

PROJECT GENERAL NOTES

A.

ARCHITECTURAL CONTENTS ARE BASED UPON DOCUMENTS FROM: "LANDLORD - ON 2024-08-27 - ADDENDUM 0A SET - CHIPOTLE84_08-07-24 & CIVIL- LANDSCAPE PLANS COMPLETE (2024-08-28)" WILKUS ARCHITECTS TAKES NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED. IN ADDITION TO THE GENERAL NOTES LISTED HEREIN, THE LATEST EDITION OF AIA DOCUMENT A201 GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION SHALL APPLY.

C.

WORK SHALL BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL CODES, ORDINANCES, LAWS AND REQUIREMENTS.

D.

WORK, WHEN COMPLETED, SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT AND LOCAL ACCESSIBILITY REQUIREMENTS.

E.

THE CONSTRUCTION DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. COORDINATE PORTIONS OF WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS.

F.

THE CONSTRUCTION DOCUMENTS, AS DEFINED BY THE DRAWING AND SPECIFICATION INDEX, ARE NECESSARY TO DEFINE THE TOTAL PROJECT. PARTIAL PLANS OR SPECIFICATIONS SHOULD NOT BE ISSUED BY ANY PARTIES FOR BIDDING OR CONSTRUCTION.

G.

IT IS THE INTENT OF THE CONSTRUCTION DOCUMENTS TO DESCRIBE A COMPLETE AND FINISHED PROJECT, OTHER THAN ITEMS NOTED "NIC" (NOT IN CONTRACT), ERRORS, OMISSIONS AND INCONSISTENCIES THAT MAY OCCUR BETWEEN THE CONSTRUCTION DOCUMENTS AND/OR EXISTING CONDITIONS SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ARCHITECT IN WRITING AND WRITTEN INSTRUCTIONS SHALL BE OBTAINED PRIOR TO PROCEEDING WITH THE WORK. THE GENERAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE RESULTS OF ANY ERRORS, DISCREPANCIES AND/OR OMISSIONS WHICH THE GENERAL CONTRACTOR FAILED TO NOTIFY THE ARCHITECT PRIOR TO CONSTRUCTION AND/OR FABRICATION OF THE WORK.

H.

GENERAL CONTRACTOR SHALL INCLUDE AND PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, TRANSPORTATION AND PAY EXPENSES INCURRED IN THE PROPER COMPLETION OF WORK UNLESS SPECIFICALLY NOTED TO BE THE WORK OF OTHERS. GENERAL CONTRACTOR SHALL PERFORM WORK NECESSARY FOR PRODUCTION OF A COMPLETE, HABITABLE PROJECT AS DEFINED BY THE SCOPE OF WORK.

I.

DO NOT SCALE DRAWINGS. BIDDER (CONTRACTOR) SHALL VERIFY CONDITIONS AND DIMENSIONS AT JOB SITE PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES ARE FOUND, WHETHER BUILT OR NOT, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION BEFORE COMMENCING WORK.

J.

THE STATED DIMENSIONS SHALL TAKE PRECEDENCE OVER GRAPHIC. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES.

K.

NOTE THAT ERRORS IN THE TRANSMISSION OR REPRODUCTION OF THESE CONSTRUCTION DOCUMENTS COULD RESULT IN ALTERATIONS TO LINE TYPES, THICKNESSES, TONES, COLORS, HATCH PATTERNS AND SCALE. WILKUS ARCHITECTS IS NOT RESPONSIBLE FOR ANY CLAIMS, DAMAGES OR EXPENSES ARISING FROM THE UNAUTHORIZED USE OF THE INFORMATION CONTAINED WITHIN.

L.

IF THE CONSTRUCTION DOCUMENTS APPEAR TO BE UNCLEAR, AMBIGUOUS OR CONTRADICTORY, AND IN THE EVENT THAT THE CONTRACTOR, OR SUBCONTRACTOR, DETERMINES CLARIFICATION OR INTERPRETATION BY THE ARCHITECT IS REQUIRED, THE GENERAL CONTRACTOR SHALL SUBMIT A REQUEST FOR INFORMATION IN WRITING TO THE ARCHITECT PRIOR TO START OF THE WORK.

a.

REQUESTS FOR INFORMATION MAY ONLY BE MADE BY THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL CLEARLY AND CONCISELY SET FORTH THE ISSUE FOR WHICH CLARIFICATION IS SOUGHT AND WHY A RESPONSE IS NEEDED FROM THE ARCHITECT AND/OR CONSULTANTS. IN THE REQUEST FOR INFORMATION, THE CONTRACTOR SHALL SET FORTH AN UNDERSTANDING OF THE REQUIREMENT, ALONG WITH A REASON WHY SUCH AN UNDERSTANDING WAS REACHED.

b.

THE ARCHITECT WILL REVIEW THE REQUEST FOR INFORMATION TO DETERMINE IF IT IS WITHIN THE MEANING OF THIS TERM. IF THE ARCHITECT DETERMINES THAT IT IS NOT A REQUEST FOR INFORMATION, IT WILL BE RETURNED TO THE CONTRACTOR UNREVIEWED AS TO CONTENT OR FOR RE-SUBMITTAL IN THE PROPER FORM AND MANNER.

c.

RESPONSES TO REQUESTS FOR INFORMATION SHALL BE ISSUED UPON RECEIPT, BUT NO LATER THAN FIVE WORKING DAYS OF RECEIPT. UNLESS IT IS DETERMINED THAT A LONGER PERIOD OF TIME IS NEEDED IN ORDER TO PROVIDE ADEQUATE RESPONSE, IF A LONGER PERIOD OF TIME IS NECESSARY, THE ARCHITECT WILL, WITHIN FIVE WORKING DAYS OF THE RECEIPT OF THE REQUEST FOR INFORMATION, NOTIFY THE GENERAL CONTRACTOR OF THE ANTICIPATED RESPONSE TIME. IF THE REQUEST FOR INFORMATION IS SUBMITTED WITH FIVE WORKING DAYS OR LESS FLOAT ON THE PROJECT SCHEDULE, THE CONTRACTOR SHALL NOT BE ENTITLED TO ANY TIME EXTENSION DUE TO THE TIME REQUIRED TO REVIEW AND RESPOND, PROVIDED A RESPONSE IS GIVEN WITHIN THE FIVE WORKING DAYS AS SET FORTH ABOVE.

d.

RESPONSES FROM THE ARCHITECT ARE NOT INTENDED TO CHANGE ANY OF THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS. IN THE EVENT THAT THE CONTRACTOR BELIEVES A RESPONSE WILL CAUSE A CHANGE TO THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY GIVE WRITTEN NOTICE TO THE ARCHITECT AND CLIENT STATING THAT THEY CONSIDER THE RESPONSE TO BE A CHANGE ORDER. FAILURE TO GIVE SUCH WRITTEN NOTICE IMMEDIATELY SHALL WAIVE THE CONTRACTORS RIGHT TO SEEK ADDITIONAL TIME AND/OR COST.

M.

ANY DIMENSIONS, DETAILS, NOTES AND/OR SYMBOLS THAT APPLY TO ONE UNIT, APPLY TO ALL UNITS IN LIKE SITUATIONS, UNLESS NOTED OTHERWISE.

N.

FOR THE PURPOSE OF THESE DOCUMENTS, "INSTALL" SHALL MEAN TO PROVIDE FASTENERS, MISCELLANEOUS HARDWARE, BLOCKING, ELECTRICAL CONNECTIONS, PLUMBING CONNECTIONS AND ANY OTHER ITEMS REQUIRED FOR A COMPLETE AND OPERATIONAL INSTALLATION, UNLESS NOTED OTHERWISE.

O.

FOR THE PURPOSE OF THESE DOCUMENTS, "BY GC" WILL REFER TO ITEMS PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR, THEIR SUBCONTRACTORS AND/OR AGENTS. THE TERM "BY CLIENT" WILL REFER TO ITEMS PROVIDED BY THE CLIENT AND INSTALLED BY THE GENERAL CONTRACTOR.

P.

PRODUCTS THAT HAVE BEEN USED IN PREPARING THESE DOCUMENTS, ARE TO ESTABLISH MINIMUM QUALITIES. PROPOSED SUBSTITUTIONS MUST MEET THESE QUALITIES, OR BETTER, TO BE CONSIDERED ACCEPTABLE. THE BURDEN OF PROOF OF EQUALITY RESTS WITH THE GENERAL CONTRACTOR. ADEQUATE SUPPORTING DOCUMENTATION MUST ACCOMPANY SUBSTITUTION REQUEST SUBMITTALS, WHICH MUST BE SUBMITTED TO THE ARCHITECT FOR APPROVAL PRIOR TO BIDDING.

