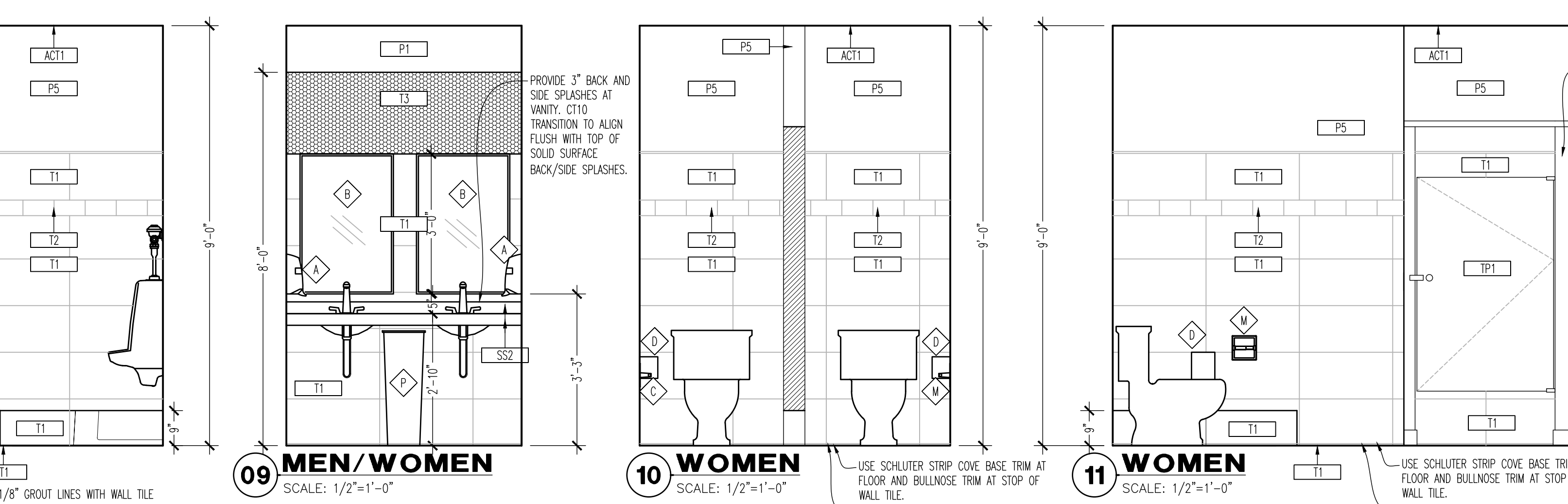
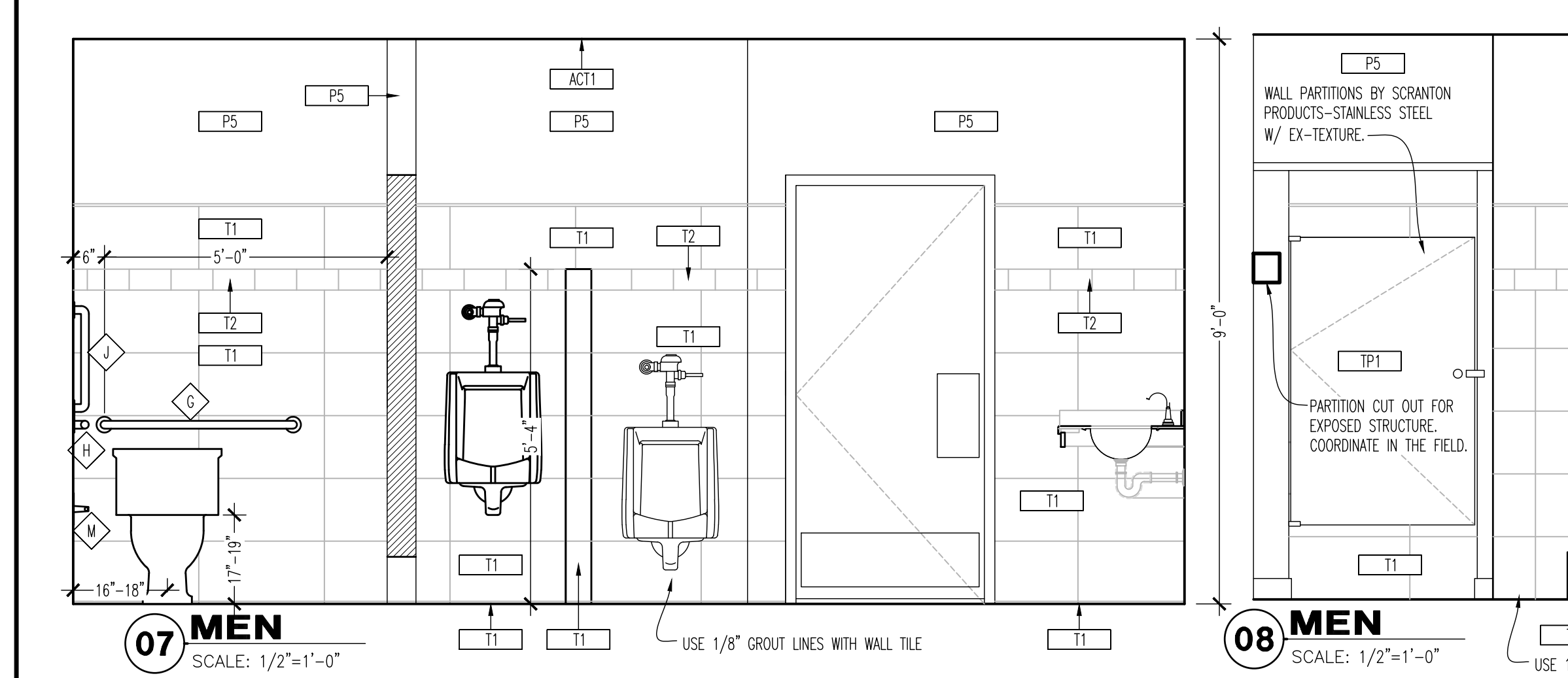
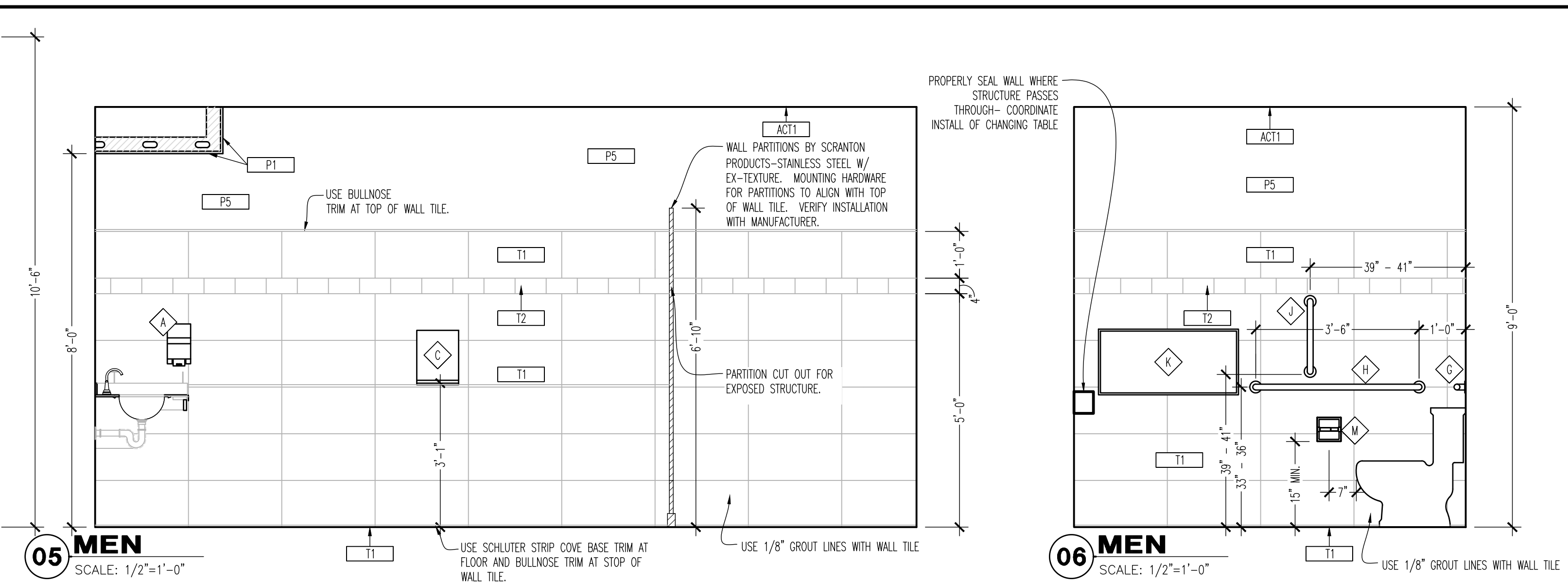
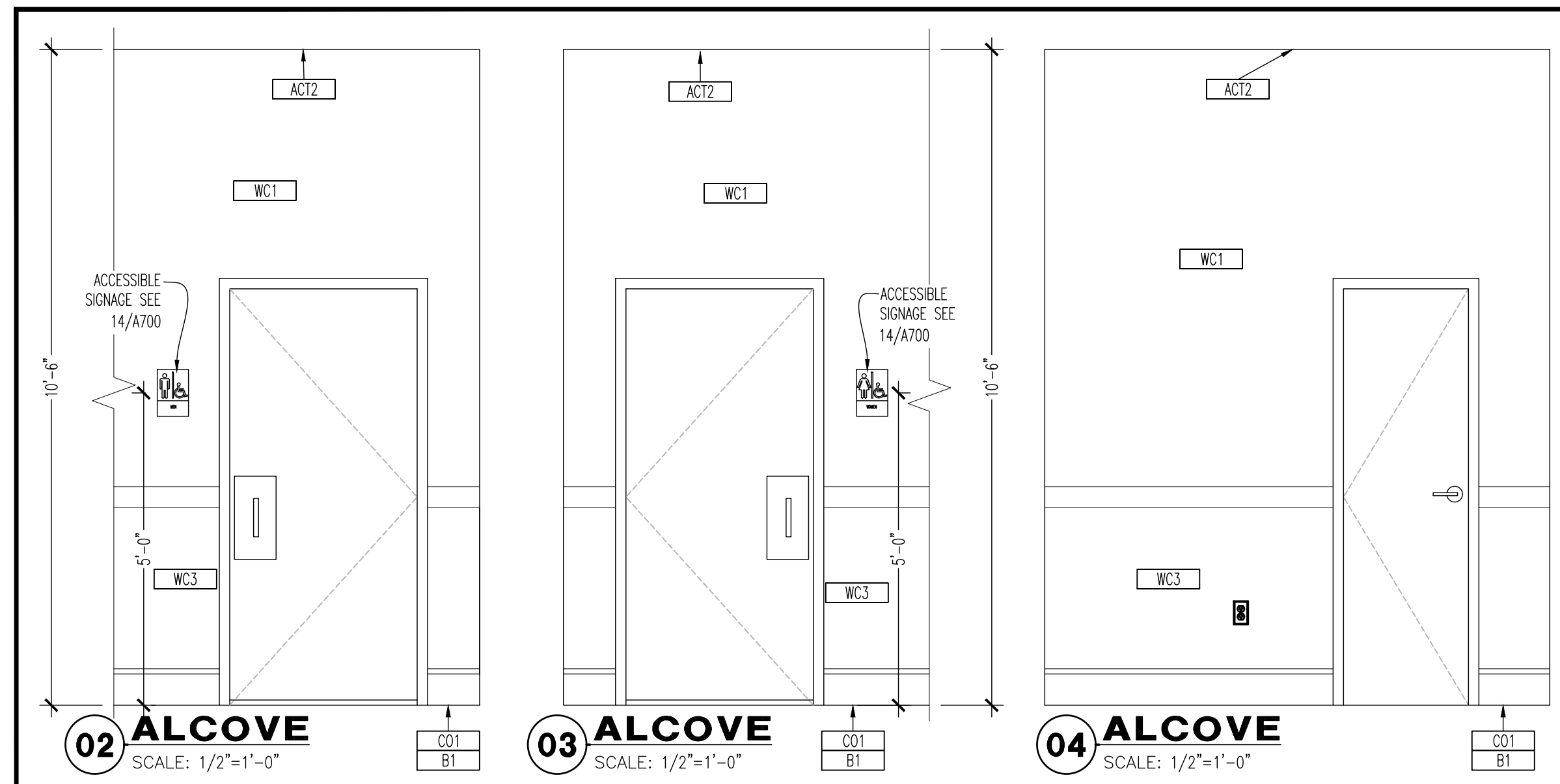
KEY PLAN

GENERAL NOTES

- REFER TO SHEET EQ100 FOR EQUIPMENT AND FURNITURE SCHEDULE.
- POSTERS, WALL CLINGS, AND DECOR PROVIDED BY OWNER. INSTALLED BY G.C. COORDINATE WITH GRAPHICS PLAN ON SHEET A603.
- HANDSAK ACCESSORIES SCHEDULE. SEE EQ101 AND A700.
- ALL WOOD BLOCKING IS TO BE FIRE RETARDANT TREATED.
- REFER TO FINISH SCHEDULE ON SHEET A602 FOR INFORMATION ON FINISHES.

KEY NOTES

- 20 GA STAINLESS STEEL BEHIND HOOD, PROVIDED BY EQUIPMENT VENDOR AND INSTALLED BY G.C. USE FINISH WASHERS AND FLAT HEAD SCREWS. USE CLEAR SILICONE SEALANT BETWEEN STAINLESS STEEL PANELS.
- FIRE EXTINGUISHER, COORDINATE EXACT LOCATIONS AND QUANTITIES WITH FIRE MARSHAL. SEE A200 FOR FIRE EXTINGUISHER LOCATION.
- 5/8" CEMENTITIOUS BOARD. REFER TO SHEETS A200 AND A201.
- 5/8" CDX PLYWOOD TO 9'-0" A.F.F. REFER TO SHEETS A200 AND A201.
- HATCH INDICATES 5/8" MARINE GRADE PLYWOOD. REFER TO SHEETS A200 AND A201.
- 18 GA STAINLESS STEEL SURROUND AT EXPO WINDOW PROVIDED BY EQUIPMENT VENDOR. INSTALLED BY G.C.
- 5/8" CEMENTITIOUS BOARD BEHIND HOOD TO DECK.
- COORDINATE WITH ELECTRICAL DRAWINGS ON OUTLET LOCATIONS AND REQUIREMENTS.
- WRAP OPENING OR WALL WITH 2 X WALL THICKNESS X 2 1/2" STAINLESS STEEL CAP.
- INSTALL FAUCET ON WALL ABOVE SINK AS SHOWN. COORDINATE IN THE FIELD AND VERIFY WITH BWR CM.



**GENERAL NOTES**

- THIS SHEET IS TO BE USED IN CONJUNCTION WITH SHEET A400.
- GC TO PROVIDE BLOCKING FOR TOILET FIXTURES AND ACCESSORIES, INCLUDING GRAB BARS, WATER CLOSETS, URINALS, AND BABY CHANGING TABLES.
- BLOCKING SHALL SUPPORT 250 LBS MIN.
- DIMENSIONS ARE FROM FACE OF STUD WALLS UNLESS OTHERWISE NOTED.
- ALIGN VERTICAL WALL TILES WITH FLOOR TILES.
- ADJUST SPRING HINGES SO DOORS CLOSE, BUT DO NOT LATCH.
- PROVIDE BATT INSULATION TO 1'-0" ABOVE ADJACENT CEILING IN ALL WALLS SEPARATING THE TOILET ROOMS FROM RESTAURANT.
- G.C. TO PROVIDE AND INSTALL A.D.A. RESTROOM SIGNAGE AS REQUIRED BY LOCAL CODE. REFER TO 14/A700 FOR MINIMUM REQUIREMENTS.
- G.C. TO PROVIDE AND INSTALL COAT HOOKS ON THE INSIDE OF ALL RESTROOM STALL DOORS. COORDINATE MOUNTING WITH LOCAL ACCESSIBILITY REQUIREMENTS.
- PROVIDE BLOCK AND DAMPING IN WALLS AND NEW PARTITIONS FOR ALL CASWORK, SHELVING, COUNTERTOPS, TOILET ACCESSORIES, AND OWNER SUPPLIED EQUIPMENT. COORDINATE WITH SHOP DRAWINGS.
- RESTROOMS WITH FLOOR DRAINS, SLOPE FLOOR TO FLOOR DRAIN WITH LATEX BED. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

**TOILET ACCESSORIES**

MARK	DESCRIPTION	MANUFACTURER	MODEL NUMBER	REMARKS
A	HAND SOAP DISPENSER	CINIAS	SIGNATURE SERIES	7, 8
B	MIRROR	BOBBROCK	B-165	6
C	PAPER TOWEL DISPENSER	CINIAS	SIGNATURE SERIES	-
D	SANITARY NAPKIN DISPOSAL	BOBBROCK	B-270	-
G	36" LONG GRAB BAR	BOBBROCK	B-6906 SERIES	1
H	42" LONG GRAB BAR	BOBBROCK	B-6906 SERIES	2
J	18" LONG VERTICAL GRAB BAR	BOBBROCK	B-6906 SERIES	4
K	RECESSED DAMPER CHANGING STATION	BOBBROCK	KB-100-00	-
M	TOILET PAPER DISPENSER	CINIAS	SIGNATURE SERIES	5, 7, 8
P	TRASH UNIT	OWNER	OWNER	-

**REMARKS**

- 1 1/2" DIAMETER STAINLESS STEEL GRAB BAR WITH 1 1/2" CLEARANCE BETWEEN GRAB BAR AND WALL SURFACE. 36" LONG GRAB BAR TO BE MOUNTED AT 36" AFF AND 6" MAX FROM WALL SURFACE TO CENTER OF MOUNTING BRACKET. PROVIDE WOOD BLOCKING. SEE WALL TYPES.
- 1 1/2" DIAMETER STAINLESS STEEL GRAB BAR WITH 1 1/2" CLEARANCE BETWEEN GRAB BAR AND WALL SURFACE. 42" LONG GRAB BAR TO BE MOUNTED AT 36" AFF AND 12" MAX FROM WALL SURFACE TO CENTER OF MOUNTING BRACKET. PROVIDE WOOD BLOCKING. SEE WALL TYPES.
- HAND DRYER TO BE MOUNTED AT 37" A.F.F. TO BOTTOM OF DRYER.
- 1 1/2" DIAMETER STAINLESS STEEL GRAB BAR WITH 1 1/2" CLEARANCE BETWEEN GRAB BAR AND WALL SURFACE. 18" LONG GRAB BAR TO BE MOUNTED AT 36" AFF AND 30" AFF FROM WALL SURFACE TO CENTER OF MOUNTING BRACKET. PROVIDE WOOD BLOCKING. SEE WALL TYPES.
- TOILET PAPER OLDER TO BE MOUNTED AT 19" A.F.F. TO CENTERLINE OF HOLDER.
- MIRROR TO BE MOUNTED AT 39" A.F.F..
- SUPPLIED AND INSTALLED BY OWNERS.
- INSTALL SIGNATURE SERIES, FINISH TO STAINLESS STEEL.

**Intertech Design Services, Inc.**  
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**BUFFALO WINGS AND RINGS**  
720 BYPASS ROAD  
CAMPBELLVILLE, KY 42718



**DRAWING ISSUE**

NO.	DESCRIPTION	DATE
1	BID AND PERMIT	11/25/20

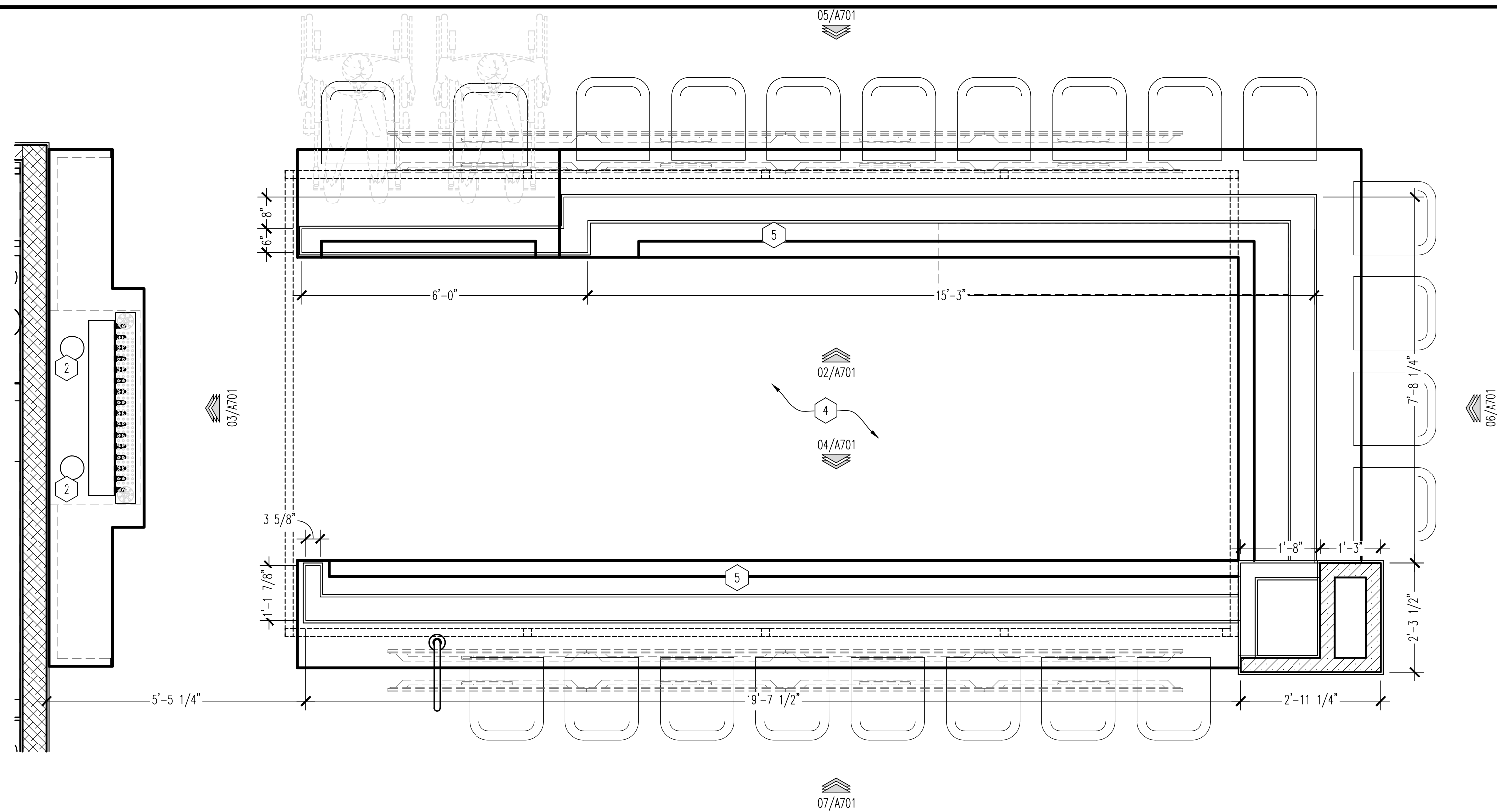
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**ENLARGED RESTROOM PLAN + ELEVATIONS**  
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Drawn By: CJB Checked JLD

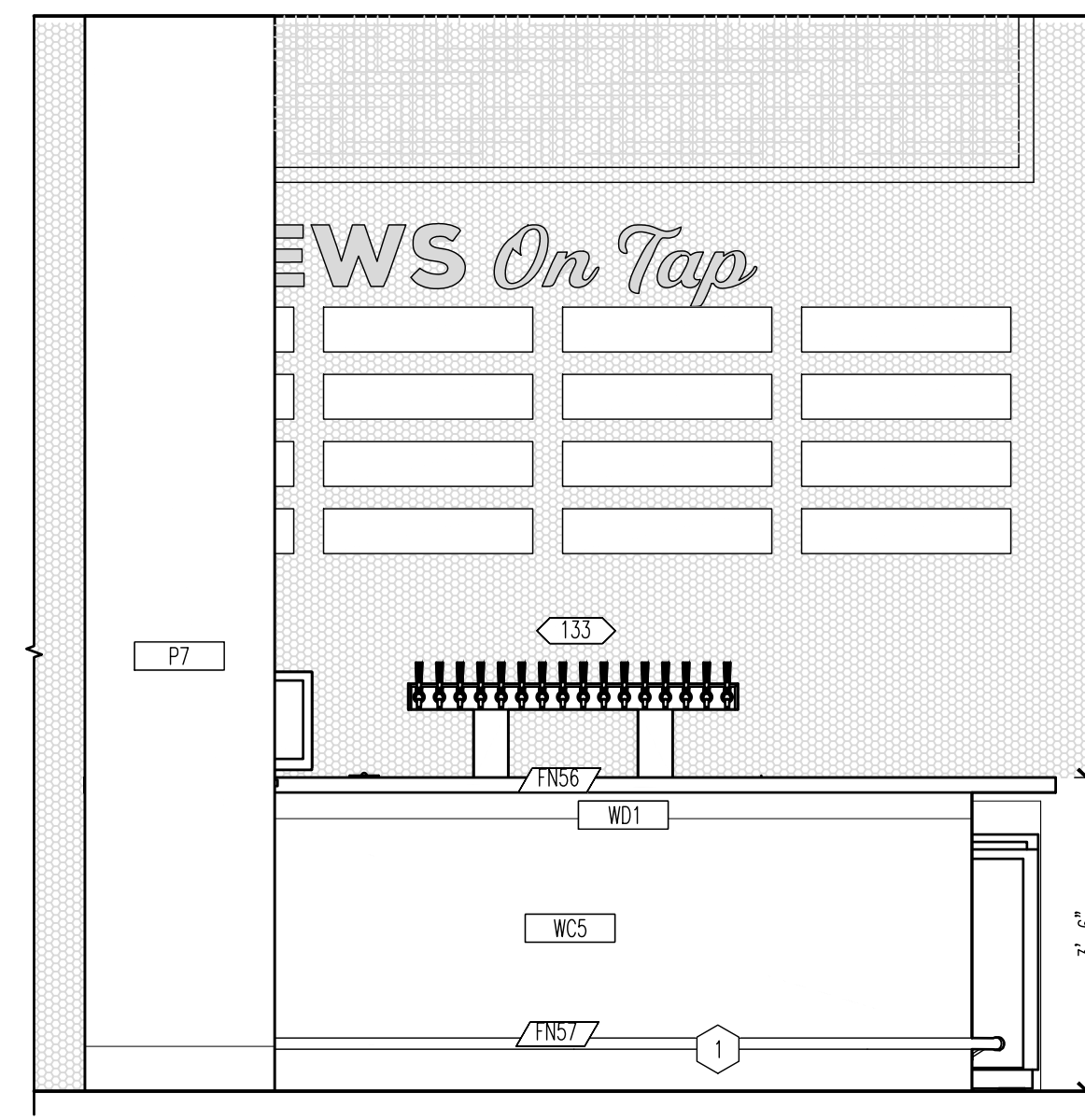
**PROJECT NUMBER**  
20-0501

**SHEET NUMBER**  
A700

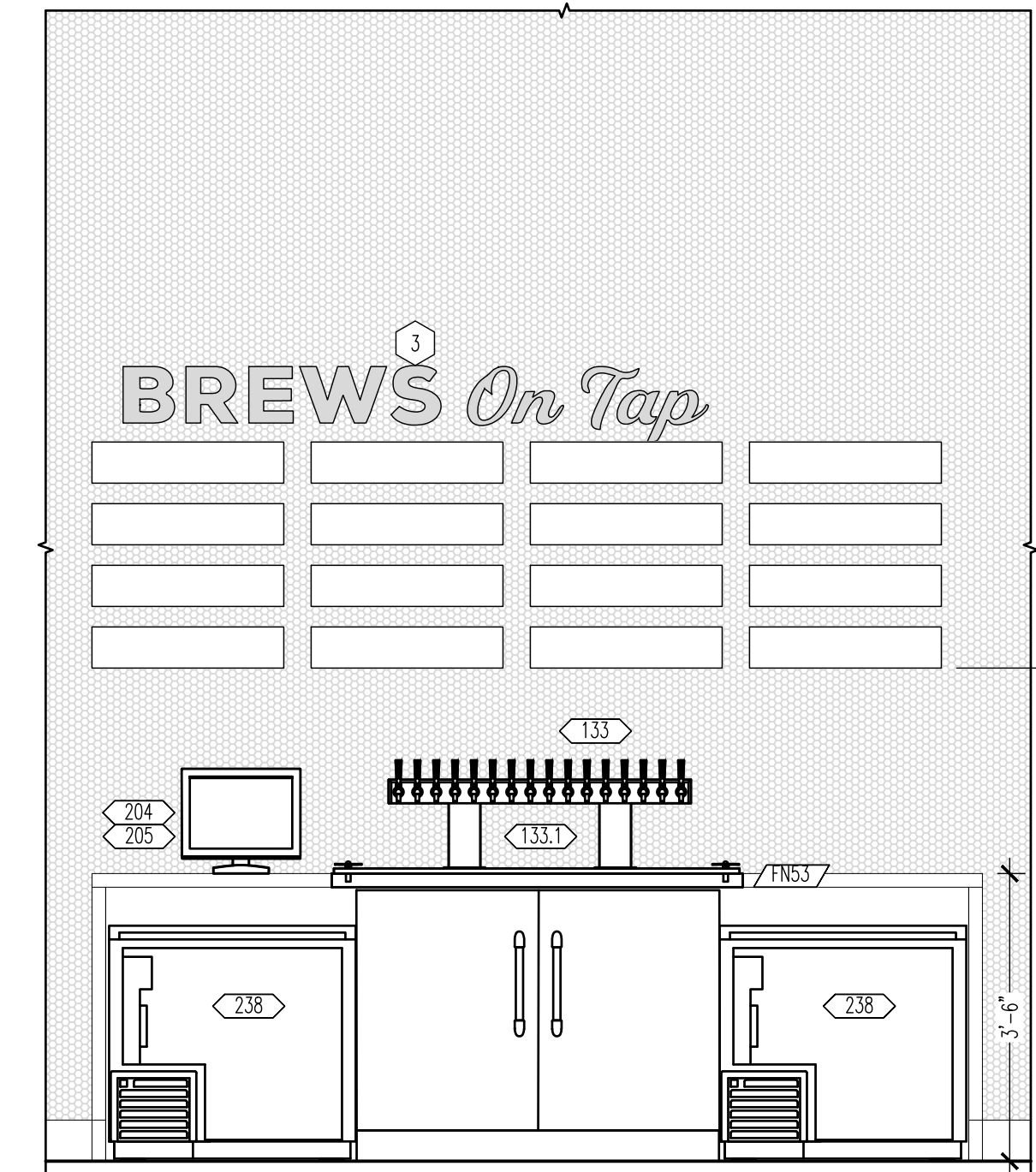
FOR BID ONLY



**01 ENLARGED BAR PLAN**  
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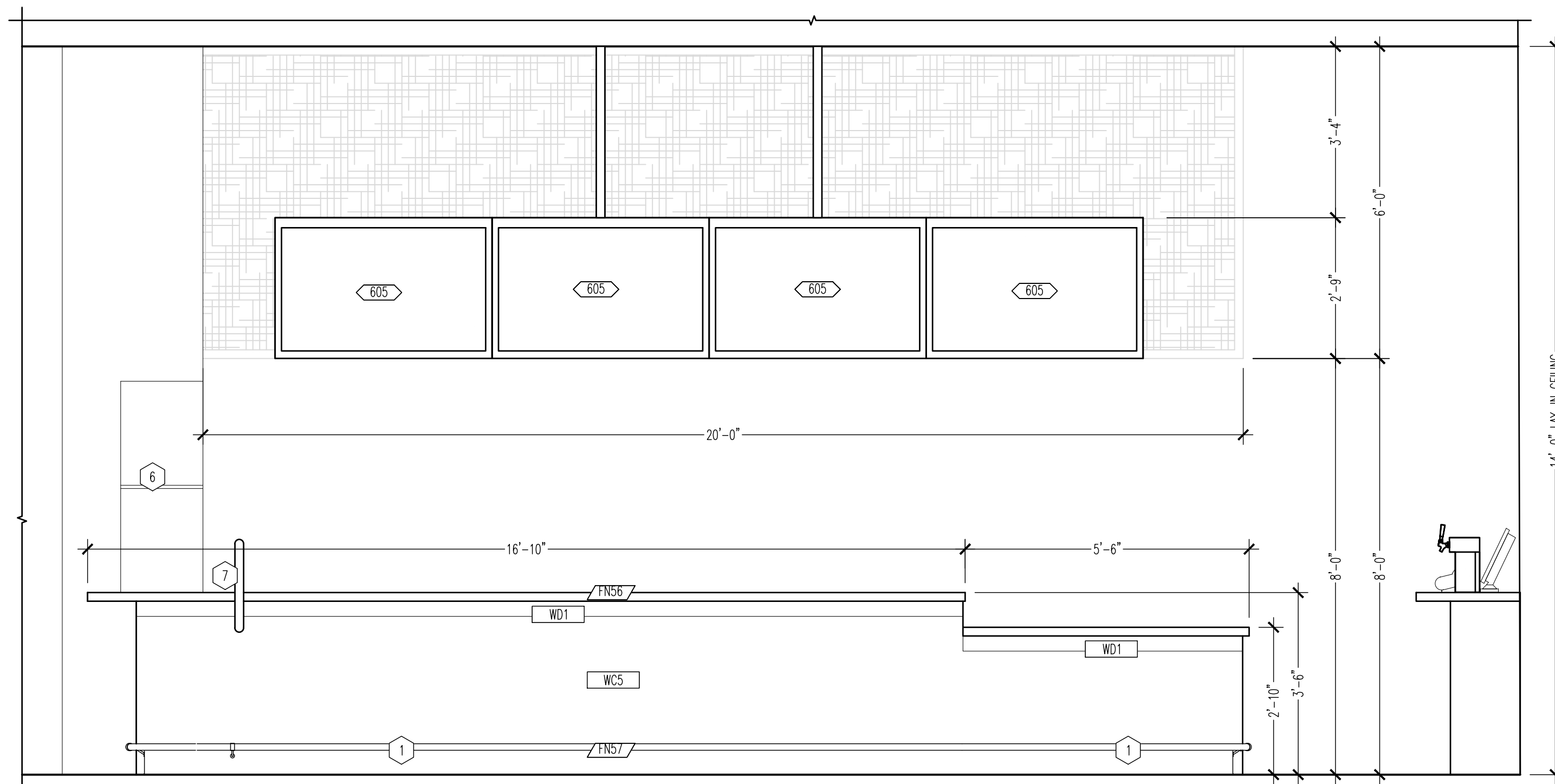
**02 ELEVATION FRONT BAR**  
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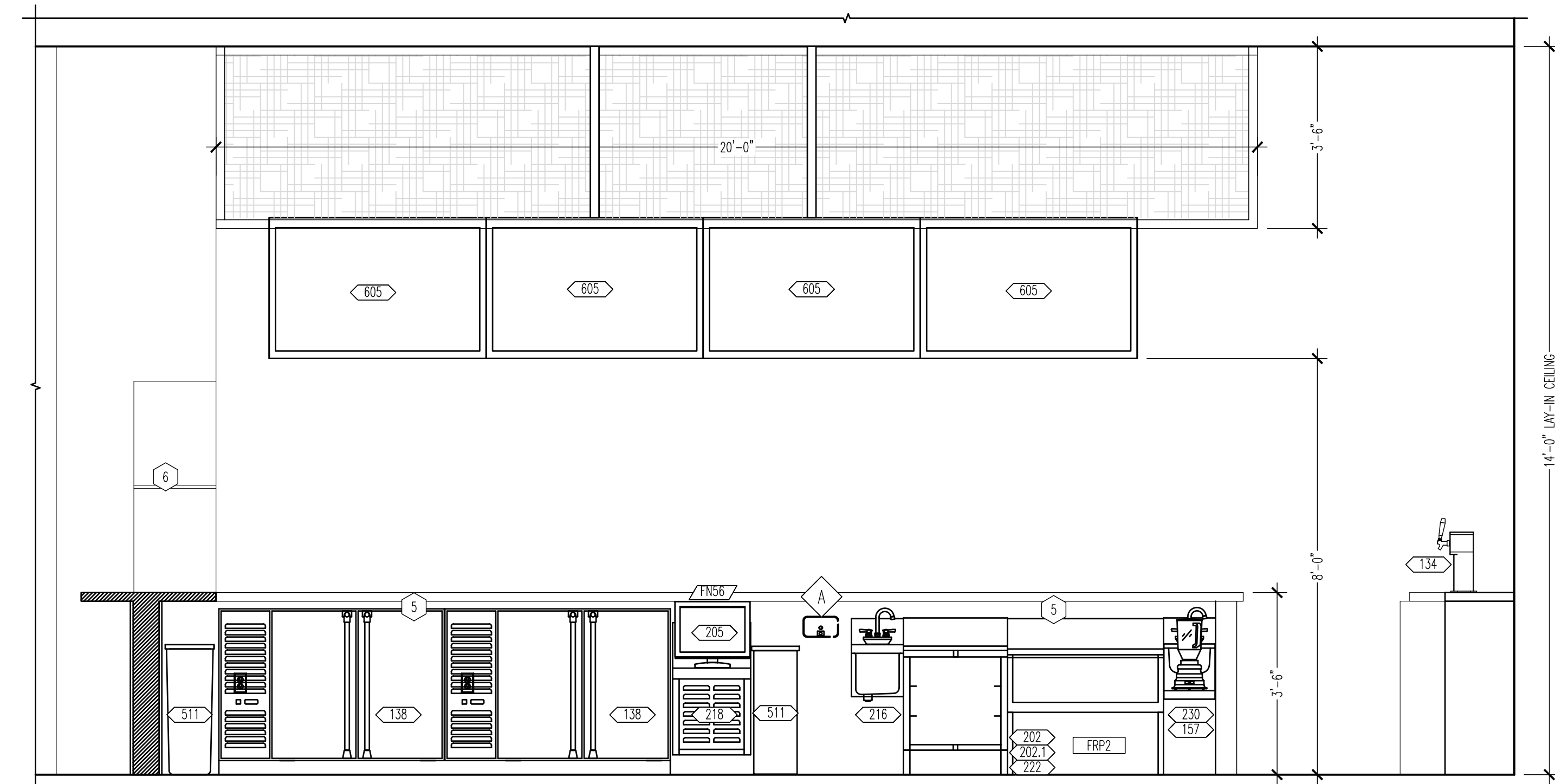
**03 ELEVATION BACK BAR**  
SCALE: 1/2"=1'-0"

- GENERAL NOTES**
- BACK BAR EQUIPMENT LAYOUT, SEE THIS SHEET AND E0100.
  - WALL FINISHES, SEE FINISH SCHEDULE SHEET A403.
  - ALL SURFACES BELOW COUNTERTOP IN BAR TO BE COVERED WITH FRPZ.
  - BACK BAR DESIGN AND LAYOUT IS THE PROPERTY OF BUFFALO WINGS & RINGS, INC.

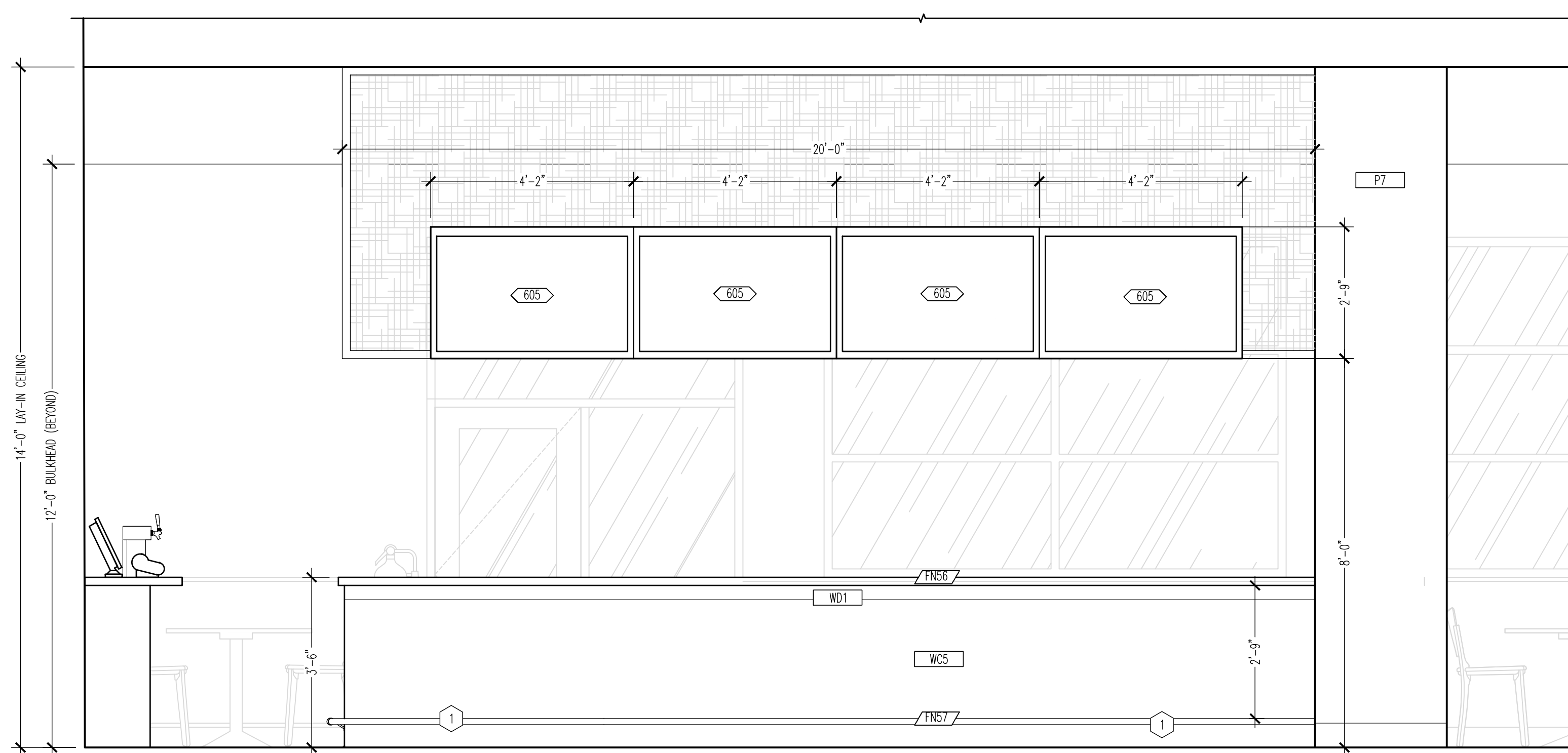
- KEY NOTES**
- FOOT RAIL PROVIDED BY FURNITURE VENDOR AND INSTALLED BY G.C.
  - CHASE SLEEVES TO BE CUT, SEALED, AND CAPPED AROUND LINES WITHIN 3" OF FINISHED FLOOR. G.C. IS RESPONSIBLE TO CUT DOWN PVC TO SAME LEVEL THROUGHOUT LOCATION PRIOR TO VENDOR INSTALLING ITEMS.
  - REFER TO A403 FOR GRAPHICS PLACEMENT.
  - G.C. TO UNPACK AND INSTALL ALL EQUIPMENT, FURNITURE, AND MILLWORK.
  - UNDER COUNTER LIGHTS BY G.C. REFER TO E100 FOR ADDITIONAL INFORMATION.
  - G.C. TO PROVIDE AND INSTALL INSET WALL SHELVES, REFER TO DETAIL 10/A002.
  - SERVICE RAIL, SEE EQUIPMENT PLAN.



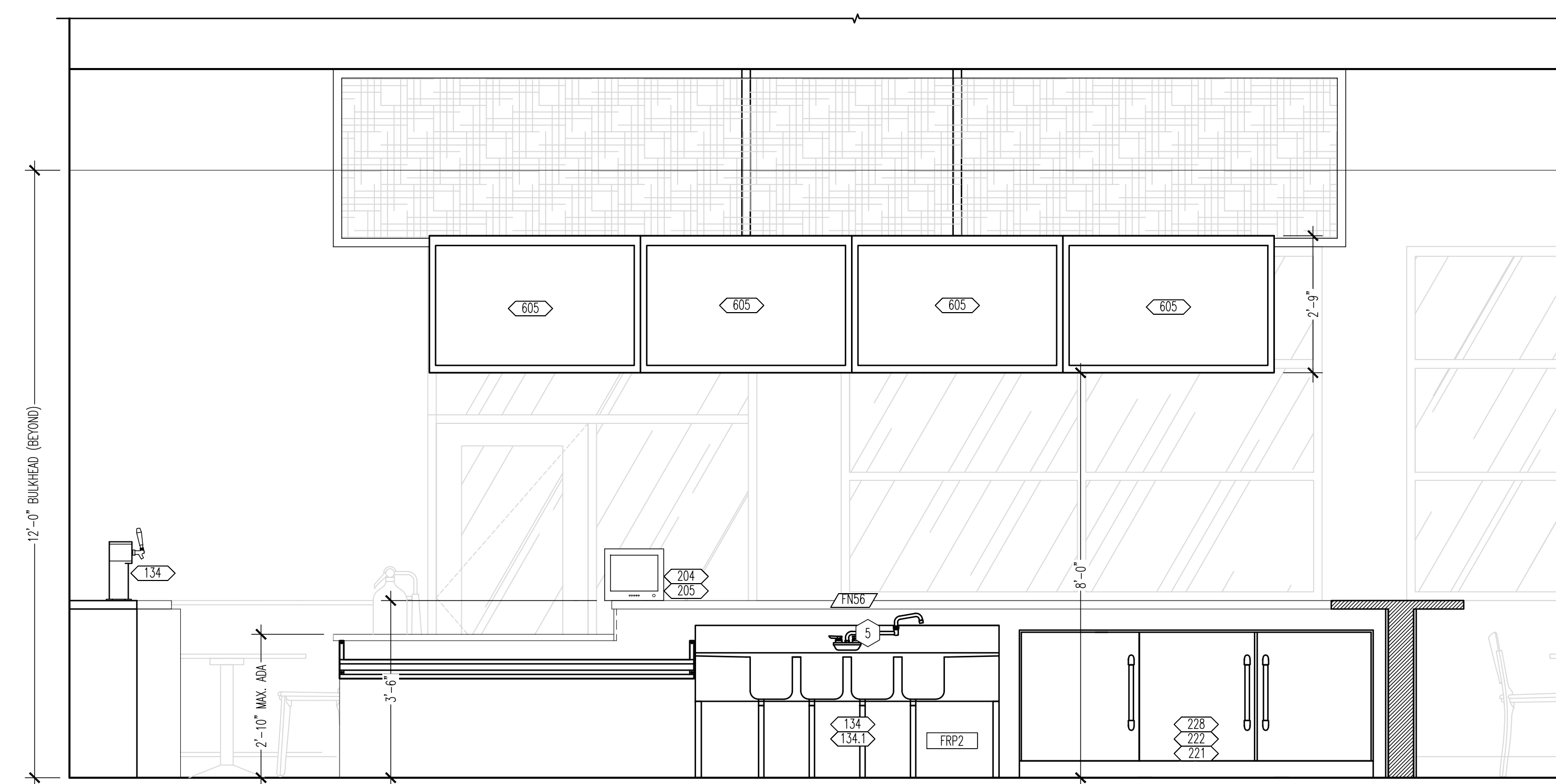
**04 ELEVATION BAR**  
SCALE: 1/2"=1'-0"



**05 ELEVATION BAR SIDE**  
SCALE: 1/2"=1'-0"



**06 ELEVATION BAR**  
SCALE: 1/2"=1'-0"



**07 ELEVATION BAR SIDE**  
SCALE: 1/2"=1'-0"

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**DRAWING ISSUE**

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1	BID AND PERMIT	11/25/20

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12/1/2020

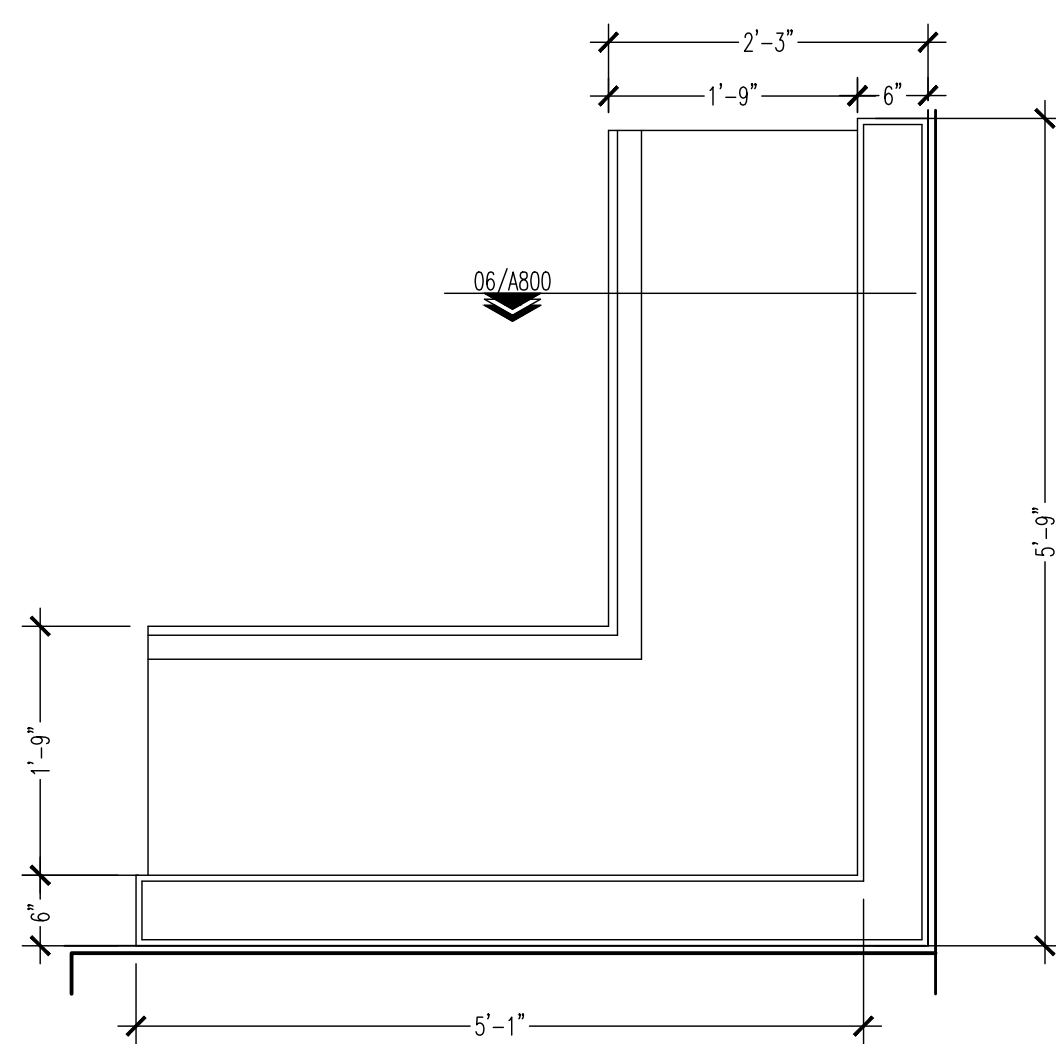
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Drawn By: GJB Checked LJD

**PROJECT NUMBER**  
20-0501

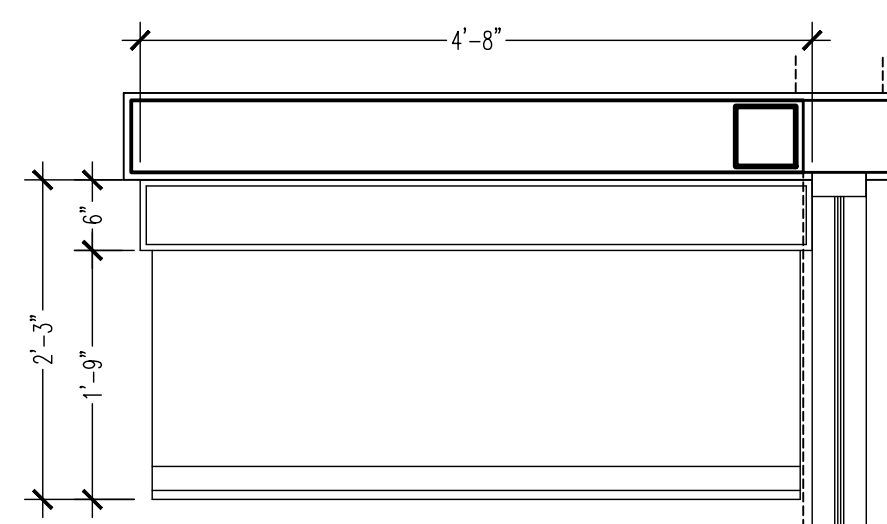
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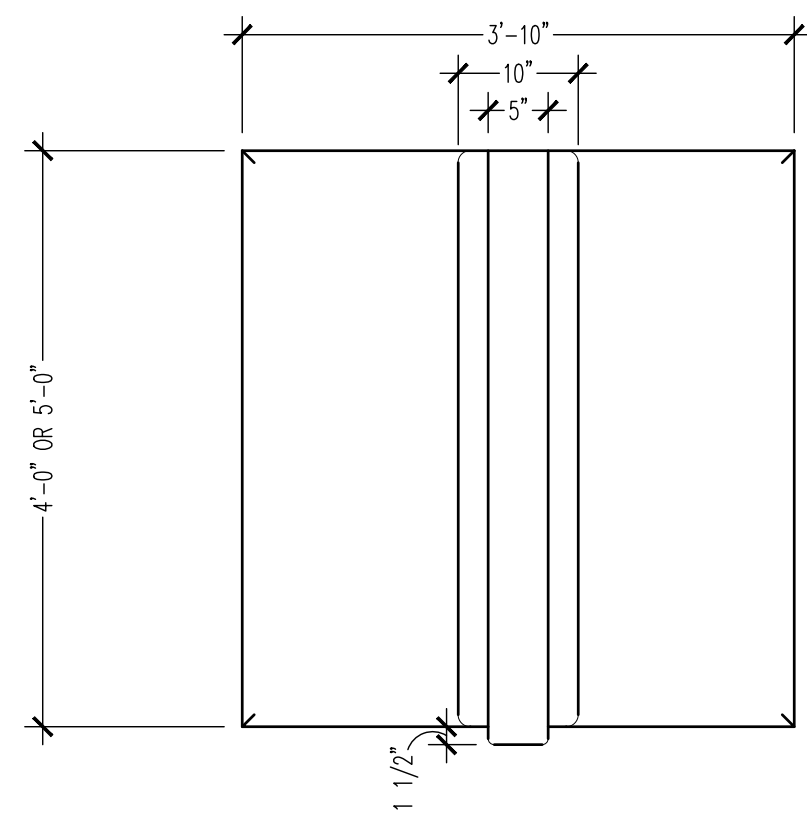
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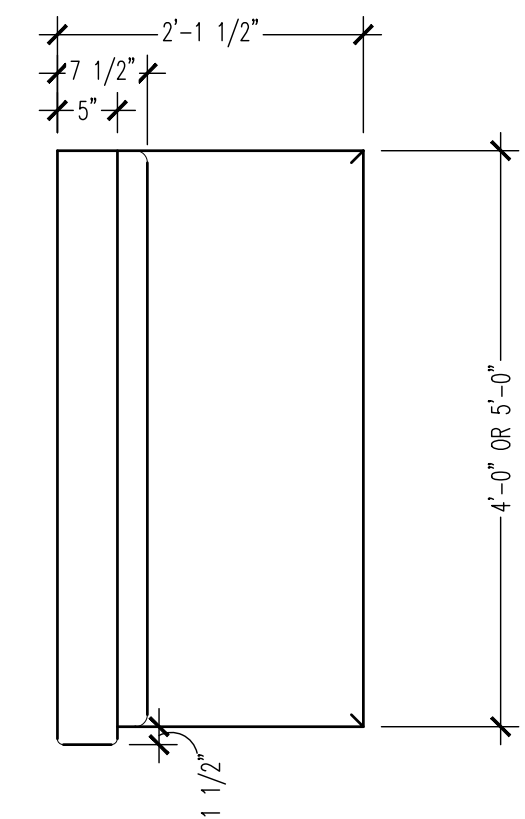
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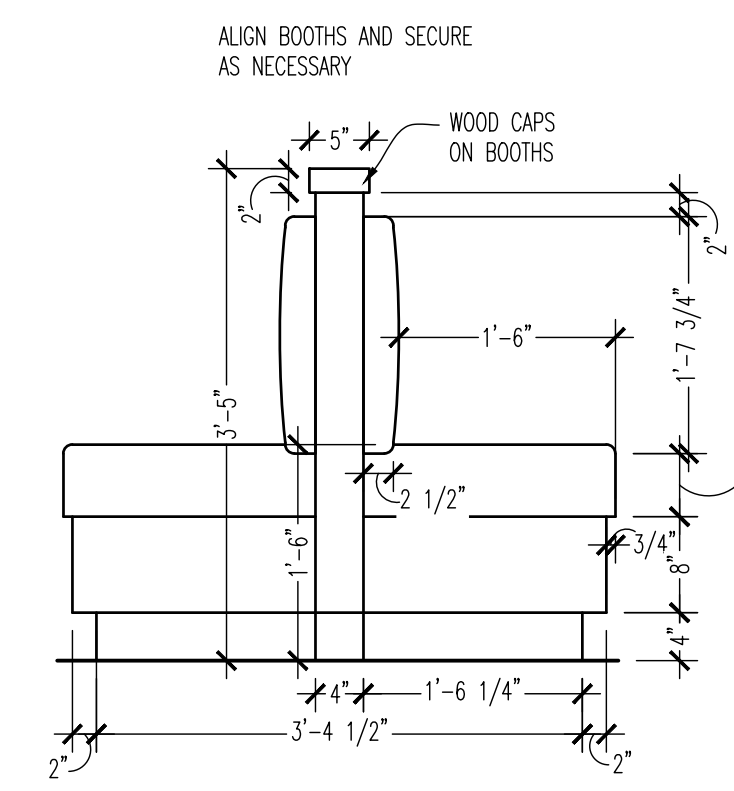
**01A WAIT BENCH (FN52)**  
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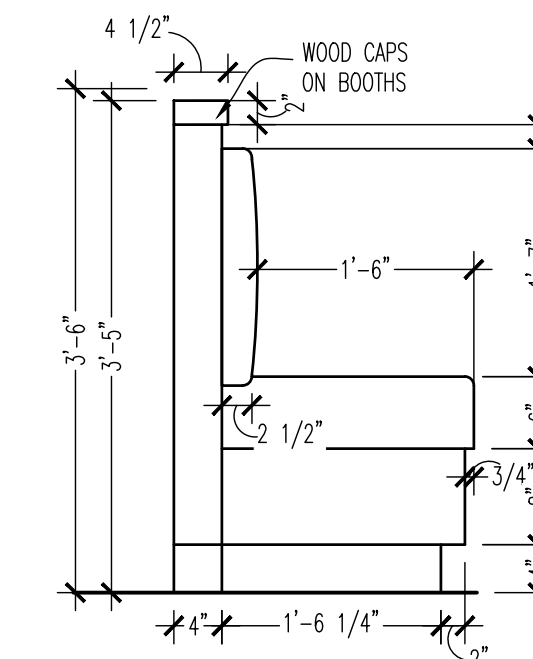
**02 BOOTH BENCH DOUBLE**  
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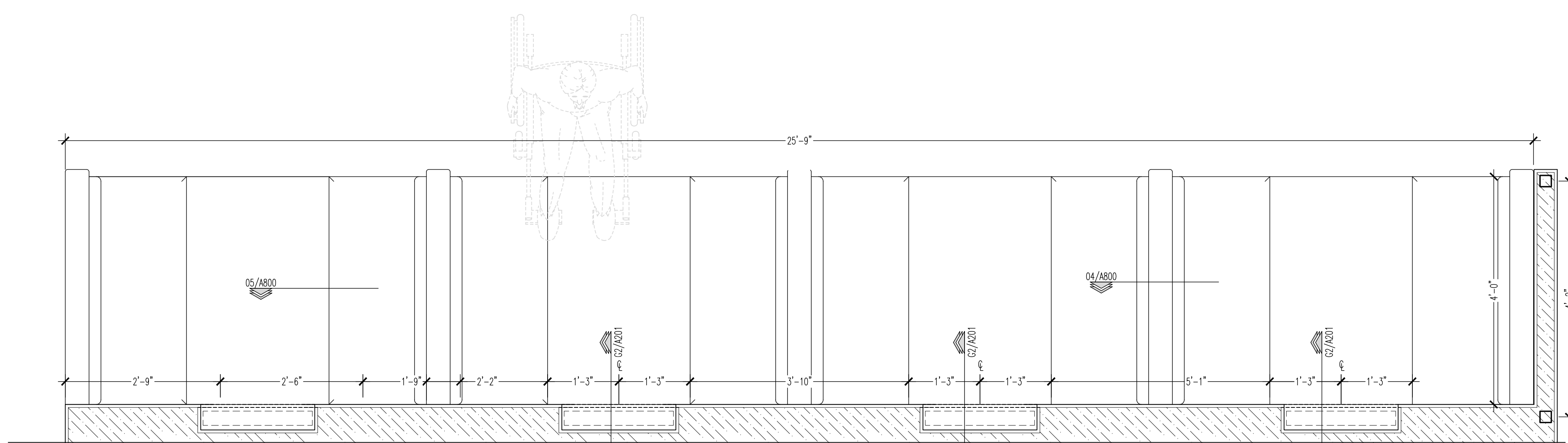
**03 BOOTH BENCH SINGLE**  
 SCALE: 3/4"=1'-0"



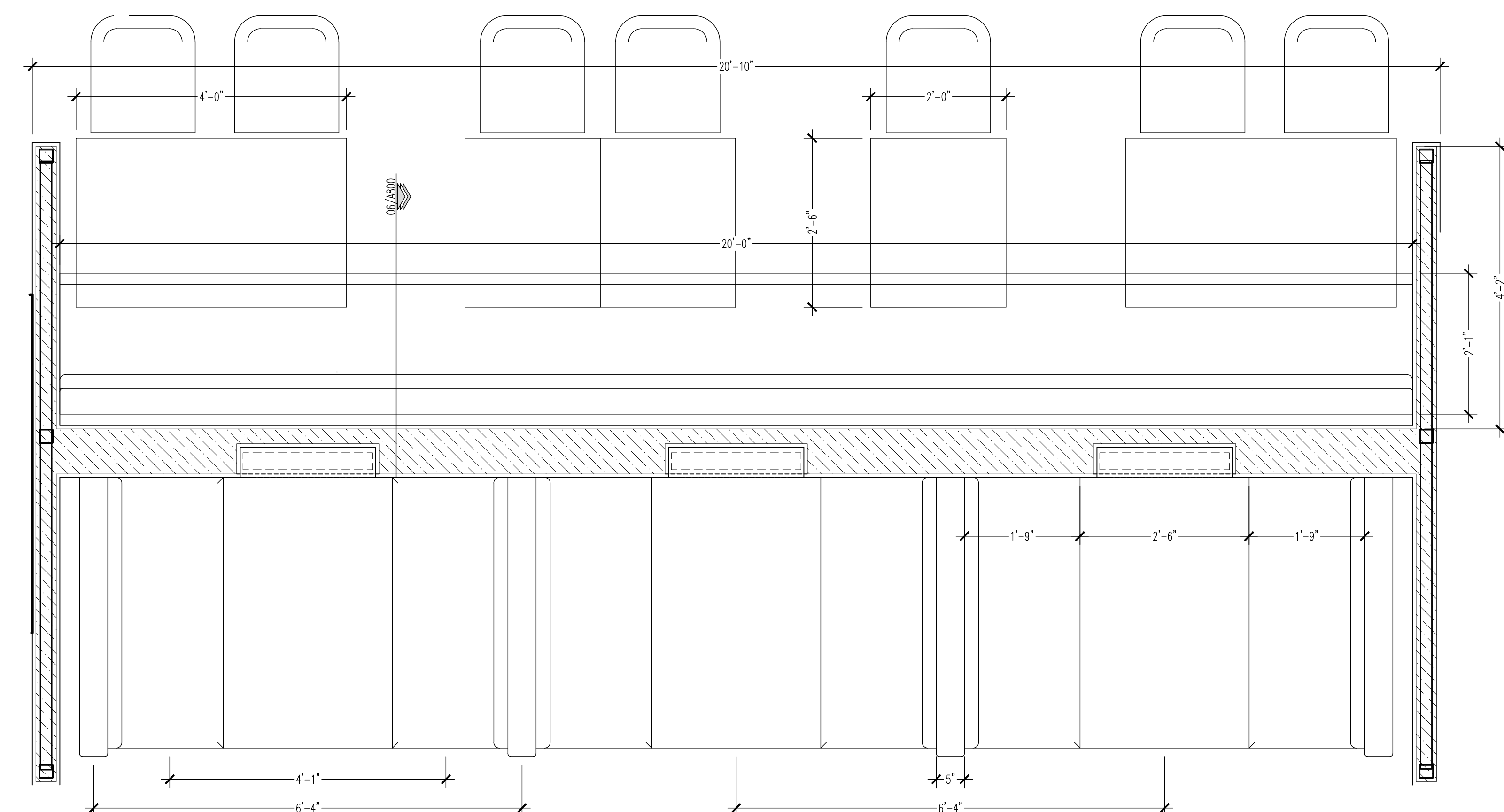
**04 BOOTH DOUBLE BENCH**  
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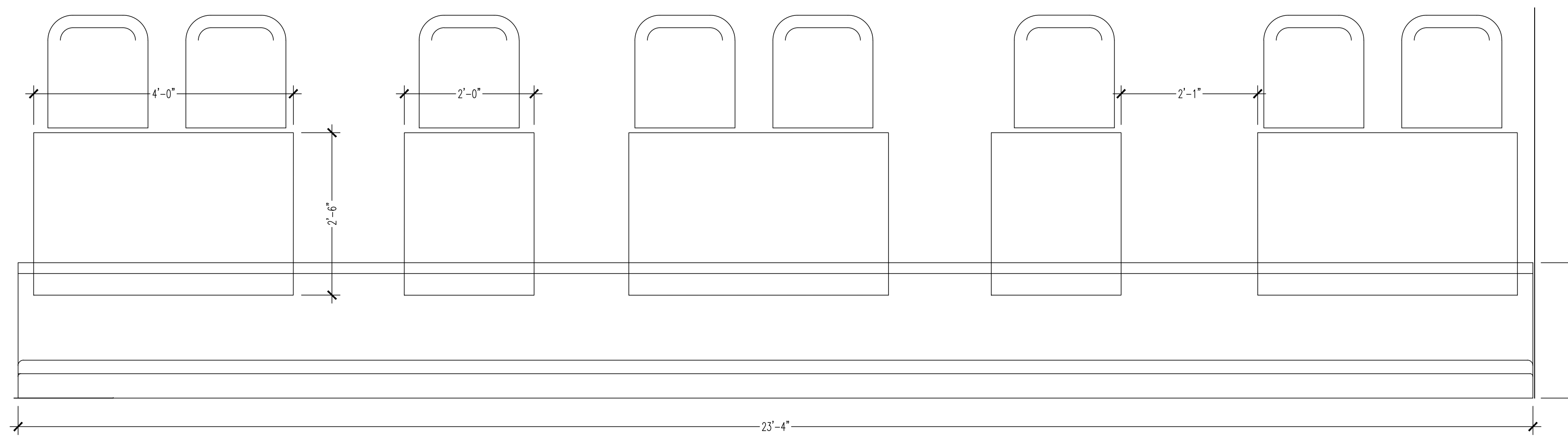
**05 BOOTH BENCH SINGLE**  
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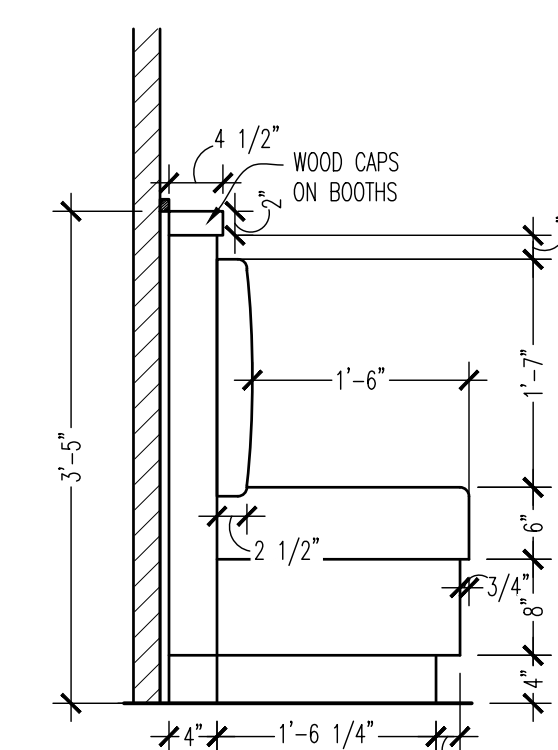
**06 WALL MOUNT SETTEE**  
 SCALE: 3/4"=1'-0"



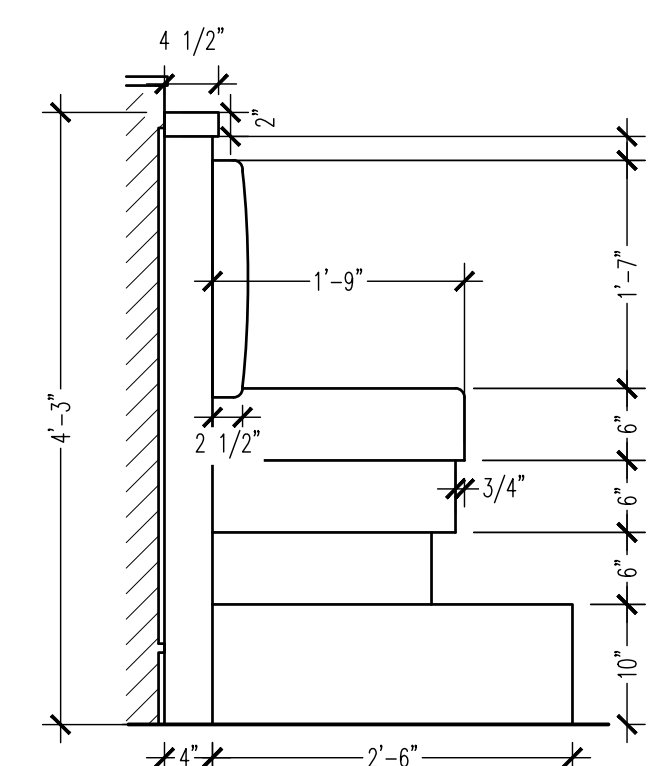
**10 WALL MOUNT SETTEE**  
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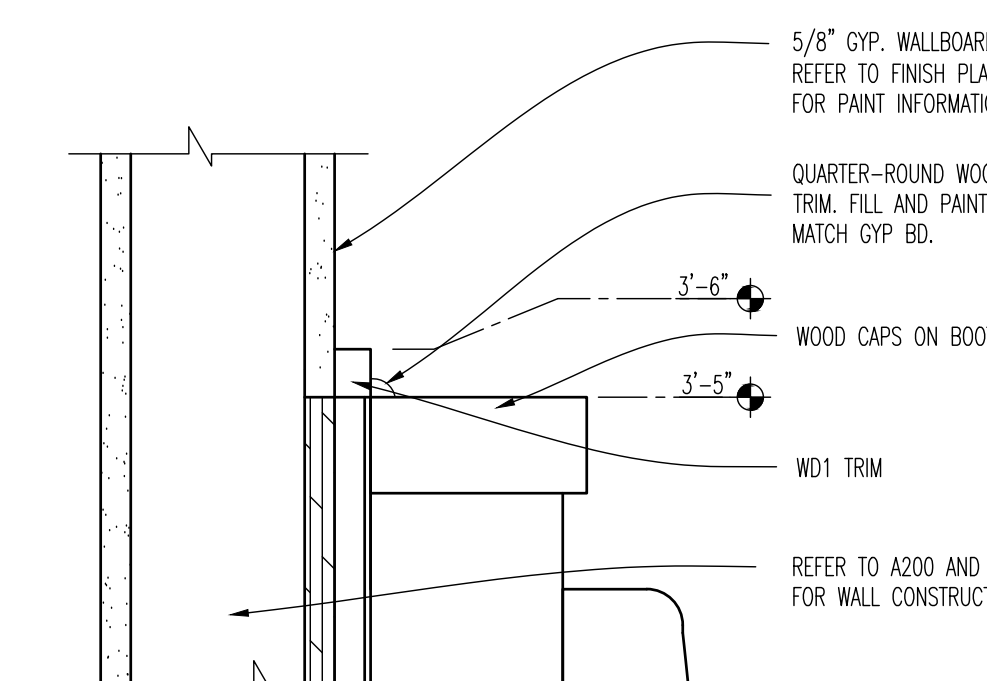
**11 WALL MOUNT SETTEE**  
 SCALE: 3/4"=1'-0"



**07 WALL MOUNT SETTEE**  
 SCALE: 3/4"=1'-0"



**08 WALL MOUNT SETTEE BENCH-HIGH**  
 SCALE: 3/4"=1'-0"



**09 BOOTH TRIM DETAIL**  
 SCALE: 3/4"=1'-0"



NO.	DESCRIPTION	DATE
1	BID AND PERMIT	11/25/20

12/1/2020
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MILL WORK DETAILS - FURNITURE	SCALE: 3/4" = 1'-0"	Checked LJD
Drawn By: CJB		

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**BUFFALO WINGS AND RINGS**  
 720 BYPASS ROAD  
 CAMPBELLVILLE, KY, 42718



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NO.	DATE
	11/25/20
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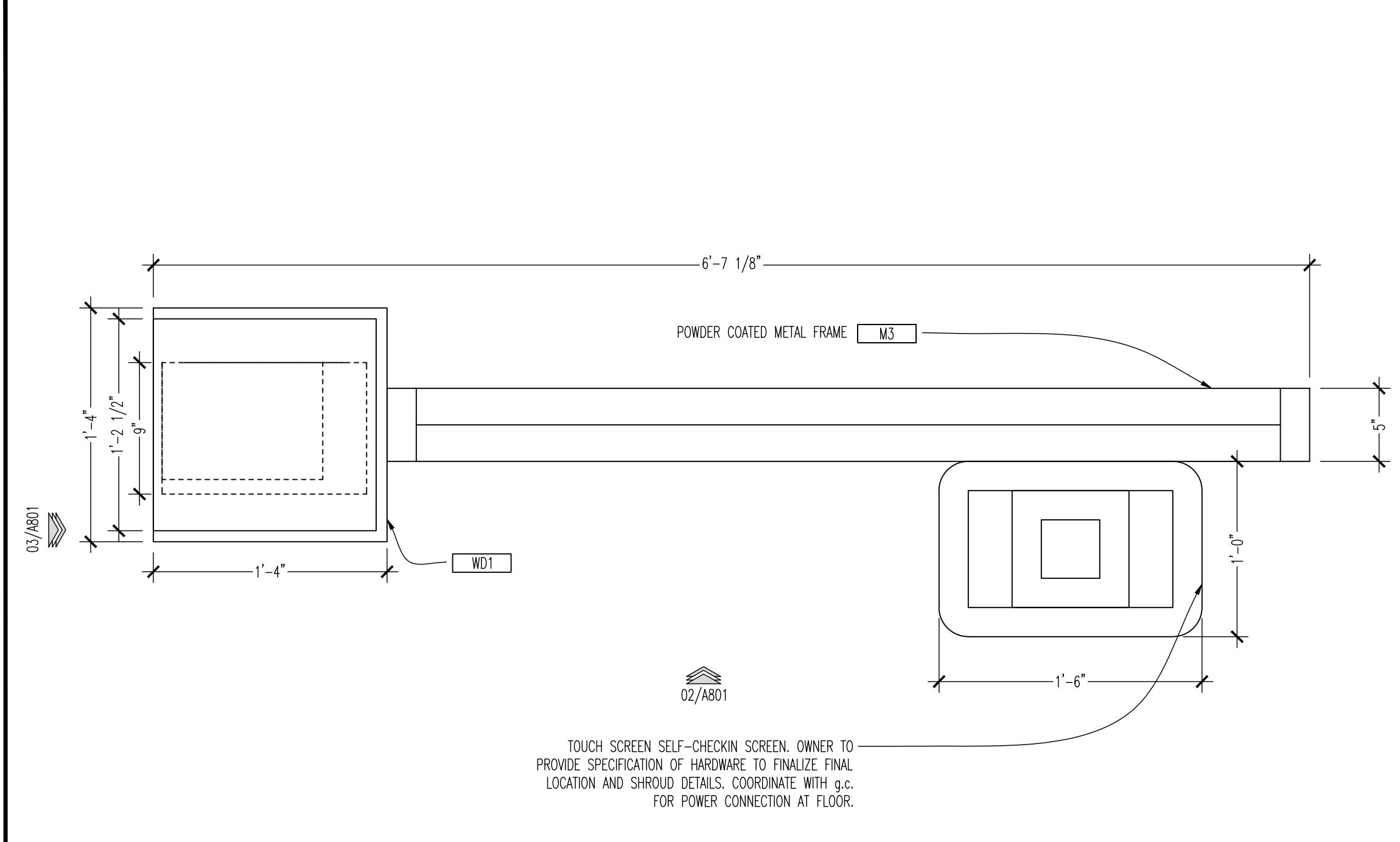
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 Drawn By: BSA Checked: JDU

