

**LIFE SAFETY GENERAL NOTES**

- LIFE SAFETY SYSTEMS SHALL BE DESIGNED PER APPLICABLE FIRE PREVENTION CODE, ORDINANCE OR LAW.
- POST "NO PARKING - FIRE LANE" SIGNS ALONG APPROVED VEHICULAR ACCESS ROADS. COORDINATE LOCATIONS WITH LOCAL AUTHORITY HAVING JURISDICTION.
- AN ALL WEATHER FIRE ACCESS ROAD SHALL BE IN PLACE BEFORE ANY COMBUSTIBLE MATERIALS ARE PLACED ON SITE. COORDINATE WITH LOCAL AUTHORITY HAVING JURISDICTION.
- FIRE APPARATUS ACCESS ROADS SHALL BE UNOBSTRUCTED. ACCESS GATES SHALL BE APPROVED PRIOR TO INSTALLATION AND SHALL BE IN COMPLIANCE WITH O.S.H.A. GUIDELINES.
- COMMERCIAL DUMPSTERS OR CONTAINERS WITH A CAPACITY OF ONE AND A HALF CUBIC YARDS OR GREATER SHALL NOT BE STORED OR PLACED WITHIN FIVE FEET OF COMBUSTIBLE WALLS OR OPENINGS, UNLESS THESE ARE PROTECTED BY AN APPROVED AUTOMATIC FIRE SPRINKLER SYSTEM.
- BUILDING ADDRESS NUMBERS SHALL BE PROVIDED AT THE FRONT OF THE TENANT SPACE AND SHALL BE VISIBLE AND LEGIBLE FROM THE PUBLIC RIGHT-OF-WAY AND A MINIMUM OF 6" HIGH. NUMBERS SHALL CONTRAST WITH THEIR BACKGROUND. ADDRESS NUMBERS SHALL BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR.
- THE SUITE ADDRESS SHALL BE POSTED ON THE BUILDING WHERE IT IS CLEARLY VISIBLE FROM THE FIRE LANE. THE SUITE ADDRESS MUST BE POSTED IN NUMBERS THAT ARE A MINIMUM OF 4" TALL, ARE OF CONTRASTING COLOR WITH THE BACKGROUND ON WHICH THEY ARE MOUNTED AND WILL BE LOCATED SUCH THAT THEY ARE READILY VISIBLE DURING THE NIGHTTIME HOURS.
- THE ADDRESS SHALL BE PERMANENTLY POSTED ON UTILITY SERVICE DISCONNECTS IN NUMBERS A MINIMUM OF 1" TALL AND ON THE SERVICE DOOR IN NUMBERS A MINIMUM OF 4" TALL.
- A KNOX BOX IS TO BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. VERIFY WITH THE LOCAL AUTHORITY THIS REQUIREMENT AND COORDINATE LOCATION AS REQUIRED.
- COMPLETE PLANS AND SPECIFICATIONS FOR THE FIRE ALARM SYSTEMS, FIRE-EXTINGUISHING SYSTEMS, INCLUDING AUTOMATIC SPRINKLERS AND WET AND DRY STANDPIPES; HALON SYSTEMS AND OTHER SPECIAL TYPES OF AUTOMATIC FIRE-EXTINGUISHING SYSTEMS AND OTHER FIRE PROTECTION SYSTEMS AND APPURTENANCES SHALL BE SUBMITTED TO AUTHORITIES HAVING JURISDICTION FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- ENGINEERED AUTOMATIC FIRE SPRINKLER SYSTEM PLANS, CALCULATIONS AND SPECIFICATIONS SHALL BE DESIGNED BY AN APPROVED INSTALLER AND SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION PRIOR TO ANY WORK BEING COMPLETED TO THE SYSTEM.
- ENGINEERED AUTOMATIC FIRE ALARM AND DETECTION SYSTEM PLANS, CALCULATIONS AND SPECIFICATIONS SHALL BE DESIGNED BY AN APPROVED INSTALLER AND SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION PRIOR TO ANY WORK BEING COMPLETED TO THE SYSTEM.
- THE CENTER OF FIRE ALARM INITIATING DEVICES (BOXES) SHALL BE LOCATED ABOVE THE LEVEL OF THE FLOOR, WORKING PLATFORM, GROUND SURFACE OR SIDEWALK AS REQUIRED TO MEET APPLICABLE CODES, ORDINANCES AND LAWS.
- THE FIRE SPRINKLER SYSTEM SHALL BE SERVED BY A MONITORING METHOD AS REQUIRED BY THE APPLICABLE CODE, ORDINANCE OR LAW.
- THE INSTALLATION AND MODIFICATION OF THE FIRE SUPPRESSION SYSTEM, INCLUDING SANSUL SYSTEMS, SHALL COMPLY WITH THE BUILDING CODE AND N.F.P.A. MODIFICATIONS TO THE FIRE SUPPRESSION SYSTEM WILL BE PROVIDED, PERMITTED, INSTALLED AND INSPECTED UNDER A SEPARATE DEFERRED PERMIT APPLICATION.
- THE INSPECTION, HYDROSTATIC TESTING AND FLUSHING OF THE AUTOMATIC FIRE SPRINKLER SYSTEM AND/OR FIRE HYDRANTS SHALL BE WITNESSED BY THE PROPER FIRE DEPARTMENT REPRESENTATIVE AND NO UNDERGROUND PIPING SHALL BE COVERED OR HIDDEN FROM VIEW UNTIL THE PROPER FIRE DEPARTMENT REPRESENTATIVE HAS BEEN NOTIFIED AND GIVEN NO LESS THAN 48 HOURS IN WHICH TO INSPECT SUCH INSTALLATIONS.
- GENERAL CONTRACTOR TO FIELD VERIFY CONDITION OF EXISTING SPRINKLER SYSTEM PRIOR TO THE START OF SELECTIVE DEMOLITION. IF ITEMS ARE MISSING OR IN POOR REPAIR, GENERAL CONTRACTOR IS TO NOTIFY THE ARCHITECT AND CLIENT IMMEDIATELY.
- FIRE ALARM SYSTEMS SHALL BE DESIGNATED AS CLASS "A" SYSTEMS. GENERAL CONTRACTOR SHALL CONTACT THE LANDLORD DURING THE BIDDING PHASE OF THE PROJECT FOR ANY REQUIREMENTS FOR THE FIRE ALARM SYSTEMS. THESE SYSTEMS, IF REQUIRED, SHALL BE INCLUDED IN THE BID AND CONSTRUCTION FOR THIS PROJECT.
- REQUIRED EGRESS DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT AND SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL. SPECIAL LOCKING DEVICES SHALL BE OF AN APPROVED TYPE.
- EXITS SHALL BE ILLUMINATED AT ANY TIME THE BUILDING IS OCCUPIED WITH LIGHTS HAVING AN INTENSITY OF NOT LESS THAN 11.0 LUX AT FLOOR LEVEL, OR AS DIRECTED BY LOCAL CODE.
- EXIT SIGNS TO BE PROVIDED AND INSTALLED AS REQUIRED BY APPLICABLE CODES, ORDINANCES AND LAWS.
- PROVIDE APPROVED EXITING ILLUMINATION AND ILLUMINATED EXIT SIGNS WHICH ARE POWERED FROM SEPARATE CIRCUITS AND COMPLY WITH THE BUILDING CODE.
- ANY RATED WALL ASSEMBLIES AND/OR FLOOR/CEILING ASSEMBLIES LOCATED IN AN ATTIC SPACE OR IN A CONCEALED SPACE SHALL BE IDENTIFIED WITH PERMANENT SIGNAGE OR STENCILING. SUCH IDENTIFICATION SHALL BE LOCATED WITHIN 15'-0" OF THE END OF THE WALL AND AT INTERVALS NOT EXCEEDING 30'-0". LETTERING MUST BE NOT LESS THAN 3" IN HEIGHT WITH A MINIMUM 3/8" STROKE, IN CONTRASTING COLOR. INDICATE THE TYPE AND RATING OF THE CONSTRUCTION OR AS REQUIRED BY LOCAL CODE.
- OCCUPANT LOAD SIGN WITH MINIMUM 1" LETTERS AND NUMBERS SHALL BE POSTED NEAR MAIN EXIT.
- FIRE DAMPERS SHALL BE PROVIDED WHERE AIR DUCTS PENETRATE ANY FIRE RATED ASSEMBLIES.
- EXIT LIGHTING AND SIGNS SHALL HAVE 6" HIGH LETTERING IN ACCORDANCE WITH LOCAL CODES. PROVIDE LOW LEVEL EXIT SIGNS PER CODE REQUIREMENTS.
- FIRE DEPARTMENT FINAL INSPECTION REQUIRED.
- EXITS, EXIT SIGNS, FIRE ALARM PANELS, HOSE CABINETS, FIRE EXTINGUISHER LOCATIONS, AND STANDPIPE CONNECTIONS SHALL NOT BE CONCEALED BY CURTAINS, MIRRORS, OR OTHER DECORATIVE MATERIAL.
- FIRE EXTINGUISHER NOTES
  - PROVIDE AND INSTALL FIRE EXTINGUISHERS AS DIRECTED BY AUTHORITY HAVING JURISDICTION. EXTINGUISHERS IN BACK OF HOUSE AREAS MAY BE IN BRACKETS. PUBLIC AREAS ARE TO BE ENCLOSED IN RECESSED CABINETS, PAINTED TO MATCH ADJACENT WALL FINISH.
  - PROVIDE 'K' TYPE FIRE EXTINGUISHER IN KITCHEN AREAS, WITHIN 30'-0" OF TRAVEL FROM ANY POINT WITHIN THE KITCHEN OR FOOD PREPARATION AREAS. VERIFY INSTALLATION LOCATIONS WITH LOCAL FIRE MARSHAL PRIOR TO INSTALLATION.
  - 5 LB. 'ABC' FIRE EXTINGUISHERS ARE REQUIRED WITHIN 75'-0" OF TRAVEL FROM ANY POINT IN PUBLIC AREAS. THEY MUST BE MOUNTED CONSPICUOUSLY, PREFERABLE ALONG NORMAL TRAVEL PATHS AND EXIT WAYS. VERIFY INSTALLATION LOCATIONS WITH LOCAL FIRE MARSHAL PRIOR TO INSTALLATION.

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

**ABBREVIATIONS**

(E) EXISTING CONSTRUCTION	EL ELEVATION (VERTICAL HEIGHT)	HES TENANT'S HVAC EQUIPMENT SUPPLIER	MSS MUSIC SYSTEMS SUPPLIER	SPS SODA POP SUPPLIER	THS TENANT'S HARDWARE SUPPLIER	TSS TENANT'S SMART SAFE SUPPLIER
(N) NEW CONSTRUCTION	ELEC ELECTRIC(AL)	HS HOOD SUPPLIER	NIC NOT IN CONTRACT	SS SUPPORT SIGNAGE	TLN TENANT'S LIGHT/LAMP SUPPLIER	TSV TENANT'S SIGN VENDOR
@ AT	ELEV ELEVATION	HVAC HEATING AND VENTILATING	NO NUMBER	T TENANT	TAB TENANT'S TEST & BALLANCE VENDOR	TUV TENANT'S UV SUPPLIER
AFB ABOVE FINISH FLOOR	EQ EQUAL	ICP INITIAL COST PROJECTION	OC ON CENTER	TBD TO BE DETERMINED, SEE FIELD REFERENCE MANUAL	TMB TENANT'S MENU BOARD SUPPLIER	TYP TYPICAL
ARCH ARCHITECT(URAL)	EXT EXTERIOR	INT INTERIOR	PDC PROTECT DURING CONSTRUCTION	TCC TENANT'S CABLING CONTRACTOR	TP TENANT'S PHONE SUPPLIER	VIF VERIFY IN FIELD
ASS ALARM SYSTEM SUPPLIER	FC FOR CONSTRUCTION	KES KITCHEN EQUIPMENT SUPPLIER	POS POINT OF SALE PREPARATION	TEMS TENANT'S ENERGY MANAGEMENT SYSTEM SUPPLIER	TPS TENANT PANELBOARD SUPPLIER	WCS TENANT'S WALK-IN COOLER SUPPLIER
BD BOARD	FRP FIBERGLASS REINFORCED PANEL	MAX MAXIMUM	MECH MECHANICAL	RTU ROOF TOP UNITS	TRP TENANT'S RAILING SUPPLIER	WHS WATER HEATER SUPPLIER
BLDG BUILDING	GA GAUGE	MFR MANUFACTURER	MECH MECHANICAL		TRS TENANT'S RAILING SUPPLIER	Ø DIAMETER OR ROUND
CMU CONCRETE MASONRY UNIT	GALV GALVANIZED	MIN MINIMUM	MISC MISCELLANEOUS			
CO2 CO2 SUPPLIER	GC GENERAL CONTRACTOR					
CO2AS CO2 ALARM SUPPLIER						
DIM DIMENSION(S)						
EA EACH						

**CODE ANALYSIS**

**APPLICABLE CODES AND REGULATIONS**

\*INCLUDES STATE AND LOCAL PROVISIONS TO THE BUILDING CODE

BUILDING CODE:	2020 MINNESOTA BUILDING CODE
MECHANICAL CODE:	2020 MINNESOTA MECHANICAL CODE
PLUMBING CODE:	2020 MINNESOTA PLUMBING CODE
ENERGY CODE:	2024 MINNESOTA ENERGY CODE
FUEL GAS CODE:	2020 MINNESOTA FUEL GAS CODE
ELECTRICAL CODE:	2023 NATIONAL ELECTRICAL CODE
FIRE CODE:	2020 MINNESOTA FIRE CODE
FOOD CODE:	2019 MINNESOTA FOOD CODE, MINNESOTA RULES CHAPTERS 1346 & 4626
ACCESSIBILITY CODE(S):	2020 MINNESOTA ACCESSIBILITY CODE

**CH10 - MEANS OF EGRESS**

FUNCTION OF SPACE	SQUARE FOOTAGE	LOAD FACTOR	OCCUPANT LOAD
STANDING SPACE	93	5 SF (NET)	19
FIXED SEATING	36 SEATS	1 SEAT/OCC.	36
FIXED SEATING - BOOTHS	94'	24" BOOTH LENGTH/OCC.	04
KITCHEN (COMM.)	1,168	200 SF (GROSS)	06
BUSINESS AREA	56	150 SF (GROSS)	01
			POSTED OCCUPANT LOAD: 66

**RESTAURANT SEATING COUNT**

INTERIOR SEATING COUNT	39
EXTERIOR (PATIO) SEATING COUNT	20
TOTAL SEATING COUNT	59

**BASIS OF DESIGN**

CONSTRUCTION TYPE	TYPE V-B
OCCUPANCY TYPE	A-2
AREA FACTOR	SPRINKLERED, SINGLE STORY
BUILDING AREA	2,424 SQ FT.
OCCUPANT LOAD	66 OCC.

**CH3 - USE AND OCCUPANCY CLASSIFICATION**

OCCUPANCY GROUP & FUNCTION	GENERAL DESCRIPTION OF SITE
A-2; RESTAURANT	FIRST TENANT WITHIN EXISTING SHELL FOR RESTAURANT T.I.

**CH5 - GENERAL BUILDING HEIGHTS & AREAS**

OCCUPANCY CLASSIFICATION	A-2
ALLOWABLE BUILDING HEIGHT	45'-0"
PROPOSED BUILDING HEIGHT	21'-4"
A1 = BASIC ALLOWABLE AREA - BASED ON OCCUPANCY	A1 = 24,000 SQ FT.
PROPOSED BUILDING AREA	2,424 SQ. FT.

**CH6 - TYPES OF CONSTRUCTION**

BUILDING ELEMENT	FIRE RATING REQUIRED
PRIMARY STRUCTURAL FRAME	0 HOUR
BEARING WALLS	0 HOUR
NON-BEARING WALLS	0 HOUR
NON-BEARING WALLS AND PARTITIONS	0 HOUR
ROOF CONSTRUCTION	0 HOUR

**CH8 - INTERIOR FINISHES**

TYPE OF SPACE	FINISH CLASSIFICATION
INTERIOR EXIT PASSAGEWAYS	B
CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRS	B
ROOMS AND ENCLOSED SPACES	C

**CH9 - FIRE PROTECTION & LIFE SAFETY**

SPRINKLER SYSTEM:	SPRINKLERED
COMMENTS:	AUTOMATIC SPRINKLER SYSTEM REQUIRED PER MN RULE 1306
FIRE ALARM & DETECTION SYSTEM:	REQUIRED PER MN RULE 1305 SECTION 907
FIRE EXTINGUISHERS:	INSTALL AS REQUIRED

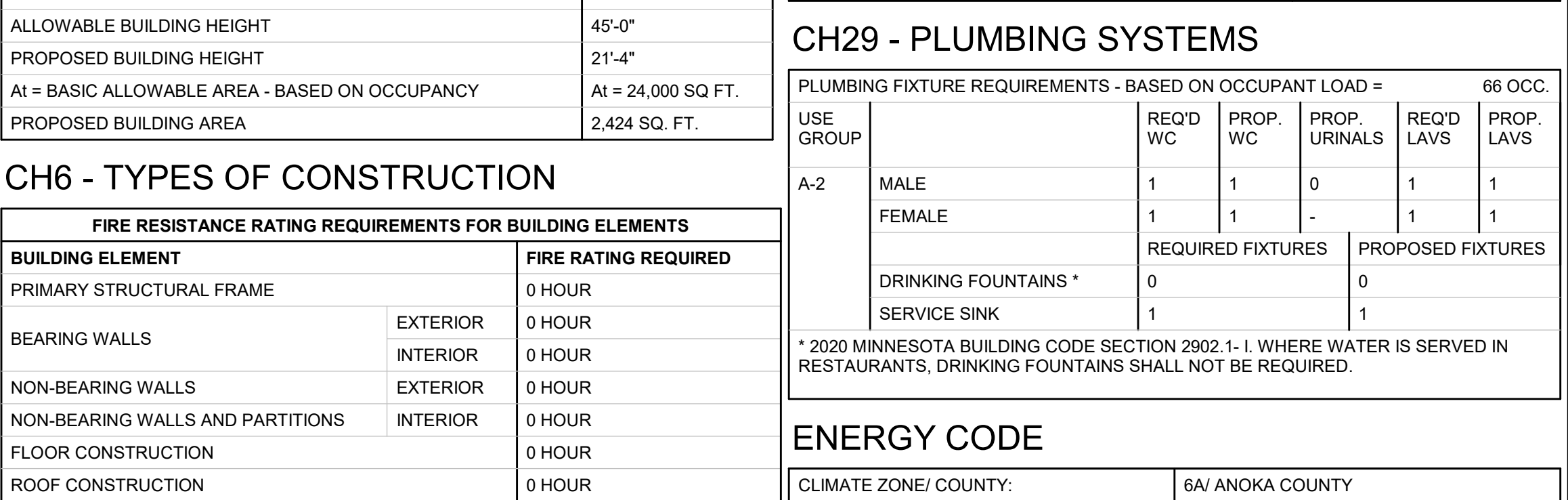
**CH29 - PLUMBING SYSTEMS**

PLUMBING FIXTURE REQUIREMENTS - BASED ON OCCUPANT LOAD = 66 OCC.					
USE GROUP	REQ'D WC	PROP. WC	PROP. URINALS	REQ'D LAVS	PROP. LAVS
A-2	1	1	0	1	1
MALE	1	1	-	1	1
FEMALE	1	1	-	1	1
REQUIRED FIXTURES			PROPOSED FIXTURES		
DRINKING FOUNTAINS *			0		
SERVICE SINK			1		

\* 2020 MINNESOTA BUILDING CODE SECTION 2902.1-1. WHERE WATER IS SERVED IN RESTAURANTS, DRINKING FOUNTAINS SHALL NOT BE REQUIRED.

**ENERGY CODE**

CLIMATE ZONE/ COUNTY:	6A/ ANOKA COUNTY
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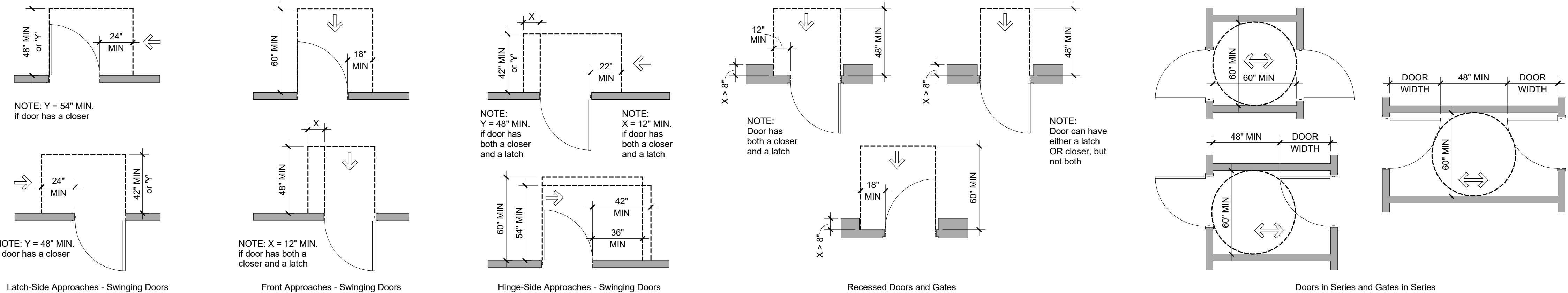


# 2020 MINNESOTA ACCESSIBILITY CODE

ALL INTERIOR CONSTRUCTION WITHIN THE SCOPE OF THIS PROJECT IS REQUIRED TO BE ACCESSIBLE AS SET FORTH IN THE '2020 MINNESOTA ACCESSIBILITY CODE, CHAPTER 1341. SECTIONS INDICATED ON THIS SHEET REFERENCE THE '2010 ADA STANDARDS FOR ACCESSIBLE DESIGN, UNLESS NOTED OTHERWISE.

## DOORS

- Doors, doorways, and gates that are part of an accessible route shall comply with 404.
- Door openings shall provide a clear width of 32 inches, unless the opening is more than 24 inches deep, in which case the clear width of the opening shall be 36 inches. For swinging doors, the clear width shall be measured between the face of the door and the stop, with the door open 90 degrees.
- There shall be no projections into the clear opening lower than 34 inches. Projections into the clear opening between 34 inches and 80 inches shall not exceed 4 inches.
- In accordance with 404.2.3 exception 2, door closers and stops shall be permitted to be a minimum of 78 inches above the floor or ground.
- Minimum maneuvering clearances at swinging doors shall comply with MN Accessibility Code Section 404.2.3.2, Table 404.2.3.2 and Figure 404.2.3.2.
- Fire doors shall have a minimum opening force allowable by the appropriate administrative authority.
- Hinged doors other than fire doors shall have an opening force of 5 pounds maximum.
- Sliding doors shall have an opening force of 5 pounds maximum.
- Door and gate surfaces shall comply with 404.2.10.
- Doors shall be permitted to swing into turning spaces, per 304.4.



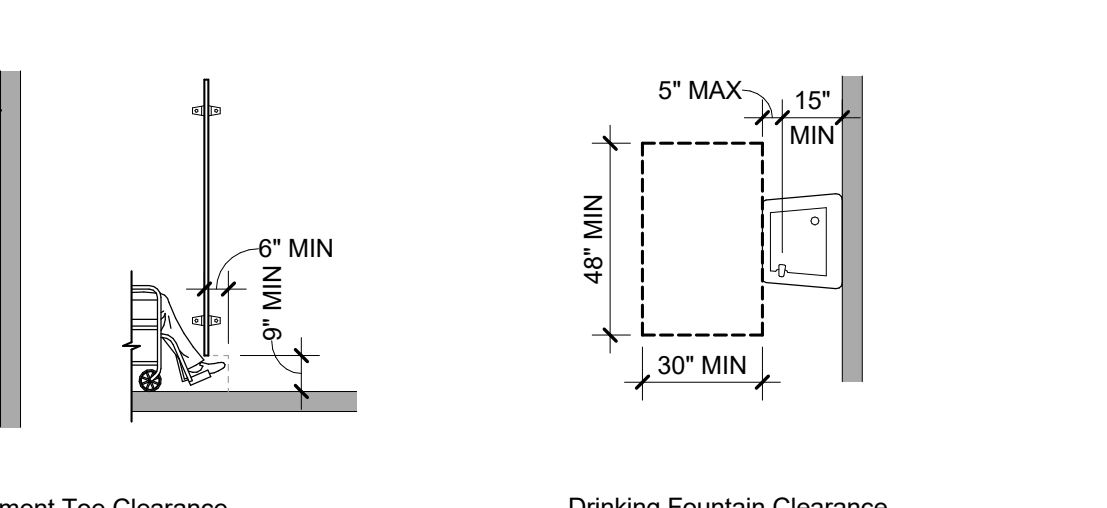
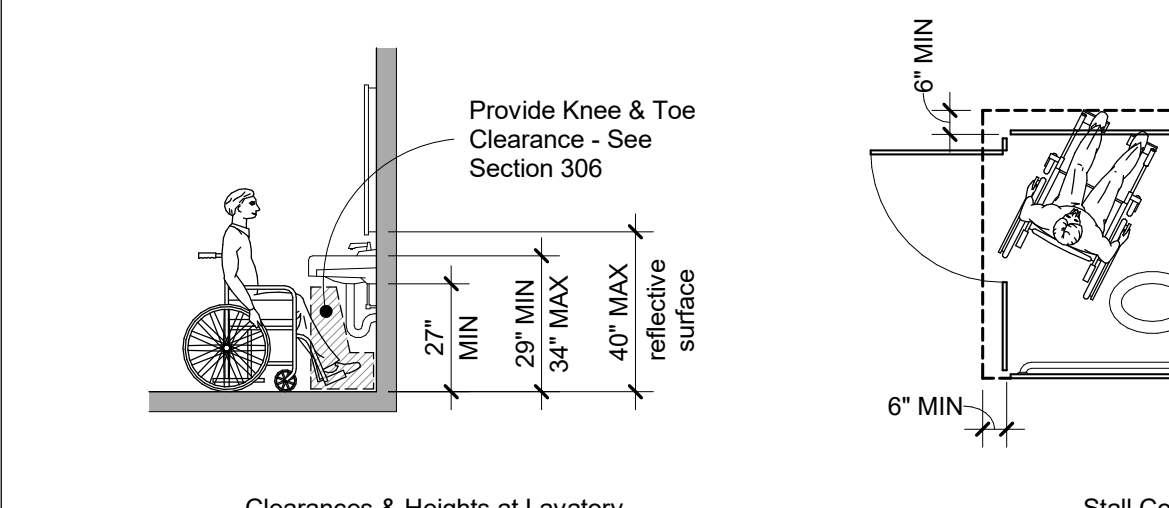
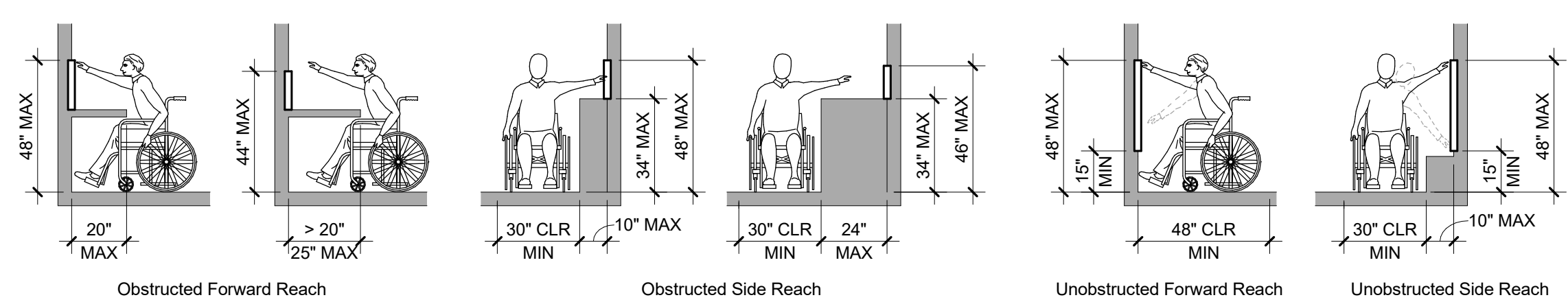
## RESTROOMS & DRINKING FOUNTAINS

- Where toilet facilities are provided, they shall comply with MN Accessibility Code Section 604. Where toilet rooms are provided, each toilet room shall comply with 603.
- Where toilet compartments are provided, at least one toilet compartment shall comply with 604.8.1. In addition to the compartment required to comply with 604.8.1, at least one compartment shall comply with 604.8.2 where six or more toilet compartments are provided, or where the combination of urinals and water closets totals six or more fixtures.
- Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40 inches maximum above finish floor or ground. Mirrors not located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35 inches maximum above the finish floor or ground.
- Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches minimum and 48 inches maximum above the finish floor.

- Water closets shall comply with 604.2 through 604.8.
- Toilet paper dispensers shall comply with MN Accessibility Code Section 604.7.
- Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.
- Grab bars shall be provided at water closets and shall comply with MN Accessibility Code Sections 604.5.
- Urinals shall comply with 605 and shall be either wall-hung or stall type urinals.
- Lavatories shall comply with 606. Faucets for lavatories shall comply with 606.4. Exposed pipes under lavatories shall be insulated or otherwise protected to prevent against contact.
- Drinking Fountains shall comply with sections 307 and 602.
- Clearance depth at an accessible water closet shall comply with MN Accessibility Code Section 604.3.2.

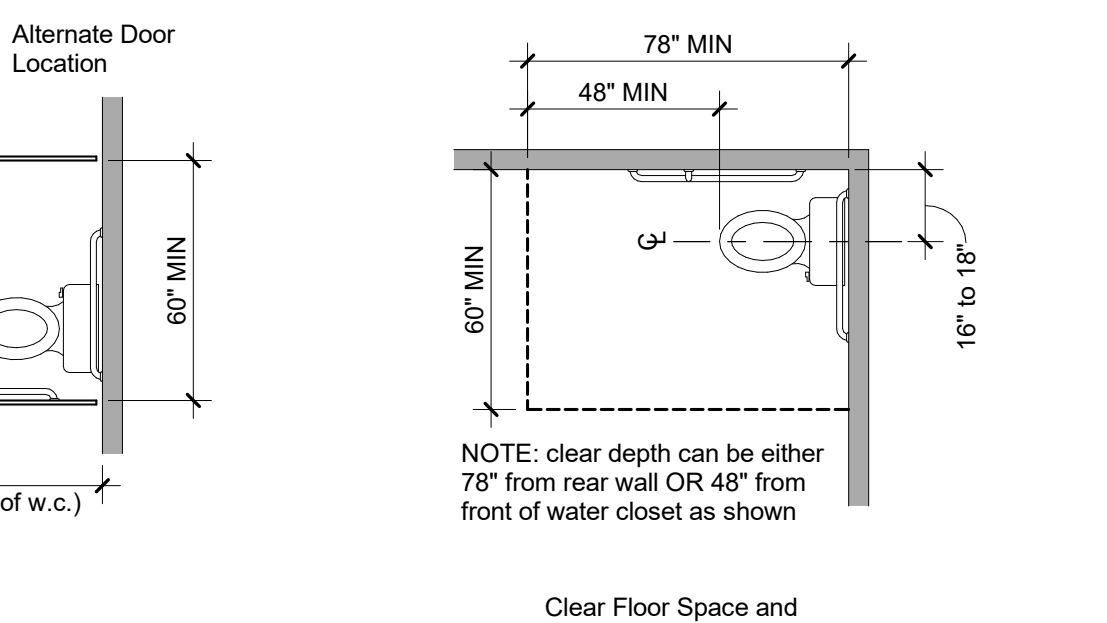
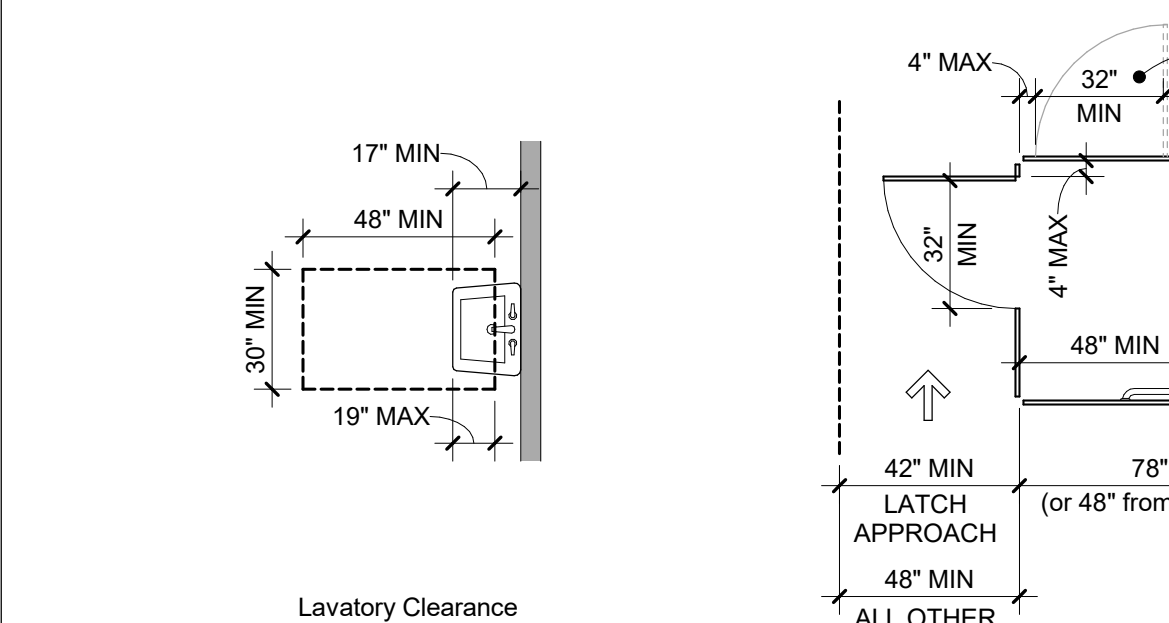
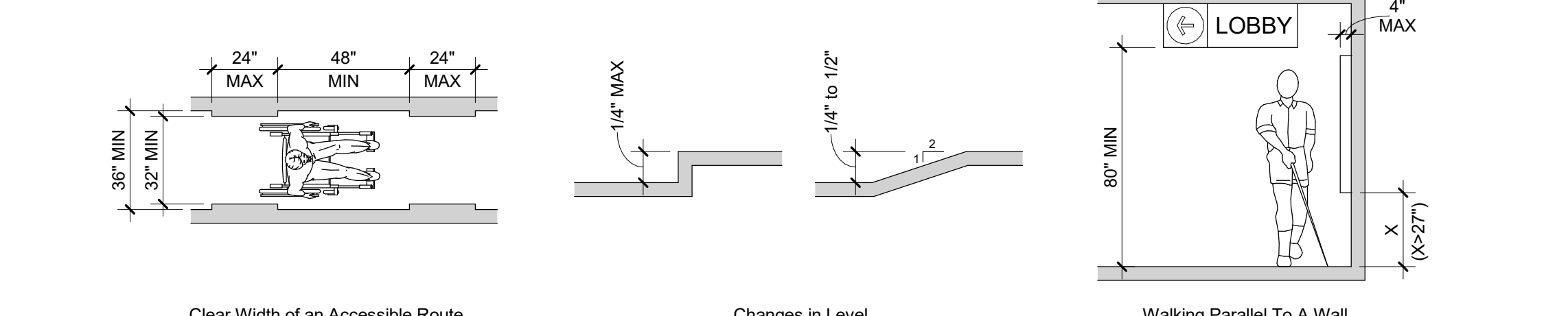
## REACH RANGES, CONTROLS & OPERATING MECHANISMS

- Reach ranges shall comply with 308.
- Operable parts shall comply with 309 and shall be placed within one or more of the reach ranges specified in 308.
- In accordance with 309.4, operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds maximum.



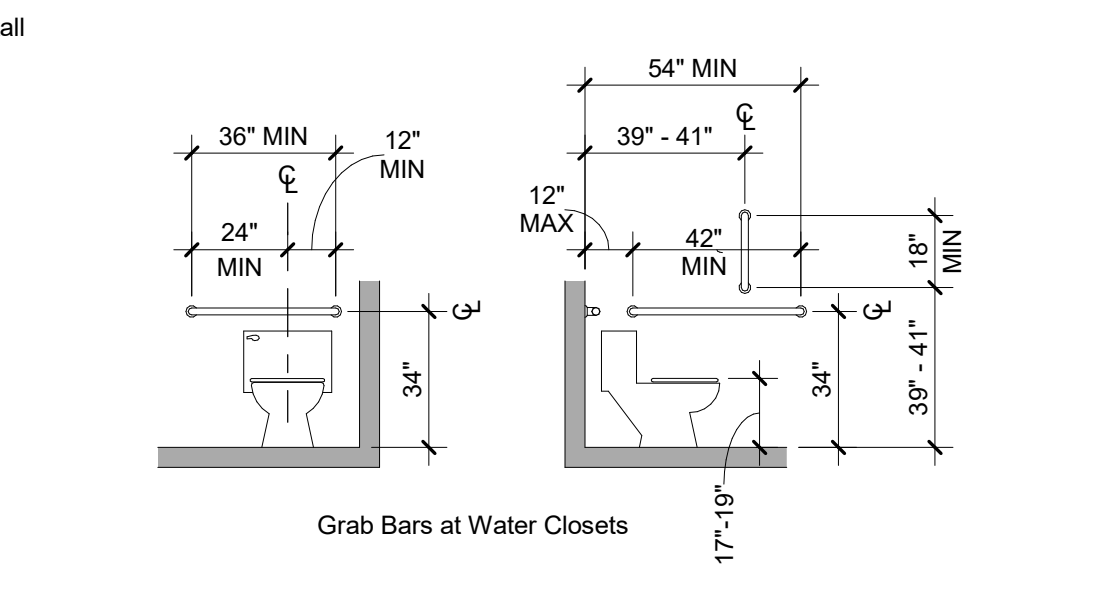
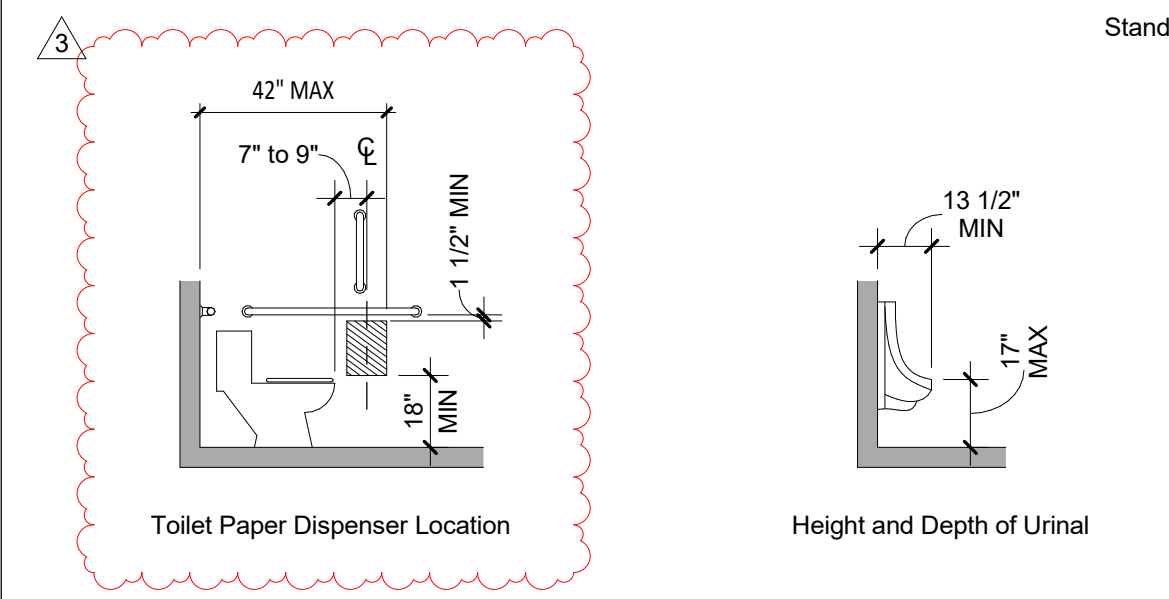
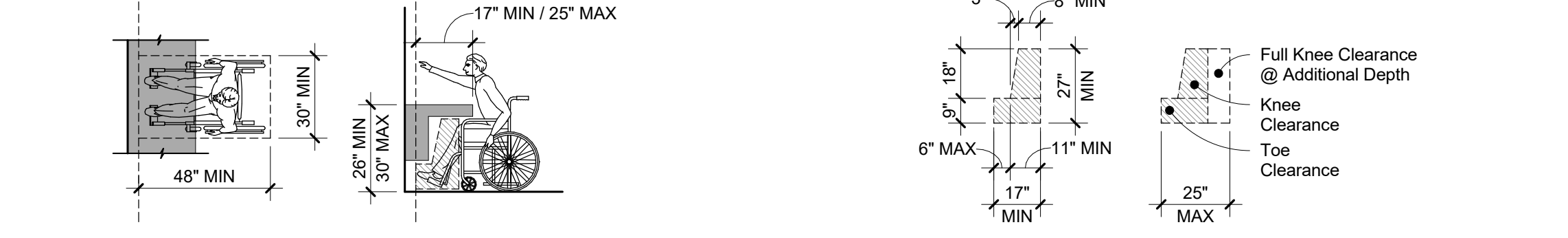
## PATH OF TRAVEL

- In accordance with MN Accessibility Code Section 1104, at least one accessible route shall connect accessible building or facility entrances with all accessible spaces and elements within the building or facility, which are otherwise connected by a circulation path unless exempted by 1104.3.1, exceptions 1-3.
- The running slopes of walking surfaces that are part of an accessible route shall not be steeper than 1:20 with a cross slope that is not steeper than 1:48.
- Changes in level shall comply with 303.
- The clear width of walking surfaces on an accessible route shall comply with 403.5.1.
- The clear width at turns along an accessible route shall comply with 403.5.2.
- In accordance with 403.5.3, an accessible route with a clear width of less than 60 inches shall provide passing spaces at intervals of 200 feet.



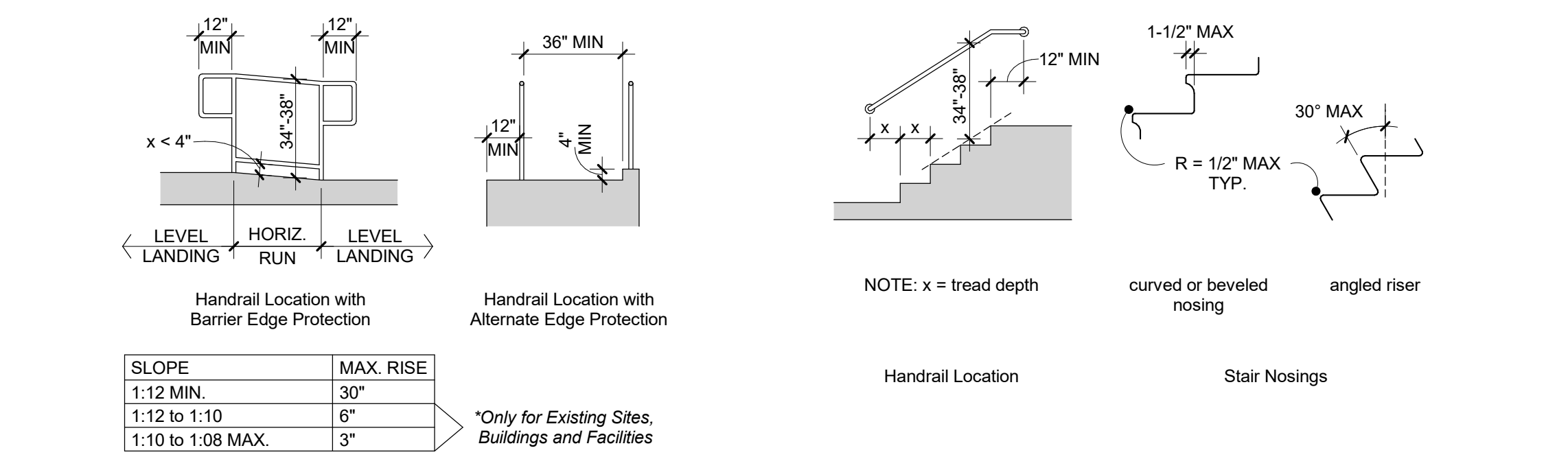
## SEATING AT TABLES & COUNTERS

- Where dining surfaces are provided for the consumption of food and drink, at least 5 percent of the seating spaces and standing spaces at the dining surfaces shall comply with 902. In addition, where work surfaces are provided for use by other than employees, at least 5 percent shall comply with 902.
- Dining surfaces and work surfaces required to comply with 902 shall be dispersed throughout the space or facility containing dining surfaces and work surfaces.
- Dining surfaces and work surfaces shall comply with 902.2 and 903.3.



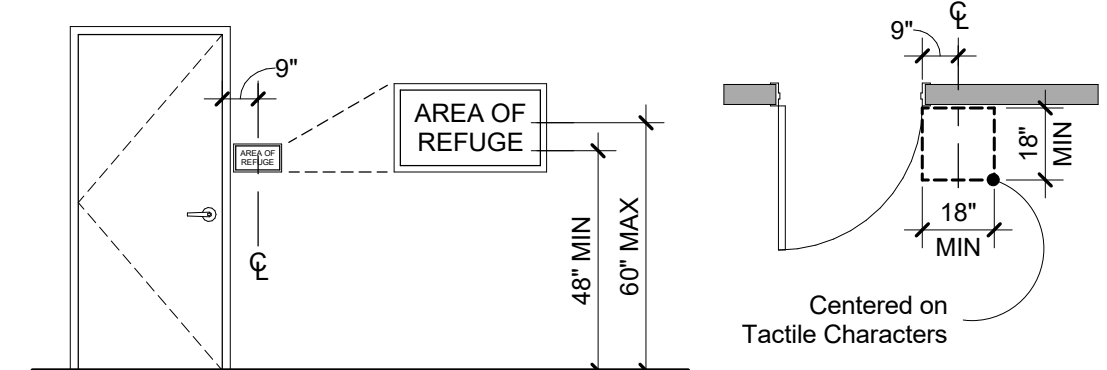
## STAIRS AND RAMPS

- Ramps on accessible routes shall comply with 405.
- Ramp runs shall have a running slope not steeper than 1:12 with a cross slope not steeper than 1:48.
- The clear width of a ramp run or (where handrails are provided) the clear width between handrails shall be 36 inches minimum.
- The rise for any ramp run shall be 30 inches maximum.
- Ramps shall have landings at the top and the bottom of each ramp run complying with 405.7.
- Ramps with a rise greater than 6 inches shall have handrails complying with 505.
- Edge protection complying with 405.9.1 or 405.9.2 shall be provided on each side of ramp runs and each side of ramp landings.
- Stairs that are part of a means of egress shall comply with 504.
- All steps on a flight of accessible stairs shall have uniform riser heights and uniform tread depths. Risers shall be between 4 inches and 7 inches in height. Treads shall be 11 inches deep minimum.
- Open risers are not permitted.
- Nosings at steps shall comply with 504.5.
- Stairway handrails shall comply with 505.



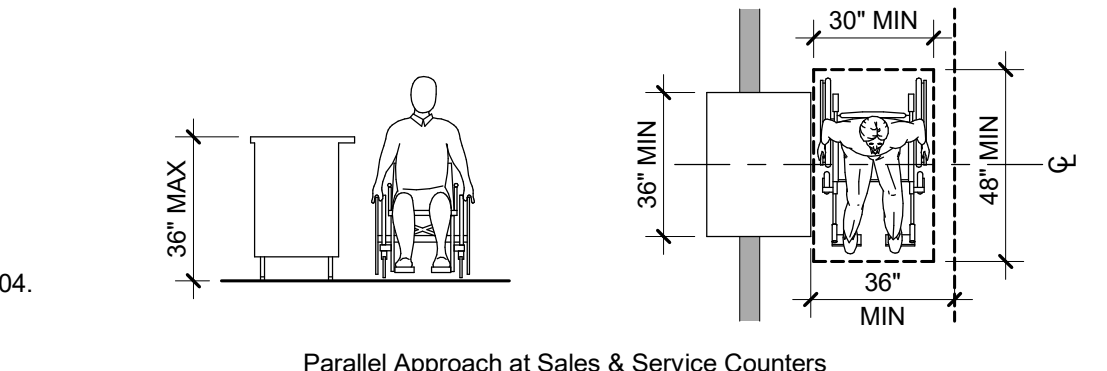
## SIGNAGE

- Signs shall be provided in accordance with MN Accessibility Code Section 1110 and shall comply with 703.
- Signs identifying permanent rooms and spaces shall comply with 703.1, 703.2, and 703.5. Where pictograms are provided as designations of permanent rooms and spaces, the pictograms shall comply with 703.6 and shall have text descriptors complying with 703.2 and 703.6.
- Signs that provide direction to or information about spaces and facilities shall comply with 703.5.
- Signs for means of egress shall comply with MN Accessibility Code Section 1110.4.
- Where more than one check-out aisle is provided, check-out aisles complying with 904.3 shall be identified by the International Symbol of Accessibility complying with 703.7.2.1. Where check-out aisles are identified by numbers, letters, or functions, signs identifying check-out aisles complying with 904.3 shall be located in the same location as the check-out aisle identification.



## FOODSERVICE LINES, TABLEWARE AREAS & CHECKOUT AISLES

- Where check-out aisles are provided, check-out aisles complying with 904.3 shall be provided in accordance with MN Accessibility Code Table 1109.12.2 and shall be dispersed.
- Where provided, at least one of each type of sales counter and service counter shall comply with 904.4. Where counters are dispersed throughout the building or facility, counters complying with 904.4 also shall be dispersed.
- Food service lines shall comply with 904.5. Where self-service shelves are provided, at least 50 percent, but no fewer than one, of each type provided shall comply with 308.
- Queues and waiting lines servicing counters or check-out aisles required to comply with 904.3 or 904.4 shall comply with 403.
- Check-out aisles and sales and service counters shall comply with the applicable requirements of 904.
- All points of counters required to comply with 904 shall be located adjacent to a walking surface complying with 403.



CONSULTANT:  
**WILKUS ARCHITECTS**

CLIENT:  
**CHIPOTLE MEXICAN GRILL**

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PROJECT INFORMATION:  
STORE NO.: #5307  
"CLOCKTOWER COMMONS"  
CROSSTOWN BLVD NW & HANSON  
BLVD NW  
ANDOVER, MN 55304

SEAL:  
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.  
Matthew M. Wilkus LICENSE # 54678  
DATE: January 08, 2025

PROJECT NO. 2023-0519  
DRAWN BY TRC  
CHECKED BY DRL

ISSUE RECORD:  
06/03/2024 PERMIT SET  
08/20/2024 BID SET  
11/12/2024 CONSTRUCTION SET

REVISIONS:  
3 12.19.2024 CB#01

TITLE:  
**ACCESSIBILITY STANDARDS**

SHEET NUMBER:  
**G002**

# RESTROOM ACCESSORIES

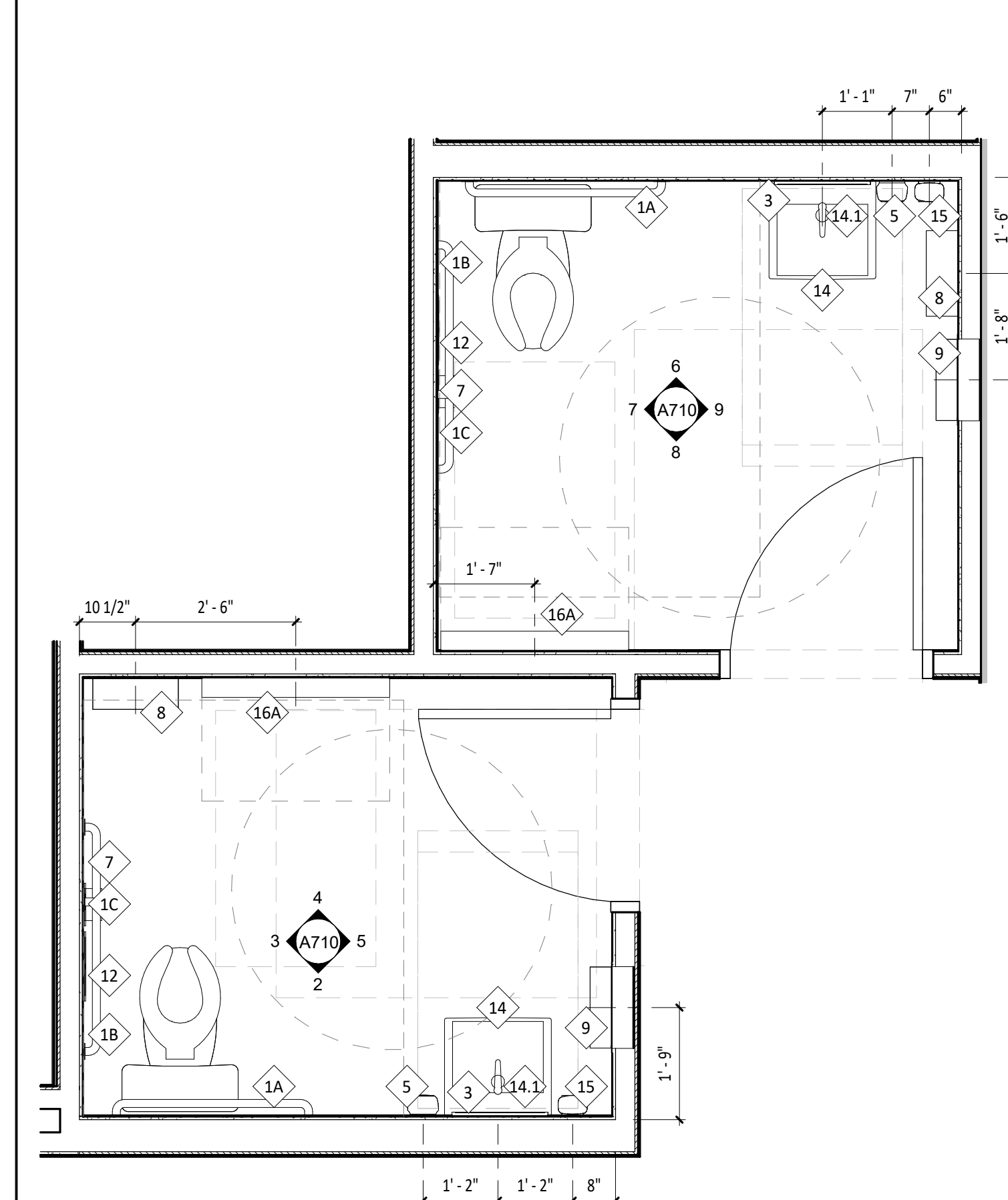
ITEM #	DESCRIPTION	MANUF	MODEL	QTY	PROVIDED BY	INSTALLED BY	UTILITY				MOUNTING HEIGHT	REMARKS
							ELEC	GAS	WATER	SEWER		
1A	Grab Bar - 36in	ASI	3501-36	2	WA	GC					REFER TO SHEET G002	Provide Plywood Blocking to Mount to Wall
1B	Grab Bar - 42in	ASI	3501-42	2	WA	GC					REFER TO SHEET G002	Provide Plywood Blocking to Mount to Wall
1C	Grab Bar - 18in	ASI	3501-18	2	WA	GC					REFER TO SHEET G002	Provide Plywood Blocking to Mount to Wall
3	Mirror	ASI	600-B1836	2	WA	GC					Bottom Edge of Reflecting Surface at 40" AFF	Provide Plywood Blocking to Mount to Wall
5	Touch-Free Soap Dispenser	Purell	C58	2	WA	GC					47 1/2" AFF To Top Of Dispenser	
7	Recessed Toilet Paper Dispenser	ASI	0031	2	WA	GC					29" AFF to Top of Unit	
8	Utility Shelf	ASI	0692	2	WA	GC					46" AFF To Top Of Shelf	Recess Mounted in Wall - Rough Opening: 6 1/4"W X 12 1/4"H X 3 3/8"D
9	Recessed Convertible Paper Towel Dispenser and Waste Receptacle, Recess Mounted in Wall	Bobrick	B-3944	2	WA	GC					Bottom of Unit at Top of Base, Bottom of Dispenser to be at 40" AFF, Recess Mounting In Wall	Top of Rough Opening: 29 1/4" AFF Provide Toggle Bolts to Mount to Wall
12	Napkin Disposal - Recessed	ASI	0473	2	WA	GC					Top of Rough Opening @ 29" AFF	Rough Opening: 16"W x 54 3/4"H x 4" D. Provide Plywood Blocking to Mount to Wall
14	Restroom Hand Sink	Kohler	K-2084	2	GC	GC					Mount Bottom of Front Edge Of The Sink At Exactly 29" AFF	Recess Mounted in Wall - Rough Opening: 11 1/4"W X 15 3/4"H X 4"D
14.1	Restroom Hand Sink Faucet	T&S	EC-3102-TMV-LF-05	2	KES	GC						To Be Furnished With .5 GPM Aerator Installed. Thermostatic mixing valve is also included.
15	Hand Sanitizer Dispenser	Purell	E58	2	WA	GC					Align T.O. Unit With T.O. Soap Dispenser	
16A	Surface Mounted Horizontal Baby Changing Station	Koala Care	KB200-05	2	WA	GC					Mount Bottom of Open Changing Bed at Exactly 27" AFF	GC to Provide adequate blocking to support the baby changing equipment. Blocking shall be installed in such a manner to not damage or compromise the rated assembly of the existing wall construction

# GENERAL NOTES - RESTROOM

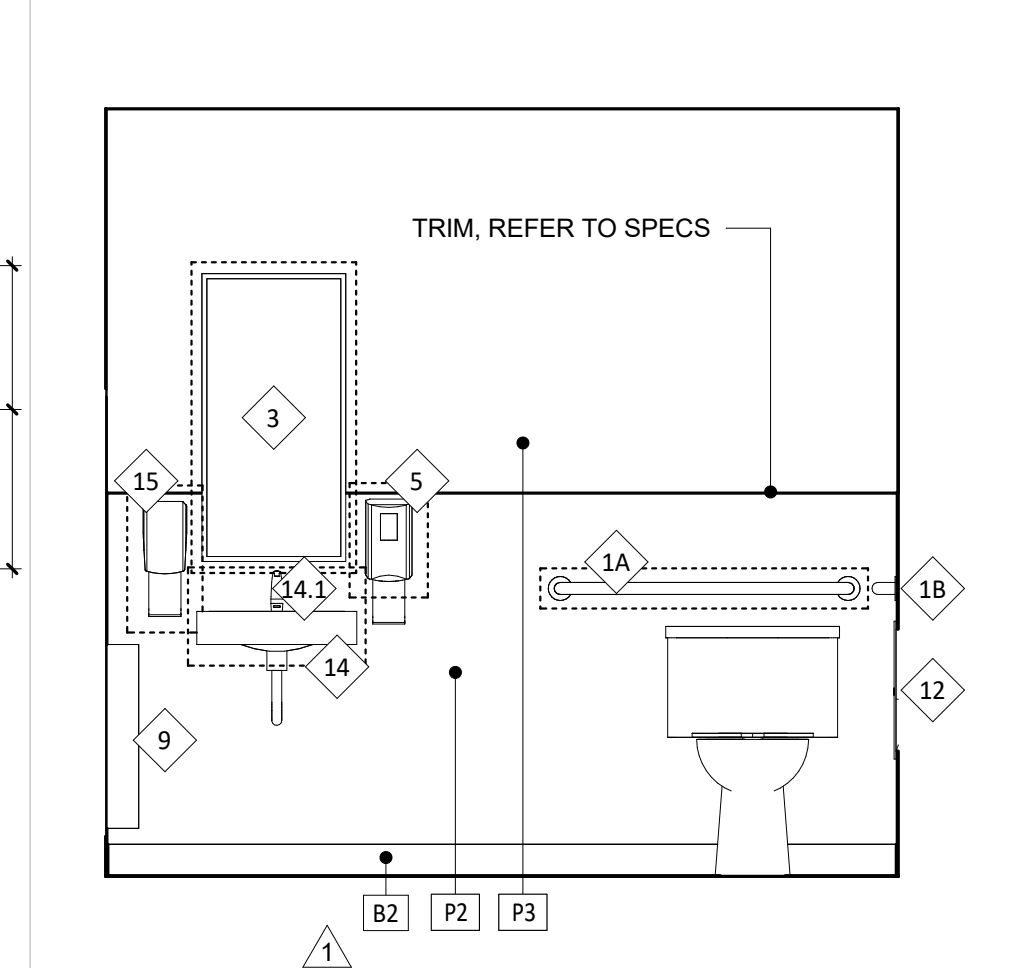
- A. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE NOTES.
- B. REFER TO A801 FOR FINISH DETAIL NOTES.
- C. ALL ACCESSORIES SHALL BE AS MANUFACTURED BY AMERICAN SPECIALTIES INC OR TENANT APPROVED EQUIVALENT UNLESS DESIGNATED OTHERWISE. PROVIDE SOLID FRT WOOD BLOCKING AS NECESSARY FOR INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS. SEE SHEET G002 FOR ACCESSIBILITY GUIDELINES & MOUNTING HEIGHT REQUIREMENTS.
- D. REFER TO A120 FOR FINISH SCHEDULE.
- E. REFER TO A201 AND ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.

# ELEVATION LEGEND

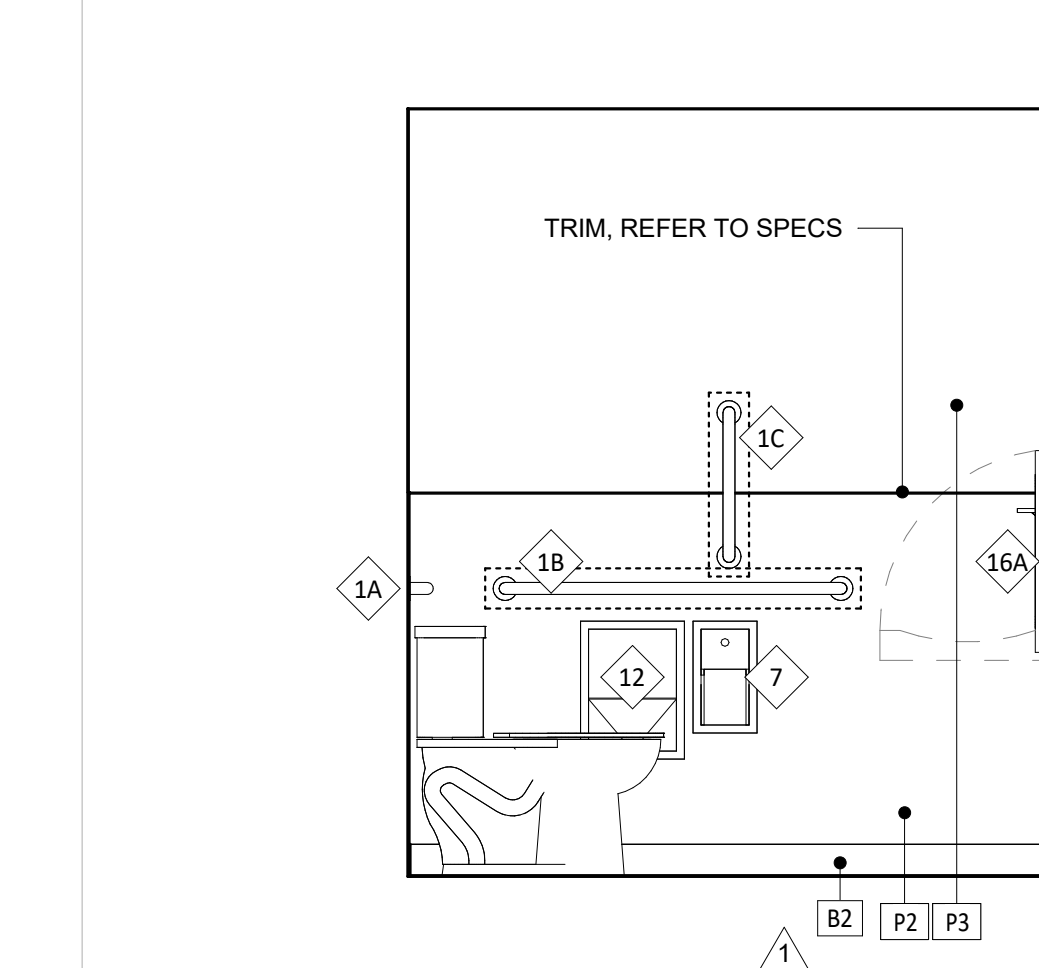
--- DENOTES WOOD BLOCKING IN WALL BEHIND WALL MOUNTED OBJECT U.N.O.



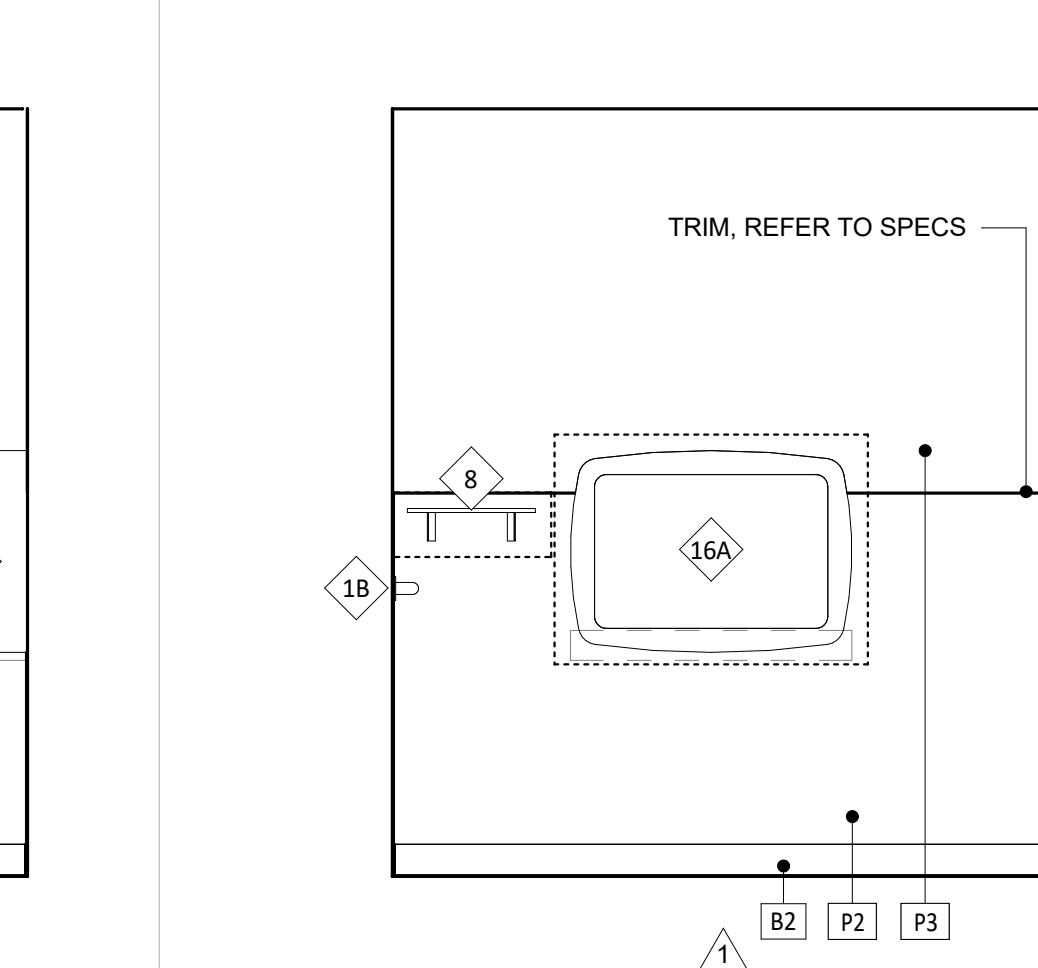
**1 ENLARGED PLAN**  
SCALE: 1/2" = 1'-0"



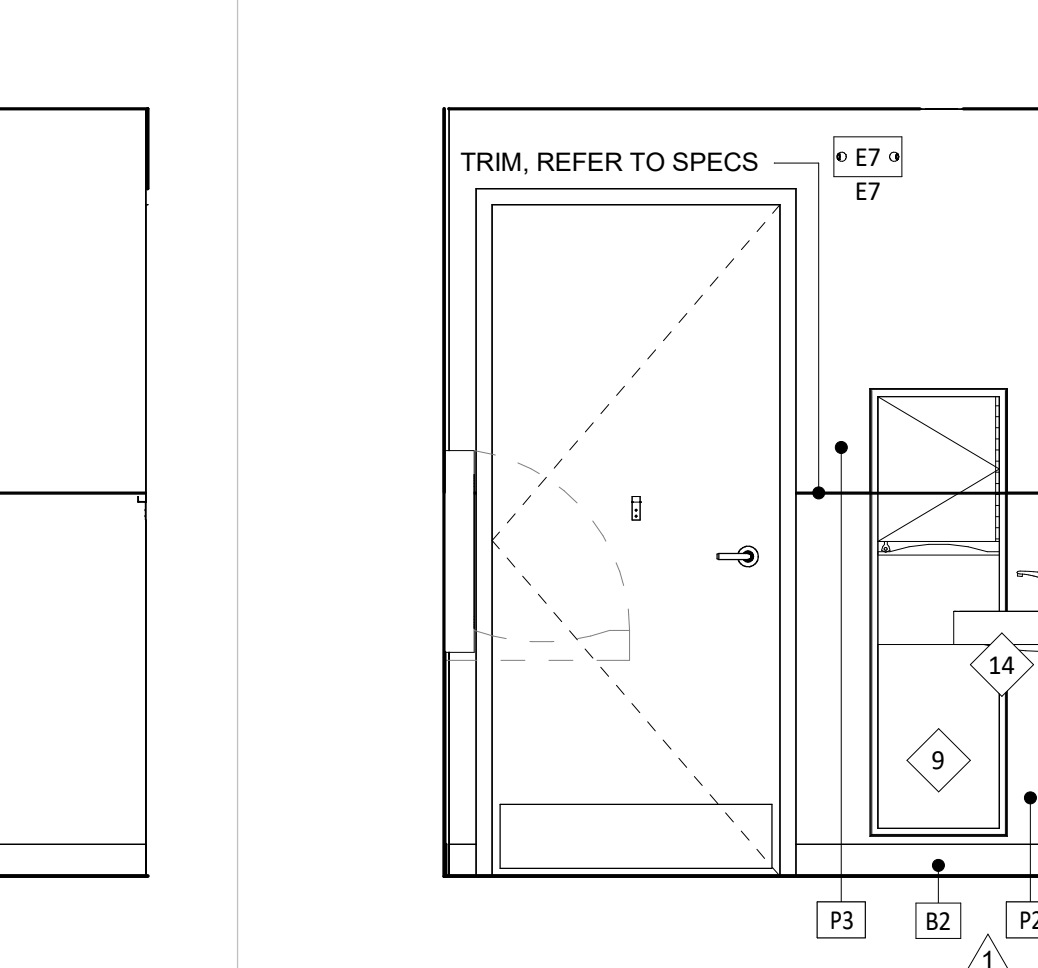
**2 UNISEX 1 RESTROOM**  
SCALE: 1/2" = 1'-0"



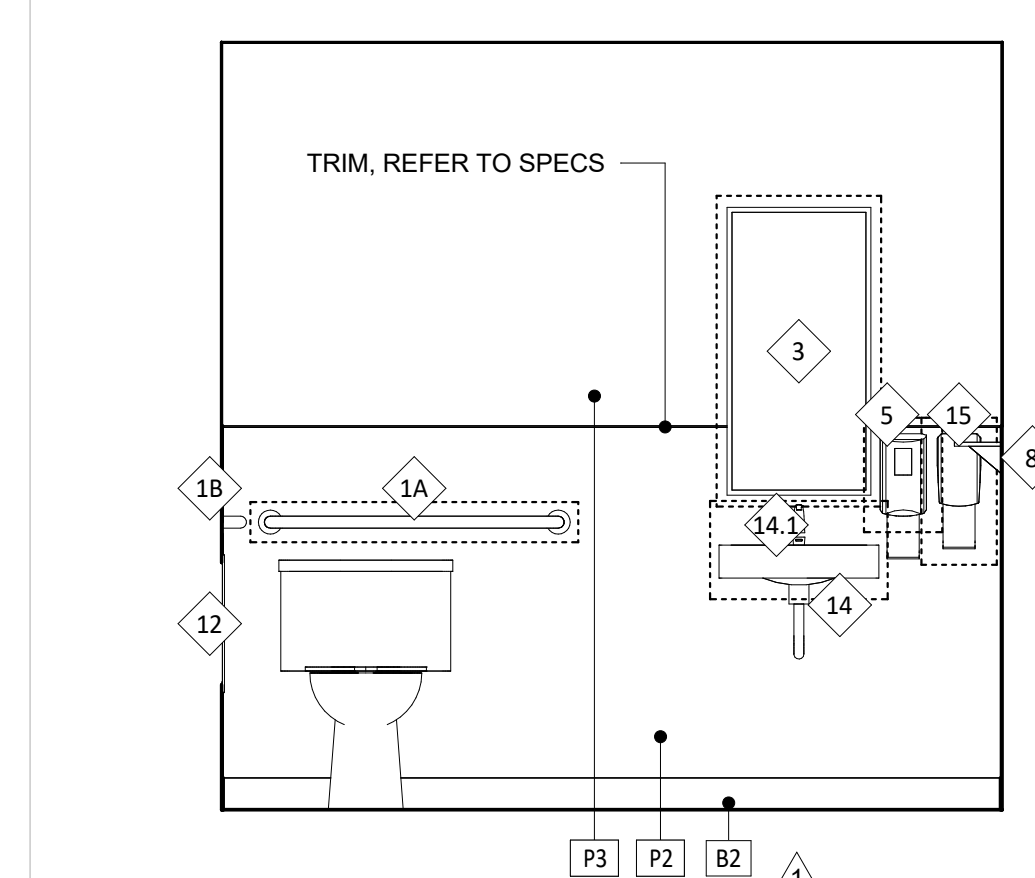
**3 UNISEX 1 RESTROOM**  
SCALE: 1/2" = 1'-0"



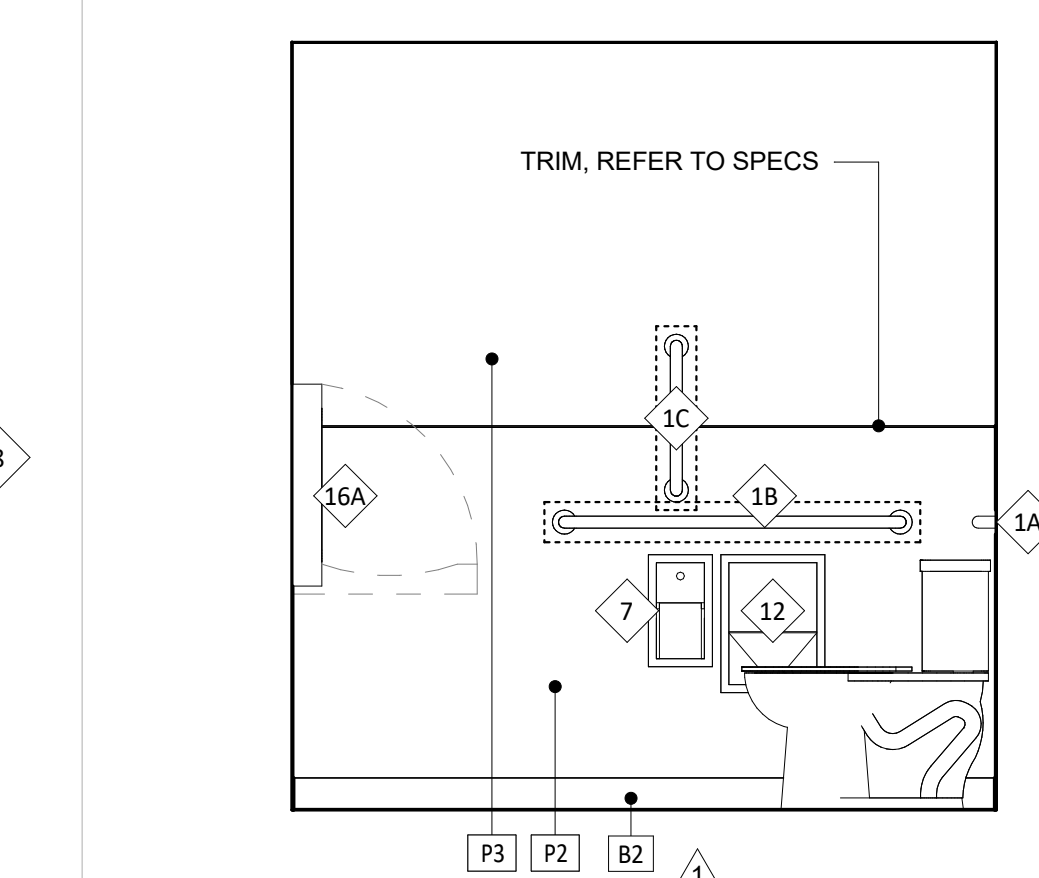
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SCALE: 1/2" = 1'-0"



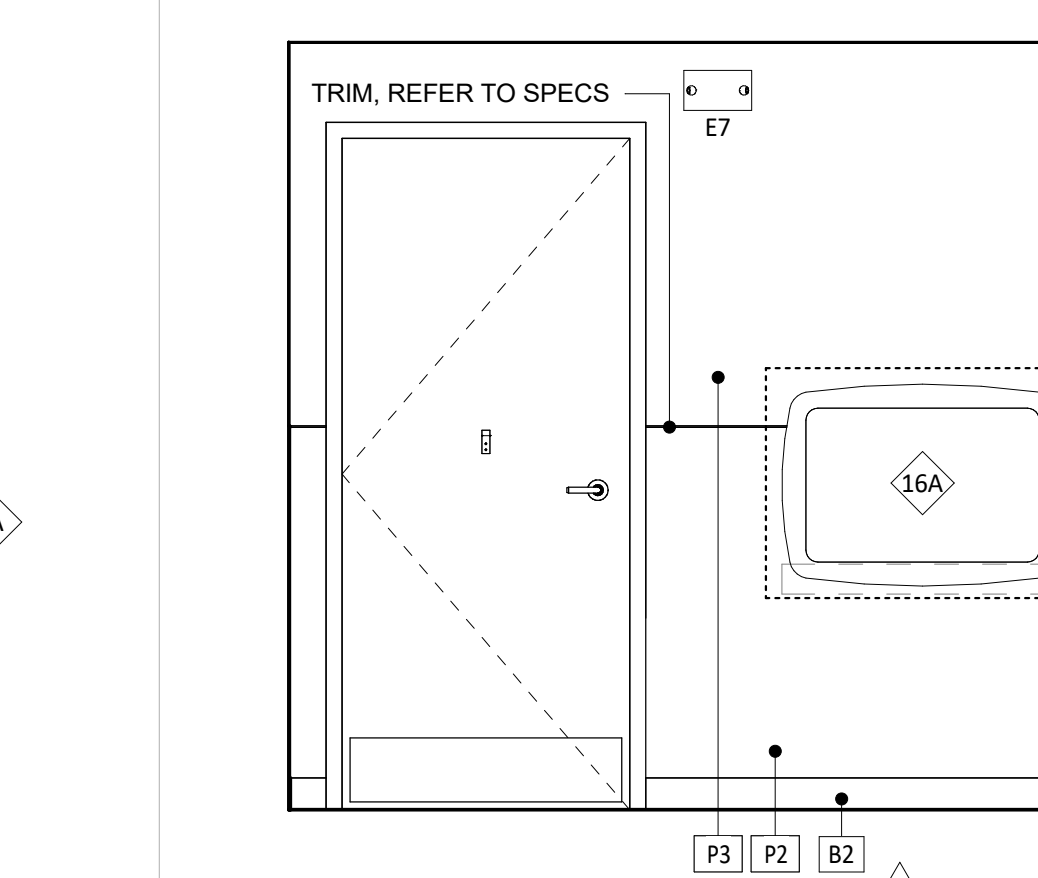
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SCALE: 1/2" = 1'-0"



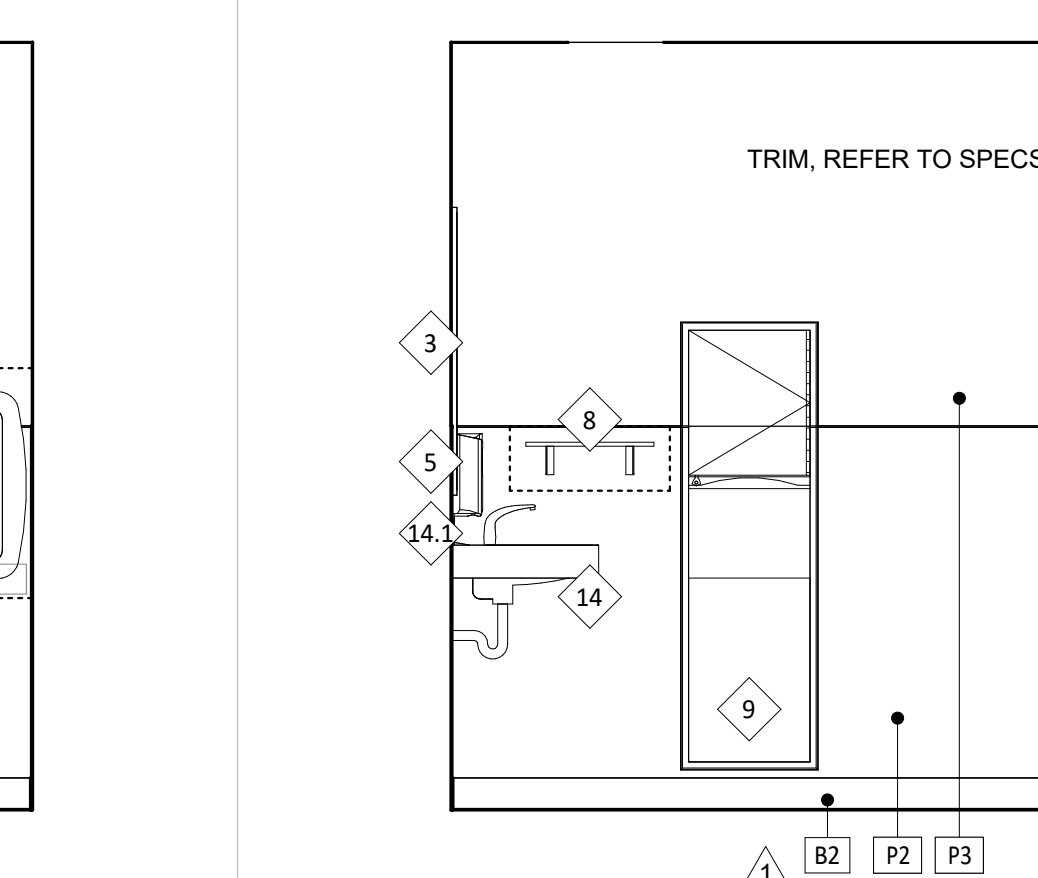
**6 UNISEX 2 RESTROOM**  
SCALE: 1/2" = 1'-0"



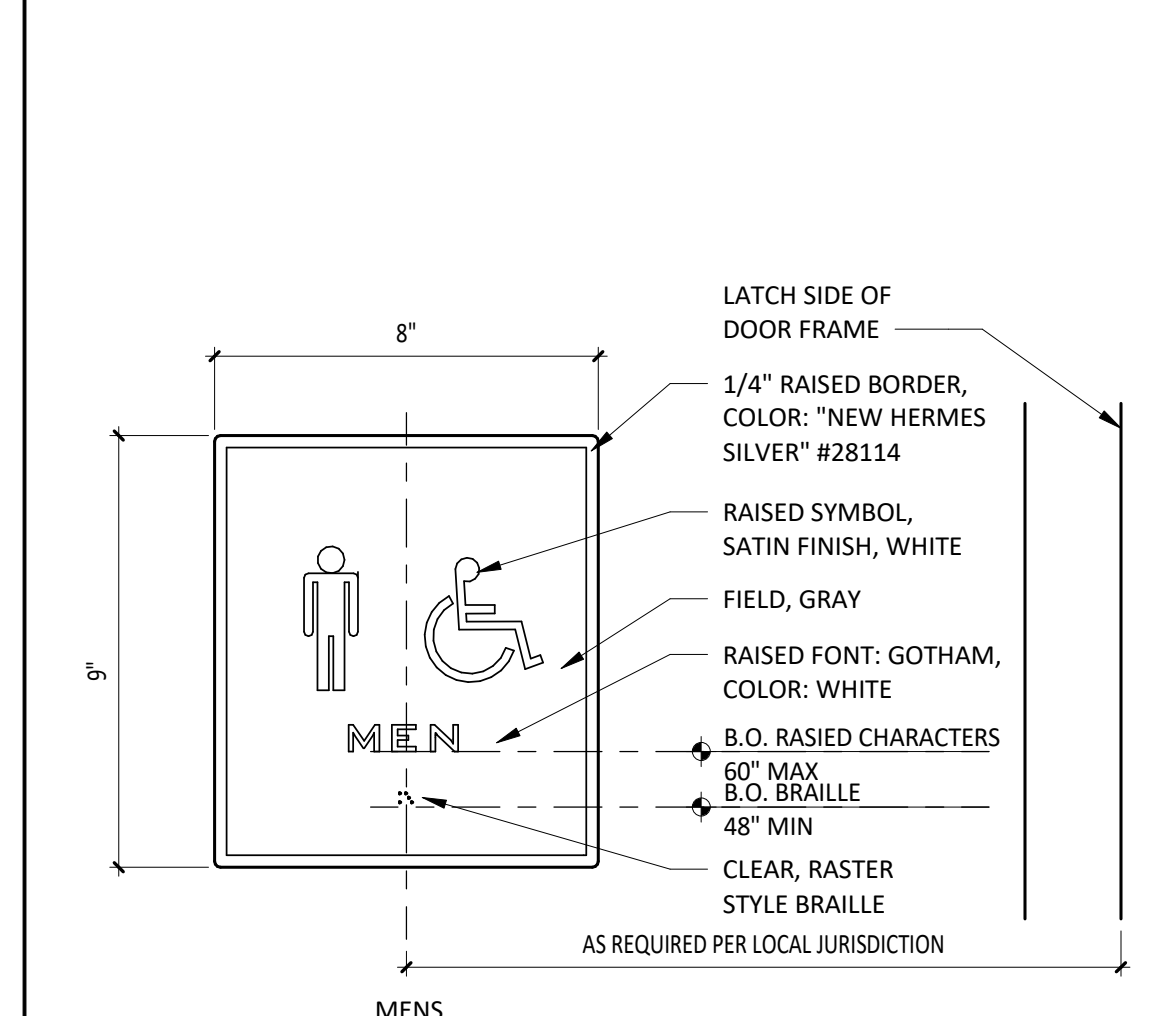
**7 UNISEX 2 RESTROOM**  
SCALE: 1/2" = 1'-0"



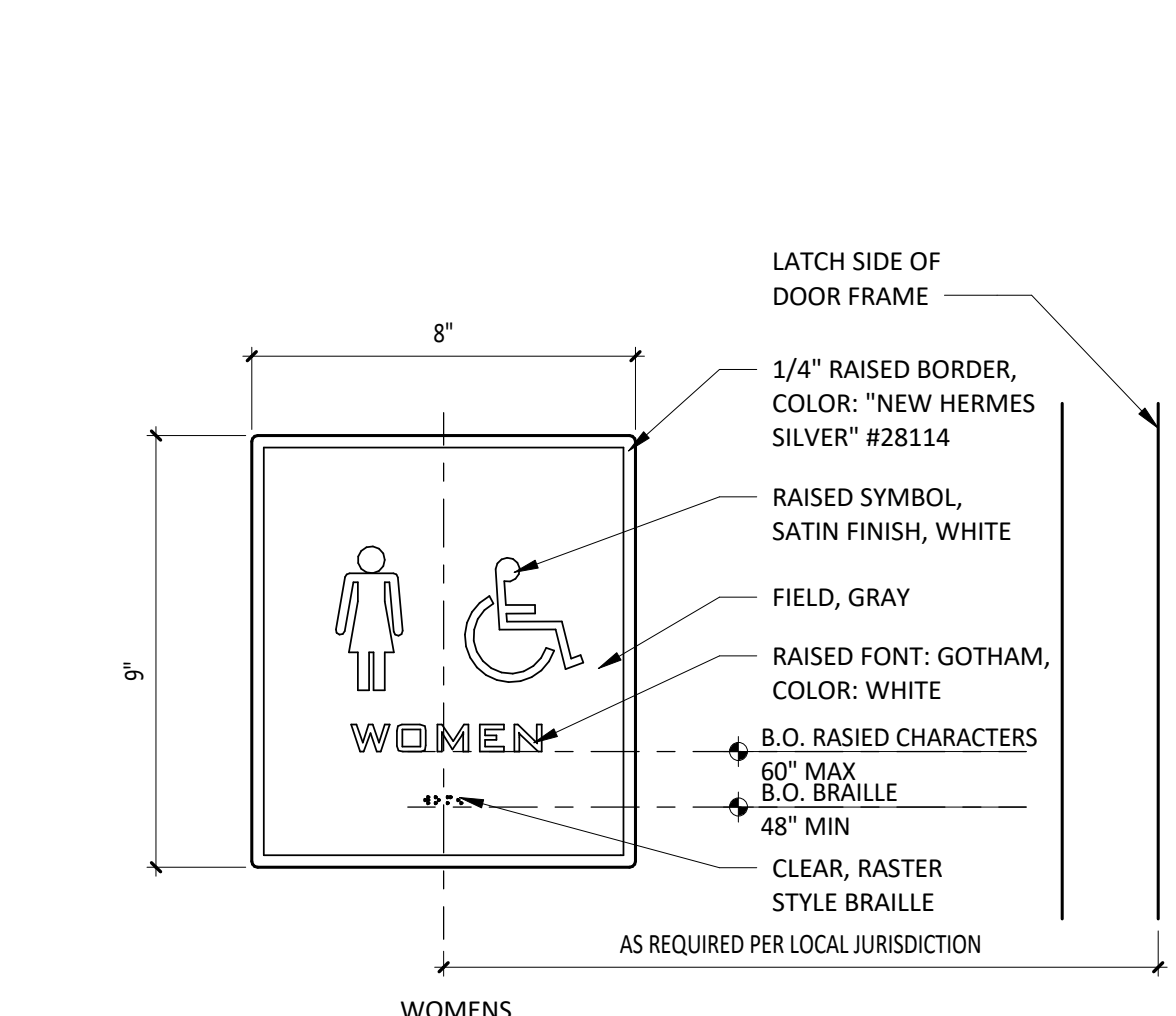
**8 UNISEX 2 RESTROOM**  
SCALE: 1/2" = 1'-0"



**9 UNISEX 2 RESTROOM**  
SCALE: 1/2" = 1'-0"



**10 TYPICAL RESTROOM SIGNAGE**  
SCALE: 3" = 1'-0"



**10 TYPICAL RESTROOM SIGNAGE**  
SCALE: 3" = 1'-0"



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PROJECT INFORMATION:

STORE NO.: #5307  
"CLOCKTOWER COMMONS"  
CROSSTOWN BLVD NW & HANSON  
BLVD NW  
ANDOVER, MN 55304

SEAL:

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Matthew M. Wilkus LICENSE # 54678  
DATE January 08, 2025

PROJECT NO. 2023-0519  
DRAWN BY TRC  
CHECKED BY DRL

ISSUE RECORD:  
06/03/2024 PERMIT SET  
08/20/2024 BID SET  
11/12/2024 CONSTRUCTION SET

REVISIONS:  
1 07.03.2024 Health Comments  
3 12.19.2024 CB#01

TITLE:  
**RESTROOM INFORMATION**

SHEET NUMBER:  
**A710**

















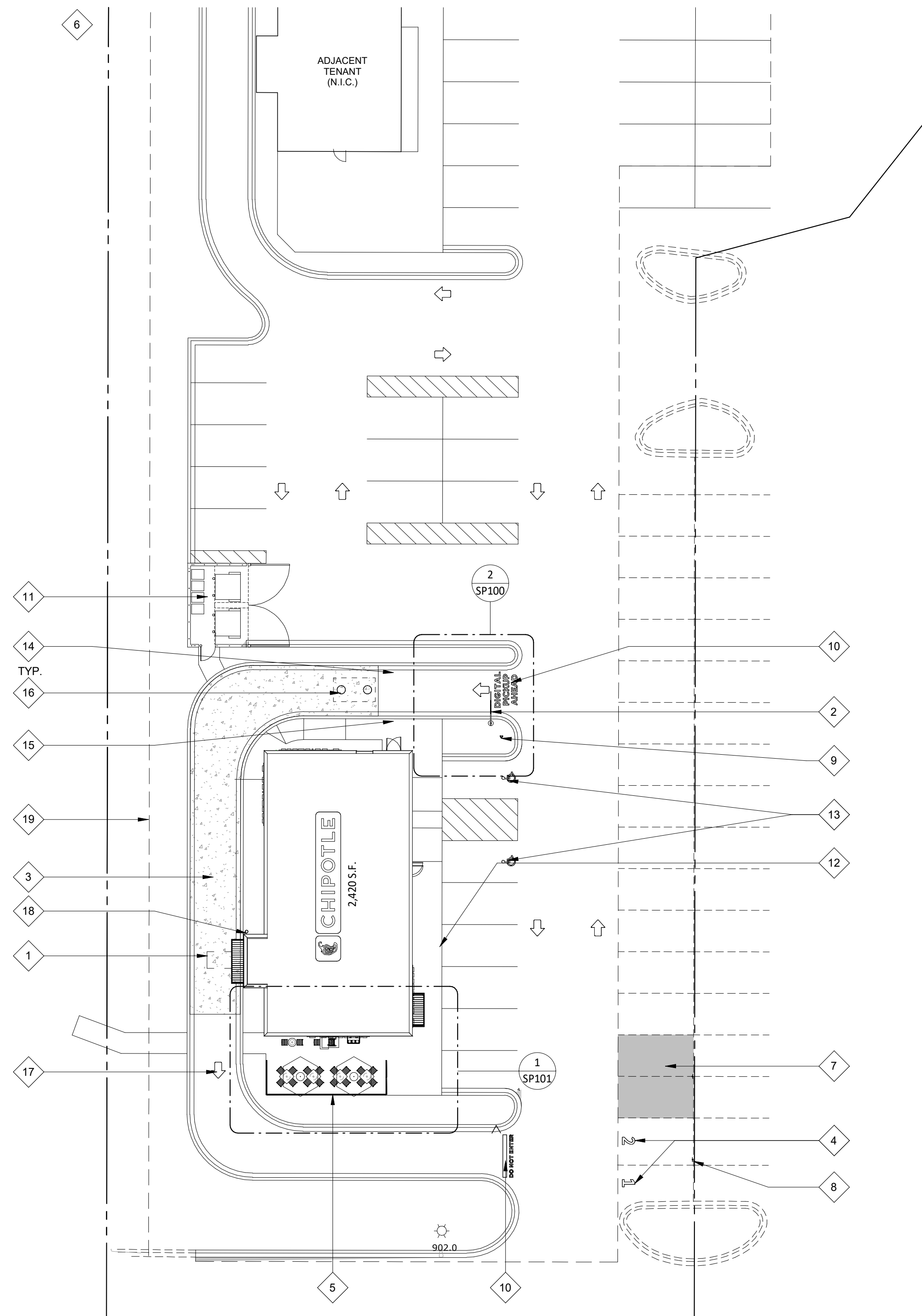


# GENERAL NOTES - SITE PLAN

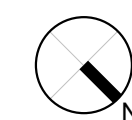
1. ALL SITE WORK INCLUDING PAVING, CURBING, PARKING, PARKING LOT LIGHTING, SIDEWALKS, LANDSCAPING, BOLLARDS AND DUMPSTER ENCLOSURE ARE EXISTING UNLESS NOTED OTHERWISE.
2. FOR STENCIL INFORMATION, REFER TO DIVISION 2 - SITE CONSTRUCTION FOR ADDITIONAL INFORMATION.
3. PROVIDED ARCHITECTURAL SITE PLAN IS FOR REFERENCE PURPOSES ONLY. GENERAL CONTRACTOR TO VERIFY LANDLORD PROVIDED ITEMS MATCH THE INDICATED NOTING BELOW AS REQUIRED. IF GENERAL CONTRACTOR OCCURS ANY DISCREPANCIES, CONTACT THE ARCHITECT IMMEDIATELY.

# KEYNOTE LEGEND

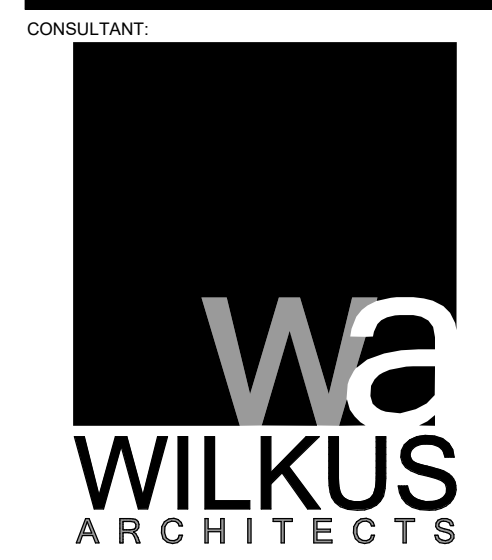
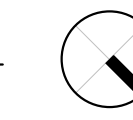
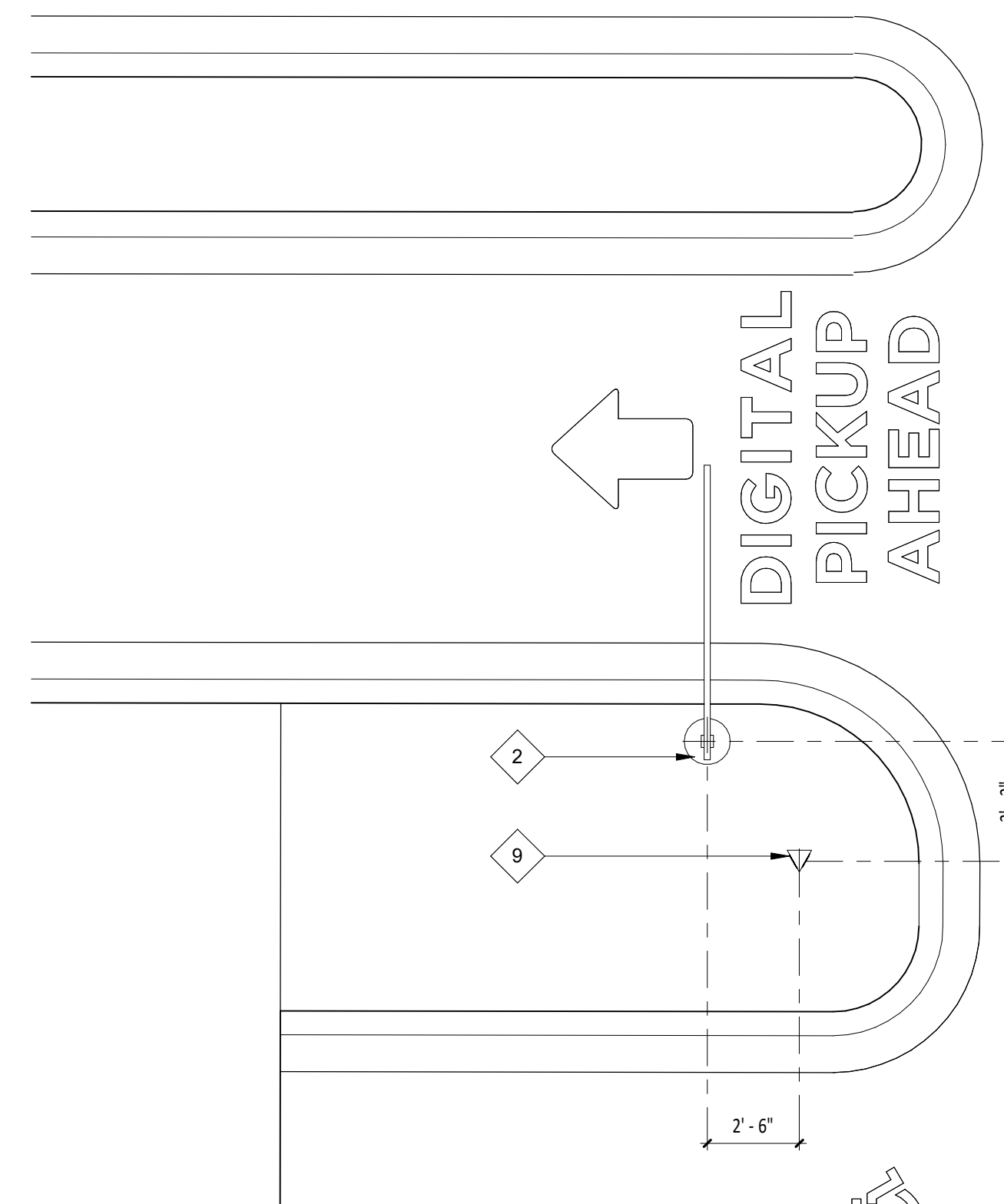
- |    |  |
|----|--|
| 1  | LOOP DETECTOR IS BY CHIPOTLE, CONDUIT IS BY LANDLORD.  |
| 2  | CLEARANCE BAR AND FOUNDATION SUPPLIED AND INSTALLED BY TSV.  |
| 3  | 12' - 0" WIDE HIGH DENSITY CONCRETE DRIVE AISLE - BEGIN POUR 12' - 0" PRIOR TO CENTER OF CLEARANCE BAR AND END 12' - 0" PAST CENTERLINE OF PICK-UP WINDOW.                               |
| 4  | TWO (2) PULL-AHEAD PARKING SPACES MARKED WITH WHITE NUMBERS PARALLEL TO STRIPING AND CENTERED IN SPACE - OFFSET NUMBERS INTO PARKING SPACE 12" MAX. FROM FRONT EDGE OF STRIPING.         |
| 5  | PATIO RAILING PROVIDED BY LANDLORD.  |
| 6  | MOUNUMENT PYLON SIGNAGE AT STREET INTERSECTION, PROVIDED BY LANDLORD - SIGN CABINET AND POWER HOOK-UPS ARE TO BE PROVIDED BY THE SIGNAGE VENDOR.   |
| 7  | TWO (2) SPACES MARKED FOR 'BURRITO LOADING ZONE' PARKING - FOUNDATION AND POLE PROVIDED BY GENERAL CONTRACTOR - SIGN PROVIDED BY THE SIGNAGE VENDOR AND INSTALLED BY GENERAL CONTRACTOR. |
| 8  | ONE (1) POLE SIGNS FOR PULL-AHEAD PARKING SPACES - FOUNDATION AND POLE PROVIDED BY GENERAL CONTRACTOR - SIGN PROVIDED BY THE SIGNAGE VENDOR AND TO BE INSTALLED BY GENERAL CONTRACTOR.   |
| 9  | "DIGITAL PICK-UP" SIGNAGE AND FOUNDATION SUPPLIED AND INSTALLED BY TSV. CONDUIT STUB UP SUPPLIED BY LANDLORD.  |
| 10 | "DO NO ENTER" AND "DIGITAL PICKUP AHEAD" AND DIRECTIONAL ARROWS PROVIDED BY LANDLORD.  |
| 11 | TRASH ENCLOSURE, PAD, APRON AND BOLLARDS (BY OWNER)  |
| 12 | CURB RAMP AND 5" CROSSWALK FOR PEDESTRIAN ACCESS (BY OWNER)  |
| 13 | TWO (2) ADA ACCESSIBLE PARKING SPACES MARKED WITH STRIPING AND SIGN POSTS (BY OWNER)   |
| 14 | CROSS-WALK PAVEMENT MARKINGS - SOLID WHITE, BY LANDLORD.   |
| 15 | CURB RAMP FOR DELIVERIES (BY OWNER)  |
| 16 | 1,500 GALLON GREASE INTERCEPTOR LOCATION - CHIPOTLE'S GENERAL CONTRACTOR TO REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.   |
| 17 | DIRECTIONAL PAVEMENT MARKINGS PROVIDED BY LANDLORD   |
| 18 | CONCRETED SAFETY BOLLARDS (BY OWNER)   |
| 19 | LANDSCAPING AREA AND IRRIGATION SYSTEM (BY OWNER)  |



**1** ARCHITECTURAL SITE PLAN  
SCALE: 1" = 20'-0"



**2** ENLARGED CLEARNACE BAR / DIGITAL PICKUP SIGN DIMENSION PLAN  
SCALE: 1/4" = 1'-0"



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Matthew M. Wilkus, LICENSE # 54678  
DATE: November 12, 2024

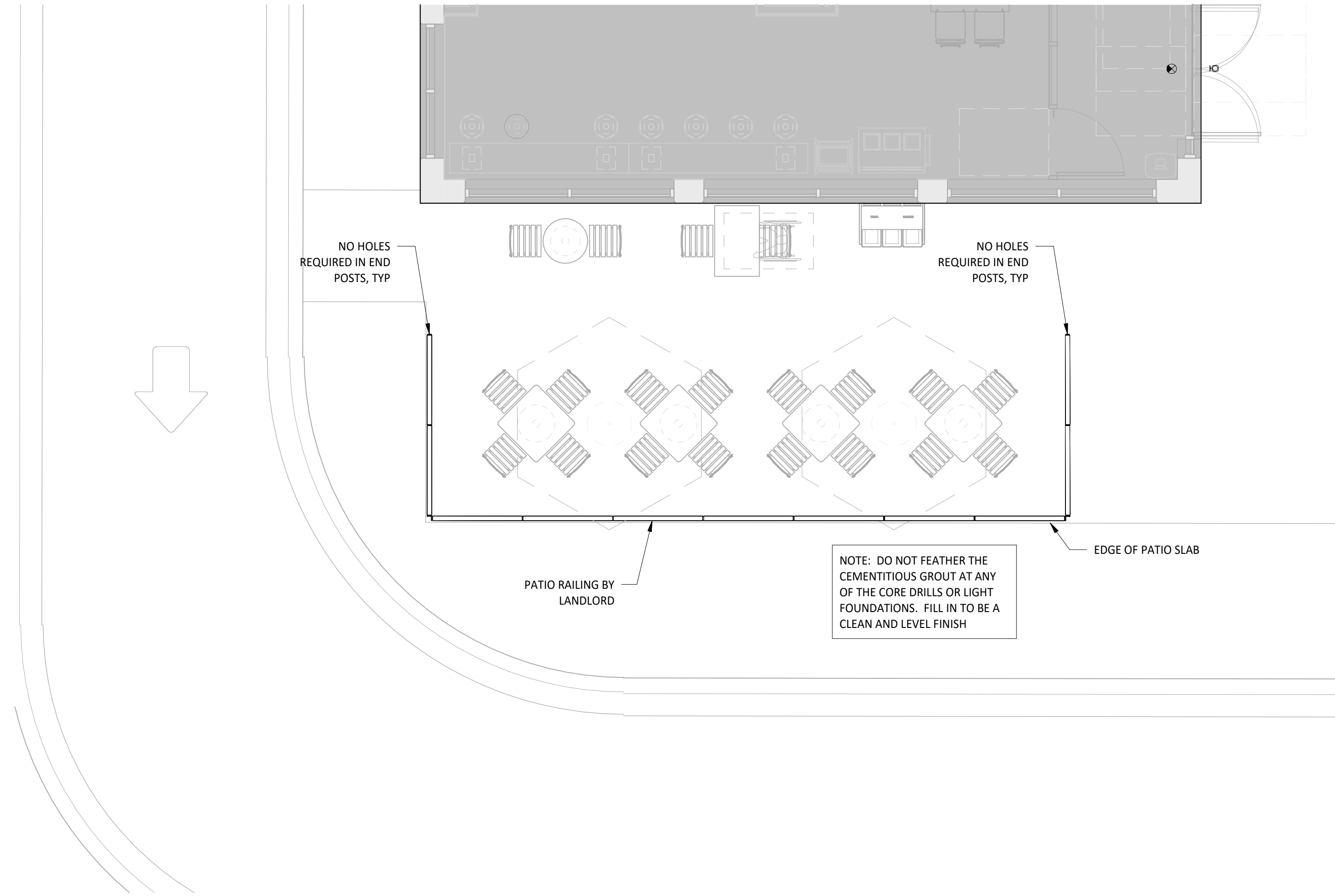
PROJECT NO. 2023-0519  
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11/12/2024 CONSTRUCTION SET

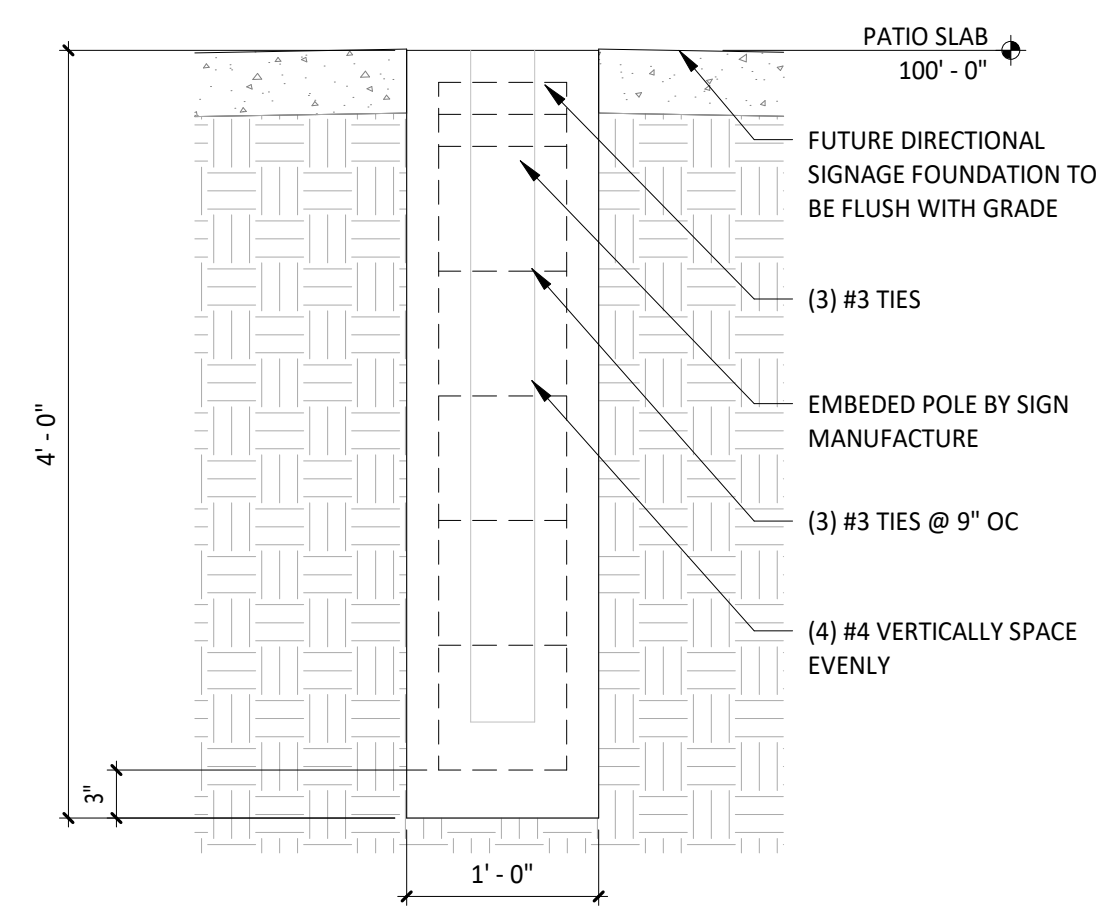
REVISIONS:  
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TITLE:  
SITE PLAN

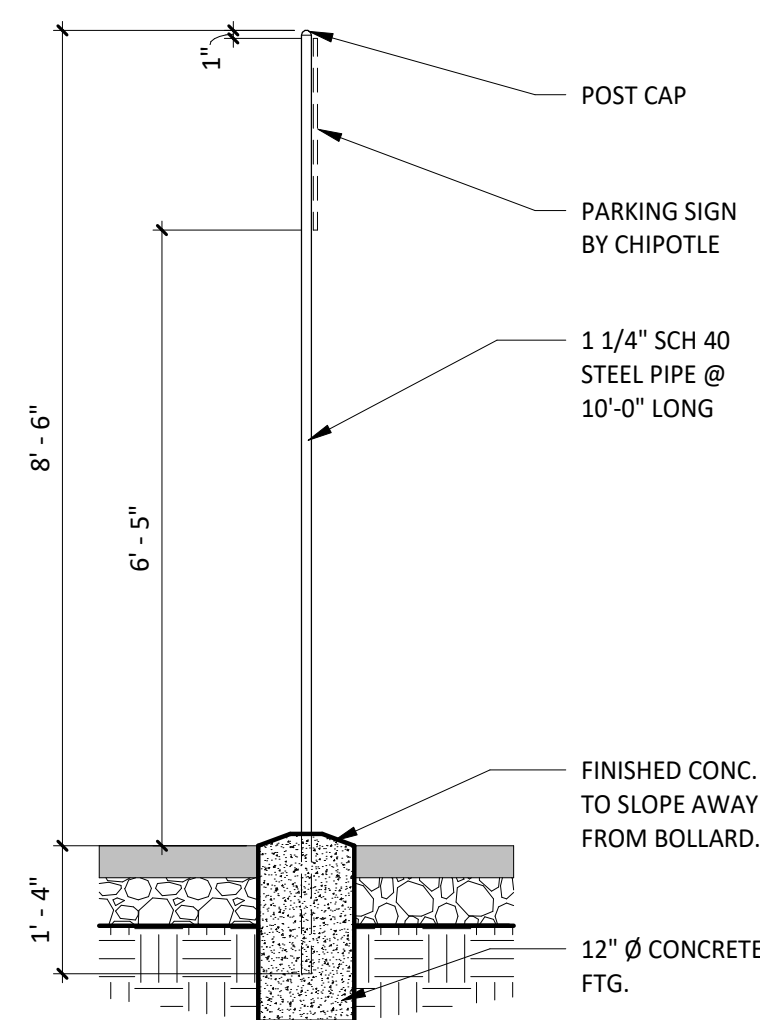
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SP100



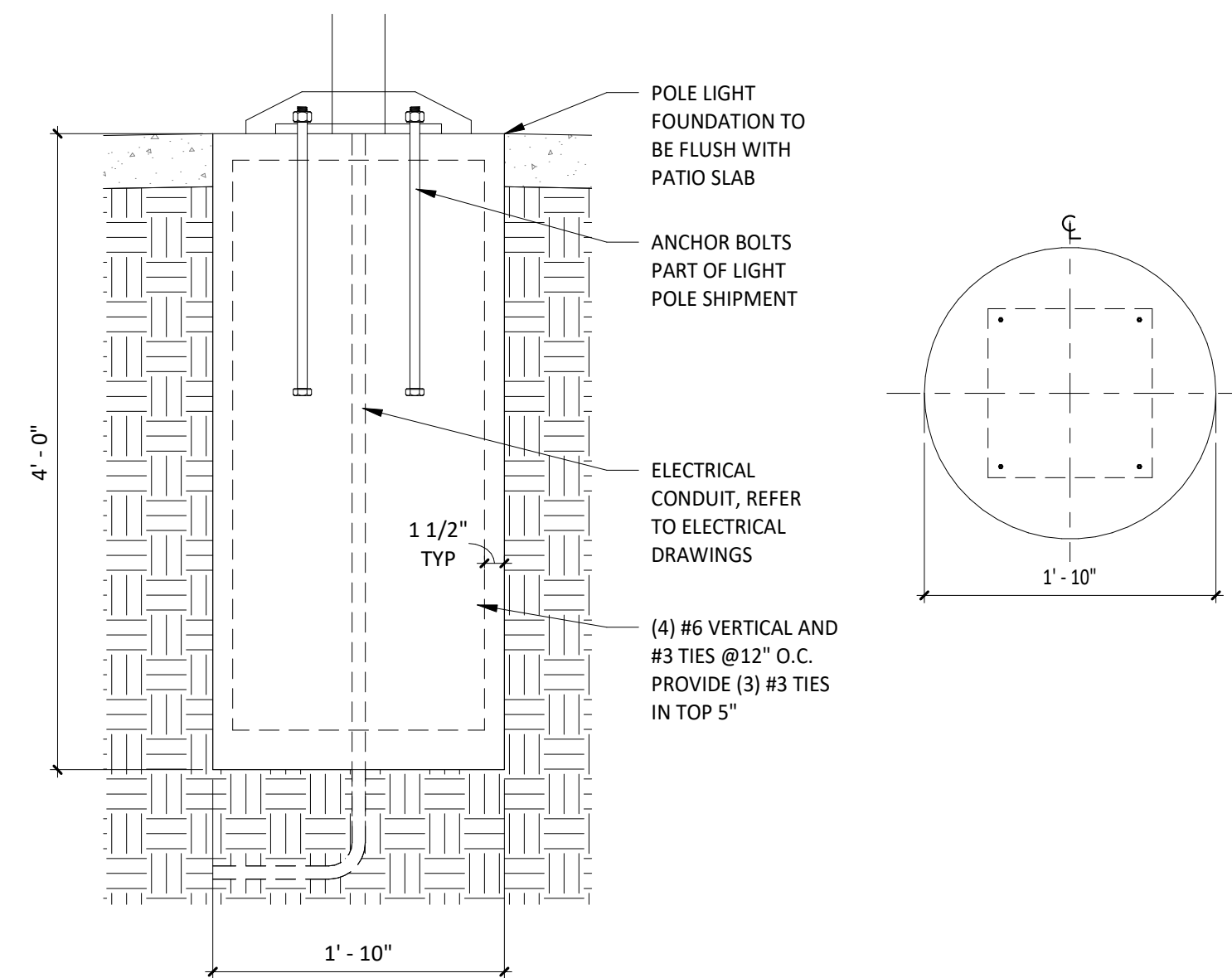
**1** DIMENSIONED PATIO PLAN  
SCALE: 1/4" = 1'-0"



**2** DIRECTIONAL SIGNAGE FOUNDATION  
SCALE: 1" = 1'-0"



**3** TYP. SIGN POST DETAIL  
SCALE: 1/2" = 1'-0"



**4** CLEARANCE POLE FOUNDATION  
SCALE: 1" = 1'-0"



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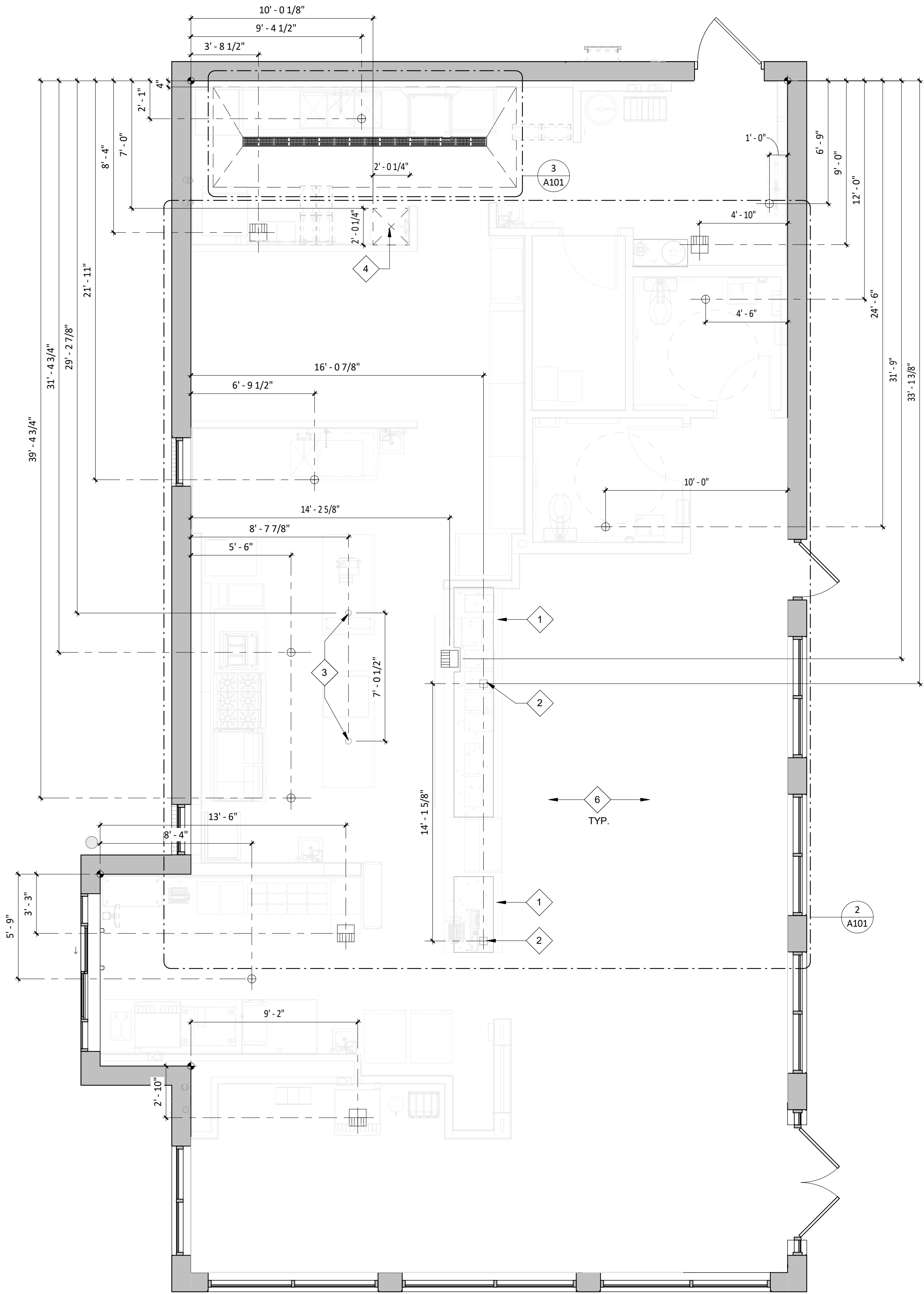
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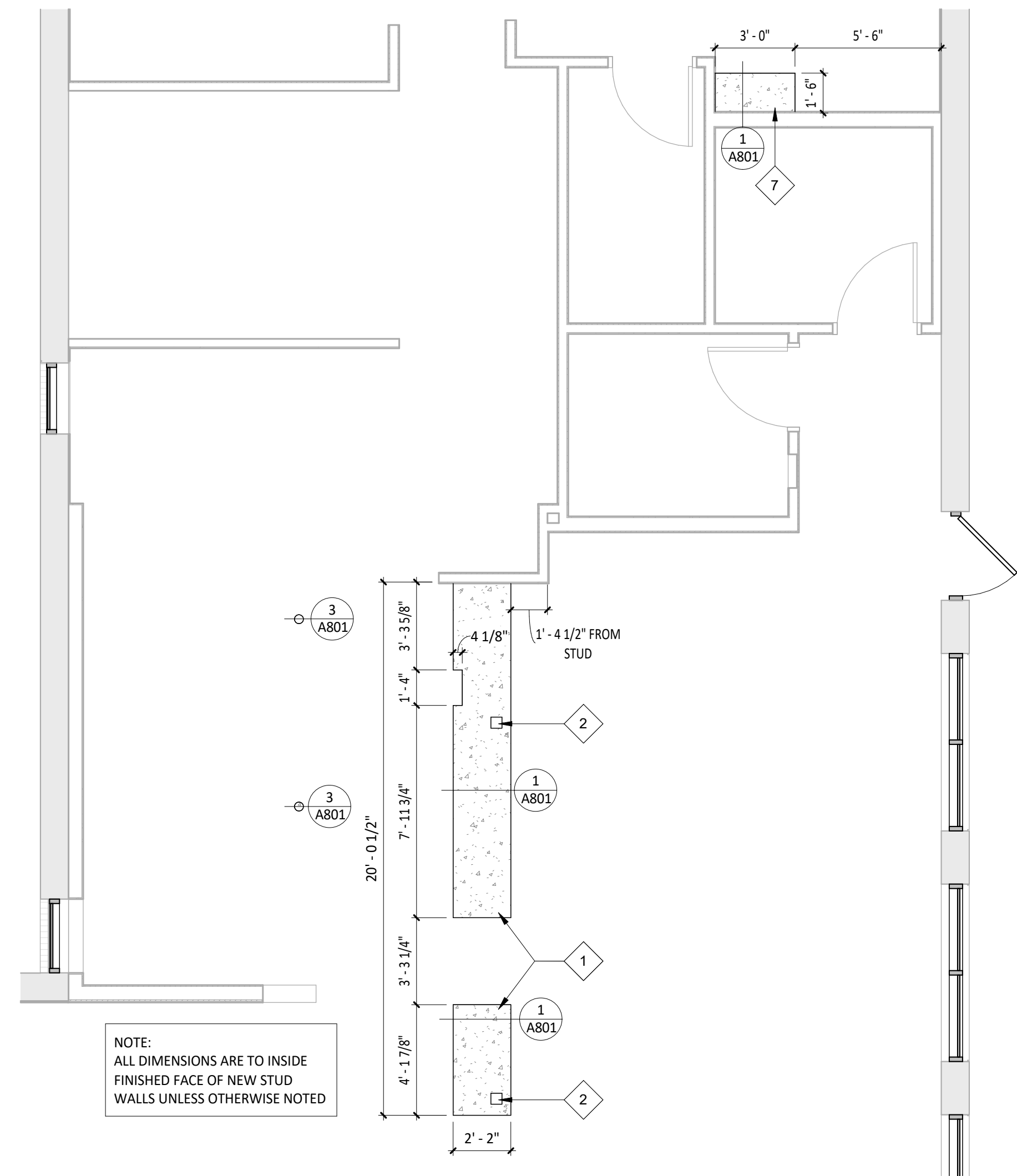
REVISIONS:

TITLE:  
**SITE DETAILS**

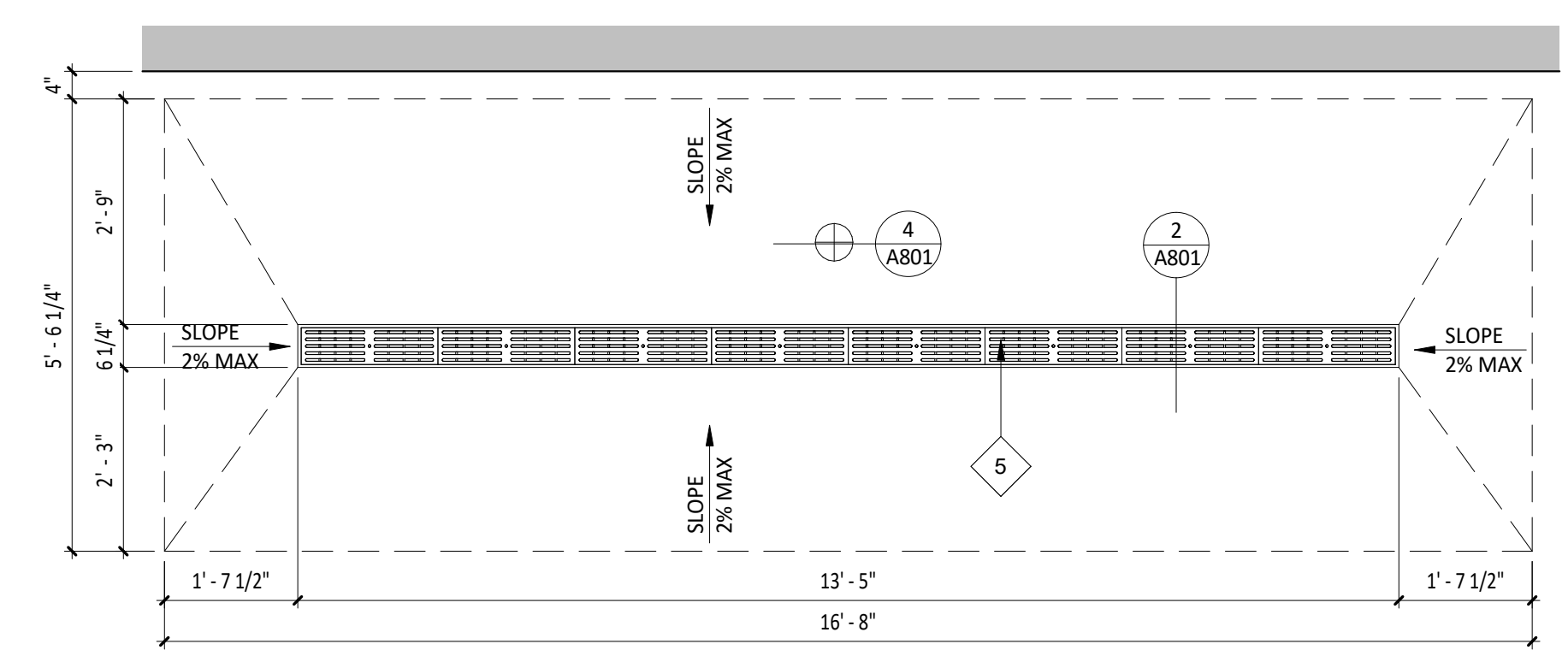
SHEET NUMBER:  
**SP101**



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



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



**3 TRENCH DRAIN DETAIL**  
SCALE: 1/2" = 1'-0"

**GENERAL NOTES - SLAB PLAN**

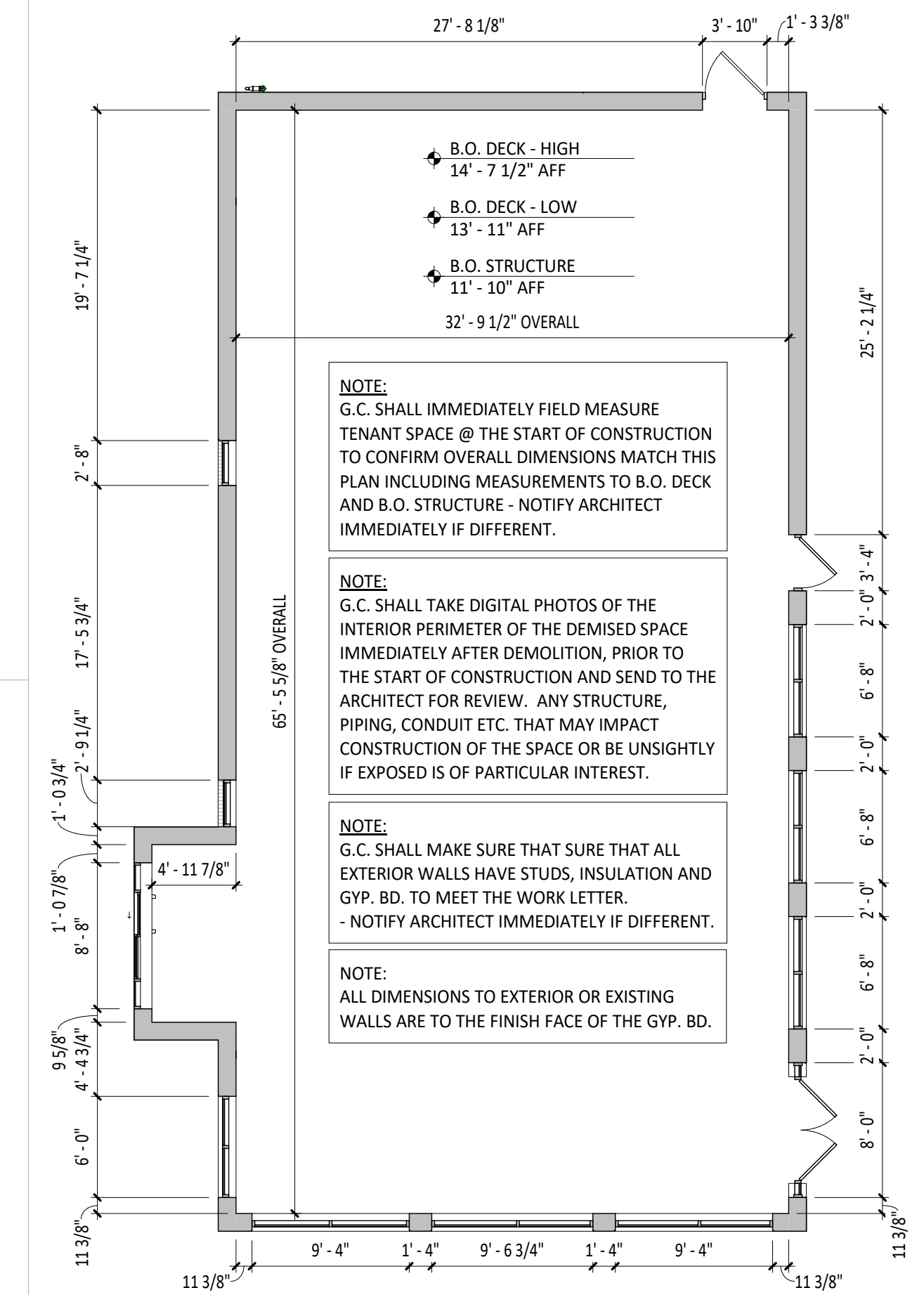
- A. ALL INTERIOR DIMENSIONS ARE TO FACE OF FRAMING, OR CENTERLINE OF STRUCTURE UNLESS NOTED OTHERWISE. ALL DIMENSIONS TO EXTERIOR OR EXISTING WALLS ARE TO FINISH FACE OF EXISTING GYPSUM BOARD. ALL DIMENSIONS TAKEN FROM TARGET POINT U.N.O.
- B. ALL DIMENSIONS ARE TO THE CENTERLINE OF FIXTURE UNLESS OTHERWISE NOTED.
- C. GC TO REVIEW ELECTRICAL PLANS FOR LIGHTING OR POWER STUB LOCATIONS PRIOR TO POURING SLAB.
- D. REFER TO "03300 - CAST-IN-PLACE CONCRETE" IN SPECIFICATIONS FOR CONCRETE PATCHING OR INSTALLATION INFORMATION.
- E. VERIFY PERIMETER FOUNDATION INSULATION IS EXISTING IN FIELD AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- F. ALL TILED FLOOR TO MAINTAIN POSITIVE SLOPE TO ALL FLOOR DRAINS OF NOT GREATER THAN 2% SLOPE FOR A 4'X4' AREA U.N.O.