Q.

GENERAL CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMISSION OF BID AND BEGINNING OF ANY WORK TO EXAMINE AND COMPARE THE DRAWINGS AND SPECIFICATIONS TO THE EXISTING CONDITIONS AND BE KNOWLEDGEABLE OF WORK TO BE PERFORMED. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.

R.

NOTIFY ALL PARTIES IF HAZARDOUS MATERIALS ARE SUSPECTED OR FOUND TO BE PRESENT.

S.

NOTIFY ARCHITECT IMMEDIATELY OF EXISTING CONDITIONS THAT ARE EXPOSED DURING CONSTRUCTION THAT MAY IMPACT ANY PROPOSED NEW WORK.

T.

DO NOT ATTEMPT REMOVAL OF ANY STRUCTURE OR ELEMENT SUSPECTED OF BEING STRUCTURAL IN NATURE. STRUCTURAL MODIFICATIONS TO THE BUILDING OR STRUCTURAL SYSTEMS (OF ANY TYPE) REQUIRE APPROVAL FROM THE BUILDING OWNER AND AN APPROVED STRUCTURAL ENGINEER.

U.

GENERAL CONTRACTOR TO PROVIDE TEMPORARY BARRICADES, WINDOW BLACKOUTS AND DUST CONTROL AS REQUIRED BY CLIENT, LANDLORD OR AUTHORITY HAVING JURISDICTION FOR THE DURATION OF CONSTRUCTION. VEHICULAR ACCESS MUST BE PROVIDED AND MAINTAINED SERVICEABLE THROUGHOUT CONSTRUCTION.

V.

THROUGHOUT THE PROJECT, THE GENERAL CONTRACTOR SHALL CLOSELY SUPERVISE THE WORK OF SUBCONTRACTORS AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS AND TECHNIQUES, INCLUDING SAFETY PROCEDURES AND FOR COORDINATING/SEQUENCING TRADES.

X.

GENERAL CONTRACTOR SHALL TAKE OUT ANY NECESSARY TRADE-LEVEL PERMITS, INSURANCE, LICENSES, BONDS AND CERTIFICATES AND PAY ALL FEES CONNECTED TO THE WORK DESCRIBED HEREIN.

Y.

ALL CONTRACTORS FOR THE WORK ARE REQUIRED TO HAVE INSURANCE OF ALL TYPES AND LIMITS, AS REQUIRED FOR THIS PROJECT.

Z.

REFER TO ENGINEERED CONSTRUCTION DOCUMENTS BY OTHERS FOR ADDITIONAL PERTINENT INFORMATION.

AA.

REFER TO INDIVIDUAL DRAWINGS WITHIN THIS SET OF CONSTRUCTION DOCUMENTS FOR ADDITIONAL GENERAL NOTES.

CC.

GENERAL CONTRACTOR IS RESPONSIBLE TO CONTACT LANDLORD AND/OR CHIPOTLE CONSTRUCTION MANAGER TO VERIFY, COORDINATE AND COMPLY, DURING THE BIDDING PHASE, WITH REQUIREMENTS INCLUDING, BUT NOT LIMITED TO BARRICADES, STAGING, CONSTRUCTION PROCEDURES, USE OF MANDATED SUBCONTRACTORS, DEBRIS REMOVAL, RESTRICTED HOURS OF CONSTRUCTION, SECURITY, UTILITIES, ETC.

DD.

GENERAL CONTRACTOR SHALL FURNISH AND INSTALL ITEMS WHICH ARE OBVIOUS AND NECESSARY TO ENSURE QUALITY WORKMANSHIP AND INSTALLATION, EVEN IF NOT SPECIFICALLY MENTIONED IN THE DRAWINGS, INCLUDING BUT NOT LIMITED TO BLOCKING AND BRACING.

EE.

ANY DEVIATION FROM THESE CONSTRUCTION DOCUMENTS ON THE PART OF THE GENERAL CONTRACTOR, ANY SUBCONTRACTOR, VENDOR AND/OR SUPPLIER, OR USE OF THESE CONSTRUCTION DOCUMENTS FOR USE AT ANY LOCATION OTHER THAN THAT FOR WHICH THEY WERE INTENDED, SHALL RELEASE WILKUS ARCHITECTS, AND ITS SUBSIDIARIES, AND THEIR OFFICERS, DIRECTORS, SHAREHOLDERS, AGENTS, EMPLOYEES, REPRESENTATIVES, SUCCESSORS AND ASSIGNEES, FROM ANY AND ALL LIABILITY INCURRED IN LITIGATION OR OTHERWISE WITH RESPECT TO THE CONSTRUCTION OF THIS PROJECT.

FF.

GENERAL CONTRACTOR IS RESPONSIBLE FOR THEIR WORK AND THAT OF THEIR SUBCONTRACTORS FOR THE LOSSES AND DAMAGES TO EQUIPMENT, EXISTING CONSTRUCTION, TOOLS AND MATERIALS USED IN CONJUNCTION WITH THE WORK, FOR THE ACTS OF THEIR EMPLOYEES AND SUBCONTRACT WORKERS.

GG.

GENERAL CONTRACTOR SHALL ADHERE AND COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS REGARDING JOB SAFETY.

HH.

GENERAL CONTRACTOR IS RESPONSIBLE TO CARRY WORKER'S COMPENSATION AS REQUIRED BY LAW AND/OR GOVERNING AUTHORITY.

II.

GENERAL CONTRACTOR IS RESPONSIBLE FOR THE SAFETY AND CARE OF ADJACENT PROPERTIES DURING CONSTRUCTION.

JJ.

GENERAL CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A COMPLETE AS-BUILT SET OF CONSTRUCTION DRAWINGS AT THE JOB SITE AND TURNING THE AS-BUILT DRAWINGS OVER TO THE CLIENT UPON COMPLETION OF THE PROJECT.

KK.

THE APPROVED PLANS (FOR CONSTRUCTION SET) SHALL BE KEPT ON SITE AT ALL TIMES, INCLUDING ALL ADDENDA, SUPPLEMENTAL INSTRUCTIONS, CHANGE ORDERS, COPIES OF APPROVED SUBMITTALS, ETC.

LL.

IF REQUIRED, THE GENERAL CONTRACTOR SHALL PROVIDE SCHEDULING AND/OR COORDINATION WITH THE APPROPRIATE REPRESENTATIVE FOR THE FOLLOWING INSTALLATIONS OR PROCEDURES:

a.

INSTALLATION OF CONDUIT AND PIPING IN OR BELOW THE FLOOR SLAB. CONNECTIONS TO DOMESTIC WATER, SANITARY AND GREASE WASTE AND SANITARY VENT.

b.

INSTALLATION OF PRIMARY DUCTWORK, VAV BOXES AND CONTROLS.

c.

PROGRAMMING OF THE VAV BOX CONTROL AND SENSORS.

d.

ANY WORK REQUIRED AT THE BUILDING SWITCHGEAR.

e.

HARDWARE AND SOFTWARE MODIFICATIONS TO COMPLETE THE INTERFACE WITH BASE BUILDING LIFE SAFETY SYSTEM.

f.

UPON SUBSTANTIAL COMPLETION OF WORK IN THE PREMISES, CLIENT AND THE CONTRACTOR MUST SCHEDULE A FINAL INSPECTION AND PREPARE A PUNCHLIST WHICH ENUMERATES ANY AREAS OF CONSTRUCTION, FIXTURING, LIGHTING OR LAMPING, MERCHANDISING, ETC., THAT ARE NOT IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.

g.

ANY STOREFRONT BARRICADE MAY NOT BE REMOVED UNTIL THE INSPECTION AND REQUIRED CORRECTIONS HAVE BEEN COMPLETED.

h.

LANDLORD'S CONDITIONS IN THE FACILITY TENANT DESIGN GUIDE HANDBOOK SHALL BE A PART OF ANY CONTRACT AND/OR AGREEMENT ENTERED INTO BY THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE LANDLORD CONTACT PRIOR TO ANY CONSTRUCTION.

i.

PROVIDE LANDLORD REQUIRED PROOF OF BUILDERS RISK INSURANCE AND DAMAGE DEPOSIT PRIOR TO BEGINNING OF ANY SELECTIVE DEMOLITION OR CONSTRUCTION PROCEDURES.

MM.

GENERAL CONTRACTOR TO VERIFY REQUIREMENTS TO MAINTAIN ROOF WARRANTY. ANY ROOF PATCHING SHALL RETURN THE AFFECTED AREA TO A "LIKE NEW" CONDITION.

NN.