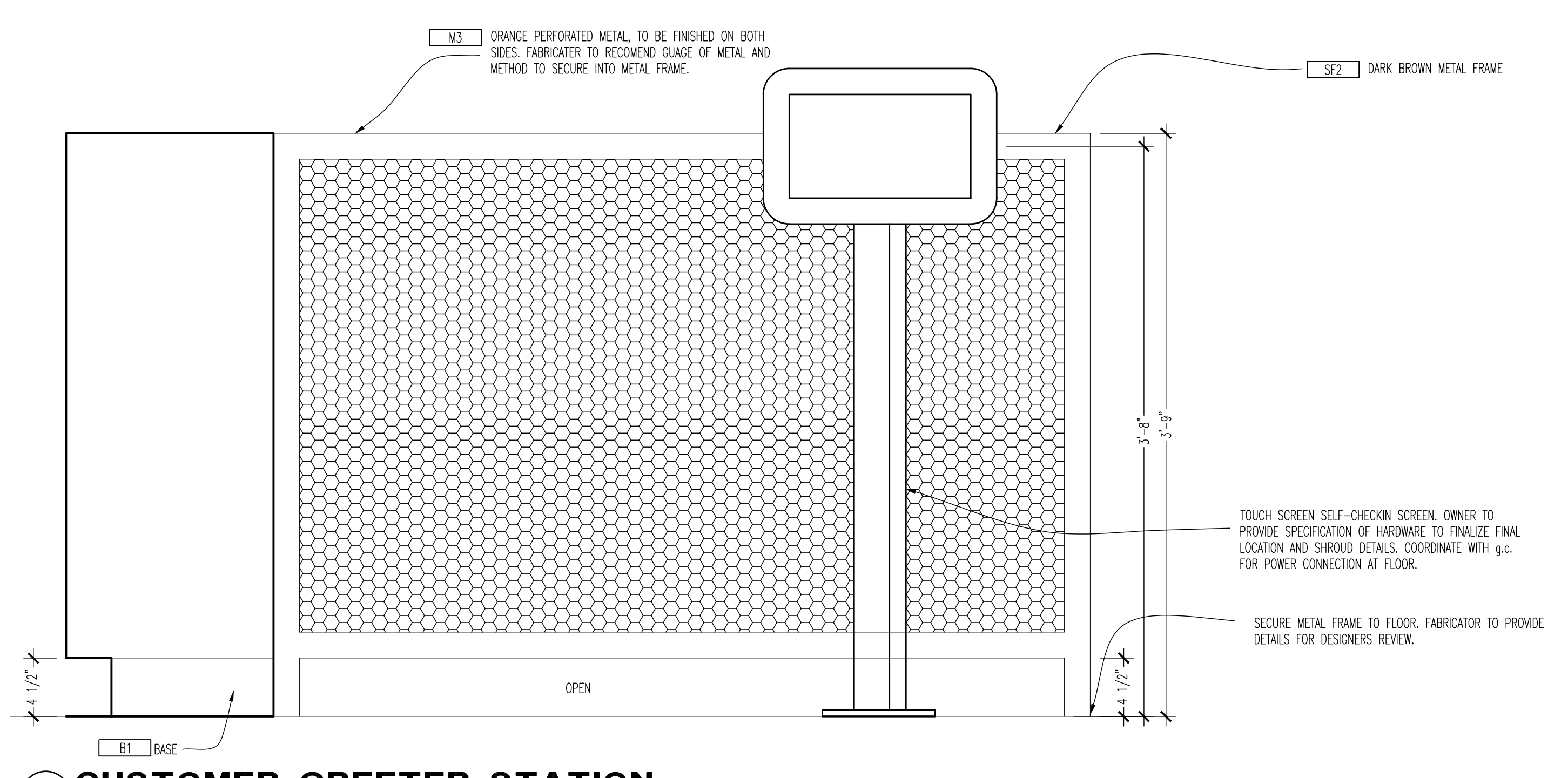
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SHEET NUMBER  
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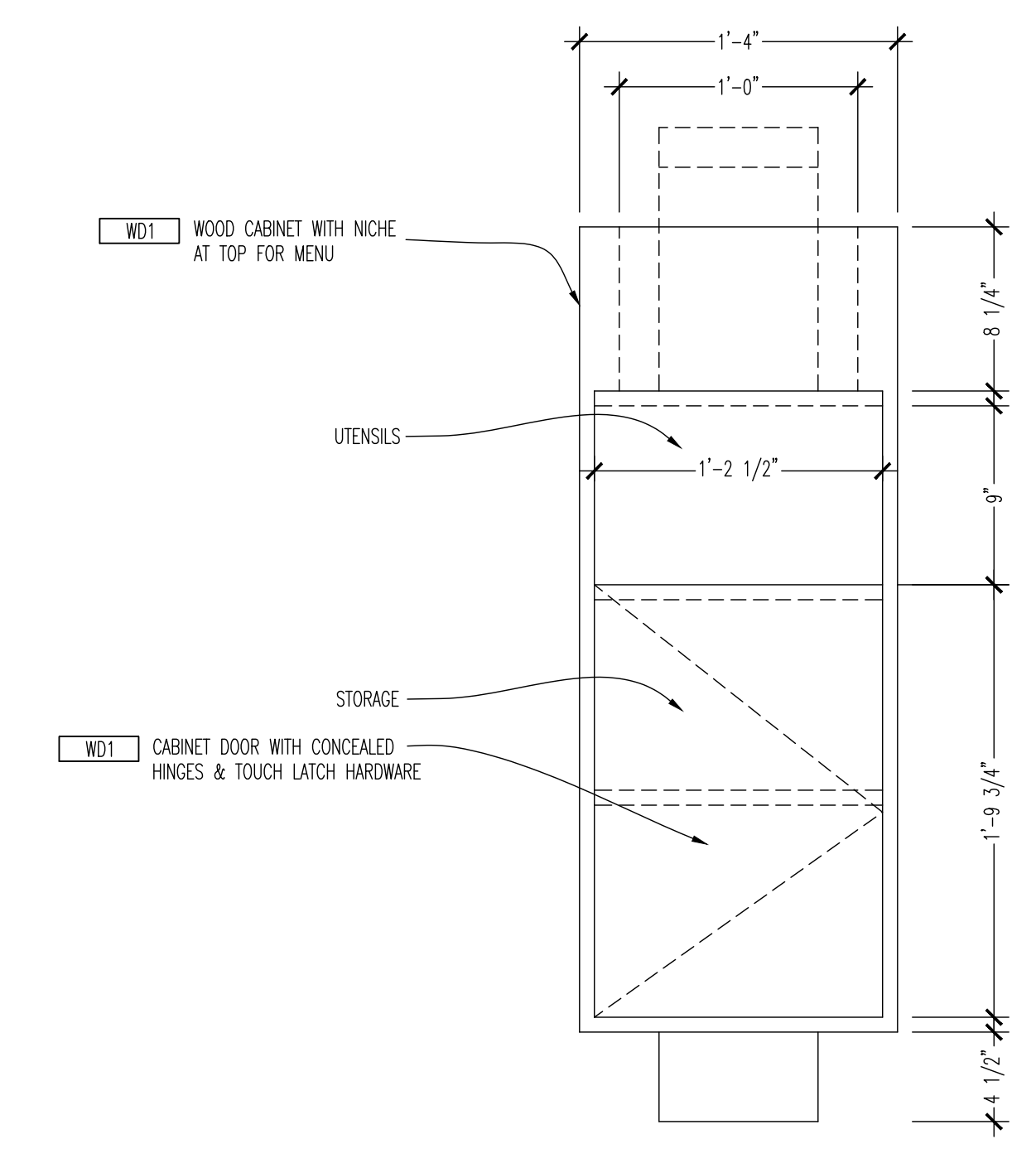
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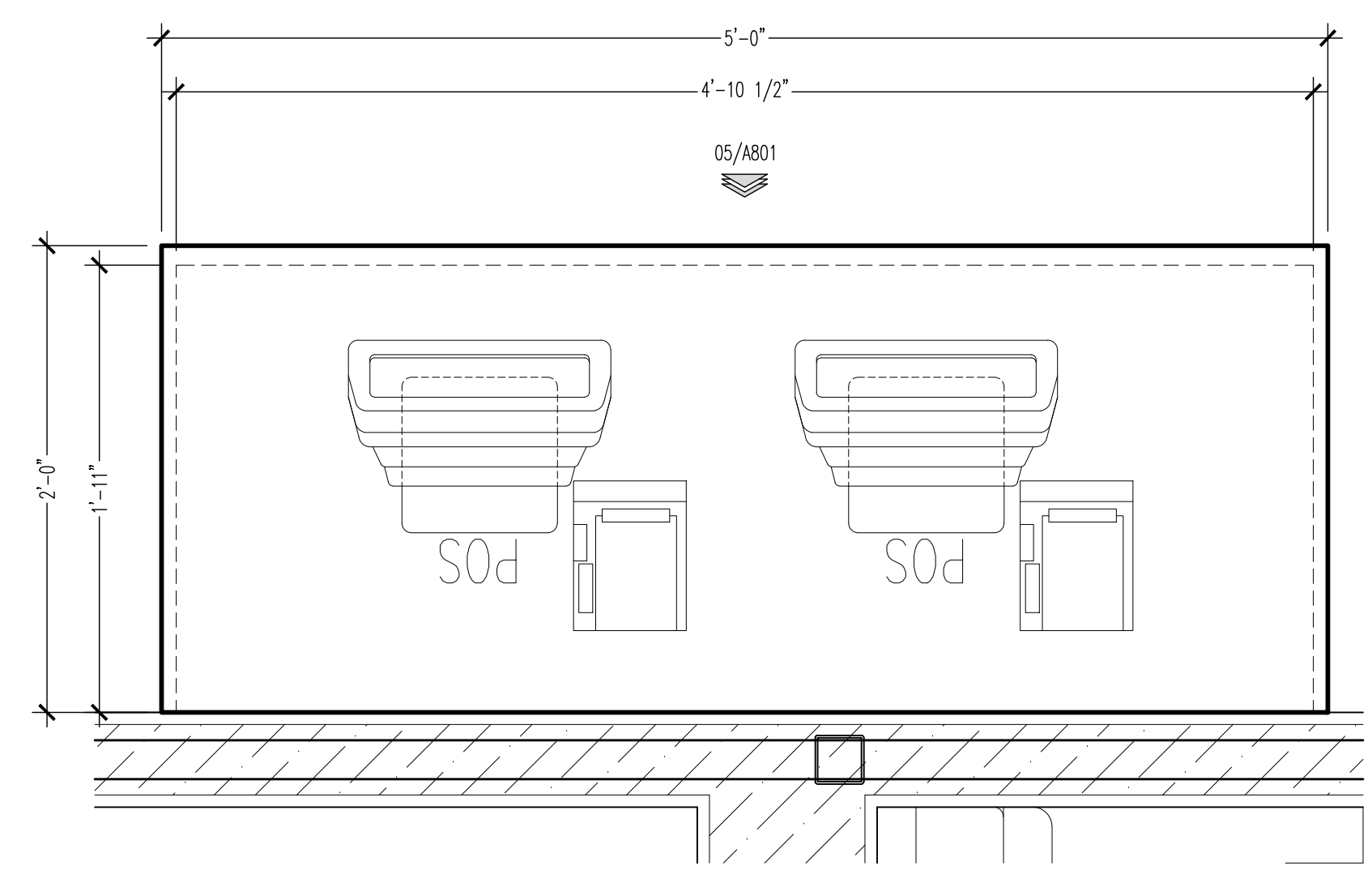
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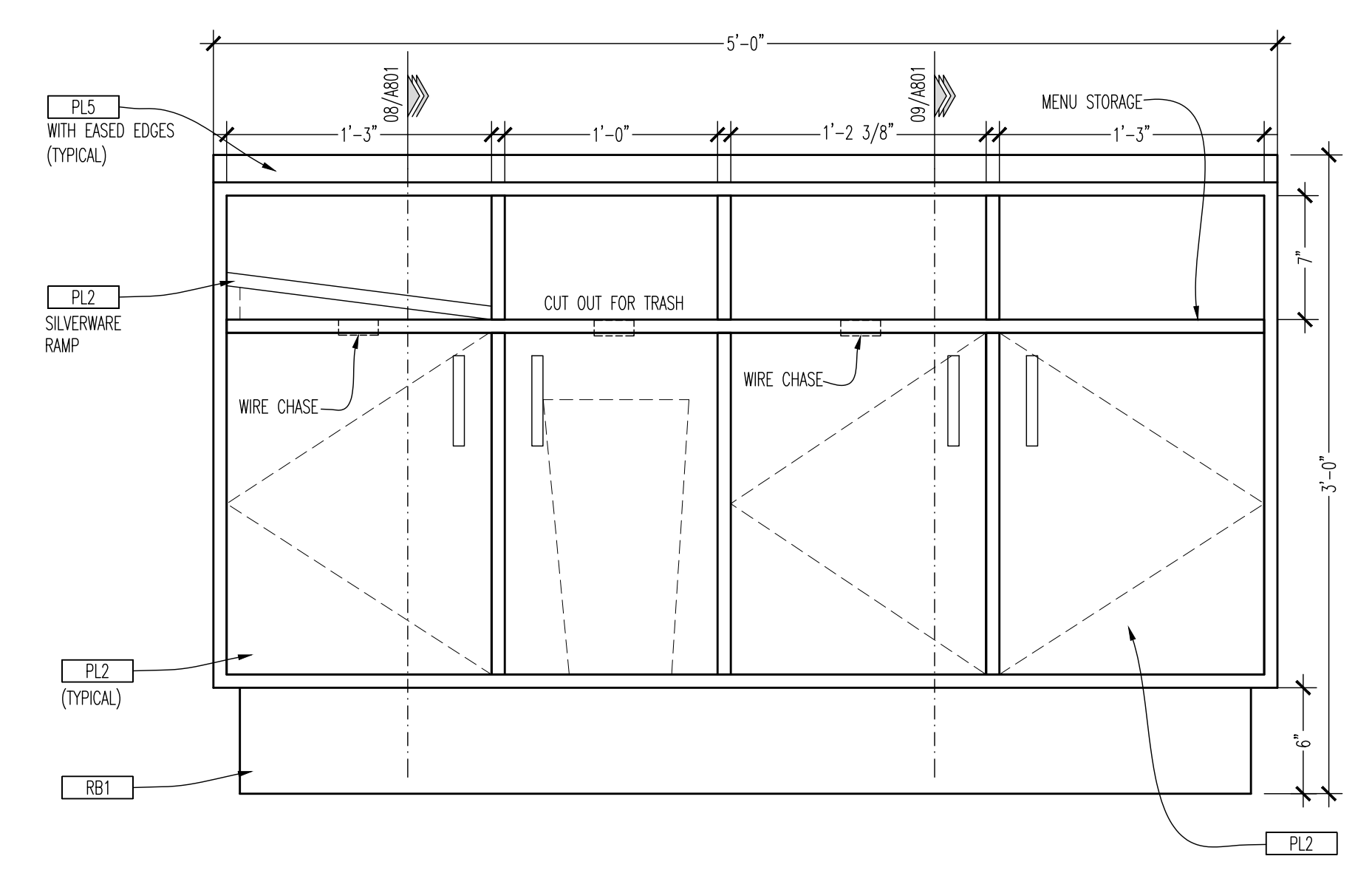
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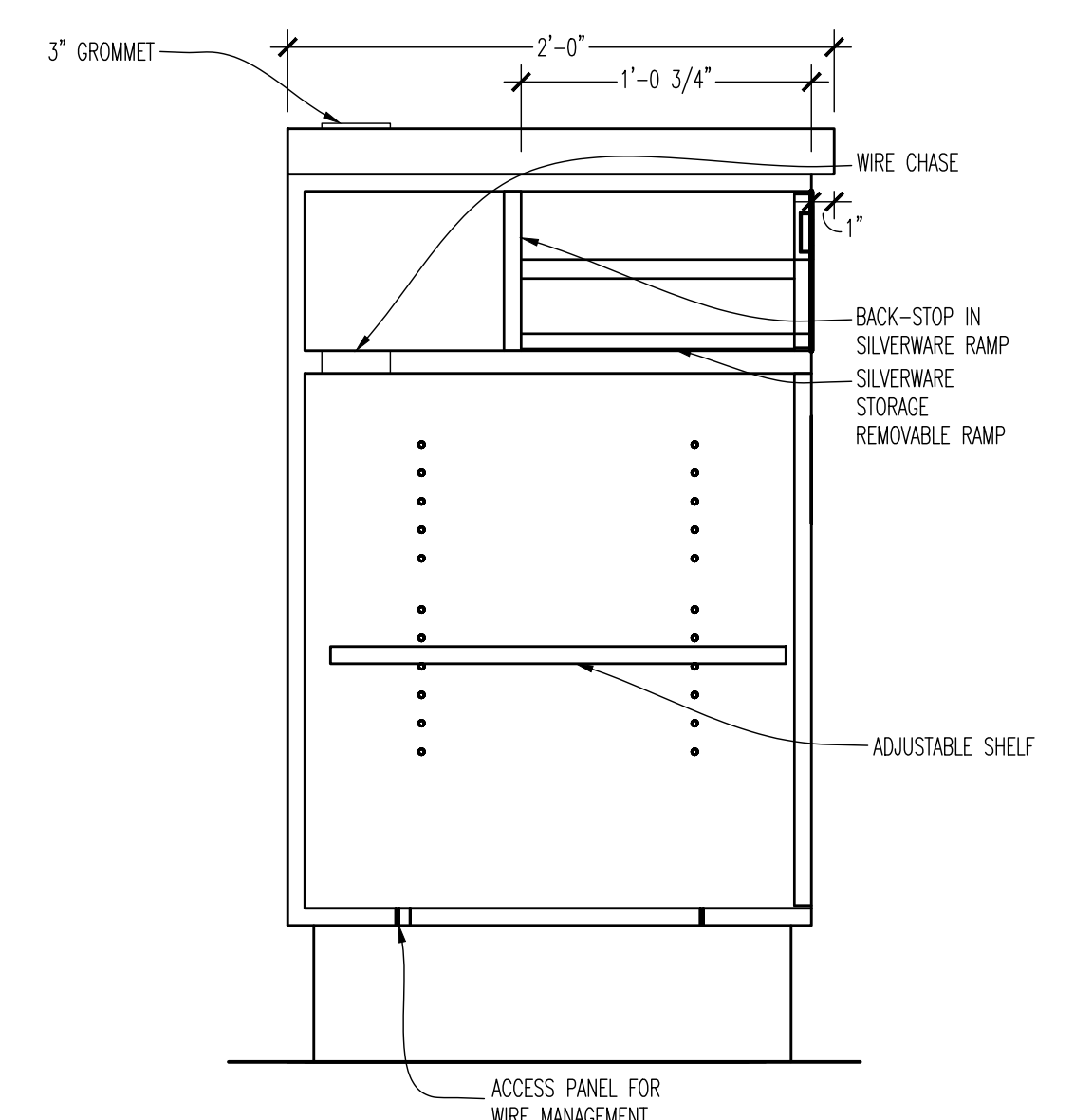
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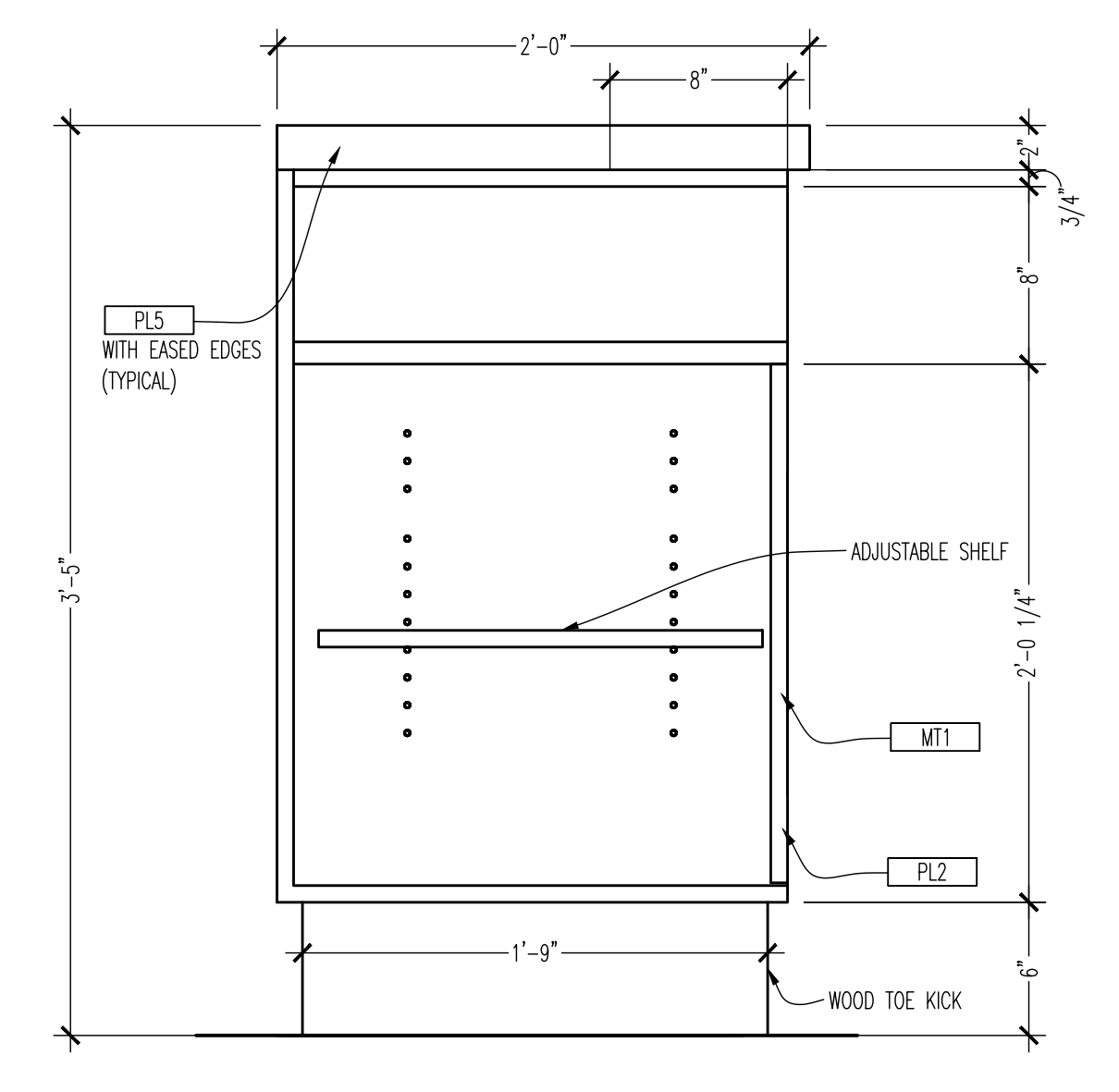
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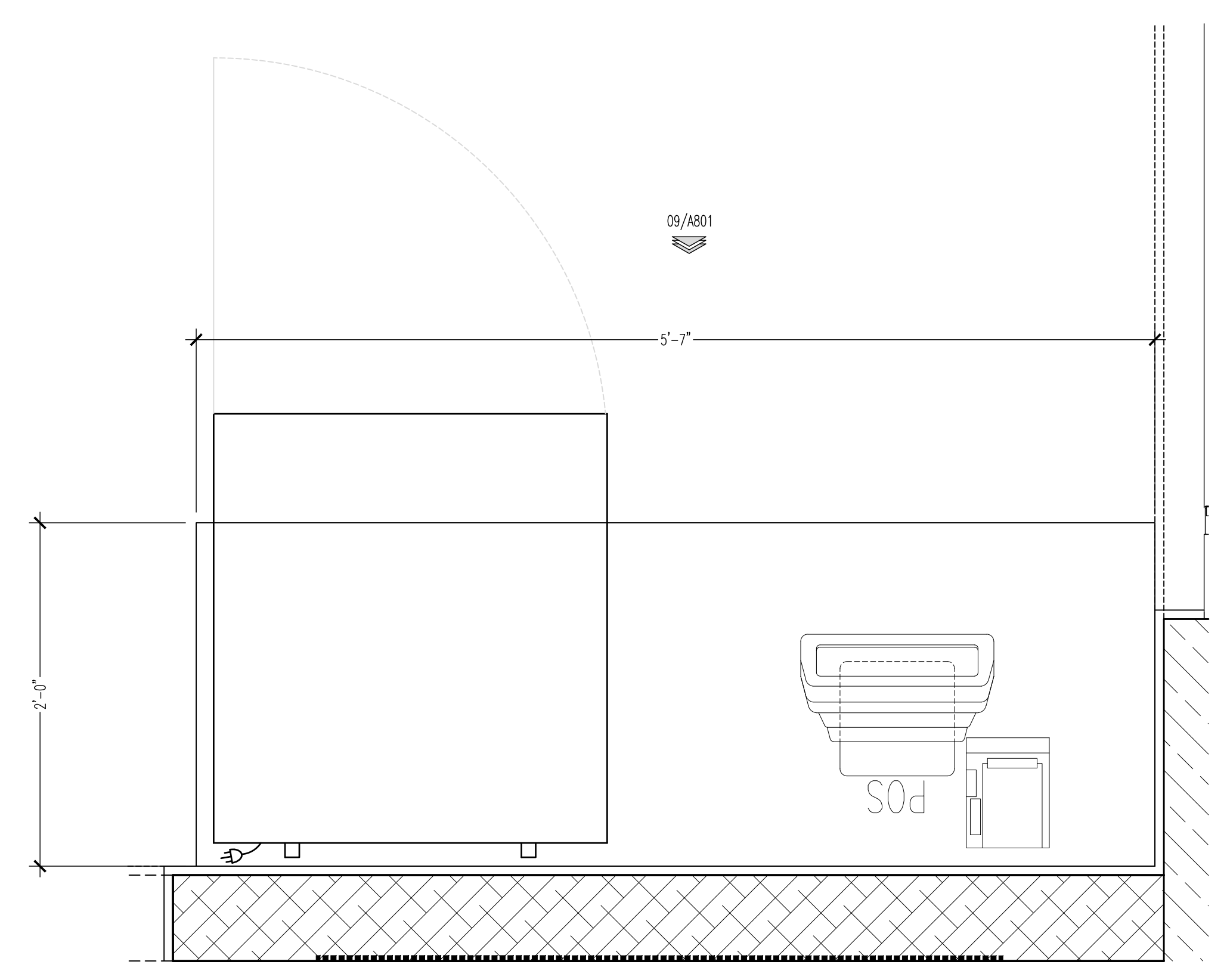
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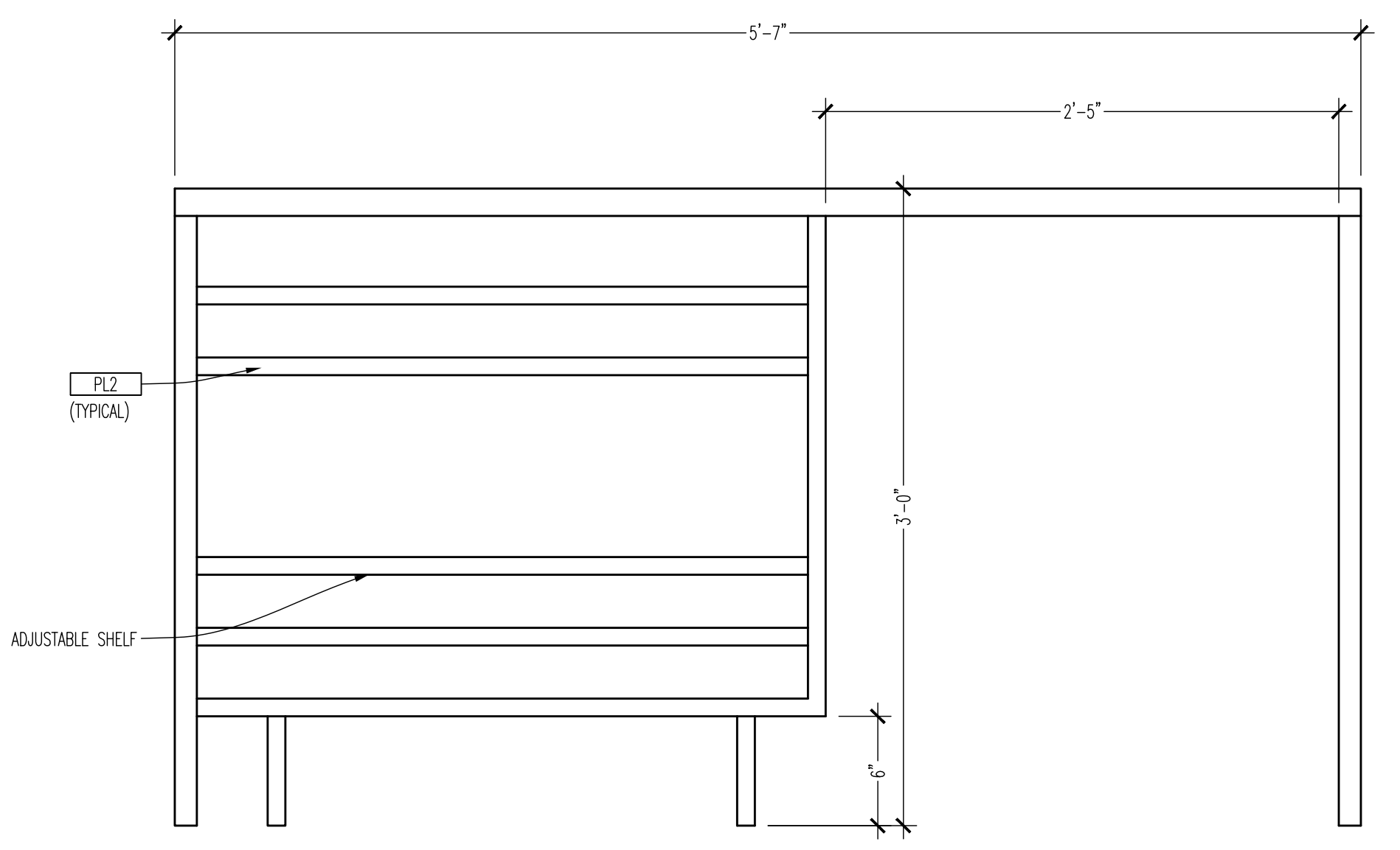
**06 SERVICE STATION**  
 SCALE: 1-1/2"=1'-0"



**07 SERVICE STATION**  
 SCALE: 1-1/2"=1'-0"



**08 TAKE OUT STATION**  
 SCALE: 1-1/2"=1'-0"



**09 TAKE OUT STATION**  
 SCALE: 1-1/2"=1'-0"

ORIGINAL PRINT SIZE - 30 X 42

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 720 BYPASS ROAD  
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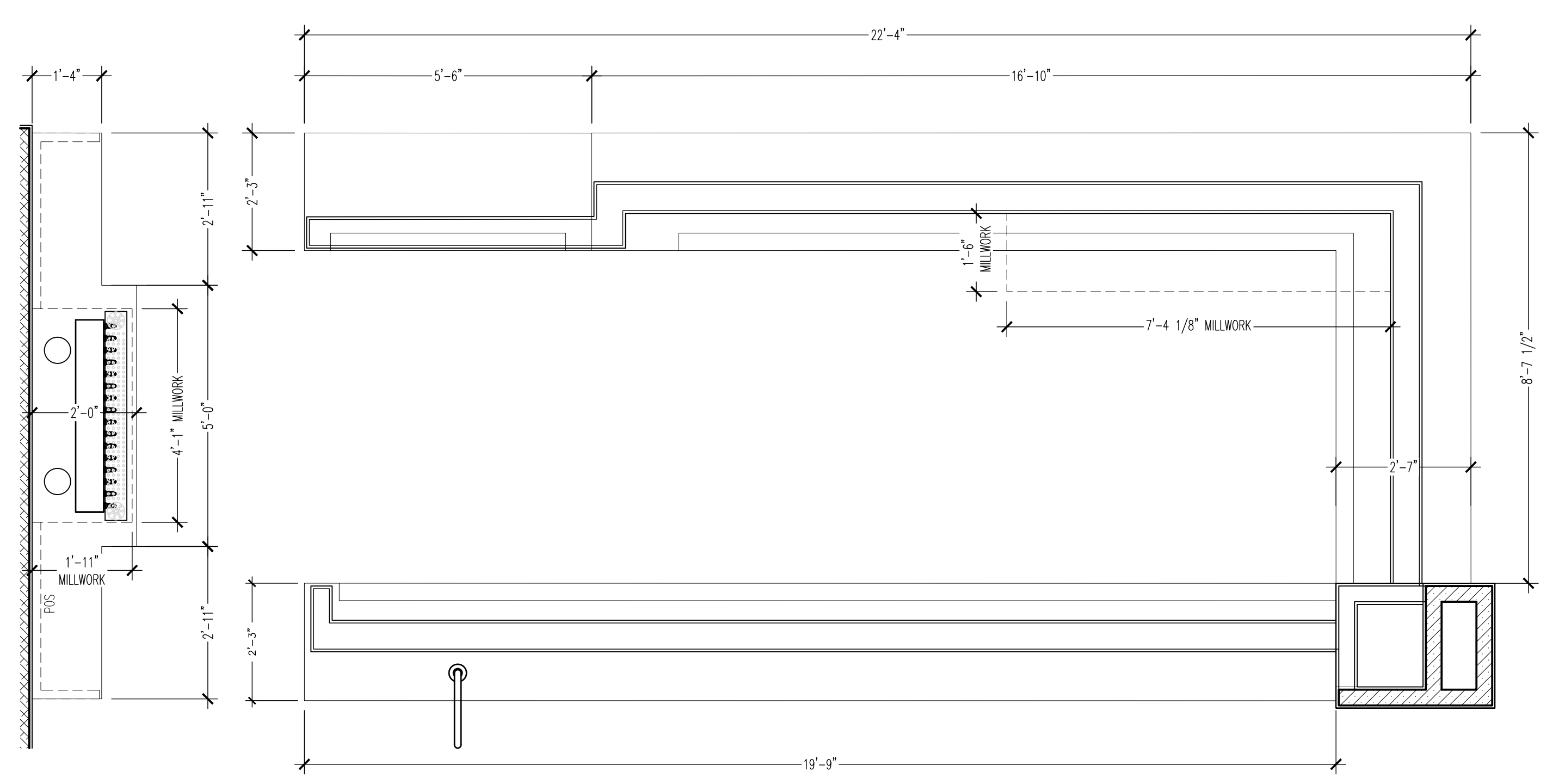
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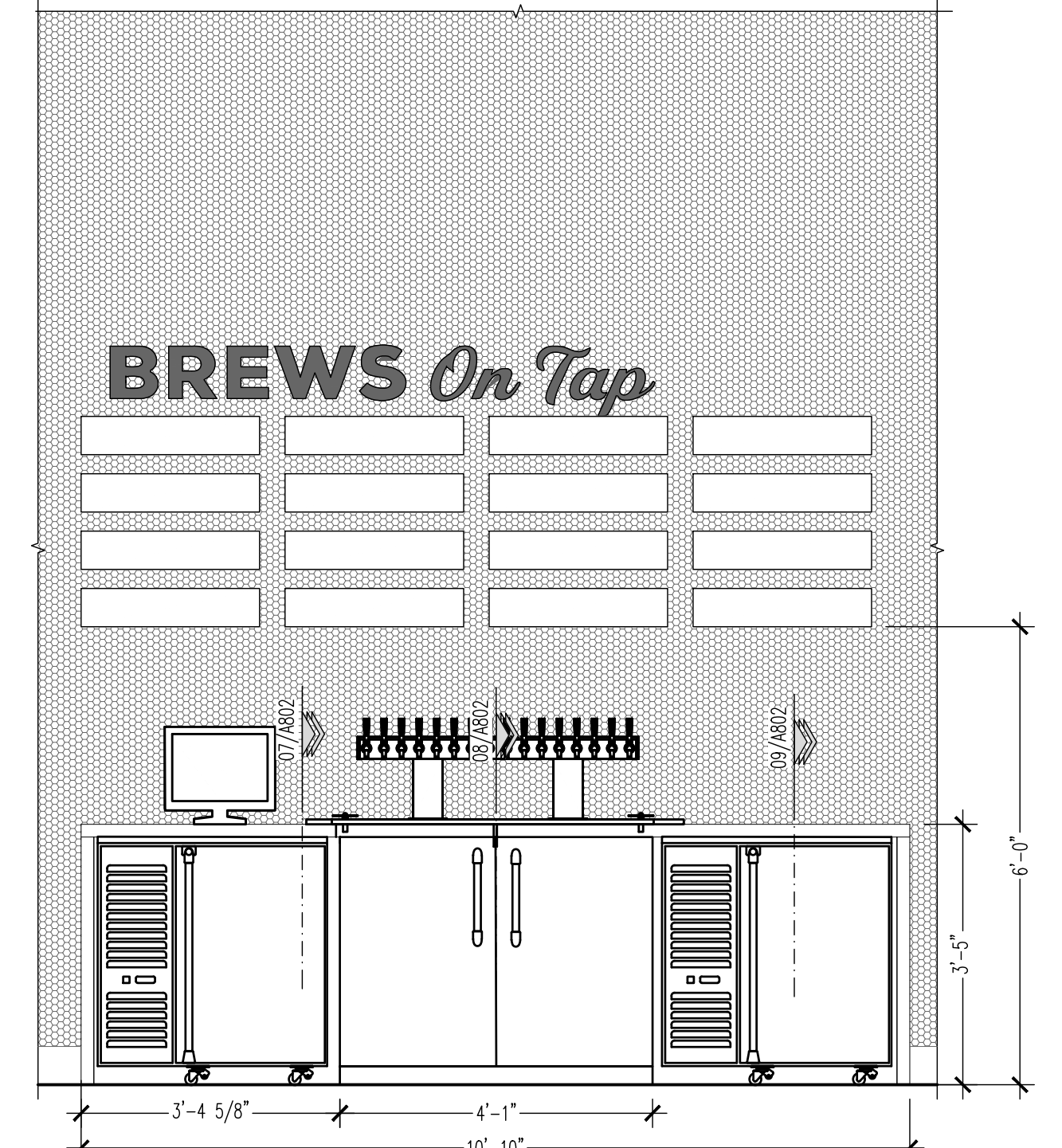
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 Drawn By: CJB Checked LJD

PROJECT NUMBER  
 20-0501

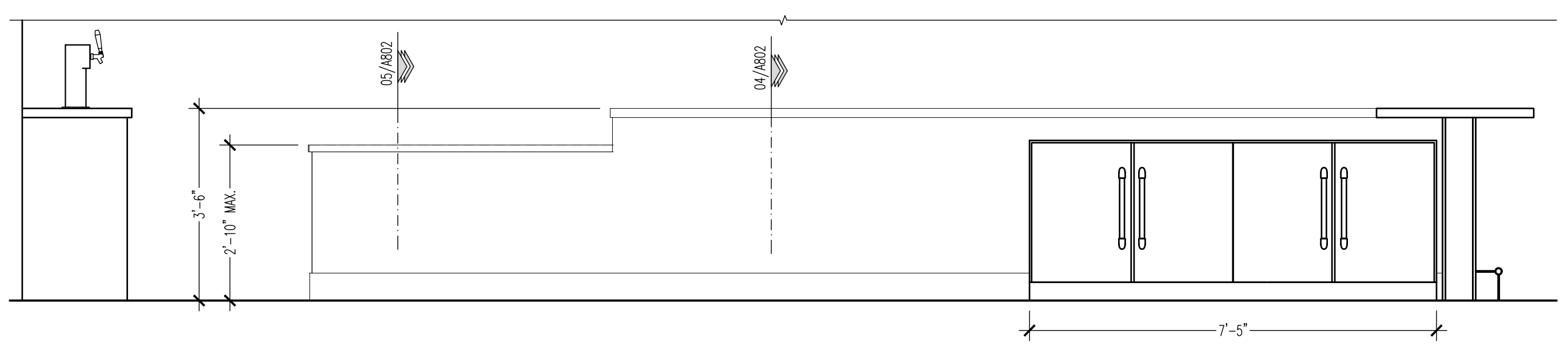
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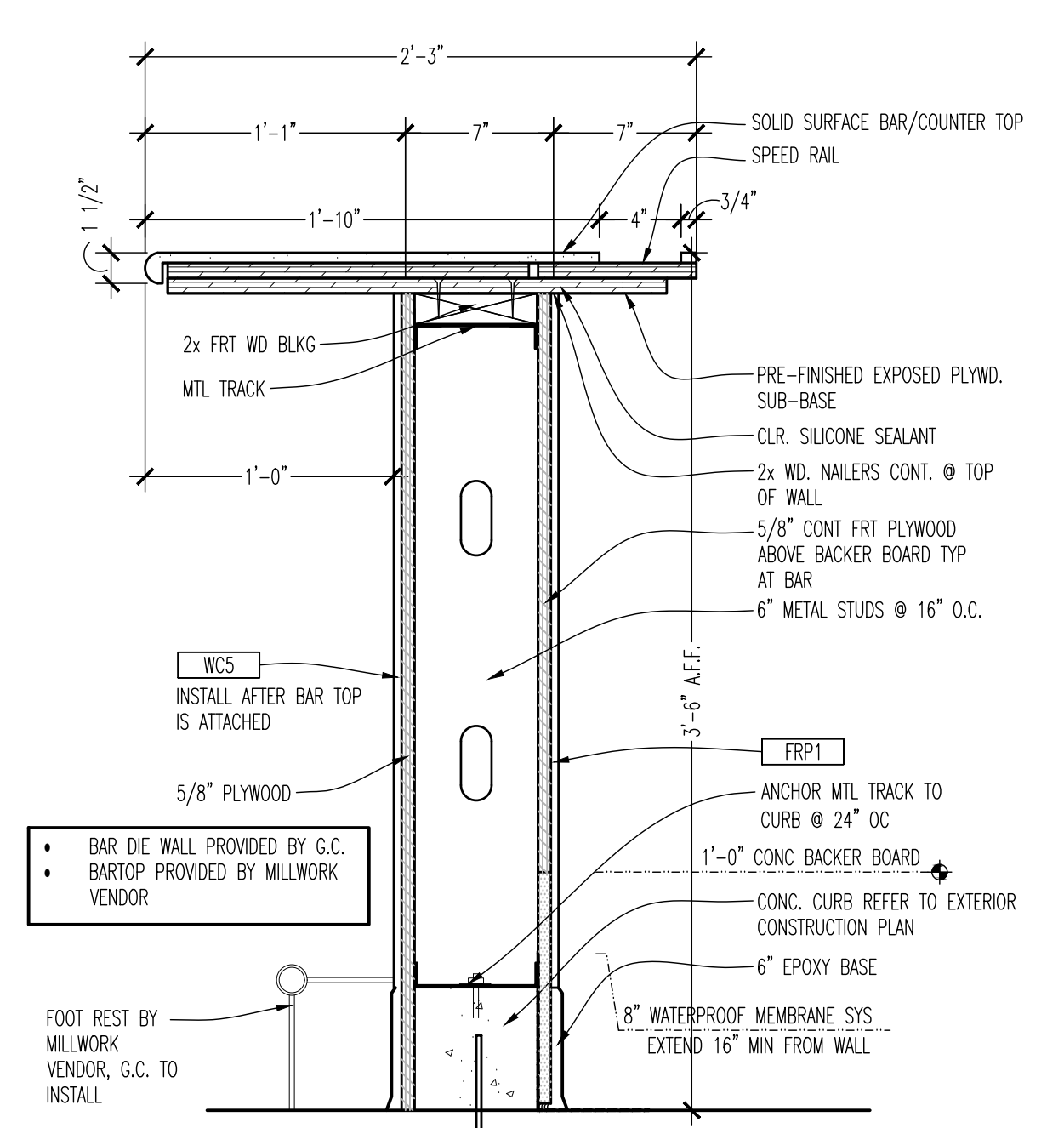
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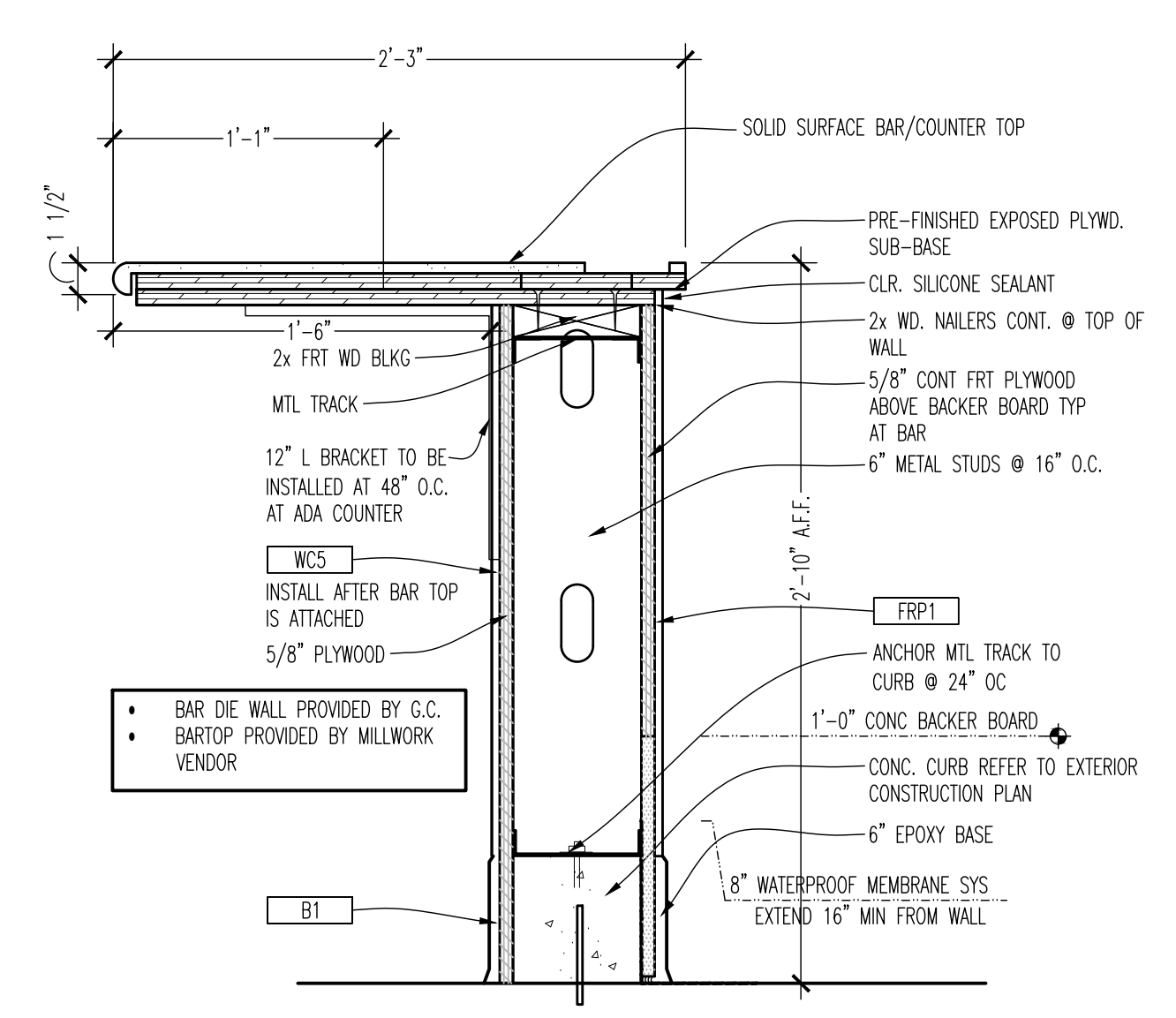
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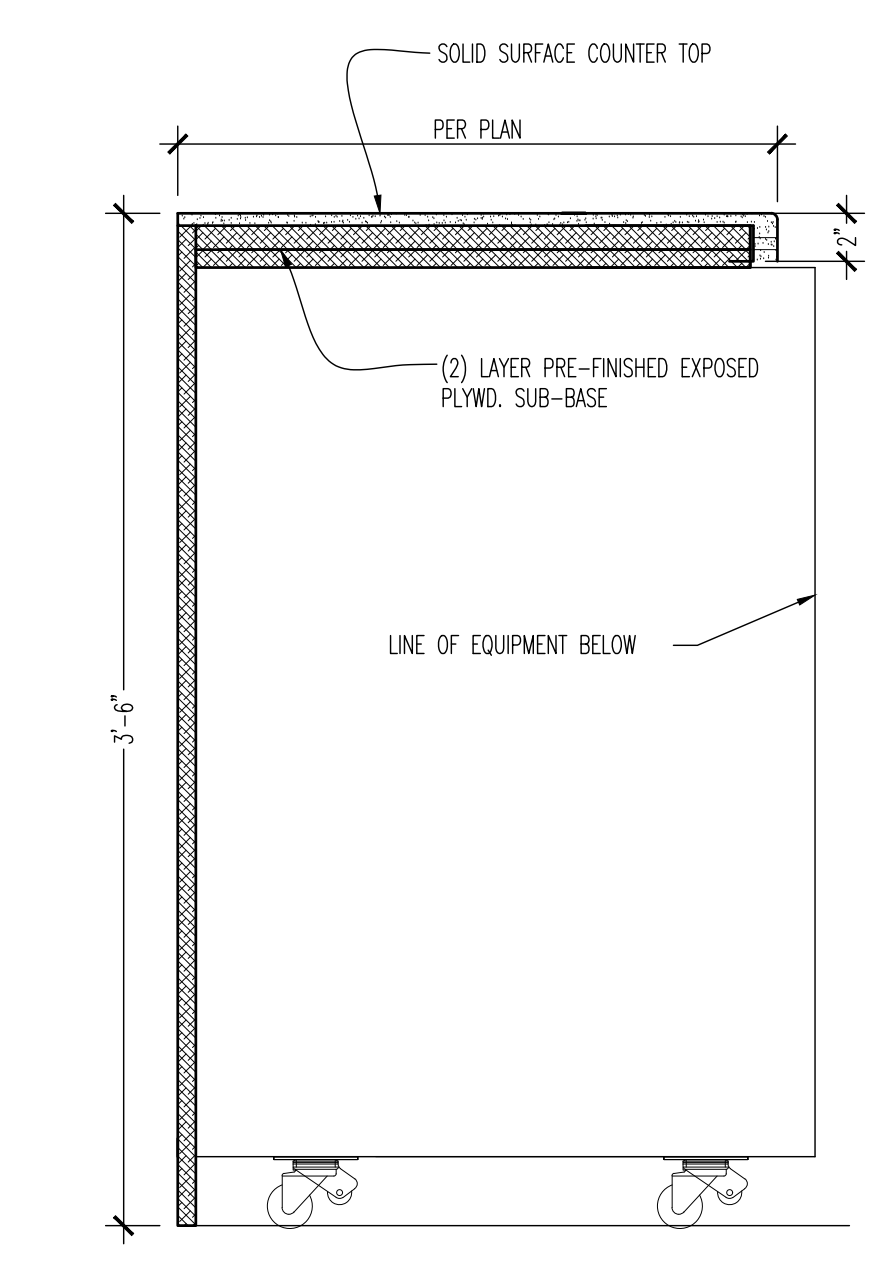
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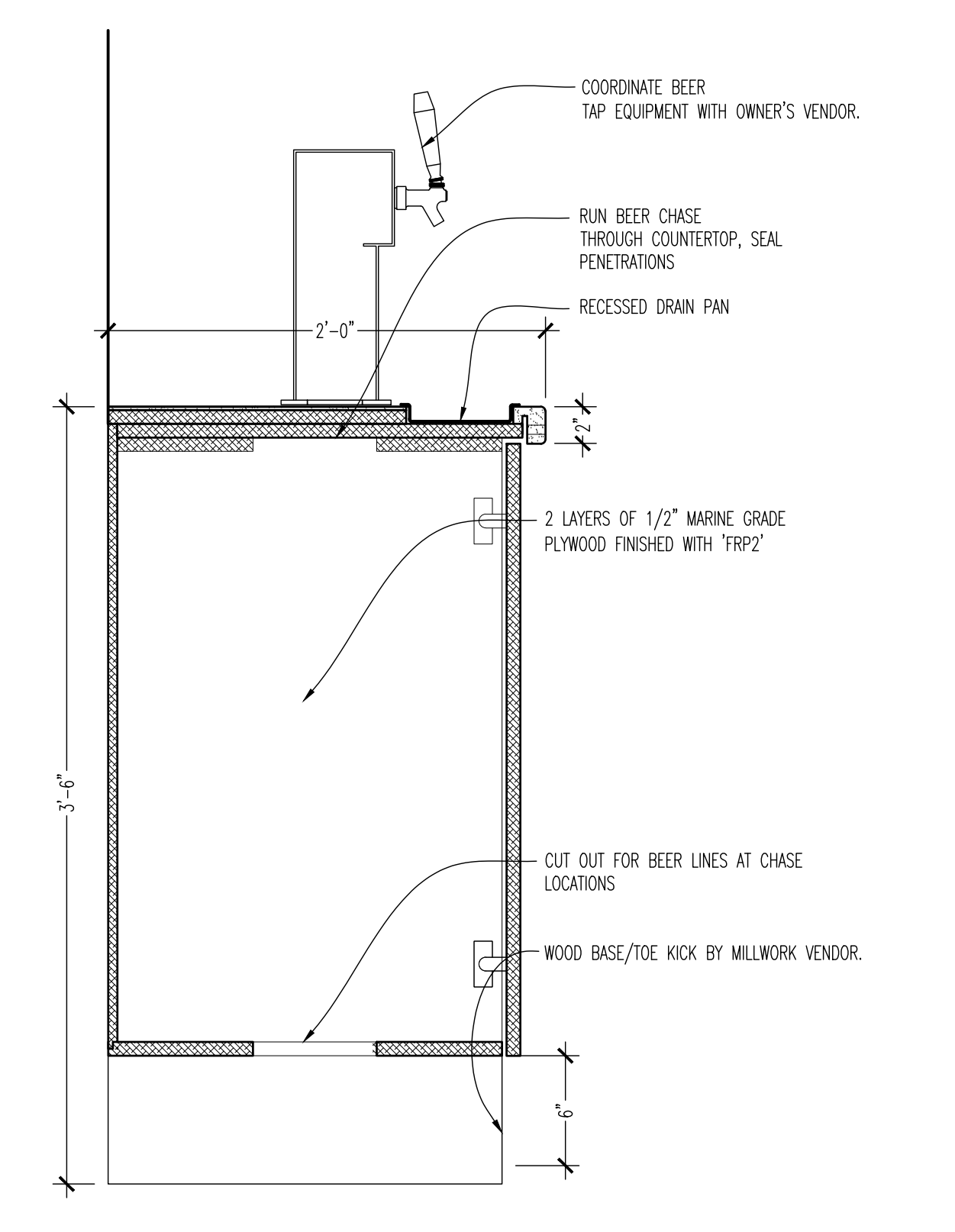
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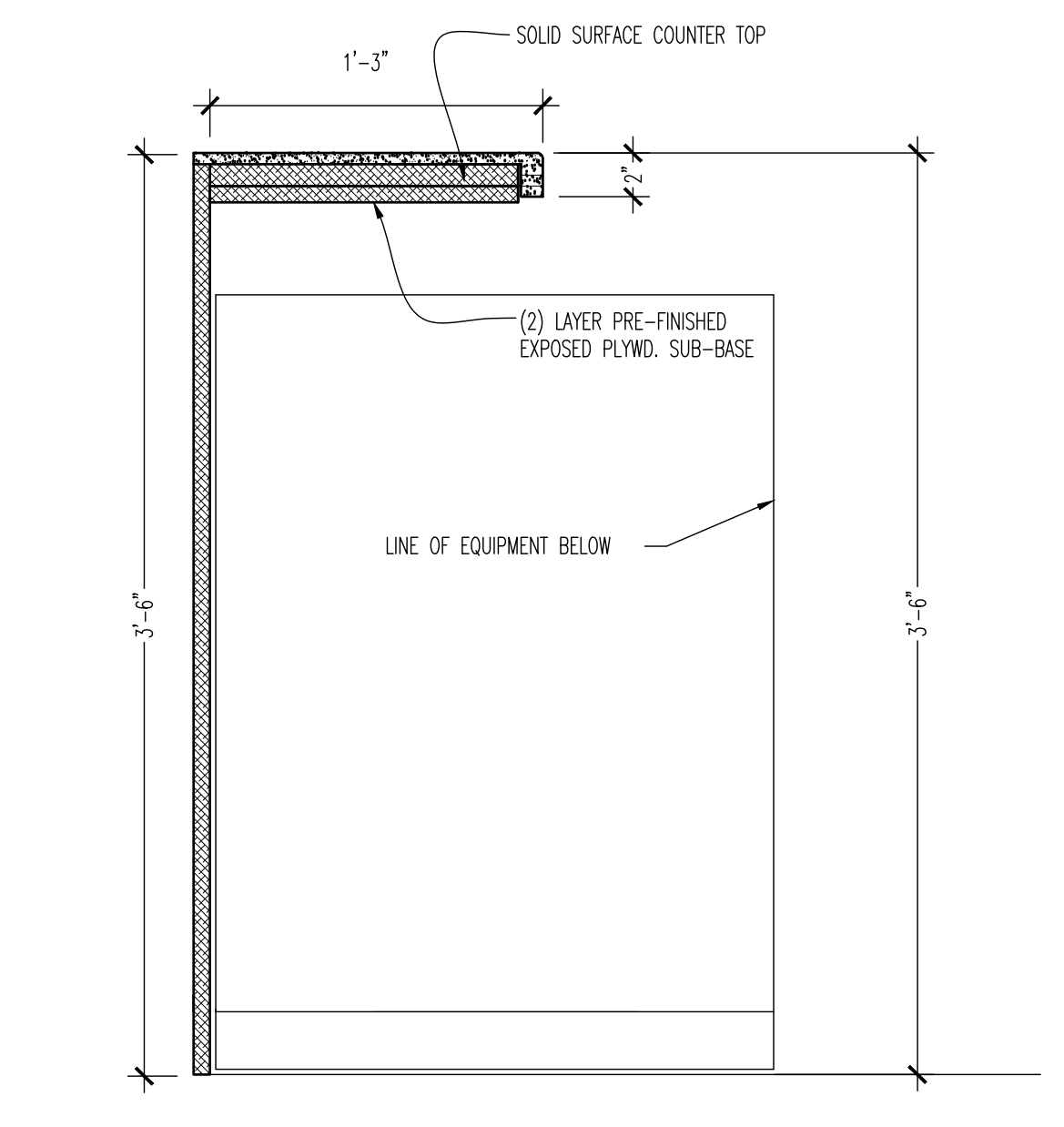
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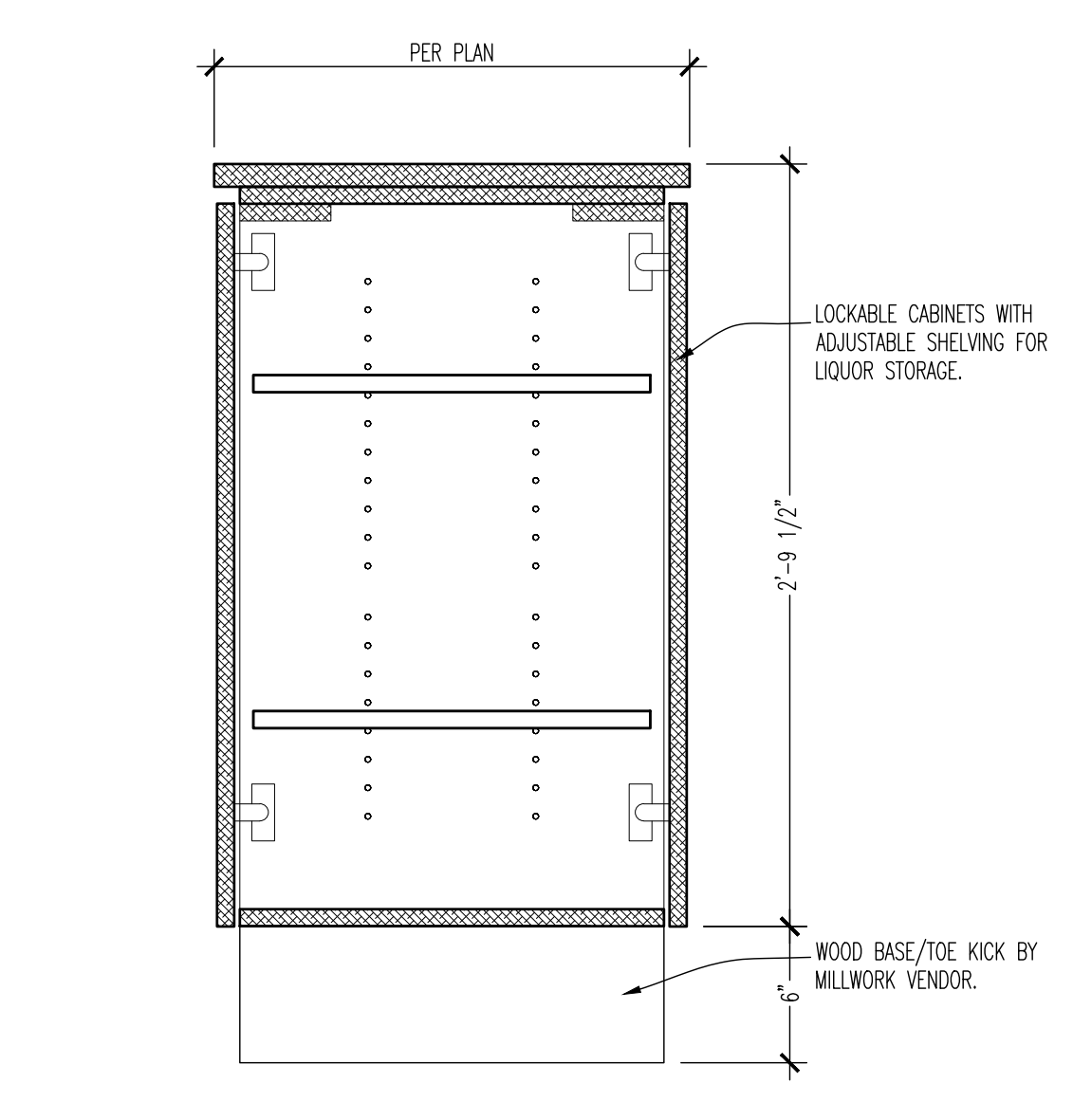
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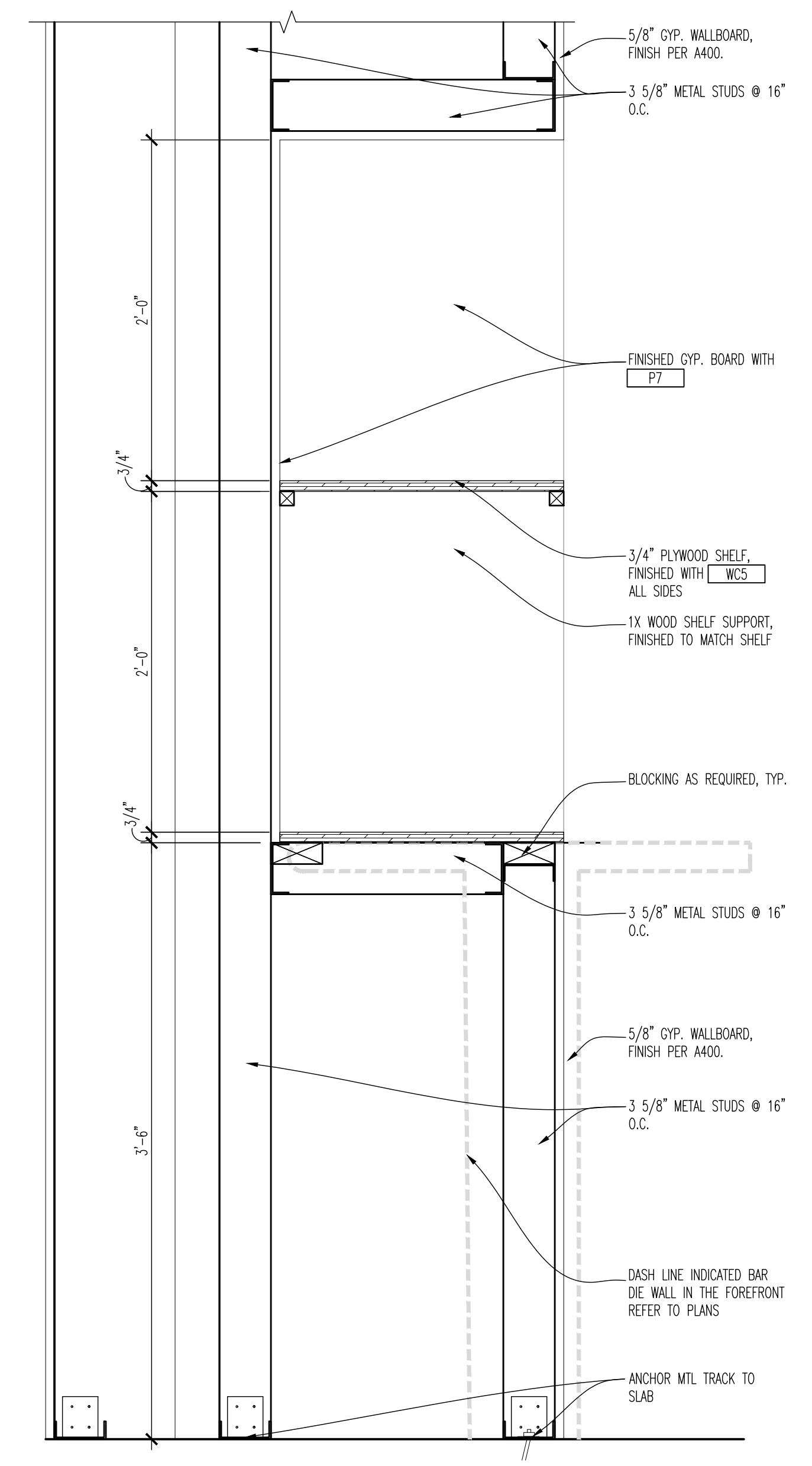
**07 BACK BAR SECTION**  
 SCALE: 1-1/2"=1'-0"



**08 BACK BAR SECTION**  
 SCALE: 1-1/2"=1'-0"



**09 BAR STORAGE SECTION**  
 SCALE: 1-1/2"=1'-0"



**10 RECESSED SHELVING DETAIL**  
 SCALE: 1-1/2"=1'-0"





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FURNITURE + EQUIPMENT PLAN  
 SCALE: 1/4" = 1'-0"  
 Drawn By: CJB Checked By: JLD

PROJECT NUMBER  
 20-0501

SHEET NUMBER  
**EQ100**

ITEM	QTY	DESCRIPTION	MANUFACTURER
FN1	39	STANDARD DINING CHAIR	REGAL SEATING
FN4	60	STANDARD BARSTOOL	REGAL SEATING
FN4	6	RESTAURANT TABLE	GRAND RAPIDS CHAIR
FN5	8	RESTAURANT TABLE	GRAND RAPIDS CHAIR
FN8	5	HIGH TOP TABLE	GRAND RAPIDS CHAIR
FN9	3	HIGH TOP TABLE	GRAND RAPIDS CHAIR
FN10	1	BANQUETTE TABLE	GRAND RAPIDS CHAIR
FN11	1	BANQUETTE TABLE	GRAND RAPIDS CHAIR
FN12	6	BOOTH TABLE, 48"	GRAND RAPIDS CHAIR
FN14	2	JOB BOOTH TABLE	GRAND RAPIDS CHAIR/ROYAL IND.
FN15	1	JOB BOOTH TABLE, ADJUSTABLE	GRAND RAPIDS CHAIR/ROYAL IND.
FN17	1	OUTDOOR LOUNGE CHAIR	EMU AMERICAS
FN18	1	EXTERIOR FIREPIT	STARBUCK DIRECT
FN21	39	PATIO STANDARD DINING CHAIR	EMU AMERICAS
FN22	7	PATIO TABLE	EMU AMERICAS
FN23	2	PATIO ADA TABLE	PAULON
FN25	1	PATIO UMBRELLA	TUCCO UMBRELLAS
FN26	1	PATIO UMBRELLA	EMU AMERICAS
FN30	4	SINGLE BOOTH, 48"	KOM
FN31	5	DOUBLE BOOTH, 48"	KOM
FN33	2	TABLE HEIGHT BANQUETTE	KOM
FN36	1	BAR HEIGHT BANQUETTE	KOM
FN50	1	SERVER STATION	KOM
FN51	1	HOST/CHECK IN	KOM
FN52	1	WAIT BENCH	KOM
FN53	1	"S" SHAPED WAIT BENCH	KOM
FN55	1	BACK BAR COUNTER	KOM
FN56	1	FRONT BAR COUNTER	KOM
FN57	1	FOOT RAIL	KOM
FN60	1	TO-GO STATION	KOM
FN65	1	RESTROOM COUNTER	KOM
FN100	2	LOUNGE CHAIR	KOM
FN103	3	LOUNGE SOFA	KOM
FN102	3	COFFEE TABLE	KOM

- ### GENERAL NOTES
- DRAWINGS ARE REPRESENTATIVE OF "DESIGN INTENT" ONLY AND ARE NOT FOR FABRICATION. MANUFACTURER/FABRICATOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS, AND INFORM ARCHITECT OF ANY AND ALL VARIATIONS PRIOR TO PERFORMING THE WORK. WRITTEN DIMENSIONS ON DRAWINGS SHALL HAVE AUTHORITY OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS.
  - MANUFACTURER/FABRICATOR SHALL PROVIDE FULL SHOP DRAWINGS TO ARCHITECT, WHICH SHALL BE REVIEWED AND APPROVED PRIOR TO START OF FABRICATION.
  - CONFORM TO ARCHITECTURAL WOODWORK INSTITUTE (AWI-LATEST EDITION) OR WOODWORK INSTITUTE OF CALIFORNIA (WCI-LATEST EDITION).
  - VERIFY AND COORDINATE ALL GRAPHIC ELEMENTS/REQUIREMENTS WITH GRAPHICS MANUFACTURER. PROVIDE MOUNTING ATTACHMENTS AND/OR BLOCKING AS REQUIRED.
  - COORDINATE ALL ELECTRICAL AND PLUMBING CONTAINED IN FIXTURES WITH GENERAL CONTRACTOR. ALL EQUIPMENT SPECIFICATIONS AND SIZES TO BE VERIFIED PRIOR TO CONSTRUCTION/FABRICATION, INCLUDING BLOCKING, ELECTRICAL, PLUMBING, MECHANICAL, VENTILATION, OPERATIONAL ACCESS, AND MAINTENANCE ACCESS PER MANUFACTURER'S RECOMMENDATIONS/GUIDELINES AND OWNER'S SPECIFIC DIRECTIONS.
  - BWR SUPPLIER SHALL DELIVER ALL EQUIPMENT, MILKWORK AND FURNITURE; G.C. IS TO SET IN PLACE (INCLUDING WALK-IN COOLERS). KITCHEN EQUIPMENT VENDOR IS RESPONSIBLE FOR CONNECTING CONTROL WIRING. G.C. IS RESPONSIBLE FOR ALL ELECTRICAL AND PLUMBING CONNECTIONS TO EQUIPMENT. ALL CONTROL AND INTERCONNECTION WIRING FOR WALK-IN COOLERS AND HOOD. SEE WIRING DIAGRAMS ON ELECTRICAL DRAWINGS.
  - FIRMLY ANCHOR ANY FURNITURE OR EQUIPMENT WHICH IS REQUIRED TO BE FIXED. CAULK AND SEAL TO WALLS AND FLOOR.
  - TV MONITORS AND SUSPENSION SYSTEM BY AV CONTRACTOR, G.C. TO PROVIDE AND INSTALL BLOCKING AS REQUIRED. REFER TO INTERIOR ELEVATIONS FOR MOUNTING HEIGHTS.
  - KITCHEN EQUIPMENT BELOW HOODS TO BE ON CASTERS AND INSTALLED WITH QUICK DISCONNECTS FOR CLEANING PURPOSES.
  - G.C. TO INSTALL AND SEAL WALK-IN BOV PENETRATIONS.
  - REFER TO SHEET E2010 FOR EQUIPMENT SCHEDULE.
  - PROVIDE SILENCER PADS AT ALL DOORS AND DRAWERS ON ALL FIXTURES.
  - PROVIDE SCRIBE EXCESS WHERE APPLICABLE. SCRIBE TO FIT.
  - ALL FIXTURES WITH LOCKS TO MASTER KEYED.
  - RUN LAMINATE GRANS UP AND DOWN ON VERTICAL APPLICATIONS AND LEFT TO RIGHT ON HORIZONTAL APPLICATIONS, UNLESS OTHERWISE NOTED.
  - VERIFY/PROVIDE CORRECT METAL GAUGE AND FABRICATION DETAILS AS REQUIRED TO STRUCTURE, SUPPORT, AND ANCHOR FULLY LOADED FIXTURES AND/OR PARTS OF FIXTURES.
  - VERIFY AND COORDINATE ALL HARDWARE SYSTEMS WITH OWNER STANDARDS.
  - INTERNAL STRUCTURE OF FIXTURES TO BE CONSTRUCTED USING MEDIUM DENSITY FIBER BOARD AS NOTED.
  - REFER TO SHEET A403 FOR GRAPHICS PLACEMENT PLAN.
  - G.C. IS TO LEVEL ALL EQUIPMENT PRIOR TO TURN OVER OF SPACE.
  - G.C. IS RESPONSIBLE FOR ASSEMBLY AND INSTALLATION OF FURNITURE. TABLE BASES COME IN THREE SECTIONS: A MIDDLE POST, BOTTOM LEGS, AND A TOP PLATE. THESE THREE SECTIONS SCREW TOGETHER WITH ALL-THREAD AND NUTS, THEN THE BASE IS SCREWED TO THE TABLE TOP. (HARDWARE PROVIDED)
  - G.C. TO COORDINATE WITH SHEET A601 FOR ALL SHELVING HEIGHTS.

- ### KEY NOTES
- KITCHEN EQUIPMENT VENDOR TO VERIFY CLEAR DIMENSIONS PRIOR TO ORDERING WALK-IN COOLERS.
  - SST CLOSURE ANGLE AT COOLER TOP/SIDE AND ADJACENT WALL. FURNISHED BY KITCHEN EQUIPMENT VENDOR. INSTALLED BY G.C. REF TO A501.
  - REFER TO A700 FOR LOCATION OF ALL TOILET ACCESSORIES.
  - INDICATED TV'S TO BE WALL MOUNTED. COORDINATE WITH A/V VENDOR. REFER TO DETAIL ON A201.
  - INDICATED TV'S TO BE RECESSED IN WALL. COORDINATE WITH A/V VENDOR. REFER TO SHEET A600 FOR TV HEIGHTS.
  - INDICATED TV'S TO BE MOUNTED ON COLUMN. REFER TO SHEET A601 AND DETAILS ON A201.
  - FUTURE TV'S AT BAR COORDINATE WITH OWNER. G.C. TO PROVIDE POWER AND DATA.
  - LOCATION OF ROOF LADDER. COORDINATE WITH EXTERIOR WALL SECTIONS SHEETS.
  - SOAP DISPENSER AND PAPER TOWEL DISPENSER TO BE MOUNTED ON WALL UNDER BAR TOP.
  - FIRE EXTINGUISHERS FURNISHED AND INSTALLED BY G.C. VERIFY LOCATIONS AND QUANTITY WITH LOCAL FIRE DEPARTMENT PRIOR TO INSTALLATION.
  - ELECTRIC PANELS. REFER TO ELECTRICAL SHEETS FOR MORE INFORMATION.
  - WATER HEATER. REFER TO PLUMBING SHEETS FOR FURTHER INFORMATION.
  - A/V BACKS BY A/V VENDOR.
  - G.C. TO PROVIDE & INSTALL (940) 12" DEEP SHELVES FOR RESTROOM CLOSET. REFER TO 10/A201.
  - LOCATION OF FOSSBALL TABLE BY OWNER.
  - LOCATION OF HEATED AIR CURTAIN, COORDINATE WITH OWNER. G.C. TO ENSURE POWER IS PROVIDED.