**PLUMBING LEGEND**

- FLOOR SINK LOCATION
- FLOOR DRAIN LOCATION

**KEYNOTE LEGEND**

- 1 4" CONCRETE CURB - COORDINATE EXACT LOCATION WITH FINAL EQUIPMENT LOCATIONS - SEE DETAILS 1/A801 FOR ADDITIONAL INFORMATION.
- 2 5" X 5" POWER STUB LOCATION - COORDINATE WITH ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- 3 4" PVC PIPE WITH 2" HIGH CONCRETE INFILL FOR POWER STUBS - TYPICAL OF TWO (2) - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 4 OUTLINE OF MOP SINK AS INDICATED.
- 5 TRENCH DRAIN TO BE RECESSED INTO SLAB A MINIMUM OF 8" THICK CONCRETE SLAB WITH 4" MINIMUM CONCRETE BED BELOW - REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS - SEE DETAIL 3/A101 FOR ADDITIONAL INFORMATION - SLOPE FLOOR IN THIS AREA ONLY TOWARDS DRAIN 1/40.
- 6 NEW CONCRETE SLAB-ON-GRADE WITH 10 MIL POLY VAPOR BARRIER OVER POROUS FILL - REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 7 5" CONCRETE CURB FOR WATER SOFTENER - COORDINATE LOCATION WITH FINAL EQUIPMENT LOCATION.



**4 DEMISED PREMISES PLAN**  
SCALE: 1/8" = 1'-0"



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11/12/2024 CONSTRUCTION SET

TITLE:  
SLAB WORK PLAN

SHEET NUMBER:  
A101

# GENERAL NOTES - FLOOR PLAN

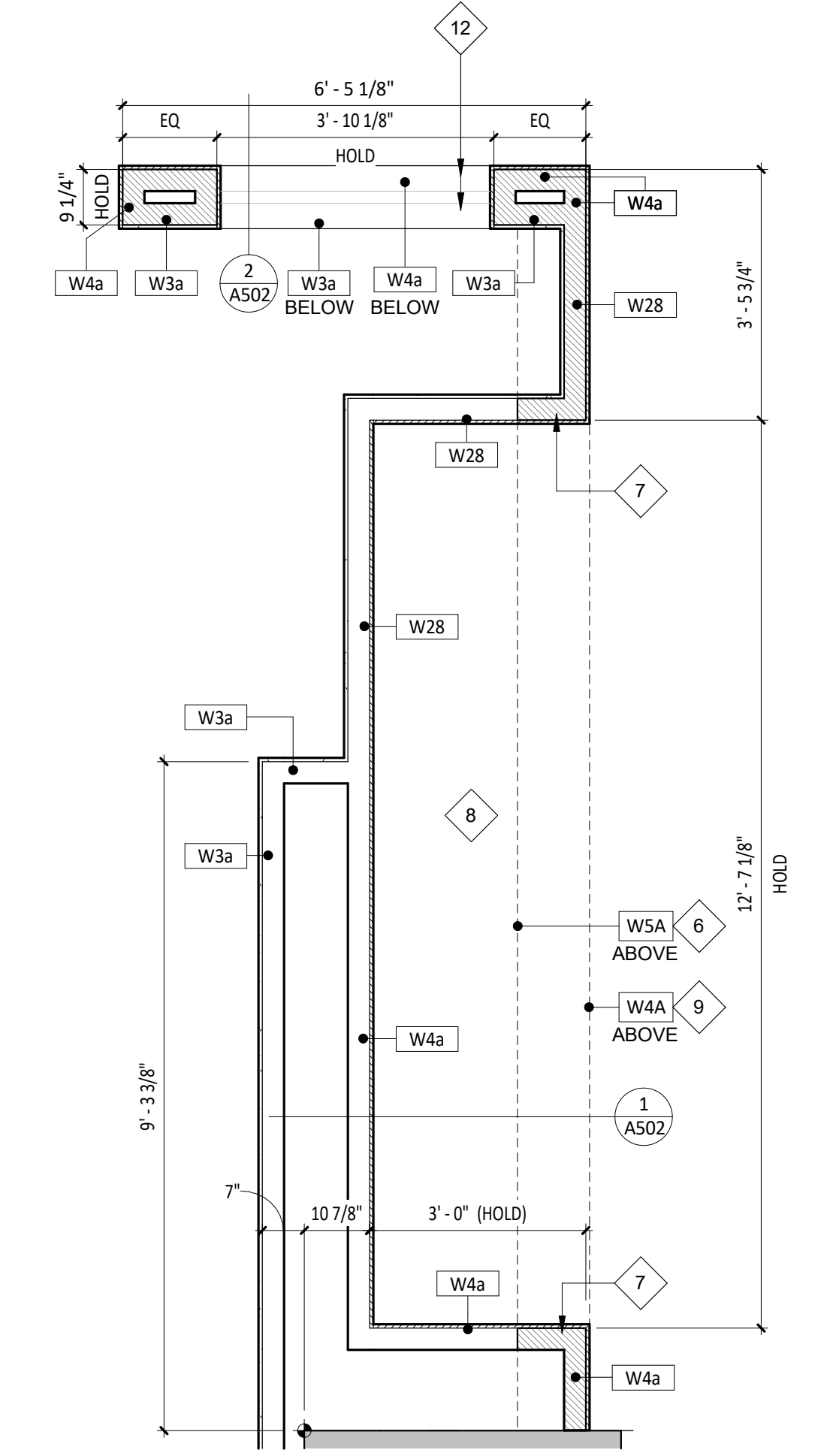
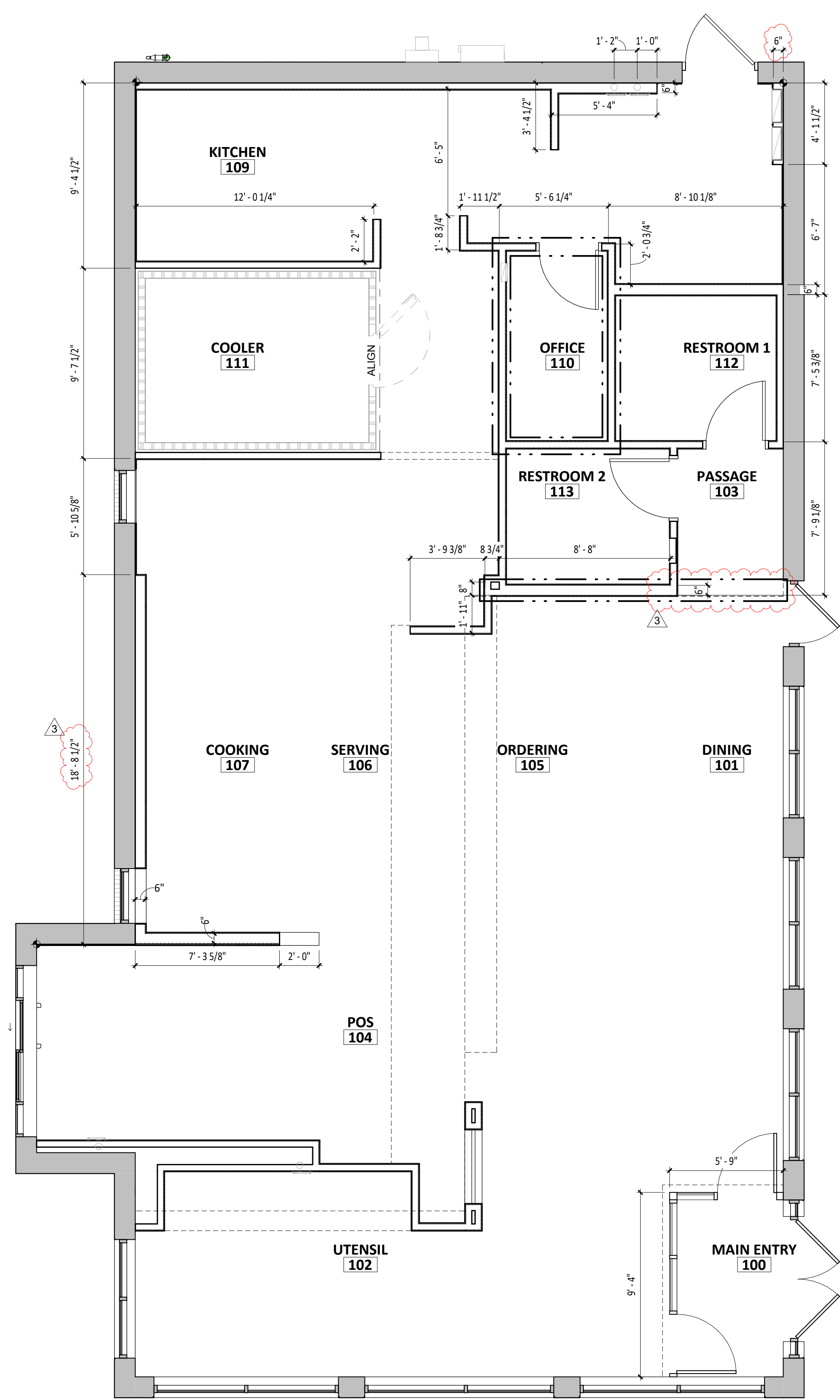
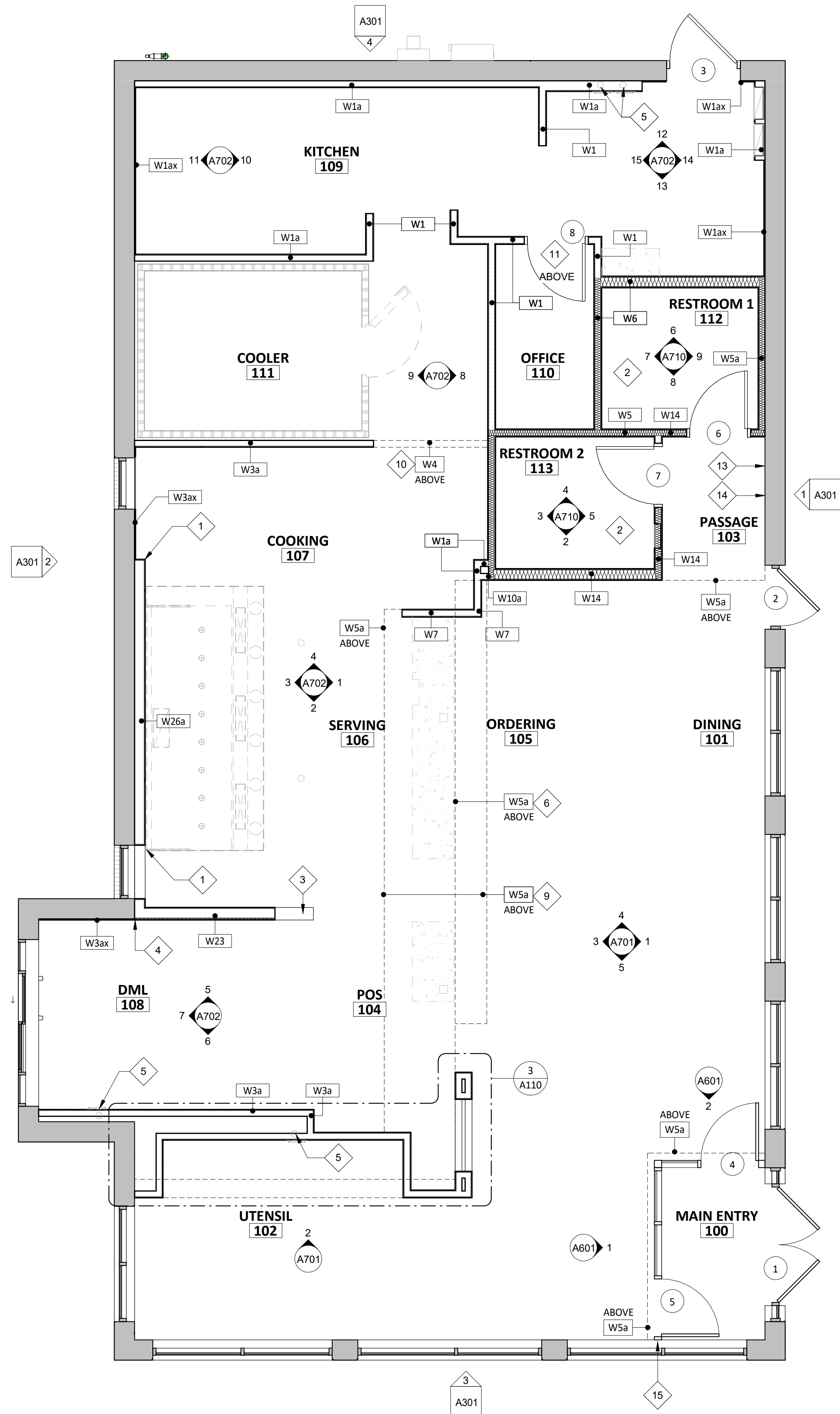
- A. ALL INTERIOR DIMENSIONS ARE TO FACE OF FRAMING, OR CENTERLINE OF STRUCTURE UNLESS NOTED OTHERWISE. ALL DIMENSIONS TO EXTERIOR OR EXISTING WALLS ARE TO FINISH FACE OF EXISTING GYPSUM BOARD. ALL DIMENSIONS TAKEN FROM TARGET POINT U.N.O.
- B. DASHED CIRCLE IN RESTROOM INDICATE TURNING DIAMETER REQUIRED BY ADA.
- C. REFER TO WALL FINISH LEGEND ON A120.
- D. ALL STUDS ARE 3 5/8" METAL STUDS UNLESS NOTED OTHERWISE ON PLAN.
- E. ALL INTERIOR DOORS ARE 4" OFF OF PERPENDICULAR WALL UNLESS NOTED OTHERWISE.
- F. IN SITUATIONS WHERE TENANT'S G.C. IS TO PROVIDE TYPE 'X' GYP. BD. FOR A RATED ASSEMBLY, THE TYPE 'X' GYP. BD. IS REQUIRED TO GO BENEATH THE SHEATHING AND FINISHES.
- G. SEE SHEET A801 FOR ADDITIONAL SHEATHING BEHIND CERTAIN WALL FINISHES.
- H. SEE A601 FOR DOOR TYPES.
- I. TENANT'S GENERAL CONTRACTOR TO LAYOUT OF ENTIRE SPACE PRIOR TO STARTING FRAMING AND REPORT ANY DISCREPANCIES IN NOTED DIMENSIONS TO ARCHITECT AND CHIPOTLE MEXICAN GRILL'S CM PRIOR TO PROCEEDING. FAILURE TO ADHERE TO THESE REQUIREMENTS RESULTING IN ANY REMEDIATION REQUIRED TO MEET DESIGN INTENT WILL BE AT CONTRACTOR'S COST.
- J. SEE A110 FOR WALL TYPE INFORMATION.
- K. PROVIDE DEFLECTION TRACK AT ALL WALLS WHICH GO TO THE UNDERSIDE OF DECKING, REFER TO SHEET A110.
- L. PROVIDE FULL HEIGHT BLOCKING IN WALL FOR ALL SHELVING, TYP.
- M. DENSSHIELD TILE BACKER BOARD SHALL NOT BE INSTALLED OVER VAPOR BARRIERS AT EXTERIOR WALLS.
- N. MOISTURE RESISTANT GYP. BD. SHALL BE USED IN RESTROOMS.

# WALL TYPE LEGEND

NEW CONSTRUCTION		INDICATES LOCATION OF ITEMS ABOVE	
EXISTING CONSTRUCTION		DESIGNATES WALLS & SHEATHING TO EXTEND TO DECK	
NEW CONSTRUCTION WITH SOUND BATT INSULATION			
WALK-IN COOLER			

# KEYNOTE LEGEND

- 1 WHERE GREASE EXHAUST HOOD INTERSECTS WALLS, PROVIDE 24 GAUGE GALVANIZED METAL FROM TOP OF WALL LTO 18" PAST HOOD IN ALL DIRECTIONS.
- 2 FOR ALL REQUIRED BLOCKING LOCATIONS, REFER TO ELEVATIONS ON A710.
- 3 LOCATION OF WALL PASS-THROUGH OPENING - REFER TO A702.
- 4 SUBSTRATE FACE TO ALIGN.
- 5 DRYER VENTS IN WALL FOR SODA LINES ROUTED ABOVE 4" PVC PIPES - REFER TO A801 FOR ADDITIONAL INFORMATION.
- 6 DASHED LINES INDICATE LOCATION OF SOFFIT WALL TO DECK ABOVE - REFER TO A201 FOR ADDITIONAL INFORMATION.
- 7 HATCH LOCATED WITHIN WALLS AS SHOWN INDICATES THAT TOP OF FRAMING IS TO NOT EXCEED 10'-0" A.F.F.
- 8 LOCATION OF UTENSIL COUNTER BY MILLWORK SUPPLIER - PROVIDE 18" BAND OF CONCEALED BLOCKING AND REFER TO A701
- 9 DASHED LINES INDICATE LOCATION OF SOFFIT ABOVE - REFER TO A201 FOR ADDITIONAL INFORMATION.
- 10 DASHED LINES INDICATE LOCATION OF HEADER ABOVE - REFER TO A201 FOR ADDITIONAL INFORMATION.
- 11 PROVIDE MOUNTING BOARDS FOR SECURITY SYSTEMS AND TELECOMS - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 12 FOR LOCATION OF LOW-WALL CONDITION AT MOPUS - REFER TO A502, A701 AND A702.
- 13 PROVIDE 25 GAUGE GALVANIZED METAL TO 50 1/2" A.F.F.
- 14 PROVIDE IN-WALL BLOCKING FOR LICENSE FRAME AS REQUIRED.
- 15 PROVIDE FILLER PANEL AT GAP BETWEEN EXISTING STOREFRONT AND NEW VESTIBULE STOREFRONT.



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

**2** DIMENSIONED FLOOR PLAN  
SCALE: 1/4" = 1'-0"

**3** ENLARGED UTENSIL/MOPUS PLAN  
SCALE: 1/2" = 1'-0"



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DRAWN BY TRC  
CHECKED BY DRL

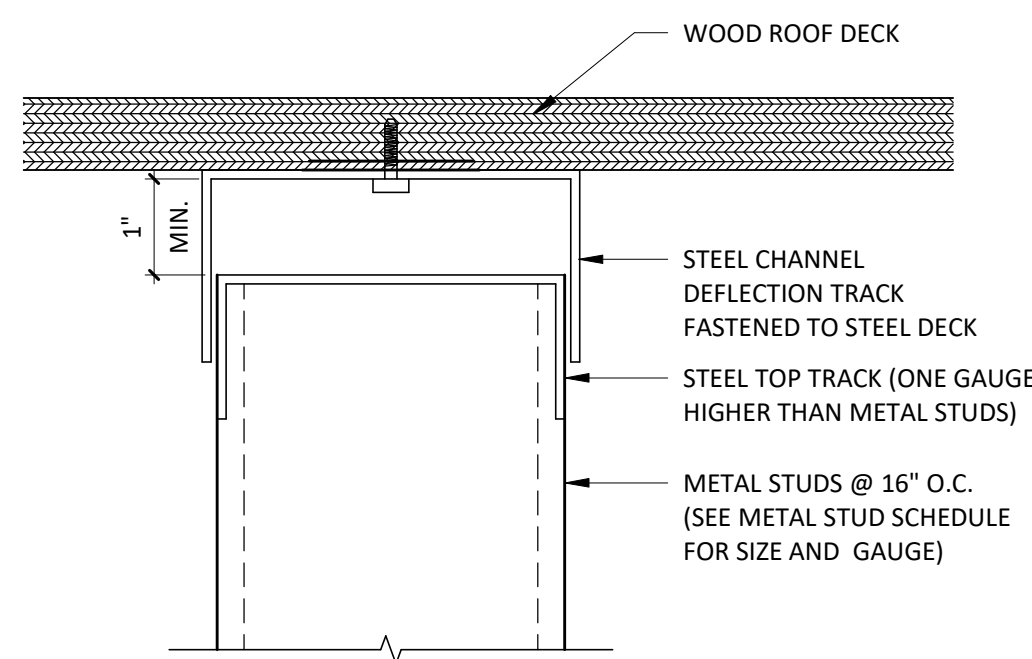
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06/03/2024 PERMIT SET  
08/20/2024 BID SET  
11/12/2024 CONSTRUCTION SET

REVISIONS:  
3 12.19.2024 CB#01

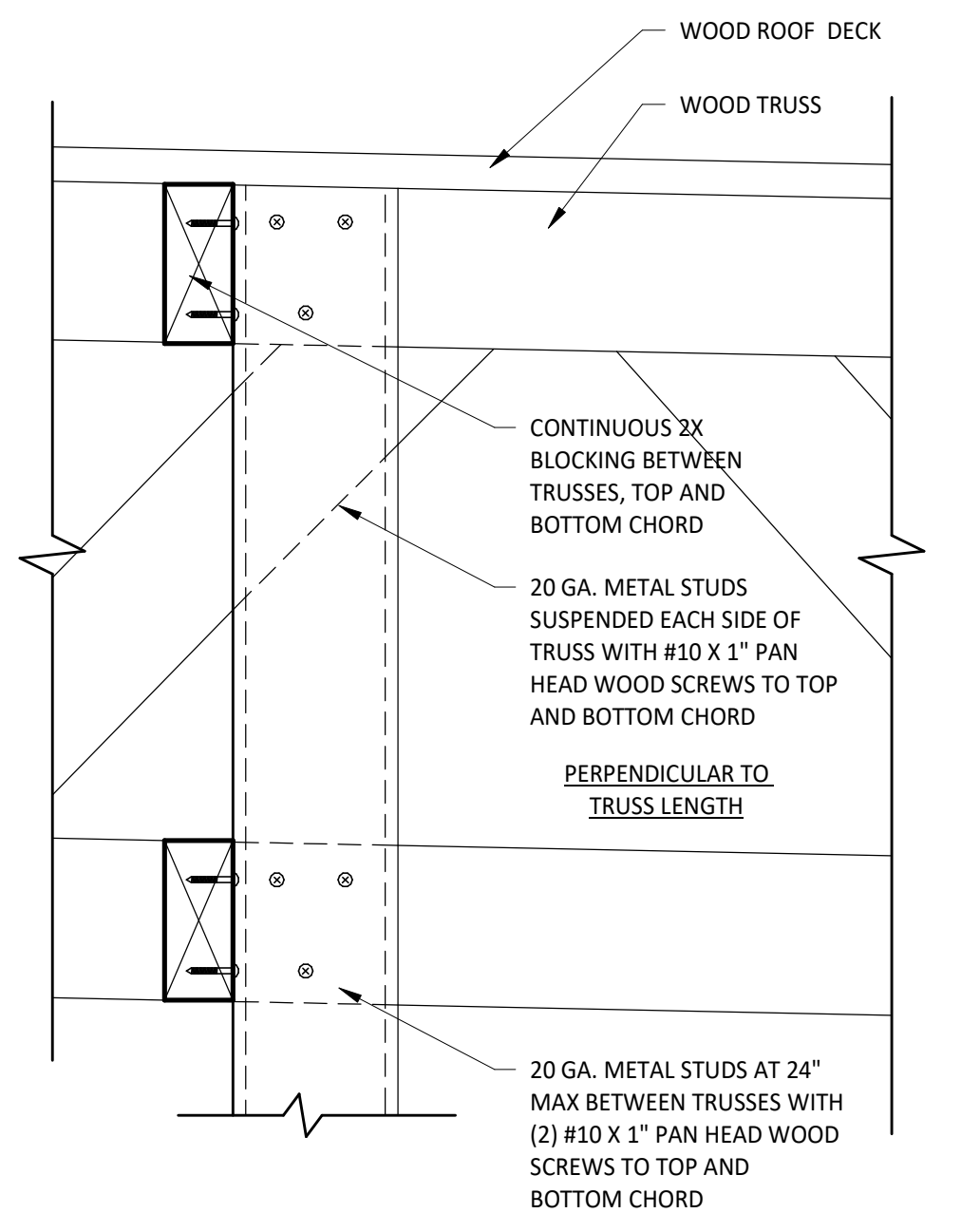
TITLE:  
ARCHITECTURAL FLOOR PLAN

SHEET NUMBER:  
A110



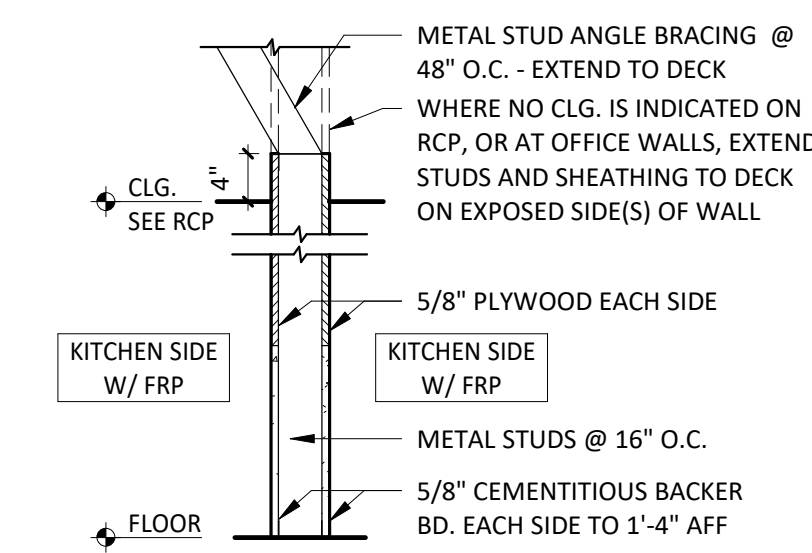


**1** DEFLECTION TRACK DETAIL @ PARTITION  
SCALE: 6" = 1'-0"

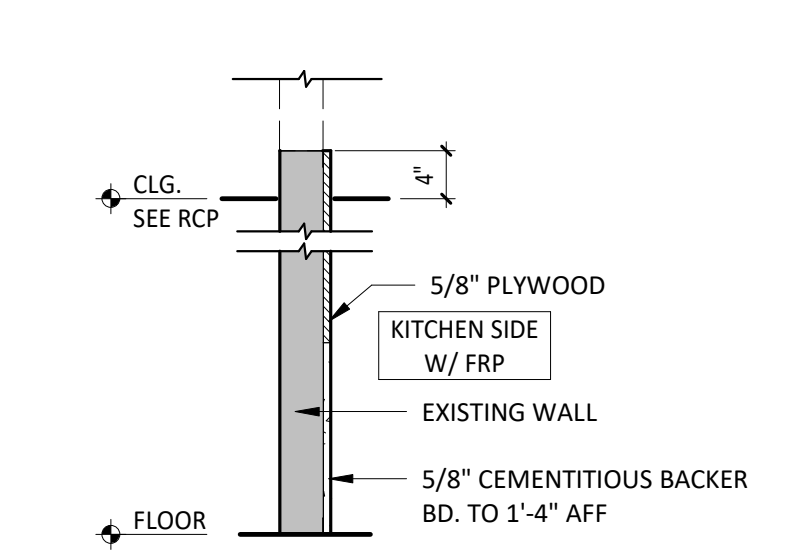


**2** SOFFIT HANGING DETAIL  
SCALE: 3" = 1'-0"

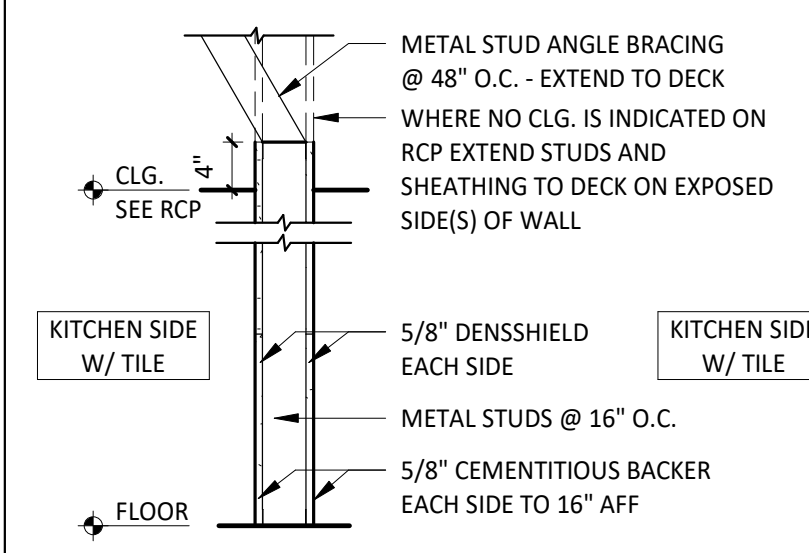
**WALL TYPES**



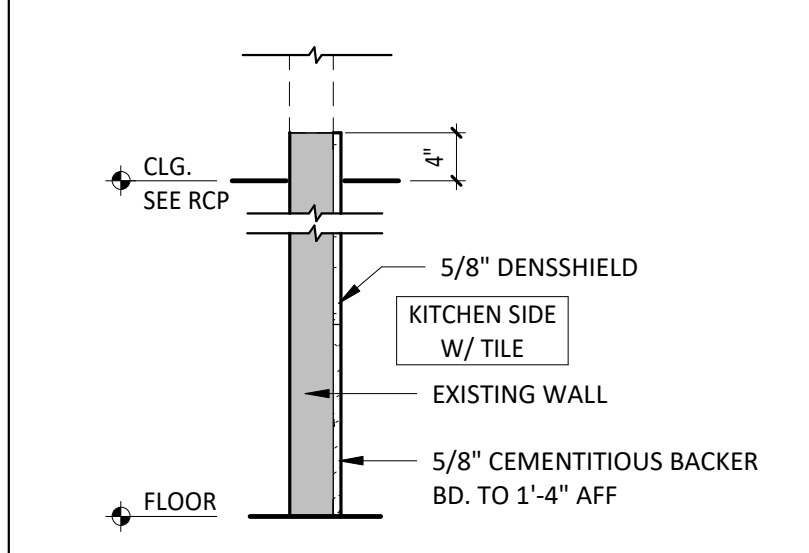
W1 INTERIOR PARTITION  
W1a INTERIOR PARTITION (1-SIDE ONLY)



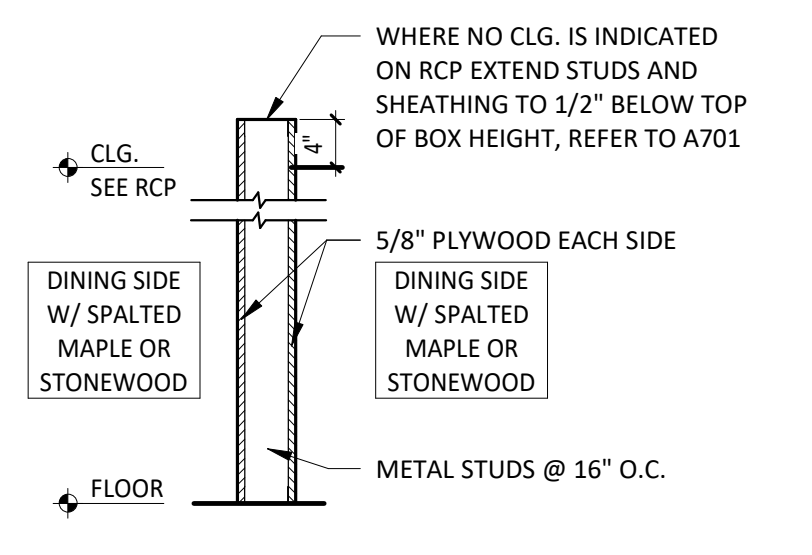
W1ax INTERIOR PARTITION (SUBSTRATE ONLY)



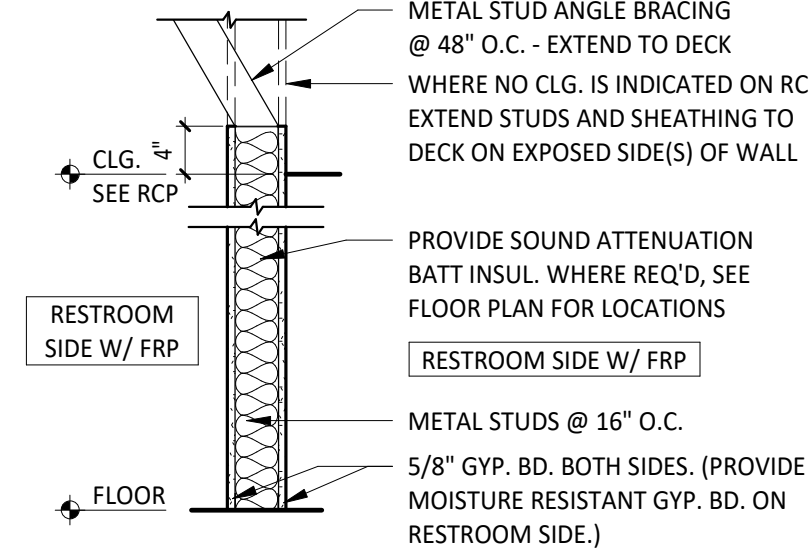
W3 INTERIOR PARTITION (NOT USED)  
W3a INTERIOR PARTITION (1-SIDE ONLY)



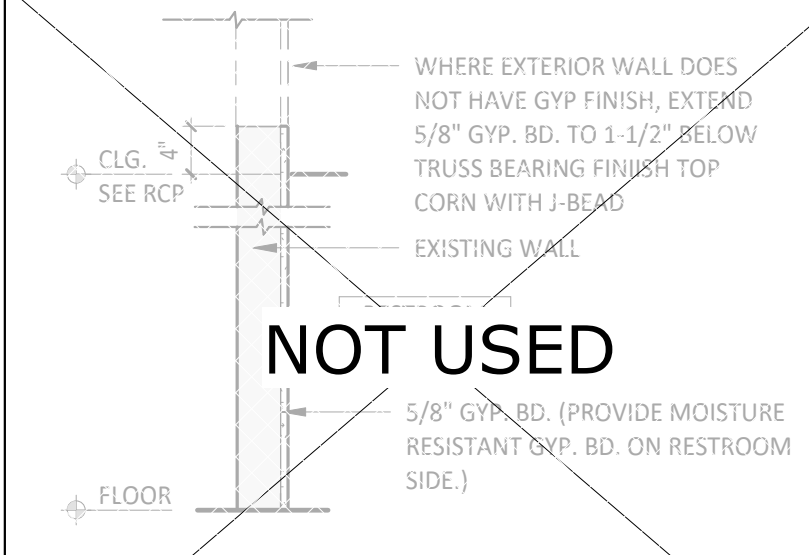
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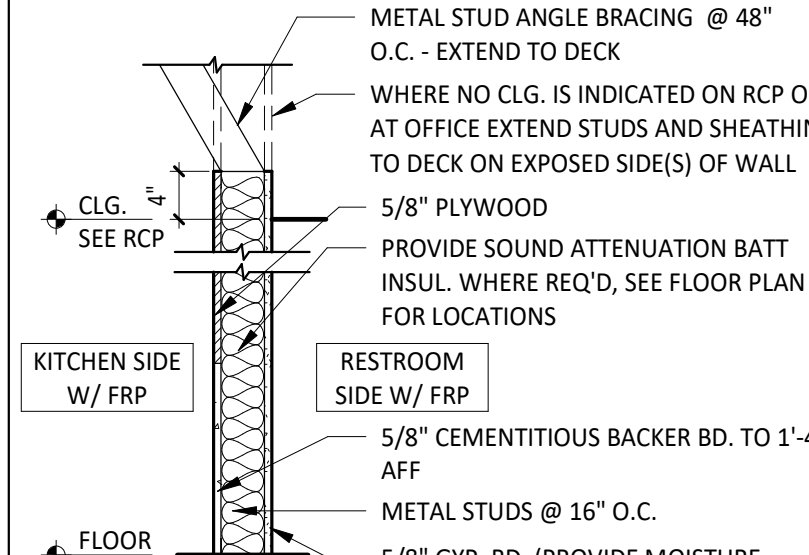
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W4a INTERIOR PARTITION (1-SIDE ONLY)



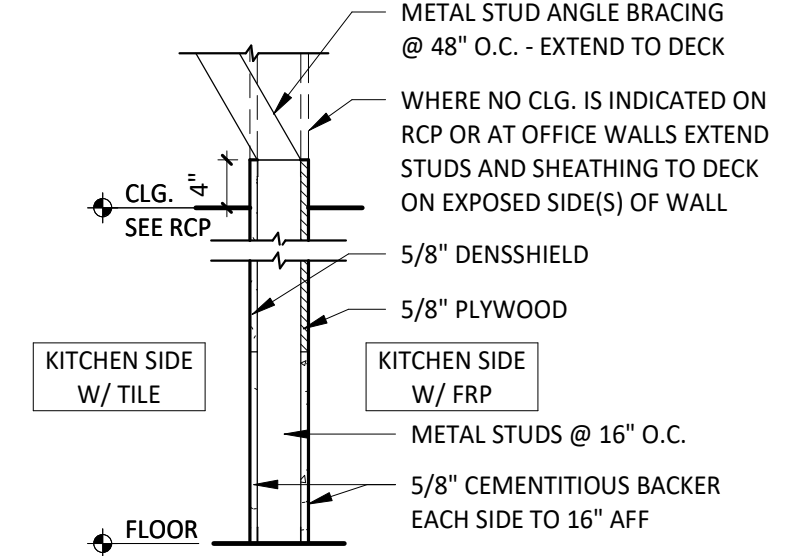
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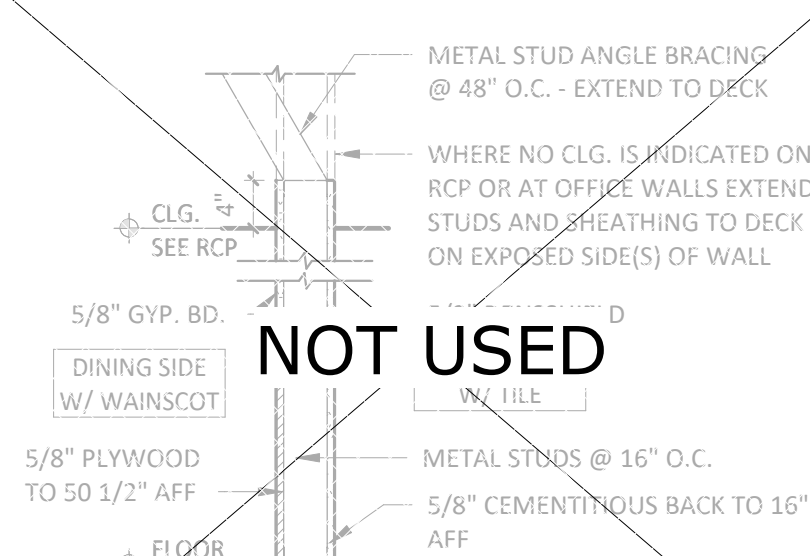
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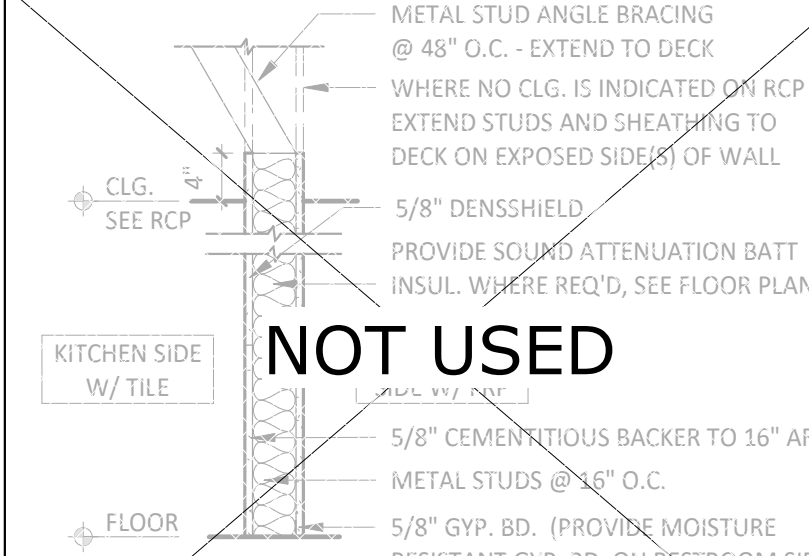
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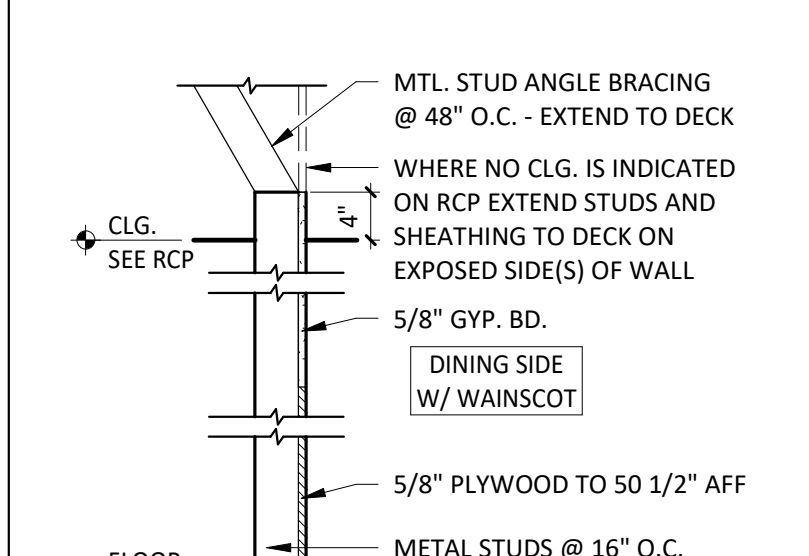
W7 INTERIOR PARTITION



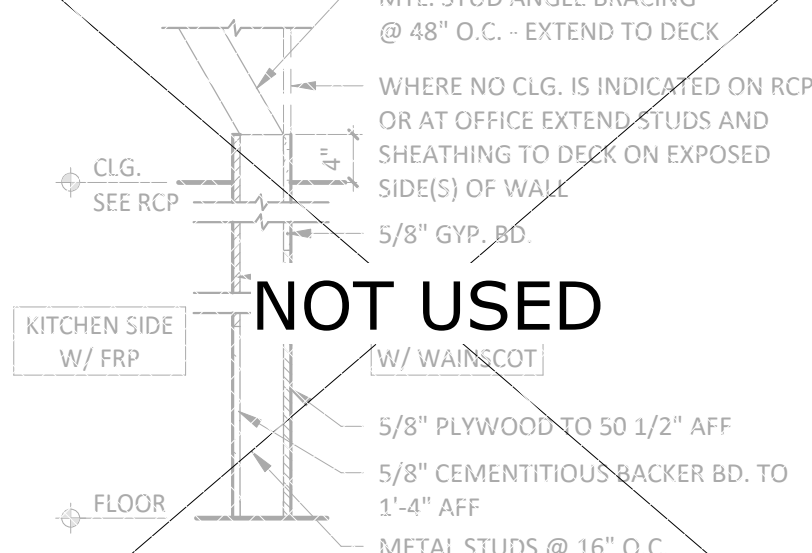
W8 INTERIOR PARTITION



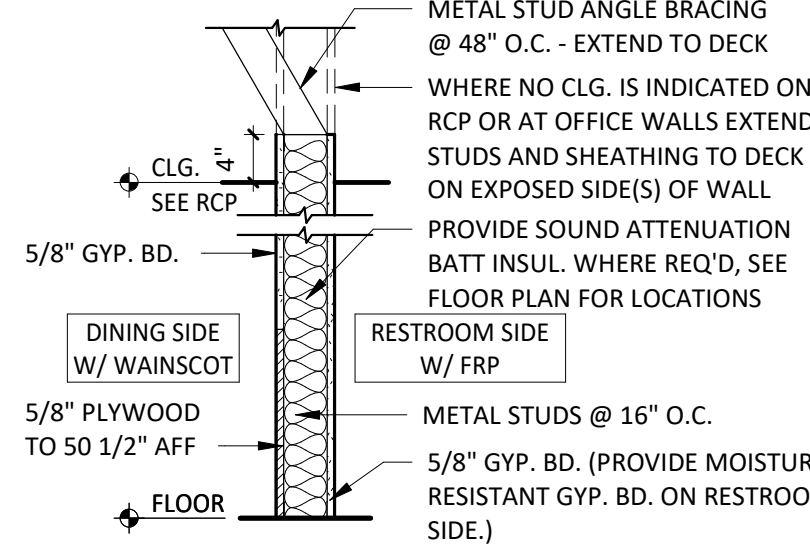
W9 INTERIOR PARTITION



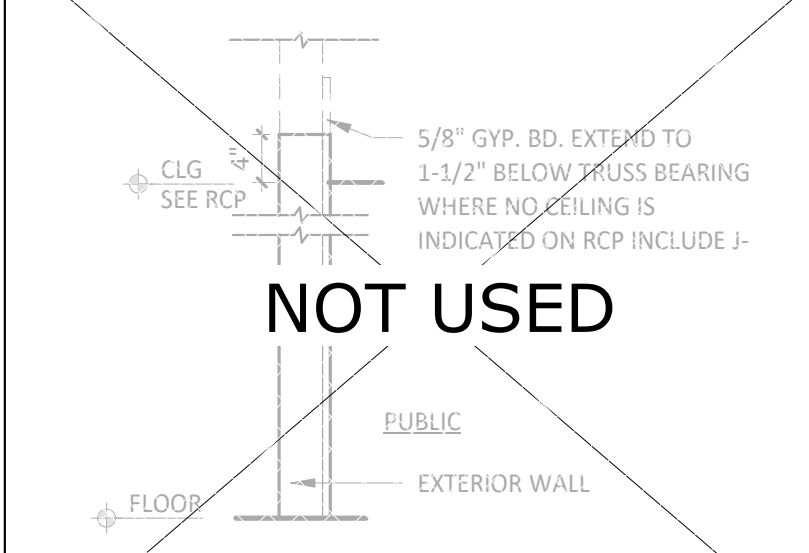
W10a INTERIOR PARTITION



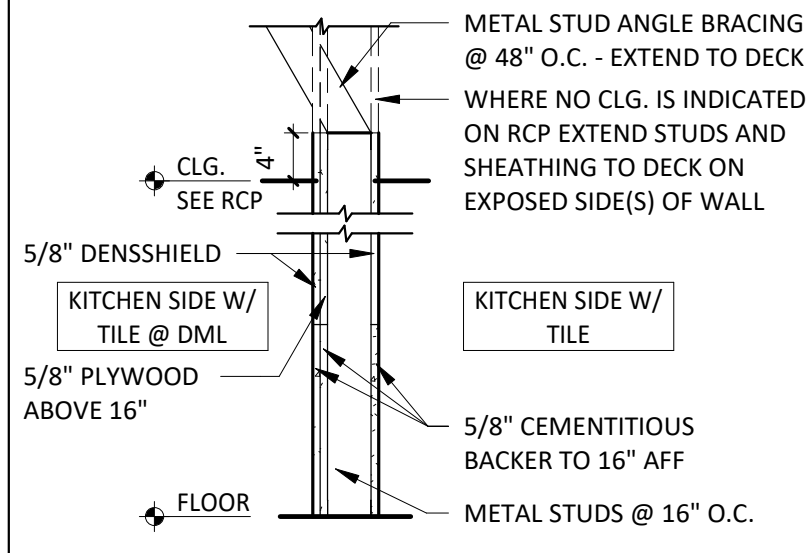
W11 INTERIOR PARTITION



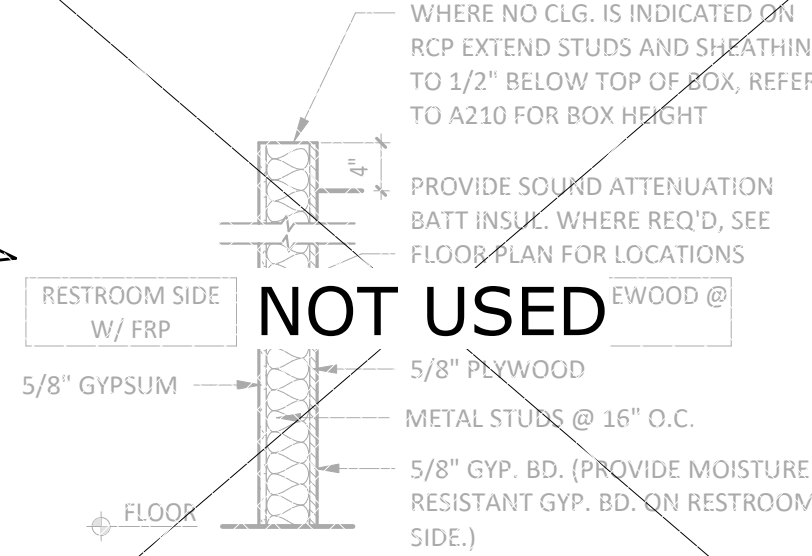
W14 INTERIOR PARTITION



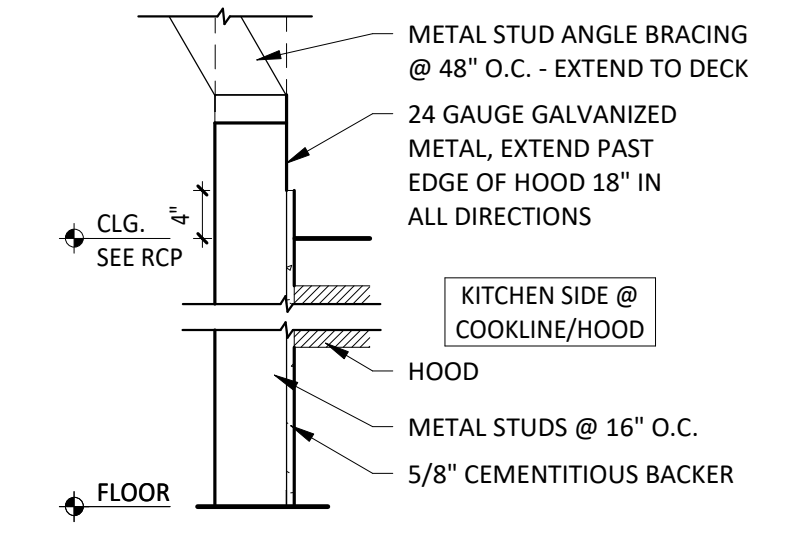
W15ax INTERIOR PARTITION



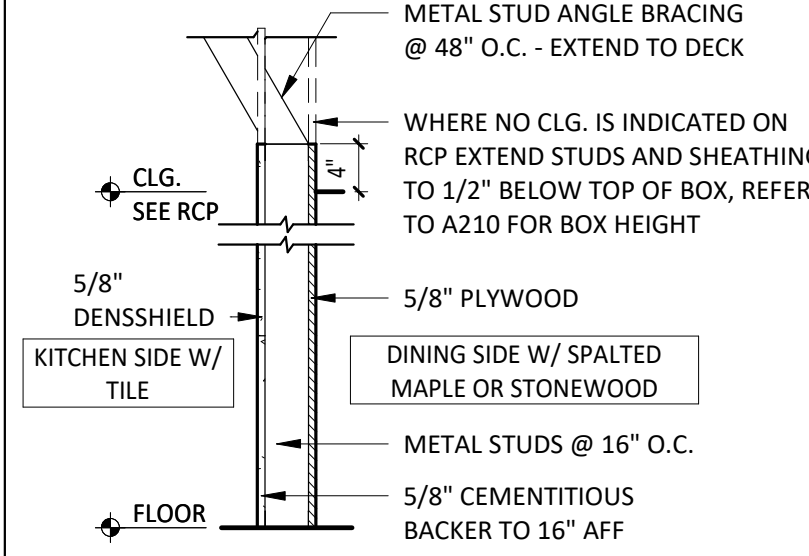
W23 INTERIOR PARTITION



W24 INTERIOR PARTITION



W26a INTERIOR PARTITION



W28 INTERIOR PARTITION

**GENERAL NOTES - WALL TYPES**

- REFER TO FINISH SCHEDULE AND CERAMIC TILE WALL FINISHES KEY PLAN ON SHEET A120 FOR WALL FINISHES, REFER TO FLOOR PLAN ON A110 FOR METAL STUD SIZE.
- G.C. SHALL PROVIDE SOLID BLOCKING IN WALLS AS REQUIRED OR AS NEEDED.
- STUDS ARE 3 5/8" METAL STUDS UNLESS OTHERWISE NOTED ON PLAN.

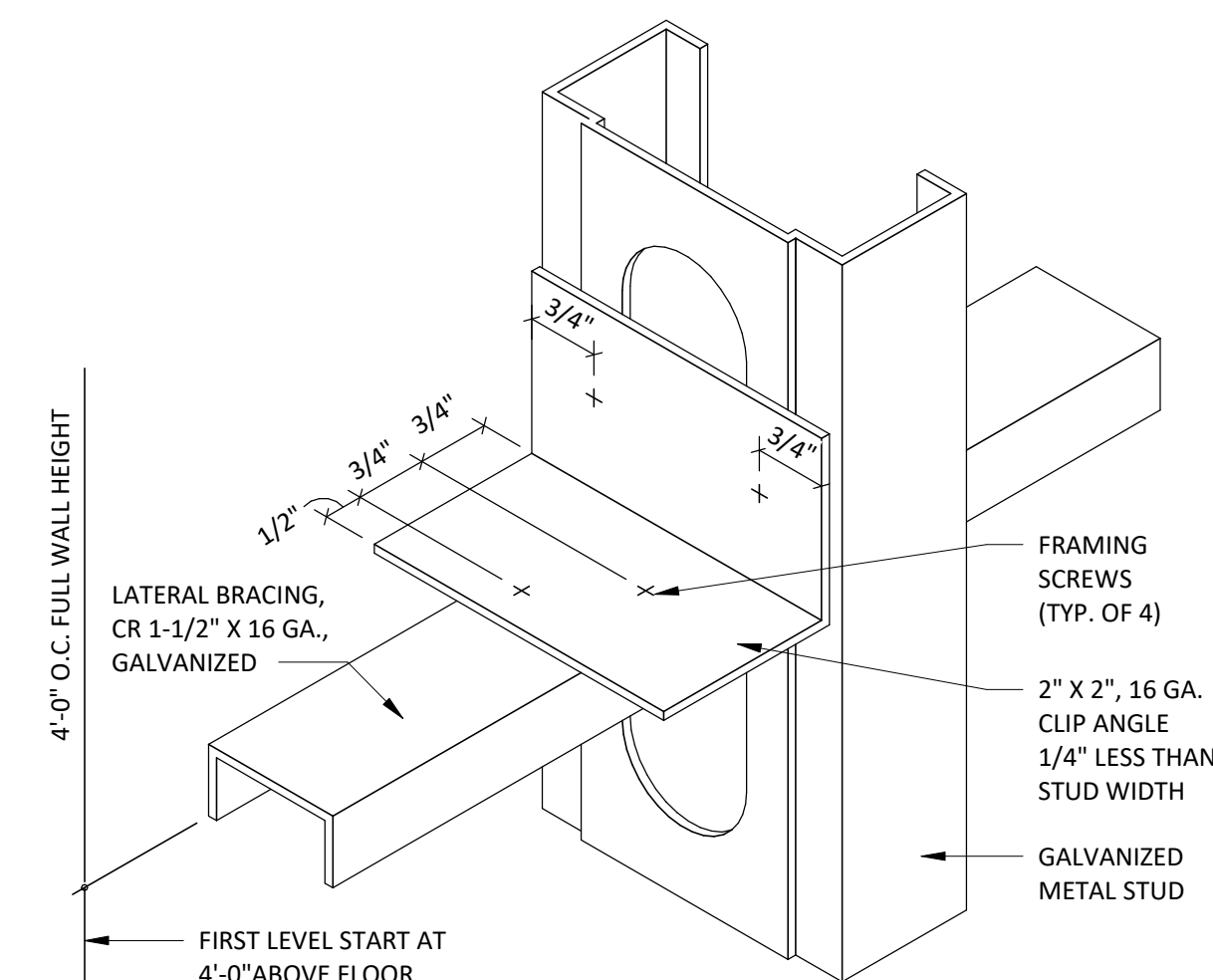
**STUD SCHEDULE & NOTES**

- ALL HEIGHTS REFER TO UN-BRACED HEIGHTS.
- ALL HEIGHTS BASED ON 16" O.C. SPACING.
- BOTTOM TRACK TO BE SAME GAUGE AS STUD.
- TOP TRACK TO BE ONE GAUGE HIGHER.

SIZE/TYPE	W/O HUNG SHELVING	W/ HUNG SHELVING
362S125-18	UP TO 12'-0"	UP TO 12'-0"
362S137-33	UP TO 16'-0"	UP TO 16'-0"
600S137-33	UP TO 22'-0"	UP TO 16'-0"
600S162-43	UP TO 26'-0"	UP TO 22'-0"

**PARTITION NOTES**

- ALL METAL STUDS TO CONFORM TO LOCAL BUILDING CODES.
- ALL STUD WALLS AND PARTITIONS REQUIRE GYP. BOARD ON BOTH SIDES FOR THE FULL HEIGHT OF THE STUDS UNLESS SPECIFICALLY DETAILED OTHERWISE.
- ALL SUSPENDED WALLS SHALL HAVE GYP. BOARD WHICH EXTENDS 4" ABOVE THE SUSPENDED CEILING UNLESS SHOWN AND/OR NOTED OTHERWISE BY THE ARCHITECT.
- FIRE RETARDANT PLYWOOD MAY SUBSTITUTE FOR GYP. BOARD WHERE SO DIRECTED BY THE ARCHITECT.
- ALL STUD WALLS AND PARTITIONS SHALL HAVE CONTINUOUS LINES OF BRIDGING SPACED AT 4'-0" MAXIMUM ON CENTER. THE BRIDGING SHALL BE SECURELY FASTENED TO THE STUDS WITH EITHER SCREWS OR WELDS. REFER TO DETAILS THIS SHEET.
- ALL STUDS SHALL BE "CEE" STUDS WITH FLANGE STIFFENERS.
- THE MATERIALS AND DETAILS SHOWN ARE FOR TYPICAL INSTALLATIONS. WHERE THE STUD MANUFACTURER'S RECOMMENDATIONS OR LOCAL ORDINANCES ARE MORE RESTRICTIVE, THEY SHALL APPLY.
- TYPICAL FASTENER:
  - STEEL STUDS TO STEEL STUDS OR TRACKS: 20 GAUGE - #8 - 18 X 1/2" TEKS WITH PHILIPS PAN HEAD - MIN. 2 PER CONNECTION 18/16 GAUGE - #10 - 16 X 3/4" TEKS WITH PHILIPS PAN HEAD - MIN. 3 PER CONNECTION
  - STEEL STUDS OR TRACKS TO WOOD PURLINS, GIRDERS AND BEAMS: #14 - 10 X 1-1/2" H.W.H. TYPE "S" METAL-TO-WOOD TEKS AT 12" O.C., 2" FROM EACH END
  - STEEL STUDS OR TRACKS TO STRUCTURAL STEEL (TUBE/WIDE FLANGE COL'S, BM'S, GIRDER'S, ETC.) 0.145" DIA. HILTI X-EDNI FASTENERS, 5/8" MIN. LENGTH AND MIN. OF 2 PER CONNECTION, OR 2 ROWS AT 16" O.C. FOR CONTINUOUS APPLICATIONS SUCH AS TRACKS, U.N.O.
  - PLYWOOD TO STEEL STUDS: #10 - 24 X 1-1/4" TEKS/3 (PLYMETALTEKS) WITH THIN WAFER HEAD - 24" O.C. FILED, 12" O.C. PERIMETER
  - GYPSUM BOARD TO STEEL STUDS: #7 X 1-1/4" HI-LOW TYPE "S" BUGLE HEAD SCREWS FOR 3/8" TO 5/8" GYPSUM BOARD TO 25 GAUGE OR 20 GAUGE STUDS #6 X 1-1/4" TYPE S-12 BUGLE HEAD SCREWS FOR 3/8" TO 5/8" TO 18 GAUGE OR 16 GAUGE STUDS OR TRACKS FIELD - 12" O.C. CEILINGS, 24" O.C. WALLS BUTT JOINTS 12" O.C.
  - STEEL STUDS OR TRACKS TO CONCRETE: 0.145" DIA. HILTI X-DNI FASTENER, 1" MIN. LENGTH, 2 ROWS AT 16" O.C.



**3** LATERAL BRACING DETAIL @ PARTITION  
SCALE: NOT TO SCALE

CONSULTANT:

WILKU'S ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL, INC.  
PO BOX 162966  
COLUMBUS, OH 43216-2966  
TELEPHONE: (614) 318-2692  
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PROJECT INFORMATION:

STORE NO.: #5307

"CLOCKTOWER COMMONS"  
CROSSTOWN BLVD NW & HANSON  
BLVD NW  
ANDOVER, MN 55304

DATE: November 12, 2024

PROJECT NO. 2023-0519  
DRAWN BY TRC  
CHECKED BY DRL

ISSUE RECORD:  
08/03/2024 PERMIT SET  
08/20/2024 BID SET  
11/12/2024 CONSTRUCTION SET

REVISIONS:

TITLE: ARCHITECTURAL WALL TYPES

SHEET NUMBER: A111

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilku, LICENSE # 54678

## FINISH LEGEND

LGD. #	FLOOR FINISHES	LGD. #	WALL BASE FINISHES	LGD. #	CEILING/DECK FINISHES
F1	POLISHED CONCRETE	B1	BLACK RUBBER, COVELESS	C1	OPEN TO STRUCTURE, UNPAINTED
F2	QUARRY TILE	B2	QUARRY TILE, COVE	C2	STONEWOOD
F3	EXISTING EXTERIOR CONCRETE	B3	BLACK RUBBER, COVE	C3	GYP BD; PAINT "MOONLIT SNOW"
F4	NOT USED	B4	QUARRY TILE, COVELESS	C4	2X4 VINYL-FACED LAY-IN
F5	NOT USED	B5	CERAMIC TILE	C5	NOT USED
F6	NOT USED				

LGD. #	DOOR FINISHES	LGD. #	WALL BASE FINISHES
D1	PAINT "BLACK"	P1	GYP BD; PAINT "MOONLIT SNOW"
D2	PAINT "KNIGHTS ARMOR"	P2	FIBERGLASS REINFORCED PANELS TO 4'-0" AFF (SMOOTH)
		P3	GYP BD; PAINT "THIN ICE", EGGSHELL, REFER TO A701 AND A710
		P4	GYP BD; PAINT "THIN ICE", GLOSS(EPOXY)
		P5	CERAMIC TILE - WHITE
		P6	FIBERGLASS REINFORCED PANELS (PEBBLED FINISH)
		P7	NOT USED
		P8	NOT USED
		P9	SPALTED MAPLE WALL PANEL, HORIZONTAL GRAIN
		P10	EXISTING STOREFRONT
		P11	STONEWOOD WALL PANEL
		P12	NOT USED
		P13	STAINLESS STEEL

## GENERAL NOTES - FINISH PLAN

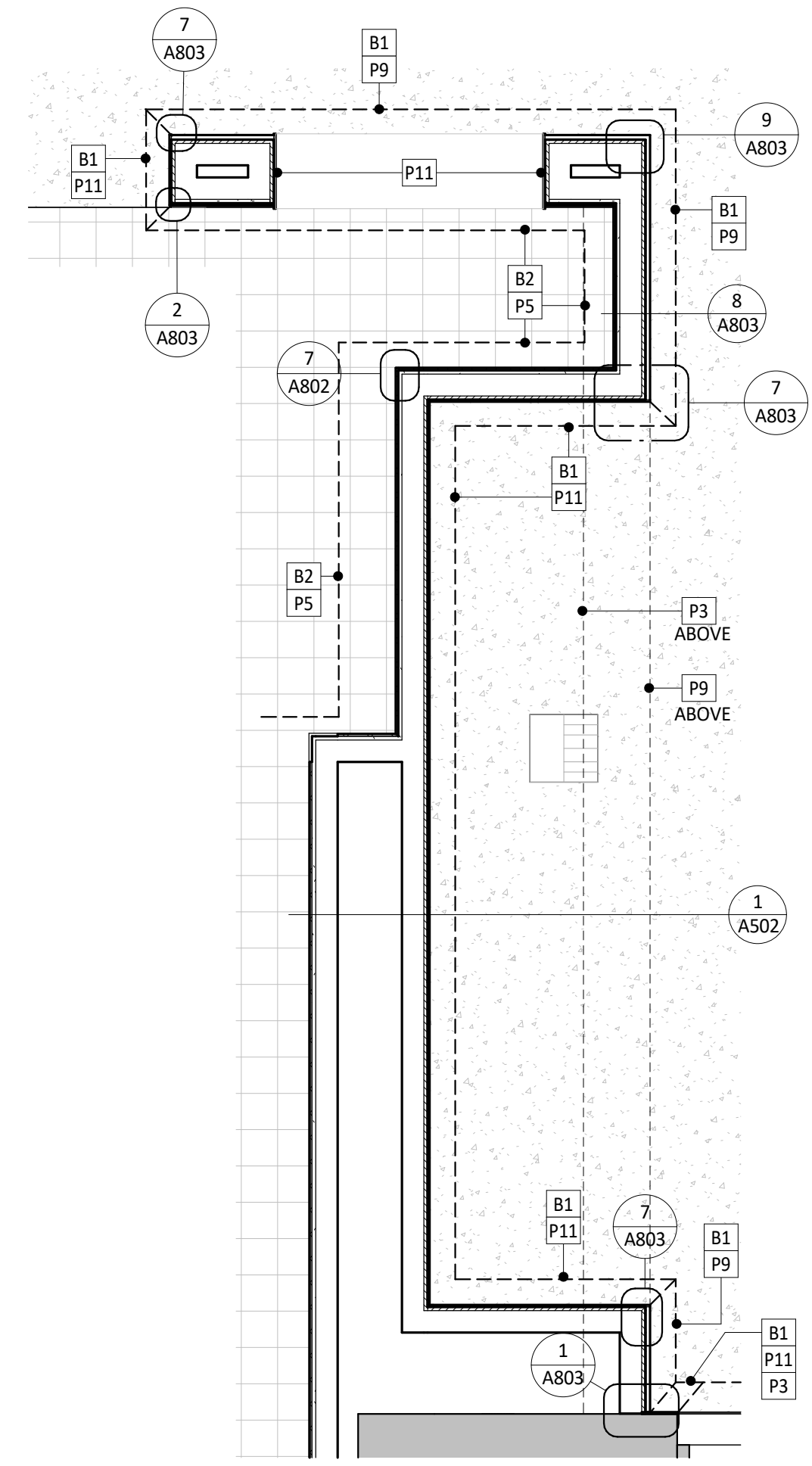
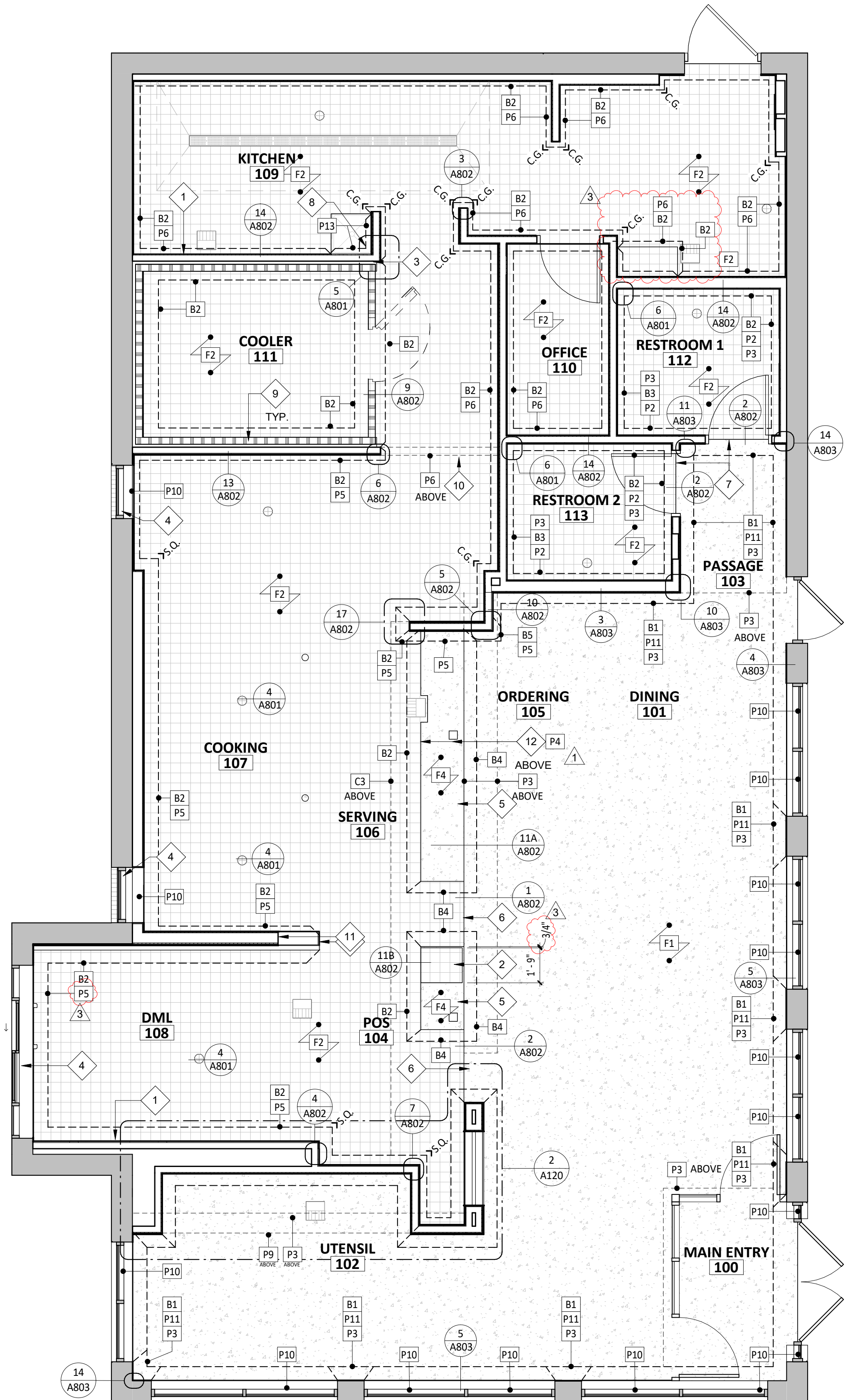
- A. STONEWOOD WALL PANELS AND WAINSCOTS PROVIDED BY TMS, INSTALLED BY GC.
- B. SPALTED MAPLE PANELS PROVIDED BY TMS, INSTALLED BY GC.
- C. GC IS RESPONSIBLE FOR SEQUENCING OF PREWIRING WITH COMPLETION OF INTERIOR FINISHES (GYP. BD. FINISHES).
- D. PROVIDE WATER PROOFING MEMBRANE, REFER TO A802 DETAILS. PROVIDE ON INTERIOR OF ALL RESTROOM WALLS, REFER TO A801 DETAILS

## FINISH PLAN SYMBOL LEGEND

- = PROVIDE A SCHLUTER QUADREC METAL CORNER AT ALL TILED CORNERS - REFER TO A802 FOR ADDITIONAL INFORMATION
- = PROVIDE 1 1/2" X 1 1/2" STAINLESS STEEL CORNER GUARD UP TO 5'-0" A.F.F. - 1 1/2" X 1 1/2" FRP CORNER GUARD FROM TOP TO CEILING - REFER TO A802 FOR ADDITIONAL INFORMATION
- = PROVIDE END GUARD - REFER TO A802 FOR ADDITIONAL INFORMATION

## KEYNOTE LEGEND

- 1 GENERAL CONTRACTOR TO PROVIDE 18 GAUGE STAINLESS STEEL SHROUD AROUND EXPOSED LINES AT ICE MAKER.
- 2 PROVIDE QUARRY TILE ON TOP OF CURB FOR SMART SAFE - PROVIDE BULLNOSE TILE TO LAP OVER TOP CUT EDGE OF BASE TILE - REFER TO A802 FOR ADDITIONAL INFORMATION - GENERAL CONTRACTOR TO COORDINATE EXTENT OF QUARRY TILE WITH KES PRIOR TO INSTALLATION
- 3 FRP ENCLOSURE PANEL AT COOLER GAP - REFER TO A801 FOR ADDITIONAL INFORMATION.
- 4 ALUMINUM PLATE BELOW DRIVE-THRU AND KITCHEN WINDOW - REFER TO A802 FOR ADDITIONAL INFORMATION.
- 5 CONCRETE CURB FOR EQUIPMENT WITH QUARRY TILE BASE AT ALL EXPOSED EDGES.
- 6 EXTENT OF QUARRY TILE FROM KITCHEN.
- 7 EXTENT OF QUARRY TILE FLOOR FROM RESTROOMS - ALIGN EDGE OF FLOOR WITH CENTER OF DOOR JAMB, SEE A802 FOR MORE INFO.
- 8 PROVIDE STAINLESS STEEL ON WALL TO 24" ABOVE TOP OF MOP SINK - FLASH BOTTOM EDGE OVER MOP SINK RIM - BEND STAINLESS STEEL AT INSIDE CORNER SO THERE IS NO JOINT - REFER TO A801 FOR ADDITIONAL INFORMATION.
- 9 COOLER WALL PANELS AS PROVIDED BY THE COOLER MANUFACTURER HAVE A 26-GAUGE COATED AND EMBOSSED STEEL FINISH.
- 10 PROVIDE TOP CORNER AT TRANSITION FROM GYPSUM BOARD CEILING TO FRP WALL - REFER TO A210 FOR ADDITIONAL INFORMATION.
- 11 ALUMINUM ENDCAP - REFER TO A802 FOR ADDITIONAL INFORMATION.
- 12 BOTTOM OF SOFFIT AT SERVE LINE AND TRANSITION TO KITCHEN ACT TO RECEIVE NON-POROUS EPOXY-BASED PAINT.



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

**2** ENLARGED FINISH PLAN  
SCALE: 1/2" = 1'-0"



CHIPOTLE MEXICAN GRILL, INC.  
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PROJECT INFORMATION:

STORE NO.: #5307  
"CLOCKTOWER COMMONS"  
CROSSTOWN BLVD NW & HANSON  
BLVD NW  
ANDOVER, MN 55304

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.  
Matthew M. Wilkus LICENSE # 54678  
DATE January 08, 2025

PROJECT NO. 2023-0519  
DRAWN BY TRC  
CHECKED BY DRL

ISSUE RECORD:  
06/03/2024 PERMIT SET  
08/20/2024 BID SET  
11/12/2024 CONSTRUCTION SET

REVISIONS:  
1 07.03.2024 Health Comments  
2 08.20.2024 City Comments  
3 12.19.2024 CB#01

TITLE:  
FINISH PLAN

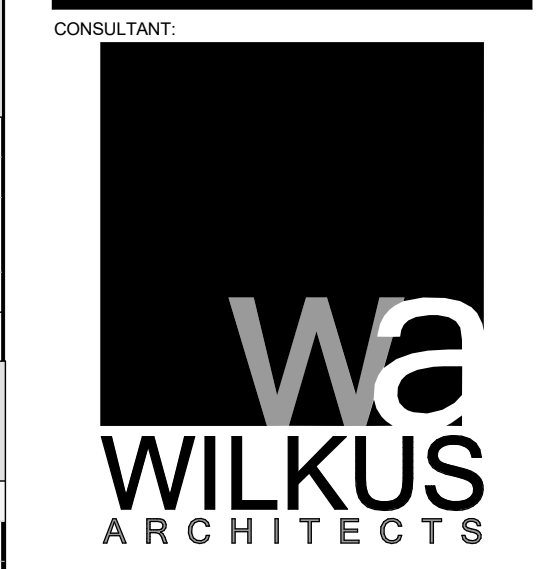
SHEET NUMBER:  
A120

# GENERAL NOTES - FF& E

- A. REFER TO SHEET A131 FOR EQUIPMENT LIST AND FURNITURE SCHEDULE.
- B. ALL DIMENSIONS TO EXTERIOR OR EXISTING WALLS ARE TO THE FINISH FACE OF THE EXISTING GYP. BD.
- C. ALL DIMENSIONS ARE TO FACE OF FRAMING, EDGE OF EQUIPMENT, OR CENTERLINE OF EQUIPMENT UNLESS NOTED OTHERWISE.
- D. ALL FURNITURE TO BE SQUARE/PARALLEL TO TENANT SPACE/WALLS AS SHOWN ON PLANS.

# KEYNOTE LEGEND

- 1 CO2 REMOTE FILLER - VERIFY FINAL LOCATION WITH CHIPOTLE'S CONSTRUCTION MANAGER.
- 2 ELECTRICAL PANEL LOCATION - SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- 3 BYPASS DISTRIBUTION PANEL - SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- 4 HOSE BIBB - REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION.
- 5 CHEMICAL CLEANING DISPENSING SYSTEM WITH INTEGRAL AIR GAP - REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION.
- 6 OFFICE DESK AND SHELVING - REFER TO SHEET A702 AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- 7 WATER FILTER ABOVE - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- 8 MOVEABLE BACK-UP TRASH BINS FOR DINING AREA TRASH SURROUNDS - TYPICAL OF TWO (2).
- 9 HOLD TRASH SURROUND OFF 2" AROUND ADJACENT WALL SURFACES - TYPICAL.
- 10 ALIGN TRASH SURROUND WITH EDGE OF DOOR.
- 11 KRONOS TIMECLOCK WILL BE LOCATED 44" A.F.F. TO THE TOP OF UNIT - CENTER KRONOS UNIT IN WALL - REFER TO ELECTRICAL DRAWINGS.
- 12 ANSUL PULL TO BE LOCATED 48" A.F.F. TO THE CENTER OF UNIT ABOVE THE TIMECLOCK LOCATION.
- 13 TELEPHONE BOARD ABOVE - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 14 DASHED LINE INDICATES LOCATION OF HOOD ABOVE.
- 15 MOVEABLE LINEN BINS WITH LID - TYPICAL OF FOUR (4).
- 16 HATCHED LOCATION DESIGNATES FIRE RISER EQUIPMENT LOCATION AND ACCESS CLEARANCE



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PROJECT INFORMATION:

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 CROSSTOWN BLVD NW & HANSON  
 BLVD NW  
 ANDOVER, MN 55304

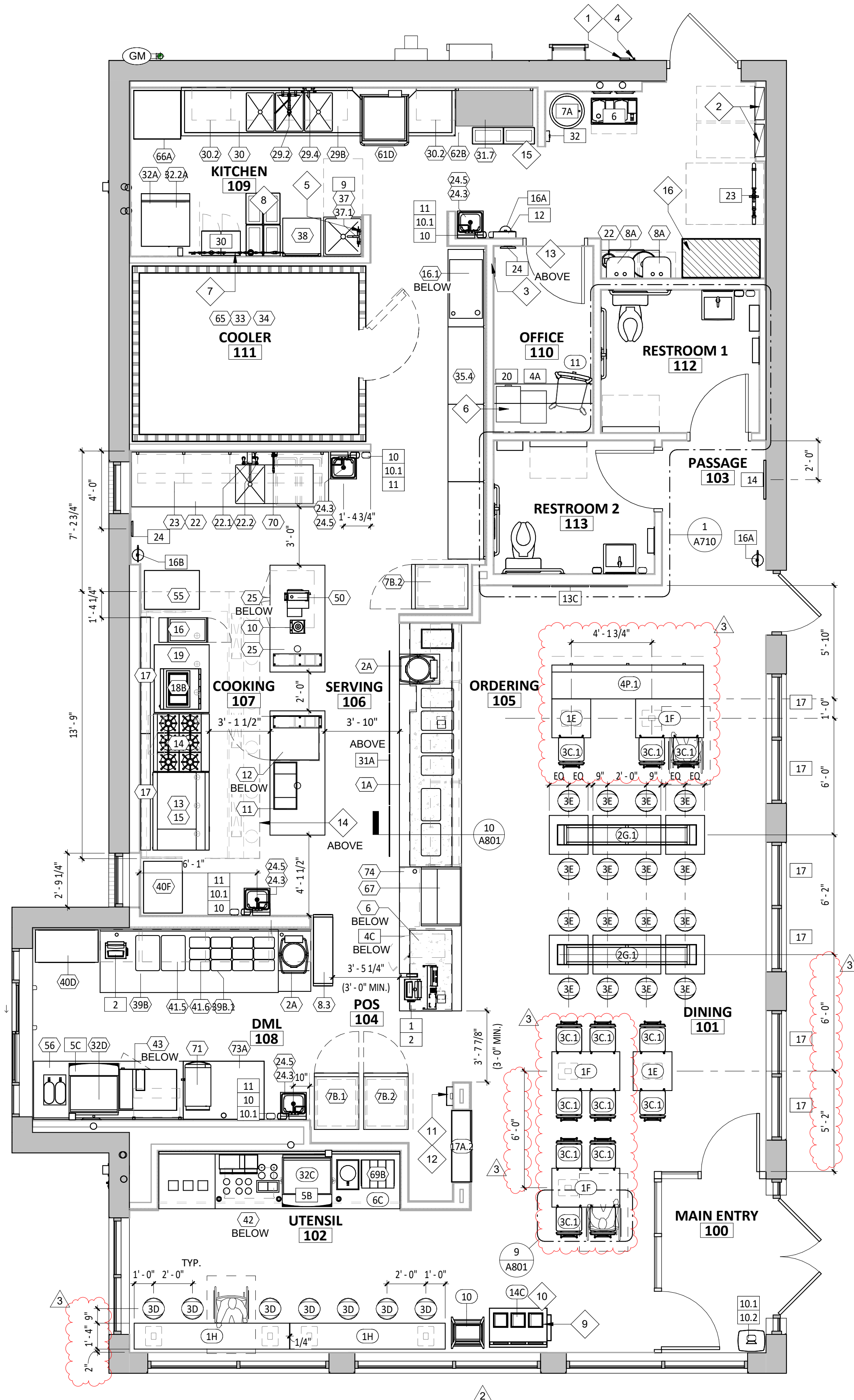
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 Matthew M. Wilkus LICENSE # 54678  
 DATE January 08, 2025

PROJECT NO. 2023-0519  
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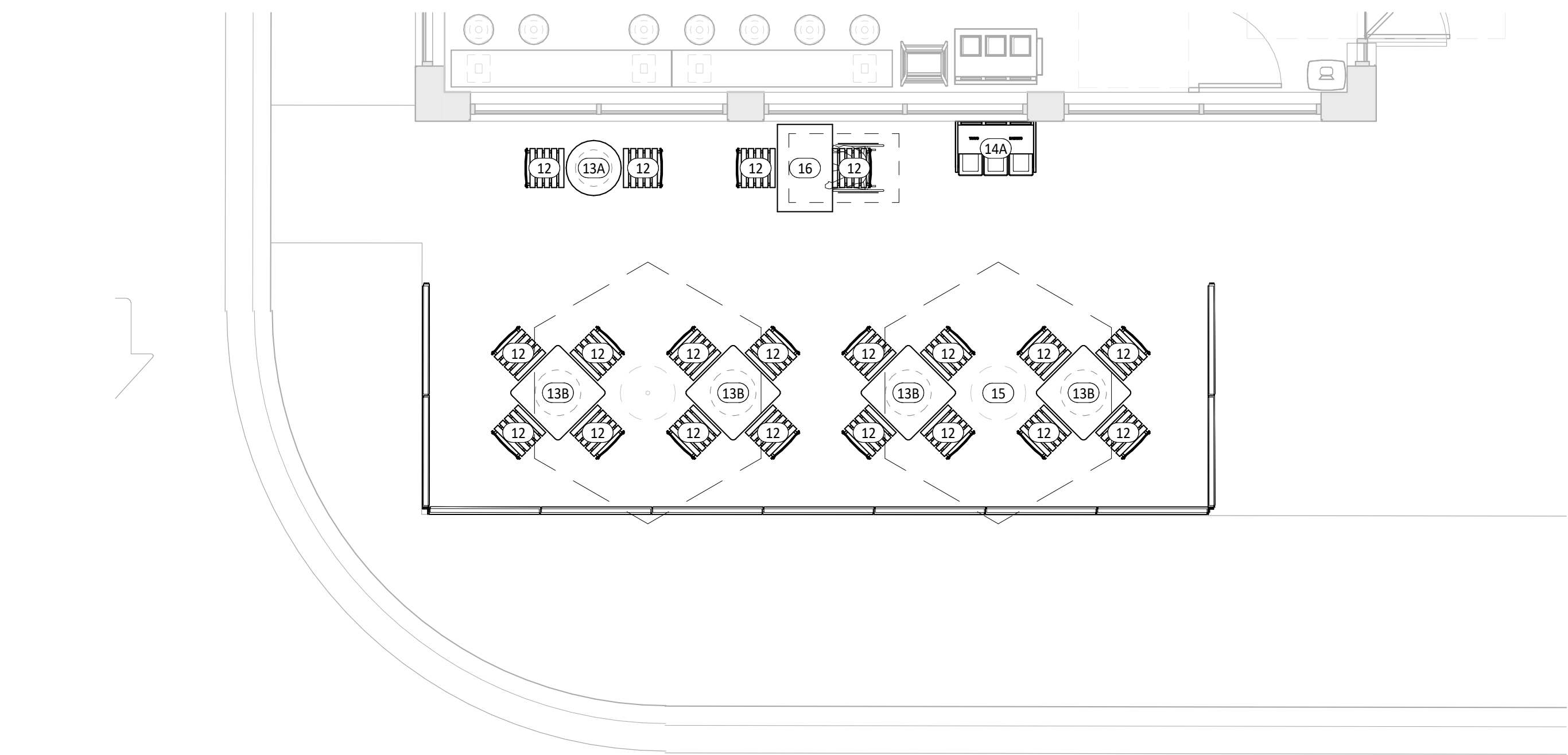
REVISIONS:  
 2 08.20.2024 City Comments  
 3 12.19.2024 CB#01

TITLE:  
 FF&E PLAN

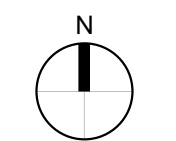
SHEET NUMBER:  
 A130



**1** FURNITURE, FIXTURE, & EQUIPMENT PLAN  
 SCALE: 1/4" = 1'-0"



**2** FURNITURE, FIXTURE & EQUIPMENT PATIO PLAN  
 SCALE: 1/4" = 1'-0"



KITCHEN EQUIPMENT LIST

Main table listing kitchen equipment with columns for TAG, DESCRIPTION, MANUFACTURER, MODEL NO., QTY, FURNISHED BY, INSTALLED BY, UTILITY (ELEC, GAS, WATER, SEWER), and REMARKS.

MISC. EQUIPMENT LIST

Miscellaneous equipment list table with columns for TAG, DESCRIPTION, QTY, FURNISHED BY, INSTALLED BY, UTILITY, and REMARKS.

FURNITURE LIST

Furniture list table with columns for TAG, DESCRIPTION, QTY, FURNISHED BY, INSTALLED BY, UTILITY, and REMARKS.

CONSULTANT:



CLIENT:



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PROJECT INFORMATION:

STORE NO. : #5307 "CLOCKTOWER COMMONS" CROSSTOWN BLVD NW & HANSON BLVD NW ANDOVER, MN 55304

SCALE:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus LICENSE # 54678

DATE November 12, 2024

PROJECT NO. 2023-0519 DRAWN BY TRC CHECKED BY DRL

ISSUE RECORD: 06/03/2024 PERMIT SET 08/20/2024 BID SET 11/12/2024 CONSTRUCTION SET

REVISIONS:

TITLE: FF&E SCHEDULES

SHEET NUMBER:

A131

# HVAC EQUIPMENT

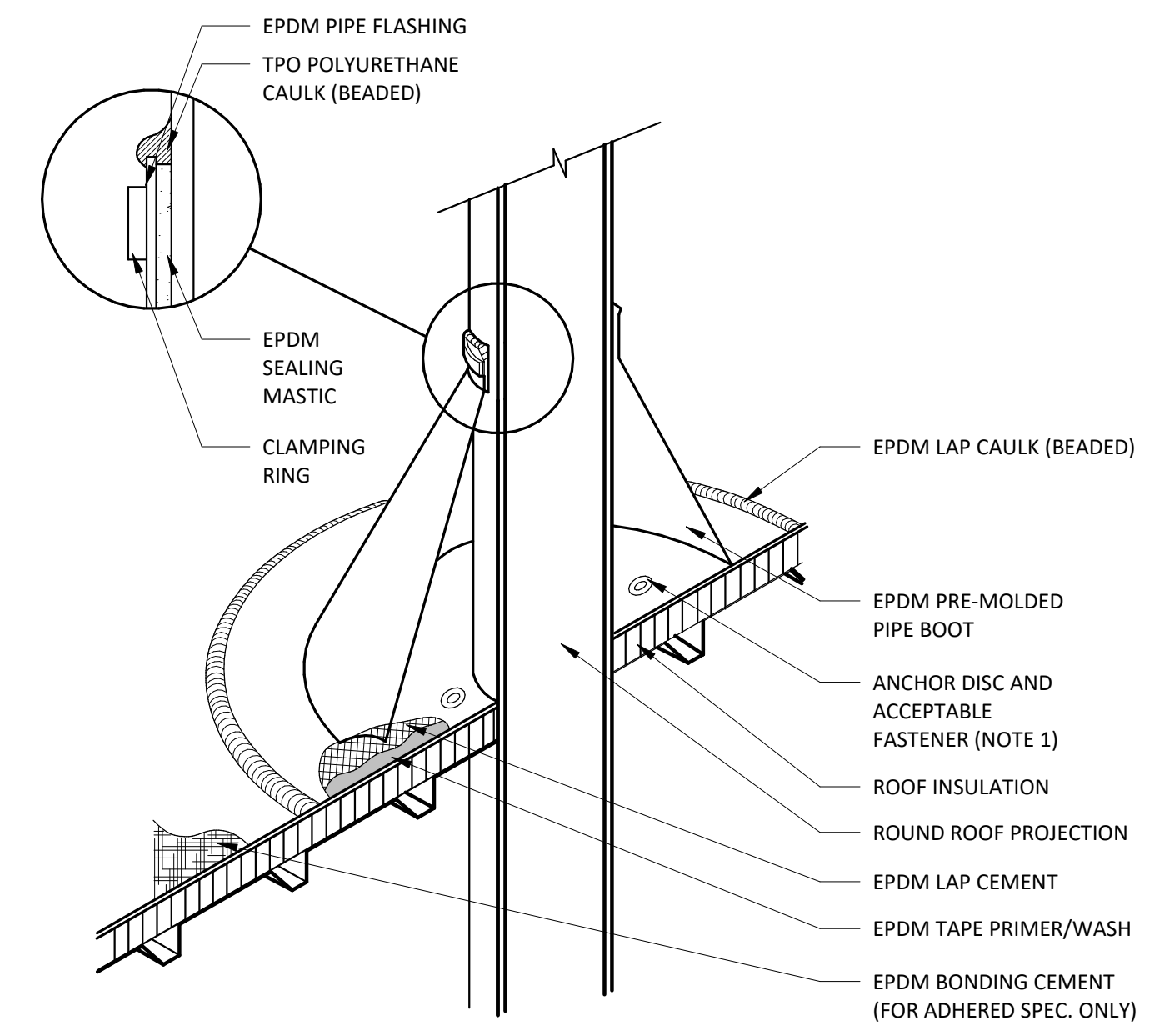
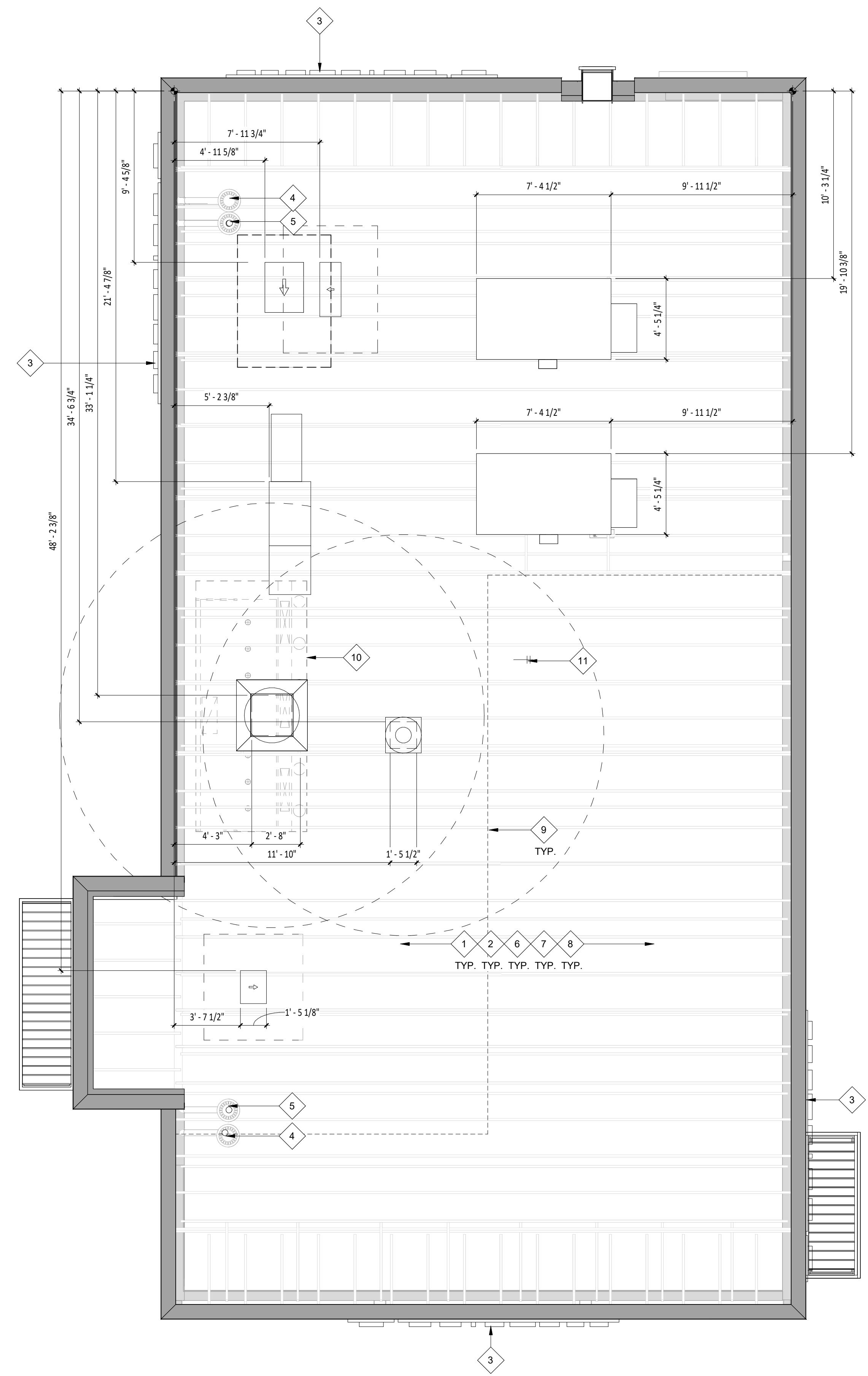
DESCRIPTION	FURNISHED BY	INSTALLED BY	UTILITY			REMARKS
			ELEC	GAS	WATER	
Exhaust Fans & Curbs	HS	GC	•			Curb furnished by HS, installed by GC
Make Up Air Unit & Curbs	HS	GC	•	•	•	Curb furnished by HS, installed by GC
Roof Top Units & Curbs	HES	GC	•	•	•	Curb furnished by HS, installed by GC
Test & Balance System	TAB	-				Furnish HVAC Test & Balance per Tenant's National Account Program.

# GENERAL NOTES - ROOF PLAN

- SEE STRUCTURAL DRAWINGS FOR LOCATIONS AND SIZE OF STRUCTURAL ROOF REINFORCEMENTS.
- SEE MECHANICAL PLANS FOR ROOF TOP EQUIPMENT.
- COORDINATE ALL ROOF PENETRATIONS, FLASHING, AND REPAIR W/ CHIPOTLE CONSTRUCTION MANAGER PRIOR TO COMMENCEMENT OF WORK.
- DIMENSIONS FOR ROOF TOP EQUIPMENT WITH CURBS IS TO THE OUTSIDE FACE OF CURB. DIMENSIONS FOR EQUIPMENT WITHOUT CURBS ARE TO THE CENTER OF THE UNIT. ALL DIMENSIONS ARE FOR REFERENCE ONLY. ROOFING CONTRACTOR TO ADJUST AS NECESSARY IN FIELD. CONTACT ENGINEERING CONSULTANTS FOR ANY MAJOR MODIFICATIONS TO LAYOUT.
- JOISTS FOR SHELL BUILDING WERE DESIGNED FOR THE RTU WEIGHTS AND PLACEMENT EXHIBITED. IF LOCATION OR ORIENTATION OF A UNIT MUST CHANGE, NOTIFY ARCHITECT IMMEDIATELY.
- SEE M700 FOR PENETRATION DETAILS AT RTUS AND THE EXHAUST FAN.
- PROVIDE INSULATED CURBS FOR ALL EQUIPMENT IN EXPOSED DECK AREA ONLY.
- PROVIDE TAPERED INSULATED CRICKET AT ALL EQUIPMENT CURBS.
- LOCATE ALL UNITS SO DUCT DROPS BETWEEN TRUSS JOISTS. NOTIFY ARCHITECT IMMEDIATELY IF ANY UNITS NEED TO SHIFT FROM PLAN LOCATION SHOWN.

# KEYNOTE LEGEND

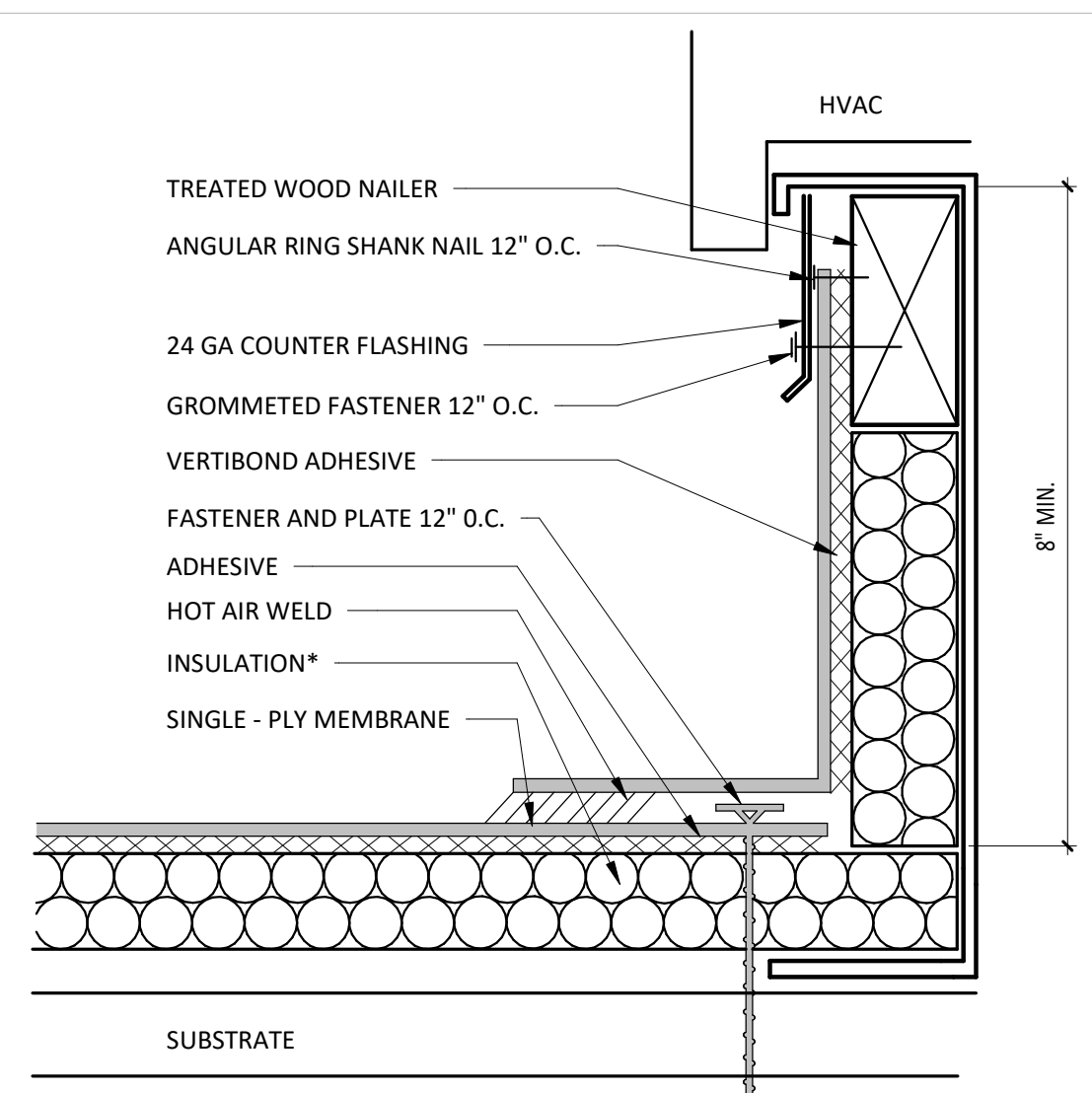
1	EXISTING FULLY ADHERED PVC ROOFING SYSTEM AND RIGID INSULATION - PATCH AND REPAIR AS REQUIRED - REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2	EXISTING WOOD JOISTS BELOW SHOWN FOR REFERENCE ONLY - REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
3	SIGNAGE BY TENANT'S VENDOR - GENERAL CONTRACTOR TO PATCH AND REPAIR ADJACENT WALL AS REQUIRED FOR SIGN INSTALLATION - GENERAL CONTRACTOR TO COORDINATE SIGNAGE PENETRATIONS WITH SIGNAGE VENDOR.
4	OVERFLOW ROOF DRAIN LOCATION - GENERAL CONTRACTOR IS RESPONSIBLE OF SNAKE CLEANING PRIOR TO BUILDING TURNOVER.
5	PRIMARY ROOF DRAIN LOCATION - GENERAL CONTRACTOR IS RESPONSIBLE OF SNAKE CLEANING PRIOR TO BUILDING TURNOVER.
6	ALL ROOF PENETRATIONS, INCLUDING MINOR ROOF VENTS AND SIMILAR ITEMS, MAY NOT BE INDICATED ON PLAN - GENERAL CONTRACTOR TO VERIFY AND COORDINATE SCOPE SO AS TO INDICATE ALL ROOFING AND FLASHING WORK SO AS TO OBTAIN AND/OR MAINTAIN EXISTING ROOFING WARRANTIES.
7	LOCATIONS OF ALL ROOF PENETRATIONS ARE TO BE VERIFIED WITH APPROPRIATE SUBCONTRACTOR.
8	GENERAL CONTRACTOR TO CLEAN ROOF OF ALL CONSTRUCTION DEBRIS AT PROJECT COMPLETION.
9	HIDDEN LINE INDICATES SOFFIT LOCATION BELOW IN WHICH TERMINATES TO UNDERSIDE OF EXISTING DECK.
10	DASHED LINE INDICATES LOCATION OF HOOD SYSTEM BELOW.
11	ROOF HYDRANT - REFER TO PLUMBING FOR ADDITIONAL INFORMATION.



- NOTE:**
- WITH MECHANICALLY FASTENED OR BALLASTED SPECIFICATIONS, MEMBRANE MUST BE MECHANICALLY ATTACHED WITH 2" (50 mm) ANCHOR DISC AND ACCEPTABLE FASTENERS (MINIMUM OF 4 PER PIPE).
  - DO NOT OVERLAP THE FLANGES FROM ADJACENT PIPE FLASHINGS.
  - ANY SEAM UNDER BOOT FLANGE TO BE TREATED AS T-JOINT.
  - BOTH SURFACES TO BE MATED MUST BE CLEANED WITH TAPE PRIMER/WASH. EPDM TAPE PRIMER/WASH MUST BE COMPLETELY DRY AND TACK FREE BEFORE APPLYING EPDM LAP CEMENT.

# 2 BOOT DETAIL

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



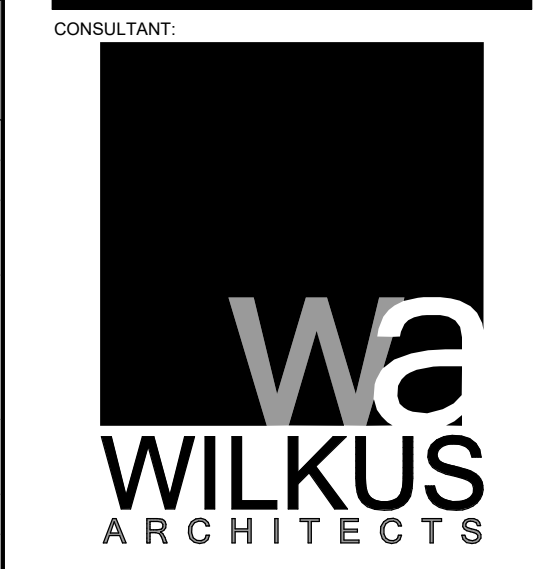
- NOTES:**
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
  - DO NOT SCALE DRAWINGS.
  - USE PREFABRICATED OUTSIDE CORNERS.
  - INSULATION MUST BE SECURELY FASTENED.
  - \*GLASS-FACED POLYISO INSULATION IS OPTIONAL AND MAY NOT BE REQUIRED ON EVERY PROJECT. IF INSULATION IS NOT REQUIRED, THE MEMBRANE MUST BE ADHERED TO AN APPROVED SURFACE.