GENERAL CONTRACTOR ASSUMES COMPLETE RESPONSIBILITY WHEN CLIENT ENTERED INTO BY THE GENERAL CONTRACTOR, THE GENERAL CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE LANDLORD CONTACT PRIOR TO ANY CONSTRUCTION.

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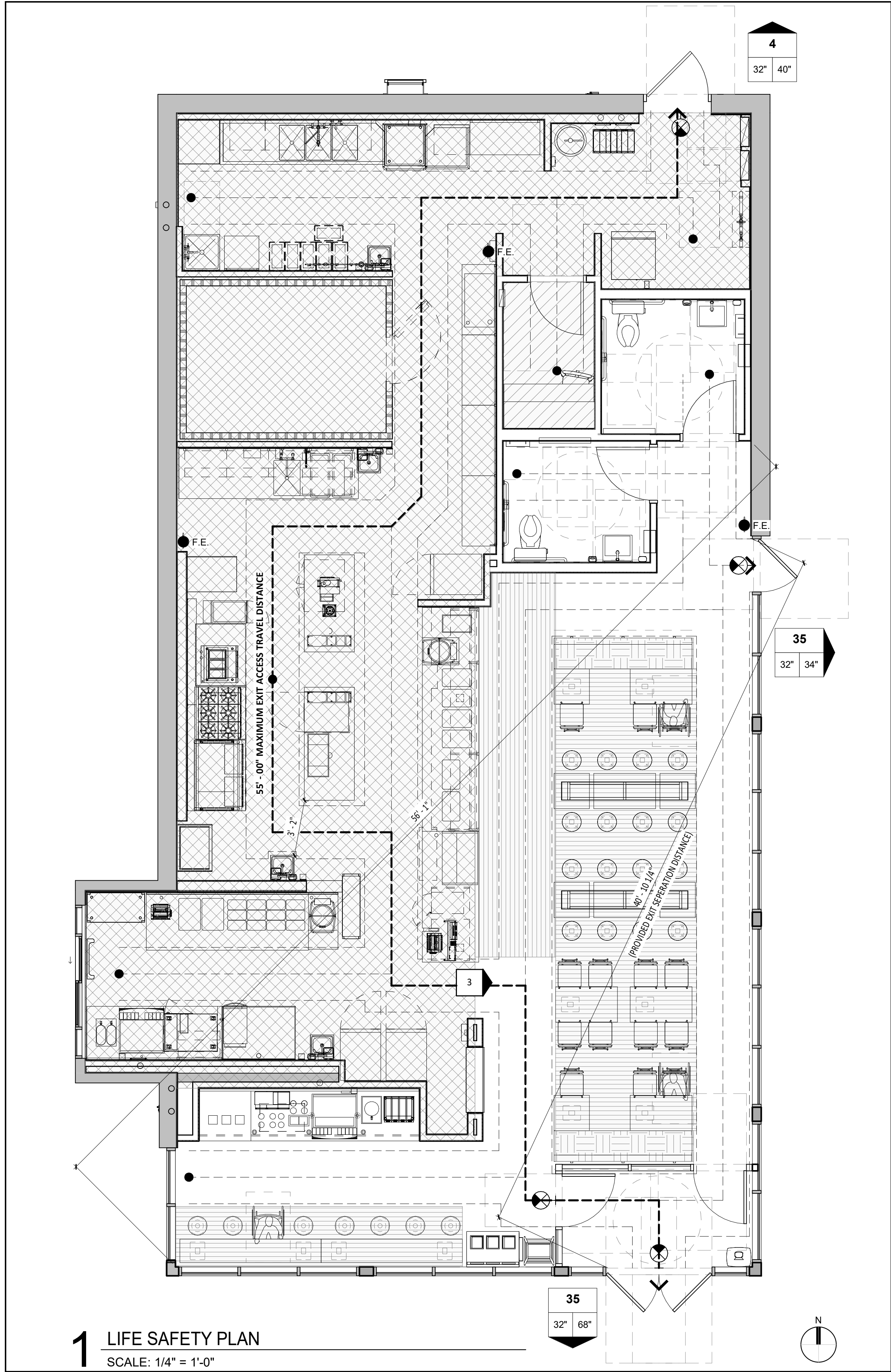
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ABBREVIATIONS											
(E)	EXISTING CONSTRUCTION	EL	ELEVATION (VERTICAL HEIGHT)	HES	TENANT'S HVAC EQUIPMENT SUPPLIER	MSS	MUSIC SYSTEMS SUPPLIER	SPS	SODA POP SUPPLIER	THS	TENANT'S HARDWARE SUPPLIER
(N)	NEW CONSTRUCTION					NIC	NOT IN CONTRACT	SS	SUPPORT SIGNAGE	TSS	TENANT'S SMART SAFE SUPPLIER
@	AT	ELEC	ELECTRIC(AL)	HS	HOOD SUPPLIER	NO	NUMBER	T	TENANT	TL5	TENANT'S LIGHT/LAMP SUPPLIER
AFF	ABOVE FINISH FLOOR	ELEV	ELEVATION	HVAC	HEATING AND VENTILATING	OC	ON CENTER	TAB	TENANT'S TEST & BALLANCE VENDOR	TSV	TENANT'S SIGN VENDOR
ARCH	ARCHITECT(URAL)	EQ	EQUAL	ICP	INITIAL COST PROJECTION	OSB	ORIENTED STRAND BOARD	TMB	TENANT'S MENU BOARD SUPPLIER	TUV	TENANT'S UV SUPPLIER
ASS	ALARM SYSTEM SUPPLIER	EXT	EXTERIOR	INT	INTERIOR	PDC	PROTECT DURING CONSTRUCTION	TBD	TO BE DETERMINED, SEE FIELD REFERENCE MANUAL	TYP	TYPICAL
BD	BOARD	FC	FOR CONSTRUCTION	KES	KITCHEN EQUIPMENT SUPPLIER	POS	POINT OF SALE PREPARATION	TCC	TENANT'S CABLING CONTRACTOR	UNO	UNLESS NOTED OTHERWISE
BLDG	BUILDING	FRP	FIBERGLASS REINFORCED PANEL	MAX	MAXIMUM	PREP	PREPARATION	TEMS	TENANT'S ENERGY MANAGEMENT SYSTEM SUPPLIER	UPS	UNINTERRUPTED POWER SUPPLY
CMU	CONCRETE MASONRY UNIT	FRT	FIRE RETARDANT-TREATED	MECH	MECHANICAL	QT	QUARRY TILE	TP	TENANT'S PHONE SUPPLIER	VIF	VERIFY IN FIELD
CO2	CO2 SUPPLIER	GA	Gauge	MFR	MANUFACTURER	R	RADIUS	TPS	TENANT PANELBOARD SUPPLIER	WCS	TENANT'S WALK-IN COOLER SUPPLIER
CO2AS	CO2 ALARM SUPPLIER	GALV	GALVANIZED	MIN	MINIMUM	RTU	ROOF TOP UNITS	TRS	TENANT'S RAILING SUPPLIER	WHS	WATER HEATER SUPPLIER
DIM	DIMENSION(S)	GC	GENERAL CONTRACTOR	MISC	MISCELLANEOUS			TS	TENANT'S SAFE SUPPLIER	ø	DIAMETER OR ROUND
EA	EACH										

- ### LIFE SAFETY GENERAL NOTES
- A. LIFE SAFETY SYSTEMS SHALL BE DESIGNED PER APPLICABLE FIRE PREVENTION CODE, ORDINANCE OR LAW.
- B. POST "NO PARKING - FIRE LANE" SIGNS ALONG APPROVED VEHICULAR ACCESS ROADS. COORDINATE LOCATIONS WITH LOCAL AUTHORITY HAVING JURISDICTION.
- C. AN ALL WEATHER FIRE ACCESS ROAD SHALL BE IN PLACE BEFORE ANY COMBUSTIBLE MATERIALS ARE PLACED ON SITE. COORDINATE WITH LOCAL AUTHORITY HAVING JURISDICTION.
- D. 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.
- E. 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.
- F. 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.
- G. 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.
- H. 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.
- I. 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.
- J. THE INSTALLATION OF THE ANSUL SYSTEM 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.
- K. 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.
- L. 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.
- M. EXIT SIGNS TO BE PROVIDED AND INSTALLED AS REQUIRED BY APPLICABLE CODES, ORDINANCES AND LAWS.
- N. PROVIDE APPROVED EXITING ILLUMINATION AND ILLUMINATED EXIT SIGNS WHICH ARE POWERED FROM SEPARATE CIRCUITS AND COMPLY WITH THE BUILDING CODE.
- O. EXIT LIGHTING AND SIGNS SHALL HAVE 6" HIGH LETTERING IN ACCORDANCE WITH LOCAL CODES. PROVIDE LOW LEVEL EXIT SIGNS PER CODE REQUIREMENTS.
- P. FIRE DEPARTMENT FINAL INSPECTION REQUIRED.
- Q. 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.
- R. FIRE EXTINGUISHER NOTES
- a. 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.
- b. 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.
- c. 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.