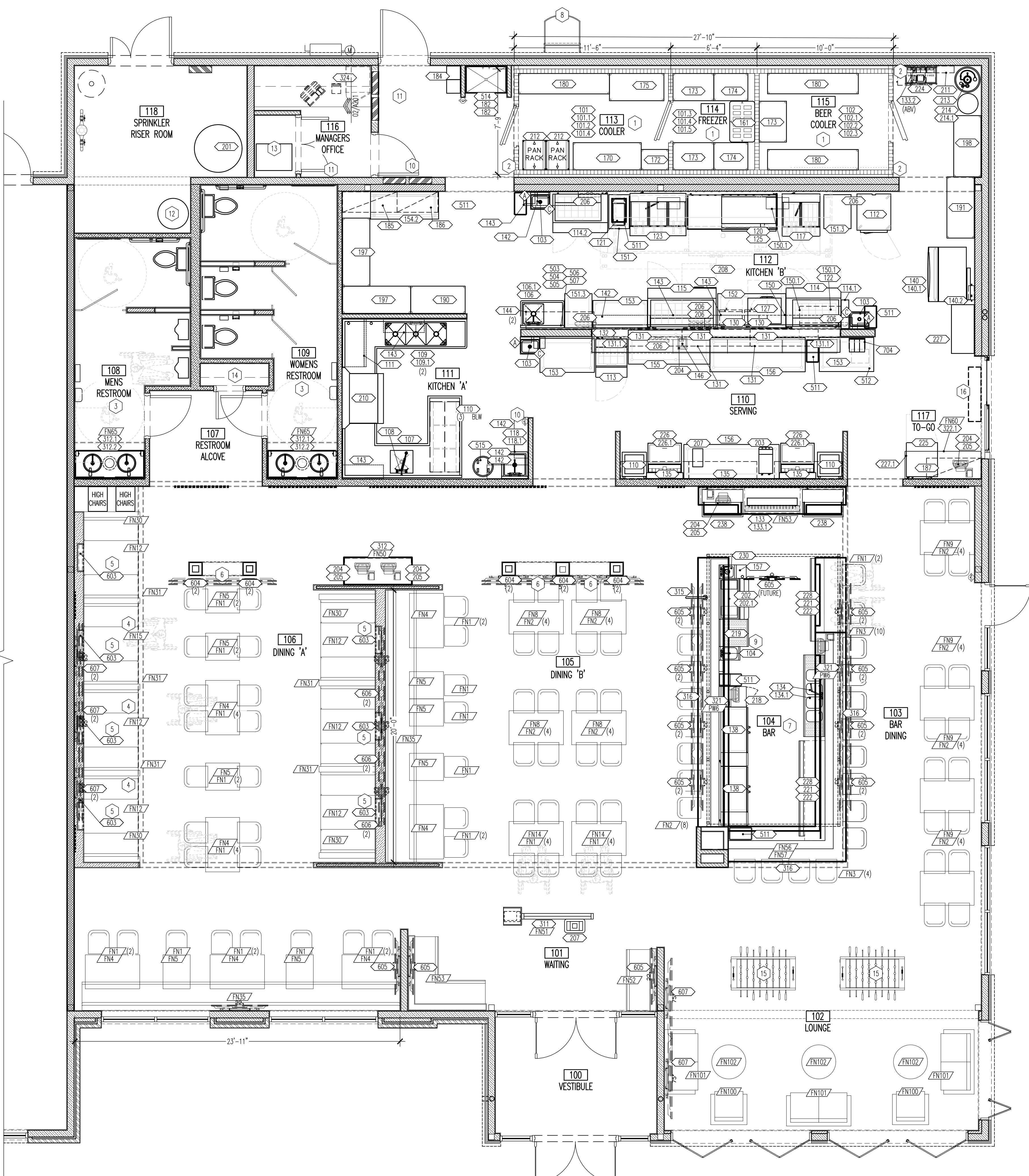
### SYMBOL LEGEND

	EQUIPMENT		FURNITURE		SINK ACCESSORIES
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### SINK ACCESSORIES

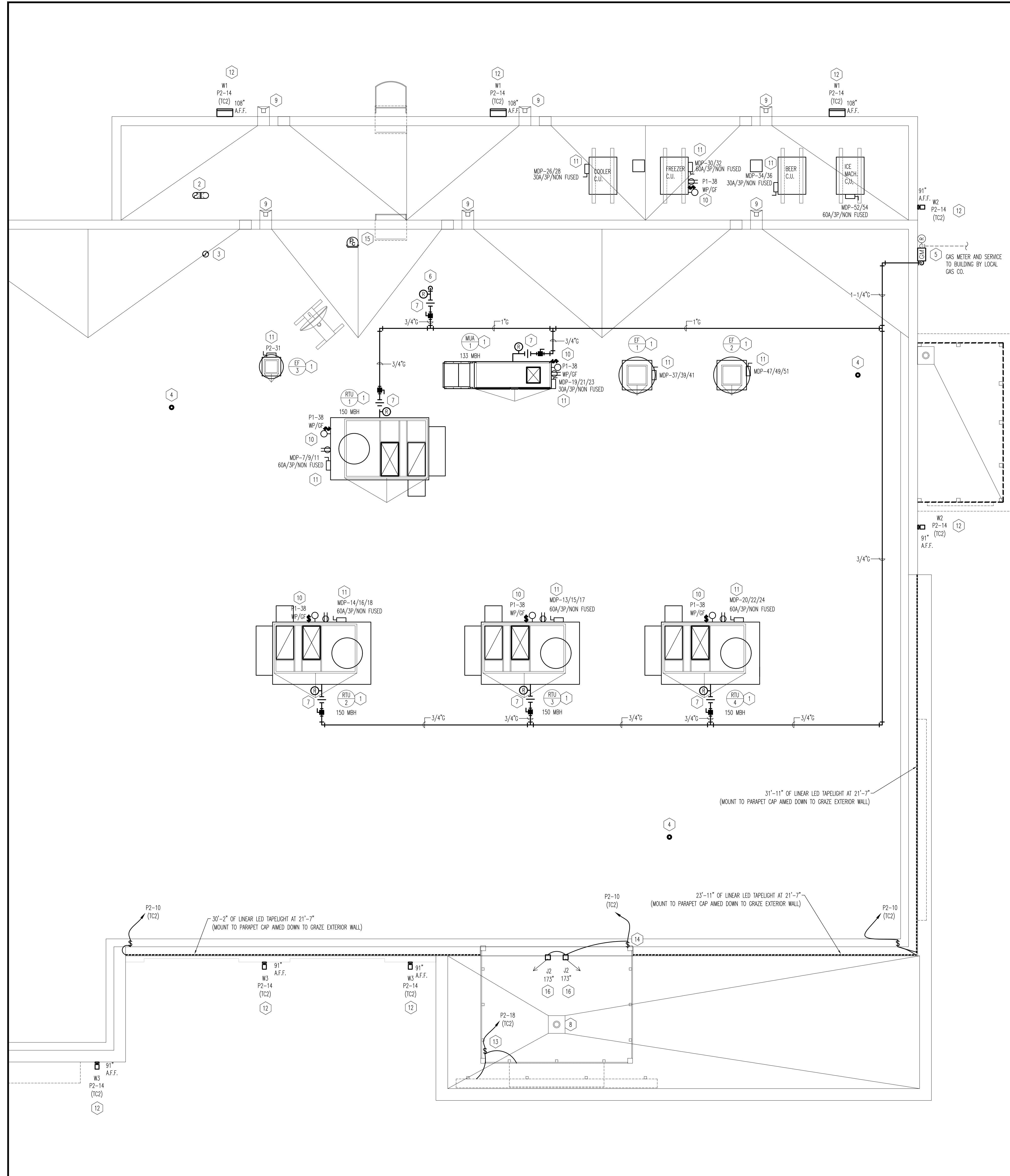
MARK	DESCRIPTION	REMARKS
A	HAND SOAP DISPENSER BY OWNER	
C	PAPER TOWEL DISPENSER BY OWNER	2
	TOILET ROOM DETAILS-SEE A700	

- ### REMARKS
- SOAP DISPENSER MOUNTED AT 44" AFF TO CENTERLINE OF DISPENSING UNIT. INSTALLED BY G.C..
  - PAPER TOWEL DISPENSER MOUNTED AT 44" AFF TO BOTTOM OF PAPER TOWEL SLOT. INSTALLED BY G.C..



**01 EQUIPMENT PLAN**  
 SCALE: 1/4"=1'-0"





**01 ENGINEERING ROOF PLAN**  
SCALE: 1/4"=1'-0"

- GENERAL NOTES**
1. GENERAL CONTRACTOR IS RESPONSIBLE FOR SEALING ROOF PENETRATIONS.
  2. MECHANICAL CONTRACTOR TO PROVIDE ROOF CURBS AND ROOFER IS RESPONSIBLE FOR PROVISION/COORDINATION OF ROOF PENETRATIONS REQUIRED FOR EQUIPMENT INSTALLATION. REFER TO DETAIL 1/M101 FOR CURB DETAIL. SEE MECHANICAL DRAWING FOR NUMBER, SIZE, WEIGHT, AND FINAL LOCATION OF ROOF TOP MOUNTED MECHANICAL EQUIPMENT.
  3. JOIST MANUFACTURER TO VERIFY STRUCTURAL JOIST CAPACITY BASED UPON FINAL ROOF TOP MOUNTED MECHANICAL PLAN AND WEIGHTS SUPPLIED BY MECHANICAL ENGINEER.
  4. GENERAL CONTRACTOR TO FLASH ROOF VENT PIPES, REFER TO PLUMBING AND MECHANICAL PLANS.
  5. VENT PIPES TO BE 10'-0" MINIMUM FROM OUTSIDE AIR INTAKE.
  6. ROOF PENETRATIONS, CURBS, AND SLEEPERS TO BE INSTALLED BY ROOFER. REFER TO ARCHITECTURAL DETAILS.
  7. ALL GAS PIPING TO ROOF SHALL BE PAINTED TO MATCH ADJACENT FINISH.

- KEY NOTES**
1. GENERAL CONTRACTOR TO COORDINATE WITH STRUCTURAL DRAWINGS FOR ALL ROOF PENETRATIONS.
  2. EXHAUST THROUGH ROOF TO GOOSENECK. SEE M100 AND DETAIL 9 ON M101 FOR MORE INFORMATION.
  3. WATER HEATER CONCENTRIC VENT. FIELD VENT LOCATION. INSTALL PER MANUFACTURERS RECOMMENDATION. CONCENTRIC KITS MAY BE EXTENDED TO A MAXIMUM ALLOWABLE LENGTH OF 5'.
  4. PLUMBING VENT THROUGH ROOF. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.
  5. GAS METER. PLUMBING CONTRACTOR TO COORDINATE WITH LOCAL GAS UTILITY COMPANY. PROVIDE MASTER REGULATOR IF REQUIRED BY UTILITY COMPANY. GAS DISTRIBUTION SIZING IS BASED ON 2 PSI REGULATED DOWN TO 7" W.C. AT EACH PIECE OF EQUIPMENT AS SHOWN. PROVIDE NEW METER PER UTILITY COMPANY REQUIREMENT. SEE SHEET P400 FOR GAS DEMAND SCHEDULE.
  6. LOW PRESSURE GAS PIPING DOWN THRU WATER TIGHT ROOF PENETRATION TO EQUIPMENT BELOW. ROOF PENETRATION BY ROOFING CONTRACTOR. SEE SHEET P200 FOR CONTINUATION OF LOW PRESSURE GAS PIPING BELOW.
  7. GAS REGULATOR AND SHUT-OFF VALVE FOR GAS FIRED ROOF EQUIPMENT.
  8. PROVIDE AND INSTALL 4" FROST COMBINATION ROOF DRAIN/OVERFLOW. REFER TO PLUMBING SHEET P100 AND CIVIL DRAWINGS FOR CONTINUATION TO SITE DRAINAGE.
  9. 4x4" RECTANGULAR DOWNSPOUT FOR ROOF DRAINAGE. REFER TO PLUMBING SHEET P100 AND CIVIL DRAWINGS FOR CONTINUATION TO SITE DRAINAGE.
  10. ELECTRICAL CONTRACTOR TO PROVIDE AIR TYPE LIGHT FIXTURE TYPE U1 W/ LOCAL SWITCH AND RECEPTACLE CORROSION RESISTANT RECEPTACLE WITH AN "IN USE" WEATHERPROOF COVER.
  11. REFER TO ELECTRICAL PANEL SCHEDULES FOR WIRE AND CONDUIT SIZING FOR EQUIPMENT. E.G. SHALL PROVIDE AND INSTALL LOCAL NEMA 3R DISCONNECT AS SHOWN. COORDINATE FEEDER WITH KITCHEN EQUIPMENT DRAWINGS. SUPPLY SINGLE POINT CONNECTION TO HOOD CONTROL PANEL WHERE REQUIRED.
  12. EXTERIOR WALL MOUNTED LUMINAIRE. REFER TO EXTERIOR ELEVATIONS AND ELECTRICAL DRAWINGS FOR FURTHER INFORMATION.
  13. ELECTRICAL CONTRACTOR SHALL PROVIDE CIRCUIT FOR EXTERIOR BUILDING SIGNAGE. SIGNAGE SHALL BE CONTROLLED BY PHOTOCELL/TIMELOCK. COORDINATE WITH ELEVATIONS PRIOR TO ROUGH IN FOR EXACT LOCATION.
  14. PROVIDE CONNECTION TO NEW FLOOD LIGHT FOR STOREFRONT SLAT BACK LIGHTING. COORDINATE AIMING AND VISOR REQUIREMENTS WITH OWNER.
  15. PROVIDE PHOTOCELL PER DETAIL 1, E300 AND AIM NORTH AWAY FROM INCIDENTAL AREA LIGHTING. COORDINATE PENETRATION FOR CONDUIT AND WIRING WITH SATELLITE VENDOR TO ALLOW SHARED ACCESS TO OFFICE EQUIPMENT BELOW.
  16. COORDINATE EXACT LOCATION OF FLOOD LIGHTS ON BEAR OF SLAT WALL TO HIGHLIGHT 3" GAP AROUND SLATS. AIM FIXTURES TOWARD MIDDLE CENTER OF STRUCTURE.

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720 BYPASS ROAD  
CAMPBELLVILLE, KY 42718



**DRAWING ISSUE**

NO.	DESCRIPTION	DATE
1	BID AND PERMIT	11/25/20

**STAMP**

12.12.2020

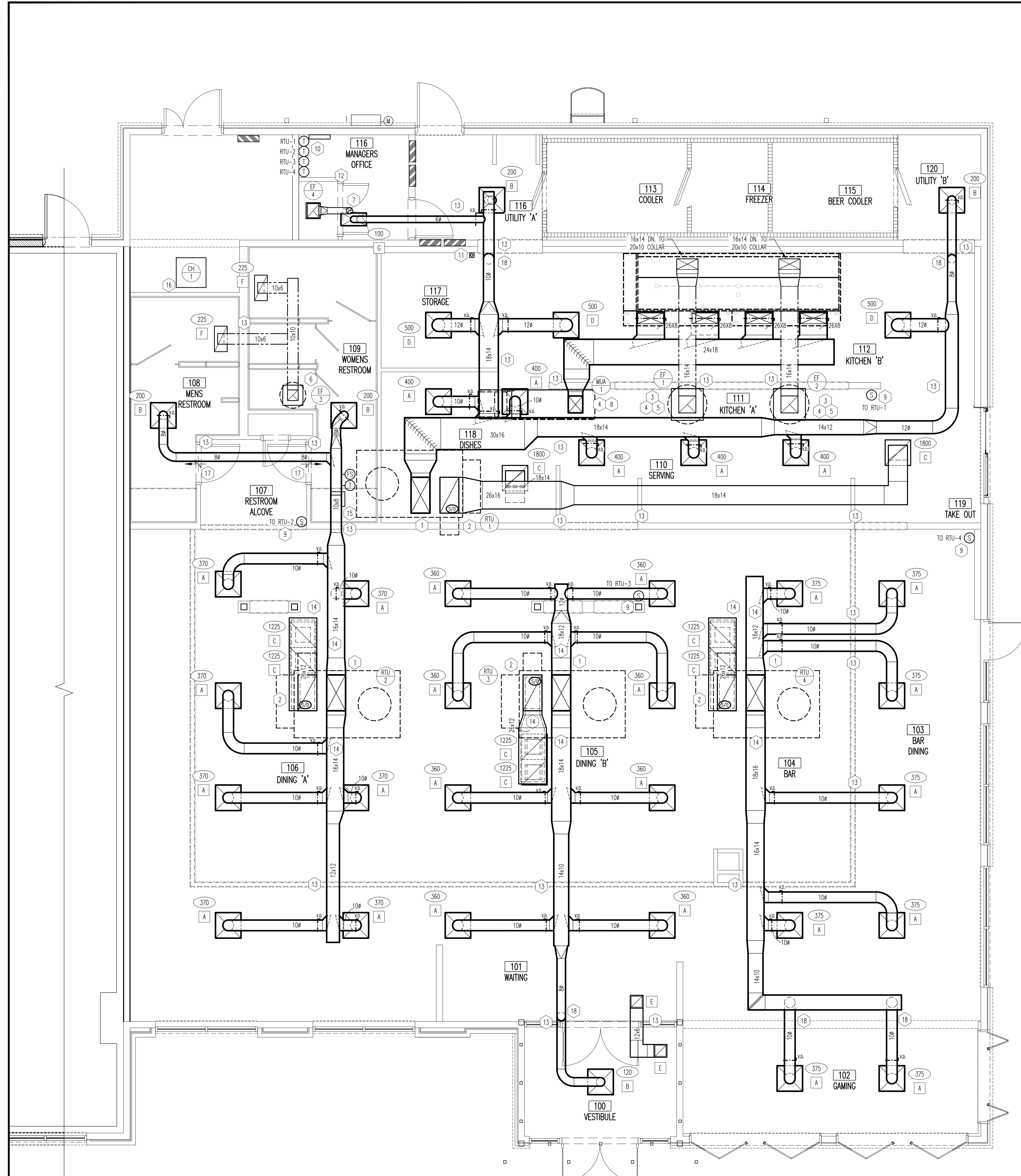
**ENGINEERING ROOF PLAN**  
SCALE: 1/4" = 1'-0"  
Drawn By: MEP Checked: JSD/SJM

**PROJECT NUMBER**  
20-0501

**SHEET NUMBER**  
MEP100



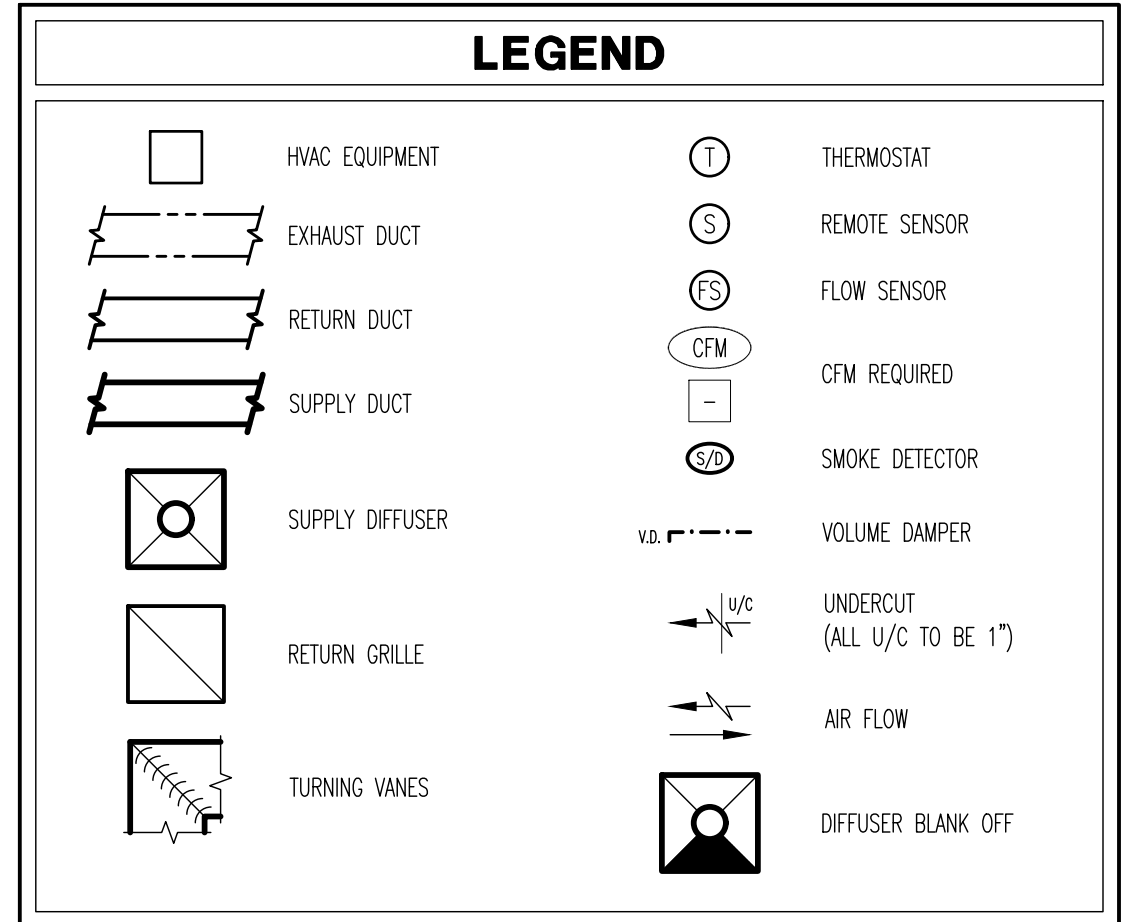




**MECHANICAL PLAN**  
SCALE: 1/4"=1'-0"

- ### GENERAL NOTES
- THE MECHANICAL CONTRACTOR SHALL VERIFY THAT ALL EQUIPMENT, AS SHOWN ON THESE DRAWINGS, WILL NOT CONFLICT WITH ANY DRAINS, SCUTTLERS, JOINTS, VENTS, PIPING, ROOF SCREENS OR EQUIPMENT.
  - ALL ROOFTOP EQUIPMENT SHALL HAVE MANUFACTURER SUPPLIED ROOF CURBS AND PIPE SEALS.
  - THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ADMINISTERING ALL WARRANTIES ON EQUIPMENT WHICH HE INSTALLS. THIS INCLUDES, BUT IS NOT LIMITED TO REFRIGERANT LINES, ETC.
  - ALL OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10'-0" FROM ANY EXHAUST FAN OR PLUMBING VENT.
  - PROVIDE VIBRATION ISOLATION DEVICES AND FLEXIBLE CONNECTIONS TO ALL MOVING MACHINERY.
  - ALL DUCTWORK IS TO BE INSTALLED AS HIGH AND AS TIGHT TO STRUCTURE AS POSSIBLE.
  - ALL FLEXIBLE DUCTS SHALL BE SUPPORTED EVERY 3'-0" WITH 2" WIDE GALV. STEEL BANDS WITH A MINIMUM OF ONE PER EACH SECTION OF FLEXIBLE DUCT. THE MAXIMUM ALLOWABLE LENGTH OF THE FLEX DUCT SHALL BE 5'-0".
  - NO FLEXIBLE DUCTWORK SHALL BE ALLOWED ABOVE INACCESSIBLE CEILINGS AND OPEN CEILING AREAS.
  - ALL DUCTWORK IS TO BE SHEET METAL AND INSTALLED PER SMACNA/LOCAL CODE. DUCT DIMENSIONS ARE CLEAR INSIDE DIMENSIONS. DUCTWORK MAY NEED TO BE UP-SIZED TO ACCOUNT FOR ANY FIELD INSTALLED INTERNAL INSULATION.
  - THE MECHANICAL CONTRACTOR SHALL COORDINATE ALL ROOF PENETRATIONS WITH THE GENERAL CONTRACTOR, STRUCTURAL DRAWINGS, OTHER TRADES, AND ALL OTHER REQUIRED OPENINGS. ALL REQUIRED OPENINGS IN FOUNDATIONS, FLOORS, WALLS AND ROOF SHALL BE CONSTRUCTED INTO THE STRUCTURE WITH THE USE OF SLEEVES, CURBS, ETC. CUTTING AND PATCHING SHALL BE HELD TO A MINIMUM.
  - ALL ITEMS PROJECTING THRU ROOF SHALL BE FLASHED THRU CURBS OR PIPE SEALS A MINIMUM OF 12" ABOVE THE ROOF. THE PIPE CURBS AND SEALS SHALL BE SUPPLIED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ROOFING CONTRACTOR. INSURE THAT AMPLE BOOT OPENINGS ARE PROVIDED TO ACCOMMODATE ANY ELECTRICAL CONDUIT PENETRATIONS REQUIRED.
  - ALL SUPPLY AND RETURN AIR DEVICES SHALL BE PAINTED AS REQUIRED BY THE OWNER.
  - COORDINATE WITH STRUCTURAL DRAWINGS FOR ALL ROOF PENETRATIONS AND SUPPORT.
  - ALL EXPOSED DUCT, FITTINGS AND AIR DEVICES SHALL BE PROVIDED WITH A MILL PHOSPHATIZED FINISH ("PAINTED GRP", "ZINC GRP" OR SIMILAR ETCH TREATMENT) TO ALLOW FOR PAINTING TO MATCH ADJACENT FINISH.
  - ALL ROOFTOP UNIT CONNECTIONS (SUPPLY AND RETURN) TO BE WITH FLEXIBLE CONNECTORS.
  - PROVIDE AND INSTALL ALL ROOFTOP UNIT EQUIPMENT WITH SPRING ISOLATORS ON ROOF CURB.
  - ALL DUCTWORK SHALL BE INSULATED PER REQUIREMENTS OF ASHRAE 90.1, INTERNATIONAL ENERGY CONSERVATION CODE (IECC), NFPA, SMACNA AND LOCAL CODES. THE FIRST 10 FEET OF NON-KITCHEN RETURN DUCTS SHALL BE INTERNALLY LINED WITH 1" HIGH THICK, 1-1/2 LB. DENSITY ACoustICAL INSULATION. OUTSIDE AIR DUCTWORK AND DUCTWORK IN UNCONDITIONED SPACES SHALL BE INSULATED WITH EXTERNAL INSULATION. INSULATION WRAP SHALL BE FIBERGLASS, FOIL BACKED WRAPPING.
  - ALL AIR DEVICES TO BE PAINTED TO MATCH ADJACENT CEILING COLOR. CONFIRM WITH ARCHITECT FOR ANY CLARIFICATIONS.

- ### KEY NOTES
- SUPPLY AIR DUCT CONNECTION TO NEW ROOF TOP UNIT.
  - RETURN AIR DUCT CONNECTION TO NEW ROOF TOP UNIT. PROVIDE DUCT MOUNTED SMOKE DETECTOR IN RETURN AIR DUCT. SMOKE DETECTOR TO SHUT DOWN ROOF TOP UNITS UPON ACTIVATION.
  - GREASE EXHAUST DUCT UP THRU ROOF TO EE-2. DUCT TO BE 18 GA. BLACK IRON WELDED LIQUID TIGHT DUCT TO BE ENCASED IN FIRE RATED ENCLOSURE PER LOCAL CODE. REFER TO KEY NOTE 5 FOR MORE INFORMATION.
  - CONTRACTOR TO INSTALL VENDOR SUPPLIED ACCUREX MODEL MAKE-UP AIR (MUA-1) AND KITCHEN HOOD EXHAUST (EE-1, EE-2) SYSTEM. EXHAUST FAN MUST BE INSTALLED WITH A CLEARANCE OF 10'-0" FROM THE NEAREST OUTSIDE AIR INTAKE. CONTRACTOR TO PROVIDE GREASE TRAPS. SEE DETAIL 03/M101 FOR FURTHER INFORMATION.
  - GREASE EXHAUST DUCT DOWN TO TYPE I HOOD COLLAR. PROVIDE AND INSTALL INSULATION FOR ALL ASSOCIATED DUCTWORK. INSULATION FOR EXHAUST DUCT TO BE 2" THERMAL CERAMICS "THE MASTER DUCT WRAP 24x24" (TWO LAYERS) FEMSTER AND LONGITUDINAL OVERLAP, 2". PERFORMANCE TEST STANDARD ACH10/ASME 2336. THE BLANKET IS FACED WITH FOIL ON ONE SIDE, THE WRAP IS 2-HOUR FIRE RATED AND IS UL LISTED. EXHAUST DUCT JOINTS AND SEAMS TO BE CONTINUOUS, LIQUID TIGHT WELDED 18 GA. BLACK IRON DUCTWORK FROM HOOD TO EXHAUST FAN. CONTRACTOR IS RESPONSIBLE FOR FINAL HOOD SYSTEM DUCTWORK DESIGN. HOOD SYSTEM TO BE PROVIDED WITH ENERGY MANAGEMENT SYSTEM (EMS) AND TRANSITION AT HOOD COLLAR.
  - 10x10 TOILET EXHAUST DUCT UP THRU TO ROOF MOUNTED EE-3. PROVIDE BUG SCREEN AND MAINTAIN 10'-0" CLEARANCE TO OUTSIDE AIR INTAKES. SEE FAN SCHEDULE ON SHEET M102 FOR FAN INFORMATION.
  - 6" EXHAUST DUCT FROM EE-4 UP THRU ROOF TO GOOSENECK. PROVIDE BIRDSCREEN MAINTAIN 10'-0" CLEARANCE TO OUTSIDE AIR INTAKES. SEE FAN SCHEDULE ON SHEET M102 FOR FAN INFORMATION AND SEE DETAIL 03/M101 FOR GOOSENECK. COORDINATE WITH ELECTRICAL CONTRACTOR.
  - 16x14 SUPPLY AIR DUCT UP THRU ROOF TO MUA-1.
  - LOCATION OF REMOTE TEMPERATURE SENSOR - MOUNT 56" A.F.F. ENSURE LOCATION IS NOT IN CONFLICT WITH BMBR GRAPHICS. PROVIDE INSULATED BASE IF INSTALLED ON EXTERIOR WALL.
  - LOCATION OF THERMOSTATS FOR RTU-1, RTU-2, RTU-3, AND RTU-4. PROGRAMMABLE THERMOSTAT TO BE HONEYWELL COMMERCIAL VISION PRO 8000 MODEL FT8220. COORDINATE THERMOSTAT LOCATION WITH FURNITURE LAYOUT AND ARCHITECTURAL PLANS.
  - LOCATION OF ANSUL SYSTEM REMOTE MANUAL PULL STATION. VERIFY EXACT LOCATION WITH KITCHEN EQUIPMENT SUPPLIER.
  - LOCATION OF DUCT SMOKE DETECTOR TEST/RESET - MOUNT 56" A.F.F.
  - COORDINATE EXACT LOCATION OF DUCTWORK WITH NEW WALL. DUCTWORK TO BE CONCEALED BY DROP CEILING OR GYP. CEILING.
  - RUN DUCT TIGHT TO ROOF DECK IN JOIST SPACE. BRANCHES SHALL BE WEBBED THROUGH JOIST SPACE OFF OF THE MAIN LINE. ALL DUCTWORK SHOULD NOT CROSS EACH OTHER.
  - ELECTRIC DUCT HEATER TO BE MOUNTED IN DUCTWORK ROUTED TO RESTROOMS. HEATER TO BE CONTROLLED BY THERMOSTAT AND FLOW SENSOR MOUNTED IN THE DUCT BETWEEN HEATER AND RESTROOM DIFFUSERS. PROVIDE TEMPERATURE SENSOR IN TOILET EXHAUST FAN DUCT AND THERMOSTAT MOUNTED ON LINE. SET @ 70°F. SYSTEM SHALL HAVE SELF-CONTAINED CONTROL SYSTEM. LOCATE THERMOSTAT IN EXHAUST DUCTS SO AS TO NOT GET BACKDRAFT FROM OUTSIDE AIR.
  - CABINET HEATER SHALL BE MOUNTED FROM STRUCTURE AT A HEIGHT OF 10'-0". ALLOW 24" FROM OPPOSITE SURFACES AND/OR 12" FROM AN ADJACENT SURFACE TO AIR OUTLET. ALLOW 6" BETWEEN HEATER AIR INLET TO AN OPPOSITE SURFACE. CABINET HEATER TO HAVE INTERNAL THERMOSTAT AND TO BE SET AT 55°F. REFER TO HEATER SCHEDULE ON M102 FOR INFORMATION. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
  - UNDERCUT DOOR 1" TO ALLOW AIR TO FLOW.
  - TRANSITION DOWN BELOW STRUCTURE AND KEEP TOP OF DUCTWORK TIGHT TO BOTTOM OF STRUCTURE.



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**BUFFALO WINGS AND RINGS**  
720 BYPASS ROAD  
CAMPBELLVILLE, KY 42718



DRAWING ISSUE	DATE	11/25/20
	BID AND PERMIT	
NO	DESCRIPTION	

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12.12.2020

**MECHANICAL FLOOR PLAN**  
SCALE: 1/4" = 1'-0"  
Drawn By: XXX Checked: ZSY/SJW

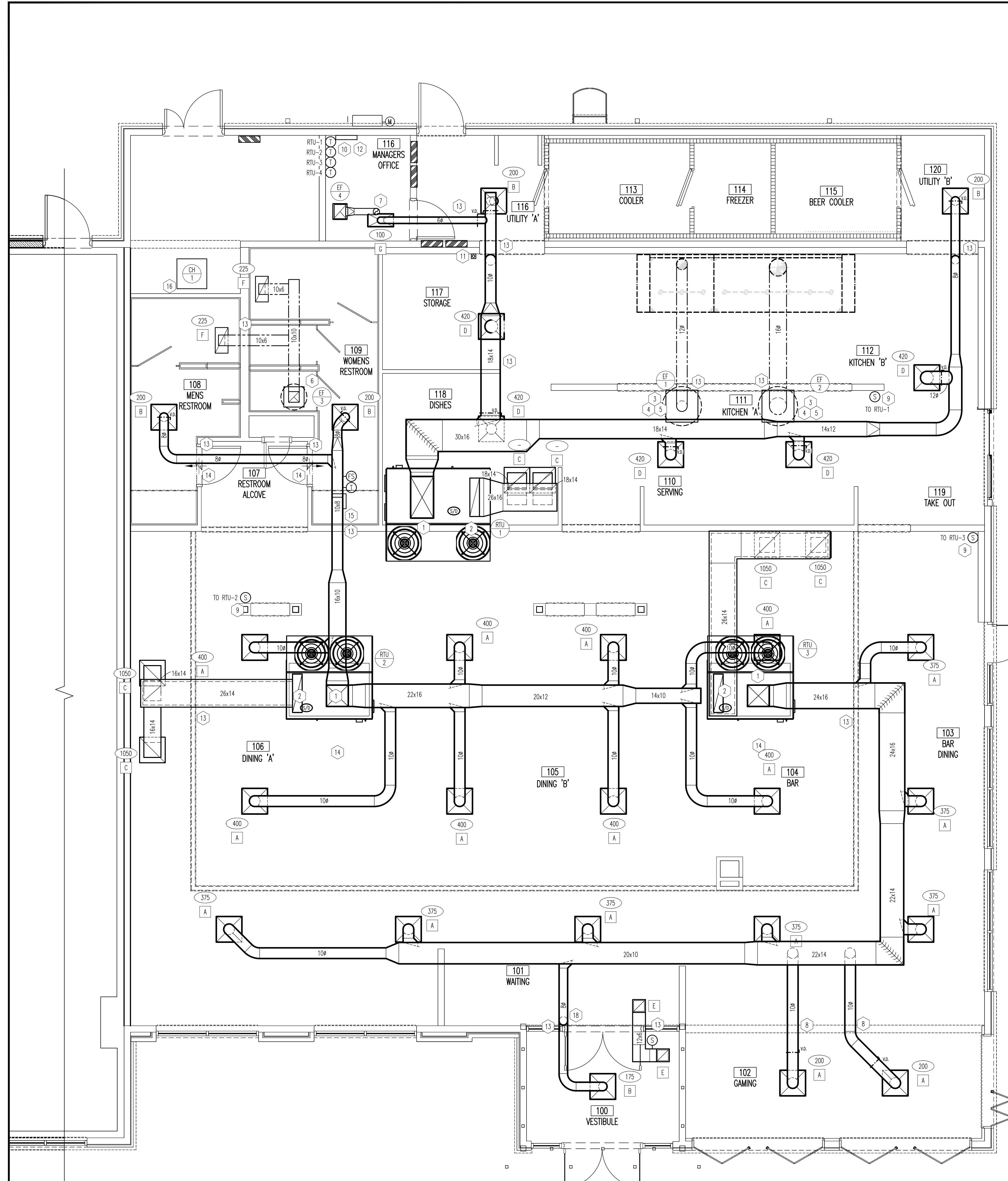
PROJECT NUMBER  
20-0501

SHEET NUMBER  
**M100**

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ORIGINAL PRINT SIZE - 30 X 42

ORIGINAL PRINT SIZE - 30 X 42



01 ALTERNATE MECHANICAL PLAN  
SCALE: 1/4"=1'-0"

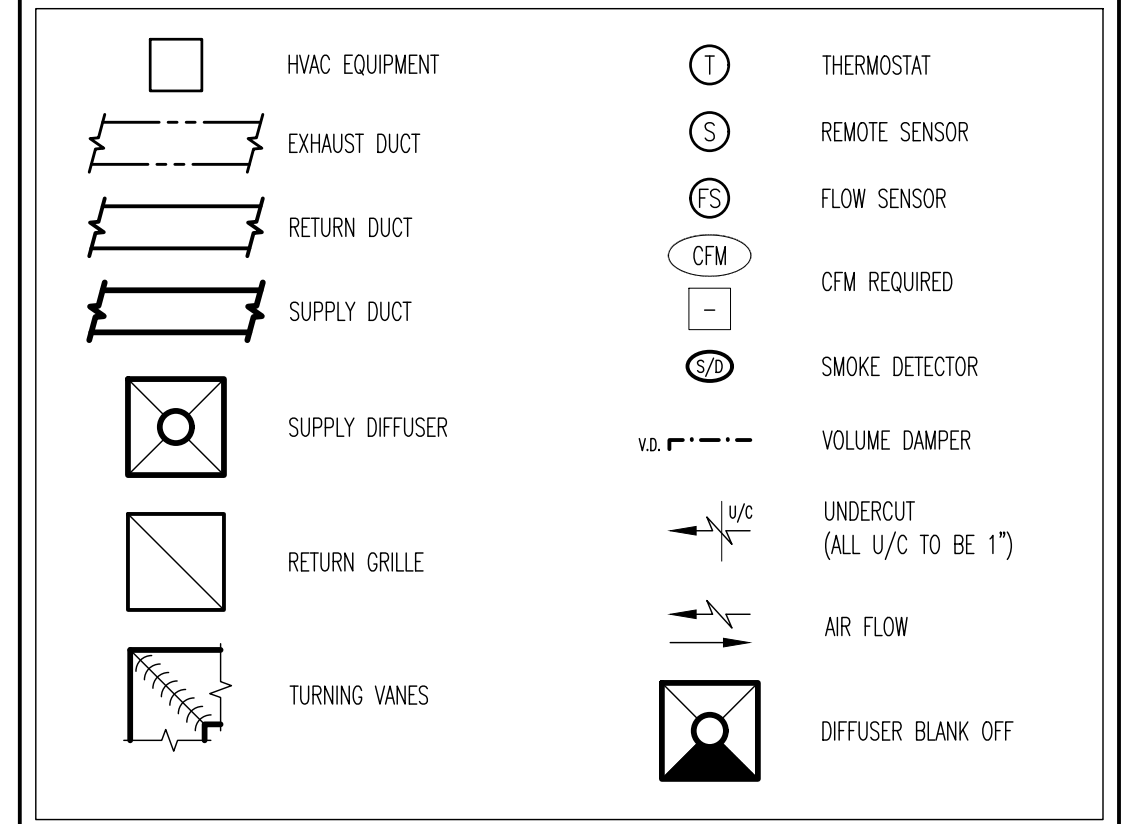
GENERAL NOTES

- 1. THE MECHANICAL CONTRACTOR SHALL VERIFY THAT ALL EQUIPMENT, AS SHOWN ON THESE DRAWINGS, WILL NOT CONFLICT WITH ANY DRAINS, SCUTTLERS, JOINTS, VENTS, PIPING, ROOF SCREENS OR EQUIPMENT.
2. ALL ROOFTOP EQUIPMENT SHALL HAVE MANUFACTURER SUPPLIED ROOF CURBS AND PIPE SEALS.
3. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ADMINISTERING ALL WARRANTIES ON EQUIPMENT WHICH HE INSTALLS. THIS INCLUDES, BUT IS NOT LIMITED TO REFRIGERANT LINES, ETC.
4. ALL OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10'-0" FROM ANY EXHAUST FAN OR PLUMBING VENT.
5. PROVIDE VIBRATION ISOLATION DEVICES AND FLEXIBLE CONNECTIONS TO ALL MOVING MACHINERY.
6. ALL DUCTWORK IS TO BE INSTALLED AS HIGH AND AS TIGHT TO STRUCTURE, AS POSSIBLE.
7. ALL FLEXIBLE DUCTS SHALL BE SUPPORTED EVERY 3'-0" WITH 2" WIDE GALV. STEEL BANDS WITH A MINIMUM OF ONE PER EACH SECTION OF FLEXIBLE DUCT. THE MAXIMUM ALLOWABLE LENGTH OF THE FLEX DUCT SHALL BE 5'-0".
8. NO FLEXIBLE DUCTWORK SHALL BE ALLOWED ABOVE INACCESSIBLE CEILINGS AND OPEN CEILING AREAS.
9. ALL DUCTWORK IS TO BE SHEET METAL AND INSTALLED PER SMACNA/LOCAL CODE. DUCT DIMENSIONS ARE CLEAR INSIDE DIMENSIONS. DUCTWORK MAY NEED TO BE UP-SIZED TO ACCOUNT FOR ANY FIELD INSTALLED INTERNAL INSULATION.
10. THE MECHANICAL CONTRACTOR SHALL COORDINATE ALL ROOF PENETRATIONS WITH THE GENERAL CONTRACTOR, STRUCTURAL DRAWINGS, OTHER TRADES, AND ALL OTHER REQUIRED OPENINGS. ALL REQUIRED OPENINGS IN FOUNDATIONS, FLOORS, WALLS AND ROOF SHALL BE CONSTRUCTED INTO THE STRUCTURE WITH THE USE OF SLEEVES, CURBS, ETC. CUTTING AND PATCHING SHALL BE HELD TO A MINIMUM.
11. ALL ITEMS PROJECTING THRU ROOF SHALL BE FLASHED THRU CURBS OR PIPE SEALS A MINIMUM OF 12" ABOVE THE ROOF. THE PIPE CURBS AND SEALS SHALL BE SUPPLIED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ROOFING CONTRACTOR. INSURE THAT AMPLE BOOT OPENINGS ARE PROVIDED TO ACCOMMODATE ANY ELECTRICAL CONDUIT PENETRATIONS REQUIRED.
12. ALL SUPPLY AND RETURN AIR DEVICES SHALL BE PAINTED AS REQUIRED BY THE OWNER.
13. COORDINATE WITH STRUCTURAL DRAWINGS FOR ALL ROOF PENETRATIONS AND SUPPORT.
14. ALL EXPOSED DUCT, FITTINGS AND AIR DEVICES SHALL BE PROVIDED WITH A MILL PHOSPHATIZED FINISH ("PAINTED GRP", "ZINC GRP" OR SIMILAR ETCH TREATMENT) TO ALLOW FOR PAINTING TO MATCH ADJACENT FINISH.
15. ALL ROOFTOP UNIT CONNECTIONS (SUPPLY AND RETURN) TO BE WITH FLEXIBLE CONNECTORS.
16. PROVIDE AND INSTALL ALL ROOFTOP UNIT EQUIPMENT WITH SPRING ISOLATORS ON ROOF CURB.
17. ALL DUCTWORK SHALL BE INSULATED PER REQUIREMENTS OF ASHRAE 90.1, INTERNATIONAL ENERGY CONSERVATION CODE (IECC), NFPA, SMACNA AND LOCAL CODES. THE FIRST 10 FEET OF NON-KITCHEN RETURN DUCTS SHALL BE INTERNALLY LINED WITH 1" HIGH THICK, 1-1/2 LB. DENSITY ACoustICAL INSULATION. OUTSIDE AIR DUCTWORK AND DUCTWORK IN UNCONDITIONED SPACES SHALL BE INSULATED WITH EXTERNAL INSULATION. INSULATION WRAP SHALL BE FIBERGLASS, FOIL BACKED WRAPPING.
18. ALL AIR DEVICES TO BE PAINTED TO MATCH ADJACENT CEILING COLOR. CONFIRM WITH ARCHITECT FOR ANY CLARIFICATIONS.

KEY NOTES

- 1. SUPPLY AIR DUCT CONNECTION TO NEW ROOF TOP UNIT.
2. RETURN AIR DUCT CONNECTION TO NEW ROOF TOP UNIT. PROVIDE DUCT MOUNTED SMOKE DETECTOR IN RETURN AIR DUCT. SMOKE DETECTOR TO SHUT DOWN ROOF TOP UNITS UPON ACTIVATION.
3. CAPTURED GREASE EXHAUST DUCT UP THRU ROOF TO EE-1, EE-2. REFER TO KEY NOTE 5 FOR MORE INFORMATION.
4. CONTRACTOR TO INSTALL VENDOR SUPPLIED CAPTURED KITCHEN HOOD EXHAUST (EE-1, EE-2) SYSTEM. EXHAUST FAN MUST BE INSTALLED WITH A CLEARANCE OF 10'-0" FROM THE NEAREST OUTSIDE AIR INTAKE. CONTRACTOR TO PROVIDE GREASE TRAPS. SEE DETAIL 03/M101 FOR FURTHER INFORMATION.
5. CAPTURED GREASE EXHAUST DUCT DOWN TO TYPE 1 HOOD COLLAR. SEE HOOD DETAILS - ALTERNATE FOR MORE INFORMATION.
6. 10x10 TOILET EXHAUST DUCT UP THRU TO ROOF MOUNTED EE-3. PROVIDE BUSH SCREEN AND MAINTAIN 10'-0" CLEARANCE TO OUTSIDE AIR INTAKES. SEE FAN SCHEDULE ON SHEET M102 FOR FAN INFORMATION.
7. 6"x EXHAUST DUCT FROM EE-4 UP THRU TO ROOF TO GOOSENECK. PROVIDE BUSH SCREEN MAINTAIN 10'-0" CLEARANCE TO OUTSIDE AIR INTAKES. SEE FAN SCHEDULE ON SHEET M102 FOR FAN INFORMATION AND SEE DETAIL 09/M101 FOR GOOSENECK. COORDINATE WITH ELECTRICAL CONTRACTOR.
8. TRANSITION DOWN BELOW STRUCTURE AND KEEP TOP OF DUCTWORK TIGHT TO BOTTOM OF STRUCTURE.
9. LOCATION OF REMOTE TEMPERATURE SENSOR - MOUNT 56" A.F.F. ENSURE LOCATION IS NOT IN CONFLICT WITH BMBR GRAPHICS.
10. LOCATION OF CAPTURED THERMOSTATS FOR REL-1, REL-2, AND REL-3. COORDINATE THERMOSTAT LOCATION WITH FURNITURE LAYOUT AND ARCHITECTURAL PLANS.
11. LOCATION OF ANSUL SYSTEM REMOTE MANUAL PULL STATION. VERIFY EXACT LOCATION WITH KITCHEN EQUIPMENT SUPPLIER.
12. LOCATION OF DUCT SMOKE DETECTOR TEST/RESET - MOUNT 56" A.F.F.
13. COORDINATE EXACT LOCATION OF DUCTWORK WITH NEW WALL. DUCTWORK TO BE CONCEALED BY DROP CEILING OR GYP. CEILING.
14. UNDERCUT DOOR 1" TO ALLOW AIR TO FLOW.
15. ELECTRIC DUCT HEATER TO BE MOUNTED IN DUCTWORK ROUTED TO RESTROOMS. HEATER TO BE CONTROLLED BY THERMOSTAT AND FLOW SENSOR MOUNTED IN THE DUCT BETWEEN HEATER AND RESTROOM DIFFUSERS. PROVIDE TEMPERATURE SENSOR IN TOILET EXHAUST FAN DUCT AND THERMOSTAT MOUNTED ON UNIT, SET @ 70°F. SYSTEM SHALL HAVE SELF-CONTAINED CONTROL SYSTEM. LOCATE THERMOSTAT IN EXHAUST DUCTS SO AS TO NOT GET BACKDRAFT FROM OUTSIDE AIR.
16. CABINET HEATER SHALL BE MOUNTED FROM STRUCTURE AT A HEIGHT OF 10'-0". ALLOW 24" FROM OPPOSITE SURFACES AND/OR 12" FROM AN ADJACENT SURFACE TO AIR OUTLET. ALLOW 6" BETWEEN HEATER AIR INLET TO AN OPPOSITE SURFACE. CABINET HEATER TO HAVE INTERNAL THERMOSTAT AND TO BE SET AT 55°F. REFER TO HEATER SCHEDULE ON M102 FOR INFORMATION. INSTALL PER MANUFACTURER'S INSTRUCTIONS.

LEGEND



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BUFFALO WINGS AND RINGS 720 BYPASS ROAD CAMPBELLVILLE, KY 42718



Table with columns for NO, DATE, and DESCRIPTION. Row 1: 11/25/20, BID AND PERMIT.

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12.12.2020

MECHANICAL FLOOR PLAN ALTERNATE SCALE: 1/4" = 1'-0" Drawn By: MEP Checked: LJD/SW

PROJECT NUMBER 20-0501

SHEET NUMBER M100 ALT

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**ROOFTOP UNIT SCHEDULE**

MARK	SUPPLIED BY	INSTALLED BY	MFC'R	MODEL	NOM. TONS	SUPPLY CFM	O/A CFM	EXT. S.P.	SUPPLY FAN B.H.P.	DESIGN CONDITIONS		LEAVING AIR TEMP.		COOLING BTU		HEATING		FUEL	ELECTRICAL				E.E.R.	OPER. WEIGHT LBS	ZONE SERVED	REMARKS
										DB	WB	DB	WB	COOLING TOTAL	COOLING SENSIBLE	HEATING INPUT BTU	HEATING OUTPUT BTU/H		VOLT	Ø	MCA	MOCP				
RTU-1	OWNER	CONTRACTOR	CAPITVEARE	CASRTU3-1300-15-15T-DOAG	15	2500	2500	0.5"	1.125	95	74	55	55	186,000	69,800	254,600	203,700	NATURAL GAS	208	3	59	60	18.6	2701	KITCHEN	
RTU-2	OWNER	CONTRACTOR	CAPITVEARE	CASRTU2-1200-18-10T-DOAG	10	3200	1100	0.5"	2.282	95	74	55	55	134,600	80,600	186,250	149,000	NATURAL GAS	208	3	60	70	18.6	2067	DINING	
RTU-3	OWNER	CONTRACTOR	CAPITVEARE	CASRTU2-1200-18-10T-DOAG	10	3200	1100	0.5"	2.282	95	74	55	55	134,600	80,600	186,250	149,000	NATURAL GAS	208	3	60	70	18.6	2067	DINING	

NOTES (FOR EACH UNIT):  
 1. LINES SELECTED AT 87°F DB, 65°F WB, 10°F OUTDOOR AMBIENT.  
 2. NO UNIT LOSSES INCLUDED. ALLOW FOR WET COIL AND DIRTY FILTER.  
 3. COORDINATE WITH ELECTRICAL, MANUFACTURER, & SUBMITTALS.  
 4. LIST OF MANDATORY ACCESSORIES TO BE FURNISHED FOR EACH UNIT.  
 5. WEIGHT LISTED IS THE BASE UNIT WEIGHT AND DOES NOT INCLUDE ACCESSORIES OR CURB WEIGHT.  
 6. UNITS TO BE COMMISSIONED BY CERTIFIED MANUFACTURER TECHNICIAN.

MANDATORY ACCESSORIES (FOR EACH UNIT):  
 - UNIT MOUNTED 15/30 RECP - FIELD WIRE  
 - 14" VIBRATION ISOLATION CURB  
 - REFRIGERANT SERVICE VALVES  
 - NOM. PREMIUM EFFICIENCY FAN MOTORS  
 - 2" PLEATED AIR FILTERS

- ADDITIONAL SET OF FINAL AIR FILTERS  
 - HAIL GUARDS  
 - R-410A REFRIGERANT SYSTEM  
 - POWER EXHAUST REQUIRED AT OR ABOVE 2000 CFM SUPPLY AIR  
 - RETURN AIR PANEL KIT  
 - NON-ADJUSTABLE SENSOR  
 - WEIGHT GIVEN IS BASE UNIT WEIGHT AND DOES NOT INCLUDE ACCESSORIES OR CURBS

**FAN SCHEDULE**

MARK	SUPPLIED BY	INSTALLED BY	MFC'R	MODEL	CFM	EXTERNAL STATIC PRESSURE INCHES W.G.	TYPE	ELECTRICAL			OPER. WEIGHT LBS	SERVING	REMARKS
								H.P.	VOLT	Ø			
FF-1	OWNER	CONTRACTOR	CAPITVEARE	DUSHFA	875	0.75	CENT.	0.5	115	1	82	HOOD 1	GREASE BOX, RUBBER MOUNT WITH EQUIPMENT SUPPORT RAILS, WEATHER HOOD, DISCONNECT UL 782 FAN
FF-2	OWNER	CONTRACTOR	CAPITVEARE	DU18HFA	2500	1.35	CENT.	1.5	208	3	176	HOOD 1	GREASE BOX, RUBBER MOUNT WITH EQUIPMENT SUPPORT RAILS, WEATHER HOOD, DISCONNECT UL 782 FAN
FF-3	OWNER	CONTRACTOR	CAPITVEARE	DR33HFA	500	0.5	CENT.	0.33	115	1	57	RESTROOMS	BACKDRIFT DAMPER, FACTORY CURB, BRIDSCREEN DISCONNECT
FF-4	OWNER	CONTRACTOR	CAPITVEARE	CFA-D200-CA	130	0.375	INLINE	0.094	115	1	14	A/V ROOM	DOORSCREEN, BACKDRIFT DAMPER, BRIDSCREEN DISCONNECT

NOTES:  
 1. FF-1, FF-2 and MUA-1 ARE TO BE ELECTRICALLY INTERLOCKED WITH RTU-1.  
 2. COORDINATE WITH ELECTRICAL, MANUFACTURER, & SUBMITTALS.

**CABINET HEATER SCHEDULE**

MARK	MFC'R	MODEL	SUPPLIED BY	INSTALLED BY	ELECT. HEAT		ELECTRICAL		CFM	AMPS	ZONE SERVED	REMARKS
					INPUT KW	VOLT	Ø	Ø				
CH-1	INDECO	CUH-2000C	CONTRACTOR	CONTRACTOR	1.0	208	1	250	11.0		SPRINKLER ROOM	

NOTES:  
 PROVIDE LOW VOLT THERMOSTAT, DISCONNECT, AND AUTOMATIC RESET.

**DUCT HEATER SCHEDULE**

MARK	MFC'R	MODEL	SUPPLIED BY	INSTALLED BY	SUPPLY CFM	FAN H.P.	ELECT. HEAT		ELECTRICAL		ZONE SERVED	REMARKS
							INPUT KW	VOLT	Ø	Ø		
DH-1	INDECO	QUA	CONTRACTOR	CONTRACTOR	40	-	6.0	208	1		RESTROOMS	DUCT HEATER TO BE CONTROLLED BY A THERMOSTAT AND FLOW SENSOR MOUNTED IN DUCT TO RESTROOM. HEATER TO BE SET AT 70°F.

**AIR BALANCE SCHEDULE**

ZONE	KITCHEN	DINING				
MARK	SUPPLY AIR-CFM	RETURN AIR-CFM	OUTSIDE AIR-CFM	EXHAUST AIR-CFM		PRESSURE
RTU-1	2500	----	2500	----		+2500
RTU-2	----	----	----	875		-875
RTU-3	----	----	----	2500		-2500
RTU-4	----	----	----	130		-130
SUBTOTAL	2500	0	2500	3505		-1005
ZONE	DINING					
MARK	SUPPLY AIR-CFM	RETURN AIR-CFM	OUTSIDE AIR-CFM	EXHAUST AIR-CFM		PRESSURE
RTU-2	3200	2100	1100	----		+1100
RTU-3	3200	2100	1100	----		+1100
RTU-4	----	----	----	500		-500
SUBTOTAL	6400	4200	2200	500		1700
	SUPPLY AIR-CFM	RETURN AIR-CFM	OUTSIDE AIR-CFM	EXHAUST AIR-CFM		PRESSURE
BUILDING TOTALS	8900	4200	4700	4005		695

NOTES:  
 A COMPLETE TEST AND AIR BALANCE SHALL BE PERFORMED ON ALL AIR DISTRIBUTION EQUIPMENT. THE TEST AND BALANCE SHALL BE PERFORMED BY AN INDEPENDENT, FULLY CERTIFIED TAB AGENCY THAT SPECIALIZES IN THE TESTING AND BALANCING OF AIR AND HYDRONIC SYSTEMS. THE TAB AGENCY SHALL SUBMIT TO THE OWNER (6) COPIES OF A WRITTEN REPORT WITHIN 10 DAYS AFTER THE INSPECTION IS COMPLETE. LIST ALL COMPLAINTS AND MALFUNCTIONS ENCOUNTERED AND INDICATE STEPS TAKEN OR NEEDED TO BE TAKEN TO CORRECT.  
 THE TAB AGENCY TO BE AMEC CERTIFIED.

ALL EQUIPMENT USED ON THIS PROJECT IS TO BE UL LISTED AND BEAR THE UL 710 LISTED LABEL.  
 DUCT SMOKE DETECTORS TO PROVIDE SHUT DOWN IN 30 SECONDS OR LESS

**VENTILATION REQUIRED**

ROOM USE	SQ. FT.	No. PEOPLE	No. RESTROOM EXTERIORS	O.A. CFM/ SQ.FT.	O.A. CFM/ PERSON	O.A. CFM REQ'D	EXHAUST CFM/ SQ.FT. (EXT.)	EXHAUST CFM REQ'D
KITCHEN	1405	15	-	0.12	7.5	281	0.7	983
DINING	2815	141	6	0.18	7.5	1564	(50)	300
TOTAL								1284

ROOM USE	SUPPLY AIR	RETURN AIR	OUTSIDE AIR	EXHAUST AIR
KITCHEN	2500	0	2500	3505
DINING	6400	4200	2200	500
TOTAL			4700	

OUTSIDE VENTILATION AIR DESIGN PER ASHRAE STANDARD 62.1 AND THE INTERNATIONAL MECHANICAL CODE

**AIR DISTRIBUTION**

MARK	MFC'R	MODEL	FLOW RATE CFM	CORE VEL. FPM	N.C. LEVEL	MODULE SIZE	NECK SIZE	DESCRIPTION
CFM A	TITUS	TMS-AA	SEE PLANS	500 MAX.	30 MAX.	24x24	10ø	4-WAY FIXED LOUVER CLG. DIFFUSER
CFM B	TITUS	TMS-AA	SEE PLANS	500 MAX.	30 MAX.	24x24	8ø	4-WAY FIXED LOUVER CLG. DIFFUSER
CFM C	TITUS	350FL	SEE PLANS	-	30 MAX.	24x24	22x22	ALUMINUM LOUVERED RETURN GRILLE
CFM D	TITUS	PAS-AA	SEE PLANS	500 MAX.	30 MAX.	24x24	12ø	PERFORATED CLG. DIFFUSER
CFM E	TITUS	300RL	SEE PLANS	-	30 MAX.	12x12	10x10	TRANSFER GRILLE
CFM F	TITUS	50F	SEE PLANS	-	30 MAX.	24x12	10ø6	EGGCRATE EXHAUST GRILLE
CFM G	TITUS	TMS-AA	SEE PLANS	500 MAX.	30 MAX.	24x12	6	4-WAY FIXED LOUVER CLG. DIFFUSER
CFM H	TITUS	350FL	SEE PLANS	-	30 MAX.	24x20	22x22	ALUMINUM LOUVERED RETURN GRILLE

GENERAL NOTES:  
 1. PROVIDE ALL AIR DEVICES WITH DAMPERS TO AID IN AIR BALANCING.  
 2. ALL AIR DEVICE COLOR SHALL MATCH ADJACENT FINISH COLORS.  
 3. PROVIDE EQUIVALENT PLASTER MOUNTING FRAMES FOR ALL AIR DEVICES MOUNTED IN GYPBOARD CEILINGS.  
 4. SECTORIZING BAPLES FOR DIRECTIONAL CONTROL WHERE NOTED ON DRAWINGS

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**BUFFALO WINGS AND RINGS**  
 720 BYPASS ROAD  
 CAMPBELLVILLE, KY 42718



WINGS & RINGS

NO.	DESCRIPTION	DATE
	BID AND PERMIT	11/25/20

STAMP

12/12/20

MECHANICAL SCHEDULES - ALTERNATE  
 Scale: NONE  
 Checked: SWJ  
 Drawn By: BAC

PROJECT NUMBER  
 20-0501

SHEET NUMBER  
**M102**  
**ALT**

FOR BID ONLY

THE TERMS GENERAL CONTRACTOR, G.C. AND CONTRACTOR SHALL BE INTERCHANGEABLE. MECHANICAL SPECIFICATION SHEETS ARE INTENDED TO BE ALL-INCLUSIVE AND INCLUDE SPECIFICATION SECTIONS THAT MAY OR MAY NOT APPLY TO THIS PARTICULAR PROJECT. REFER TO THE DRAWINGS FOR SCOPE OF WORK.

**MECHANICAL GENERAL PROVISIONS - SECTION 1500**

**A. GENERAL CONDITIONS**

- DRAWINGS AND GENERAL PROVISIONS OF CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND ALL OTHER SPECIFICATION SECTIONS ARE A PART OF THIS CONTRACT AND APPLY TO THIS AND THE OTHER SECTIONS OF DIVISION 15.
- THE CONTRACTOR FOR THIS WORK IS REQUIRED TO READ THE ENTIRE SPECIFICATIONS AND REVIEW DRAWINGS FOR ALL OTHER TRADES.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING HIS SUBCONTRACTORS WITH A FULL SET OF BID SET DOCUMENTS (INCLUDING SPECIFICATIONS) AND THE COORDINATION OF HIS WORK AND INSPECTIONS AND THE WORK AND INSPECTIONS OF HIS SUBCONTRACTORS WITH ALL OTHER TRADES ON SITE CONFORMING TO THE GENERAL CONTRACTOR'S TIME SCHEDULE.
- THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING HIS BID TO DETERMINE CONDITIONS AFFECTING THE WORK. BIDS 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 WORK.
- WHEN USED, THE TERM "PROVIDED BY CONTRACTOR" SHALL BE INTERPRETED AS MEANING "FURNISHED AND INSTALLED" WITH THE EXCEPTION WHERE ITEMS ARE "PROVIDED BY OWNER" WHICH MEANS "FURNISHED ONLY" (INSTALLED BY CONTRACTOR), EXCEPT AS SPECIFICALLY NOTED OTHERWISE.

**B. GENERAL REQUIREMENTS**

- THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION, INCIDENTALS AND DETAILS NECESSARY TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL 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 SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR. CLOSELY COORDINATE THE ENTIRE INSTALLATION WITH THE OWNER, AS REQUIRED. FIELD VERIFY THE EXACT TYPE, SIZE AND LOCATION, ETC. OF EXISTING PIPE AND DUCTS IN THE TENANT SPACE PRIOR TO BID.
- THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPLEMENT EACH OTHER AND ANY MATERIAL OR LABOR CALLED FOR IN ONE SHALL BE PROVIDED EVEN THOUGH NOT SPECIFICALLY MENTIONED IN THE 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 PROVIDED AS PART OF CONTRACT.
- WHERE THE DRAWINGS OR SPECIFICATIONS CALL FOR ITEMS WHICH EXCEED CODES, THE CONTRACTOR IS STILL RESPONSIBLE FOR PROVIDING THE SYSTEM AS DESIGNED AND DISCORDERED ON THESE DRAWINGS, UNLESS SPECIFICALLY NOTED OTHERWISE.
- ALL MECHANICAL WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING, AND REPAIRING. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUFFICIENT ACCESS TO ALL EQUIPMENT FOR SERVICE.
- THE CONTRACTOR SHALL DO ALL CUTTING, CORE DRILLING, CHASING OR CHAMFERING AND PATCHING REQUIRED FOR ANY WORK UNDER THIS DIVISION. CUTTING SHALL HAVE PRIOR APPROVAL BY THE CONSTRUCTION MANAGER. PATCHING SHALL MATCH FINISH OF SURROUNDING AREA.

**C. CODES**

- ALL WORK SHALL BE PERFORMED IN A NEAT PROFESSIONAL MANNER USING GOOD ENGINEERING PRACTICES. ALL WORK SHALL CONFORM TO THE OWNER'S CRITERIA, THE STATE'S, COUNTY'S, CITY'S AND LOCAL CODES AND ORDINANCES, SAFETY AND HEALTH CODES, NFPA CODES, ENERGY CODES AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS. THE CONTRACTOR SHALL INQUIRE INTO AND COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS. AFTER CONTRACT IS ISSUED, NO ADDITIONAL COST DUE TO CODE ISSUES SHALL BE REMBURSED BY THE OWNER TO THE CONTRACTOR.

**D. LICENSES, PERMITS, INSPECTIONS & FEES**

- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL LICENSES, PERMITS, INSPECTIONS, AND FEES REQUIRED OR RELATED TO HIS WORK.
- FURNISH TO THE CONSTRUCTION MANAGER ALL CERTIFICATES OF INSPECTION AND FINAL INSPECTION APPROVAL AT SUBSTANTIAL COMPLETION DATE OF PROJECT.

**E. DRAWINGS**

- DRAWINGS (PLANS, SPECIFICATIONS, AND DETAILS) ARE DIAGRAMATIC AND INDICATE THE GENERAL LOCATION AND INTENT OF THE MECHANICAL SYSTEMS. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL DUCT AND PIPING OFFSETS, FITTINGS AND ACCESSORIES THAT MAY BE REQUIRED.
- THE LAYOUT SHOWN ON THE DRAWINGS IS BASED ON A PARTICULAR MAKE OF EQUIPMENT. IF ANOTHER MAKE OF EQUIPMENT IS USED WHICH REQUIRES MODIFICATION OR CHANGE OF ANY DESCRIPTION FROM THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE AS PART OF THIS WORK, FOR MAKING ALL SUCH MODIFICATIONS AND CHANGES, INCLUDING THOSE INVOLVING OTHER TRADES WITH THE COST THEREOF INCLUDED IN HIS BID. IN SUCH CASE, CONTRACTOR SHALL SUBMIT DRAWINGS AND SPECIFICATIONS PRIOR TO STARTING WORK SHOWING ALL SUCH MODIFICATIONS AND CHANGES. HIS PROPOSAL SHALL BE SUBJECT TO THE APPROVAL OF THE CONSTRUCTION MANAGER.

**F. EXISTING SPACE CONDITIONS**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE DEMOLITION OF EXISTING MECHANICAL WORK SHOWN ON THE MECHANICAL DRAWINGS AND THE MECHANICAL DEMOLITION SHOWN ON THE ARCHITECTURAL DRAWINGS.
- THE CONTRACTOR SHALL INCLUDE, AND WILL BE HELD RESPONSIBLE FOR, THE REMOVAL OF ALL EXISTING FIRE PROTECTION, PLUMBING FIXTURES, PIPING, HVAC UNITS, REFRIGERANT RECAPTURE, EXHAUST FANS, ETC. AND ASSOCIATED ROOF CURBS NOT TO BE RELIED ON THIS PROJECT, UNLESS SPECIFICALLY NOTED OTHERWISE. CONTRACTOR MUST VERIFY WITH THE CONSTRUCTION MANAGER ALL PRESUMED ABANDONED EQUIPMENT, PIPES, DUCTWORK, AND EQUIPMENT PRIOR TO REMOVAL. ROOF CURBS SHALL BE REMOVED AND THE ROOF PATCHED UNLESS NOTED FOR REUSE OR RECONSTRUCTION ON PLANS. ROOF PATCHING SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE BY A ROOFING CONTRACTOR APPROVED BY THE OWNER. ALL EXTRANEOUS ITEMS IN THE SPACE OR ON THE ROOF (ABOVE THIS SPACE) NOT APPLICABLE TO THE NEW WORK OR PART OF THE ACTIVE SYSTEM 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 OWNER OR CODES, ABANDONED PIPING AND/OR DUCTWORK MUST BE REMOVED TO POINT OF ORIGIN. CONFIRM THE EXTENT OF DEMOLITION PRIOR TO BID AND INCLUDE IN BID PROPOSAL.
- ACTIVE UTILITIES OR SERVICES ENCOUNTERED IN WORK SHALL BE PROTECTED AND SUPPORTED. IF EXISTING SERVICES NOT ANTICIPATED REQUIRE RELOCATION. CONTACT THE CONSTRUCTION MANAGER IMMEDIATELY. ALL COSTS FOR REPAIR OF DAMAGES TO ACTIVE SERVICES DURING CONSTRUCTION SHALL BE PAID FOR BY THE CONTRACTOR CAUSING THE DAMAGE.
- RE-INS AND MODIFICATIONS TO EXISTING OWNER SERVICES MUST BE DONE WITH MINIMUM INTERRUPTION OF OWNER'S OPERATION AND DURING HOURS SPECIFIED BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING EXACT WORKING HOURS OF THIS WORK WITH THE OWNER PRIOR TO SUBMITTING HIS BID. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL PREMIUM REQUIRED TO PERFORM MODIFICATIONS DURING OTHER THAN NORMAL WORKING HOURS. ALL SUCH WORK MUST BE COORDINATED WITH THE OWNER.

**G. DISCREPANCIES IN DOCUMENTS**

- 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, ADVISE THE GENERAL CONTRACTOR IN WRITING, PRIOR TO SUBMITTING HIS BID. THE GENERAL CONTRACTOR IS RESPONSIBLE TO ADVISE THE CONSTRUCTION MANAGER, IN WRITING, OF VARIATIONS TO CONTRACT DOCUMENTS PRIOR TO SUBMISSION OF BID. OTHERWISE, THE CONSTRUCTION MANAGER'S INTERPRETATION OF CONTRACT DOCUMENTS OR CONDITIONS SHALL BE FINAL WITH NO ADDITIONAL COMPENSATION PERMITTED.

**H. TRADE NAMES AND MANUFACTURERS**

- WHERE TRADE NAMES AND MANUFACTURERS ARE USED ON THE DRAWINGS OR IN THE SPECIFICATIONS, THE EXACT EQUIPMENT SHALL BE USED AS A MINIMUM STANDARD FOR THE BIDDING MANUFACTURERS. CONSIDERED AS AN EQUAL OR BETTER IN ALL ASPECTS TO THAT SPECIFIED WILL BE SUBJECT TO APPROVAL IN WRITING BY THE CONSTRUCTION MANAGER PRIOR TO ACCEPTANCE. THE USE OF ANY UNAUTHORIZED EQUIPMENT SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.

**I. SHOP DRAWINGS**

- SUBMIT SIX COPIES OF MATERIAL LISTS AND SHOP DRAWINGS FOR ALL EQUIPMENT AND DUCT FABRICATION DRAWINGS TO THE CONSTRUCTION MANAGER FOR APPROVAL PRIOR TO ORDERING EQUIPMENT. SUBMISSIONS MUST BE EARLY ENOUGH TO ALLOW THE CONSTRUCTION MANAGER EIGHT WORKING DAYS FOR REVIEW WITHOUT CAUSING DELAYS OR CONFLICTS TO THE JOB'S PROGRESS. SUBMITTALS SHALL BE IN ACCORDANCE WITH THE GENERAL CONDITIONS USING THE MANUFACTURER'S LISTED ON THE DRAWINGS. SHOP DRAWINGS SHALL INCLUDE ALL DATA THAT PERTAINS TO THE REQUIREMENTS SET FORTH ON THE DRAWINGS AND IN THE SPECIFICATIONS. THE SUBMITTAL SHALL INCLUDE BUT NOT BE LIMITED TO CUTS OR CATALOGS INCLUDING DESCRIPTIVE LITERATURE AND CHARACTERISTICS OF EQUIPMENT. SUBMITTALS SHALL SHOW MAJOR DIMENSIONS, ROUGH-IN DATA, CAPACITY, CURVES, PRESSURE DROP, CODE COMPLIANCE, MOTOR AND DRIVE DATA AND ELECTRICAL DATA. OBSERVE, SPECIFIC INSTRUCTIONS WHEN REQUIRED, SUBMITTALS SHALL BEAR THE STAMP OF THE GENERAL AND SUB-CONTRACTOR SHOWING THAT HE HAS REVIEWED AND CONFIRMED THAT THEY ARE CONFORMANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS OR INDICATE WHERE EXCEPTIONS TAKE PLACE. LACK OF SUCH CONTRACTOR'S REVIEW AND APPROVAL WILL BE CAUSE FOR REJECTION WITHOUT REVISION BY CONSTRUCTION MANAGER. ALL SHOP DRAWINGS MUST APPEAR IN THE OPERATION AND MAINTENANCE MANUALS LEFT ON SITE AT JOB COMPLETION.
- CONSTRUCTION MANAGER'S REVIEW OF SHOP DRAWINGS OR SCHEDULES SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR ERRORS, OMISSIONS OR OTHER DEFICIENCIES OR DEVIATIONS IN THE SHOP DRAWING FROM THE CONTRACT DRAWINGS AND SPECIFICATIONS.

**J. RECORD DRAWINGS**

- THE CONTRACTOR SHALL MAINTAIN ONE COPY OF DRAWINGS AND SPECIFICATIONS ON THE JOB SITE TO RECORD DEVIATIONS FROM CONTRACT DRAWINGS, SUCH AS:
  - LOCATION OF CONCEALED PIPING VALVES AND DUCTS.
  - REVISIONS, ADDITIONS, AND CHANGE ORDERS.
  - SIGNIFICANT DEVIATIONS MADE NECESSARY BY FIELD CONDITIONS, APPROVED EQUIPMENT SUBSTITUTIONS, AND CONTRACTOR'S COORDINATION WITH OTHER TRADES.
  - EXACT ROUTING OF ALL SANITARY AND DOMESTIC WATER PIPING UNDER FLOOR.
- AT COMPLETION OF THE PROJECT AND BEFORE FINAL APPROVAL, THE CONTRACTOR SHALL MAKE ANY FINAL CORRECTIONS TO DRAWINGS AND CERTIFY THE ACCURACY OF EACH PRINT BY SIGNATURE THEREON. THE DRAWINGS ARE TO BE TURNED OVER TO THE CONSTRUCTION MANAGER.

**K. GUARANTEE**

- THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORK 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 THE CONSTRUCTION MANAGER. PROVIDE EXTENDED WARRANTIES AS SPECIFIED WITH INDIVIDUAL EQUIPMENT. IN CASE OF REPLACEMENT OR REPAIR OF EQUIPMENT DUE TO FAILURE WITHIN GUARANTEE PERIOD, GUARANTEE ON THAT PORTION OF WORK SHALL BE EXTENDED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF SUCH REPLACEMENT OR REPAIR.

**L. OPERATIONS MANUALS**

- ONE COPY OF EACH OPERATION AND MAINTENANCE MANUAL FOR ALL EQUIPMENT FURNISHED ON JOB SHALL BE COLLECTED AND INSTALLED IN A 3" THICK RING BINDER AND TURNED OVER TO THE CONSTRUCTION MANAGER. EACH NOTEBOOK SHALL INCLUDE BUT NOT BE LIMITED TO INSTALLATION, MAINTENANCE AND OPERATING INSTRUCTIONS, PAMPHLETS OR BROCHURES, APPROVED SHOP DRAWINGS AND WARRANTIES OBTAINED FROM EACH MANUFACTURER OF PRINCIPAL ITEMS OF EQUIPMENT.

**M. SLEEVES**

- THE 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.
- ALL SLEEVES AND OPENINGS THROUGH FIRE RATED WALLS AND/OR FLOORS SHALL BE FIRE SEALED WITH CALCIUM SILICATE, SILICONE "TIVY" FOAM, 3/4" FIRE RATED SEALANTS OR EQUAL, SO AS TO RETAIN THE FIRE RATING OF THE FLOOR OR WALL. CONFORM TO U.L. ASSEMBLY RATINGS OF FLOOR OR WALL.
- 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 CEILING, OR FOR CONCEALED VERTICAL PIPING, SLEEVES SHALL BE NO. 22 U.S.G. GALVANIZED STEEL MINIMUM.
- SLEEVES TO BE MINIMUM 1/4 GAUGE STEEL.

**N. HANGERS**

- HANGERS SHALL INCLUDE ALL MISCELLANEOUS STEEL SUCH AS ANGLE, RON, BANDS, C-CAMPS WITH RETAINING CLIPS, CHANNELS, HANGER RODS, ETC., NECESSARY FOR THE INSTALLATION OF WORK.
- HANGERS SHALL BE FASTENED TO BUILDING STEEL, CONCRETE, OR MASONRY, BUT NOT TO PIPING OR DUCTWORK. HANGING FROM METAL DECK IS NOT PERMITTED. HANGERS MUST BE ATTACHED TO FITTING OR BRACE CHORD OF BAR JOIST, WHERE INTERFERENCES OCCUR, IN ORDER TO SUPPORT DUCTWORK OR PIPING, THE CONTRACTOR MUST INSTALL TRAPEZE TYPE HANGERS OR SUPPORTS WHICH SHALL BE LOCATED WHERE THEY DO NOT INTERFERE WITH ACCESS TO FIRE DAMPERS, VALVES, ACCESS DOORS AND OTHER EQUIPMENT SERVICE REQUIREMENTS AND/OR OTHER TRADES. HANGER TYPES AND INSTALLATION METHODS ARE SUBJECT TO ENGINEER'S CRITERIA.
- HANGERS FOR ALL INSULATED PIPING SHALL BE SIZED AND INSTALLED FOR THE OUTER DIAMETER OF INSULATION. INSTALL 4" LONG SPURT CIRCLE GALVANIZED SADDLE BETWEEN THE HANGER AND THE PIPE INSULATION.
- HANGERS AND PIPING OF DISSIMILAR METALS SHALL BE D-ELECTRICALLY SEPARATED FROM ONE ANOTHER.