# 3 CURB FLASHING

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

# 1 ROOF PLAN

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



CLIENT:

CHIPOTLE MEXICAN GRILL, INC.  
PO BOX 182966  
COLUMBUS, OH 43218-2966  
TELEPHONE: (614) 318-2962  
INTERNET: WWW.CHIPOTLE.COM

PROJECT INFORMATION:

STORE NO.: #5307  
"CLOCKTOWER COMMONS"  
CROSSTOWN BLVD NW & HANSON  
BLVD NW  
ANDOVER, MN 55304

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus, LICENSE # 54678  
*Matthew M. Wilkus*

DATE: November 12, 2024

PROJECT NO. 2023-0519  
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CHECKED BY DRL

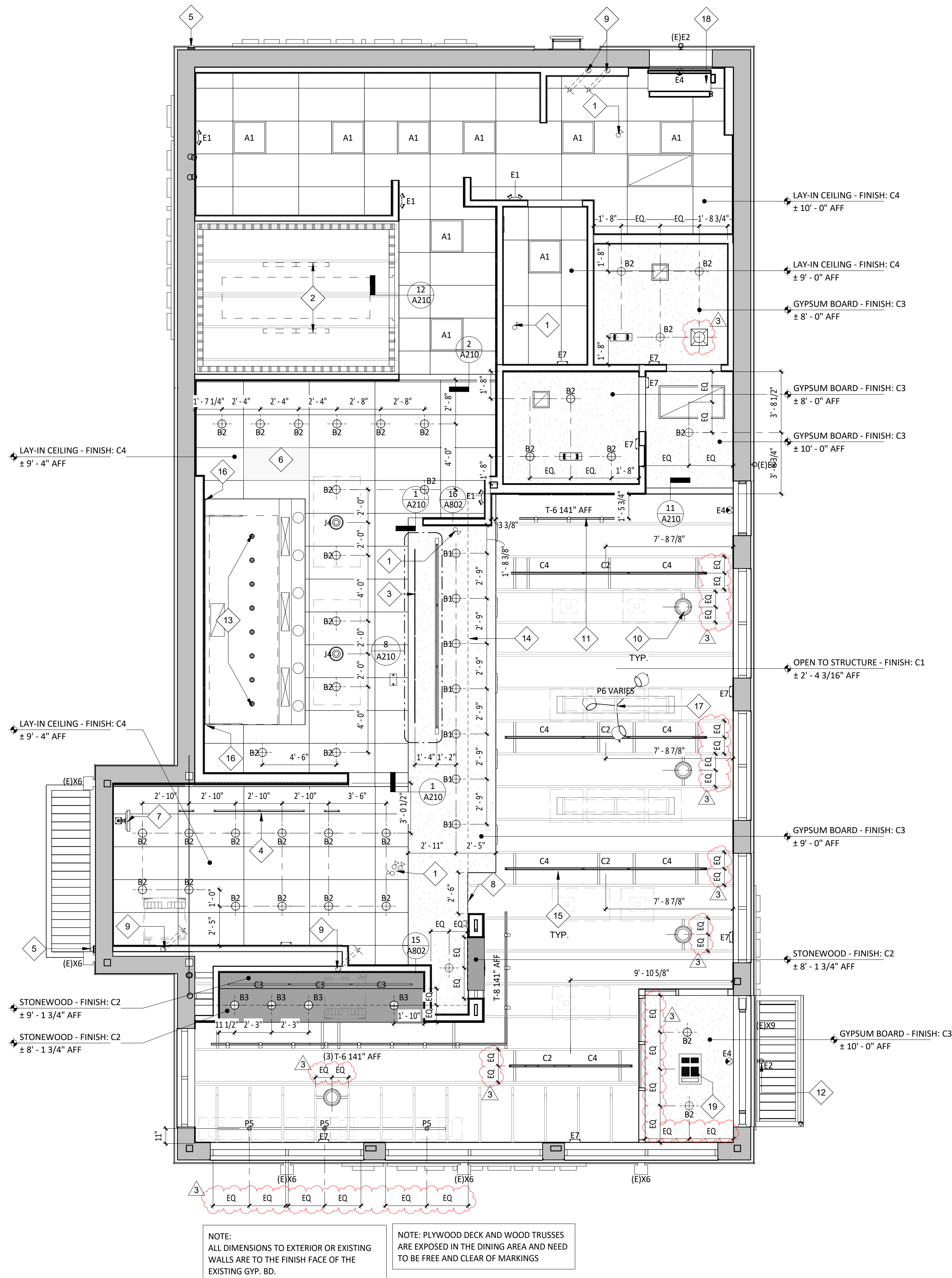
ISSUE RECORD:

06/03/2024	PERMIT SET
08/20/2024	BID SET
11/12/2024	CONSTRUCTION SET

REVISIONS:


TITLE:  
ARCHITECTURAL  
ROOF PLAN

SHEET NUMBER:  
A140



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

### LIGHTING FIXTURE SCHEDULE

ITEM #	MOUNT	DESCRIPTION	REMARKS
<b>EXISTING</b>			
(E)E2	VARIOUS	EMERGENCY LIGHT - SINGLE HEAD	SEE SHEET E100
(E)X6	WALL	WALL PACK BY LANDLORD	SEE SHEET E100
(E)X9	SURFACE	LED CHANNEL LIGHT BY LANDLORD	SEE SHEET E100
<b>NEW</b>			
A1	LAY-IN	2x2 LED LENSED TROFFER	SEE SHEET E100
B1	CEILING	RECESSED 6IN CAN LIGHT	SEE SHEET E100
B2	CEILING	RECESSED 6IN CAN LIGHT	SEE SHEET E100
B3	CEILING	M4.0 - RECESSED 6IN CAN LIGHT (BLACK)	SEE SHEET E100
C0	SURFACE	LOW PROFILE LED 1FT	SEE SHEET E100
C1	SURFACE	LOW PROFILE LED 2FT	SEE SHEET E100
C2	SURFACE	LOW PROFILE LED 3FT	SEE SHEET E100
C3	SURFACE	LOW PROFILE LED 4FT	SEE SHEET E100
C4	SURFACE	LOW PROFILE LED 5FT	SEE SHEET E100
E1	VARIOUS	EMERGENCY LIGHT - DUAL HEAD	SEE SHEET E100
E2	VARIOUS	EMERGENCY LIGHT - SINGLE HEAD	SEE SHEET E100
E4	VARIOUS	WHITE EXIT LIGHT - STANDARD RED LETTERS	SEE SHEET E100
E7	VARIOUS	EMERGENCY LIGHT - DUAL HEAD	SEE SHEET E100
H1	SURFACE	VAPOR PROOF HOOD LIGHT	SEE SHEET E100
J4	PENDANT	M4.0 - PENDANT LIGHT	SEE SHEET E100
P5	PENDANT	PENDANT LIGHT	SEE SHEET E100
P6	PENDANT	M4.0 - MULTI-PENDANT LIGHT	SEE SHEET E100 & A701
T1	TRACK	TRACK LIGHTING HEAD	SEE SHEET E100
T-6	SUSPENDED	M4.0 - TRACK 6'	SEE SHEET E100
T-8	SUSPENDED	M4.0 - TRACK 8'	SEE SHEET E100

### GENERAL NOTES - RCP

- ALL INTERIOR LIGHT FIXTURES AND LAMPS PROVIDED BY TENANT'S LIGHT/LAMP SUPPLIER.
- ALL INTERIOR LIGHT FIXTURES AND LAMPS INSTALLED BY GC. CAREFULLY REVIEW LIGHTING FIXTURE SCHEDULE ON SHEET E100.
- KITCHEN EXHAUST HOOD PROVIDED BY HS AND INSTALLED BY GC. GC TO COORDINATE PRESSURE TEST AND VIRO GUARD WITH ENVIROMATIC, INC.
- ANSUL BOX & FIRE SUPPRESSION SYSTEM PROVIDED BY AND INSTALLED BY HS. HOOD INTERLOCK BY GC. ELECTRICAL CONNECTION BY GC, RE: ELEC.
- MENU BOARD ASSEMBLY PROVIDED BY TMB, INSTALLED BY G.C.
- PROVIDE BLOCKING ABOVE MENU BOARD ASSEMBLY FOR INSTALLATION.
- REFER TO "09900 PAINTING - GENERAL" IN SPECIFICATIONS FOR FINISHES AT EXPOSED CEILING AREAS IN ADDITION TO NOTES LISTED ON THIS SHEET AND A120
- UNISTRUT TO BE LEFT UNPAINTED. PROVIDE MATCHING CLOSER STRIPS AND END CAPS. CLOSER STRIP TO BE APPLIED TO THE UNDERSIDE OF THE UNISTRUT.
- ALL HEIGHTS ARE TO BOTTOM OF FIXTURE UNLESS NOTED OTHERWISE.
- LIGHT DETAILS ARE LOCATED ON SHEET A210. FIXTURE AND LAMP SPECIFICATIONS ARE LOCATED ON E100.
- ALL UNISTRUT SUPPORTING CEILING ELEMENTS AND/ OR DUCT WORK SHALL NOT CONTAIN ANY ELECTRICAL CONDUIT. ALL ELECTRICAL CONDUIT MUST RUN IN SEPARATE UNISTRUT.
- ALL UNISTRUT, CONDUIT, SPRINKLER & WATER LINES SHALL BE INSTALLED TO THE BOTTOM OF THE DECK OR AS SHOWN IN DETAILS & LEFT UNPAINTED.
- ALL DIMENSIONS ARE TO FACE OF FRAMING, OR CENTERLINE OF FIXTURE UNLESS NOTED OTHERWISE.
- SEE ELECTRICAL DRAWINGS FOR SHATTER RESISTANT LAMP LOCATIONS.
- ALL EMERGENCY FIXTURES, LIGHTS AND STROBES SHALL BE ALIGNED OR CENTERED ON WALLS.
- FULL CERAMIC TILE COURSE SHALL TAKE PRECEDENCE OVER ANY CEILING/HEADER DIMENSION INDICATED IN THE PLAN, REFER TO A120.
- ALL CONDUIT AND PIPE PENETRATIONS OF THE SERVING LINE SOFFIT ARE TO BE HELD TIGHT TO THE DECK. PLEASE CONSULT WITH THE CHIPOTLE CM SHOULD ANY CONFLICTS ARISE.
- BATT INSULATION TO BE INSTALLED ABOVE THE RESTROOM CEILING.
- ALL LAY-IN CEILING PENETRATIONS TO BE HELD TIGHT TO WALLS. REFER TO DETAIL ON SHEET A210 AND PLUMBING DRAWINGS FOR DETAILS.
- REFER TO STRUCTURAL DRAWINGS FOR HOOD SUSPENSION DETAILS.
- ALL EXTERIOR BUILDING MOUNTED AND PATIO LIGHT FIXTURES AND LAMPS PROVIDED BY TENANT'S LIGHT/LAMP SUPPLIER, U.N.O.
- ALL EXTERIOR PARKING LOT LIGHT FIXTURES AND LAMPS PROVIDED BY AND INSTALLED BY G.C. CAREFULLY REVIEW LIGHTING FIXTURE SCHEDULE ON SHEET E100.
- ALL EXTERIOR BUILDING MOUNTED AND PATIO LIGHT FIXTURES AND LAMPS INSTALLED BY G.C. CAREFULLY REVIEW LIGHTING FIXTURE SCHEDULE ON SHEET E100.
- SECURITY CAMERA LOCATIONS ARE ONLY APPROXIMATE LOCATIONS. FOR GUIDANCE ON THE SPECIFIC LOCATION/ORIENTATION OF THESE CAMERAS, REFER TO THE ENVISION INSTALLATION GUIDE
- REFER TO A120 FOR FINISH LEGEND.

### KEYNOTE LEGEND

- INTERIOR SECURITY CAMERA LOCATIONS - TYPICAL SIX (6) - CENTER IN CEILING TILE WHERE APPLICABLE.
- FLUORESCENT STRIP LIGHTING FOR COOLER PROVIDED BY COOLER MANUFACTURER - GENERAL CONTRACTOR TO PROVIDE ROUGH-IN AND FINAL HOOK-UP.
- LINE OF SUSPENDED MENU BOARD SYSTEM.
- UNDERSHELF TASK LIGHTING - REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
- EXTERIOR SECURITY CAMERA LOCATIONS - TYPICAL OF TWO (2).
- PROVIDE FREE AND CLEAR ACCESS TO HOOD AS REQUIRED - GENERAL CONTRACTOR TO COORDINATE WITH ALL TRADES TO MAINTAIN.
- LOCATION OF MONITOR BY TENANT'S VENDOR.
- HOLD SOFFIT FRAMING SO GYPSUM SOFFIT FINISH DOESN'T OVERLAP WALL FINISH ON BOX BELOW - REFER TO FINISH PLAN FOR ADDITIONAL INFORMATION.
- 4" PVC PIPES STUBBED ABOVE CEILING FOR SODA BUNDLE - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- FOUR (4) SPEAKERS - REFER TO SHEET A210 FOR ADDITIONAL INFORMATION.
- CENTER TRACK LIGHTING ON ARTWORK.
- MOUNT EMERGENCY LIGHT FIXTURE TO BOTTOM OF CANOPY.
- LIGHTS BY EXHAUST HOOD MANUFACTURER.
- FULL HEIGHT SOFFIT WALL TO DECK ABOVE SHOWN DASHED - ALIGN FINISHED FACE WITH BACK WALL OF MOPUS.
- CENTER LIGHT FIXTURES BETWEEN STRUCTURAL MEMBERS.
- PROVIDE STAINLESS STEEL ENCLOSURE PANEL BETWEEN PERIMETER OF HOOD AND ADJACENT WALLS/CEILINGS.
- CENTER LIGHT FIXTURE OVER TABLE
- UNHEATED AIR CURTAIN AT SERVICE DOOR, SEE MECHANICAL SHEETS FOR MORE INFORMATION.
- VESTIBULE HEATER

### SECURITY DEVICE SCHEDULE

DESCRIPTION	QTY	FURNISHED BY	INSTALLED BY	UTILITIES			REMARKS
				ELEC	GAS	SEWER WATER	
SECURITY MONITOR	1	SSS	SSS	•			
SECURITY ALARM - MOTION DETECTORS	1	T.B.D.	T.B.D.	•			GC RESPONSIBLE FOR COORDINATING SEQUENCING OF PREWIRING WITH COMPLETION OF INTERIOR FINISHES (GYP. BD. FINISHES)
72 HR SECURITY DVR	1	SSS	SSS	•			
CLOSED CIRCUIT T.V. CAMERA - OUTDOOR	2	SSS	SSS	•			INSTALL AT 9'-6" U.N.O.
CLOSED CIRCUIT T.V. CAMERA - INDOOR	6	SSS	SSS	•			

### SPEAKER SCHEDULE

ITEM #	QTY	DESCRIPTION	COLOR/FINISH	MOUNT	REMARKS
SP1	4	DINING ROOM SPEAKER	BLACK	SUSPENDED	REFER TO A201 & E110 FOR DETAILS

### CONDUIT GUIDELINES

SEE ELECTRICAL DRAWINGS FOR CONDUIT REQUIREMENTS. METAL CLAD CABLE AND FLEXIBLE METAL CONDUIT SHALL NOT BE INSTALLED IN AREAS EXPOSED TO VIEW UNLESS SPECIFICALLY NOTED OTHERWISE



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CROSSTOWN BLVD NW & HANSON  
BLVD NW  
ANDOVER, MN 55304

SCALE:

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Matthew M. Wilkus LICENSE # 54678

DATE January 08, 2025

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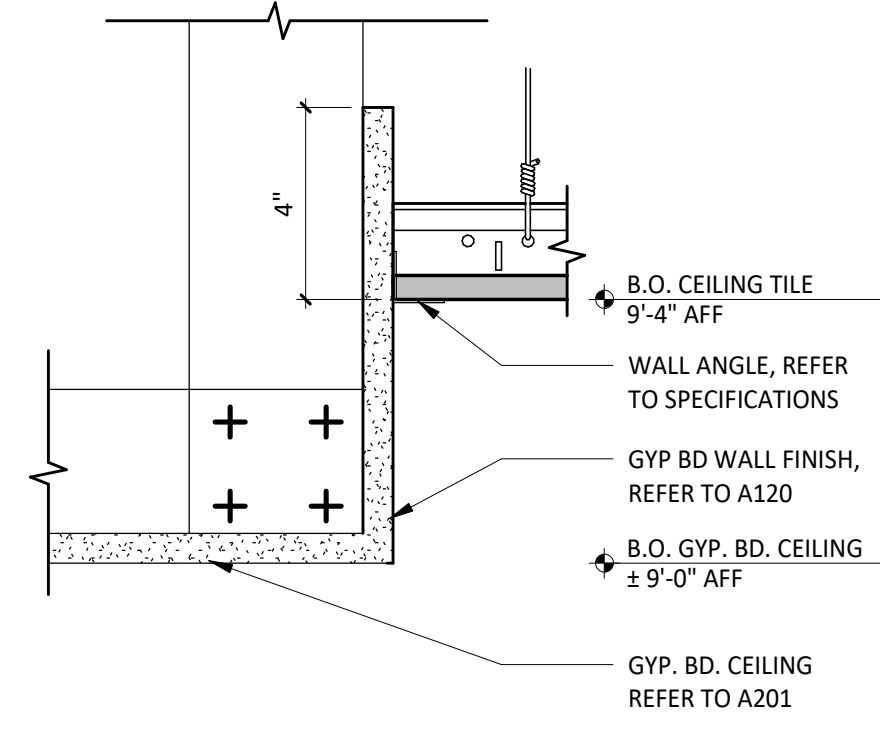
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08/20/2024 BID SET  
11/12/2024 CONSTRUCTION SET

REVISIONS:  
3 12.19.2024 CB#01

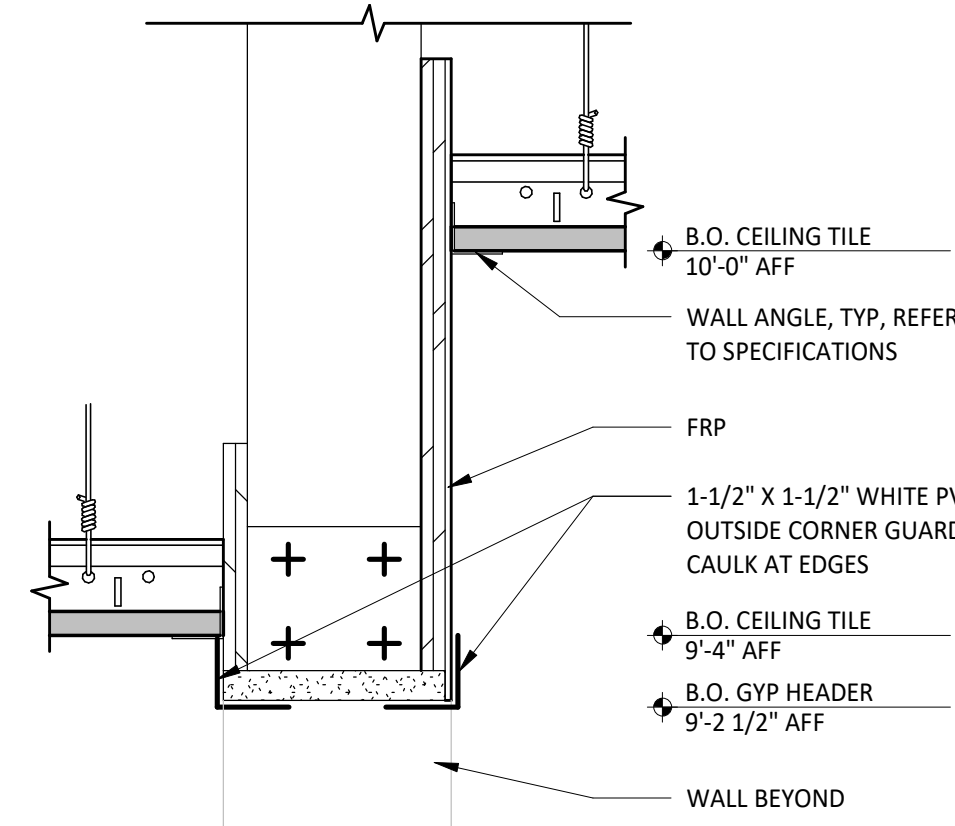
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SHEET NUMBER:

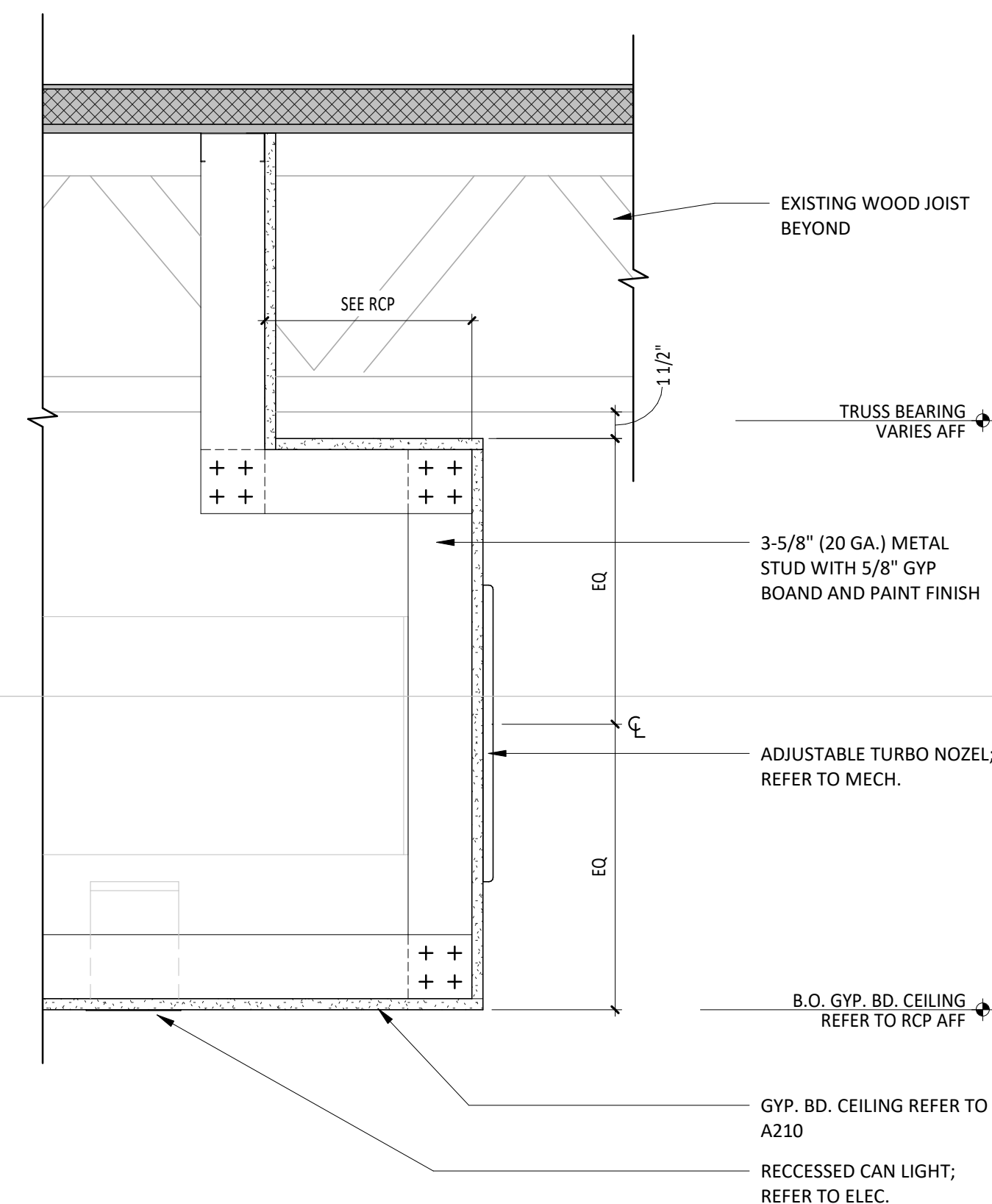
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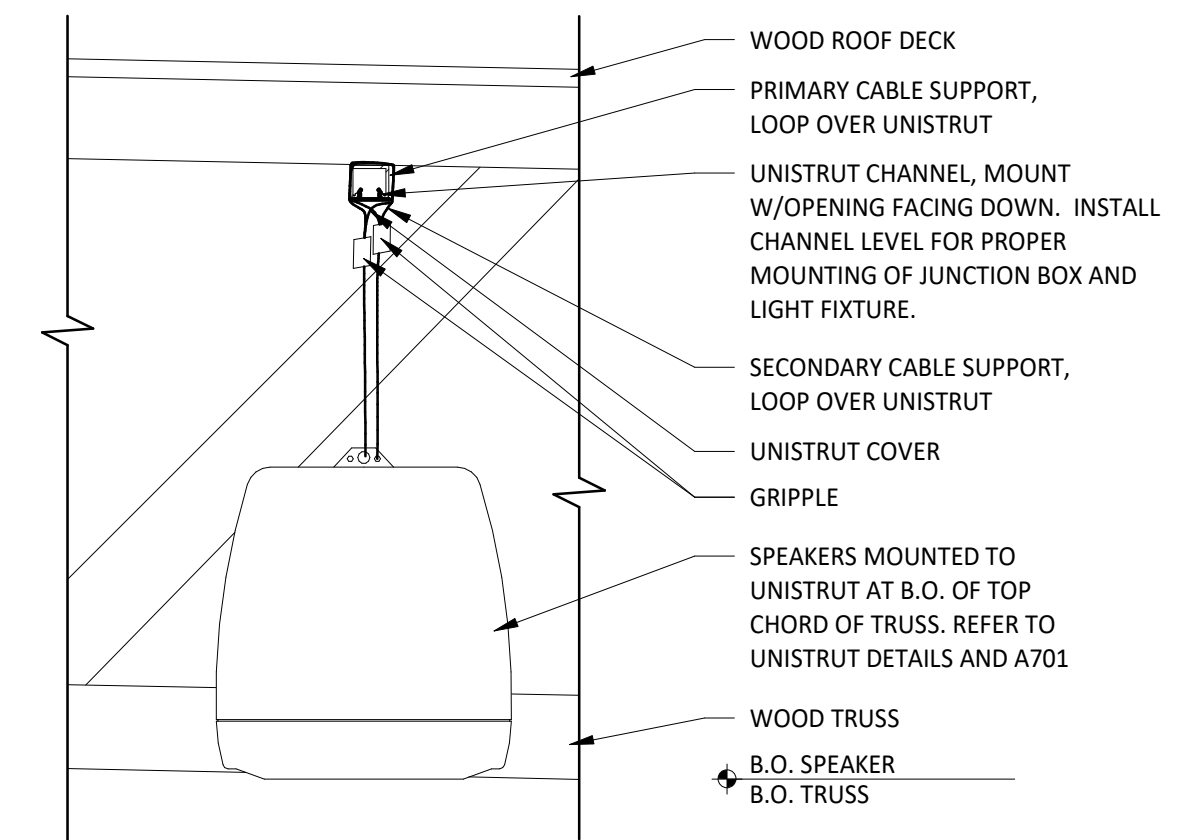
**1** KITCHEN CEILING TRANSITION  
SCALE: 3" = 1'-0"



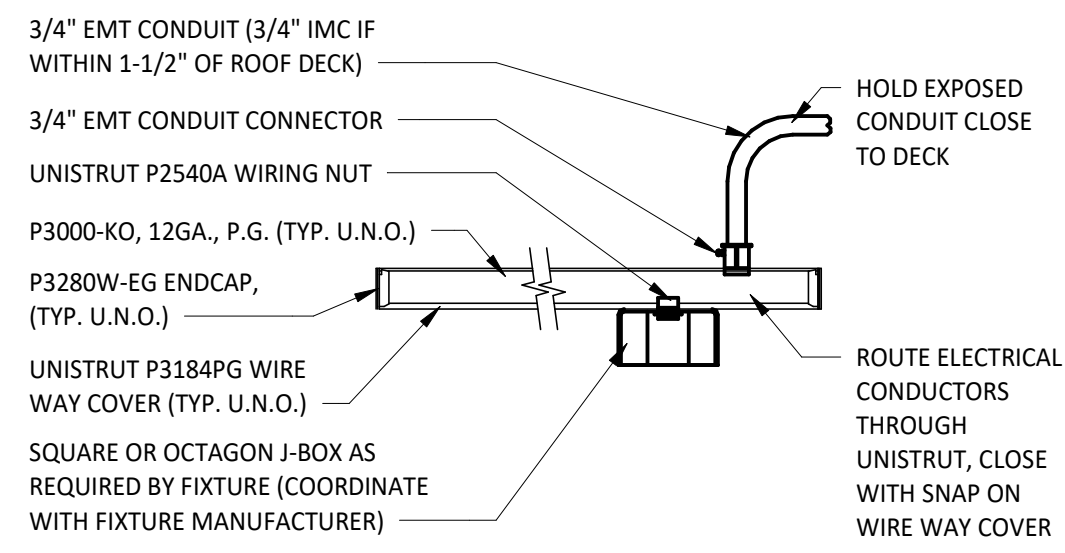
**2** KITCHEN CEILING TRANSITION  
SCALE: 3" = 1'-0"



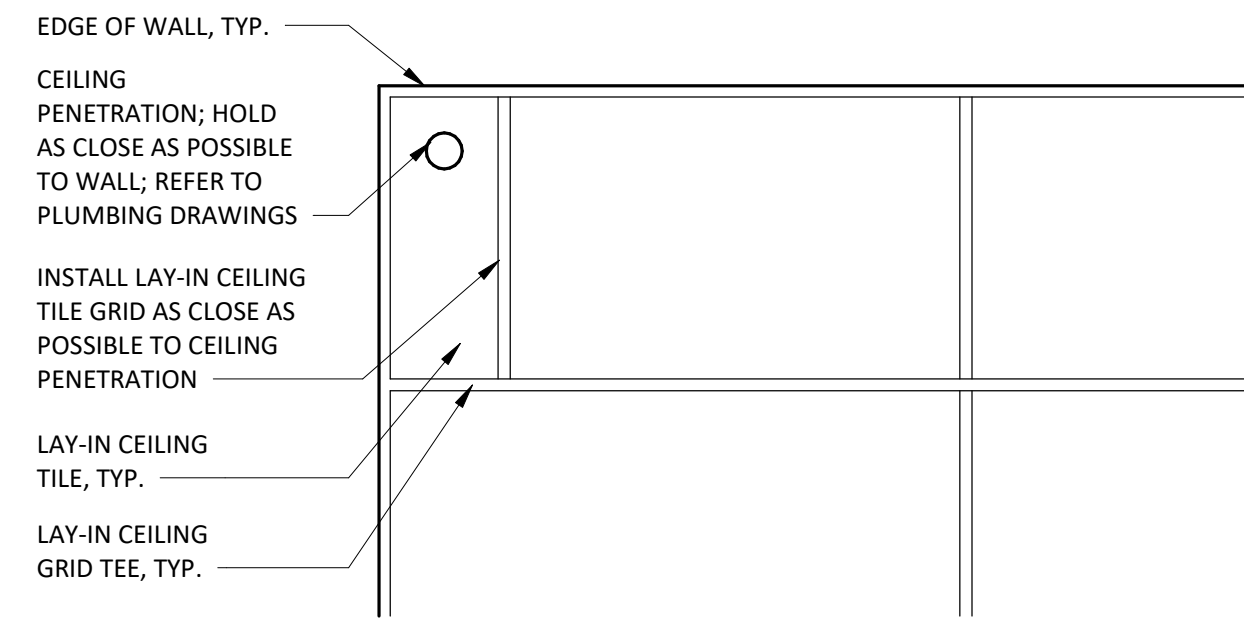
**5** SECTION @ JOIST SHELF  
SCALE: 1 1/2" = 1'-0"



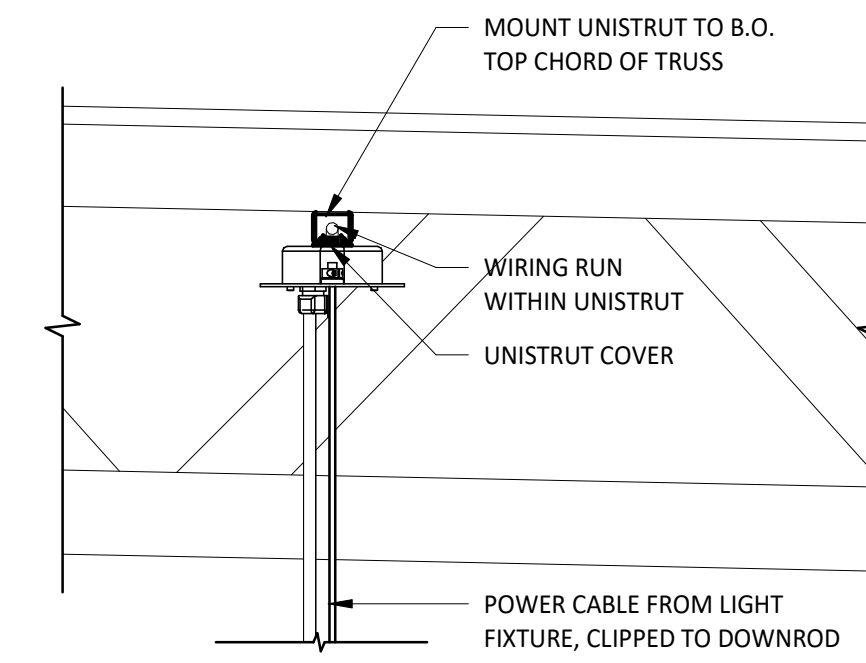
**6** SUSPENDED SPEAKER INSTALLATION  
SCALE: 1 1/2" = 1'-0"



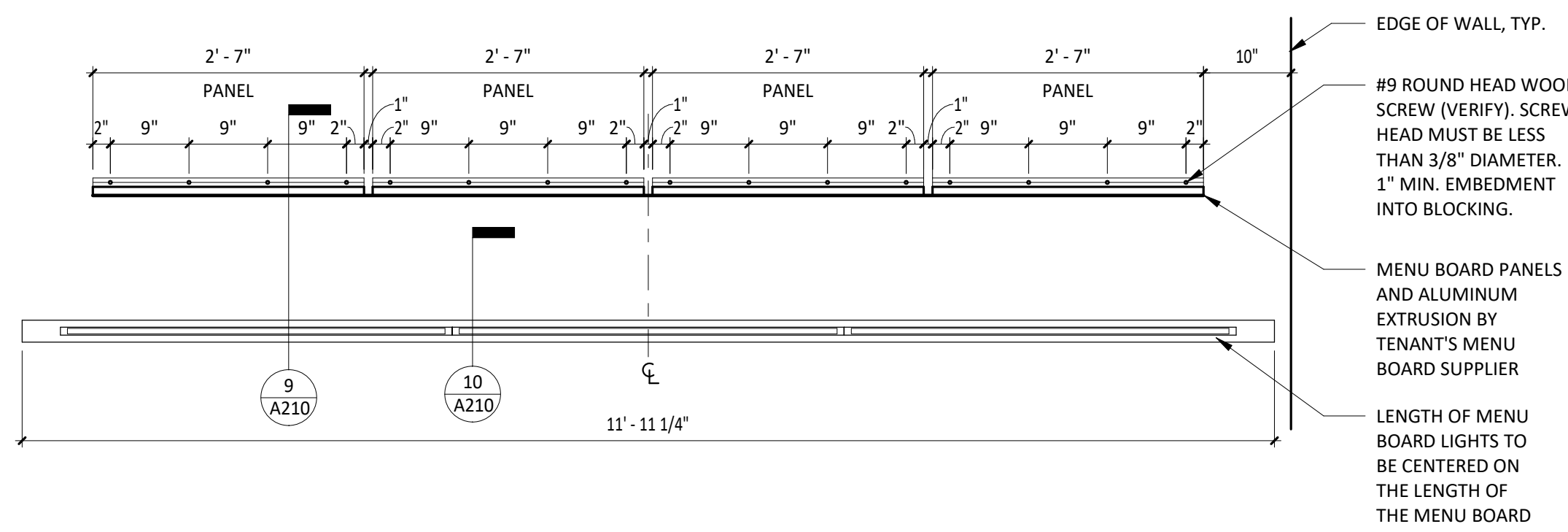
**3** UNISTRUT MOUNTING DETAIL  
SCALE: 1 1/2" = 1'-0"



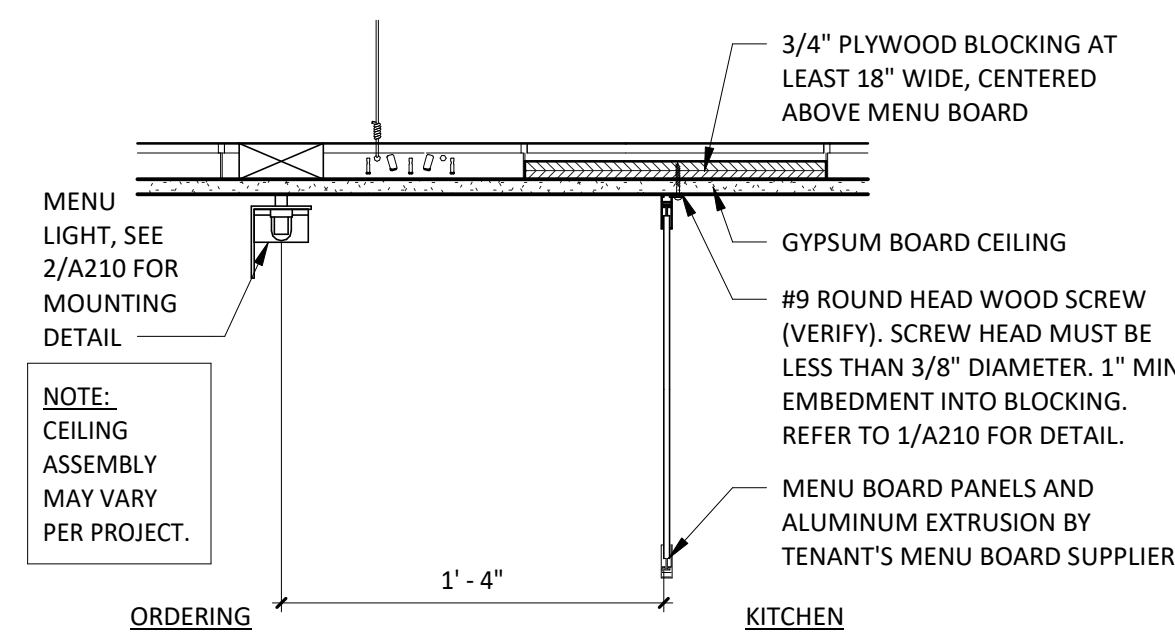
**4** LAY-IN CEILING PENETRATION - PLAN DETAIL  
SCALE: 3/4" = 1'-0"



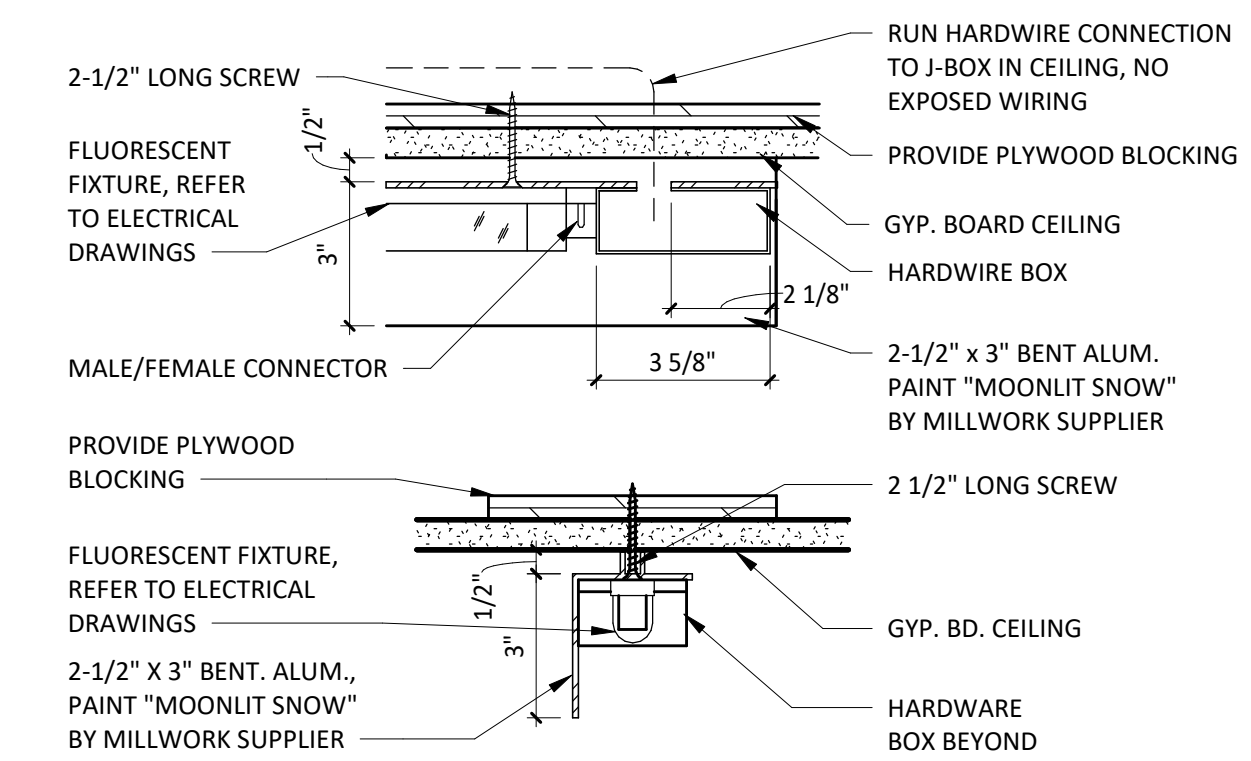
**7** TYP. UNISTRUT MOUNTING DETAIL  
SCALE: 1 1/2" = 1'-0"



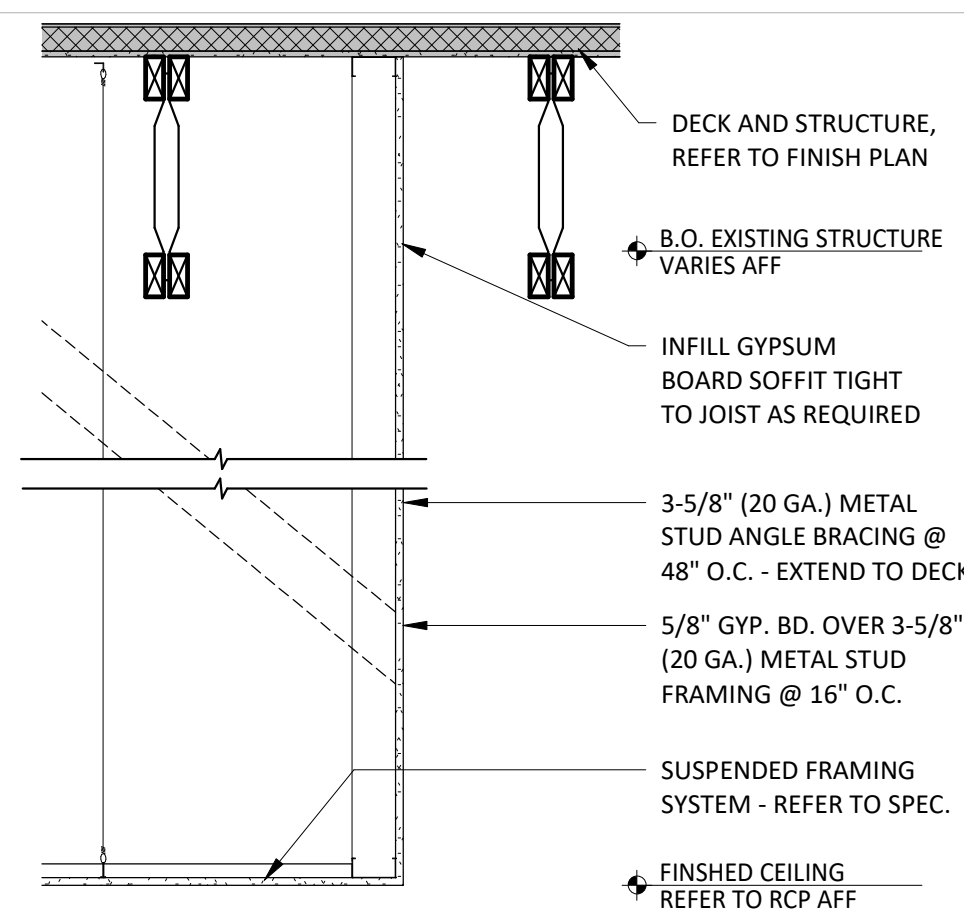
**8** MENU - SCREW PATTERN PLAN  
SCALE: 3/4" = 1'-0"



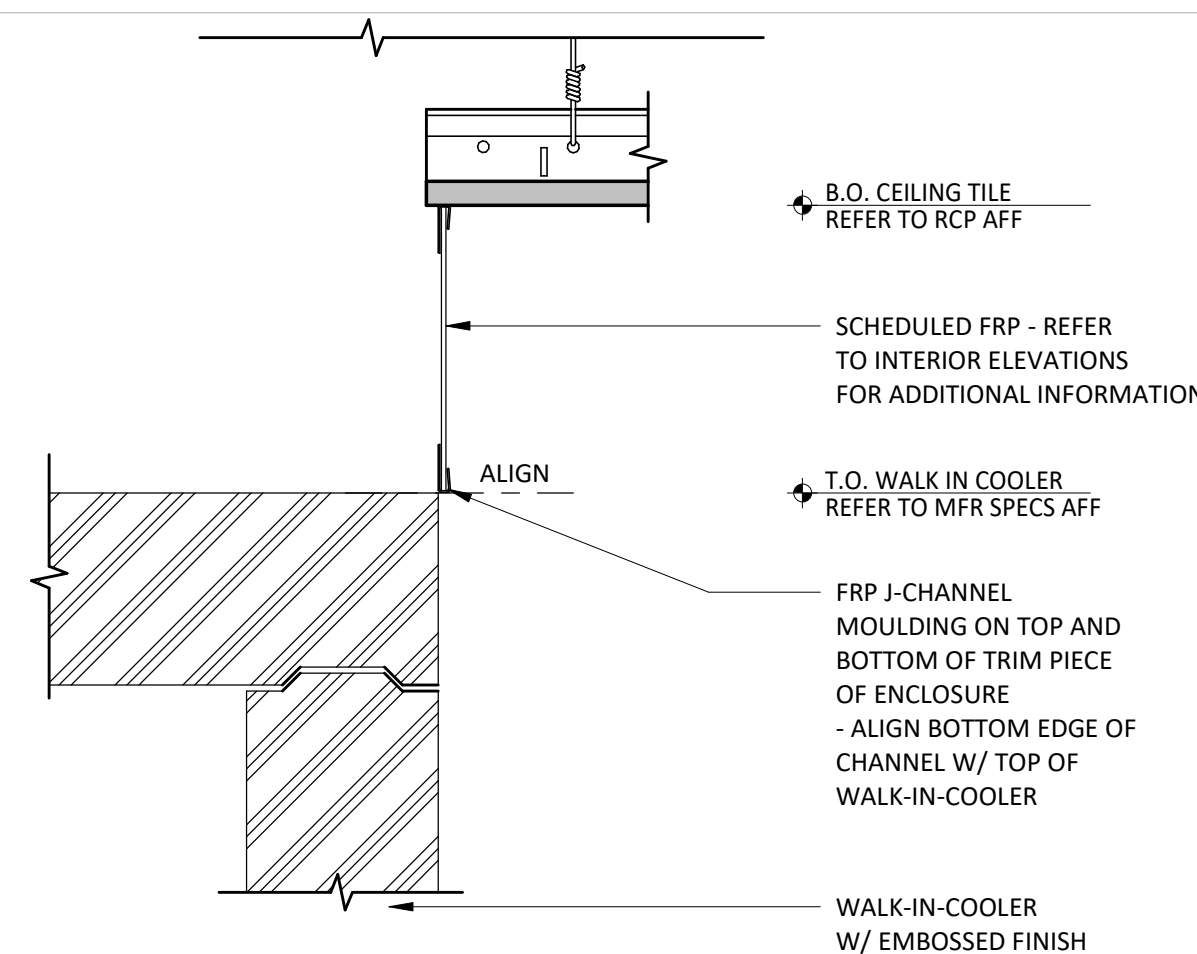
**9** MENU BOARD DETAIL  
SCALE: 1 1/2" = 1'-0"



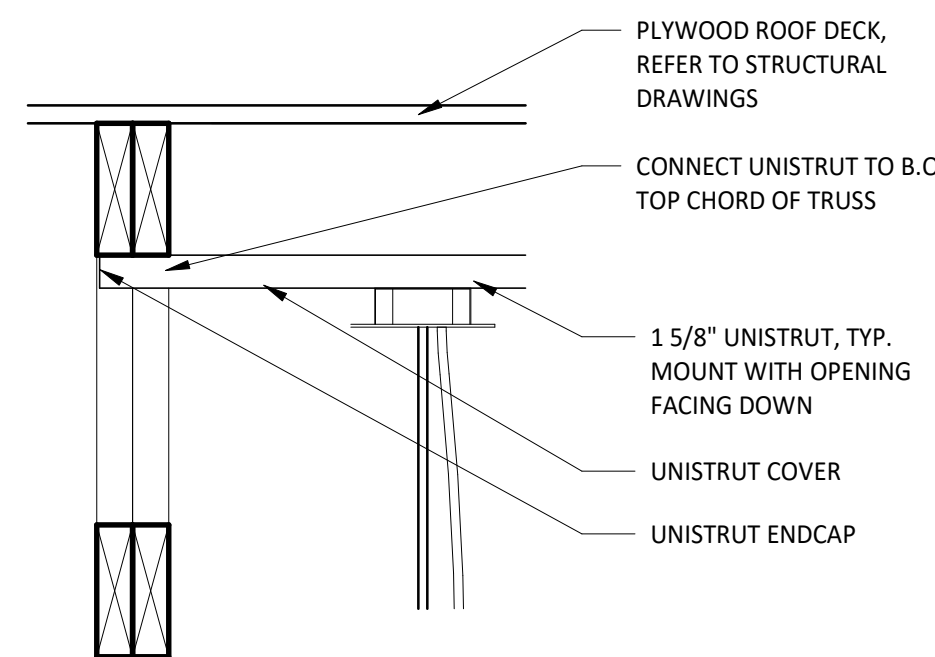
**10** MENU BOARD LIGHT DETAIL  
SCALE: 3" = 1'-0"



**11** SECTION @ SOFFIT  
SCALE: 3/4" = 1'-0"



**12** KITCHEN CEILING TRANSITION  
SCALE: 3" = 1'-0"



**13** TYP. UNISTRUT MOUNTING DETAIL  
SCALE: 1 1/2" = 1'-0"



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PROJECT INFORMATION

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ANDOVER, MN 55304

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Matthew M. Wilkus, LICENSE # 54678

DATE November 12, 2024

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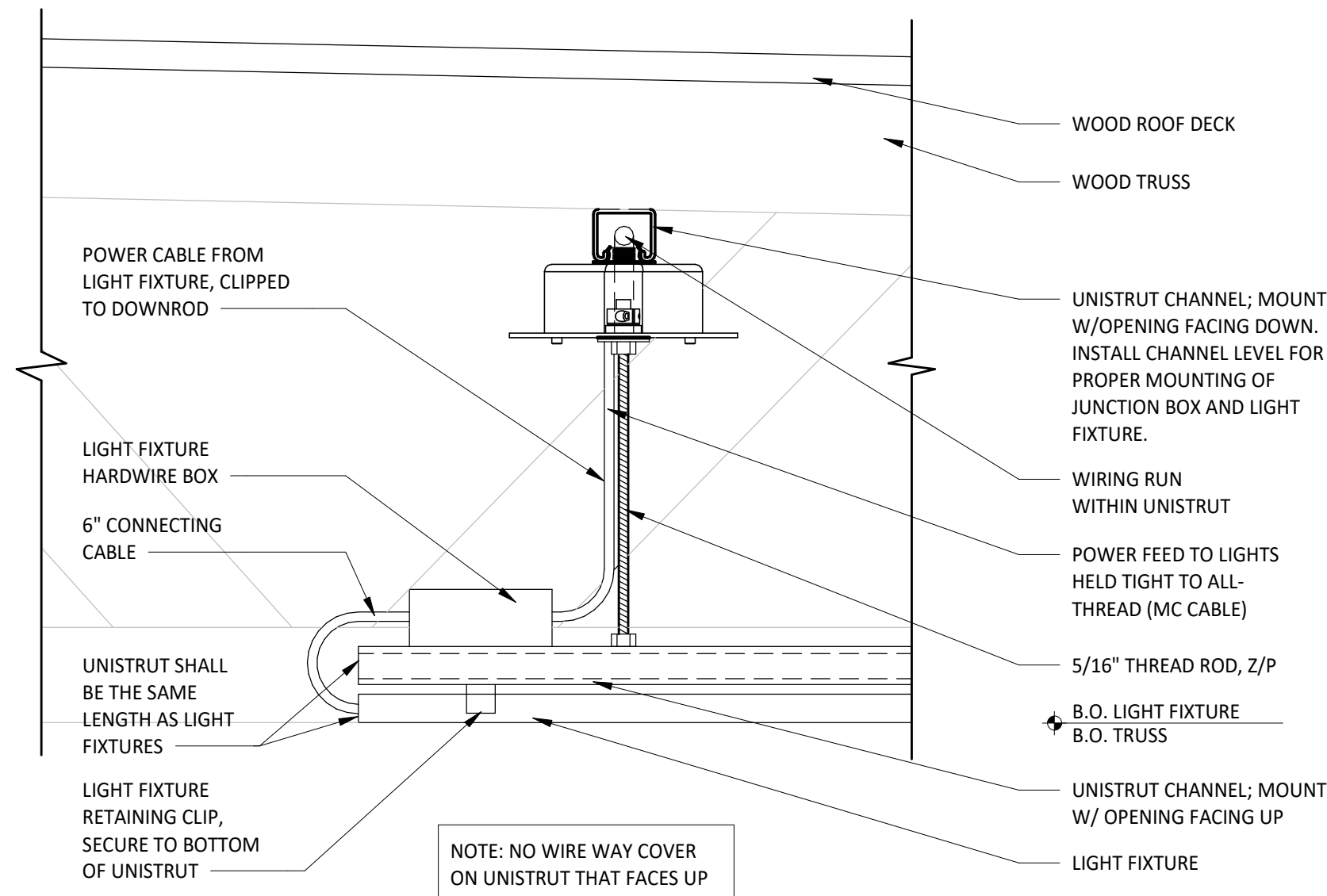
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11/12/2024 CONSTRUCTION SET

REVISIONS:

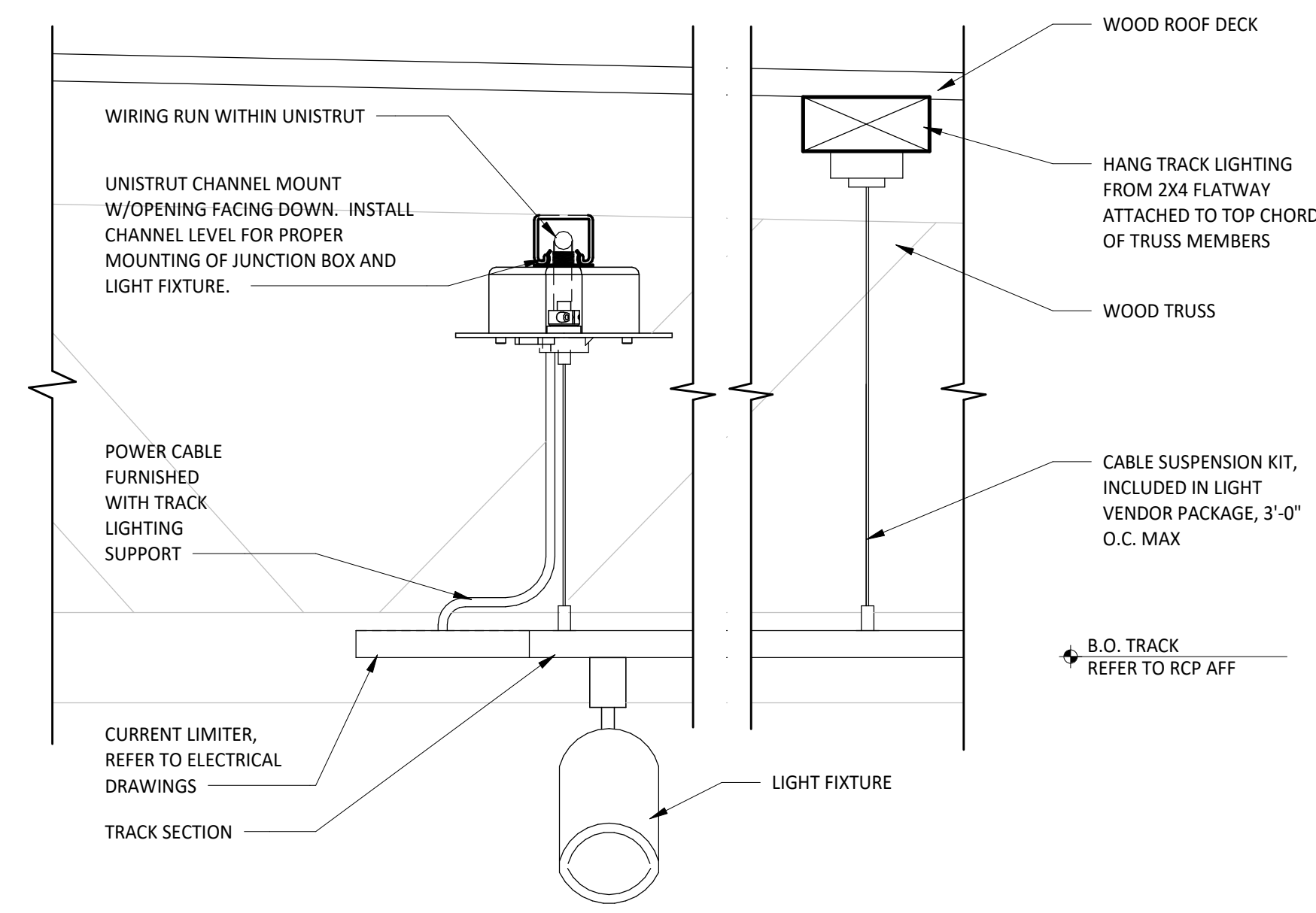
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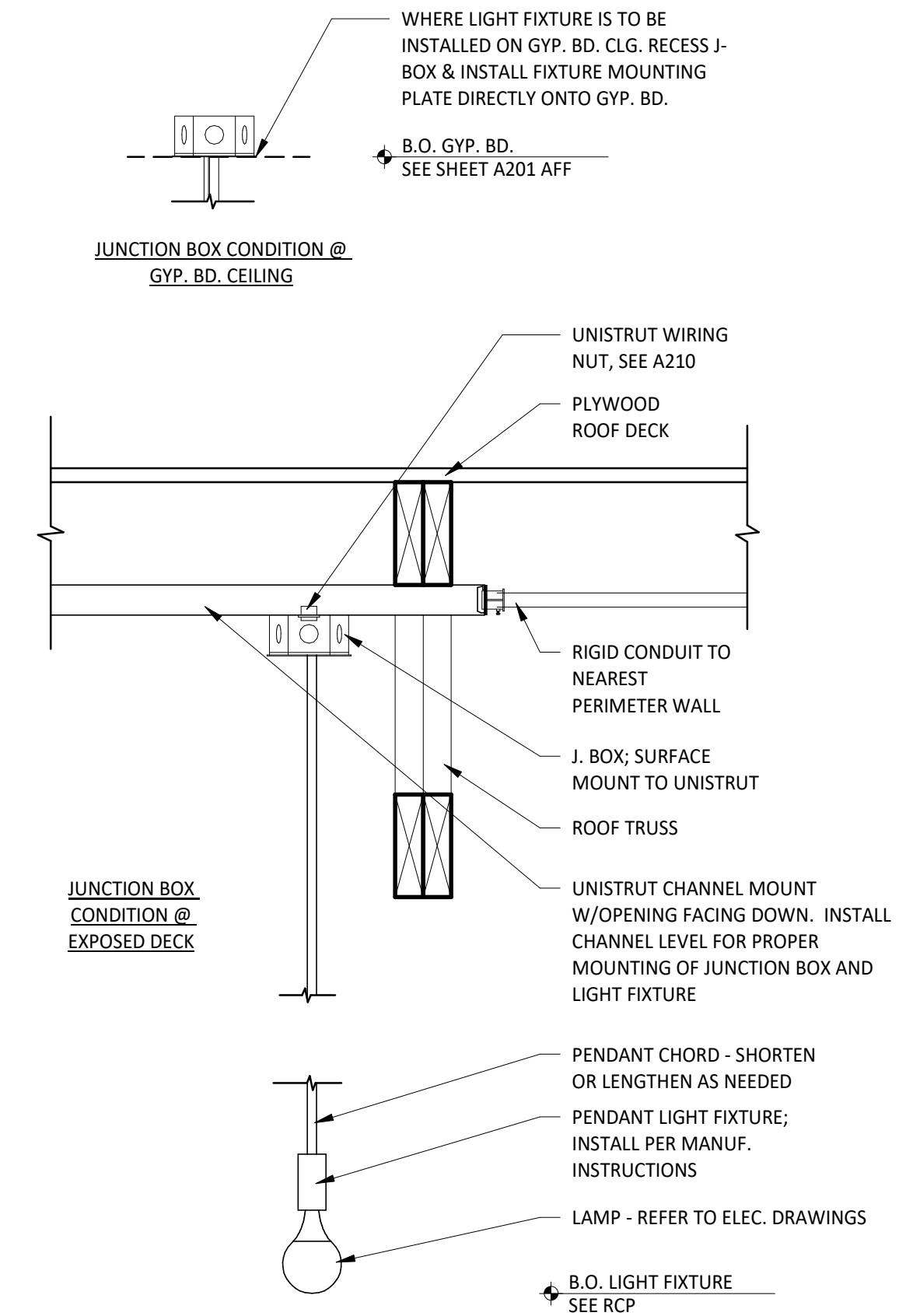
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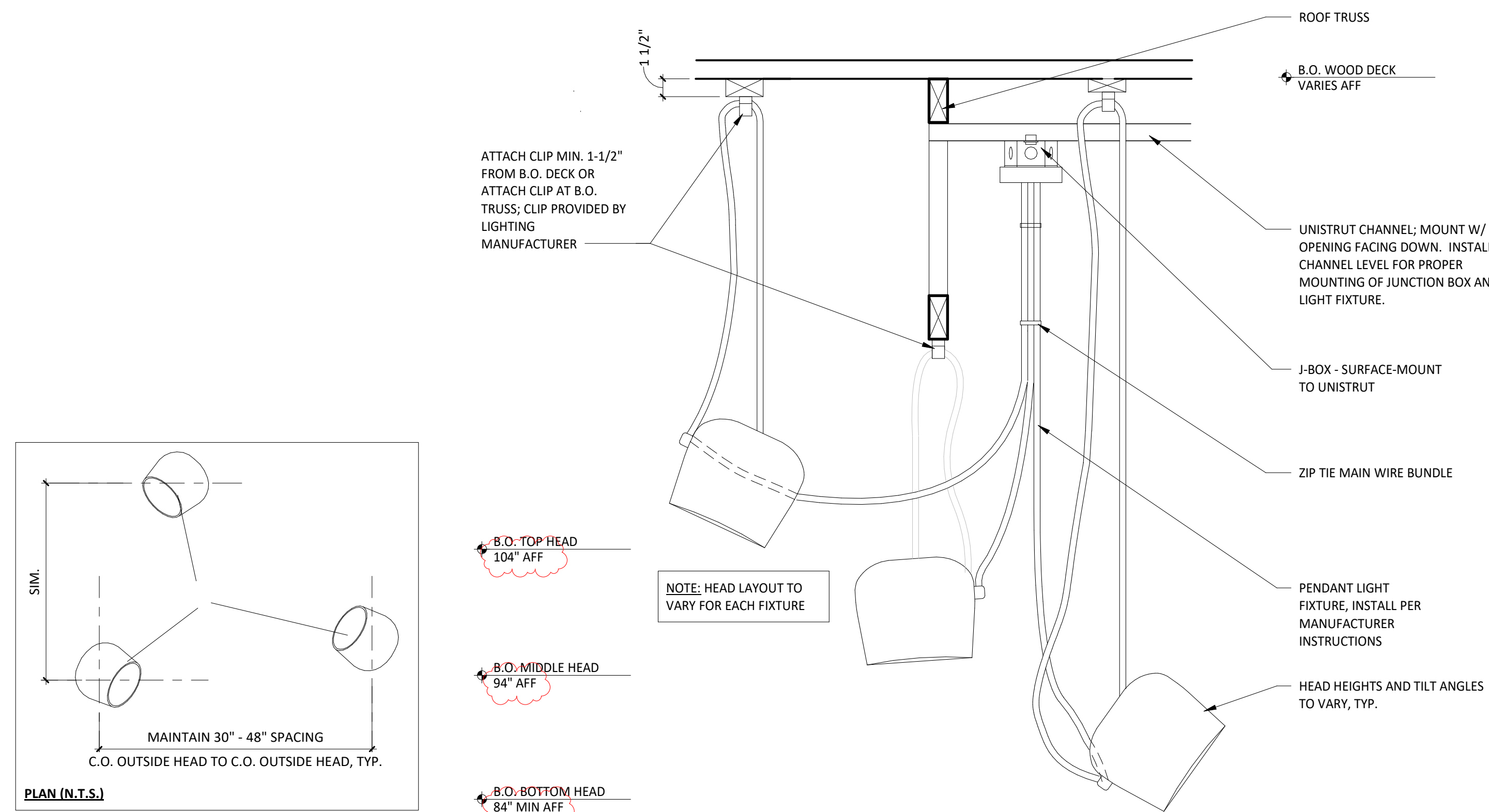
**1** SUSPENDED STRIP LIGHT CONNECTION DETAIL  
SCALE: 3" = 1'-0"



**2** SUSPENDED TRACK LIGHT CONNECTION DETAIL  
SCALE: 3" = 1'-0"



**3** PENDANT LIGHT FIXTURE  
SCALE: 1 1/2" = 1'-0"



**4** PENDANT LIGHT  
SCALE: 1 1/2" = 1'-0"

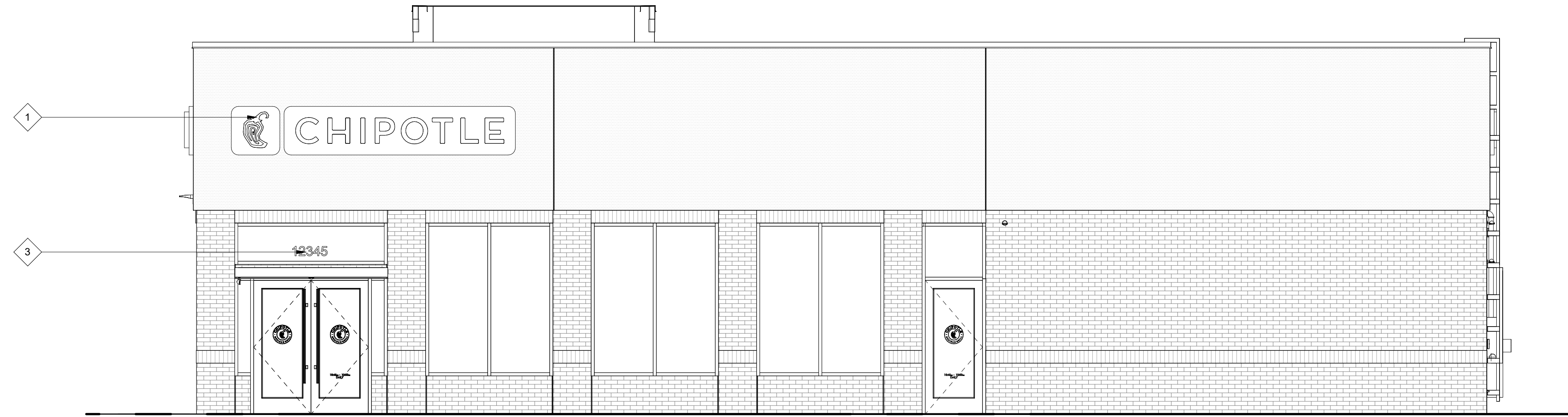


## GENERAL NOTES - EXT. ELEV.

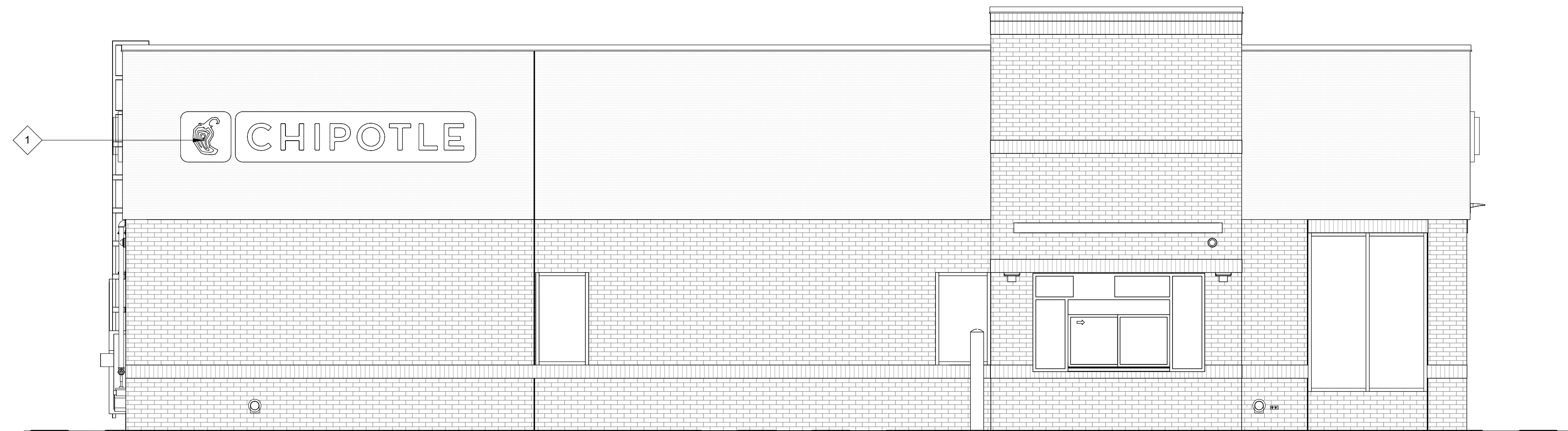
- A. SIGNAGE IS SHOWN ONLY FOR PLACEMENT AND SCALE. ALL SIGNAGE FOR REVIEW UNDER SEPARATE PERMIT, NOT PART OF THIS PERMIT SET.  
 B. EXTERIOR SIGNAGE PROVIDED BY TSV AND INSTALLED BY TSV. GC TO MAKE FINAL CONNECTION.

## KEYNOTE LEGEND

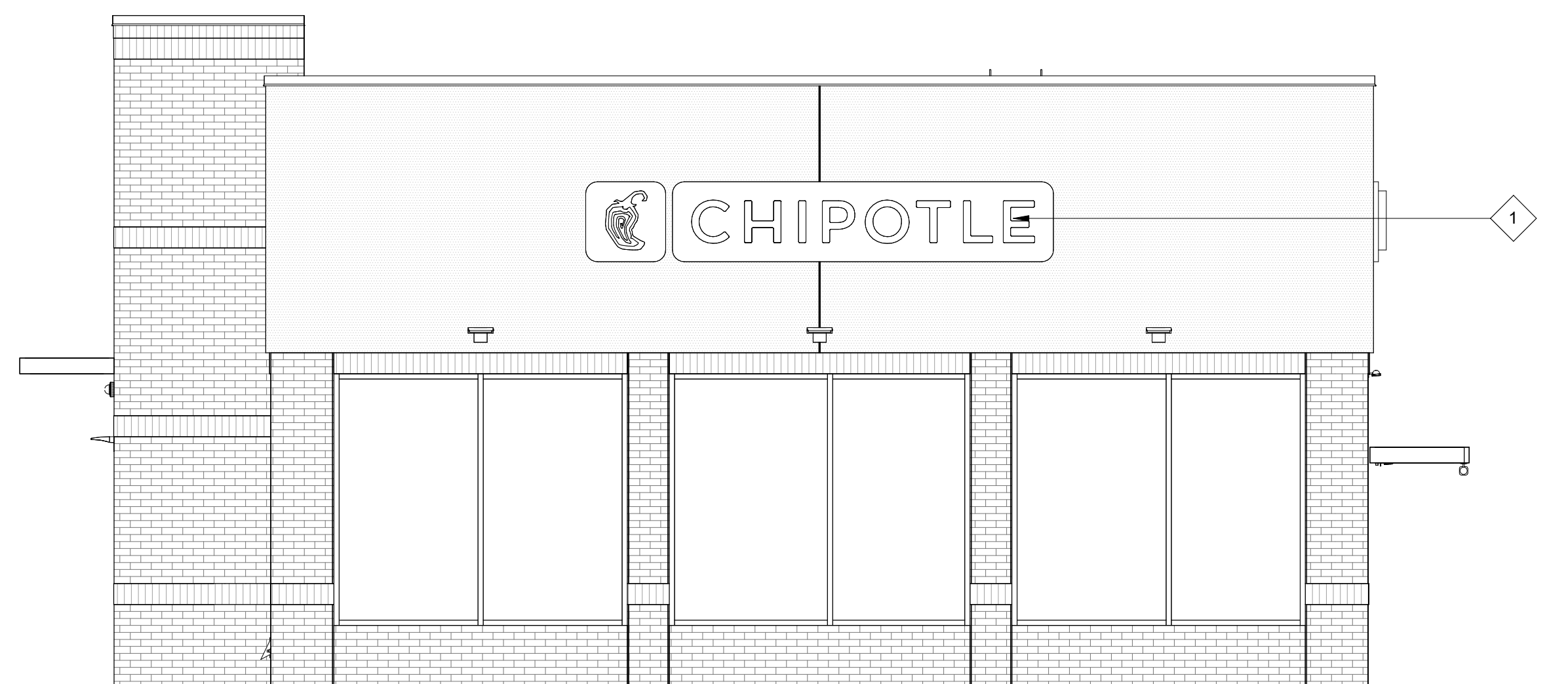
- |   |  |
|---|--|
| 1 | LOCATION OF TENANTS B-3 SIGNAGE - GENERAL CONTRACTOR TO COORDINATE BLOCKING REQUIREMENTS WITH SIGNAGE VENDOR.                          |
| 2 | LOCATION OF REMOTE CO2 FILLER - INSTALL BETWEEN 36" AND 48" ABOVE FINISHED GRADE - VERIFY LOCATION WITH CHIPOTLE CONSTRUCTION MANAGER. |
| 3 | 6" VINYL ADDRESS LETTERS - COORDINATE ADOPTED REQUIREMENTS ON SIZE AND LOCATION WITH LOCAL JURISDICTION.                               |
| 4 | LOCATION OF SECURITY CAMERAS TO BE INSTALLED BY GENERAL CONTRACTOR.  |



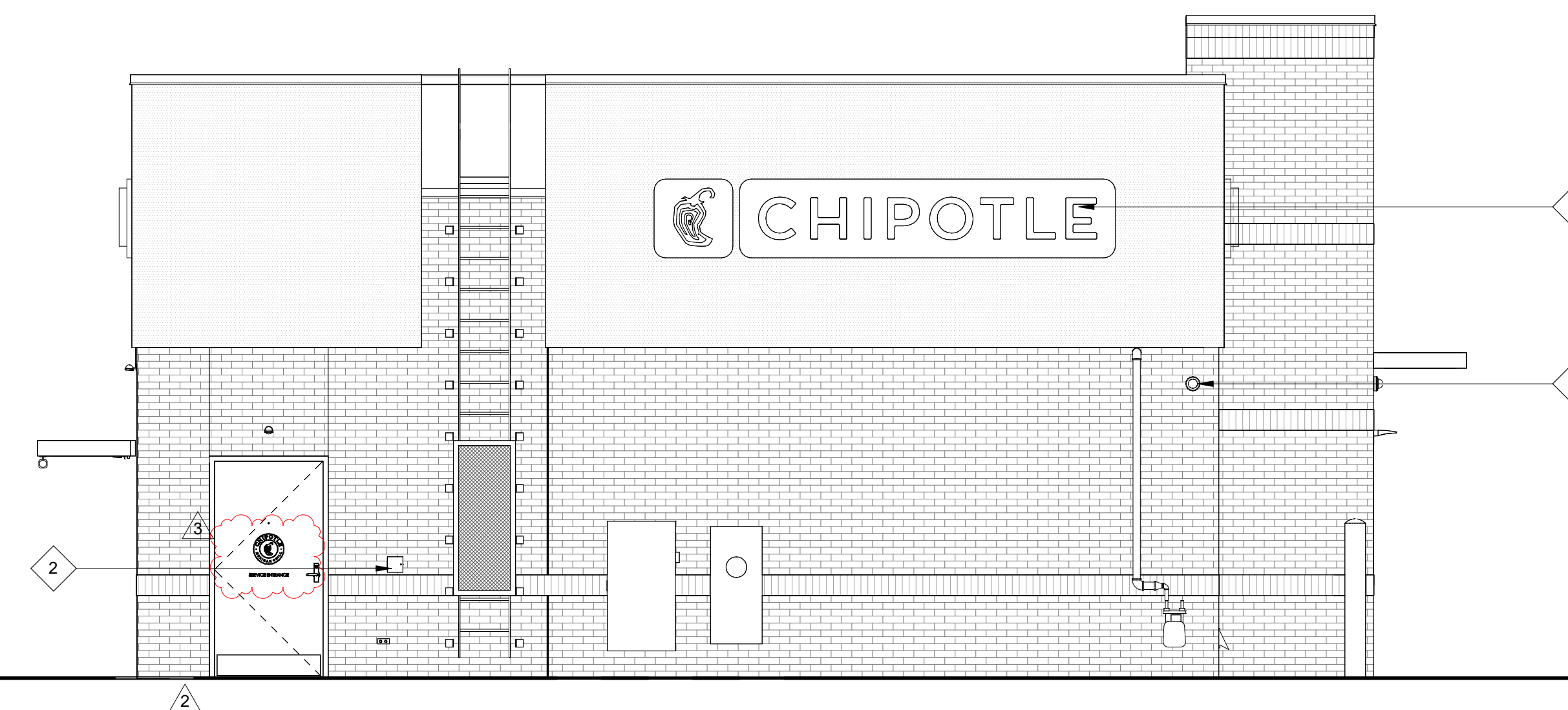
**1** EXTERIOR ELEVATION  
SCALE: 1/4" = 1'-0"



**2** EXTERIOR ELEVATION  
SCALE: 1/4" = 1'-0"



**3** EXTERIOR ELEVATION  
SCALE: 1/4" = 1'-0"



**4** EXTERIOR ELEVATION  
SCALE: 1/4" = 1'-0"



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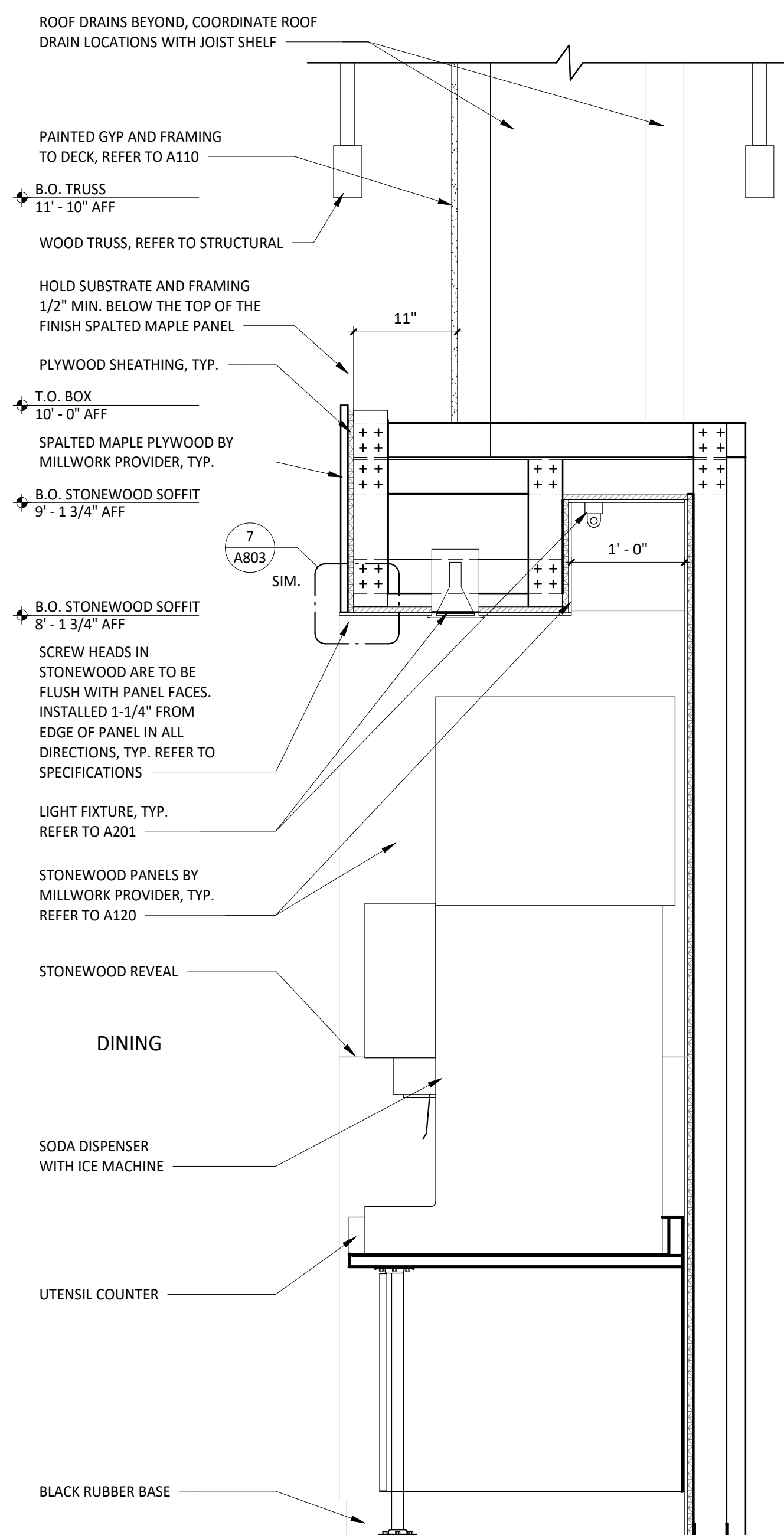
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 08/20/2024 BID SET  
 11/12/2024 CONSTRUCTION SET

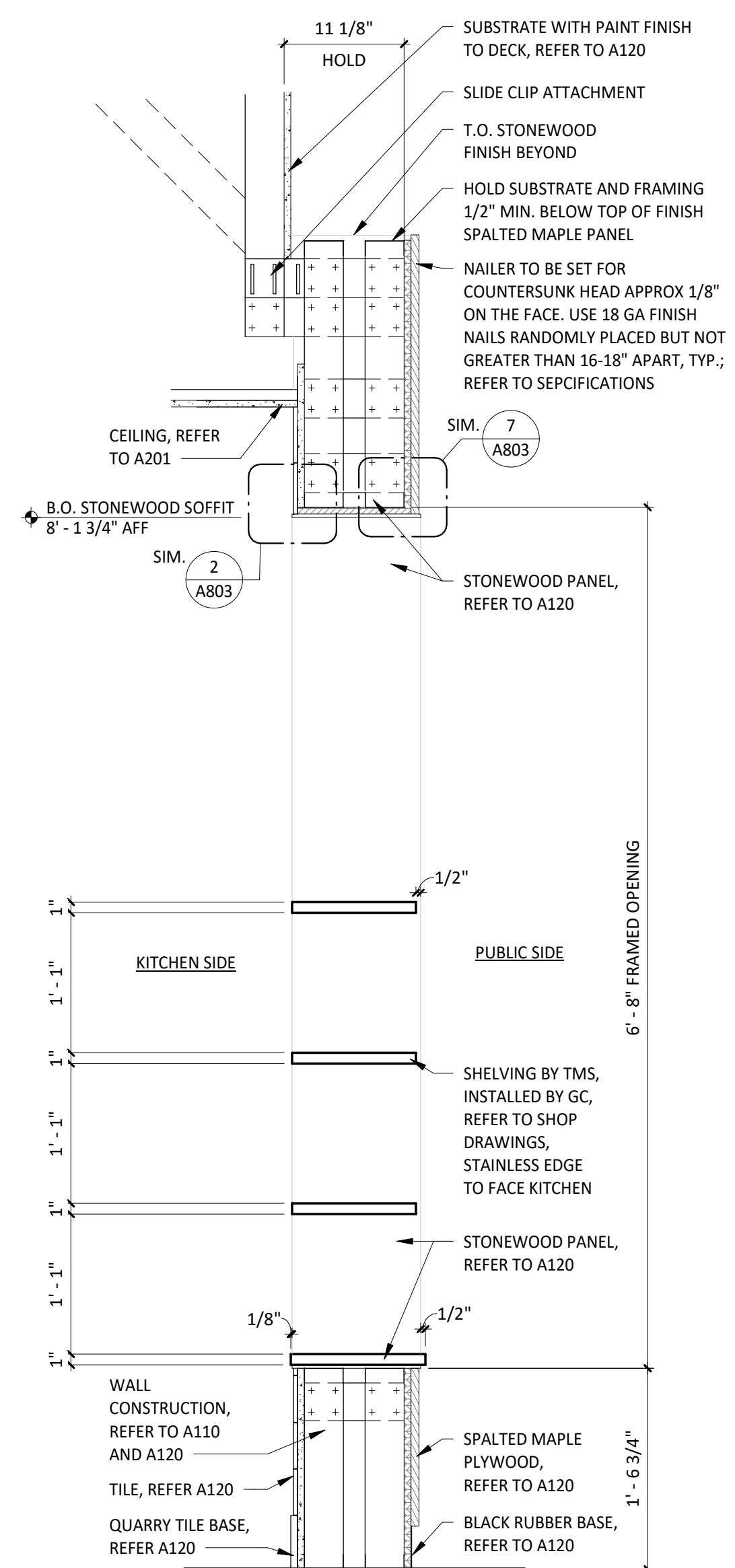
REVISIONS:  
 2 08.20.2024 City Comments  
 3 12.19.2024 CB#01

TITLE:  
 EXTERIOR ELEVATIONS

SHEET NUMBER:  
 A301



**1** UTENSIL SECTION  
SCALE: 1" = 1'-0"



**2** MOPUS SECTION - PASS THRU  
SCALE: 1" = 1'-0"



CLIENT:  
 CHIPOTLE MEXICAN GRILL, INC.  
 PO BOX 182966  
 COLUMBUS, OH 43218-2966  
 TELEPHONE: (614) 318-2682  
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PROJECT INFORMATION:  
 STORE NO.: #5307  
 "CLOCKTOWER COMMONS"  
 CROSTOWN BLVD NW & HANSON BLVD NW  
 ANDOVER, MN 55304

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus, LICENSE # 54678  
*Matthew M. Wilkus*

DATE: November 12, 2024

PROJECT NO. 2023-0519  
 DRAWN BY TRC  
 CHECKED BY DRL

ISSUE RECORD:	
06/03/2024	PERMIT SET
08/20/2024	BID SET
11/12/2024	CONSTRUCTION SET

REVISIONS:

TITLE:  
 INTERIOR SECTIONS

SHEET NUMBER:

A502

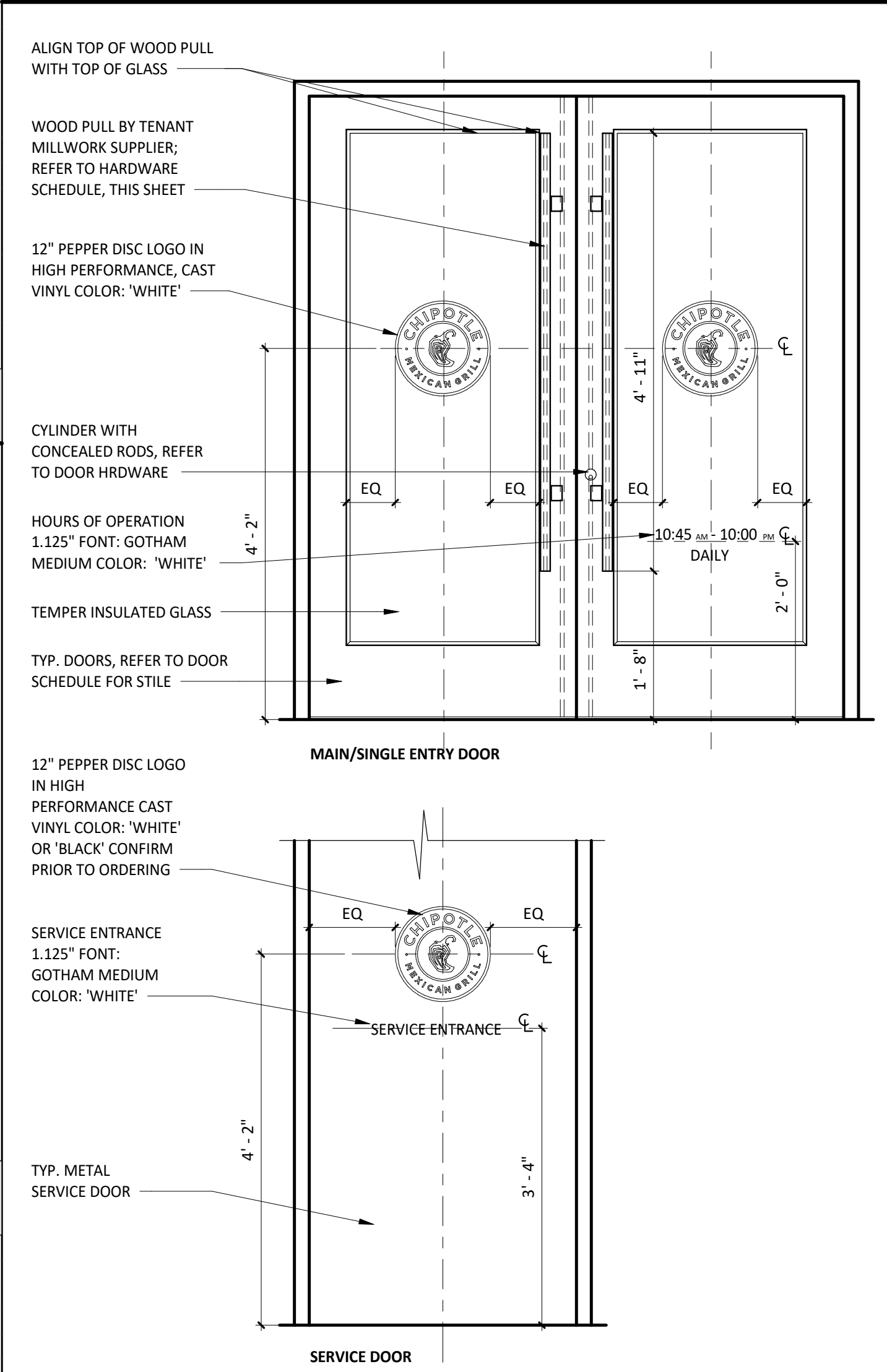
# DOOR SCHEDULE

TAG	ROOM	DOOR STATUS	* FRAME STATUS	DOOR DESCRIPTION	WIDTH	HEIGHT	THICKNESS	DOOR	DOOR TYPE	DOOR FINISH	FRAME	FRAME TYPE	MATERIAL	STILE	HARDWARE SET	HARDWARE STATUS*	FIRE RATING	REMARKS
1	MAIN ENTRY	EXISTING	EXISTING/NEW	DOUBLE STOREFRONT (WIDE STILE, WOOD PULL/PUSH)	6' - 0"	7' - 0"	0' - 1 3/4"	A	SEE A301	STOREFRONT	ALUM	WIDE (5")	1	EXISTING/NEW	-	-	1,2,4,5	
2	DINING	EXISTING	EXISTING	SINGLE STOREFRONT (WIDE STILE, NON-OFFSET, PANIC)	3' - 0"	7' - 0"	0' - 1 3/4"	A	CHARCOAL	STOREFRONT	ALUM	WIDE (5")	2	EXISTING	-	-	1,2,3,4	
3	KITCHEN	EXISTING	EXISTING	HM REAR KITCHEN (STANDARD)	3' - 0"	7' - 0"	0' - 1 3/4"	D	D1/D2 (SEE A120)		H.M.	-	3	EXISTING	-	-	1,4,7	
4	MAIN ENTRY	NEW	NEW	SINGLE STOREFRONT - VESTIBULE (WIDE STILE, NON-OFFSET)	3' - 0"	7' - 0"	0' - 1 3/4"	A	SEE A301	STOREFRONT	ALUM	WIDE (5")	2D	NEW	-	-	5	
5	MAIN ENTRY	NEW	NEW	SINGLE STOREFRONT - VESTIBULE (WIDE STILE, NON-OFFSET)	3' - 0"	7' - 0"	0' - 1 3/4"	A	SEE A301	STOREFRONT	ALUM	WIDE (5")	2D	NEW	-	-	5	
6	RESTROOM 1	NEW	NEW	RESTROOM 2 (SINGLE-OCCUPANT, STANDARD)	3' - 0"	7' - 0"	0' - 1 3/4"	B	D1 (SEE A120)	1	H.M.	-	5	NEW	-	-		
7	RESTROOM 2	NEW	NEW	RESTROOM 1 (SINGLE-OCCUPANT, STANDARD)	3' - 0"	7' - 0"	0' - 1 3/4"	B	D1 (SEE A120)	1	H.M.	-	6	NEW	-	-		
8	OFFICE	NEW	NEW	MANAGER'S OFFICE	3' - 0"	7' - 0"	0' - 1 3/4"	C	D1 (SEE A120)	1	H.M.	-	4	NEW	-	-		

# DOOR REMARKS

- DOORS WITH REMARK #1 TO BE KEYPED THE SAME
- EXIT INDICATOR ARRIVES WITH SIGNS STATING "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS" AND "THIS DOOR TO REMAIN UNLOCKED WHEN THE BUILDING IS OCCUPIED". VERIFY REQUIRED SIGN WORDING WITH LOCAL JURISDICTION PRIOR TO INSTALLATION. ONE SIGN IS TO BE PLACED IN A VISIBLE LOCATION ABOVE THE DOORS.
- THERE IS TO BE NO EXTERIOR HOLE OR CYLINDER
- USE NON-SHRINK STRUCTURAL GROUT BED UNDER THRESHOLD
- BLACK DOOR SWEEP TO BE USED WITH CHARCOAL STOREFRONT. LIGHT GRAY DOOR SWEEP TO BE USED WITH CLEAR ANODIZED ALUMINUM STOREFRONT
- IF STATUS IS "EXISTING" G.C. TO DETERMINE CONDITION OF EXISTING HARDWARE. IF HARDWARE IS IN POOR CONDITION, PROVIDE HARDWARE IN HARDWARE SCHEDULE. CONFIRM REPLACEMENT WITH CHIPOTLE CM.
- REAR KITCHEN DOOR TO BE PAINTED 'BLACK' ON INTERIOR AND 'KNIGHTS ARMOR' ON EXTERIOR U.N.O.

# TYPICAL EXTERIOR DOOR TYPES



# EXISTING HARDWARE SETS

G.C. TO CONFIRM ALL REQUIRED EXISTING HARDWARE IS PRESENT AND IS IN WORKING CONDITION. IF HARDWARE IS IN POOR CONDITION OR MISSING, PROVIDE HARDWARE IN HARDWARE SCHEDULE BELOW; CONFIRM REPLACEMENT WITH CHIPOTLE CM.

## SET 1 - MAIN ENTRY - PAIR - WOOD PULL/PUSH

- (2) HINGE HAGER, MODEL 780-224HD-83"-CLR
- (2) MORTISE CYLINDER SCHLAGE, MODEL 80-103, BRUSHED CHROME; C.O. CYLINDER AT 34" MIN. FROM BOTTOM OF DOOR
- (2) TEMP CORE SCHLAGE, MODEL 80-035 INTERCHANGEABLE CORE, (BRUSHED CHROME)
- (1) DEADBOLT ADAMS RITE, MODEL MS1850S-310-628
- (1) EXIT INDICATOR ADAMS RITE, MODEL 4089-00-130
- (1) HEADER BOLT ADAMS RITE, MODEL 4016-30-01
- (1) THRESHOLD BOLT ADAMS RITE, MODEL 4015-18-1B
- (2) CLOSER DORMA, MODEL 8916-AF89P (TOP JAMB), (ALUMINUM)
- (2) DOOR STOP IVES, MODEL FS185 (ALUMINUM)
- (2) OVERHEAD STOP GLYNN-JOHNSON, MODEL 454S-SP28 (ALUMINUM)
- (2) CLOSER BACK PLATE DORMA, MODEL BP89, ALUMINUM
- (1) THRESHOLD REESE, MODEL S424A-72 (SIZE 72")
- (2) SMOKE SEAL REESE, MODEL 797B-21
- (2) DOOR SWEEP PEMKO, MODEL SF5C-200-36 (36" DOOR), OWNER FURNISHED

## SET 2A - ENTRY - SINGLE - NON-OFFSET - PANIC HARDWARE

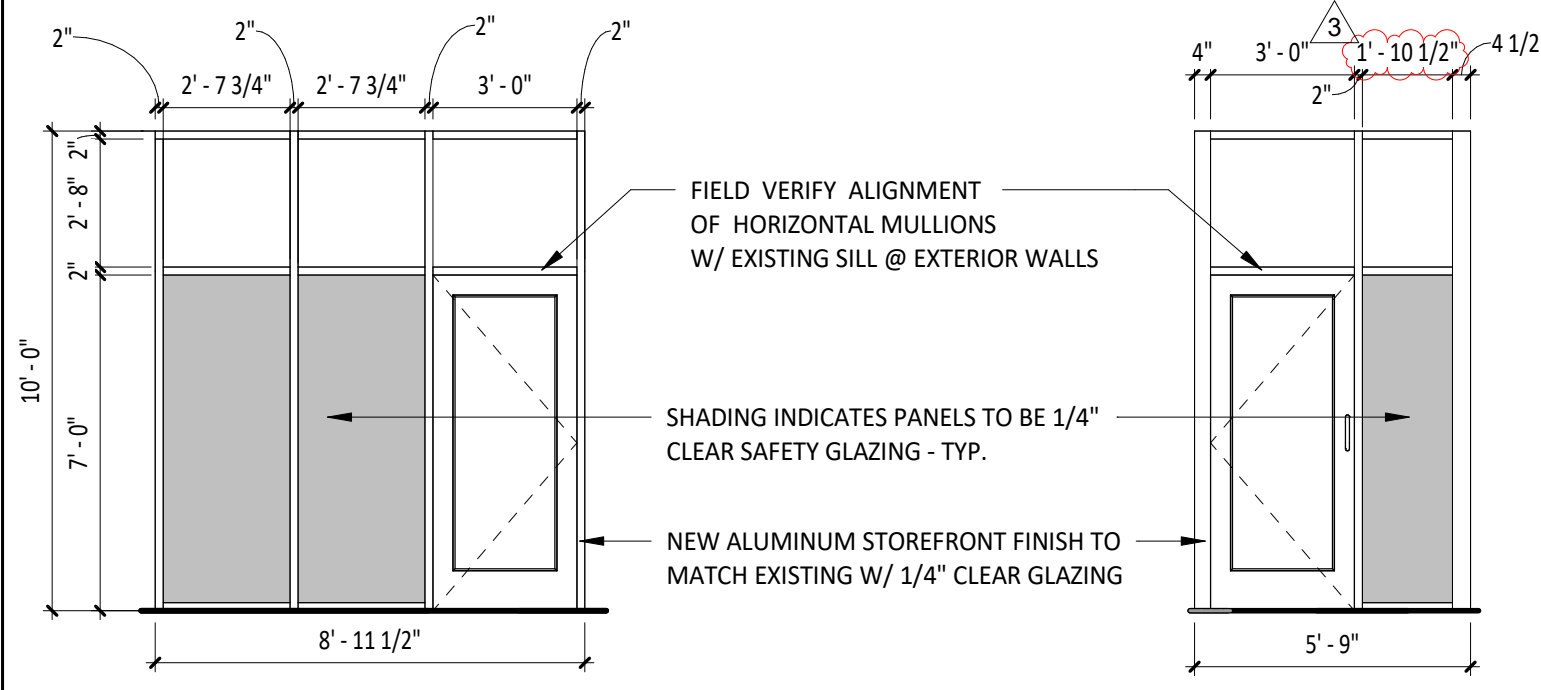
- (1) HINGE HAGER, MODEL 780-224HD-83"-CLR
- (1) PUSH HARDWARE ADAMS RITE, MODEL 8801-36-628 (ALUMINUM FINISH, 36" DOOR); C.O. EXIT DEVICE AT 38" FROM BOTTOM OF DOOR
- (1) PULL HARDWARE NONE
- (1) CLOSER DORMA, MODEL 8916-AF89P-689 (TOP JAMB), (ALUMINUM)
- (1) CLOSER BACK PLATE DORMA, MODEL BP89, ALUMINUM
- (1) OVERHEAD STOP GLYNN-JOHNSON, MODEL 454S-US32D (ALUMINUM)
- (1) THRESHOLD REESE, MODEL S424A-36 (SIZE 36")
- (1) SMOKE SEAL REESE, MODEL 797B-21
- (1) DOOR SWEEP PEMKO, MODEL SF5C-200-36 (36" DOOR), OWNER FURNISHED
- (1) DOOR STOP IVES, MODEL FS185 (ALUMINUM)

## SET 3 - REAR EXIT - SINGLE

- (1) HINGE HAGER, MODEL 780-224HD-83"-CLR
- (1) PUSH HARDWARE FALCON, MODEL 25-R-EO-4"-US28 (SIZE 42")
- (1) PULL HARDWARE FALCON, MODEL 510L-DANE-LHR-US26D, ALUMINUM (EXTERIOR SIDE)
- (1) RIM CYLINDER GLS, MODEL RCIC-71Z-626
- (1) TEMP CORE SCHLAGE, MODEL 80-035 INTERCHANGEABLE CORE (FINISH: BRUSHED CHROME)
- (1) CLOSER DORMA, MODEL 8916-AF89P-689 (TOP JAMB), ALUMINUM
- (1) CLOSER BACK PLATE DORMA, MODEL BP89, ALUMINUM
- (1) THRESHOLD REESE, MODEL S424A-42, (SIZE 42")
- (1) WEATHERSTRIP REESE, MODEL D575C-407D
- (1) DOOR SWEEP PEMKO, MODEL SF5C-200-42 (42" DOOR) (BLACK) OWNER FURNISHED
- (1) DOOR VIEWER IVES, MODEL U698B26D, C.O. VIEWER AT 60" FROM BOTTOM OF DOOR
- (1) DOOR SILENCERS IVES, MODEL SR64
- (1) DOOR BUZZER TRINE, MODEL 240
- (1) KICKPLATE HIAWATHA, MODEL KP834-US32D

# VESTIBULE FRAME TYPES

\*GENERAL NOTES: ALL STOREFRONT TO BE ANODIZED ALUMINUM (COLOR AS NOTED) W/ THERMAL BREAKS; ALL GLAZING TO BE 1/4" CLEAR SAFETY GLAZING U.N.O. PROVIDE HEAD RECEPTORS WHERE NOTED



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

2 STOREFRONT ELEVATION 2  
SCALE: 1/4" = 1'-0"

# NEW HARDWARE SETS

## SET 1 - MAIN ENTRY - PAIR - WOOD PULL/PUSH

- (2) PUSH HARDWARE 1 1/2" DIAMETER WOOD PUSH, VARIES HIGH - PROVIDED BY MILLWORK SUPPLIER. MOUNT TOP OF PULLS FLUSH WITH TOP OF GLAZING STOP IN DOOR, RE: SHOP DRAWINGS
- (2) PULL HARDWARE 1 1/2" DIAMETER WOOD PULL, VARIES HIGH - PROVIDED BY MILLWORK SUPPLIER. MOUNT TOP OF PULLS FLUSH WITH TOP OF GLAZING STOP IN DOOR, RE: SHOP DRAWINGS

## SET 2D - ENTRY - SINGLE - VESTIBULE

- (1) HINGE HAGER, MODEL 780-224HD-83"-CLR
- (1) PUSH HARDWARE HAGER, MODEL 305, 4"x16" US32D STAINLESS STEEL
- (1) PULL HARDWARE HAGER, MODEL 4G US32D (8" CTC ), CENTER ON DOOR STILE
- (1) CLOSER DORMA, MODEL 8916-AF89P-689 (TOP JAMB), (ALUMINUM)
- (1) DOOR STOP IVES, MODEL FS185 (ALUMINUM)
- (1) CLOSER BACK PLATE DORMA, MODEL BP89, ALUMINUM
- (1) KICKPLATE HIAWATHA, MODEL KP834-32D (SIZE 8" X 34")

## SET 4 - MANAGER'S OFFICE

- (3) HINGE STANLEY, MODEL F8B179-4.5-US26 (06-8438)
- (1) LOCKSET SCHLAGE, MODEL L9453L-06A-626
- (1) TEMP CORE SCHLAGE, MODEL 80-035 INTERCHANGEABLE CORE (FINISH: BRUSHED CHROME)
- (1) KICKPLATE HIAWATHA, MODEL KP834-32D
- (1) DOOR STOP DON-JO, MODEL 1407-630, STAINLESS STEEL
- (3) DOOR SILENCERS IVES, MODEL SR64
- (1) SECURITY WINDOW AIR LOUVERS, MODEL VSL1212TEMPPAK SLIMLINE 12" X 12" X 1/4" LITE KIT (10" X 10" GLASS VISIBLE)

## SET 5 - TOILET ROOM 2 RESTROOM - SINGLE OCCUPANT - STANDARD

- (3) HINGE STANLEY, MODEL F8B179-4.5-US26 (06-8438)
- (1) CLOSER FALCON, MODEL: SC61XRW/PAXALU
- (1) LOCKSET SCHLAGE, MODEL AL40S-NEP-626
- (1) DOOR STOP DON-JO, 1407-630
- (3) DOOR SILENCERS IVES, MODEL SR64
- (2) KICKPLATE HIAWATHA, MODEL KP834-32D
- (1) COAT HOOK MILLS, MODEL FT6519, SUPPLIED BY WASHROOM ACCESSORIES VENDOR, MOUNT T.O. HOOK AT 47 1/2" AFF

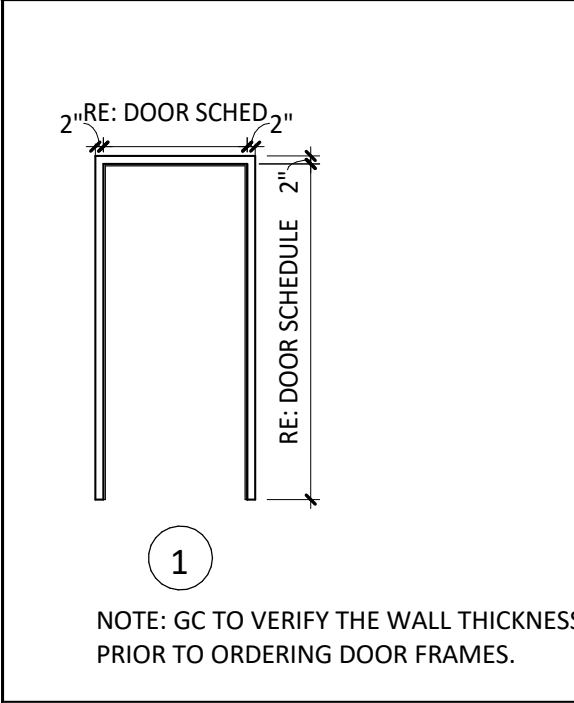
## SET 6 - TOILET ROOM 1 RESTROOM - SINGLE OCCUPANT - STANDARD

- (3) HINGE STANLEY, MODEL F8B179-4.5-US26 (06-8438)
- (1) CLOSER FALCON, MODEL: SC61XRW/PAXALU
- (1) LOCKSET SCHLAGE, MODEL AL40S-NEP-626
- (1) DOOR STOP DON-JO, 1407-630
- (3) DOOR SILENCERS IVES, MODEL SR64
- (2) KICKPLATE HIAWATHA, MODEL KP834-32D
- (1) COAT HOOK MILLS, MODEL FT6519, SUPPLIED BY WASHROOM ACCESSORIES VENDOR, MOUNT T.O. HOOK AT 47 1/2" AFF

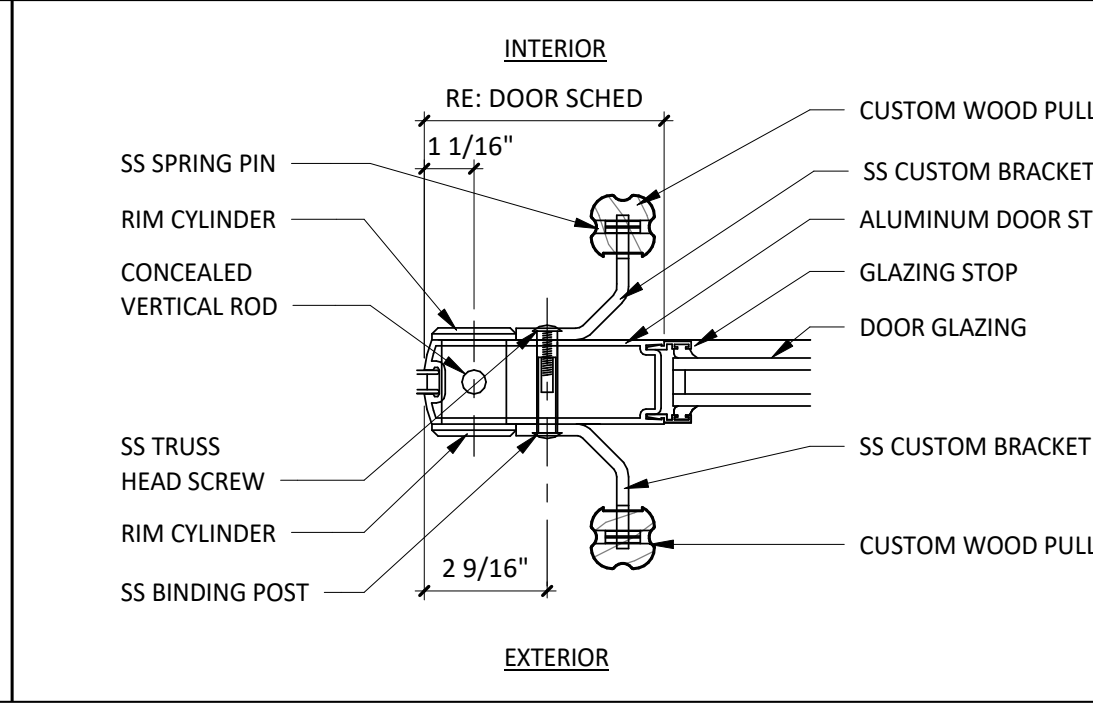
# GENERAL DOOR HARDWARE

- ALL EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
- LATCHES, HANDLES, PANIC BARS AND ALL DOOR HARDWARE WILL COMPLY WITH SECTION 7.2 OF NFPA 101 PER THE SPECIFICATIONS.
- THE MANAGER HAS A KEY TO UNLOCK RESTROOM DOORS, FROM THE OUTSIDE IN CASE OF AN EMERGENCY.
- ALL DOORS TO REMAIN UNLOCKED DURING BUSINESS HOURS.
- SEE THIS SHEET FOR EXTERIOR DOOR SIGNAGE INFO.
- MAXIMUM EFFORT TO OPERATE EXTERIOR OR INTERIOR DOORS WITH CLOSERS SHALL NOT EXCEED 5 POUNDS. THIS MAY BE INCREASED TO 15 POUNDS FOR FIRE-RATED DOORS.
- ALL NEW HOLLOW METAL DOORS, FRAMES AND HARDWARE TO BE FURNISHED BY TENANT HARDWARE SUPPLIER AND INSTALLED BY TENANT G.C. CALL PETE KLIMEK WITH TWIN CITY HARDWARE AT 763-535-4660 TO ARRANGE DELIVERY. NEW VESTIBULE STOREFRONT DOORS AND DOOR HARDWARE ARE TO BE PROVIDED BY TENANT G.C.
- THE BOTTOM 10 INCHES OF ALL DOORS SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
- ALL SUPPORT SIGNAGE INSTALLED BY G.C.
- ALL SUPPORT SIGNAGE PROVIDED BY TENANT'S SUPPORT SIGNAGE SUPPLIER.
- ALL HARDWARE SHALL MATCH STOREFRONT, VERIFY WITH ARCHITECT AND/OR CHIPOTLE CONSTRUCTION MANAGER PRIOR TO ORDERING.