CODE ANALYSIS

APPLICABLE CODES AND REGULATIONS

*INCLUDES STATE AND LOCAL PROVISIONS TO THE BUILDING CODE

BUILDING CODE:	2015 INTERNATIONAL BUILDING CODE, SPS CH 361-366
MECHANICAL CODE:	2015 INTERNATIONAL MECHANICAL CODE
PLUMBING CODE:	2018 WISCONSIN PLUMBING CODE, SPS CH 381-387
ENERGY CODE:	2015 INTERNATIONAL ENERGY CONSERVATION CODE
FUEL GAS CODE:	2015 INTERNATIONAL FUEL GAS CODE
ELECTRICAL CODE:	2017 NATIONAL ELECTRICAL CODE, SPS CH 316
FIRE CODE:	2015 INTERNATIONAL FIRE CODE
FOOD CODE:	2020 WISCONSIN FOOD CODE
ACCESSIBILITY CODE(S):	ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, 2009 ED.

BASIS OF DESIGN

EXISTING CONSTRUCTION TYPE (UNCHANGED)	TYPE V-B
OCCUPANCY TYPE	A-2
AREA FACTOR (UNCHANGED)	NON SPRINKLERED, SINGLE STORY
EXISTING BUILDING AREA (UNCHANGED)	2,354 SQ FT
OCCUPANT LOAD	74 OCC.

CH3 - OCCUPANCY CLASSIFICATION & USE

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	40'-0"
EXISTING BUILDING HEIGHT (UNCHANGED)	20'-8"
At = BASIC ALLOWABLE AREA - BASED ON OCCUPANCY	At = 6,000 SQ FT.
EXISTING BUILDING AREA (UNCHANGED)	2,354 SQ. FT.

CH6 - TYPES OF CONSTRUCTION

FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS	
BUILDING ELEMENT	FIRE RATING REQUIRED
PRIMARY STRUCTURAL FRAME	0 HOUR
BEARING WALLS	EXTERIOR 0 HOUR INTERIOR 0 HOUR
NON-BEARING WALLS	EXTERIOR 0 HOUR
NON-BEARING WALLS AND PARTITIONS	INTERIOR 0 HOUR
FLOOR CONSTRUCTION	0 HOUR
ROOF CONSTRUCTION	0 HOUR

CH8 - INTERIOR FINISHES

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

CH9 - FIRE PROTECTION & LIFE SAFETY

SPRINKLER SYSTEM:	NON-SPRINKLERED
COMMENTS:	AUTOMATIC SPRINKLER SYSTEM NOT REQUIRED AS THE FIRE AREA DOES NOT EXCEED 5,000 SQ. FT. (484 M2). NOT HAVE OCCUPANT LOAD OF 100 OR MORE
FIRE ALARM & DETECTION SYSTEM:	NOT REQUIRED TO PROVIDE, 2015 IFC 907.2.1
FIRE EXTINGUISHERS:	INSTALLED, AS REQUIRED; COORDINATE FINAL LOCATIONS WITH FIRE MARSHAL

CH10 - MEANS OF EGRESS

FUNCTION OF SPACE	SQUARE FOOTAGE	LOAD FACTOR	OCCUPANT LOAD
STANDING SPACE	102	5 SF (NET)	21
FIXED SEATING	38 SEATS	1 SEAT/OCC.	38
FIXED SEATING - BOOTHS	188"	24" BOOTH LENGTH/OCC..	8
KITCHEN (COMM.)	1,169	200 SF (GROSS)	6
BUSINESS AREA	43	100 SF (GROSS)	1
POSTED OCCUPANT LOAD: 74			

RESTAURANT SEATING COUNT

INTERIOR SEATING COUNT	46
EXTERIOR (PATIO) SEATING COUNT	20
TOTAL SEATING COUNT	66

EGRESS REQUIREMENTS

EXIT DOORS	FACTOR	OCC. LOAD	REQ'D WIDTH	PROP. WIDTH
EXITS PER OCC. LOAD	0.2	74	32"	142"
DIAGONAL DISTANCE OF AREA SERVED	2 REQUIRED		3 PROVIDED	
REQUIRED EXIT SEPARATION DISTANCE			56'-1"	
EXIT SEPERATION DISTANCE PROVIDED			28'-1"	
MAXIMUM TRAVEL DISTANCE ALLOWED			40'-11"	
MAXIMUM TRAVEL DISTANCE PROVIDED			200'-0"	
MAXIMUM COMMON PATH OF TRAVEL ALLOWED			55'-0"	
MAXIMUM COMMON PATH OF TRAVEL PROVIDED			75'-0"	
MINIMUM CLEAR EXIT WIDTH ALLOWED			19'-2"	
MINIMUM CLEAR EXIT WIDTH PROVIDED			36"	
CLEAR EXIT WIDTH PROVIDED			36"	

CH29 - PLUMBING SYSTEMS

PLUMBING FIXTURE REQUIREMENTS - BASED ON OCCUPANT LOAD=74+20(PATIO)94 OCC.					
USE GROUP	REQ'D WC	PROP. WC	PROP. URINALS	REQ'D LAVS	PROP. LAVS
A-2					
MALE	0	0	0	0	0
FEMALE	0	0	0	0	0
NON-GENDER SPECIFIC *	2	2	0	2	2
DRINKING FOUNTAINS **	REQUIRED FIXTURES		PROPOSED FIXTURES		
SERVICE SINK	0		0		

* WHERE THE CODE REQUIRES ONLY ONE TOILET FACILITY FOR EACH SEX, TWO UNISEX FACILITIES MAY BE SUBSTITUTED FOR SEPARATE SEX FACILITIES (SECTION 2902.2.1)

** WHERE WATER IS SERVED IN RESTAURANTS, DRINKING FOUNTAINS SHALL NOT BE REQUIRED

LIFE SAFETY LEGEND

FUNCTION OF SPACE

- ASSEMBLY, UNCONCENTRATED (STANDING ONLY)
- ASSEMBLY AREA WITH FIXED SEATS
- ASSEMBLY AREA WITH FIXED SEATS (BOOTHS)
- KITCHENS, COMMERCIAL AREA
- BUSINESS AREA
- UNOCCUPIED AREAS (RESTROOMS, UNOCCUPIABLE SPACES, MEANS OF EGRESS)

EGRESS AT DOORS

INTERVENTING EXIT OPENING

EGRESS BREAKDOWN:
OCCUPANTS SERVED
EXIT WIDTH REQUIRED
EXIT WIDTH PROVIDED

NUMBER OF OCCUPANTS EGRESSING THROUGH AN EXIT ACCESS DOORWAY

CONSULTANT:

WILKUS ARCHITECTS

CHIPOTLE MEXICAN GRILL, INC.
P.O. BOX 16566
COLUMBUS, OH 43216-2666
TELEPHONE: (614) 318-2462
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PROJECT INFORMATION:

STORE NO.: 5326
"GREENFIELD WI"
8515 SURA LANE
GREENFIELD, WI 53228

SEAL:

WISCONSIN
MATTHEW M. WILKUS
A-12282
MINNETONKA, MN
ARCHITECT
December 20, 2024
MATTHEW M. WILKUS
LICENSE #12262-5
(EXPIRES 07/31/2026)

PROJECT NO. 2023-0549
DRAWN BY ABM
CHECKED BY DRL, CJG, CJG

ISSUE RECORD:

08/26/2024	PERMIT SET
11/22/2024	BID SET
12/20/2024	CONSTRUCTION SET

REVISIONS:

1	11/22/2024	BID SET
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TITLE:

CODE ANALYSIS - LIFE SAFETY PLAN

SHEET NUMBER:

G001

2.1 Materials: A. Resinous Flooring: Manufacturer: a/flooring 1. Contact: 1218 West 41st Street, Suite B, Tulsa, Oklahoma 74107. Phone: 918-445-0627 2.1 Flooring System: A. System Description: Clear, thin film system 18-22 mils thick with texture agent added for slip resistance. 1. TerraPrime: A 2 component, 100% solids clear polyamide-cured epoxy coating. 2. TerraThane Satin: A 2 component, 90% solids polyurea clear finish coat. 3. TerraGrip: A graded, plastic aggregate added to finish coat for slip resistance. 2.3 Product Substitutions: A. Substitutions: No substitutions permitted. 2.4 Source Quality: A. Source Quality: Obtain resinous materials, including patching and leveling materials from a single manufacturer. 3.1 Manufacturer's Instructions: A. Compliance: Comply with manufacturer's product data, including product technical data sheets and application instructions. 3.2 Examination: A. Site Verifications of Conditions: Verify substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions. 1. Before applying materials, inspect surfaces to receive new materials and report any unsatisfactory conditions. Absence of any such report shall constitute installer's acceptance of surfaces as satisfactory for installing materials. 3.3 Preparation: A. Adjacent Surfaces Protection: Protect adjacent work areas and finish surfaces from damage during product installation. B. Surface Preparation: 1. Mechanical Cleaning: Concrete floor surfaces receiving polymer flooring systems shall be thoroughly cleaned and prepared by shotblasting and/or diamond grinding. 2. Patching Damaged Substrate: Holes, voids, static cracks, and other substrate surface defects should be patched and repaired according to manufacturer's recommendations. 3. Prepare and clean control joints well and fill with an appropriate elastomeric. 3.4 Installation: A. Resinous Flooring Installation: The following are abbreviated guidelines that should provide for basic application steps for the installation of the systems. Detailed instructions should be obtained from the manufacturer. 1. Patching: After substrate preparation, surface defects shall be patched according to manufacturer's recommendations. 2. Priming: Apply a/flooring TerraPrime, 100% solids epoxy primer, at a rate of 125-150 square feet per gallon. Allow 6-12 hours (depending on temperatures) of cure before applying finish coat. Finish coat must be applied within 24 hours of TerraPrime application. 3. Finish Coat: Apply a/flooring TerraThane Satin, 90% solids polyurea topcoat, at a rate of 200 square feet per gallon. TerraGrip should be added to the TerraThane mix at a rate of 1 pint per 3 gallon kit for slip resistance. Note that TerraThane Satin must be metered out by notched squeegee prior to rolling. B. Cleaning: Remove temporary coverings and protection of adjacent work areas. Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions prior to Owner's acceptance. Remove construction debris from project site and legally dispose of debris. 3.5 Protection: A. Protection: Protect installed product and finish surfaces from damage during construction. SECTION 03395 - CONCRETE SEALING AND POLISHING 1.1 General: Provide a sealed and polished concrete floor finish as shown and specified. A. Standards 1. American Society for Testing and Materials: a. ASTM-C779, Standard Test Method for Abrasion Resistance of Horizontal Concrete Surfaces. b. ASTM G23-81, Ultraviolet Light & Water Spray c. ASTM C805, Impact Strength 2. American Concrete Institute a. ACI 302. 1R-89, Guide for Concrete Floor and Slab Construction B. Submittals: Provide the following: 1. Manufacturer's product data, specifications and installation instructions. Include Material Safety Data Sheets (MSDS) and identify application requirements, curing time and safety requirements. 2. Certified test reports, prepared by an independent testing laboratory, confirming compliance with performance criteria. 3. Manufacturer's certification that installer is a certified applicator of special concrete floor finishes, and familiar with manufacturer's installation procedures and requirements for the specified sealed and polished concrete floor finish. 4. Manufacturer's and installer's written acceptance of substrate surface and installation conditions. C. Quality Assurance: 1. Installer Qualifications: a. Use a certified installer and adequate number of skilled workmen who are thoroughly trained and experienced in the necessary craft. b. The special concrete finish manufacturer shall certify the applicator. 2. Applicator shall be familiar with the specified requirements and the methods needed for proper performance of work of this section. Applicator shall have not less than three years successful experience installing sealed and polished floor finishes similar to those required for this project. 3. Provide a letter of certification from special concrete finish manufacturer stating that installer is a certified applicator and is familiar with proper procedures and installation requirements required by the manufacturer. 4. Protection: Contractor shall provide all necessary materials, means, methods and procedures acceptable to the floor finish manufacturer and required to protect the concrete floor surface and provide a suitable substrate for the installation of the specified sealed and polished concrete floor finish. D. Project Conditions: 1. Comply with the floor finish manufacturer's environmental limitations for substrate temperature and moisture content, ambient temperature, and humidity, ventilation and other conditions affecting the special floor finish performance. a. Concrete must have an average Floor Flatness rating of at least 40. b. Concrete must have an average Floor Levelness rating of at least 40. c. Concrete must be cured a minimum of 28 days or as directed by the manufacturer before application of RetroPlate can begin. Wet cure of the concrete is preferred. No concrete sealer is necessary. d. Application of RetroPlate shall take place prior to installation of equipment, thus providing a complete, uninhibited concrete slab for application. 2. Before general sealer/hardener application, prepare and coat a jobsite test area of size acceptable to the Architect, to verify and approve proper surface preparation, application techniques and coverage rate. 3. Close finished floor areas to traffic during floor finish application and after application for time period directed by the floor finish manufacturer. 4. The completed RetroPlate slab will be covered to prevent damage by the other trades during store completion.

2.1 Materials

A. Hardening/ Sealing Agent

1. RetroPlate 99 manufactured by Advanced Floor Products Inc. (801) 812-3420 www.retroplatesystem.com

2. RetroGuard Stain Inhibitor

3. Joint Filler: CreteFill Pro 75. Two component 100% solids non-staining Polyurea Elastomer.

4. Spall Repair: Multiple minor surface defects and irregularities: Crete Fill Spall Repair: High Strength hybrid urethane, two part 100% solids.

5. Coefficient of friction for Retroguard finish shall not be lower than .40.

6. Manufacturer's Representative: Contact Scott Maxfield at RetroPlate for a list of Certified Applicators (888)942-3144 scott.maxfield@retroplatesystem.com

3.1 Installation

A. Surface Conditions

1. Examine substrate, with installer present, for conditions affecting performance of finish. Correct conditions detrimental to timely and proper work. Do not proceed until unsatisfactory conditions are corrected.

2. Verify that base slab meets finish and surface profile requirements in Division 3 Section "Cast-In-Place Concrete," and Project Conditions above.

3. Prior to application, verify that floor surfaces are free of construction latents.

B. Application

The following RetroPlate process will be followed as listed below:

A concrete grinding machine must be used. Please proceed accordingly. The process is as follows:

1. Floors should be started using 50, 80 or 100 grit diamond pucks depending on the condition of the slab.

2. Clean the floor using automatic scrubber or comparable.

3. Grind floor using 200 grit resin diamonds.

4. Clean the floor using automatic scrubber or comparable.

5. Apply RetroPlate 99 to floor at 200 sq. ft. per gallon, scrubbing product into the floor and allowing product to soak until turning slick. If it becomes sticky, apply water to the surface as necessary, leaving the product on the floor for at least 60 minutes.

6. Grind floor using 400 grit resin diamonds.

7. Clean the floor using automatic scrubber or comparable.

8. Clean and remove any excess RetroPlate. Let the floor dry overnight.

9. Continue the polishing process using 800 grit resin diamonds.

10. Clean the floor using automatic scrubber or comparable.

11. Alternately, depending on slab condition, grind floor using 1200-1500 grit resin diamonds.

12. Clean the floor using automatic scrubber or comparable.

13. The same process will be used for new floors as well as rehab floors. Floor prep for the rehab floors will be separate.

14. Apply an even coat of RetroGuard Sealer with a brush, roller, or low-pressure sprayer, and when surface is dry, burnish the floor with a black burnishing pad. Apply a second coat of RetroGuard one hour after the initial application, and again burnish the floor with a black burnishing pad.

15. Do not walk on surface for 12 hours, and do not introduce any water or moisture for at least 48 hours, allowing for proper drying and setting of RetroPlate and RetroGuard. Water will minimize the sealing properties of RetroPlate and RetroGuard.

C. Start any of the floor finish applications in presence of manufacturer's technical representative.

D. Sealing, Hardening and Polishing of Concrete Surface

1. Concrete must be in place a minimum of 28 days or as directed by the manufacturer before application can begin.

2. Application is to take place at least 10 days to the prior to racking and other in-store accessory installation, thus providing a complete, uninhibited concrete slab for application.

3. Only a certified applicator shall apply RetroPlate 99. Procedures must be followed as recommended by the product manufacturer and as required to match approved test sample.

4. Achieve waterproofing, hardening, dust-proofing, and abrasion resistance of the surface without changing the natural appearance of the concrete, except for the sheen.

5. Polish to a level 2 shine.

E. Workmanship and Cleaning

1. The premises shall be kept clean and free of debris at all times.

2. Remove spatter from adjoining surfaces, as necessary.

3. Repair damages to surface caused by cleaning operations.

4. Remove debris from jobsite

a. Dispose of materials in separate, closed containers in accordance with local regulations.