**O. ACCESS DOORS**

- FURNISH STEEL ACCESS DOORS AND FRAMES, MIN. 14" X 20" OR AS SHOWN ON DRAWINGS, TO GENERAL CONTRACTOR FOR ALL LOCATIONS WHERE NECESSARY TO PROVIDE ACCESS TO CONCEALED VALVES, AND OTHER EQUIPMENT REQUIRING SERVICE OR INSPECTION. LOCATION, TYPE, SIZE AND NUMBER AS DETERMINED BY CONTRACTOR AND APPROVED BY CONSTRUCTION MANAGER TO SUIT EQUIPMENT REQUIREMENTS. GENERAL CONTRACTOR WILL INSTALL ACCESS DOORS AND FRAMES.
- ACCESS DOORS LOCATED IN FIRE-RATED WALLS, FLOORS, CEILING-FLOOR OR CEILING-ROOF ASSEMBLIES SHALL BE FIRE RATED, UNDERWRITER'S LABORATORIES, INC. LISTED AND LABELED.
- ACCESS DOORS SHALL BE FLUSH TYPE, MANUFACTURED FROM NO. 14 GAUGE STEEL, COMPLETE WITH FLUSH FLANGE TYPE FRAMES MANUFACTURED FROM NO. 16 GAUGE STEEL, PROVIDED WITH ANCHORS. ACCESS DOORS SHALL BE SUITABLE FOR INSTALLATION IN WALL OR CEILING MATERIALS SHOWN IN ROOM FINISH SCHEDULES.
  - ELECTRICAL MOTORS
    - FURNISH, INSTALL AND ALIGN ALL MOTORS REQUIRED FOR THIS EQUIPMENT. UNLESS THEY ARE FACTORY INSTALLED ON THE UNIT, ALL STARTERS AND ASSOCIATED WIRING AND SAFETY SWITCHES FOR SUCH MOTORS SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. STARTERS SHALL MEET ALL REQUIREMENTS AS DEFINED IN THE ELECTRICAL DIVISION OF THE SPECIFICATIONS.
    - DESIGN, CONSTRUCTION AND PERFORMANCE CHARACTERISTICS OF MOTORS SHALL CONFORM TO ALL APPLICABLE PROVISIONS OF LATEST NEMA ANSI, SEE STANDARDS FOR ELECTRICAL EQUIPMENT. ALL MOTORS SHALL BE SUITABLE FOR OPERATION ON VOLTAGE VARIATION OF PLUS OR MINUS 10%, 40 DEGREES C AMBIENT TEMPERATURE, HAVE A SERVICE FACTOR OF NOT LESS THAN 1.15.
      - LOW VOLTAGE (24 VOLT) WIRING
        - THE CONTRACTOR IS TO INSTALL ALL LOW VOLTAGE WIRING REQUIRED FOR HIS EQUIPMENT. THIS WORK INCLUDES ALL TRANSFORMERS AND DEVICES TO MAKE THIS A COMPLETE FUNCTIONAL SYSTEM.
        - ALL WORK IS TO CONFORM TO THE LATEST ADDITION N.E.C. AND TO DIVISION 16 ELECTRICAL SPECIFICATIONS.
        - ANY CONDUIT REQUIRED BY CODE OR THE OWNER'S EQUIPMENT WILL BE INSTALLED BY THE ELECTRICAL SUBCONTRACTOR.

**HEATING, VENTILATION, AND AIR CONDITIONING, SECTION 1500**

**A. SCOPE OF WORK**

- THE HVAC 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 MECHANICAL 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 (REFER TO RESPONSIBILITY SCHEDULE FOR EXACT RESPONSIBILITIES)
  - HVAC UNITS, EQUIPMENT, AND APPURTENANCES.
  - DUCTWORK, FITTINGS, DAMPERS, AND INSULATION.
  - HYDRONIC PIPING AND INSULATION (AS APPLICABLE, REFER TO PLANS).
  - REFRIGERANT PIPING (AS APPLICABLE, REFER TO PLANS).
  - DIFFUSERS, GRILLES, AND REGISTERS.
  - CURBS AND STEEL FRAMING FOR SUPPORT (AS APPLICABLE, REFER TO PLANS).
  - TESTING, ADJUSTING, AND BALANCING.
  - OPERATIONS MANUALS.
  - TEMPERATURE CONTROLS AND RELATED DIAGRAMS.
  - SEQUENCES OF OPERATION.
  - CONNECTION TO ANY LANDLORD ENERGY MANAGEMENT SYSTEM.
- BEFORE STARTING WORK, THIS CONTRACTOR SHALL 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.
  - HVAC EQUIPMENT
    - PRIMARY HEATING, VENTILATION AND AIR CONDITIONING UNITS.
      - PRIMARY HEATING, VENTILATION, AND AIR CONDITIONING UNITS ARE TO BE BY TRANE AS SCHEDULED. ALL COMPRESSORS ARE TO INCLUDE A 5-YEAR EXTENDED WARRANTY. ALL EQUIPMENT SHALL BE COMPLETE IN EVERY RESPECT WITH ALL DEVICES, APPURTENANCES, AND ACCESSORIES PROVIDED TO MEET THE DESIGN INTENT AND OPERATION OF THE SYSTEMS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
      - EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ALL AIR CONDITIONING EQUIPMENT MUST HAVE A CONDENSATE DRAIN AND BE TRAPPED IN ACCORDANCE WITH MANUFACTURER'S DATA. SEE DRAWINGS FOR ADDITIONAL DETAILS.
      - SECONDARY DRAIN PANS ARE REQUIRED TO BE INSTALLED BENEATH ALL INDOOR AIR CONDITIONING EQUIPMENT WITH THE EXCEPTION OF AIR HANDLING SECONDARY PANS TO PROTECT ENTIRE UNIT. PROVIDE CONDENSATE PUMPS, AS REQUIRED. CONDENSATE SHALL BE DIRECTED TO MOP SINK OR AS SPECIFIED ON PLANS.
    - ROOFTOP UNITS
      - UNITS TO HAVE DIRECT DRIVE HERMETIC COMPRESSORS WITH INTERNAL SPRING VIBRATION ISOLATION, BUILT-IN THERMAL OVERLOAD PROTECTION, CRANKCASE HEATER, LOW PRESSURE SWITCHES.
      - EVAPORATOR SECTION TO HAVE COPPER TUBE/ALUMINUM FIN COOL, CENTRIFUGAL BLOWER WITH BELT DRIVE, DRAIN PAN, FILTER RACK WITH THROWAWAY FILTERS.
      - CONDENSER SECTION WITH COPPER TUBE/ALUMINUM FIN COOLS AND DIRECT DRIVE PROPPELLER FANS.
      - SECTION TO HAVE HEAT EXCHANGER, MINIMUM 81% AFUE RATING, FORCED COMBUSTION BLOWER AND COMPLETE FACTORY INSTALLED CONTROLS INCLUDING TOXIC GAS SAFETY SHUTOFF AND DIRECT SMOKE CONTROL. HEATING EXCHANGERS TO HAVE EXTENDED (5 YEAR) WARRANTY.
      - UNIT CABINET OF HEAVY GAUGE GALVANIZED STEEL WITH WEATHER RESISTANT BAKED ENAMEL FINISH. UNIT TO HAVE ROOF CURB, ECONOMIZER CONTROL SECTION WITH BAROMETRIC RELIEF DAMPER.
      - MICROPROCESSOR CONTROLS SHALL INCLUDE ANTI-SHORT CYCLE TIMERS, AND MINIMUM RUN TIME SEQUENCE. UNIT TO HAVE SINGLE POINT POWER CONNECTION AND 120 VAC, 20 AMP DUPLEX CONNENANCE RECEPTACLE WITH COVER U.L. LISTED FOR DAMP LOCATIONS.
  - NOT USED
  - EXHAUST FANS
    - BASIS OF DESIGN FOR EXHAUST FANS IS ACCURATE, APPROVED EQUIPMENT BY PENN OR ADME IS ALSO ACCEPTABLE.
    - PROVIDE EXHAUST FAN UNITS COMPLETE WITH GRIVITY BACK BRANT DAMPERS. ALL DUCTWORK, ROOF OPENINGS, CURBS AND CAPS NECESSARY TO PROVIDE A COMPLETE EXHAUST SYSTEM. REFER TO PLANS FOR APPLICABILITY.
    - CENTRIFUGAL ROOF EXHAUST FANS SHALL BE BELT DRIVE WITH ALUMINUM HOUSING, BIRD SCREEN, PERMANENTLY LUBRICATED MOTOR, ULL LISTING AND INTEGRAL DISCONNECT SWITCH.
    - CEILING OR CABINET FANS SHALL HAVE CENTRIFUGAL WHEEL WITH BACKDRAFT DAMPER, VIBRATION ISOLATORS, INTEGRAL DISCONNECT SWITCH, WHITE PLASTIC GRILLE (WHERE APPLICABLE) AND ULL LISTING.
  - BASEBOARD, CABINET, AND UNIT HEATERS
    - WHERE SHOWN ON DRAWINGS, PROVIDE ELECTRIC HEATERS COMPLETE WITH ELECTRIC HEATING COIL, CONTROLS, AND INTEGRAL THERMOSTAT. VIBRATION ISOLATION DEVICES VIBRATION ISOLATION DEVICES SHALL BE PROVIDED IN ALL SUPPORTS BETWEEN VIBRATING EQUIPMENT (FANS, ROOFTOP UNITS, AIR HANDLERS, ETC.) AND STRUCTURES.
    - VIBRATING EQUIPMENT HANG FROM STRUCTURE SHALL BE ISOLATED WITH RUBBER AND SPRING DEVICES. VIBRATING EQUIPMENT SUPPORTED FROM FLOOR OR DECK SHALL BE ISOLATED WITH HUNG SPRING MOUNT DEVICES.
    - EXAMINE LOAD LOAD AND OPERATING LOAD CONDITIONS WHEN SELECTING DEVICES. ADJUST FOR PROPER ALIGNMENT AND LOADING. AVOID "ROUNDING" THE ISOLATOR.

**D. CHECK HANGER ROD SIZE FOR ALLOWABLE LOADS AT THE ISOLATING DEVICE AND AT THE UPPER AND LOWER ATTACHMENTS TO STRUCTURES, DUCTS, EQUIPMENT, ETC.**

**E. CONSULT MANUFACTURER FOR APPLICATION DATA.**

**7. CURBS AND STEEL FRAMING FOR SUPPORT.**

- CURB IS TO BE SPECIFIC TO MANUFACTURER.
- THIS CONTRACTOR WILL PROVIDE ALL NECESSARY CURBS AND STEEL FRAMING REQUIRED TO INSTALL ALL HVAC EQUIPMENT AS DESCRIBED OR IMPLIED ON THE DRAWINGS. CURBS SHALL BE A MINIMUM OF 14" HIGH, OF THE SAME MANUFACTURER OF THE EQUIPMENT SUPPORTED. INSULATE UNDER THE CONFINER SECTION TO PREVENT CONDENSATION. ALL CURBS MUST BE INSTALLED SO THAT TOP OF CURBS ARE "DEAD" LEVEL. ALL PENETRATIONS OF EXISTING STRUCTURE SHALL BE DONE IN ACCORDANCE TO THE OWNER'S GUIDELINES AT THIS CONTRACTOR'S EXPENSE.
  - METAL DUCTWORK - NO FERROUS DUCT ALLOWED

- DUCTWORK SHALL BE FABRICATED PRIOR TO APPROVAL BY THE CONSTRUCTION MANAGER. SIGNIFICANT DEVIATIONS FROM DESIGN MUST BE APPROVED BY CONSTRUCTION MANAGER PRIOR TO FABRICATION OR INSTALLATION. ALL DUCT MAINS ARE TO BE RECTANGULAR UNLESS NOTED OTHERWISE. ALL DUCT BRANCHES TO DIFFUSERS ARE TO BE ROUND MAINS TO BE:
  - EXCEPT AS OTHERWISE INDICATED, FABRICATE AND INSTALL RECTANGULAR DUCTS WITH GALVANIZED SHEET STEEL, IN ACCORDANCE WITH SHAWMA "HANG" DUCT CONSTRUCTION STANDARDS OF THE LATEST EDITION, CONFORM TO THE REQUIREMENTS IN THE REFERENCED STANDARD FOR METAL THICKNESS, REINFORCING TIES AND INTERVALS, THE ROOF APPLICATIONS, AND JOINT TYPES AND INTERVALS.
  - EXCEPT WHERE OTHERWISE INDICATED, CONSTRUCT DUCT SYSTEMS TO THE FOLLOWING PRESSURE CLASSIFICATIONS: (VERIFY WHETHER FLOOR DUCT IS POSITIVE OR NEGATIVE PRESSURE).
    - SUPPLY DUCTS: 2 INCHES WATER GAUGE, POSITIVE PRESSURE.
    - RETURN AND EXHAUST DUCTS: 2 INCHES WATER GAUGE NEGATIVE PRESSURE. PRESSURE TEST DUCTS FOR LEAKAGE. RE-MAKE LEAKING JOINTS AND APPLY SEALANTS AS REQUIRED TO FABRICATE A SYSTEM THAT DOES NOT EXCEED 5% LEAKAGE OR LESS AS STATED BY PRESSURE CLASS RATINGS IN SHAWMA STANDARDS.
  - AS A MINIMUM, CROSSBRAM ALL FLAT SURFACES OR REINFORCE WITH A BEAD APPROXIMATELY 3/8" WIDE X 3/16" DEEP ON 12" CENTERS TO PREVENT VIBRATIONS.
- INSTALL DOUBLE THICKNESS TURNING VANES IN ALL RIGHT ANGLE ELBOWS.
- INSTALL RIGID ROUND AND RECTANGULAR METAL DUCT WITH SUPPORT SYSTEMS INDICATED IN SHAWMA STANDARDS. SUPPORT HORIZONTAL DUCTS WITHIN 2 FEET OF EACH ELBOW AND WITHIN 4 FEET OF EACH BRANCH INTERSECTION USING DOUBLE STRAP HANGERS ON EACH SIDE OF FITTING. SUPPORT VERTICAL DUCTS AT A MINIMUM INTERVAL OF 16 FEET AND AT EACH FLOOR. NO WOOD SHALL BE USED TO SUPPORT OR BRACE DUCTS. PROVIDE SNAY AND SEISMIC BRACING AS REQUIRED BY STATE AND LOCAL CODES OR BY LANDLORD.
- WHERE DUCTS PASS THROUGH ROOFS AND FLOORS, PROVIDE AS MINIMUM 1-1/2"x1-1/2" X1/8" STEEL ANGLE FRAMES AT EACH SIDE OF OPENING. THE ANNULAR SPACE BETWEEN DUCT AND ANGLE FRAMES SHALL BE CALKED WITH SILICONE SEALANT OR FIREPROOFED AS REQUIRED BY ASSEMBLY FIRE RATING.
- ALL TRAVERSE JOINTS AND SEAMS IN SUPPLY AIR DUCT SHALL BE SEALED AIR TIGHT WITH DAP CAP DUCT SEALER. JOINTS ALSO SHALL BE RIVETED OR CONNECTED WITH SHEET METAL SCREWS.
- SOFT ELASTOMER BUTYL GASKET WITH ADHESIVE BACKING SHALL BE USED TO SEAL FLANGED JOINTS.
  - ACCESS DOORS
- DUCT TRANSITIONS SHALL NOT EXCEED 30 DEGREES SLOPE EXCEPT AS SPECIFICALLY NOTED OTHERWISE.

**11. PROVIDE ACCESS TO ALL MOTORIZED DAMPERS, FIRE DAMPERS, CONTROLS, AND OTHER ITEMS IN DUCTWORK THAT REQUIRE SERVICE OR INSPECTION. IN THE ACCESS PANEL LOCATION IS EXPOSED TO THE SALES AREA, IT MUST BE APPROVED BY THE TENANT'S CONSTRUCTION MANAGER PRIOR TO INSTALLATION. LAY-IN SUPPLY AND RETURN AIR DIFFUSERS, GRILLES AND REGISTERS WITH PLASTER FRAMES MAY BE USED AS ACCESS LOCATIONS.**

**12. FLEXIBLE CONNECTIONS**

- FLEXIBLE COLLARS SHALL BE PROVIDED IN ALL CONNECTIONS BETWEEN VIBRATING EQUIPMENT (FANS, ROOFTOP UNITS, AIR HANDLERS, FAN POWERED VW BOXES, ETC.) AND DUCTS OR CASINGS. ALSO, PROVIDE FLEXIBLE CONNECTIONS WHERE DUCTS CROSS BUILDING EXPANSION JOINTS.
- FLEXIBLE CONNECTIONS SHALL CONSTRUCTED OF NEOPRENE-COATED FLAMEPROOF FABRIC. PROVIDE ADEQUATE JOINT FLEXIBILITY TO ALLOW FOR MOVEMENT AND PREVENT THE TRANSMISSION OF VIBRATION. FLEXIBLE CONNECTION IS TO BE RATED FOR THE OPERATING PRESSURE OF THE SYSTEM.

**13. FIRE DAMPERS**

- PROVIDE PRIMARY FIRE DAMPERS WHERE INDICATED OR REQUIRED BY CODES. DAMPERS SHALL BE DESIGNED FOR HORIZONTAL OR VERTICAL FLOW OF AIR AS REQUIRED. FIRE DAMPERS SHALL BE UL LABELED.
- FIRE DAMPERS SHALL HAVE THE BLADES OUT OF THE AIRSTREAM AND A TEST FUSIBLE LINK, TYPE A, AS MINIMUM.
- PROVIDE ALL NECESSARY FRAMING AND SLEEVES FOR DAMPER MOUNTING PER UL AND CODE REQUIREMENTS.
- PROVIDE DUCT ACCESS DOORS IN AN ACCESSIBLE LOCATION FOR ALL FIRE DAMPERS. DOOR IS TO BE 20 GA GALVANIZED DOOR WITH QUICK-OPENING LATCH AND PANDA HINZE.

**14. FLEXIBLE AIR DUCT**

- FLEXIBLE AIR DUCT SHALL BE 1" INSULATED CLASS 1 AND RATED FOR THE OPERATING PRESSURE OF THE SYSTEM. DUCT CONSTRUCTION MATERIAL (PLASTIC, CLOTH, ALUMINUM) MUST ADHERE TO LOCAL CODES AND LANDLORD'S REQUIREMENTS AND BE INCLUDED AS SUCH IN THE BID.
- FLEXIBLE AIR DUCT MAY ONLY BE USED IN VERTICAL APPLICATIONS WITH PRIOR APPROVAL FROM TENANT'S CONSTRUCTION MANAGER.
- FLEXIBLE DUCT SHALL NOT EXTEND OVER 5'-0" IN LENGTH AT ANY ONE LOCATION.

**15. SUPPLY AIR TAKE-OFF FITTINGS**

- PROVIDE CONICAL OR "BELL-MOUTH" TAKE-OFFS FROM MAIN DUCTWORK TO ROUND BRANCHES. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
- PROVIDE 45° RECTANGULAR TAKE-OFFS FROM MAIN DUCTWORK TO RECTANGULAR BRANCHES.

**16. DAMPERS**

- PROVIDE MANUAL LOCKING QUADRANT VOLUME CONTROL DAMPERS WITH HANDLE OPERATORS IN EACH BRANCH DUCT AND AS SHOWN ON PLANS TO FACILITATE AIR BALANCING.
- WHERE ACCESS TO BALANCING DAMPER IS RESTRICTED, YOUNG'S REGULATORS SHALL BE USED.
- ALL RECTANGULAR DAMPERS IN OUTSIDE AIR, RELIEF AIR, OR RETURN AIR DUCTS ARE TO BE OF OPPOSED BLADE TYPE. ALL OUTSIDE AIR DUCT DAMPERS MUST ALSO BE OF THE LOW LEAKAGE TYPE.
- ALL MOTORIZED DAMPERS NOT FURNISHED WITH EQUIPMENT ARE TO BE HONEYWELL DAMPERS.

**17. DIFFUSERS, GRILLES, AND REGISTERS**

- PROVIDE DIFFUSERS GRILLES AND REGISTERS AS SCHEDULED. DEVICES TO BE COMPLETE WITH DAMPERS FRAMES AND ALL ACCESSORIES. FINISH AS INDICATED.
- INSTALL ALL AIR DEVICES AS LOCATED ON THE ARCHITECTURAL REFLECTED CEILING PLAN.
- APPROVED MANUFACTURERS. THIS IS SPECIFIED, EQUALS BY MAKE/MAKE OR E.L.V. PRICE ARE ACCEPTABLE.

**18. MEDIUM PRESSURE DUCT**

- WHERE DUCTWORK IS SPECIFICALLY NOTED AS MEDIUM PRESSURE, IT SHALL BE CONSTRUCTED IN ACCORDANCE WITH SHAWMA STANDARDS FOR A PRESSURE RATING OF 3 INCHES WATER COLUMN MINIMUM OR LARGER AS REQUIRED BY ENGINEER.
- ALL GAGES AND REINFORCEMENT MUST MEET WITH THE LATEST EDITION OF SHAWMA STANDARDS FOR MEDIUM PRESSURE DUCT AND WITH THE LANDLORD'S CRITERIA.
- ALL MATERIAL FOR DIFFUSERS, GRILLES AND REGISTERS TO HAVE MATCHING MATERIAL SELECTION FOR FRAMES.
- ALL OTHER ITEMS FROM METAL DUCTWORK SPECIFICATION SECTION APPLY TO THIS SECTION.

**19. DIFFUSERS, GRILLES, AND REGISTERS**

- USE WHITE DEVICES WHEN CEILING IS WHITE, TAN AND CHARCOAL.
- USE BLACK DEVICES IN BLACK CEILING.

**20. DUCTWORK INSULATION**

- INSTALL INSULATION PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOGNIZED INDUSTRY PRACTICES. INSULATION MUST COMPLY WITH NFPA 90A. DUCT SIZES SHOWN ON DRAWINGS ARE INSIDE CLEAR DIMENSIONS.
- WARP BRIBER IS TO BE MAINTAINED THROUGHOUT DUCT SYSTEM. ALL JOINTS MUST BE TAPED SO THAT NO INSULATION FIBER IS VISIBLE. EXTEND DUCTWORK INSULATION WITHOUT INTERRUPTION THROUGH WALLS, FLOORS, AND SIMILAR PENETRATIONS.
- ALL INSULATION SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NO HIGHER THAT 50 WHEN TESTED IN ACCORDANCE WITH ASTM C 411, OR AS REQUIRED BY LOCAL CODES.
- INSULATE SUPPLY AND RETURN AIR DUCTWORK. DUCTWORK SHALL BE EXTERNALLY WRAPPED WITH 1 1/2" THICK, 1 POUND PER CUBIC FOOT DENSITY FOAM FACED FIBERGLASS INSULATION (R=4.5).
- INSULATE ALL DUCTWORK EXPOSED TO THE OUTSIDE AIR AND OUTSIDE AIR DUCTWORK WITH 2" THICK, 2 POUND PER CUBIC FOOT DENSITY (R=6.0) DUCT WRAP WITH VAPOR BARRIER.

**20. SYSTEM CLEANOUT**

- DUCTWORK AND AIR HANDLING EQUIPMENT IS TO BE CLEANED OUT BEFORE PAINTING IS STARTED BY THE GENERAL CONTRACTOR.
- FILTERS MUST BE IN UNITS AT ANY TIME FANS ARE OPERATED.
- SYSTEM TESTING, ADJUSTING, AND BALANCING
- TESTING, ADJUSTING AND BALANCING OF ALL WORK SHALL BE MADE BY AN INDEPENDENT CONTRACTOR WHO IS CURRENTLY LICENSED AS AN ASSOCIATED AIR BALANCING COUNCIL (IABCO) OR NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB) BALANCING CONTRACTOR. NO OTHER BALANCE REPORTS WILL BE REVIEWED OR ACCEPTED. ALL BALANCING WORK MUST BE COMPLETE AND DONE IN ACCORDANCE WITH THE MOST RECENT STANDARDS OF THEIR SOCIETY. PAYMENT OF ALL COSTS FOR TESTING SHALL BE MADE BY THE HVAC CONTRACTOR.
- THE HVAC CONTRACTOR SHALL INSTALL NEW FILTERS IN ALL UNITS PRIOR TO THE AIR BALANCE. THE COMPLETE AIR BALANCE SHALL TAKE PLACE WITH OUTSIDE AIR DAMPERS IN MINIMUM POSITION.
- BALANCE AIR AND WATER QUANTITIES TO WITHIN + .5% OF THAT INDICATED ON THE DRAWINGS. ANY REQUIRED CHANGES IN SHEAVES, BELTS, PULLEYS, OR THE ADDITION OF DAMPERS REQUIRED TO ACHIEVE SPECIFIED FLOW RATES SHALL BE PERFORMED BY THE HVAC CONTRACTOR WITH NO ADDITIONAL COST TO THE TENANT.

**4. THE BALANCE REPORT SHALL INCLUDE AS A MINIMUM THE FOLLOWING INFORMATION:**

- ABO OR NEBB CERTIFICATION NUMBER AND SIGNATURE OF BALANCING CONTRACTOR.
- INSTRUMENTATION LIST WITH LAST CALIBRATION DATES.
- MAKE AND MODEL NUMBERS OF ALL HVAC EQUIPMENT TESTED.
- AIR CFM AND STATIC PRESSURE READINGS (DISCHARGE AND SUCTION) AS MEASURED BY PIVOT TUBE DUCT TRAVELER AT THE UNIT.
- MOTOR NAMEPLATE DATA WITH ACTUAL FIELD VOLTAGE AND AMPERAGE READINGS FOR EACH LEG.
- MOTOR AND FAN RPMs, SHAFTS SIZES AND BELT SIZES.
- OUTSIDE, RETURN, MIXED AND SUPPLY AIR TEMPERATURES AT FULL COOLING.
- WATER BALANCE DATA INCLUDING GPM WITH INLET AND OUTLET TEMPERATURE AND PRESSURE READINGS (WHERE APPLICABLE).
- MAKE AND MODEL NUMBERS OF ALL AIR DISTRIBUTION EQUIPMENT.
- FINAL BALANCED AIR VOLUMES AT ALL OUTLETS (INCLUDING ROOMS WHERE DUCTED).
- INDEXED PLAN WITH DIFFUSER AND RETURN LOCATIONS.
- REPORT SHALL INCLUDE VAV BOX AIRFLOW SENSOR DIFFERENTIAL PRESSURE READING, MAX AND MIN. COOLING.

**5. ALL CONTROL SEQUENCES SHALL BE TESTED (INTERLOCKED EQUIPMENT, SMOKE DETECTORS, SMOKE EVACUATION, ECONOMIZER, ETC.) AND OPERATING STATUS RECORDED IN THE REPORT.**

**6. THREE COPIES OF THE BALANCE REPORT SHALL BE SUBMITTED THROUGH THE GENERAL CONTRACTOR TO THE CONSTRUCTION MANAGER FOR APPROVAL.**

**7. THE BALANCING CONTRACTOR SHALL PERFORM ALL APPLICABLE TESTING AND BALANCING FUNCTIONS REQUIRED FOR THE SYSTEM DESIGNED IN THESE DRAWINGS. THE BALANCING CONTRACTOR SHALL RECHECK ANY ITEMS THAT THE CONSTRUCTION MANAGER DEEMS NECESSARY AT NO ADDITIONAL COST TO THE OWNER.**

**8. FINAL BALANCE REPORT SHALL BE INCLUDED IN THE OPERATION & MAINTENANCE MANUALS.**

**9. A COPY OF THE FINAL AIR BALANCE REPORT MUST GO TO THE MALL'S OPERATIONS DIRECTOR.**

**D. FINAL HVAC INSPECTIONS**

**10. ASIDE FROM NORMAL INTERIM INSPECTIONS OF WORK IN PLACE, THE TENANT SHALL HAVE THE RIGHT TO 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 REQUIRED BY THE INDEPENDENT HVAC CONTRACTOR UP TO PLANS AND SPECIFICATION REQUIREMENTS AT NO COST TO OWNER.**

**ECONOMIZER OPERATING SEQUENCE NOTES**

ECONOMIZER TO BE NON-OPERATIONAL WHEN TEMPERATURE IS GREATER THAN 88°F. BETWEEN 68-65°F ECONOMIZER TO OPEN OUTSIDE AIR DAMPER GRADUALLY FROM MINIMUM POSITION TO MAXIMUM POSITION. MAXIMUM POSITION OUTSIDE AIR DAMPER TO REMAIN OPEN UNTIL OUTSIDE AIR TEMPERATURE DROPS TO 55°F. REVERSE OPEN OUTSIDE AIR DAMPER TO BE IN MINIMUM POSITION. MINIMUM POSITION SHALL ALLOW THE MINIMUM AMOUNT OF OUTSIDE AIR NEEDED PER CODE AS SCHEDULED ON MECHANICAL DRAWINGS. UPON REUSE OF OUTSIDE AIR TEMPERATURE MINIMUM OUTSIDE AIR DAMPER TO REMAIN OPEN.

**DURING OCCUPIED HOURS:**

- ECONOMIZER SHALL BE SET TO ALLOW MINIMUM REQUIRED AMOUNT OF OUTSIDE AIR BASED ON THE SCHEDULED AMOUNT IN THE MECHANICAL DRAWINGS.
- FAN SHALL BE SET TO CONTINUOUSLY RUN TO ALLOW FOR CODE REQUIRED OUTSIDE AIR AND PROVIDE MAKEUP AIR FOR MOISTEN HODD SYSTEM.
- ECONOMIZER SHALL NOT ALLOW OUTSIDE AIR DAMPER TO DROP BELOW MINIMUM SET POINT DURING OCCUPIED HOURS.

**DURING UNOCCUPIED HOURS:**

- ECONOMIZER SHALL BE ALLOWED TO MODULATE OUTSIDE AIR FROM 0-100% BASED ON OUTDOOR CONDITIONS.
- FAN SHALL BE SET TO AUTO, PROVIDING AIR AS NEEDED BASED ON SET POINTS.

**Intertech Design Services, Inc.**  
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**BUFFALO WINGS AND RINGS**  
720 BYPASS ROAD  
CAMPBELLVILLE, KY 42718



**DRAWING ISSUE**

NO	DESCRIPTION	DATE
	BID AND PERMIT	11/25/20

**STAMP**

**MECHANICAL SPECIFICATIONS**

SCALE: NO SCALE  
Drawn By: XXX Checked: EJV/SJW

**PROJECT NUMBER**  
20-001

**SHEET NUMBER**  
**M200**

ORIGINAL PRINT SIZE - 30" X 42"

12/2020

FOR BID ONLY



**HANGING ANGLE DETAILS**

**ETL HOOD LISTING DETAIL**

**GENERAL NOTES**

FOR QUESTIONS - CALL/EMAIL  
EMAIL: REG133@CAPTIVE.COM  
PHONE: 513-275-4986

**\*\*\* NOTE \*\*\***  
ALL WALLS AND STRUCTURES THAT COME WITHIN 18" OF HOOD MUST BE METAL STUDS AND SHEETROCK. WOOD STUDS OR ANY OTHER COMBUSTIBLE MATERIAL WITHIN 18" OF HOOD NOT ALLOWED.

**\*\*\* NOTE \*\*\***  
HOOD MANUFACTURER RECOMMENDS NO RETURNS OR 4-WAY DIFFUSERS WITHIN 10 FEET OF HOOD IN ALL DIRECTIONS.

**\*\*\* NOTE \*\*\***  
MAKE-UP AIR SHALL BE DELIVERED INTO SPACE IN MANNER THAT WILL NOT DISRUPT HOOD'S ABILITY TO CAPTURE AND CONTAIN.

**HOOD INFORMATION - JOB#4520808**

HOOD TAG	MODEL	MANUFACTURER	LENGTH	MAX. COOKING TEMP.	TYPE	APPLIANCE	DESIGN	TOTAL CFM/FT	HOOD CONSTRUCTION	END TO END
1	5430	CAPTIVE	5' 0"	500 DEG	1	HEAVY	175	878	430 SS WHERE EXPOSED	LEFT ALONE
2	5430	CAPTIVE	10' 0"	500 DEG	1	HEAVY	250	2500	430 SS WHERE EXPOSED	RIGHT ALONE

**HOOD DIMENSIONS**

HOOD TAG	TYPE	WIDTH	DEPTH	HEIGHT	TYPE	MARK	LOCATION	SIZE	TYPE	SIZE	QUANTITY	FIRE HOOD WEIGHT	
1	CAPTIVE SOLO FILTER	3	20"	18"	BSX SEE FILTER SPEC	3	RECESSED	NO	LEFT	12"5/8"x30"	GAS ELECTRIC	YES	701 LBS
2	CAPTIVE SOLO FILTER	7	20"	18"	BSX SEE FILTER SPEC	6	RECESSED	NO	RIGHT	12"5/8"x30"	GAS ELECTRIC	YES	883 LBS

**ASSEMBLY INSTRUCTIONS**

**System Design Verification (SDV)**

If ordered, CAS Service will perform a System Design Verification (SDV) once all equipment has had a complete start up per the Operation and Installation Manual. Typically, the SDV will be performed after all inspections are complete.

Any field related discrepancies that are discovered during the SDV will be brought to the attention of the general contractor and corresponding trades on site. These issues will be documented and forwarded to the appropriate sales office. If CAS Service has to resolve a discrepancy that is a field issue, the general contractor will be notified and billed for the work. Should a return trip be required due to any field related discrepancy that cannot be resolved during the SDV, there will be additional trip charges.

During the SDV, CAS Service will address any discrepancy that is the fault of the manufacturer. Should a return trip be required, the general contractor and appropriate sales office will be notified. There will be no additional charges for manufacturer discrepancies.

**REVISIONS**

NO.	DATE	DESCRIPTION
1	10/21/2020	ISSUED FOR PERMIT

**CAPTIVE**  
Buffalo Wings and Rings - Campbellsville, KY, 42718

DATE: 10/21/2020  
DWG.#: 4520808  
DRAWN BY: BDP  
SCALE: 3/4" = 1'-0"  
MASTER DRAWING

SHEET NO. 1

**FIRE SYSTEM INFORMATION - JOB#4520808**

FIRE SYSTEM TAG	TYPE	SIZE	FLOW RATE	INSTALLATION	LOCATION ON HOOD
1	CAS ELECTRIC MET. CHEMICAL	4.0/4.0/4.0	18	FIRE CABINET LEFT	LEFT HOOD 1

**CAS VALVES**

SYSTEM TAG	TYPE	SIZE	SUPPLIED BY
1	SC ELECTRICAL	2.000	CAPTIVE SYSTEMS

**NOTES**

- FIELD PIPE DROPS AS SHOWN
- SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- IF APPLICABLE, PRE-PIPED CHARBROILER DROPS ARE SHIPPED LOOSE
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.
- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.
- THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.
- MINIMUM 24" CLEARANCE ABOVE HOOD, REQUIRED FOR MAINTENANCE.
- FOR THE FIRST SET OF NOZZLES NEAREST THE TANK, PIPE TO THE END OF THE NOZZLE RUN THEN RETURN THE PIPE TO THE NEAREST NOZZLES TO TANK.

**JOB # 4520808**  
JOB NAME: BUFFALO WINGS AND RINGS - CAMPBELLVILLE, KY.

**SYSTEM SIZE: TANK-SP-3 TOTAL FP REQUIRED: 18.**  
HOOD # 1 5' 0.00" LONG x 54" WIDE x 30" HIGH  
RISER # 1 SIZE: 10" DIA.  
HOOD # 2 10' 0.00" LONG x 54" WIDE x 30" HIGH  
RISER # 2 SIZE: 18" DIA.

**HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTOP IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.**  
MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

**LEGEND - FIRE CABINET GAS-RWC SYSTEM**

- 4 GALLON TANK
- PRIMARY ACTUATOR RELEASE
- SECONDARY ACTUATOR RELEASE
- PRESSURE SUPERVISION SWITCH
- PRIMARY HOSE ASSEMBLY
- SECONDARY HOSE ASSEMBLY
- REMOTE MANUAL ACTUATION DEVICE
- NOZZLE ASSEMBLY (NT)
- NOZZLE ASSEMBLY (ADP)
- NOZZLE ASSEMBLY (R)
- SWIVEL ADAPTER

**REVISIONS**

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Buffalo Wings and Rings - Campbellsville, KY, 42718

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

SHEET NO. 3

**EXHAUST FAN INFORMATION - JOB#4520808**

FAN UNIT TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	HP	BHP	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	
1	1	EF-1	DUSHPFA	875	0.750	1330	TEAO-LCM	0.500	0.2340	1.115	6.3	333
2	1	EF-2	DUI80HFA	2500	1.350	1233	DDP-PREMIUM	1.500	0.8710	3.208	4.4	577
3	1	EF-3	DESHFA	500	0.500	1232	TRAO-TCM	0.333	0.1210	1.115	4.5	57
4	1	EF-4	CF4-0200-CA	130	0.375	802	GENERAL PURPOSE	0.044	0.2040	1.115	0.4	14

**DOAS/RTU FAN SCHEDULE - JOB#4520808**

FAN UNIT TAG	QTY	DOAS/RTU MODEL #	MANUFACTURER	BLOWER	RETURN AIR CFM	MAX. STATIC PRESS. (INCHES)	TOTAL CFM	ESP	HP	BHP	VOLT	MCA	MOP	WEIGHT (LBS)
5	DOAS-1	1	CASRTU-1300-18-10T-05A5	CAPTIVE	15P-3	0	2500	0.500	2.000	1.250	3	208	59.2A	40A
6	DOAS-2	1	CASRTU-1200-18-10T-05A5	CAPTIVE	RMF-2-RTU	2100	1100	0.500	3.000	2.2820	3	208	60.3A	70A
7	DOAS-3	1	CASRTU-1200-18-10T-05A5	CAPTIVE	RMF-2-RTU	2100	1100	0.500	3.000	2.2820	3	208	60.3A	70A

**DOAS/RTU COOLING SCHEDULE**

FAN UNIT TAG	TONNAGE	VOLTAGE	#	MOTOR VOLTAGE	MOTOR #	FAN FREQUENCY	MOTOR QTY	ROWS	FACE AREA	OUTSIDE AIR TEMP	OUTSIDE AIR DB TEMP	WETBULB AIR DB TEMP	WETBULB AIR WB TEMP	LEAVING DB TEMP	LEAVING WB TEMP	TOTAL CAPACITY	DESIRABLE CAPACITY	LATENT CAPACITY	REHEAT LEAVING DB TEMP	REHEAT LEAVING WB TEMP	DESIRABLE REHEAT CAPACITY	MAX. REHEAT CAPACITY	REHEAT CAPACITY RELATIVE HUMIDITY	MOISTURE REMOVAL RATE	SEER	
5	DOAS-1	15	190-240	3	200-240	3	60	2	6	11.8	50.0°F	83.0°F	77.0°F	83.0°F	77.0°F	57.1°F	55.7°F	54.0°F	60.0°F	60.0°F	34.8	128.6	128.6	58	104.8	18.6
6	DOAS-2	10	190-240	3	200-240	3	60	2	5	7.3	50.0°F	83.0°F	77.0°F	83.0°F	77.0°F	53.9°F	53.9°F	54.0°F	60.0°F	60.0°F	56	96	96	57	49.7	16.6
7	DOAS-3	10	190-240	3	200-240	3	60	2	5	7.3	50.0°F	83.0°F	77.0°F	83.0°F	77.0°F	53.9°F	53.9°F	54.0°F	60.0°F	60.0°F	56	96	96	57	49.7	16.6

**DOAS/RTU HEATING SCHEDULE**

UNIT TAG	DOAS	HEAT INPUT BTU/H	HEAT RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)	
5	DOAS-1	254632	203704	70"	7 N. W.C. - 14 N. W.C.	NATURAL	80
6	DOAS-2	180240	148997	40"	7 N. W.C. - 14 N. W.C.	NATURAL	80
7	DOAS-3	180240	148997	40"	7 N. W.C. - 14 N. W.C.	NATURAL	80

**PLAN VIEW - HOOD #1**  
5' 0.00" LONG 5430ND-2

**PLAN VIEW - HOOD #2**  
10' 0.00" LONG 5430ND-2

**SECTION VIEW - MODEL 5430ND-2 HOOD - #1**

**SECTION VIEW - MODEL 5430ND-2 HOOD - #2**

**REVISIONS**

NO.	DATE	DESCRIPTION
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Buffalo Wings and Rings - Campbellsville, KY, 42718

DATE: 10/21/2020  
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SCALE: 3/4" = 1'-0"  
MASTER DRAWING

SHEET NO. 4

THIS DRAWING IS FROM AN OUTSIDE SOURCE AND IS FOR REFERENCE ONLY. DRAWING IS NOT SCALED, DO NOT SCALE THIS DRAWING. CONTRACTOR SHALL FOLLOW MANUFACTURERS INSTALLATION INSTRUCTIONS.



**DRAWING ISSUE**

NO.	DESCRIPTION	DATE
1	BID AND PERMIT	11/25/20

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**FOR REFERENCE ONLY**

12/1/2020

Drawn By: MEP Checked: JLD/SW

**BUFFALO WINGS AND RINGS**  
 720 BYPASS ROAD  
 CAMPBELLSVILLE, KY 42718



WINGS & RINGS

NO.	DESCRIPTION	DATE
	BID AND PERMIT	11/25/20
DRAWING ISSUE		

STAMP

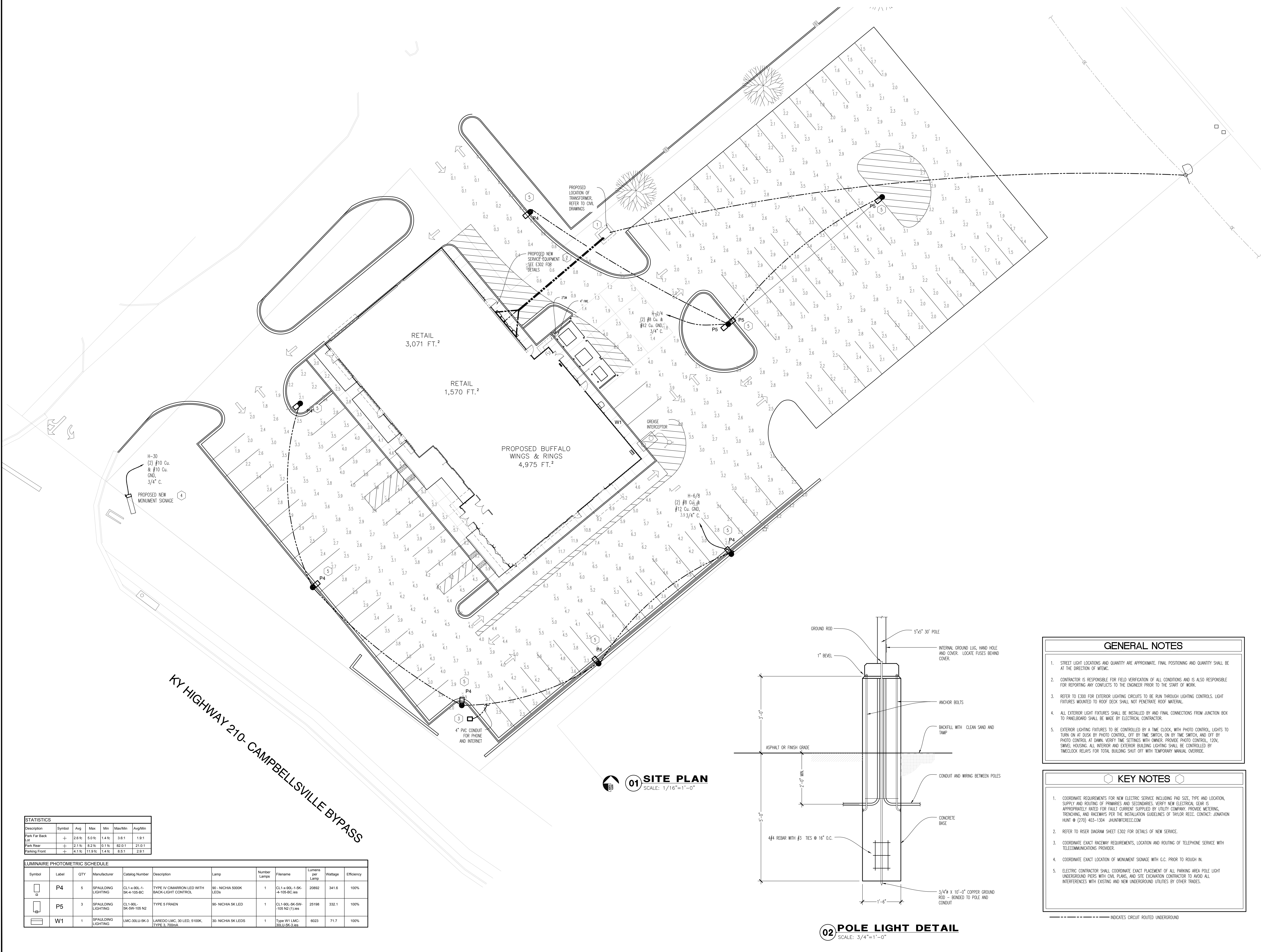
12/12/20

SITE PLAN  
 ELECTRICAL  
 SCALE: AS NOTED  
 Drawn By: JCC  
 Checked: LUD/SW

PROJECT NUMBER  
 20-0501

SHEET NUMBER

E001

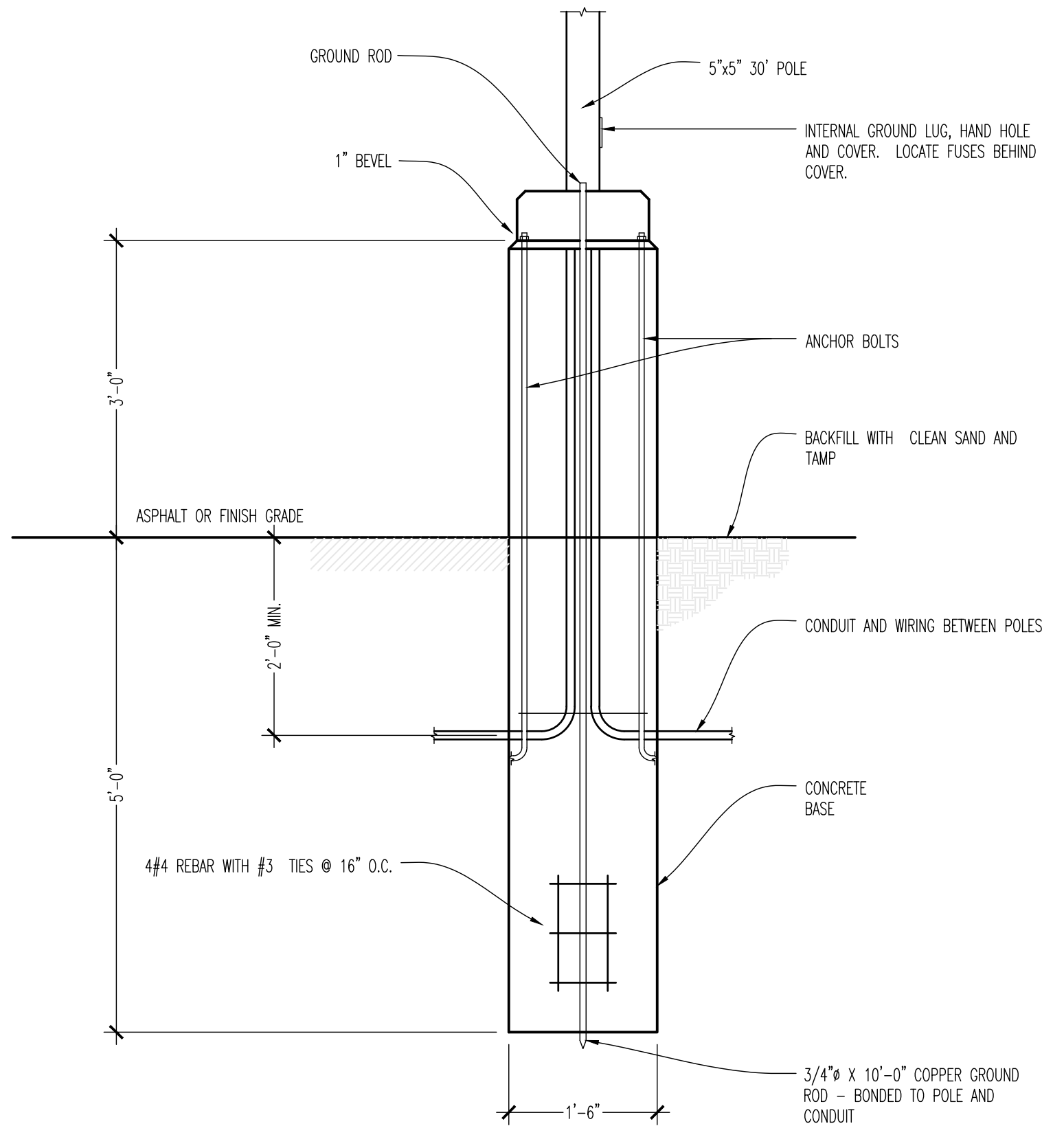


**STATISTICS**

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Park Far Back	+	2.6 f.c.	5.0 f.c.	1.4 f.c.	3.6:1	1.9:1
Park Rear	+	2.1 f.c.	8.2 f.c.	0.1 f.c.	82:0:1	21:0:1
Parking Front	+	4.1 f.c.	11.9 f.c.	1.4 f.c.	8.5:1	2.9:1

**LUMINAIRE PHOTOMETRIC SCHEDULE**

Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	File Name	Lumens per Lamp	Wattage	Efficiency
P4	P4	5	SPALLADING LIGHTING	CL1-4-08L-1-9K-4-105-BC	TYPE IV DIMMABLE LED WITH BACK-LIGHT CONTROL	90° NICHIA 5000K LED	1	CL1-4-08L-1-9K-4-105-BC led	20892	341.6	100%
P5	P5	3	SPALLADING LIGHTING	CL1-900-9K-9W-105-N2	TYPE 5 FRAEN	90° NICHIA 9K LED	1	CL1-900-9K-9W-105-N2 (1) led	25198	332.1	100%
W1	W1	1	SPALLADING LIGHTING	LMC-30LU-9K-3	LAREDO LMC, 30 LED, 5100K, TYPE 3, 7000A	30° NICHIA 9K LED	1	Type W1 LMC-30LU-9K-3 led	6023	71.7	100%



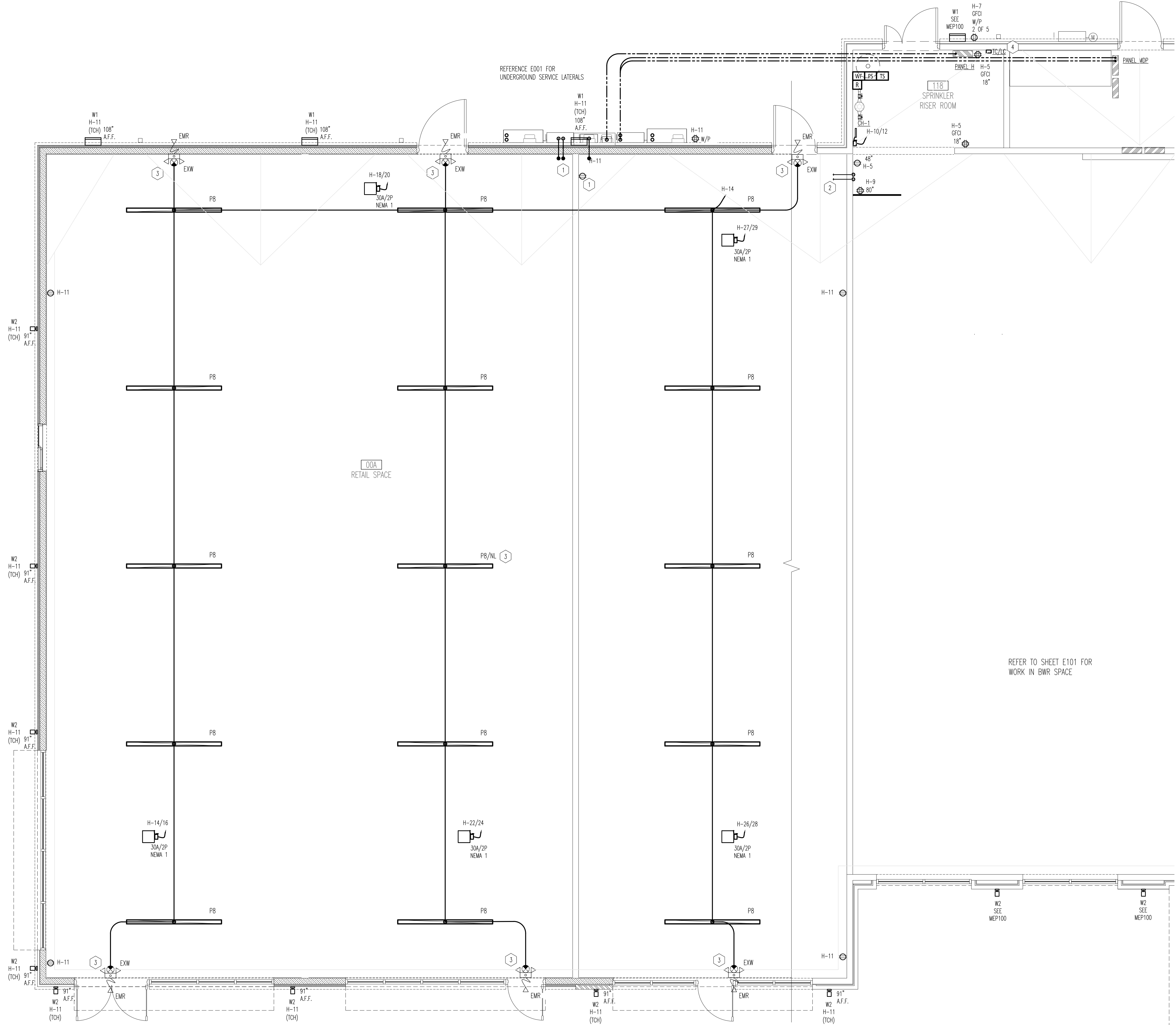
**02 POLE LIGHT DETAIL**  
 SCALE: 3/4"=1'-0"

- GENERAL NOTES**
- STREET LIGHT LOCATIONS AND QUANTITY ARE APPROXIMATE. FINAL POSITIONING AND QUANTITY SHALL BE AT THE DISCRETION OF THE ENGINEER.
  - CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL CONDITIONS AND IS ALSO RESPONSIBLE FOR REPORTING ANY CONFLICTS TO THE ENGINEER PRIOR TO THE START OF WORK.
  - REFER TO EX300 FOR EXTERIOR LIGHTING CIRCUITS TO BE RUN THROUGH LIGHTING CONTROLS. LIGHT FIXTURES MOUNTED TO ROOF DECK SHALL NOT PENETRATE ROOF MATERIAL.
  - ALL EXTERIOR LIGHT FIXTURES SHALL BE INSTALLED BY AND FINAL CONNECTIONS FROM JUNCTION BOX TO PANELBOARD SHALL BE MADE BY ELECTRICAL CONTRACTOR.
  - EXTERIOR LIGHTING FIXTURES TO BE CONTROLLED BY A TIME CLOCK, WITH PHOTO CONTROL, LIGHTS TO TURN ON AT DUSK BY PHOTO CONTROL, OFF BY TIME SWITCH, ON BY TIME SWITCH, AND OFF BY PHOTO CONTROL AT DAWN. VERIFY TIME SETTINGS WITH OWNER. PROVIDE PHOTO CONTROL, 120V, SWIVEL HOUSING. ALL INTERIOR AND EXTERIOR BUILDING LIGHTING SHALL BE CONTROLLED BY TIMELOCK RELAYS FOR TOTAL BUILDING SHUT OFF WITH TEMPORARY MANUAL OVERRIDE.

- KEY NOTES**
- COORDINATE REQUIREMENTS FOR NEW ELECTRIC SERVICE INCLUDING PAD SIZE, TYPE AND LOCATION, SUPPLY AND ROUTING OF PRIMARIES AND SECONDARIES. VERIFY NEW ELECTRICAL GEAR IS APPROPRIATELY RATED FOR FAULT CURRENT SUPPLIED BY UTILITY COMPANY. PROVIDE METERING, TRENCHING, AND RACEWAYS PER THE INSTALLATION GUIDELINES OF TAYLOR RECC. CONTACT: JONATHAN HUNT @ (270) 403-1304 jhunt@torecc.com
  - REFER TO RISER DIAGRAM SHEET EX302 FOR DETAILS OF NEW SERVICE.
  - COORDINATE EXACT RACEWAY REQUIREMENTS, LOCATION AND ROUTING OF TELEPHONE SERVICE WITH TELECOMMUNICATIONS PROVIDER.
  - COORDINATE EXACT LOCATION OF MONUMENT SIGNAGE WITH G.C. PRIOR TO ROUGH IN.
  - ELECTRIC CONTRACTOR SHALL COORDINATE EXACT PLACEMENT OF ALL PARKING AREA POLE LIGHT UNDERGROUND PERS WITH CIVIL PLANS, AND SITE EXCAVATION CONTRACTOR TO AVOID ALL INTERFERENCES WITH EXISTING AND NEW UNDERGROUND UTILITIES BY OTHER TRADES.

--- INDICATES CIRCUIT ROUTED UNDERGROUND

ORIGINAL PRINT SIZE - 30 X 42



- GENERAL NOTES**
- DUPLEX RECEPTACLES SHALL BE MOUNTED AT 18" AFF UNLESS NOTED OTHERWISE ON DRAWINGS OR SCHEDULES.
  - ALL 120V, 20 AMP BRANCH CIRCUITING SHALL BE 3/4" CONDUIT, 2#12 AND 1#12 GROUND UNLESS NOTED OTHERWISE. USE #10 WIRE FOR BRANCH CIRCUIT RUNS LONGER THAN 100 FT.
  - CONTRACTOR SHALL INSTALL PANELS IN LOCATIONS SHOWN. ANY SIGNIFICANT DEVIATION FROM THE PLAN WILL IMPACT FEEDER VOLTAGE DROP AND FAULT CURRENTS.
  - SPRINKLER MONITORING SYSTEM DESIGN TO BE PROVIDED BY SPRINKLER CONTRACTOR. DEVICES SHOWN REFLECT A PERFORMANCE DESIGN ONLY.

- KEY NOTES**
- PROVIDE (2) 3" CONDUITS WITH PULLSTRINGS INTO RETAIL SPACE, SEAL AND LABEL FOR FUTURE TENANT.
  - ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH IN FOR (2) 2" CONDUITS WITH PULL STRINGS FOR FUTURE TELEPHONE SERVICE.
  - CONNECT THIS FIXTURE AHEAD OF ALL LIGHTING CONTROLS.
  - PROVIDE TIMECLOCK EQUAL TO INTERNATIC ET910C, ROUTE LIGHTING CIRCUIT THRU N.O. CONTACT AND SET ON/OFF SCHEDULE PER OWNERS INSTRUCTIONS.

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**BUFFALO WINGS AND RINGS**  
 720 BYPASS ROAD  
 CAMPBELLVILLE, KY 42718



**DRAWING ISSUE**

NO	DESCRIPTION	DATE
1	BID AND PERMIT	11/25/20

**STAMP**

12/1/2020

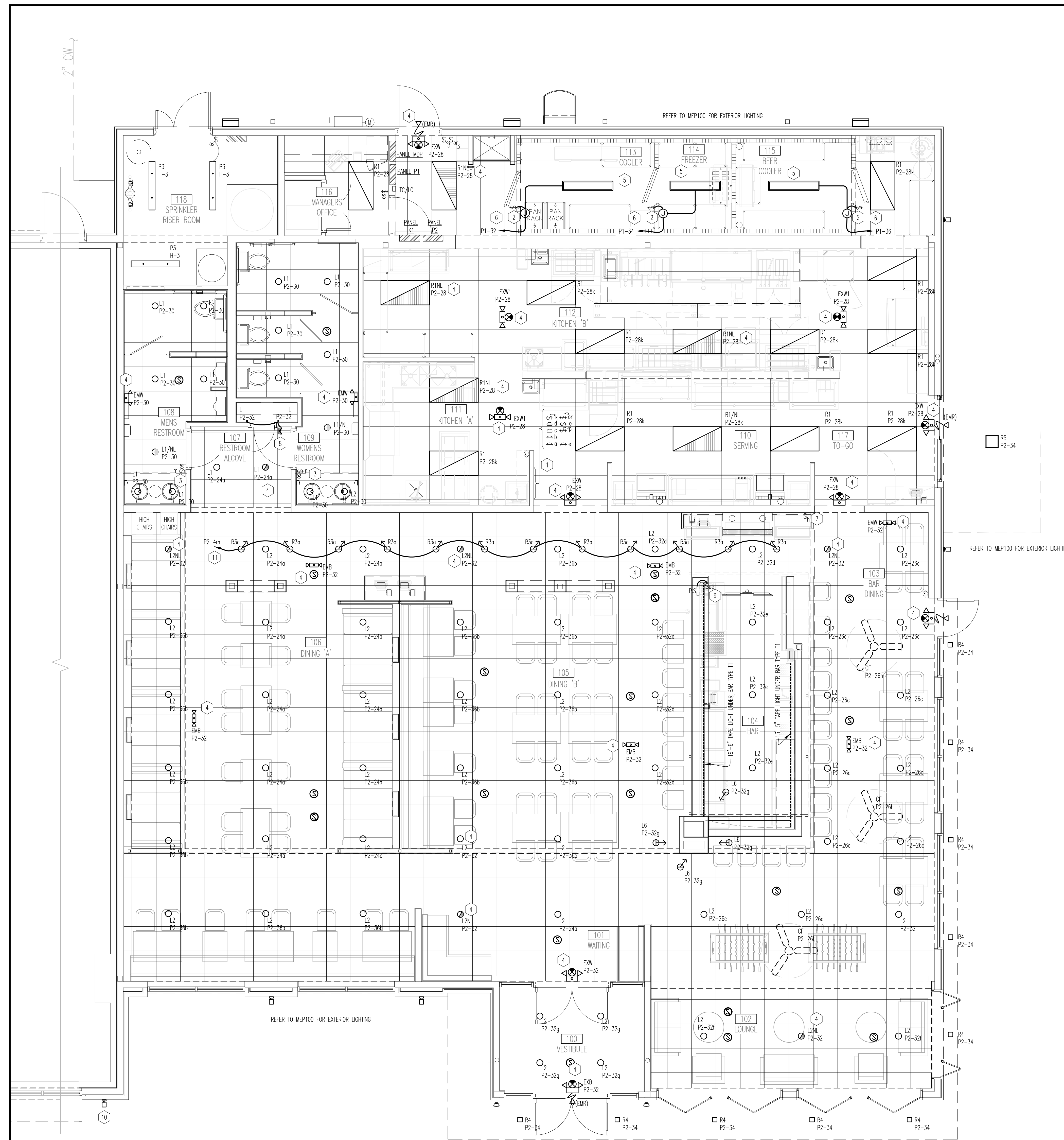
**RETAIL SHELL ELECTRICAL PLAN**  
 SCALE: 1/4" = 1'-0"  
 Drawn By: XXX Checked: LJD/SW

**PROJECT NUMBER**  
20-0501

**SHEET NUMBER**  
E002

FOR BID ONLY

ORIGINAL PRINT SIZE - 30" X 42"



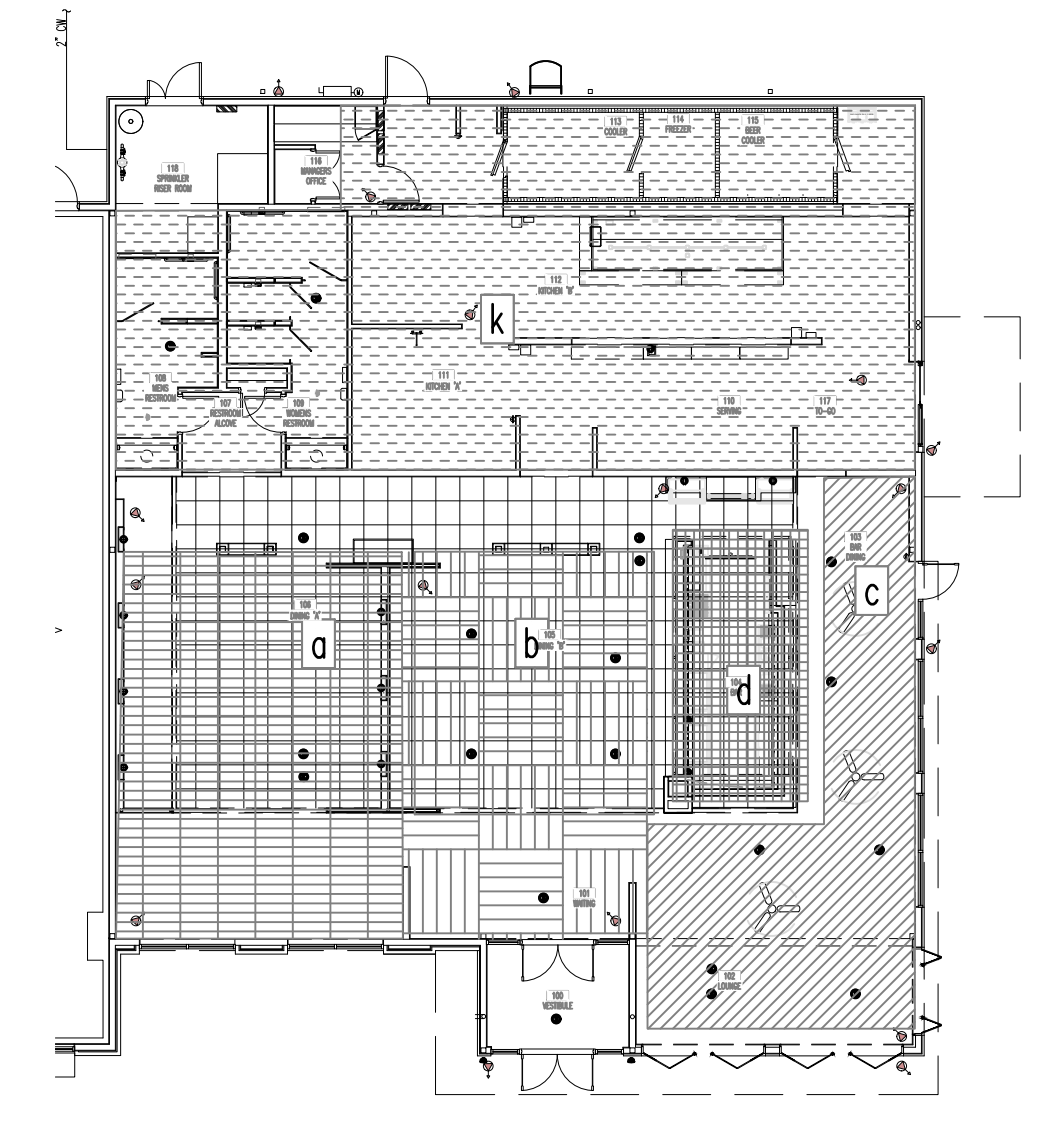
**01 LIGHTING PLAN**  
SCALE: 1/4"=1'-0"

**GENERAL NOTES**

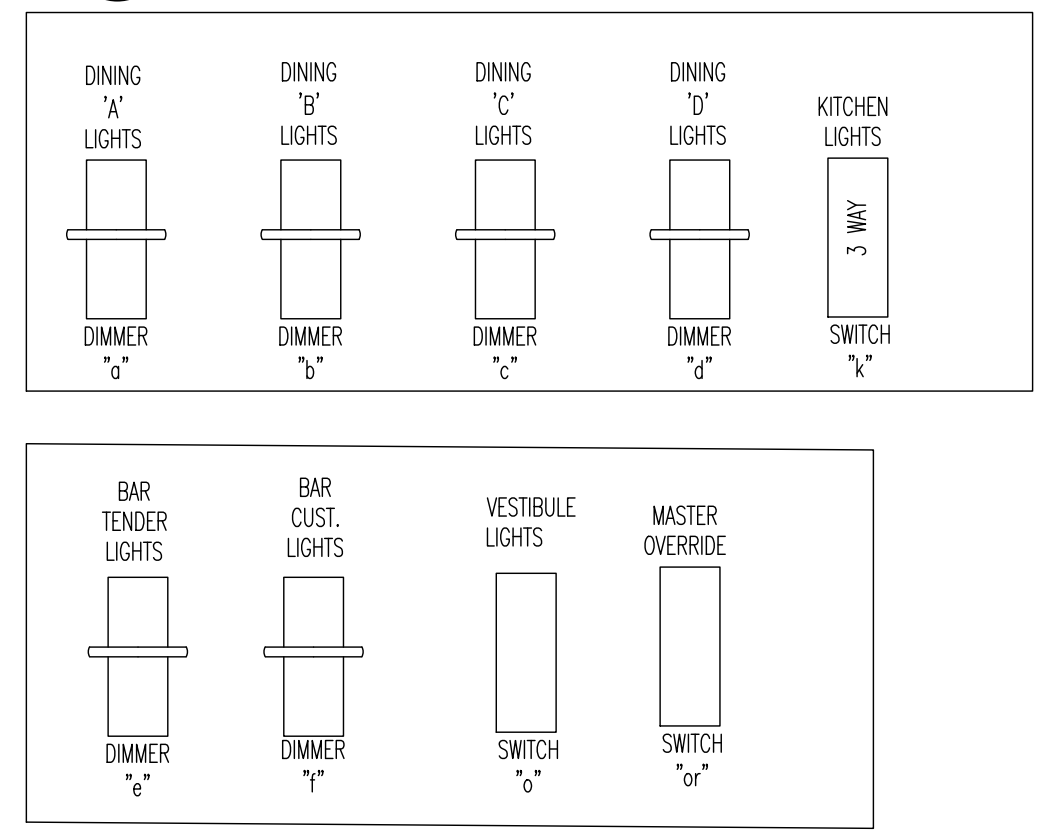
- CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL CONDITIONS AND IS ALSO RESPONSIBLE FOR REPORTING ANY CONFLICTS TO THE ENGINEER PRIOR TO THE START OF WORK.
- WIRE TIME CLOCK AND PHOTO CONTROL TO CONTROL LIGHTING CONTRACTOR/RELAY PANEL LIGHTS TO TURN ON AT DAWN AND PHOTO CONTROL OFF BY TIME SWITCH, ON BY TIME SWITCH, AND OFF BY PHOTO CONTROL AT DAWN VERIFY TIME SETTINGS WITH OWNER. PROVIDE PHOTO CONTROL, 120V, SWIVEL HOUSING. ALL INTERIOR AND EXTERIOR BUILDING LIGHTING SHALL BE CONTROLLED BY TIMECLOCK RELAYS FOR TOTAL BUILDING SHUT OFF WITH TEMPORARY MANUAL OVERRIDE.
- ALL LIGHTING BRANCH CIRCUITS SHALL BE AS SCHEDULED.
- SEAL ALL CONDUITS ENTERING COOLERS AND FREEZERS AS PER N.E.C. ART.300-7. CONDUIT USED IN COOLERS SHALL BE SEAL TIGHT.
- ABOVE SLAB ALL CONDUIT SHALL BE "EMT" OR "MC" CABLE ONLY. RUN PARALLEL AND PERPENDICULAR WITH STRUCTURE.
- PROVIDE SHATTER RESISTANT LENSES ON ALL LIGHT FIXTURES LOCATED OVER FOOD PREP AREAS. PROVIDE SHATTERPROOF BULBS FOR OVER BAR TOP AND IN BAR AREA.
- ALL EXTERIOR LIGHT FIXTURES SHALL BE INSTALLED BY AND FINAL CONNECTIONS FROM JUNCTION BOX TO PANELBOARD SHALL BE MADE BY ELECTRICAL CONTRACTOR.
- CONTRACTOR SHALL CHECK ALL LIGHTING FIXTURES FOR EXACT MOUNTING TYPE AND SPACE REQUIRED BEFORE ROUGHING-IN.
- TYPICAL MOUNTING HEIGHT OF ALL SWITCHES IS TO BE 48" AFF TO TOP OF SWITCH.
- ALL 120V, 20 AMP BRANCH CIRCUITING SHALL BE 3/4" CONDUIT, #12 AND #10 GROUND UNLESS NOTED OTHERWISE. USE #10 WIRE FOR BRANCH CIRCUIT RUNS LONGER THAN 100 FT.
- EXITS AND EXIT DISCHARGE LIGHTING SHALL BE CONNECTED TO LOCAL LIGHTING CIRCUIT, AHEAD OF ANY SWITCHING.
- LUMINAIRES DENOTED WITH AN "EM" SHALL BE PROVIDED WITH EM BALLAST AND 90 MINUTE BATTERY. UPON LOSS OF POWER, THESE LUMINAIRES SHALL ENERGIZE WITH FULL LIGHT OUTPUT OF EM BALLAST/BATTERY.

**KEY NOTES**

- LOCATION OF CONTROL SWITCHES, COORDINATE EXACT LOCATION IN FIELD.
- CONTRACTOR TO VERIFY WALK-IN COOLER/FREEZER LIGHTING REQUIREMENTS WITH COOLER/FREEZER APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN. PROVIDE ALL CONNECTIONS NECESSARY FOR PROPER OPERATION OF ALL SYSTEMS ASSOCIATED WITH WALK-IN REFRIGERATORS. SEAL ALL CONDUITS ENTERING COOLERS AND FREEZERS PER NEC ART.300-7. REFER TO SHEET E202 FOR COOLER/FREEZER DETAIL.
- SWITCH FOR RESTROOM LIGHTING SHALL BE OCCUPANCY SENSOR SWITCH. ELECTRICAL CONTRACTOR TO PROVIDE WAIT STOPPER OCCUPANCY SENSOR, MOUNT AT 4'-0" AFF, CONTACT VENDOR FOR EXACT REQUIREMENTS.
- FIXTURE TO BE SERVED BY UNWITCHED LEG OF LOCAL CIRCUIT AND TO PROVIDE CONTINUOUS ILLUMINATION PER NEC 700-12(A) AND NFPA 101, LIFE SAFETY CODE. 4. COORDINATE MOUNTING HEIGHT OF EM FIXTURES WITH A/V EQUIPMENT VENDOR AND LOCAL ELECTRICAL INSPECTOR PRIOR TO ROUGH IN.
- SURFACE MOUNTED FLUORESCENT LUMINAIRE FURNISHED BY COOLER MFG. INSTALLED BY CONTRACTOR. COORDINATE LOCATION WITH COOLER VENDOR/SHOP DRAWINGS AND OWNER. CONNECT LIGHTING TO CIRCUIT INDICATED.
- PROVIDE HINGE SWITCH TO TURN ON LIGHT WHEN DOOR OPENS.
- WALL MOUNTED VARIABLE SPEED CONTROLLER FOR CEILING FANS. COORDINATE EXACT LOCATION OF CONTROLLER WITH G.C.
- CONNECT CLOSET LIGHTS THRU DOOR SWITCH EQUAL TO TAB #DM15.
- COORDINATE EXACT LOCATIONS OF BAR TAPE LIGHT WITH G.C. PRIOR TO ROUGH-IN. CONCEAL POWER SUPPLY, ROUTE VIA DIMMER "a".
- REFER TO DRAWINGS MEP100 AND EXTERIOR ELEVATIONS A100, A101 FOR BUILDING EXTERIOR LIGHTING LOCATIONS AND CIRCUITING. REFER TO E001 FOR SITE LIGHTING. REFER TO E002 FOR SHELL WORK.



**02 LIGHTING ZONE LEGEND**  
SCALE: NTS



**03 SWITCH BANK**  
SCALE: NTS

NOTE: ATTACH LAMICOID NAMEPLATE WITH AREA CONTROLLED ABOVE EACH SWITCH. NAMEPLATE TO BE WHITE WITH INNER BLACK LAYER TO SHOW BLACK LETTERS WHEN ENGRAVED. SWITCH AND RECEPTACE SHALL BE BLACK.