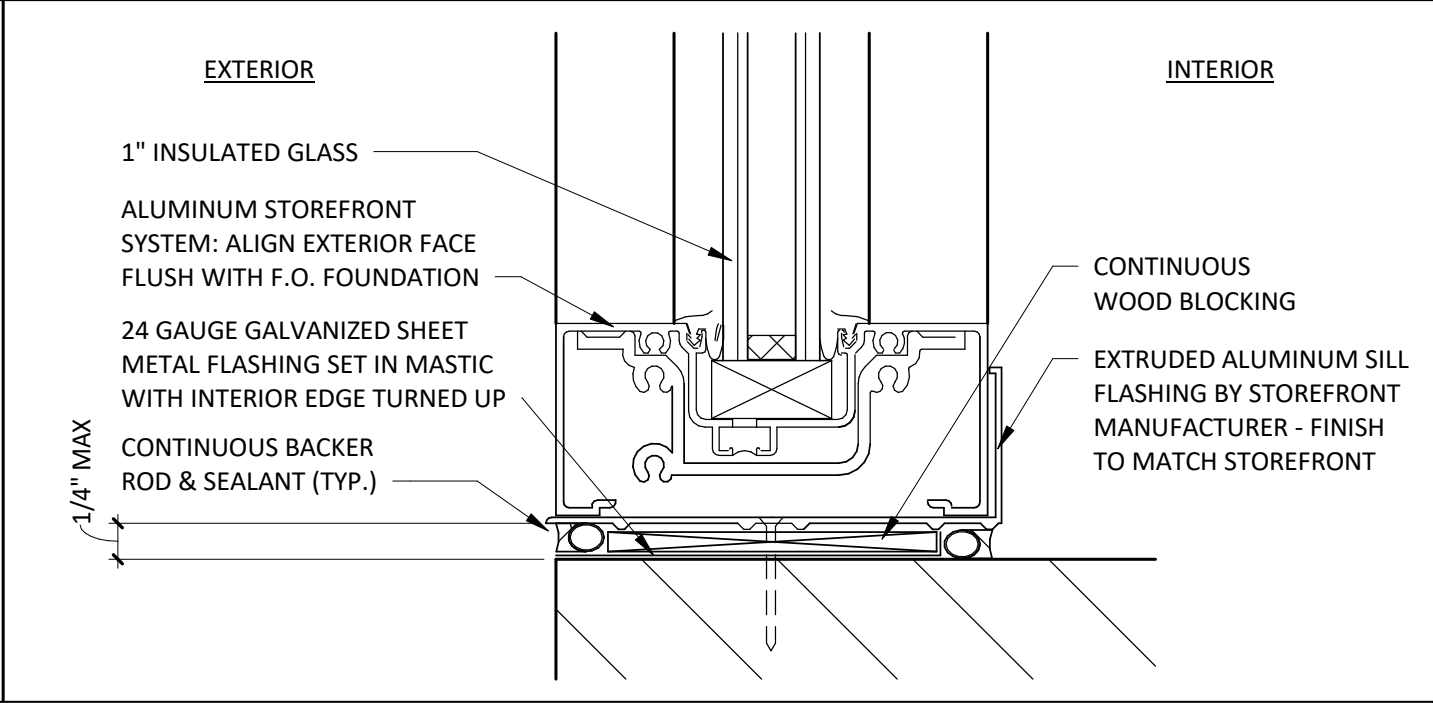
# DOOR FRAME



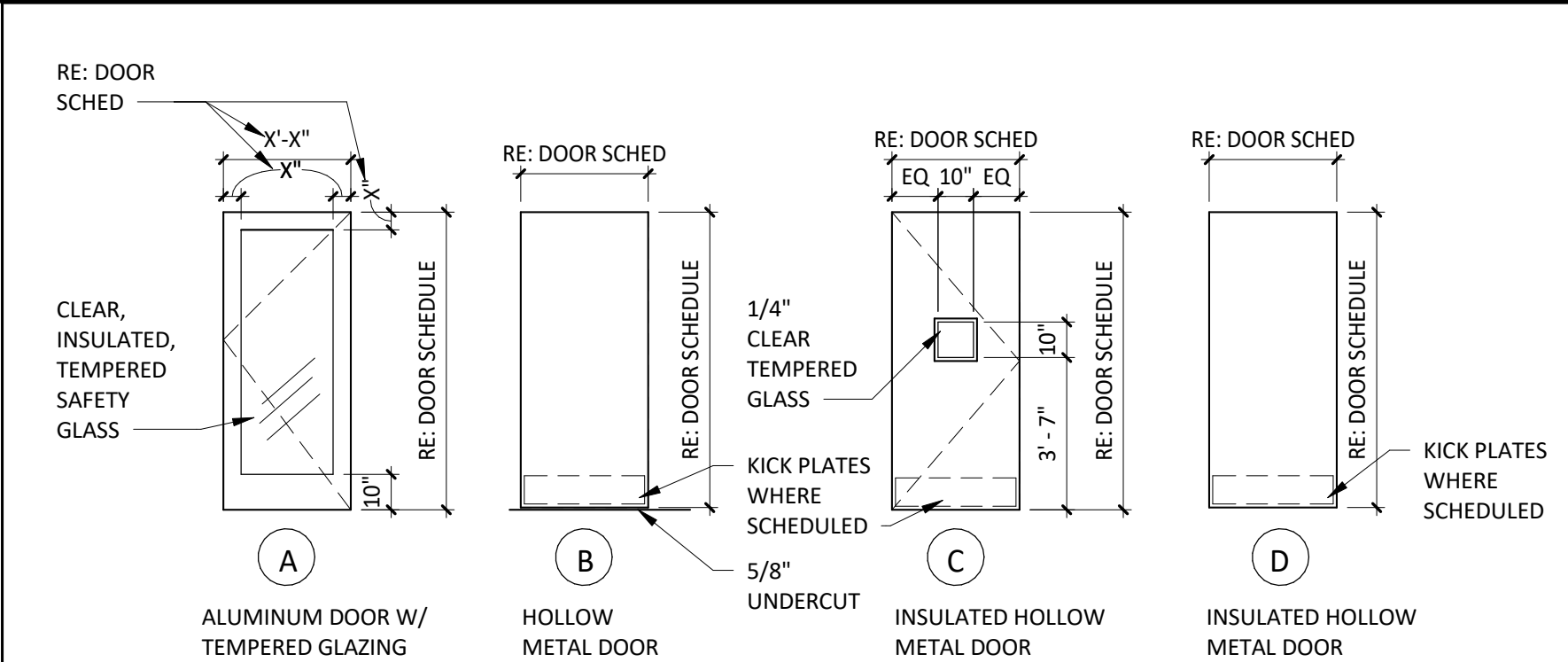
# CUSTOM WOOD PULL



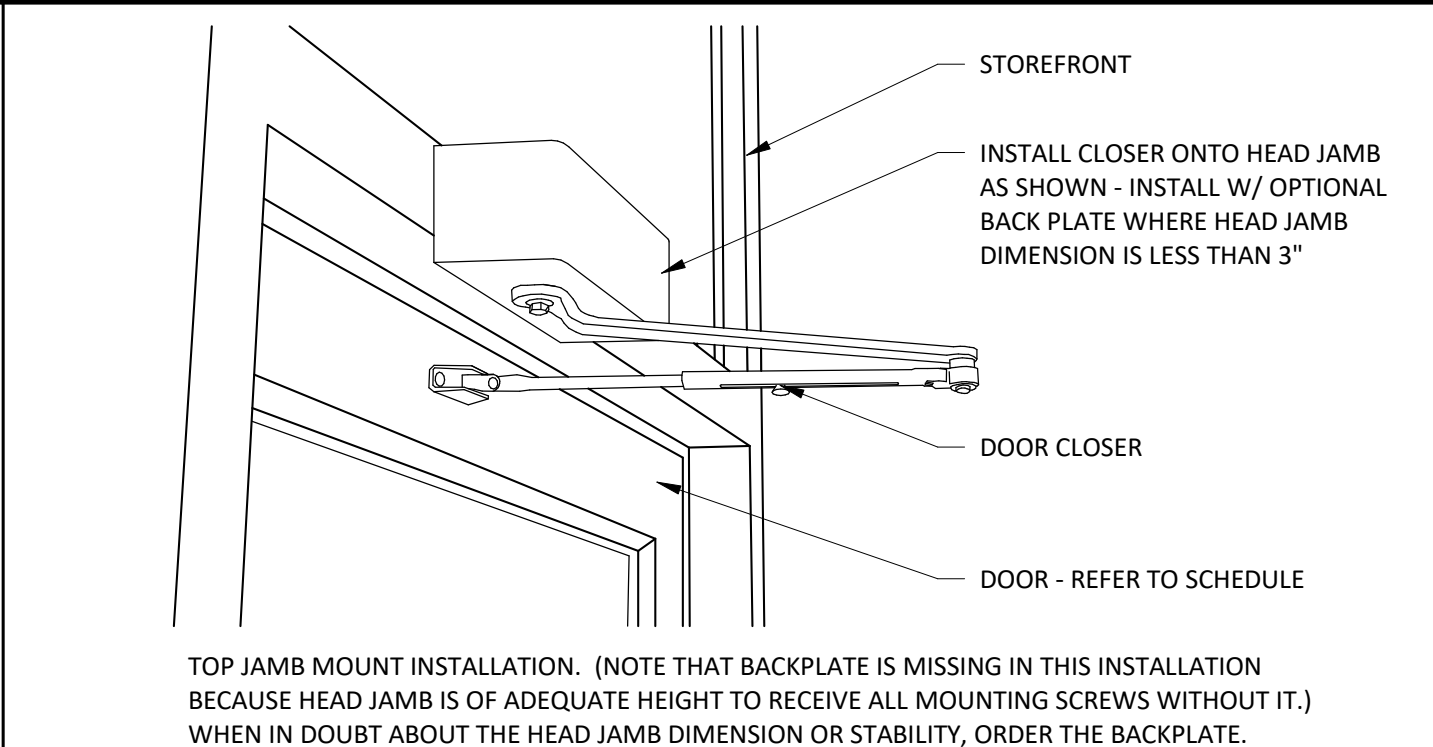
# SILL FLASHING



# DOOR TYPES



# DOOR CLOSER



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PROJECT INFORMATION:  
STORE NO.: #5307  
"CLOCKTOWER COMMONS"  
CROSTOWN BLVD NW & HANSON  
BLVD NW  
ANDOVER, MN 55304

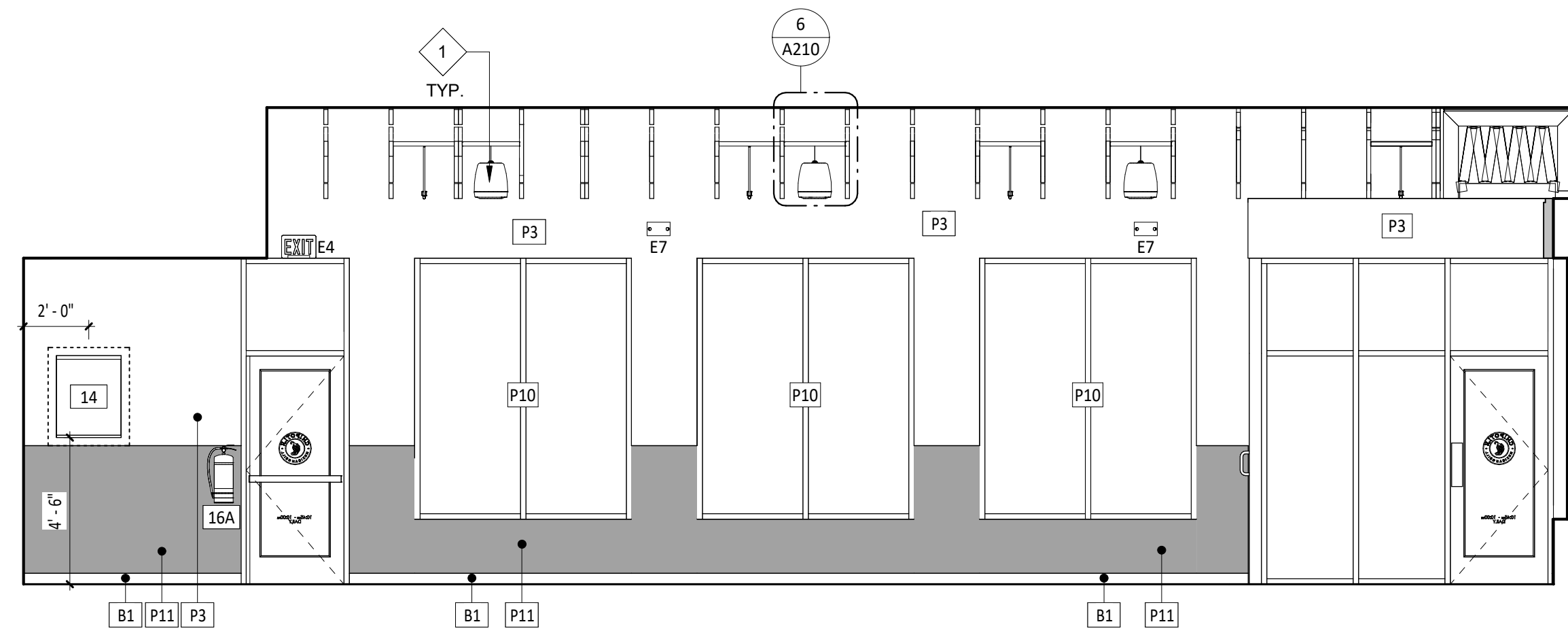
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.  
Matthew M. Wilkus LICENSE # 54678  
DATE January 08, 2025

PROJECT NO. 2023-0519  
DRAWN BY TRC  
CHECKED BY DRL  
ISSUE RECORD:  
06/03/2024 PERMIT SET  
08/20/2024 BID SET  
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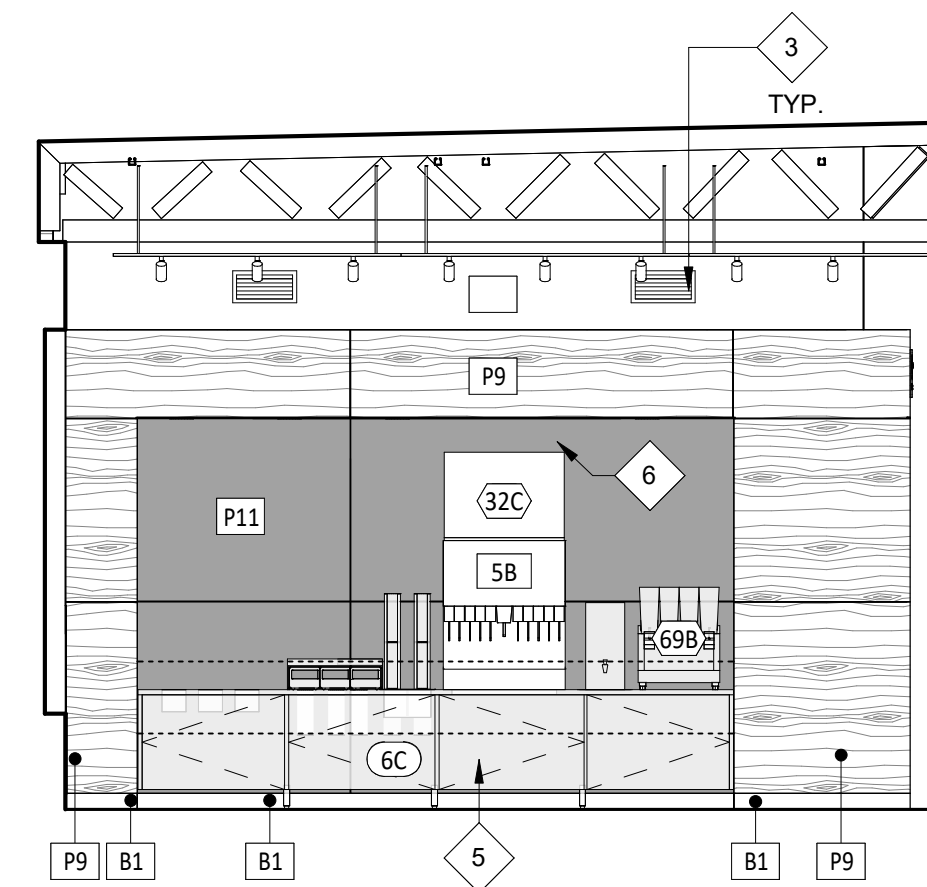
REVISIONS:  
3 12.19.2024 CB#01

TITLE:  
DOOR & HARDWARE SCHEDULE

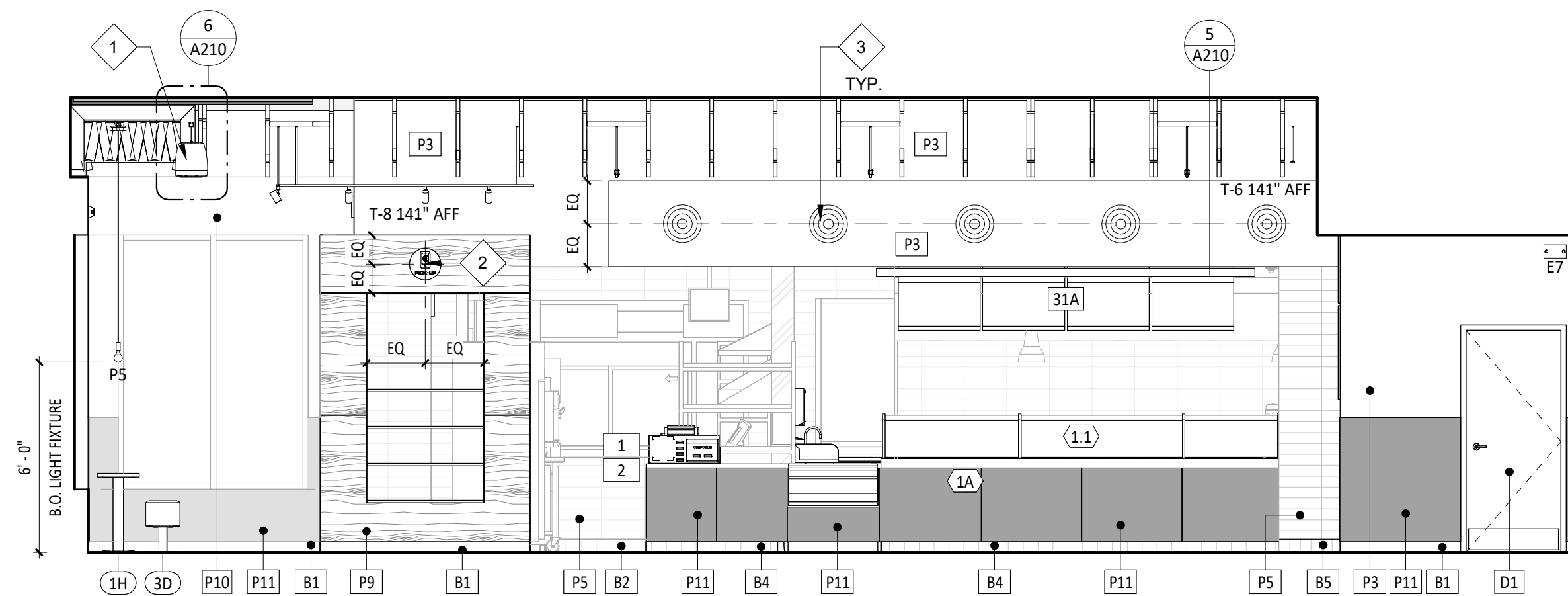
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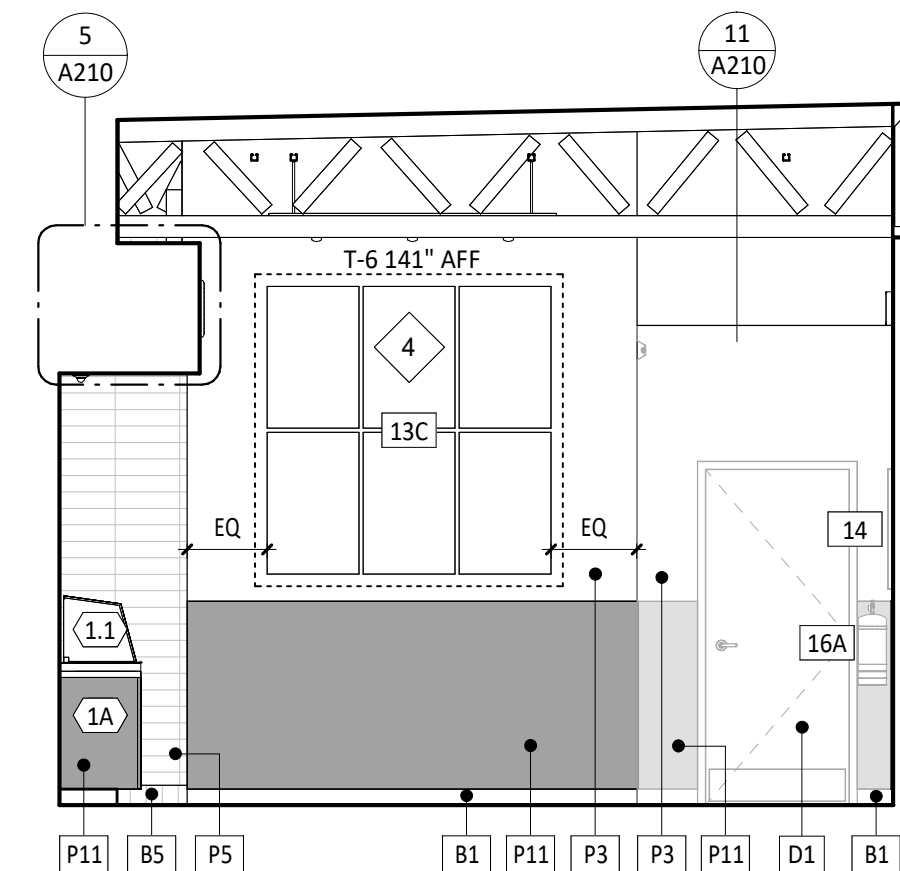
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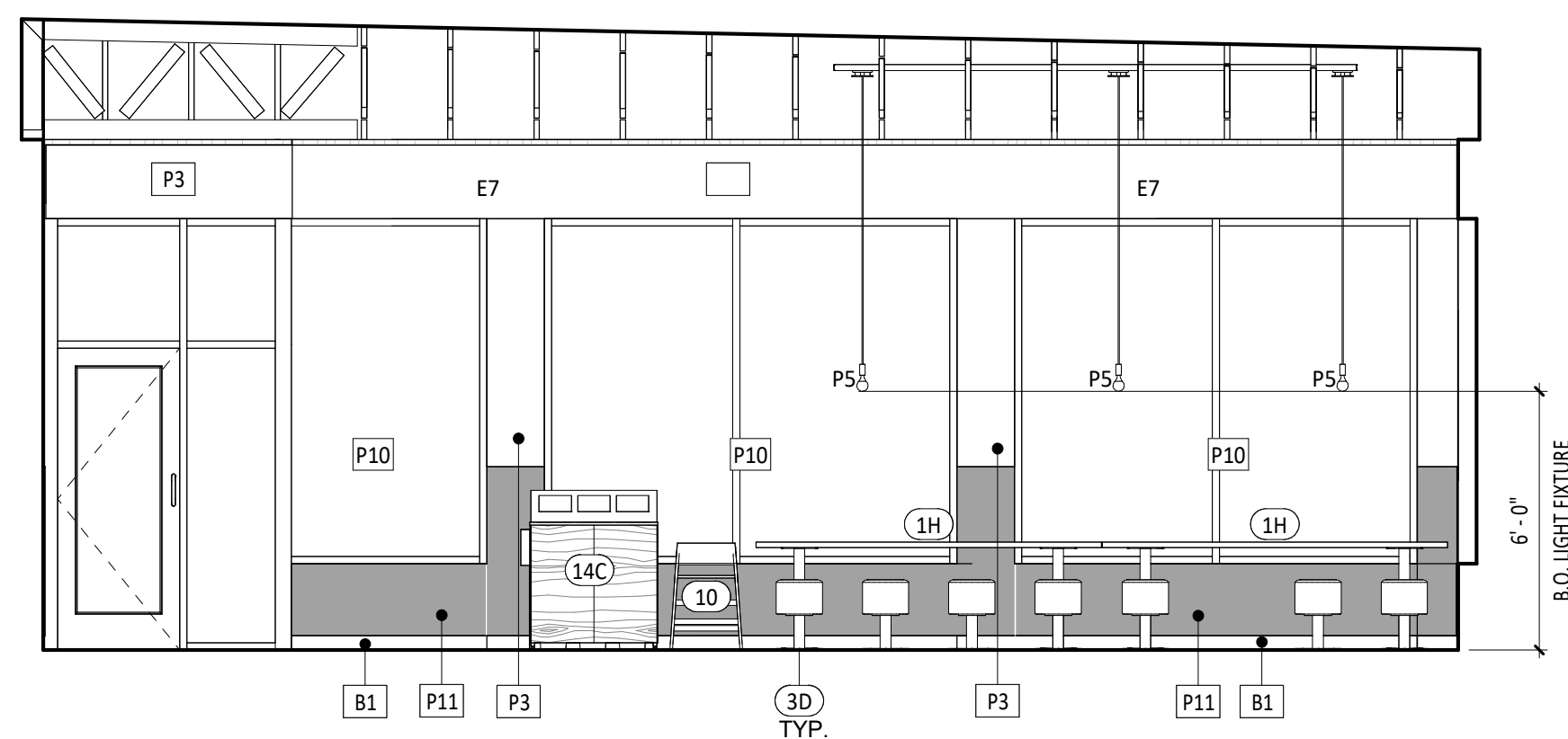
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SCALE: 1/4" = 1'-0"



**3** DINING ELEVATION  
SCALE: 1/4" = 1'-0"



**4** DINING ELEVATION  
SCALE: 1/4" = 1'-0"



**5** DINING ELEVATION  
SCALE: 1/4" = 1'-0"

**GENERAL NOTES - INT. ELEV.**

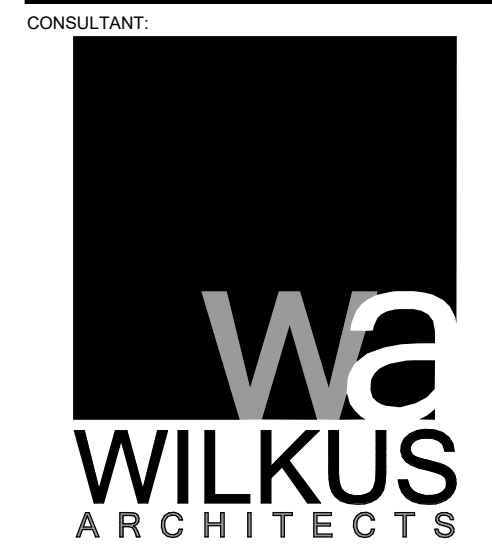
- A. REFER TO SHEET A131 FOR EQUIPMENT LIST AND FURNITURE SCHEDULE.
- B. PROVIDE FULL HEIGHT BLOCKING IN WALL FOR ALL SHELVING, TYP.
- C. REFER TO A120 FOR FINISH SCHEDULE.
- D. REFER TO A201 AND ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.

**ELEVATION LEGEND**

- DENOTES WOOD BLOCKING IN WALL BEHIND WALL MOUNTED OBJECT U.N.O.

**KEYNOTE LEGEND**

- 1 SPEAKER LOCATION - REFER TO A201 FOR ADDITIONAL INFORMATION.
- 2 PICK-UP SIGN BY TENANT SIGNAGE VENDOR - INSTALLED BY GENERAL CONTRACTOR - COORDINATE REQUIRED BLOCKING REQUIREMENTS.
- 3 DUCTWORK SHOWN FOR REFERENCE ONLY - REFER TO MECHANICAL DRAWINGS FOR ALL FINAL DUCTWORK LOCATIONS.
- 4 6 - PANEL ARTWORK LOCATION.
- 5 SODA CHASE BEYOND - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- 6 STAINLESS STEEL SHROUD, REFER TO FINISH PLAN



CLIENT:  
CHIPOTLE MEXICAN GRILL, INC.  
PO BOX 182966  
COLUMBUS, OH 43218-2966  
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BLVD NW  
ANDOVER, MN 55304

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus, LICENSE # 54678  
*Matthew M. Wilkus*

DATE: November 12, 2024

PROJECT NO. 2023-0519  
DRAWN BY TRC  
CHECKED BY DRL

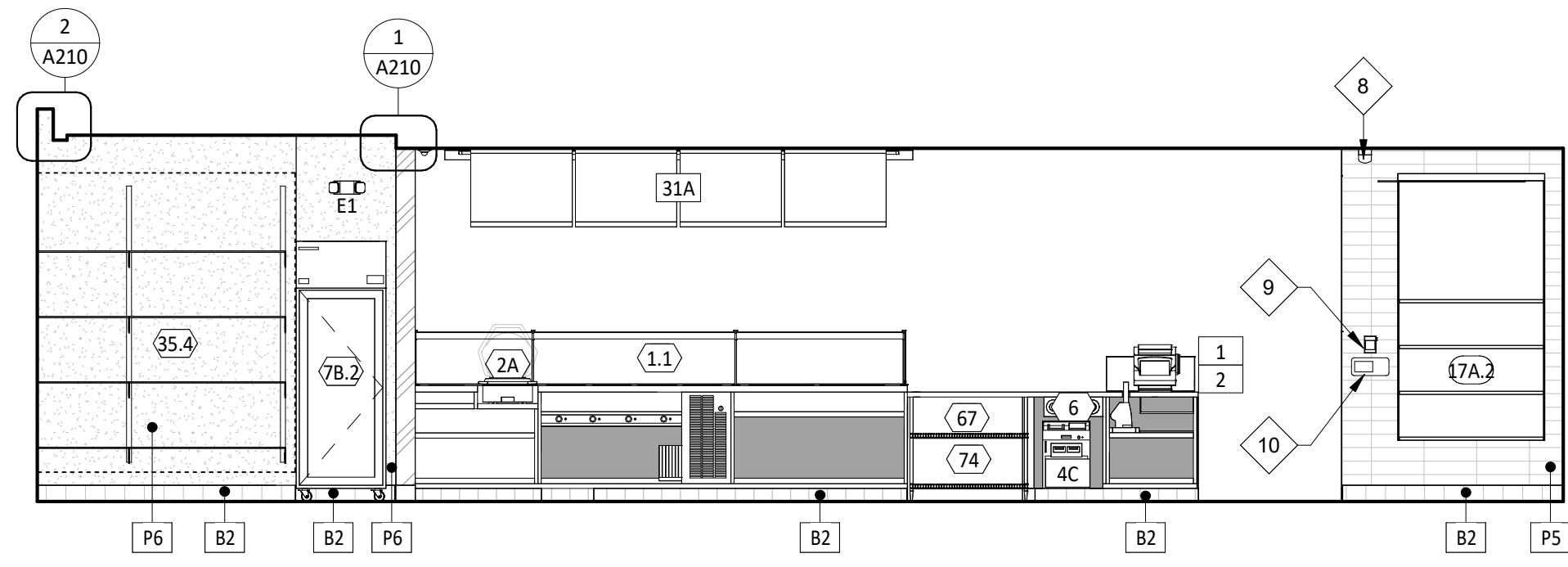
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REVISIONS:

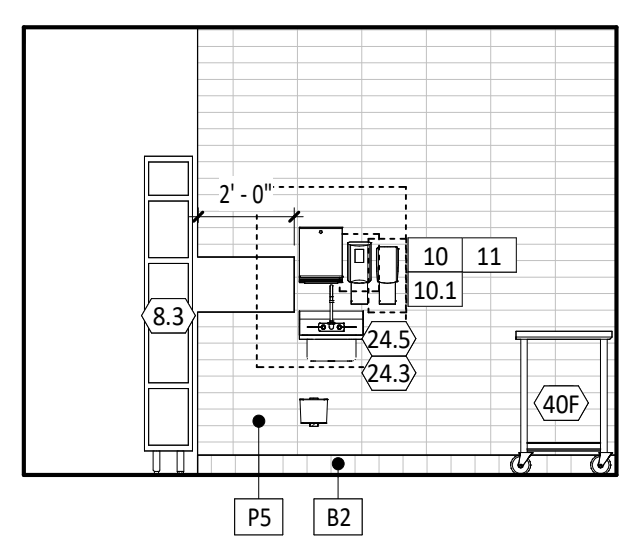
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ELEVATIONS - INTERIOR DINING

SHEET NUMBER:

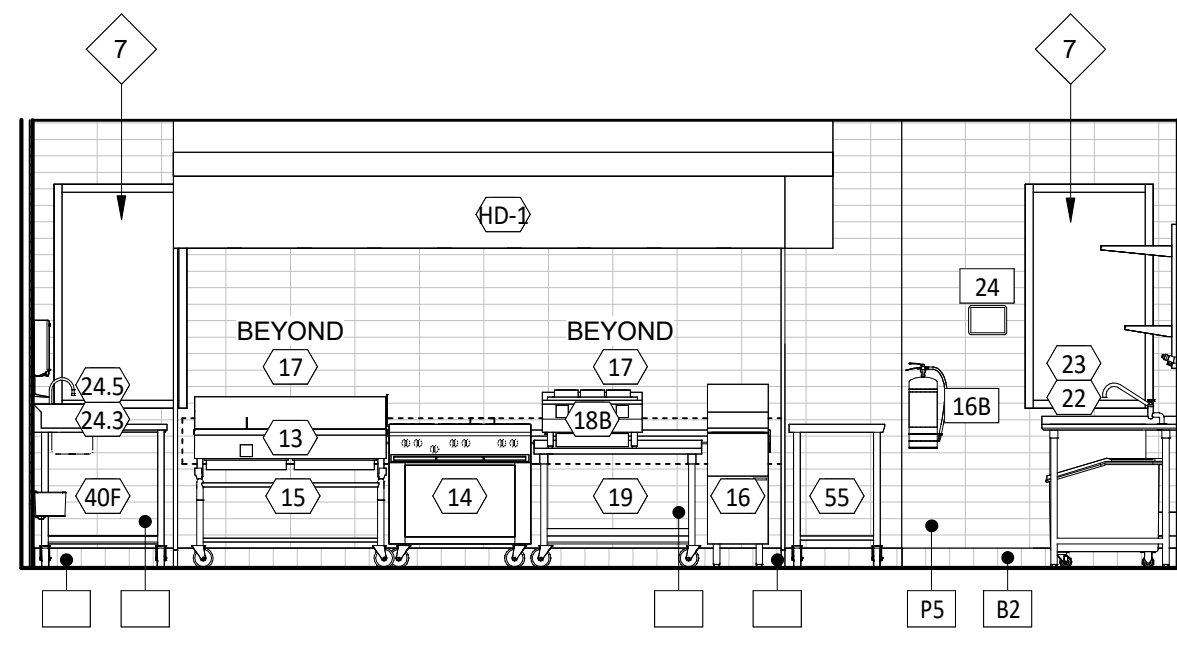
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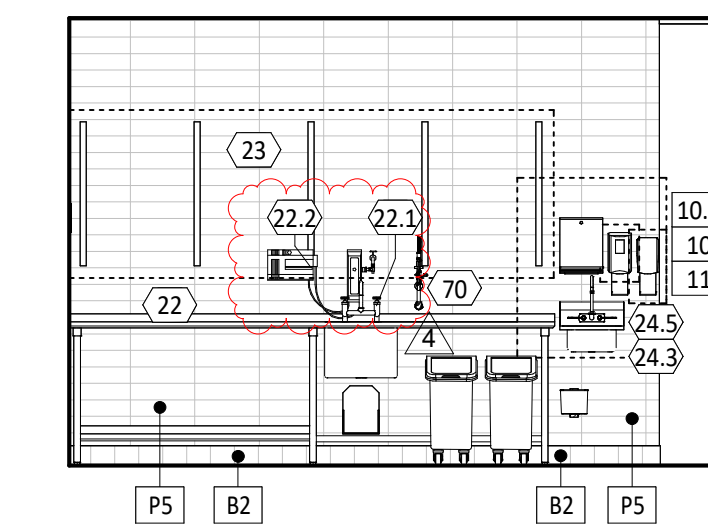
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SCALE: 1/4" = 1'-0"



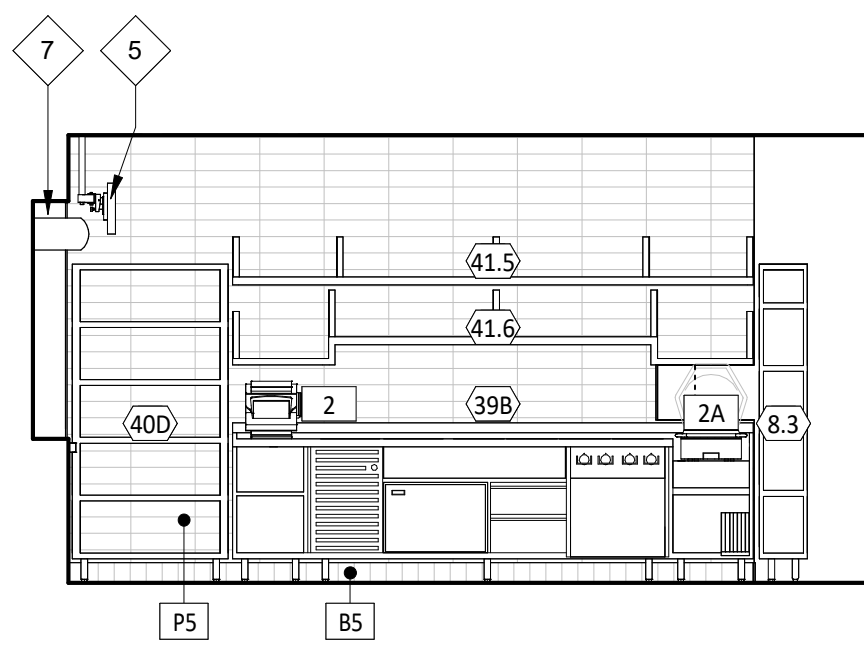
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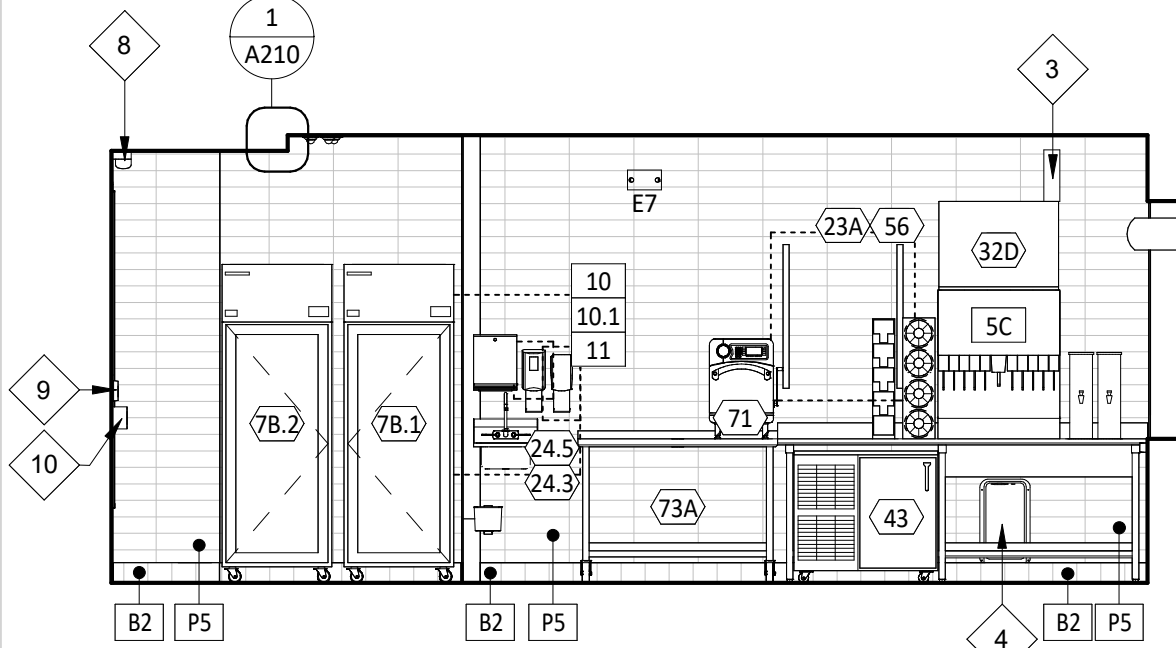
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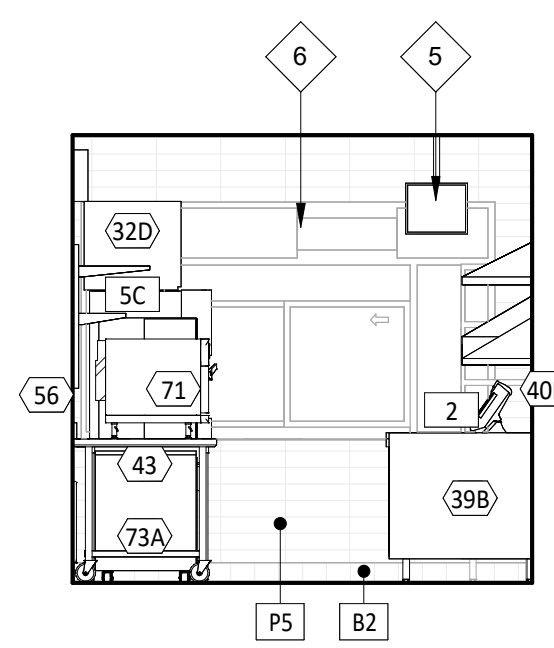
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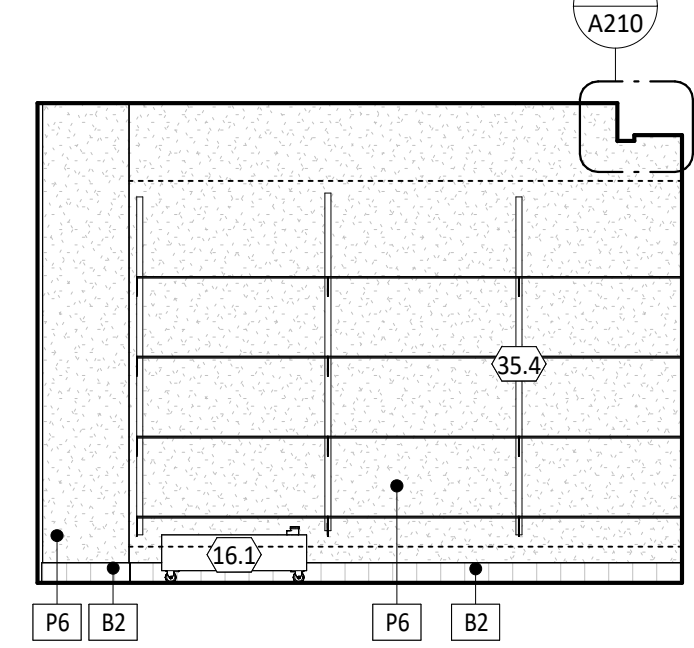
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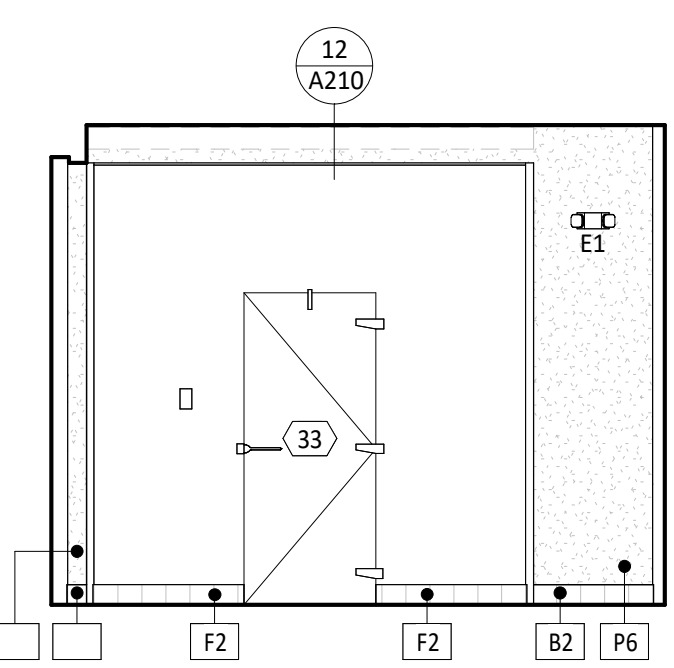
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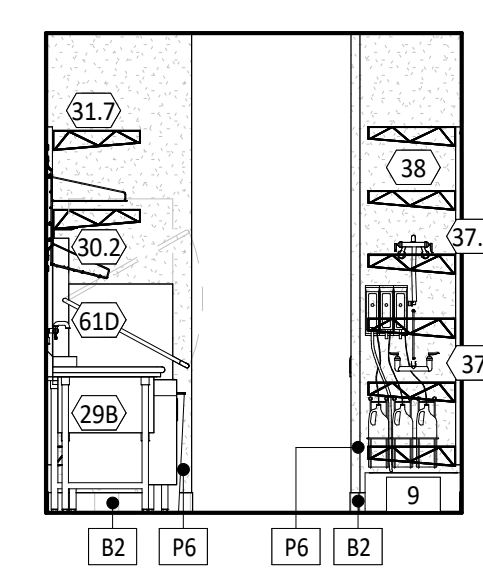
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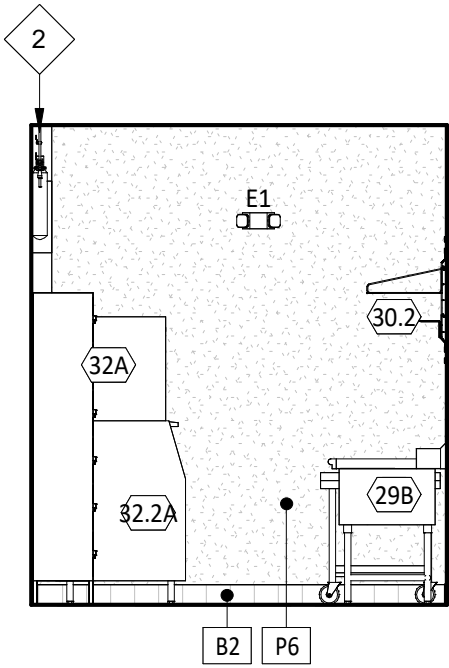
**8** ELEV. - INT. KITCHEN  
SCALE: 1/4" = 1'-0"



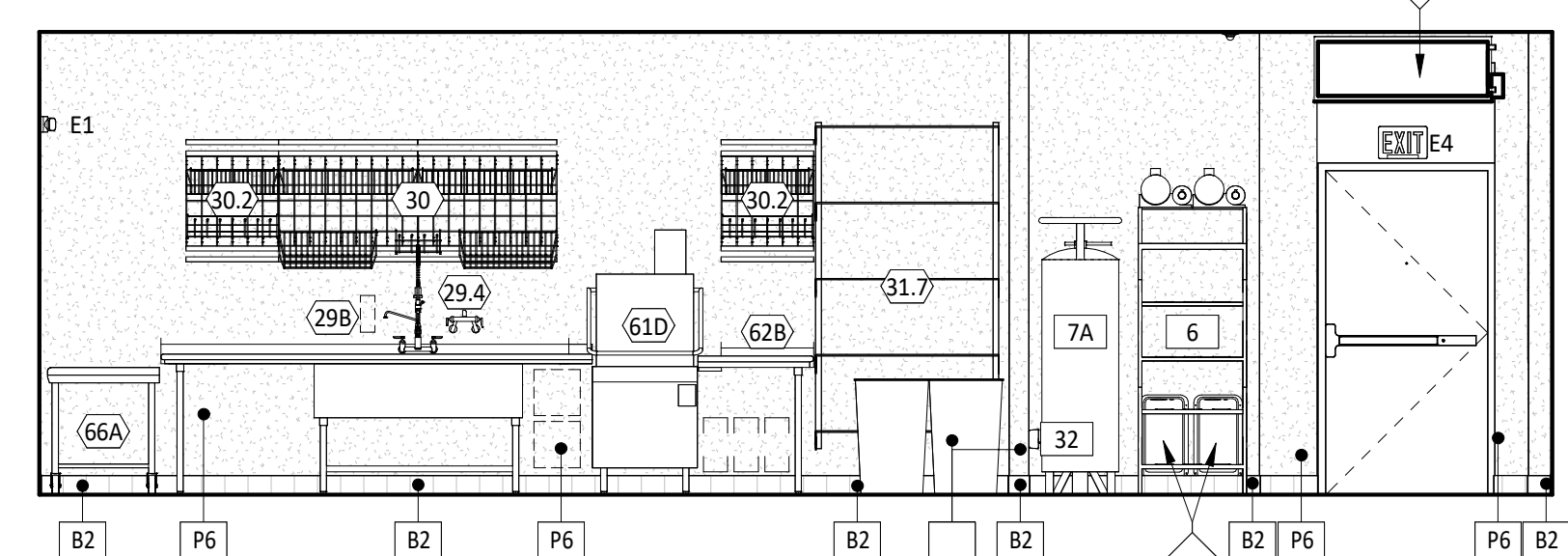
**9** ELEV. - INT. KITCHEN  
SCALE: 1/4" = 1'-0"



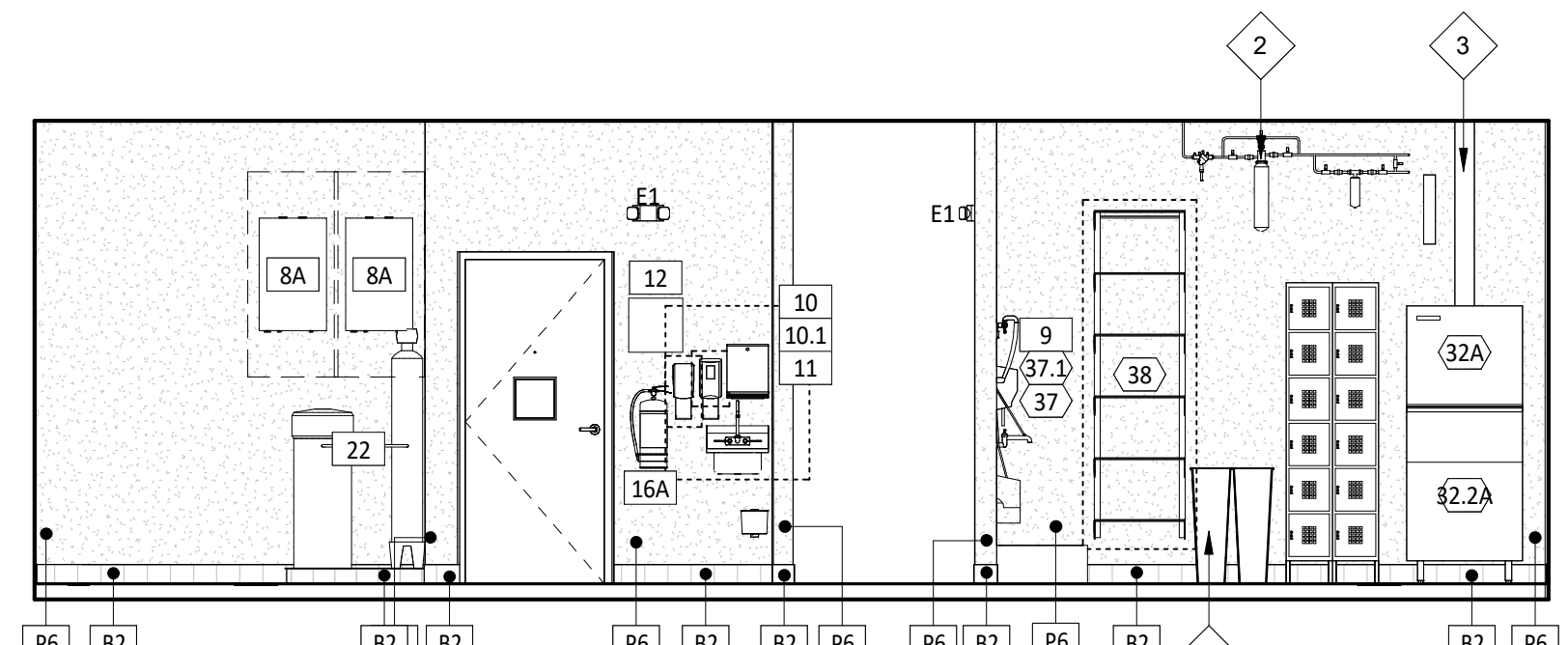
**10** ELEV. - INT. KITCHEN  
SCALE: 1/4" = 1'-0"



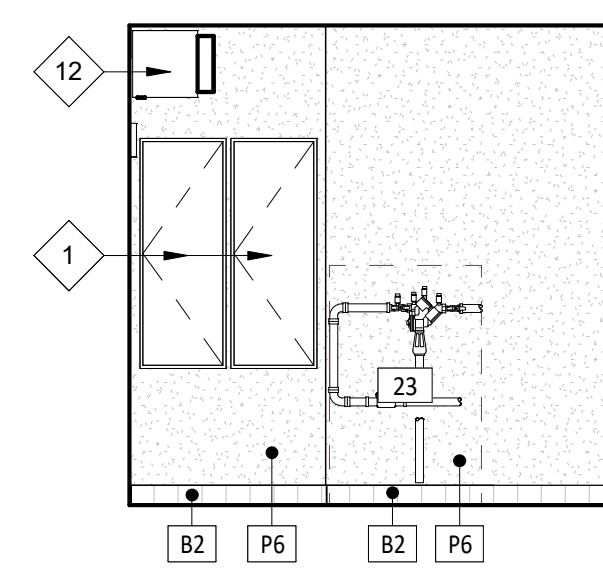
**11** ELEV. - INT. KITCHEN  
SCALE: 1/4" = 1'-0"



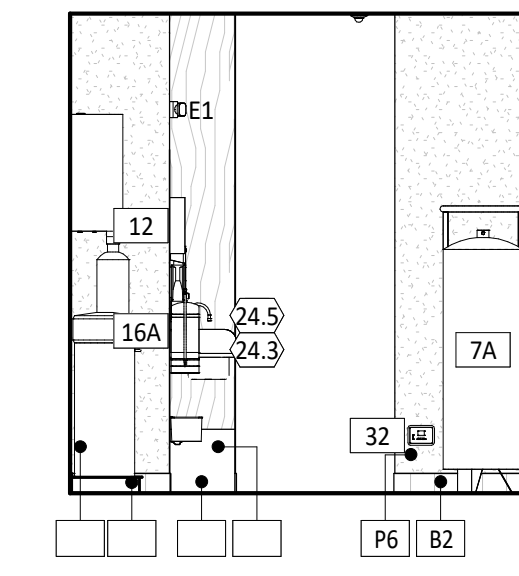
**12** ELEV. - INT. KITCHEN  
SCALE: 1/4" = 1'-0"



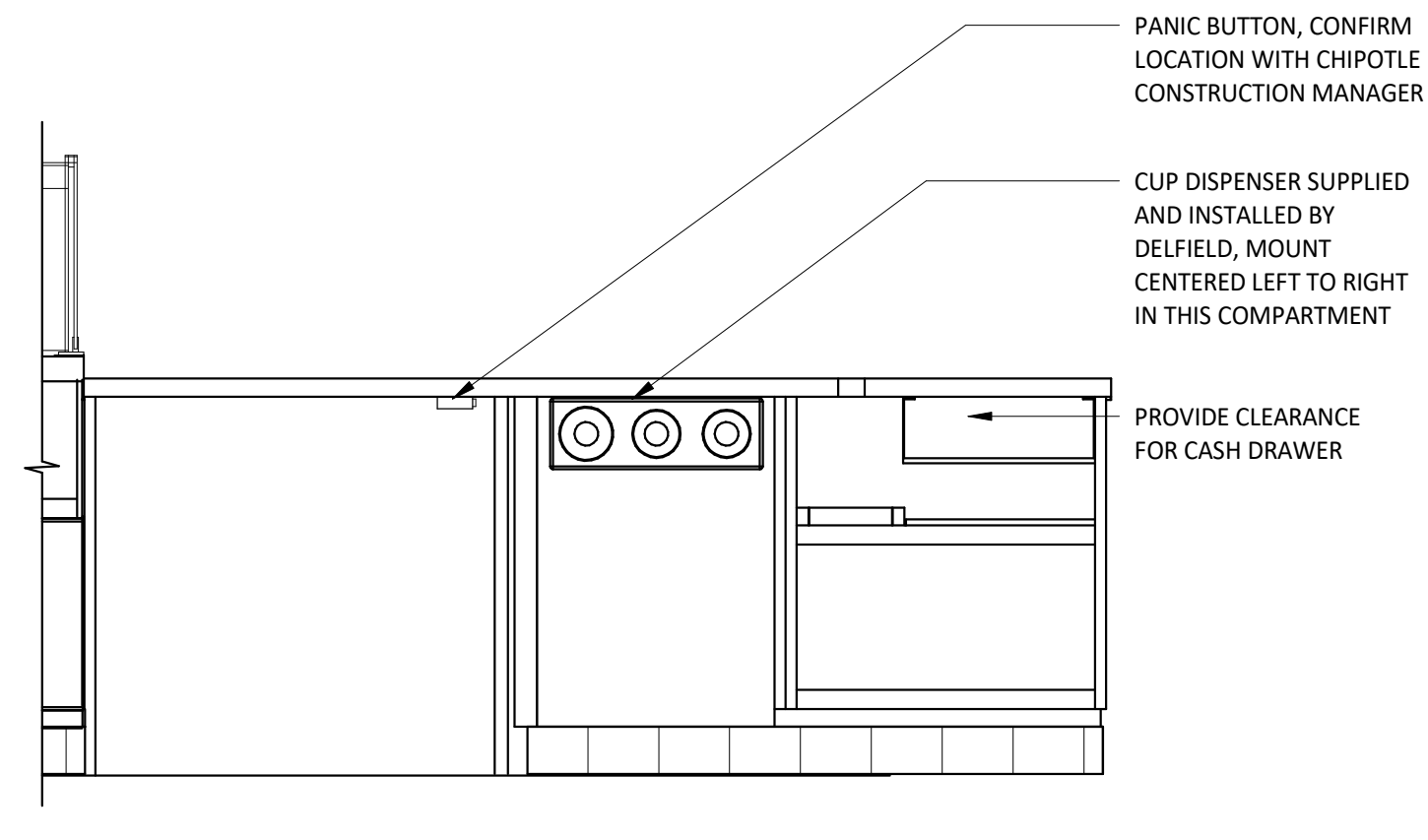
**13** ELEV. - INT. KITCHEN  
SCALE: 1/4" = 1'-0"



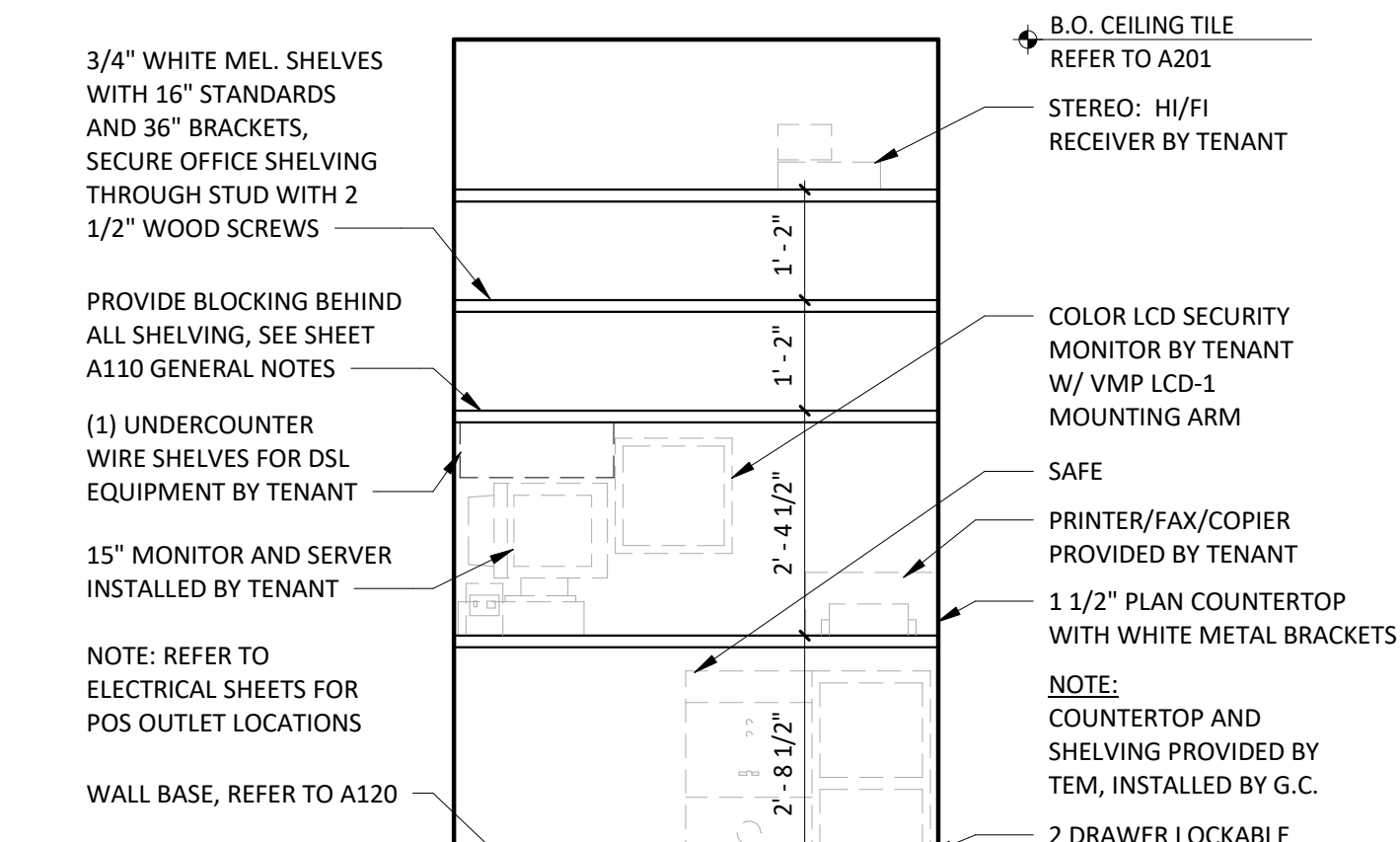
**14** ELEV. - INT. KITCHEN  
SCALE: 1/4" = 1'-0"



**15** ELEV. - INT. KITCHEN  
SCALE: 1/4" = 1'-0"



**16** TYP. ELEV. - POS  
SCALE: 3/4" = 1'-0"



**17** TYP ELEV - OFFICE SHELVING  
SCALE: 1/2" = 1'-0"

**GENERAL NOTES - INT. ELEV.**

- A. REFER TO SHEET A131 FOR EQUIPMENT LIST AND FURNITURE SCHEDULE.
- B. PROVIDE FULL HEIGHT BLOCKING IN WALL FOR ALL SHELVING, TYP.
- C. REFER TO A120 FOR FINISH SCHEDULE.
- D. REFER TO A201 AND ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.

**ELEVATION LEGEND**

--- DENOTES WOOD BLOCKING IN WALL BEHIND WALL MOUNTED OBJECT U.N.O.

**KEYNOTE LEGEND**

- 1 ELECTRICAL PANEL LOCATIONS, REFER TO ELECTRICAL DRAWINGS FOR DETAILS.
- 2 WATER FILTER - REFER TO PLUMBING SHEETS FOR ADDITIONAL INFORMATION.
- 3 GENERAL CONTRACTOR TO PROVIDE STAINLESS STEEL SHROUD AROUND EXPOSED LINES AT ICE MAKERS - REFER TO FINISH PLANS FOR DETAILS.
- 4 SODA CHASE BEYOND - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- 5 MONITOR BY TENANTS VENDOR.
- 6 PICKUP WINDOW WITH INTEGRATED AIR CURTAIN, BY LANDLORD
- 7 ALUMINUM PLATE SILL, HEAD AND JAMBS AS INDICATED - REFER TO DETAILS 12 & 13/A802.
- 8 CHIME/STROBE - REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
- 9 ANSUL PULL TO BE LOCATED 48" A.F.F. TO THE CENTER OF UNIT ABOVE THE TIMECLOCK LOCATION.
- 10 KRONOS TIMECLOCK WILL BE LOCATED 44" A.F.F. TO THE TOP OF UNIT - CENTER KRONOS UNIT IN WALL - REFER TO ELECTRICAL DRAWINGS.
- 11 MOVEABLE BACK-UP TRASH BINS FOR DINING AREA TRASH SURROUNDS - TYPICAL OF FOUR (4).
- 12 UNHEATED AIR CURTAIN AT SERVICE DOOR, SEE MECHANICAL SHEETS FOR MORE INFORMATION.



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PROJECT INFORMATION:

STORE NO.: #5307  
"CLOCKTOWER COMMONS"  
CROSSTOWN BLVD NW & HANSON  
BLVD NW  
ANDOVER, MN 55304

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.  
Matthew M. Wilkus LICENSE # 54678  
DATE January 08, 2025

PROJECT NO. 2023-0519  
DRAWN BY TRC  
CHECKED BY DRL

ISSUE RECORD:  
06/03/2024 PERMIT SET  
08/20/2024 BID SET  
11/12/2024 CONSTRUCTION SET

REVISIONS:  
4 01.08.25 CB-02

TITLE:  
ELEVATIONS - INTERIOR KITCHEN

SHEET NUMBER:  
A702

# RESTROOM ACCESSORIES

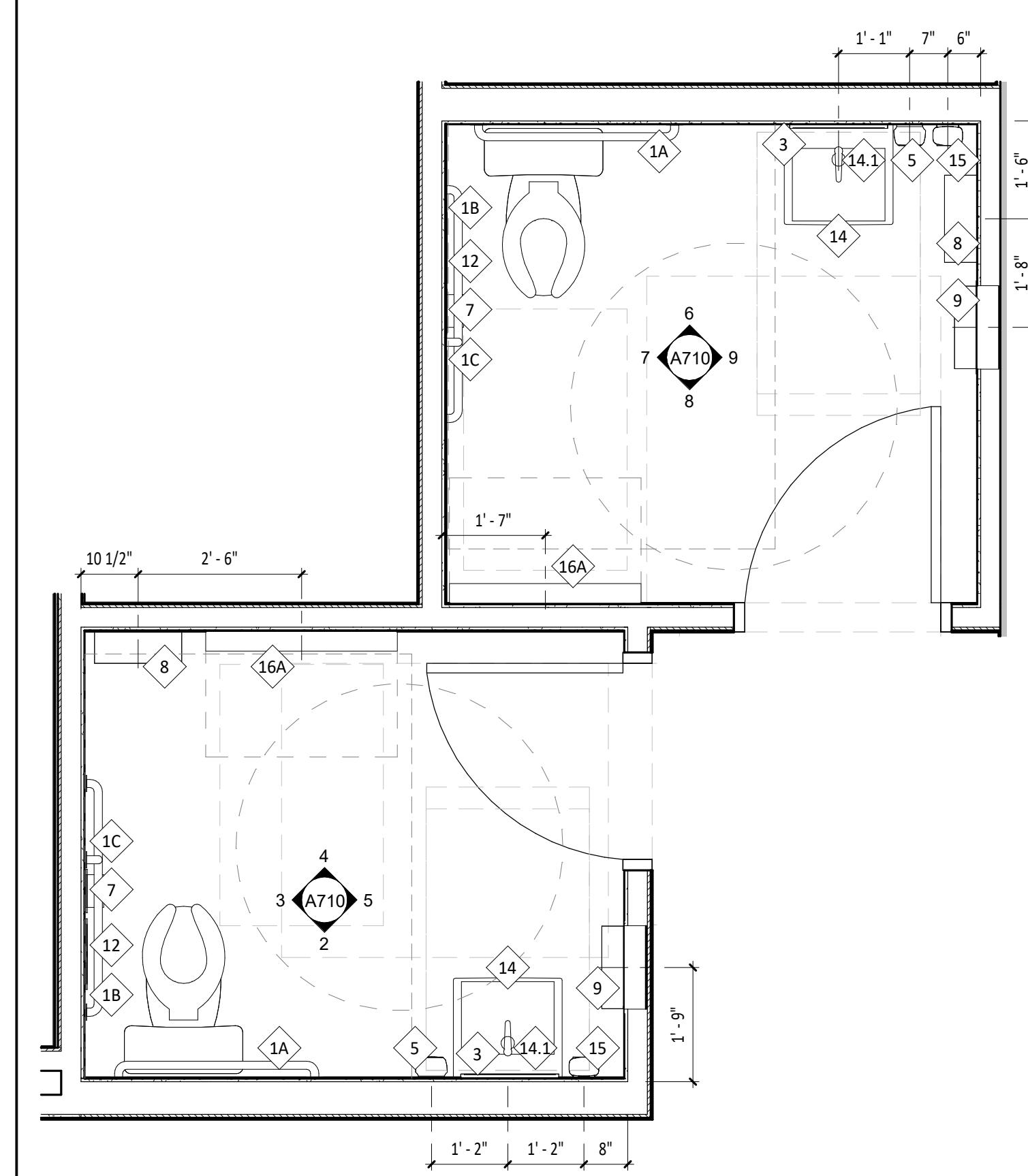
ITEM #	DESCRIPTION	MANUF	MODEL	QTY	PROVIDED BY	INSTALLED BY	UTILITY				MOUNTING HEIGHT	REMARKS
							ELEC	GAS	WATER	SEWER		
1A	Grab Bar - 36in	ASI	3501-36	2	WA	GC					34" AFF to Centerline of Gaspng Surface	Provide Plywood Blocking to Mount to Wall
1B	Grab Bar - 42in	ASI	3501-42	2	WA	GC					34" AFF to Centerline of Gaspng Surface	Provide Plywood Blocking to Mount to Wall
1C	Grab Bar - 18in	ASI	3501-18	2	WA	GC					40" AFF to Centerline of Bottom Return	Provide Plywood Blocking to Mount to Wall
3	Mirror	ASI	600-B1836	2	WA	GC					Bottom Edge of Reflecting Surface at 40" AFF	Provide Plywood Blocking to Mount to Wall
5	Touch-Free Soap Dispenser	Purell	C58	2	WA	GC					47 1/2" AFF To Top Of Dispenser	
7	Recessed Toilet Paper Dispenser	ASI	0031	2	WA	GC					29" AFF to Top of Unit	Recess Mounted in Wall - Rough Opening: 6 1/4"W X 12 1/4"H X 3 3/8"D Top of Rough Opening: 29 1/4" AFF Provide Toggle Bolts to Mount to Wall
8	Utility Shelf	ASI	0692	2	WA	GC					46" AFF To Top Of Shelf	Provide Toggle Bolts to Mount to Wall
9	Recessed Convertible Paper Towel Dispenser and Waste Receptacle, Recess Mounted in Wall	Bobrick	B-3944	2	WA	GC					Bottom of Unit at Top of Base, Bottom of Dispenser to be at 40" AFF, Recess Mounting in Wall	Rough Opening: 16"W x 54 3/4"H x 4" D. Provide Plywood Blocking to Mount to Wall
12	Napkin Disposal - Recessed	ASI	0473	2	WA	GC					Top of Rough Opening @ 29" AFF	Recess Mounted in Wall - Rough Opening: 11 1/4"W X 15 3/4"H X 4"D
14	Restroom Hand Sink	Kohler	K-2084	2	GC	GC					Mount Bottom of Front Edge Of The Sink At Exactly 29" AFF	
14.1	Restroom Hand Sink Faucet	T&S	EC-3102-TMV-LF-05	2	KES	GC						To Be Furnished With .5 GPM Aerator Installed. Thermostatic mixing valve is also included.
15	Hand Sanitizer Dispenser	Purell	E58	2	WA	GC					Align T.O. Unit With T.O. Soap Dispenser	
16A	Surface Mounted Horizontal Baby Changing Station	Koala Care	KB200-05	2	WA	GC					Mount Bottom of Open Changing Bed at Exactly 27" AFF	GC to Provide adequate blocking to support the baby changing equipment. Blocking shall be installed in such a manner to not damage or compromise the rated assembly of the existing wall construction

# GENERAL NOTES - RESTROOM

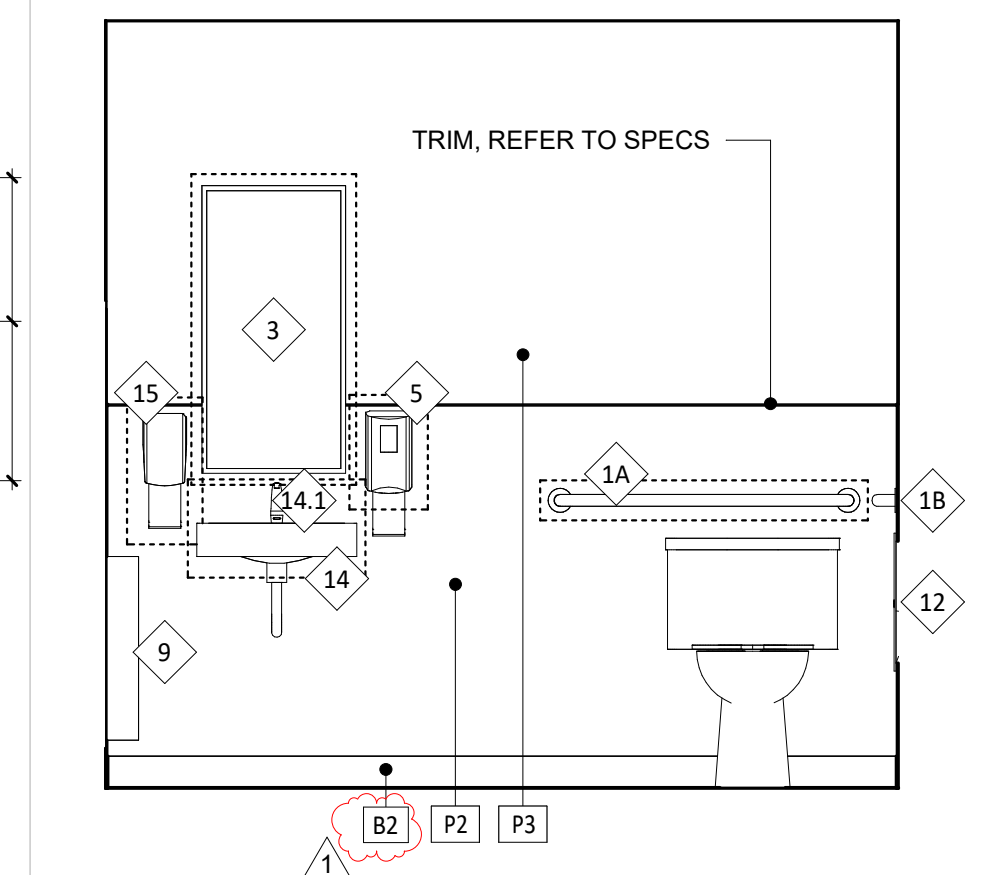
- A. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE NOTES.
- B. REFER TO A801 FOR FINISH DETAIL NOTES.
- C. ALL ACCESSORIES SHALL BE AS MANUFACTURED BY AMERICAN SPECIALTIES INC OR TENANT APPROVED EQUIVALENT UNLESS DESIGNATED OTHERWISE. PROVIDE SOLID FRT WOOD BLOCKING AS NECESSARY FOR INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS. SEE SHEET G002 FOR ACCESSIBILITY GUIDELINES & MOUNTING HEIGHT REQUIREMENTS.
- D. REFER TO A120 FOR FINISH SCHEDULE.
- E. REFER TO A201 AND ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.

# ELEVATION LEGEND

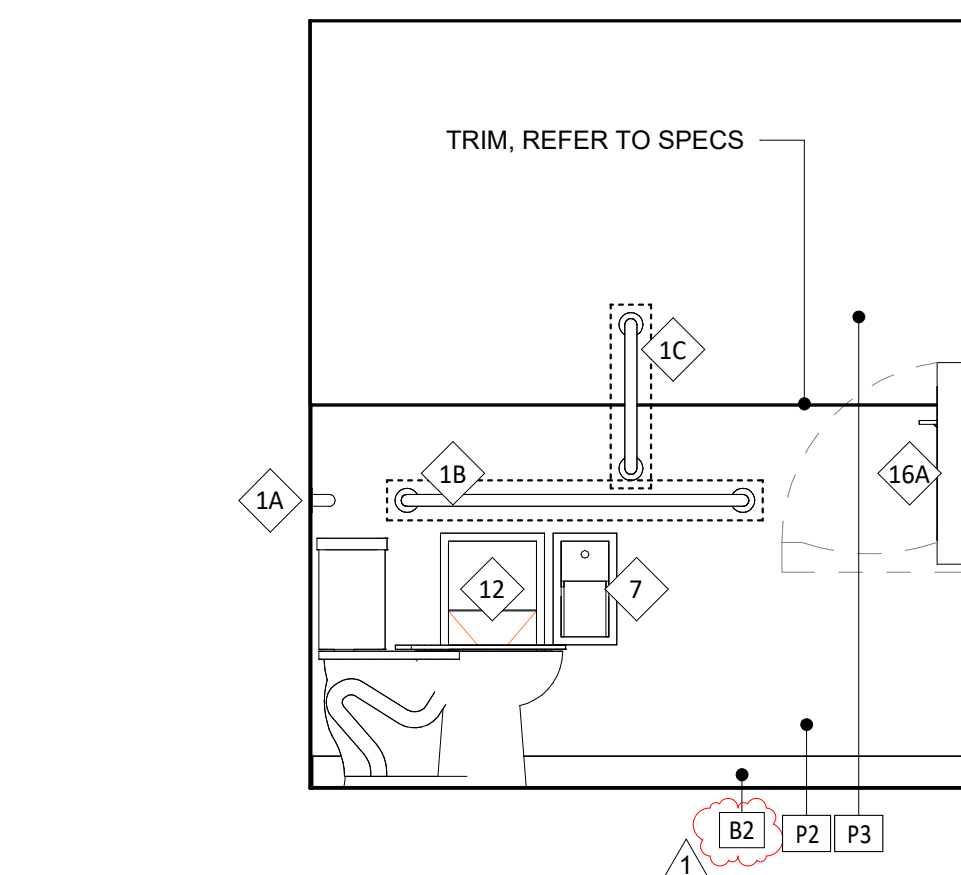
--- DENOTES WOOD BLOCKING IN WALL BEHIND WALL MOUNTED OBJECT U.N.O.



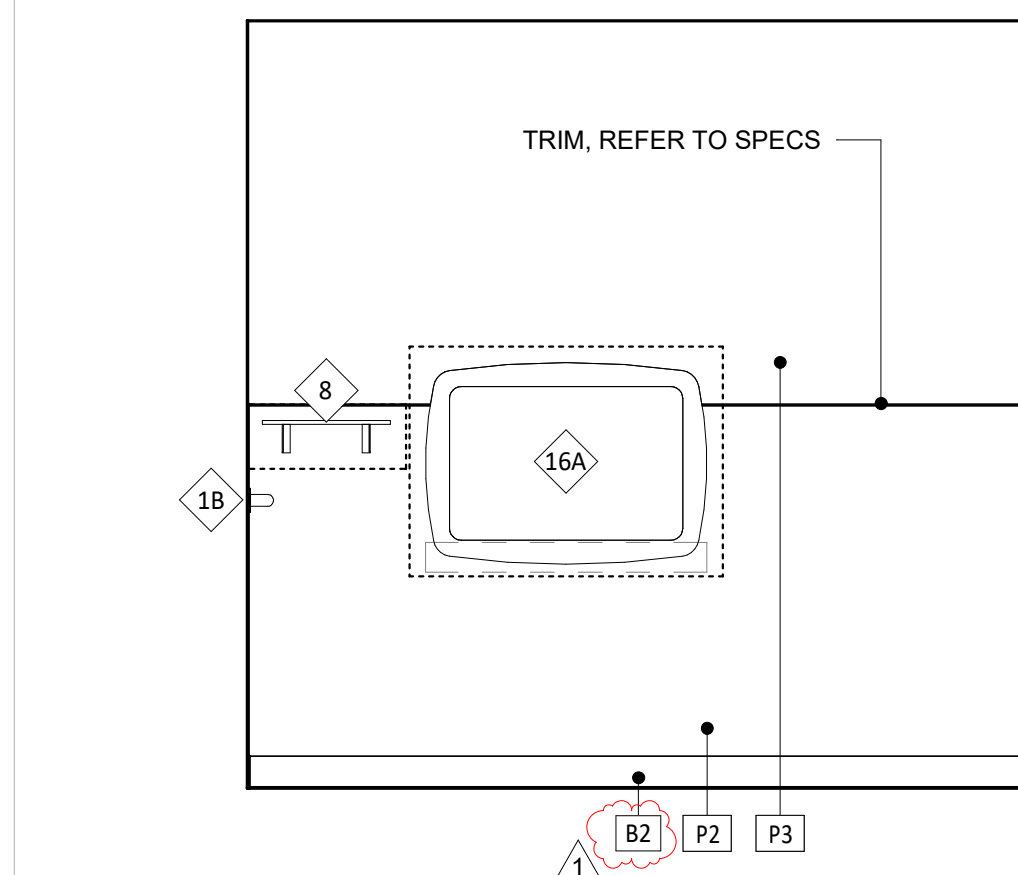
**1 ENLARGED PLAN**  
SCALE: 1/2" = 1'-0"



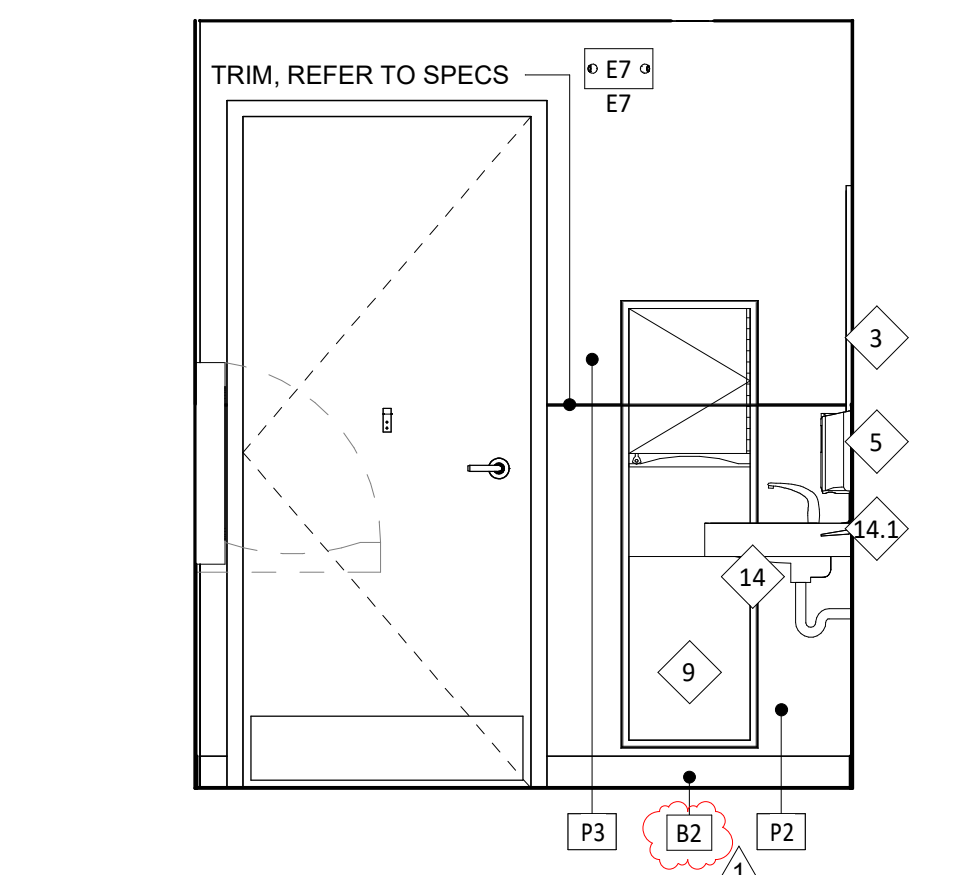
**2 UNISEX 1 RESTROOM**  
SCALE: 1/2" = 1'-0"



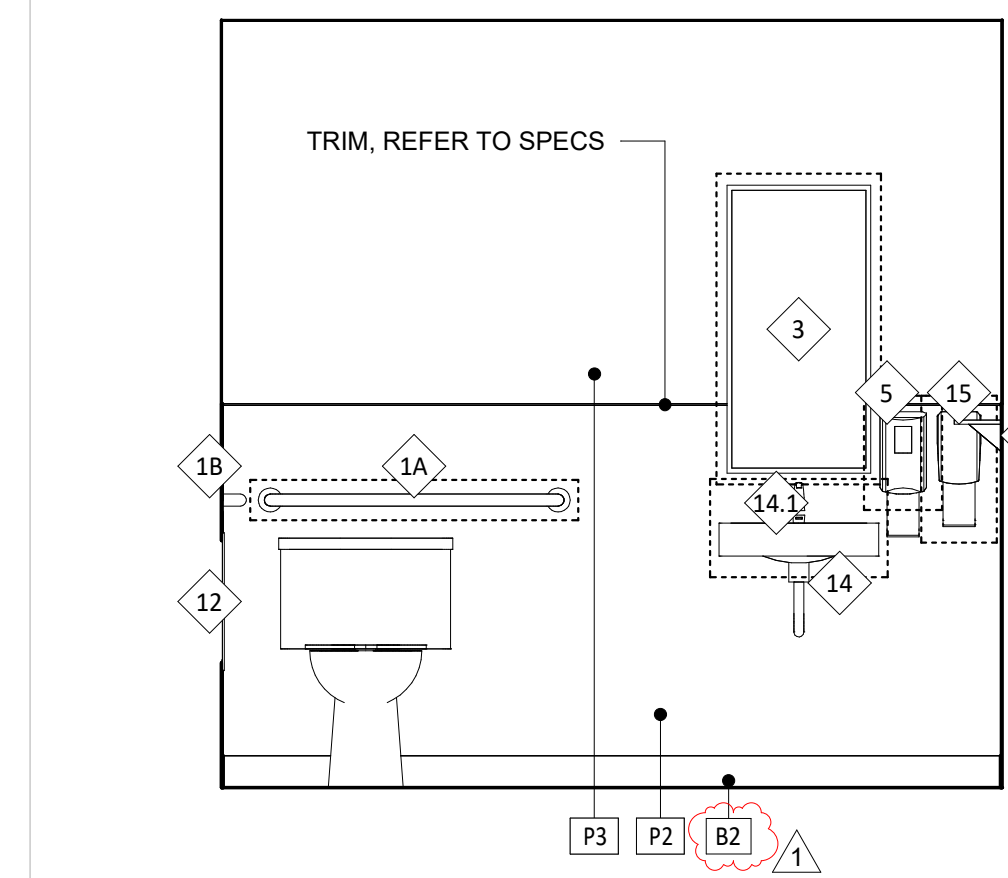
**3 UNISEX 1 RESTROOM**  
SCALE: 1/2" = 1'-0"



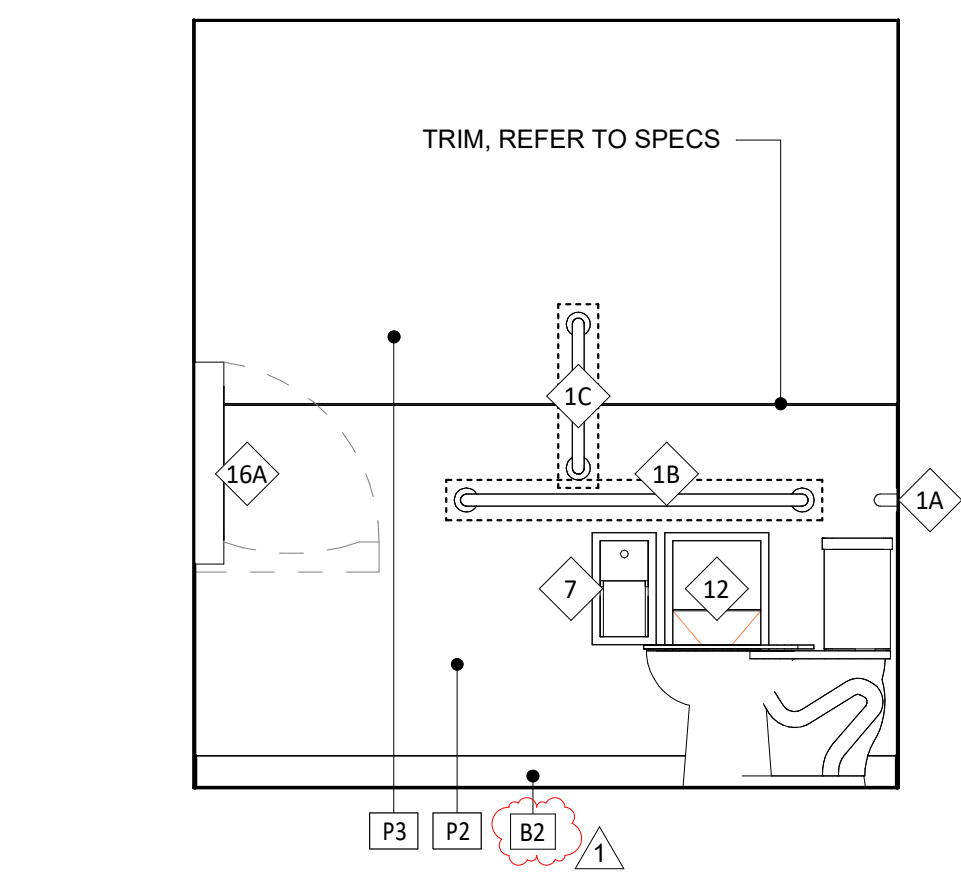
**4 UNISEX 1 RESTROOM**  
SCALE: 1/2" = 1'-0"



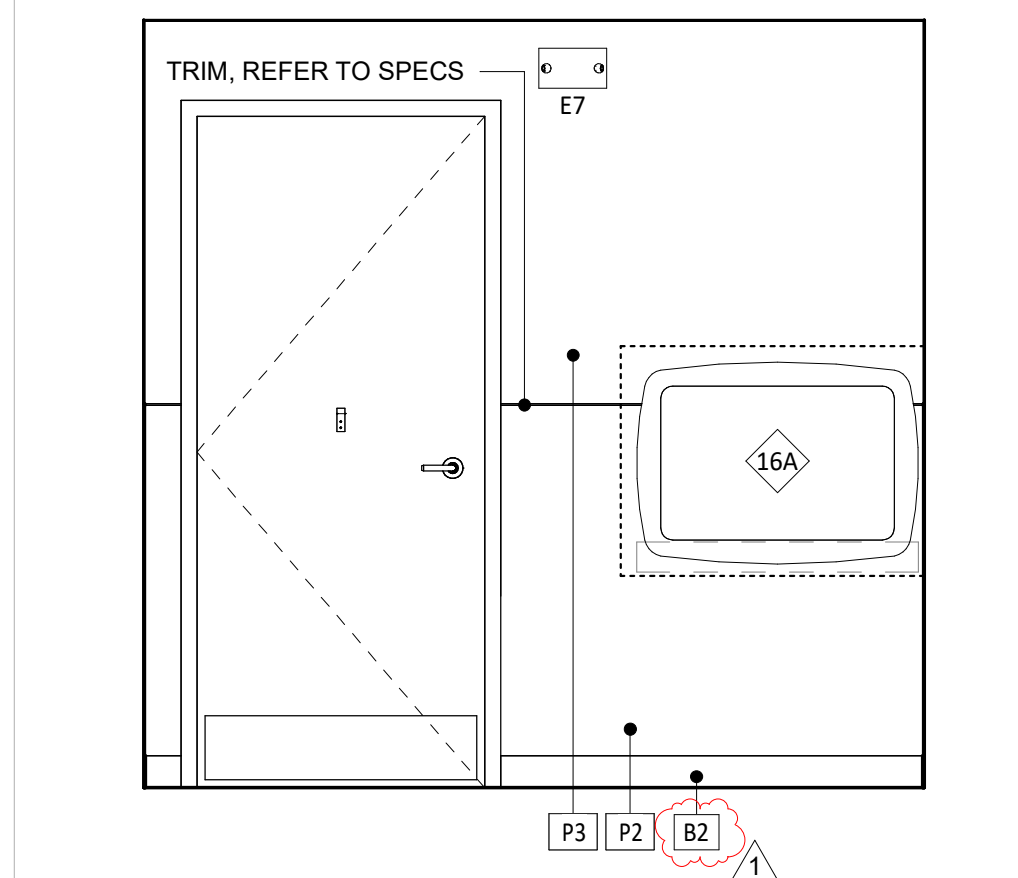
**5 UNISEX 1 RESTROOM**  
SCALE: 1/2" = 1'-0"



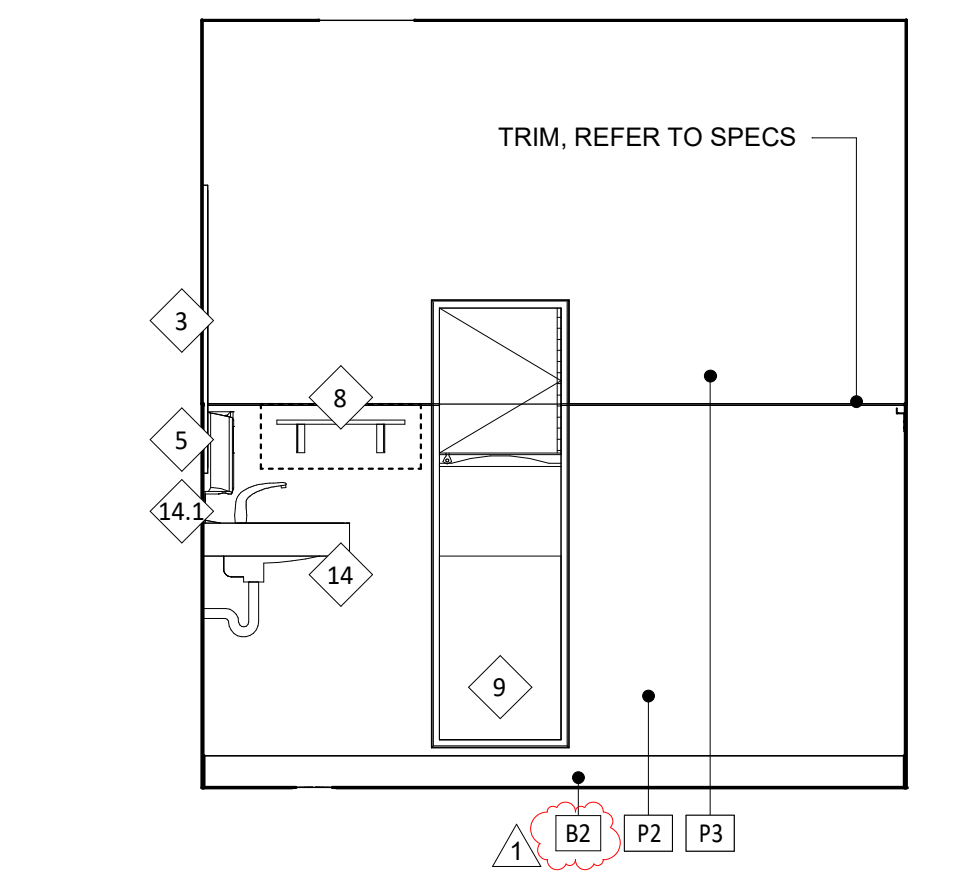
**6 UNISEX 2 RESTROOM**  
SCALE: 1/2" = 1'-0"



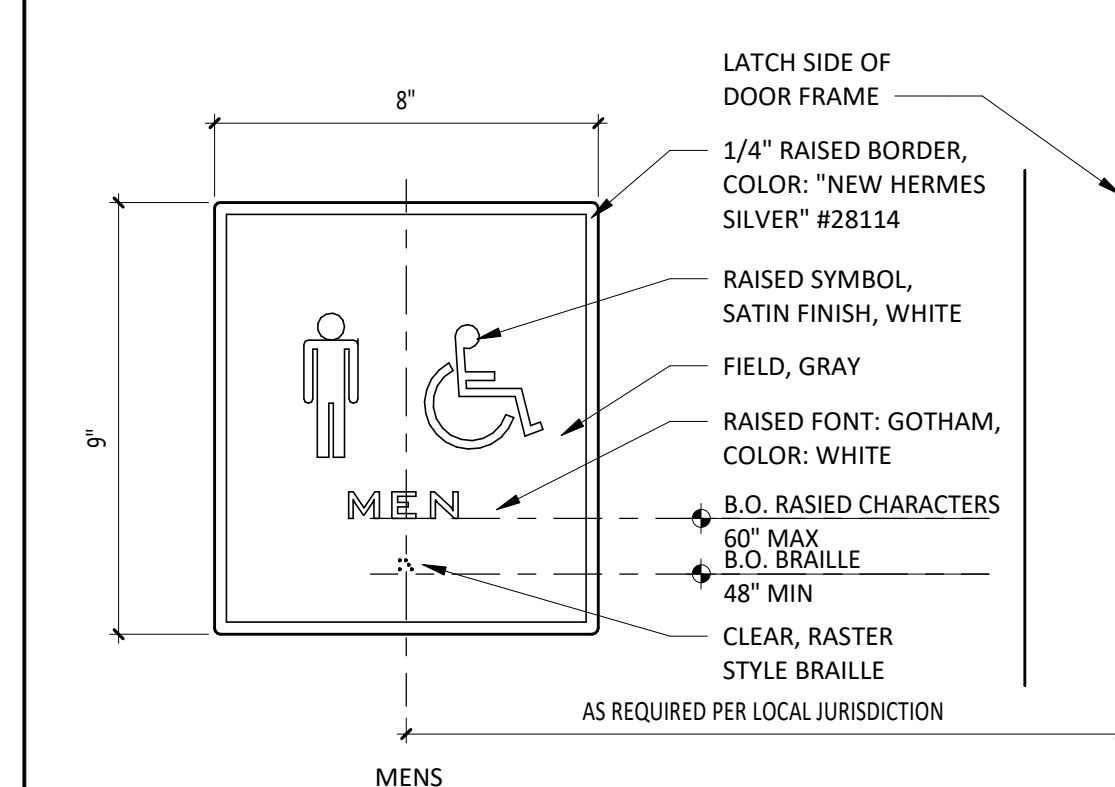
**7 UNISEX 2 RESTROOM**  
SCALE: 1/2" = 1'-0"



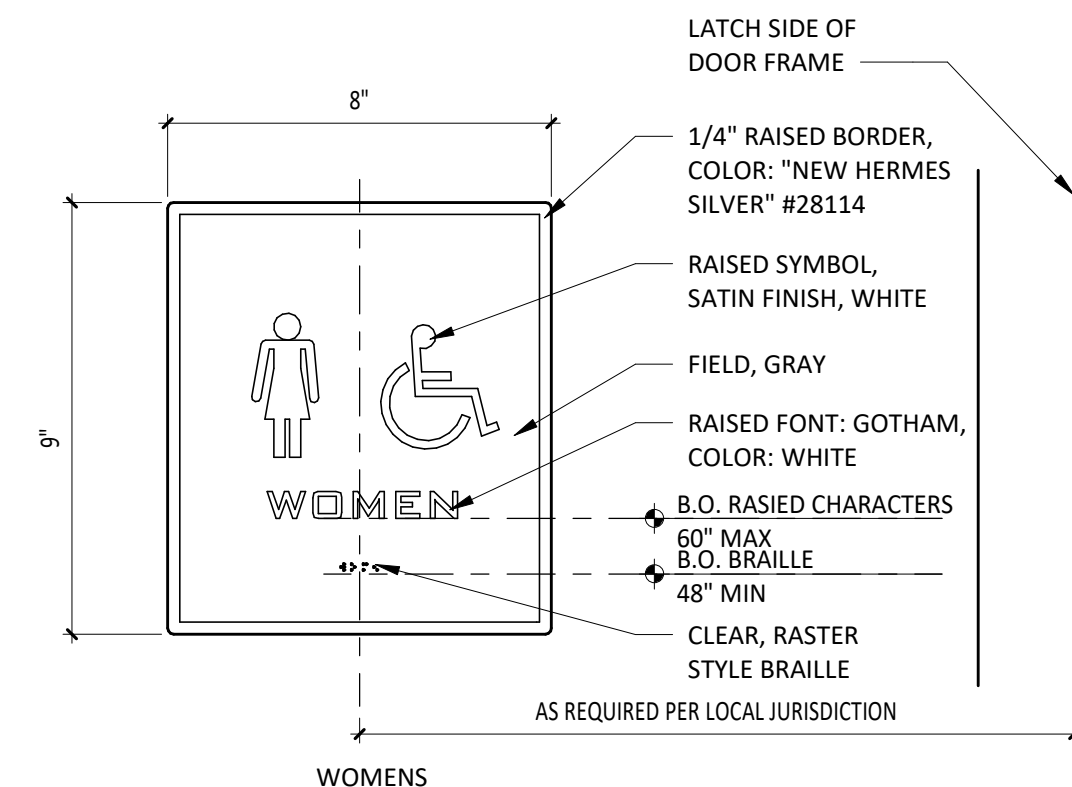
**8 UNISEX 2 RESTROOM**  
SCALE: 1/2" = 1'-0"



**9 UNISEX 2 RESTROOM**  
SCALE: 1/2" = 1'-0"



**10 TYPICAL RESTROOM SIGNAGE**  
SCALE: 3" = 1'-0"



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PROJECT INFORMATION:

STORE NO.: #5307  
"CLOCKTOWER COMMONS"  
CROSSTOWN BLVD NW & HANSON  
BLVD NW  
ANDOVER, MN 55304

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus, LICENSE # 54678  
*Matthew M. Wilkus*

DATE: November 12, 2024

PROJECT NO. 2023-0519  
DRAWN BY TRC  
CHECKED BY DRL

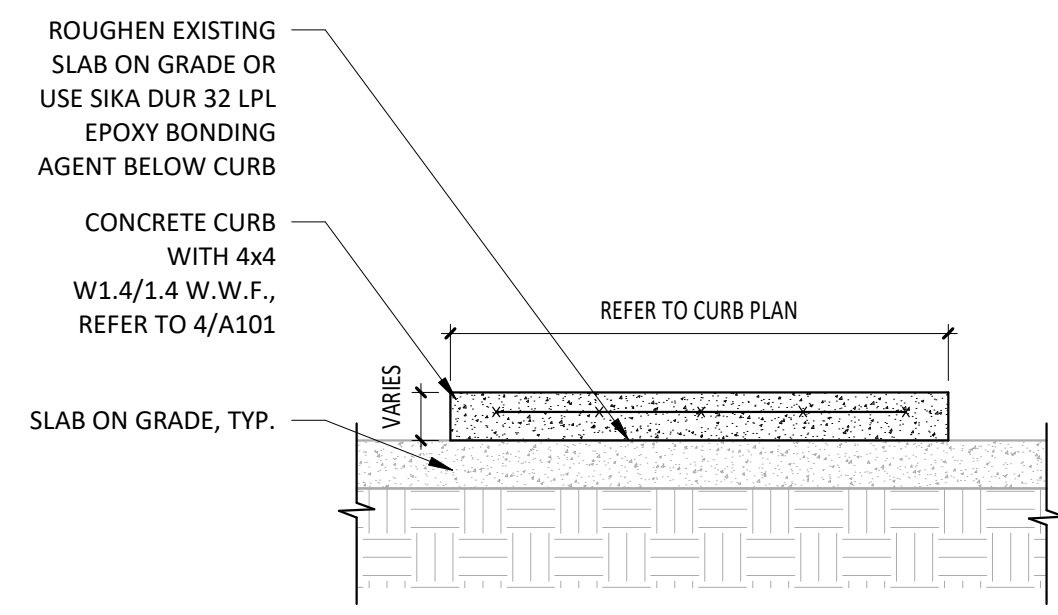
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06/03/2024 PERMIT SET  
08/20/2024 BID SET  
11/12/2024 CONSTRUCTION SET

REVISIONS:  
1 07.03.2024 Health Comments

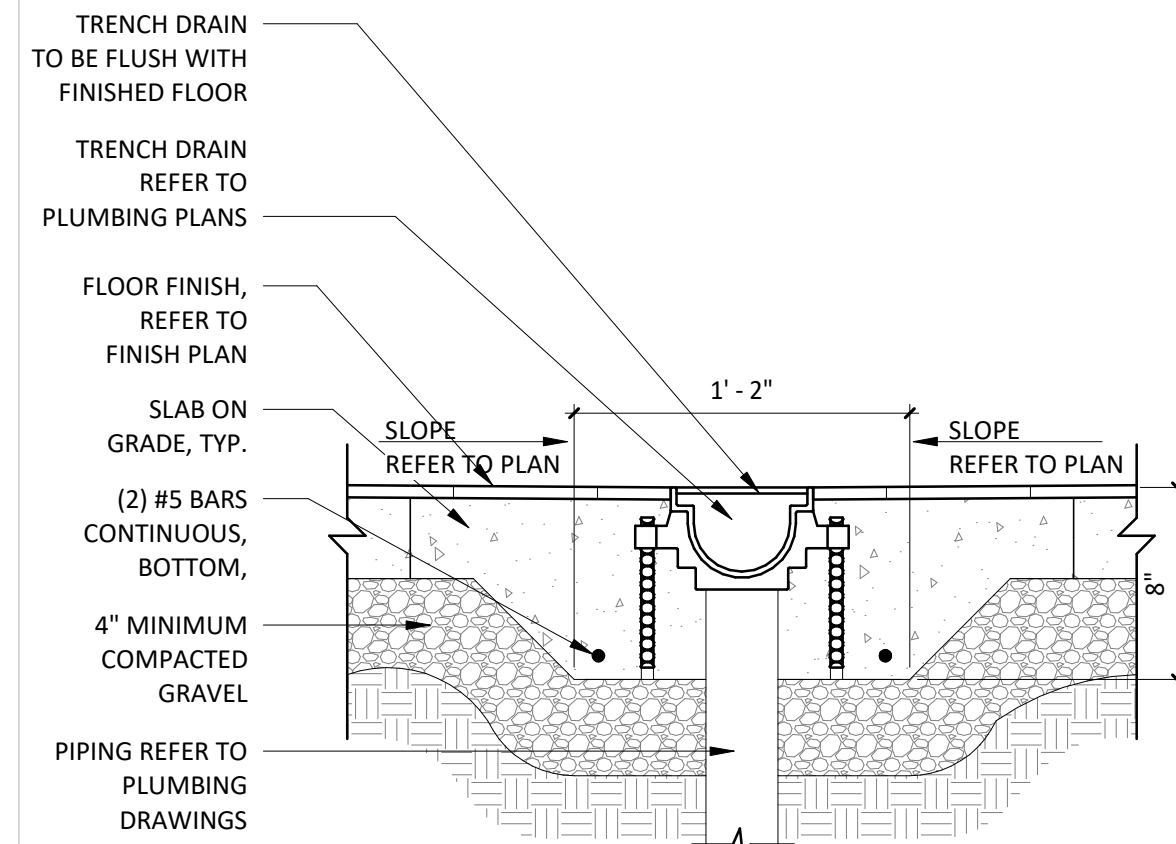
TITLE:  
RESTROOM INFORMATION

SHEET NUMBER:

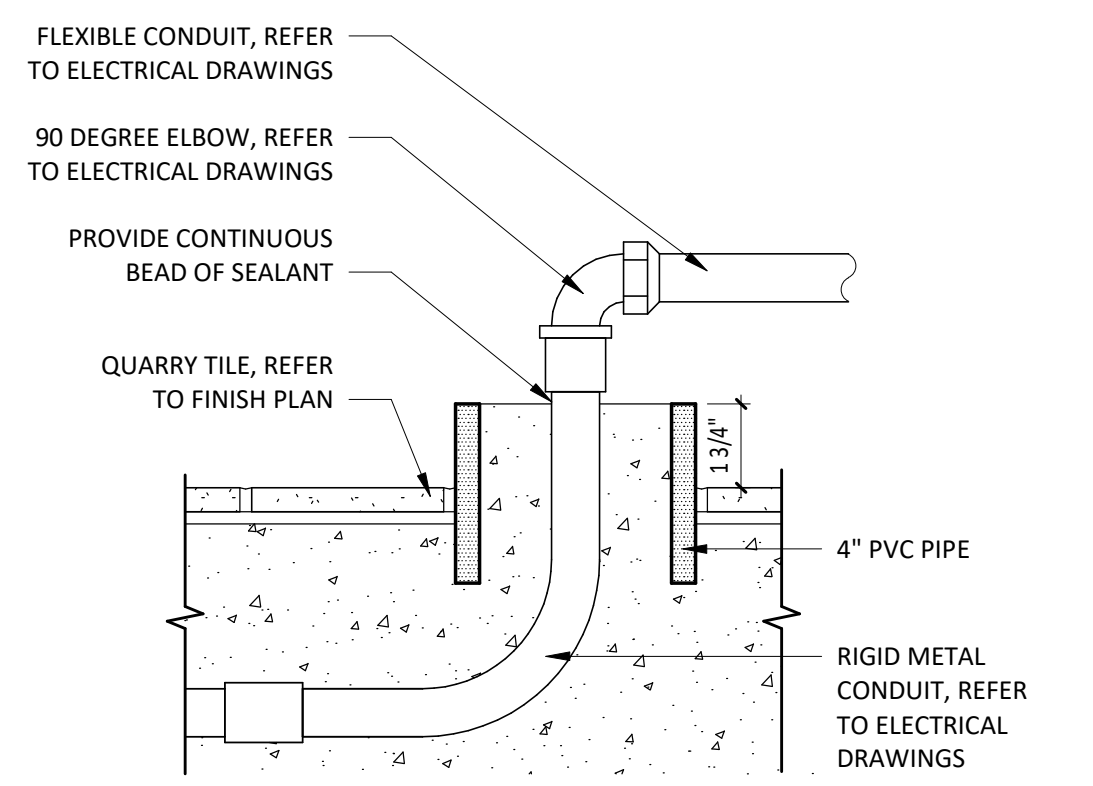
A710



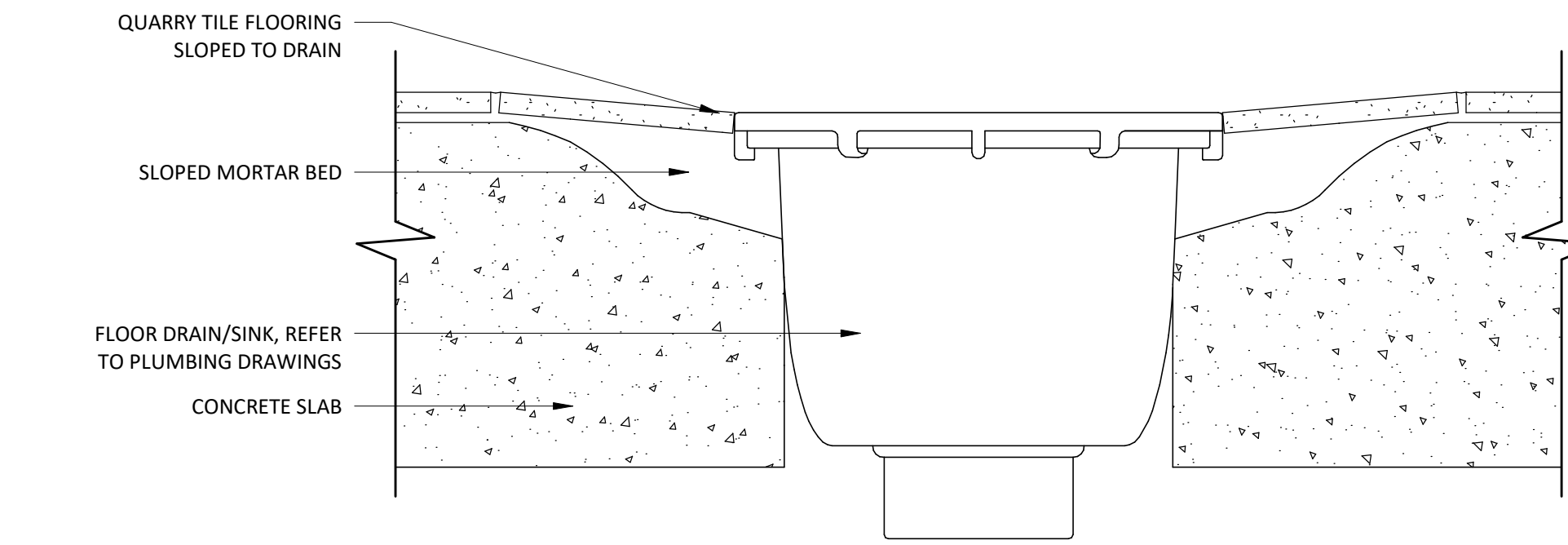
**1** DETAIL @ CONCRETE CURB  
SCALE: 3/4" = 1'-0"



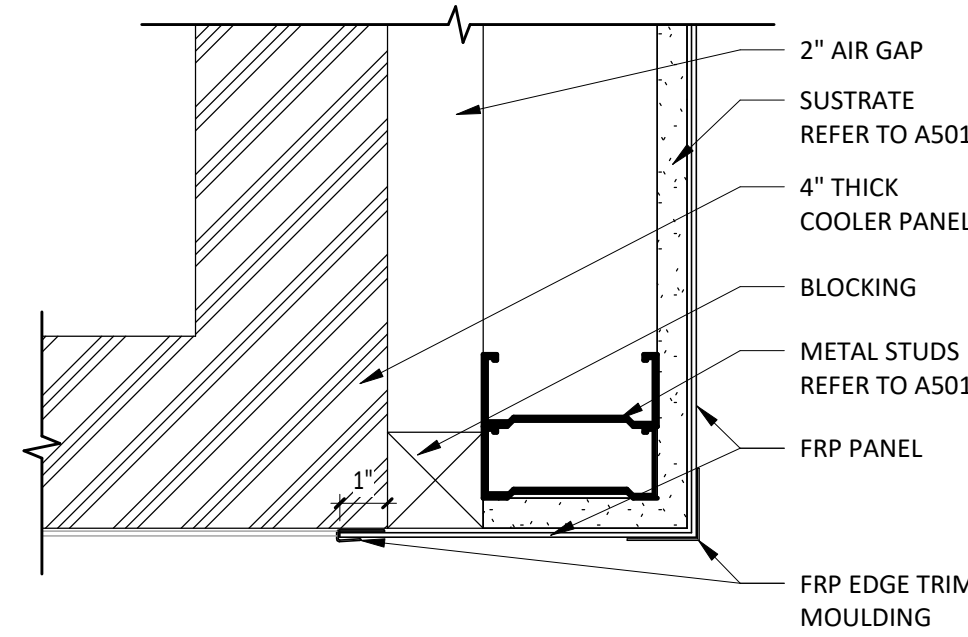
**2** DETAIL @ TRENCH DRAIN  
SCALE: 1 1/2" = 1'-0"



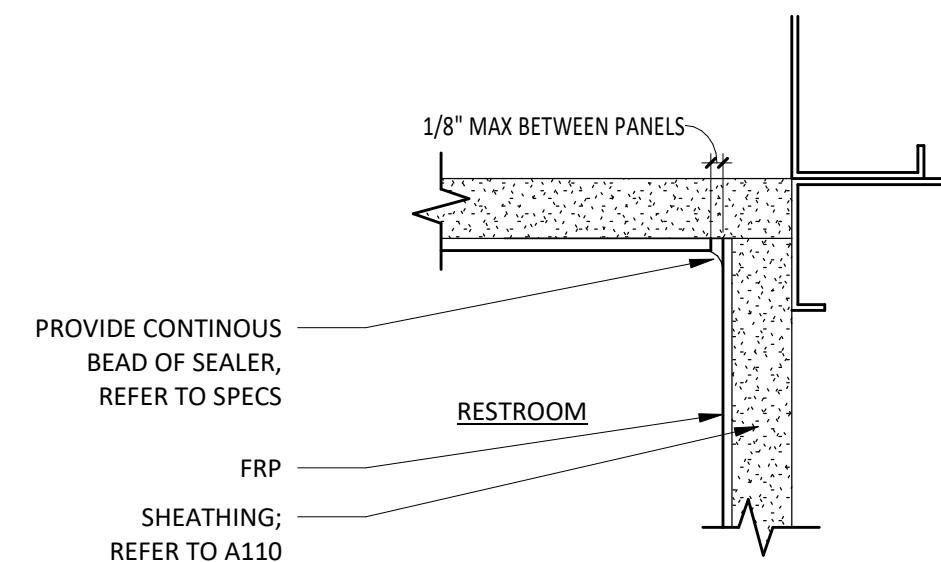
**3** SECTION @ STUB LOCATION UNDER TABLES  
SCALE: 3" = 1'-0"



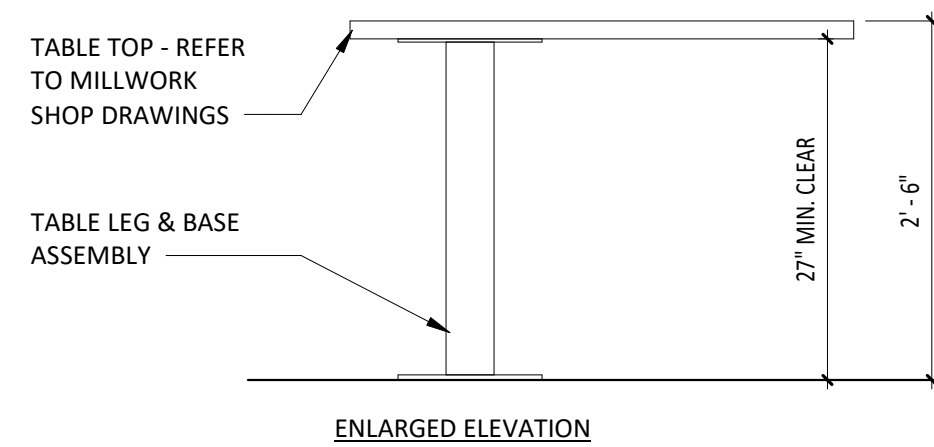
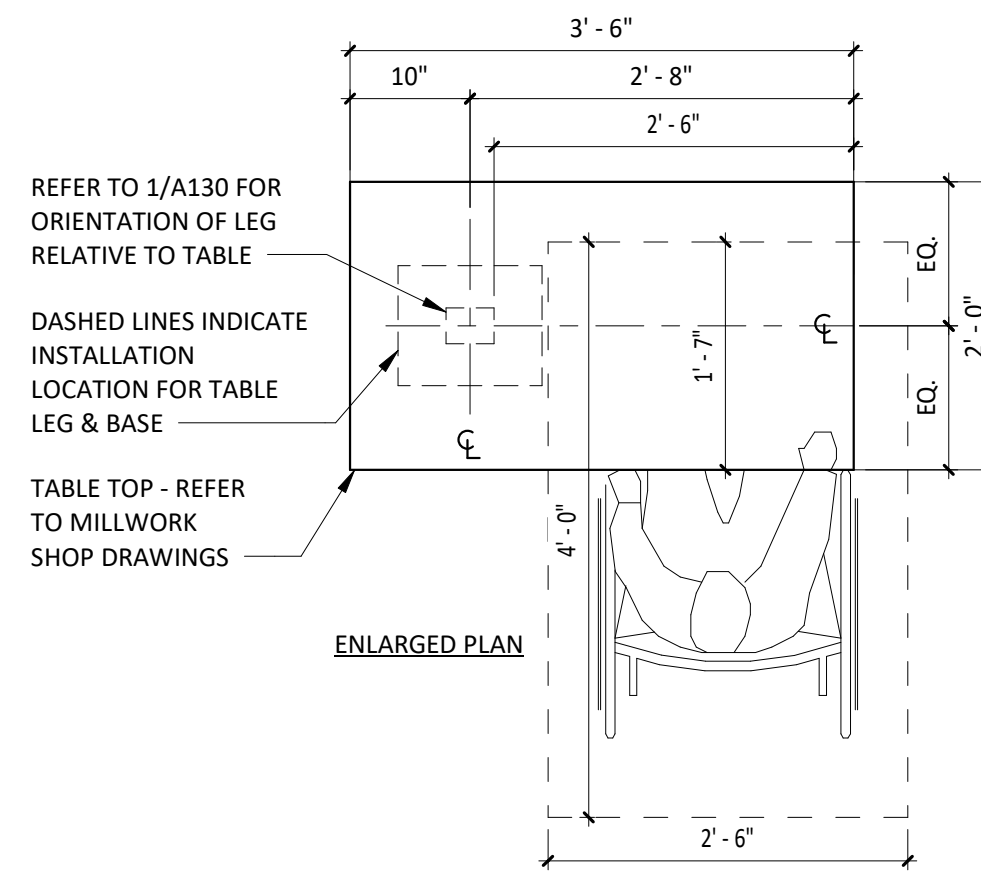
**4** SECTION @ QT FLOOR DRAIN/SINK - TYP.  
SCALE: 3" = 1'-0"



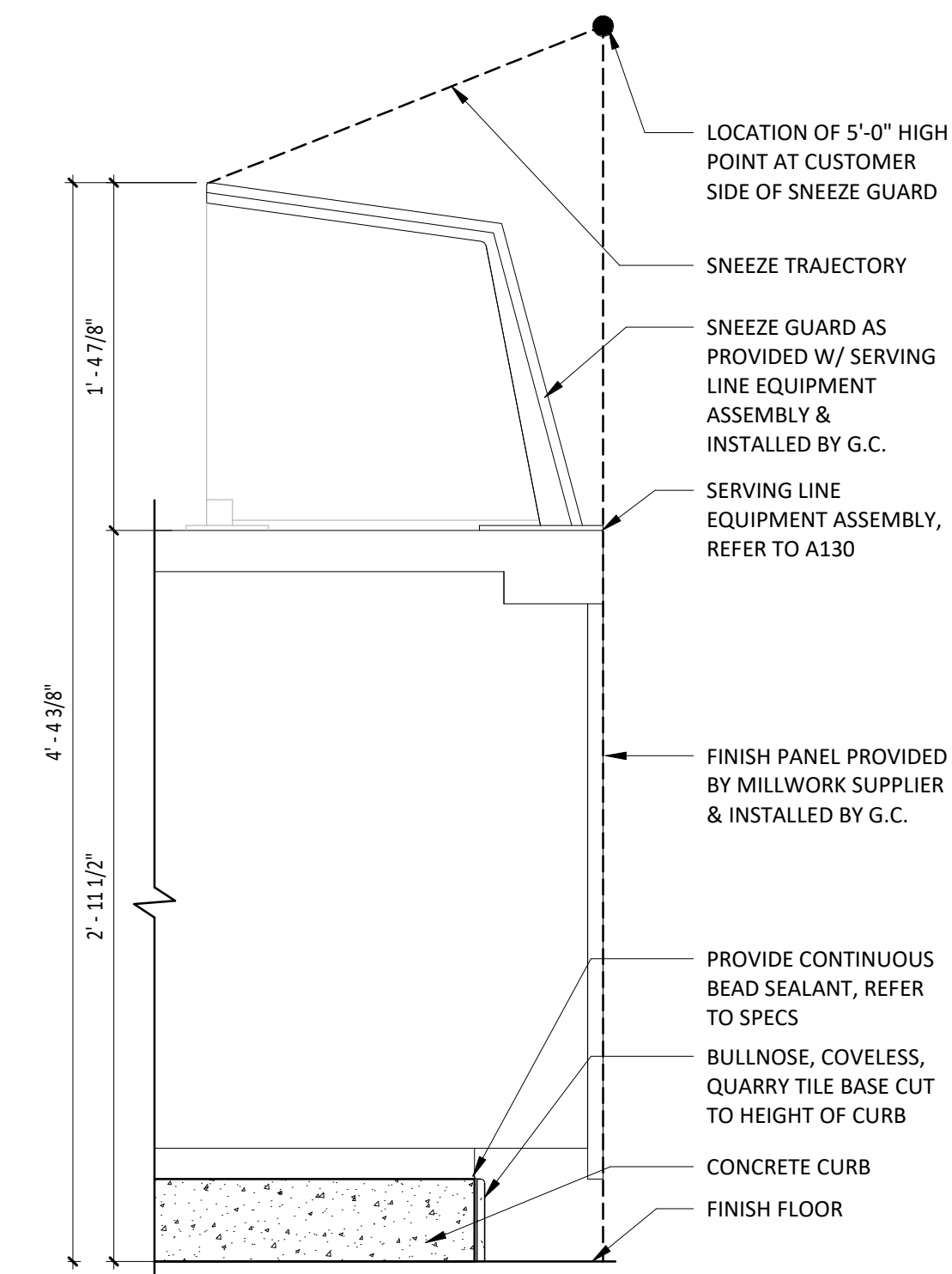
**5** DETAIL @ FRP TO COOLER CLOSER STRIP  
SCALE: 3" = 1'-0"



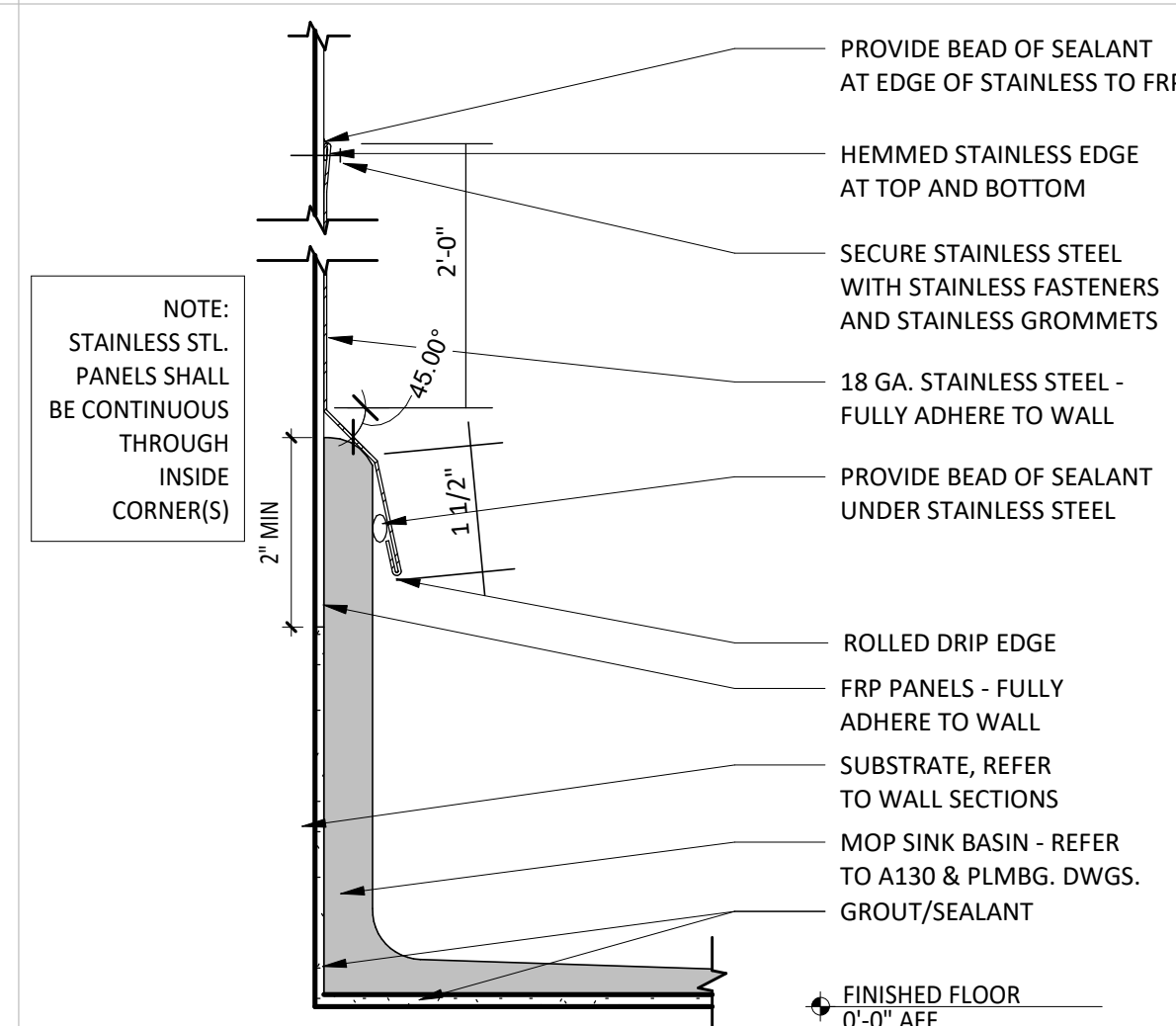
**6** DETAIL @ RESTROOM FRP INSIDE CORNER  
SCALE: 6" = 1'-0"