DIVISION 4 - MASONRY

SECTION 04810 - UNIT MASONRY ASSEMBLIES

1.1 General: Provide unit masonry assemblies as shown and specified.

A. Standards: Materials and construction shall conform to the following:

1. ACI 530.1-02/ASCE 6-02/TMS 602-02 "Specifications for Masonry Structures."

2. NCMA "TEK Bulletins."

3. BIA "Technical Notes on Brick Construction."

2.1 Materials:

A. Concrete Masonry Units (CMU): Size and thickness as shown on drawings.

1. ASTM C 90, load-bearing, normal weight, natural color CMU, properly cured at time of delivery, linear shrinkage not to exceed 0.065%.

2. Provide special shapes where required.

3. Provide exterior wall CMU containing an integral polymeric water-repellent admixture.

a. Manufacturer: W. R. Grace "Dry-BlockR System Block Admix".

B. Face Brick:

1. Manufacturer:

a. Endicott: (402) 729-3315, www.endicott.com (Iron Spot Brick), or as approved by architect

b. Belden Brick Company (330) 451-2031, www.beldenbrick.com (White Brick), or as approved by architect

2. Type: "Face Brick C216" complying with ASTM C216, Grade SW, Type FBS. No efflorescence when tested in accordance with ASTM C67.

3. Size: Modular size, laying three courses to 8" vertically.

4. Color: "Alaska White Velour" or "Manganese Ironspot, Velour" as noted on Exterior Elevations

5. Provide special shapes where required.

C. Mortar Materials:

1. Portland cement: ASTM C150, Type I or II, natural color.

2. Masonry cement: ASTM C91, Type indicated, natural color.

3. Aggregate: ASTM C144, clean masonry sand.

4. Water: Clean, fresh and potable.

5. Provide all exterior wall masonry mortar containing an integral polymeric water-repellent admixture.

a. Manufacturer W. R. Grace, "Dry-BlockR Integral Water-Repellent Mortar Admixture".

D. Unit Masonry Mortar Mixes: ASTM C270 proportions by volume.

1. Face brick: Type N mortar.

2. Dry:

a. SCS #60A "White" by Solomon Grind Services (White)

b. SM #750 "Silverstone" by Spec Mix (Iron Spot)

E. Reinforced Unit Masonry Grout Mixes

1. Concrete fill: ASTM C94 3,000 psi concrete.

F. Joint Reinforcement, Wall Ties And Anchors: Finish, ASTM A-153 hot-dip galvanized

1. Manufacturer: Hohman & Barnard, INC.

2. Horizontal joint reinforcement: Welded ladder type with matching corners and Tee units.

a. Single Wythe masonry: Standard single 9 gage side and cross rods. H&B #220 Ladder-Mesh.

3. Anchoring devices: Provide strap anchors, inserts, bolts and rods of type and size indicated.

a. CMU to CMU: Strap anchors 1/4" x 1-1/4" x 24" steel with bent ends.

b. CMU to structural steel: H&B - VBT - Vee Byrne-Tie With Plain Steel (Tie) Used in Conjunction With H&B #359 Weld-on Ties (Anchor Rods).

4. Masonry Veneer To Wood Framing: (When Required) H&B Seismic Plate Pintle HB-2135 with HB-213 (T-Lok Tie)

a. Fasteners: Self-Drilling, Self-Tapping Screws, 1-1/4" X #10, Corrosion-Resistant Coated. Provide Two (2) Screw Fasteners for each Attachment Plate.

5. Seismic Masonry Veneer to Wood Framing: (When Required) H&B Seismic Plate Pintle HB-2135 with HB-213 (T-Lok Tie)

a. Fasteners: Self-Drilling, Self-Tapping Screws, 1-1/4" X #10, Corrosion-Resistant Coated. Provide Two (2) Screw Fasteners For Each Attachment Plate.

G. Concealed Masonry Through-Wall Flashing: W. R. Grace "Perm-A-Barrier" self-adhering modified bituminous sheet, 40 mils thick.

1. Termination Mastic: W.R. Grace "Bituthene Mastic."

2. Primer: W.R. Grace "Bituthene P-300 Primer."

3. Termination bars: Extruded aluminum or stainless steel, 1" wide and .098" thick pre-punched at 6" on center, secured with stainless steel drive pins.

H. Accessories

1. Reinforcing bars: ASTM A615, Grade 60, deformed billet steel bars of sizes indicated.

2. Wall weeps: Dur-O-Wal D/A 1006 "Cell-Vent", clear flexible polypropylene co-polymer.

3. Compressible joint material: Dur-O-Wal "Rapid Soft-Joint" D/A 2010.

4. Bond breaker strips: ASTM D226 No. 15 asphalt saturated roofing felt.

5. Cleaning agents:

a. Face Brick and CMU: ProSoCo, Inc., "Sure Klean New Masonry Cleaners."

b. ACMU: ProSoCo, Inc., "Sure Klean Burnished Custom Masonry Cleaner."

6. Expansion/Control joint sealants: Polyurethane-based, elastomeric joint sealant complying with ASTM C920 and Section 07900 requirements. Color matched to adjacent surfaces.

3.1 Installation

A. Preparation

1. Wet absorbent face brick masonry units requiring wetting, in accordance with BIA recommendations.

2. Lay concrete masonry units dry.

3. Establish, lines, levels and coursing. Ensure ties, anchors and flashing are correctly installed

4. Mix mortar cementitious materials and aggregate in a mechanical mixer. Add water in amount to provide satisfactory workable consistency of mortar. Retemper mortar as required within two hours of mixing to replace water lost be evaporation. Discard mortar after two and one-half hours of initial mixing. Do not use mortar after it has started to set.

B. Installation - General:

1. Build walls and other masonry construction to the full thickness shown. Build single wythe walls to the actual thickness of the masonry units, using units of nominal thickness shown.

2. Cut masonry units using motor-driven masonry saws to provide clean, sharp edges. Cut units to fit adjoining work neatly. Provide 100% solid units where cores would be exposed.

3. Cold weather construction, hot weather construction, and masonry construction tolerances: Comply with unit masonry standard ACI 530.1/ASCE 6/TMS 602 requirements.

C. Laying Masonry

1. Layout walls in advance to ensure accurate spacing of surface bond patterns, with uniform joint widths, and to properly locate openings, movement type joints, returns and offsets. Do not use less than half-size units at corners, jambs and other locations.

2. Lay up walls plumb and true to comply with ACI 530.1 tolerances. Provide square corners and angles, except as otherwise indicated, with courses level, accurately spaced and coordinated with other work.

3. Pattern bond: Running bond. Do not use units with less than 4" of horizontal face dimensions at corners or jambs.

4. Lay hollow CMU/ACMU with full mortar coverage on horizontal and vertical face shells. Bed CMU webs in mortar in starting courses. Maintain uniform 3/8" joint widths.

5. Lay face brick and solid CMU/ACMU with completely filled bed and head joints. Do not slush head joints. Maintain uniform 3/8" joint widths.

6. Compress and cut joints flush for masonry walls below grade or covered by other materials.

7. Tool joints in all exposed masonry work to a concave joint.

8. Provide interlocking masonry bond in each course at corners and intersecting walls.

9. As the work progresses, build in masonry accessories and related items. Fill in solidly with masonry around built-in items.

a. Bed hollow metal frame anchors in mortar and fill space between hollow metal frames and masonry solid with fine mortar grout.

b. Provide solid masonry bearing for all lintels, beams, joists, plates and load-bearing members.

c. Take particular care to embed all conduits and pipes within concrete masonry without fracturing exposed shells and to fit units around switch, receptacle and other boxes set in walls. Where electric conduit, outlets, switch boxes and similar items occur, grind and cut units before building in services.

d. Install anchors, plates and related work built into masonry work.

e. Install reinforcing steel and concrete fill where indicated. Comply with drawing details.

10. Horizontal joint reinforcing: Provide continuous joint reinforcing at all concrete masonry walls as follows:

a. In every second block course, 16" on center vertically, full height of wall and every block course where shown on the drawings.

b. Lap reinforcement a full width at the corners and at intersections or use special fabricated sections.

c. Fully embed side rods in mortar.

11. Anchoring masonry work: Provide anchoring devices of the type indicated or required.

12. Provide vertical expansion, control and isolation joints in masonry where indicated.

a. When not indicated, at maximum 30'-0" on center.

b. Locate control joints at points of natural weakness in masonry and acceptable to Architect.

c. Joint sealant color shall match masonry materials sealed.

13. Lintels: Install loose steel lintels furnished under structural steel work where shown. Set lintels in full bed of mortar.