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**BUFFALO WINGS AND RINGS**  
720 BYPASS ROAD  
CAMPBELLVILLE, KY 42718



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**LIGHTING PLAN**

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

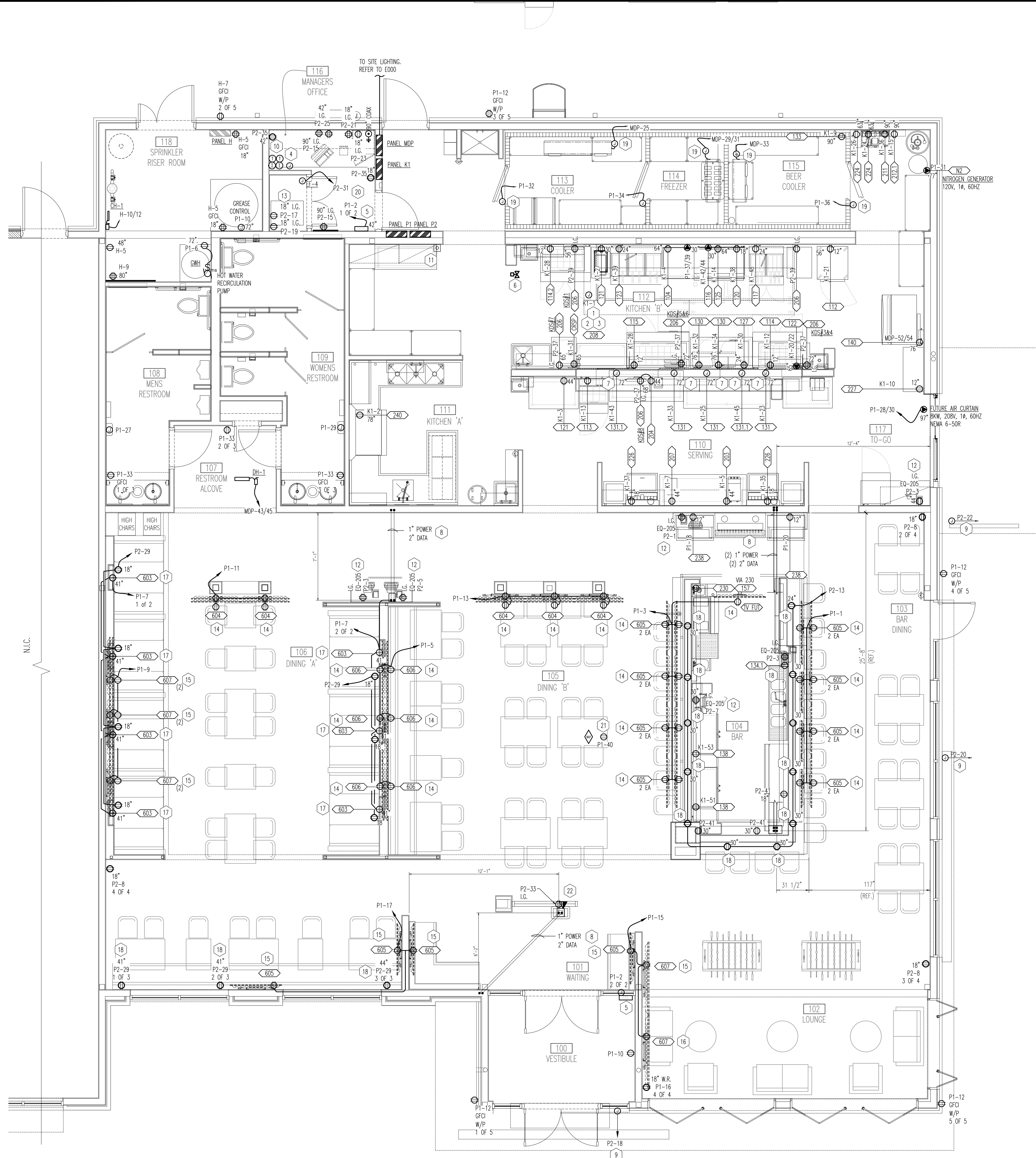
Drawn By SAC

Checked SVI

**PROJECT NUMBER**  
20-0501

**SHEET NUMBER**  
**E100**





**01 POWER PLAN**  
SCALE: 1/4" = 1'-0"

**GENERAL NOTES**

- VERIFY LOCATION OF ALL EQUIPMENT WITH ARCHITECTURAL DRAWINGS AND OTHER TRADES.
- ELECTRICAL CONTRACTOR SHALL VERIFY CONNECTION TYPE (RECEPTACLE, HARDWIRED, ETC) FOR ALL KITCHEN EQUIPMENT PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL CONDITIONS AND IS ALSO RESPONSIBLE FOR REPORTING ANY CONFLICTS TO THE ENGINEER PRIOR TO THE START OF WORK.
- SEAL ALL CONDUITS ENTERING COOLERS AND FREEZERS AS PER N.E.C. ART. 300-7.
- ROUTE ALL CONDUITS ON THE OUTSIDE OF WALK-IN COOLERS AND FREEZERS. USE ALL LIQUID TIGHT FITTINGS.
- DUPLEX RECEPTACLES SHALL BE MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED ON DRAWINGS OR SCHEDULES.
- ALL 120V, 20 AMP BRANCH CIRCUITING SHALL BE 3/4" CONDUIT, #212 AND #121 GROUND UNLESS NOTED OTHERWISE. USE #10 WIRE FOR BRANCH CIRCUIT RUNS LONGER THAN 100 FT.
- GC SHALL LABEL EACH RECEPTACLE WITH THE EQUIPMENT THAT IT SHALL SERVE.
- CONTRACTOR SHALL INSTALL PANELS IN LOCATIONS SHOWN. ANY SIGNIFICANT DEVIATION FROM THE PLAN WILL IMPACT FEEDER VOLTAGE DROP AND FAULT CURRENTS.
- PDS SYSTEM SHALL BE AN ISOLATED GROUND SYSTEM PER NEC 250.96B. ALL BRANCH CIRCUITS FED TO PDS EQUIPMENT SHALL HAVE SEPARATE NEUTRAL AND GROUNDING CONDUCTORS.
- ELECTRICAL CONTRACTOR SHALL REFER TO MANUFACTURER'S HOOD SHIP DRAWINGS FOR ALL WIRING ASSOCIATED WITH HOOD.
- EACH BRANCH CIRCUITS SERVING ISOLATED GROUND (IG) RECEPTACLES SHALL HAVE A SEPARATE NEUTRAL CONDUCTOR, THE USE OF A COMMON NEUTRAL FOR MORE THAN (1) CIRCUIT IS NOT ACCEPTABLE.
- ALL 20A 120V RECEPTACLES IN THE KITCHEN, SERVING, STOCK, DISHWASHING AND BAR AREAS SHALL HAVE GFCI PROTECTION AT CIRCUIT BREAKER.
- ELECTRICAL CONTRACTOR SHALL PROVIDE DISCONNECTING MEANS FOR ALL HARDWIRED EQUIPMENT. DISCONNECTING MEANS SHALL BE RATED FOR VOLTAGE AND LOAD BEING SERVED. COORDINATE MOUNTING LOCATION OF DISCONNECTING DEVICE WITH GENERAL CONTRACTOR.
- PROVIDE AND INSTALL AN ENGRAVED LAMINATED PLASTIC NAMEPLATE ON EACH DISCONNECT SWITCH TO INDICATE THE DESIGNATION OF THE EQUIPMENT SERVED AND THE BRANCH CIRCUIT SERVING THE EQUIPMENT.
- INTERLOCK SHUNT TRIP CIRCUIT BREAKERS ON ALL EQUIPMENT UNDER THE EXHAUST HOODS AND INTERLOCK THE GAS SOLENOID VALVE WITH THE KITCHEN HOOD SUPPRESSION SYSTEM TO CUT POWER TO THE EQUIPMENT AND CLOSE THE GAS SOLENOID VALVE WHEN THE SUPPRESSION SYSTEM IS ACTIVATED. COORDINATE THE GAS SOLENOID VALVE WITH THE PLUMBING CONTRACTOR.
- ALL ISOLATED GROUND RECEPTACLES SHALL BE ORANGE IN COLOR.
- ELECTRICAL CONTRACTOR SHALL REFER TO MANUFACTURER'S HOOD SHIP DRAWINGS FOR ALL WIRING ASSOCIATED WITH HOOD.
- ELECTRICAL CONTRACTOR SHALL REFER TO ARCHITECTURAL INTERIOR ELEVATIONS ON SHEET 600.601, 600.602 ALONG WITH THE ENLARGED PLANS AND MILLWORK SHEETS.
- ALL GENERAL RECEPTACLES SHALL BE MOUNTED 18" AFF UNLESS OTHERWISE NOTED.

**KEY NOTES**

- KITCHEN EXHAUST HOOD EQUIPMENTS ARE SITE SPECIFIC. COORDINATE ALL ELECTRICS INCLUDING LIGHTING, EXHAUSTOR, CONDENSER POWER, AND CONTROL DEVICES WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
- ROUTE CIRCUITS FOR ALL EQUIPMENT UNDER HOOD THROUGH SHUNT TRIP PER DETAIL 2, DWG. E301 PROVIDE INTERCONNECTS BETWEEN EXHAUST FAN, SUPPLY FAN, KITCHEN HOOD, ELECTRICAL APPLIANCES AND GAS SOLENOID VALVE UNDER THE HOOD AS REQUIRED BY NFPA-96. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- KITCHEN HOOD CIRCUITS:**  
HOOD CONTROLS TO SHUTDOWN:  
HOOD LIGHTS, MUA-1 & RTU-1, AND ALL EQUIPMENT UNDER THE HOOD PROVIDED WITH SHUNT TRIP DEVICES IN PANEL SCHEDULE K1, E302.  
3. PROVIDE A PROMISSIVE INTERLOCK FOR RTU-1 BLOWER TO RUN WHEN HOOD EXHAUST FANS EF-1 & EF-2 ARE ON, AND A PROHIBITIVE INTERLOCK FROM HOOD CONTROL FIRE RELAY #1 TO SHUTDOWN RTU-1 ON A FIRE SIGNAL. REFER TO DRAWING M100 FOR MECHANICAL EQUIPMENT INFORMATION, AND HOOD HOOD SCHEMATIC PER 110-29M-351, REV. 2-2-22.
- REMOTE DUCT SMOKE DETECTOR RESET SWITCH FINISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE WITH HVAC PLANS. ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH-IN SUPPLIER/INSTALLER DRAWINGS PRIOR TO ROUGH-IN. PROVIDE POWER CONNECTIONS TO FIRE ALARM CONTROL PANEL PER MANUFACTURER'S REQUIREMENTS.
- PROVIDE CONNECTION TO GAS SOLENOID FROM ANSUL CONTROL SYSTEM.
- JUNCTION BOX TO BE MOUNTED SUCH THAT ACCESS IS ON UNDERSIDE OF BULKHEAD, WHP AT TOP SIDE OF LAMP TO CONNECT TO JUNCTION BOX ON UNDERSIDE OF BULKHEAD.
- ELECTRICAL CONTRACTOR TO ROUTE CIRCUIT W/ CONDUIT BELOW SLAB TO FLOOR BOX EQUAL TO LEVITON FIBROX-DY. COORDINATE RINGS FOR DATA, CONDUIT AND OUTLET WITH FURNITURE VENDOR AND A/V SUPPLIER. CONTROL WIRING BY OTHERS.
- ELECTRICAL CONTRACTOR SHALL PROVIDE CIRCUIT FOR EXTERIOR BUILDING SCIENCE SENSING SHALL BE CONTROLLED BY PHOTOCELL/TIMELOCK. COORDINATE WITH ELEVATIONS PRIOR TO ROUGH IN. REFER TO EXACT LOCATION.
- COORDINATE EXACT LOCATION AND TYPE OF CONNECTION SERVING A/V RACK.
- POLE MOUNTED TELEVISION, COORDINATE HEIGHT OF DEVICES WITH TV EQUIPMENT VENDOR. REFER TO INTERIOR ELEVATIONS AND FIELD CONDITIONS PRIOR TO ROUGH IN. REFER TO DETAIL 3 ON E302.
- WALL MOUNTED TV, COORDINATE HEIGHT OF DEVICES WITH TV EQUIPMENT VENDOR, REFER TO INTERIOR ELEVATIONS ON E200 AND A600. VERIFY FIELD CONDITIONS PRIOR TO ROUGH IN. REFER TO DETAIL 2 ON E302.
- BOOTH MOUNTED TV IN MILLWORK, COORDINATE HEIGHT OF DEVICES WITH TV EQUIPMENT VENDOR, REFER TO INTERIOR ELEVATIONS. COORDINATE RINGS FOR DATA, CONDUIT AND OUTLET WITH FURNITURE MILLWORK WITH MILLWORK PROVIDER PRIOR TO ROUGH IN. ROUTE BRANCH CIRCUIT W/ TRENCHED POWER CONDUIT.
- PROVIDE ARROW HART 1R7746-BOX RECEPTACLE WITH USB OUTLET FOR CUSTOMER SIDE ACCESS.
- PROVIDE ELECTRICAL CONNECTIONS TO ALL WALK-IN COOLER LIGHTING, HEAT TRACE, CONTROLS AND POWER PER EQUIPMENT SUPPLIERS SPECIFICATIONS.
- COORDINATE EXHAUST FAN CONNECTION WITH MECHANICAL CONTRACTOR. FAN TO RUN CONTINUOUSLY.
- COORDINATE EXACT LOCATION FOR CEILING MOUNTED RECEPTACLE SERVING A/V EQUIPMENT PRIOR TO ROUGH-IN.
- COORDINATE EXACT LOCATION FOR EASY SEATING TABLE STATION POWER AND DATA OUTLETS WITH IT AND MILLWORK PROVIDER PRIOR TO ROUGH-IN. CONCEAL WIRING DEVICES AND DATA OUTLETS FROM GUESTS TO THE EXTENT POSSIBLE.

**ELECTRICAL EQUIPMENT SCHEDULE**

Equipment #	Quantity	Description	Manufacturer	Model Number	AMPS	KW	HP	VOLTS	PHASE	DIRECT	PLUG	NEMA	AFFIN.	Notes
101	1	walk-in refrigerator lights, view ports & door heaters	KOLPAK	custom				115	1	X			DFA	SEE SHIP DRAWINGS FOR DETAILS AND INTERWIRING DETAIL
101.1	1	LED interior lights	KOLPAK	custom				115	1	X			DFA	SEE SHIP DRAWINGS FOR DETAILS AND INTERWIRING DETAIL
101.2	1	cooler condensing unit	KOLPAK	custom	7.2			208-230	3	X			DFA	SEE SHIP DRAWINGS FOR DETAILS AND INTERWIRING DETAIL
101.3	1	Freezer condensing unit	KOLPAK	custom	18.1			208-230	3	X			DFA	SEE SHIP DRAWINGS FOR DETAILS AND INTERWIRING DETAIL
101.4	1	cooler evaporator	KOLPAK	custom	1.6			115	1	X			DFA	SEE SHIP DRAWINGS FOR DETAILS AND INTERWIRING DETAIL
101.5	1	Freezer evaporator	KOLPAK	custom	9.8			208-230	3	X			DFA	SEE SHIP DRAWINGS FOR DETAILS AND INTERWIRING DETAIL
102	1	walk-in beer lights, view ports & door heaters	KOLPAK	custom				115	1	X			DFA	SEE SHIP DRAWINGS FOR DETAILS AND INTERWIRING DETAIL
102.1	1	beer cooler evaporator	KOLPAK	custom	1.6			115	1	X			DFA	SEE SHIP DRAWINGS FOR DETAILS AND INTERWIRING DETAIL
102.2	1	beer cooler condensing unit	KOLPAK	custom	9.8			208-230	3	X			DFA	SEE SHIP DRAWINGS FOR DETAILS AND INTERWIRING DETAIL
102.3	1	LED interior lights	KOLPAK	custom				120	1	X			DFA	SEE SHIP DRAWINGS FOR DETAILS AND INTERWIRING DETAIL
112	1	Refrigerator	TRAILSSEN	CI2001	9.7			115	1	X	5-15P		12	SEE SHIP DRAWINGS FOR DETAILS AND INTERWIRING DETAIL
113	1	refrigerator, sandwich/salad prep	BEVERAGE AIR	SP27HC-120-CL	3.5			115	1	X	5-15P		12	2" CASTERS
114	1	refrigerator, sandwich/salad prep	BEVERAGE AIR	SP24HC-180-CL	5.8			115	1	X	5-15P		12	FOR APPS - 2" CASTERS
114.1	1	Hot top holder	CUSTOM											
114.2	1	refrigerator, sandwich/salad prep	BEVERAGE AIR	SP24HC-180-CL	5.8			115	1	X	5-15P		12	
115	1	refrigerator, sandwich/salad prep	BEVERAGE AIR	SP26HC-120-2	6.5	0.9		115	1	X	5-15P		12	FOR BURGERS/SALAD - 2" CASTERS
116.1	1	undercounter refrigerator	TRUE	TUC-27	2.0	0.6	1/6	115	1	X	5-15P		12	
117	1	Freezer, deep (6L, gas w/tilter (3 bays))	HENRY PENNY	DFG3212	12.0			115	1	X	5-15P		24	
120	1	churn refrigerator	TRUE	TRC9-29	8.8	1.0	1/2	115	1	X	5-15P		12	
121	1	food warmer, 12x20	VOLLRATH	71001	5.8			120	1	X	5-15P		48	
122	1	electric cheese melter	VULCAN	1036	17.3	3.6		208	1	X			65	
123	1	Freezer, deep (6L, gas w/tilter (3 bays))	HENRY PENNY	DFG3212	12.0			120	1	X	5-15P		24	
125	1	gas griddle	BARTIA											
127	1	warming drawer	HATCO	HDB-2	7.5	0.9		120	1	X	5-15P		24	
129	2	microwaves	ADP INC	RMS1075	13.0	1.5		120	1	X	5-15P		65	
131	3	overhead food warmer	HATCO	GHAL-602	23.5	2.4		120/208	1	X	5-15P		65	
131.1	2	overhead food warmer	HATCO	GHAL-24	6.3	755.0		120	1	X			65	
132	1	pastthrough, 18" x 24"	CUSTOM	STAINLESS STEEL										
133	1	draft beer dispensing tower	PERLICK	4006-168										
133.2	1	remote beverage cooling system	PERLICK	4410	25.0			1/2 120	1	X			72	
134	1	under bar sink	KROWNE METAL	18-64C										
134.1	1	in-tow glass washer	BAE MADE	A-200				1/3 115	1	X	5-15P		24	
136	1	underbar blender station	PERLICK	75176LW										
137	2	bar cooler	KROWNE METAL	NSS2L	2.7			1/5 115	1	X	5-15P		12	
138	2	glass/mug/plate chiller/freezer	KROWNE METAL	MC368	15.0			115	1	X	5-15P		12	
140	1	ice maker w/ bin	MANTOVOC ICE	107190A-261	14.2			208-230	3	X	5-15P		76	
140.1	1	ice bin	MANTOVOC ICE	D-970										
140.2	1	ice maker filtration system	MANTOVOC ICE	AR-40000										
140.3	1	remote ice maker condenser	MANTOVOC ICE	IC11500	1.0			208-230	1	X			DFA	
189	1	beverage glass refrigerator	VICHENBERG/BEVCO	604013	11.5			2.0 120	1	X	5-15P		24	
202	1	dispenser ice chest w/bottle w/air	KROWNE METAL	18-36										
202.1	1	underbar speed rail	KROWNE METAL	D-36										
203	1	coffee/tea maker	NEWCO (BY VENDOR)	MT-3-INS	14.6			120	1				44	NEED SPEC FOR MEPS
204	6	POS Work Stations	MSI	780										
205	5	POS Work Stations	Microsoft											ON OWN CIRCUIT
206	7	KDS Monitors	Microsoft											ONE IS A MIRROR SCREEN
207	1	Shake Machine	F-Real	B-7 Blender	35			120	1				44	
208	1	Food System												
210	1	Dish Machine	AUTO COLOR	D2										
211	1	Beer Blaster System	MICROZ	MACTN2										
212	2	pan rack	NEW AGE INDUSTRIAL	1311										
213	1	CO2 tank	ARGAS											
214	1	Nitrogen Tank	ARGAS											
214.1	4	Nitrogen Generator												
224	1	back-bar (2 STACKED)	BY OTHERS	BY OTHERS				120	1	X			90	
226	2	soda machine	BY OTHERS	BY OTHERS										18
226.1	2	ICE BINS	LANCER	IC400										
227	1	heated holding shelf	FWE	HMS-413-2039	11.6	1.4		120	1	X	5-15P		12	
227.1	1	heated holding shelf	FWE	HMS-211-2039	5.8	0.7		120	1	X	5-15P		60	
228	2	liquor cabinet	BY MILLWORK											
232	0	back bar cooler	KROWNE METAL	BS3L	1.8			120	1	X	5-15P		12	1 AT EXTERIOR TO HAVE OUTDOOR COVERS
603	6	24" LED TV	LG	SP9550C										
604	11	50" LED TV	LG	60P950C										
605	12	55" LED TV	LG	60P950C										
606	6	65" LED TV	Sharp	LC-70LE650U										
607	8	75" LED TV	Sharp	LC-80LE650U										
704	1	Wire Pallet Rack W/ Bins	CARLISLE	3822950										

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**BUFFALO WINGS AND RINGS**  
720 BYPASS ROAD  
CAMPBELLVILLE, KY 42718



**DRAWING ISSUE**

NO	DESCRIPTION	DATE
1	BID AND PERMIT	11/25/20

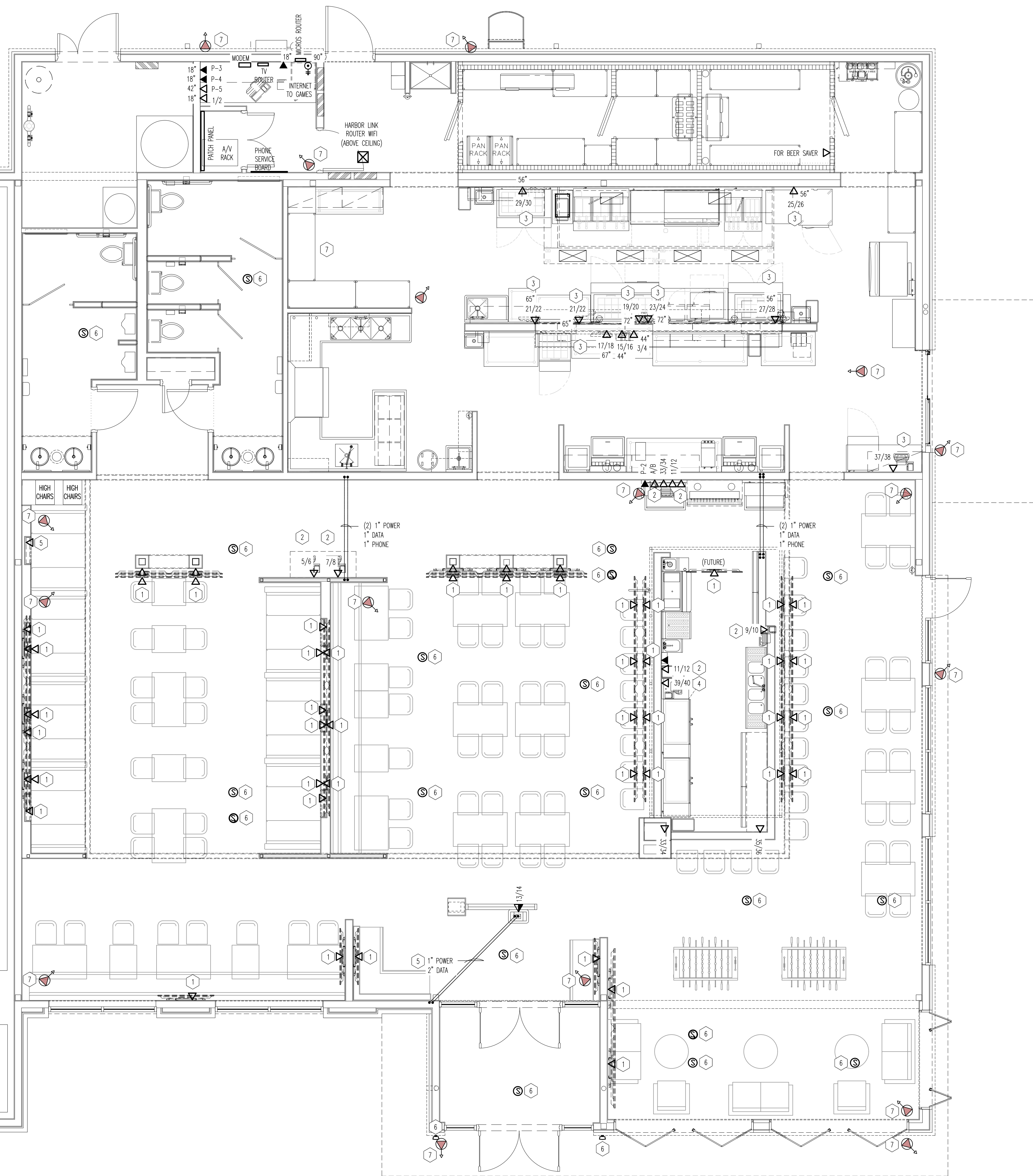
**STAMP**

**POWER PLAN**  
SCALE: 1/4" = 1'-0"  
Drawn By SAC Checked SWJ

**PROJECT NUMBER**  
20-001

**SHEET NUMBER**  
E101

ORIGINAL PRINT SIZE - 30 X 42



**01 COMMUNICATION & DATA PLAN**  
SCALE: 1/4"=1'-0"

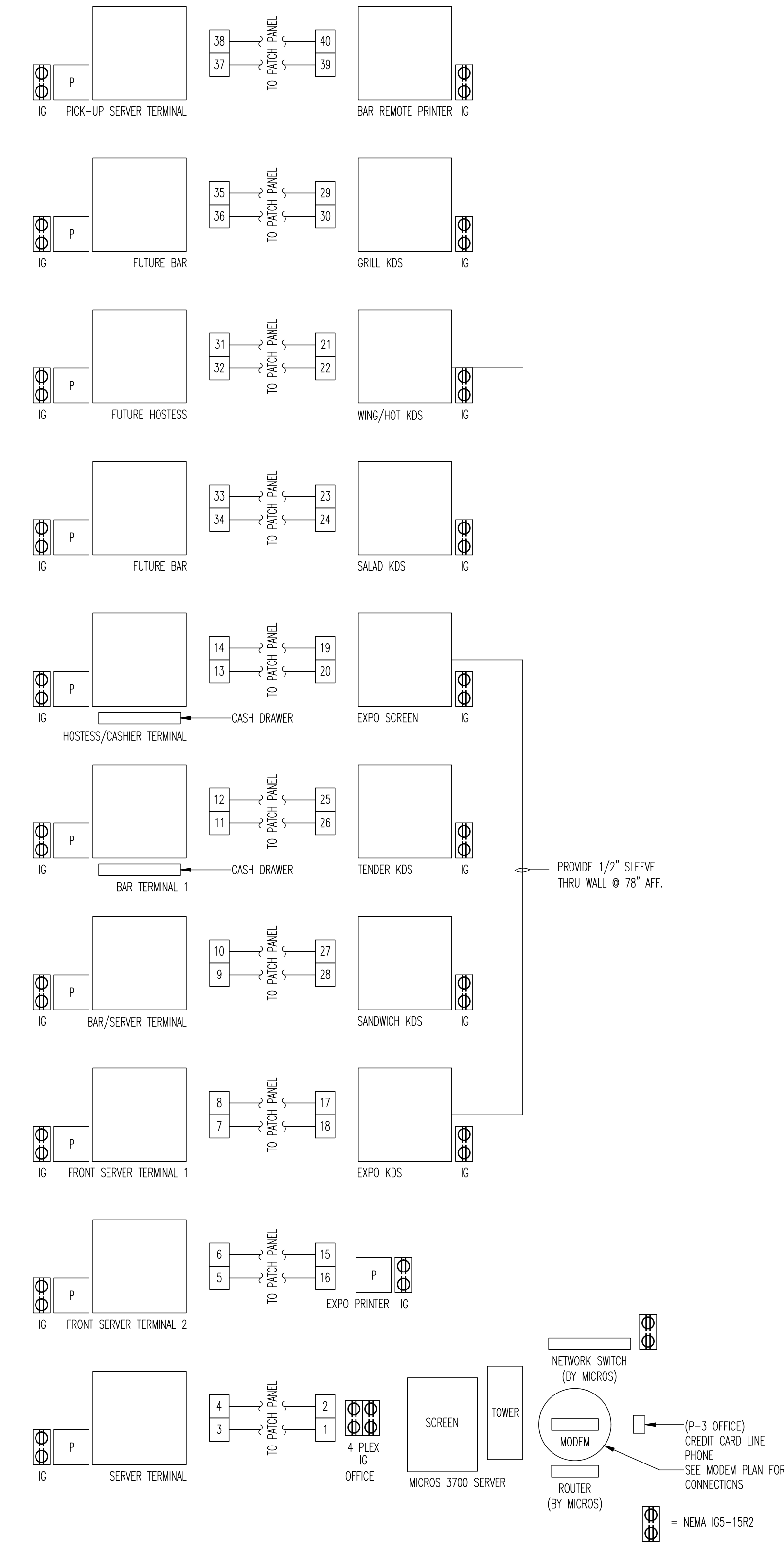
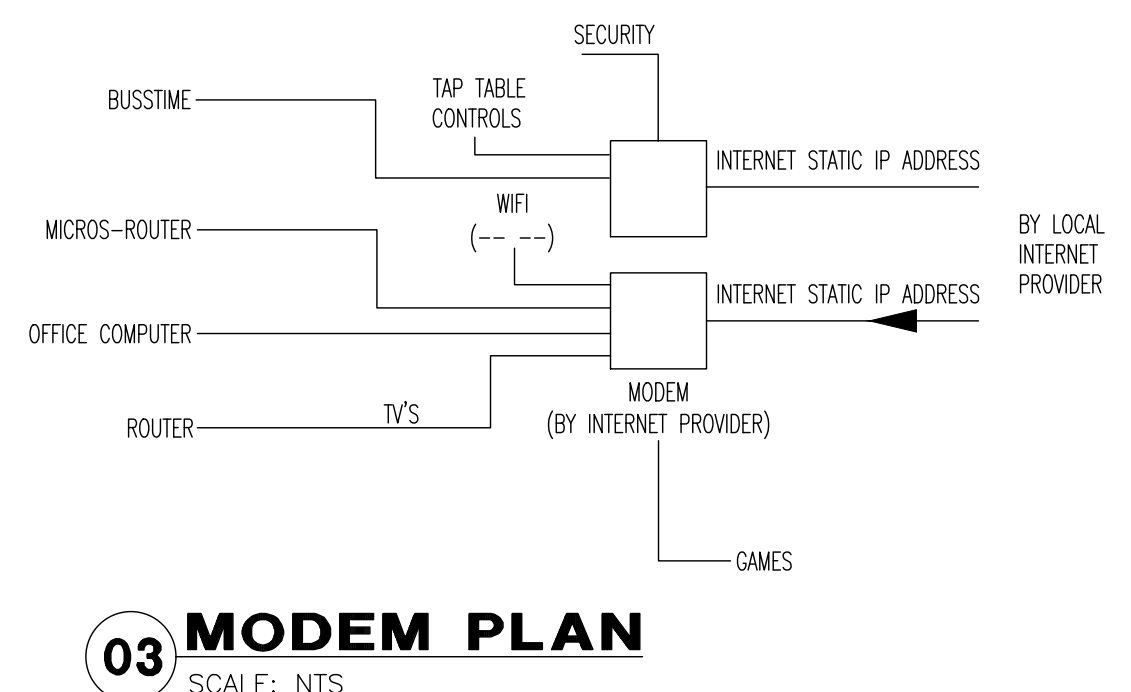
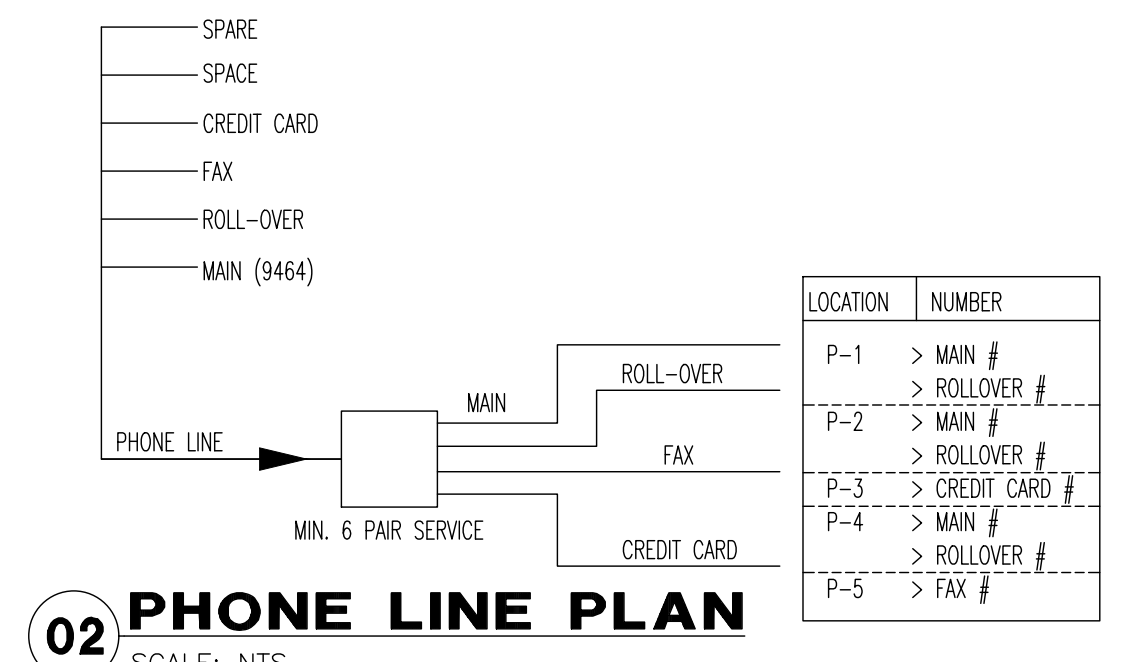
**GENERAL NOTES**

- VERIFY LOCATION OF ALL EQUIPMENT WITH ARCHITECTURAL DRAWINGS AND OTHER TRADES.
- ELECTRICAL CONTRACTOR SHALL VERIFY CONNECTION TYPE (RECEPTACLE, HARDWIRED, ETC) FOR ALL KITCHEN EQUIPMENT PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL CONDITIONS AND IS ALSO RESPONSIBLE FOR REPORTING ANY CONFLICTS TO THE ENGINEER PRIOR TO THE START OF WORK.

**KEY NOTES**

- COORDINATE HEIGHT OF DEVICES WITH TV ELEVATIONS AND INTERIOR ELEVATIONS, PRIOR TO ROUGH-IN. REFER TO DRAWINGS E200 AND E201.
- POS TERMINALS, VERIFY EXACT LOCATION IN FIELD PRIOR TO INSTALLATION.
- KDS TERMINALS, VERIFY EXACT LOCATION IN FIELD PRIOR TO INSTALLATION.
- COORDINATE EXACT LOCATION OF BAR REMOTE PRINTER PRIOR TO ROUGH-IN.
- ELECTRICAL CONTRACTOR TO DATA FOR TV'S IN BOTH MILLWORK. COORDINATE RUNS WITH GENERAL CONTRACTOR AND MILLWORK PROVIDER FOR POWER AND DATA.
- PROVIDE ROUGH-IN FOR NEW SPEAKERS BY OTHERS, COORDINATE EXACT LOCATIONS WITH PROVIDER PRIOR TO ROUGH-IN.
- PROVIDE ROUGH-IN FOR NEW SECURITY SYSTEM CAMERA BY OTHERS, COORDINATE EXACT LOCATIONS WITH PROVIDER PRIOR TO ROUGH-IN.

NOTE: WIRING INSTALLER SHALL LABEL ALL P.O.S., DATA, AND TELEVISIONS AS INDICATED ON PLANS.



PP-48 NETWORK PATCH PANEL LOCATED IN OFFICE.  
Z - CAT 6 RUN FROM EACH DATA PORT TO PATCH PANEL.

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Architecture and Engineering

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**BUFFALO WINGS AND RINGS**  
720 BYPASS ROAD  
CAMPBELLVILLE, KY 42718



**DRAWING ISSUE**

NO.	DESCRIPTION	DATE
	BID AND PERMIT	11/25/20

**STAMP**

12.12.2020

**DATA + COMMUNICATION PLAN**  
SCALE: 1/4" = 1'-0"  
Drawn By: SAC  
Checked By: SVJ

**PROJECT NUMBER**  
20-0501

**SHEET NUMBER**  
E102

FOR BID ONLY

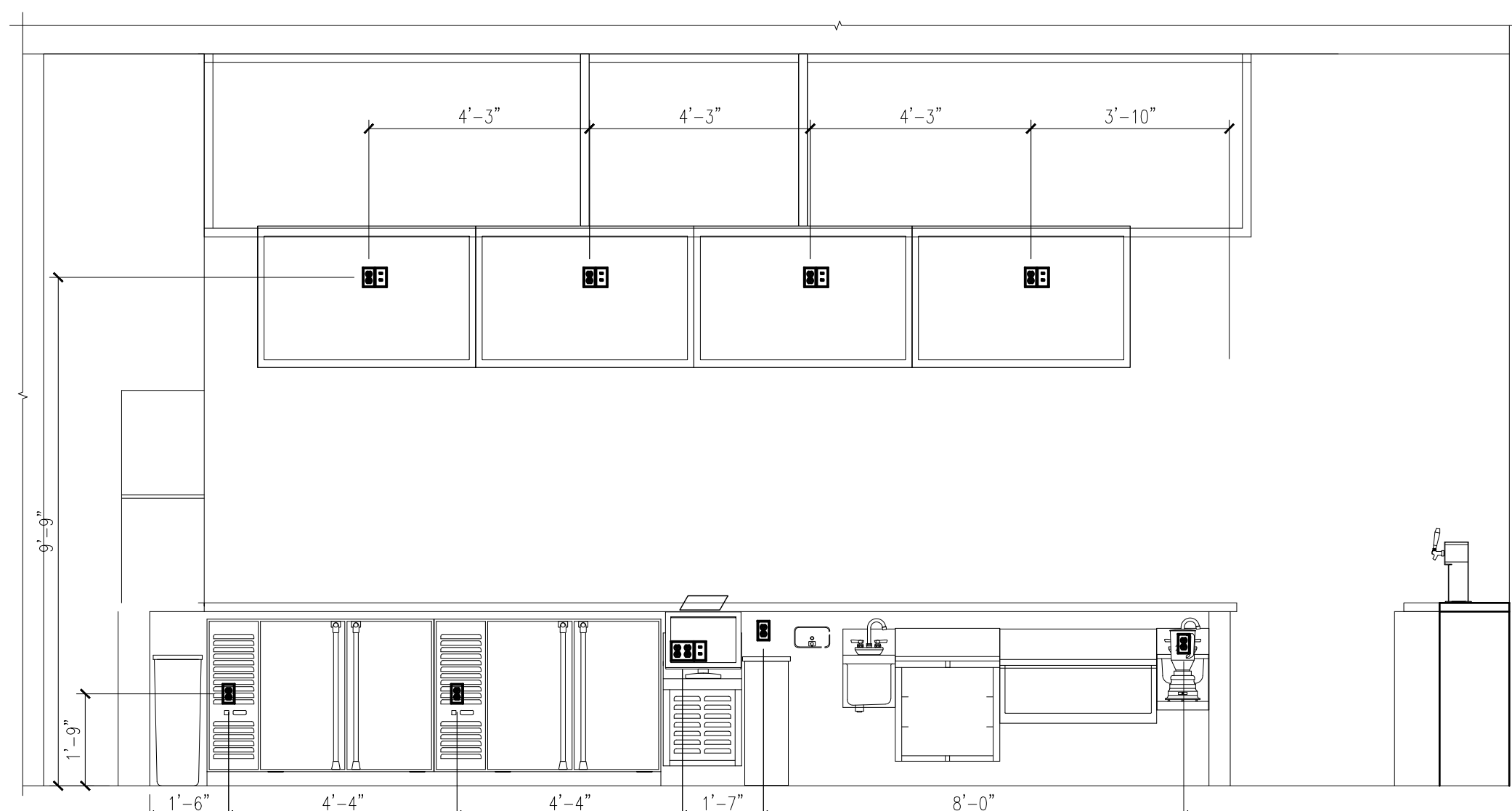


**GENERAL NOTES**

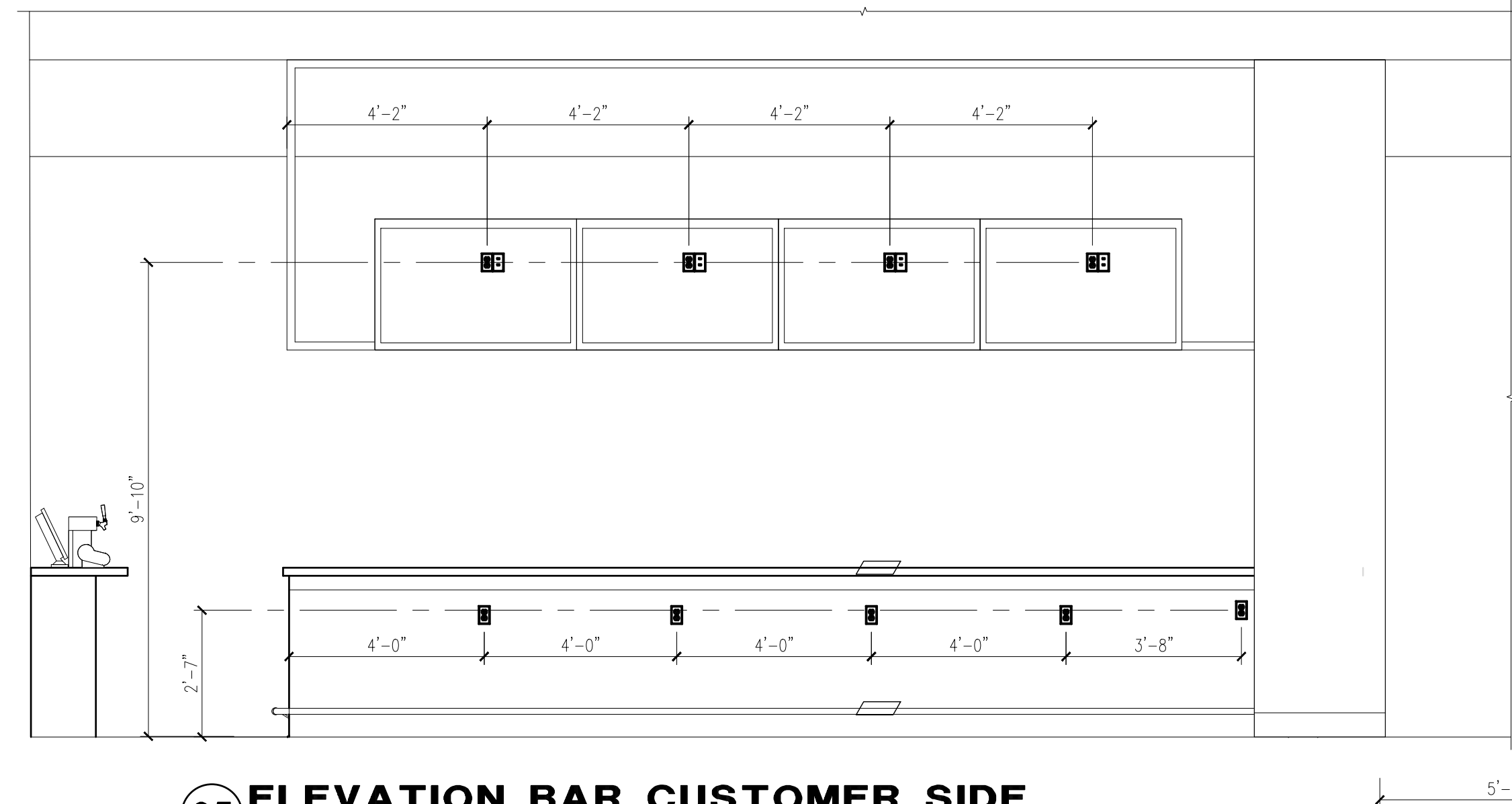
1. VERIFY LOCATION OF ALL EQUIPMENT WITH ARCHITECTURAL DRAWINGS AND OTHER TRADES.
2. DUPLEX RECEPTACLES SHALL BE MOUNTED AT 18" AFF UNLESS NOTED OTHERWISE ON DRAWINGS OR SCHEDULES.
3. ALL 120V, 20 AMP BRANCH CIRCUITS SHALL BE 3/4" CONDUIT, 2#12 AND 1#12 GROUND UNLESS NOTED OTHERWISE. USE #10 WIRE FOR BRANCH CIRCUITS LONGER THAN 100 FT.
4. POS SYSTEM SHALL BE AN ISOLATED GROUND SYSTEM PER NEC 250.96B. ALL BRANCH CIRCUITS FED TO POS EQUIPMENT SHALL HAVE SEPARATE NEUTRAL AND GROUNDING CONDUCTORS. I.G. RECEPTACLES SHALL BE ORANGE IN COLOR.
5. ALL 20A 120V RECEPTACLES IN THE KITCHEN, SERVING, STOCK, DISHWASHING AND BAR AREAS SHALL HAVE GFCI PROTECTION AT CIRCUIT BREAKER.
6. ELECTRICAL CONTRACTOR SHALL REFER TO ARCHITECTURAL INTERIOR ELEVATIONS ON SHEET A600, A601, A602 ALONG WITH THE ENLARGED PLANS AND MILLWORK SHEETS.

**KEY NOTES**

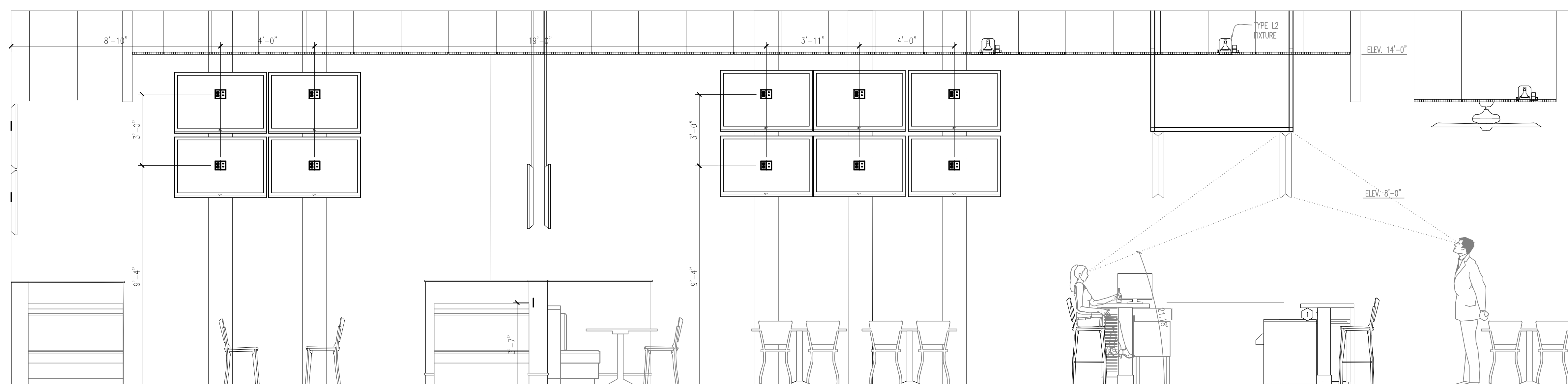
1. CONNECT UNDER BAR LIGHTING TO LOAD SIDE OF SWITCH 'Y'. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH IN.



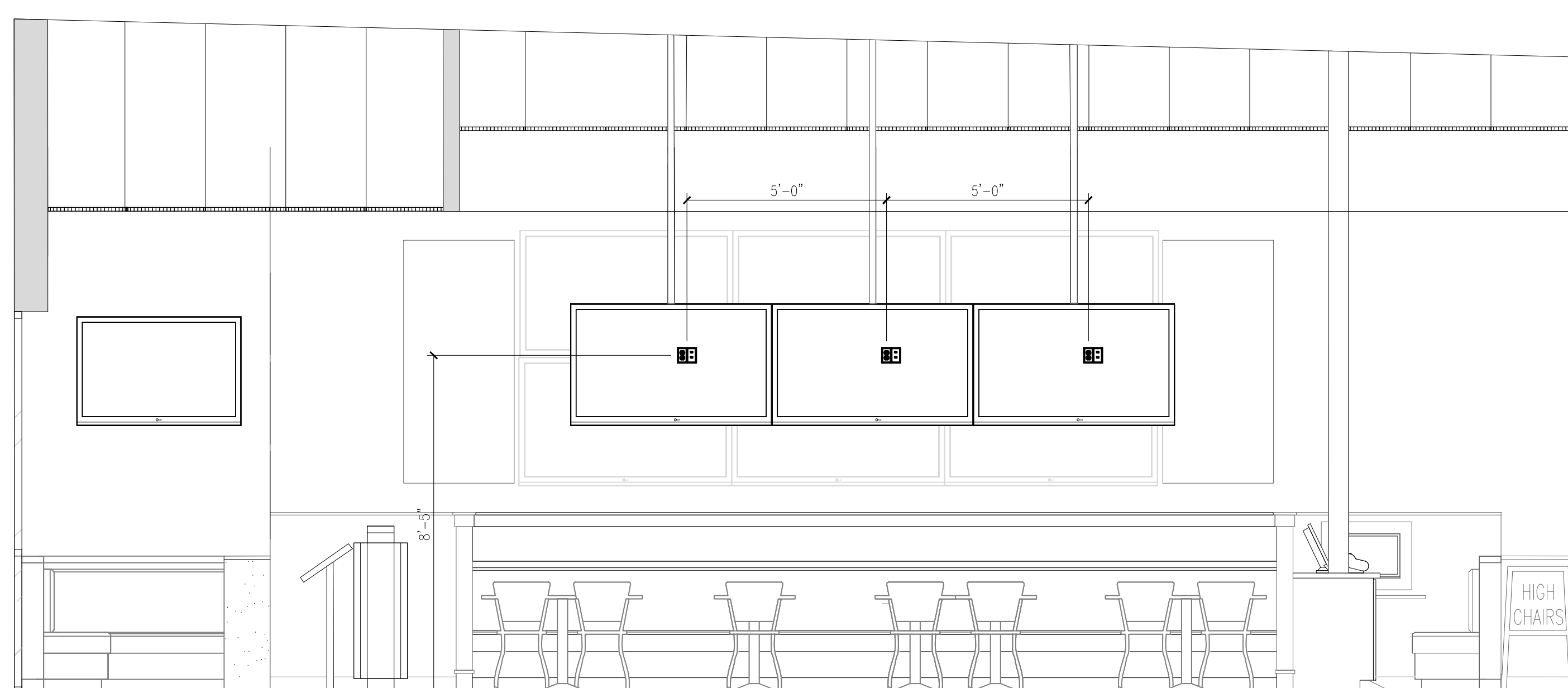
**04 ELEVATION BAR TENDER SIDE**  
 SCALE: 3/8"=1'-0"



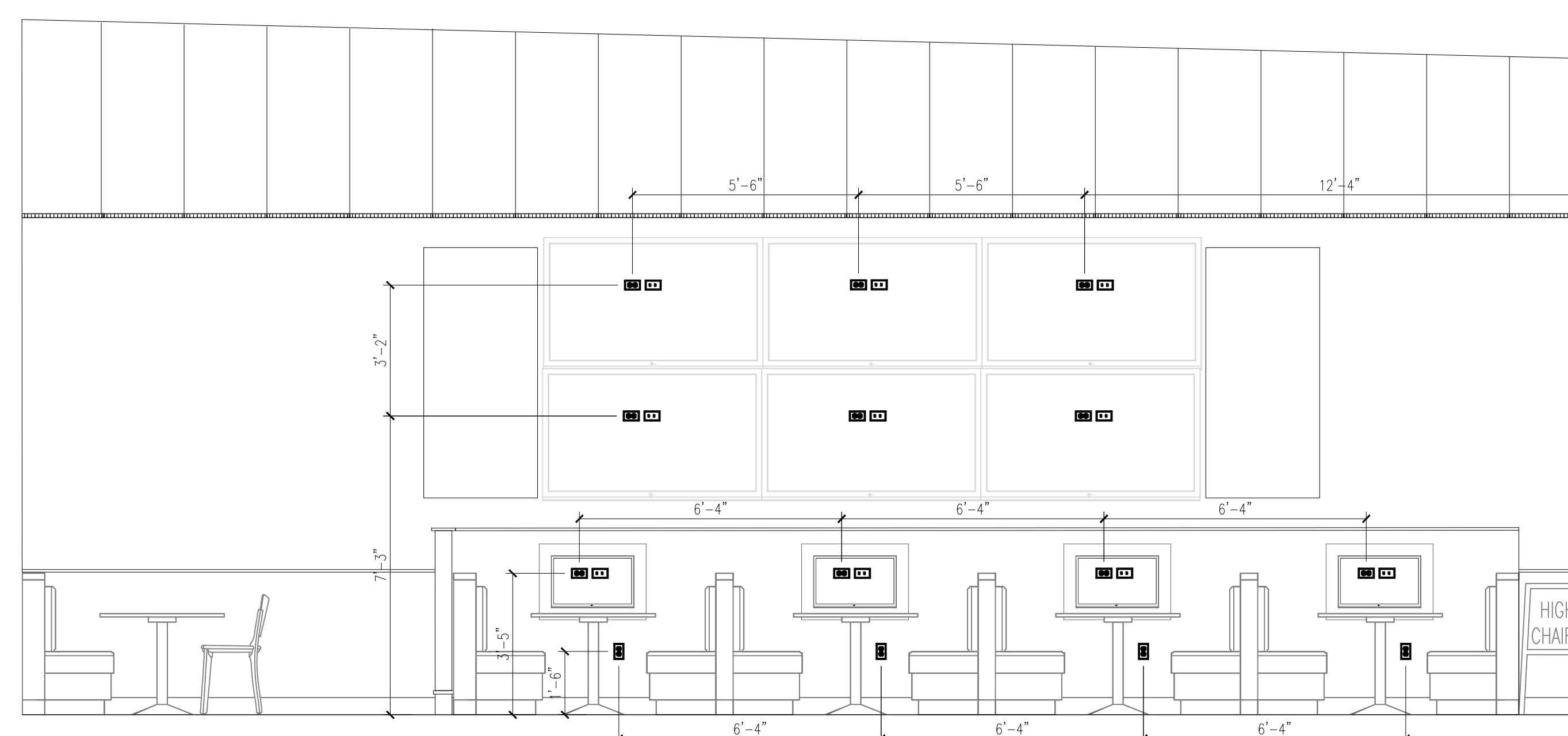
**05 ELEVATION BAR CUSTOMER SIDE**  
 SCALE: 3/8"=1'-0"



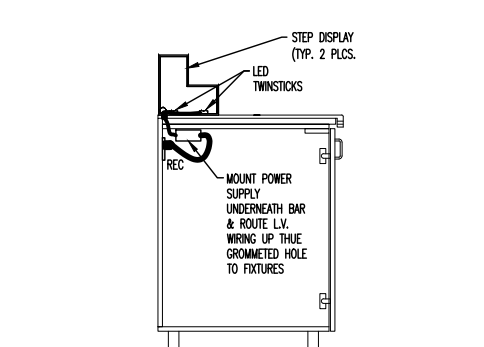
**03 DINING 'A'/DINING 'B'/BAR**  
 SCALE: 3/8"=1'-0"



**01 BAR**  
 SCALE: 3/8"=1'-0"



**02 DINING 'B'**  
 SCALE: 3/8"=1'-0"



**07 BACK OF BAR SECTION**  
 SCALE: 3/4"=1'-0"

ORIGINAL PRINT SIZE - 30 X 42

**BUFFALO WINGS AND RINGS**  
 720 BYPASS ROAD  
 CAMPBELLVILLE, KY 42718



WINGS & RINGS

DRAWING ISSUE	
NO	DESCRIPTION
1	BID AND PERMIT
DATE	11/25/20

STAMP

12.12.2020

**ELECTRICAL ELEVATIONS**  
 SCALE: AS NOTED  
 Drawn By: SAC  
 Checked: SWJ

**PROJECT NUMBER**  
 20-0501

**SHEET NUMBER**  
**E201**



**ELECTRICAL SPECIFICATIONS**  
THE TERMS GENERAL CONTRACTOR, G.C. AND CONTRACTOR SHALL BE INTERCHANGEABLE.

**GENERAL CONDITIONS**

A. THE REQUIREMENTS AS SET FORTH UNDER GENERAL CONDITIONS, INSTRUCTIONS TO BIDDERS AND GENERAL REQUIREMENTS ARE A PART OF THIS CONTRACT.

B. BIDS SHALL BE BASED ON THE MOST RECENT AND COMPLETE/FULL SET OF DRAWINGS.

C. CONTRACTOR MUST READ THE ENTIRE SPECIFICATIONS COVERING OTHER BRANCHES OF WORK AND IS RESPONSIBLE FOR COORDINATION OF THE WORK WITH WORK PERFORMED BY OTHER TRADES.

**SCOPE OF WORK**

A. PROVIDE ALL LABOR, MATERIALS, TESTING, EQUIPMENT, INCIDENTALS AND TOOLS TO PERFORM WORK SHOWN, NOTED OR SCHEDULED FOR A COMPLETE AND FINISHED INSTALLATION AND OPERABLE SYSTEM.

1. MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND AS SUCH APPEAR ON THE UNDERWRITERS LABORATORIES LIST OF APPROVED ITEMS AND SHALL BE SIZED IN CONFORMITY WITH REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND OTHER APPLICABLE CODES, WHICHEVER ARE MORE STRINGENT.

C. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NEC AND ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES.

D. INCLUDE ANY LABOR AND MATERIALS NOT SPECIFICALLY MENTIONED, BUT NECESSARY TO PROVIDE COMPLETE AND FULLY OPERATING SYSTEMS.

**PERMITS**

A. SECURE AND PAY FOR ALL REQUIRED PERMITS, FEES, ASSESSMENTS AND INSPECTION CERTIFICATES THAT RELATE TO THE WORK.

B. PROVIDE APPROVED CERTIFICATE OF FINAL INSPECTION, AND PROVIDE TO OWNER AT COMPLETION OF PROJECT.

**DRAWINGS AND SPECIFICATIONS**

A. PLANS ARE DIAGRAMMATIC, NOT SHOWING EVERY ITEM IN EXACT LOCATION OR DETAIL. MEASUREMENTS AND LOCATIONS MUST BE FIELD VERIFIED AND COORDINATED WITH ARCHITECTURAL, PLUMBING, HVAC, FIRE PROTECTION, STRUCTURAL AND OTHER WORK.

**CONDUITS**

A. CONDUIT SHALL BE STANDARD STEEL RIGID, MC OR EMT (THIN WALL) ACCORDING TO LOCAL CODE AND LANDLORD REQUIREMENTS. CONDUIT SHALL BE CONCEALED IN FINISHED AREAS, EXCEPT AS OTHERWISE APPROVED BY ARCHITECT. EMT CONNECTIONS SHALL BE COMPRESSION OR SET SCREW TYPE.

B. FLEXIBLE METAL CONDUIT SHALL BE USED FOR FINAL CONNECTIONS TO LUMINAIRES, MOTORS AND VIBRATING EQUIPMENT ONLY, AND WHERE SO USED TO BE GROUNDED WITH A SEPARATE FULL SIZED GREEN GROUNDING CONDUCTOR. FINAL FLEXIBLE METAL CONDUIT CONNECTIONS SHALL BE LIMITED TO 5'-0" IN LENGTH. (ARRANGE CIRCUITS TO AVOID THE USE OF JUNCTION BOXES ABOVE DRYWALL CEILING AREAS. JUNCTION BOXES LOCATED ABOVE LAY IN CEILING ARE ACCEPTABLE).

1. MINIMUM SIZES OF CONDUITS SHALL BE 3/4" FOR STANDARD CONDUIT, AND 1/2" FOR FLEXIBLE METAL CONDUIT (1/2" STANDARD CONDUIT MAY BE USED AS SPECIFIED ABOVE, IF ACCEPTABLE WITH LOCAL CODES. COORDINATE WITH INSPECTION AGENCIES PRIOR TO INSTALLATION). ELECTRIC METAL TUBING (EMT) SHALL BE GALVANIZED OR ELECTRO-GALVANIZED. FITTINGS SHALL BE SET SCREW OR COMPRESSION TYPE. FITTINGS SHALL BE AS MANUFACTURED BY REBEL STEEL CITY, RACO, T & S, ETCOR OR EQUAL. EMT SHALL BE USED FOR FEEDERS AND BRANCH CIRCUITS RUN ABOVE SUSPENDED CEILING OR CONCEALED IN INTERIOR PARTITIONS.

2. PAINT CONDUITS, ETC., TO MATCH SURROUNDING SURFACES WHERE EXPOSED TO PUBLIC VIEW.

C. THE USE OF NM, ROMEX, OR BX IS NOT PERMITTED.

D. MINIMUM CONDUIT HANGER SPACING SHALL BE 8'-0" FOR 3/4" THRU 1 1/4" AND 10'-0" FOR 1-1/2" THRU 4" CONDUITS. DO NOT SUPPORT CONDUIT FROM CEILING SYSTEM.

E. PROVIDE NYLON PULL STRING IN ALL EMT CONDUITS.

F. SECURE ALL CONDUITS TO THE BUILDING STRUCTURE IN A RIGID AND SECURE MANNER, USING FASTENERS SUCH AS "CADDY CLIPS" OR EQUAL.

G. FLASH AND COUNTER FLASH ALL CONDUITS WHICH PENETRATE THE ROOF OR USE PITCH POCKETS. PENETRATIONS SHALL BE COMPLETELY WEATHERPROOF. ALL CONDUIT SYSTEMS EXPOSED TO WEATHER SHALL BE WEATHERPROOF.

H. SLAB OPENINGS FOR CONDUITS IN WET AREAS MUST BE SLEEVED 2" ABOVE FLOOR AND SEALED TO PROPER FLOOR WATERPROOFING SYSTEM PER B-2. X-RAY SLAB PRIOR TO CORE DRILLING.

**WIRE**

A. WIRE SHALL BE SINGLE CONDUCTOR COPPER WITH 90V VOLT INSULATION. MINIMUM WIRE SIZE SHALL BE #12 AWG. ALL WIRE AND CABLE SHALL BE NEW AND SHALL BE BROUGHT TO THE SITE IN UNBUNDLED PACKAGES. ALL WIRING OF ANY TYPE SHALL BE IN CONDUIT. WHERE ALLOWED BY LOCAL CODES, TYPE MC CABLE IS ALLOWED. NO STRANDED WIRE ALLOWED FOR #10 AND #12 AWG SIZES. (INCREASE CONDUCTOR BY ONE SIZE FOR EVERY 150' INCREMENT OF DISTANCE FROM THE PANEL BOARD FOR ALL 120 VOLT CIRCUITS.)

1. GENERAL WIRING SHALL BE COPPER THIN OR THIN.

B. WIRE CONNECTORS SHALL BE EQUAL TO SCOTCHLOCK FOR #8 AND SMALLER, AND EQUAL TO T & B "LOCK-TITE" FOR #8 AND LARGER.

C. THE USE OF SHARED NEUTRALS IS ACCEPTABLE FOR LIGHTING AND RECEPTACLE CIRCUITS IF INSTALLED IN ACCORDANCE WITH THE NEC AND LOCAL CODES.

D. ALL WIRING SHALL BE COLOR CODED AS FOLLOWS:  
208/120 VOLT SYSTEM  
NEUTRAL - WHITE  
PHASE A OR L1 - BLACK  
PHASE B OR L2 - RED  
PHASE C OR L3 - BLUE  
GROUND - GREEN

**LIGHTING**

A. LUMINAIRES SHALL BE PROVIDED AS SCHEDULED ON THE LUMINAIRE SCHEDULE. FLUORESCENT LAMPS SHALL HAVE HPH BALLASTS WITH EFFICIENCY FACTORS IN ACCORDANCE WITH NATIONAL APPLIANCE ENERGY CONSERVATION ACT OF 1987, AMENDMENTS OF 1988.

B. LUMINAIRES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE VIA ALL THREAD AND UNISTRUT, NOT SUPPORTED BY CEILING SYSTEM.

**GROUNDING SYSTEM**

A. PROVIDE A COMPLETE WIRED GROUNDING SYSTEM FOR ELECTRICAL EQUIPMENT AND CIRCUITS AS SHOWN ON THE DRAWINGS AND DESCRIBED GENERALLY BELOW.

B. ALL GROUNDING CONDUCTORS SHALL BE GREEN, WHERE EXPOSED IN PANEL, SWITCHBOARD, OUTLET, BOXES, ETC.

C. ALL ENCLOSURES AND NON-CURRENT CARRYING METALS SHALL BE GROUNDED. ALL METAL CONDUIT SYSTEMS SHALL BE GROUNDED. ALL LOCK NUTS MUST CUT THROUGH ENAMELED OR PAINTED SURFACES ON ENCLOSURES, WHERE ENCLOSURES AND NON-CURRENT CARRYING METALS ARE ISOLATED FROM THE CONDUIT SYSTEM, USE BONDING JUMPERS WITH APPROVED CLAMPS.

D. RUN A SEPARATE GROUNDING CONDUCTOR IN EACH CONDUIT, #12 MINIMUM. FOR PANEL FEEDERS BOND THE GROUNDING CONDUCTOR TO THE CONDUIT, WHERE ENTERING AND LEAVING THE CONDUIT. ALL GROUND CLAMPS SHALL BE PENN-UNION OR EQUAL, SIMILAR TO "GPI" TYPE. CONDUIT GROUND BUSHINGS SHALL BE THOMAS & BETTS OR EQUAL, SIMILAR TO #3800 SERIES WITH NYLON INSULATED THROAT.

E. 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. ALL FLEXIBLE CONDUIT SHALL BE JUMPED WITH A GROUNDING CONDUCTOR.

**WIRING DEVICES**

A. DEVICES AND COVERPLATES

1. RECEPTACLES SHALL BE 20 AMP, 3-WIRE GROUNDING TYPE EQUAL TO HUBBELL 5362.

2. SWITCHES SHALL BE 20 AMP SPECIFICATION GRADE, RATED AT 120 VOLT.

3. SPECIAL DEVICES SHALL BE A SPECIFICATION GRADE.

4. DEVICES & COVER PLATES COLORS:

- WHITE ON WHITE TILE AND WHITE FRP SURFACES
- GRAY ON CORRUGATED METAL PANELS AND COLORED WALLS
- BROWN ON WOOD PLANK TILE AND BRICK
- BLACK IN ALL CABINETS
- GRAY RECEPTACLES WITH STAINLESS STEEL
- ALL ISOLATED GROUND RECEPTACLES SHALL BE ORANGE IN COLOR WHILE COVER PLATES TO FOLLOW COLORS ABOVE.

EQUAL ALTERNATES = ARROW-HART, GENERAL ELECTRIC, BRYANT, PASS & SCIMOUR, OR SERRA.

**PANELBOARDS AND SAFETY SWITCHES**

A. PROVIDE BRANCH CIRCUIT PANEL BOARDS WHICH SHALL BE OF THE BOLTED CIRCUIT BREAKER TYPE WITH SOLID COPPER BUSSING FULL SIZED NEUTRAL, 25% GROUND BUSSING, OVERALL HINGED/LOCKABLE DOOR, AND TYPE-WRITTEN DIRECTORY INSIDE DOOR. ALL SERVICE ENTRANCE EQUIPMENT SHALL BEAR THE MANUFACTURER'S LABEL WHICH SHALL STATE THAT THE EQUIPMENT IS RATED FOR SERVICE ENTRANCE APPLICATION IN ACCORDANCE WITH N.E.C. #230-70. LOAD BALANCE ALL ELECTRICAL PHASES AT PANELS AND SWITCHBOARDS. TWO AND THREE POLE BREAKERS SHALL BE COMMON TRIP TYPE. WHEN USED AS SWITCHES IN 120V LIGHTING CIRCUITS, FURNISH TYPE "SMO" BREAKERS IN ACCORDANCE WITH N.E.C. #240-83B. SQUARE D OR EQUAL BY GOLDIE ITC, CUTLER-HAMMER, WESTINGHOUSE, CHALLENGER, FEDERAL PACIFIC, OR GENERAL ELECTRIC (OR APPROVED EQUAL).

B. PROVIDE SAFETY AND DISCONNECT SWITCHES, FUSED OR NON-FUSED, AS INDICATED ON DRAWINGS AND AS REQUIRED BY CODE. (FUSES AS MANUFACTURED BY BUSSMAN, CHASE SHAWMUT, WESTINGHOUSE, ECONOMY FUSE CO., OR LITTLE FUSE CO. ARE ACCEPTABLE). SWITCHES SHALL BE HEAVY DUTY, QUICK MAKE/BREAK BREAK TYPE, FUSIBLE OR NON-FUSIBLE, WEATHERPROOF AS INDICATED ON THE DRAWINGS, OR AS REQUIRED BY LOCAL CODES. LOAD AND HORSEPOWER RATED SWITCHES AS MANUFACTURED BY SQUARE D, GOLDIE ITC, CHALLENGER, CUTLER HAMMER, WESTINGHOUSE, FEDERAL PACIFIC, OR GENERAL ELECTRIC (OR APPROVED EQUAL).

C. ALL HVAC EQUIPMENT SHALL BE PROVIDED WITH INTEGRAL SAFETY SWITCH AND CONVENIENCE OUTLET. VERIFY ALL MINIMUM CIRCUIT CAPACITIES AND MINIMUM OVERCURRENT PROTECTION WITH EQUIPMENT PROVIDED PRIOR TO INSTALLING FEEDERS TO EQUIPMENT.

**BOXES**

A. OUTLET BOXES AND COVERS SHALL BE GALVANIZED, ONE PIECE PRESSED STEEL KNOCKOUT.

B. JUNCTION, PULL BOXES AND COVERS SHALL BE GALVANIZED STEEL, CODE GAUGE SIZE.

C. INSTALL BOXES RIGIDLY ON BUILDING STRUCTURE AND SUPPORT INDEPENDENTLY OF CONDUIT SYSTEM. ALSO PROVIDE SUITABLE/PROPER BOX EXTENSIONS TO EXTEND BOXES TO FINISHED FACES OF WALLS ETC. ALL OUTLET BOXES TO HAVE SUITABLE BLOCKING BEHIND THEM TO MINIMIZE THE DEFLECTION THAT OCCURS WHEN PLUGGING/UNPLUGGING INTO THESE DEVICES.

**SERVICES**

A. PROVIDE TEMPORARY SERVICE, LIGHTING, POWER AND WIRING AS REQUIRED TO FACILITATE APPLICABLE TEMPORARY NEEDS. ANY TEMPORARY WIRING, FUSES, ETC., SHALL BE REMOVED UPON COMPLETION OF THE PROJECT. PROVIDE GROUND FAULT PROTECTION AS REQUIRED BY NEC AND LOCAL CODES.

B. PROVIDE ELECTRICAL SERVICE AS SHOWN ON THE DRAWINGS. FIELD VERIFY ALL UTILITY REQUIREMENTS PRIOR TO BID. ALL WORK NOT SPECIFICALLY NOTED AS BEING BY THE UTILITY COMPANY SHALL BE PROVIDED BY THE CONTRACTOR. CLOSELY COORDINATE ENTIRE INSTALLATION WITH UTILITY COMPANY AS REQUIRED. PROVIDE EQUIPMENT THAT IS COMPATIBLE WITH AVAILABLE FAULT CURRENT LEVELS.

C. PROVIDE PROVISIONS FOR NEW TELEPHONE SERVICE AS REQUIRED, AND AS INDICATED ON THE DRAWINGS.

D. CONDUIT SYSTEM FOR TELEPHONE DISTRIBUTION WITHIN BUILDING SHALL BE PROVIDED AS REQUIRED FOR A COMPLETE TELEPHONE SYSTEM. OUTLET BOXES SHALL BE 4" SQUARE MINIMUM WITH SINGLE DEVICE COVER AND TELEPHONE PLATE.

**LIGHTING CONTACTOR**

A. WHERE INDICATED ON THE DRAWINGS, CONTRACTORS FOR CONTROL OF LIGHTING SHALL BE SQUARE D CLASS 9003, TYPE 1X IN A NEMA 1 ENCLOSURE, ELECTRICALLY OPERATED, AND MECHANICALLY HELD. EQUALS BY SEMENOV-TE, GENERAL ELECTRIC, OR WESTINGHOUSE.

B. TIME CLOCKS SHALL BE TORX, OR EQUIVALENT BY SANJAMO OR PARAGON.

**INSTALLATION**

A. ALL WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING AND REPAIRING. HANGERS SHALL INCLUDE ALL MISCELLANEOUS STEEL SUCH AS CHANNELS, RODS, ETC., NECESSARY FOR THE INSTALLATION OF WORK AND SHALL BE FASTENED TO BUILDING STEEL, CONCRETE OR MASONRY, BUT NOT TO PIPING OR DUCTWORK. EXPOSED CONDUITS SHALL BE IN STRAIGHT LINES PARALLEL WITH OR AT RIGHT ANGLES TO COLUMN LINES OR BEAMS AND SEPARATED AT LEAST 3 INCHES FROM WATER LINES WHEREVER THEY RUN ALONGSIDE OR ACROSS SUCH LINES.

B. PROVIDE ALL LINE VOLTAGE POWER AND CONTROL WIRING INCLUDING CONNECTIONS TO MOTORS, DAMPERS, INTERLOCKING, ETC. ALL LINE VOLTAGE WIRING, CONDUIT, AND FINAL CONNECTIONS FROM THE POWER SOURCE THRU THE STARTER/DISCONNECT ETC. TO THE MOTOR OR EQUIPMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

C. SLEEVES SHALL EXTEND AT LEAST TWO (2) INCHES ABOVE FINISHED FLOOR AND SHALL BE FIRE SEALED WITH CALCIUM SULFATE SILENCE "TOD" FORM. "SM" FIRE RATED SEALANTS OR EQUAL BY HULTI AFTER CONDUIT/CABLES INSTALLATION SO AS TO RETAIN THE FIRE RATING.

D. PANEL BOARDS, DISCONNECT/SAFETY SWITCHES SHALL BE PROVIDED WITH ENGRAVED NAMEPLATE, APPROXIMATELY 1" X 2" IN SIZE AND BE FASTENED WITH POP RIVETS OR SCREWS.

E. THE LOCATION OF OUTLETS AND EQUIPMENT SHOWN ON THE DRAWINGS ARE APPROXIMATE AND THE ARCHITECT/OWNER REPRESENTATIVE SHALL HAVE THE RIGHT TO RELOCATE ANY OUTLETS OR FUTURES BEFORE THEY ARE INSTALLED WITHOUT ADDITIONAL COST.

F. CONTRACTOR SHALL RECORD ALL FIELD CHANGES IN THE WORK AS THE JOB PROGRESSES, AND TURN THIS "AS BUILT" INFORMATION OVER TO THE OWNER AT THE COMPLETION OF THE PROJECT.

G. CONTRACTOR SHALL PROTECT ALL EQUIPMENT AGAINST DAMAGE FROM LEAKS, ABUSE, ETC., AND PAY COST OF REPAIR OR REPLACEMENT OF EQUIPMENT MADE NECESSARY BY FAILURE TO PROVIDE SUITABLE SAFEGUARDS OR PROTECTION.

H. PROVIDE ALL FINAL ELECTRICAL CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM. AFTER ALL EQUIPMENT HAS BEEN INSPECTED AND APPROVED, THOROUGHLY CLEAN ALL EQUIPMENT PROVIDED UNDER THIS WORK JUST PRIOR TO COMPLETION OF PROJECT.

**WARRANTY**

A. MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT CONTRACTOR'S EXPENSE.

B. FOR THE SAME PERIOD, CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

**FINALLY**

A. IT IS THE INTENT THAT THE FOREGOING WORK SHALL BE COMPLETE IN EVERY RESPECT AND THAT ANY MATERIAL OR WORK NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS, BUT NECESSARY TO FULLY COMPLETE THE WORK SHALL BE FURNISHED.

**SECURITY SYSTEM PERFORMANCE SPECIFICATION:**

**BASE OF DESIGN:**

1. A SECURITY SYSTEM SHALL BE PROVIDED FOR THE BUILDING, WHICH SHALL CONSIST OF THE FOLLOWING MINIMUM REQUIREMENTS:

- VIDEO SURVEILLANCE
- INTRUSION DETECTION

**EQUIPMENT:**

1. VIDEO SURVEILLANCE CAMERAS: PROVIDE, AT A MINIMUM, (4) CAMERAS AT THE FOLLOWING LOCATIONS:

- (3) LOCATIONS BENEATH THE EXTERIOR CANOPY (RACEWAY/JUNCTION FRONTS).
- (1) LOCATION FOR SECURITY CAMERA IN "NIGHT PICKUP" ROOM (RACEWAY/JUNCTION PROVIDED).

2. MASTER KEYPAD: PROVIDE A MASTER KEYPAD AT THE STORE ENTRANCE TO ENABLE/DISABLE THE SECURITY SYSTEM.

3. DOOR CONTACTS/GLASS BREAK DETECTORS: PROVIDE AT ALL EXTERIOR DOOR/WINDOW LOCATIONS. PROVIDE RACEWAY FROM ALL DEVICE LOCATIONS TO THE SECURITY EQUIPMENT LOCATED ON THE TBB.

4. MOTION DETECTORS: PROVIDE AT ALL ENTRANCES TO BUILDING. PROVIDE RACEWAY FROM ALL MOTION DETECTOR LOCATIONS TO THE SECURITY EQUIPMENT LOCATED ON THE TELEPHONE BACK BOARD (TBB).

**OPERATION/INSTALLATION:**

1. SECURITY SYSTEM SHALL BE PROVIDED WITH AN INPUT FROM ANY CODE REQUIRED FIRE ALARM SYSTEM. THIS INPUT SHALL NOTIFY THE SECURITY SYSTEM THAT A FIRE ALARM IS PRESENT.