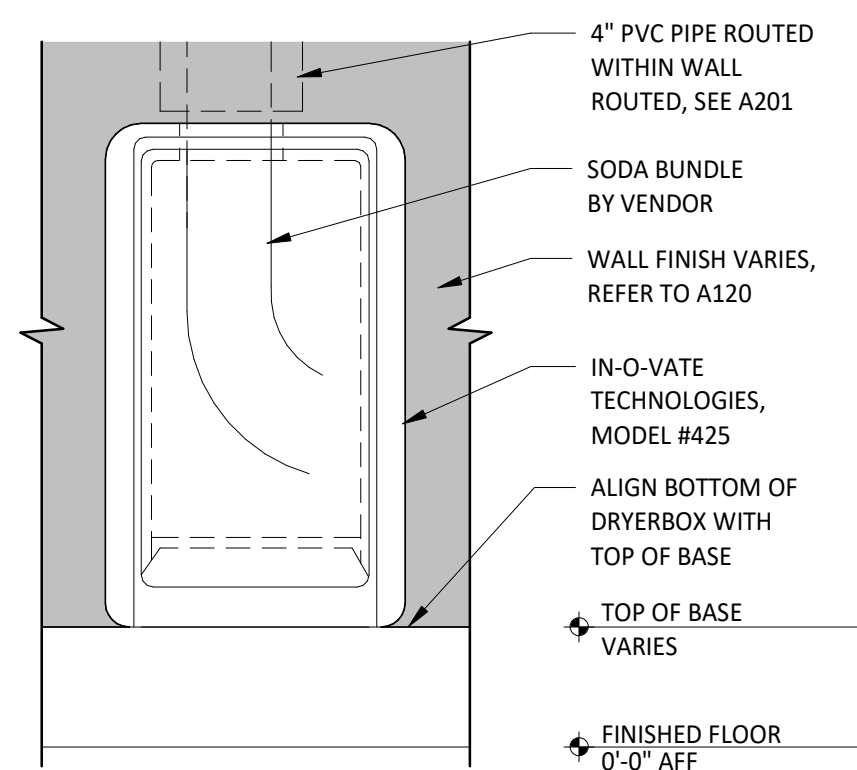
**9** DETAIL @ ACCESSIBLE TABLE  
SCALE: 3/4" = 1'-0"



**10** DETAIL @ SERVELINE SNEEZE GUARD  
SCALE: 1 1/2" = 1'-0"



**8** SECTION @ MOP SINK  
SCALE: 6" = 1'-0"



**11** ELEVATION @ SODA CHASE (DRYER BOX)  
SCALE: 1 1/2" = 1'-0"

CONSULTANT:  
**WILKUS ARCHITECTS**

CLIENT:  
**CHIPOTLE MEXICAN GRILL**

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PROJECT INFORMATION:  
STORE NO.: #5307  
"CLOCKTOWER COMMONS"  
CROSTOWN BLVD NW & HANSON  
BLVD NW  
ANDOVER, MN 55304

SEAL:  
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.  
Matthew M. Wilkus, LICENSE # 54678  
DATE: November 12, 2024

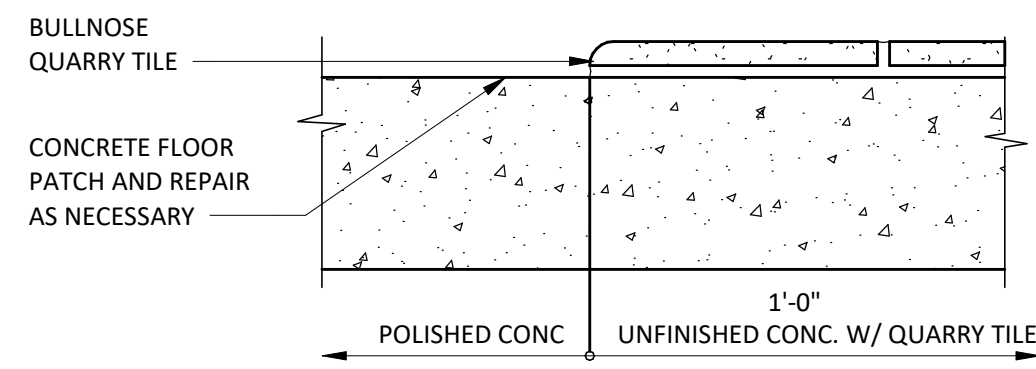
PROJECT NO. 2023-0519  
DRAWN BY TRC  
CHECKED BY DRL

ISSUE RECORD:  
06/03/2024 PERMIT SET  
08/20/2024 BID SET  
11/12/2024 CONSTRUCTION SET

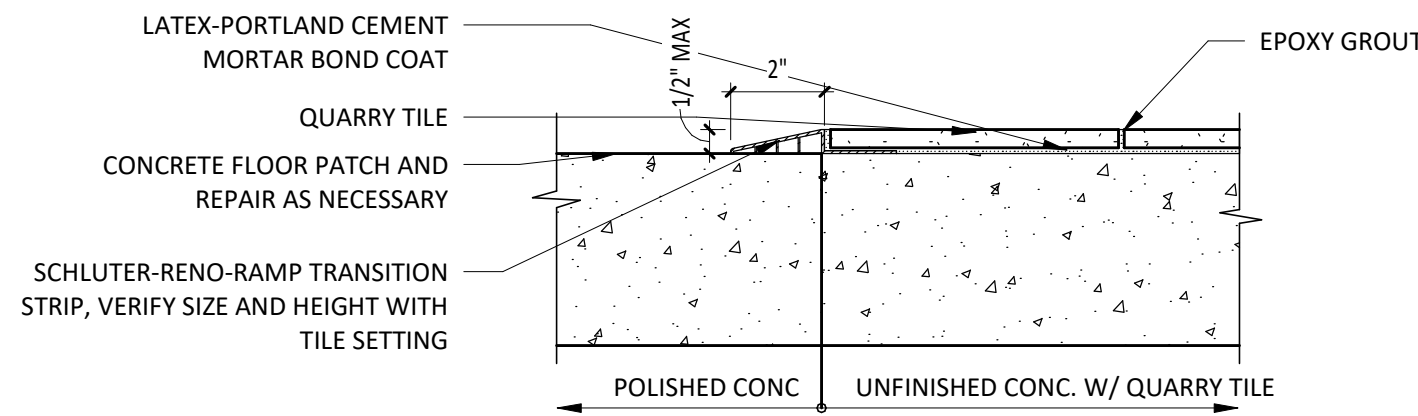
REVISIONS:

TITLE:  
**FINISH DETAILS - GENERAL**

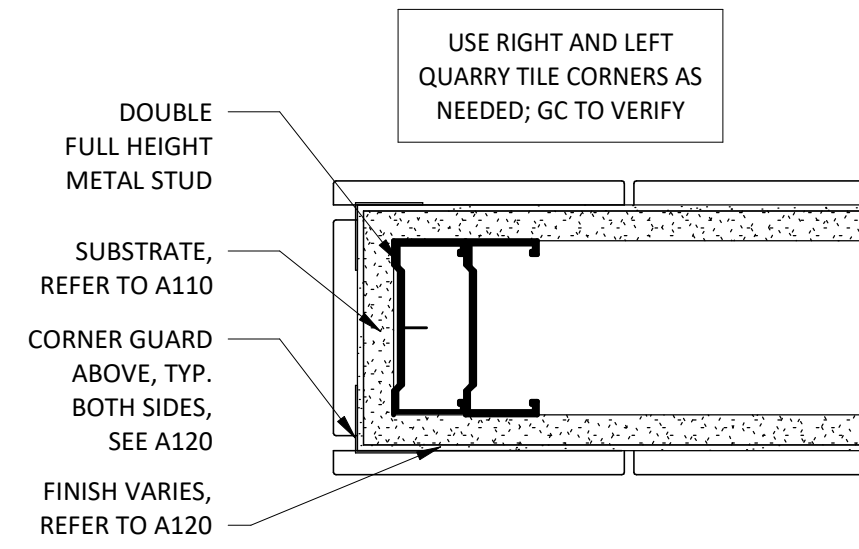
SHEET NUMBER:  
**A801**



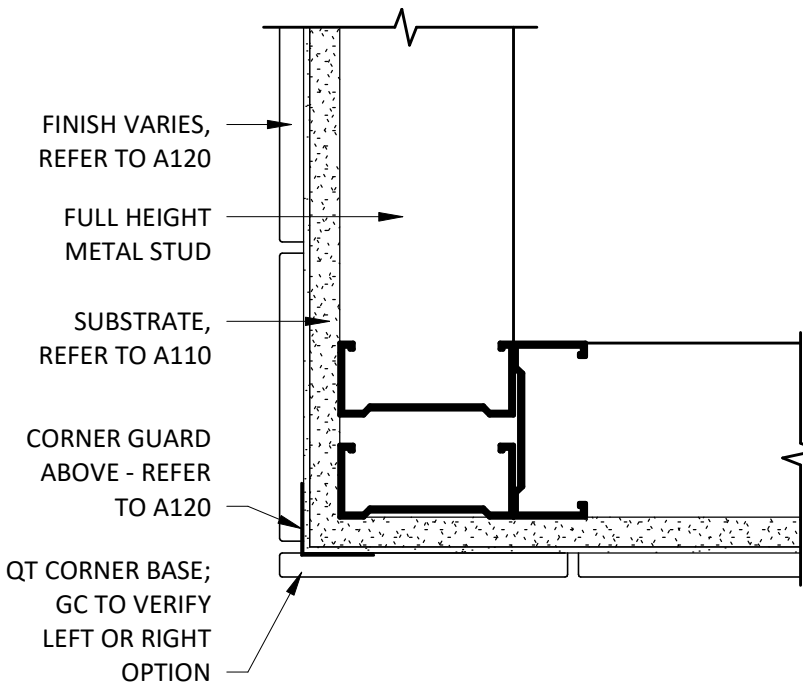
**1 FLOOR TRANSITION @ READY TO DRINK**  
SCALE: 3" = 1'-0"



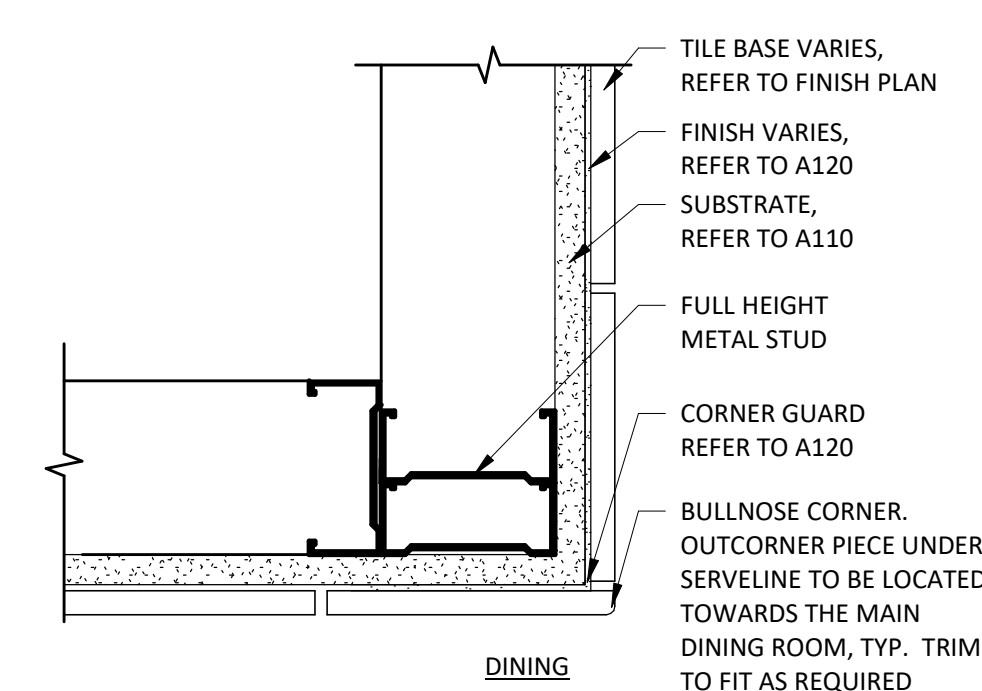
**2 FLOOR TRANSITION @ RAMP**  
SCALE: 3" = 1'-0"



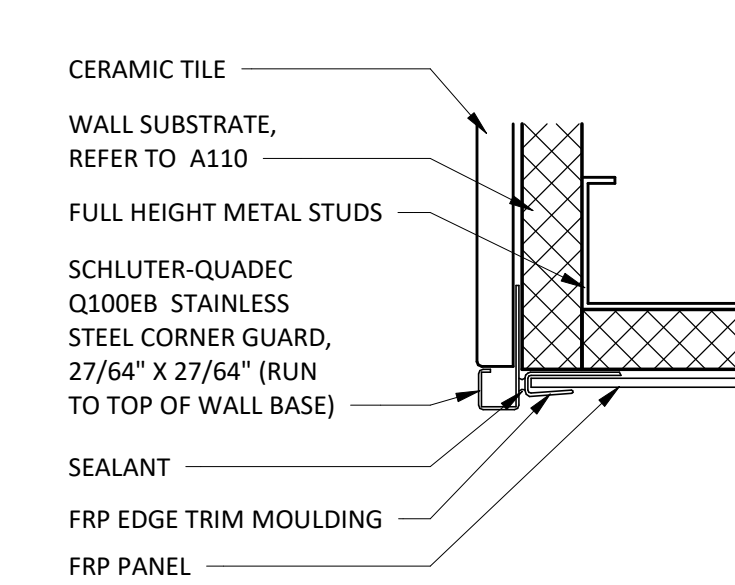
**3 QT BASE - ENDCAP**  
SCALE: 3" = 1'-0"



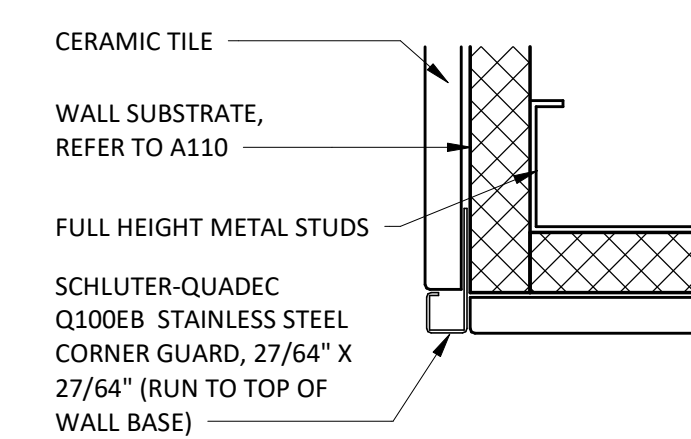
**4 QT BASE - OUTSIDE CORNER - (KITCHEN)**  
SCALE: 3" = 1'-0"



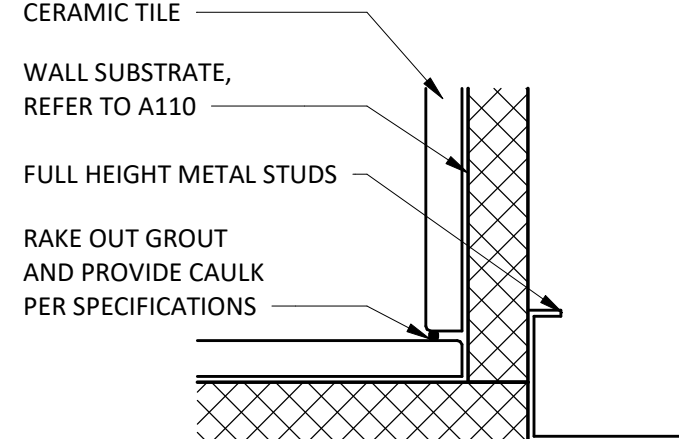
**5 QT BASE - OUTSIDE CORNER (DINING)**  
SCALE: 3" = 1'-0"



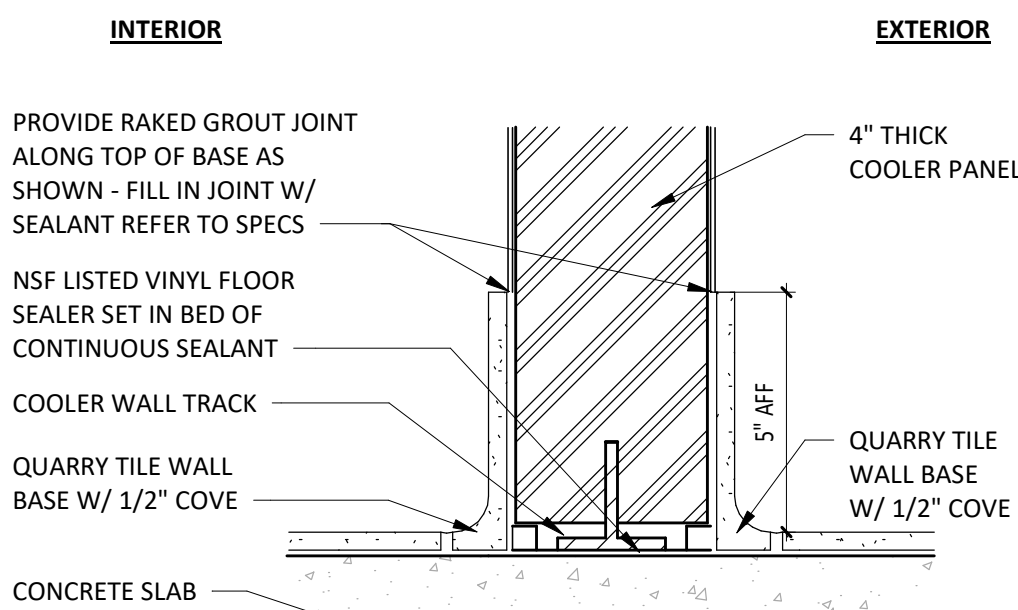
**6 TILE TO FRP OUTSIDE CORNER**  
SCALE: 6" = 1'-0"



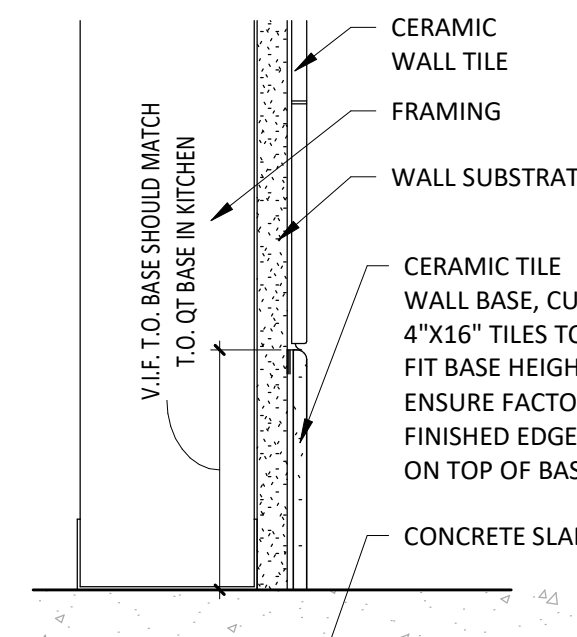
**7 TILE TO TILE OUTSIDE CORNER**  
SCALE: 6" = 1'-0"



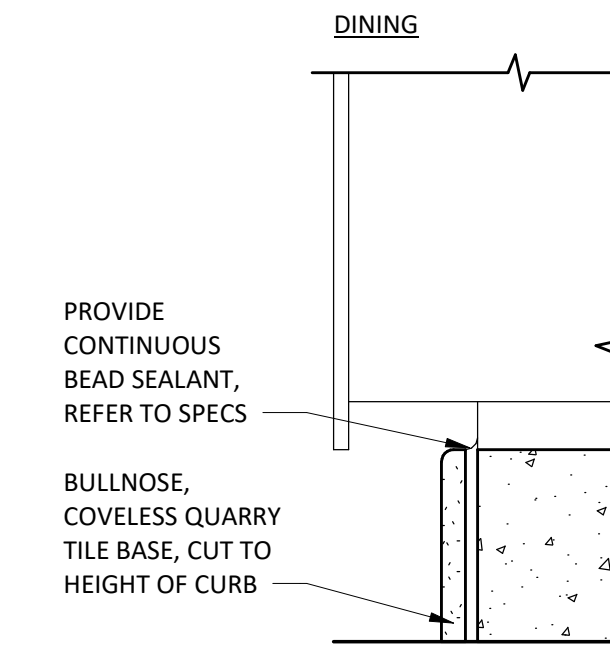
**8 TILE TO TILE INSIDE CORNER**  
SCALE: 6" = 1'-0"



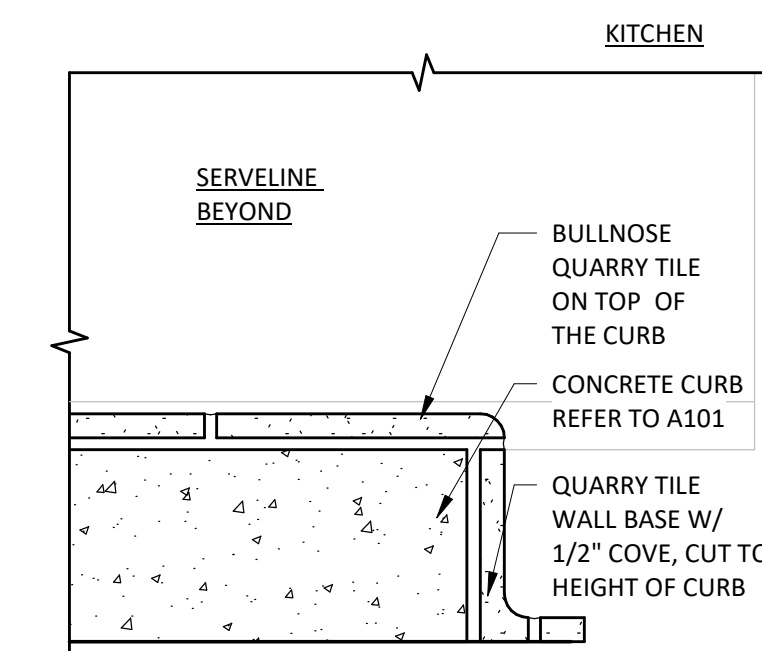
**9 QT BASE @ COOLER**  
SCALE: 3" = 1'-0"



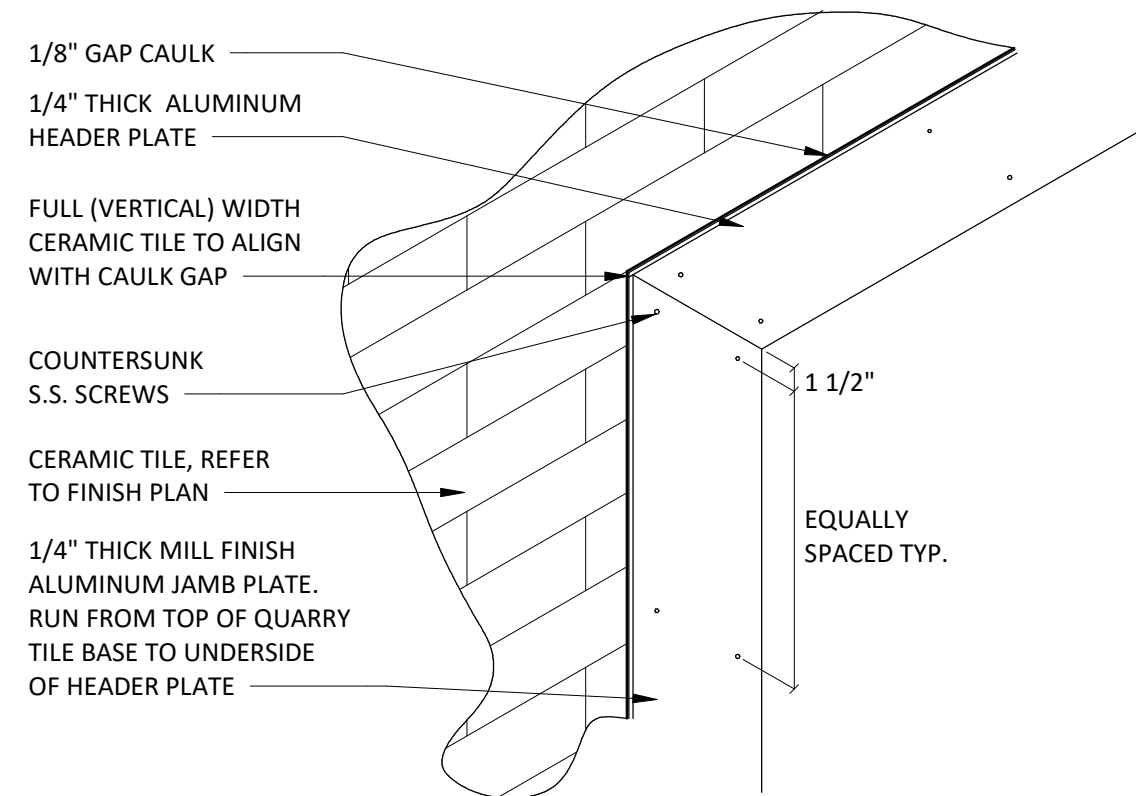
**10 QT BASE @ CONCRETE**  
SCALE: 3" = 1'-0"



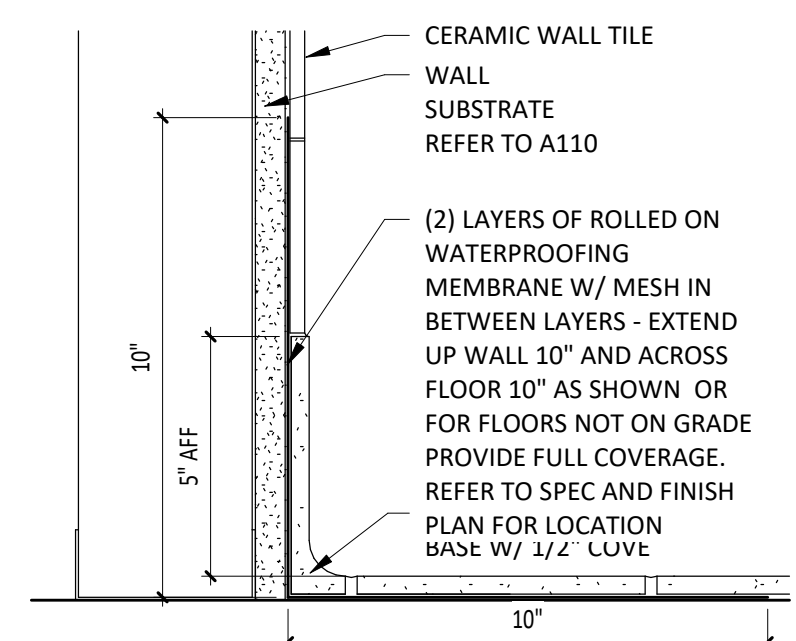
**11A QT @ CURB**  
SCALE: 3" = 1'-0"



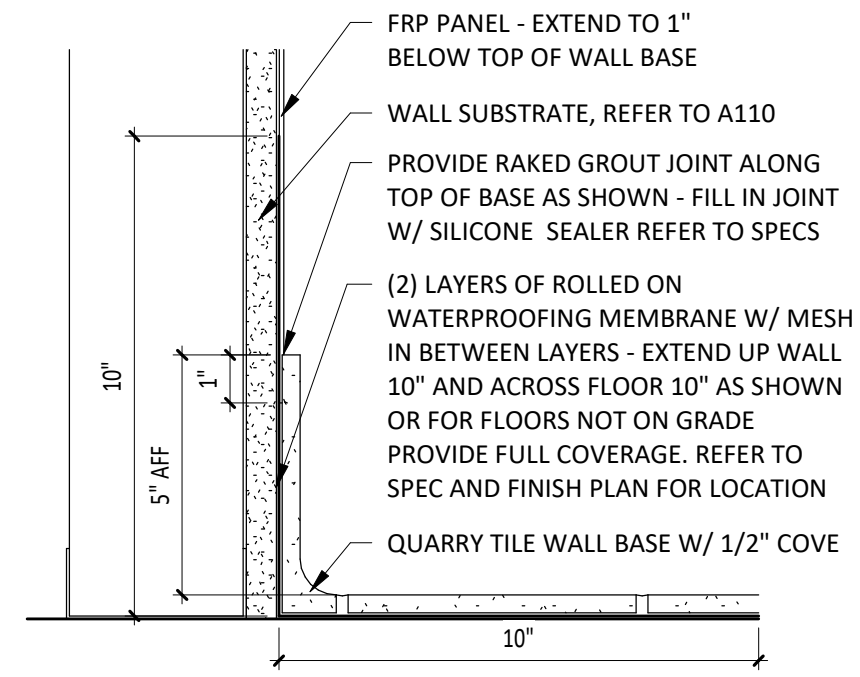
**11B QT @ CURB**  
SCALE: 3" = 1'-0"



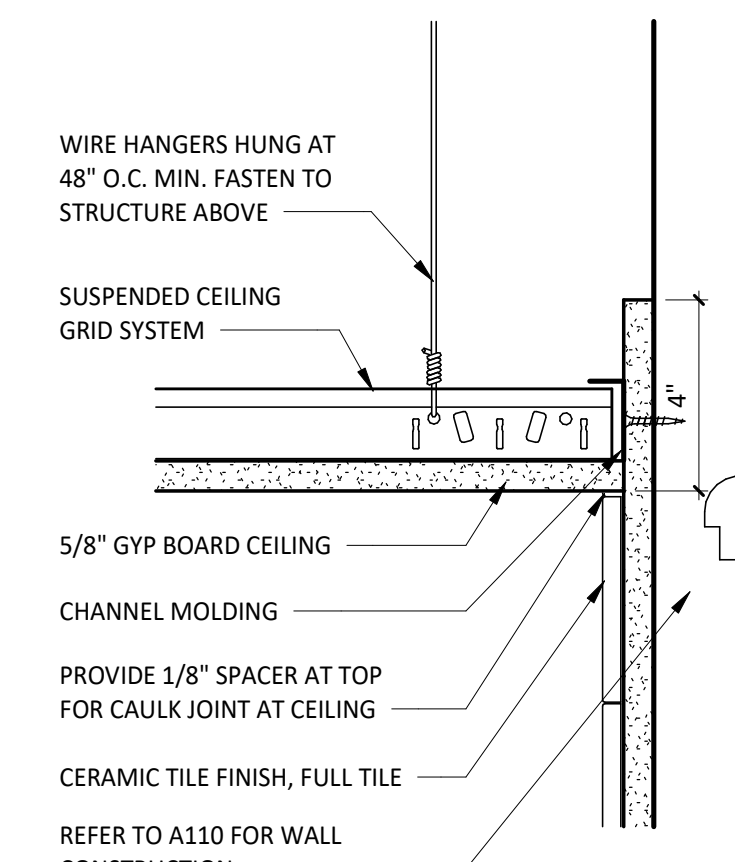
**12 TILE DETAIL @ ALUMNINUM PLATE HEADER**  
SCALE: 1" = 1'-0"



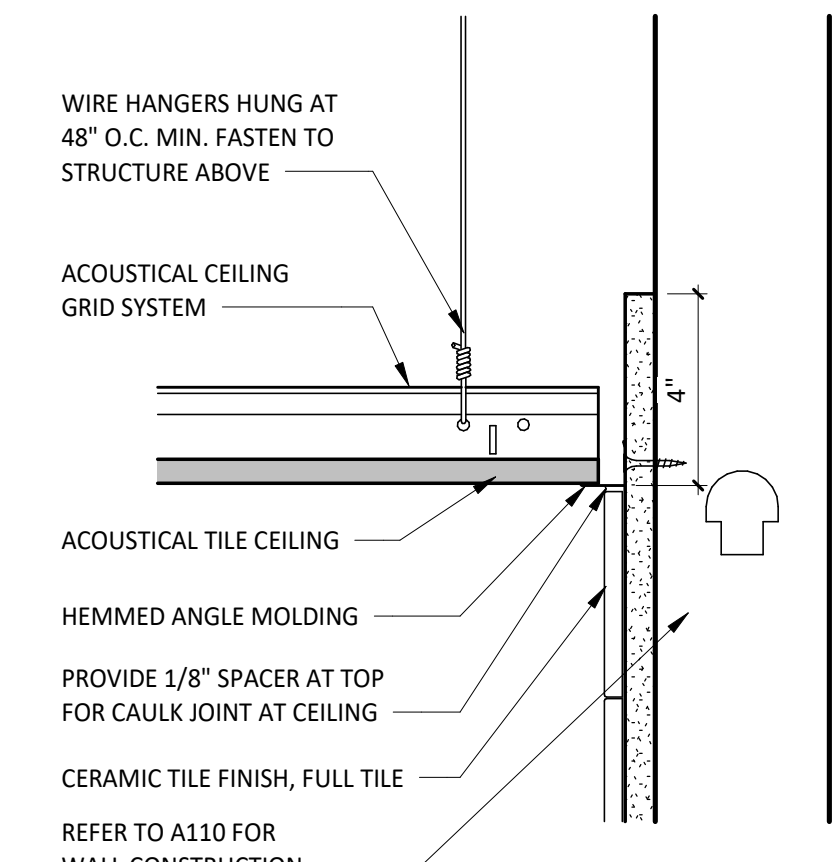
**13 QT BASE @ CERAMIC TILE**  
SCALE: 3" = 1'-0"



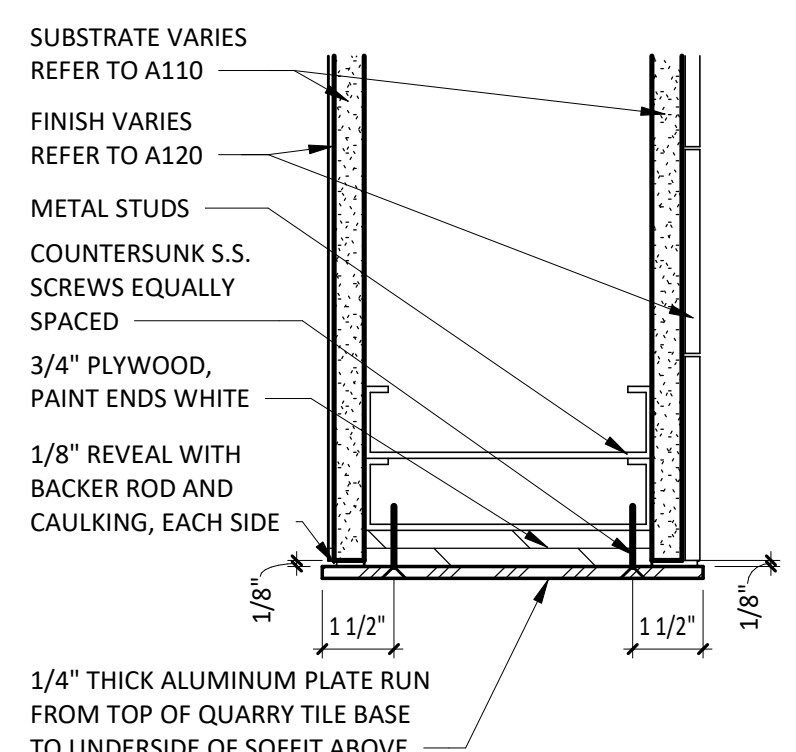
**14 QT BASE @ FRP**  
SCALE: 3" = 1'-0"



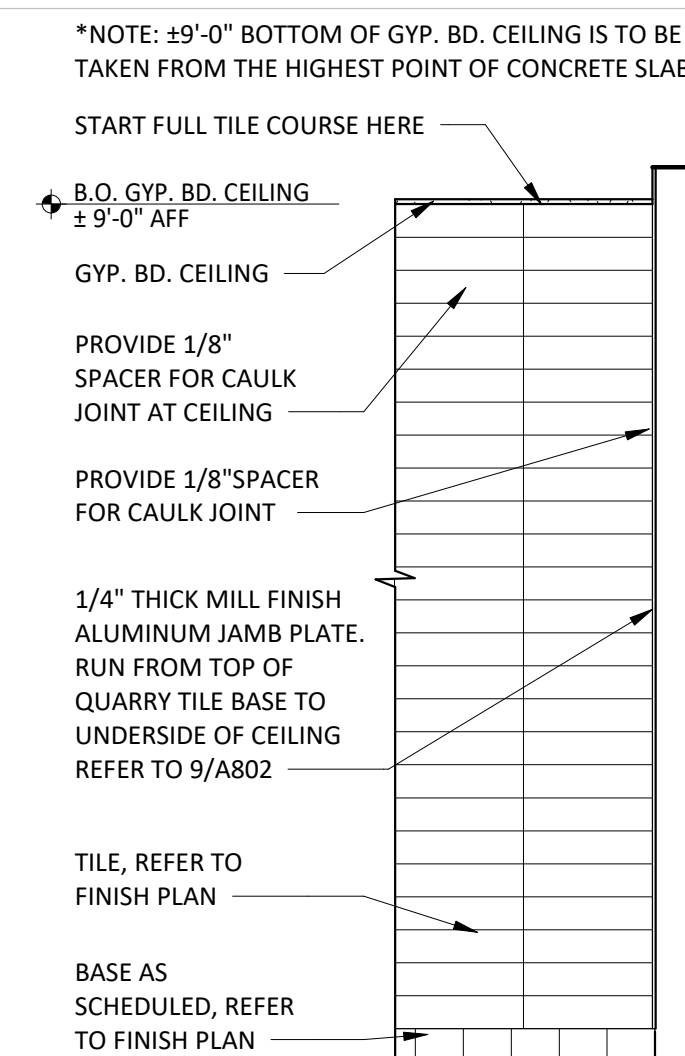
**15 TILE DETAIL @ GYP BD CEILING**  
SCALE: 3" = 1'-0"



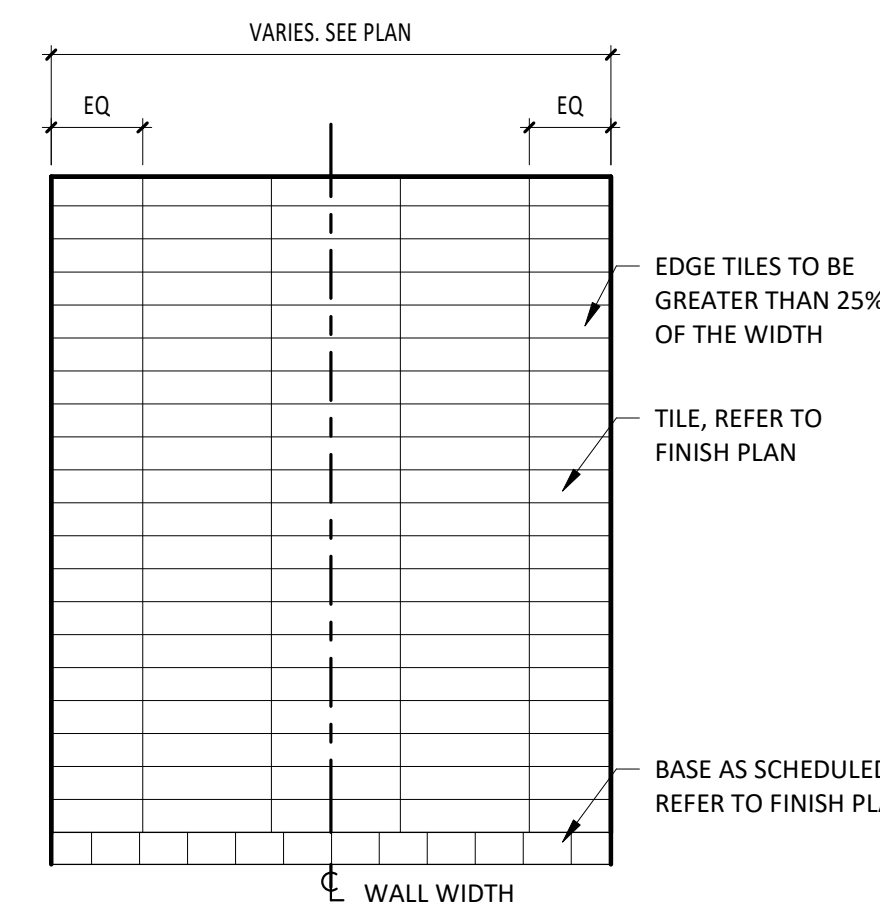
**16 TILE DETAIL @ SUSPENDED CEILING**  
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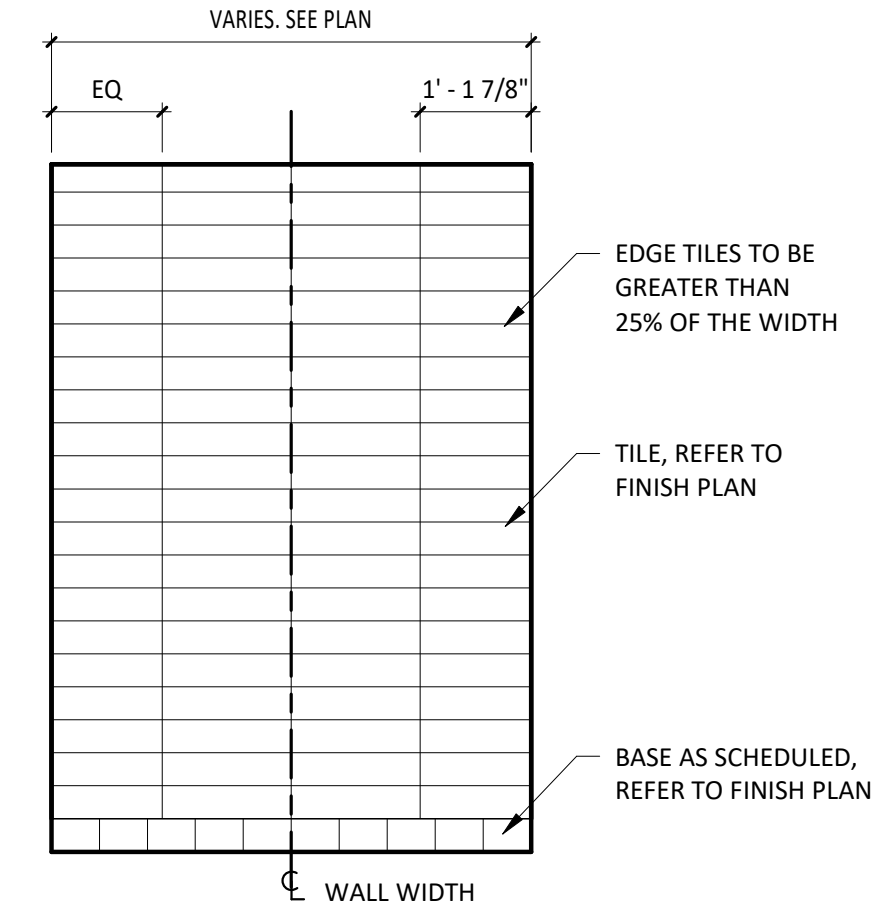
**17 ALUMINUM PLATE @ JAMB/HEAD/SILL**  
SCALE: 3" = 1'-0"



**18 KITCHEN WALL ENDCAP TILE LAYOUT**  
SCALE: 1/2" = 1'-0"



**19 TILE CENTERED LAYOUT**  
SCALE: 1/2" = 1'-0"



**20 JOINT CENTERED LAYOUT**  
SCALE: 1/2" = 1'-0"



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COLUMBUS, OH 43218-2966  
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PROJECT INFORMATION:

STORE NO.: #5307  
"CLOCKTOWER COMMONS"  
CROSSTOWN BLVD NW & HANSON  
BLVD NW  
ANDOVER, MN 55304

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.

Matthew M. Wilkus, LICENSE # 54678  
*Matthew M. Wilkus*

DATE: November 12, 2024

PROJECT NO. 2023-0519  
DRAWN BY TRC  
CHECKED BY DRL

ISSUE RECORD:  
06/03/2024 PERMIT SET  
08/20/2024 BID SET  
11/12/2024 CONSTRUCTION SET

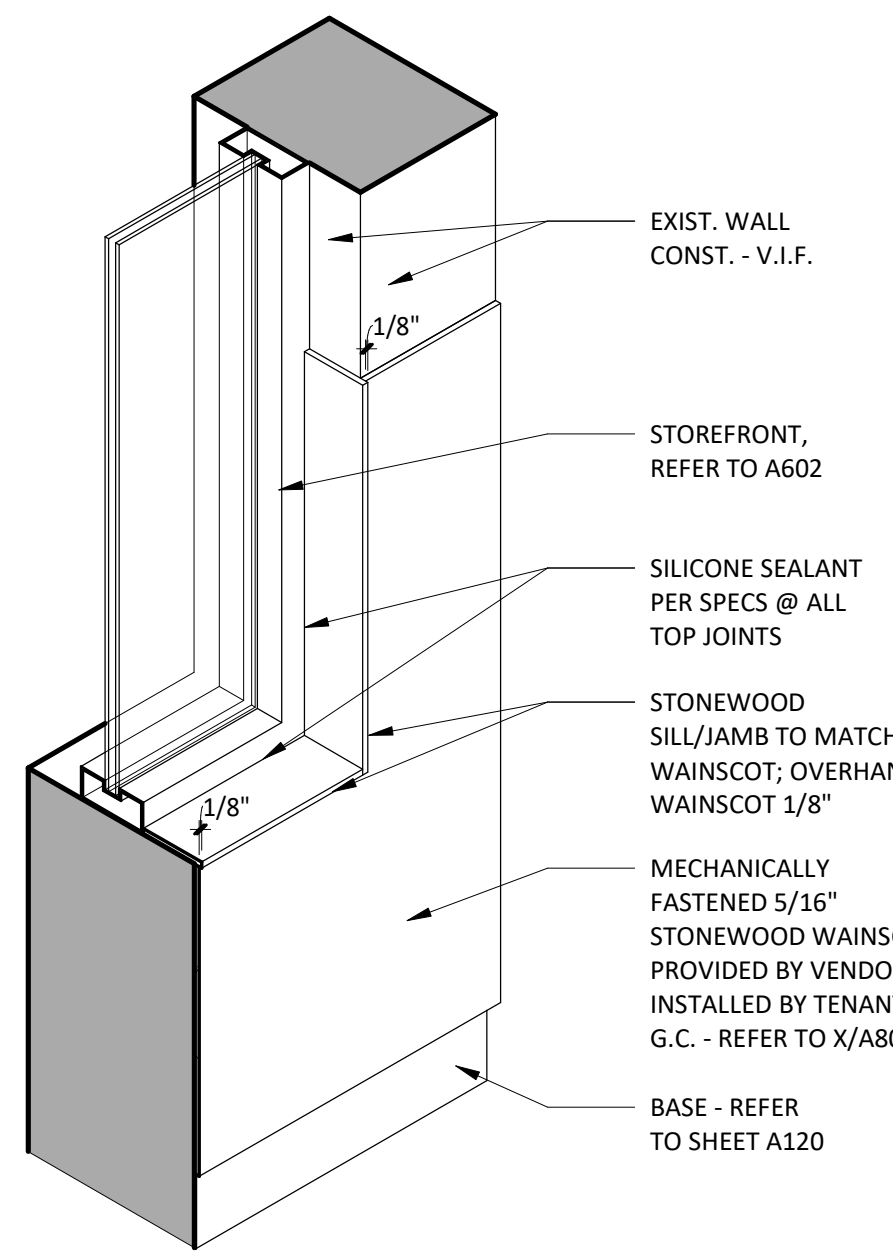
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TITLE:  
FINISH DETAILS - TILE

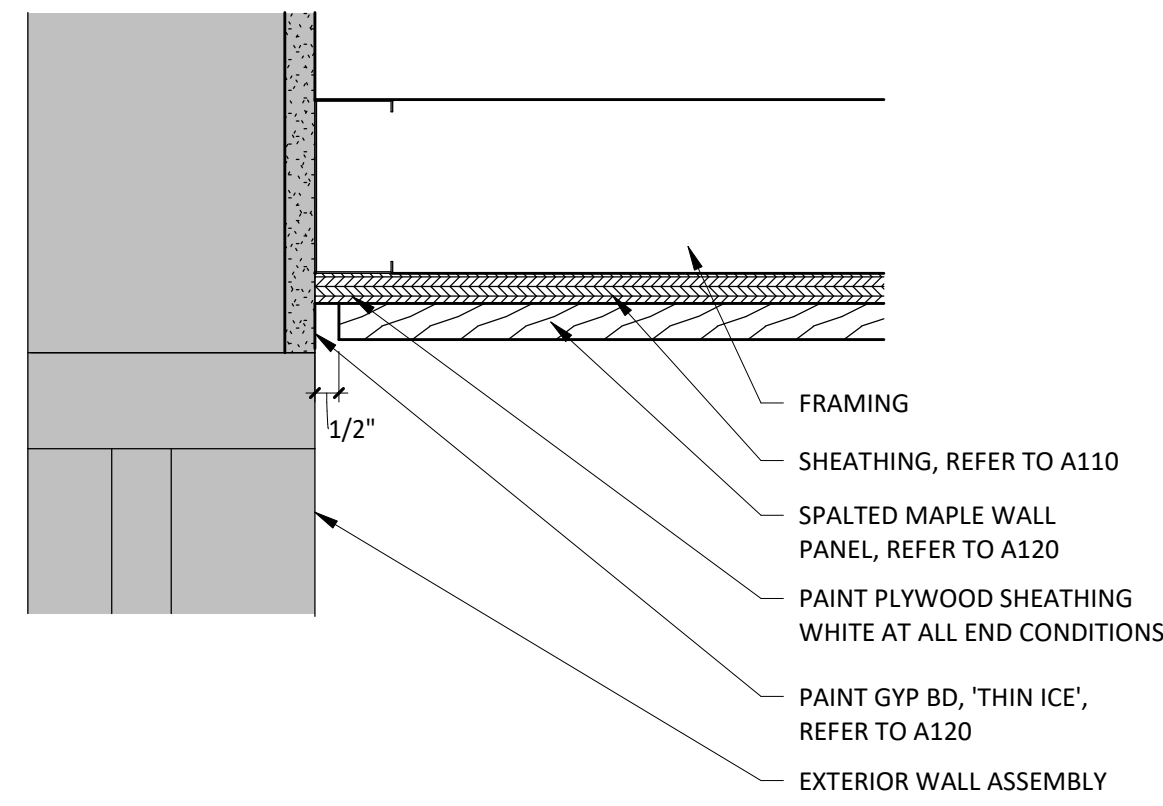
SHEET NUMBER:

A802

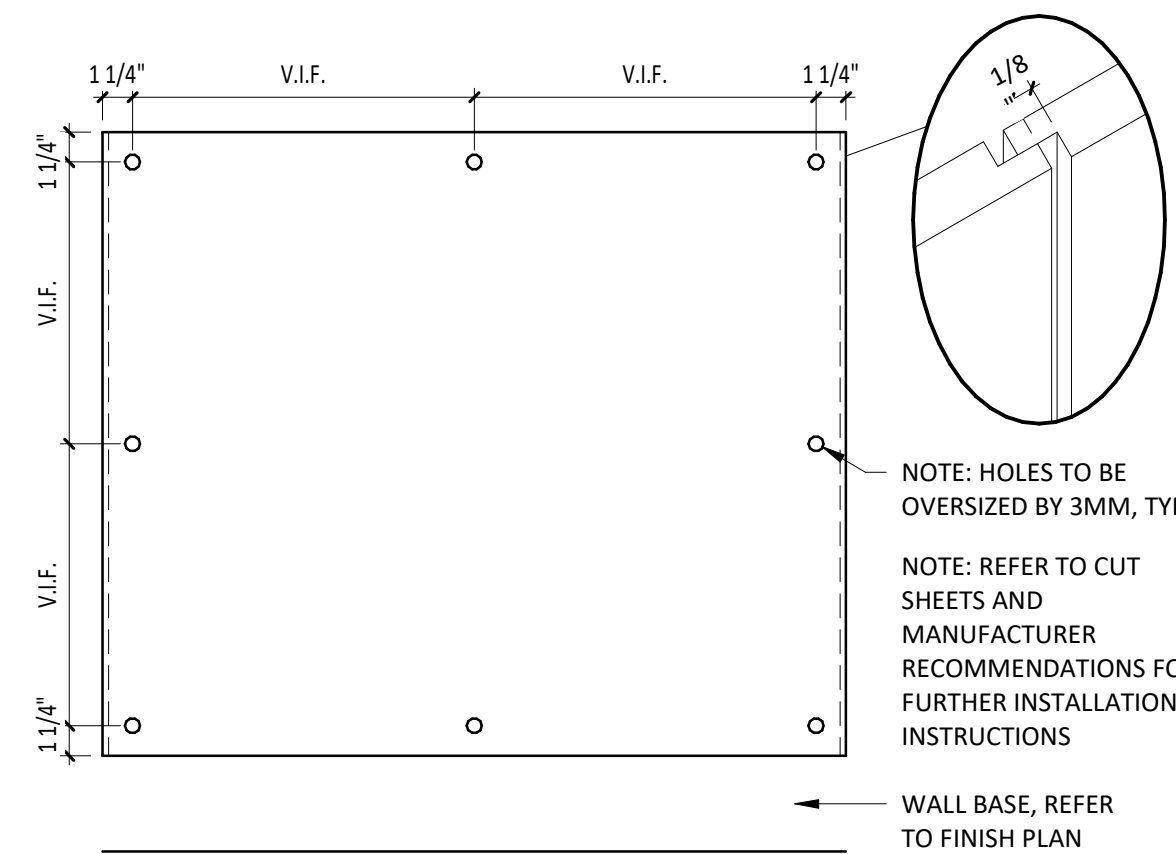




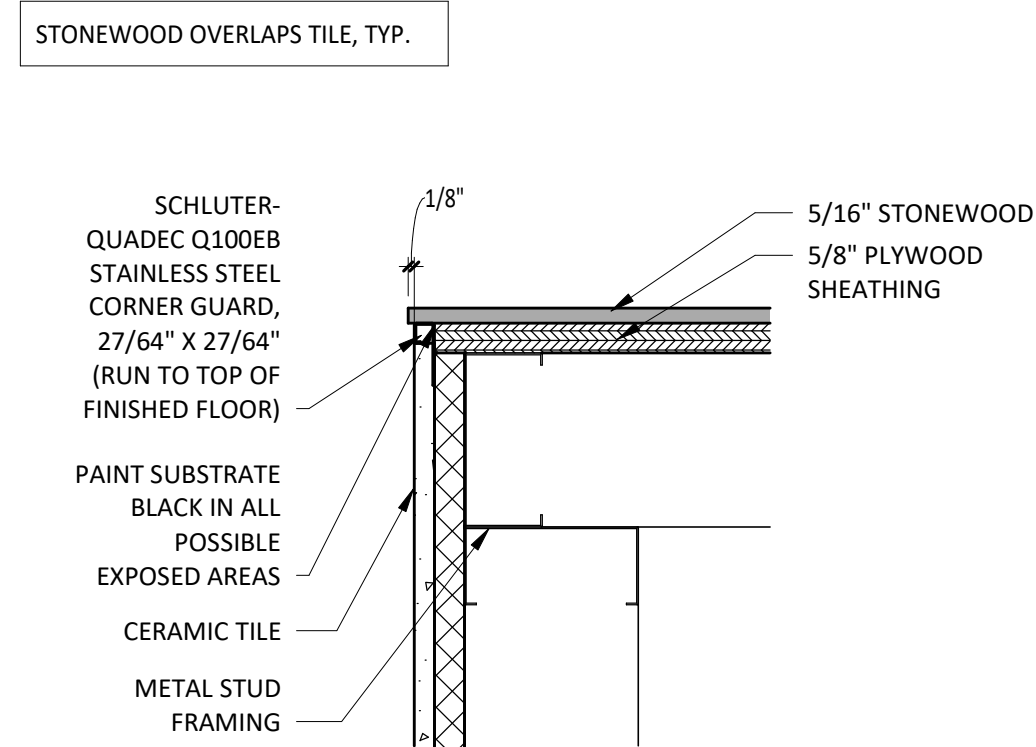
**5 SECTION @ WAINSCOT SILL / JAMB**  
SCALE: 1" = 1'-0"



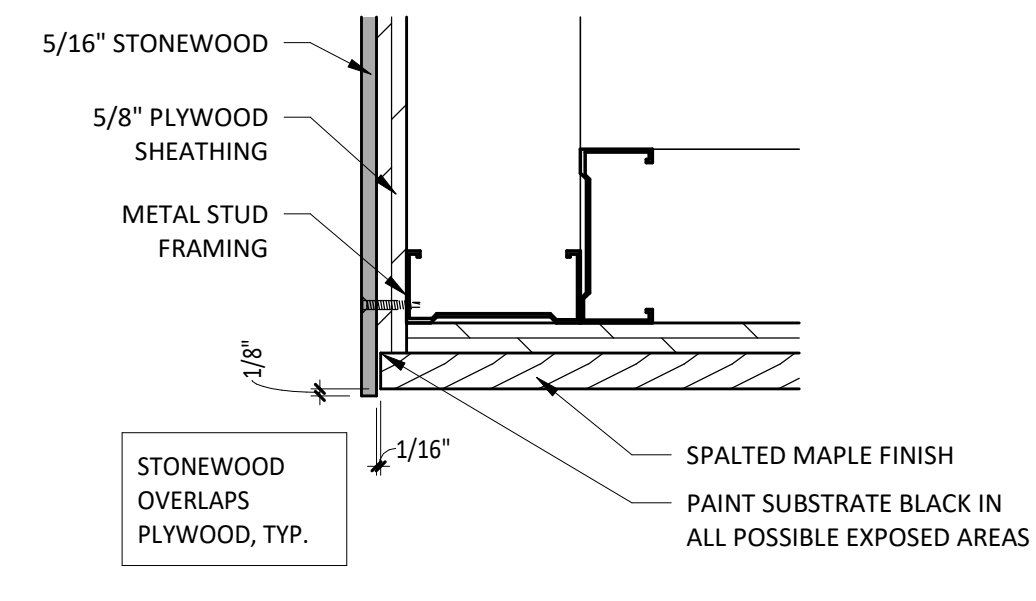
**1 DETAIL @ WOOD END CONDITION**  
SCALE: 3" = 1'-0"



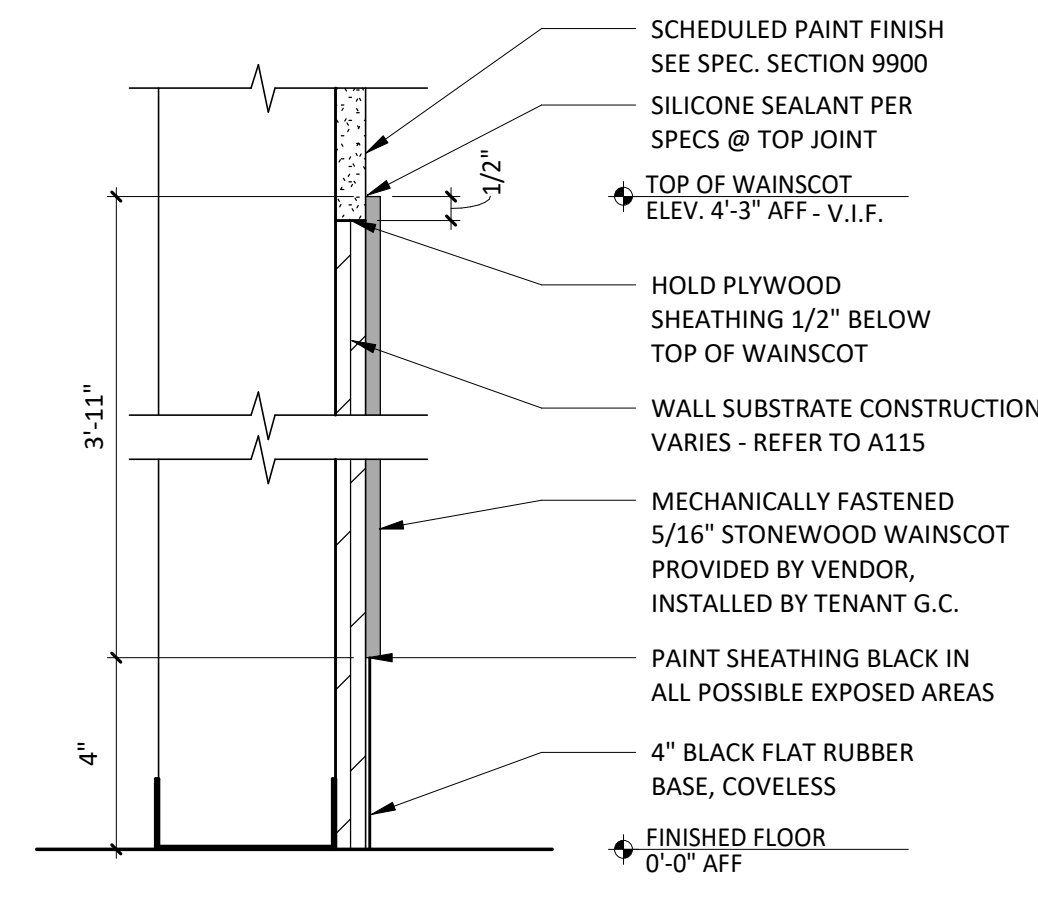
**6 WAINSCOT DETAILS**  
SCALE: 1 1/2" = 1'-0"



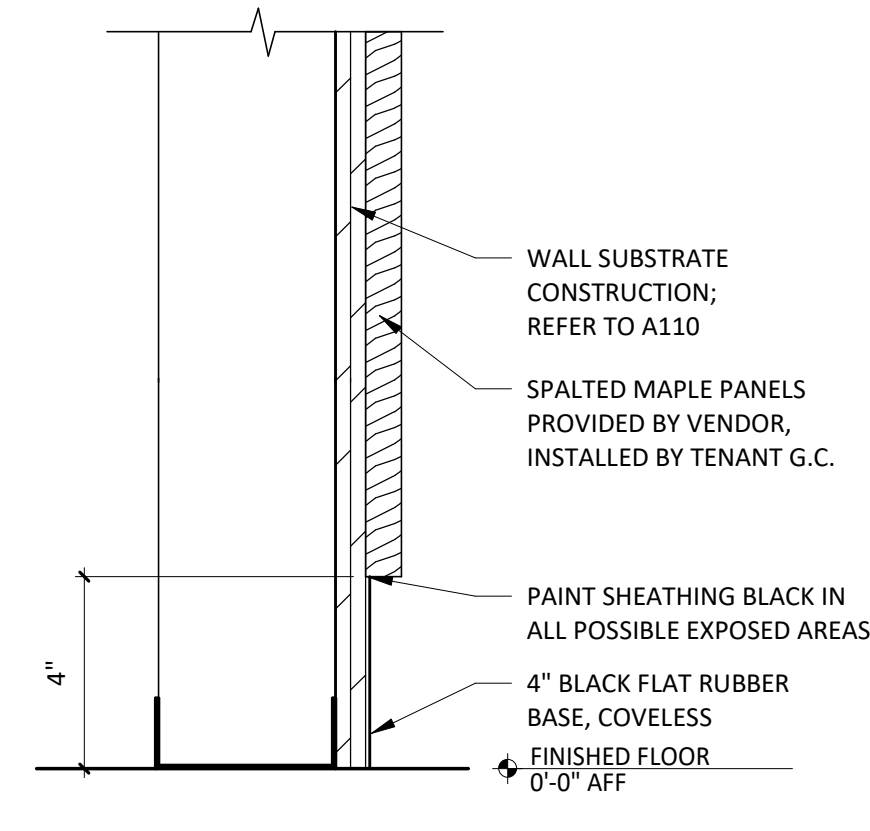
**2 DETAIL @ STONewood TO TILE CORNER**  
SCALE: 3" = 1'-0"



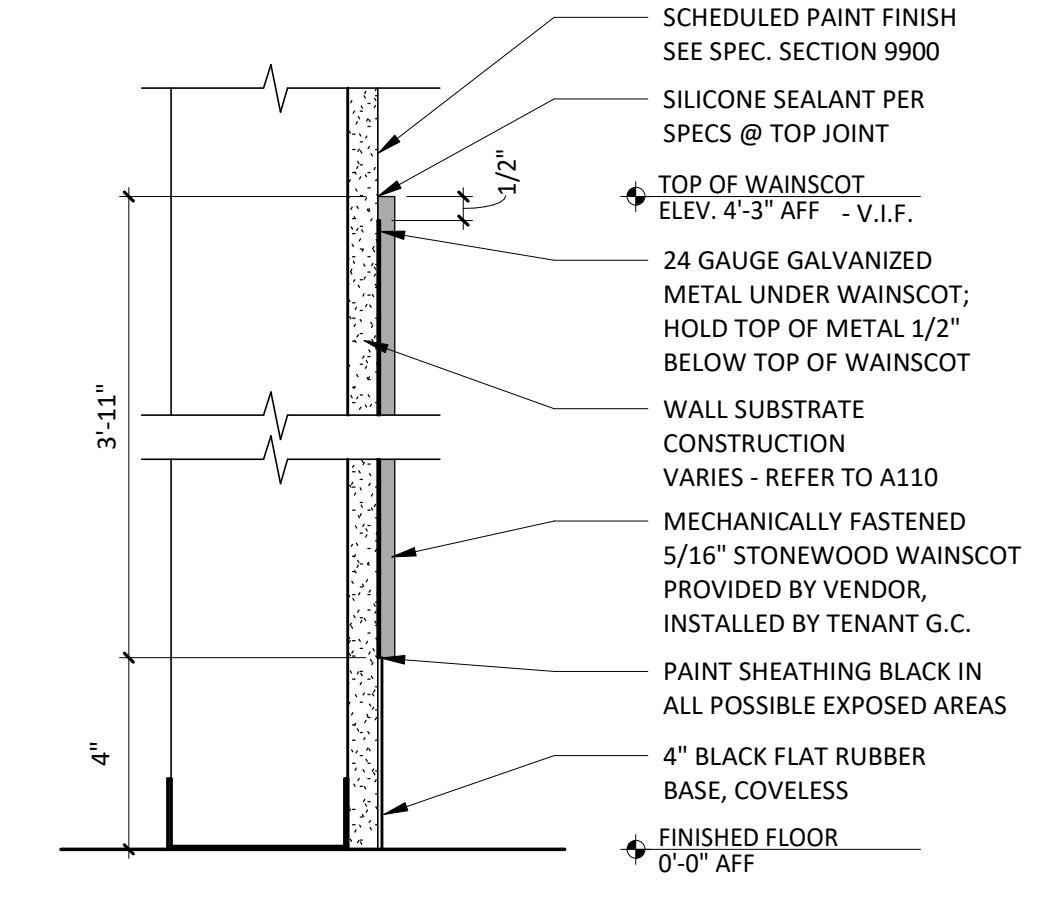
**7 DETAIL @ WOOD TO STONewood CNR.**  
SCALE: 3" = 1'-0"



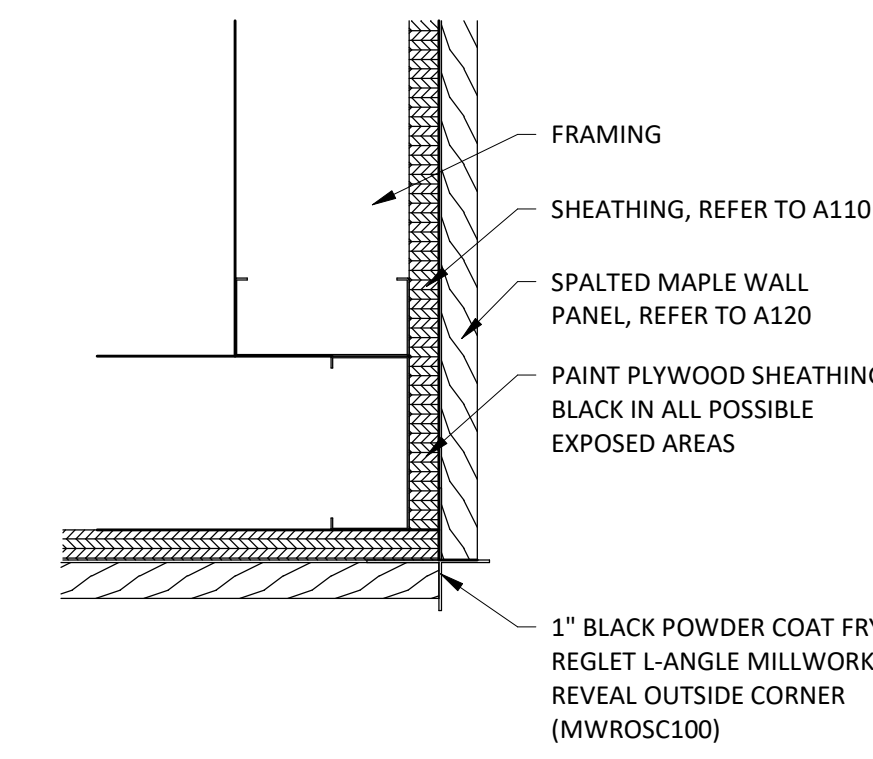
**3 SECTION @ WAINSCOT**  
SCALE: 3" = 1'-0"



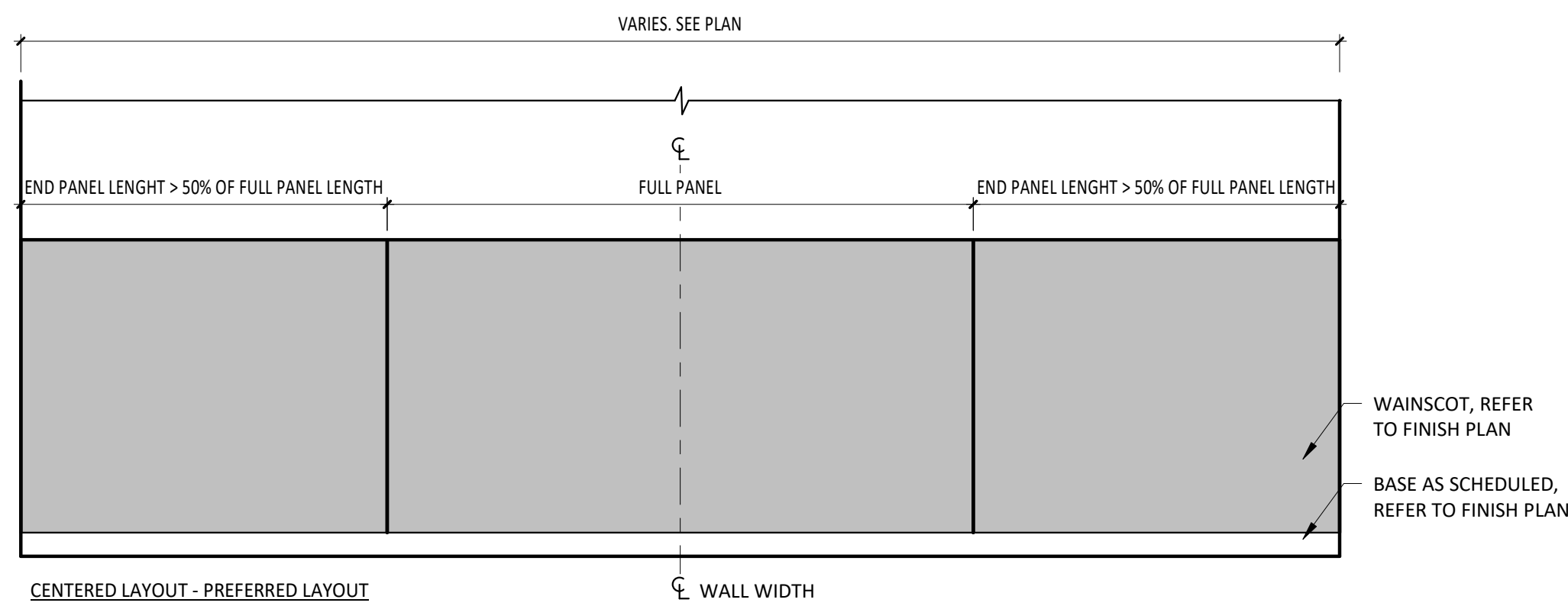
**8 SECTION @ SPALTED MAPLE**  
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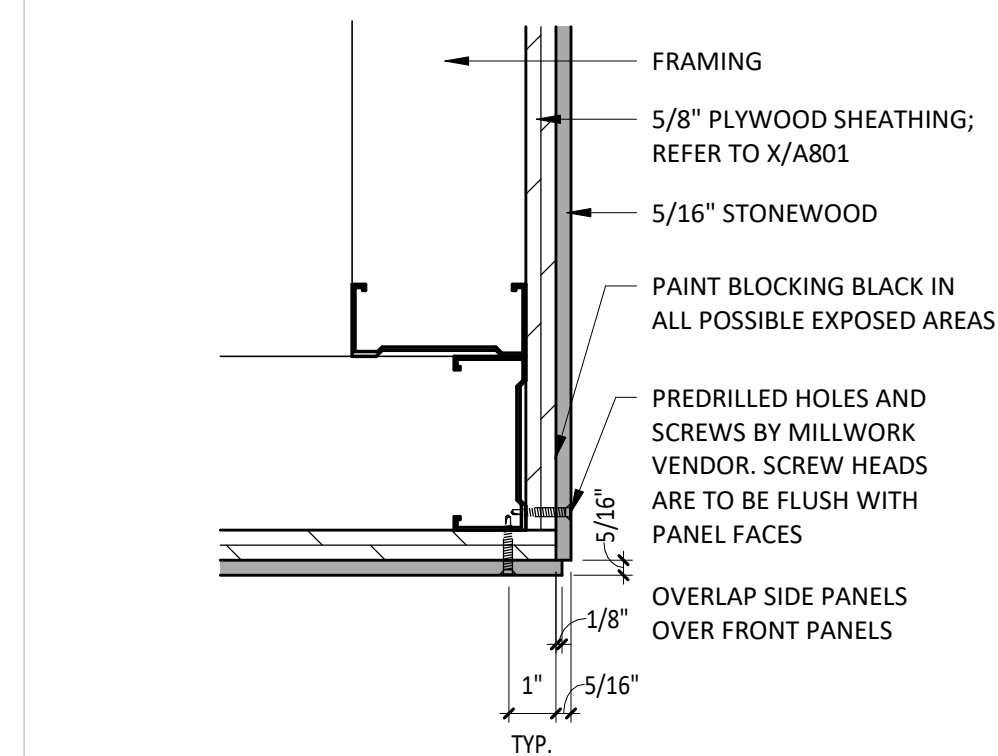
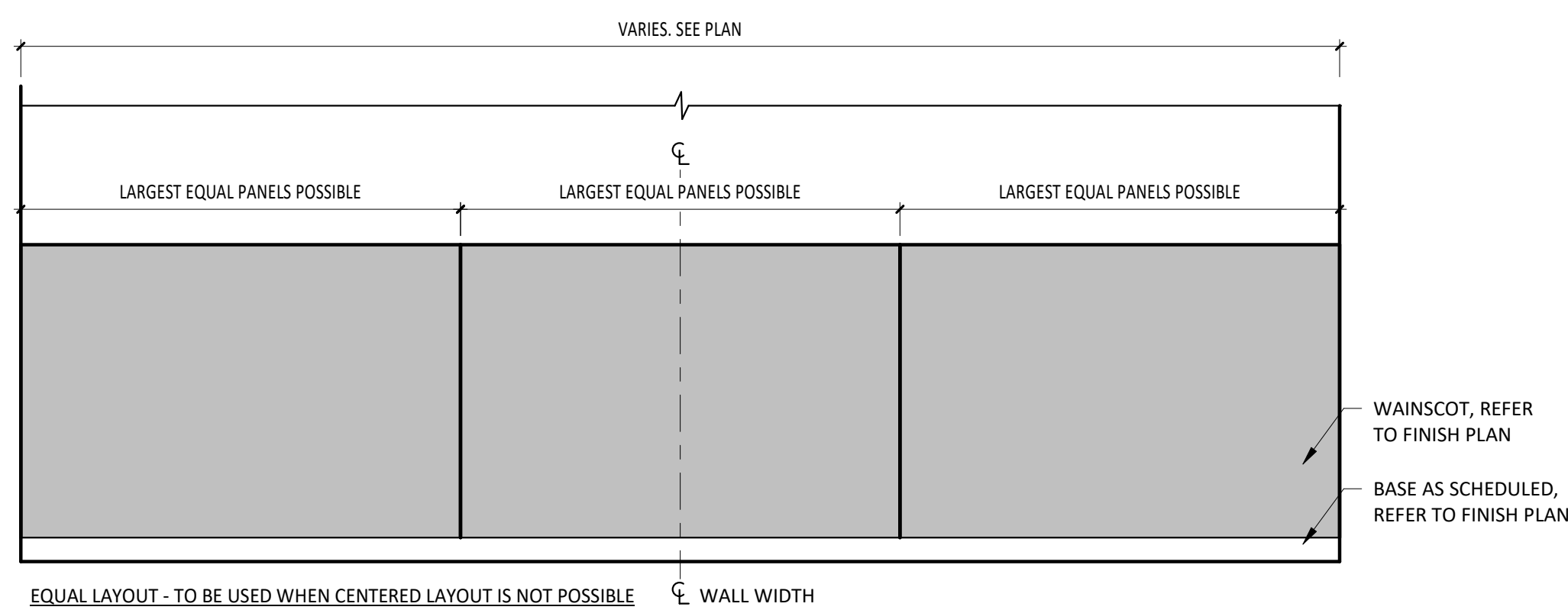
**4 SECTION @ WAINSCOT**  
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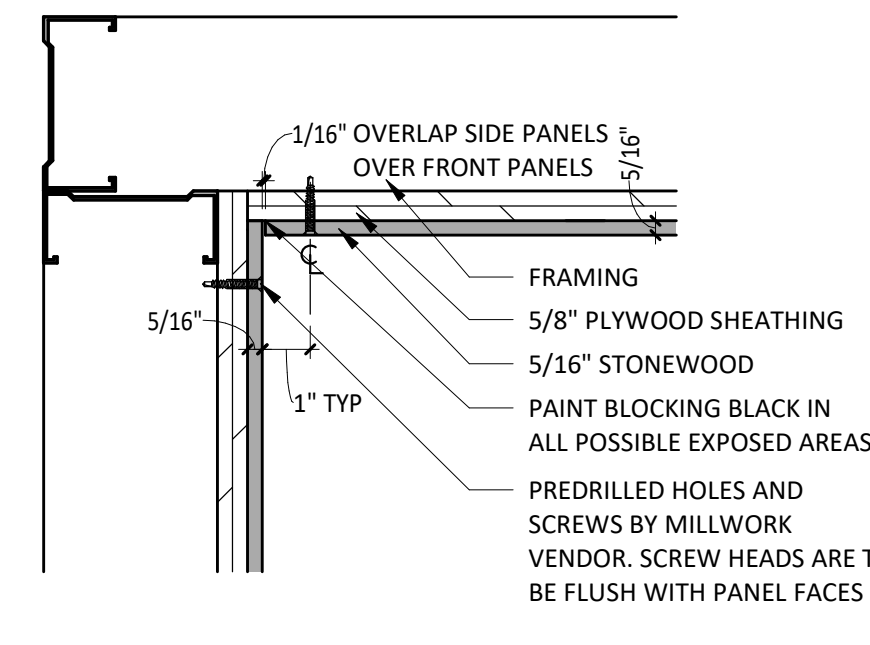
**9 DETAIL @ WOOD TO WOOD CORNER**  
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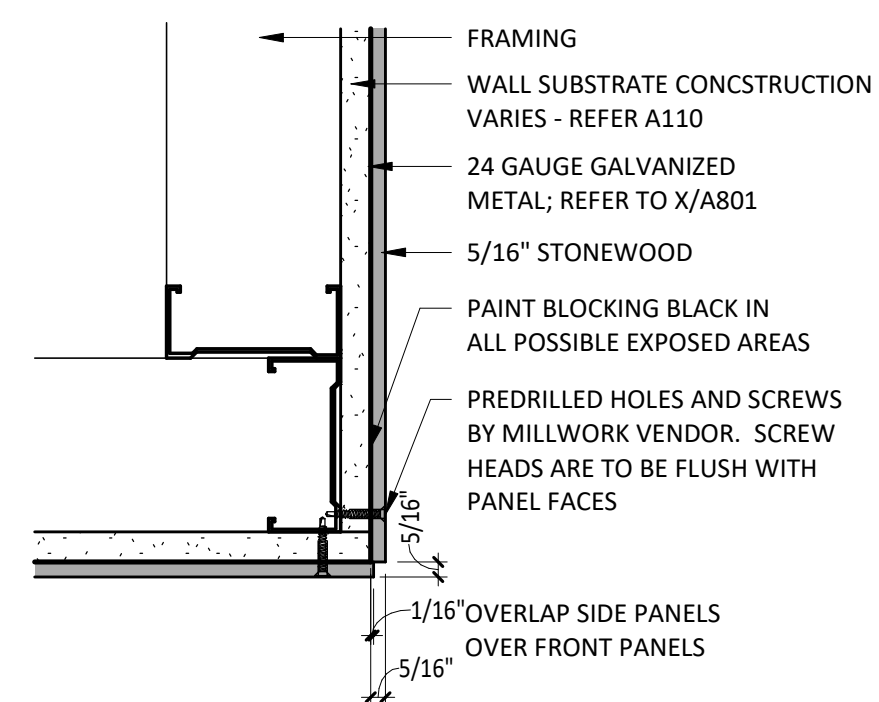
**12 WAINSCOT LAYOUT**  
SCALE: 1/2" = 1'-0"



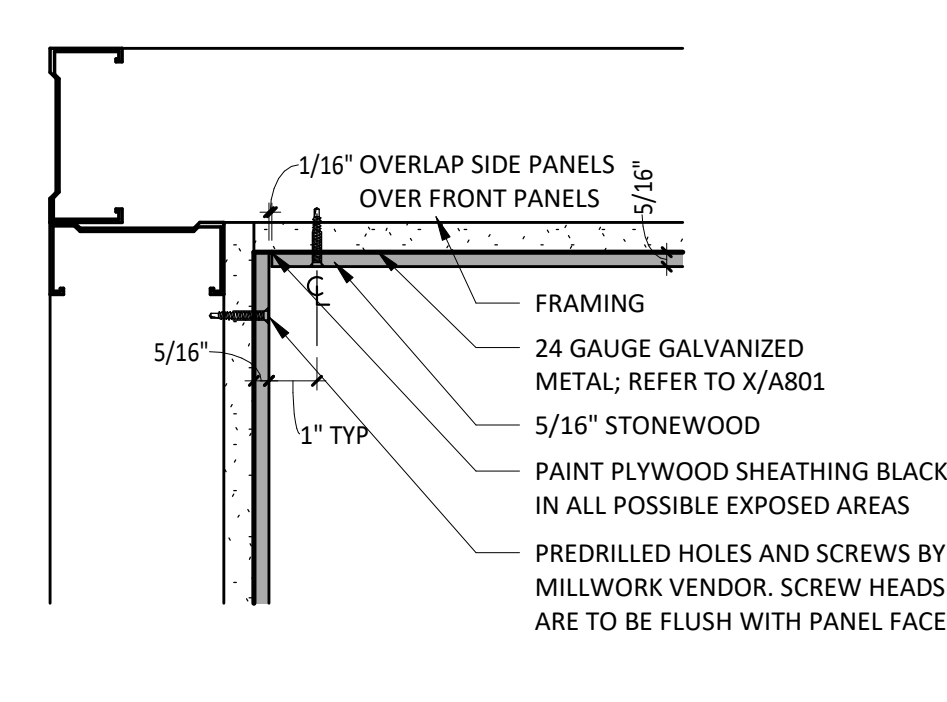
**10 DETAIL @ TYP. WAINSCOT CORNER**  
SCALE: 3" = 1'-0"



**11 DETAIL @ TYP. WAINSCOT INSIDE CNR.**  
SCALE: 3" = 1'-0"



**13 DETAIL @ TYP. WAINSCOT CORNER**  
SCALE: 3" = 1'-0"



**14 DETAIL @ TYP. WAINSCOT INSIDE CORNER**  
SCALE: 3" = 1'-0"



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ANDOVER, MN 55304

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I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.  
Matthew M. Wilkus, LICENSE # 54678  
DATE: November 12, 2024

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ISSUE RECORD:  
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11/12/2024 CONSTRUCTION SET

REVISIONS:

TITLE:  
FINISH DETAILS - WOOD  
SHEET NUMBER:  
A803

GENERAL STRUCTURAL NOTES

- 1 BUILDING CODE:**  
 1.1 THE 2020 MINNESOTA BUILDING CODE BASED ON THE 2018 INTERNATIONAL BUILDING CODE.
- 2 DESIGN LOADS:**  
 2.1 SHELL ENGINEER TO DETERMINE BUILDING DESIGN LOADS.  
 2.2 EQUIPMENT: ROOFTOP UNITS.....SEE PLAN
- 3 GENERAL NOTES:**  
 3.1 CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR THE SAFETY OF PERSONS AND PROPERTY. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON NOR ISSUE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.  
 3.2 THE STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURE. DURING ERECTION OF THE STRUCTURE, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR TEMPORARY GUYING, SHORING, BRACING, FORMING, ETC. SUCH MEASURES SHALL BE LEFT IN PLACE AS LONG AS REQUIRED FOR SAFETY AND UNTIL ALL FRAMING AND CONNECTIONS ARE IN PLACE. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF SUCH TEMPORARY MEASURES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.  
 3.3 DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW BY THE ENGINEER.  
 3.4 ARCHITECTURAL DRAWINGS, MECHANICAL DRAWINGS, ELECTRICAL DRAWINGS, TELECOMMUNICATION DRAWINGS, FIRE PROTECTION DRAWINGS, EQUIPMENT DRAWINGS AND RELATED ITEMS ARE BY OTHERS.  
 3.5 CONTRACTOR AND SUBCONTRACTORS SHALL THOROUGHLY REVIEW ALL DRAWINGS PRIOR TO SUBMITTING BIDS. MISCELLANEOUS FASTENERS, CLIPS, ETC. THAT ARE NOT DETAILED ON THE DRAWINGS BUT ARE PART OF THE REQUIREMENTS FOR FULL INSTALLATION OF ALL STRUCTURAL SYSTEMS ARE TO BE PART OF THE BID. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO THE BID TO ASCERTAIN CONDITIONS WHICH MAY ADVERSELY AFFECT THE BID.  
 3.6 DURING THE BIDDING STAGE, CONTRACTOR SHALL REQUEST AN INTERPRETATION OF CONFLICTS PRIOR TO BIDDING. IF NO REQUEST IS MADE, BOTH PROVISIONS SHALL BE PRESUMED TO BE INCLUDED IN THE BID AND THE ARCHITECT/ENGINEER SHALL DETERMINE WHICH PROVISION GOVERNS, AND THE CONTRACTOR SHALL PERFORM THE WORK AT NO ADDITIONAL COST TO THE OWNER.  
 3.7 ALL OMISSIONS AND CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE CONSTRUCTION DRAWINGS AND/OR SPECIFICATIONS AND/OR EXISTING CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE WORK.  
 3.8 THE CONTRACTOR SHALL COORDINATE ALL DEPRESSIONS, DIMENSIONS, ELEVATIONS, SLEEVES, CHASES, HANGERS, OPENINGS, BLOCK OUTS, INSERTS, ANCHORS, EQUIPMENT SUPPORTS, AND DETAILS WITH THE ENTIRE CONSTRUCTION PACKAGE INCLUDING ARCHITECTURAL DRAWINGS, MECHANICAL DRAWINGS, ELECTRICAL DRAWINGS, TELECOMMUNICATION DRAWINGS, FIRE PROTECTION DRAWINGS AND EQUIPMENT DRAWINGS.  
 3.9 MECHANICAL UNITS SUPPORTED BY ROOF STRUCTURE ARE SUBJECT TO THE ACCEPTANCE OF THE STRUCTURAL ENGINEER.  
 3.10 DO NOT HANG ANYTHING FROM THE ROOF DECK.
- 4 EXISTING CONSTRUCTION:**  
 4.1 WHEREVER APPLICABLE, PRIOR TO FABRICATION AND CONSTRUCTION, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELEVATIONS, DIMENSIONS, DETAILS OF EXISTING STRUCTURAL CONNECTIONS AND OTHER CONDITIONS WHERE THEY AFFECT THIS CONSTRUCTION. NOTIFY THE ENGINEER IF THERE ARE ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS. CONSULT WITH THE STRUCTURAL ENGINEER BEFORE MAKING ANY MODIFICATIONS TO THE EXISTING STRUCTURE NOT INDICATED ON THE CONTRACT DOCUMENTS.  
 4.2 BEFORE PROCEEDING WITH ANY WORK WITHIN THE EXISTING FACILITY, THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE EXISTING STRUCTURE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY BRACING, SHORING AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF THE EXISTING WORK IN A SAFE CONDITION DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION AND TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE EXISTING WORK WHICH ARE TO REMAIN.  
 4.3 THE CONTRACTOR SHALL CONSIDER ALL HAZARDS DUE TO WELDING WITHIN THE EXISTING FACILITY, INCLUDING FIRE HAZARD, TOXIC SMOKE HAZARD AND LIQUEFACTION OF MEMBERS UNDER LOAD. VERIFY THE PRESENCE OF ANY TOXIC MATERIALS PRIOR TO BIDDING THE WORK OR SUBMITTAL OF FINAL PRICE.
- 5 REINFORCED CONCRETE:**  
 5.1 DESIGN CODE: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318), LATEST ADOPTION.  
 5.2 CONCRETE MIXES SHALL BE DESIGNED PER ACI 301 USING THE FOLLOWING:  
     PORTLAND CEMENT CONFORMING TO ASTM C150 OR C595  
     FLY ASH CONFORMING TO ASTM C618.  
     SLAG CONFORMING TO ASTM C989.  
     SILICA FUME CONFORMING TO ASTM C1240.  
     AGGREGATE CONFORMING TO ASTM C33.  
     ADMIXTURES CONFORMING TO ASTM C494, C1017, AND C260. DO NOT USE CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CALCIUM CHLORIDE.  
     CONCRETE SHALL BE READY-MIXED IN ACCORDANCE WITH ASTM C94.  
 5.3 MATERIAL STRENGTHS:  
 5.3.1 PROVIDE THE FOLLOWING CONCRETE PROPERTIES:

DESCRIPTION	COMPRESSIVE STRENGTH (f'c) AT 28 DAYS	MAX AGGREGATE SIZE	SLUMP <sup>2</sup>	MAX WATER TO CEMENT RATIOS (W/C) <sup>3</sup>
INTERIOR SLABS ON GRADE	4000 PSI	¾"	3" ± 1"	0.43
ANY CONCRETE SUBJECT TO FREEZE-THAW CYCLES (5% ENTRAINED AIR) <sup>1</sup>	4500 PSI	¾"	4" ± 1"	0.45

- <sup>1</sup> TOLERANCE ON AIR CONTENT AS DELIVERED SHALL BE ± 1.5%.  
<sup>2</sup> PRIOR TO ADDITION OF PLASTICIZER OR HIGH-RANGE WATER-REDUCER  
<sup>3</sup> THESE W/C RATIOS MAY BE LOWER THAN NECESSARY TO PROVIDE THE SPECIFIED STRENGTHS.
- 5.3.2 REINFORCING STEEL:  
 ALL OTHER BARS, STIRRUPS AND TIES .....ASTM A615, GR. 60  
 WELDED WIRE FABRIC .....ASTM A1064
- 5.4 PLACEMENT OF CONCRETE AND REINFORCEMENT SHALL BE IN ACCORDANCE WITH ACI AND CRSI STANDARDS.  
 5.5 CLEAN REINFORCEMENT OF LOOSE RUST, MILL SCALE, EARTH, ICE, AND OTHER FOREIGN MATERIALS THAT REDUCE BOND TO CONCRETE.  
 5.6 FURNISH THE FOLLOWING CONCRETE COVER ON REINFORCING BARS UNLESS SHOWN OTHERWISE ON DRAWINGS:  
     SLABS ON GRADE ..... CENTER MESH OR BARS IN SLAB  
 5.7 ALL WELDED WIRE FABRIC SHALL BE TRANSPORTED AND DELIVERED IN FLAT SHEETS.  
 5.8 MAINTAIN CONCRETE IN A CONTINUOUSLY DAMP AND WET CONDITION FOR NOT LESS THAN 7 DAYS AFTER PLACING. PROTECT FROM MOISTURE LOSS WITH SHEETING OR SPRAY-ON MEMBRANE MEETING ASTM C309 AND COMPATIBLE WITH FLOOR COVERINGS.  
 5.9 FINISHING REQUIREMENTS ARE AS FOLLOWS (REFER TO ACI 301):  
     SMOOTH RUBBED FINISH ON EXPOSED FORM SURFACES.  
     STEEL TROWEL FINISH ON INTERIOR SLABS AND SLABS TO RECEIVE FINISH FLOORING.  
 5.10 DO NOT FIELD BEND BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE UNLESS SPECIFICALLY INDICATED OR ACCEPTED BY THE ENGINEER.  
 5.11 IN SLABS PROVIDE (2) #4x4'-0" DIAGONAL BARS AT 45 DEGREES AT ALL CORNERS OF OPENINGS AND RE-ENTRANT CORNERS.  
 5.12 COLD WEATHER CONCRETING SHALL FOLLOW PROCEDURES IN ACI 306.  
 5.13 HOT WEATHER CONCRETING SHALL FOLLOW PROCEDURES IN ACI 305.  
 5.14 FORMWORK SHALL REMAIN IN PLACE UNTIL CONCRETE HAS ATTAINED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE ALL SHORING.  
 5.15 SPECIAL ADDITIONAL REQUIREMENTS FOR SLABS ON GRADE:  
 5.15.1 DESIGN STANDARD: GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION (ACI 302.1)  
 5.15.2 REFER TO GEOTECHNICAL REPORT FOR VAPOR BARRIER, ENGINEERED FILL AND SUBGRADE COMPACTION REQUIREMENTS.  
 5.15.3 LAP ADJOINING WELDED WIRE FABRIC AT LEAST TWO FULL MESHES.  
 5.15.4 SEE DRAWINGS FOR LOCATIONS OF SLAB CONTROL JOINTS.  
 5.15.5 SLAB JOINTS SHALL BE FILLED WITH AN ACCEPTED MATERIAL AS LATE AS POSSIBLE, PREFERABLY AT LEAST 4 TO 6 WEEKS AFTER THE SLAB HAS BEEN CAST. PRIOR TO FILLING, REMOVE ALL DEBRIS FROM THE SLAB JOINTS. FILL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.  
 5.15.6 SEE THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DEPRESSED SLAB AREAS AND DRAINS. SLOPE SLAB TO DRAINS WHERE SHOWN.  
 5.15.7 FINISH TOLERANCE OF ALL SLABS SHALL BE IN ACCORDANCE WITH ACI 302.1 R.

- 6 WOOD:**  
 6.1 DESIGN CODE: NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION (AF&PA), LATEST ADOPTION.  
 6.2 MATERIALS (FOLLOWING INDICATE MINIMUM GRADES UNO ON DRAWINGS):

DESCRIPTION	SPECIES & GRADE	DESIGN VALUES (PSI)				COMMENTS		
		Fb	FcL	FcE	E (x10 <sup>9</sup> )			
FRAMING LUMBER	Dimensional Lumber (2"-4")	SPRUCE-PINE-FIR	NO. 2	875	425	1150	1.4	POSTS
	Timbers (5"x5" and larger)	SPRUCE-PINE-FIR	NO. 2	500	425	500	1.0	POSTS
	Dimensional Lumber (2"-4")	SPRUCE-PINE-FIR	NO. 2	875	425	1150	1.4	JOISTS, BEAMS AND LINTELS
	Timbers (5"x5" and larger)	SPRUCE-PINE-FIR	NO. 2	600	425	425	1.0	BEAMS

- 6.3 ALL LUMBER CONNECTORS TO BE SUPPLIED BY USP OR SIMPSON STRONG-TIE. WHERE LUMBER CONNECTORS ARE TO BE USED BUT ARE NOT CALLED OUT IN THESE DRAWINGS THEY ARE TO BE DESIGNED AND SUPPLIED BY USP OR SIMPSON STRONG-TIE FOR THE REACTION SHOWN ON THESE DRAWINGS. WHEN USING LUMBER CONNECTORS FILL ALL NAIL HOLES TO ACHIEVE PUBLISHED VALUE. WHERE MORE STRINGENT, THESE DRAWINGS SUPERSEDE DIRECTIONS IN PRODUCT CATALOG BUT REFER TO PRODUCT CATALOG FOR TYPICAL INSTALLATION INSTRUCTIONS.  
 6.4 TRUSS MEMBERS AND COMPONENTS SHALL NOT BE CUT, NOTCHED, DRILLED NOR OTHERWISE ALTERED IN ANY WAY WITHOUT THE WRITTEN APPROVAL OF THE TRUSS SUPPLIER'S STRUCTURAL ENGINEER.  
 6.5 COORDINATE MECHANICAL EQUIPMENT LOADS AND LOCATIONS WITH MECHANICAL/ARCHITECTURAL DRAWINGS AND MECHANICAL CONTRACTOR.

ABBREVIATIONS	
ACI	AMERICAN CONCRETE INSTITUTE
AF&PA	AMERICAN FOREST & PAPER ASSOCIATION
APA	ENGINEERED WOOD ASSOCIATION
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
WTCA	WOOD TRUSS COUNCIL OF AMERICA



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 ANDOVER, MN 55304

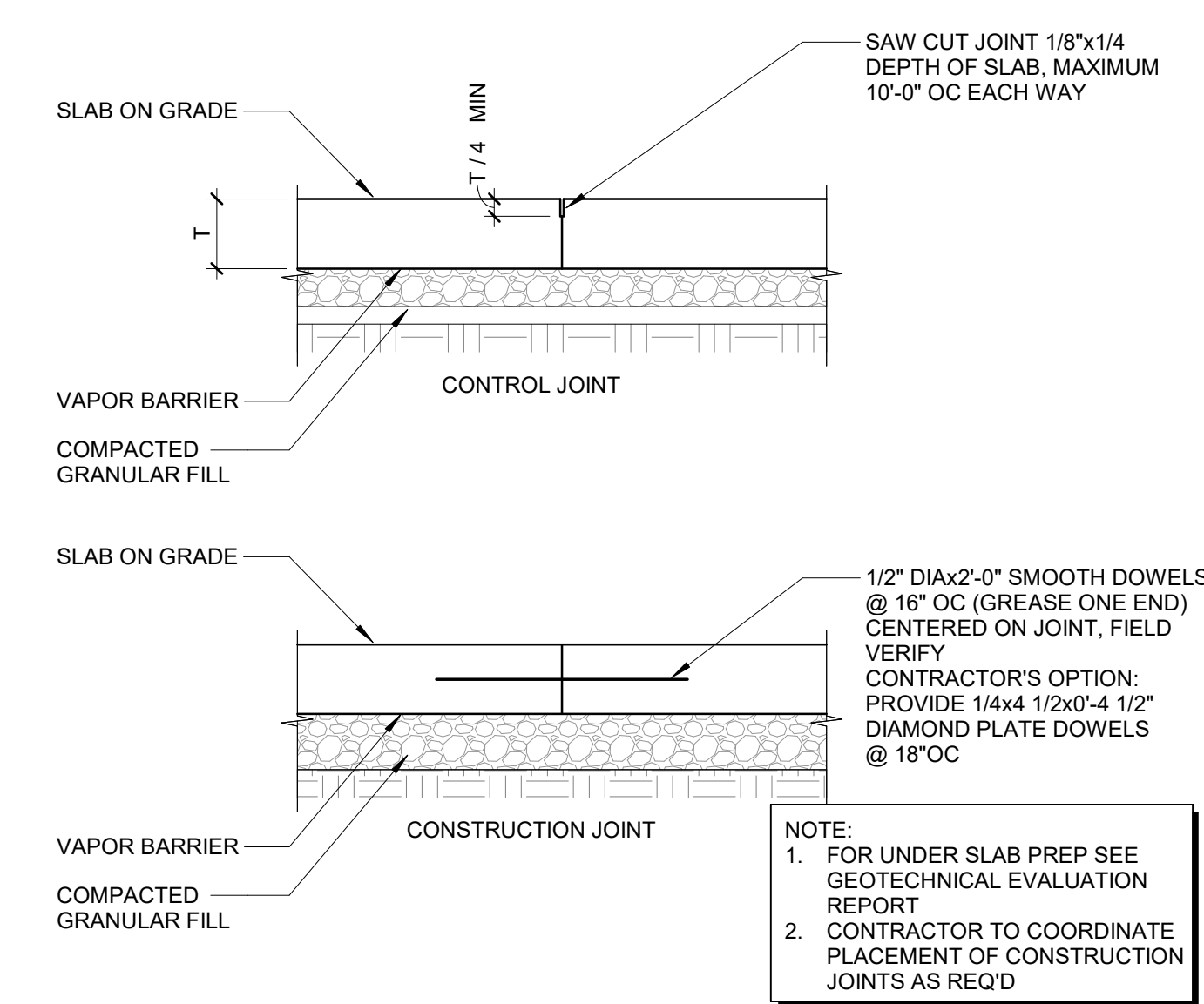
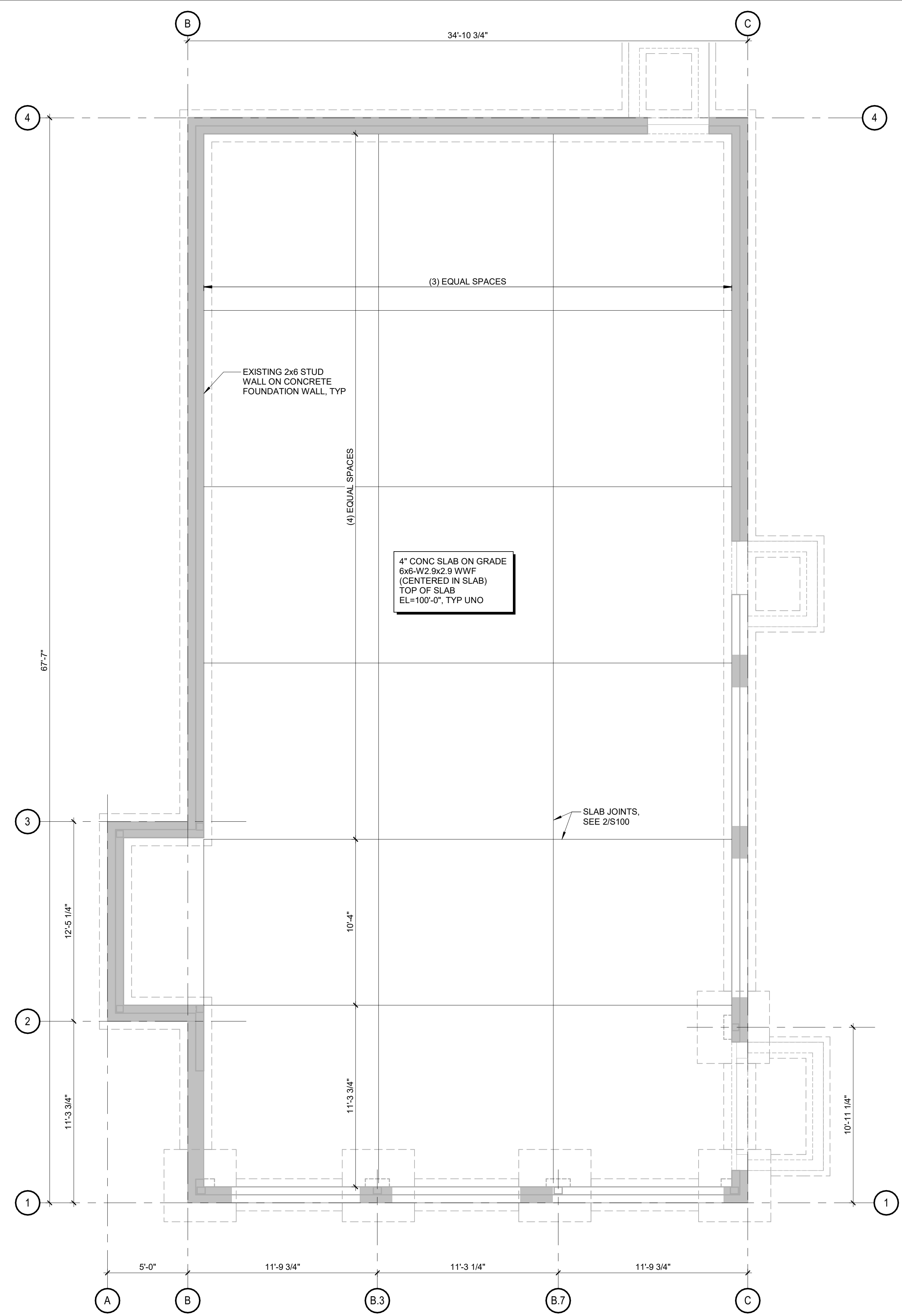
SEAL:  
 I hereby certify that this plan, specification, or report was prepared by me or under my direct personal supervision and that I am a duly Engineer under the laws of the State of Minnesota.  
 Signature: *[Signature]*  
 Typed or Printed Name: MARK D. MIELKE  
 Date: 11.12.2024 License Number: 41957

PROJECT NO. 240056  
 DRAWN BY TJM  
 CHECKED BY TJM

ISSUE RECORD:  
 08.03.2024 PERMIT SET  
 08.20.2024 BID SET  
 11.12.2024 CONSTRUCTION SET

REVISIONS:  
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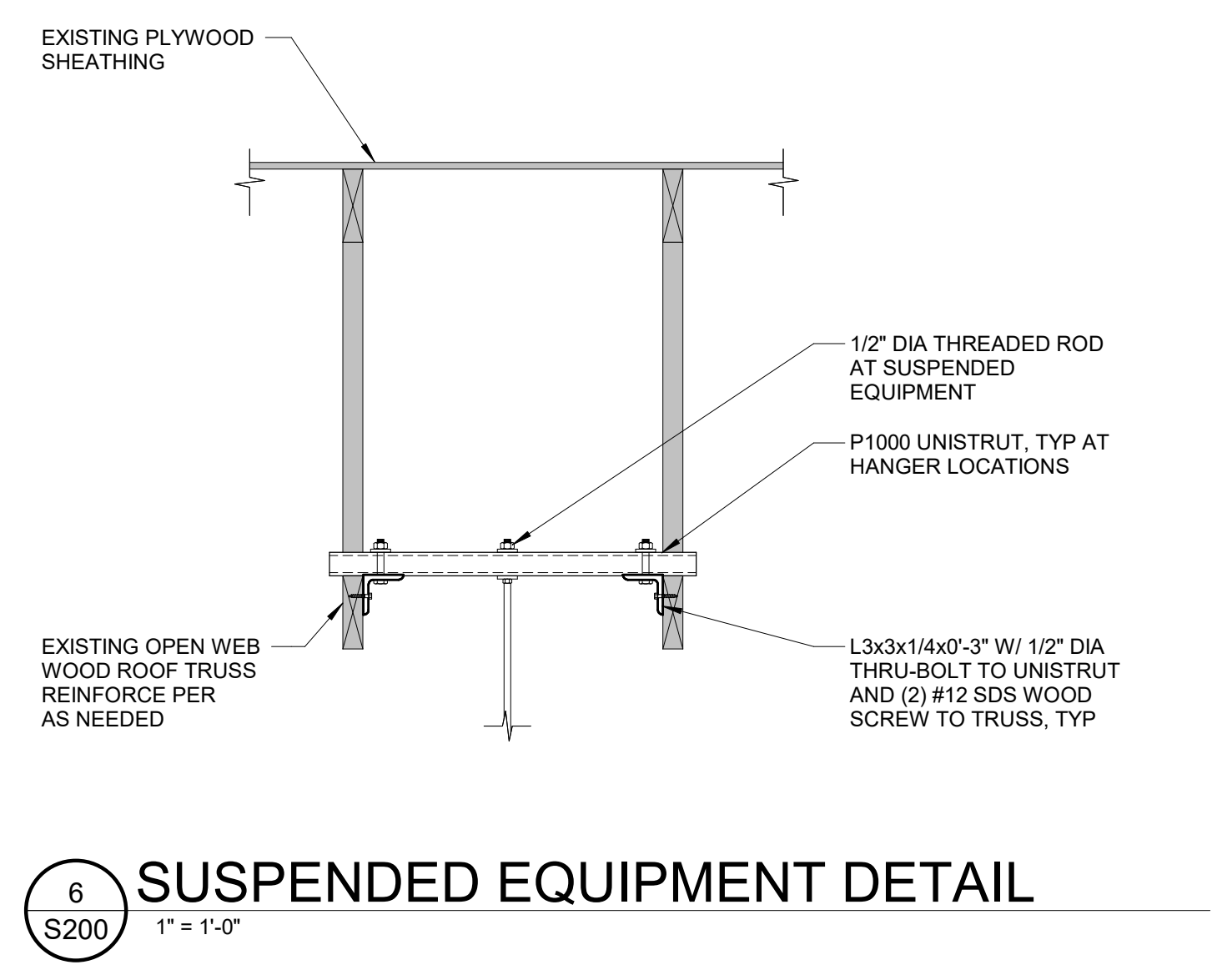
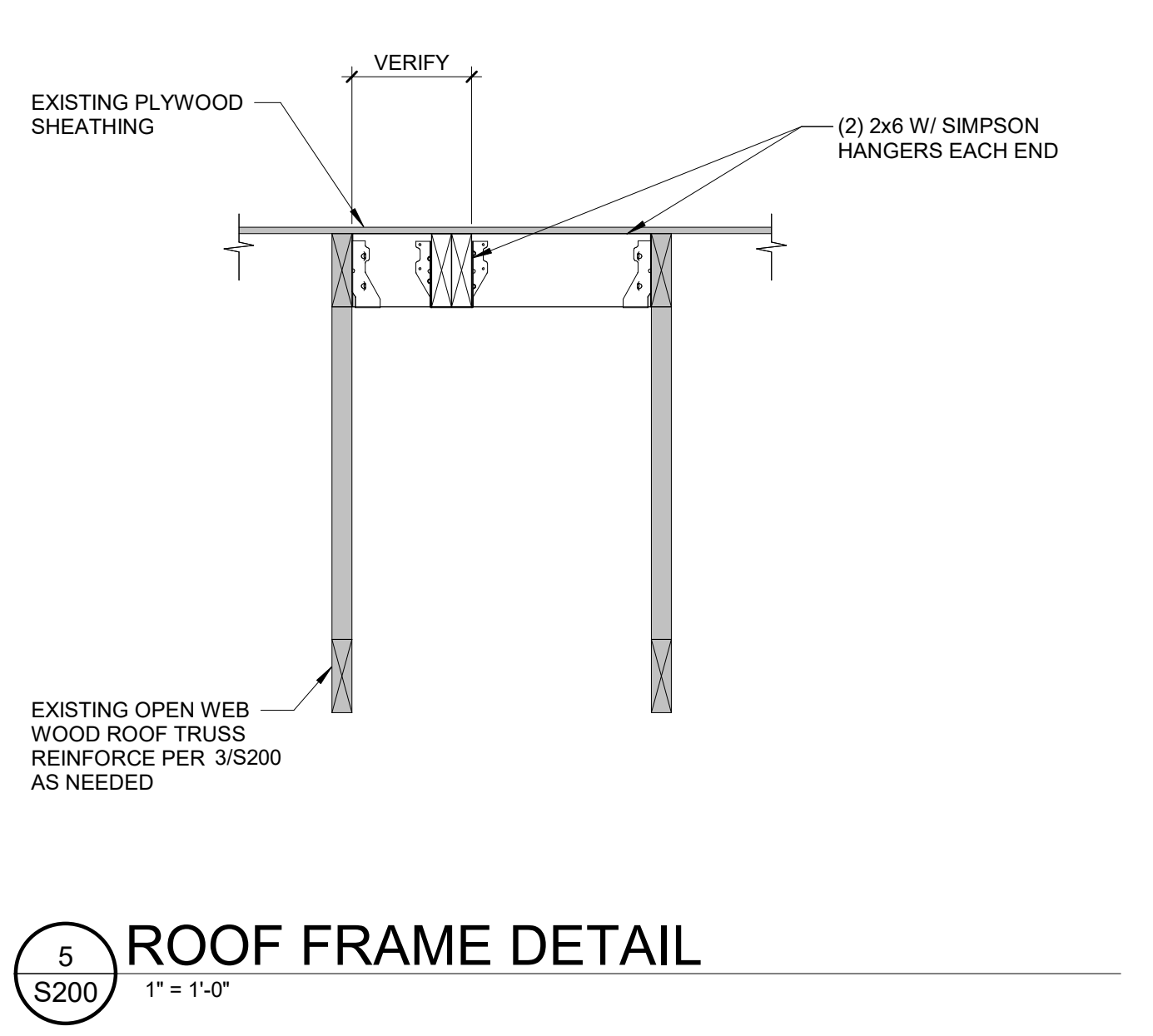
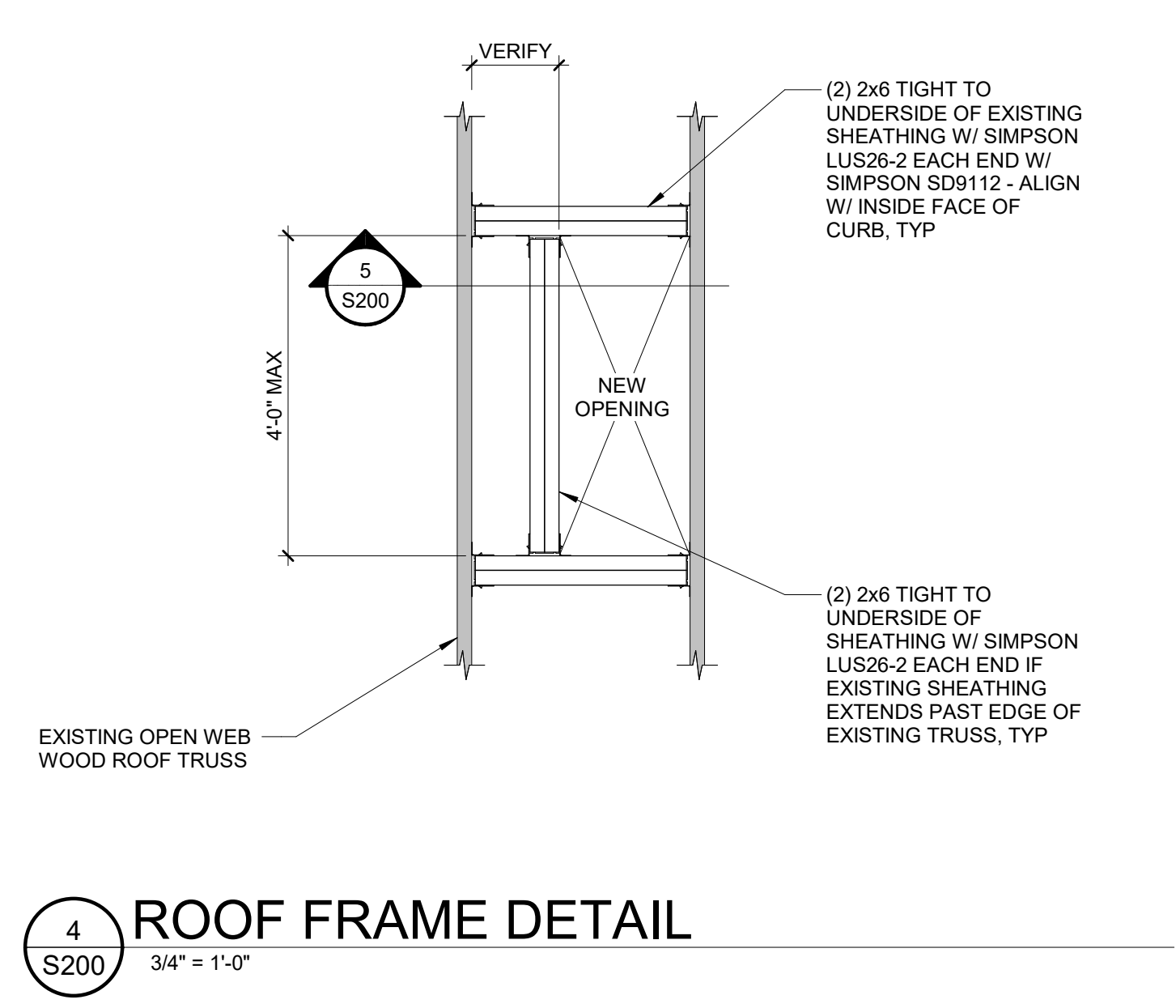
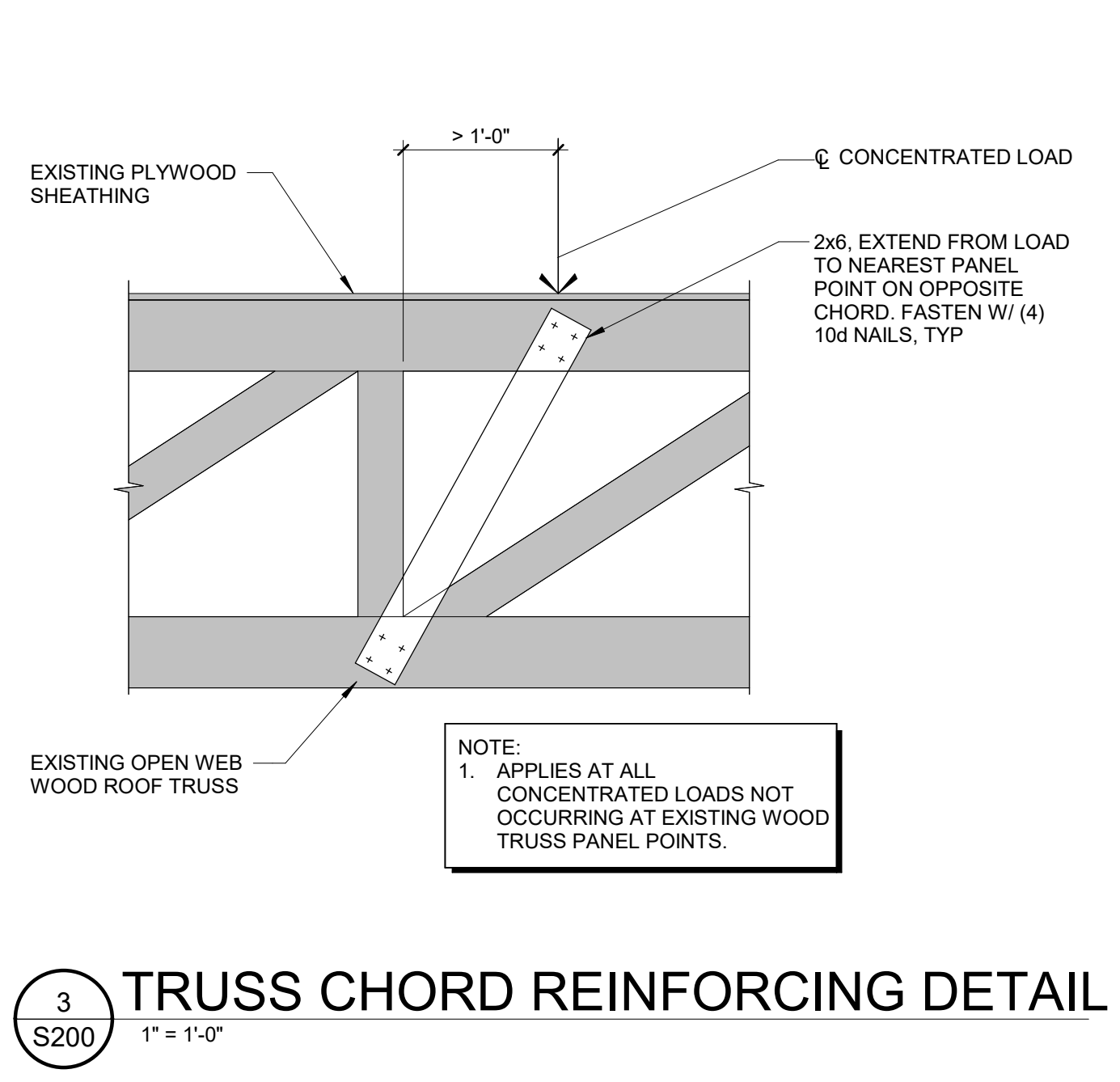
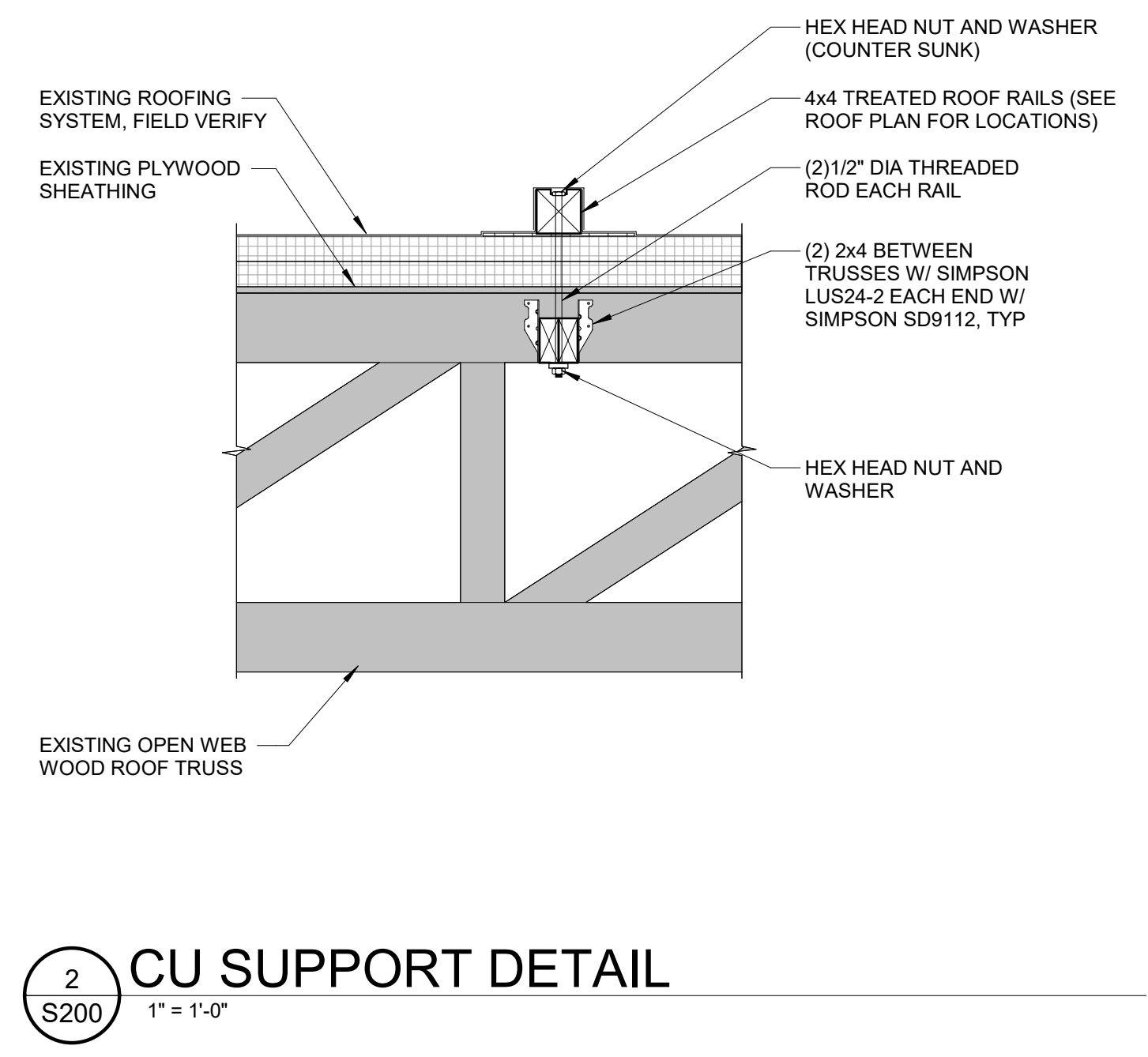
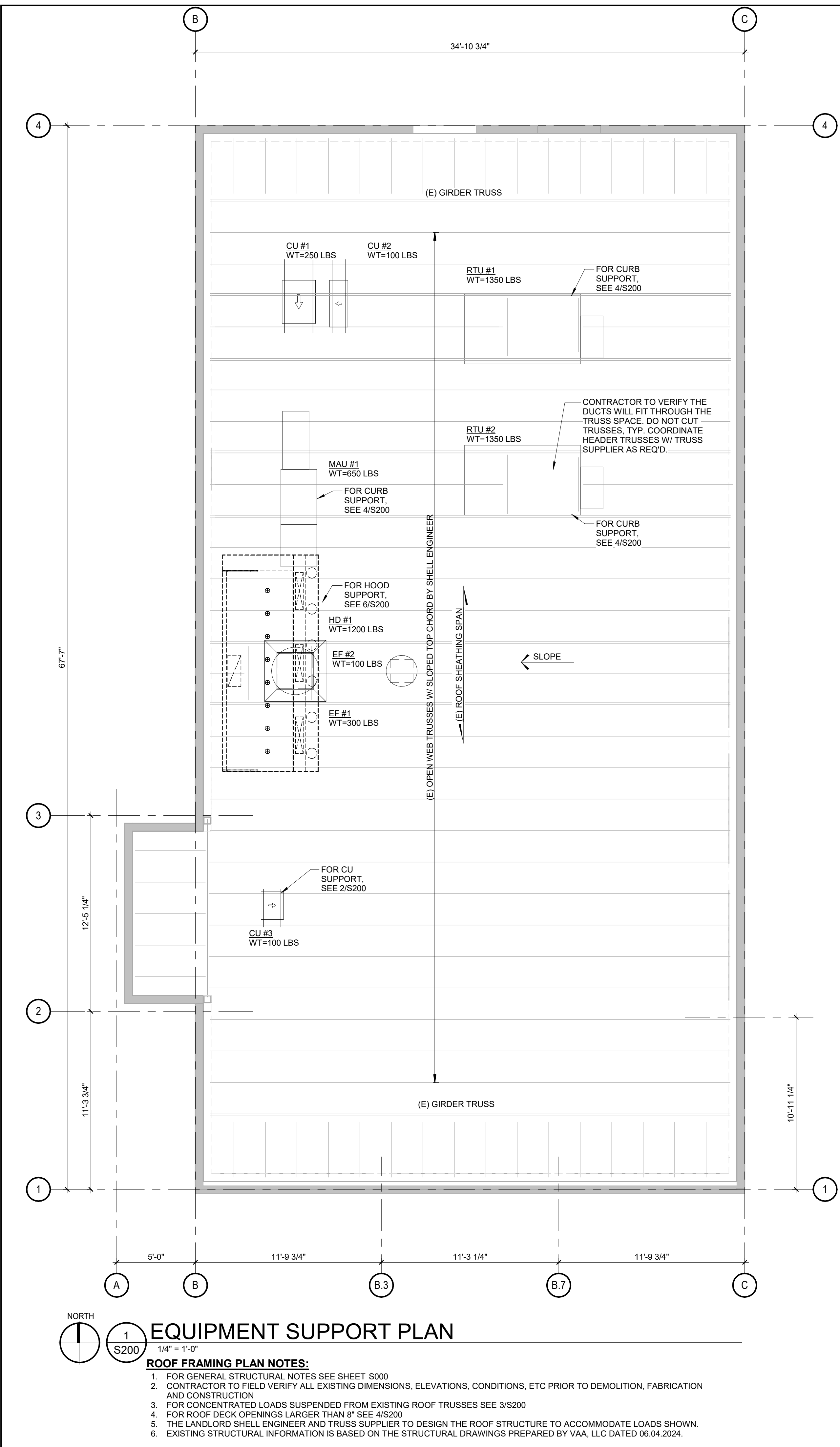
TITLE:  
**GENERAL STRUCTURAL NOTES**  
 SHEET NUMBER:  
**S000**



**2**  
 S100  
 INTERIOR SLAB JOINTS  
 1" = 1'-0"

**1**  
 S100  
 SLAB ON GRADE PLAN  
 1/4" = 1'-0"

- SLAB PLAN NOTES:**
- FOR GENERAL STRUCTURAL NOTES SEE SHEET S000
  - CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, CONDITIONS, ETC PRIOR TO DEMOLITION, FABRICATION AND CONSTRUCTION.
  - FOR SLAB SLOPES, RECESSES, DRAINS, CURBS, ETC, SEE ARCHITECTURAL AND PLUMBING DRAWINGS.
  - EXISTING STRUCTURAL INFORMATION IS BASED ON THE STRUCTURAL DRAWINGS PREPARED BY VAA, LLC, DATED 06.04.2024.