14. Flashing and weeps:

a. Install concealed through wall masonry flashing at all wall sills, masonry openings in exterior walls with masonry above head, over all horizontal steel members built into masonry and elsewhere as indicated. Provide "drainage wall system" masonry construction.

b. Provide end dams and positive slope to drain. Extend flashing vertically at least 8" and built into or anchor to back-up with a termination bar for a complete watertight installation.

c. Flexible Membrane Flashing:

1.) Install membrane flashing in accordance with manufacturer's installation instructions.

2.) Fully adhere flashing to substrate.

3.) Lap flashing joints a minimum of 6", seal and roll with a hand roller.

4.) Trim bottom edge 1/4" back from exposed face of masonry.

5.) Seal edges, seams, cuts and penetrations with manufacturer's recommended mastic.

15. Install weeps in head joints of final course of exterior masonry wythe above flashing. Space weeps maximum of 24" on center horizontally and located to avoid door openings. Install weeps at head joints with outside face of weep material held 1/8" from the finish face of masonry unit.

16. Install compressible joint material at lintels and horizontal steel members. Build in joint fillers and seal with elastomeric joint sealant.

D. Masonry Veneer Walls:

1. Metal framed walls: Tie exterior masonry veneer wythe to back-up wall with individual metal ties screwed to metal stud framing.

2. Space ties 16" on center vertically and horizontally.

3. Maintain veneer wall cavity free of mortar droppings during masonry installation.

E. Parging:

1. Dampen masonry walls prior to parging.

2. Scarify each parging coat to ensure full bond to subsequent coat.

3. Parge masonry walls in two uniform coats of mortar to a total thickness of 3/4 inch (19mm).

4. Steel trowel surface smooth abs flat with a maximum surface variation of 1/8 inch per foot (1mm/meter).

F. Architectural Concrete Masonry Units: Install ACMU in accordance with the manufacturer's installation instructions and the following:

1. Draw ACMU from more than one pallet at a time during installation.

G. Reinforced Concrete Masonry

1. Reinforce and fill CMU/ACMU wall and column masonry where indicated. Fill all cores solid with concrete fill. Comply with NCMA TEK Bulletins 3-2, 3-3A and 14-2 recommendations.

a. Comply with drawing details for reinforcing steel size and spacing.

2. Install bond beams where indicated. Reinforce and fill units solid with concrete fill. Comply with drawing details for reinforcing steel size and spacing.

H. Repair, Pointing and Cleaning

1. In process cleaning: Wipe off excess mortar as the work progresses. Dry brush with bristle brushes exposed masonry at the end of each day's work. Remove mortar spatters and joint ridges.

2. Clean all exposed masonry. Cleaning agents subject to Architect's approval. Before applying any cleaning agent to the entire wall, clean a sample wall area of approximately 20 square feet in a location acceptable to the Architect. Do not proceed with final cleaning until the sample area has been allowed to dry a minimum of 3 days and the test area cleaning approved. Protect all windows, doors, louvers, metal lintels and other corrodible parts. Damaged materials and work replaced at Contractor's expense.

3. Dry clean exposed surfaces to remove large particles of mortar using hardwood wood paddles and scrapers. Metal tools not acceptable.

4. Presoak exposed masonry surfaces by saturating with water and flush off loose mortar and dirt.

5. Apply cleaning solutions and clean masonry in accordance with the cleaning material manufacturer's cleaning instructions.

6. Muratic acid cleaning of masonry not permitted.

I. Architectural Concrete Masonry:

1. Keep ACMU walls clean during installation. Remove excess mortar on daily basis using brushes, rags or burlap squares.

2. Clean completed walls with detergent masonry cleaner recommended by the ACMU manufacturer. Acid cleaning agents, abrasive cleaners, tools or powders and metal cleaning tools and brushes are not permitted.

3. After final clean down and when walls are dry, apply ACMU acrylic finish coating in accordance with ACMU manufacturer's application instructions.

DIVISION 5 - METALS

SECTION 05120 - STRUCTURAL STEEL

1.1 General: Provide structural steel in accordance with the General Structural Notes and structural drawings and details.

A. Standards: Materials and construction shall conform to following:

1. AISC "Specification for the Design, Fabrication, and Erection of Structural Steel for Buildings."

2. AISC "Code of Standard Practice."

3. AWS "Structural Welding Code, D1.1-Steel."

2.1 Materials:

A. Materials compliance: When requested, submit acceptable data documenting materials compliance for each type of material required.

B. Structural Shapes: ASTM A36/A36M, 36 ksi steel.

C. Tubular Steel: ASTM A500, 46 ksi yield strength steel, cold-formed welded and seamless.

D. Structural pipe: ASTM A53, type and grade selected by the fabricator as required for design loading, standard finish, standard weight (Schedule 40) except as otherwise indicated.

E. Grout: ASTM C1107, pre-mixed, shrinkage resistant, non-metallic, non-corrosive, non-staining grout.

F. Shop paint primer: Refer to Section 09900 - Paints and Coatings.

G. Fabrication: Fabricate structural steel in accordance with AISC "Specification - Structural Steel for Buildings" and "Code of Standard Practice." Provide welded or bolted connections in accordance with the Structural Drawings connection requirements.

1. Welding: Conform to AWS welding standards. Provide only continuous welds, spot welding is not acceptable. Grind all exposed welds smooth.

2. Splicing: Material, if spliced, shall have maximum one splice per structural member. Perform splicing by full penetration butt-welding using AWS qualified welders and welding methods.

3. Shop painting: Shop paint structural metal members, except members or portions of members to be embedded in concrete or masonry, surfaces and edges to be field welded and galvanized surfaces. Refer to Section 09900 - Paints and Coatings.

3.1 Installation:

A. Erection: Erect structural steel in accordance with AISC "Specification - Structural Steel for Buildings" and "Code of Standard Practice".

1. Plumb, level and align base plates for structural members with steel shims.

2. Grout structural steel base plates solid that bear on concrete or masonry surfaces.

B. Testing: When required, comply with drawings testing requirements.

SECTION 05400 - COLD-FORMED METAL FRAMING

1.1 General: Provide cold-formed metal framing in accordance with the General Structural Notes and structural drawings and details.

A. Standards: Materials and construction shall conform to following:

1. AISI SG02.2-01 "Design of Cold-Formed Steel Structural Members."

2. AWS "Structural Welding Codes, D1.3-Sheet Steel."

2.1 Materials:

A. Materials compliance: When requested, submit acceptable data documenting materials compliance for each type of material required.

B. Load-Bearing Cold-Formed Metal Framing: ASTM A1003, Gage, Grade and Type indicated.

1. Components: Provide sizes and shapes indicated.

2. Finish: Galvanized complying with ASTM A653, minimum G60 coating.

C. Fabrication:

1. Cold-formed metal framing may be prefabricated into panels before erection. Fabricate panels plumb, square, true to line and braced against racking with joints welded.

a. Provide one-piece full-length cold-formed metal framing members. Splicing not permitted.

2. Attach and join other components by welding or screw fasteners, as indicated. Wire tying of framing components is not permitted.

3. Cut framing to fit squarely for attachment to perpendicular members or as required for angular fit against abutting members. Hold members securely in position until properly fastened.

4. Saw cut field cut framing. Torch cutting not acceptable.

3.1 Installation:

A. Erection: Erect cold-formed metal framing members of gage and at spacing indicated on the Structural Drawings. Align and secure studs to top and bottom runner tracks by welding or screw fasteners at both inside and outside flanges.

B. Tolerance Acceptance: Install cold-formed metal framing member as indicated on the plans. Install to 1/16" tolerance.

SECTION 05500 - METAL FABRICATIONS

1.1 General: Provide metal fabrications as shown and specified.

A. Submit shop drawings for the following:

1. Patio Rail systems.

a. Show thickness, size, construction and manner of assembling various members, joint locations and railing layout.

b. Show true profiles, connections and relationship to adjoining work and methods of anchoring.

2.1 Materials:

A. Materials compliance: When requested, submit acceptable data documenting materials compliance.

B. Steel Shapes: ASTM A36/A36M, 36 ksi steel.

C. Stainless Steel:

1. Wall: 18 gage, ASTM A167, AISI Type 304 stainless steel, No. 4 finish.

D. Diamond Plate: Nominal 1/8" thick ASTM B209, Alloy 6061-T6, Aluminum Diamond Tread Plate.

1. Wall: Bright reflective finish.

2. Floor: Mill finish.

E. Patio Railing System

1. Submit shop drawings including the following:

a. Show thickness, size, construction and welding, as well as assembly drawings.

b. Show true profiles, connections of all typical joint configurations

c. Show installation (fastening) and proposed grout (non-gypsum base)

d. Show gate detail and gate hardware manufacturer and model number

e. Patio railing plan, with dimensions and panel assembly locations.