2. SECURITY SYSTEM SHALL BE PROVIDED WITH THE FOLLOWING MONITORED SERVICES:

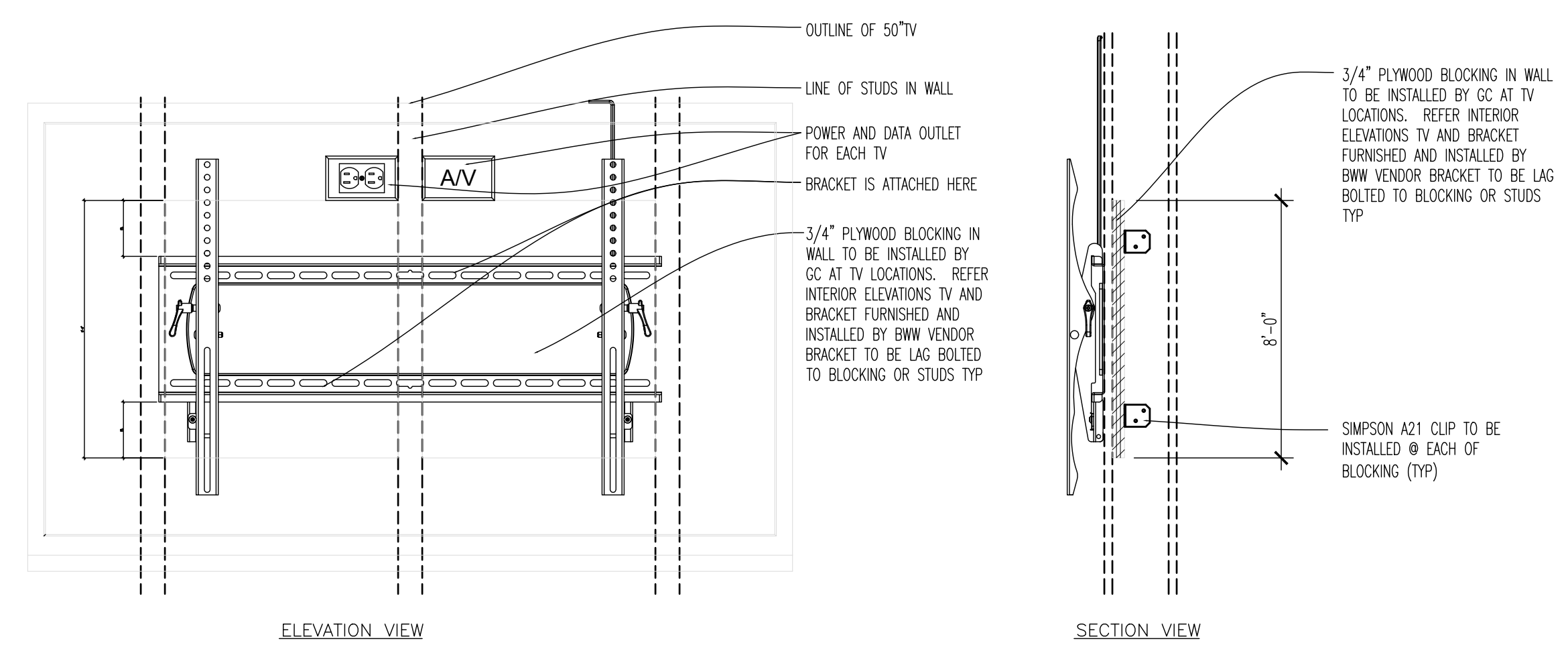
- BURGLARY
- MANUAL POLICE EMERGENCY
- MANUAL FIRE ALARM
- AC POWER FAILURE
- TROUBLE CONDITIONS.

3. AUDIBLE DEVICES (MINIMUM 3) SHALL BE PROVIDED AND WHEN ACTIVATED, SHALL AUTOMATICALLY NOTIFY THE LOCAL POLICE DEPARTMENT, AS WELL AS THE SECURITY SYSTEM MONITORING COMPANY.

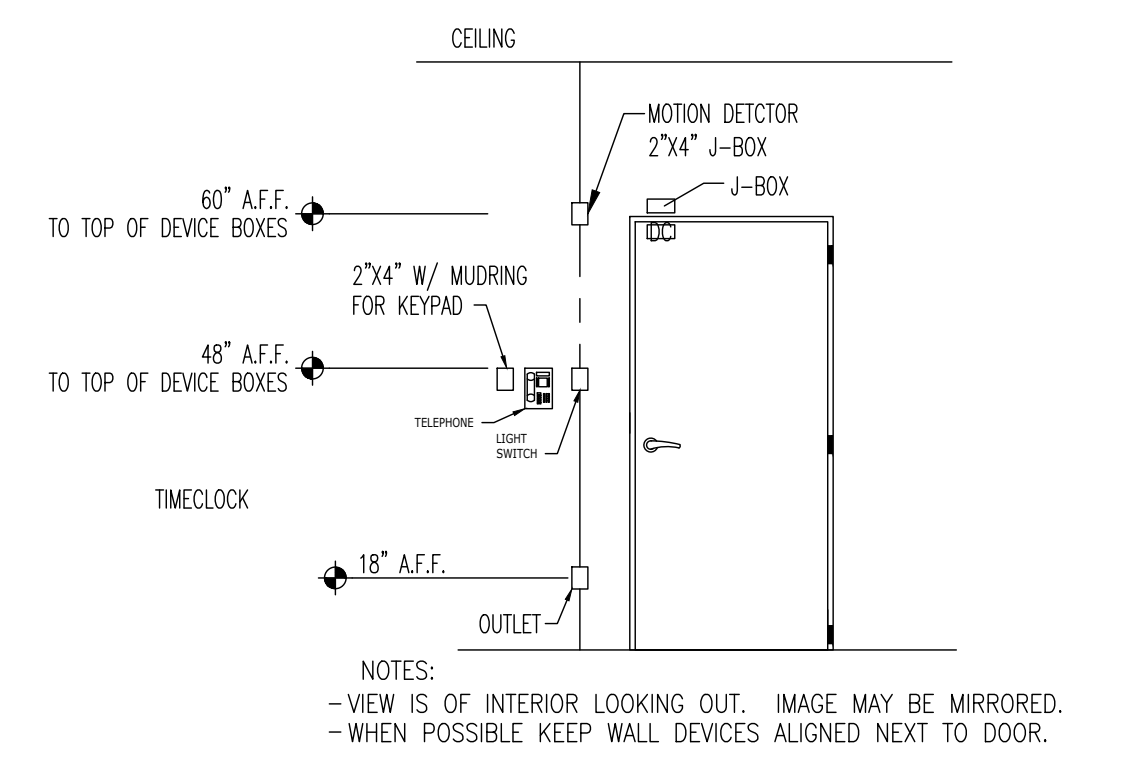
4. ALL SECURITY SYSTEM CABLEING SHALL BE INSTALLED IN RACEWAY.

5. SECURITY SYSTEM SHALL BE PROVIDED WITH ON-SITE TRAINING BY THE INSTALLER TO ALL EMPLOYEES, AS DIRECTED BY STORE MANAGER. TRAINING SCHEDULE SHALL BE COORDINATED WITH STORE MANAGER.

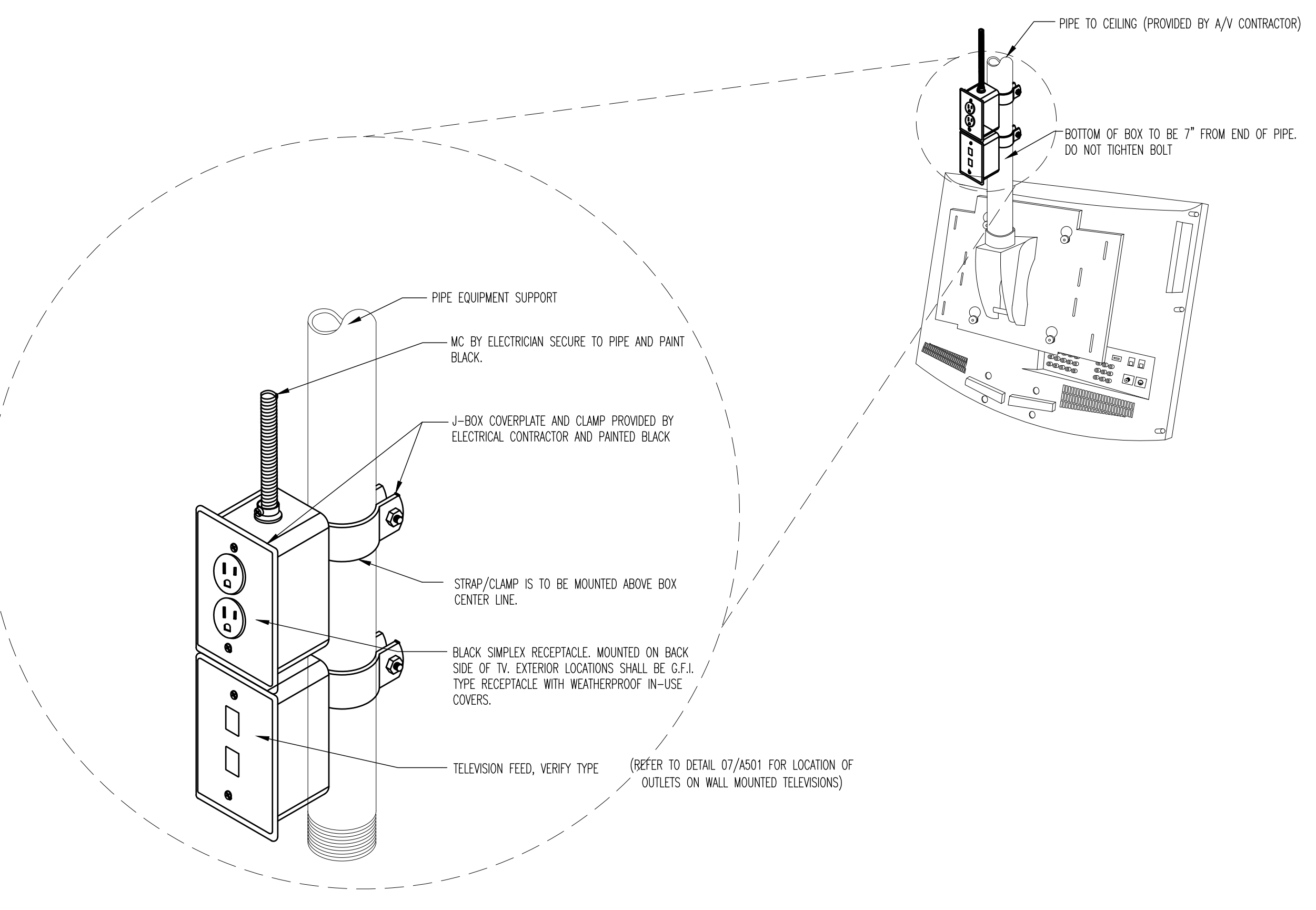
6. SECURITY SYSTEM SHALL BE PROVIDED WITH AN OUTPUT TO CONTROL LIGHTING CONTACTOR.



**01 WALL MOUNTED TV BLOCKING**  
SCALE: NONE



**02 GENERAL WALL DEVICE LOCATIONS**  
SCALE: NTS



**03 TELEVISION MOUNTING DETAIL**  
SCALE: NTS

**Intertech Design Services, Inc.**  
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**BUFFALO WINGS AND RINGS**  
720 BYPASS ROAD  
CAMPBELLVILLE, KY 42718



DRAWING ISSUE	DATE	11/25/20							
	DESCRIPTION	BID AND PERMIT							

**STAMP**

12/12/2020  
Drawn By: EC  
Checked: SWJ

**ELECTRICAL SPECIFICATIONS + DETAILS**  
SCALE: NO SCALE  
PROJECT NUMBER: 20-0501  
SHEET NUMBER: E301

**E301**

FOR BID ONLY

120/208V, 3PH, 4W 600 AMP MLO													
GROUND BAR													
LOAD IN KVA PER PHASE													
CKT	DESCRIPTION	#	BKR	PL	WIRE CONDUIT	A	B	C	WIRE CONDUIT	PL	BKR	DESCRIPTION	CKT
1	PANEL K1	200	3		SEE RISER	14.50	7.45		SEE RISER	3	125	PANEL P1	2
3	RTU-1	60	3		3#6, 1#10G, 1" C	5.52	8.66		SEE RISER	3	125	PANEL P2	8
9	RTU-3	50	3		3#8, 1#10G, 1" C	5.04	5.04		3#6, 1#10G, 1" C	3	50	RTU-2	14
13	HOOD MUA-1	20	3		3#12, 1#12G, 1" C	1.67	5.04		3#6, 1#10G, 1" C	3	50	RTU-4	22
19	H10 COOLER EVAP.	20	1		2#12, 1#12G, 3/4" C	0.32	0.90		2#10, 1#10G, 3/4" C	2	20	H10 COOLER COND.	26
27	109 FREEZER COND.	20	2		2#12, 1#12G, 3/4" C	0.73	1.88		2#10, 1#10G, 3/4" C	2	35	109 FREEZER COND.	32
31	H12 BEER COOL. EVAP.	20	1		2#12, 1#12G, 3/4" C	0.90	0.90		2#10, 1#10G, 3/4" C	2	15	H12 BEER COOL. COND.	34
37	GRILL HOOD EXHAUST FAN #F1	15	3		3#12, 1#12G, 1" C	0.79	0.00		SPACE			SPACE	38
39	DUCT HEATER DH-1	30	2		3#10, 1#10G, 3/4" C	3.00	0.00		SPACE			SPACE	44
43	FRY HOOD EXHAUST FAN #F2	15	3		3#12, 1#12G, 1" C	0.42	0.00		SPACE			SPACE	50
51	SPACE					0.00	2.48		2#8, 1#10G, 3/4" C	2	40	140°C M MACHINE	54
TOTAL PER PHASE						61.0	72.3	59.4	KVA				
PANEL CONNECTED LOAD						192.7		534.9	AMPS				
PANEL DEMAND LOAD						192.4		534.0	AMPS				

(NUMBER)= EQUIPMENT NUMBER IN PARENTHESES  
 PANEL TO BE SUPPLIED BY CONTRACTOR  
 PROVIDE SWITCHING DUTY CIRCUIT BREAKERS FOR ALL LIGHTING CIRCUITS  
 PROVIDE HACR CIRCUIT BREAKERS FOR HVAC AND REFRIGERATION EQUIPMENT  
 # (GF) = GROUND FAULT INTERRUPTER, (ST) = SHUNT TRIP, (LO) = LOCKOUT, (IG) = ISOLATED GROUND

120/208V, 3PH, 4W 125 AMP MLO													
GROUND BAR ISOLATED GROUND													
LOAD IN KVA PER PHASE													
CKT	DESCRIPTION	#	BKR	PL	WIRE CONDUIT	A	B	C	WIRE CONDUIT	PL	BKR	DESCRIPTION	CKT
1	TV-BAR	20	1		2#12, 2#12G, 3/4" C	1.80	0.25		2#12, 1#12G, 3/4" C	1	20	FACP (RED HANDLE)	2
3	TV-BAR	20	1		2#12, 2#12G, 3/4" C		1.60	0.00	2#12, 1#12G, 3/4" C	1	20	GF SPARE	4
4	TV-DINING	20	1		2#12, 2#12G, 3/4" C	0.60	1.20		2#12, 1#12G, 3/4" C	1	20	GF SPARE	8
7	TV-DINING BOOTH MTD	20	1		2#12, 2#12G, 3/4" C		1.20	0.18	2#12, 1#12G, 3/4" C	1	20	GF REC- ENTRY	10
9	TV-DINING	20	1		2#12, 2#12G, 3/4" C		0.80	1.08	2#12, 1#12G, 3/4" C	1	20	GF REC- EXTERIOR	12
11	TV-DINING	20	1		2#12, 2#12G, 3/4" C	0.60	0.29		2#12, 1#12G, 3/4" C	1	20	GF SPARE	14
13	TV-DINING	20	1		2#12, 2#12G, 3/4" C		0.30	0.72	2#12, 1#12G, 3/4" C	1	20	GF REC	16
15	TV-LOUNGE	20	1		2#12, 2#12G, 3/4" C		0.30	0.43	2#12, 1#12G, 3/4" C	1	20	GF REC	18
17	TV-DINING	20	1		2#12, 2#12G, 3/4" C	0.00	0.43		2#12, 1#12G, 3/4" C	1	20	GF (EQ 238) CHILLER	20
19	SPARE	20	1				0.62	0.91	2#12, 1#12G, 3/4" C	1	20	GF TO GO HOT HOLD EQ 225	22
21	SPARE	20	1				0.51	0.00	2#12, 1#12G, 3/4" C	1	20	GF SPARE	24
23	SPARE	20	1						2#12, 1#12G, 3/4" C	1	20	GF SPARE	26
25	SPARE	20	1				1.40	4.00	2#8, 1#10G, 3/4" C	2	50	BKW AIR CURTAIN (FUTURE)	28
27	HAND DRYER	GF	20	1	2#12, 2#12G, 3/4" C		1.40	4.00	2#12, 1#12G, 3/4" C	1	20	COOLER LTGHTR/DOOR	32
29	HAND DRYER	GF	20	1	2#12, 2#12G, 3/4" C		0.54	1.20	2#12, 1#12G, 3/4" C	1	20	FREEZ. LTGHTR/DOOR	34
31	NITROGEN GENERATOR	GF	20	1	2#12, 2#12G, 3/4" C		0.00	1.20	2#12, 1#12G, 3/4" C	1	20	BEER COOL. LTGHTR/DOOR	36
33	RESTROOM RECEPES	GF	20	2			0.00	1.20	2#12, 1#12G, 3/4" C	1	20	ROOFTOP RECT	38
35	SPARE	GF	20	2			0.00	0.36	2#12, 1#12G, 3/4" C	1	20	ALV EQUIP REC (WAF)	40
37	SPARE	GF	20	2			0.00	0.00	2#12, 1#12G, 3/4" C	1	20	SPARE	42
39	SPARE	GF	20	2					2#12, 1#12G, 3/4" C	1	20	SPARE	44
41	SPARE	GF	20	2			0.00	0.00	2#12, 1#12G, 3/4" C	1	20	SPARE	46
TOTAL PER PHASE						7.45	13.03	11.76	KVA				
TOTAL CONNECTED LOAD						62.06	108.61	97.97	KVA				
						32.24		89.54	AMPS				

(NUMBER)= EQUIPMENT NUMBER IN PARENTHESES  
 PANEL TO BE SUPPLIED BY CONTRACTOR  
 PROVIDE SWITCHING DUTY CIRCUIT BREAKERS FOR ALL LIGHTING CIRCUITS  
 PROVIDE HACR CIRCUIT BREAKERS FOR HVAC AND REFRIGERATION EQUIPMENT  
 # (GF) = GROUND FAULT INTERRUPTER, (ST) = SHUNT TRIP, (LO) = LOCKOUT, (IG) = ISOLATED GROUND

120/208V, 3PH, 4W 200 AMP MLO													
GROUND BAR													
LOAD IN KVA PER PHASE													
CKT	DESCRIPTION	#	BKR	PL	WIRE CONDUIT	A	B	C	WIRE CONDUIT	PL	BKR	DESCRIPTION	CKT
1	KITCHEN HOOD CONTROL	20	1		2#12, 1#12G, 3/4" C	1.00	1.92		2#12, 1#12G, 3/4" C	1	20	GF (EQ 210) DISHWASHER	2
3	(EQ 121) FOOD WARMER	GF	20	1	2#12, 1#12G, 3/4" C		0.96	1.75	2#12, 1#12G, 3/4" C	1	20	GF (EQ 104) HOLD CAB	4
4	(EQ 103) CORFETEA MACH.	GF	20	1	2#12, 1#12G, 3/4" C			1.75	0.00			SHUNT TRIP 104	6
7	(EQ 207) BLENDER	GF	20	1	2#12, 1#12G, 3/4" C	0.50	0.00					GF SPARE	8
9	(EQ 135) PERLICK BEER	GF	20	1	2#10, 1#10G, 3/4" C		2.62	1.08				GF (EQ 227) CO	10
11	SPARE	GF	20	1					2#10, 1#10G, 3/4" C	1	20	GF (EQ 114) GRILL STATION	12
13	(EQ 115) TENDER EXPOST.	GF	20	1	2#12, 1#12G, 3/4" C	0.59	1.80		2#10, 1#10G, 3/4" C	1	20	GF (EQ 130 I) MICROWAVE	14
15	(EQ 121) FOOD WARMER	GF	20	1	2#12, 1#12G, 3/4" C		0.96	0.00				SHUNT TRIP 150 I	16
17	(EQ 130) MICROWAVE	GF	20	1	2#12, 1#12G, 3/4" C			1.80	0.00			GF SPARE	18
19	SHUNT TRIP 130	GF	20	1		0.00	1.80					GF (EQ 122) CHEESE MELTER	20
21	(EQ 112) REACHAN FREEZER	GF	20	1	2#10, 1#10G, 3/4" C		1.20	1.80				GF (EQ 225) BAGIN A BOX	22
23	(EQ 131) 60" HEAT LAMP	GF	20	1	2#12, 1#12G, 3/4" C		1.70	0.36	2#12, 1#12G, 3/4" C	1	20	GF (EQ 114C) GRILL STATION	24
25	(EQ 131) 60" HEAT LAMP	GF	20	1	2#12, 1#12G, 3/4" C		0.96	0.99				GF (EQ 127) WARMING DRAWER	26
27	(EQ 120) CHEFS BASE	GF	20	1	2#12, 1#12G, 3/4" C	0.17	1.80		2#10, 1#10G, 3/4" C	1	20	GF (EQ 130 I) MICROWAVE	28
31	(EQ 131) 60" HEAT LAMP	GF	20	1	2#12, 1#12G, 3/4" C		1.70	1.80				GF (EQ 130 I) MICROWAVE	30
33	(EQ 226) COKE DISP	GF	20	1	2#12, 1#12G, 3/4" C		0.18	0.96	2#12, 1#12G, 3/4" C	1	20	GF (EQ 211) N2 BEER BATTERY	32
35	(EQ 226) COKE DISP	GF	20	1	2#12, 1#12G, 3/4" C		0.18	1.06				GF (EQ 120) REFRIG. CHEF BASE	34
37	(EQ 123) FRYER GR. PMP	GF	20	1	2#12, 1#12G, 3/4" C		1.20	0.00				SHUNT TRIP 120	36
39	SHUNT TRIP 123	GF	20	1				0.00	0.86			GF (EQ 116) GRIDDLE	38
43	(EQ 131) HEAT LAMP	GF	20	1	2#12, 1#12G, 3/4" C	0.76	0.86		2#12, 1#12G, 3/4" C	1	20	GF SHUNT TRIP 125	40
45	(EQ 131) HEAT LAMP	GF	20	1	2#12, 1#12G, 3/4" C	0.76	0.99					GF SHUNT TRIP 117	42
47	SPARE	GF	20	1				0.00	1.44			2#12, 1#12G, 3/4" C	44
49	SHUNT TRIP 118 (FUT)	GF	20	1		0.00	0.00					2#12, 1#12G, 3/4" C	46
51	(EQ 138) BAR	GF	20	1			0.50	0.00				2#12, 1#12G, 3/4" C	48
53	(EQ 138) BAR	GF	20	1			0.50	0.00				2#12, 1#12G, 3/4" C	50
TOTAL PER PHASE						14.50	19.25	11.51	KVA				
CONNECTED LOAD						120.83	160.43	95.91	AMPS				
						45.26		125.63	AMPS				

(NUMBER)= EQUIPMENT NUMBER IN PARENTHESES  
 PANEL TO BE SUPPLIED BY CONTRACTOR  
 PROVIDE SWITCHING DUTY CIRCUIT BREAKERS FOR ALL LIGHTING CIRCUITS  
 PROVIDE HACR CIRCUIT BREAKERS FOR HVAC AND REFRIGERATION EQUIPMENT  
 # (GF) = GROUND FAULT INTERRUPTER, (ST) = SHUNT TRIP, (LO) = LOCKOUT, (IG) = ISOLATED GROUND

120/208V, 3PH, 4W 125 AMP MLO													
GROUND BAR ISOLATED GROUND													
LOAD IN KVA PER PHASE													
CKT	DESCRIPTION	#	BKR	PL	WIRE CONDUIT	A	B	C	WIRE CONDUIT	PL	BKR	DESCRIPTION	CKT
1	POS-REC SERVIMG	GF/IG	20	1	2#12, 2#12G, 3/4" C	0.24	0.00		2#12, 2#12G, 3/4" C	1	20	SPARE	2
3	POS-REC SRV1 REAR	GF/IG	20	1	2#12, 2#12G, 3/4" C		0.24	0.60	2#12, 2#12G, 3/4" C	1	20	ACCENT LIGHTING	4
4	POS-REC SRV2 REAR	IG	20	1	2#12, 2#12G, 3/4" C			0.24	0.00			SPARE	6
7	POS-REC BAR	IG	20	1	2#12, 2#12G, 3/4" C	0.24	0.72		2#12, 2#12G, 3/4" C	1	20	GENERAL RECEPES	8
9	SPARE	20	1				0.00	0.88	2#12, 2#12G, 3/4" C	1	20	LTG EXT. ACCENT	10
11	SPARE	20	1					0.00	0.32			2#12, 2#12G, 3/4" C	12
13	BAR USB REC	20	1		2#12, 1#12G, 3/4" C	2.16	0.34		2#12, 1#12G, 3/4" C	1	20	LTS - EXTERIOR	14
15	PHONE ISLAND RECEPT	IG	20	1	2#12, 2#12G, 3/4" C		0.90	1.20	2#12, 1#12G, 3/4" C	1	20	SIGNAGE - BW&R PYLON IF REQ.	16
17	SERVER RM A/V EQ	IG	20	1	2#12, 2#12G, 3/4" C		0.72	1.20	2#12, 1#12G, 3/4" C	1	20	SIGNAGE - BW&R FRONT	18
19	SERVER RM A/V EQ	IG	20	1	2#12, 2#12G, 3/4" C	0.72	1.20		2#12, 1#12G, 3/4" C	1	20	SIGNAGE - BW&R EAST	20
21	OFFICE-REC	20	1		2#12, 1#12G, 3/4" C		0.18	1.20				2#10, 1#10G, 3/4" C	22
23	OFFICE-REC	20	1		2#12, 1#12G, 3/4" C			0.36	0.46			2#10, 1#10G, 3/4" C	24
25	OFFICE-REC	20	1		2#12, 1#12G, 3/4" C	0.36	0.75		2#12, 1#12G, 3/4" C	1	20	PATIO CHILING FANS	26
27	SPARE	20	1				0.00	1.22	2#12, 1#12G, 3/4" C	1	20	LTS-BOH	28
29	DINING USB REC	20	1		2#12, 1#12G, 3/4" C		1.44	0.63	2#12, 1#12G, 3/4" C	1	20	LTS-RESTROOM, SPRINKLER	30

**BUFFALO WINGS AND RINGS**  
 720 BYPASS ROAD  
 CAMPBELLVILLE, KY 42718



DRAWING ISSUE	
NO	DESCRIPTION
1	BID AND PERMIT
DATE	11/25/20

STAMP

12.12.2020

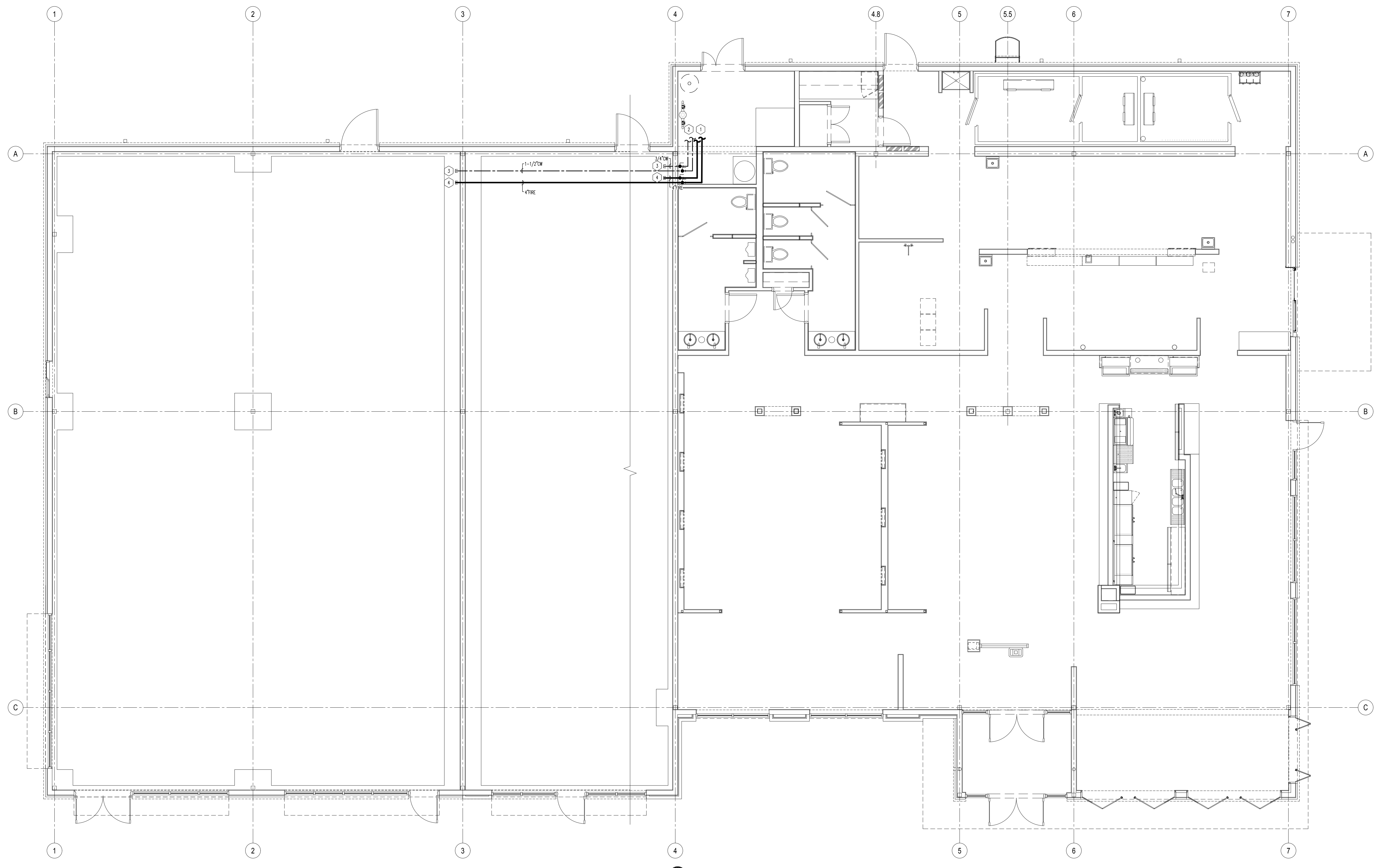
**RETAIL SHELL PLUMBING PLAN**  
 SCALE: 1/4" = 1'-0"  
 Drawn By: YXX Checked: LDJ/SW

**PROJECT NUMBER**  
20-0501

**SHEET NUMBER**  
**P002**

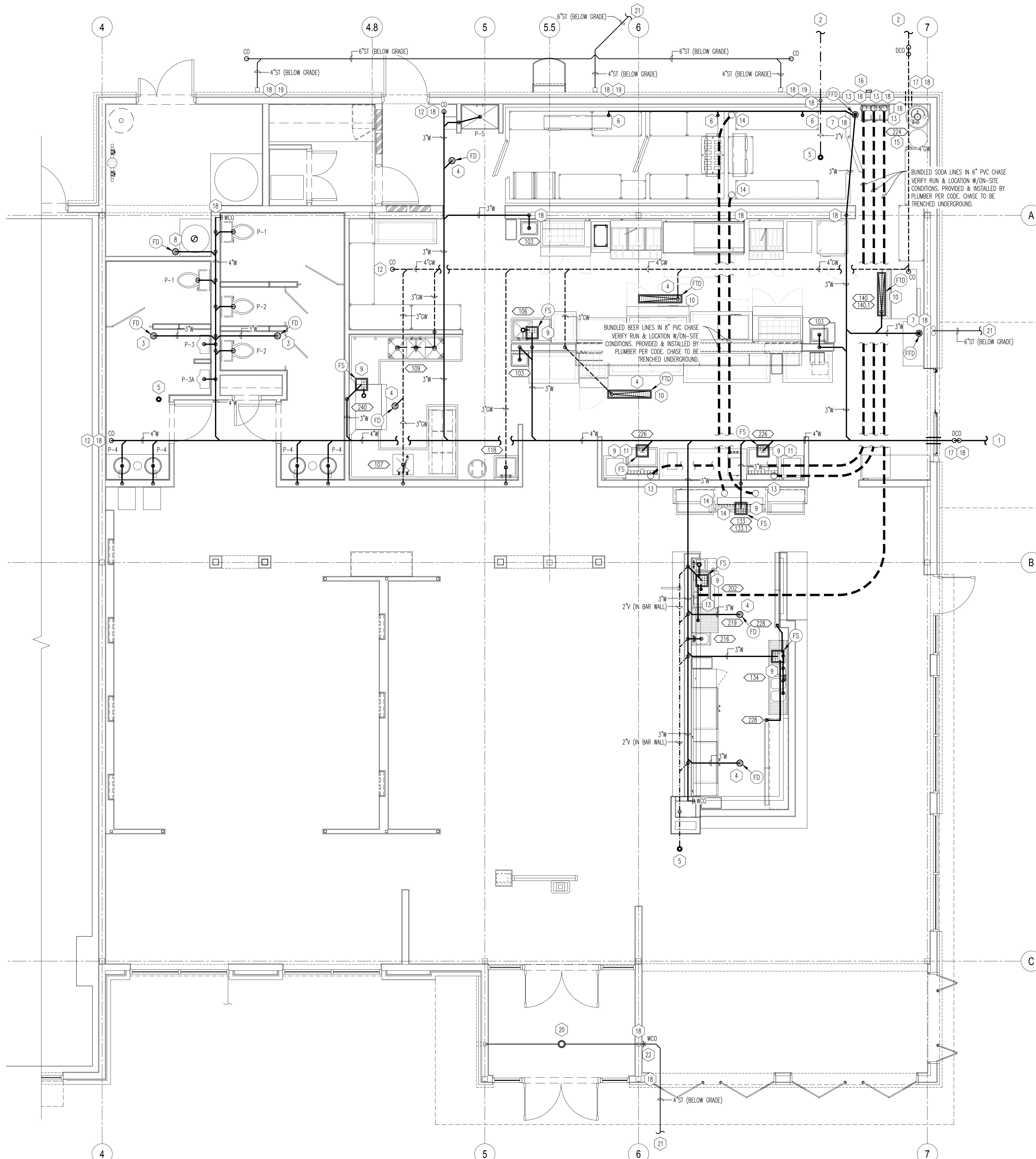
- GENERAL NOTES**
- CONTRACTOR TO COORDINATE WITH ALL REQUIREMENTS OF FOOD SERVICE PLANS AND PROVIDE ALL WORK SHOWN ON PLUMBING PLANS.
  - PROVIDE PIPE BRACING FOR INDIRECT WASTE PIPING FROM EQUIPMENT OR BACK WALL TO PREVENT BENDING OR JAMMING. PLUMBING CONTRACTOR TO INSTALL INDIRECT WASTE PIPING FROM EQUIPMENT TO DRAIN RECEPTION BELOW. TERMINATE WITH COZE APPROVED AIR-GAP. VERIFY INDIRECT WASTE FOR ALL EQUIPMENT. REFERENCE KITCHEN PLANS FOR SIZING.
  - ALL WORK TO BE IN COMPLIANCE WITH PLUMBING CODES.
  - DRAIN LINES TO BE INSIDE OF WALLS. SURFACE MOUNTED WORK IS NOT ACCEPTABLE.
  - PLUMBING CONTRACTOR TO PROVIDE AND INSTALL ALL INDIRECT WASTE LINES (I.E. WALK-IN COOLERS/FREEZERS, REFRIGERATED BASES, HOT WELLS).
  - SET FLOOR DRAINS FLUSH WITH TOP OF FINISHED FLOOR. FLOOR DRAINS TO BE INSTALLED AS TO PROVIDE POSITIVE DRAINAGE. SLOPE TO BE MINIMUM 1/8" PER FOOT.
  - PROVIDE SLEEVE PIPING THROUGH FOUNDATIONS. SLEEVE PIPING SHALL BE TWO SIZES LARGER THAN WASTE PIPING.

- KEY NOTES**
- CONTINUE FIRE LINE TO FIRE RISER IN SPRINKLER ROOM. COORDINATE WITH FIRE SPRINKLER CONTRACTOR.
  - DOMESTIC COLD WATER CONTINUES TO DOMESTIC COLD WATER MAINFOLD FOR BUILDING. CAP AND VALVE FOR FUTURE TENANT METER.
  - DOMESTIC COLD WATER SLUB INTO FUTURE TENANT SPACE. VALVE AND CAP.
  - FIRE LINE SLUB INTO FUTURE TENANT SPACE. VALVE AND CAP.

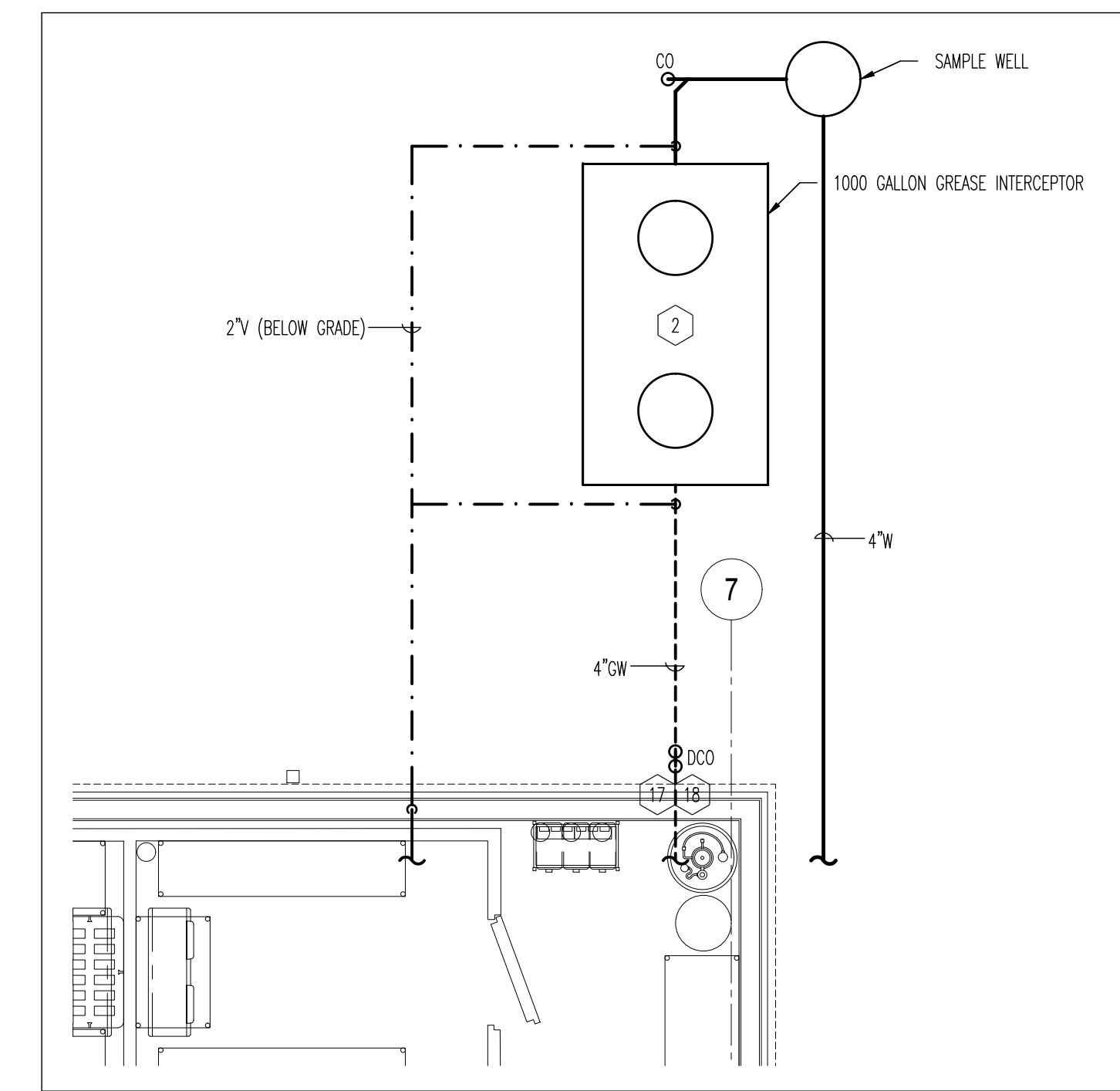


**01 SANITARY WASTE AND VENT PLAN**  
 SCALE: 1/4"=1'-0"





**01 SANITARY WASTE AND VENT PLAN**  
SCALE: 1/4"=1'-0"



**02 SANITARY CONTINUATION PLAN**  
SCALE: 1/4"=1'-0"

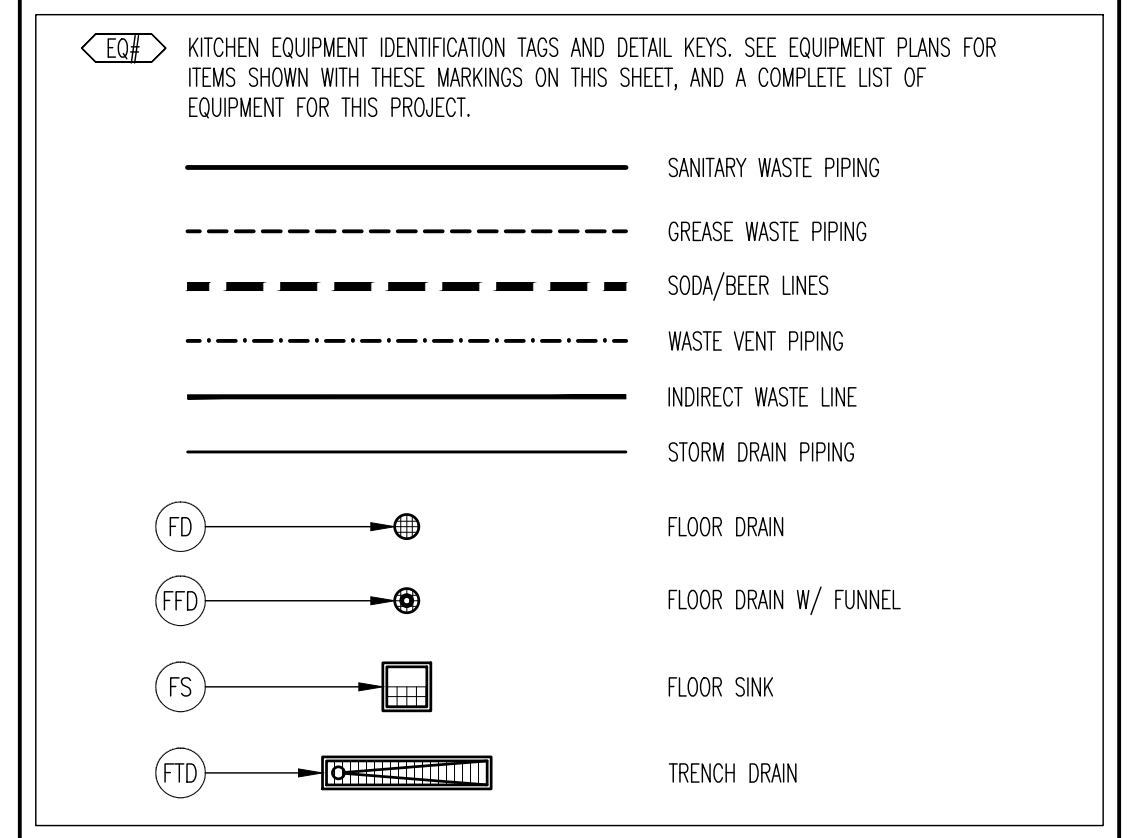
**GENERAL NOTES**

1. CONTRACTOR TO COORDINATE WITH ALL REQUIREMENTS OF FOOD SERVICE PLANS AND PROVIDE ALL WORK SHOWN, ON PLUMBING PLANS.
2. PROVIDE PIPE BRACING FOR INDIRECT WASTE PIPING. BRACE PIPING FROM EQUIPMENT OR BACK WALL TO PREVENT MOVEMENT OR DAMAGE. PLUMBING CONTRACTOR TO INSTALL INDIRECT WASTE PIPING FROM EQUIPMENT TO DRAIN RECEPTOR BELOW. TERMINATE WITH CODE APPROVED AIR-GAP. VERIFY INDIRECT WASTE FOR ALL EQUIPMENT. REFER TO KITCHEN PLANS FOR SIZING.
3. ALL WORK TO BE IN COMPLIANCE WITH PREVAILING CODES.
4. DRAIN LINES TO BE INSIDE OF WALLS. SURFACE MOUNTED WORK IS NOT ACCEPTABLE.
5. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL ALL INDIRECT WASTE LINES (I.E.: WALK-IN COOLERS/FREEZERS, REFRIGERATED BASES, HOT WELLS).
6. SET FLOOR DRAINS FLUSH WITH TOP OF FINISHED FLOOR. FLOOR DRAINS TO BE INSTALLED AS TO PROVIDE POSITIVE DRAINAGE. SLOPE TO BE MAXIMUM 1/8" PER FOOT.
7. PROVIDE SLEEVE PIPING THROUGH FOUNDATIONS. SLEEVE PIPING SHALL BE TWO SIZES LARGER THAN WASTE PIPING.

**KEY NOTES**

1. CONNECT TO SITE SANITARY WASTE PIPING. FIELD VERIFY LOCATION, SIZE, DEPTH, SLOPE AND DIRECTION OF FLOW. COORDINATE WITH CIVIL DRAWINGS. SEE DETAIL 02 THIS SHEET FOR CONTINUATION.
2. GREASE WASTE PIPING TO NEW 1000 GALLON GREASE INTERCEPTOR FOR BUILDING. FIELD VERIFY LOCATION. VERIFY PROPER ROUTING OF VENT. COORDINATE WITH CIVIL DRAWINGS. SEE DETAIL 02 THIS SHEET FOR CONTINUATION. REFER TO DETAIL 17 ON SHEET P101 FOR MORE INFORMATION ON GREASE INTERCEPTOR. PROVIDE AND INSTALL CROSS OF DOUBLE TEE (4" MIN) AND YARD CLEANOUTS ON GREASE INTERCEPTOR OUTLET. REFER TO CLEMONT COUNTY SANITY GREASE INTERCEPTOR DETAIL ON SHEET P300.
3. FLOOR DRAIN WITH TRAP PRIMER. SEE WATER PLAN P200.
4. AREA DRAIN FOR WASH DOWN. NO TRAP PRIMER REQUIRED IN KITCHEN NET FLOOR AREAS. RECESS TOP OF DRAIN AND SLOPE FLOOR TO DRAIN TYPICAL OF AREA DRAINS IN KITCHEN. REFERENCE THE EQ-1 AND P101 FOR DRAIN DETAILS AND DIMENSIONED LOCATIONS OF FLOOR DRAINS. REFER TO STRUCTURAL PLANS FOR ADDITIONAL INFORMATION.
5. LOCATION OF VENT THROUGH ROOF. MAINTAIN 10'-0" MINIMUM FROM ALL OUTSIDE AIR INTAKE ON RTU'S AND MUA.
6. CONDENSATE DRAIN LINE FROM COOLER EQUIPMENT SLOPE @ 1/4"/FT.; PROVIDE HEAT TAPE.
7. FLOOR DRAIN FOR INDIRECT WASTE. NO TRAP PRIMER REQUIRED. DO NOT SLOPE FLOOR AT THIS DRAIN. SEE KITCHEN PLANS.
8. FLOOR DRAIN TO RECEIVE DRAIN PIPING FROM WATER HEATER. TERMINATE TRAP RELIEF DRAIN AT FLOOR DRAIN WITH CODE APPROVED AIR-GAP. PROVIDE TRAP PRIMER. SEE WATER PLAN P200.
9. FLOOR RECEPTOR FOR INDIRECT WASTE FROM EQUIPMENT. INDIRECT WASTE BY PLUMBING CONTRACTOR TYPICAL. COORDINATE WITH KITCHEN EQUIPMENT SUPPLIER AND GENERAL CONTRACTOR. REFER TO EQ-1, P101, AND PLUMBING FIXTURE SCHEDULE P400 FOR SIZING. PROVIDE SUPPORT BRACING AS NOTED AND DETAILED.
10. TRENCH DRAIN IN FLOOR WITH GRATE. INSTALL DRAIN FLUSH WITH FINISHED FLOOR. SEE PLUMBING FIXTURE SCHEDULE FOR SPECIFICATION. G.C. IS TO COORDINATE FINAL LOCATION WITH SPECIFICATIONS OF ICE MACHINE. ENSURE IT IS CENTERED ON ICE MACHINE.
11. FLOOR SINK AT SODA STATION TO BE SET FLUSH WITH FLOOR AND PROJECT HALF EXPOSED UNDER MACHINE. PLUMBER TO PROVIDE AND INSTALL PVC INDIRECT WASTE PIPING FOR BEVERAGE STATION. TERMINATE AT FLOOR SINK WITH AIR-GAP.
12. CLEANOUT TO HAVE RECESSED TOP. MATCH FLOOR FINISH.
13. SODA CHASE TO BE TRENCHED BELOW SLAB. COORDINATE WITH UNDERGROUND STRUCTURE AND EQUIPMENT. ALL BENDS SHALL BE LONG SWEEP ELECTRICAL 90° ELBOWS.
14. BEER LINES TO BE RUN UNDERGROUND. COORDINATE FINAL LOCATION WITH BEER EQUIPMENT VENDOR. ALL BENDS SHALL BE LONG SWEEP ELECTRICAL 90° ELBOWS.
15. CO2 LINE TO BE RUN TO BAG-IN-BOX.
16. CO2 EXTERIOR FILL BOX BY BMR VENDOR.
17. TWO-WAY CLEANOUT. REFER TO DETAIL ON SHEET P101.
18. COORDINATE WITH FOUNDATION. FIELD VERIFY.
19. STORM DRAINAGE FROM DOWNSPOUTS TO BE RUN UNDERGROUND AS SHOWN. FIELD VERIFY AND CONTACT ARCHITECT/ENGINEER WITH ANY ISSUES.
20. 4" FRET COMBINATION ROOF DRAIN/OVERFLOW DISCHARGE OVERFLOW DRAIN AT EXTERIOR WALL AT LANDSCAPING THROUGH J.P. SMITH MODEL #1770 DOWNSPOUT NOZZLE INSTALLED AT 12" A.F.F. PRIMARY STORM DRAIN SHALL BE ROUTED BELOW GRADE TO SITE STORM DRAIN PIPING. REFER TO PLUMBING AND CIVIL DRAWINGS FOR CONTINUATION TO SITE DRAINAGE.
21. EXTEND TO NEAREST SITE STORM DRAIN. SEE CIVIL PLANS FOR FURTHER DETAILS.
22. INSTALL CLEANOUT ON DINING SIDE OF WALL. PROVIDE ACCESS PANEL FOR CLEANOUT ACCESS TO MATCH WALL COVERING.

**PLUMBING SYMBOL LEGEND**



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**BUFFALO WINGS AND RINGS**  
720 BYPASS ROAD  
CAMPBELLVILLE, KY 42718



**DRAWING ISSUE**

NO	DESCRIPTION	DATE
1	BID AND PERMIT	11/25/20

**STAMP**

12/1/2020

**SANITARY WASTE AND VENT PLAN**  
SCALE: 1/4" = 1'-0"  
Drawn By: SEP Checked: SWJ

**PROJECT NUMBER**  
20-0501

**SHEET NUMBER**  
P100

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**BUFFALO WINGS AND RINGS**  
 720 BYPASS ROAD  
 CAMPBELLVILLE, KY 42718



WINGS & RINGS

DRAWING ISSUE

NO.	DESCRIPTION	DATE
1	BID AND PERMIT	11/25/20

STAMP

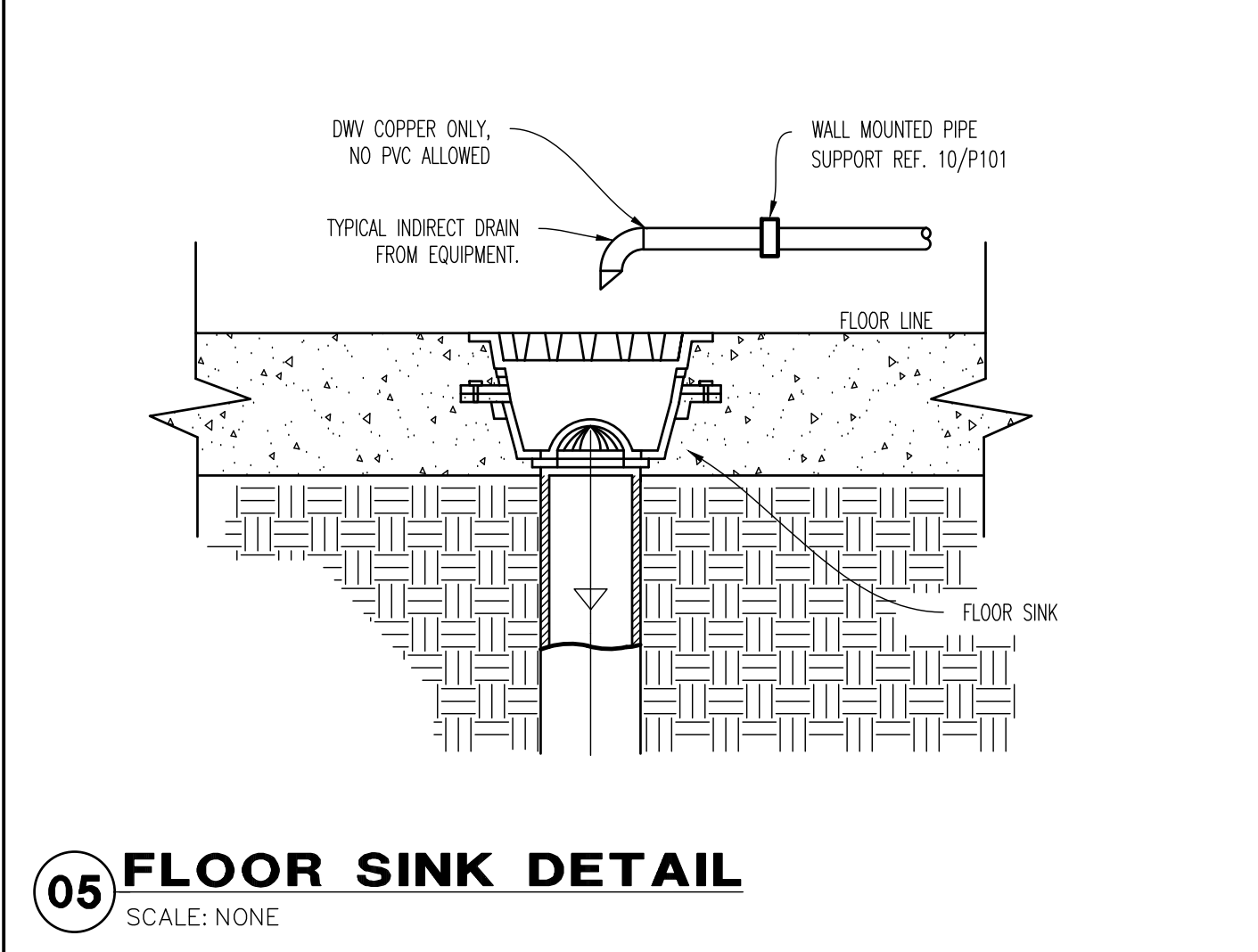
12.10.2020

SANITARY WASTE AND VENT DETAILS  
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 Drawn By: SEP Checked: SWJ

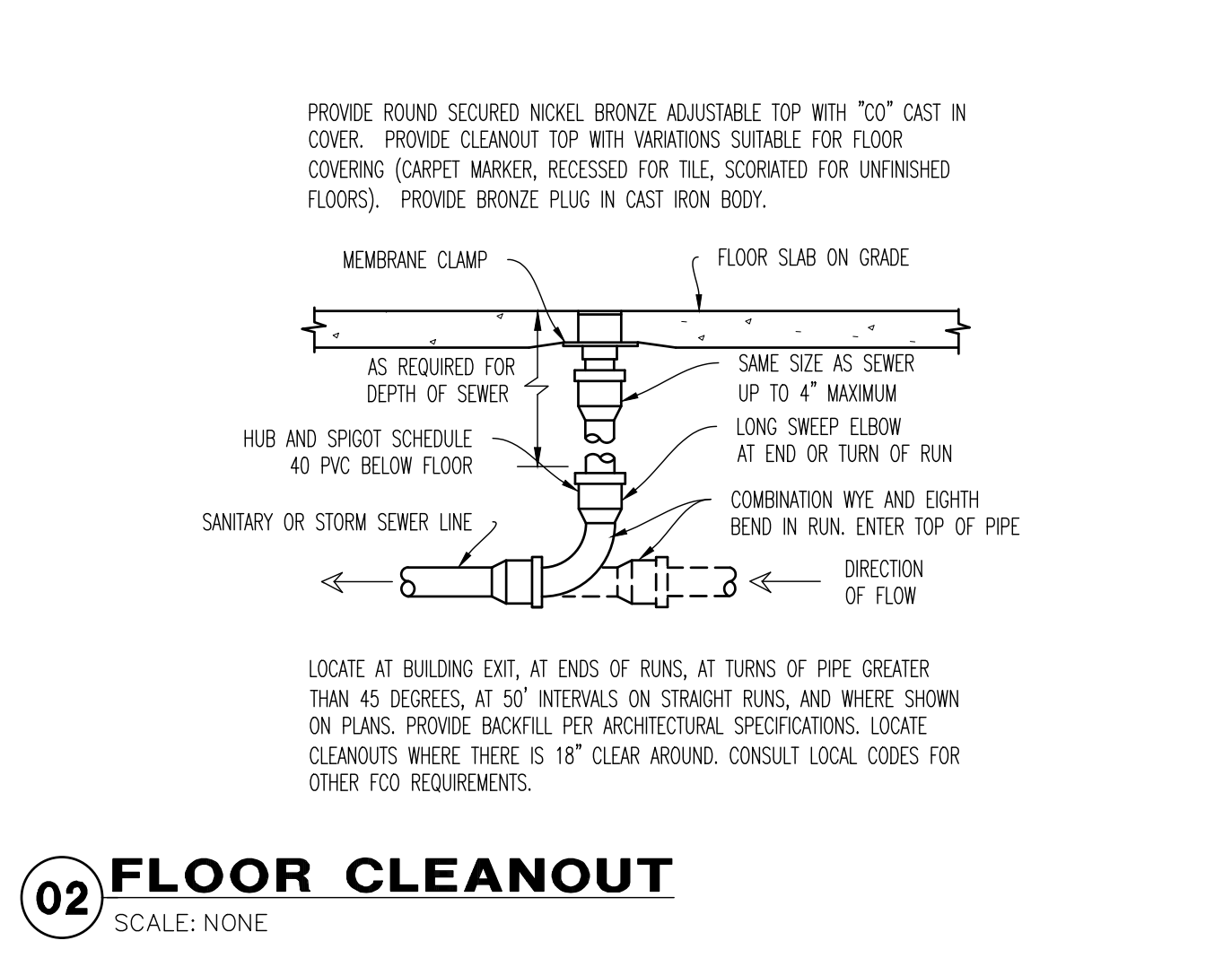
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SHEET NUMBER  
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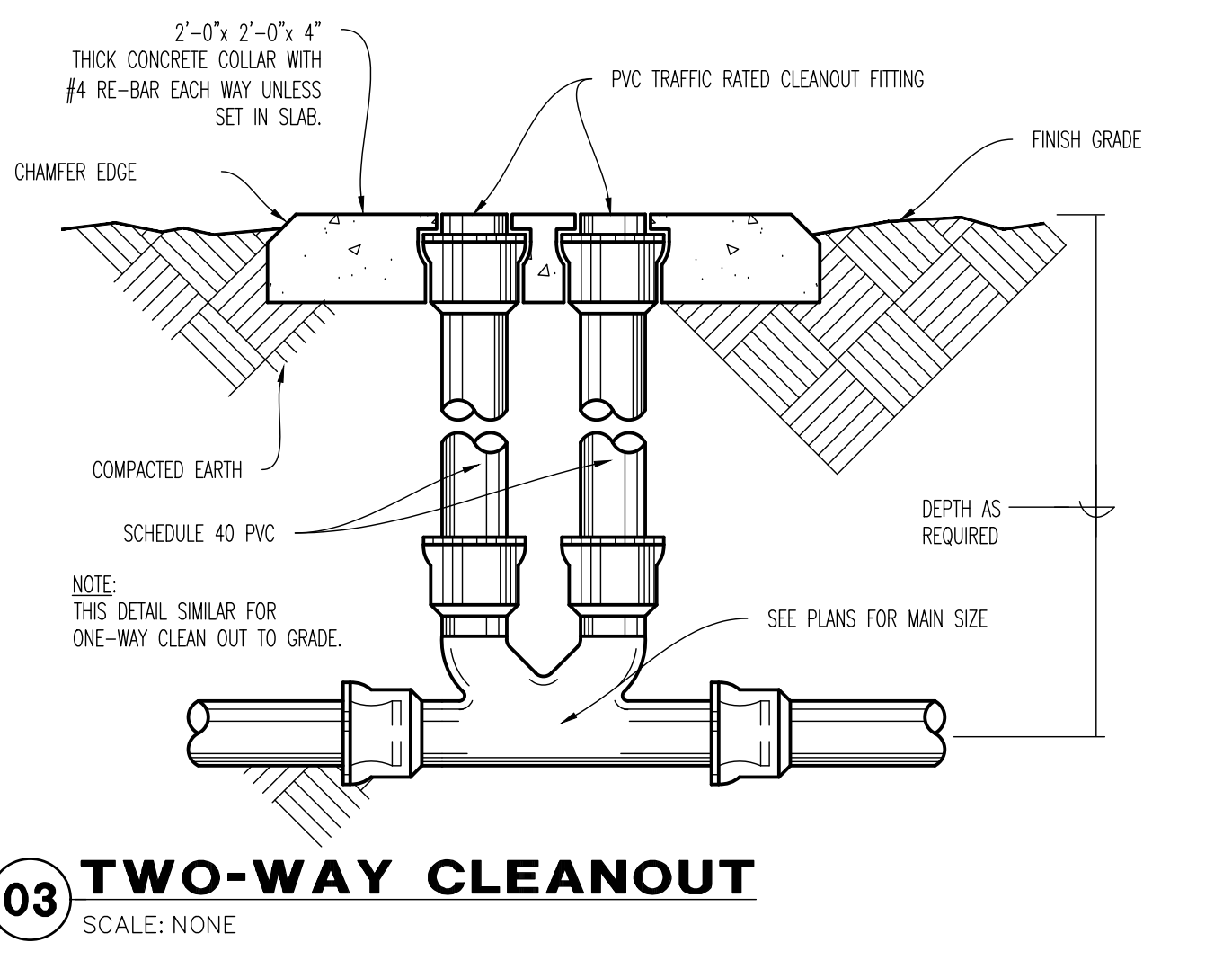
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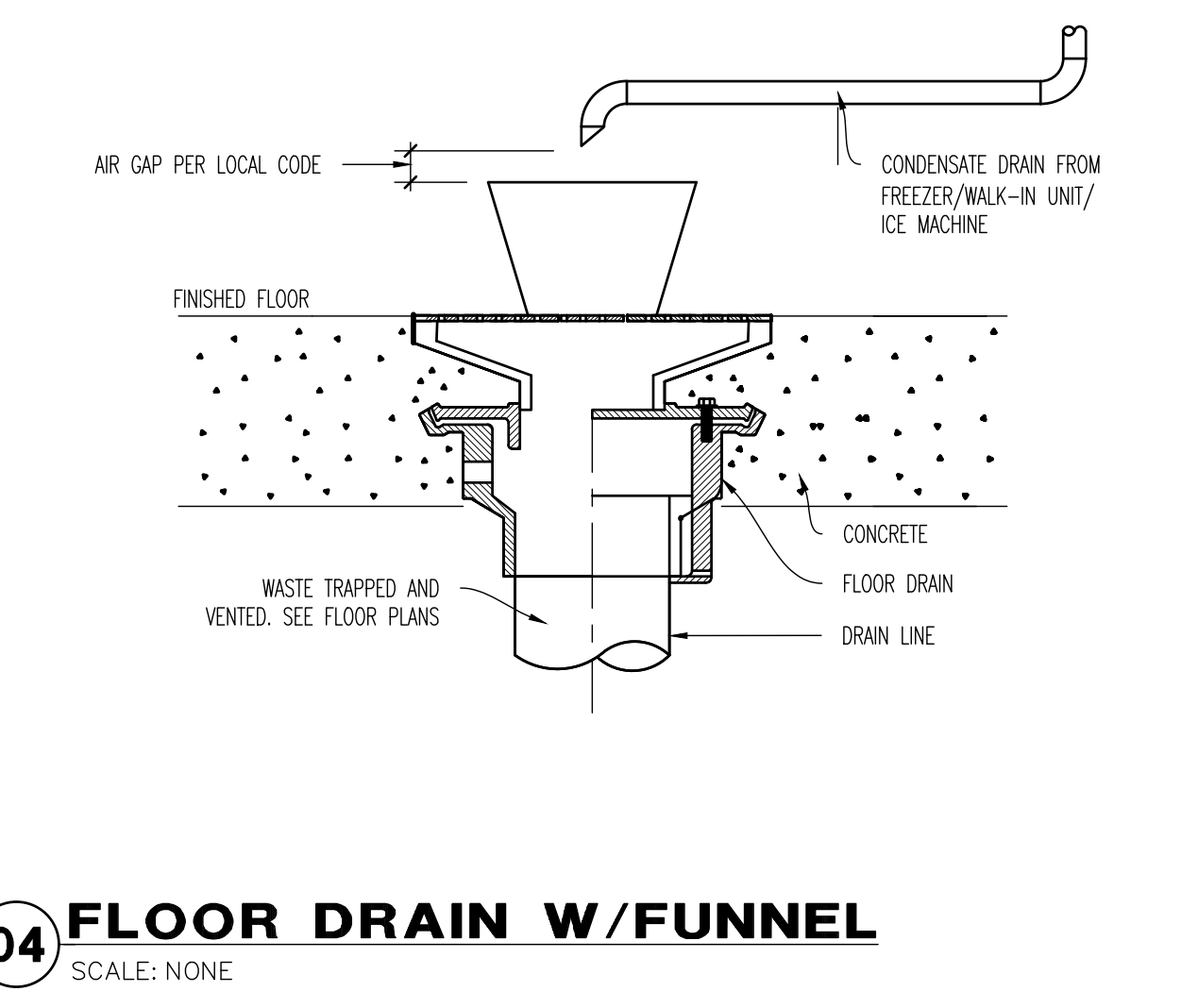
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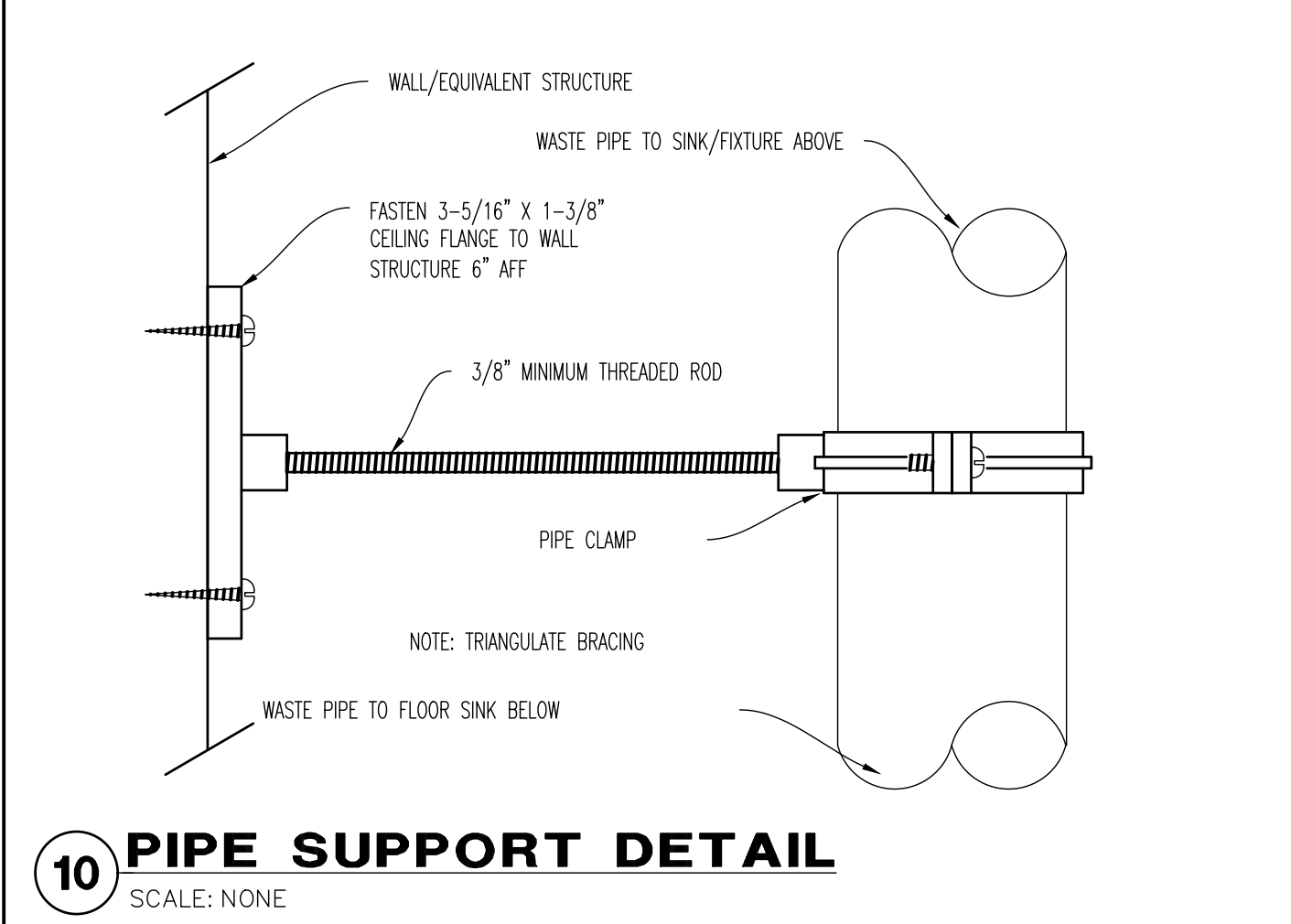
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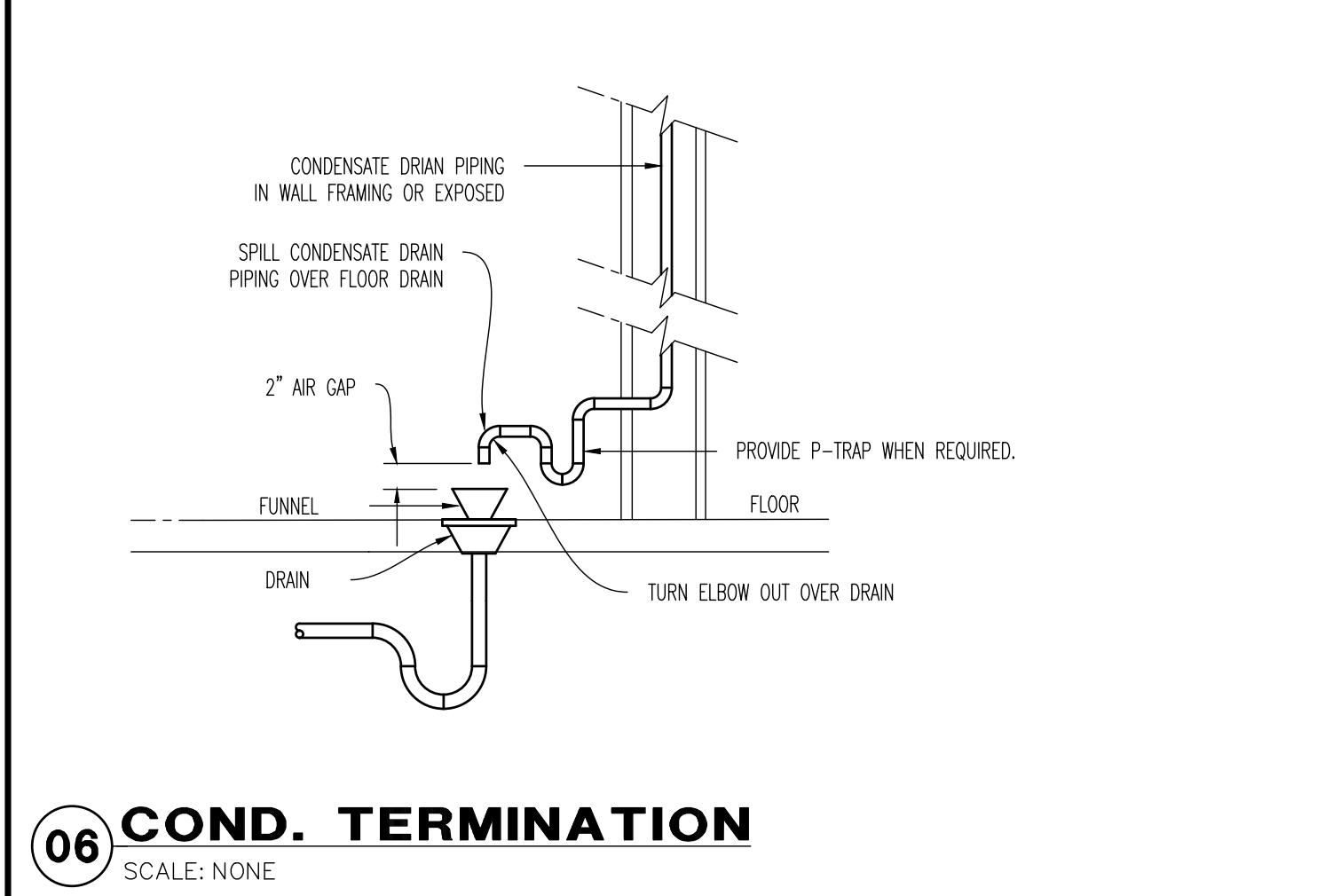
**03 TWO-WAY CLEANOUT**  
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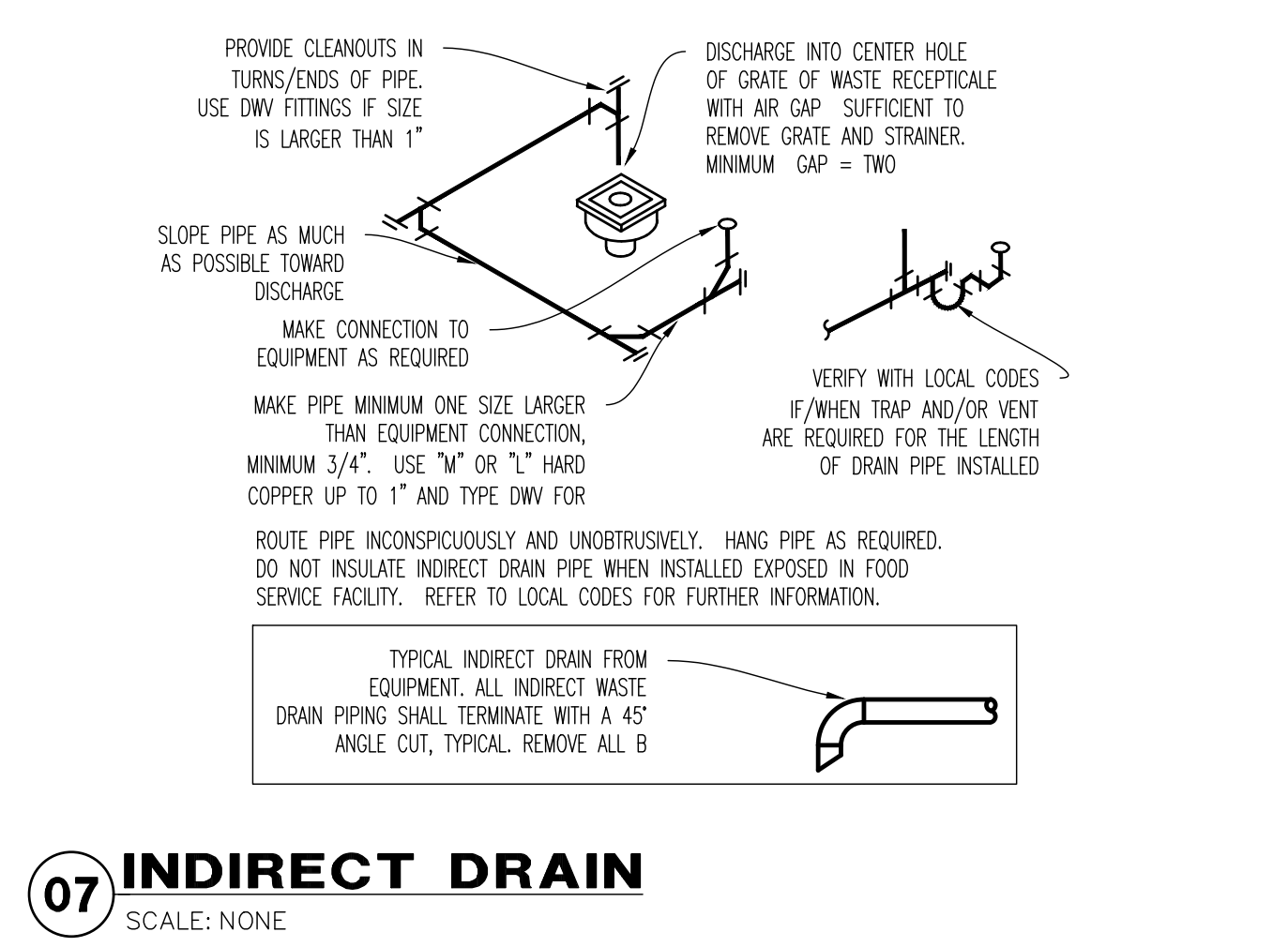
**04 FLOOR DRAIN W/FUNNEL**  
 SCALE: NONE