CLIENT:



CHIPOTLE MEXICAN GRILL, INC.  
 PO BOX 162566  
 COLUMBUS, OH 43216-2566  
 TELEPHONE: (614) 318-2452  
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 ANDOVER, MN 55304

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

*Gregory M. Steinmetz*  
 Registered Professional Engineer  
 License No. 25404  
 Date: 2004/11/12 08:41:02-0600

Signature  
 Gregory M. Steinmetz, P.E.  
 Typed or Printed Name  
 25404 11/12/2024  
 License # Date

PROJECT NO. 2023-0519  
 DRAWN BY TSB  
 CHECKED BY GMS

ISSUE RECORD:  
 05.28.2024 CHECK SET  
 06.03.2024 PERMIT SET  
 08.20.2024 BID SET  
 11.12.2024 CONSTRUCTION SET

REVISIONS:

TITLE:  
**FIRE PROTECTION PLAN**

SHEET NUMBER:

**F100**

F.P. MATERIAL SCHEDULE	
APPLICATION	ALLOWABLE MATERIAL
SPRINKLER HEAD	
EXPOSED STRUCTURE CEILING	CHROME OR BRASS UPRIGHT
	CHROME RECESSED PENDANT
GYPSUM BOARD CEILING	W/ CHROME ESCUTCHEON
	CHROME RECESSED PENDANT
LAY-IN CEILING	W/ CHROME ESCUTCHEON
	CONCEALED PENDANT WITH
STONE-WOOD	BLACK COVER PLATE
WALK-IN COOLER	FREEZE-PROOF PENDANT

FIRE PROTECTION SCHEDULE				
ROOM #	DESCRIPTION	CEILING	HEIGHT	HAZARD
100	MAIN ENTRY	EXPOSED STRUCTURE	VARIES	LIGHT
101	DINING	EXPOSED STRUCTURE	VARIES	LIGHT
102	UTENSIL	STONEWOOD	7'-11"	LIGHT
103	PASSAGE	GYP	10'-0"	LIGHT
104	POS	GYP	9'-0"	ORD. HAZ. 1
105	ORDERING	EXPOSED STRUCTURE	VARIES	LIGHT
106	SERVING	GYP	9'-0"	ORD. HAZ. 1
107	COOKING	GYP	9'-0"	ORD. HAZ. 1
108	KITCHEN	LAY-IN	10'-0"	ORD. HAZ. 1
109	OFFICE	LAY-IN	9'-0"	ORD. HAZ. 1
110	COOLER	INTEGRAL	9'-4"	ORD. HAZ. 1
111	TOILET	GYP	8'-0"	LIGHT
112	TOILET	GYP	8'-0"	LIGHT

**FIRE PROTECTION ABBREVIATIONS**

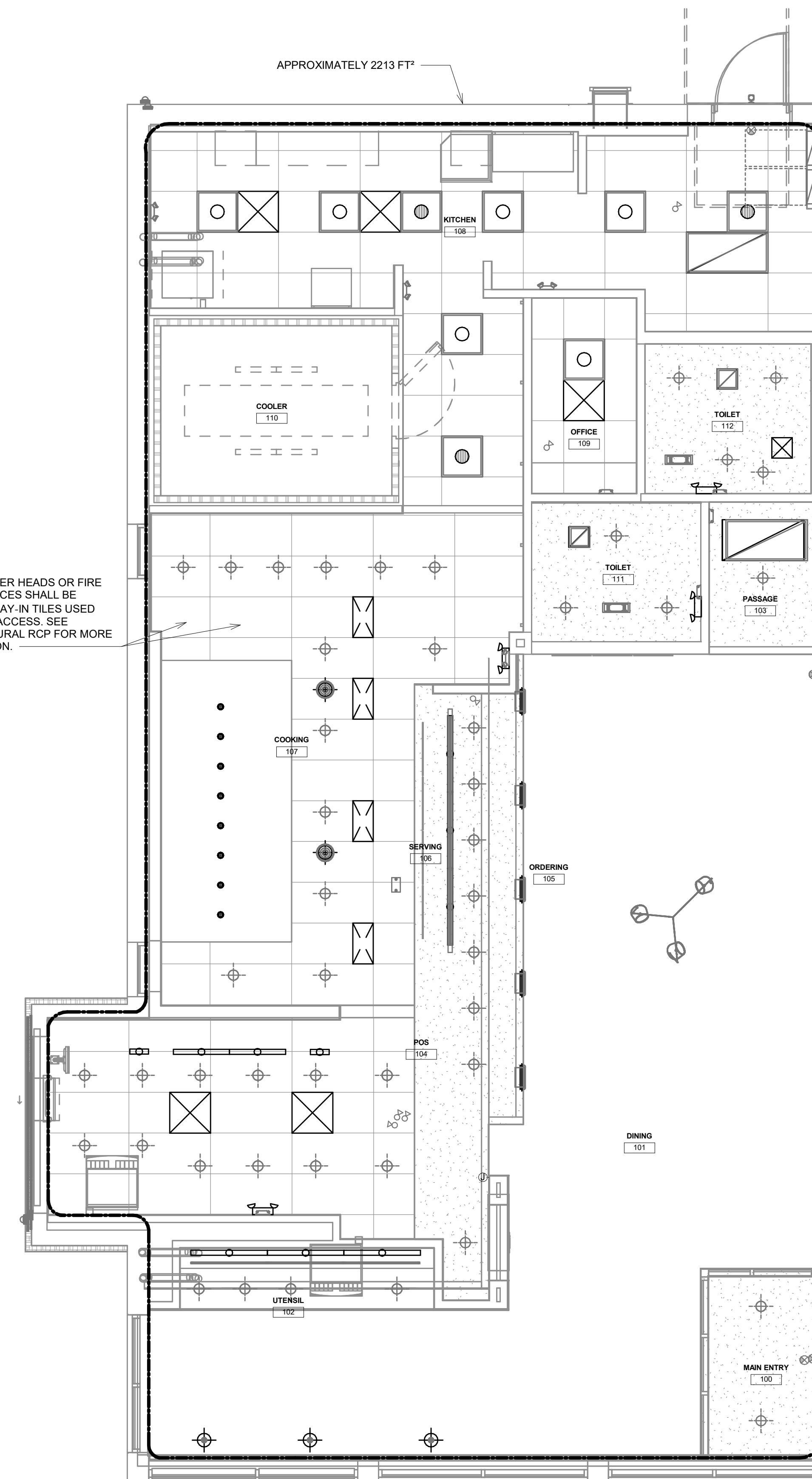
(E)	EXISTING
ABV	ABOVE
ADA	AMERICANS WITH DISABILITIES ACT
AF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
BOH	BACK OF HOUSE
CLG	CEILING
CTE	CONNECT TO EXISTING
DN	DOWN
EXTG	EXISTING
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FLR	FLOOR
FOH	FRONT OF HOUSE
GYP	GYPSUM BOARD
NTS	NOT TO SCALE
O/H	OVERHEAD
TYP	TYPICAL
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
W/	WITH
WIC	WALK-IN COOLER
C02AS	TENANT'S CO2 ALARM SUPPLIER
GC	GENERAL CONTRACTOR
HES	TENANT'S HVAC EQUIPMENT SUPPLIER
HS	TENANT'S HOOD SUPPLIER
KES	TENANT'S KITCHEN EQUIPMENT SUPPLIER
LL	LANDLORD
MSS	TENANT'S MUSIC SYSTEMS SUPPLIER
SPS	TENANT'S SODA POP SUPPLIER
TAB	TENANT'S TEST AND BALANCE VENDOR
TCC	TENANT'S CABLING CONTRACTOR
TDC	TENANT'S DUCT CLEANER
TEMS	TENANT'S ENERGY MANAGEMENT SYSTEM SUPPLIER
TL	TENANT'S LIGHT/LAMP SUPPLIER
TMB	TENANT'S MENU BOARD SUPPLIER
TMS	TENANT'S MILLWORK SUPPLIER
TP	TENANT'S PHONE SUPPLIER
TPS	TENANT'S PANELBOARD SUPPLIER
TRS	TENANT'S RAILING SUPPLIER
TSV	TENANT'S SIGN VENDOR
TUV	TENANT'S UV SNATIZER SUPPLIER
WCS	TENANT'S WALK-IN COOLER SUPPLIER

**FIRE PROTECTION GENERAL NOTES**

- FIRE PROTECTION WORK SHALL BE DONE IN ACCORDANCE WITH THE BUILDING CODE, NFPA, LOCAL FIRE DEPARTMENT STANDARDS, AND THE AUTHORITY HAVING JURISDICTION. SEE ARCHITECTURAL SHEETS FOR THE PREVAILING CODES.
- CEILING HEIGHTS SHOWN IN THE FIRE PROTECTION SCHEDULE ARE APPROXIMATE. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT CEILING HEIGHTS.
- EXISTING FIRE PROTECTION SYSTEM: EXISTING WET PIPE SPRINKLER SYSTEM WITH DISTRIBUTION THROUGHOUT SPACE AND HEADS TURNED UP TO DECK.
- EXISTING FIRE ALARM SYSTEM: EXISTING ADDRESSABLE FIRE ALARM SYSTEM WITH FACP IN BASE BUILDING RISER ROOM, NOTIFICATION APPLIANCE IN SPACE, AND PULL STATIONS AT EXITS.
- FIRE ALARM SCOPE OF WORK: MODIFY THE EXISTING FIRE ALARM SYSTEM IN THE SPACES SHOWN TO SUIT THE NEW FLOOR PLAN. PROVIDE NEW DEVICES AS NECESSARY FOR A COMPLETE SYSTEM.
- COORDINATE HEAD AND DEVICE LAYOUT WITH EXPOSED DUCTWORK, LIGHT FIXTURES, HVAC EQUIPMENT, ARCHITECTURAL CEILING ELEMENTS, AND WALL-MOUNTED EQUIPMENT. SEE ARCHITECTURAL, HVAC PLUMBING, AND ELECTRICAL PLANS FOR LOCATIONS. PROVIDE HEADS AND DEVICES IN LAY-IN CEILINGS AT QUARTER POINTS ALONG LONG AXIS OF CEILING TILES.
- FIRE PROTECTION SCOPE OF WORK: MODIFY THE EXISTING HEAD LAYOUT IN THE SPACES SHOWN TO SUIT THE NEW FLOOR PLAN. PROVIDE NEW HEADS AND PIPING AS NECESSARY FOR A COMPLETE SYSTEM. PROVIDE HYDRAULIC CALCULATIONS FOR REVISED FIRE PROTECTION SYSTEM.
- OBTAIN PERMITS, APPROVALS, AND INSPECTIONS FOR REVISED FIRE PROTECTION AND ALARM SYSTEMS.
- CEILING HEIGHTS AND CEILING FIXTURE PLACEMENTS SHOWN ARE APPROXIMATE. SEE ARCHITECTURAL RCP FOR EXACT CEILING HEIGHTS AND CEILING FIXTURE DIMENSIONS.
- SUBMIT FIRE PROTECTION AND FIRE ALARM SHOP DRAWINGS SHOWING HEAD AND DEVICE LAYOUTS TO ARCHITECT PRIOR TO SUBMITTING FOR PERMIT APPROVAL.
- THE TERM "FURNISH" MEANS SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS. THE TERM "INSTALL" DESCRIBES THE OPERATIONS AT THE PROJECT SITE INCLUDING THE ACTUAL UNLOADING, UNPACKING, ASSEMBLY, ERECTING, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS. THE TERM "PROVIDE" MEANS TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.
- IF A SLAT CEILING SYSTEM IS INSTALLED IN THE DINING ROOM WHERE IT WILL INTERFERE WITH THE PATTERN DEVELOPMENT OF SPRINKLER HEADS ABOVE THE SLAT CEILING (WITHIN 18" BELOW SPRINKLER HEADS) THEN PROVIDE INTERMEDIATE LEVEL IN-RACK PENDANT SPRINKLER HEADS IN SLAT CEILING SYSTEM PER THE ARCHITECTURAL DETAILS.

**FOR REFERENCE ONLY: FIRE PROTECTION AND ALARM SYSTEMS ARE TO BE DESIGNED BY THE GENERAL CONTRACTOR.**

NO SPRINKLER HEADS OR FIRE ALARM DEVICES SHALL BE PLACED IN LAY-IN TILES USED FOR HOOD ACCESS. SEE ARCHITECTURAL RCP FOR MORE INFORMATION.



1 FIRE PROTECTION PLAN  
 1/4" = 1'-0"

SECTION 15732 - PACKAGED ROOFTOP AIR-CONDITIONING UNITS

- PART 1 - GENERAL
1.1 SECTION REQUIREMENTS
A. Submittals: Product Data and Shop Drawings.
B. Comply with ASHRAE 15.
C. EER: Equal to or greater than prescribed by the energy code adopted by the Authority Having Jurisdiction.
D. Warranties: Submit a written warranty, signed by the manufacturer, agreeing to the repair or replacement of components that fail within 5 years of Substantial Completion.

PART 2 - PRODUCTS
2.1 PACKAGED UNITS, 5 TO 20 TONS

- A. Factory assembled and tested, consisting of compressors, condensers, evaporator coils, condenser and evaporator fans, refrigeration and temperature controls, filters, and dampers.
1. Refer to Rooftop Heating/Cooling Unit Schedule on drawing M600 for capacities, and manufacturers.
2. Evaporator Fans: Belt or direct driven, forward curved centrifugal.
3. Exhaust/Relief Fans: Direct drive, forward curved centrifugal or propeller.
4. Condenser Fans: Direct drive propeller.
5. Refrigerant Coils: Aluminum fins and copper coil.
6. Compressors: Serviceable hermetic or fully hermetic, with safety controls, hot gas bypass, and timed off controls.
7. Heat Exchangers: Gas fired, with gas controls, electronic ignition, high limit cutout, and forced draft drawing switch.
8. Economizer controls (Comparative Enthalpy, 100% capacity).
9. Smoke Detectors: Photoelectric in supply and/or return as called for in schedule on sheet M600.
10. Operating Controls: Two stage heating and two stage cooling on units 7-1/2 tons and over.
11. Roof curb.
12. Control Wiring from T-stat to rooftop unit: Shall be 18ga / 7 conductor, rated for plenum applications.
13. Control Wiring from T-stat to remote sensor: Shall be a separate 18ga / 2 conductor shielded, rated for plenum applications.

PART 3 - EXECUTION
3.1 INSTALLATION

- A. Install units level and plumb and firmly anchored.
B. Connect gas piping to burner with pipe same size as gas train inlet, and provide union with sufficient clearance for burner removal and service.
C. Install ducts to termination in roof mounting frames. Terminate ducts through roof structure.
D. Connect units to wiring systems and to ground.

END OF SECTION 15732

SECTION 15810 - DUCTS AND ACCESSORIES

PART 1 - GENERAL

- 1.1 SECTION REQUIREMENTS
A. Submittals: Product Data for fire and smoke dampers.
B. Comply with NFPA 90A for systems serving spaces more than 25,000 cu. ft. in volume or building Types II, IV, and V construction more than 3 stories in height.
C. Comply with NFPA 90B for systems serving spaces in 1 or 2 family dwellings or serving spaces less than 25,000 cu. ft..
D. Comply with NFPA 96, "Ventilation Control and Fire Protection of Commercial Cooking Operations," for kitchen hood ducts.
E. Comply with UL 181 and UL 181A for ducts and closures.
F. Testing, Adjusting, and Balancing Agency Qualifications: AABC certified (to be furnished by Tenant).

PART 2 - PRODUCTS
2.1 DUCTS

- A. Spiral Duct: Spiral Lock Seam, without insulation, G90 galvanized finish, ASTM A-653/924
1. Basis of Design Manufacturers: Lindab SPIROsafe, alternates to the basis of design must be submitted for review.
2. Fittings: Factory produced standing seam construction with internal sealing. Fittings with a major axis of 36" or smaller shall be 20 gauge. Fittings with a major axis of 37"-48" shall be 18 gauge.
B. Galvanized Steel Sheet: Forming steel, ASTM A 653/653M, G90 coating designation.
C. Duct Liner: ASTM C 1071, Type II, with an airstream surface coated with a temperature resistant coating. Thickness: 1-1/2 inch. R-value : .8.
1. Adhesive: ASTM C 916, Type I.
2. Mechanical Fasteners: Galvanized steel pin, length as required to penetrate liner plus a 1/8 inch projection maximum into the airstream.
D. Joint and Seam Tape: Comply with UL 181A.
E. Joint and Seam Sealant: Comply with UL 181A.
F. Rectangular Metal Duct Fabrication: Comply with SMACNA's "HVAC Duct Construction Standard" for metal thickness, reinforcing types and intervals, tie rod applications, and joint types and intervals.

2.2 ACCESSORIES

- A. Volume-Control Dampers: Factory fabricated volume control dampers, complete with required hardware and accessories. Single blade and multiple opposed blade, standard leakage rating, and suitable for horizontal or vertical applications.
B. Fire Dampers: Factory-fabricated fire dampers, complete with required hardware and accessories. UL labeled according to UL 555, "Fire Dampers".
C. Flexible Connectors: Flame retardant or noncombustible fabrics, coatings, and adhesives complying with UL 181, Class 1.
D. Flexible Ducts: Factory fabricated, insulated, round duct, with an outer jacket enclosing 2 inch thick, glass fiber insulation, R-value: 6.0, around a continuous inner liner.

PART 3 - EXECUTION
3.1 INSTALLATION

- A. Duct System Pressure Class: Construct and install each duct system with 2 inch positive and negative duct pressure classifications.
B. Conceal ducts from view in finished and occupied spaces. Except where noted as exposed.
C. Avoid passing through electrical equipment spaces and enclosures.
D. Support and connect metal ducts according to SMACNA's "HVAC Duct Construction Standard".
E. Install duct accessories according to applicable portions of details of construction as shown in SMACNA standards.
F. Install liner and/or insulation on ductwork per the material schedule on sheet M010.
G. Install volume control dampers in lined duct with methods to avoid damage to liner and to avoid erosion of duct liner.
H. Install fire and smoke dampers according to manufacturer's UL approved written instructions.
I. Install fusible links in fire dampers.
J. Provide saddle taps at tees for exposed ductwork.

3.2 TESTING, ADJUSTING, AND BALANCING

- A. The Tenant will supply an independent balance agent to balance and adjust the HVAC installation. The balance agent will be responsible for any pulley or belt changes required.
B. The GC is to have trained staff available during the balancing to correct issues noted by the balance agent.
C. The balance agent is to balance airflow within distribution systems, including submains, branches, and terminals to indicated quantities +/- 10%. The hood exhaust system shall be balanced to a tolerance of -0+10% and the make-up air system to a tolerance of -10+0%.
D. The balance agent shall balance the outdoor air dampers on each rooftop unit, to ensure code-required ventilation airflow rate is achieved. Refer to schedules on sheet M600 for outdoor airflow rate required.
E. The balance agent is to supply a copy of the balance report to the Tenant, engineer and general contractor for review.

END OF SECTION 15810

SECTION 15855 - DIFFUSERS, REGISTERS, AND GRILLES

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: None.

PART 2 - PRODUCTS
2.1 OUTLETS AND INLETS

- A. All air terminal devices:
1. Refer to Grills, Registers, and Diffusers Schedule for equipment schedule
2. Manufacturer: As scheduled (NO SUBSTITUTIONS)
3. Material: As scheduled.
4. Finish: As scheduled.
5. Mounting: As scheduled.

PART 3 - EXECUTION
3.1 INSTALLATION

- A. Coordinate location and installation with duct installation and installation of other ceiling and wall mounted items.
B. Locate ceiling diffusers, registers, and grilles, as indicated on the architectural "reflected ceiling plans." Unless otherwise indicated, locate units in center of acoustical ceiling panels.

END OF SECTION 15855

MECHANICAL ABBREVIATIONS

Table of mechanical abbreviations including Area Drain, Leaving Water Temperature, Americans w/ Disabilities Act, etc.

MECHANICAL PIPING

Table of mechanical piping symbols including Condensate Drain, Liquidified Petroleum Gas, Natural Gas, etc.

CHIPOTLE ABBREVIATIONS

Table of Chipotle abbreviations including Tenant's CO2 Alarm Supplier, General Contractor, Tenant's HVAC Equipment Supplier, etc.

ANNOTATION

Table of annotation symbols including Quantity Type Size CFM, Active Element Length, Detail Number Sheet Number, etc.

CONTROLS

Table of control symbols including Aqua Stat, Carbon Monoxide Sensor, Humidistat, etc.

HVAC SYMBOLS LEGEND

PLUMBING /PIPING

Table of plumbing symbols including Elbow Down, Pipe Cap, Elbow Up, etc.

DUCTWORK

Table of ductwork symbols including Supply Air, Return Air, Exhaust Air, Standard Branch, etc.

GENERAL NOTES: HVAC

- A. GENERAL NOTES APPLY TO HVAC SHEETS.
B. WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE AUTHORITY HAVING JURISDICTION.
C. CONTRACTOR AND SUBCONTRACTORS SHALL REVIEW A COMPLETE SET OF THE CONSTRUCTION DOCUMENTS.
D. COORDINATE WORK WITH THE WORK OF OTHER TRADES, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND OF THE EXISTING CONDITIONS AT THE PROJECT SITE.
E. DRAWINGS FOR THE MECHANICAL WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWING SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, CONNECTIONS, OFFSETS, ACCESSORIES, AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
F. DUCT DIMENSIONS ON PLANS INDICATE DIMENSIONS OF INTERNAL FREE AREA.
G. PERFORATED CEILING DIFFUSERS SHALL BE 4-WAY UNLESS NOTED OTHERWISE.
H. COORDINATE ROOF WORK WITH THE OWNER'S CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.
I. UNLESS NOTED OTHERWISE RECTANGULAR DUCT ELBOWS GREATER THAN 45° SHALL BE MITERED ELBOWS WITH DOUBLE-THICKNESS TURNING VANES AND RECTANGULAR DUCT ELBOWS 45° OR LESS SHALL BE RADIUSED ELBOWS WITH AN INSIDE RADIUS OF AT LEAST 1/2 THE WIDTH OF THE DUCT.
J. REPLACE AIR FILTERS WITH NEW, CLEAN MERV 8 AIR FILTERS AT TURN-OVER.
K. THE TERM "FURNISH" MEANS SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS. THE TERM "INSTALL" DESCRIBES THE OPERATIONS AT THE PROJECT SITE INCLUDING THE ACTUAL UNLOADING, UNPACKING, ASSEMBLY, ERECTING, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS. THE TERM "PROVIDE" MEANS TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.
L. INSTALL LABELING CALLED FOR IN THE MECHANICAL DRAWINGS USING ENGRAVED PHENOLIC PLATES (WHITE WITH BLACK LETTERING).
M. PROVIDE P3000 12 GA. UNISTRUT WITH PG FINISH FOR DUCT SUPPORTS AND OTHER UNISTRUT IN AREAS EXPOSED TO VIEW. SLOTTED UNISTRUT AND OTHER UNISTRUT WITH HOLES IS NOT ACCEPTABLE.

HVAC MATERIAL SCHEDULE

Table of HVAC material schedule including Application and Allowable Material for various duct types.

DUNHAM logo and contact information: 50 South Sixth Street / Suite 1100 Minneapolis, Minnesota 55402-1540

CHIPOTLE MEXICAN GRILL, INC. logo and project information: CHIPOTLE MEXICAN GRILL, INC. PROJECT INFORMATION

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Store information: STORE NO.: 5307, 'CLOCKTOWER COMMONS' CROSS TOWN BLVD NW & HANSON BLVD NW ANDOVER, MN 55304

Signature section with name Gregory M. Steinmetz, P.E., date 11/12/2024, license # 25404

Table with project no. 2023-0519, drawn by TSB, checked by GMS, and issue record dates.

REVISIONS section showing 3 revisions on 10/08/2024 for Mechanical Comments, and SHEET NUMBER M010



CLIENT:  
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PROJECT INFORMATION:

STORE NO.: 5307  
"CLOCKTOWER COMMONS"  
CROSSTOWN BLVD NW &  
HANSON BLVD NW  
ANDOVER, MN 55304

SEAL:  
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.  
*Gregory M. Steinmetz*  
Signature  
Gregory M. Steinmetz, P.E.  
Typed or Printed Name  
Date: 2024.11.12 08:27:25-08:07

25404 11/12/2024  
License # Date

PROJECT NO. 2023-0519  
DRAWN BY TSB  
CHECKED BY GMS

ISSUE RECORD:  
05.28.2024 CHECK SET  
06.03.2024 PERMIT SET  
08.20.2024 BID SET  
11.12.2024 CONSTRUCTION SET

REVISIONS:  
2 08/20/2024 City Comments  
3 10/08/2024 Mechanical Comments

TITLE:  
HVAC PLAN

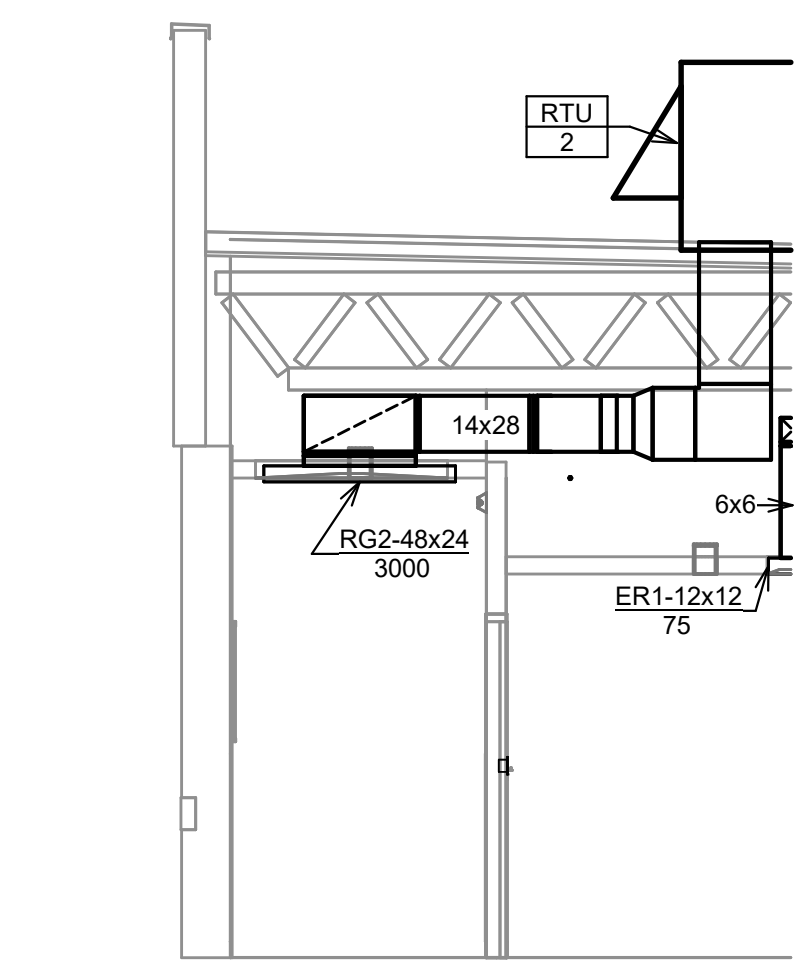
SHEET NUMBER:  
M100

**KEY NOTES:**

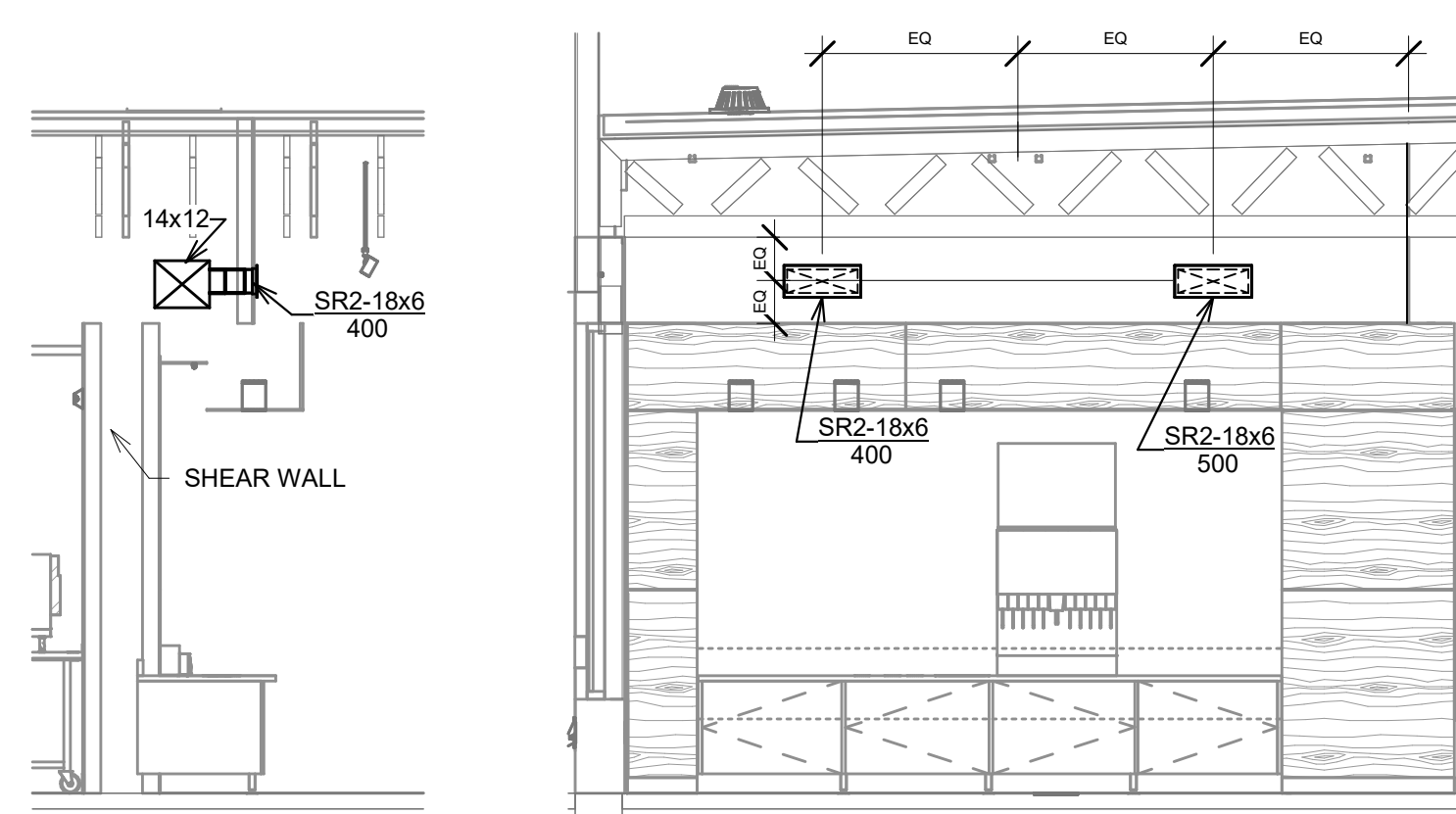
- 1 SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING MOUNTED EQUIPMENT LOCATION. TYPICAL.
- 2 PAINT DUCTWORK VISIBLE THROUGH DINING ROOM SUPPLY REGISTERS BLACK. TYPICAL.
- 3 PENETRATIONS THROUGH SHEAR WALL SHALL BE LIMITED TO 10" DIAMETER (OR A GROUP OF PENETRATIONS ALL CONTAINED WITHIN 10" DIAMETER). IF LARGER PENETRATIONS OR GROUPS OF PENETRATIONS ARE REQUIRED COORDINATE WITH STRUCTURAL ENGINEER FOR APPROPRIATE BRACING. SEE STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATION.
- 4 32/18 DUCT UP FOR TRANSITION TO RTU-1 RETURN CONNECTION IN ROOF CURB. RTU-1 SHALL HAVE AN INTEGRAL SMOKE DETECTOR MOUNTED IN THE RETURN AIR STREAM. INTERLOCK SMOKE DETECTOR TO RTU-1 OPERATION.
- 5 32/18 DUCT UP FOR TRANSITION TO RTU-2 RETURN CONNECTION IN ROOF CURB. RTU-2 SHALL HAVE AN INTEGRAL SMOKE DETECTOR MOUNTED IN THE RETURN AIR STREAM. INTERLOCK SMOKE DETECTOR TO RTU-2 OPERATION.
- 6 32/18 DUCT UP FROM BUILDING SUPPLY THROUGH ROOF. TRANSITION TO RTU-1 SUPPLY CONNECTION IN ROOF CURB.
- 7 32/18 DUCT UP FROM BUILDING SUPPLY THROUGH ROOF. TRANSITION TO RTU-2 SUPPLY CONNECTION IN ROOF CURB.
- 8 14/14 DUCT UP THROUGH ROOF. TRANSITION TO MAU-1 SUPPLY CONNECTION IN ROOF CURB.
- 9 16/16 DUCT UP FROM HOOD THROUGH ROOF TO EF-1 COMPLIANT WITH NFPA 96. PROVIDE RADIUS ELBOWS WITH AN INSIDE RADIUS OF 0.5W AT ELBOWS IN GREASE DUCT.
- 10 8/6 DUCT UP THROUGH ROOF TO EF-2.
- 11 28/6 DUCT DOWN TO MAKEUP AIR PSP DUCT CONNECTION. TRANSITION TO SUPPLY PLENUM OPENING SIZE. TYPICAL FOR 3.
- 12 8" DIA. DUCT DOWN TO AC PSP DUCT CONNECTION. TRANSITION TO SUPPLY PLENUM OPENING SIZE. TYPICAL. CAP UNUSED DUCT CONNECTIONS. EACH CONNECTION SHALL BE BALANCED TO 116 CFM EACH FOR A TOTAL OF 700 CFM OF CONDITIONED AIR TO THE HOOD.
- 13 INSTALL SINGLE-GANG VERTICAL J-BOX FOR GRIDPOINT THERMOSTATS FURNISHED BY TEMS FOR RTU-1 AND RTU-2 AT THIS LOCATION AT 48" AFF. COORDINATE WITH ELECTRICAL SWITCHING IN THIS AREA. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- 14 INSTALL GRIDPOINT ZONE SENSOR MODULE FURNISHED BY TEMS FOR RTU-1 AT THIS LOCATION 72" AFF DIRECTLY TO WALL (NO JUNCTION BOX). COORDINATE LOCATION WITH EQUIPMENT. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- 15 INSTALL GRIDPOINT ZONE SENSOR MODULE FURNISHED BY TEMS FOR RTU-2 AT THIS LOCATION 66" AFF DIRECTLY TO WALL (NO JUNCTION BOX). COORDINATE LOCATION WITH EQUIPMENT. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- 16 INSTALL GRIDPOINT SUPPLY PROBE FURNISHED BY TEMS FOR RTU-1 IN THE SUPPLY DUCTWORK UPSTREAM FROM THE FIRST BRANCH CONNECTION. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- 17 INSTALL GRIDPOINT SUPPLY PROBE FURNISHED BY TEMS FOR RTU-2 IN THE SUPPLY DUCTWORK UPSTREAM FROM THE FIRST BRANCH CONNECTION. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- 18 INSTALL REMOTE TEMPERATURE SENSOR FOR HOOD HD-1 AT THIS LOCATION 72" AFF. COORDINATE LOCATION WITH EQUIPMENT. PROVIDE (2) #18 G. THERMISTOR CABLE FROM TEMPERATURE SENSOR TO HOOD CONTROL PANEL.

**KEY NOTES: CONT.**

- 19 INSTALL KITCHEN HOOD, HD-1, SUPPORT HOOD PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL HOOD ACCORDING TO THE REQUIREMENTS OF ITS LISTING, IN COMPLIANCE WITH NFPA 96, THE BUILDING CODE, AND AUTHORITIES HAVING JURISDICTION. HOOD SHALL HAVE AN INTEGRAL DUCT COLLAR TEMPERATURE SENSOR TO AUTOMATICALLY ENERGIZE THE EXHAUST AND MAKEUP AIR FANS IF COOKING TEMPERATURES ARE DETECTED. EXHAUST DUCT SYSTEM TO BE WELDED OR FACTORY-MANUFACTURED WATER AND AIR TIGHT. INSTALL CLEANOUTS PER CODE AND AS SHOWN. INSTALL HOOD PER DETAILS 2, 4, AND 9/M700. CHIPOTLE WILL PROVIDE AN INDEPENDENT TESTING AGENCY FOR TESTING THE INTEGRITY OF THE GREASE DUCT SYSTEM.
- 20 INSTALL REMOTE CONDENSING UNIT FOR WALK-IN COOLER ON ROOF AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL REFRIGERANT LINE SET, THERMOSTATIC EXPANSION VALVE, SOLENOID VALVE, TEMPERATURE CONTROL, SIGHT GLASS, FILTER DRIER, PRESSURE CONTROL, LOW AMBIENT CONTROLS, AND WEATHERPROOF HOUSING. TRAP AND SLOPE REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS. INSTALLATION SHALL COMPLY WITH ASHRAE/ANSI STANDARD 15. INSTALL THE REFRIGERANT LINE SET UNDER THE ROOF DECK TO WITHIN 3" OF THE CONDENSING UNIT. CUT 2-1/2" HOLE IN WALK-IN COOLER ROOF FOR REFRIGERANT LINE SET AND SEAL PER THE COOLER MANUFACTURER'S INSTALLATION INSTRUCTIONS AFTER LINE SET IS INSTALLED.
- 21 INSTALL REMOTE CONDENSER FOR ICE MACHINE ON ROOF AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL REFRIGERANT LINE SET, THERMOSTATIC EXPANSION VALVE, SOLENOID VALVE, TEMPERATURE CONTROL, SIGHT GLASS, FILTER DRIER, PRESSURE CONTROL, LOW AMBIENT CONTROLS, AND WEATHERPROOF HOUSING. TRAP AND SLOPE REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS. SEAL PIPING PENETRATIONS THROUGH ROOF. INSTALLATION SHALL COMPLY WITH ASHRAE/ANSI STANDARD 15. INSTALL THE REFRIGERANT LINE SET UNDER THE ROOF DECK TO WITHIN 3" OF THE REMOTE CONDENSER. IF REFRIGERANT PIPING TO ICE MAKER IS EXPOSED TO PUBLIC VIEW CONCEAL WITHIN A STAINLESS STEEL SHROUD AS SHOWN IN THE ARCHITECTURAL DRAWINGS.
- 22 INSTALL ROOFTOP EQUIPMENT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- 23 INSTALL EXHAUST FAN EF-1 PER DETAIL 5/M700 AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL GREASE VIROGUARD SYSTEM FURNISHED BY CHIPOTLE ON EXHAUST FAN, EF-1.
- 24 PROVIDE SUPPLY DIFFUSER CONNECTION TO SUPPLY SYSTEM PER DETAIL 1/M700. TYPICAL.
- 25 PROVIDE AUDIOVISUAL REMOTE SMOKE DETECTOR ANNUNCIATOR WITH REMOTE KEY OPERATED RESET. WIRE A UNIT BACK TO EACH SMOKE DETECTOR. MOUNT UNIT 60" AFF. ABOVE THERMOSTAT FOR EACH UNIT. TYPICAL.
- 26 INSTALL REME HALO AIR PURIFIER FURNISHED BY TUV IN RTU PER DETAIL 6/M700. SEE ELECTRICAL DRAWINGS FOR POWER CONNECTION INFORMATION. INSTALL UV WARNING STICKERS ON FACE OF ENCLOSURE PER DETAIL AND ON ANY RTU ACCESS DOOR(S) THROUGH WHICH THE REME HALO WOULD BE VISIBLE IF OPENED.
- 27 MAINTAIN 10" CLEARANCE BETWEEN WATER HEATER FLUE TERMINATION AND OUTSIDE AIR INTAKES. MAINTAIN 10" CLEARANCE BETWEEN WATER HEATER COMBUSTION AIR INTAKE AND EXHAUST FAN EF-1 DISCHARGE. SEE PLUMBING DRAWINGS FOR MORE INFORMATION ON WATER HEATER FLUE AND COMBUSTION AIR TERMINATIONS.
- 28 ADJUST SUPPLY REGISTERS SO THAT SUPPLY AIR HITS WALL ON OPPOSITE SIDE OF ROOM AT APPROXIMATELY 7' AFF WITH NO DRAFTS FELT IN THE DINING ROOM. TYPICAL OF ALL SR REGISTERS.
- 29 AIR CURTAIN HUNG FROM STRUCTURE ABOVE. INSTALL PER MANUFACTURER INSTRUCTIONS. SEE SCHEDULE ON SHEET M600.
- 30 CEILING UNIT HEATER - INSTALL PER MANUFACTURER INSTRUCTIONS.

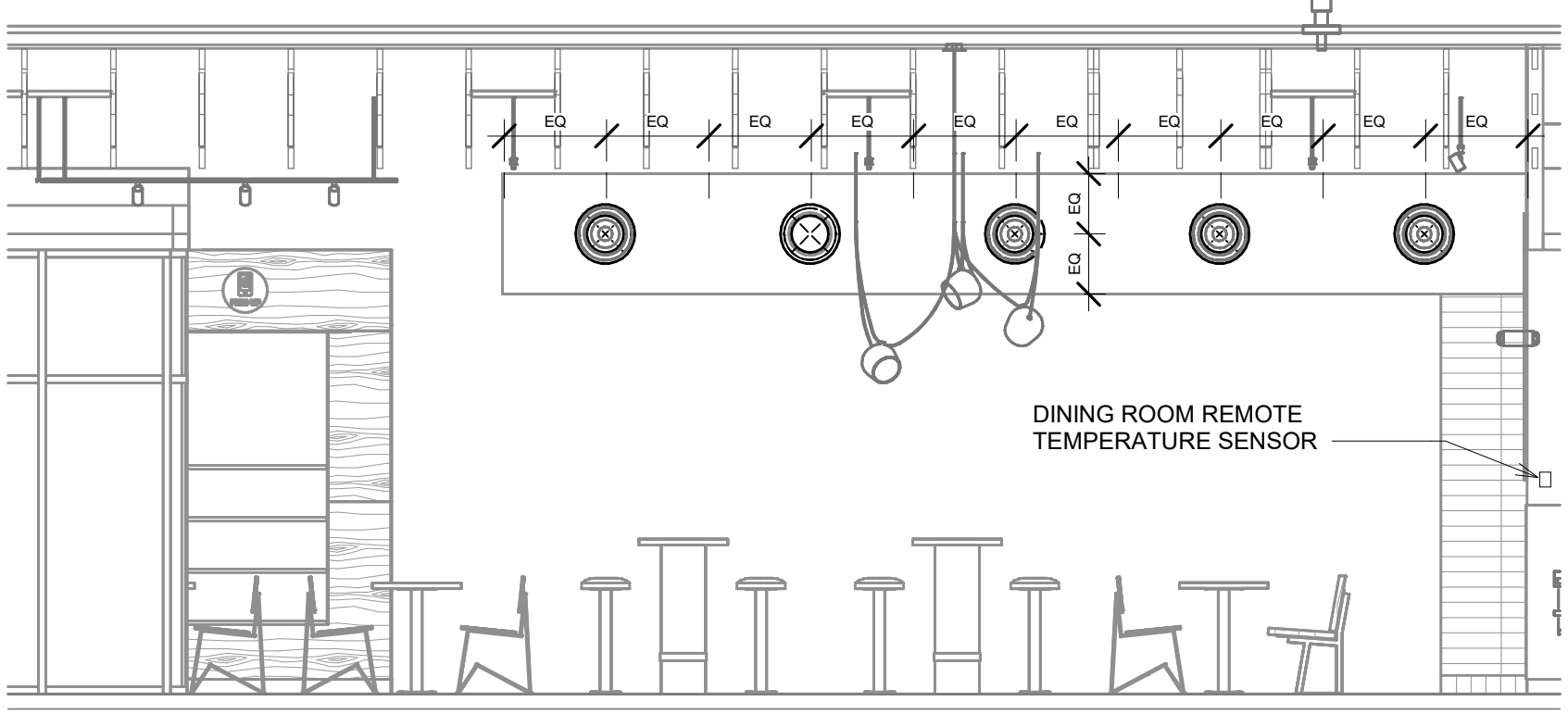


6 HVAC DINING ROOM RETURN  
1/4" = 1'-0"

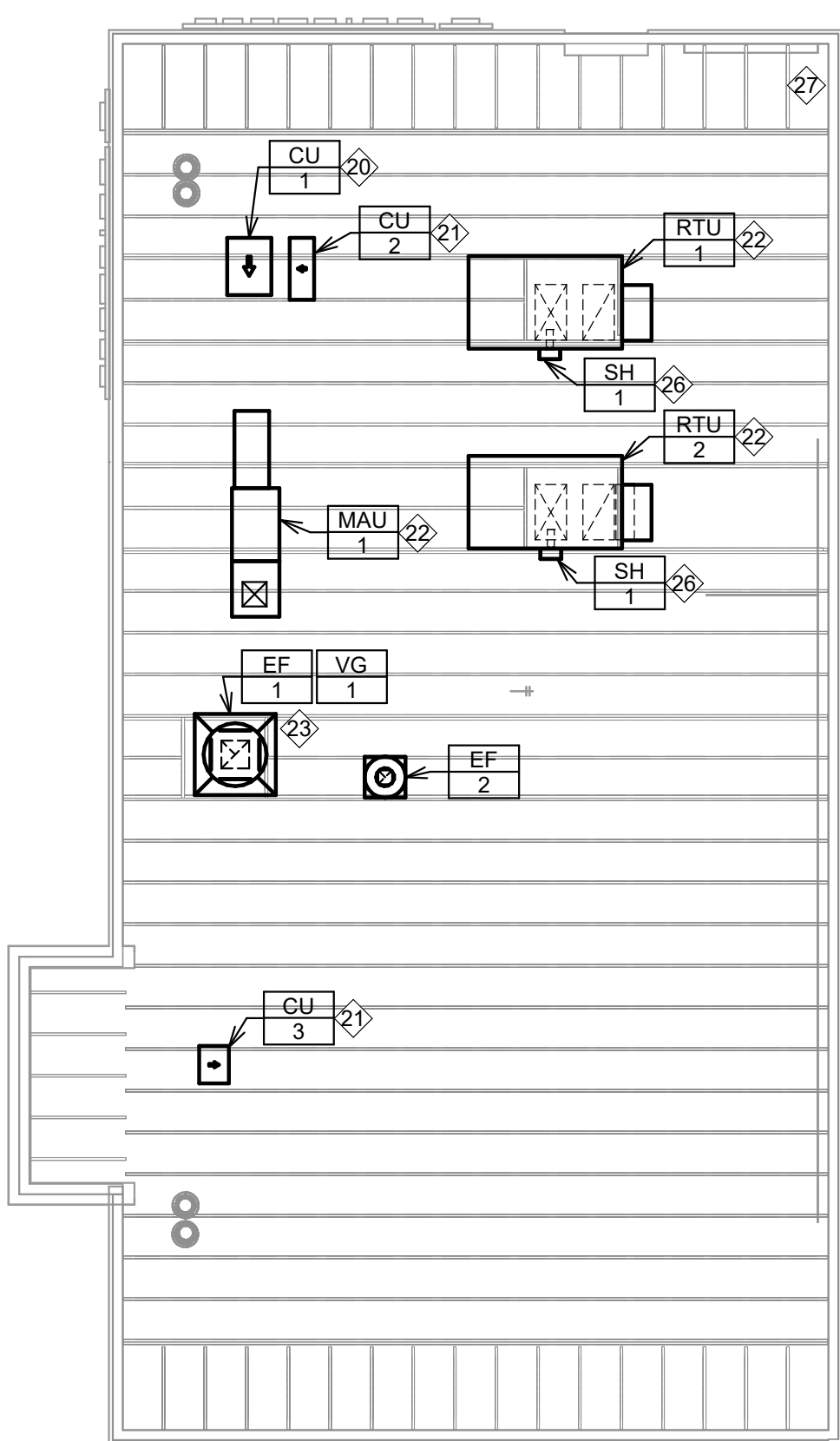


5 HVAC DINING ROOM SECTION  
1/4" = 1'-0"

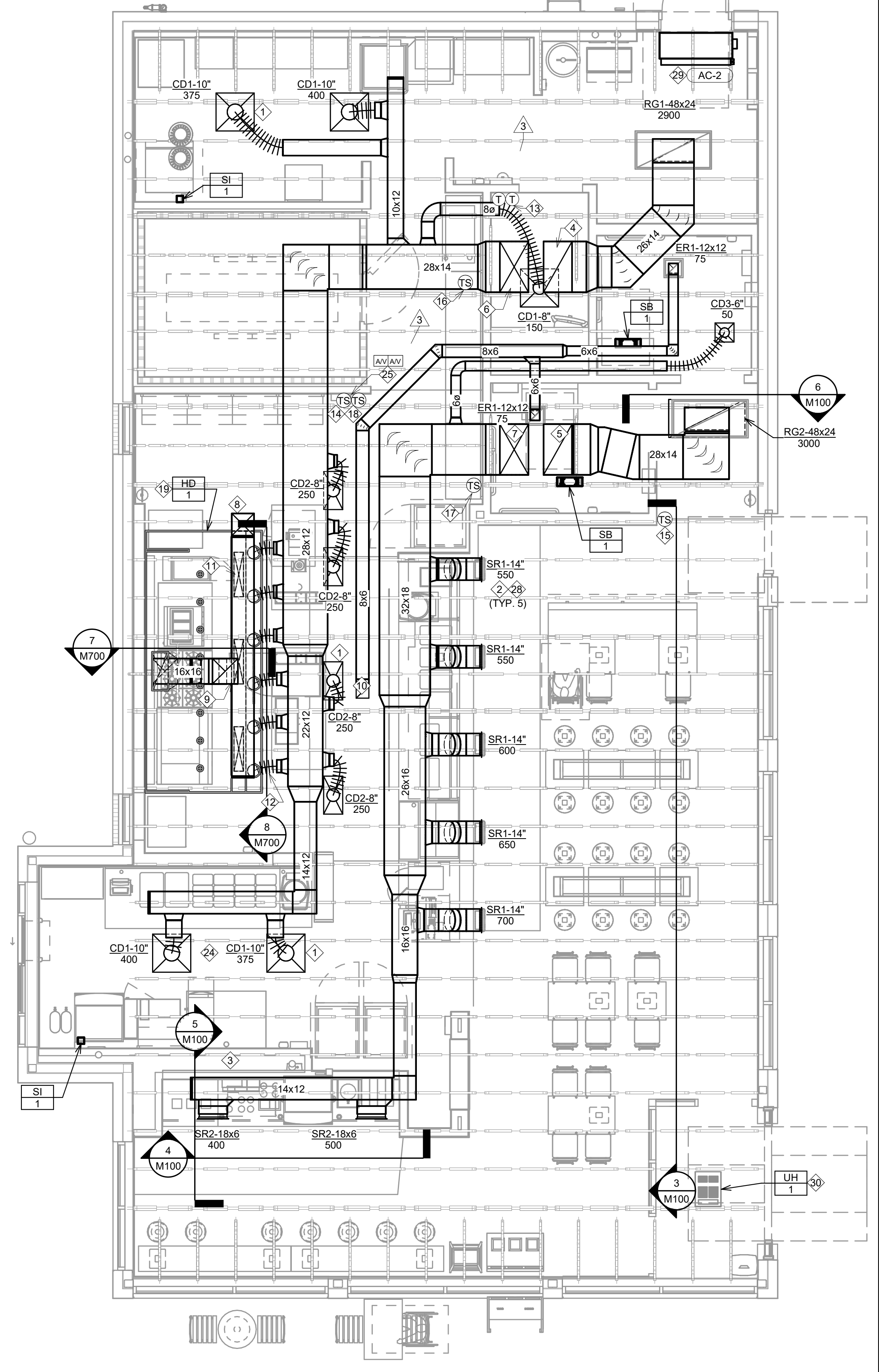
4 HVAC DINING ROOM SECTION  
1/4" = 1'-0"



3 HVAC DINING ROOM SECTION  
1/4" = 1'-0"



2 HVAC ROOF PLAN  
1/8" = 1'-0"



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

### OUTDOOR AIR CALCULATION BASED ON 2018 INTERNATIONAL MECHANICAL CODE

SPACE NAME	SPACE AREA Az (FT2)	OCCUPANCY CLASSIFICATION	ZONE POPULATION Pz(1)	O.A. RATE Rp (CFM/PERSON)	OCCUPANT O.A. Rp x Pz (CFM)	AREA O.A. RATE Ra (CFM/FT2)	AREA O.A. Ra x Az (CFM)	BREATHING ZONE O.A. Vbz=RpPz + RaAz (CFM)	ZONE DISTRIBUTION EFFECTIVENESS (Ez)	ZONE O.A. Voz=Vbz/Ez (CFM)
DINING + ENTRY	684	FOOD AND BEVERAGE: DINING ROOMS	34	7.5	255	0.18	123.1	378.1	0.8	472.6
PASSAGE	38	PUBLIC SPACES: CORRIDORS	0	0	0	0.06	2.3	2.3	0.8	2.9
KITCHEN + SCULLERY	996	FOOD AND BEVERAGE: KITCHENS (COOKING)	6	7.5	45	0.12	119.5	164.5	0.8	205.6
OFFICE	49	OFFICES: OFFICE SPACES	1	5	5	0.06	2.9	7.9	0.8	9.9
TOTAL O.A. REQUIRED										691
TOTAL O.A. PROVIDED										1500

FOOTNOTES:  
(1) - ZONE POPULATION BASED ON NET OCCUPIABLE FLOOR AREA, OR NUMBER OF FIXED SEATS IN RESTAURANT DINING AREAS

### EXHAUST AIR CALCULATION BASED ON 2018 INTERNATIONAL MECHANICAL CODE

SPACE NAME	SPACE AREA (FT2) OR PER WC/JURINAL	OCCUPANCY CLASSIFICATION	EXHAUST AIRFLOW RATE (CFM/FT2) OR PER WC/JURINAL	REQUIRED EXHAUST (CFM)	PROVIDED EXHAUST (CFM)
KITCHEN	996	FOOD AND BEVERAGE: KITCHENS (COOKING)	0.7	697.2	2550
TOILETS	2	PUBLIC SPACES: TOILET ROOMS (INTERMITTENT EXHAUST)	70	140	150
TOTALS				837.2	2700

### AIR CURTAIN SCHEDULE - ELECTRIC

EQUIPMENT TAG	APPLICATION	TYPE	NOZZLE WIDTH (IN)	AIR VELOCITY @ NOZZLE (FPM)	VELOCITY 6" ABOVE FLOOR	FAN	HEATING COIL	ELECTRICAL	MANUFACTURER	MODEL NUMBER	MECHANICAL NOTES		
						NUMBER OF FANS	TOTAL CFM	TEMP RISE (F)	CAPACITY (KW)				
AC 2	REAR SERVICE DOOR	ELECTRIC	42"	5305	8.48 FPS	1	886	36	10	208/3/60	POWERED AIRE INC	CED-1-42E	PROVIDE WITH FACTORY ON/OFF SWITCH, THERMOSTAT, MAGNETIC DOOR SWITCH, AND TIME DELAY RELAY.

2 AIR CURTAIN SHALL BE TESTED IN ACCORDANCE WITH ANSI/AMC 220 OR ISO 27327-1 AND INSTALLED IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS. ADJUST FLOW DIRECTION TO BE A MINIMUM OF 20" TOWARDS DOOR OPENING.

### SANITIZING EQUIPMENT SCHEDULE

TAG	DESCRIPTION	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		MECHANICAL NOTES
				MANUFACTURER	MODEL	
SB 1	BATHROOM AIR PURIFICATION UNIT	TUV	GC	RGF ENVIRONMENTAL GROUP	BRU ASSEMBLY	SEE ELECTRICAL SHEETS FOR CONNECTION INFORMATION.
SH 1	HVAC AIR PURIFICATION UNIT	TUV	GC	RGF ENVIRONMENTAL GROUP	REME-HALO	SEE DETAIL 6M700 FOR INSTALLATION INFORMATION.
SI 1	ICE MACHINE TREATMENT SYSTEM	TUV	GC	RGF ENVIRONMENTAL GROUP	IMS-B-GA	SEE PLUMBING DRAWINGS FOR INSTALLATION INFORMATION.

### FAN SCHEDULE

TAG	DESCRIPTION	AIRFLOW	ESP (IN W.C.)	WEIGHT (LBS)	MOTOR POWER	V / P / H	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		MECHANICAL NOTES
									MANUFACTURER	MODEL NUMBER	
EF 1	UPBLAST UL762 EXHAUST FAN	2550 CFM	1.20 IN-WG	400LB	2.0 HP	208/3/60	HS	GC	CAPTIVE-AIRE	DU180HFA	DIRECT DRIVE UL762 UPBLAST EXHAUST FAN FURNISHED WITH WEATHERPROOF DISCONNECT AND VENTED ROOF CURB
EF 2	EXHAUST FAN - TOILETS	150 CFM	0.60 IN-WG	100LB	0.18 HP	120/1/60	HS	GC	CAPTIVE-AIRE	DR12HFA	DIRECT DRIVE DOWNBLAST RESTROOM EXHAUST FAN FURNISHED WITH INTEGRAL DISCONNECT, SPEED CONTROL, BACKDRAFT DAMPER, AND CURB

### VIROGUARD SCHEDULE

TAG	DESCRIPTION	DUCT CONNECTION SIZE	FAN	FURNISHED BY	INSTALLED BY	MANUFACTURER
VG 1	VIROGUARD HOOD EXHAUST FAN ROOFTOP CONTAINMENT SYSTEM	16"x16"	CAPTIVE-AIRE DU-190HFA	TDC	GC	ENVIROMATIC

### CONDENSING UNIT SCHEDULE

TAG	DESCRIPTION	NUMBER OF		ELECTRICAL			FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		MECHANICAL NOTES
		COMPRESSORS	CIRCUITS	MCA	FLA	V/P/H			MANUFACTURER	MODEL NUMBER	
CU 1	CONDENSING UNIT - WALK-IN COOLER	1	1	15	9	208/3/60	WCS	GC	HARFORD	KPCL99MZOP-3E	FURNISHED WITH WALK-IN COOLER
CU 2	REMOTE CONDENSER - LOW CAPACITY ICE MAKER	1	1			120/1/60	KES	GC	HOSHIZAKI	URC-9FZ	FURNISHED WITH ICE MAKER
CU 3	REMOTE CONDENSER - SODA MACHINE ICE MAKER	1	1			120/1/60	KES	GC	HOSHIZAKI	URC-5FZ	FURNISHED WITH ICE MAKER

### MAKE UP AIR UNIT SCHEDULE

TAG	DESCRIPTION	AIRFLOW (CFM)	E.S.P. IN W.G.	GAS INPUT (MBH)	GAS OUTPUT (MBH)	EAT DB (F)	WEIGHT (LBS)	FAN HP	V/P/H	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		MECHANICAL NOTES
												MANUFACTURER	MODEL NUMBER	
MAU 1	DIRECT-FIRED MAKEUP AIR UNIT	1300	0.50 IN-WG	225	220	21	650	1	208/3/60	HS	GC	CAPTIVE-AIRE	A1-D.250-15D	12.5:1 MAX TURNDOWN. FURNISHED WITH DISCONNECT, ROOF CURB, SCREEN INTAKE, AND WASHABLE ALUMINUM FILTERS.

### KITCHEN EXHAUST HOOD SCHEDULE

TAG	DESCRIPTION	MAX COOKING TEMP.	AIRFLOW	E.S.P (IN W.G.)	EXHAUST PLENUM						PERFORATED SUPPLY PLENUMS						NO. OF LIGHT FIXTURES	WEIGHT (LBS)	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		MECHANICAL NOTES		
					NO.	WIDTH	LENGTH	LENGTH	WIDTH	LENGTH	WIDTH	LENGTH	NO.	WIDTH	LENGTH	AIRFLOW					DUCT COLLARS	DUCT COLLARS		NO.	DIAMETER
HD 1	TYPE I CANOPY HOOD WITH PERFORATED MAU AND AC SUPPLY PLENUMS	600°F	2550 CFM	0.97 IN-WG	1	10"	2'-0"	12'-9"	4'-3"	13'-9"	1'-7"	1300	3	6"	2'-4"	700	6	8"	8	1150	HS	GC	CAPTIVE-AIRE	5424 ND-2-ACPPS-F	MAT'L: 18 GA. TYPE 430 SS. FURNISHED WITH VERTICAL END PANELS, VAPORPROOF INCANDESCENT LIGHT FIXTURES, 16" TALL HE SS FILTERS, INTEGRAL UTILITY CABINET, KITCHEN EXHAUST SUPPRESSION SYSTEM, DUCT COLLAR TEMPERATURE SENSOR, PREWIRE PACKAGE, SPARE FIRE SYSTEM DRY CONTACT, AND 4-POLE 20A CONTACTOR.

### ROOFTOP UNIT SCHEDULE

EQUIPMENT TAG	DESCRIPTION	NOMINAL TONS	EER (SEER)	AIRFLOW			NET COOLING CAPACITY					HEATING CAPACITY			REFRIGERANT TYPE AND CHARGE	WEIGHT (LBS)	ELECTRICAL			FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		MECHANICAL NOTES	
				TOTAL CFM	OA CFM	ESP (IN W.C.)	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	EAT DB (F)	EAT WB (F)	AMBIENT TEMPERATURE (F)	NUMBER OF COMPRESSORS & CIRCUITS	GAS INPUT (MBH)	GAS OUTPUT (MBH)			EAT (F)	MOCP	MCA			ELEC	MANUFACTURER		MODEL NUMBER
RTU 1	ROOF TOP UNIT - KITCHEN	8.5	11.0 (14.6)	3400	500	0.5	106.1	76.1	79.2	67.2	95	2 & 1	150	121.5	57.0	R410A & 9.5LB	1209	60	48	208/3/60	HES	GC	TRANE	YSJ102A3SOM	FURNISHED WITH COMP. ENTHALPY ECON., BAROMETRIC RELIEF, RET. SMOKE DETECTOR W/ REMOTE KEYED ANNUNCIATOR/RESET, M.O.D., MERV-8 FILTERS, CURB, HAIL GUARD, TOOLLESS HINGED ACCESS PANELS, DISCONNECT, & UNIT-MOUNTED CONVENIENCE RECEPTACLE
RTU 2	ROOF TOP UNIT - DINING	8.5	11.0 (14.6)	4000	1000	0.5	109.5	84.8	80.8	68.2	95	2 & 1	150	121.5	48.2	R410A & 9.5LB	1209	60	48	208/3/60	HES	GC	TRANE	YSJ102A3SOM	FURNISHED WITH COMP. ENTHALPY ECON., BAROMETRIC RELIEF, RET. SMOKE DETECTOR W/ REMOTE KEYED ANNUNCIATOR/RESET, M.O.D., MERV-8 FILTERS, CURB, HAIL GUARD, TOOLLESS HINGED ACCESS PANELS, DISCONNECT, & UNIT-MOUNTED CONVENIENCE RECEPTACLE

### CONTROL FUNCTIONS

A. THE MAIN COOKING EXHAUST FAN AND MAKE-UP AIR UNIT SHALL BE INTERLOCKED TO OPERATE TOGETHER. THIS CONTROL CIRCUIT IS ACTIVATED BY A SWITCH AND INCLUDES A FIRE PROTECTION OVERRIDE.

B. THE TEMPERATURE IN EACH ZONE IS CONTROLLED BY SPACE TEMPERATURE SENSORS CONNECTED TO THE THERMOSTATS LOCATED IN THE OFFICE. ALL ZONES SHALL OPERATE WITH CONTINUOUS FAN OPERATION DURING OCCUPIED TIMES AND INTERMITTENTLY AS NEEDED TO MAINTAIN SET POINTS DURING UNOCCUPIED TIMES. OUTSIDE AIR DAMPERS SHALL BE OPEN CONTINUOUSLY WHEN EITHER IN OCCUPIED MODE OR WHEN THE HOOD SYSTEM IS ON AND SHALL BE CLOSED DURING UNOCCUPIED PERIODS.

C. THE THERMOSTATS SHALL DETERMINE OCCUPIED/UNOCCUPIED STATUS BASED ON THE SCHEDULE IN THE ENERGY MANAGEMENT SYSTEM.

### AIR BALANCE SCHEDULE

TAG	SUPPLY FLOW (CFM)	RETURN FLOW (CFM)	EXHAUST FLOW (CFM)	SUBTOTAL (CFM)
EF-1	0	0	2550	-2550
EF-2	0	0	150	-150
MAU-1	1300	0	0	1300
RTU-1	3400	2900	0	500
RTU-2	4000	3000	0	1000
NET PRESSURIZATION (CFM)				100

### AIR TERMINAL SCHEDULE

TAG	DESCRIPTION	FACE SIZE	MATERIAL	FINISH	MOUNTING	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		MECHANICAL NOTES
								MANUFACTURER	MODEL	
CD1	PERFORATED CEILING DIFFUSER	24" X 24"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4320A TYPE L	PROVIDE WITH INTEGRAL OBD
CD2	PERFORATED CEILING DIFFUSER	24" X 12"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4320A TYPE L	PROVIDE WITH INTEGRAL OBD, REMOVE 4-WAY DEFLECTORS
CD3	PERFORATED CEILING DIFFUSER	24" X 24"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4320A TYPE S	PROVIDE WITH INTEGRAL OBD
ER1	PERFORATED CEILING EXHAUST	12" X 12"	ALUMINUM	WHITE	SURFACE MOUNT	GC	GC	NAILOR	4330R TYPE S	PROVIDE WITH INTEGRAL OBD
RG1	PERFORATED CEILING RETURN	48" X 24"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4330R TYPE L	-
RG2	PERFORATED CEILING RETURN	48" X 24"	ALUMINUM	WHITE	SURFACE MOUNT	GC	GC	NAILOR	4330R TYPE S	-
SR1	ADJUSTABLE TURBO NOZZLE	SEE NECK SIZE	ALUMINUM	WHITE	WALL	GC	GC	AIR CONCEPTS	ANR-14	PROVIDE WITH CONCEALED MOUNTING AND FACE-ACCESSIBLE OBD
SR2	DOUBLE DEFLECTION SUPPLY REGISTER	SEE NECK SIZE	ALUMINUM	WHITE	WALL	GC	GC	NAILOR	51DH	PROVIDE WITH INTEGRAL OBD

### UNIT HEATER SCHEDULE

EQUIPMENT TAG	APPLICATION	TYPE	ELECTRICAL DATA	CAPACITY (KW)	FURNISHED BY	INSTALLED BY	MANUFACTURER	MODEL NUMBER	MECHANICAL NOTES
UH 1	CEILING-MOUNTED UNIT HEATER	CEILING	208/1/60	3.0	GC	GC	INDEECO	931U04000V	PROVIDE WITH CONTROLS REQUIRED TO MEET MN ENERGY CODE.



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 PROJECT INFORMATION:

STORE NO.: 5307  
 "CLOCKTOWER COMMONS"  
 CROSSTOWN BLVD NW &  
 HANSON BLVD NW  
 ANDOVER, MN 55304

SEAL:  
 I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

*Gregory M. Steinmetz*  
 Gregory M. Steinmetz, P.E.  
 25404  
 License # 11/12/2024  
 Date

PROJECT NO. 2023-0519  
 DRAWN BY TSB  
 CHECKED BY GMS

ISSUE RECORD:  
 05.28.2024 CHECK SET  
 06.03.2024 PERMIT SET  
 08.20.2024 BID SET  
 11.12.2024 CONSTRUCTION SET

REVISIONS:  
 2 08/20/2024 City Comments  
 3 10/08/2024 Mechanical Comments

TITLE:  
 HVAC SCHEDULES





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SEAL:  
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.  
*Gregory M. Steinmetz*  
Signature  
Gregory M. Steinmetz, P.E.  
Typed or Printed Name  
25404 11/12/2024  
License # Date

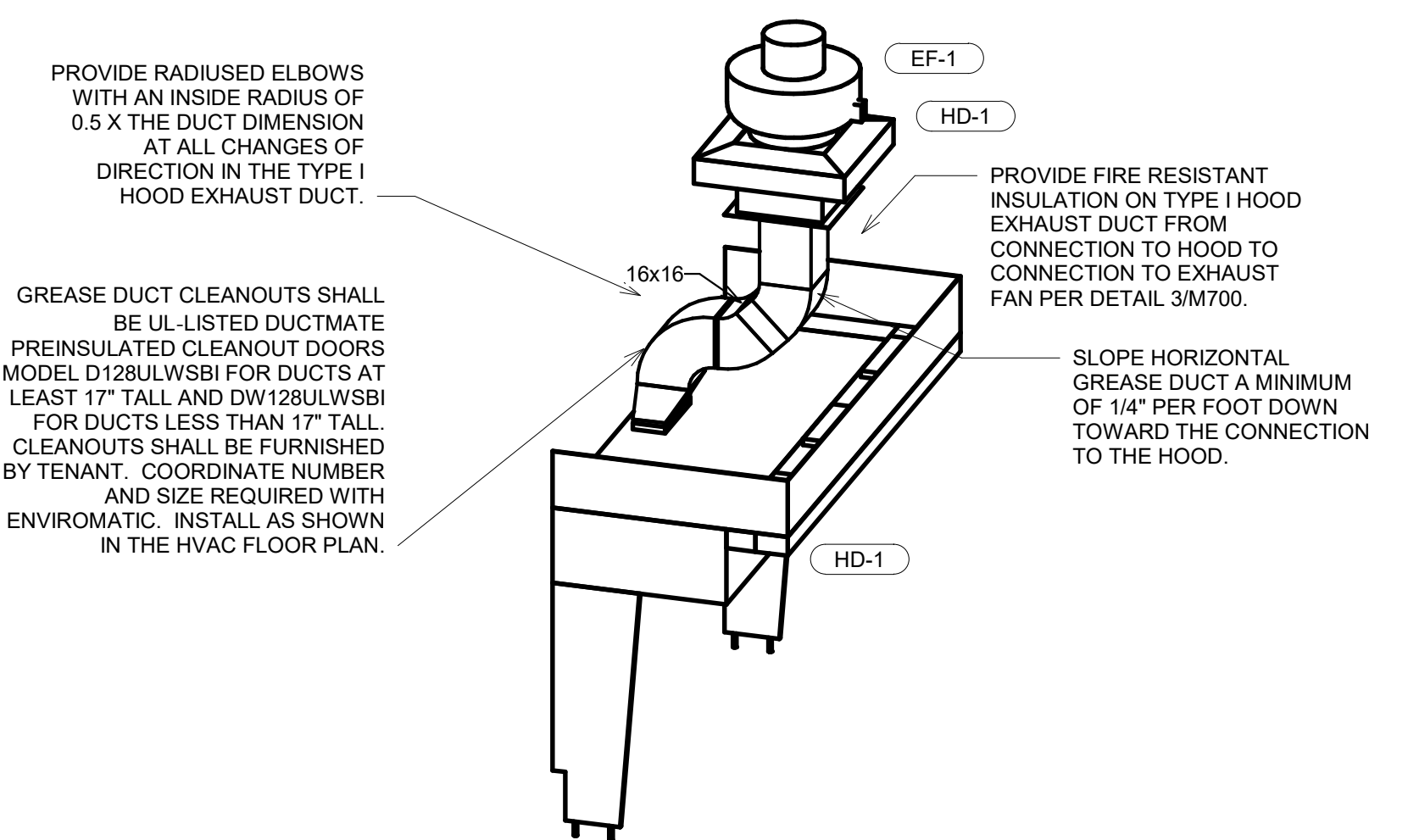
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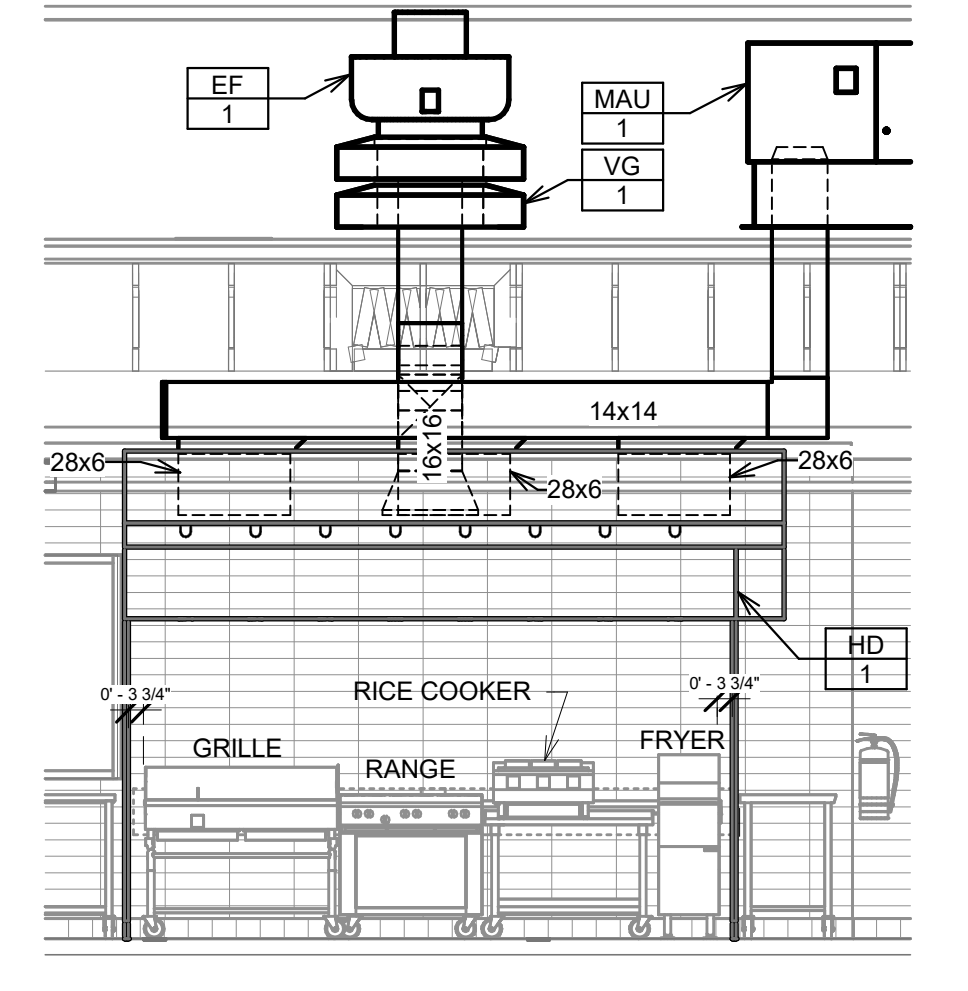
REVISIONS:  
3 10/08/2024 Mechanical Comments

TITLE:  
HVAC DETAILS

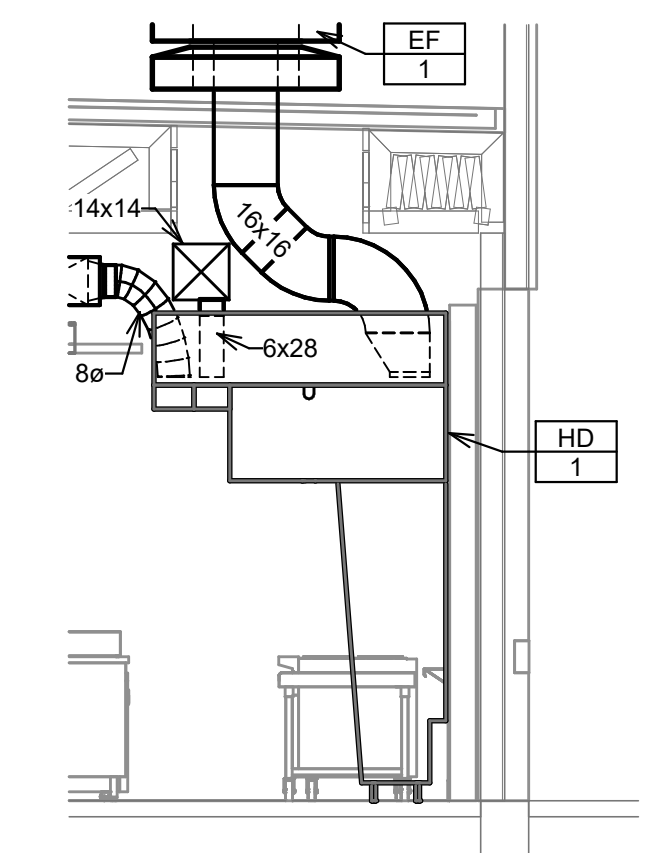
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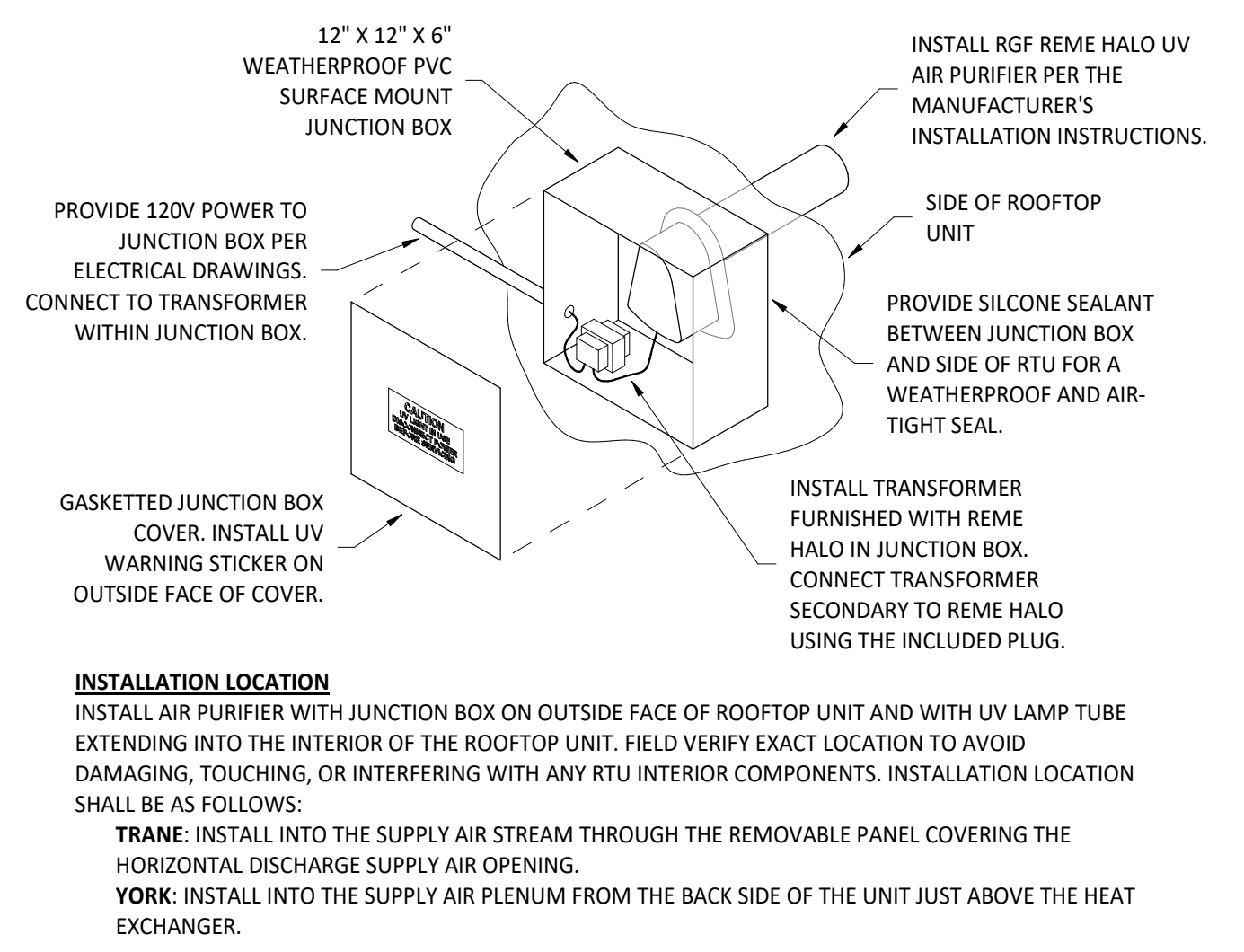
9 Riser - Grease exhaust



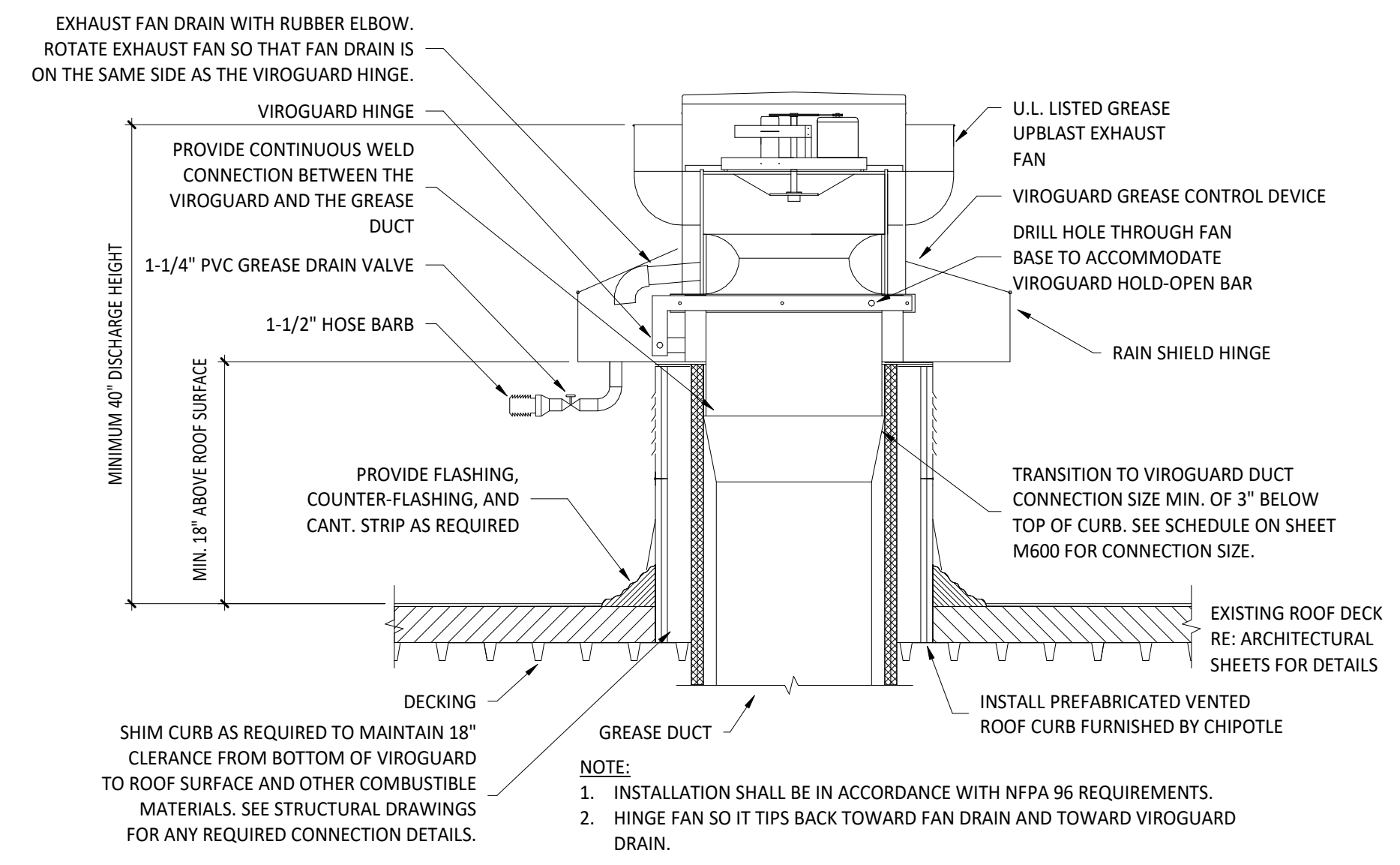
8 HVAC DINING ROOM SUPPLY  
1/4" = 1'-0"



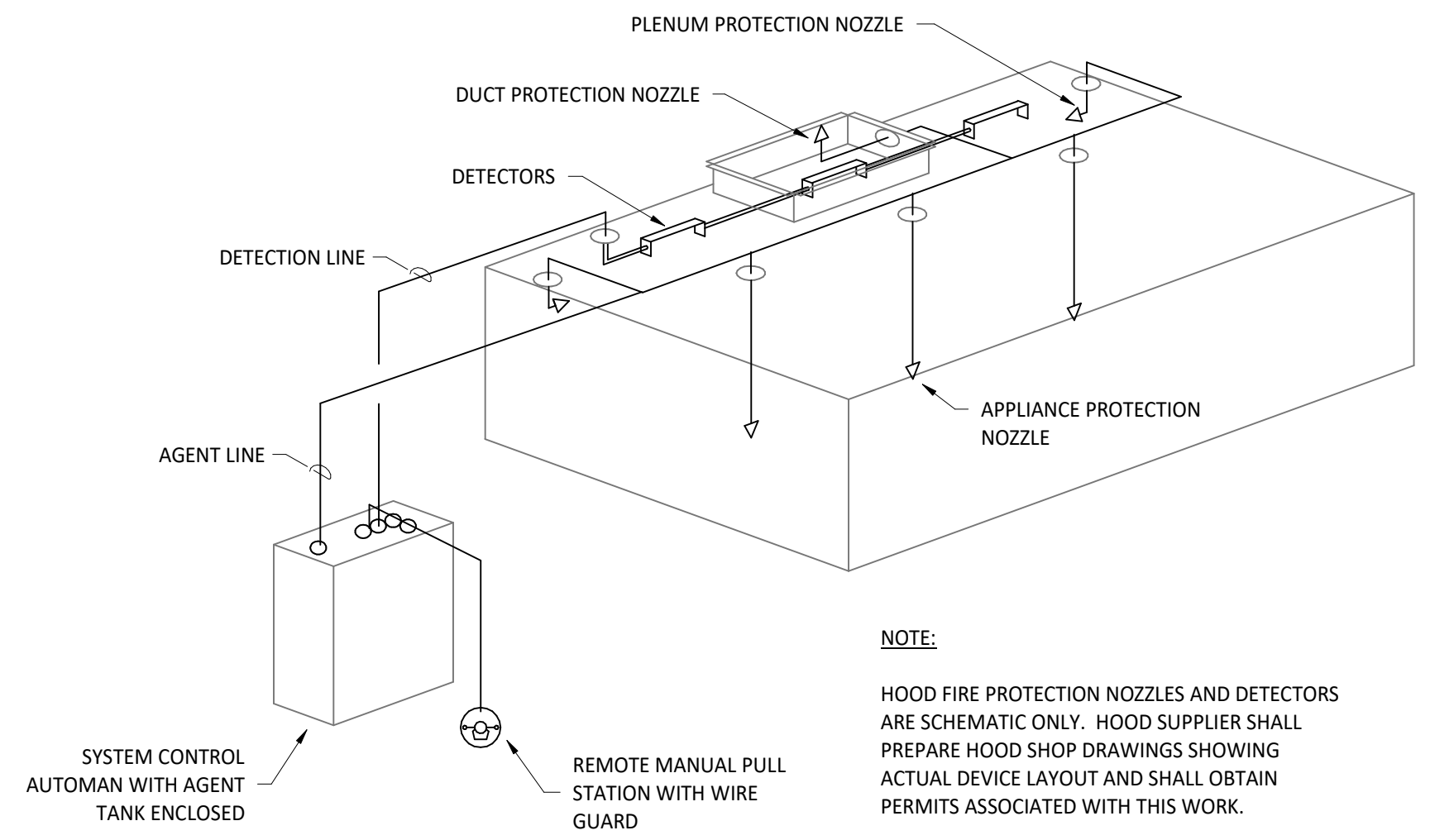
7 HVAC DINING ROOM SUPPLY  
1/4" = 1'-0"



6 UV AIR PURIFIER INSTALLATION  
NO SCALE

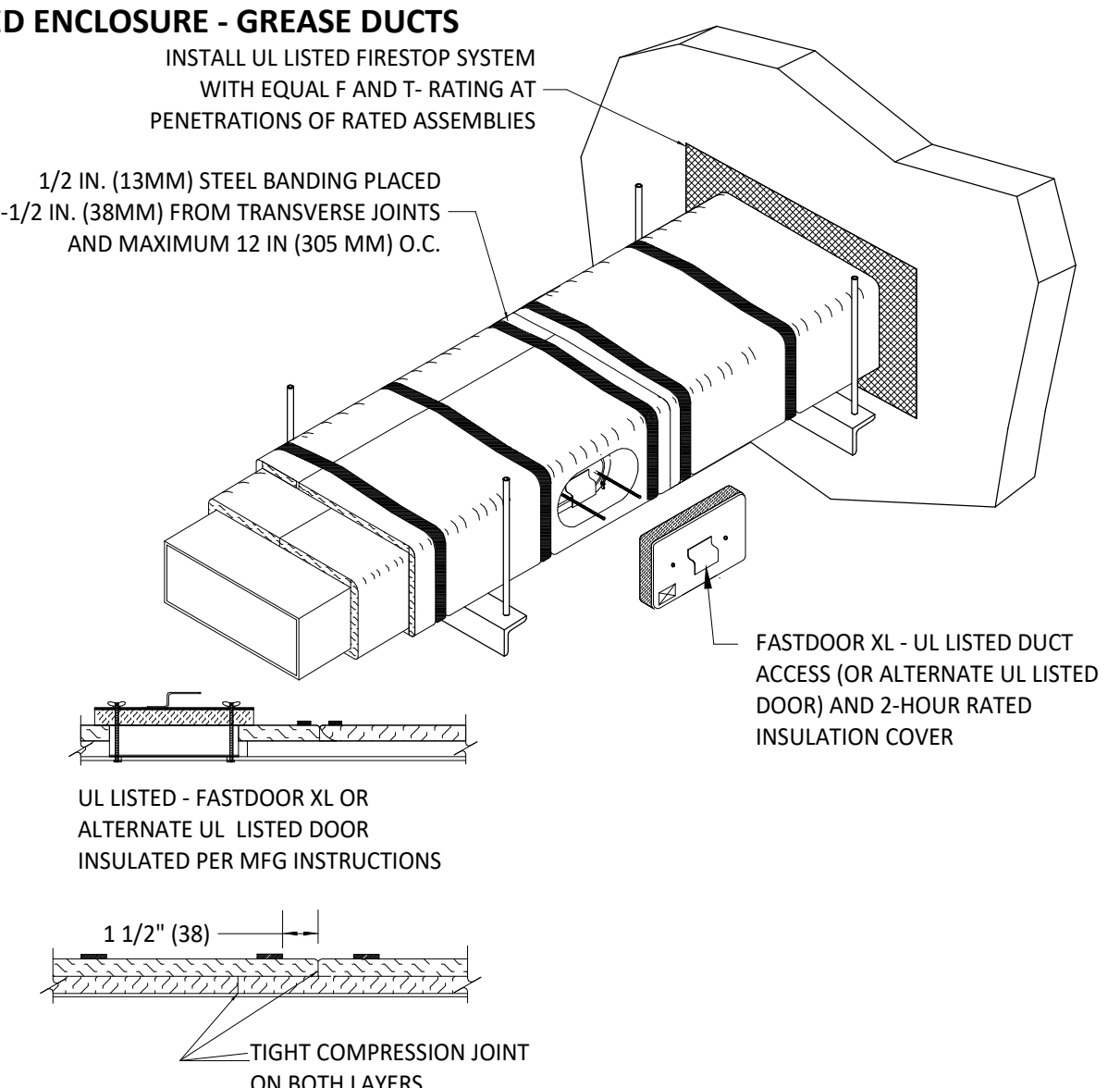


5 GREASE EXHAUST FAN  
NO SCALE

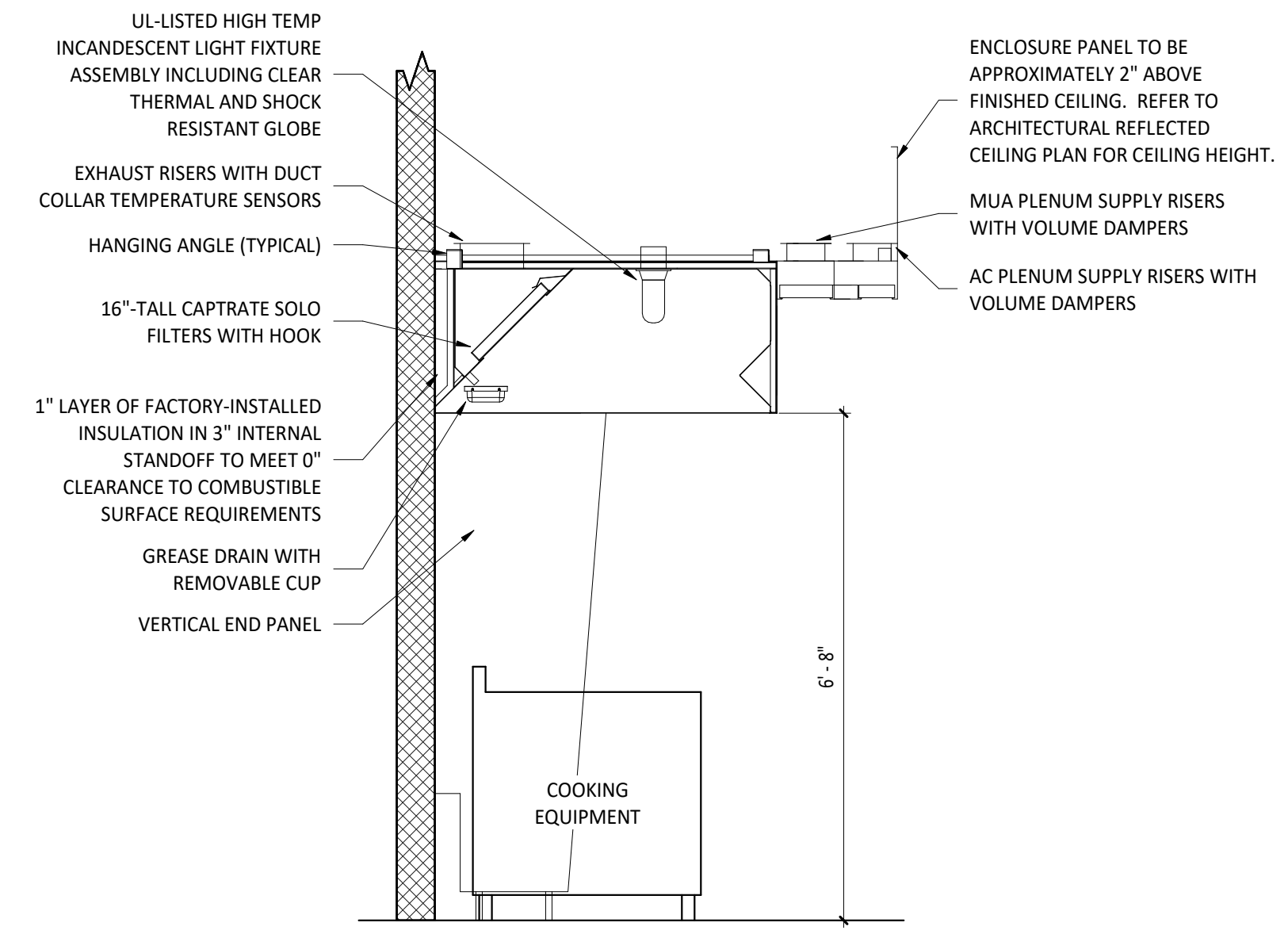


4 FIRE SUPPRESSION SYSTEM SCHEMATIC  
NO SCALE

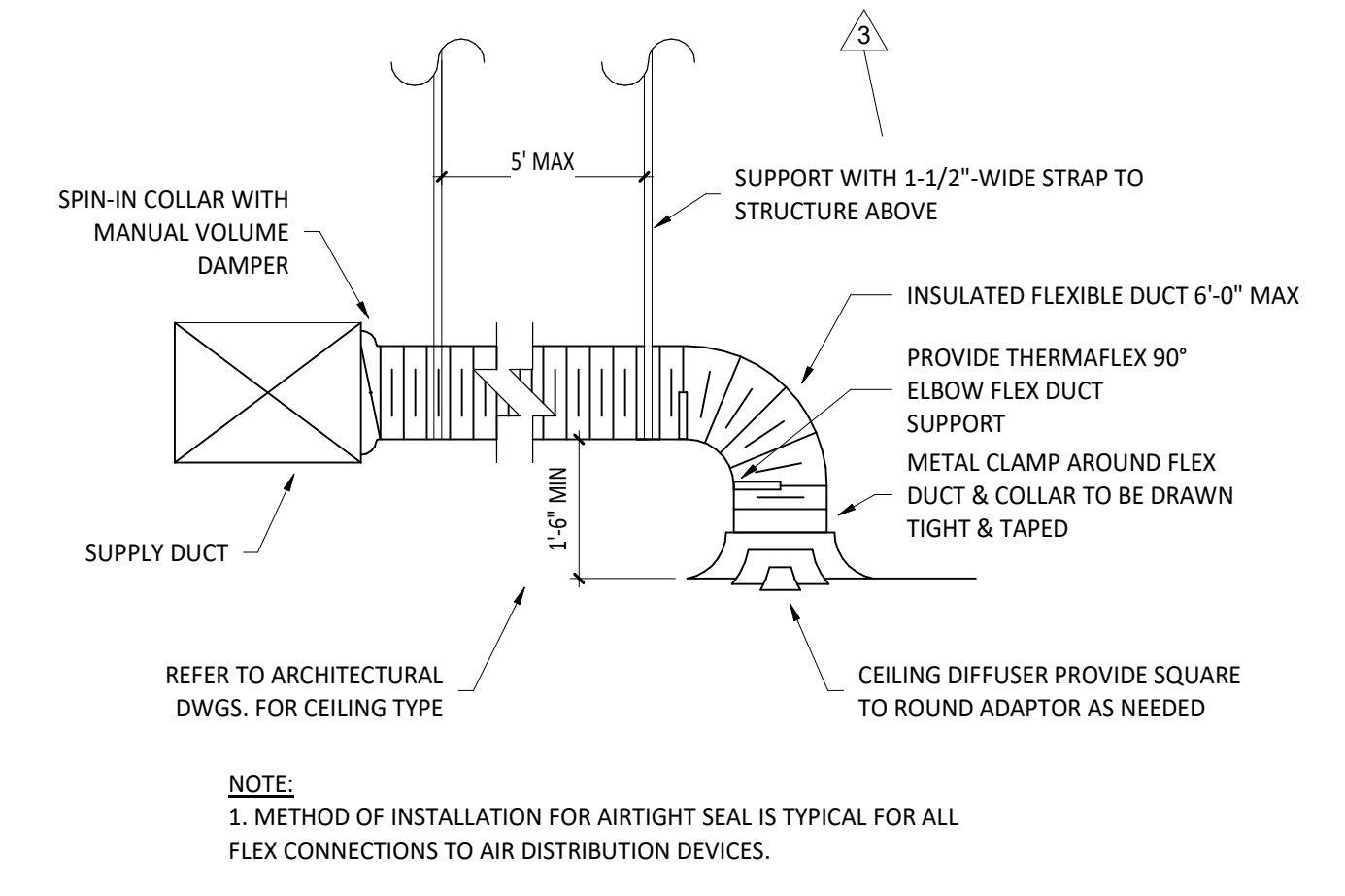
- FIRE RATED ENCLOSURE - GREASE DUCTS**
- THERMAL CERAMICS FIREMASTER FASTWRAP XL IS TESTED TO ASTM E2336 AND UL LISTED PER HNK1-G18 TO PROVIDE ZERO CLEARANCE TO COMBUSTIBLES AND TO PROVIDE A 1- OR 2-HOUR ENCLOSURE. THROUGH PENETRATIONS FIRESTOP SYSTEMS ARE TESTED IN ACCORDANCE WITH ASTM E 814 (UL 1479). ICC CODE EVALUATION PER REPORT UL ER 14229-01.
  - COMPLIANT TO THE FOLLOWING CODES:  
NFPA 96  
INTERNATIONAL MECHANICAL CODES  
UNIFORM MECHANICAL CODE  
CALIFORNIA MECHANICAL CODE
  - INSULATION APPLIED IN TWO LAYERS WITH TIGHT COMPRESSION JOINT ON BOTH LAYERS AT ALL JOINTS.
  - MINIMUM 16 GAUGE CARBON STEEL (OR 18 GAGE STAINLESS STEEL) RECTANGULAR OR ROUND GREASE EXHAUST DUCT
  - INSTALL UL LISTED AND LIQUID TIGHT THERMAL CERAMICS FASTDOOR XL ACCESS DOORS, OR ALTERNATE DOOR UL LISTED PER UL1978, AT ALL CHANGES IN DIRECTION AND AT MINIMUM EVERY 20 FT ON HORIZONTAL RUNS.
  - SUPPORT HANGER SYSTEMS DO NOT NEED TO BE WRAPPED PROVIDED THE HANGER RODS ARE MINIMUM OF 3/8 IN. DIAMETER AND SUPPORTS ARE MINIMUM 2 X 2 X 1/8 IN. STEEL ANGLE OR SMACNA EQUIVALENT SUPPORT SYSTEM.
  - THERMAL CERAMICS DUCT WRAP SHALL BE INSTALLED DIRECTLY ONTO THE DUCT AND APPLIED FROM THE HOOD CONNECTION TO THE CONNECTION TO THE FAN.
  - THERMAL CERAMICS DUCT ENCLOSURE SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND UL LISTINGS.



3 FIREMASTER DUCT WRAP - UL HNK1-G18  
NO SCALE



2 HOOD SECTION VIEW  
NO SCALE



1 DIFFUSER CONNECTION  
NO SCALE



**KEY NOTES:**

- LANDLORD PROVIDED 1-1/2" CW SERVICE. VERIFY LOCATION IN FIELD.
- PROVIDE 1/2" FILTERED WATER TO THE BAG-IN-BOX SODA CARBONATOR AT 102" AFF. SODA CARBONATOR SHALL HAVE AN INTEGRAL ASSE 1022-RATED CARBONATED BEVERAGE BACKFLOW PREVENTION DEVICE.
- PROVIDE WATER HEATERS DWH-1 AND DWH-2 PER DETAIL 1/P700.
- PROVIDE WATER FILTERS MOUNTED TO WALL PER DETAIL 11/P700. PROVIDE 1/2" SUPPLY PIPES FROM FILTERS TO ICE MAKER AND SODA CARBONATOR AS SHOWN.
- PROVIDE 1/2" FILTERED WATER ROUGH-IN TO THE ICE MAKER AT 56" AFF. PROVIDE 6' LONG STAINLESS STEEL FLEXIBLE BRAIDED WASHING MACHINE WATER CONNECTOR WITH MINIMUM 0.43" ID (BRASSCRAFT SL12-72WA F OR EQUAL) FOR FINAL CONNECTION TO ICE MAKER.
- PROVIDE DOMESTIC WATER ROUGH-IN FOR THE MOP BASIN FAUCET AT 36" AFF. PROVIDE DOMESTIC WATER ROUGH-INS FOR THE CHEMICAL DISPENSER FAUCET (HB-1) AT 52" AFF DIRECTLY ABOVE THE MOP BASIN FAUCET. SEE ARCHITECTURAL ELEVATION FOR ADDITIONAL INFORMATION.
- CONNECT TO LANDLORD PROVIDED GAS SERVICE. VERIFY LOCATION IN FIELD.
- PROVIDE GAS CONNECTIONS TO THE COOKING EQUIPMENT PER DETAIL 7/P700.
- SUPPORT THE GAS PIPE ON THE ROOF PER DETAIL 5/P700. WOOD BLOCKING IS NOT AN ACCEPTABLE METHOD OF SUPPORTING THE GAS PIPE.
- PROVIDE ACCESSIBLE LINE-SIZED GAS VALVE, DIRT LEG, AND UNION AT GAS CONNECTION TO THE EQUIPMENT.
- REFER TO ARCHITECTURAL DRAWINGS FOR PAINTING OF INTERIOR AND EXTERIOR EXPOSED GAS PIPE.
- PROVIDE DOMESTIC WATER ROUGH-INS FOR THE CHEMICAL DISPENSER FAUCET (HB-1) AT 52" AFF. SEE ARCHITECTURAL ELEVATION FOR ADDITIONAL INFORMATION.

**KEY NOTES (CONTINUED):**

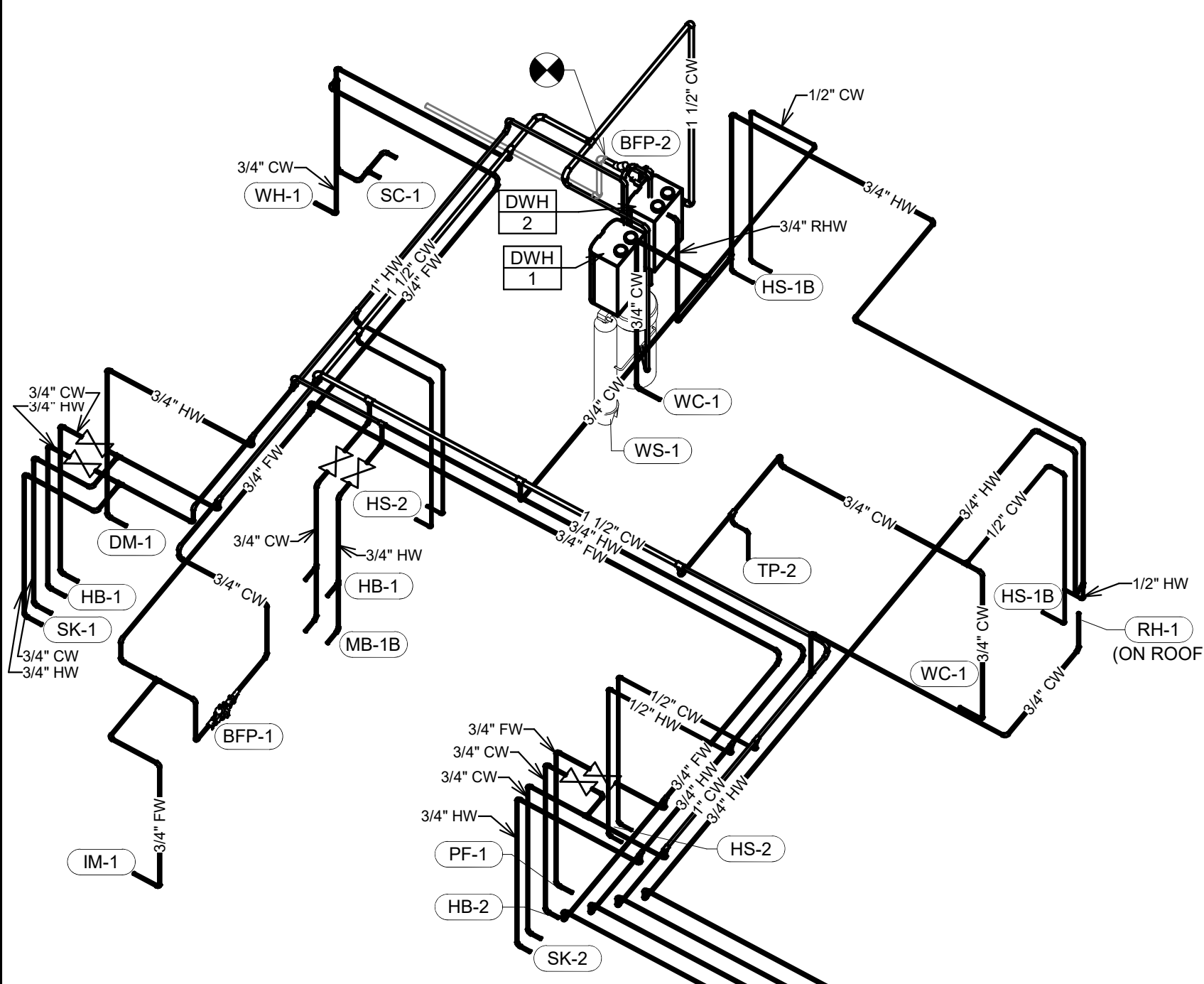
- PROVIDE DOMESTIC WATER ROUGH-INS FOR THE VICTORY WASH DISPENSER FAUCET (HB-2) AT 52" AFF. SEE ARCHITECTURAL ELEVATION FOR ADDITIONAL INFORMATION.
- PROVIDE ROUGH-INS TO RESTROOM HAND SINKS AS SHOWN IN DETAIL 14/P700.
- PROVIDE KITCHEN EQUIPMENT GAS SHUTOFF 6" BELOW THE CEILING PER DETAIL 4/P700.
- CONNECT CHEMICAL DISPENSER TO HB-1. CHEMICAL DISPENSER HAS AN INTEGRAL AIR GAP AS IS SHOWN IN DETAIL 10/P700.
- PROVIDE ASSE 1016/1070 POINT-OF-USE THERMOSTATIC MIXING VALVE, WATTS LFUSG-8, ON WATER SUPPLY TO KITCHEN HAND SINKS. PROVIDE ANGLE STOP BELOW SINK, FASTEN MIXING VALVE TO WALL, AND MAKE FINAL CONNECTION FROM ANGLE STOPS TO MIXING VALVE AND FROM MIXING VALVE TO FAUCET USING BRAIDED STAINLESS STEEL HOSE. ADJUST MIXING VALVE FOR A DISCHARGE TEMPERATURE OF APPROXIMATELY 110° F.
- PROVIDE ACCESSIBLE VALVE IN WATER SUPPLY TO FIXTURE AS SHOWN.
- PROVIDE GAS CONNECTION TO THE RICE COOKER PER DETAIL 6/P700.
- PROVIDE GAS ROUGH-IN TO FRYER BEHIND RICE COOKER TABLE SO THAT VALVES AND DIRT LEG ARE ACCESSIBLE ONCE FRYER IS SECURED INTO PLACE.
- PROVIDE 1/2" FILTERED WATER ROUGH-IN TO THE ICE MAKER AT 24" AFF. PROVIDE 6' LONG STAINLESS STEEL FLEXIBLE BRAIDED WASHING MACHINE WATER CONNECTOR WITH MINIMUM 0.43" ID (BRASSCRAFT SL12-72WA F OR EQUAL) FOR FINAL CONNECTION TO ICE MAKER.
- INSTALL RGF IMSB ICE MAKER SANITIZER FURNISHED BY TUV PER CHIPOTLE'S INSTALLATION INSTRUCTIONS.
- PROVIDE 3/4" DOMESTIC HOT AND COLD WATER ROUGH-INS FOR THE PREP SINK (SK-2) FAUCET AT 24" AFF TO ALLOW FOR THE VICTORY WASH CHEMICAL DOCK TO BE INSTALLED DIRECTLY BELOW THE PREP SINK BASIN. MAKE FINAL CONNECTION TO PREP SINK FAUCET USING 3/4" BRAIDED STAINLESS STEEL WATER HEATER CONNECTOR HOSE.