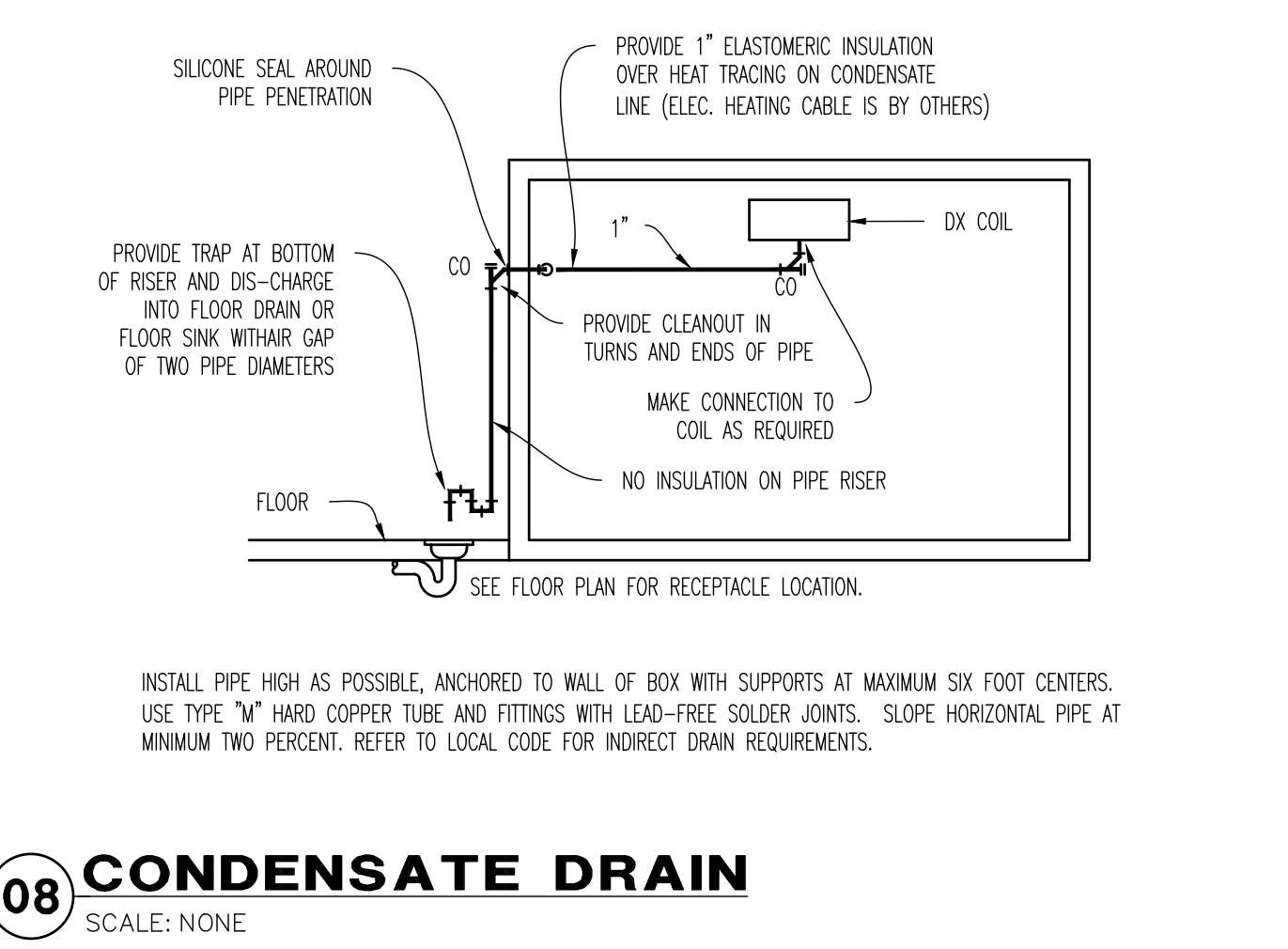
**05 FLOOR SINK DETAIL**  
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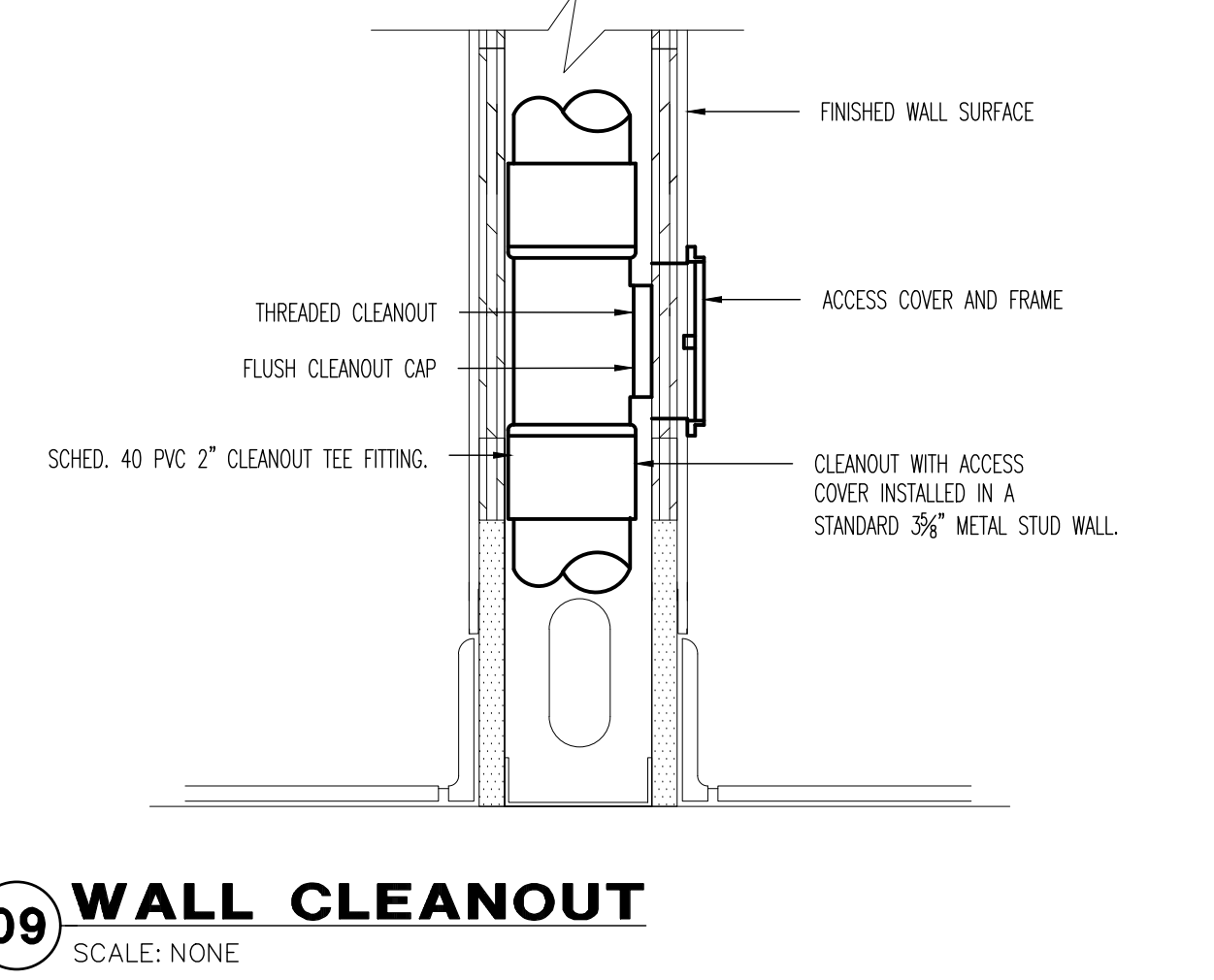
**06 COND. TERMINATION**  
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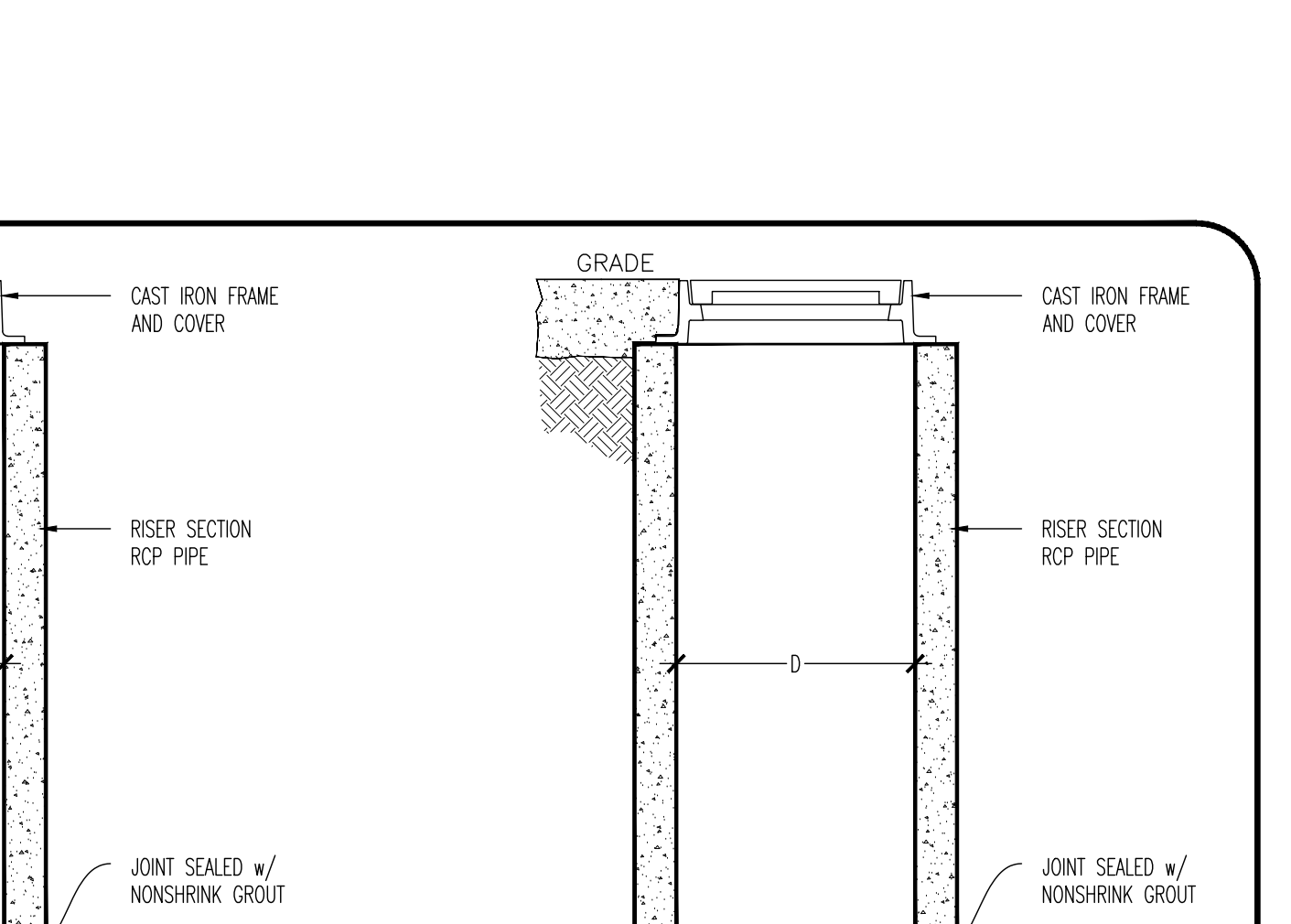
**07 INDIRECT DRAIN**  
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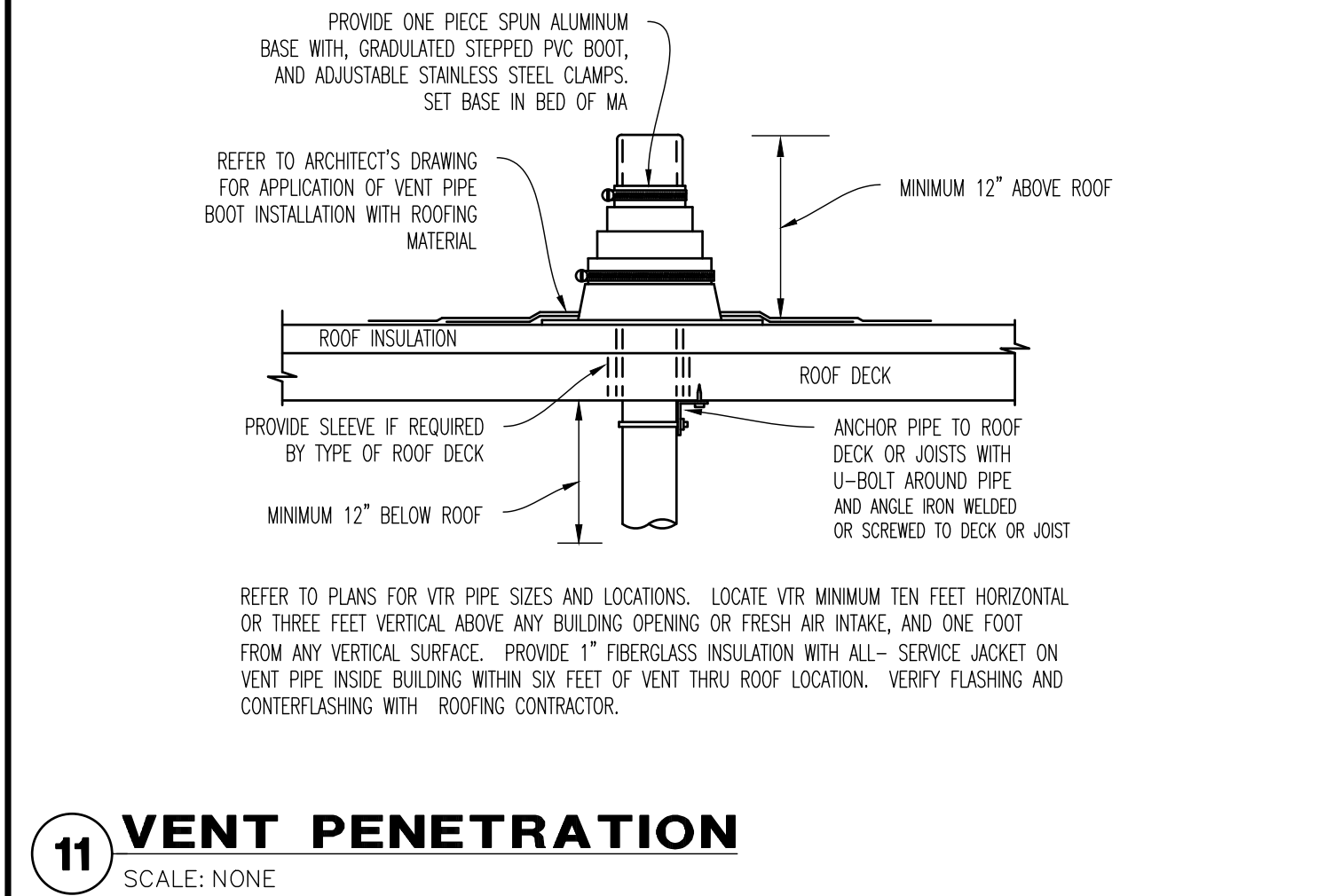
**08 CONDENSATE DRAIN**  
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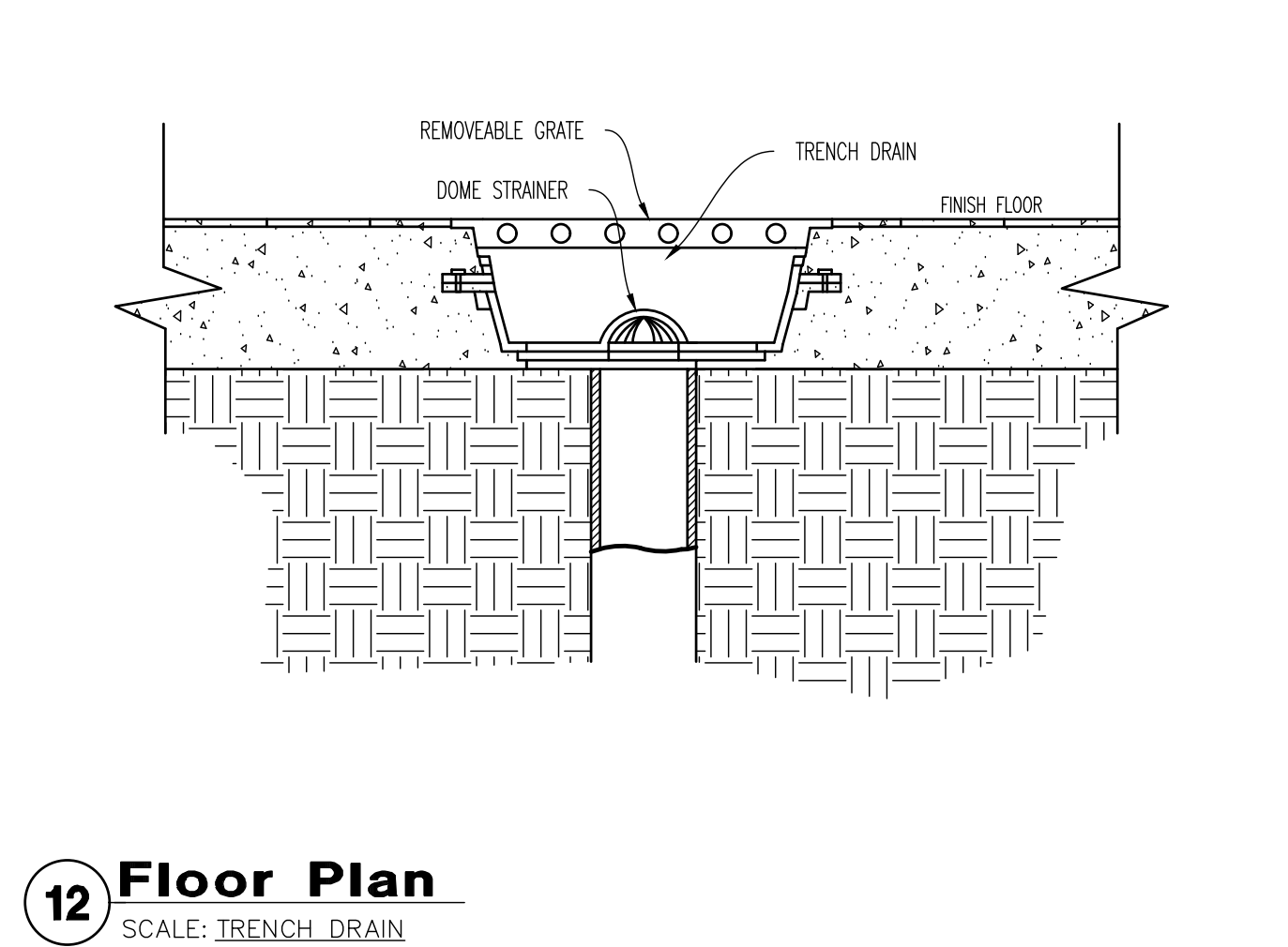
**09 WALL CLEANOUT**  
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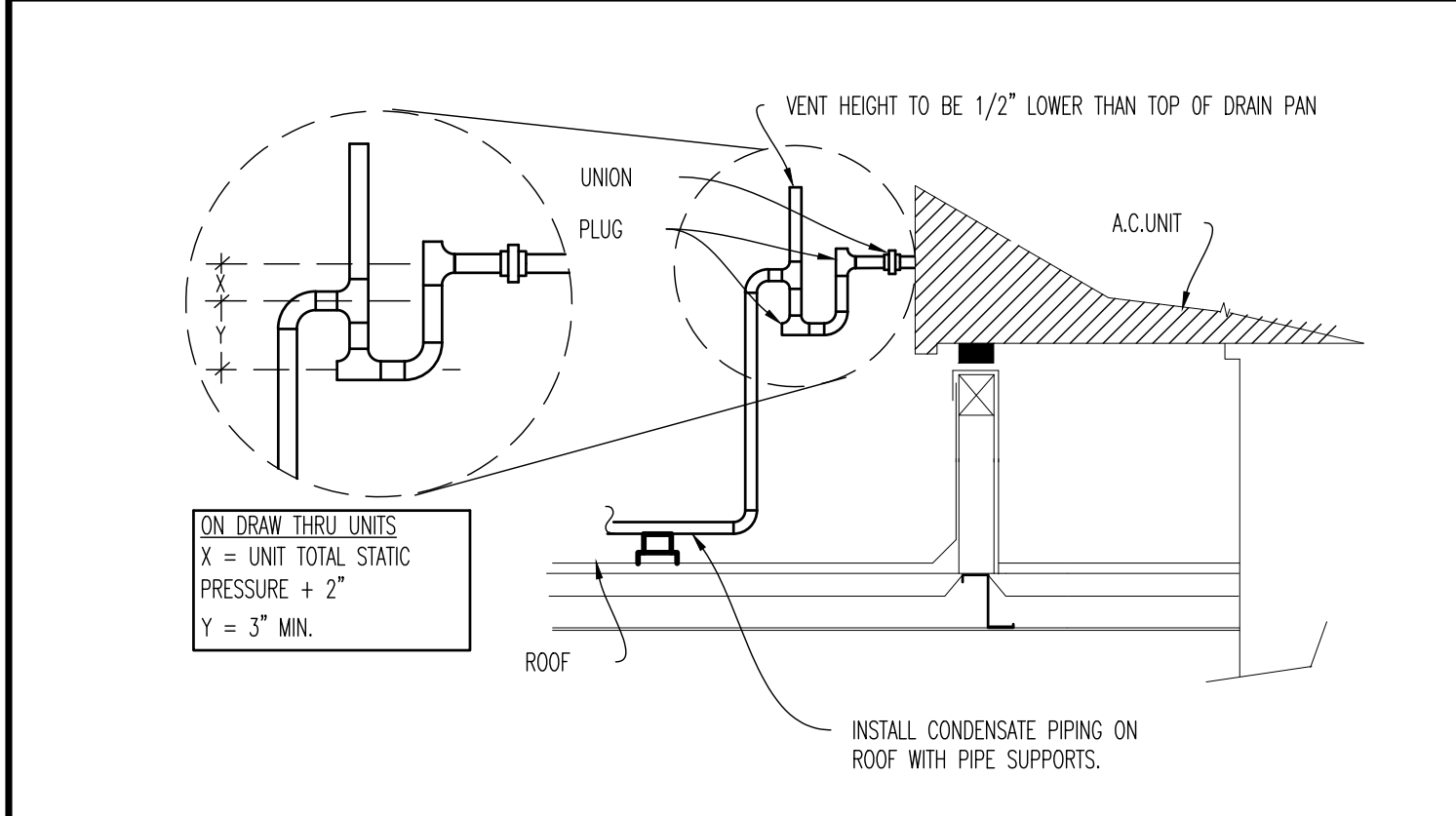
**10 PIPE SUPPORT DETAIL**  
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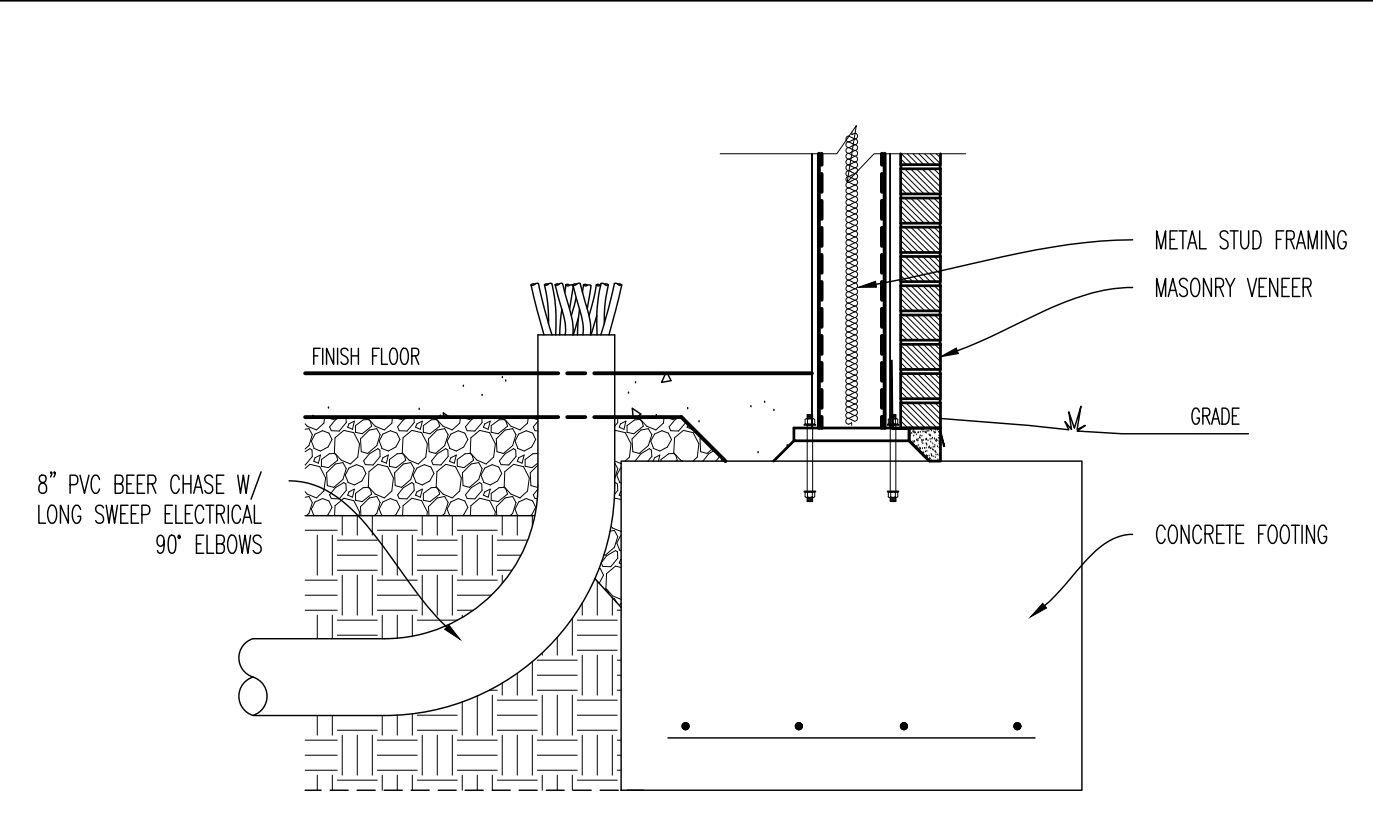
**11 VENT PENETRATION**  
 SCALE: NONE



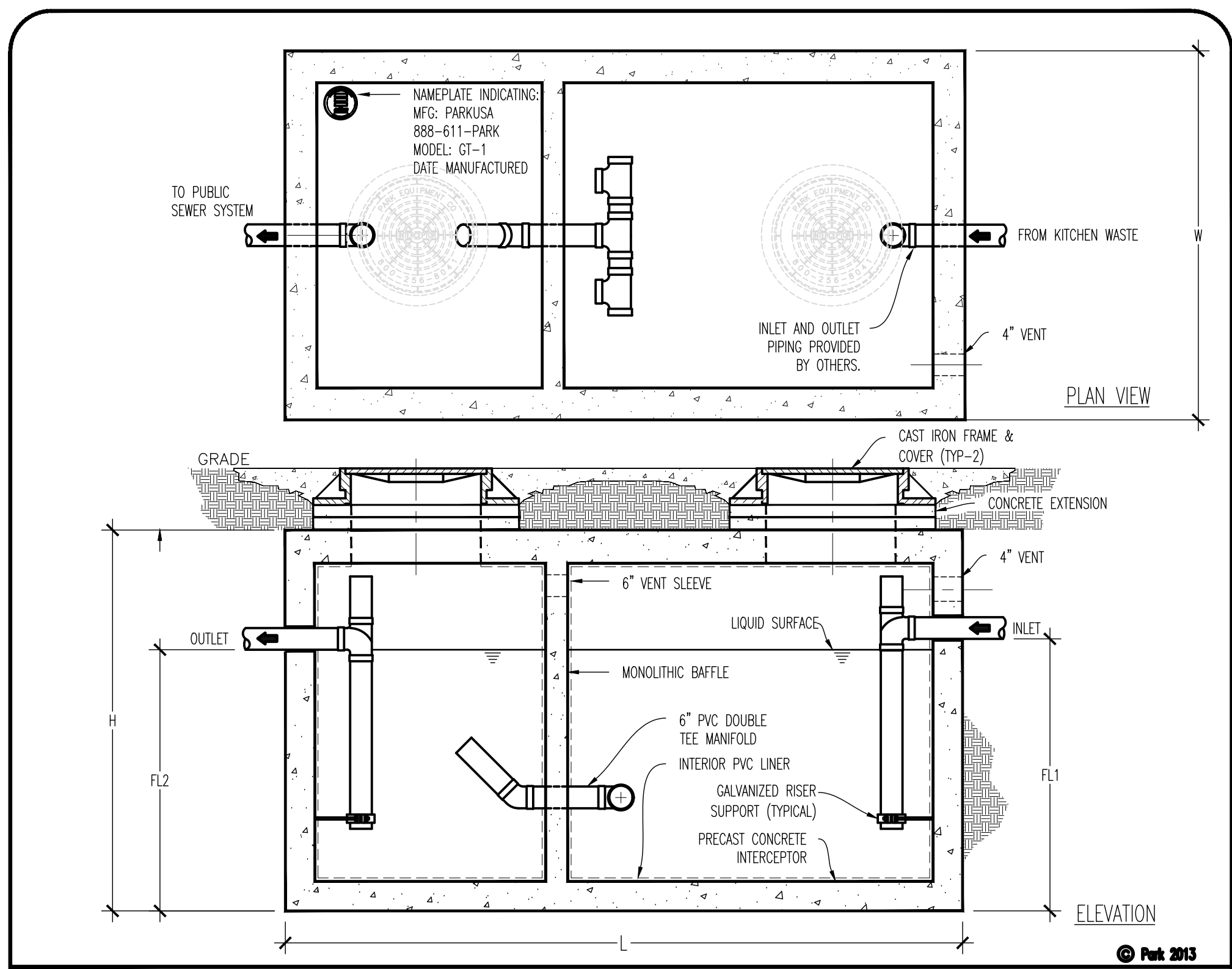
**12 Floor Plan**  
 SCALE: TRENCH DRAIN



**13 Floor Plan**  
 SCALE: CONDENSATE CONNECTION



**14 BEER CHASE AT EXTERIOR WALL**  
 SCALE: NONE



**Grease Tracker**

MODEL NO.	CAPACITY USGAL	GREASE CAP. (LBS)	EMPTY WT (LBS)	LENGTH L	WIDTH W	HEIGHT H	INLET FL1	OUTLET FL2
GT-500	500	1,200	9,500	7'-10"	4'-4"	4'-8"	5'-3"	5'-0"
GT-750	750	1,700	9,800	7'-10"	4'-4"	4'-8"	4'-8"	4'-8"
GT-1000	1,000	2,300	13,200	8'-4"	5'-0"	6'-0"	4'-8"	4'-8"
GT-1250	1,250	2,800	14,600	9'-2"	5'-8"	6'-0"	4'-8"	4'-8"
GT-1500	1,500	3,500	16,000	9'-2"	5'-8"	7'-0"	5'-8"	5'-8"
GT-2000	2,000	4,800	21,200	9'-0"	6'-0"	8'-0"	6'-4"	6'-4"
GT-2500	2,500	5,700	27,000	13'-0"	7'-0"	7'-0"	5'-8"	5'-8"
GT-3000	3,000	6,800	33,100	13'-0"	7'-0"	8'-0"	6'-4"	6'-4"
GT-3500	3,500	8,000	38,500	13'-0"	7'-0"	8'-4"	7'-3"	7'-0"
GT-4000	4,000	9,300	38,100	16'-0"	8'-6"	7'-0"	5'-8"	5'-8"

Typical applications include commercial and industrial food service kitchens where excessive grease may interfere with the proper drainage of the sewer system. The grease interceptor is generally buried below grade for gravity flow sewer systems. A sample well is utilized on the outlet side for sampling by the local water authority.

Specifications  
 CONCRETE: Class I/II concrete with design strength of 4500 PSI at 28 days. Unit is of monolithic construction at floor and first stage of wall and baffle with sectional riser to required depth. (Monolithic baffle required, slide-in type is not acceptable)  
 REINFORCEMENT: Grade 60 reinforced with steel rebar conforming to ASTM A615 on required centers or equal.  
 C.I. CASTINGS: Manhole frames, covers or grates are manufactured of grey cast iron conforming to ASTM A48-76 Class 30. Manhole shall be nominal 24 inch diameter and be traffic safe.

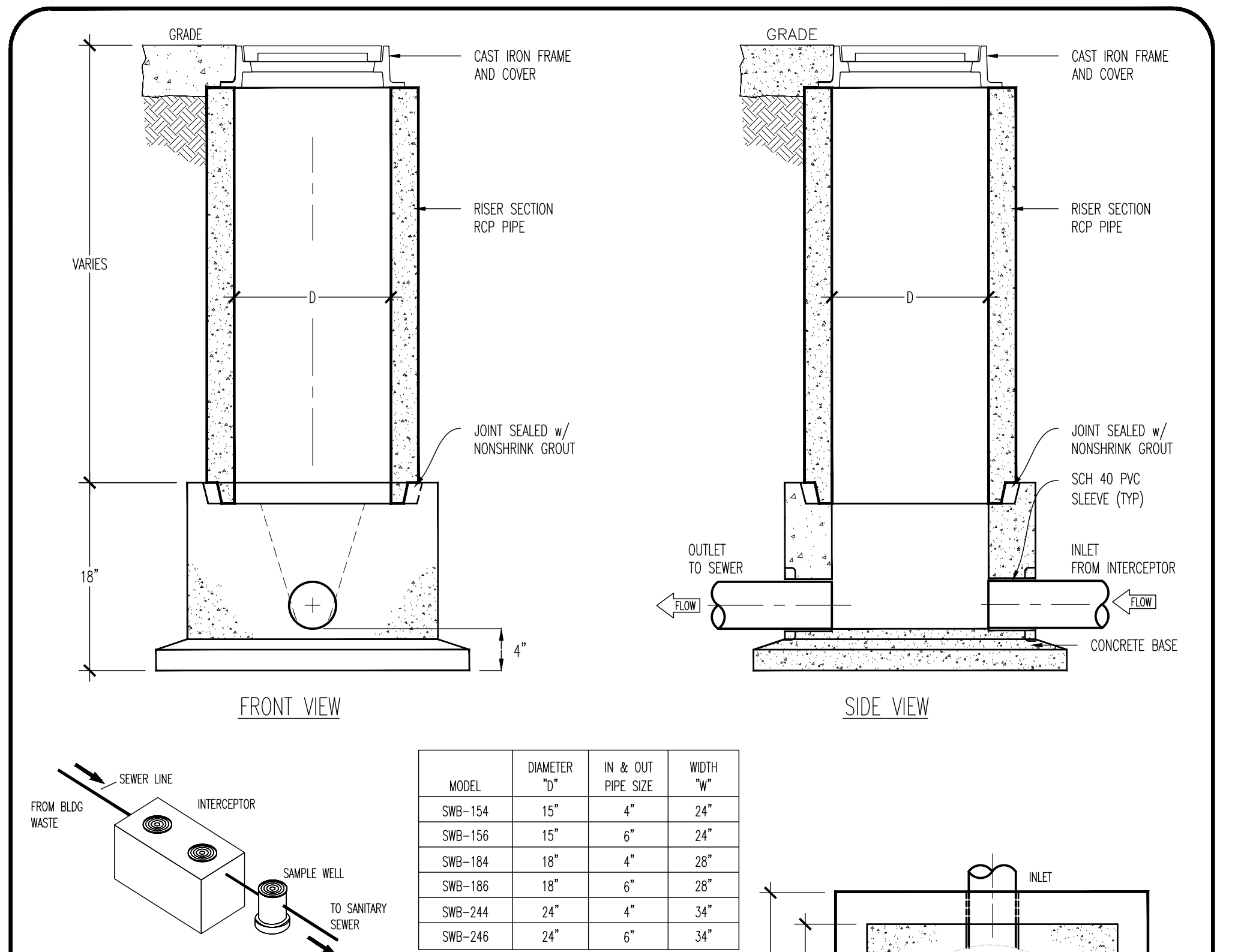
Engineering Data  
 The grease interceptor is structurally & hydraulically engineered to conform to UPC/IPC and regional plumbing codes recommended in most cities. Consult with local authorities for specific application requirements.  
 Show drawings shall include complete structural & buoyancy calculations certified by a licensed professional engineer sign return.  
 Consult with Park Equipment Company for exact excavation dimensions & shipping information.

© Pat 2013

SCALE	DATE	REV.
NONE	03/13	A

**GREASE INTERCEPTOR SERIES GT**  
 500 THRU 4000 GALLON CAPACITY

SCALE	DATE	REV.
NONE	03/13	A



**PARK USA**  
 Design for Water

888.611.7276  
 www.park-usa.com

**SAMPLE WELL BASIN**

SCALE	DATE	REV.
NONE	05/13	A

CONCRETE: Class I/II concrete with design strength of 4500 PSI at 28 days. Unit is of monolithic construction at floor and first stage of wall with sectional riser to required depth.  
 C.I. CASTINGS: Cast iron frames and grates are manufactured of grey cast iron conforming to ASTM A48-76 Class 30, heavy-duty ASHTRU H-20.

SCALE	DATE	REV.
NONE	05/13	A

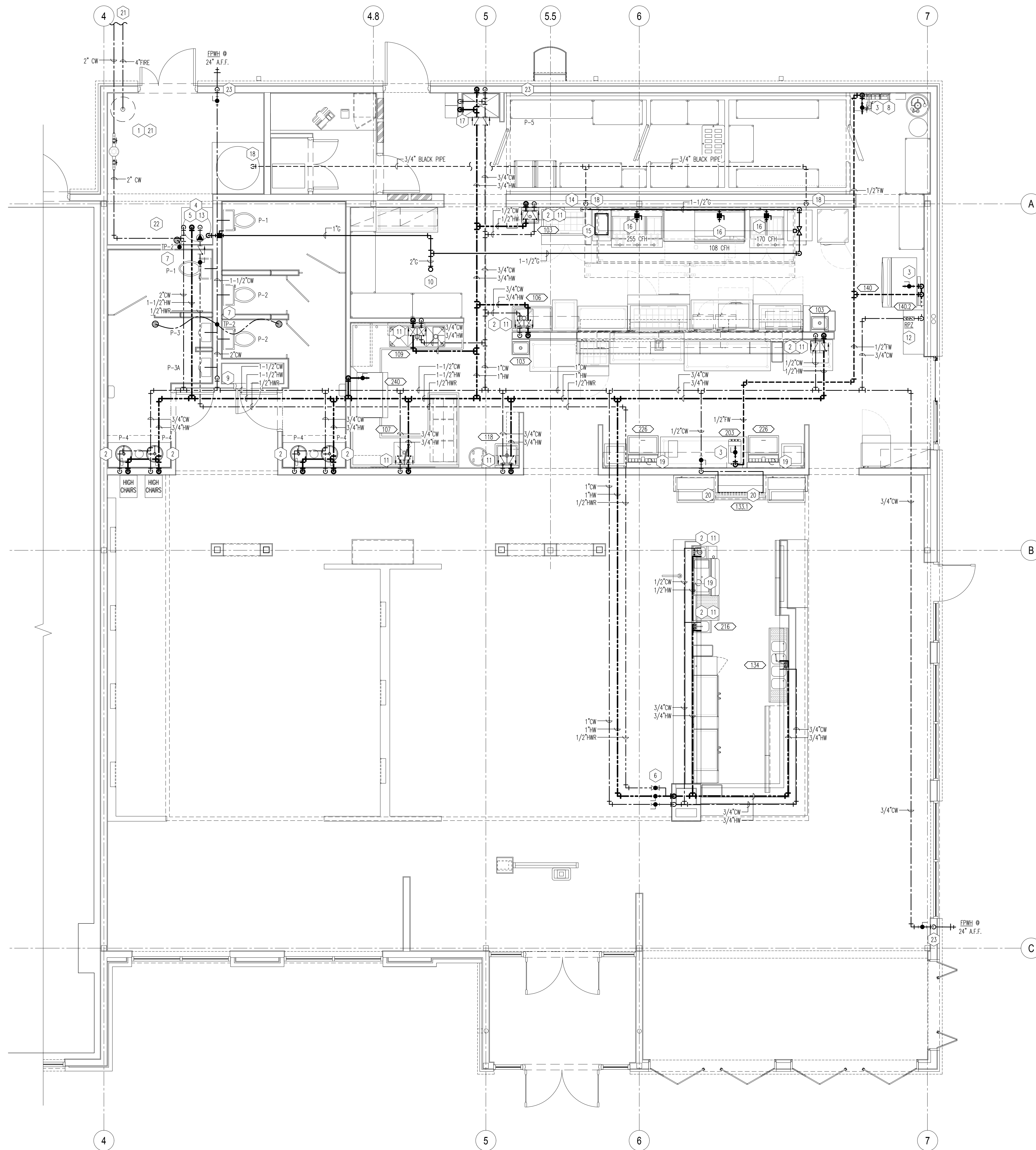
**17 GREASE INTERCEPTOR DETAIL**  
 SCALE: NONE

**15 NOT USED**  
 SCALE: NONE

**16 NOT USED**  
 SCALE: NONE

**17 GREASE INTERCEPTOR DETAIL**  
 SCALE: NONE

ORIGINAL PRINT SIZE - 30" X 42"



**01 DOMESTIC WATER AND GAS PLAN**  
SCALE: 1/4"=1'-0"

**GENERAL NOTES**

1. ALL WATER PIPING IN BUILDING ABOVE CEILING, IN WALLS, AND BELOW FLOORS SHALL BE INSULATED AS REQUIRED BY THE ICC ENERGY CONSERVATION CODE. INSULATE PIPING TO PROTECT FROM FREEZING AND PROVIDE SOUND PROOFING.
2. CONTRACTOR TO COORDINATE WITH ALL REQUIREMENTS OF FOOD SERVICE PLANS AND PROVIDE ALL WORK SHOWN, ON BOTH PLUMBING AND KITCHEN PLANS.
3. ALL WORK TO BE IN COMPLIANCE WITH PREVAILING CODES.
4. WATER LINES TO BE INSIDE OF WALLS, SURFACE MOUNTED WORK IS NOT ACCEPTABLE.
5. ALL WATER LINES TO BE VALVED AT STUB-IN LOCATIONS.
6. COOKING EQUIPMENT GAS PRESSURE TO BE 7" W.C. FOR NATURAL GAS.
7. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL A GAS SOLENOID VALVE WITH INTERLOCK TO EXHAUST VENTILATOR FIRE PROTECTION SYSTEM.
8. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL A CHECK VALVE IN CARBONATOR WATER SUPPLY LINE.
9. PROVIDE AND INSTALL PIPE HANGERS, FOR ALL PIPING SYSTEMS, SEE DETAIL ON SHEET P201.
10. WATER LINES TO BE PEX.
11. PROVIDE SLEEVE PIPING THROUGH FOUNDATIONS. SLEEVE PIPING SHALL BE TWO SIZES LARGER THAN WASTE PIPING.

**KEY NOTES**

1. 2" DOMESTIC WATER SERVICE TO BUILDING. CONTRACTOR TO INSTALL MAIN SHUT-OFF VALVE IF NONE EXISTS FOR BUILDING. INSTALL 2" RPZ VALVE. WATTS MDX. 800SS-07 ON WALL BETWEEN 24" MIN. AND 60" MAX A.F.F. PROVIDE AND INSTALL FULL SIZE DRAIN PIPING FROM RPZ TO FLOOR DRAIN. BELOW DRAIN LINE TO HAVE CODE APPROVED AIR-CAP. SEE CIVIL SITE UTILITY PLAN FOR CONTINUATION SERVICE LINE IN YARD.
2. INSTALL MIXING VALVE MV-1 BELOW FIXTURE. CONNECT TO SUPPLY PIPING AT FIXTURE, SET WATER TEMP. @ 110° F. SEE DETAIL SHEET P201.
3. 3/4" FILTERED WATER SUPPLY TO ICE MACHINE, TEA BREWER AND CARBONATORS. COORDINATE WITH EQUIPMENT SUPPLIER.
4. INSULATED 1-1/2" HOT & COLD WATER PIPING TO WATER HEATER TERMINATE T&P RELIEF DRAIN PIPING AT FLOOR DRAIN BELOW. TURN DOWN WITH 90° BENDS. SEE WATER HEATER DETAIL SHEET P201.
5. HOT WATER RECIRCULATING PUMP WITH 3/4" CONNECTIONS - GRUNDFOS MODEL NUMBER UP-43-75BF. RECIRCULATING PUMP TO BE CONTROLLED BY TIME CLOCK.
6. CIRCUIT SOLVER MODEL # CS-1/2-130 SELF-ACTUATING THERMOSTATIC RECIRCULATION VALVE. INSTALL ABOVE THE LAY-IN CEILING.
7. TRAP PRIMER VALVE TP-1 OR TP-2 FOR FLOOR DRAIN. TURN TRAP PRIMER LINE DOWN IN WALL AND EXTEND BELOW FLOOR TO DRAIN. SEE TRAP PRIMER VALVE DETAILS FOR TP-1 & TP-2 ON PLUMBING DETAIL SHEET P201.
8. WATER SUPPLY TO CARBONATORS PROVIDED THRU A STAINLESS STEEL RPZ VALVE ON WATER FILTER SYSTEM. RPZ VALVE PROVIDED AND INSTALLED BY BEVERAGE VENDOR. VERIFY RPZ MEETS ASSE 1013 CERTIFICATION. PLUMBER SHALL PROVIDE AND INSTALL RPZ IF NOT PROVIDED WITH BEVERAGE PACKAGE. COORDINATE WITH BEVERAGE VENDOR PRIOR TO ANY PURCHASES.
9. 1-1/2" COLD WATER DOWN IN WALL TO TOILET ROOM FIXTURES. PROVIDE ISOLATION SHUT-OFF VALVE IN WALL BEHIND ACCESS PANEL.
10. GAS PIPING DOWN FROM ROOF TO EQUIPMENT. PENETRATE ROOF WITH WATER TIGHT PIPE SLEEVE. COORDINATE WITH ROOFING CONTRACTOR. SEE DETAIL ON SHEET P201. REFER TO SHEET ME100 FOR GAS LINE CONTINUATION ON ROOF AND GAS METER LOCATION.
11. INSTALL CHECK VALVES ON WATER SUPPLY LINES TO FIXTURE/OR EQUIPMENT. CHECK VALVES TO BE ABOVE CEILING OR AT FIXTURE SUPPLY.
12. WATER SUPPLY TO WATER FILTER EQUIPMENT. INSTALL WATTS MODEL NUMBER 009-SS RPZ BFP WITH 7" STRAINER. INSTALL VALVE AT A SERVICEABLE HEIGHT ON WALL PRIOR TO CONNECTION AT WATER FILTER EQUIPMENT. TERMINATE RPZ DRAIN FULL SIZE AT FLOOR DRAIN BELOW WITH CODE REQUIRED AIR-CAP.
13. GAS PIPING DOWN TO WATER HEATER TO MAKE FINAL CONNECTION. SEE WATER HEATER DETAIL ON SHEET P201.
14. GAS PIPING TO COOK LINE. PROVIDE ISOLATION SHUT-OFF VALVE AND DRY LEG AT HEADER. SEE GAS RISER DIAGRAM. PAINT ALL EXPOSED PIPING ON WALL AND BEHIND COOK LINE BLACK. HUG PIPING TIGHT TO HOOPS.
15. PROVIDE GAS SOLENOID VALVE BELOW CEILING FOR COOKING EQUIPMENT. INTERLOCK WITH ANSUL FIRE PROTECTION SYSTEM AT HOOD. SEE DETAIL ON SHEET P201.
16. GAS CONNECTION POINTS FOR KITCHEN EQUIPMENT. PROVIDE AND INSTALL QUARTER TURN GAS COCK, AND QUICK DISCONNECT ADAPTER.
17. WATER SUPPLY TO MOP SINK AND ECOLAB EQUIPMENT WITH TMW AND RPZ. INSTALL CHECK VALVES ON WATER SUPPLY PIPING FOR THIS EQUIPMENT. SEE ECOLAB WATER SUPPLY DETAIL ON SHEET P201 FOR PIPING.
18. GREASE WASTE RECOVERY LINE FROM FRYERS TO RECOVERY UNIT FURNISHED AND INSTALLED BY OWNER. SLOPE PIPING TO DRAIN (1/4" PER FOOT MIN.) BACK TO HOLDING TANK. ELECTRICAL CONTRACTOR TO PROVIDE HEAT TRACE. INSTALL PER MANUFACTURERS INSTRUCTIONS. TERMINATE BELOW FRY DRAIN CONNECTIONS AT COOKLINE. COORDINATE CONNECTION WITH EQUIPMENT VENDOR. DRAIN PIPING AT FRYERS BY OTHERS. SEE EQUIPMENT SCHEDULE FOR INFO.
19. FILTERED WATER SUPPLY TO EQUIPMENT THRU SODA BUNDLE BY SODA EQUIPMENT VENDOR TYPICAL. FILTERED WATER SUPPLY TO EQUIPMENT THRU SODA BUNDLE BY SODA EQUIPMENT VENDOR TYPICAL. REFER TO CIVIL PLANS FOR CONTINUATION.
20. 3/8" JOHN GUEST INLET REQUIRED FOR WATER CONNECTION TO DRAIN PAN RINSE.
21. REFER TO CIVIL PLANS FOR CONTINUATION.
22. CONTRACTOR TO PROVIDE ALTERNATE BID FOR THE SUPPLY AND INSTALLATION OF A LANDSCAPE IRRIGATION SYSTEM. COORDINATE ALTERNATE BID WITH ARCHITECTURAL LANDSCAPING PLANS. SYSTEM TO INCLUDE BUT NOT LIMITED TO, DEDUCT METER AND BACKFLOW PREVENTION PER LOCAL AUTHORITIES.
23. WATER LINES IN EXTERIOR WALL TO BE INSULATED.

**PLUMBING SYMBOL LEGEND**

- KITCHEN EQUIPMENT IDENTIFICATION TAGS AND DETAIL KEYS. SEE EQUIPMENT PLANS FOR ITEMS SHOWN WITH THESE MARKINGS ON THIS SHEET, AND A COMPLETE LIST OF EQUIPMENT FOR THIS PROJECT.
- COLD WATER
  - 140°F HOT WATER
  - 140°F HOT WATER RETURN
  - OPVC WATER TO FILTERS
  - ⊠ CHECK VALVE
  - ⊠ REDUCED PRESSURE ZONE BACKFLOW PREVENTION DEVICE
  - ⊠ SHUT-OFF VALVE
  - ⊠ QUARTER TURN BALL VALVE
  - ⊠ FPMW FREEZE PROOF WALL HANGART
  - ⊠ GAS SOLENOID VALVE
  - ⊠ TP-X TRAP PRIMER VALVE
  - ⊠ GAS COCK (VALVE)

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720 BYPASS ROAD  
CAMPBELLVILLE, KY 42718



DRAWING ISSUE	DATE	11/25/20
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12/1/2020

**DOMESTIC WATER AND GAS PLAN**  
SCALE: 1/4" = 1'-0"  
Drawn By: SEP Checked: SWJ

**PROJECT NUMBER**  
20-0501

**SHEET NUMBER**  
**P200**



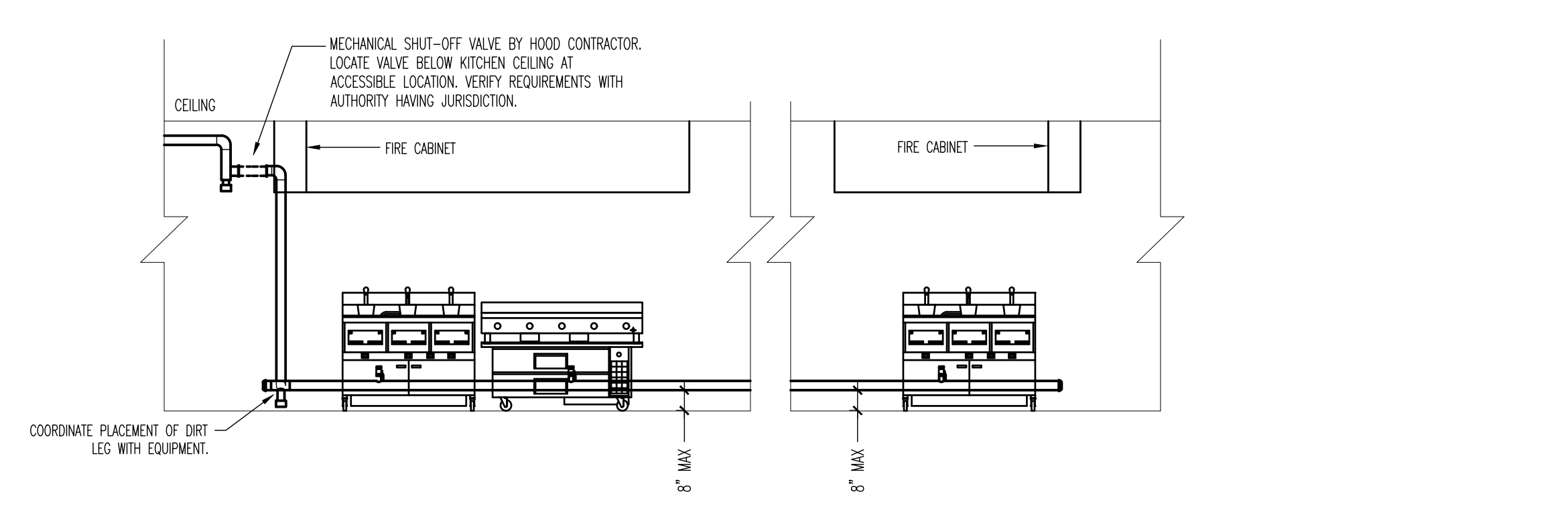
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NO.	DESCRIPTION	DATE
	BID AND PERMIT	11/25/20

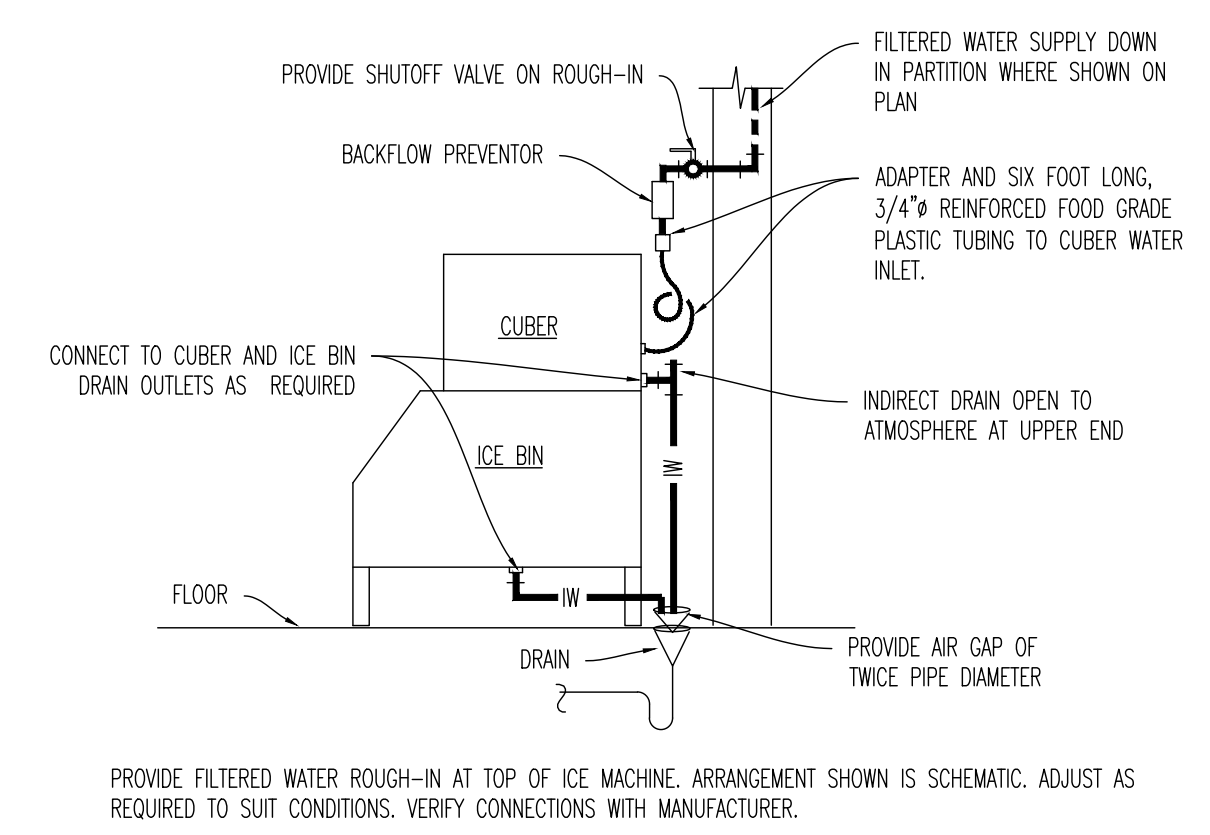
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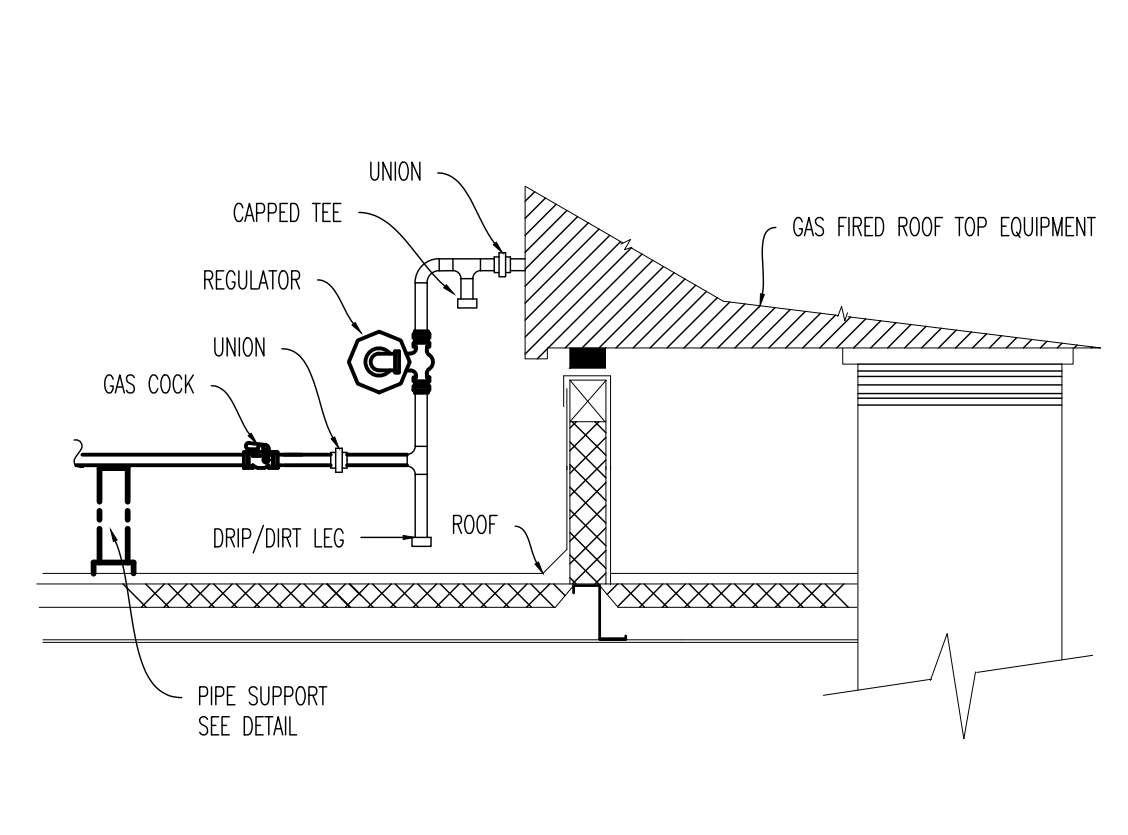
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**P201**



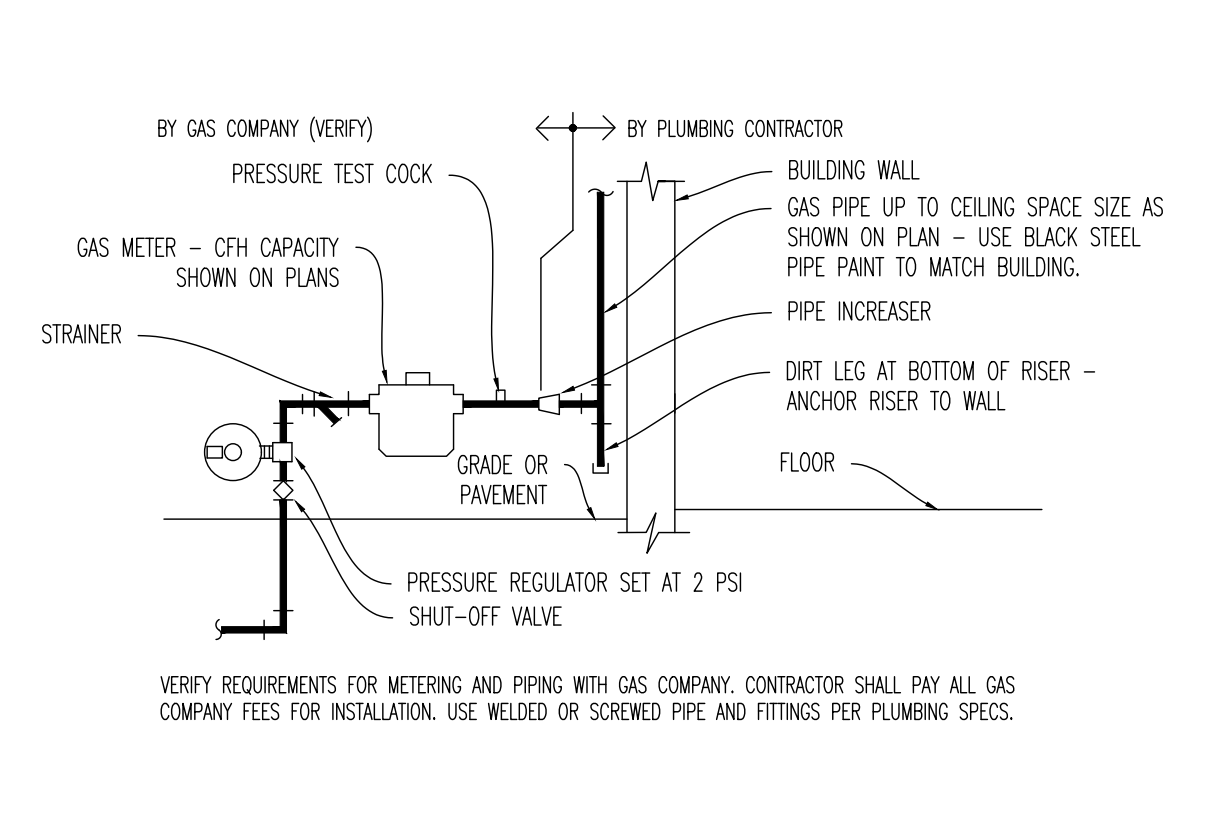
**11 GAS DISTRIBUTION AT COOK LINE**  
 SCALE: NONE



**12 ICE MACHINE SUPPLY**  
 SCALE: NONE



**17 RTU GAS CONNECTION**  
 SCALE: 1/8"



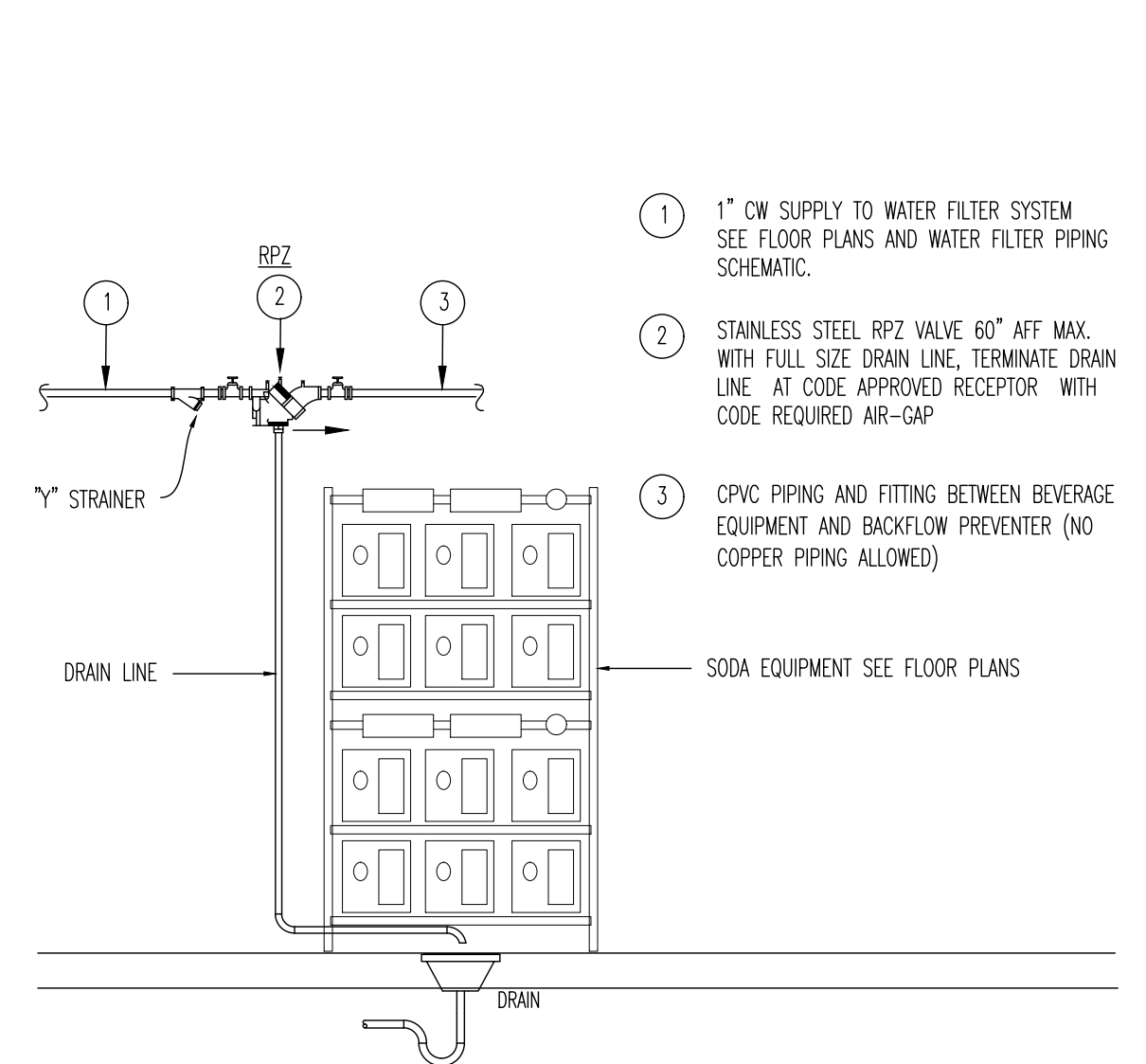
**13 GAS METER DETAIL**  
 SCALE: NONE

IF HORIZONTAL BRANCH IS LESS THAN 20' LONG, PROVIDE ONE HA AT END OF LINE. IF BRANCH IS GREATER THAN 20' LONG, PROVIDE ANOTHER HA IN MIDDLE, EACH SIZED FOR HALF THE FIXTURE UNITS.

POI SIZE "A"	PIPE SIZE	FIXTURE UNIT LOAD	FIXTURE UNIT TABULATION	
			COLD	HOT
HA-	A 1/2"	1-11	VALVE WATER CLOSET	10
HA-	B 3/4"	12-32	TANK WATER CLOSET	5
HA-	C 1"	33-60	URINAL	5
HA-	D 1-1/4"	61-113	LAVATORY/SINK	1.5
HA-	E 1-1/2"	114-154	JANITOR'S SINK	3
HA-	F 2"	154-330	SHOWER/BATHUB	2

PC TO PROVIDE WATER HAMMER ARRESTERS BY SIOUX CHEF, PRECISION PLUMBING PRODUCTS, WAITS OR APPROVED EQUIVALENT WITH PISTON AND O-RING CONSTRUCTION, HAVING POI #WH-201, ASSE #1010 AND ANSI #A112.26.1M CERTIFICATION. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. INSTALL IN LINE WITH WATER FLOW DIRECTION IF POSSIBLE. SIZE THE UNITS AS SHOWN ON THE DRAWINGS AND/OR PER THE TABLES SHOWN ABOVE. PROVIDE ACCESS PANEL FOR SERVICING OR REPLACEMENT, WHERE REQUIRED.

**17 HAMMER ARRESTERS**  
 SCALE: NONE



**14 BEVERAGE SYSTEM B.F.P.**  
 SCALE: NONE

PIPESTAND GAS PIPING

PIPING SHALL BE SUPPORTED AT ALL ELBOWS AND TEES AND AT SPACING SPECIFIED IN TABLE BELOW. PIPING SHALL BE SLOPED AND ROUTED TO PREVENT TRAPPING CONDENSATE (EXCEPT AT DIRT LEGS) AND TO FACILITATE CONDENSATE DRAINAGE.

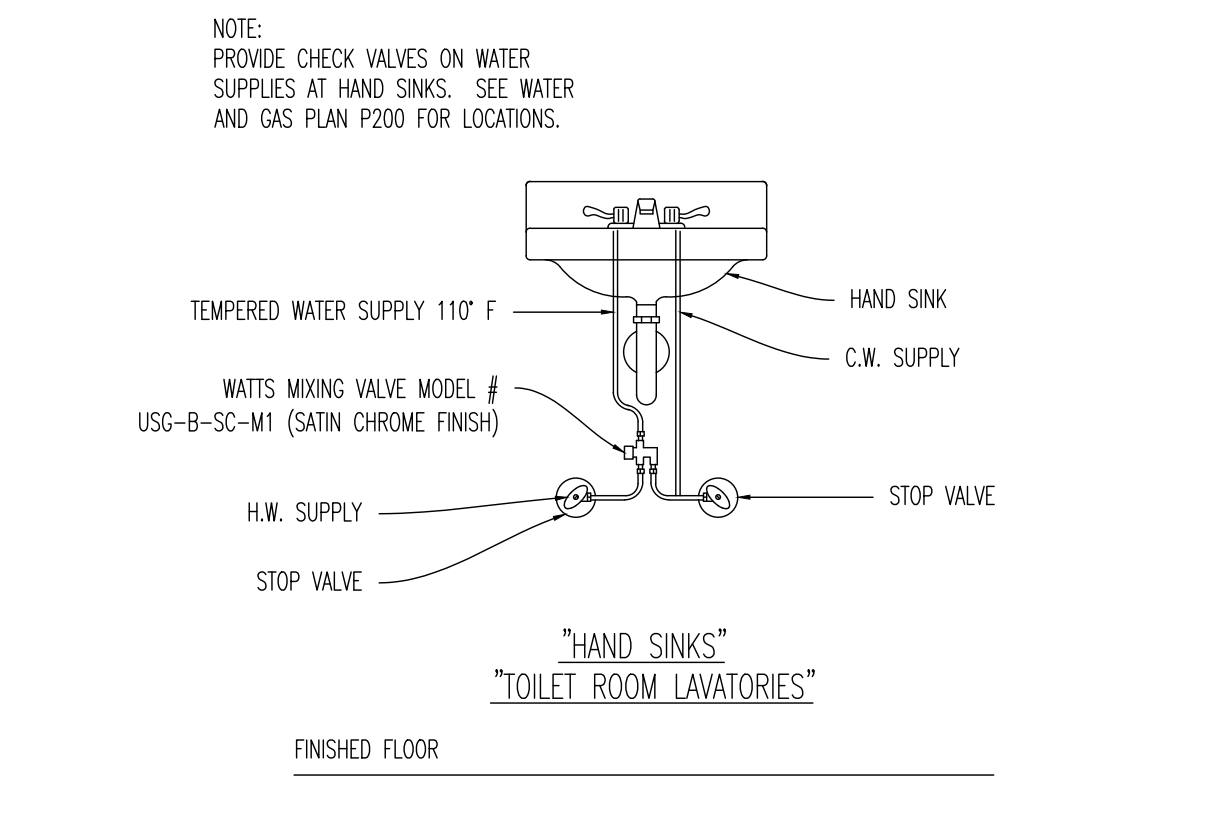
GAS PIPING AND PENETRATIONS THRU ROOF SHALL BE AS CALLED FOR IN SPECIFICATIONS, SECTION 15 OR AS REQUIRED BY LOCAL CODES.

PIPESTAND SHALL BE MRO, INC. "POLYBLOCK" MODEL 15 (UP TO 1 1/2"), 3-R (UP TO 3"), AND 4-R & 4-RAH FOR 4", 6-RAH (5" TO 6"), DO NOT ATTACH PIPESTANDS TO ROOF.

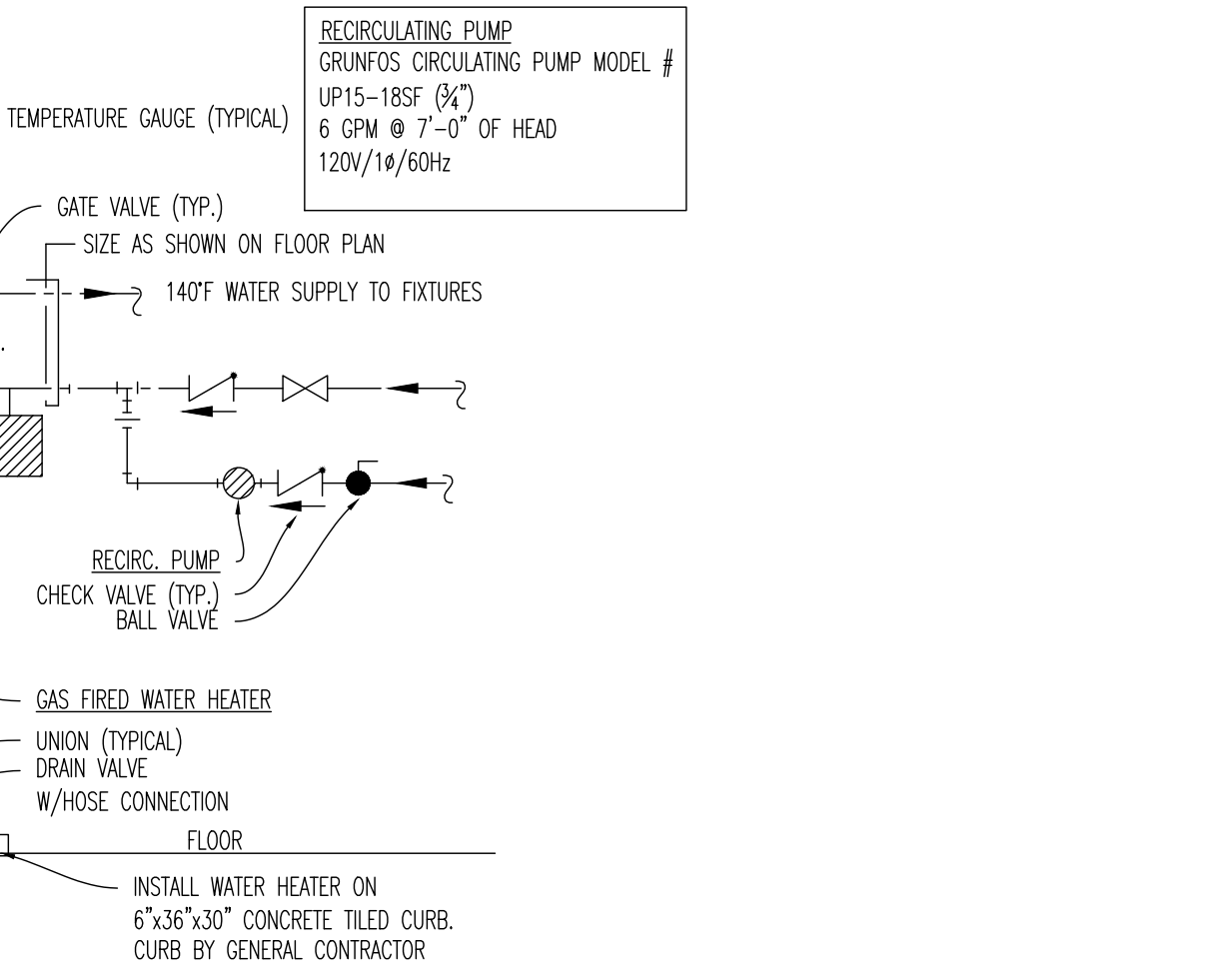
PIPE SIZE	MODEL NO.	MAX SPACING
3/4"	1-5	6'
1"	1-5	7'
1 1/4"	1-5	8'
1 1/2"	1-5	10'
2"	3-R	10'
2 1/2"	3-R	15'
3"	3-R	15'
4"	4-R & 4-RAH	9'
5"	6-RAH	13'
6"	6-RAH	10'

MRO INDUSTRIES, INC. (800) 768-8978  
 PARKWAY INDUSTRIAL PARK  
 586 WEST 8300 SOUTH  
 SANDY, UTAH 84070

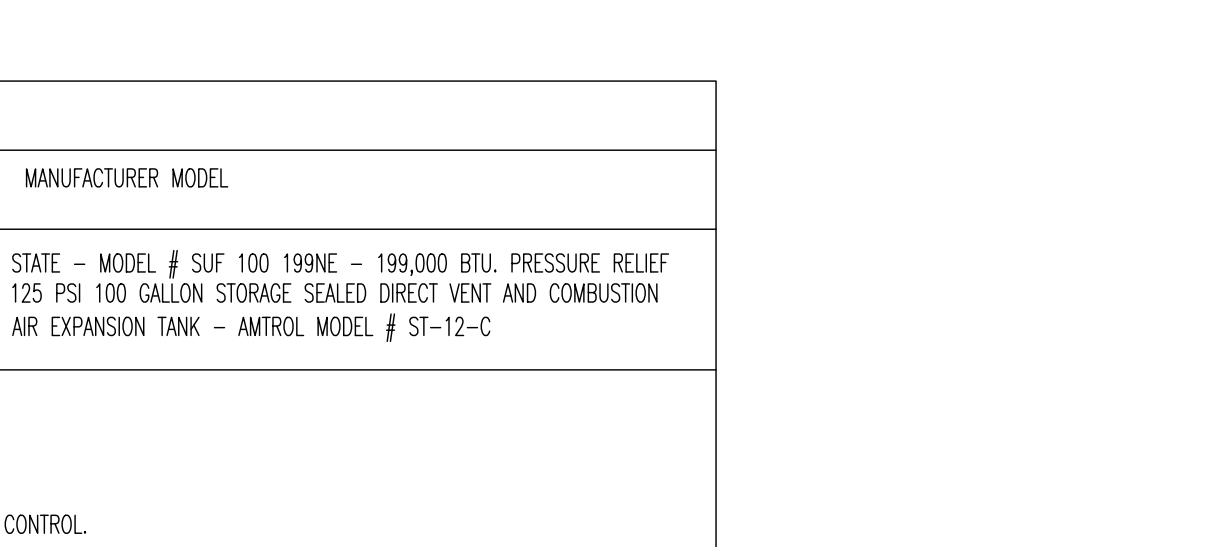
**18 GAS SUPPORT DETAIL**  
 SCALE: NONE



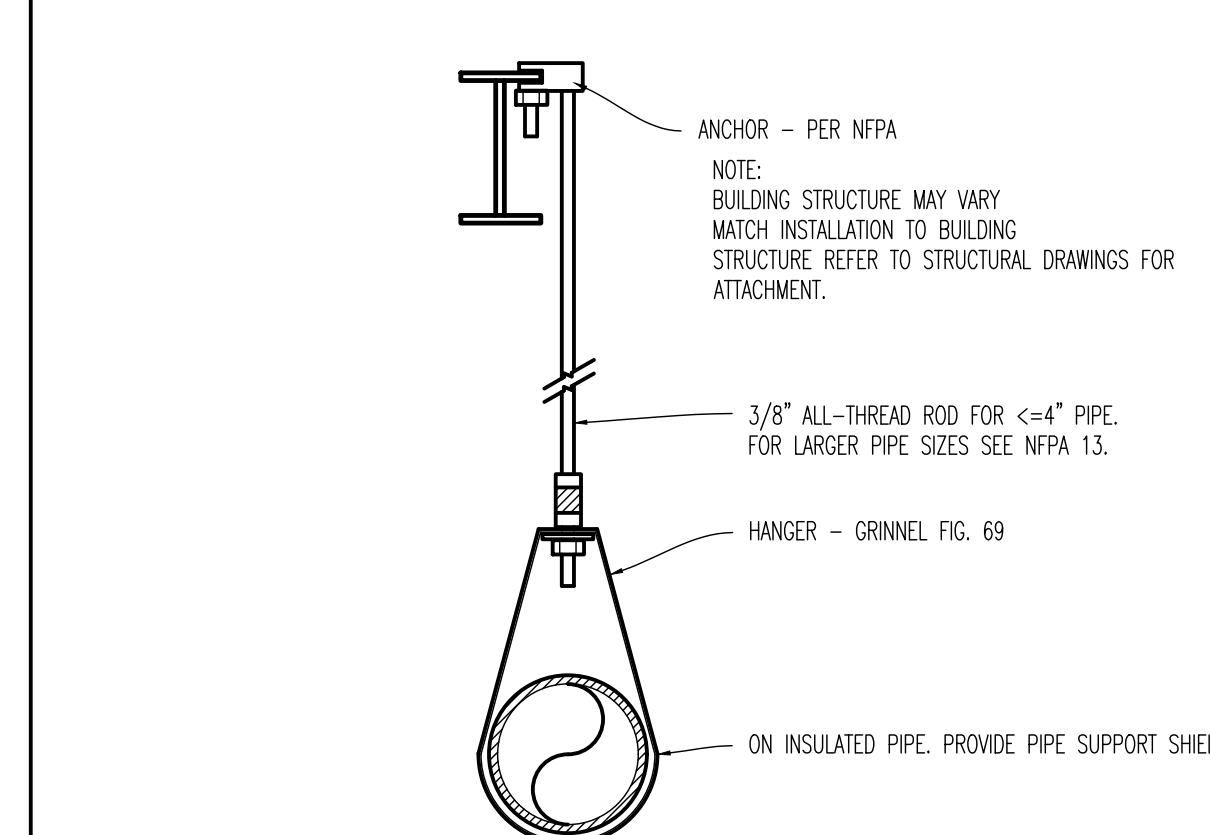
**15 MV-1 MIXING VALVE**  
 SCALE: NONE



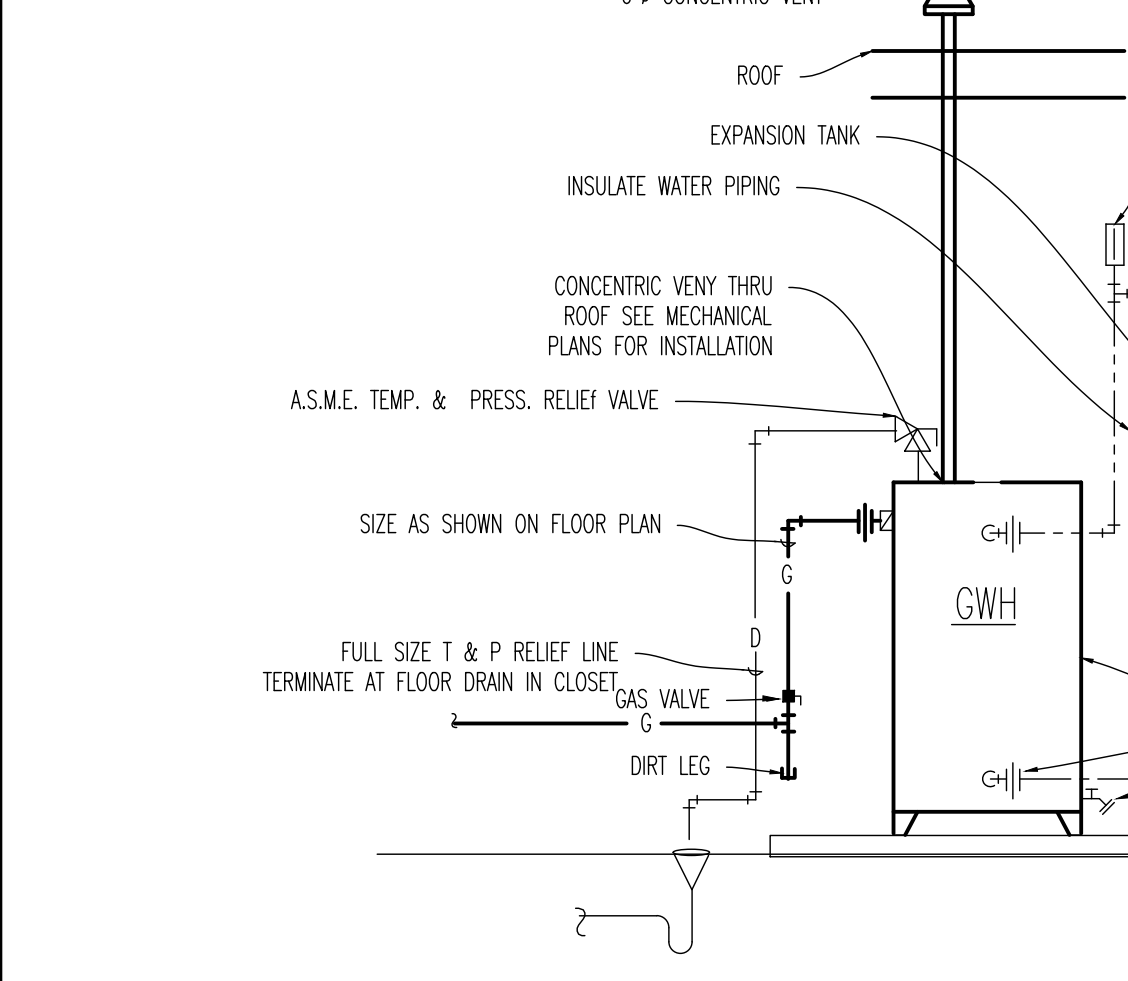
**10 ROOF PENETRATION**  
 SCALE: NONE



**08 PIPE HANGER DETAIL**  
 SCALE: NONE



**09 GAS APPLIANCE**  
 SCALE: NONE



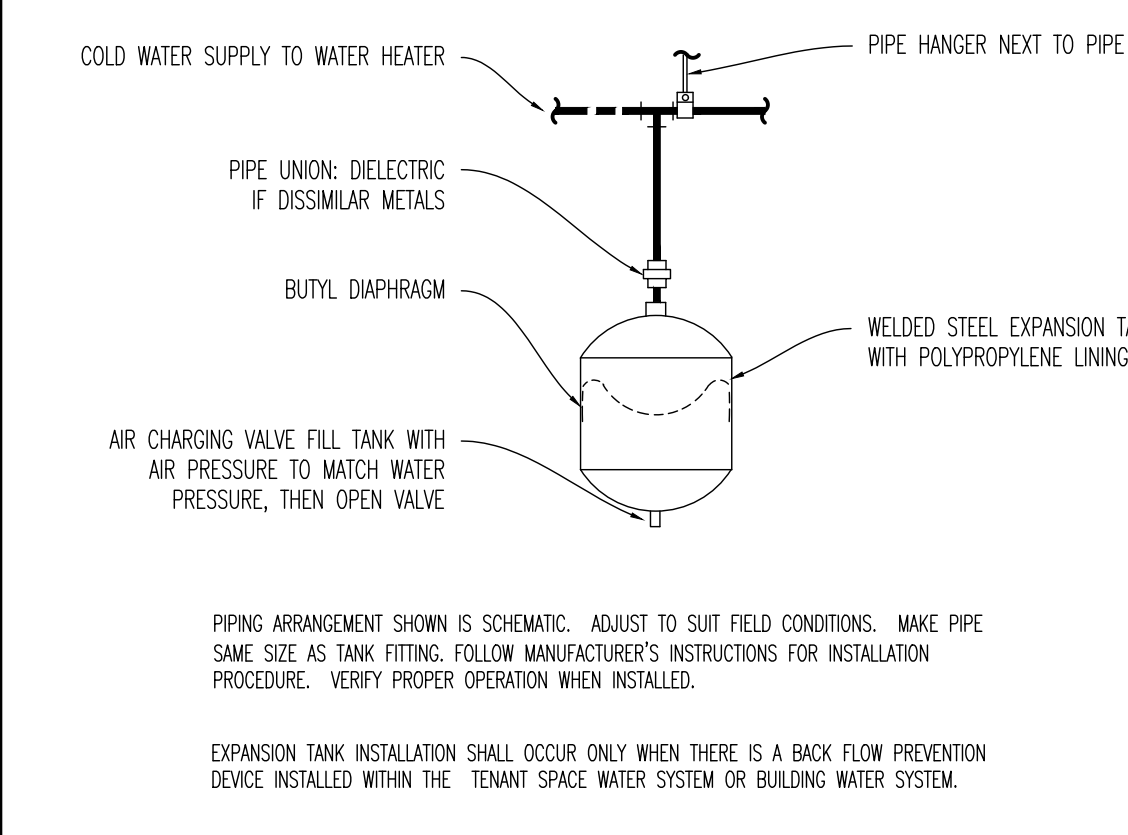
**04 WATER HEATER PIPING DETAIL**  
 SCALE: NONE

DOMESTIC WATER HEATER

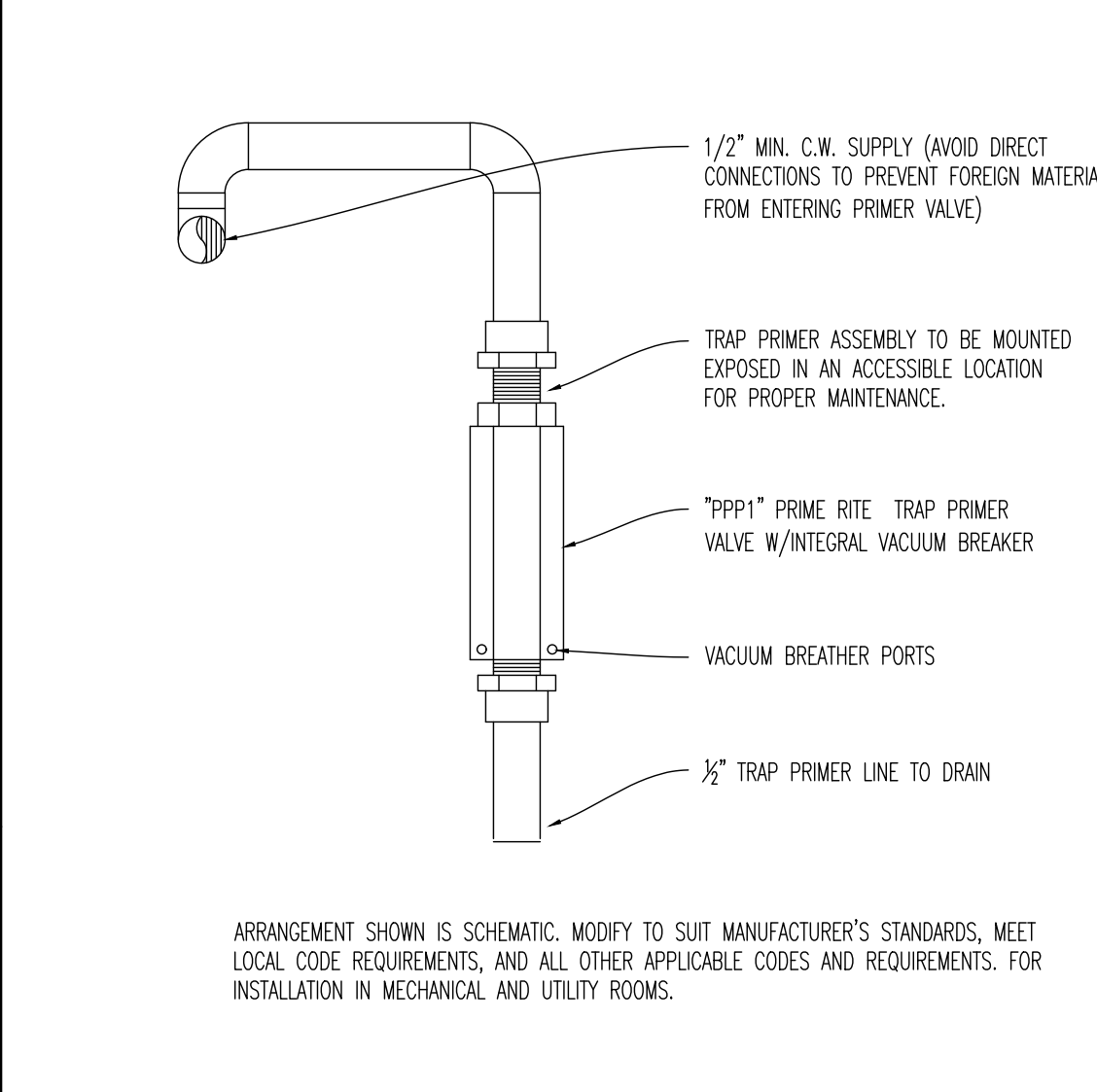
DESIGNATION	CFH INPUT	GPM, RECOVERY 100°F	FUEL	MANUFACTURER MODEL
WTR. HTR./STORAGE TANK CWH	199	230	NATURAL GAS	STATE - MODEL # SUP 100 199NE - 199,000 BTU, PRESSURE RELIEF 125 PSI 100 GALLON STORAGE SCALED DIRECT VENT AND COMBUSTION AIR EXPANSION TANK - AMTROL MODEL # ST-12-C

NOTES:  
 1. THIS SYSTEM IS TO BE SET UP TO DELIVER 140°F HOT WATER.  
 2. CONTACT MANUFACTURER FOR START UP AND INSTALLATION INSPECTION.  
 3. PROVIDE ADJUSTAT PUMP CONTROLLER AND TIME CLOCK FOR NIGHT SHUT DOWN CONTROL.

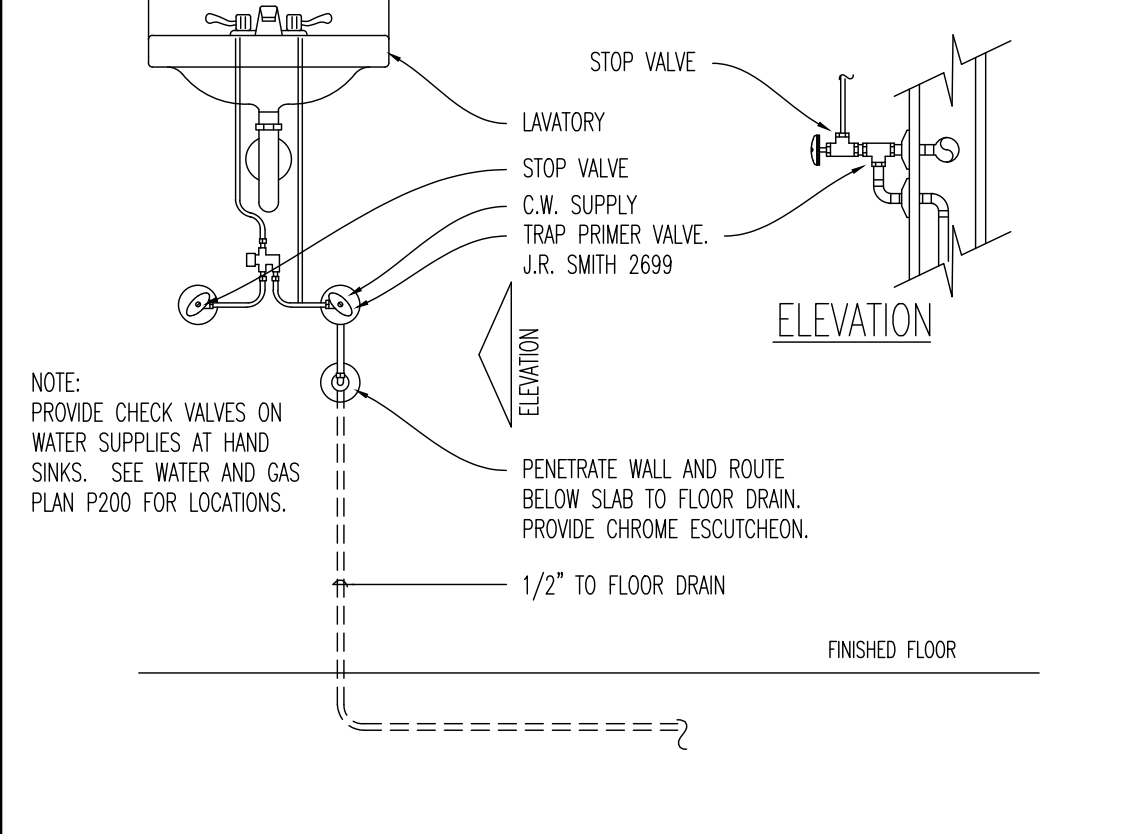
**04 WATER HEATER PIPING DETAIL**  
 SCALE: NONE



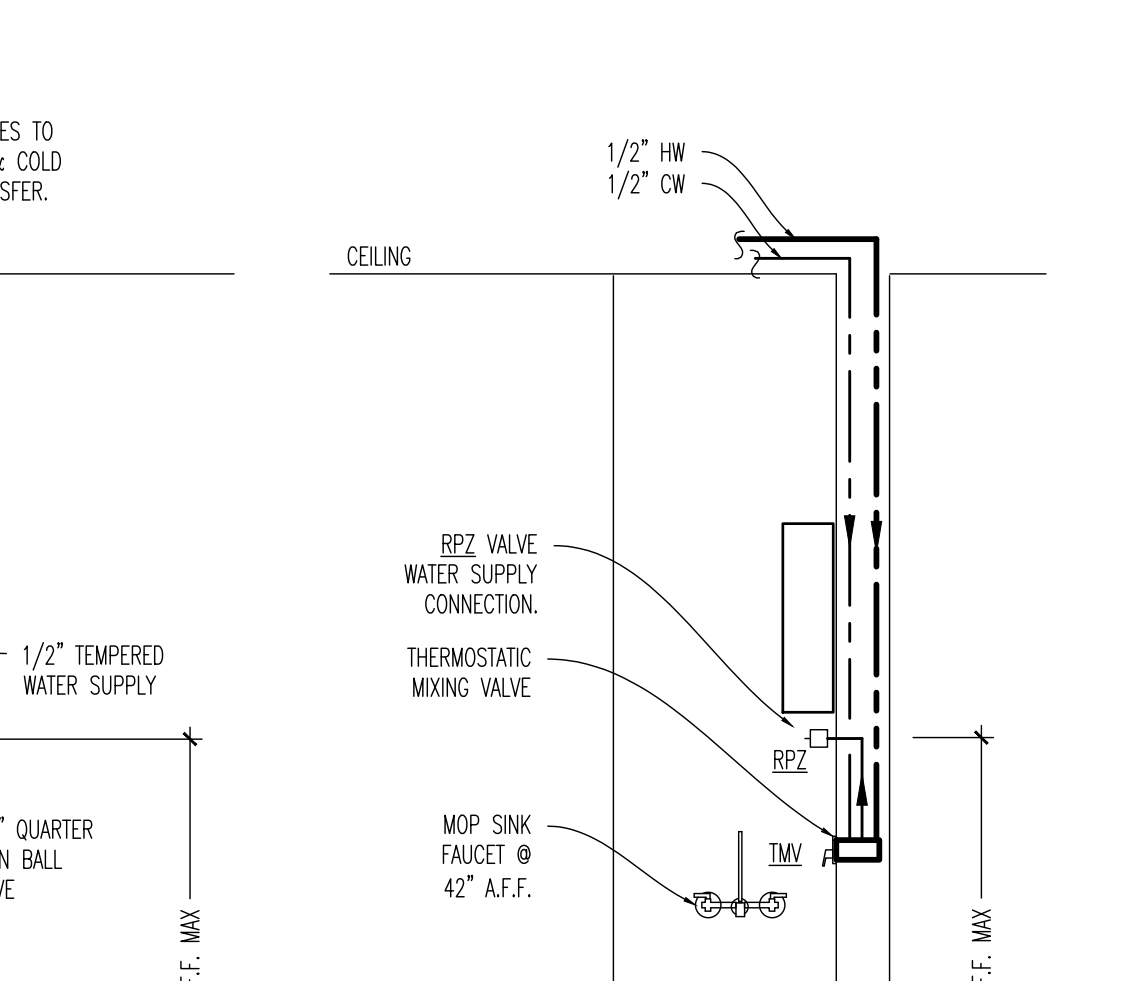
**05 EXPANSION TANK**  
 SCALE: NONE



**06 TRAP PRIMER (TP-2) DETAIL**  
 SCALE: NONE



**07 TRAP PRIMER (TP-1) DETAIL**  
 SCALE: NONE



**01 MOP SINK/ECOLAB WATER SUPPLY DETAIL**  
 SCALE: NONE

NOTE: OPTIONAL VERIFY WITH OWNER.

TMV	THERMOSTATIC MIXING VALVE WITH STRAIGHT STOPS AND CHECK VALVES	VALVE: "LAWLER" MODEL # 3500-SC1 INSTALL WAITS RPZ MODEL # 009-0T
ORDER THE THERMOSTATIC MIXING VALVE WITH MAXIMUM TEMPERATURE FACTORY PRE SET AT 120°F.		

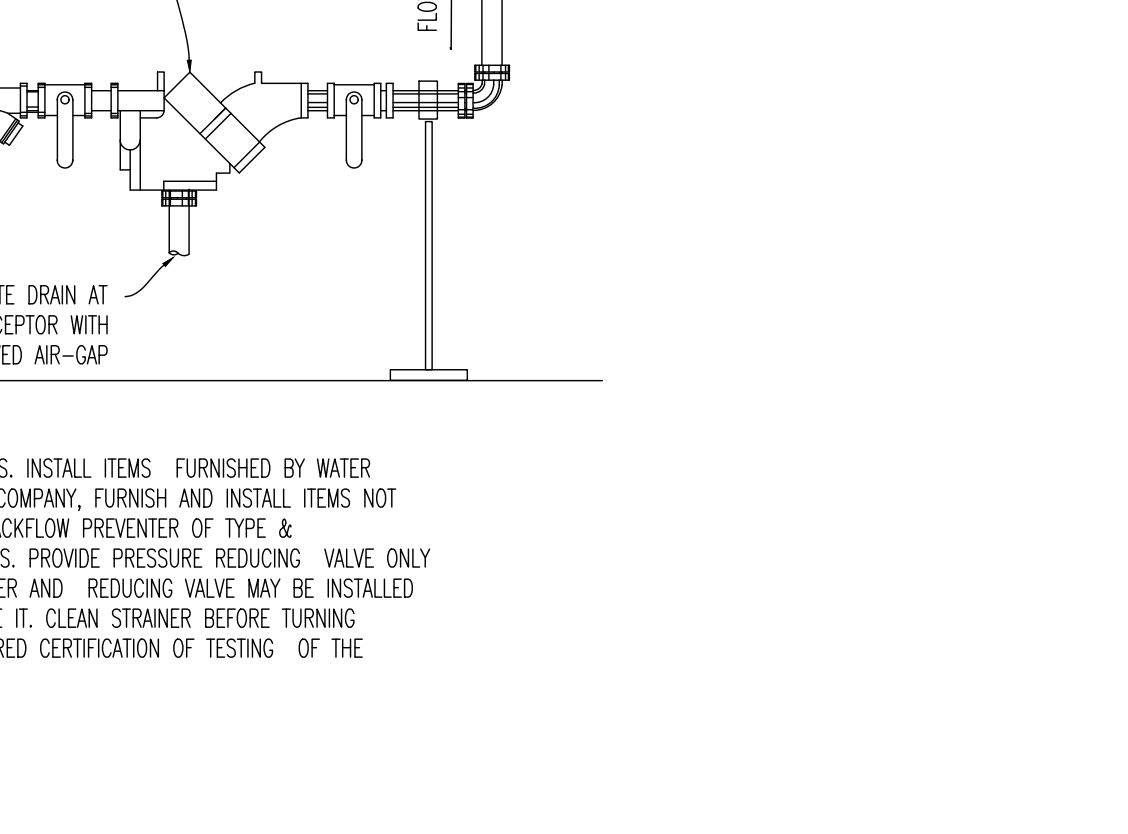
**01 MOP SINK/ECOLAB WATER SUPPLY DETAIL**  
 SCALE: NONE



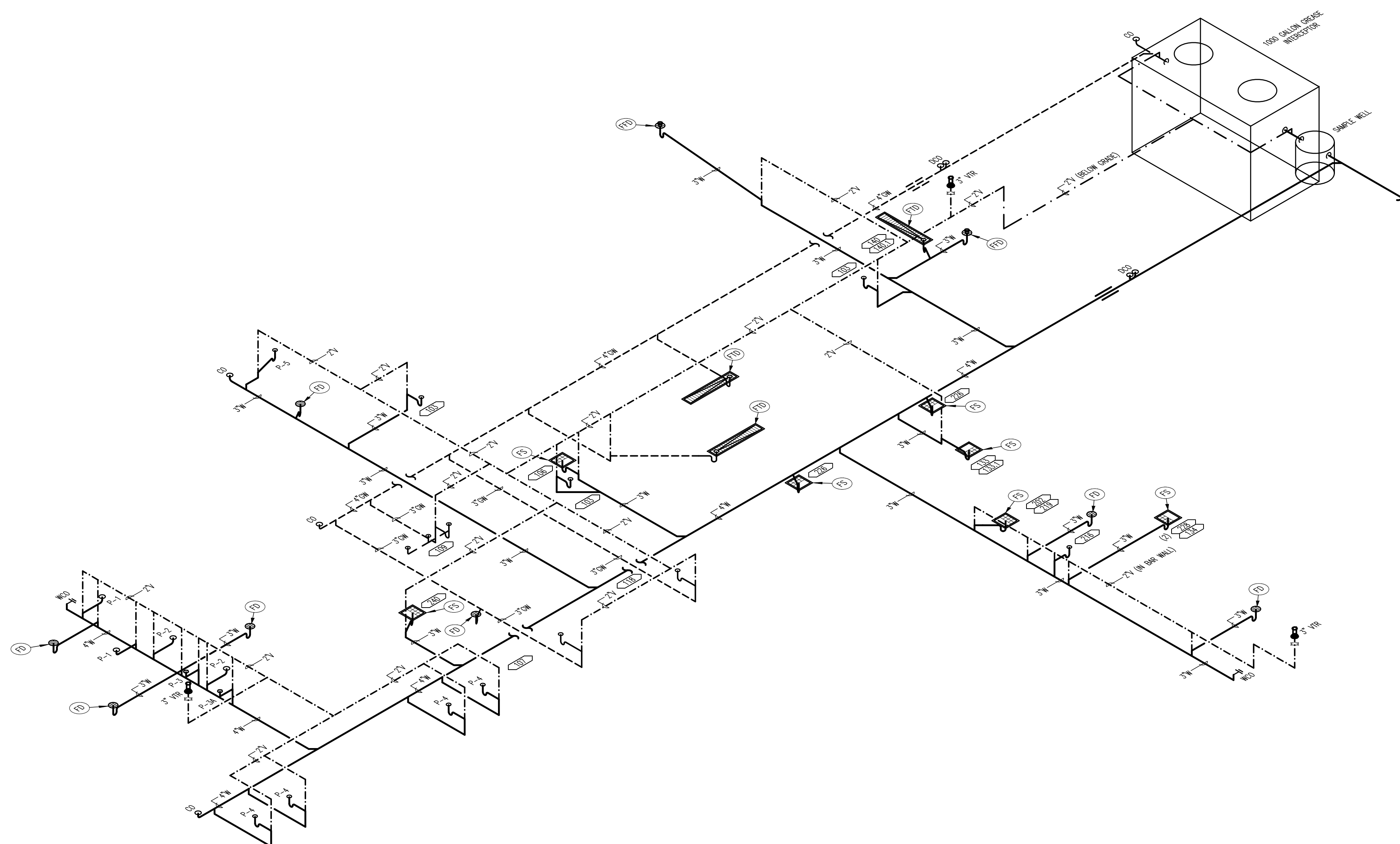
**02 NOT USED**  
 SCALE: NONE



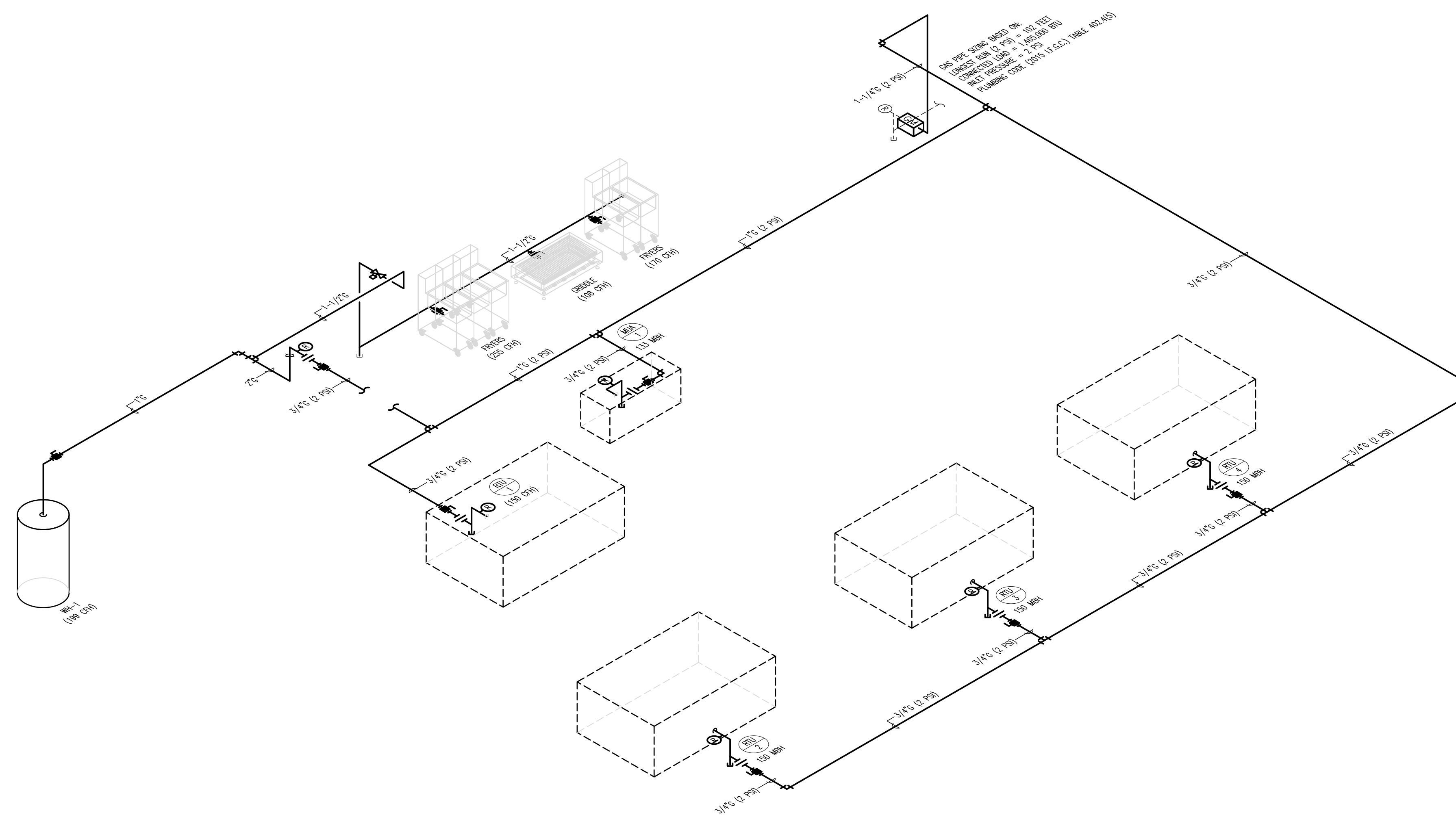
**03 WATER SERVICE ENTRANCE**  
 SCALE: NONE



**08 PIPE HANGER DETAIL**  
 SCALE: NONE

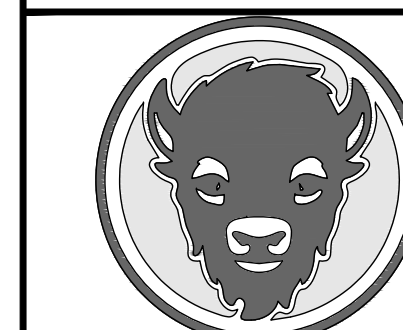


**01 SANITARY WASTE ISOMETRIC**  
 SCALE: NONE



**02 GAS RISER DIAGRAM**  
 SCALE: NONE

BUFFALO WINGS AND RINGS  
 720 BYPASS ROAD  
 CAMPBELLVILLE, KY 42718



WINGS & RINGS

DRAWING ISSUE

NO	DESCRIPTION	DATE
1	BID AND PERMIT	11/25/20

STAMP

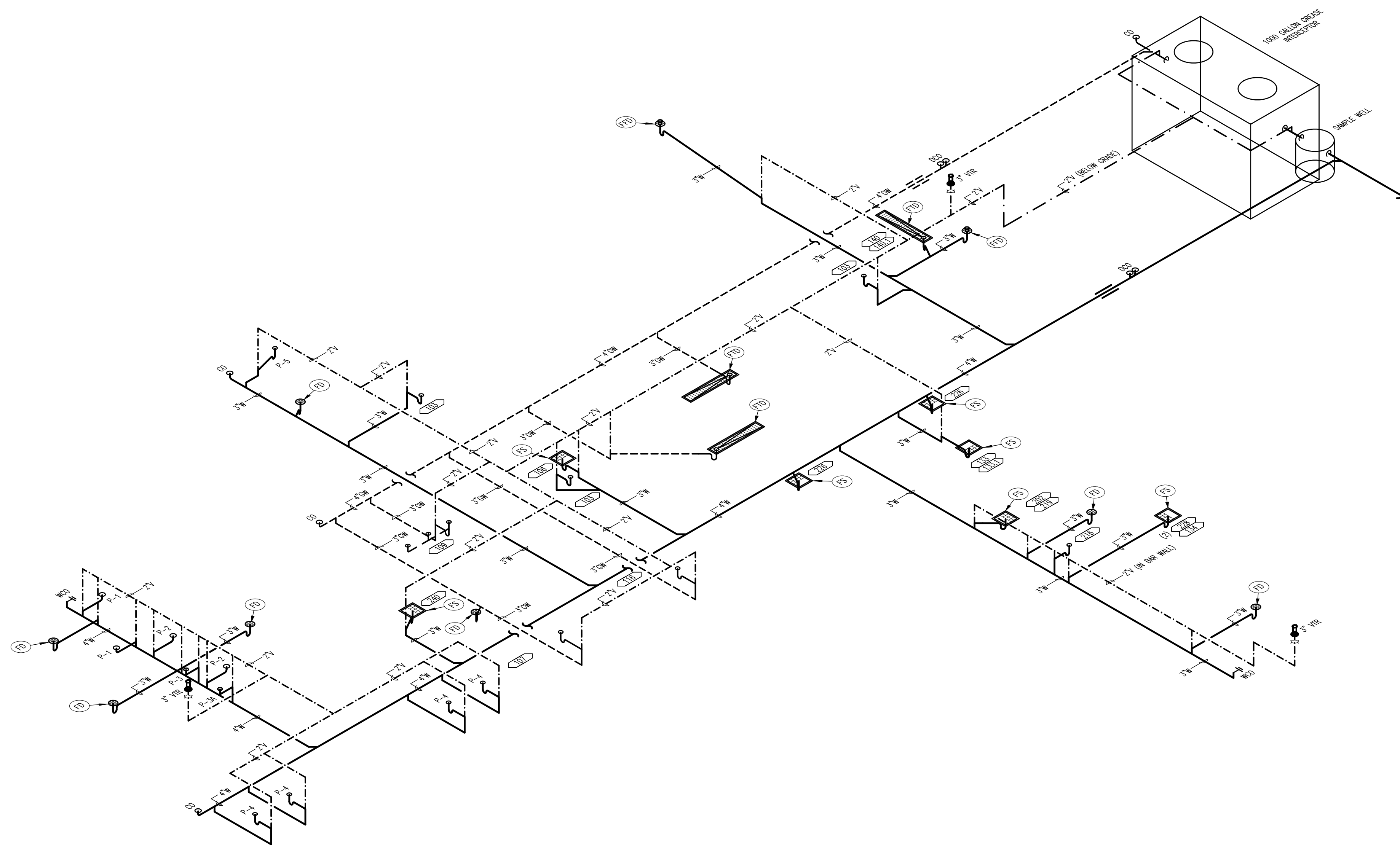
12.12.2020

PLUMBING ISOMETRICS  
 SCALE: NO SCALE  
 Drawn By: SEP Checked By: SVJ

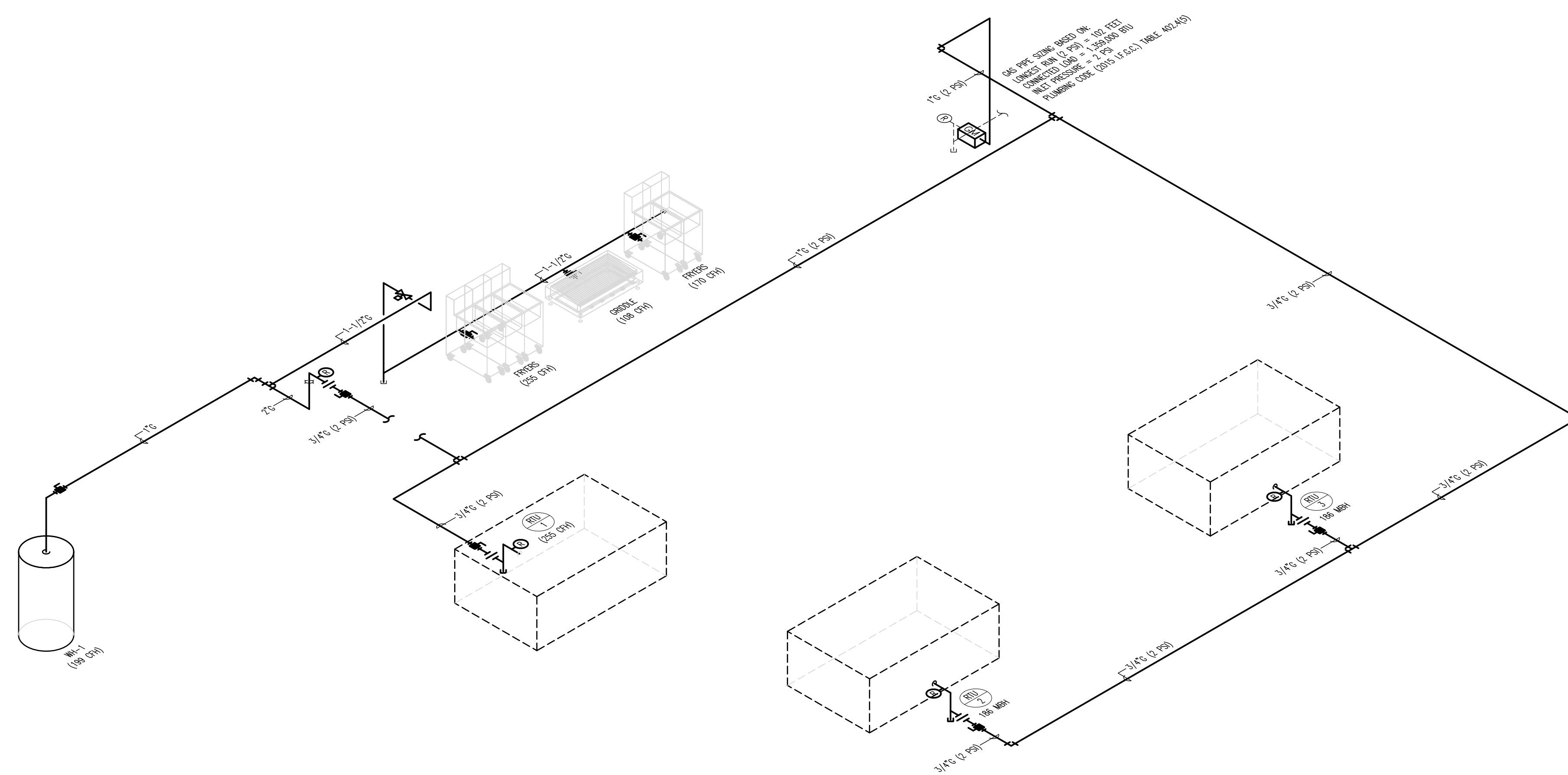
PROJECT NUMBER  
 20-0501

SHEET NUMBER

P300



**01 SANITARY WASTE ISOMETRIC**  
 SCALE: NONE



**02 GAS RISER DIAGRAM**  
 SCALE: NONE

**BUFFALO WINGS AND RINGS**  
 720 BYPASS ROAD  
 CAMPBELLVILLE, KY 42718



WINGS & RINGS

DRAWING ISSUE	
NO	DATE
	11/25/20
DESCRIPTION BID AND PERMIT	

STAMP	
	12.12.2020

**PLUMBING - ISOMETRICS - ALTERNATE**  
 SCALE: NO SCALE  
 Drawn By: XXX Checked: LUD/SW

**PROJECT NUMBER**  
 20-0501

**SHEET NUMBER**

**P300 - ALT**

FOR BID ONLY

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**BUFFALO WINGS AND RINGS**  
 720 BYPASS ROAD  
 CAMPBELLVILLE, KY 42718



WINGS & RINGS

DATE	11/25/20
BID AND PERMIT	
NO.	
DESCRIPTION	

**DRAWING ISSUE**

**STAMP**

**PLUMBING SCHEDULES**  
 SCALE: 1/4" = 1'-0"  
 Drawn By: SEP Checked By: SW

**PROJECT NUMBER**  
20-0501

**SHEET NUMBER**

**P400**

FOR BID ONLY

### GENERAL NOTES

- VERIFY EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF UTILITIES AND PIPING BEFORE COMMENCEMENT OF WORK, AND IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- OBTAIN EXACT LOCATIONS AND MOUNTING HEIGHTS OF PLUMBING FIXTURES AND KITCHEN EQUIPMENT FROM ARCHITECTURAL AND KITCHEN EQUIPMENT VENDOR CUT SHEETS.
- PLUMBING CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH UTILITY COMPANIES FOR SERVICE AND CONNECTIONS AND SHALL PAY FOR ALL PERMITS, FEES, CHARGES AND METERS.
- TERMINATE ALL VENT AND FLUE OUTLETS AT 10'-0" MIN. FROM ANY FRESH AIR INTAKES.
- INSTALL ALL PLUMBING TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING. NO WATER OR DRAIN LINES PERMITTED OVER OR UNDER ELECTRICAL PANELS. INSURE THAT ALL WATER LINES INSIDE WALLS ARE ACCURATELY SCAINED.
- PROVIDE FAUCETS UNLESS OTHERWISE NOTED, TRAPS, STOPS, GATE VALVES, GAS COOKS, WATER WARMER ARRESTERS, VACUUM BREAKERS OR THREADED FAUCETS, WALL CLEANOUTS, CLEANOUT COVERS, FLEX CONNECTIONS, SHUT-OFF VALVES AND INDIRECT WASTE TO AN APPROVED RECEIVER AND ALL NECESSARY TRIM FOR A COMPLETELY INSTALLED & CONNECTED PLUMBING SYSTEM.
- RECORD ON AS-BUILT DRAWINGS, ALL SIZES, LOCATIONS, INVERTS AND MATERIALS OF EXISTING PIPES THAT ARE ENCOUNTERED AND NEW PIPES INSTALLED DURING THE COURSE OF THE PROJECT DELIVER AS-BUILTS TO THE CONSTRUCTION MANAGER/OWNER AT THE END OF THE PROJECT.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL LOCAL AND FEDERAL CODES, RULES AND REGULATIONS GOVERNING THIS PROJECT.
- UPON COMPLETION OF JOB, INSPECT ALL EXPOSED PORTIONS OF THE PLUMBING INSTALLATIONS AND COMPLETELY REMOVE ALL EXPOSED LABELS, SOIL, MARKINGS, AND FOREIGN MATERIAL EXCEPT PRODUCT LABELS AND THOSE REQUIRED BY LAW.
- TERMINATE ALL INDIRECT WASTE LINES ABOVE FLOOR SINK WITH 1" (MIN.) AIR CAP. ALL INDIRECT WASTE PIPING MUST BE HARD PIPED, COPPER ONLY, NO P.V.C. ALLOWED.
- PROVIDE FLEXIBLE GAS CONNECTIONS TO WATER HEATER AND COOKING EQUIPMENT. PROVIDE RIGID GAS CONNECTIONS TO ALL OTHER EQUIPMENT AND APPLIANCES AND WHERE LOCAL JURISDICTION PROHIBITS THE USE OF FLEXIBLE CONNECTIONS.
- VERIFY ALL EQUIPMENT AND APPLIANCE CONNECTION SIZES PRIOR TO MAKING FINAL CONNECTION. REDUCE BRANCH PIPE SIZING JUST PRIOR TO UNIT.
- PLUMBING CONTRACTOR SHALL VERIFY INSTALLATION REQUIREMENTS FOR FLOOR SINKS AND FLOOR DRAINS. THE GOVERNING AUTHORITY HAVING JURISDICTION MAY REQUIRE THE FOLLOWING: FLOOR SINKS MAY BE REQUIRED TO BE INSTALLED WITH THE RIM RAISED ABOVE THE FINISHED FLOOR. FLOOR DRAINS MAY NEED TO BE RECESSED WITH THE FLOOR SLOPED TO THE DRAIN. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THIS INFORMATION AND INSTALLING THESE ITEMS AS REQUIRED BY CODE.

### WATER HEATER SIZING CALCULATIONS

FORMULA FOR MIXING HOT AND COLD WATER

$$M-C = \frac{H-C}{H} \times \% \text{ OF HOT WATER REQUIRED TO PRODUCE DESIRED MIXED TEMPERATURE}$$

WHERE: M = MIXED WATER TEMPERATURE  
 C = COLD WATER TEMPERATURE  
 H = HOT WATER TEMPERATURE

TEMPERATURE FACTORS - COLD WATER	WHEN INCOMING COLD WATER IS	MULTIPLY HOT WATER LOAD BY
	50°	0.90
	60°	0.80
	70°	0.70

GENERAL PURPOSE HOT WATER CONSUMPTION FOR VARIOUS KITCHEN USAGES.

APPLICATION	QTY.	CONSUMPTION (GPH)
LABORATORIES	4	4 x 5 = 20
HAND SINKS (103)	5	5 x 5 = 25
1-COMP. SINK (106)	1	1 x 5 = 5
SOILED DISH TABLE W/ PRE-RINSE (107)	1	1 x 5 = 5
4-COMP. BAR SINK	1	1 x 16 = 16
3-COMP. SINK (109)	1	1 x 59 = 59
MOP SINK	1	1 x 10 = 10
DISHWASHER -	1	1 x 72.8 = 72.8

TOTAL CONSUMPTION = 143.8 GPH REQ'D @ 100°F RISE

TOTAL CONSUMPTION	TEMP. FACTOR	TOTAL GPH REQUIRED
143.8	x 0.90	129.4 GPH @ 90° RISE

WATER HEATER SELECTED PROVIDES = 235 GPH @ 100°F RISE

### PIPE HANGER SPACING SCHEDULE

PIPING MATERIAL	MAXIMUM HORIZONTAL SPACING (FEET)	MAXIMUM VERTICAL SPACING (FEET)
SCHEDULE 40 PVC	6	10'
SCHEDULE 40 BLACK IRON	12	15
PEX	2.67	10'
COPPER OR COPPER-ALLOY PIPE	12	10

a. THE MAXIMUM HORIZONTAL SPACING OF CAST-IRON PIPE HANGERS SHALL BE INCREASED TO 10 FEET WHERE 10-FOOT LENGTHS OF PIPE ARE INSTALLED.  
 b. FOR SIZES 2 INCHES AND SMALLER, A GUIDE SHALL BE INSTALLED MIDWAY BETWEEN REQUIRED VERTICAL SUPPORTS. SUCH GUIDES SHALL PREVENT PIPE MOVEMENT IN A DIRECTION PERPENDICULAR TO THE AXIS OF THE PIPE.  
 FROM THE INTERNATIONAL PLUMBING CODE TABLE 308.5

### PIPE INSULATION

DOMESTIC WATER PIPING

- DOMESTIC HOT AND TEMPERED WATER SUPPLY AND RECIRCULATION
  - PIPE SIZE RANGE:
    - 3/4" AND SMALLER WITHIN THE FIRST 8 FEET OF PIPE FROM THE FIXTURE 1/2" THICK.
    - 1" AND LARGER 1" THICK
  - DOMESTIC COLD WATER
    - PIPE SIZE RANGE:
      - ALL SIZES 1/2" THICK
    - ROOF DRAIN BODY AND PIPING
      - PIPE SIZE RANGE:
        - ALL SIZES 1" THICK
    - COLD CONDENSATE DRAINS
      - PIPE SIZE RANGE:
        - ALL SIZES 1/2" THICK
  - FRANS EXPOSED TO FREEZING WITH HEAT TRACING
    - PIPE SIZE RANGE:
      - UP TO 2" 1/2" THICK
      - 2 1/2" TO 4" 5" THICK
      - 5" AND LARGER 3 1/2" THICK
  - PIPE INSULATION NOT REQUIRED FOR VERTICAL RISERS LOCATED WITHIN INSULATED INTERIOR WALL.

### PLUMBING SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
--- ---	WATER SERVICE LINE	--- ---	WATER SERVICE LINE
--- ---	DOMESTIC COLD WATER	--- ---	DOMESTIC COLD WATER
--- ---	DOMESTIC HOT WATER	--- ---	DOMESTIC HOT WATER
--- ---	DOMESTIC HOT WATER RETURN	--- ---	DOMESTIC HOT WATER RETURN
--- ---	FILTERED WATER	--- ---	FILTERED WATER
--- ---	SANITARY SEWER VENT	--- ---	SANITARY SEWER VENT
--- ---	SANITARY WASTE LINE	--- ---	SANITARY WASTE LINE
--- ---	INDIRECT DRAIN	--- ---	INDIRECT DRAIN
--- ---	STORM DRAIN	--- ---	STORM DRAIN
--- ---	FIRE PROTECTION	--- ---	FIRE PROTECTION
--- ---	NATURAL GAS LINE	--- ---	NATURAL GAS LINE
--- ---	FLANGE	--- ---	FLANGE
--- ---	UNION	--- ---	UNION
--- ---	BRANCH - TOP CONNECTION	--- ---	BRANCH - TOP CONNECTION
--- ---	BRANCH - BOTTOM CONNECTION	--- ---	BRANCH - BOTTOM CONNECTION
--- ---	PIPE RISER	--- ---	PIPE RISER
--- ---	PIPE DROP	--- ---	PIPE DROP
--- ---	DIRECTION OF PIPE PITCH	--- ---	DIRECTION OF PIPE PITCH
--- ---	DIRECTION OF FLOW	--- ---	DIRECTION OF FLOW

NOTE: NOT ALL SYMBOLS MAY BE USED ON THIS PROJECT.

### WATER CALCULATIONS

DOMESTIC WATER SERVICE = 2" WATER METER AND 2" BLDG. PIPING

84.0 W.S.F.U. = 40 GPM - ON FLUSH VALVE SYSTEM - TABLE E103.3(3)

40 GPM = 4.0 PSI LOSS - FOR 2" DISK TYPE WATER METER

40 GPM = 0.55 PSI LOSS - FOR 2" TAP & SERVICE - TABLE E103.3(4)

AVAILABLE PRESSURE APPROXIMATE - 55 ± PSI

PRESSURE LOSS ACROSS METER LOSS - 4.0 PSI

PRESSURE LOSS ACROSS TAP LOSS - 0.55 PSI

STATIC PRESSURE LOST (ELEV. (18'-0" x 0.43) LOSS - 7.74 PSI

GOVERNING FIXTURE - WATER CLOSET LOSS - 25 PSI

BACKFLOW PREVENTER - (2" RPZ) LOSS - 10 PSI

TOTAL PRESSURE AVAILABLE LOSS - 7.71 PSI

DISTANCE FROM METER TO LAST FIXTURE 140'

TOTAL DEVELOPED LENGTH OF SYSTEM (x 1.25) 175'

ALLOW. PRESS. 7.71 x 100' 175' 4.0 PSI

AVERAGE PRESS. DROP AVAILABLE FOR FRICTION 3.40 PSI

FRICTION LOSS-LBS. PER SQ. IN. HEAD PER 100'-FOOT LENGTH 4.0 PSI

2" SMOOTH PIPE - FIGURE E103.3(2) VELOCITY = 7.0 FPS

### BACKFLOW PREVENTER SCHEDULE

DESCRIPTION	TAG	VALVE MODEL	ASSE
MAIN WATER SUPPLY	RPZ	WATTS 2" # LF909-01-S	1013

INSTALL ADDITIONAL BACKFLOW PREVENTERS AT EQUIPMENT CONNECTIONS FOR THE ITEMS LISTED BELOW WHEN REQUIRED BY LOCAL CODE. PLUMBING CONTRACTOR TO FIELD VERIFY WITH LOCAL CODE OFFICE THE LOCATIONS AND QUANTITIES OF POINT OF USE BACKFLOW PREVENTION PRIOR TO PERFORMING WORK.

DESCRIPTION	TAG	VALVE MODEL	ASSE
WATER FILTER / CARBONATOR	RPZ	WATTS 1/2" # S50090T-S	1013
ICE - MACHINE	DCV	WATTS 3/8" # S03-FN	1022
DISHWASHER	DCV	WATTS 3/8" # S03-FN	1022
COFFEE / TEA BREWER	DCV	WATTS 3/8" # S03-FN	1022
CHEMICAL DISPENSERS	RPZ	WATTS 1/2" # S0091-S	1013
CHECK VALVES	RPZ	WATTS # LF600 SERIES	N/A

NOTE:

- VERIFY MAIN WATER SUPPLY BACKFLOW PREVENTION REQUIREMENTS WITH LOCAL CODE AT START OF CONSTRUCTION. PROVIDE BACKFLOW PREVENTION ON MAIN SERVICE IF REQUIRED.
- ALWAYS VERIFY BACKFLOW VALVE REQUIREMENTS AND APPROVAL FOR ALL EQUIPMENT WITH AUTHORITIES HAVING JURISDICTION PRIOR TO INSTALLATION.
- CARBONATOR TO HAVE STAINLESS STEEL S03 DOUBLE CHECK VALVE (DCV).
- PROVIDE "Y" STRAINERS FOR ALL RPZ VALVES.
- ALL BACKFLOW PREVENTERS ON THE PROJECT NEW AND OR EXISTING HAVE TO BE TESTED AND INSPECTED AS REQUIRED BY CODE AND THE AUTHORITY HAVING JURISDICTION. PLUMBING CONTRACTOR TO PROVIDE TESTING DOCUMENTATION TO THE OWNER OPERATOR FOR THEIR RECORDS.

### PIPING MATERIALS LEGEND

SEWER BELOW GRADE	SCHEDULE 40 PVC
WASTE VENT ABOVE GRADE	SCHEDULE 40 PVC
COLD & HOT WATER (ABOVE GROUND)	TYPE "L" COPPER OR PEX
COLD WATER (BURIED)	TYPE "K" COPPER OR PEX
GAS (ON ROOF & INSIDE BUILDING)	SCHEDULE 40 BLACK IRON
CONDENSATE DRAIN	TYPE "M" COPPER
INDIRECT DRAIN (INSIDE BUILDING)	DNV COPPER

NOTE: REFER TO PROJECT SPECIFICATION MANUAL.

### FIXTURE UNIT COUNT

ITEM	DESCRIPTION	QTY.	TRAP SIZE	D.F.U.	TOTAL D.F.U.	W.S.F.U.	TOTAL W.S.F.U.
WC	WATER CLOSET (FLUSH TANK)	4	---	4.0	16.0 SAN.	5.0	20.0
UR	URINAL (FLUSH VALVE)	2	---	2.0	4.0 SAN.	5.0	10.0
LAV	LAVATORY	4	1.25"	1.0	4.0 SAN.	2.0	8.0
FD	FLOOR DRAIN (EMG) (TOILET)	2	3"	5.0	10.0 SAN.	---	---
MS	MOP SINK	1	3"	5.0	5.0 OW	3.0	3.0
103	HAND SINK	3	1.25"	1.0	3.0 SAN.	2.0	6.0
106/FS	1-COMP. SINK	1	3"	5.0	5.0 SAN.	---	---
133/FS	DRAFT BEER DISPENSER	1	3"	5.0	5.0 SAN.	---	---
133.1	DRIP PAN W/ RINSER	1	3"	5.0	5.0 SAN.	1.0	1.0
134/FS	UNDERBAR 4-COMP. SINK	1	3"	5.0	5.0 SAN.	---	---
140/FTD	ICE MAKER	1	3"	5.0	5.0 SAN.	1.0	1.0
202/FS	UNDERBAR ICE CHEST	1	3"	5.0	5.0 SAN.	---	---
203	COFFEE/TEA BREWERS	1	---	---	---	1.0	1.0
216	UNDERBAR HAND SINK	2	1.25"	1.0	2.0 SAN.	2.0	4.0
219/FS	UNDERBAR GLASS RACK	1	3"	5.0	5.0 SAN.	---	---
228/FS	SODA DISPENSER	2	3"	5.0	10.0 SAN.	1.0	2.0
228/FS	LIQUOR CABINET	2	3"	5.0	5.0 SAN.	---	---
230	UNDERBAR BLENDER STATION	1	3"	5.0	5.0 SAN.	2.0	2.0
240/FS	DISHWASHER	1	3"	5.0	5.0 SAN.	4.0	4.0
FD	FLOOR DRAIN (EMG) (BAR)	2	3"	0.0	0.0 SAN.	---	---
FD	FLOOR DRAIN (WALK-IN BEER)	1	3"	5.0	5.0 SAN.	---	---
FD	FLOOR DRAIN (WALK-IN CL/FR)	1	3"	5.0	5.0 SAN.	---	---
FD	FLOOR DRAIN (ICE MAKER)	1	3"	5.0	5.0 SAN.	---	---
FD	FLOOR DRAIN (WATER HEATER)	1	3"	5.0	5.0 SAN.	---	---
FPWH	FREEZE PROOF WALL HYDRANT	2	---	---	---	0.0	0.0

TOTAL FIXTURE UNITS: 90.0 SAN. 9.0 OW W.S.F.U. 80.0

W.S.F.U. 80.0 FU = 40 GPM (2" METER AND WATER SERVICE) (TABLE E103.3(3))

D.F.U. 108.0 FU = 4" PIPING HORIZONTAL @ 1/4" PER FOOT SLOPE (216 FU MAX.)

### GAS DEMAND SCHEDULE

TAG	GAS FIRED EQUIPMENT	DEMAND BTU
117	2 BANK FRYER	170,000
123	3 BANK FRYER	255,000
125	GRIDDLE	108,000
GMH	GAS WATER HEATER	199,000
MUA-1	MAKE UP AIR	133,000
RTU-1	ROOF TOP UNIT	150,000
RTU-2	ROOF TOP UNIT	150,000
RTU-3	ROOF TOP UNIT	150,000
RTU-4	ROOF TOP UNIT	150,000

TOTAL BTU DEMAND = 1,465,000

NOTE: SEE KITCHEN EQUIPMENT PLANS FOR FINAL CONNECTION REQUIREMENTS OF EQUIPMENT.

TOTAL DEVELOPED LENGTH OF TENANT SYSTEM:  
 2 PSI MEDIUM PRESSURE GAS: 2 PSI MEDIUM PRESSURE T.D.L. = 83' X 1.5 = 124'-0"  
 7"WC (LOW PRESSURE) T.D.L. = 34' X 1.5 = 51'-0"

2 PSI MEDIUM PRESSURE GAS  
 GAS PIPING SYSTEM SIZED FROM THE PLUMBING CODE (2012 I.F.G.C.) TABLE 402.4(1)

LOW PRESSURE GAS (7"WC/6oz.)  
 GAS PIPING SYSTEM SIZED FROM THE PLUMBING CODE (2012 I.F.G.C.) TABLE 402.4(1)

NOTE:  
 ALL COOKING SURFACES, KITCHEN EXHAUST SYSTEMS, GREASE REMOVAL DEVICES AND HOODS SHALL BE PROTECTED WITH AN APPROVED AUTOMATIC FIRE SUPPRESSION SYSTEM AS SHOWN ON KITCHEN AND HOOD DRAWINGS. THE ACTIVATION OF THE FIRE SUPPRESSION SYSTEM SHALL AUTOMATICALLY SHUT DOWN THE FUEL SUPPLY TO THE COOKING EQUIPMENT AS SHOWN IN BOTH KITCHEN AND PLUMBING DRAWINGS. THE FIRE SUPPRESSION SYSTEM SHALL BE INTERLOCKED WITH THE GAS SOLENOID VALVES.

### GREASE INTERCEPTOR SIZING CALCULATION

ITEM	DESCRIPTION	QTY.	TRAP SIZE	D.F.U.	TOTAL D.F.U.
107	SOILED DISH TABLE W/ PRE-RINSE	1	2"	3.0	3.0 OW
109	3-COMP. SINK	1	2"	3.0	3.0 OW
118	1-COMP. SCULLERY SINK	1	2"	3.0	3.0 OW
FD	FLOOR DRAIN (EMG) (KITCHEN)	5	3"	0.0	0.0 OW

TOTAL FIXTURE UNITS: 9.0 D.F.U.

D.F.U. 9.0 D.F.U. = 4.5 GPM (EQUAL TO 20 GPM/40 LB. CAPACITY REQUIRED)  
 NOTE: 2006 I.P.C. CH. 7, SEC. 709.3 - 1 GPM = 2 FIXTURE UNITS  
 (1) 1,000 GALLON INTERCEPTOR PROPOSED

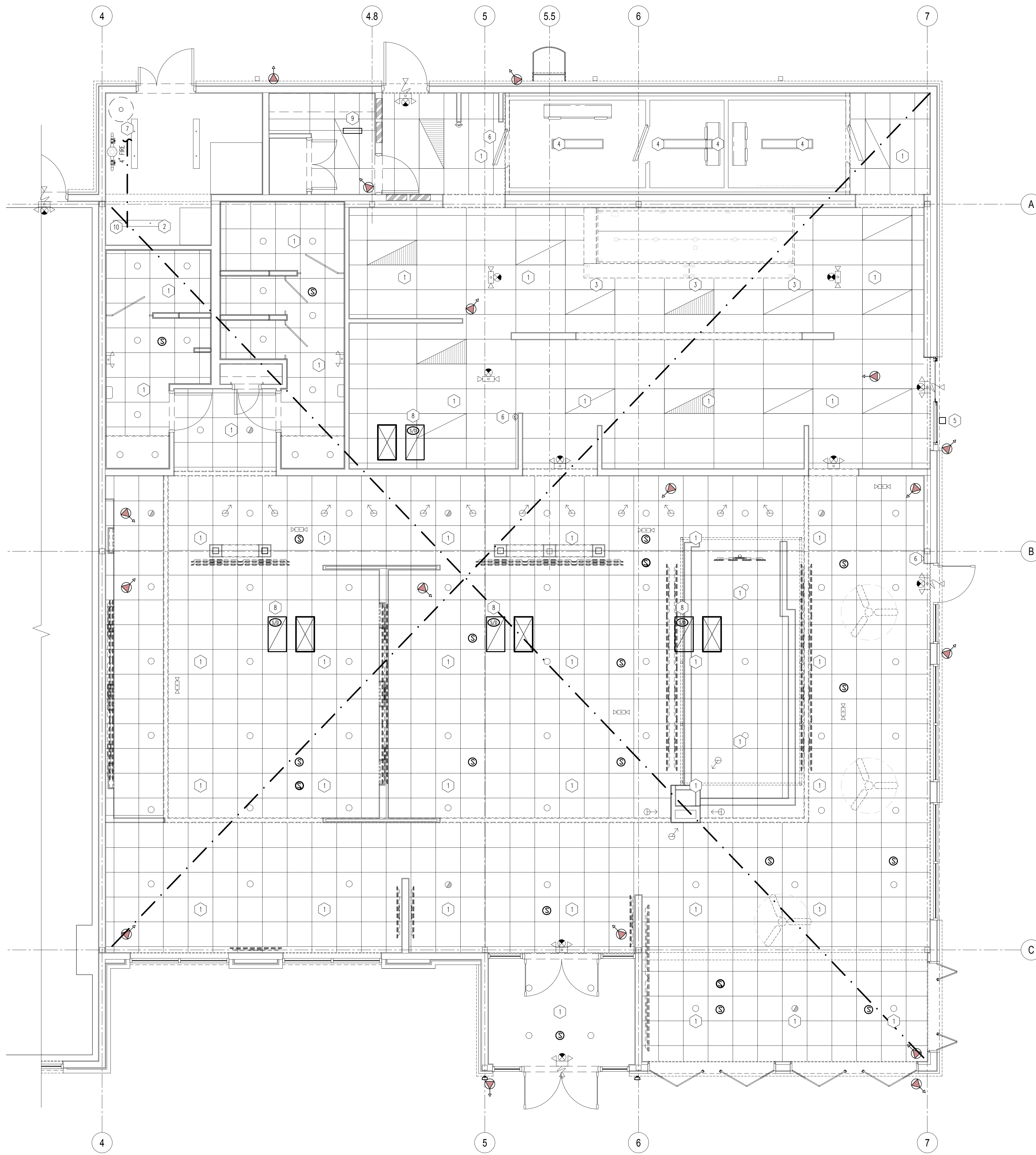
### FIXTURE AND SPECIALTIES PLUMBING SCHEDULE (SEE COMPREHENSIVE EQUIPMENT SCHEDULE ON SHEET EQ101)

MARK	DESCRIPTION	SUPPLIED BY	INSTALLED BY	MANUFACTURER	MODEL #	COLOR	WASTE	VENT	H.W.	C.W.	REMARKS
P-1	WATER CLOSET (ACC.)	G.C. PLUMBER	G.C. PLUMBER	AMERICAN STANDARD	CADET 2482.016	WHITE	3"	2"	---	1"	ELONGATED BOWL, 4142.600 LOCKING TANK, WCURE 16BLX
	SEAT	G.C. PLUMBER	G.C. PLUMBER	OLSONITE	#95	WHITE	---	---	---	---	OPEN FRONT SEAT LESS COVER
P-2	WATER CLOSET	G.C. PLUMBER	G.C. PLUMBER	AMERICAN STANDARD	CADET 2487.016	WHITE	3"	2"	---	1"	ELONGATED BOWL, 4142.600 LOCKING TANK, WCURE 16BLX
	SEAT	G.C. PLUMBER	G.C. PLUMBER	OLSONITE	#95	WHITE	---	---	---	---	OPEN FRONT SEAT LESS COVER
P-3	URINAL	G.C. PLUMBER	G.C. PLUMBER	AMERICAN STANDARD	6561.017	WHITE	2"	1-1/2"	---	3/4"	MOUNT AT STANDARD HEIGHT
	FLUSH VALVE	G.C. PLUMBER	G.C. PLUMBER	SLOAN	186-1	NICKEL CHROME	---	---	---	---	LOW CONSUMPTION (1.0 GPF)
P-3A	URINAL (ACCESSIBLE)	G.C. PLUMBER	G.C. PLUMBER	AMERICAN STANDARD	6561.017	WHITE	2"	1-1/2"	---	3/4"	MOUNT AT ACCESSIBLE HEIGHT
	FLUSH VALVE	G.C. PLUMBER	G.C. PLUMBER	SLOAN	186-1	NICKEL CHROME	---	---	---	---	LOW CONSUMPTION (1.0 GPF)
P-4	COUNTERTOP SINK	G.C. PLUMBER	G.C. PLUMBER	HOUSER	CRD-1620	STAINLESS STEEL	1-1/4"	1-1/4"	1/2"	1/2"	UNDERMOUNT SINK; PROVIDE AND INSTALL STRAINER
	FAUCET	G.C. PLUMBER	G.C. PLUMBER	BY OWNER	BY OWNER	STAINLESS STEEL	---	---	---	---	COORDINATE W/ OWNER FOR LAVATORY FAUCET SPECIFICATION
P-5	MOP BASIN (24"x36")	G.C. PLUMBER	G.C. PLUMBER	E.L. MUSTEE	63M	WHITE	3"	2"	3/4"	3/4"	---
	FAUCET	G.C. PLUMBER	G.C. PLUMBER	FAT	830-AA	---	---	---	---	---	---
FD-1	FLOOR DRAIN	G.C. PLUMBER	G.C. PLUMBER	WADE	WT100-C	NICKEL BRONZE	3"	2"	---	---	PUBLIC AREAS
FFD	NOTE: "FFD" IS THE SAME AS FD-1 WITH A FUNNEL ADDED.	---	---	---	---	---	---	---	---	---	---
FD-2	FLOOR DRAIN	G.C. PLUMBER	G.C. PLUMBER	WADE	1310	CAST IRON	3"	2"	---	---	UTILITY AREAS PROVIDE CAST IRON STRAINER
FS	FLOOR SINK	G.C. PLUMBER	G.C. PLUMBER	WADE	9130	BAKED ENAMEL	3"	2"	---	---	WITH ACID RESISTANT INTERIOR
FTD	TRENCH DRAIN	G.C. PLUMBER	G.C. PLUMBER	ADC	H100	---	---	3"	2"	---	STAINLESS STEEL GRATE: 4300.
FPWH	FROST PROOF WALL HYDRANT	G.C. PLUMBER	G.C. PLUMBER	WOODFORD	867	BRASS	---	---	---	3/4"	LOSE KEY/BOX TYPE HYDRANT
GMH	WATER HEATER	G.C. PLUMBER	G.C. PLUMBER	STATE	SUF 100 199NE	---	---	---	1-1/2"	1-1/2"	---
GI	GREASE INTERCEPTOR	G.C. PLUMBER	G.C. PLUMBER	---	---	---	---	---	---	---	SEE PLUMBING SHEETS FOR INFORMATION
SW	SAMPLING WELL	G.C. PLUMBER	G.C. PLUMBER	---	---	---	---	---	---	---	SEE PLUMBING SHEETS FOR INFORMATION

### KITCHEN EQUIPMENT PLUMBING SCHEDULE (SEE COMPREHENSIVE EQUIPMENT SCHEDULE ON SHEET EQ101)

MARK	DESCRIPTION	SUPPLIED BY	INSTALLED BY	MANUFACTURER	
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ORIGINAL PRINT SIZE - 30 X 42



**01 FIRE PROTECTION PLAN**  
SCALE: 1/4" = 1'-0"

**GENERAL NOTES**

1. GENERAL CONTRACTOR TO HIRE CERTIFIED SPRINKLER CONTRACTOR TO PROVIDE AND INSTALL A NEW COMPLETE SPRINKLER SYSTEM, PER LAYOUT, AS INDICATED ON THIS DRAWING. SYSTEM TO BE DESIGN-BUILD AND TO INCLUDE, BUT NOT LIMITED TO, BACK FLOW PROTECTION, ALARM VALVE (SPRINKLER RISER), DISTRIBUTION SYSTEM AND SPRINKLER HEADS. SPRINKLER CONTRACTOR TO APPLY AND PAY FOR ALL PERMITS AND SUBMIT ALL NECESSARY DRAWINGS FOR A COMPLETE WORKING SPRINKLER SYSTEM.
2. REFER TO DRAWING EG-101 FOR EQUIPMENT AND FURNITURE LOCATIONS.
3. SPRINKLER CONTRACTOR TO INSTALL DEDICATED ALARM VALVE FOR SPRINKLER SYSTEM. CONNECT ALARM TO SUPERVISED BASE BUILDING FIRE ALARM PANEL, UNLESS OTHERWISE DIRECTED BY LOCAL CODE AUTHORITY.
4. SPRINKLER CONTRACTOR IS RESPONSIBLE FOR DESIGN AND INSTALLATION OF THE FIRE PROTECTION SYSTEM TO MEET ALL REQUIREMENTS OF NFPA 13, LOCAL CODES AND ORDINANCES.
5. SPRINKLER CONTRACTOR IS RESPONSIBLE FOR DESIGN AND INSTALLATION OF THE FIRE PROTECTION SYSTEM TO MEET ALL REQUIREMENTS OF NFPA 13, LOCAL CODES AND ORDINANCES.
6. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL CONDITIONS AND IS ALSO RESPONSIBLE FOR REPORTING ANY CONFLICTS TO THE ENGINEER PRIOR TO THE START OF WORK. NO EXTRA PAYMENTS WILL BE ALLOWED IF CONTRACTOR FAILS TO NOTIFY ENGINEER.
7. SPRINKLER CONTRACTOR TO PROVIDE SHOP DRAWINGS TO ARCHITECT SO ARCHITECT CAN COORDINATE PLACEMENT OF SPRINKLER HEADS WITH ARCHITECTURAL ELEMENTS.
8. COORDINATE ALL SPRINKLER HEAD LOCATIONS WITH TV LOCATIONS.

**KEY NOTES**

1. SPRINKLER HEADS TO BE FULLY CONCEALED IN LAY-IN CEILING AND DRYWALL CEILING AREA.
2. SPRINKLER HEADS IN OPEN AREA TO BE FULLY EXPOSED UPRIGHT TYPE.
3. PROVIDE HIGH TEMPERATURE HEADS IN FRONT OF COOKING EQUIPMENT.
4. PROVIDE FREEZE PROOF SPRINKLER HEADS IN COOLER AND FREEZER.
5. PROVIDE AND INSTALL KNOX BOX FOR LOCAL FIRE MARSHAL'S DISCRETION.
6. SURFACE MOUNT FIRE EXTINGUISHER, TYPE TO MATCH AREA USE. LOCATE PER FIRE MARSHAL IF OTHER THAN INDICATED, TO CONFORM TO NFPA 10.
7. FIRE LINE CONTIGUES TO CITY MAIN, FIRE SPRINKLER CONTRACTOR IS RESPONSIBLE FOR ALL DETAILS AND PERMITS FOR CONNECTIONS TO CITY MAIN, G.C. TO PROVIDE THE FIRE LINE FROM THE MAIN TO THE BUILDING.
8. SMOKE DETECTOR PROVIDED BY RTU MANUFACTURER. CONTRACTOR TO WIRE TO RESET BOARD.
9. SMOKE DETECTOR TEST/RESET, REFERENCE DRAWING E200.
10. LOCATION OF SPRINKLER RISER. COORDINATE WITH G.C. FOR FIRE LINE TO BE RUN INTO BUILDING.

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**BUFFALO WINGS AND RINGS**  
720 BYPASS ROAD  
CAMPBELLVILLE, KY 42718



DRAWING ISSUE	DATE	11/25/20
	NO	
DESCRIPTION	BID AND PERMIT	

STAMP  
12.12.2020

**FIRE PROTECTION PLAN**  
SCALE: 1/4" = 1'-0"  
Drawn By: SEP Checked: SMV

PROJECT NUMBER  
20-0501

SHEET NUMBER  
FP100

FOR BID ONLY