**KEY NOTES (CONTINUED):**

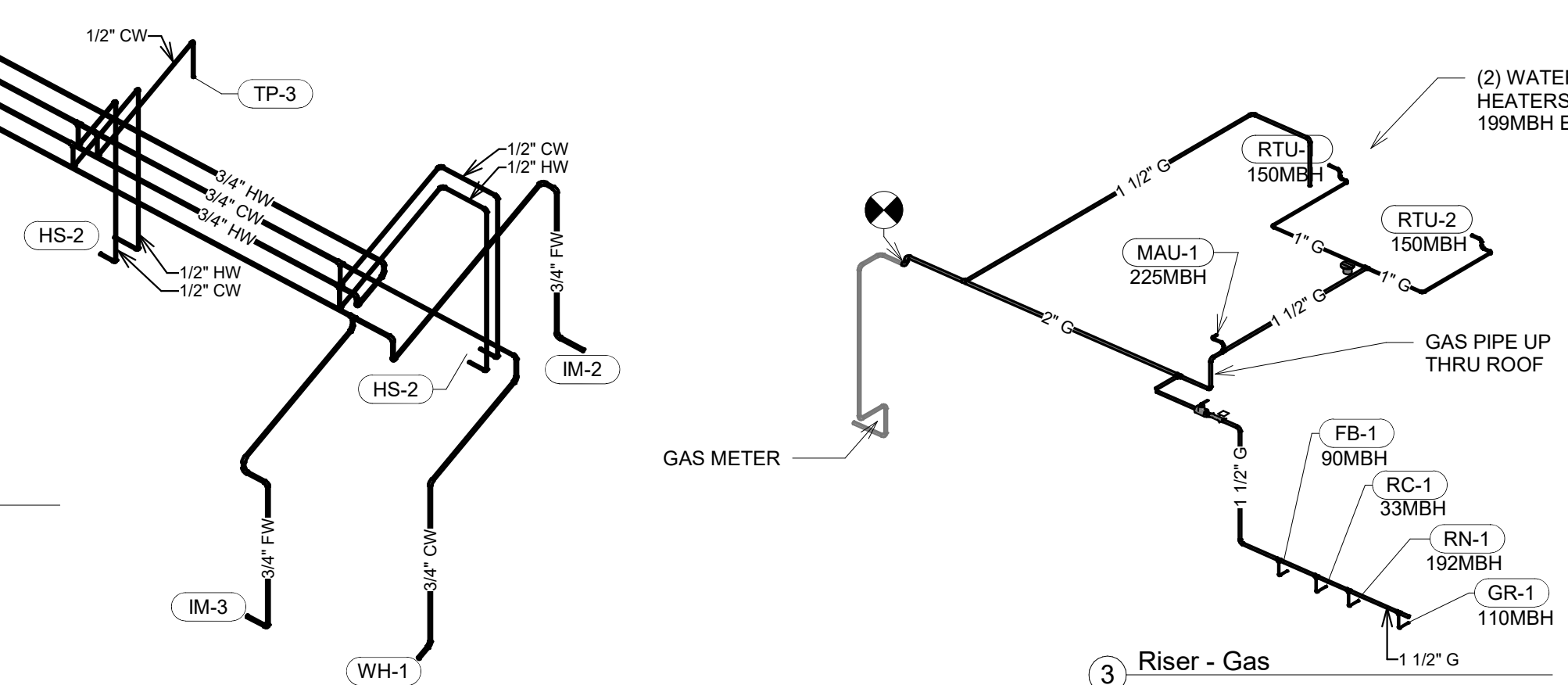
- PROVIDE 3/4" HOT WATER TO THE DISH MACHINE, MAKING FINAL CONNECTION USING HOSE FURNISHED WITH DISH MACHINE. PROVIDE WATER HAMMER ARRESTOR ON HOT WATER LINE. PROVIDE AN ACCESSIBLE SHUTOFF VALVE BELOW THE DISH MACHINE AND INSTALL THE STRAINER FURNISHED WITH THE DISH MACHINE IN AN ACCESSIBLE LOCATION AT THE CONNECTION TO THE UNIT.
- PROVIDE ROOF HYDRANT RH-1 WITH BOTTOM OF NOZZLE INSTALLED 24" ABOVE THE BOTTOM OF ROOF DECK. PROVIDE ACCESSIBLE ISOLATION VALVE IN WATER SUPPLY TO ROOF HYDRANT. SUPPORT ROOF HYDRANT PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- PROVIDE FILTERED DOMESTIC WATER ROUGH-IN FOR THE SPEED FILL POT FILLER FAUCET (PF-1) AT 40" AFF. SEE ARCHITECTURAL ELEVATION FOR DETAIL.
- PROVIDE WATER SERVICE ENTRY PER DETAIL 16/P700.
- INSTALL RGF IMSB ICE MAKER SANITIZER FURNISHED BY TUV PER CHIPOTLE'S INSTALLATION INSTRUCTIONS. LOCATE IMSB BELOW UTENSIL COUNTER IN A LOCATION THAT DOES NOT INTERFERE WITH THE ROLLING RACK BELOW THE UTENSIL COUNTER.
- PENETRATIONS THROUGH SHEAR WALL SHALL BE LIMITED TO 10" DIAMETER (OR A GROUP OF PENETRATIONS ALL CONTAINED WITHIN 10" DIAMETER). IF LARGER PENETRATIONS OR GROUPS OF PENETRATIONS ARE REQUIRED COORDINATE WITH STRUCTURAL ENGINEER FOR APPROPRIATE BRACING. SEE STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATION.
- PROVIDE ACCESSIBLE TRAP PRIMER ABOVE LAY-IN CEILING AS SHOWN. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH A SERVICE VALVE AT THE TRAP PRIMER INLET. PROVIDE 1/2" DISTRIBUTION PIPE(S) TO FLOOR DRAIN TRAP PRIMER CONNECTION(S) AS SHOWN. HORIZONTAL DISTRIBUTION PIPING SHALL HAVE CONTINUOUS SLOPE TO THE FLOOR DRAIN(S).
- WATER SOFTENER INSTALLED ON DUNNAGE RACK ON FLOOR. SOFT WATER SHALL FEED WATER HEATER. REFER TO DETAIL 19/P700.
- REPLACE STOCK WATER CLOSET HANDLE WITH UNIVERSAL CABLE-OPERATED HANDLE (FLUSHMATE AP300503 OR AP300504 - FIELD VERIFY COMPATIBILITY WITH FLUSHMATE SYSTEM IN WATER CLOSET).

**PLUMBING FIXTURE SUPPLY CONNECTIONS**

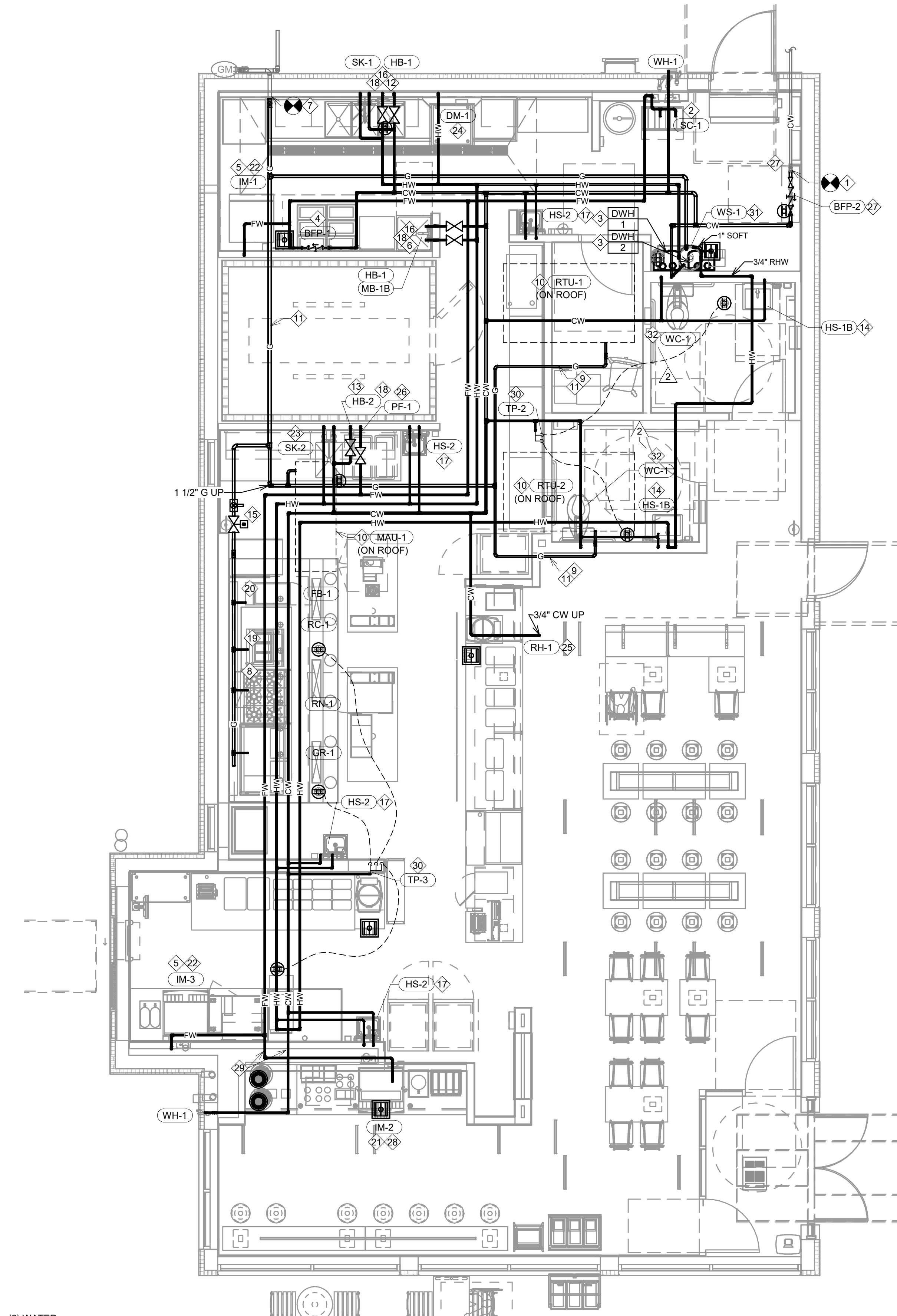
ROUGH-IN TYPE KEY							
ANGLE	DESCRIPTION	CONNECTION SIZE	ROUGH-IN TYPE	WFSU	COUNT	TOTAL WFSU	
ANGLE 3/8"	BRASS CRAFT KTR19 OR EQUAL (BRASS/CHROME 1/4 TURN ANGLED BALL STOP WITH 3/8" COMPRESSION CONNECTION)						
ANGLE 1/2"	BRASS CRAFT R39X C OR EQUAL (BRASS/CHROME MULTI-TURN ANGLED STOP WITH 1/2" COMPRESSION CONNECTION)						
ANGLE 3/4"	EVERFLOW 74342-NL W/ 3/4" SWEAT X MIP ADAPTER OR EQUAL (BRASS ANGLE STOP W/ 3/4" FIP INLET AND OUTLET)						
DIRECT	PROVIDE COPPER PIPE IN CONNECTION SIZE SHOWN TO FIXTURE						
HOSE 1/2"	ARROWHEAD BRASS WM50F OR EQUAL (BRASS/CHROME WASHING MACHINE VALVE W/ 3/4" MHT OUTLET)						
MIP	PROVIDE PIPE WITH MIP THREAD STUBBED OUT OF WALL IN CONNECTION SIZE SHOWN AND LENGTH COMPATIBLE WITH FIXTURE AND WALL MATERIAL/FINISHES.						
TAG	DESCRIPTION	CW	HW	ROUGH-IN TYPE	WFSU	COUNT	TOTAL WFSU
BFP-1	RPZ BACKFLOW PREVENTER	1/2"		DIRECT		1	0
BFP-2	RPZ BACKFLOW PREVENTER	1-1/2"		DIRECT		1	0
DM-1	DISH SANITIZING MACHINE (PUMPED OUTLET)		3/4"	ANGLE 3/4"	3	1	3
ET-1	EXPANSION TANK	3/4"		DIRECT		1	0
HB-1	CHEMICAL DISPENSER HOSE BIBB	1/2"	1/2"	MIP	2.5	2	5
HB-2	VEGETABLE WASH HOSE BIBB	1/2"		MIP	1	1	1
HS-1B	RESTROOM HAND SINK FAUCET	1/2"	1/2"	ANGLE 3/8"	1	2	2
HS-2	KITCHEN HAND SINK	1/2"	1/2"	ANGLE 3/8"	1.5	4	6
IM-1,2,3	ICE MAKERS	1/2"		HOSE 1/2"	1	3	3
MB-1B	MOP SINK FAUCET	1/2"	1/2"	MIP	3	1	3
PF-1	SPEED FILL FAUCET	3/8"		MIP	1.5	1	1.5
RH-1	FREEZE PROOF ROOF HYDRANT	3/4"		DIRECT	1	1	1
SC-1	BAG-IN-BOX SODA RACK WITH CARBONATORS	1/2"		ANGLE 3/8"	1	1	1
SK-1	THREE COMPARTMENT SINK	1/2"	1/2"	ANGLE 1/2"	4	1	4
SK-2	PREP SINK	3/4"	3/4"	ANGLE 3/4"	4	1	4
TP-2	TRAP PRIMER (TWO FLOOR DRAINS)	1/2"		DIRECT		1	0
TP-3	TRAP PRIMER (THREE FLOOR DRAINS)	1/2"		DIRECT		1	0
WC-1	WATER CLOSET	1/2"		ANGLE 3/8"	2	2	4
WH-1	FREEZE PROOF WALL HYDRANT	3/4"		DIRECT	1	2	2
<b>GRAND TOTAL</b>							<b>40.5</b>



2 Riser - Domestic Water



3 Riser - Gas



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

**PLUMBING GAS CONNECTIONS**

TAG	DESCRIPTION	CONNECTION SIZE	EQUIVALENT LENGTH	INPUT
DWH-1	WATER HEATER (GAS TANKLESS)	3/4"	37'	199000 Btu/h
DWH-2	WATER HEATER (GAS TANKLESS)	3/4"	37'	199000 Btu/h
FB-1	GAS FRYER	3/4"	65'	90000 Btu/h
GR-1	GAS GRIDDLE	3/4"	76'	110000 Btu/h
MAU-1	DIRECT-FIRED MAKEUP AIR UNIT	1/2"	73'	225000 Btu/h
RC-1	RICE COOKER	3/4"	69'	33000 Btu/h
RN-1	6 BURNER RANGE	3/4"	71'	192000 Btu/h
RTU-1	KITCHEN ROOFTOP UNIT	3/4"	77'	150000 Btu/h
RTU-2	DINING ROOM ROOFTOP UNIT	3/4"	76'	150000 Btu/h
<b>GRAND TOTAL</b>				<b>MAX: 77' 1348000 Btu/h</b>

- NOTES:
- PRESSURE REQUIRED AFTER METER: 7" W.C.
  - DISTANCES ARE APPROXIMATE
  - PIPE SIZING IS BASED OFF TABLE 402.4(2)A OF THE 2020 MN FUEL GAS CODE, WITH A MAXIMUM EFFECTIVE LENGTH = 100'

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 PROJECT INFORMATION:

STORE NO.: 5307  
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 CROSSTOWN BLVD NW &  
 HANSON BLVD NW  
 ANDOVER, MN 55304

Signature:  
  
 Gregory M. Steinmetz, P.E.  
 Typed or Printed Name  
 License # 25404 Date 11/12/2024

PROJECT NO. 2023-0519  
 DRAWN BY TSB  
 CHECKED BY GMS

ISSUE RECORD:  
 05.28.2024 CHECK SET  
 06.03.2024 PERMIT SET  
 08.20.2024 BID SET  
 11.12.2024 CONSTRUCTION SET

REVISIONS:  
 2 08/20/2024 City Comments

TITLE:  
**PLUMBING PLAN  
 WATER & GAS**

SHEET NUMBER:  
**P100**

KEY NOTES: ❖

1. PROVIDE 3/4" CONDENSATE DRAIN FROM THE WALK-IN COOLER EVAPORATOR TO THE FLOOR SINK BELOW AS SHOWN. SLOPE CONDENSATE DRAIN A MINIMUM OF 1" PER FOOT. HOLD EXPOSED CONDENSATE DRAIN IN WALK-IN COOLER AS HIGH AS POSSIBLE. CONCEAL DRAIN PIPING WITHIN FRAMED WALLS AS SHOWN. DISCHARGE THROUGH AN AIR GAP. MAKE FINAL CONNECTION TO EVAPORATOR INSIDE WALK-IN COOLER USING A UNION. CONDENSATE DRAIN SHOULD PENETRATE WALL AT POINT OF DISCHARGE AT 8" AFF.
2. PROVIDE DIRECT WASTE CONNECTION AND TELL TALE DRAIN FOR THREE COMPARTMENT SINK PER MINNESOTA PLUMBING CODE. SEE DETAIL 2/P700.
3. COORDINATE ROUTING OF SODA BUNDLES WITH COCA-COLA TECHNICIAN FROM BAG-IN-BOX AREA TO EACH SODA FOUNTAIN. OTHER THAN WITHIN THE WALLS DOWN TO THE DRYER BOX THE SODA BUNDLE SHALL BE ROUTED OVERHEAD WITHOUT CONDUIT. COORDINATE SUPPORT AND ROUTING OF THE SODA LINE BUNDLES WITH COCA-COLA TECHNICIAN DURING ROUGH IN AND PROVIDE NECESSARY SUPPORTS. SEE ARCHITECTURAL DRAWINGS FOR SODA BUNDLE TERMINATION LOCATION AND PROVIDE TERMINATION PER DETAIL 12/P700.
4. NOT USED
5. PROVIDE DIRECT WASTE CONNECTION AND TELL TALE DRAIN FOR PREP SINK PER MINNESOTA PLUMBING CODE.
6. PROVIDE A 3" VENT THROUGH THE ROOF PER DETAIL 3/P700.
7. GREASE INTERCEPTOR IS BY LANDLORD.
8. SEE CIVIL UTILITY PLAN FOR CONTINUATION OF 4" SANITARY SEWER.
9. PROVIDE 3/4" VALVED DRAIN FROM HOT FOOD TABLE TO THE FLOOR SINK. DRAIN THROUGH AN AIR GAP.
10. PROVIDE INSULATED COPPER DRAIN LINES FROM THE TEA TRAY DRAIN AND THE SODA MACHINE DRAIN TO THE FLOOR SINK. DRAIN THROUGH AN AIR GAP. HOLD TEA TRAY DRAIN AS HIGH AS POSSIBLE AND SECURE TO STRUCTURE BELOW THE UTENSIL COUNTER.
11. TRIM TRENCH DRAIN ENDS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION SO THAT GRATE FITS WITHOUT GAPS. INSTALL TRENCH DRAIN WITH SLIGHT POSITIVE SLOPE TOWARD THE DRAIN CONNECTION TO AVOID STANDING WATER IN TRENCH DRAIN.

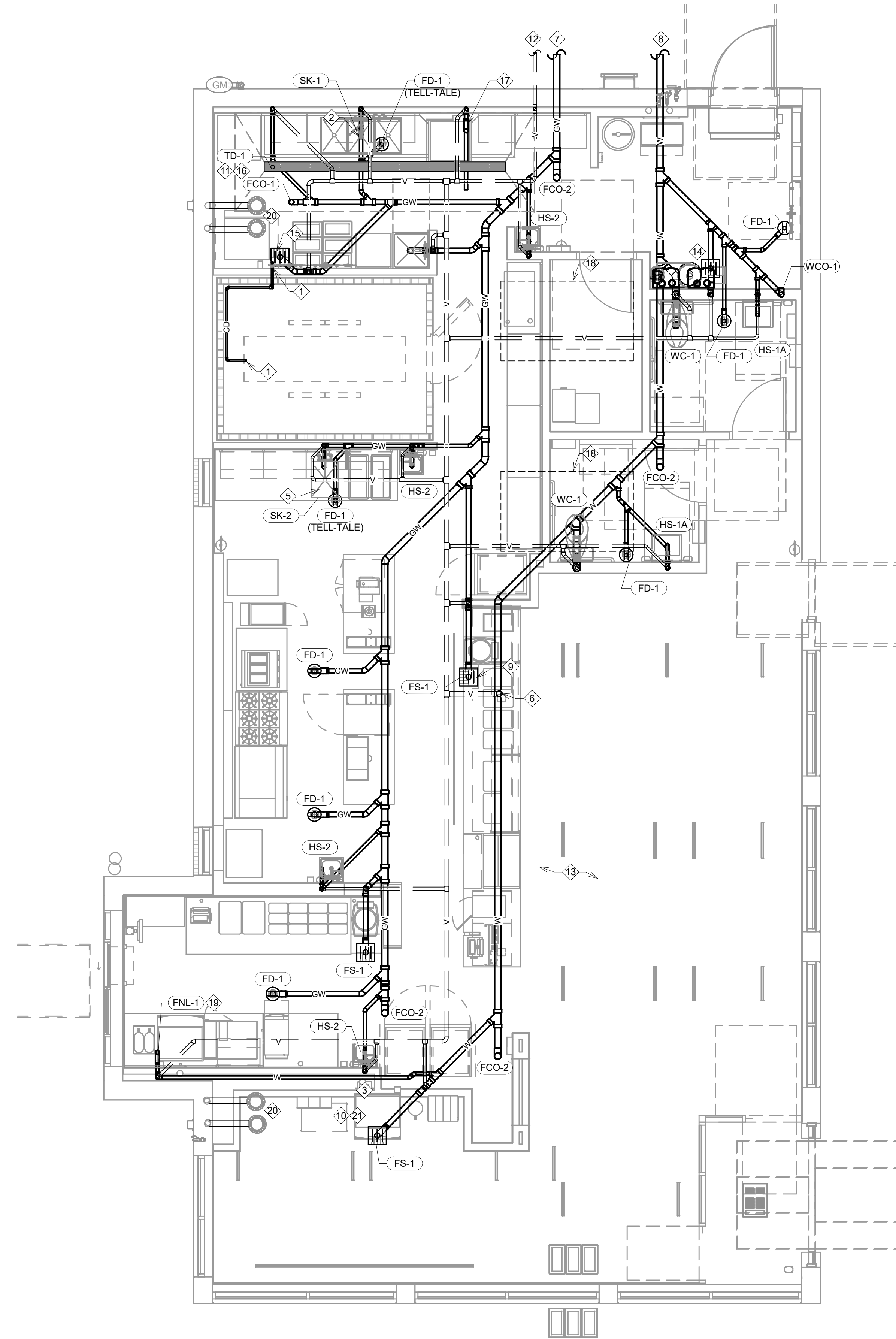
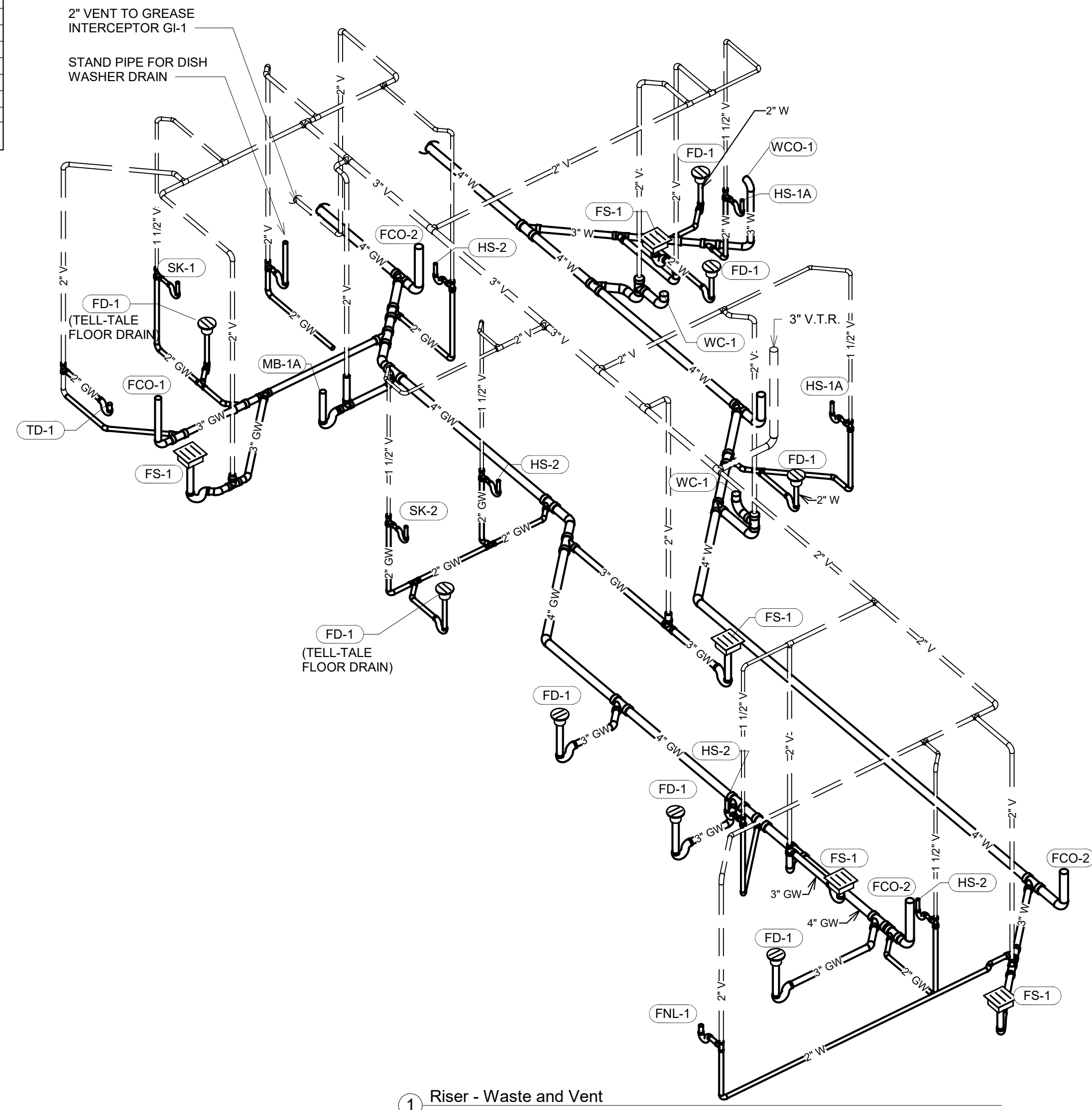
KEY NOTES (CONTINUED): ❖

12. GREASE INTERCEPTOR VENT BY LANDLORD. VERIFY LOCATION IN FIELD AND CONNECT TO TENANT VENT THRU ROOF.
13. DO NOT PROVIDE WALL CLEANOUTS ON TILE OR PUBLICLY-VISIBLE WALLS. IF A WALL CLEANOUT IS REQUIRED ON THESE SURFACE COORDINATE THE EXACT LOCATION WITH CHIPOTLE'S CONSTRUCTION MANAGER.
14. PROVIDE INDIRECT WASTE AND CONDENSATE DRAINS FROM FIXTURES OTHER THAN KITCHEN SINKS CONCEALED IN THE WALL AS SHOWN IN DETAIL 9/P700.
15. PROVIDE DRAIN FROM WATER FILTER BFP TO FLOOR SINK CONCEALED IN THE WALL AS SHOWN IN DETAIL 9/P700.
16. PROVIDE TRENCH DRAIN AS SHOWN IN DETAIL 15/P700.
17. INSTALL DRAIN HOSE FURNISHED WITH DISH MACHINE FROM DISH MACHINE OUTLET TO STAND PIPE. INSTALL IN ACCORDANCE WITH MINNESOTA PLUMBING CODE.
18. PROVIDE CONDENSATE TRAP ON RTU PER DETAIL 13/P700.
19. SEE DETAIL 18/P700 FOR DRAINS FROM TEA TRAY, ICE MAKER, AND SODA MACHINE TO FUNNEL DRAIN.
20. LANDLORD PROVIDED ROOF DRAINS, SHOWN FOR REFERENCE.

21. PROVIDE PVC DRAIN PIPES FROM THE ICE MACHINE TO THE FLOOR SINK PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE A CODE-APPROVED AIR GAP AT THE DISCHARGE TO THE FLOOR SINK. SECURE ICE MAKER DRAIN PIPES TO THE BOTTOM OF THE ICE MAKER.

PLUMBING FIXTURE WASTE CONNECTIONS

TAG	DESCRIPTION	CONNECTION SIZE - WASTE	DFU	COUNT	TOTAL DFU
DM-1	DISH SANITIZING MACHINE (PUMPED OUTLET)	5/8"	4	1	4
FCO-1	FLOOR CLEANOUT (3")	3"	0	1	0
FCO-2	FLOOR CLEANOUT (4")	4"	0	4	0
FD-1	FLOOR DRAIN	2"	4	4	16
FD-1	FLOOR DRAIN	3"	6	3	18
FNL-1	FUNNEL DRAIN	2"	4	1	4
FS-1	FLOOR SINK	3"	6	5	30
GI-1	GREASE INTERCEPTOR	4"	0	1	0
HS-1A	RESTROOM HAND SINK	2"	1	2	2
HS-2	KITCHEN HAND SINK	2"	1	4	4
MB-1A	MOP BASIN	3"	3	1	3
SK-1	THREE COMPARTMENT SINK	2"	2	1	2
SK-2	PREP SINK	2"	2	1	2
TD-1	TRENCH DRAIN	2"	4	1	4
WC-1	WATER CLOSET	3"	4	2	8
WCO-1	WALL CLEANOUT (3")	3"	0	1	0
GRAND TOTAL					97



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PROJECT INFORMATION:

STORE NO.: 5307  
"CLOCKTOWER COMMONS"  
CROSSTOWN BLVD NW &  
HANSON BLVD NW  
ANDOVER, MN 55304

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

*Gregory M. Steinmetz*  
Date: 2024.11.12 08:27:25-0800

Signature  
Gregory M. Steinmetz, P.E.  
Typed or Printed Name  
25404 11/12/2024  
License # Date

PROJECT NO. 2023-0519  
DRAWN BY TSB  
CHECKED BY GMS

ISSUE RECORD:  
05.28.2024 CHECK SET  
06.03.2024 PERMIT SET  
08.20.2024 BID SET  
11.12.2024 CONSTRUCTION SET

REVISIONS:

TITLE:  
PLUMBING PLAN  
WASTE & VENT

SHEET NUMBER:

P110



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 Dunham Project No: 0424794-010

PLUMBING FIXTURE SCHEDULE									
FIXTURE TAG	FIXTURE DESCRIPTION	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS	CW (IN)	HW (IN)	WASTE (IN)
				MANUFACTURER	MODEL				
BFP-1	PRZ BACKFLOW PREVENTER	GC	GC	CONBRACO	4ALF-203-T2F	LEAD FREE REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER WITH AUTOMATIC DIFFERENTIAL RELIEF VALVE	1/2		
BFP-2	PRZ BACKFLOW PREVENTER	GC	GC	CONBRACO	4ALF-207	LEAD FREE REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER WITH AUTOMATIC DIFFERENTIAL RELIEF VALVE	1-1/2		
DM-1	DISH SANITIZING MACHINE (PUMPED OUTLET)	KES	GC	SEE ARCH	--	CHEMICAL SANITIZING DISH MACHINE WITH INTEGRAL ELECTRIC BOOSTER HEATER AND PUMPED OUTLET		3/4	5/8
ET-1	EXPANSION TANK	GC	GC	AMTROL	ST-5	2 GALLON CAPACITY		3/4	
FB-1	GAS FRYER	KES	GC	SEE ARCH	--				
FCO-1	FLOOR CLEANOUT (3")	GC	GC	SIOUX CHIEF	852-3PNR	ON-GRADE ADJUSTABLE CLEANOUT WITH INTERNAL THREADED CLEANOUT PLUG AND ROUND NICKEL-BRONZE RING AND COVER (OR APPROVED EQUAL WITH INTERNAL THREADED CLEANOUT PLUG)			3
FCO-2	FLOOR CLEANOUT (4")	GC	GC	SIOUX CHIEF	852-4PNR	ON-GRADE ADJUSTABLE CLEANOUT WITH INTERNAL THREADED CLEANOUT PLUG AND ROUND NICKEL-BRONZE RING AND COVER (OR APPROVED EQUAL WITH INTERNAL THREADED CLEANOUT PLUG)			4
FD-1	FLOOR DRAIN	GC	GC	SIOUX CHIEF	842-2-PNR	ADJUSTABLE FLOOR DRAIN WITH PVC BODY, ROUND POLISHED METAL RING AND STRAINER, AND TRAP PRIMER PORT	1/2		AS SHOWN
FNL-1	FUNNEL DRAIN	GC	GC	JAY R. SMITH	3823T	FUNNEL DRAIN WITH CAST BRONZE BODY AND THREADED OUTLET			2
FS-1	FLOOR SINK	GC	GC	SIOUX CHIEF	861-3PU2	HEAVY DUTY PVC FLOOR SINK WITH ALUMINUM DOME BOTTOM STRAINER AND OPEN HALF PVC GRATE			3
GI-1	GREASE INTERCEPTOR	GC	GC	CUSTOM	--	1,500 GALLON PRECAST GREASE INTERCEPTOR			4
GR-1	GAS GRIDDLE	KES	GC	SEE ARCH	--				
HB-1	CHEMICAL DISPENSER HOSE BIB	KES	GC	SEE ARCH	--	COMMERCIAL QUALITY HOT & COLD MIXING WALL HYDRANT. SUPPLY ARMS SHALL HAVE INTEGRAL SHUT-OFF STOP AND CHECK VALVE. FAUCET HAS FEMALE NPT INLETS.	1/2	1/2	
HB-2	VEGETABLE WASH HOSE BIB	KES	GC	SEE ARCH	--	SILL FAUCET WITH NPT FEMALE INLET	1/2		
HS-1A	RESTROOM HAND SINK	GC	GC	AMERICAN STANDARD	9024.001EC	ADA-ACCESSIBLE, WALL-MOUNTED, PORCELAIN LAVATORY. PROVIDE ZURN Z1231 (Z1231-D FOR BACK-TO-BACK APPLICATIONS) CONCEALED ARM CARRIER IN WALL. APPROVED ALTERNATE: KOHLER K-2084			2
HS-1B	RESTROOM HAND SINK FAUCET	KES	GC	SEE ARCH	--	PLUG-IN AUTOMATIC FAUCET WITH 0.5 GPM AERATOR AND THERMOSTATIC MIXING VALVE. ADJUST FAUCET CONTROLS FOR 10 SECOND SHUTOFF DELAY AND 30 SECOND TIME-OUT DELAY.	1/2	1/2	
HS-2	KITCHEN HAND SINK	KES	GC	SEE ARCH	--	STAINLESS STEEL SINK WITH WALL MOUNTING BRACKET AND BACKSPASH MOUNTED FAUCET WITH SWIVEL GOOSENECK	1/2	1/2	2
IM-1	ICE MAKER - BOH	KES	KES	SEE ARCH	--	BACK OF HOUSE ICE MAKER WITH BIN (STANDARD CAPACITY REMOTE AIR COOLED)	1/2		
IM-2	ICE MAKER - SODA	KES	KES	SEE ARCH	--	SODA MACHINE-MOUNTED ICE MACHINE (INTEGRAL AIR COOLED)	1/2		
IM-3	ICE MAKER - SODA	KES	KES	SEE ARCH	--	SODA MACHINE-MOUNTED ICE MACHINE (REMOTE AIR COOLED)	1/2		
MB-1A	MOP BASIN	GC	GC	FIAT	MSB2424	PROVIDE 24"x24"x10" MOLDED-STONE MOP BASIN. INSTALL MOP BASIN IN A BED OF GROUT SO THERE ARE NO VOIDS BETWEEN THE MOP BASIN AND THE SLAB.			3
MB-1B	MOP SINK FAUCET	KES	GC	SEE ARCH	--	SERVICE SINK FAUCET WITH BUILT IN STOPS, LEVER HANDLES, WALL BRACE, AND NPT FEMALE INLETS	1/2	1/2	
PF-1	SPEED FILL FAUCET	KES	GC	SEE ARCH	--	WALL-MOUNTED POT FILLER W/ SELF-CLOSING FILLER VALVE AND NPT FEMALE INLET	3/8		
RC-1	RICE COOKER	KES	GC	SEE ARCH	--				
RH-1	FREEZE PROOF ROOF HYDRANT	GC	GC	HOEPTNER	2131R	AUTOMATIC DRAINING, FREEZELESS ROOF HYDRANT WITH ANTI-SIPHON VACUUM BREAKER HOEPTNER PRODUCTS (408) 847-7615	3/4		
RN-1	6 BURNER RANGE	KES	GC	SEE ARCH	--				
SC-1	BAG-IN-BOX SODA RACK WITH CARBONATORS	SPS	SPS	SEE ARCH	--	SODA CARBONATOR(S) SHALL HAVE AN INTEGRAL ASSE 1022-RATED CARBONATED BEVERAGE BACKFLOW PREVENTION DEVICE.	1/2		
SK-1	THREE COMPARTMENT SINK	KES	GC	SEE ARCH	--	THREE-COMPARTMENT WARE-WASHING SINK FURNISHED WITH (1) PRF-RINSE UNIT WITH ADD-ON FAUCET	1/2	1/2	2
SK-2	PREP SINK	KES	GC	SEE ARCH	--	STAINLESS STEEL PREP TABLE WITH INTEGRAL PREP SINK. FURNISHED WITH "BIG FLO" FAUCET	3/4	3/4	2
TD-1	TRENCH DRAIN	GC	GC	ZURN	Z886 8601 8602	6" X 180" HOPE TRENCH DRAIN (SLOPED FROM 3.50" TO 4.70") WITH (2) CLOSED END CAPS, (1) 4" NO-HUB 3070M OUTLET, AND CLASS-A HEEL-PROOF POLYETHYLENE GRATES. SEE DETAIL ON SHEET P700 FOR REDUCTION TO 2" DRAIN CONNECTION.			2
TP-2	TRAP PRIMER (TWO FLOOR DRAINS)	GC	GC	PRECISION PLUMBING PRODUCTS	P2-500 W/ DU-U	TRAP PRIMER WITH INTEGRAL VACUUM BREAKER AND DISTRIBUTION UNIT. CAP UNUSED DISTRIBUTION UNIT OUTLETS.	1/2		
TP-3	TRAP PRIMER (THREE-FOUR FLOOR DRAINS)	GC	GC	PRECISION PLUMBING PRODUCTS	PI-500 W/ DU-U	TRAP PRIMER WITH INTEGRAL VACUUM BREAKER AND DISTRIBUTION UNIT. CAP UNUSED DISTRIBUTION UNIT OUTLETS.	1/2		
WC-1	WATER CLOSET	GC	GC	KOHLER	K-3519 W/ SEAT K-4666-C	WHITE HIGHLINE 1.0 GPF, 17" X 18" HIGH, ADA ACCESSIBLE, PRESSURE ASSIST WATER CLOSET WITH OPEN FRONT SEAT. INSTALL TRIP LEVER ON THE TANK TO THE OPEN SIDE OF THE STALL (ADD -RA TO THE MODEL #FOR RIGHT HAND TRIP LEVER).	1/2		3
WCO-1	WALL CLEANOUT	GC	GC	SIOUX CHIEF	MODEL 873	STAINLESS STEEL WALL CLEAN OUT COVER WITH BRASS PLUG			3
WH-1	FREEZE PROOF WALL HYDRANT	GC	GC	WOODFORD	MODEL 65	AUTOMATIC DRAINING, FREEZELESS WALL HYDRANT WITH ANTI-SIPHON VACUUM BREAKER. PROVIDE WITH STEM LONG ENOUGH TO REACH INSIDE THE THERMAL ENVELOPE OF THE BUILDING	3/4		
WS-1	WATER SOFTENER	KES	GC	CUNO	CFSM1254E	POINT OF ENTRY HIGH CAPACITY WATER TREATMENT SYSTEM. PROVIDE STARTUP PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.	1		1

WATER HEATER SCHEDULE									
TAG	INPUT (MBH)	GAS CONNECTION SIZE (IN)	ELECTRICAL DATA	BASIS FOR DESIGN		MANUFACTURER	MODEL NUMBER	REMARKS	
				FURNISHED BY	INSTALLED BY				
DWH 1	199.9	3/4"	120/1/60	GC	GC	NAVIENT	NPE-240A2	RATED FLOW RATE: 5.6 GPM @ 67°F RISE THERMAL EFFICIENCY: 96% PROVIDE WITH LEAD FREE "PLUMB EASY VALVE SET". GC SHALL PURCHASE WATER HEATER DIRECTLY THROUGH A NAVIENT AUTHORIZED DISTRIBUTOR (1-800-519-8794 OR WWW.NAVIENT.COM TO LOCATE AUTHORIZED DISTRIBUTOR)	
DWH 2	199.9	3/4"	120/1/60	GC	GC	NAVIENT	NPE-240A2	RATED FLOW RATE: 5.6 GPM @ 67°F RISE THERMAL EFFICIENCY: 96% PROVIDE WITH LEAD FREE "PLUMB EASY VALVE SET". GC SHALL PURCHASE WATER HEATER DIRECTLY THROUGH A NAVIENT AUTHORIZED DISTRIBUTOR (1-800-519-8794 OR WWW.NAVIENT.COM TO LOCATE AUTHORIZED DISTRIBUTOR)	



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PROJECT INFORMATION:

STORE NO.: 5307  
 "CLOCKTOWER COMMONS"  
 CROSSTOWN BLVD NW &  
 HANSON BLVD NW  
 ANDOVER, MN 55304

SEAL:  
 I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.  
 Signature: *Gregory M. Steinmetz*  
 Gregory M. Steinmetz, P.E.  
 Title or Printed Name  
 25404 11/12/2024  
 License # Date

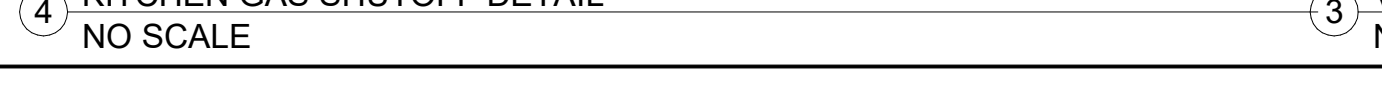
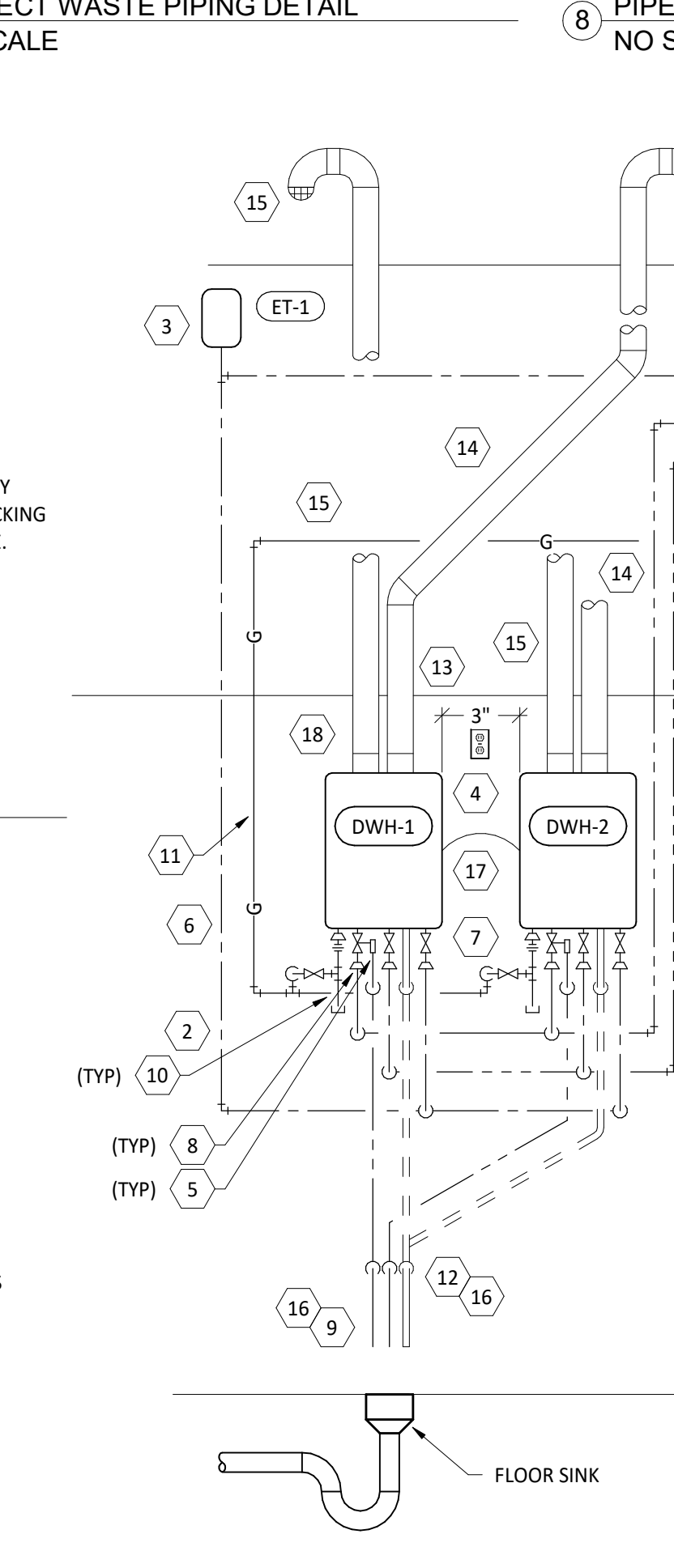
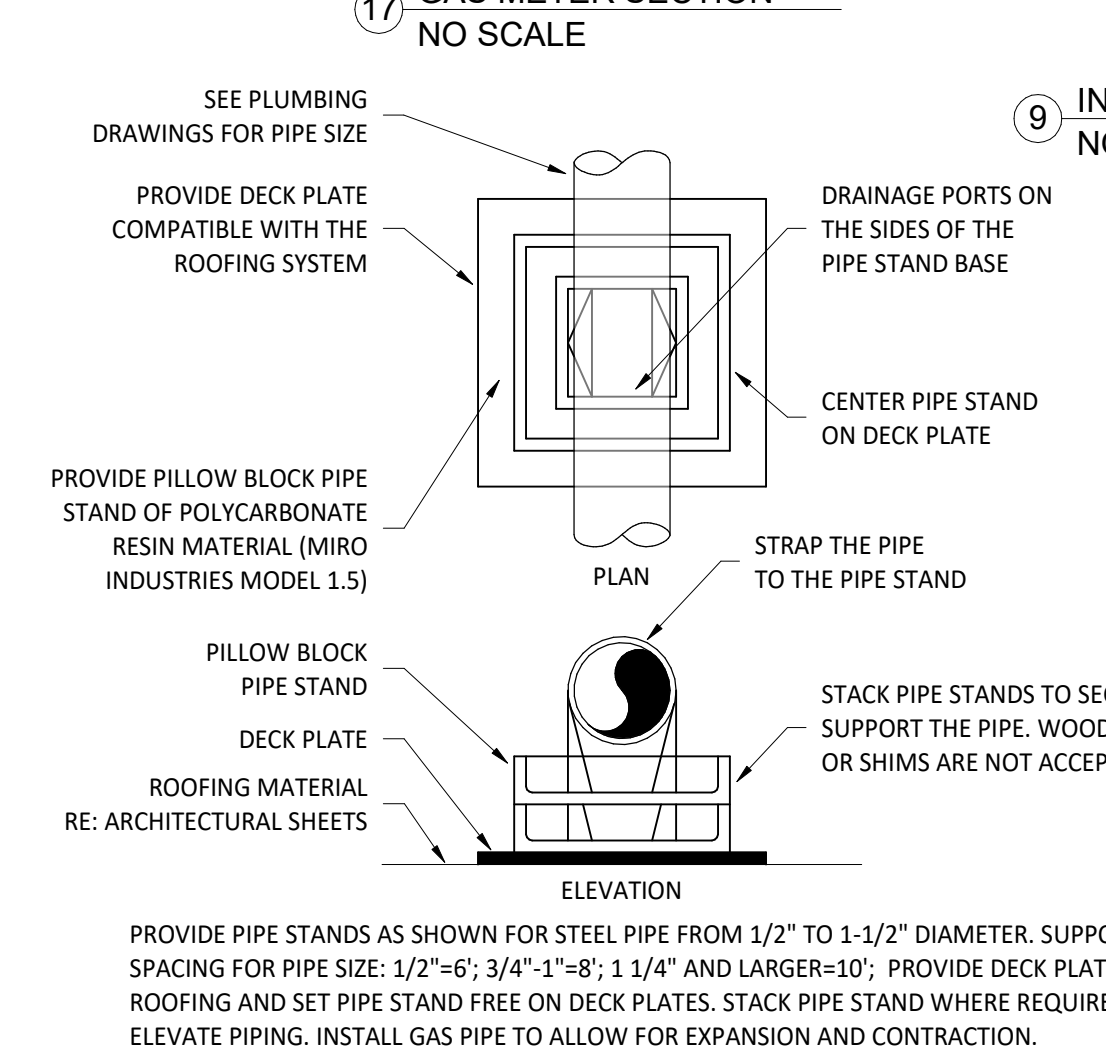
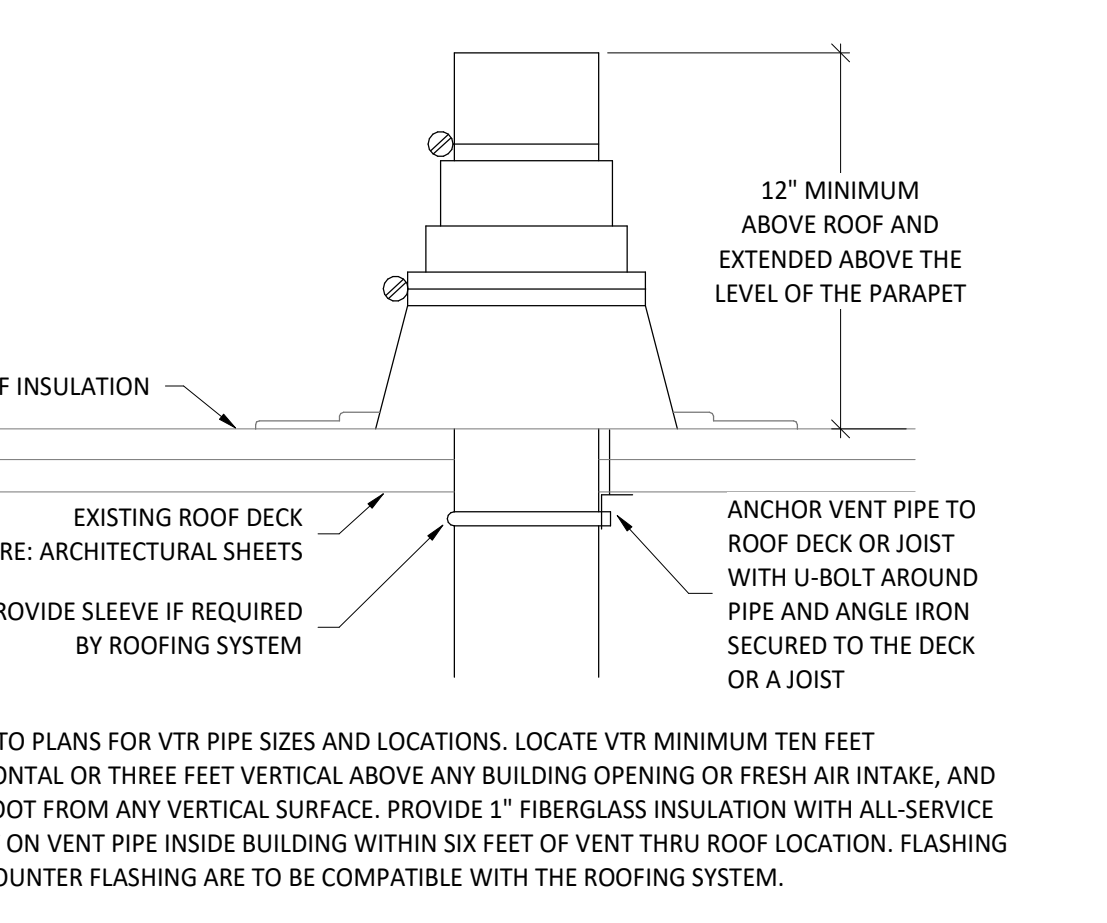
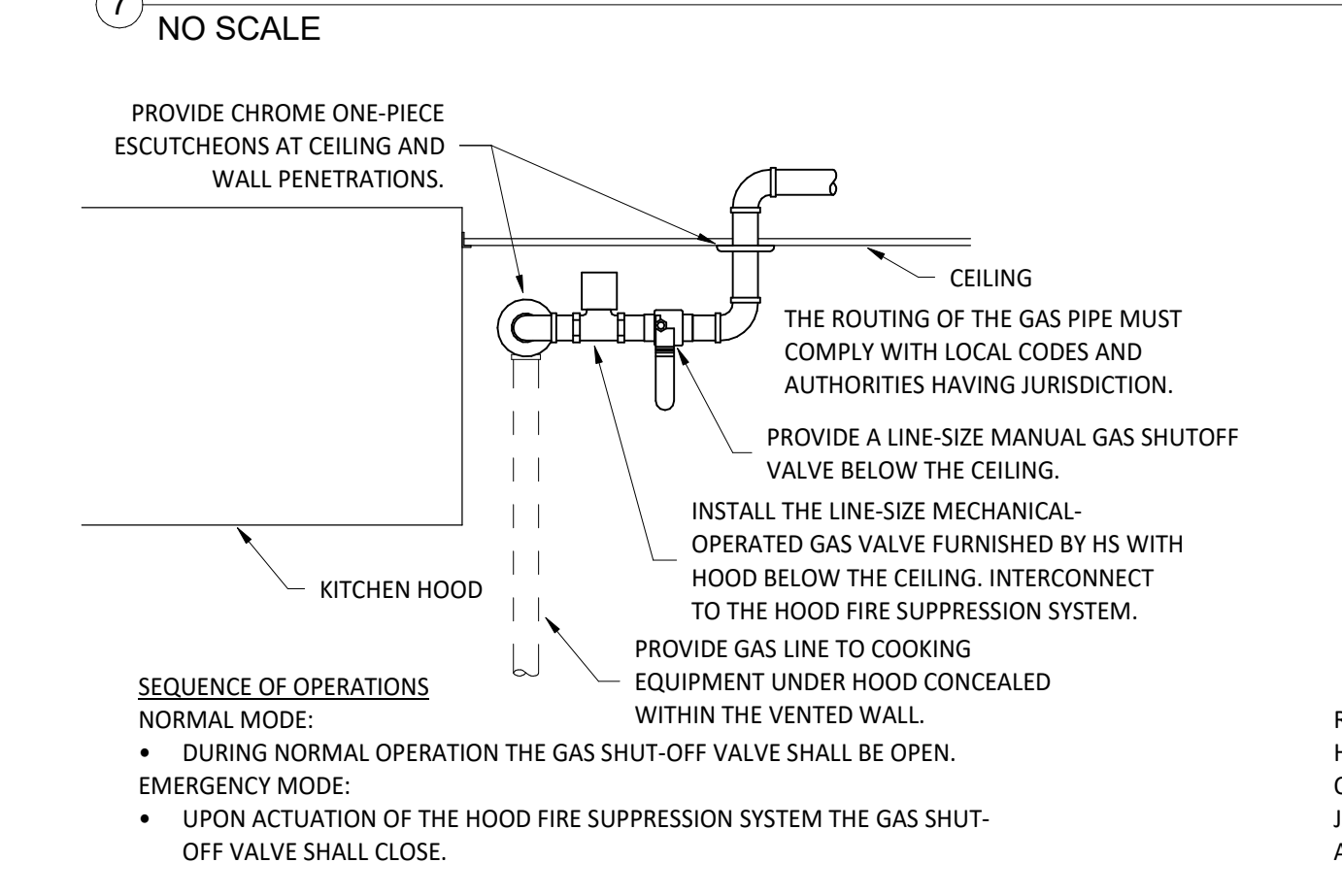
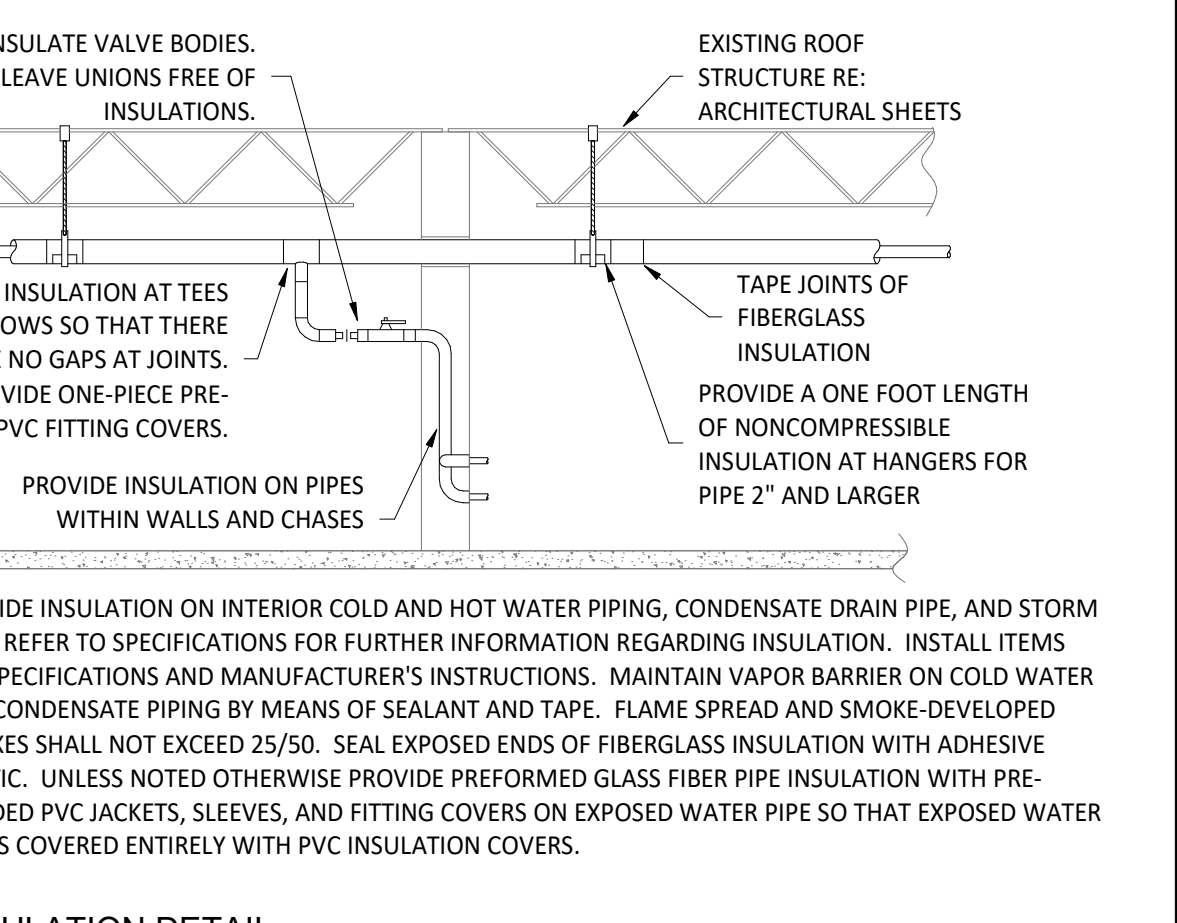
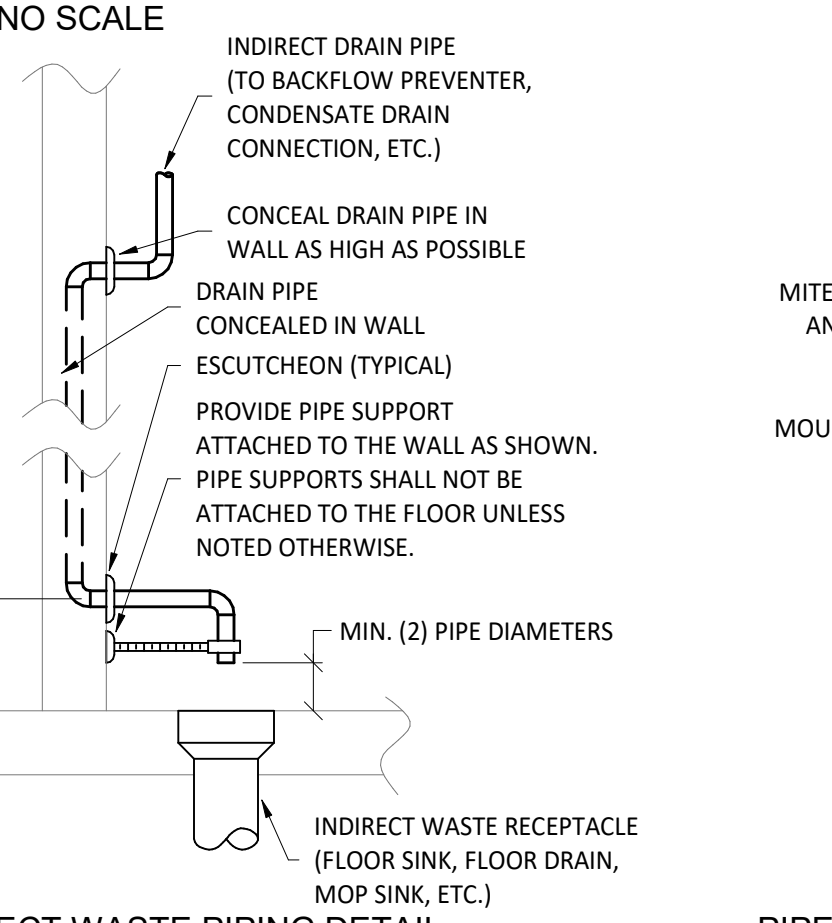
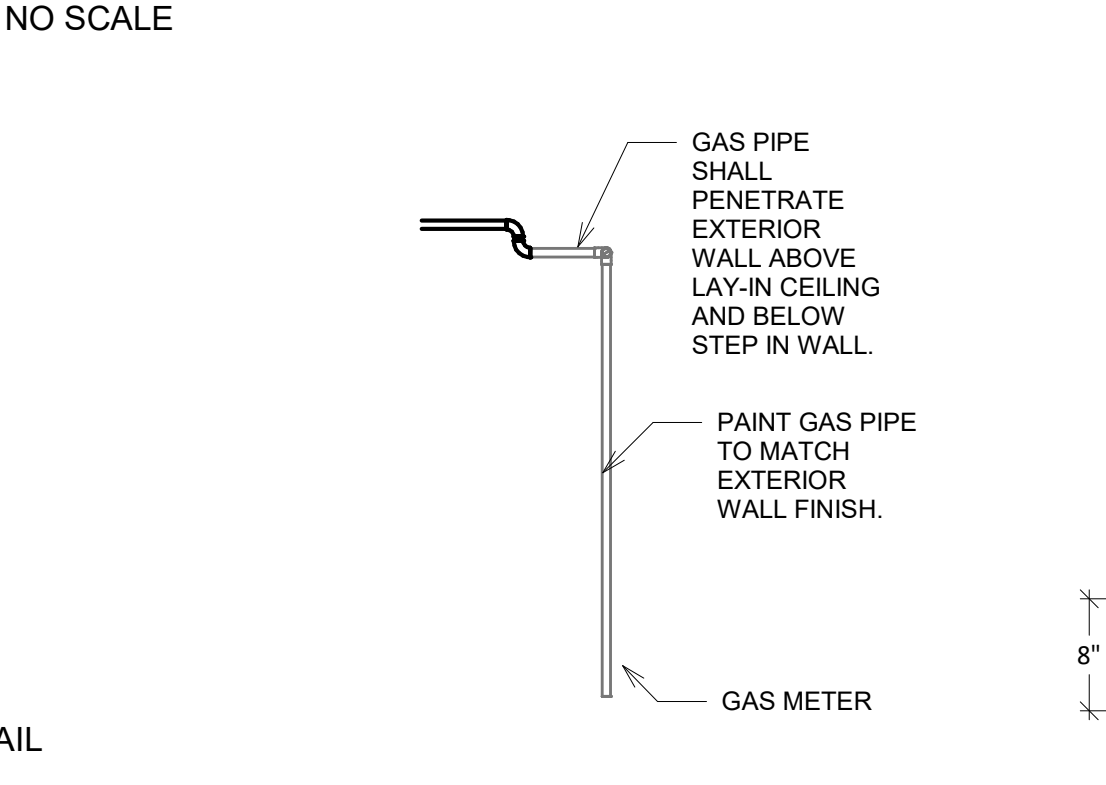
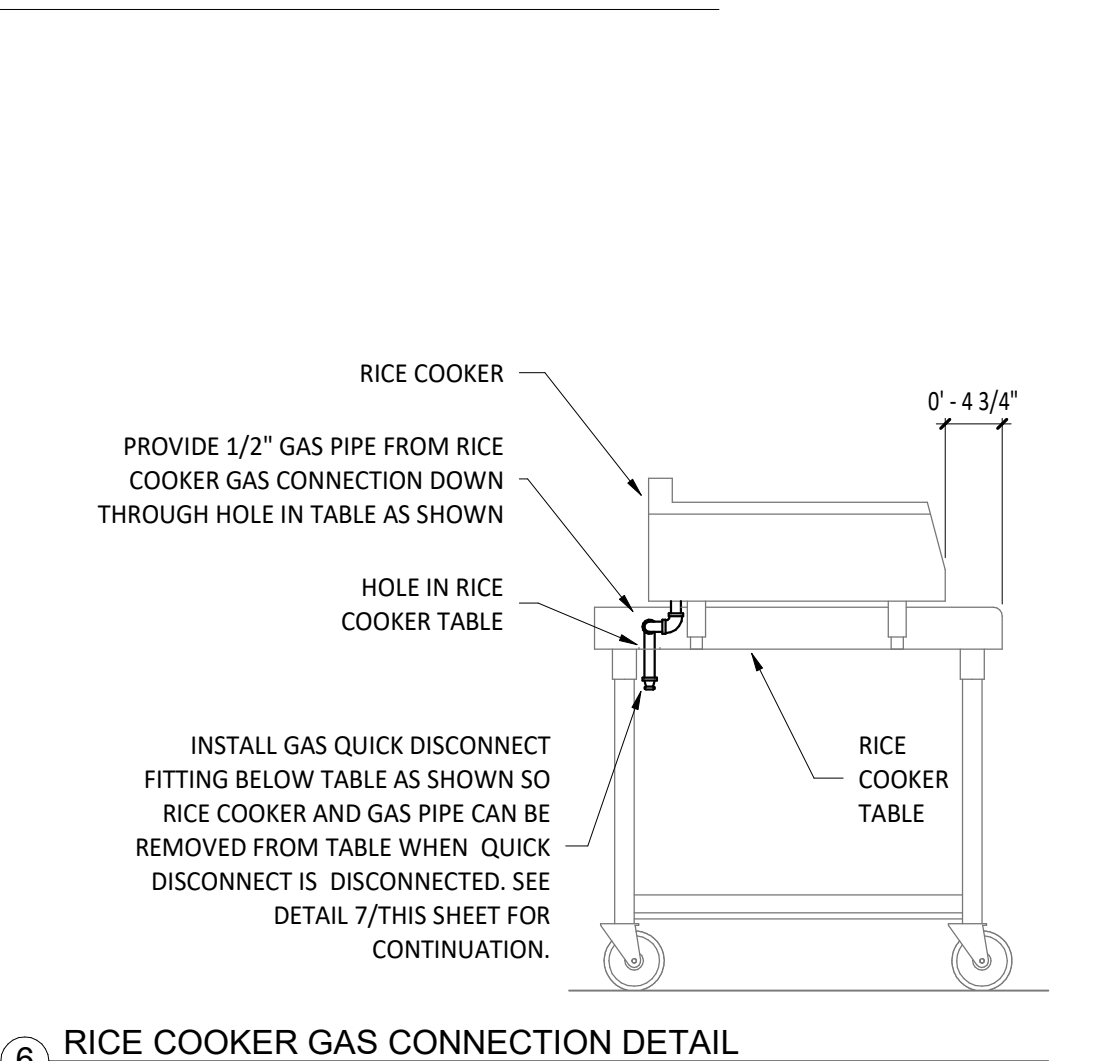
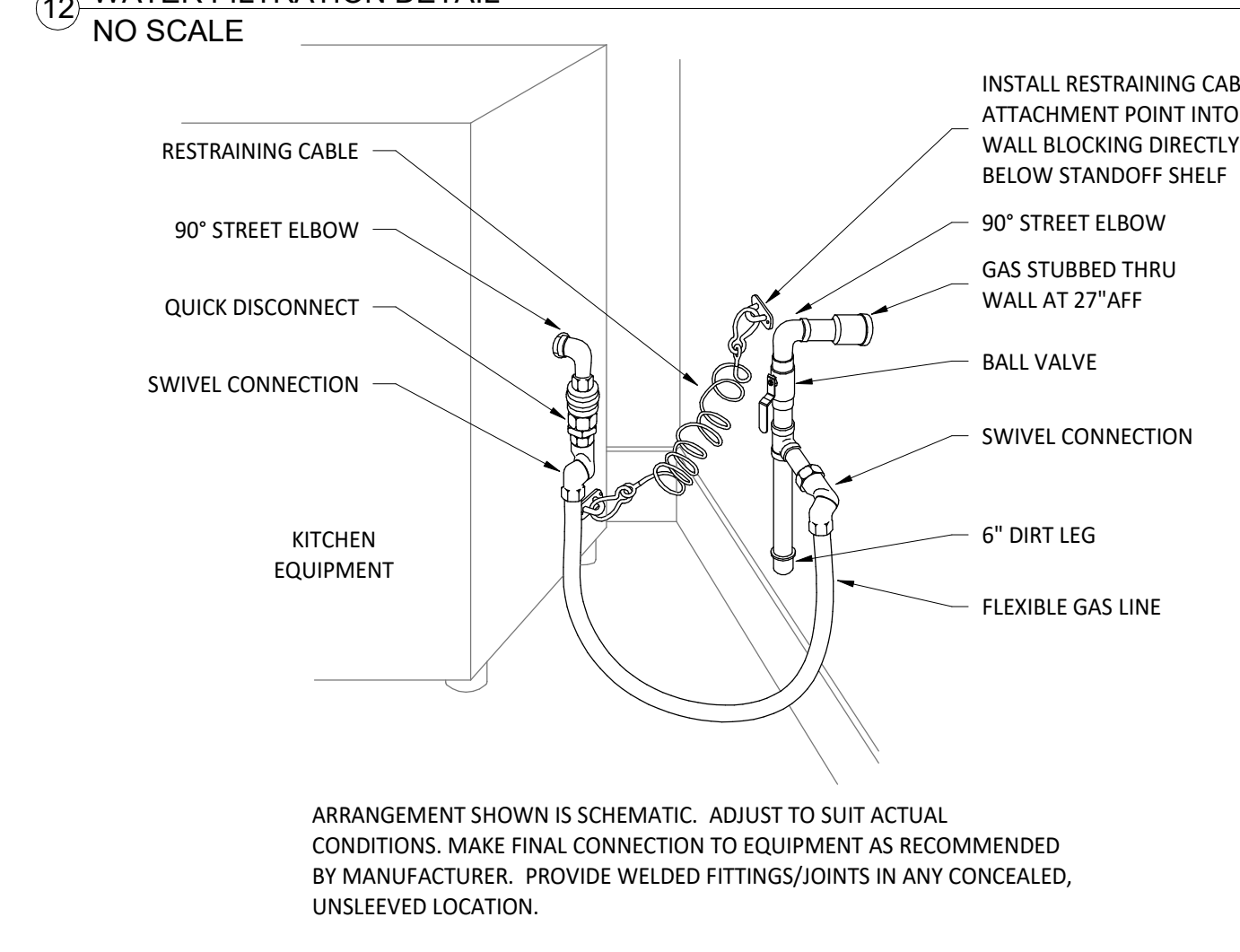
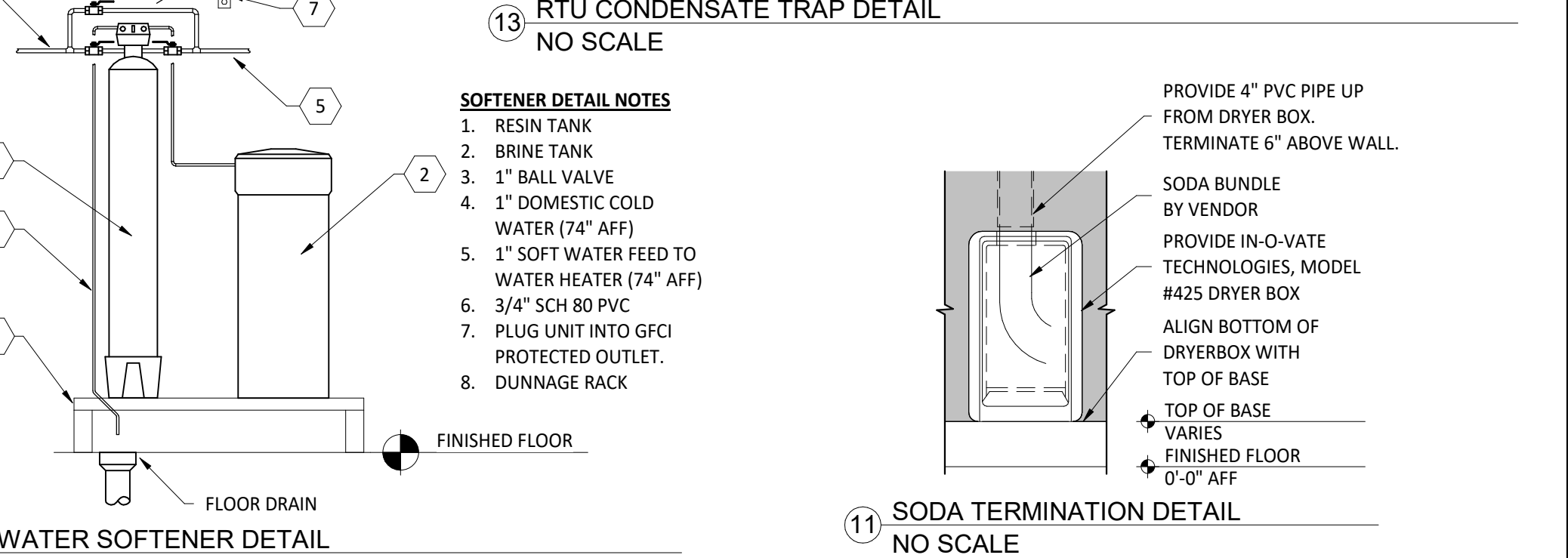
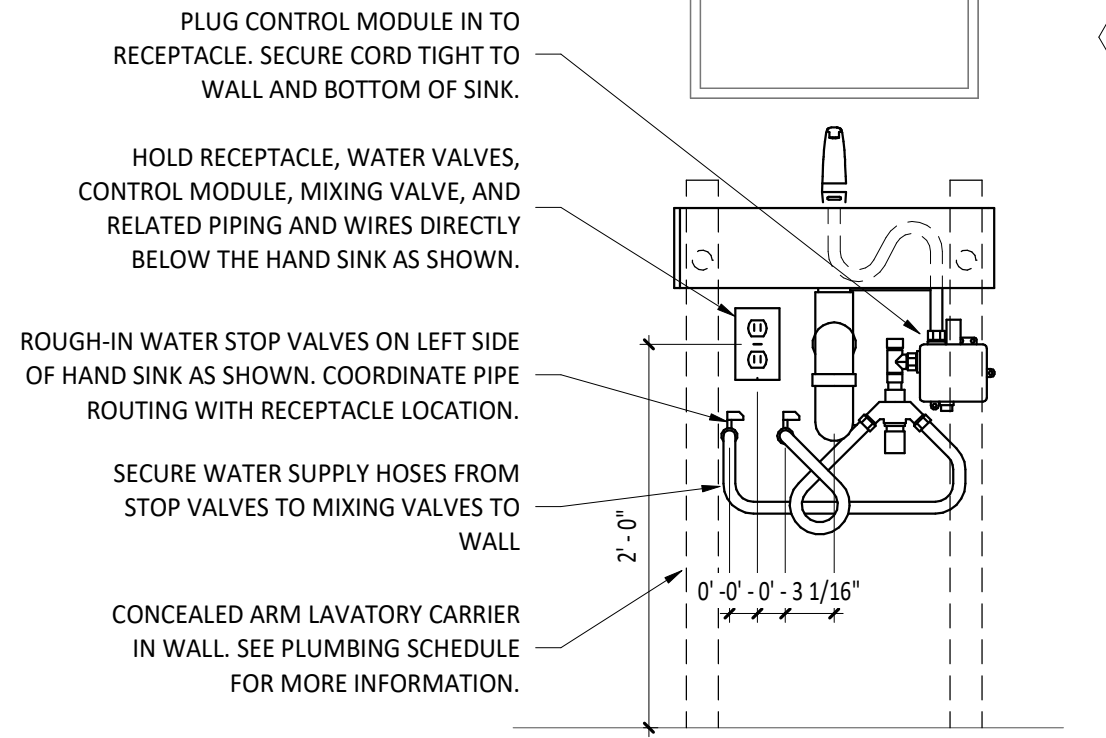
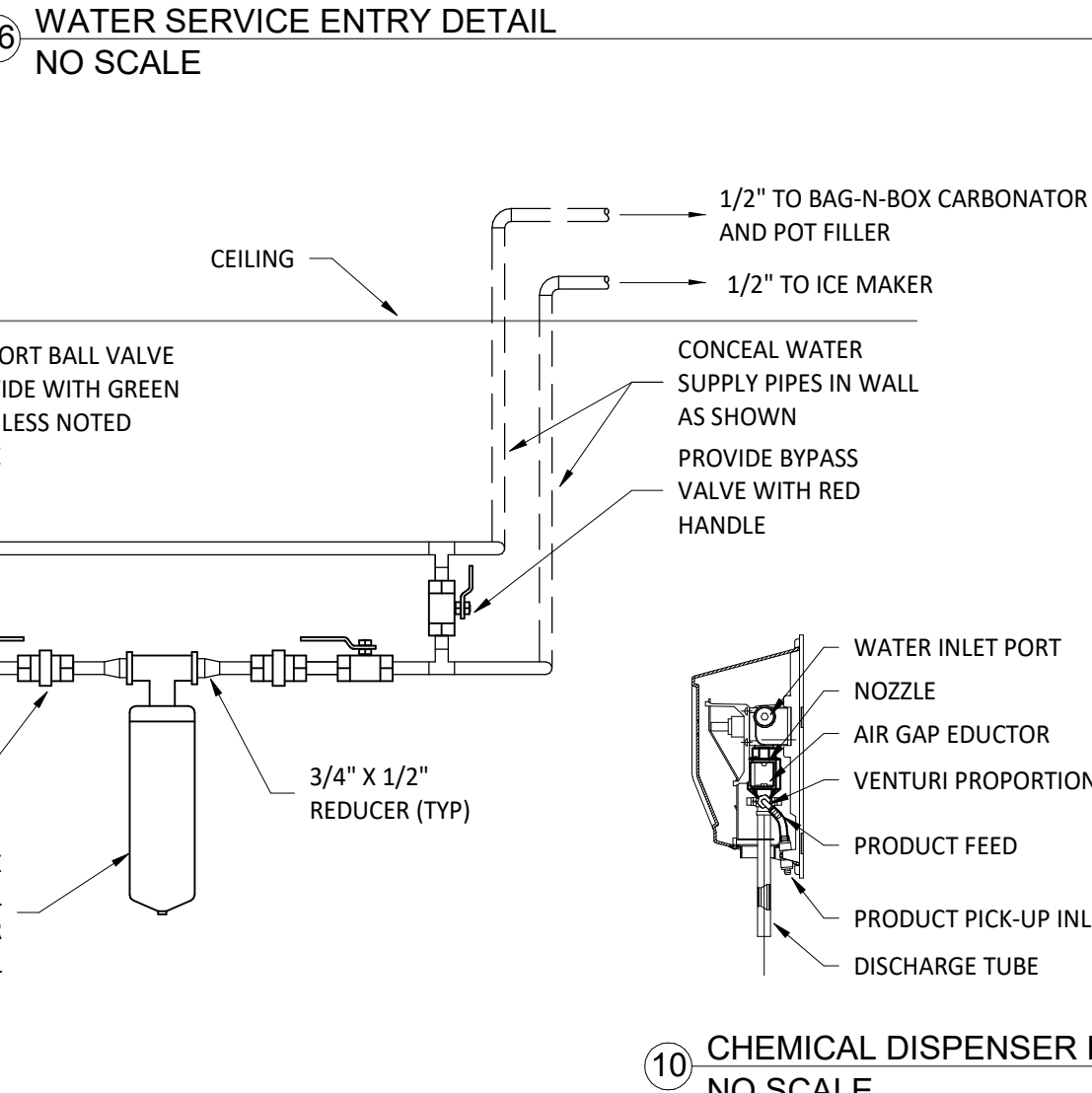
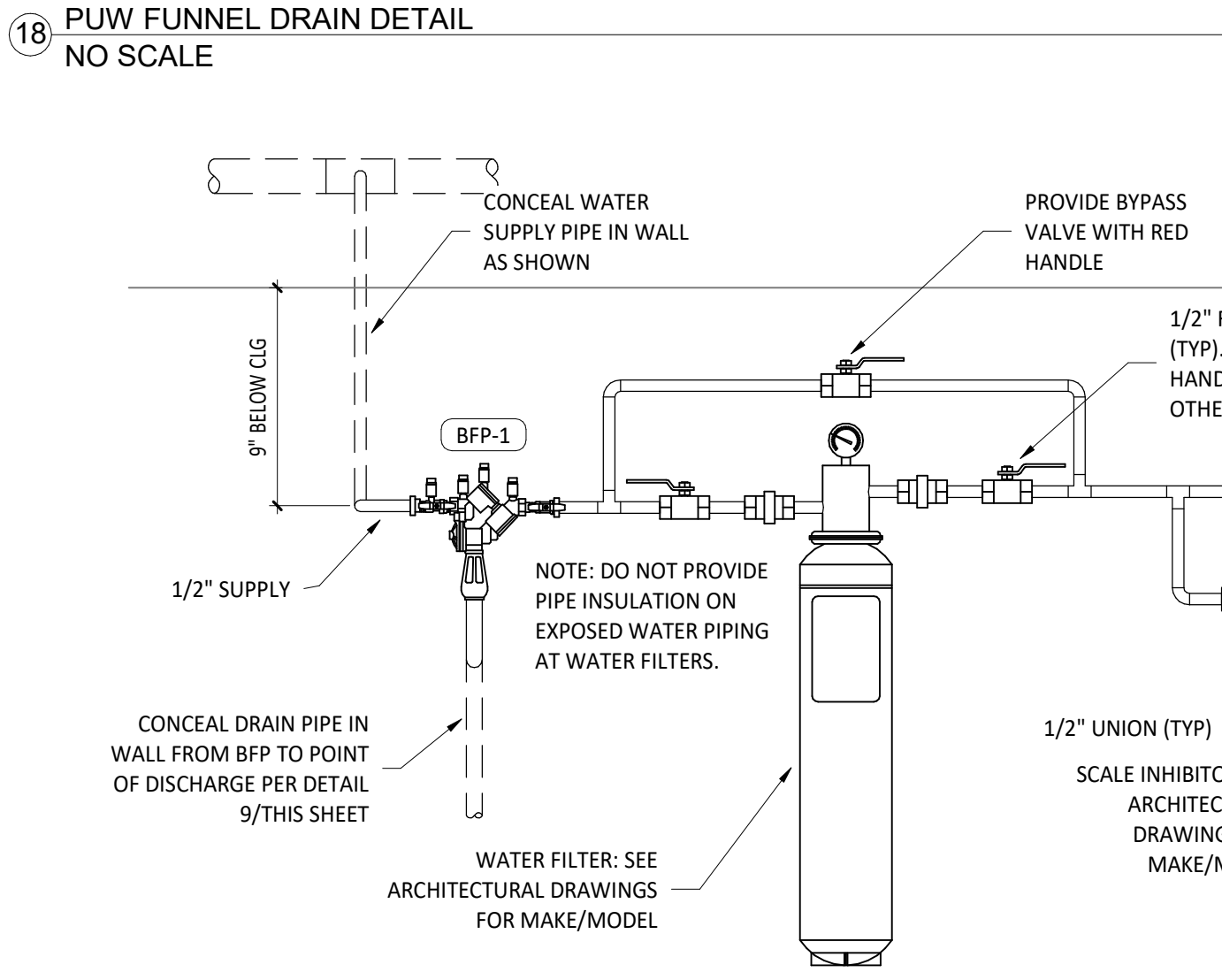
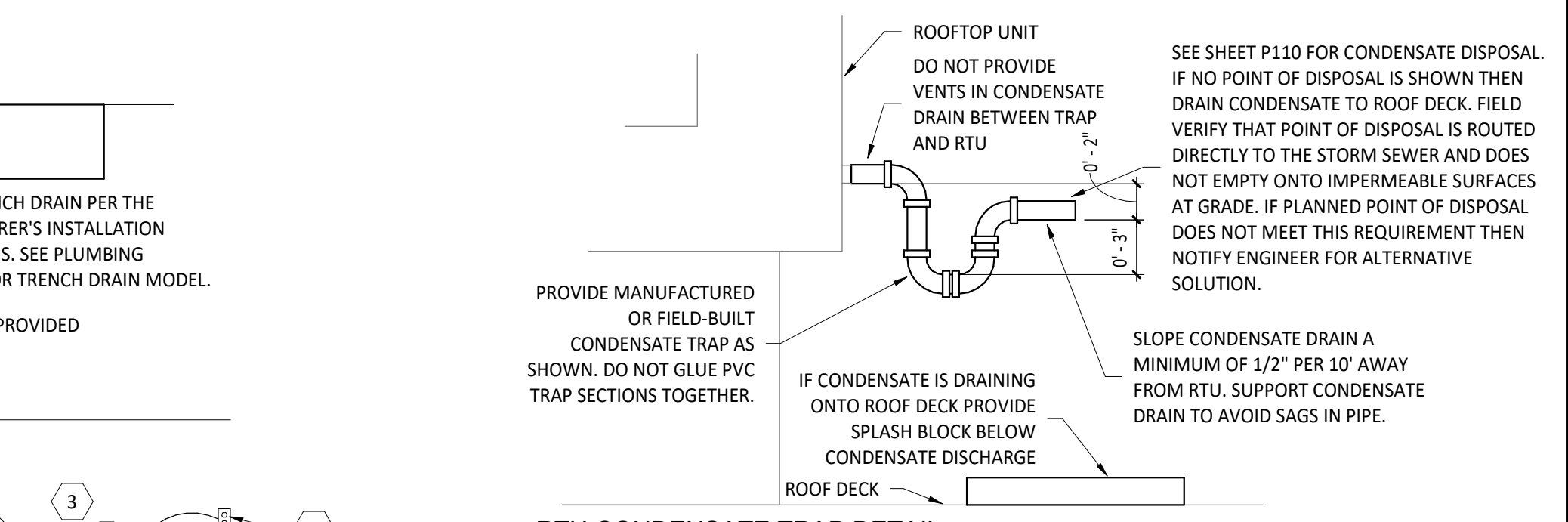
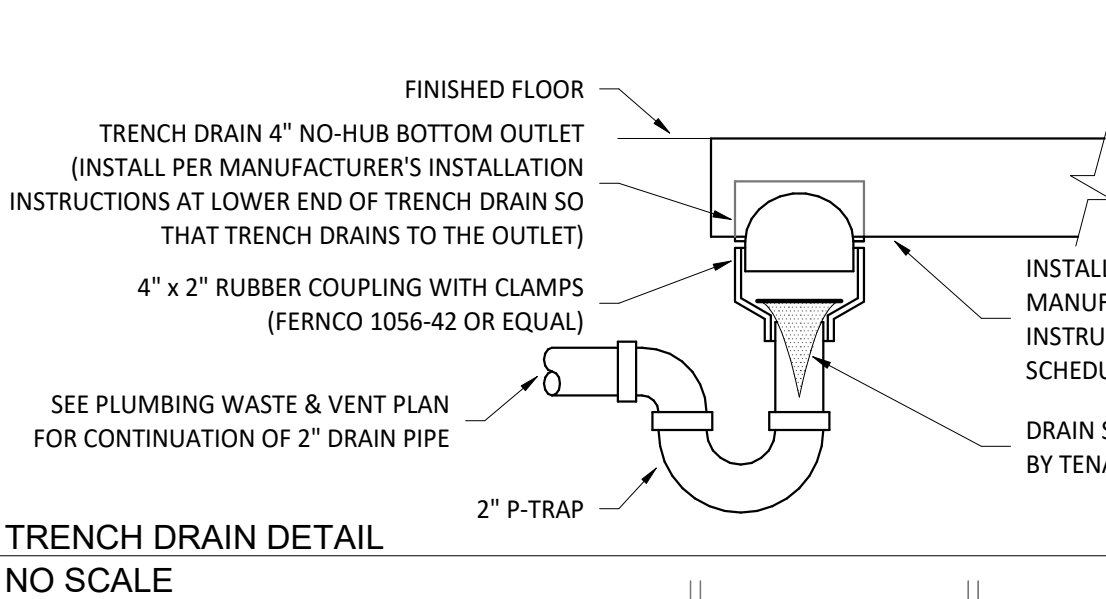
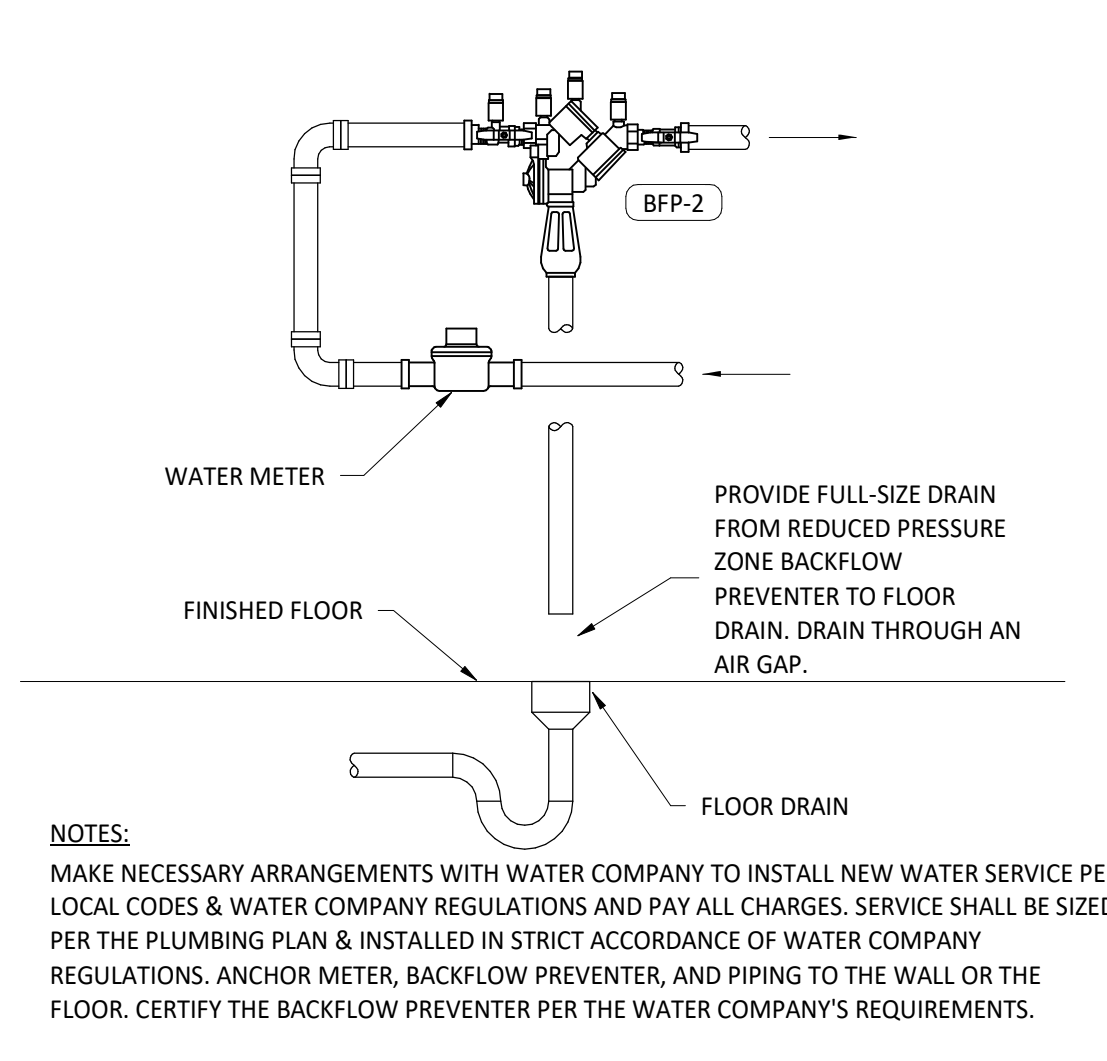
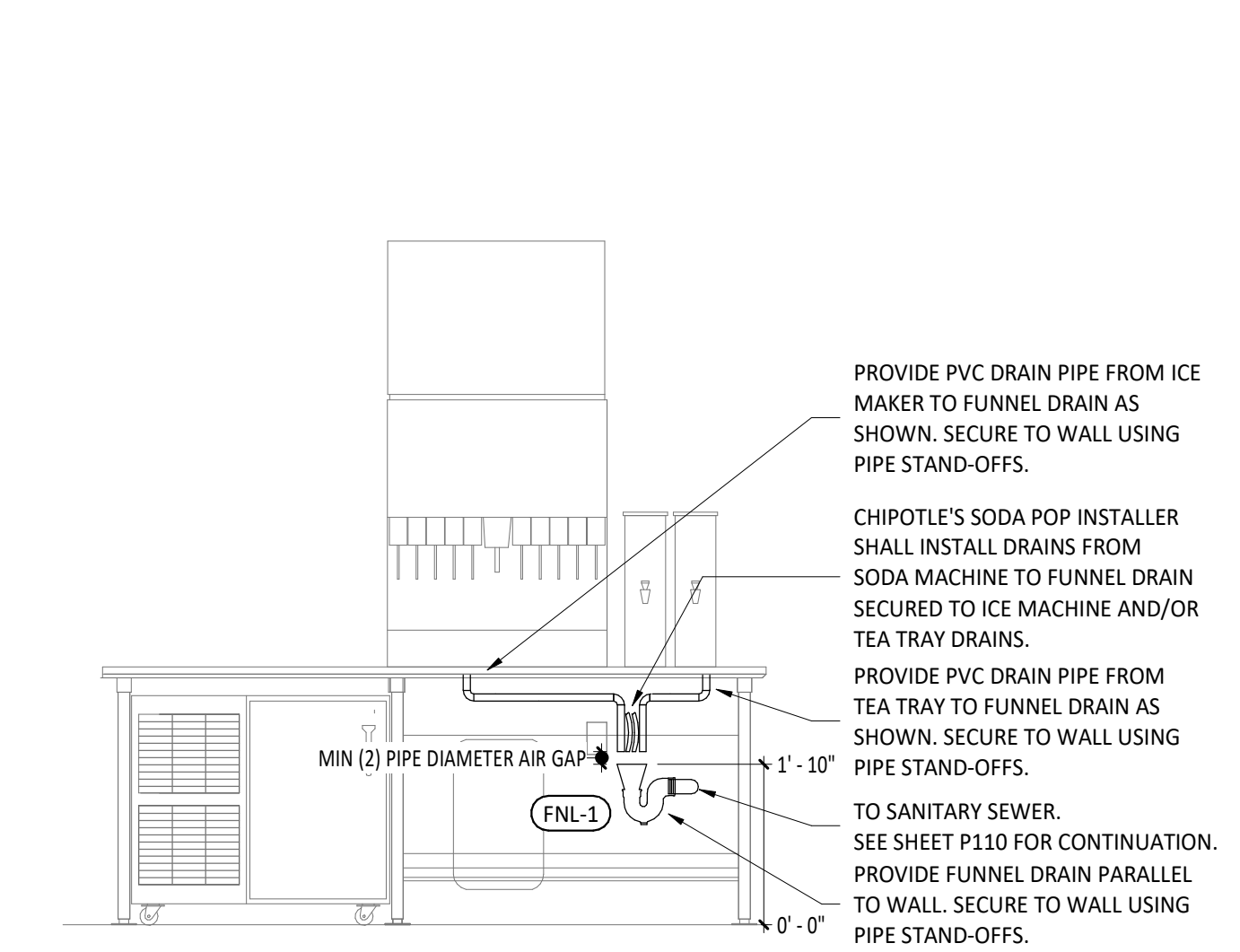
PROJECT NO. 2023-0519  
 DRAWN BY TAB/TSB  
 CHECKED BY GMS

ISSUE RECORD:  
 05.28.2024 CHECK SET  
 06.03.2024 PERMIT SET  
 08.20.2024 BID SET  
 11.12.2024 CONSTRUCTION SET

REVISIONS:  
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TITLE:  
 PLUMBING SCHEDULES

SHEET NUMBER:  
 P600





KEY NOTES:

- 1. INSTALL WALL-MOUNTED LIGHTING OVERRIDE SWITCH AND CONNECT TO LCP AS SHOWN IN DETAIL 6/E710.
- 2. CIRCUIT EXIT, NIGHT LIGHT & EMERGENCY LIGHTS AHEAD OF SWITCHING. PROVIDE WITH A MINIMUM BATTERY RUN TIME OF 90 MINUTES.
- 3. WALL MOUNT THE EMERGENCY LIGHT FIXTURE AT 6" BELOW THE CEILING UNLESS NOTED OTHERWISE.
- 4. VERIFY MOUNTING HEIGHT OF EXIT SIGN PRIOR TO ROUGH-IN. EXIT SIGN MUST BE VISIBLE FROM AREA SERVED AFTER BUILDING SYSTEMS HAVE BEEN INSTALLED. SEE ARCHITECTURAL ELEVATIONS FOR FURTHER INFORMATION.
- 5. INSTALL LED DRIVERS FURNISHED WITH THE X9 LED STRIP LIGHTS ON WALL 6" ABOVE THE CEILING IN AN ACCESSIBLE LOCATION. PROVIDE LOW VOLTAGE WIRING FROM LED DRIVER TO THE X9 LIGHT FIXTURES AS SHOWN.
- 6. INSTALL LIGHT FIXTURES FURNISHED WITH THE WALK-IN COOLER. PROVIDE UNSWITCHED CONDUCTOR FROM LIGHTING CIRCUIT TO WALK-IN COOLER LIGHTING J-BOX AND FROM J-BOX TO LIGHT FIXTURES AS SHOWN. CONDUIT BETWEEN LIGHT FIXTURES SHALL BE ROUTED ON THE INTERIOR OF THE WALK-IN COOLER. SEAL INTERIOR AND EXTERIOR OF CONDUITS WHERE THEY PASS THROUGH THE WALK-IN COOLER ENVELOPE FER THE NEC.
- 7. NOT USED.
- 8. PROVIDE UNISTRUT AS SHOWN ON THE ARCHITECTURAL RCP PER THE ARCHITECTURAL UNISTRUT DETAIL. TYPICAL.
- 9. CONNECT EXTERIOR LIGHTING CIRCUIT TO CIRCUIT SHOWN THROUGH THE EXTERIOR LIGHTING CONTACTOR PANEL PER DETAIL 6/E710.
- 10. INSTALL WALL-MOUNTED OCCUPANCY SENSOR FURNISHED BY LIGHTING SUPPLIER AT 42" AFF. ADJUST OCCUPANCY SENSOR TO PROVIDE AUTOMATIC ON/AUTOMATIC OFF OPERATION WITH A FIXED TIMER OF 30 MINUTES AND WITH BOTH THE PASSIVE INFRARED AND ULTRASONIC SENSORS ENABLED.
- 11. LIGHT TO BE INSTALLED AS PART OF SHELL SCOPE. CIRCUITING SHOWN FOR REFERENCE ONLY. PROVIDE CONNECTIONS AS REQUIRED.

KEY NOTES:

- 12. INSTALL WALL-MOUNTED DIMMERS ABOVE PANELBOARDS 6" ABOVE LAY-IN CEILING FOR CONTROL OF DINING ROOM OVERHEAD STRIP LED AND PENDANT LIGHTS. CONNECT DIMMERS TO RELAYS SHOWN THROUGH THE LIGHTING CONTROL PANEL. SET DIMMERS AT 50%.
- 13. CONNECT DINING ROOM (RELAY CIRCUITS R4 AND R5) OVERHEAD STRIP LED LIGHTS TO THE RELAY INDICATED THROUGH THE CORRESPONDING WALL-MOUNTED DIMMER INSTALLED ABOVE THE PANELBOARDS.
- 14. INSTALL LIGHTING CONTROL SYSTEM PER DETAIL 6/710.
- 15. NOT USED.
- 16. PENETRATIONS THROUGH SHEAR WALL SHALL BE LIMITED TO 10" DIAMETER (OR A GROUP OF PENETRATIONS ALL CONTAINED WITH 10" DIAMETER). IF LARGER PENETRATIONS OR GROUPS OF PENETRATIONS ARE REQUIRED COORDINATE WITH STRUCTURAL ENGINEER FOR APPROPRIATE BRACING. SEE STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATION.
- 17. INSTALL CHIME/STROBE FURNISHED WITH VEHICLE DETECTION SYSTEM ON WALL 12" BELOW CEILING AND CONNECT TO VEHICLE DETECTOR SYSTEM PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. FEDERAL SIGNAL SLM500B W/ SLMBW-012-024. SET SWITCH A TO "CHIME 1 SINGLE" 11011 AND SWITCH B TO "CHIMEZ SINGLE" 00111
- 18. INSTALL E2 REMOTE EMERGENCY LIGHT TO BOTTOM OF CANOPY. CONCEAL LOW VOLTAGE WIRING FROM EXIT SIGN TO REMOTE EMERGENCY LIGHT.
- 19. PROVIDE JUNO CURRENT LIMITER TCLFM11 BL W/ TOLCB XX BLCK. BLACK CURRENT LIMITING END FEED WITH CIRCUIT BREAKER EITHER .5A OR 2A REFER TO DRAWING.

LIGHTING CONTROL PANEL SCHEDULE: LCP

RELAY	PANEL	CIRCUIT	AREA SERVED	CONTROL	TIME ON	TIME OFF	DIMMER CONTROLS	NOTES
R1	A	32	KITCHEN A	TIME CLOCK	7:00:00 AM	12:00:00 AM	N/A	SINGLE POLE (NC)
R2	A	32	KITCHEN B	TIME CLOCK	7:00:00 AM	12:00:00 AM	N/A	SINGLE POLE (NC)
R3			SPARE					
R4	A	30	DINING ROOM A	TIME CLOCK	10:00:00 AM	12:00:00 AM	N/A	SINGLE POLE (NC)
R5	A	30	DINING ROOM B	TIME CLOCK	10:00:00 AM	12:00:00 AM	N/A	SINGLE POLE (NC)
R6	A	30	DINING ROOM DL	TIME CLOCK	10:00:00 AM	12:00:00 AM	N/A	SINGLE POLE (NC)
R7	A	28	RESTROOM EXHAUST FAN	TIME CLOCK	7:00:00 AM	12:00:00 AM	N/A	SINGLE POLE (NC)
R8	A	42	EXT. LIGHTING/SIGNAGE	TIME CLOCK	SUNSET - 1HR	12:00:00 AM	N/A	SINGLE POLE (NC)

LIGHTING CONTROL PANEL SCHEDULE NOTES:  
A. DUPLICATE PANEL SCHEDULE AND PERMANENTLY INSTALL WITHIN THE LIGHTING CONTROL PANEL.

LIGHTING CONTROL COMPONENTS SCHEDULE

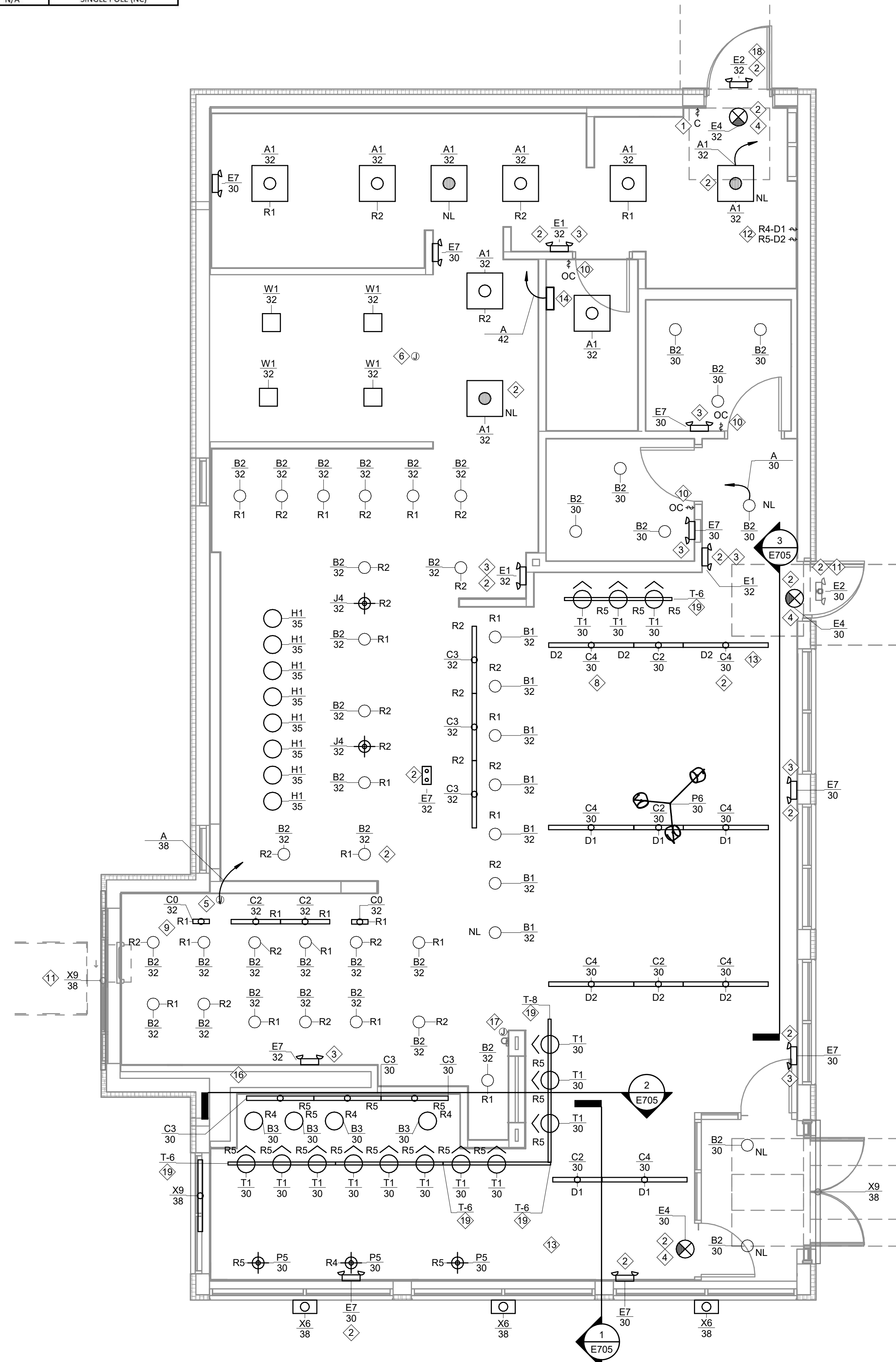
DESCRIPTION	QUANTITY	FURNISHED BY	INSTALLED BY	MANUFACTURER	MODEL	REMARKS
FLIGHT LIGHTING CONTROL PANEL	1	TLS	GC	ACUITY	ARP INTENCOR NLT 8FCR MVLVT FM DTC CPTLE1	8 RELAY PANEL FOR DIMMING CONTROL WITH FLUSH MOUNT ENCLOSURE, AND DIGITAL TIME CLOCK
WALL-MOUNTED OVERRIDE SWITCH	1	TLS	GC	ACUITY	HPDMA 4P	SEE LIGHTING CONTROL DIAGRAM FOR SWITCH CONFIGURATION
WALL-MOUNTED DIMMER SWITCH	2	TLS	GC	COOPER	SAL06P-W	SLIDE DIMMER COMPATIBLE WITH UP TO 300W LED LIGHTING. SET AT 50% IF DINING ROOM LIGHTS FLICKER AT THE DIMMER SETTING THEN GC SHALL PROVIDE LUTRON DVCL253P DIMMER AS REPLACEMENT.
WALL-MOUNTED LINE VOLTAGE OCCUPANCY SENSOR	3	TLS	GC	HUBBELL	LHMTS 1-N-WH	WHITE DUAL TECHNOLOGY SINGLE RELAY WITH 1 BUTTON AND NEUTRAL WIRING

LIGHT FIXTURE SCHEDULE

FIXTURE LETTER	FIXTURE STYLE	VOLTAGE	MOUNTING	LAMPS		BALLAST/ DRIVER	FIXTURE MAX VA	CONTROL MEDIA (LENS, LOUVER, ETC.)	MANUFACTURER'S SERIES NUMBER	FIXTURE DESCRIPTION	NOTES
				TYPE	COLOR						
A1	2X2 LED LENSED TROFFER	120	LAY-IN	INTEGRAL LED	3000K	DIMMING 0-10V (10%)	30 VA	0.125" MINIMUM ACRYLIC LENS	NORA LIGHTING NPDBL-E22/334 W	COMPATIBLE WITH 0-10V DIMMING, FACTORY LOCKED TO 3000K	
B1	RECESSED 6" CAN LIGHT	120	CEILING	17 W ECOSTORY ECO-PAR38C-17-GU24-274K-2SD LED W/ GU24 BASE	2700K	DIMMING 0-10V (1%)	17 VA	SEMI-SPECULAR CLEAR	NORA LIGHTING NHIC-6G24ATFL W/ NTM-57W/M1 TRIM		
B2	RECESSED 6" CAN LIGHT W/ LED TRIM	120	CEILING	INTEGRAL LED	3000K	DIMMING 0-10V (1%)	17 VA	SEMI-SPECULAR CLEAR	NORA LIGHTING NHIC-6G24ATFL W/ NLBCB-65130WW LED TRIM SERIES	LED TRIM FURNISHED WITH GU24 SOCKET ADAPTER	
B3	RECESSED 6" CAN LIGHT W/ BLACK LED TRIM	120	CEILING	INTEGRAL LED	3000K	DIMMING 0-10V (1%)	12 VA	SEMI-SPECULAR CLEAR SELF FLANGED MEDIUM DISTRIBUTION	NORA LIGHTING NHIC-6G24ATFL W/ NLBCB2-65127BB LED TRIM	BLACK LED TRIM FURNISHED WITH GU24 SOCKET ADAPTER	
C0	LOW PROFILE LED - 1 FT	120	SURFACE	INTEGRAL LED	3000K	DIMMING 0-10V (10%)	5 VA	FLUSH, SNAP-IN SATIN LENS	HERA LIGHTING EULED/12/WW	FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWARE BOX OR CORD/PLUG PER SECTION	
C2	LOW PROFILE LED - 3 FT	120	SURFACE	INTEGRAL LED	3000K	DIMMING 0-10V (10%)	12 VA	FLUSH, SNAP-IN SATIN LENS	HERA LIGHTING EULED/34/WW	FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWARE BOX OR CORD/PLUG PER SECTION	
C3	LOW PROFILE LED - 4 FT	120	SURFACE	INTEGRAL LED	3000K	DIMMING 0-10V (10%)	15 VA	FLUSH, SNAP-IN SATIN LENS	HERA LIGHTING EULED/46/WW	FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWARE BOX OR CORD/PLUG PER SECTION	
C4	LOW PROFILE LED - 5 FT	120	SURFACE	INTEGRAL LED	3000K	DIMMING 0-10V (10%)	18 VA	FLUSH, SNAP-IN SATIN LENS	HERA LIGHTING EULED/59/WW	FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWARE BOX OR CORD/PLUG PER SECTION	
E1	EMERGENCY LIGHT - DUAL HEAD	120	VARIOUS	INTEGRAL LED	N/A	N/A	2 VA	GLARE FREE LENS	EXITRONIX LED-90	90 MINUTE BATTERY BACKUP	
E2	EXTERIOR REMOTE EMERGENCY LIGHT	120	VARIOUS	INTEGRAL LED	N/A	N/A	1 VA	GLARE FREE LENS	EXITRONIX MLED1-8-WP	LOW VOLTAGE REMOTE EMERGENCY LIGHT POWERED BY REMOTE-CAPABLE EXIT SIGN WITH MOUNTING PLATE	
E4	WHITE EXIT SIGN WITH EMERGENCY LIGHT - STANDARD RED LETTERS	120	VARIOUS	INTEGRAL LED	RED	N/A	4 VA	RED LETTERS	EXITRONIX CLED-U-WH	90 MINUTE BATTERY BACKUP WITH INTEGRAL EMERGENCY LIGHT, REMOTE HEAD CAPABLE	
E7	EMERGENCY LIGHT	120	VARIOUS	INTEGRAL LED	N/A	N/A	2 VA	GLARE FREE LENS	EXITRONIX EV2	90 MINUTE BATTERY BACKUP	
H1	VAPOR PROOF HOOD LIGHT	120	SURFACE	TCP L16A19N1527K	2700K	DIMMING 0-10V (1%)	15 VA	SEMI-SPECULAR CLEAR SELF FLANGED MEDIUM DISTRIBUTION	FURNISHED W/ HOOD	INSTALL LAMP FURNISHED SEPARATELY BY LIGHTING SUPPLIER	
J4	DECORATIVE PENDANT	120	PENDANT	GREEN CREATIVE 9A19DIM927/GU24/R	2700K	DIMMING 0-10V (10%)	9 VA	TO BE DETERMINED	BARNLIGHT BLE-C-JGT-133-35630-3	WITH BLACK LAMP SHADE, BLACK CORD, AND OAK LAMP HOLDER	
P5	PENDANT	120	PENDANT	TCP FG25D4027CCQ	2700K	DIMMING 0-10V (10%)	5 VA	TO BE DETERMINED	HI-LITE MGF H-LC-91/CB12-91/20W LBL W/ TCP-FG25D4027CCQ	ADJUST CORD LENGTH FOR MOUNTING HEIGHT CALLED FOR IN ARCHITECTURAL DRAWINGS	
P6	DECORATIVE DINING ROOM PENDANT	120	PENDANT	INTEGRAL LED	4000K	DIMMING 0-10V (10%)	30	ACRYLIC WHITE FROST	BARNLIGHT BLE-C-JGT-133-35630-3	HARDWIRED SET OF (3) HEADS WITH UNIVERSAL CANOPY AND STANDARD BLACK CABLES	
T1	TRACK HEAD	120	TRACK	INTEGRAL LED	3000K	DIMMING 0-10V (10%)	10 VA	TO BE DETERMINED	JUNO R605L-30K-90CRI-PDIM-WFL-BL	BLACK CYLINDER TRACK HEAD W/ UNIVERSAL 120V TRAC ADAPTER AND WIDE FLOOD BEAM	
T-6	TRACK 6 FT	120	SURFACE	N/A	N/A	N/A	-	TWO CIRCUIT TRACK, BLACK.	JUNO T-6FT-BL	SINGLE CIRCUIT, BLACK FINISH. FURNISH WITH CONNECTORS TO ACHIEVE ARRANGEMENT SHOWN ON PLANS. TRIM AS REQUIRED FOR LENGTHS SHOWN.	
T-8	TRACK 8 FT	120	SURFACE	N/A	N/A	N/A	-	TWO CIRCUIT TRACK, BLACK.	JUNO T-8FT-BL	SINGLE CIRCUIT, BLACK FINISH. FURNISH WITH CONNECTORS TO ACHIEVE ARRANGEMENT SHOWN ON PLANS. TRIM AS REQUIRED FOR LENGTHS SHOWN.	
W1	4" SQUARE DOWNLIGHT	120	RECESSED GYP-BOARD AND/OR LAY-IN GRID INVERTED TEE	INTEGRAL LED	-	DIMMING 0-10V (1%)	29 VA	SEMI-SPECULAR CLEAR SELF FLANGED MEDIUM DISTRIBUTION	FURNISHED W/ WIC	WET-RATED COOLER FIXTURE, FURNISHED WITH WIC	
X6	WEATHER PROOF WALL PACK - TRAPEZOID	120	WALL	INTEGRAL LED	5000K	DIMMING 0-10V	10 VA	CLEAR TEMPERED GLASS, TYPE III DISTRIBUTION	RAB WPLED-10-Y-S-PC	BRONZE, WALL PACK	
X9	EXTERIOR LED CHANNEL LIGHT	120	SURFACE	FLEXSR-45-30-67-24	-	DIMMING 0-10V (10%)	45 VA	FLUSH, SNAP-IN SATIN LENS	PARADIGM LED AMC-2410-S W/ OPAL LENS AND END CAPS	FURNISHED W/ REMOTE-MOUNTED NEMA 3R LED DRIVER. SEE PLAN FOR LENGTHS.	

GENERAL ELECTRICAL NOTES:

- A. SEE THE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LIGHT LOCATIONS.
- B. SEE THE ARCHITECTURAL LIGHTING DETAILS FOR FIXTURE CONSTRUCTION DETAILS.



1 - Lighting - New - Plot  
1/4" = 1'-0"



DUNHAM  
50 South Sixth Street / Suite 1100  
Minneapolis, Minnesota 55402-1540  
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Dunham Project No. 0424794-010

CLIENT:



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PROJECT INFORMATION:

STORE NO.: 5307  
"CLOCKTOWER COMMONS"  
CROSSTOWN BLVD NW &  
HANSON BLVD NW  
ANDOVER, MN 55304

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

*Jay D. Rohkohl*  
Signature  
Jay D. Rohkohl  
Typed or Printed Name

23434 11/12/2024  
License # Date

PROJECT NO. 2023-0519  
DRAWN BY CM  
CHECKED BY RM

ISSUE RECORD:  
05.27.2024 CHECK SET  
08.03.2024 PERMIT SET  
08.20.2024 BID SET  
11.12.2024 CONSTRUCTION SET

REVISIONS:  
2 08/20/2024 City Comments

TITLE:  
ELECTRICAL  
LIGHTING PLAN

SHEET NUMBER:

E100



**ELECTRICAL EQUIPMENT SCHEDULE**

EQUIPMENT TAG	DESCRIPTION	AMPS	VOLTAGE	PHASE	PANEL	CIRCUIT NUMBER	CONDUIT AND FEEDER SIZE
1A	COLD TOP (SERVE LINE)	12.0	120 V	1	B	11	1/2" 2#12 & 1#12 GND.
2A	TORTILLA WARMER (SERVE LINE)	13.0	208 V	1	B	25,27	1/2" 2#12 & 1#12 GND.
2B	TORTILLA WARMER (SERVE LINE)	13.0	208 V	1	B	22,24	1/2" 2#12 & 1#12 GND.
5B	SODA SYSTEM DISPENSER	9.3	120 V	1	B	4	1/2" 2#12 & 1#12 GND.
7A	BULK CO2 TANK	10.8	120 V	1	B	1	1/2" 2#12 & 1#12 GND.
7B.1	UPRIGHT REFRIGERATOR	5.0	120 V	1	B	29	1/2" 2#12 & 1#12 GND.
7B.2	UPRIGHT REFRIGERATOR	5.0	120 V	1	B	29	1/2" 2#12 & 1#12 GND.
8	GAS WATER HEATER	5.0	120 V	1	B	17	1/2" 2#12 & 1#12 GND.
10	BLENDER (ISLAND)	11.3	120 V	1	B	3	1/2" 2#12 & 1#12 GND.
11	CARVING STATION	10.0	208 V	1	B	12,14	1/2" 2#12 & 1#12 GND.
12	REFRIGERATOR (COOK LINE)	2.6	120 V	1	B	26	1/2" 2#12 & 1#12 GND.
13	GAS GRIDDLE	0.6	120 V	1	B	19	1/2" 2#12 & 1#12 GND.
16	GAS FRYER	0.5	120 V	1	B	21	1/2" 2#12 & 1#12 GND.
18	RICE COOKER	0.5	120 V	1	B	21	1/2" 2#12 & 1#12 GND.
26	HOT HOLDING CABINET (RICE TABLE)	1.5	120 V	1	B	23	1/2" 2#12 & 1#12 GND.
32	CO2 ALARM	11.7	120 V	1	B	1	1/2" 2#12 & 1#12 GND.
32.5	ICE MAKER SANITIZER	1.5	120 V	1	B	13	1/2" 2#12 & 1#12 GND.
32A	ICE MAKER	16.0	120 V	1	B	15	1/2" 2#12 & 1#12 GND.
32C	ICE MAKER (UTENSIL COUNTER)	12.0	120 V	1	B	6	1/2" 2#12 & 1#12 GND.
32D	SODA MACHINE (PICK UP WINDOW)	9.3	120 V	1	B	44	1/2" 2#12 & 1#12 GND.
43	UNDERCOUNTER COOLER (PICK UP WINDOW)	1.5	120 V	1	B	39	1/2" 2#12 & 1#12 GND.
56	ICE MACHINE (PICK UP WINDOW)	12.5	120 V	1	B	52	1/2" 2#12 & 1#12 GND.
61D	DISH MACHINE	25.6	208 V	1	B	31,33	3/4" 2#10 & 1#10 GND.
67	REFRIGERATED CASE SELF SERVE	8.8	120 V	1	B	9	1/2" 2#12 & 1#12 GND.
69B	BUBBLER	8.5	120 V	1	B	9	1/2" 2#12 & 1#12 GND.
71A	QUESADILLA MAKER	28.0	208 V	1	B	35,37	3/4" 2#10 & 1#10 GND.
71B	QUESADILLA MAKER	28.0	208 V	1	B	41,43	3/4" 2#10 & 1#10 GND.
200	FOOD WARMER (DML LINE)	11.7	120 V	1	B	32	1/2" 2#12 & 1#12 GND.
201	HOT FOOD SERVER (SERVE LINE)	20.0	208 V	1	B	16,18	3/4" 2#10 & 1#10 GND.
202	HOT FOOD SERVER (DML LINE)	20.0	208 V	1	B	28,30	3/4" 2#10 & 1#10 GND.
203	COLD TOP (DML LINE)	12.0	120 V	1	B	34	1/2" 2#12 & 1#12 GND.
AC-2	AIR CURTAIN 2	29.2	208 V	3	A	47,49,51	3/4" 3#8 & 1#10 GND.
UH-1	UNIT HEATER 1	3 KW	208 V	1	A	41,43	1/2" 2#12 & 1#12 GND.

**KEY NOTES:**

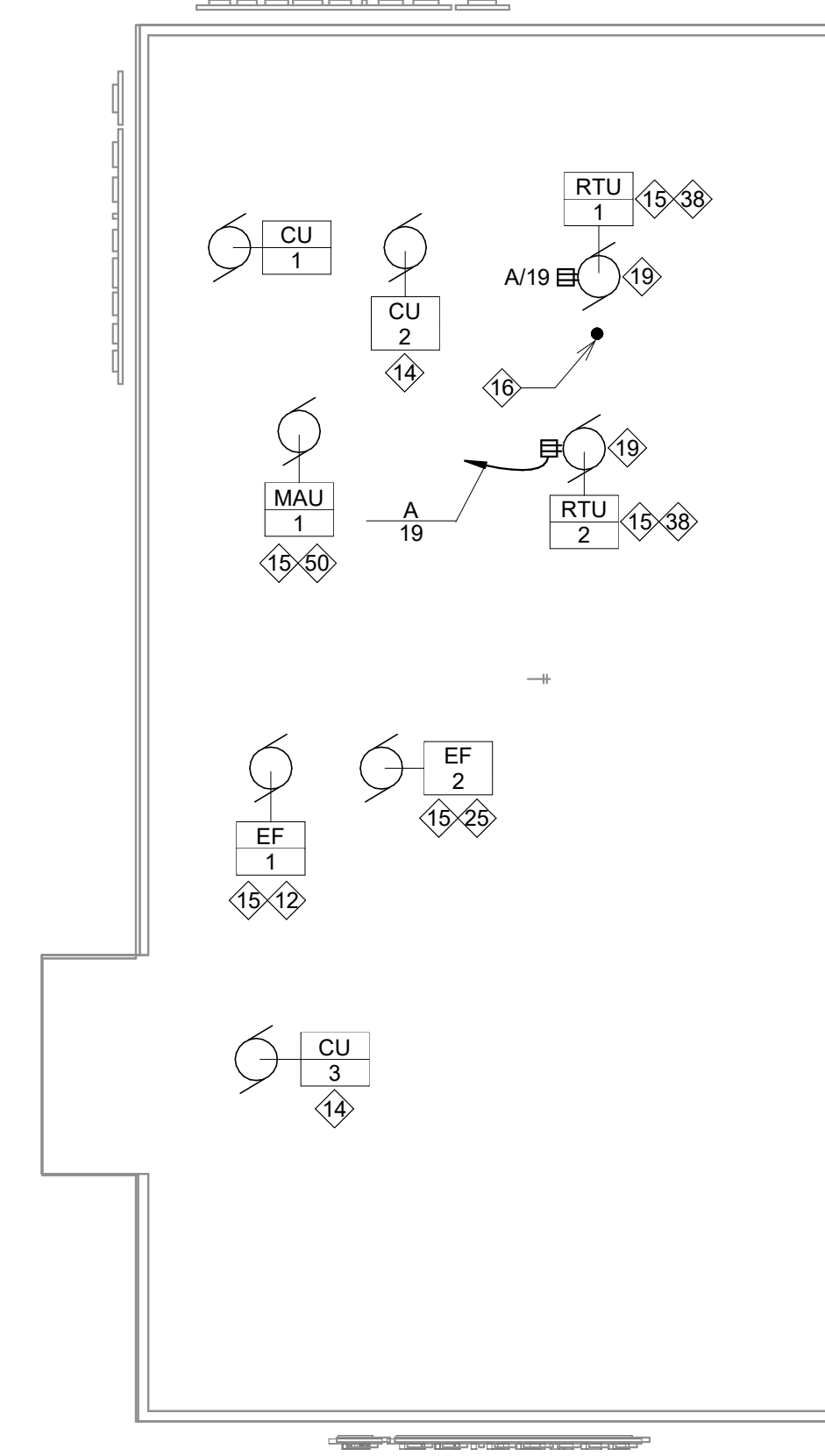
- SHOW ROOM WINDOW RECEPTACLE. COORDINATE EXACT RECEPTACLE MOUNTING HEIGHT IN THE FIELD WHERE SHOWN ON WALL. MUST BE IN CEILING ABOVE WINDOW WHERE CEILING MOUNTED RECEPTACLE IS SHOWN. LOCATION SHALL BE IN THE DRYWALL IMMEDIATELY ABOVE THE MAIN STORE-FRONT WINDOW AND AS SHOWN IN THE DINING ROOM ELECTRICAL ELEVATIONS ON SHEET E700.
- ICE MACHINE ELECTRICAL TIE-IN. COORDINATE EXACT LOCATION WITH EQUIPMENT INSTALLER PRIOR TO ROUGH-IN. PROVIDE L5-20P FLANGED INLET WIRED TO THE REMOTE CONDENSER. PROVIDE 48" CORDS, ONE WITH 5-20P END AND ONE WITH L5-20P END, FROM ICE MAKER TO RECEPTACLE AND FLANGED INLET.
- CONNECT RECEPTACLES SERVING EQUIPMENT BELOW THE KITCHEN HOOD TO THE CIRCUITS SHOWN THROUGH THE CONTACTOR INTEGRAL TO THE HOOD CONTROL PANEL. INTEGRAL CONTACTOR SHALL BE INTERLOCKED TO HOOD FIRE PROTECTION SYSTEM SO THAT RECEPTACLES ARE DE-ENERGIZED UPON ACTIVATION OF HOOD FIRE PROTECTION SYSTEM.
- JUNCTION BOX FOR EXTERIOR SIGN LIGHTING. COORDINATE EXACT LOCATION WITH CHIPOTLE'S CONSTRUCTION MANAGER AND THE SIGN INSTALLER PRIOR TO ROUGH-IN. CONNECT TO CIRCUIT SHOWN THROUGH THE EXTERIOR LIGHTING CONTACTOR PANEL AS SHOWN IN DETAIL 6/E710.
- PROVIDE 4" OCTAGONAL JUNCTION BOX WITH SCREW THREADS SET AT THE 2 & 8 O'CLOCK POSITIONS FOR THE KITCHEN EXHAUST SUPPRESSION SYSTEM PULL STATION. PROVIDE A 1/2" CONDUIT FROM THE J-BOX TO 6" ABOVE THE CEILING AND TERMINATE WITH A CONDUIT BUSHING. COORDINATE EXACT LOCATION WITH THE KITCHEN EXHAUST SUPPRESSION SYSTEM INSTALLER AND THE FIRE MARSHAL PRIOR TO ROUGH-IN.
- HOOD CONTROL PANEL AND KITCHEN EXHAUST SUPPRESSION SYSTEM CABINET SHALL BE LOCATED WITHIN THE INTEGRAL HOOD UTILITY CABINET. PROVIDE FINAL ELECTRICAL CONNECTIONS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
- PROVIDE A DUPLEX GFCI RECEPTACLE WITH WEATHERPROOF WHILE IN USE OUTLET COVER FOR IRRIGATION CONTROLLER.
- PROVIDE AN EMPTY SINGLE GANG J-BOX FOR VOLUME CONTROLS. INSTALL 16/2 SPEAKER WIRE FURNISHED BY MSS FROM THE J-BOX TO THE AMPLIFIER IN THE OFFICE WITH 3 FEET OF SLACK AT EACH END.
- COORDINATE DATA/POWER RECEPTACLE MOUNTING REQUIREMENTS WITH THE CASE WORK INSTALLER PRIOR TO ROUGH-IN.
- PROVIDE ROUGH-IN FOR LAUNCHPORT AS NOTED. LAUNCHPORT WILL BE FURNISHED AND INSTALLED BY CHIPOTLE WITH THE WALLSTATION AT 62" AFF. PROVIDE A 4" X 2-1/8" DEEP OCTAGON J-BOX WITH 1-1/2" EXTENSION RING AT 62" AFF FOR THE WALLSTATION INSTALLATION WITH A 1" CONDUIT WITH PULL STRING FROM THE J-BOX TO ABOVE THE OFFICE CEILING.
- PROVIDE (2) EMPTY 2" CONDUITS WITH PULL STRINGS FROM THE BASE BUILDING'S TELEPHONE AND DATA SERVICE ENTRANCE LOCATIONS TO THE SPACE ABOVE THE OFFICE CEILING. TERMINATE WITH CONDUIT BUSHING.
- PROVIDE A SUITABLE LENGTH OF LIQUID-TIGHT CONDUIT TO THE EXHAUST FAN EF-1 TO ALLOW THE EXHAUST FAN TO HINGE COMPLETELY OPEN WHEN THE VIROGUARD SYSTEM IS INSTALLED.
- AFTER THE FAX LINE, POS, AND OFFICE EQUIPMENT IS INSTALLED PROVIDE CHILDPROOF RECEPTACLE COVERS ON UNUSED IG RECEPTACLES AT THE FAX LINE, POS, AND OFFICE.
- PROVIDE ONE PHASE, ONE NEUTRAL, AND ONE GROUND CONDUCTOR FROM THE ICE MAKER TO THE REMOTE CONDENSING UNIT.
- UNIT SHALL HAVE AN INTEGRAL NON-FUSED DISCONNECT SWITCH.
- PROVIDE 3" CONDUIT (EMT, IMC, OR RMC) THROUGH ROOF. TERMINATE WITH WEATHERHEAD 12" ABOVE ROOF FOR FUTURE CELL BOOSTER.
- INSTALL THE BYPASS DISTRIBUTION PANEL (BDP) FURNISHED BY THE TENANT. INSTALL PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND DETAIL 3/E710.
- ROUGH-INS TO SERVE LINE AND POS EQUIPMENT ARE UNDERGROUND. COORDINATE ROUGH-IN REQUIREMENTS AND LOCATIONS WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN.
- ROOFTOP UNIT SHALL HAVE AN INTEGRAL UNIT-MOUNTED GFCI RECEPTACLE. PROVIDE CONNECTION TO CIRCUIT SHOWN.
- ICE MAKER RECEPTACLES SHALL BE CONCEALED BEHIND THE ICE MAKER. COORDINATE LOCATION WITH ACTUAL WIDTH OF ICE MAKER.
- PROVIDE VERTICAL METAL DIE CAST WEATHERPROOF WHILE IN USE OUTLET COVER ON RECEPTACLES AT COOK LINE. COVER SHALL BE INTERMATIC WP1010MXD FOR SINGLE GANG BOXES AND WP1030MXD FOR DOUBLE GANG BOXES. NO SUBSTITUTIONS SHALL BE ACCEPTED.
- LABEL BATTERY-PROTECTED RECEPTACLES "BATTERY-PROTECTED; DISCONNECT AT PANEL BDP".

**KEY NOTES:**

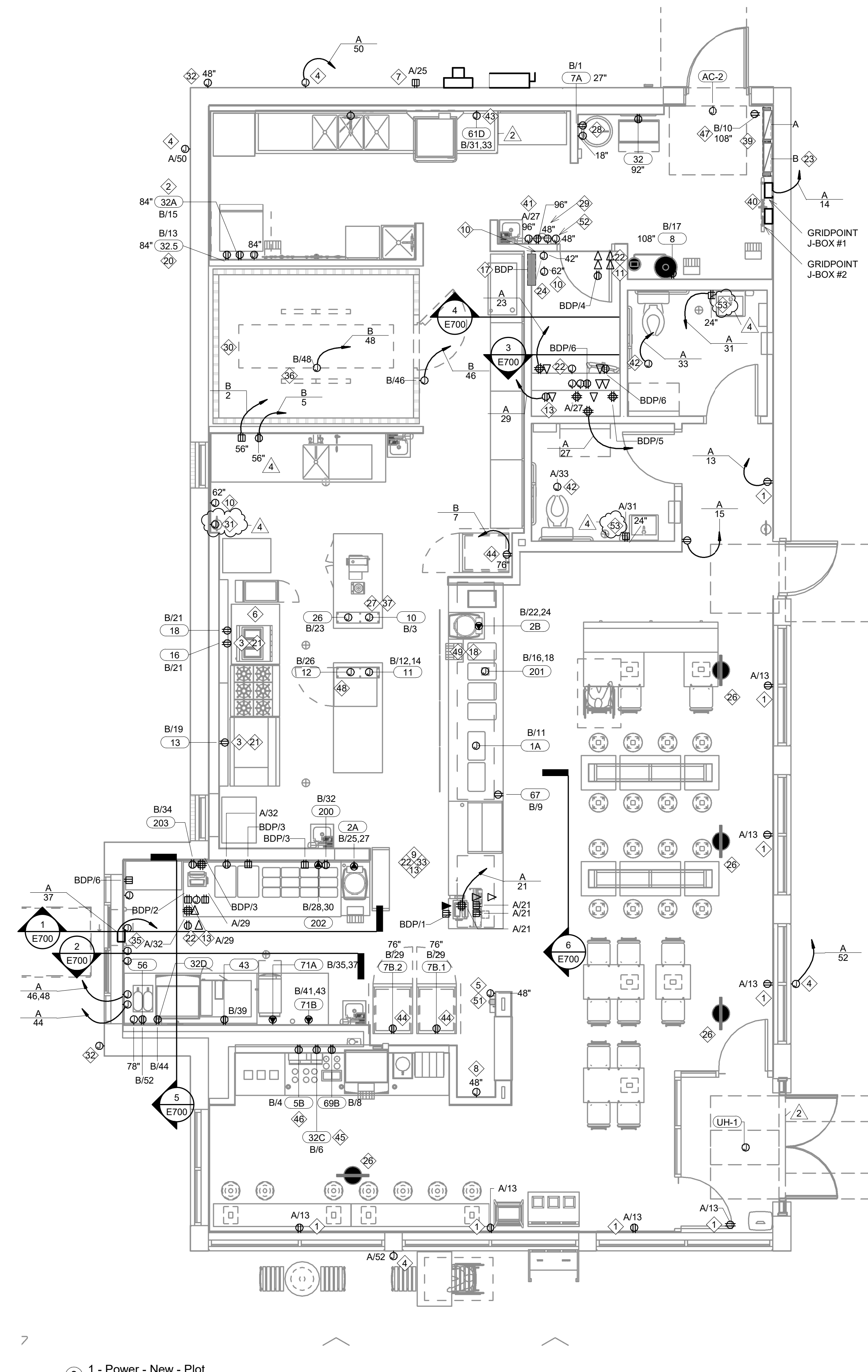
- LABEL MAIN DISCONNECT SWITCH AND PANEL A "WARNING; BATTERY-PROTECTED RECEPTACLES IN USE. DISCONNECT AT PANEL BDP."
- PROVIDE A NEMA 5-20P FLANGED INLET (LEVITON MODEL #15378-C) AND A SINGLE NEMA 5-20R RECEPTACLE IN OFFICE FOR CONNECTION TO A CENTRAL UPS SYSTEM. CONNECT THE FLANGED INLET AND THE SINGLE RECEPTACLE TO THE TERMINAL BLOCK IN THE BDP PER THE MANUFACTURER'S INSTRUCTIONS. PROVIDE FINAL CONNECTION FROM FLANGED INLET TO THE OUTPUT OF THE UPS USING A 2'-LONG 20A EXTENSION CORD. PLUG THE UPS INTO THE SINGLE RECEPTACLE.
- CONNECT RESTROOM EXHAUST FAN TO CIRCUIT SHOWN THROUGH THE LIGHTING CONTROL PANEL (LCP).
- INSTALL 16/2 SPEAKER WIRE FURNISHED BY MSS. INSTALL SPEAKER WIRE BETWEEN SPEAKERS IN THE DINING ROOM AS SHOWN TO THE VOLUME CONTROL IN THE KITCHEN WITH 3 FEET OF SLACK AT EACH END. SEE ARCHITECTURAL PLANS FOR SPEAKER LOCATIONS. ADJUST EACH SPEAKER 70V TAP SETTING TO BE 15 WATTS.
- PROVIDE POWER CONNECTIONS TO ISLAND PREP TABLE PER DETAIL 2/E710. PROVIDE GFCI DUPLEX RECEPTACLES IN TWO J-BOXES INTEGRAL TO PREP TABLE FOR HOT HOLDING CABINET AND GENERAL RECEPTACLE.
- PROVIDE GFCI RECEPTACLE AND J-BOX AND INSTALL CO2 ALARM FURNISHED BY COZAS AS SHOWN IN DETAIL 4/E710.
- PROVIDE J-BOX AND INSTALL CO2 ALARM REMOTE DISPLAY UNIT FURNISHED BY COZAS AS SHOWN IN DETAIL 4/E710.
- INSTALL WALK-IN-COOLER EXTERNAL READOUT THERMOMETER. REMOTE PROBE ON WALL OPPOSITE FROM DOOR AS SHOWN. ROUTE TEMPERATURE PROBE WIRE ABOVE WALK-IN COOLER CEILING PANELS. SEAL PENETRATIONS THROUGH THE CEILING PANELS, AND SECURE VERTICAL PROBE WIRE TIGHT TO WALLS. NO EXCESS PROBE WIRE SHALL BE WITHIN THE WALK-IN COOLER.
- PROVIDE A J-BOX 6" BELOW THE LAY-IN CEILING WITH A 1/2" CONDUIT ROUTED BACK TO THE HCP. PROVIDE 16 GA 3 CONDUCTOR LOW VOLTAGE WIRE FROM THE HOOD SUPPRESSION SYSTEM GAS VALVE BACK TO THE HCP WITH FINAL CONNECTION IN THE HCP BY THE FS INSTALLER. LOW VOLTAGE WIRING FROM THE J-BOX TO THE GAS VALVE SHALL BE CONCEALED WITHIN FLEXIBLE METAL CONDUIT OR LIQUIDTIGHT FLEXIBLE METAL CONDUIT. COORDINATE J-BOX LOCATION WITH GAS VALVE SO THAT CONDUIT IS 12" OR LESS.
- PROVIDE 4" SQUARE J-BOX ON EXTERIOR WALL FOR MOUNTING OF EXTERIOR CAMERA. SEE ARCHITECTURAL ELEVATION FOR EXACT HEIGHT AND LOCATION. PROVIDE 3/4" CONDUIT WITH PULLSTRING FROM J-BOX TO ABOVE LAY-IN CEILING AREA IN KITCHEN. J-BOX SHALL NOT BE SURFACE MOUNTED. BASE OF CAMERA SHALL BE MOUNTED FLUSH TO EXTERIOR WALL FINISH.
- PROVIDE 1" CONDUITS FROM LOW-VOLTAGE J-BOXES AT POS COUNTER CONCEALED WITHIN THE SERVE LINE WIRING CHASE TO THE WALL. THEN CONCEALED WITHIN THE WALL AND ABOVE THE CEILING TO ABOVE THE OFFICE CEILING.
- NOT USED.
- INSTALL VEHICLE DETECTOR SYSTEM FURNISHED BY TJS SURFACE-MOUNTED ON WALL IN ACCESSIBLE LOCATION ABOVE CEILING AND CONNECT TO STROBECHIME AND DETECTOR LOOP PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. MAKE FINAL ADJUSTMENTS TO LOOP SENSITIVITY PER THE MANUFACTURER'S INSTRUCTIONS. ONCE ALL COMPONENTS ARE INSTALLED AND OPERATIONAL THE CHIME/STROBE LIGHT SHOULD STAY ILLUMINATED AND THERE SHOULD BE A SINGLE CHIME WHEN A VEHICLE DRIVES OVER OR STOPS ON LOOP.
- SEAL INTERIOR AND EXTERIOR OF CONDUITS THAT PASS THROUGH THE WALK-IN COOLER ENVELOPE PER THE NEC.
- PROVIDE ISLAND PREP TABLE FOOD WARMER RECEPTACLE WITH GROUND PIN TOWARDS THE BOTTOM OF THE RECEPTACLE.
- INSTALL TRANSFORMER FURNISHED BY TUV WITH THE REME HALO AIR PURIFIER IN THE JUNCTION BOX ON THE EXTERIOR OF THE RTU PER DETAIL 6/M700. CONNECT LINE SIDE OF THE TRANSFORMER TO THE RTU SERVICE RECEPTACLE CIRCUIT SO THAT REME HALO RUNS CONTINUOUSLY. CONNECT THE LOW VOLTAGE SIDE OF THE TRANSFORMER TO THE REME HALO USING THE INCLUDED BARREL PLUG.
- PROVIDE (2) 10"x10"x4" JUNCTION BOXES (J-BOX #1/J-BOX #2) ON THE WALL ABOVE PANELBOARDS 6" BELOW THE LAY-IN CEILING AND MOUNTED ADJACENT TO EACH. PROVIDE CONDUITS AND WIRING SHOWN IN DETAIL 8/E710. TENS SHALL PROVIDE GRIDPOINT 3 PHASE METER AND TRANSFORMER WITHIN J-BOX #1 AND GRIDPOINT IOM/HUB WITHIN J-BOX #2. SEE GRIDPOINT INSTALLATION SHEET FOR DETAILS.
- PROVIDE HORIZONTAL SINGLE-GANG J-BOX BELOW FUTURE GRIDPOINT CONTROLLER LOCATION. PROVIDE CONDUITS AND WIRING AS SHOWN IN DETAIL 6/E710.
- INSTALL WIRED DOOR BUZZER AT 96" AFF. SEE ARCHITECTURAL DOOR EQUIPMENT FOR EQUIPMENT INFORMATION. CONNECT TO CIRCUIT SHOWN THROUGH THE TRANSFORMER FURNISHED WITH THE DOOR BUZZER. PROVIDE WIRING TO A BUTTON ADJACENT TO THE SERVICE DOOR AND CONNECT PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

**KEY NOTES:**

- CONNECT BATHROOM SANITIZER TO CIRCUIT SHOWN SO THAT IT IS ENERGIZED AT ALL TIMES.
- PROVIDE POWER AND LOW VOLTAGE CONNECTIONS TO DISH SANITIZING MACHINE PER DETAIL 7/E710. CONNECT THE DETERGENT DISPENSER TO THE DISH MACHINE USING THE INCLUDED WIRING HARNESS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- PROVIDE RECEPTACLE FOR 2-DOOR AND 1-DOOR REFRIGERATORS WITH GROUND PINS TOWARDS THE BOTTOM OF THE RECEPTACLE.
- PROVIDE CORD AND NEMA 5-20P PLUG FROM UTENSIL COUNTER ICE MAKER, UTENSIL COUNTER RECEPTACLES, TO ICE MAKER RECEPTACLE.
- LABEL UTENSIL COUNTER RECEPTACLES "TRACTOR BEVERAGE", "ICE MAKER/IMSB", AND "SODA FOUNTAIN".
- LABEL RECEPTACLE "UV INSECT TRAP".
- PROVIDE POWER CONNECTIONS TO ISLAND PREP TABLE PER DETAIL 2/E710. PROVIDE GFCI DUPLEX RECEPTACLE IN THE J-BOX INTEGRAL TO PREP TABLE FOR UNDERCOUNTER REFRIGERATOR. PROVIDE FINAL CONNECTION TO CARVING STATION HEATER.
- IF NEUTRAL CONDUCTOR IS NOT NEEDED FOR SERVE LINE HOT FOOD SERVER TERMINATE NEUTRAL IN JUNCTION BOX.
- PROVIDE A TWO-CONDUCTOR LOW VOLTAGE WIRE IN 3/4" C. AND (4) #12, #12 N., #12 G. IN 1" C. FROM MAU-1 TO THE HOOD CONTROL PANEL PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- PROVIDE SINGLE-GANG J-BOX FOR DATA JACK AS SHOWN FOR KRONOS TIME CLOCK.
- PROVIDE A RECESSED J-BOX AT 48" AFF FOR THE INSTALLATION OF THE SECURITY SYSTEM KEYPAD WITH A 3/4" CONDUIT TO ABOVE THE DROP TILE CEILING IN THE OFFICE AREA. TERMINATE CONDUIT WITH A CONDUIT BUSHING.
- PROVIDE RECEPTACLE FOR RESTROOM HAND SINK FAUCET AS SHOWN IN DETAIL 14/P700.



2 - Power - New - Roof Plan  
1/8" = 1'-0"



3 - Power - New - Plot  
1/4" = 1'-0"

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PROJECT INFORMATION:  
STORE NO.: 5307  
"CLOCKTOWER COMMONS"  
CROSSTOWN BLVD NW &  
HANSON BLVD NW  
ANDOVER, MN 55304

SIGNATURE:  
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.  
Signature: Jay D. Rohkohl  
Typed or Printed Name: Jay D. Rohkohl  
License #: 23434  
Date: 11/12/2024

PROJECT NO: 2023-0519  
DRAWN BY: CM  
CHECKED BY: RM  
ISSUE RECORD:  
05.27.2024 CHECK SET  
06.03.2024 PERMIT SET  
08.20.2024 BID SET  
11.12.2024 CONSTRUCTION SET

REVISIONS:  
2 08/20/2024 City Comments  
4 01/08/2025 CB-02

TITLE:  
**ELECTRICAL  
POWER PLAN**  
SHEET NUMBER:  
**E110**

**LIGHT FIXTURE SCHEDULE - SITE**

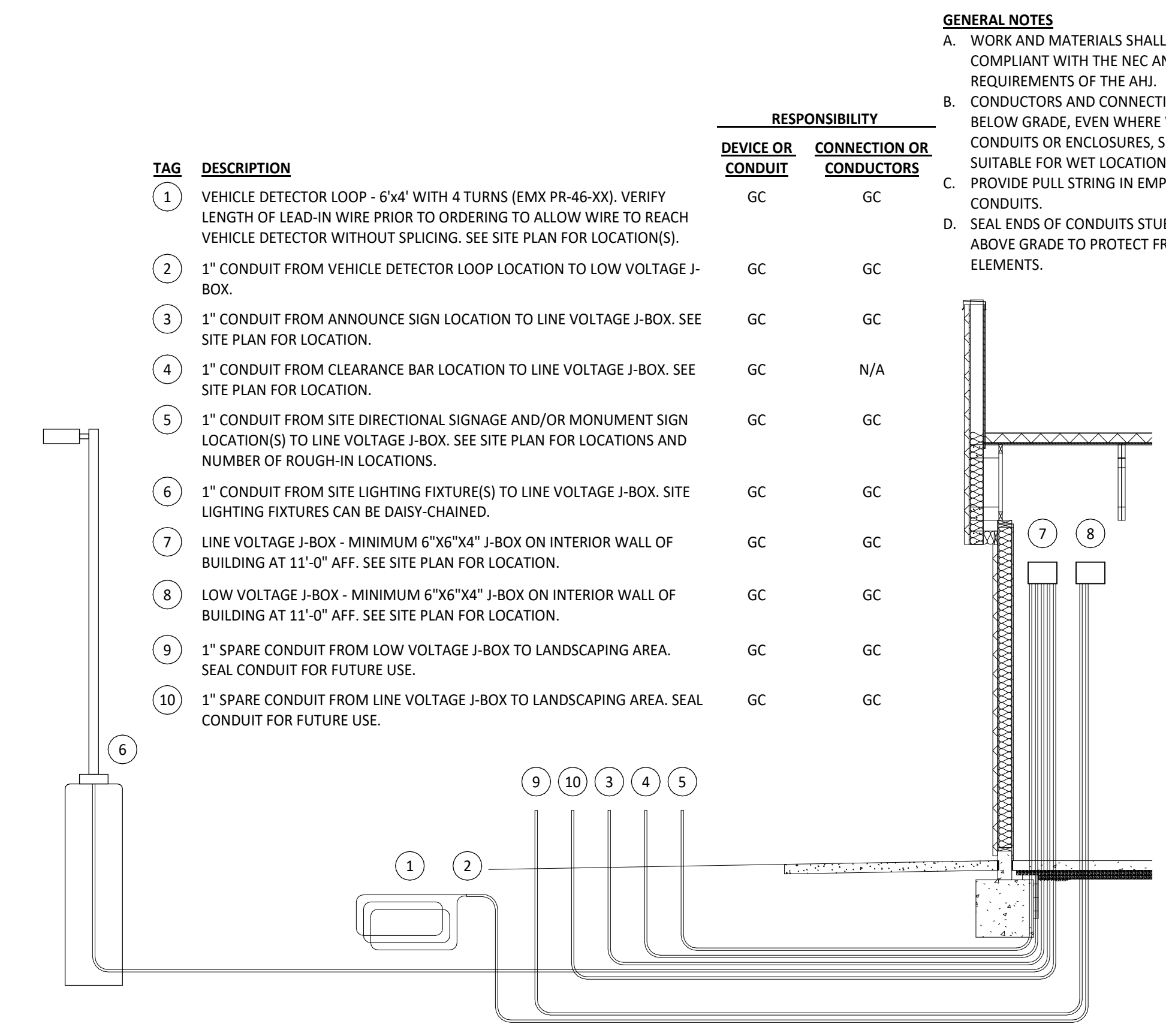
ELECTRICAL											
FIXTURE LETTER	FIXTURE STYLE	VOLTAGE	MOUNTING	LAMPS		BALLAST/ DRIVER	FIXTURE MAX VA	CONTROL MEDIA (LENS, LOUVER, ETC.)	MANUFACTURER'S SERIES NUMBER	FIXTURE DESCRIPTION	NOTES
				TYPE	COLOR						
AA3	POLE MOUNTED AREA LIGHT - 1 HEAD	120	POLE	LED XXX LUM MIN	4000K	XXXMA	100 VA PER HEAD	TYPE III DISTRIBUTION	EX-LITE SAL-100W-T3	T3 MOUNT ON 25' POLE W/ 3' BASE	
WP	WEATHER PROOF WALL PACK - TRAPEZOID	120	WALL	INTEGRAL LED	5000K	DIMMING 0-10V	28 VA	CLEAR TEMPERED GLASS, TYPE III DISTRIBUTION	EX-LITE WPC-28W	BRONZE, WALL PACK AT 8'	

**GENERAL ELECTRICAL NOTES:**  
 A. REFER TO SPECIFICATION SECTIONS 265100 AND 265600 FOR LIGHT FIXTURE REQUIREMENTS.  
 B. BRING CONFLICTS BETWEEN THE MANUFACTURER'S CATALOG NUMBER AND DESCRIPTIONS TO THE ATTENTION OF THE ENGINEER.  
 C. LIGHT SOURCE SHALL HAVE COLOR TEMPERATURE 3500K WITH MINIMUM CRI OF 80 UNLESS OTHERWISE NOTED.  
 D. UNLESS A SPECIFIC CATALOG NUMBER OR SERIES IS NAMED, THE MANUFACTURER'S NAMED ALTERNATES MUST SUBMIT CATALOG CUT SHEETS AND IES FORMATTED PHOTOMETRIC REPORT TO THE ENGINEER FOR APPROVAL AT LEAST 10 DAYS PRIOR TO BID DATE. THE ENGINEER MAY REQUEST SAMPLE OF LUMINAIRE TO BE SUPPLIED.  
 E. MINIMUM LUMENS LISTED FOR LIGHT FIXTURES ARE DELIVERED LUMENS BASED ON PHOTOMETRIC TESTING COMPLETED IN ACCORDANCE WITH IES LM-79 STANDARDS.  
 F. SUBSTITUTE LIGHT FIXTURE IS SUBJECT TO ARCHITECT/ENGINEER APPROVAL.

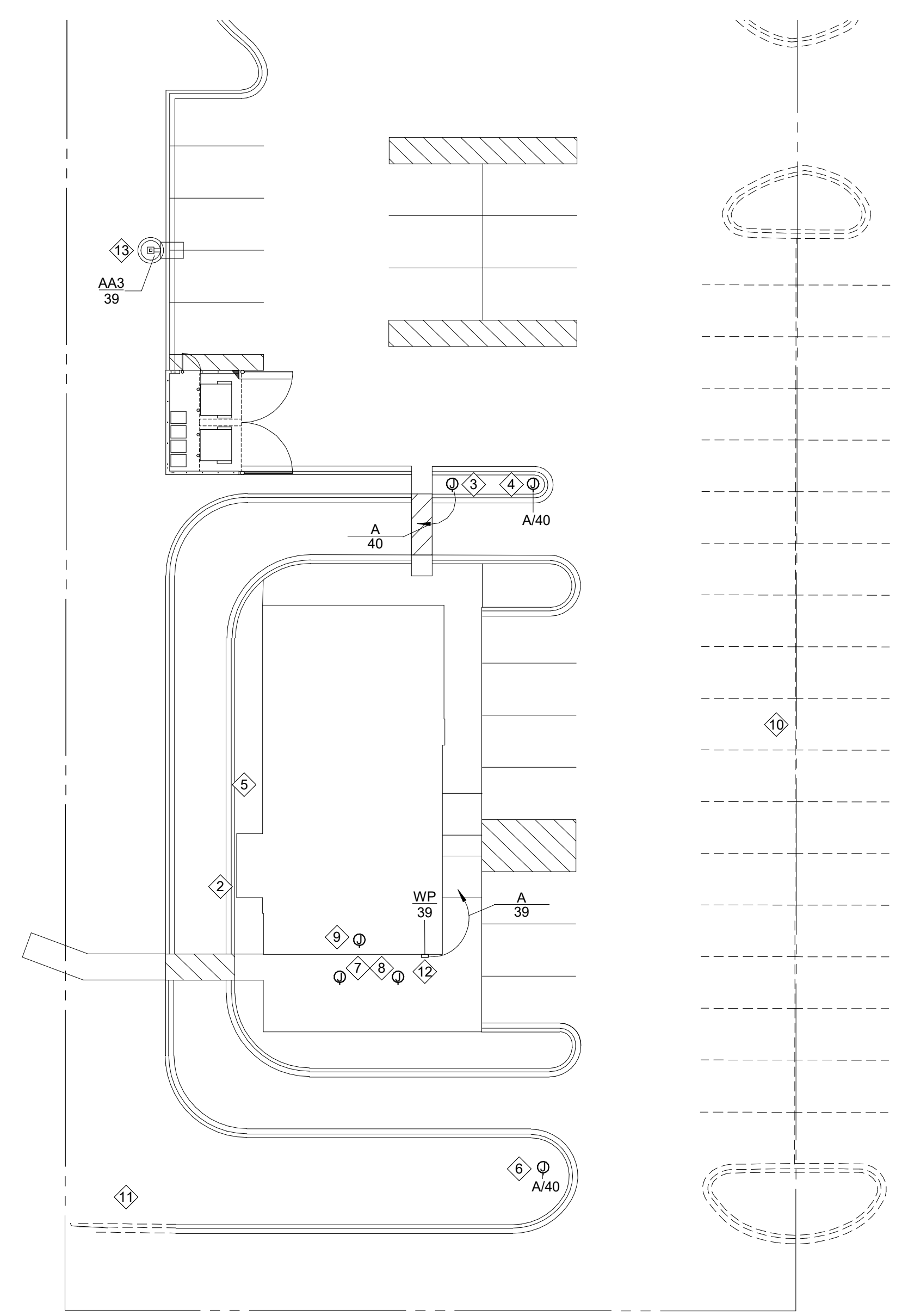
**NOTES:**

**KEY NOTES:**

- ① NOT USED.
- ② INSTALL VEHICLE DETECTION LOOP FURNISHED BY TLS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. ALIGN DTECTOR LOOP TO BE CENTERED ON THE PICK-UP WINDOW.
- ③ CONNECT ANNOUNCE SIGN TO CIRCUIT SHOWN THROUGH THE EXTERIOR LIGHTING CONTACTOR PANEL AS SHOWN IN DETAIL 6/E710. SEE DETAIL 2/THIS SHEET FOR SITE CONDUITS.
- ④ CONNECT DIRECTIONAL SIGN TO CIRCUIT SHOWN THROUGH THE EXTERIOR LIGHTING CONTACTOR PANEL AS SHOWN IN DETAIL 6/E710. SEE DETAIL 2/THIS SHEET FOR SITE CONDUITS.
- ⑤ PROVIDE EMPTY CONDUIT WITH PULL STRING TO CLEARANCE BAR. SEE DETAIL 2/THIS SHEET FOR SITE CONDUITS.
- ⑥ CONNECT MONUMENT SIGN TO CIRCUIT SHOWN THROUGH THE EXTERIOR LIGHTING CONTACTOR PANEL AS SHOWN IN DETAIL 6/E710. SEE DETAIL 2/THIS SHEET FOR SITE CONDUITS.
- ⑦ EXISTING 1" SPARE LOW VOLTAGE CONDUIT. SEE DETAIL 2/THIS SHEET FOR MORE INFORMATION.
- ⑧ EXISTING 1" SPARE LINE VOLTAGE CONDUIT. SEE DETAIL 2/THIS SHEET FOR MORE INFORMATION.
- ⑨ EXISTING INTERIOR J-BOXES AT 11'-0" AFF FOR LINE VOLTAGE AND LOW VOLTAGE SITE WIRING. SEE DETAIL 2/THIS SHEET FOR MORE INFORMATION.
- ⑩ SITE LIGHTING EXISTING TO REMAIN.
- ⑪ APPROXIMATE LOCATION OF EXISTING SITE TRANSFORMER.
- ⑫ EXISTING WALL PACK WITH CONDUIT AND WIRE PROVIDED BY LANDLORD WITH STUB BY ELECTRICAL PANEL. ELECTRICAL CONTRACTOR TO MAKE FINAL CONNECTION.
- ⑬ EXISTING SITE POLES WITH CONDUIT AND WIRE PROVIDED BY LANDLORD WITH STUB BY ELECTRICAL PANEL. ELECTRICAL CONTRACTOR TO MAKE FINAL CONNECTION.



② SITE CONDUIT DETAIL  
 1/4" = 1'-0"



③ Site - Electrical - New - PLOT  
 1" = 20'-0"

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 PROJECT INFORMATION:

STORE NO.: 5307  
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 CROSSTOWN BLVD NW &  
 HANSON BLVD NW  
 ANDOVER, MN 55304

SEAL:  
 I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.  
  
 Signature  
 Jay D. Rohkohl  
 Typed or Printed Name  
 23434 11/12/2024  
 License # Date

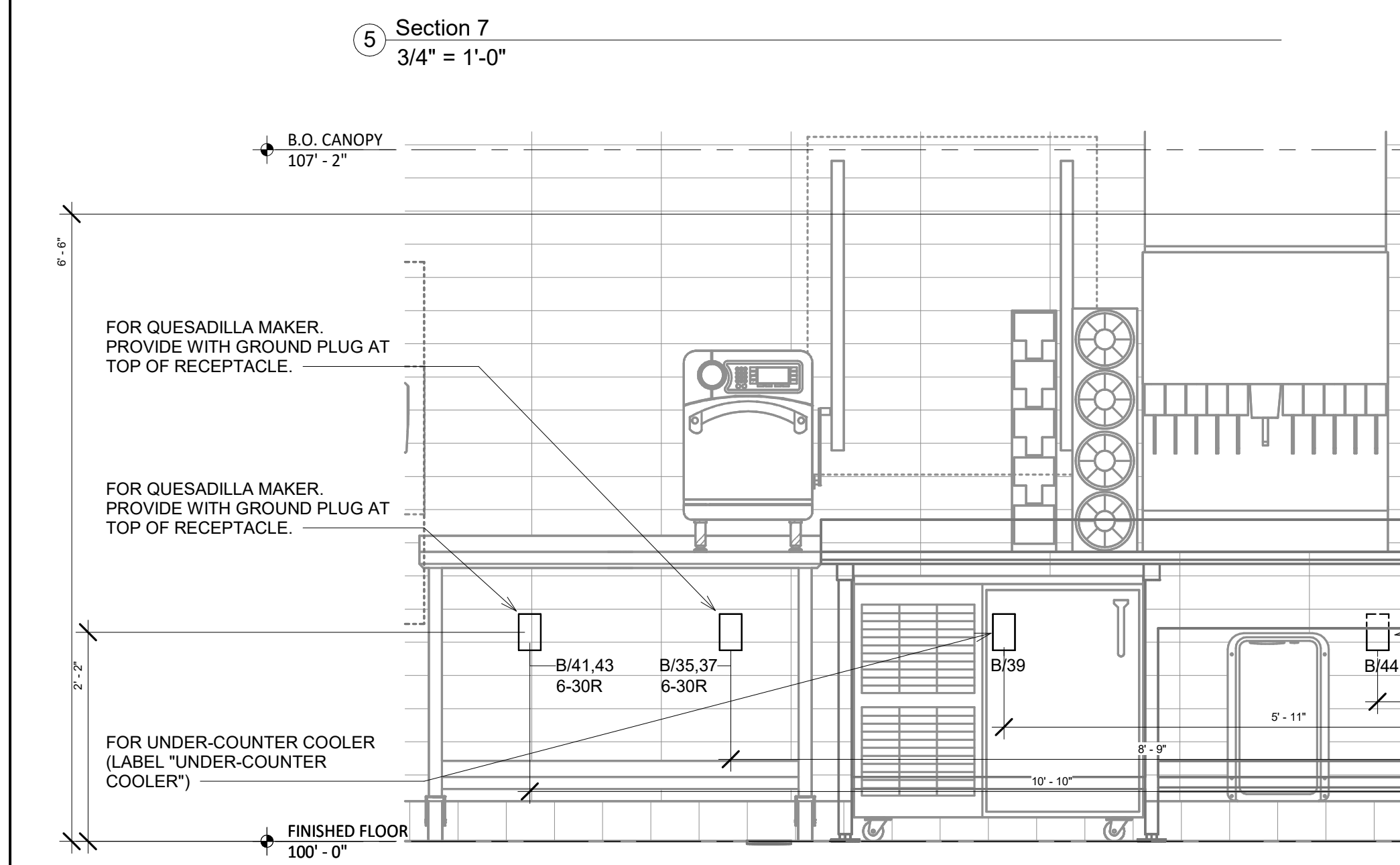
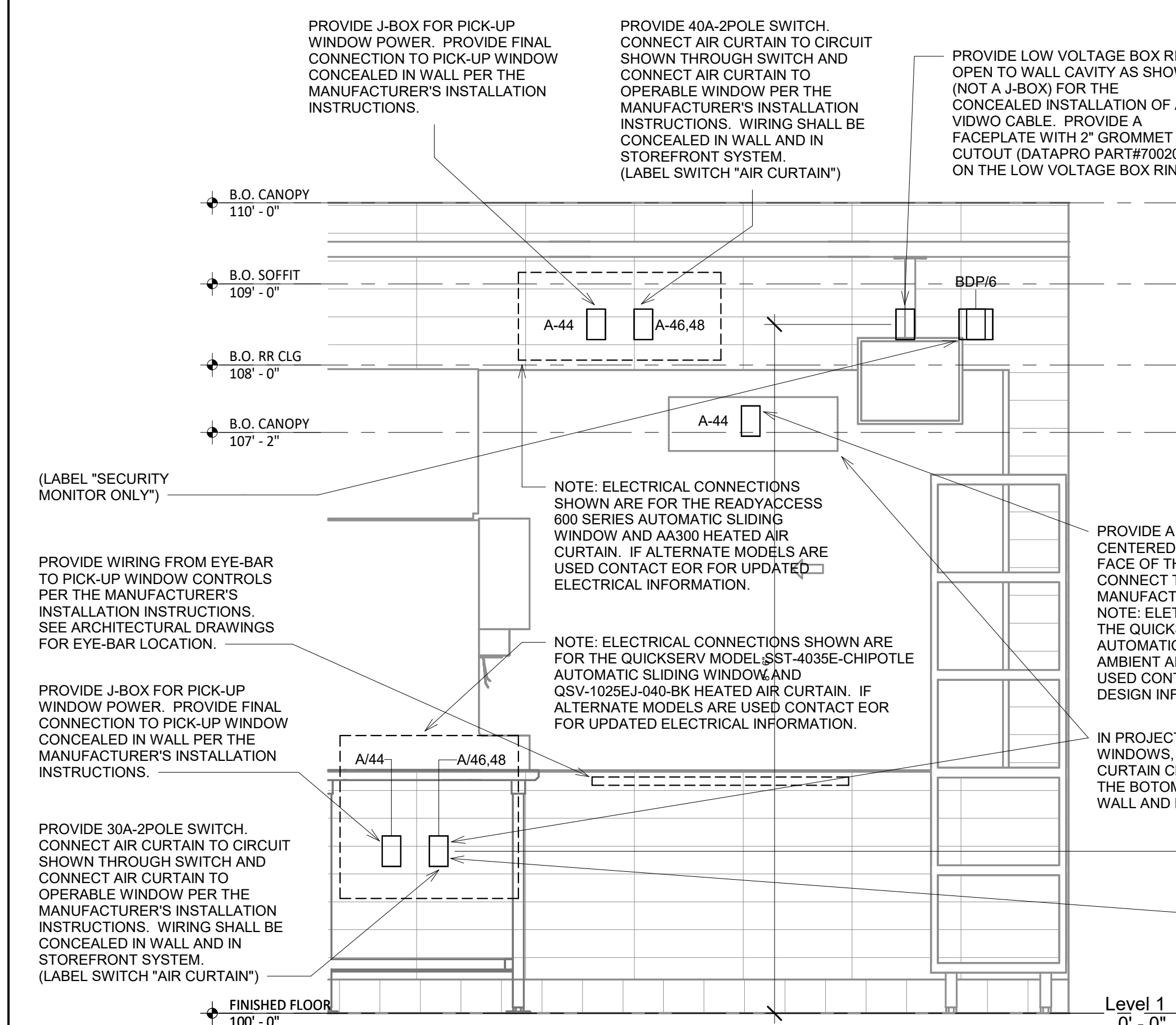
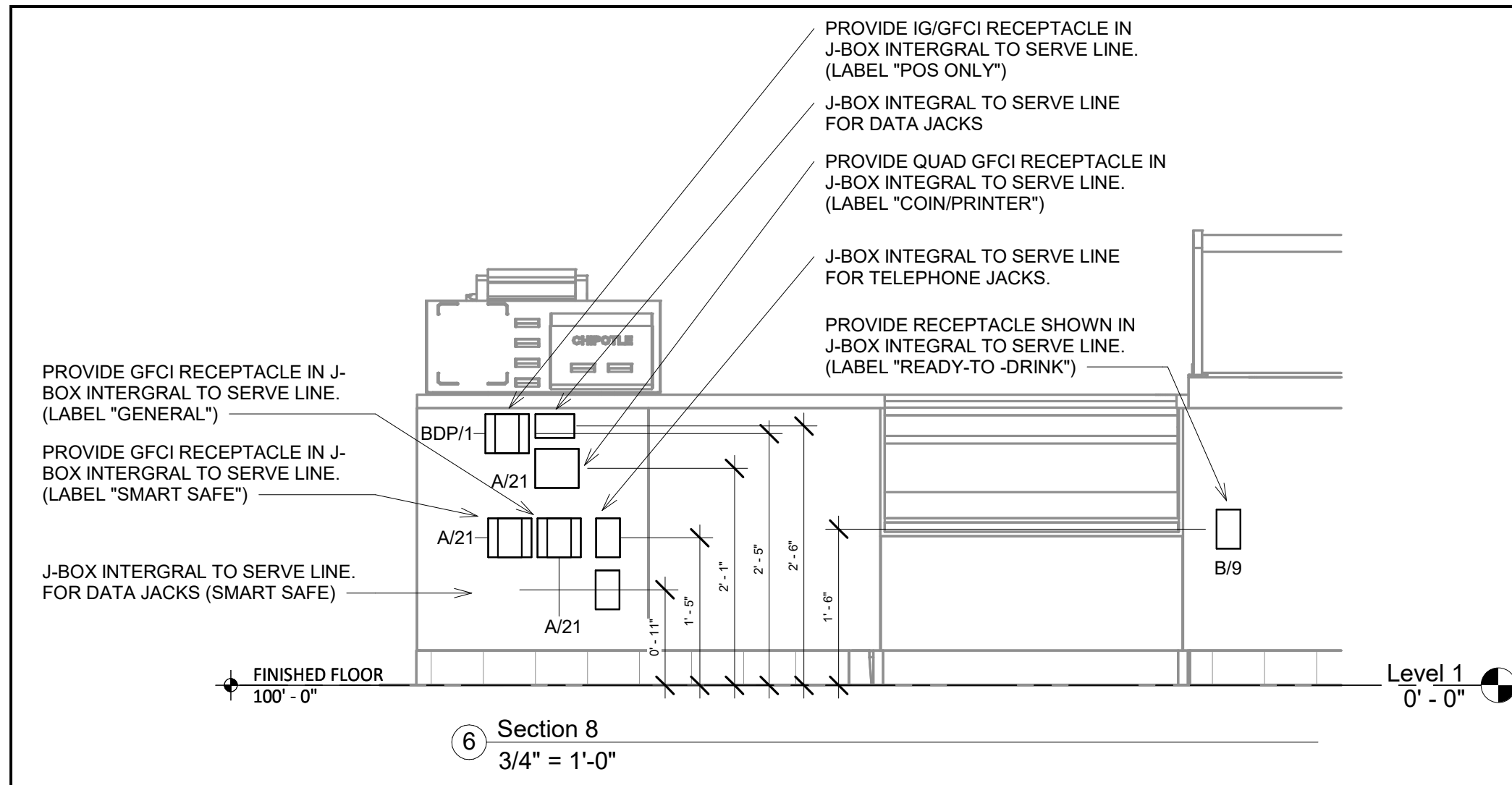
PROJECT NO. 2023-0519  
 DRAWN BY CM  
 CHECKED BY RM  
 ISSUE RECORD:  
 05.27.2024 CHECK SET  
 06.03.2024 PERMIT SET  
 08.20.2024 BID SET  
 11.12.2024 CONSTRUCTION SET

REVISIONS:  
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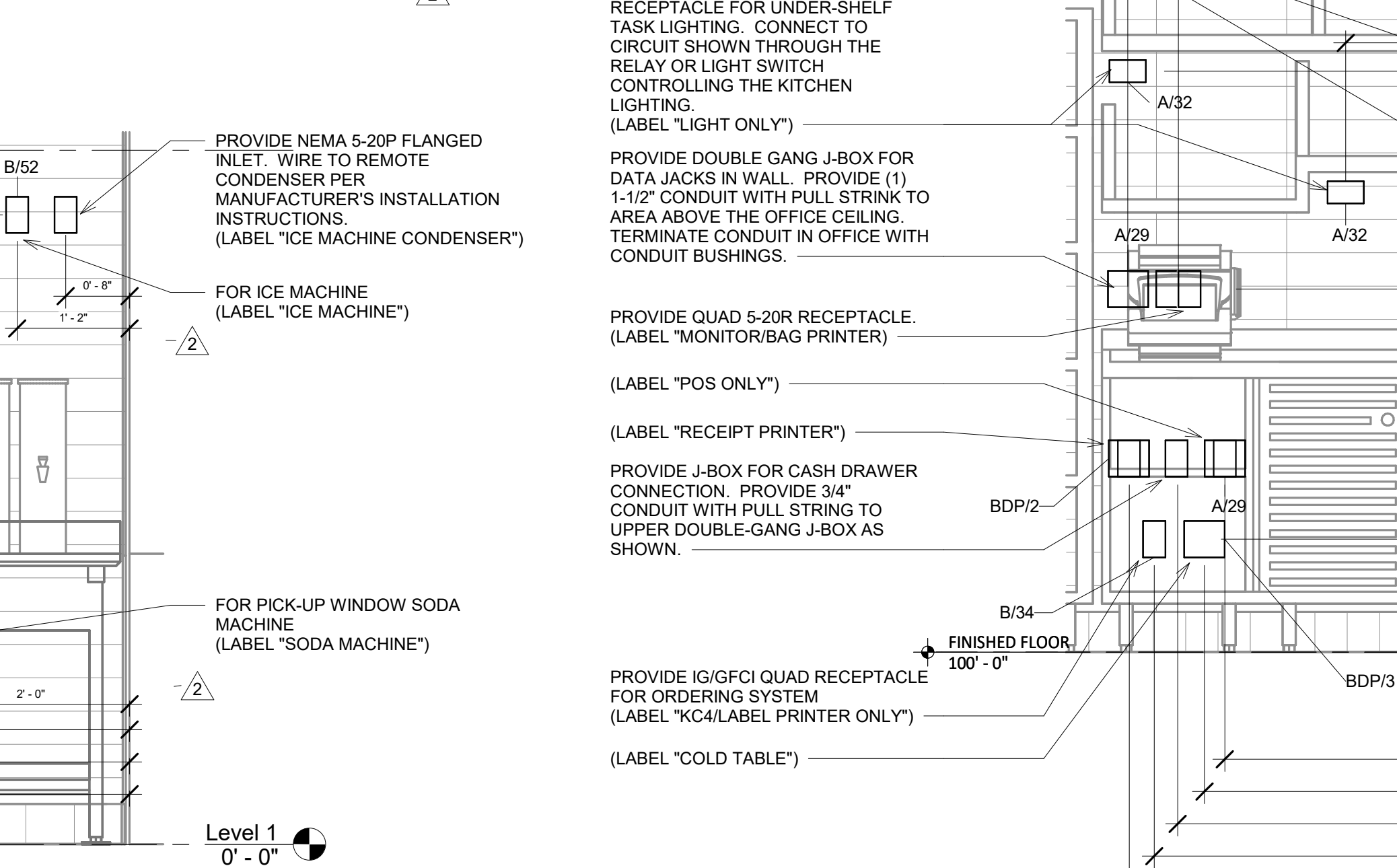
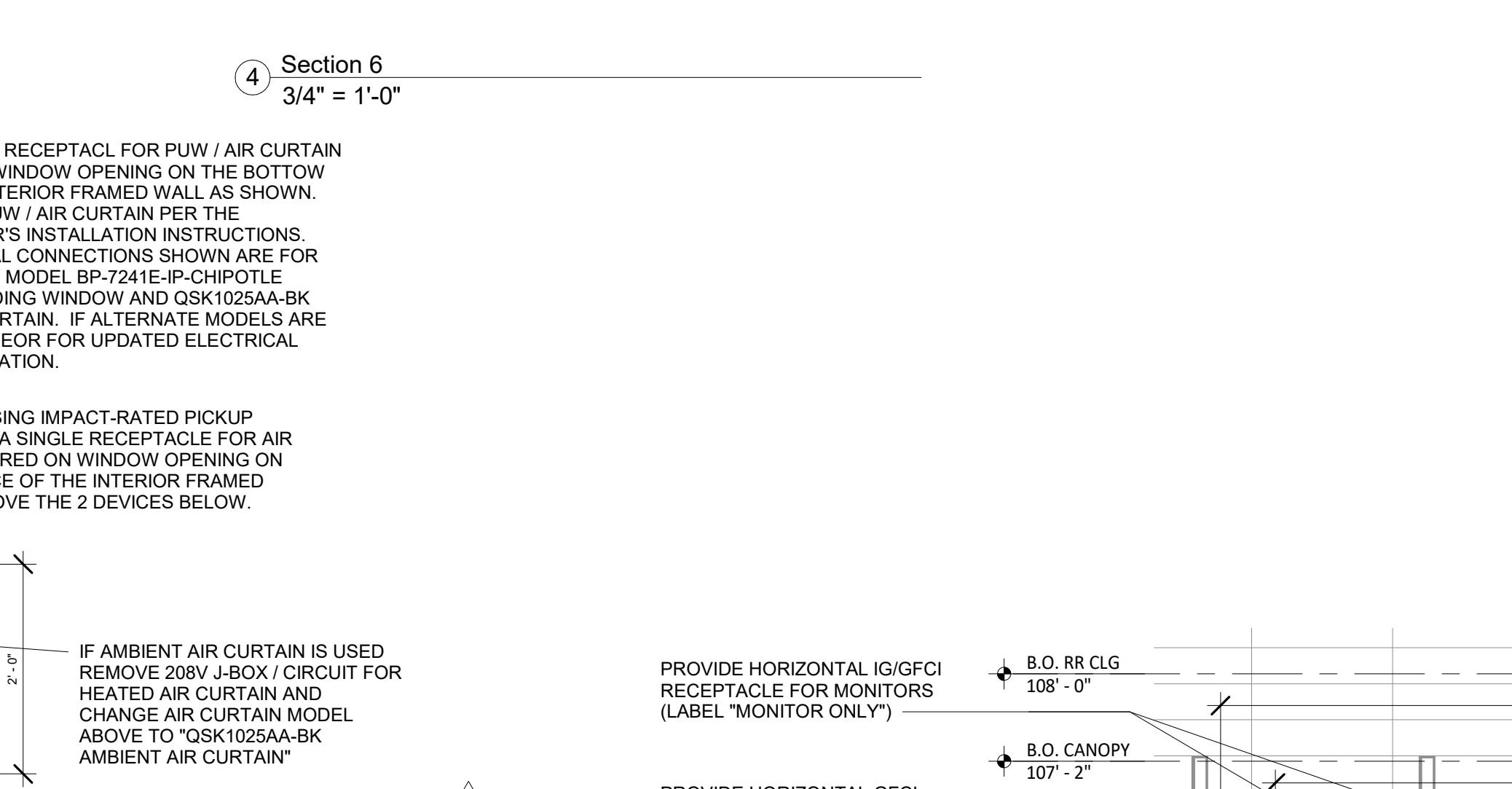
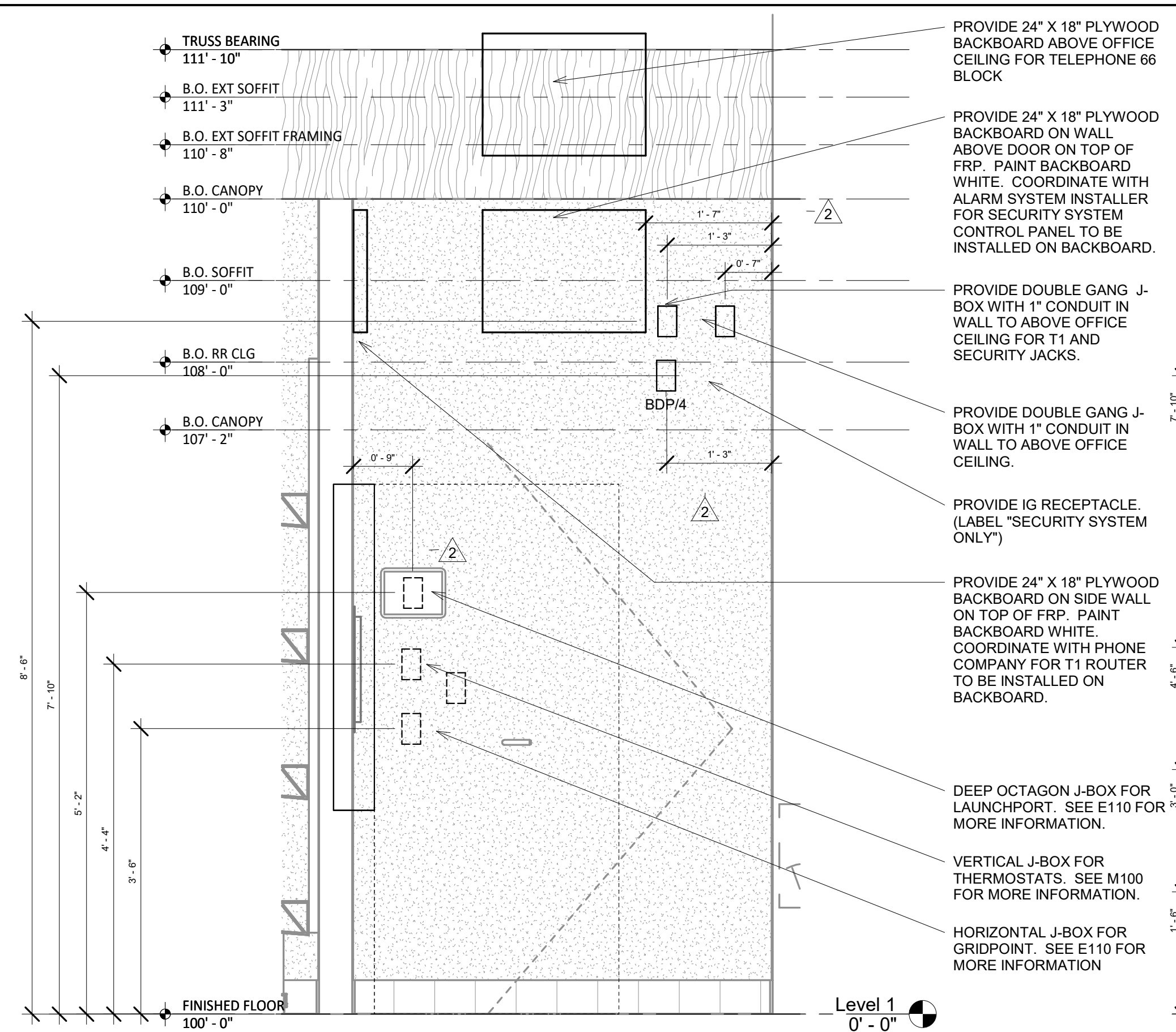
TITLE:  
**ELECTRICAL SITE LIGHTING PLAN**

SHEET NUMBER:  
**E115**

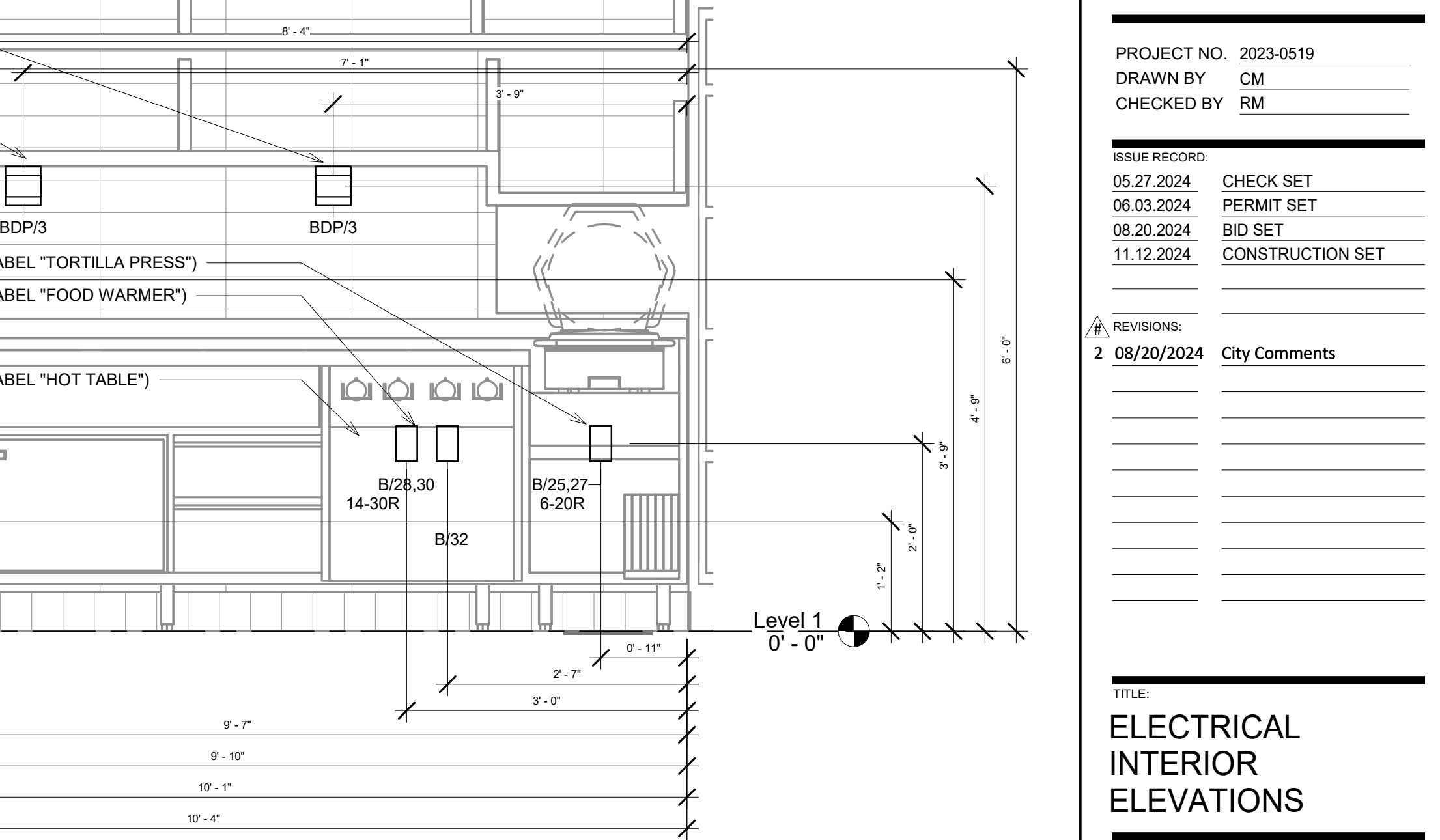
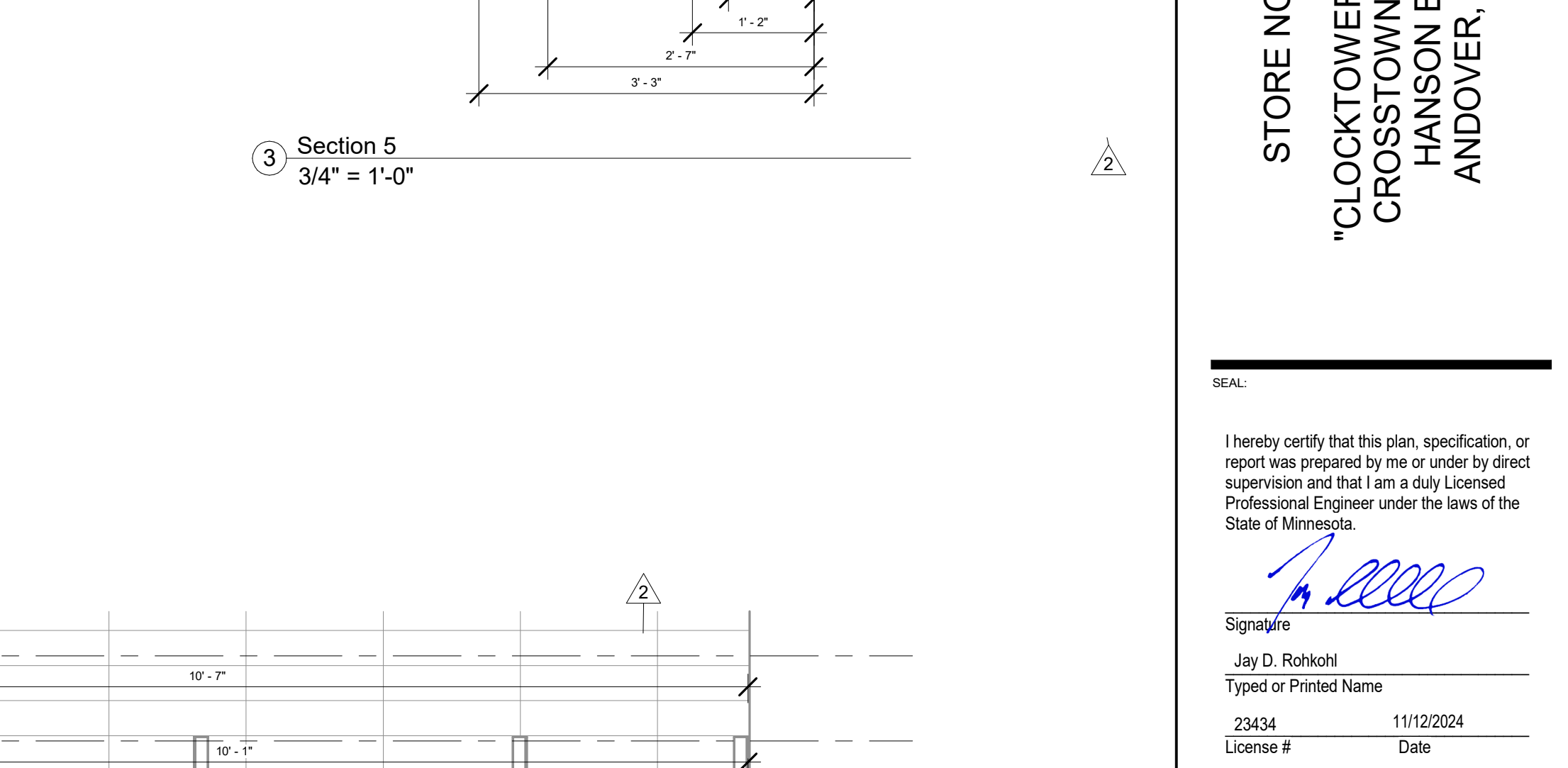
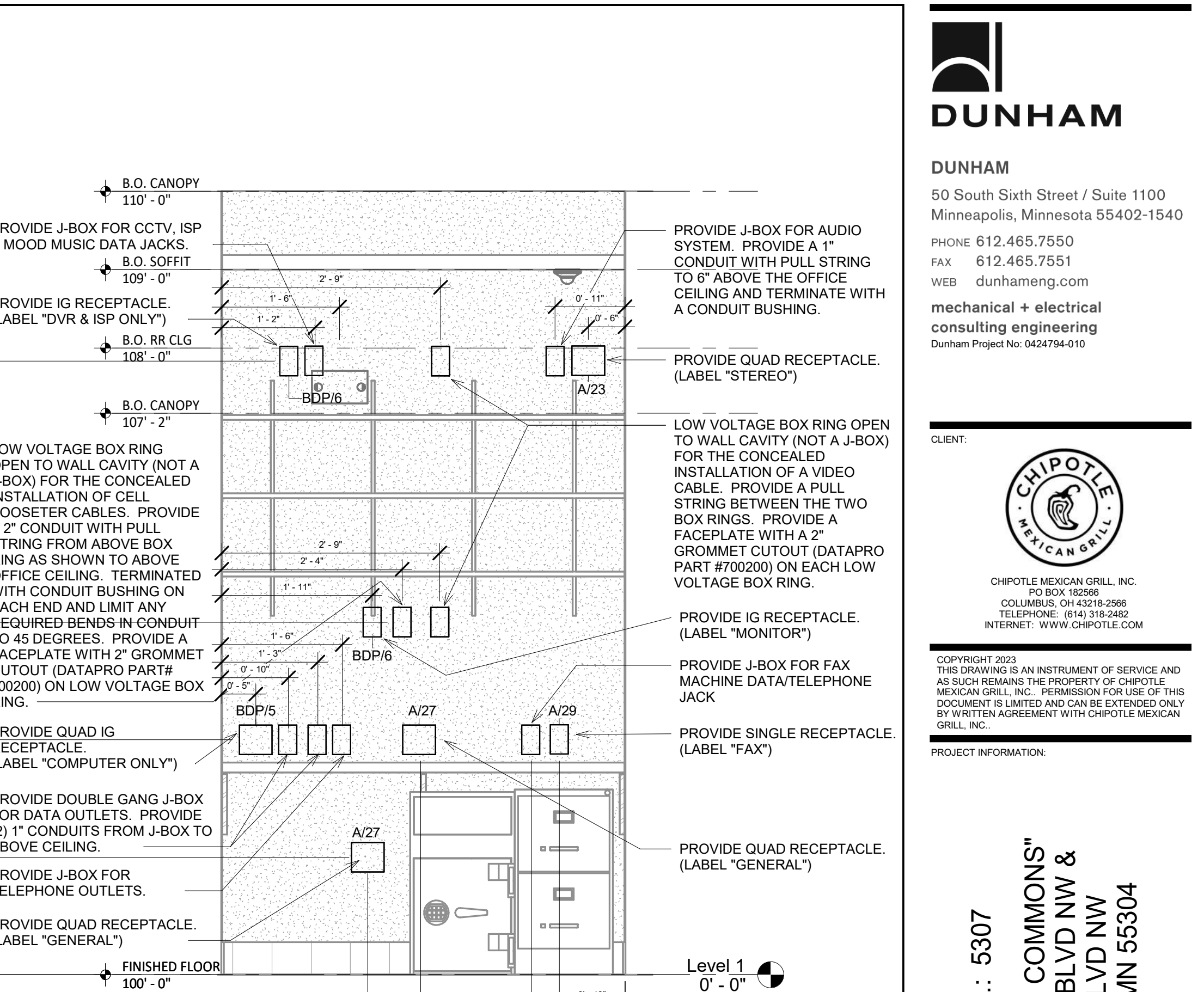




② PUW COLD SIDE ELECTRICAL ELEVATION  
3/4" = 1'-0"



① DML ELECTRICAL ELEVATION  
3/4" = 1'-0"



CLIENT:  
 CHIPOTLE MEXICAN GRILL, INC.  
 P.O. BOX 16266  
 COLUMBUS, OH 43216-2666  
 TELEPHONE: (614) 318-2452  
 INTERNET: WWW.CHIPOTLE.COM

PROJECT INFORMATION:  
 STORE NO.: 5307  
 "CLOCKTOWER COMMONS"  
 CROSSTOWN BLVD NW &  
 HANSON BLVD NW  
 ANDOVER, MN 55304

Signature  
 Jay D. Rohkohl  
 Typed or Printed Name  
 23434 11/12/2024  
 License # Date

PROJECT NO. 2023-0519  
 DRAWN BY CM  
 CHECKED BY RM

ISSUE RECORD:	CHECK SET
05.27.2024	CHECK SET
06.03.2024	PERMIT SET
08.20.2024	BID SET
11.12.2024	CONSTRUCTION SET

REVISIONS:  
 2 08/20/2024 City Comments

CLIENT:



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 ANDOVER, MN 55304

SEAL:

I hereby certify that this plan, specification, or  
 report was prepared by me or under my direct  
 supervision and that I am a duly Licensed  
 Professional Engineer under the laws of the  
 State of Minnesota.

Signature

Jay D. Rohkohl

Typed or Printed Name

23434

License #

11/12/2024

Date

PROJECT NO. 2023-0519

DRAWN BY CM

CHECKED BY RM

ISSUE RECORD:

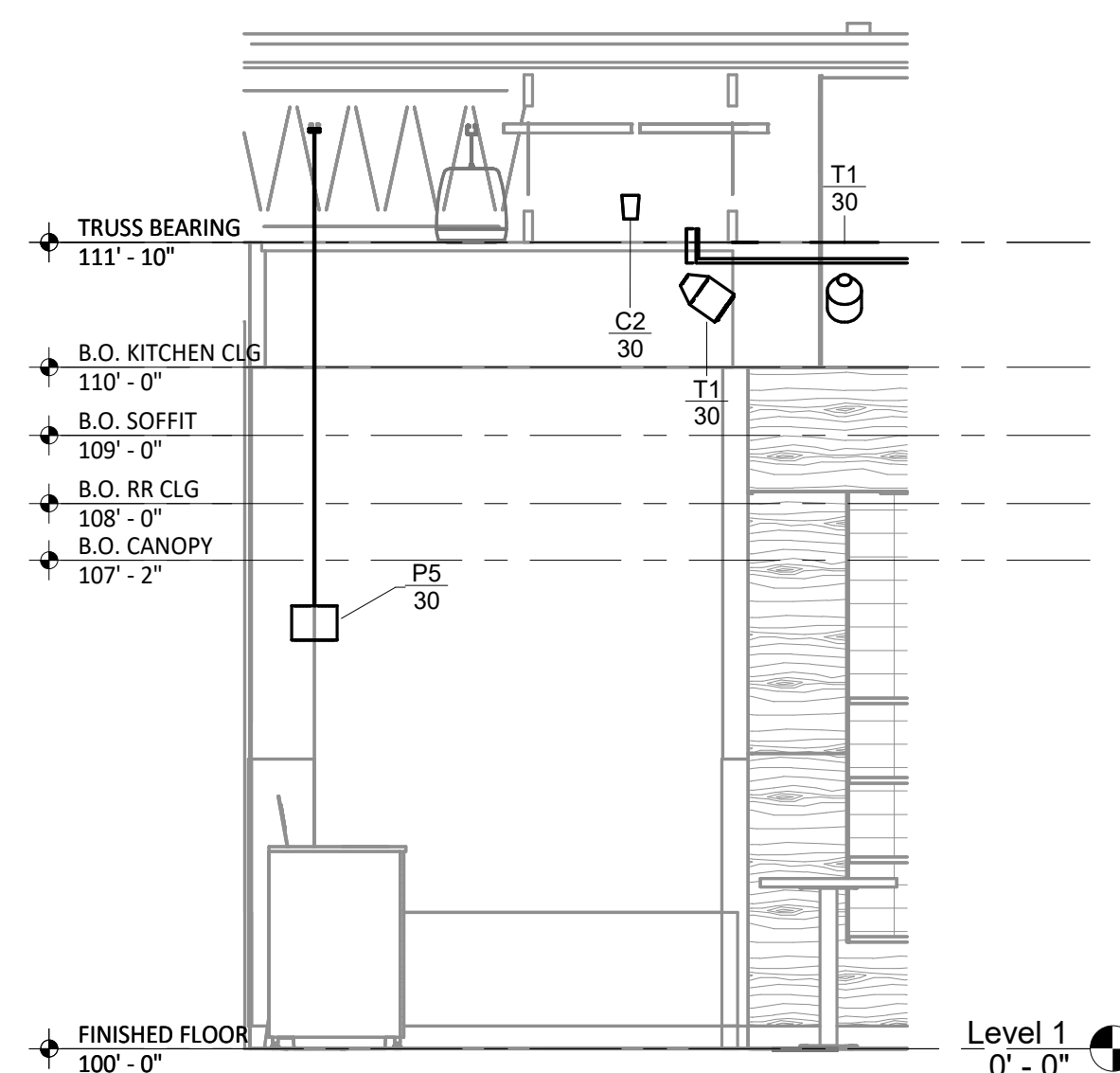
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06.03.2024 PERMIT SET

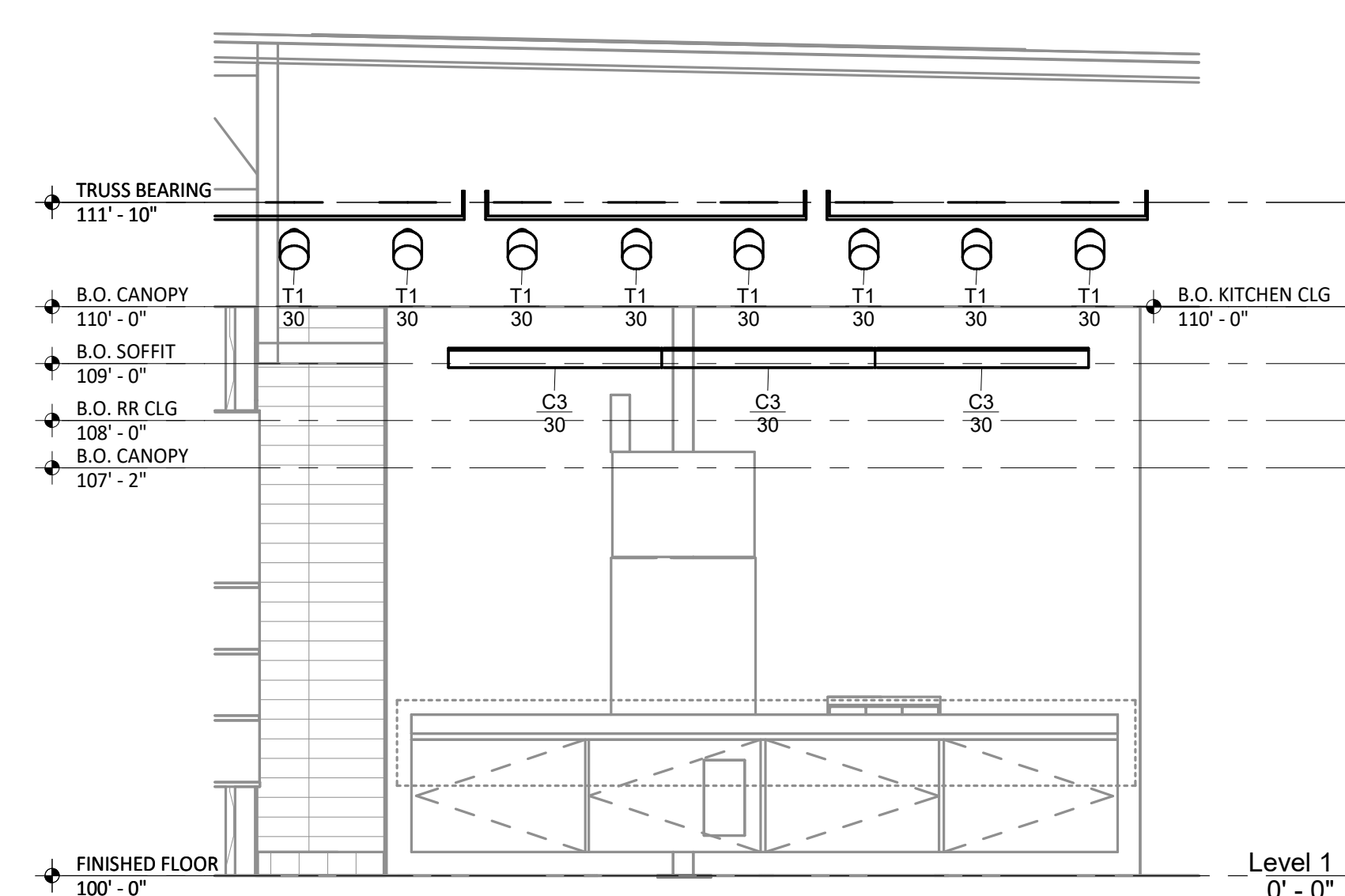
08.20.2024 BID SET

11.12.2024 CONSTRUCTION SET

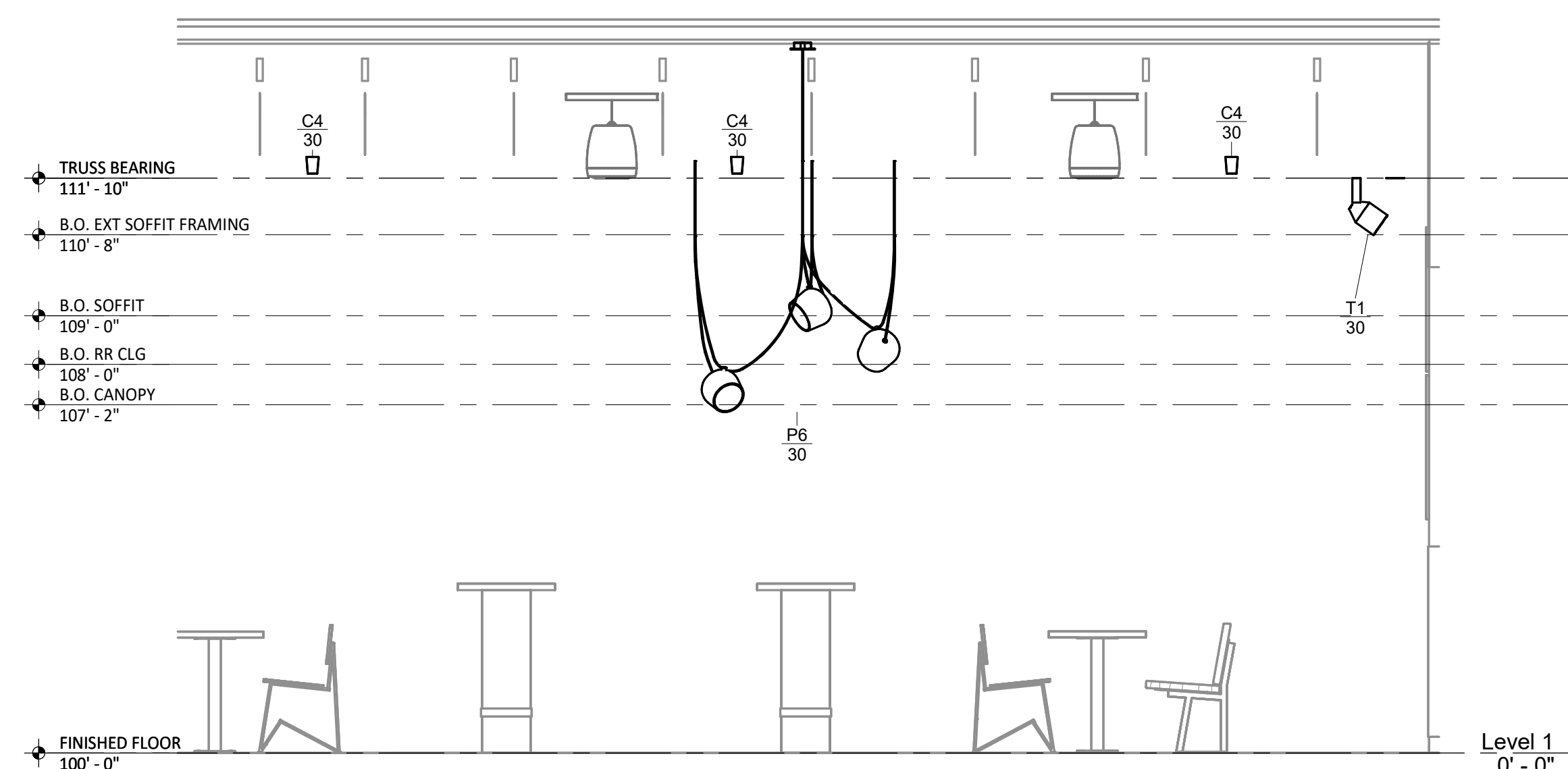
REVISIONS:



① DINING ROOM ELECTRICAL ELEVATION 1  
 3/8" = 1'-0"



② DINING ROOM ELECTRICAL ELEVATION 2  
 3/8" = 1'-0"



③ DINING ROOM ELECTRICAL ELEVATION 3  
 3/8" = 1'-0"

TITLE:

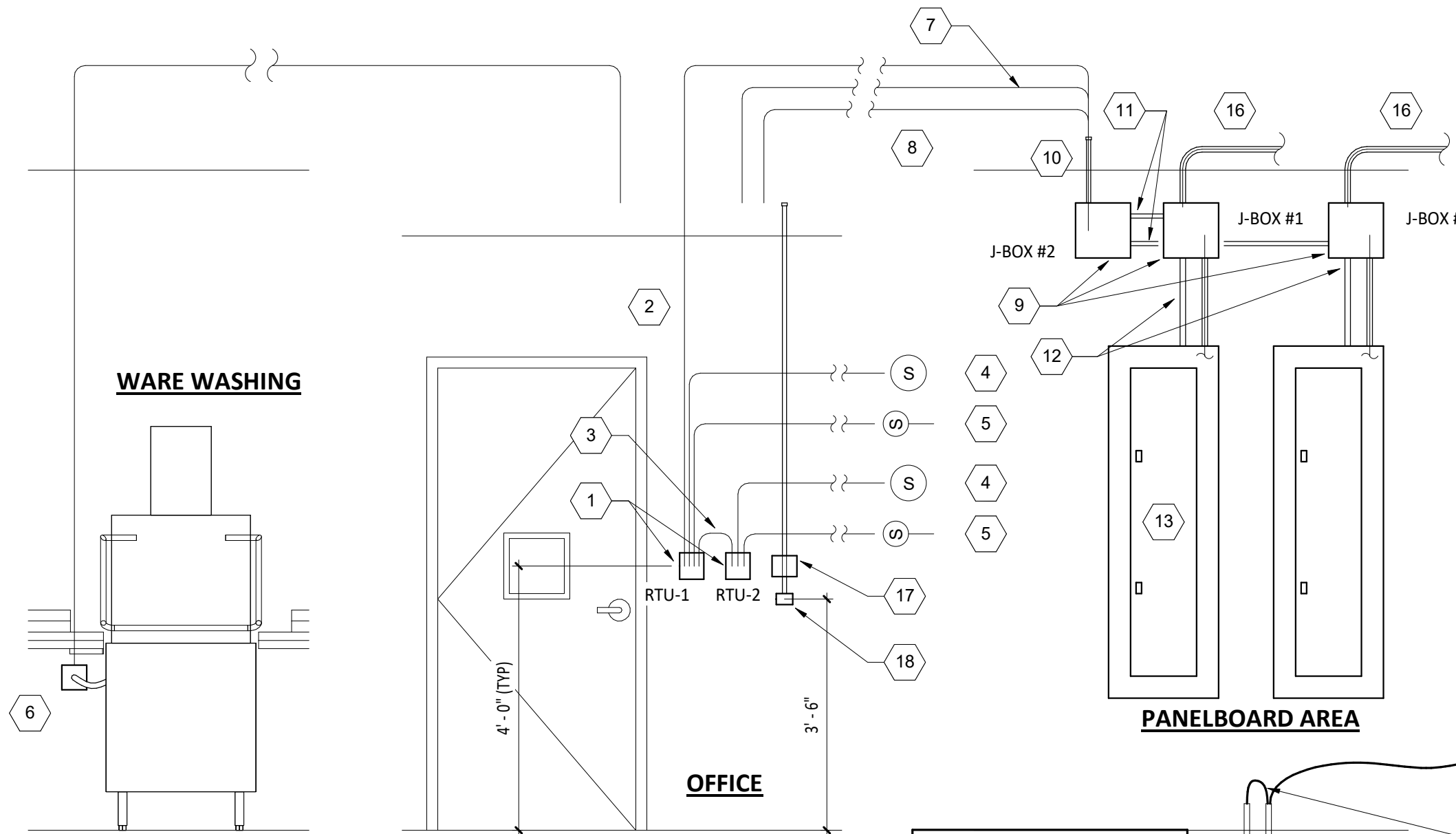
**ELECTRICAL  
 INTERIOR  
 ELEVATIONS**

SHEET NUMBER:

**E705**

- GRIDPOINT DIAGRAM NOTES**
1. INSTALL GRIDPOINT THERMOSTATS FURNISHED BY TEMS FOR RTU-1 AND RTU-2. PROVIDE THERMOSTAT WIRING FROM EACH THERMOSTAT TO THE CORRESPONDING ROOFTOP UNIT.
  2. PROVIDE CAT5 CABLE FROM RTU-1 THERMOSTAT TO J-BOX #2 ABOVE ELECTRICAL PANELS (LEAVE 16" OF CABLE COILED UP INSIDE OF J-BOX #2 AND 16" BEHIND WALL OF THERMOSTAT FOR FINAL CONNECTION TO THE EMS SYSTEM BY THE TEMS) AND LABEL BOTH ENDS OF CABLE "TSTATS".
  3. PROVIDE CAT5 CABLE(S) BETWEEN THERMOSTATS (LEAVE 16" OF CABLE BEHIND WALL OF EACH THERMOSTAT FOR FINAL CONNECTION BY THE TEMS) AND LABEL BOTH ENDS OF CABLE "TSTAT JUMPER". SEE GRIDPOINT INSTALLATION INSTRUCTIONS FOR TERMINATION INSTRUCTIONS.
  4. INSTALL GRIDPOINT ZONE SENSOR MODULES FURNISHED BY TEMS AS SHOWN ON HVAC FLOOR PLAN.
  5. INSTALL GRIDPOINT SUPPLY PROBE FURNISHED BY TEMS AS SHOWN ON HVAC FLOOR PLAN. PROVIDE 18G-24G SHIELDED TWISTED PAIR FROM SUPPLY PROBE TO CORRESPONDING THERMOSTAT T2 TERMINALS. SEE GRIDPOINT INSTALLATION INSTRUCTIONS FOR TERMINATION INSTRUCTIONS.
  6. PROVIDE 3/4" LIQUIDTIGHT CONDUIT FROM DISH SANITIZING MACHINE TO LOW-VOLTAGE JUNCTION BOX OR TRIM RING FLUSH MOUNTED TO WALL. PROVIDE CONTINUOUS (NOT SPLICED) CAT5 CABLE FROM DISH SANITIZING MACHINE TO OFFICE (ABOVE LAY-IN CEILING) WITH 54" SLACK WITHIN THE DISH MACHINE AND 10' SLACK ABOVE THE LAY-IN CEILING. PROVIDE RJ-12 PLUG ON CABLE AT DISH MACHINE END WITH BLUE WIRE CONNECTED TO PIN 3 AND BLUE/WHITE WIRE CONNECTED TO PIN 4. LABEL CABLE ON BOTH ENDS WITH "DISHWASHER".
  7. PROVIDE CAT5 CABLE FROM J-BOX #2 TO OFFICE ABOVE LAY-IN CEILING AND LABEL "RS-485 COMMS" ON BOTH ENDS OF THE CABLE. LEAVE 10' OF SLACK CABLE ABOVE OFFICE CEILING AND 16" OF SLACK CABLE INSIDE OF J-BOX #2.
  8. PROVIDE CABLE (18-24AWG SHIELDED TWISTED PAIR) FROM J-BOX #2 TO OFFICE ABOVE LAY-IN CEILING AND LABEL "EMS POWER" ON BOTH ENDS OF THE CABLE. LEAVE 10' OF SLACK CABLE ABOVE OFFICE CEILING AND 16" OF SLACK CABLE INSIDE OF J-BOX #2.
  9. PROVIDE SURFACE MOUNT 10" X 10" X 4" NEMA 1 ENCLOSURES ABOVE PANELBOARDS AND 6" BELOW CEILING.
  10. PROVIDE 3/4" CONDUIT WITH INSULATING BUSHING ON END CONCEALED IN WALL FROM J-BOX #2 TO 6" ABOVE LAY-IN CEILING.
  11. PROVIDE 3/4" CONDUIT(S) FROM J-BOX #1 TO J-BOX #2.
  12. PROVIDE EMPTY 1" CONDUIT(S) FROM PANELBOARD(S) TO J-BOX #1 FOR FUTURE CT WIRING BY TEMS.
  13. FIRST PANELBOARD FED FROM ELECTRICAL SERVICE. PROVIDE WITH (1) 20A/3-POLE CIRCUIT BREAKER (FOR GRIDPOINT 3 PHASE METER). IF PANELBOARD HAS 120V CIRCUITS AVAILABLE THEN ALSO PROVIDE (1) 20/1-POLE CIRCUIT BREAKER (FOR GRIDPOINT TRANSFORMER).
  14. NOT USED.
  15. NOT USED.
  16. IF THE PANELBOARD DOES NOT HAVE 120V CIRCUITS AVAILABLE PROVIDE A 1-POLE 120V 20A CIRCUIT BREAKER IN A PANEL WITH A 120V CIRCUIT AVAILABLE. PROVIDE (1) SET OF (2) #12, #12 G.] FROM THE GRIDPOINT CIRCUIT BREAKER IN 3/4" CONDUIT CONCEALED IN WALL TO J-BOX #1. TERMINATE IN J-BOX #1 WITH 16" SLACK FOR FINAL CONNECTION BY TEMS.
  17. GRIDPOINT CONTROLLER PROVIDED BY TEMS.
  18. PROVIDE HORIZONTAL SINGLE-GANG J-BOX BELOW FUTURE GRIDPOINT CONTROLLER LOCATION AS SHOWN. PROVIDE 3/4" CONDUIT WITH PULL STRING AND INSULATING BUSHING FROM J-BOX TO 6" ABOVE OFFICE LAY-IN CEILING.

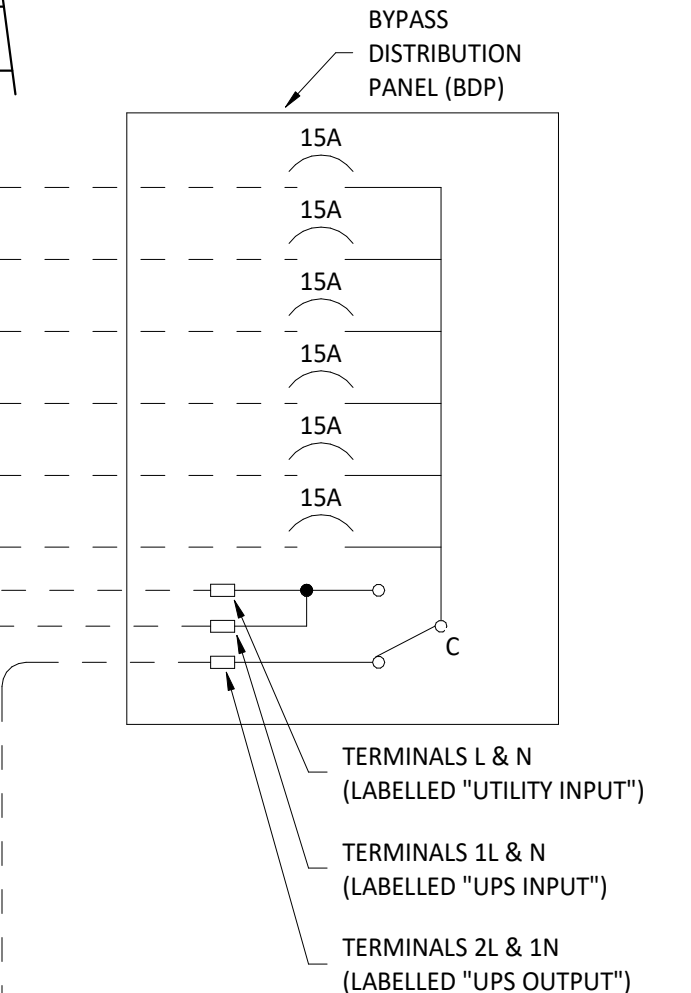
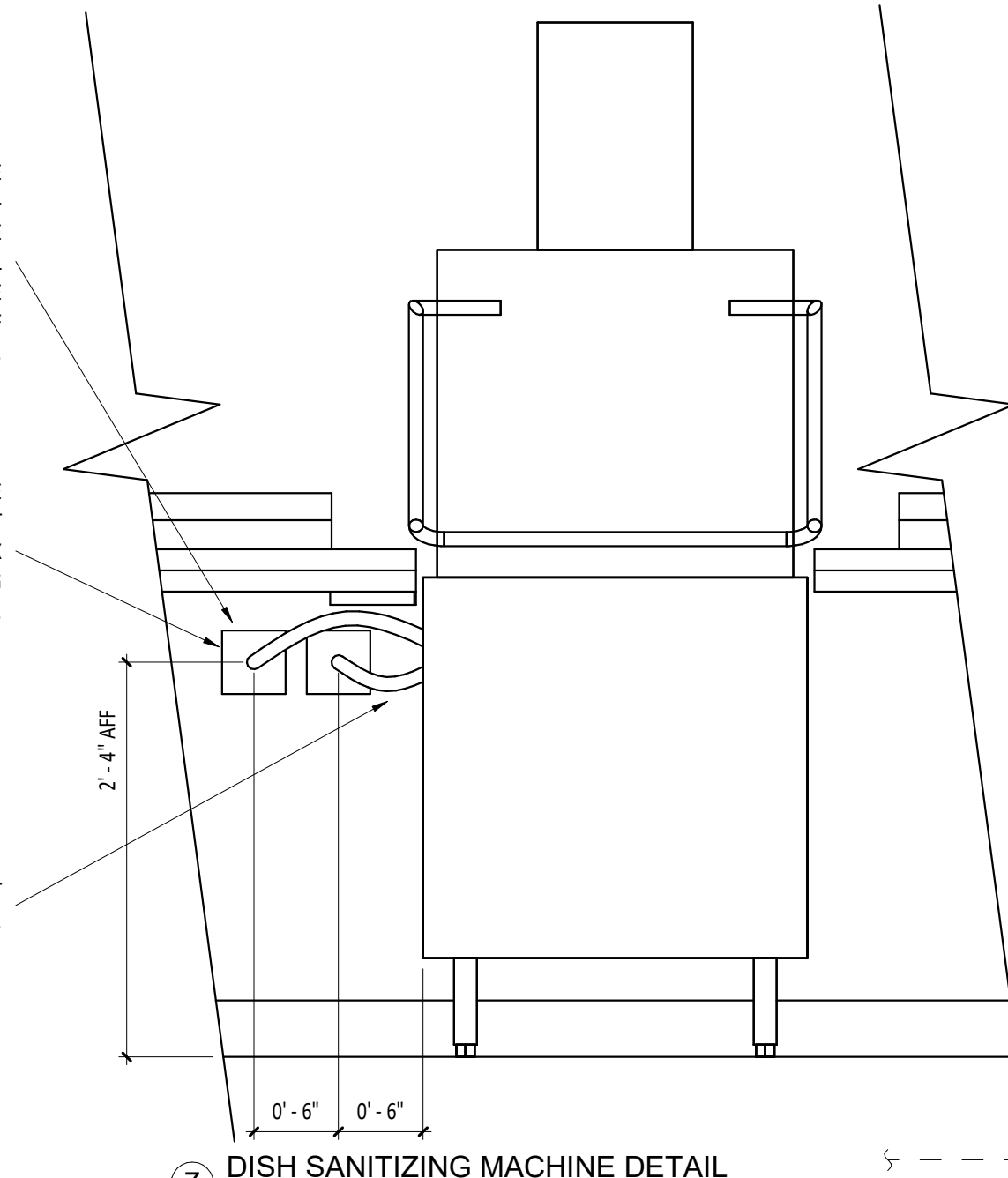
NOTE:  
ARRANGEMENT SHOWN IS  
DIAGRAMMATIC - SEE PLANS FOR ACTUAL  
DEVICE LOCATIONS.



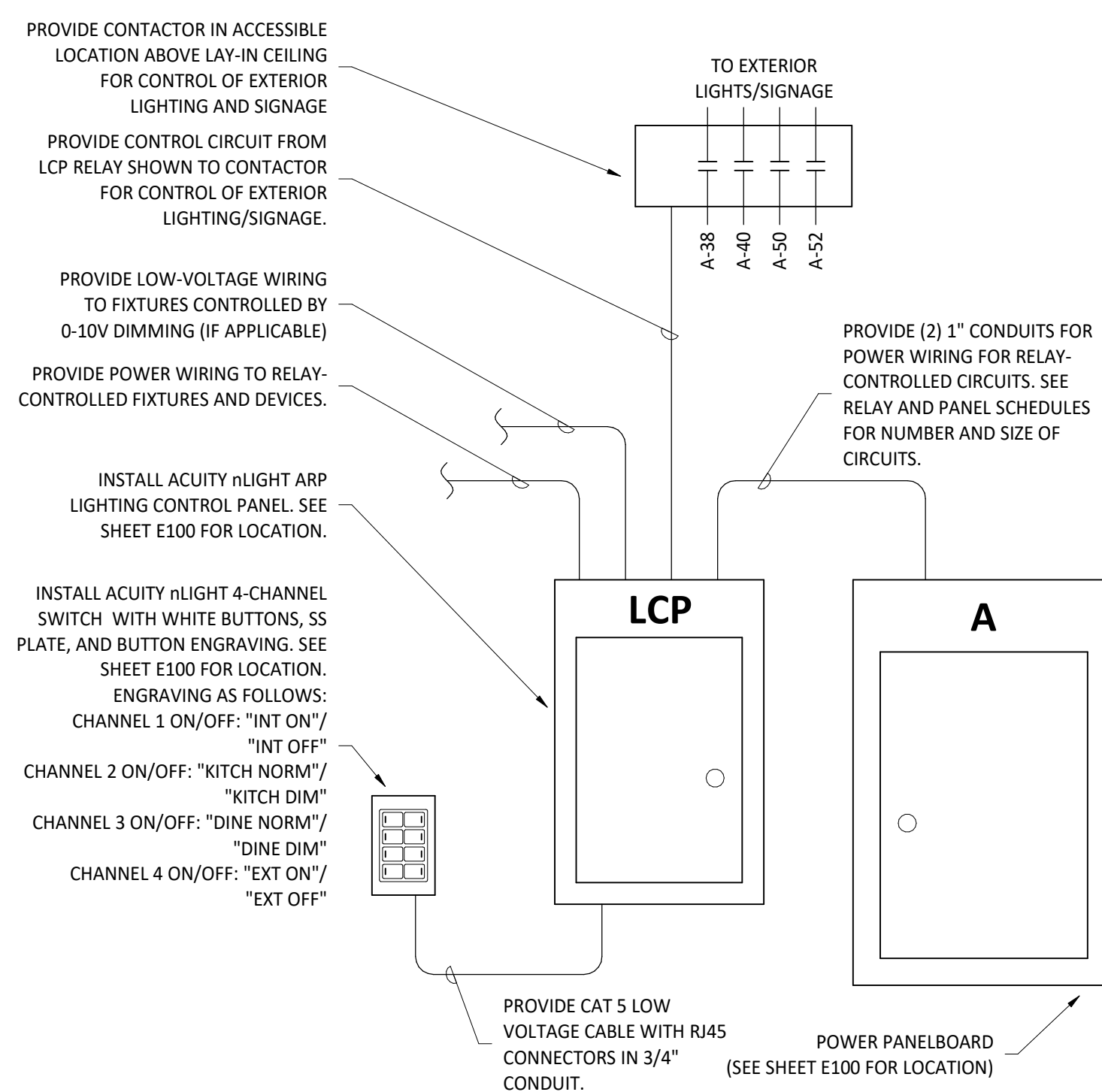
ELECTRICAL CONNECTIONS SHALL BE ON THE OPPOSITE SIDE OF THE DISH MACHINE FROM THE 3-COMP SINK. IF THIS IS ON THE LEFT SIDE OF THE DISH MACHINE THEN LIQUID TIGHT CONDUIT SHALL BE ROUTED BEHIND THE DISH MACHINE TO THE ELECTRICAL CONNECTIONS ON THE RIGHT SIDE OF THE DISH MACHINE.

POWER FOR DISH SANITIZING MACHINE SHALL BE FED FROM A DEDICATED 2-POLE LOCKABLE CIRCUIT BREAKER. PROVIDE FINAL CONNECTION FROM J-BOX IN WALL TO DISH SANITIZING MACHINE USING LIQUIDTIGHT FLEXIBLE METAL CONDUIT.

PROVIDE CONDUITS AND WIRING FOR GRIDPOINT CONNECTION TO DSM AS SHOWN IN DETAIL 8/E/710.



8 GRIDPOINT WIRING DIAGRAM  
1/2" = 1'-0"



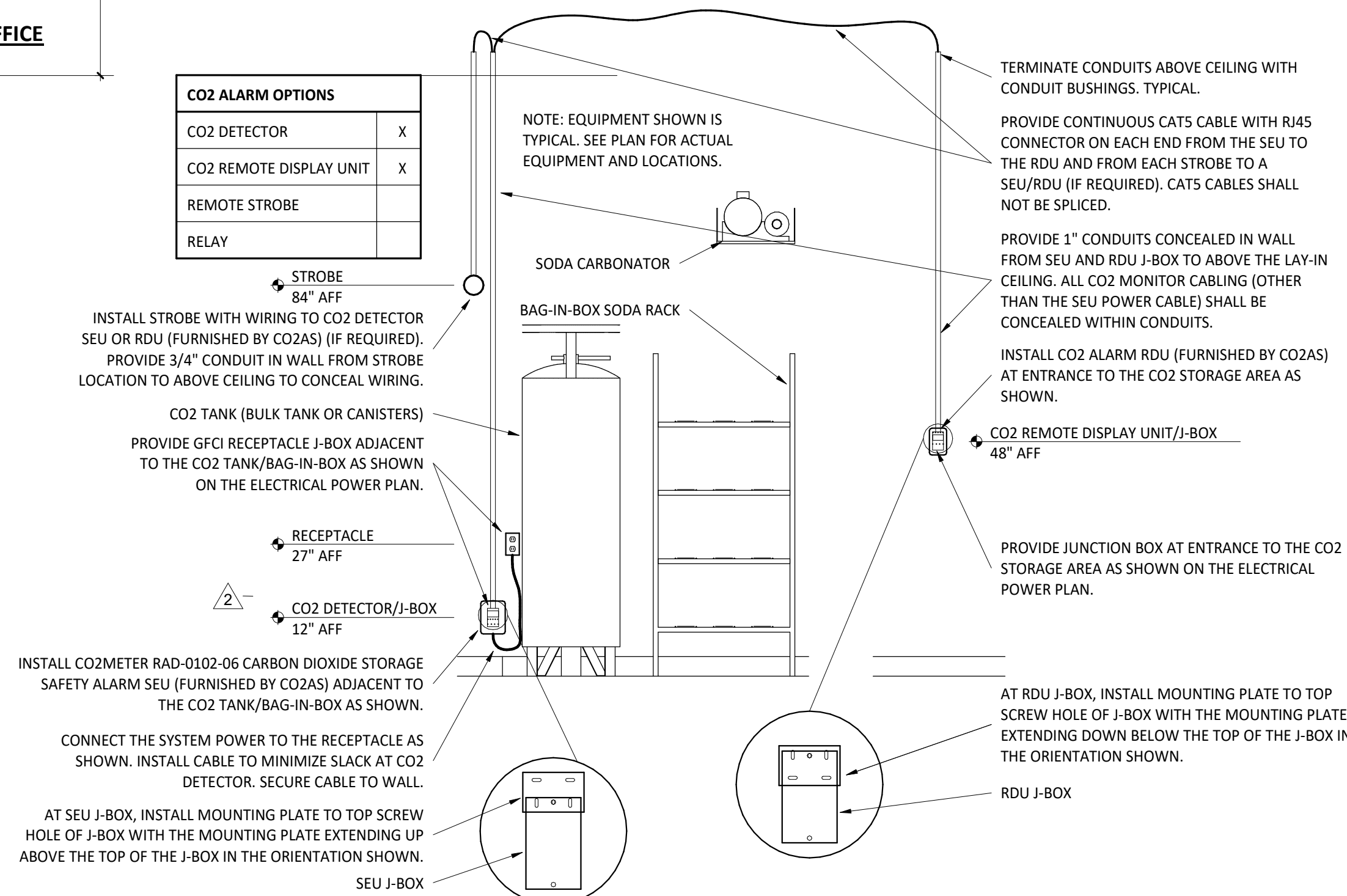
6 LIGHTING CONTROL DIAGRAM  
1/4" = 1'-0"

5 NOT USED  
1/8" = 1'-0"

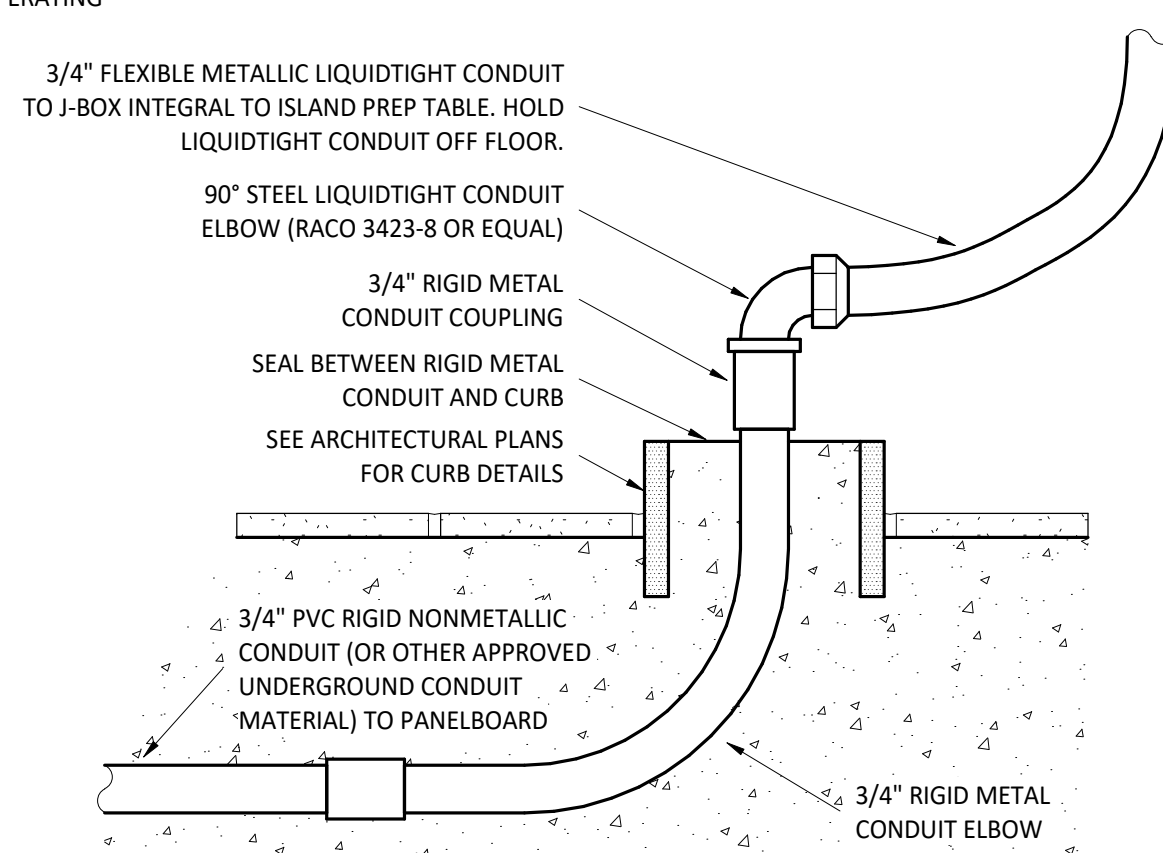
**SEQUENCE OF OPERATIONS**

- A. EMERGENCY LIGHT FIXTURES, EXIT SIGNS, LOCALLY-SWITCHED FIXTURES, AND FIXTURES DESIGNATED AS NIGHT LIGHTS ARE NOT CONTROLLED THROUGH THE RELAY PANEL.
- B. ALL TIMES NOTED SHALL BE LOCAL TIME AND SHALL AUTOMATICALLY ADJUST FOR DAYLIGHT SAVINGS TIME, IF APPLICABLE.
- C. ALL KITCHEN LIGHTING CIRCUITS AND RESTROOM EXHAUST FAN CIRCUIT (R1, R2, R7) SHALL BE ENERGIZED AT FULL POWER FROM 7:00AM UNTIL MIDNIGHT AND SHALL BE DE-ENERGIZED AT OTHER TIMES.
- D. ALL DINING ROOM LIGHTING CIRCUITS (R4, R5, R6) SHALL BE ENERGIZED FROM 10:00AM UNTIL MIDNIGHT AND SHALL BE DE-ENERGIZED AT OTHER TIMES.
- E. EXTERIOR LIGHTING/SIGNAGE RELAY (R8) SHALL BE ENERGIZED FROM ONE HOUR BEFORE SUNSET UNTIL ONE HOUR AFTER CLOSING AND SHALL BE DE-ENERGIZED AT OTHER TIMES.
- F. OVERRIDES: WHEN ONE OF THE OVERRIDE BUTTONS IS PRESSED THE SYSTEM WILL GO INTO OVERRIDE MODE FOR THE DURATION NOTED BELOW OR UNTIL THE NEXT SCHEDULED EVENT. FOLLOWING THIS PERIOD THE RELAYS WILL RETURN TO THE CURRENT SCHEDULED CONDITION. DURING THIS OVERRIDE TIME THE CORRESPONDING LAMP WILL ILLUMINATE ON THE OVERRIDE BUTTON.
- G. INTERIOR (CHANNEL 1): WHEN THE INTERIOR OVERRIDE ON OR OFF BUTTON IS PRESSED (CHANNEL 1) RELAYS R1, R2, R4, R5, R6, AND R7 WILL BE ENERGIZED OR DE-ENERGIZED FOR A DURATION OF ONE (1) HOUR.
- H. KITCHEN DIMMING (CHANNEL 2): WHEN THE KITCHEN NORMAL/DIM OVERRIDE ON OR OFF BUTTON IS PRESSED (CHANNEL 2) RELAY R2 WILL BE ENERGIZED OR DE-ENERGIZED FOR A DURATION OF ONE (1) HOUR.
- I. DINING DIMMING (CHANNEL 3): WHEN THE DINING NORMAL/DIM OVERRIDE ON OR OFF BUTTON IS PRESSED (CHANNEL 3) RELAYS R5 AND R6 WILL BE ENERGIZED OR DE-ENERGIZED FOR A DURATION OF ONE (1) HOUR.
- J. EXTERIOR (CHANNEL 4): WHEN THE EXTERIOR OVERRIDE ON OR OFF BUTTON IS PRESSED (CHANNEL 4) RELAY R8 WILL BE ENERGIZED OR DE-ENERGIZED FOR A DURATION OF ONE (1) HOUR.
- K. VERIFY THAT TIME, TIME ZONE, AND LONGITUDE/LATITUDE ARE SET CORRECTLY ON LCP. VERIFY WITH STORE OPERATIONS THAT THE ON/OFF TIMES ARE COMPATIBLE WITH THE STORE OPERATING HOURS PRIOR TO TURNOVER.

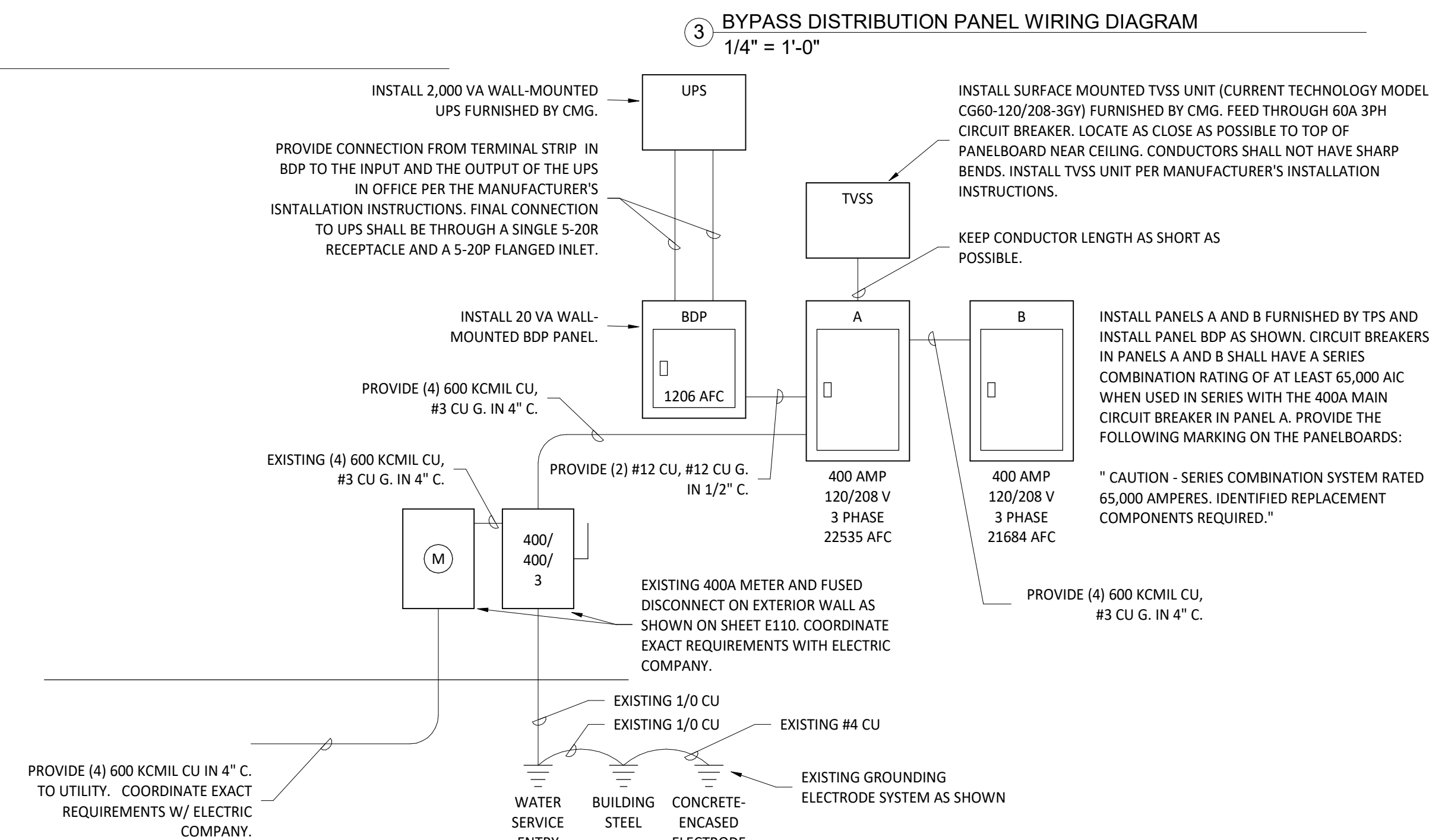
CO2 ALARM OPTIONS	
CO2 DETECTOR	X
CO2 REMOTE DISPLAY UNIT	X
REMOTE STROBE	
RELAY	



4 CO2 ALARM DETAIL  
1/2" = 1'-0"



2 PEDASTAL OUTLET DETAIL  
3" = 1'-0"



1 MAIN DISTRIBUTION DIAGRAM  
1/4" = 1'-0"



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Dunham Project No. 042794-010

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ANDOVER, MN 55304

SCALE:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

*J. Rohkohl*  
Signature  
Jay D. Rohkohl  
Typed or Printed Name

23434 11/12/2024  
License # Date

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REVISIONS:  
2 08/20/2024 City Comments

TITLE:  
**ELECTRICAL  
DETAILS**

SHEET NUMBER:

**E710**