2. Fabrication

a. Patio rails and gate shall be fabricated from steel flat bar, 3/8" x 2 1/2", grade A36.

b. Corner connector angles shall be 2 1/2" x 2 1/2" x 1/4" steel L angle.

c. Gate hinges shall be a self-closing, adjustable tension type. Hinge installation shall be drilled and tapped. Permanently welded are unacceptable.

d. Gate stop shall have a rubber cushion stop and be affixed to the active gate.

e. All corners and joints shall be seal welded and outside joints ground smooth.

f. All welding spatter shall be removed before sand blasting.

3. Finish

a. Patio railing shall be painted PPG Durethane, color 518-6 Knight's Armor. Refer to Section 09900 - Paints and Coatings for preparation.

F. Exposed Fasteners:

1. Diamond Plate: #8 x 1" bevel headed stainless steel screw.

2. Patio Railing:

a. All fasteners shall be stainless steel and powder coated to match railing sections.

b. Spacer washers separating railing sections shall be 1 1/2" diameter and 1/2" thick they shall be one piece thick washers and not comprised of stacking washers

c. Spacer washers shall be used on all straight sections and when railing panels join at 90 degree corner angles.

G. Shop paint primer: Refer to Section 09900 - Paints and Coatings

CONSULTANT:



CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
PO BOX 16266
COLUMBUS, OH 43216-2666
TELEPHONE: (614) 318-2482
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Matthew M. Wilkus
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MINNETONKA, MN
ARCHITECT
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MATTHEW M. WILKUS
LICENSE #12262-5
(EXPIRES 07/31/2026)

PROJECT NO: 2023-0549

DRAWN BY ABM

CHECKED BY DRL, CJG

ISSUE RECORD:

08/26/2024	PERMIT SET
11/22/2024	BID SET
12/20/2024	CONSTRUCTION SET

REVISIONS:

1	11/22/2024	BID SET
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TITLE:

ARCHITECTURAL SPECIFICATIONS

SHEET NUMBER:

G011

3.1 Installation: Comply with the Architectural Drawing details and the following: A. Exposed Fasteners: 1. Flat Metal Panels: Provide 18" vertical and horizontal pattern or spaced equally if 18" pattern does not finish evenly. Exposed fasteners shall remain unpainted in natural factory supplied finish. 2. Diamond Plate: Provide counter sunk fasteners at perimeter of panels at 2'-0" on center maximum as well as fully adhering to surface. B. Stainless Steel: 1. Wall: a. Clean stainless steel panel with mineral spirits. b. Install stainless steel panels with Henry 117 oil based adhesive applied to wall with 1/8" notch tooth trowel. c. Trim seams as indicated on the Drawings. No exposed fasteners. C. Diamond Plate: 1. Wall: Mount over plywood substrate w/ flush exposed fasteners. 2. Floor: Provide continuous bead of silicone sealant to back side perimeter of plate prior to installation. 3. Mount with exposed fasteners. Provide continuous bead of silicone sealant to perimeter of plate after installation. D. Patio Railing System: 1. Railing posts shall be set 6" deep into a core drilled hole, 4"-6" diameter 2. Railing posts shall be grouted in using no gypsum quick set grout. 3. Railing posts shall be set in ground plumb and level, with a tolerance of 1/8" in 4 feet. E. Hand-inspect all joints and edges of installed metal materials. Unless otherwise indicated, fit exposed connections accurately together to form tight hairline joints. Grind and ease exposed joints, and edges smooth and free of burrs. DIVISION 6 – WOOD AND PLASTICS SECTION 06100 - ROUGH CARPENTRY 1.1 General: Provide rough carpentry work as shown and specified. A. Standards: Materials and construction shall conform to following: 1. NIST PS-1-95 "Construction and Industrial Plywood." 2. NIST PS-2-95 "Performance Standards for Wood-Based Structural-Use Panels." 3. NIST PS-20-99 "American Softwood Lumber Standard." 4. NF&PA NDS-97 "Wood Construction and Supplement." 5. AWWA "Wood Treatment Standards." 2.1 Materials: A. Lumber: Factory grade-marked, dressed, seasoned dimension lumber, S4S, air-dried, maximum 19% moisture content complying with PS-20, dimensions indicated. 1. Blocking, nailers and similar members: Standard Grade Western Dimension Lumber or Southern Pine species. a. Provide preservative treated lumber, where indicated. B. Plywood: Factory grade-marked, complying with PS-1, square edge, 5/8" thick. 1. APA-RATED SHEATHING EXP1. a. Provide Exterior Grade (EXT) plywood, where indicated. b. Provide fire-retardant treated plywood, where required by Building Code. C. Oriented Strand Board (OSB): Factory grade-marked, complying with PS-2, square edge, 5/8" thick 2.2 Wood Treatment: A. Preservative Treatment: Comply with applicable requirements of AWWA Standards C2 (Lumber). 1. Pressure preservative treat lumber with water-borne preservatives, acceptable to authorities having jurisdiction, to a minimum retention of 0.25 pcf. 2. Treat wood blocking, nailers and similar members in connection with roofing and flashing. 3. Treat wood plates, blocking, furring and similar concealed members in contact with masonry or concrete. B. Fire-Retardant Treatment: Comply with applicable requirements of AWWA Standards C27 (Plywood). Identify "fire-retardant-treated plywood" with appropriate UL classification marking. 1. Treated materials shall meet "Interior Type A" FR-S ratings of not more than 25 for flame spread, smoke developed and fuel contributed when tested in accordance with UL 723 or ASTM E84, with no increase in flame spread and evidence of significant progressive combustion upon continuation of test for additional 30 minutes. C. Kiln-dry all treated lumber and plywood materials after treatment to maximum 15% moisture content. 3.1 Installation: A. Lumber: Provide wood blocking, nailers and similar members where shown and where required for attachment of other work and surface applied items. Attach to substrate as required to support applied loading. 1. Use only sound, seasoned materials of longest practical lengths and sizes to minimize joints. 2. Use materials free of warp. Make tight connections between members. SECTION 06210 - FINISH CARPENTRY AND MILLWORK 1.1 General: Provide finish carpentry and millwork as shown and specified. A. Standards: Materials and construction shall conform to the following: 1. AWI "Architectural Woodwork Quality Standards - 1999." B. Doors and door hardware: Install all door hardware furnished under Division 8 specification Sections. C. Submit shop drawings for designated millwork. 1. Include complete details, materials lists and drawings showing fabrication of typical units, unit assemblies, locations and installation details. 2. List proposed cabinet hardware to suit indicated unit use or function. 3. Identify materials required to complete work ready for installation. 4. Obtain shop drawing approval before starting fabrication. 2.1 Materials: A. Plywood: AWI Section 200 1. Concealed use substrates: CDX, D-3 Paint Grade hardwood plywood, with aspen veneer core, 5/8" thick. (OSB is an alternative as allowed by Chipotle CM) 2. Exposed to view finishes: Random plank matched or slip and swing matched spalted maple veneer on 3/4" baltic birch core, with mill option sound grade hardwood backer. Spalted maple grain to run horizontally .5 sheen matte clear waterborne finish. Panels to be provided at 47" height, with widths varying from 24" to 95". B. Millwork: Materials and construction as detailed on the Drawings. C. Fabrication: 1. Millwork design and fabrication details shown on the drawings indicate design intent. Unless otherwise indicated, provide manufacturer's standard fabrication methods. Indicate all proposed variations from the drawing design and fabrication details on shop drawings. 2. Fabricate millwork in accordance with AWI "Custom Grade" requirements. Where details are not shown, comply with applicable Quality Standards or with alternate details acceptable to Architect as fabricator's option. 3. Fabricate finished work properly framed, closely fit and accurately set to required lines and levels and rigidly secured in place. 4. Fabricate work straight, plumb, level and in true alignment; neatly and accurately fit, scribed and thoroughly secured. Plane and sand miters and other joints. Ease all square edges. Provide millwork clean and free from warp, twist, open joints and other defects. 5. Provide finished woodwork dressed and sanded free from machine and tool marks, abrasions, raised grain or other defects on surfaces exposed to view in finished work. D. Finish: Sayerlack Hydroplux Waterborne Clear, 5 sheen for spalted veneer SECTION 07240-EXTERIOR INSULATION AND FINISH SYSTEM (EIFS) 1.1 General: Provide the exterior insulation and finish system (EIFS) as shown and specified. A. Standards: Materials and construction shall conform to the following: 1. EIMA (EIFS Industry Members Association) Standards and Publications. a. 101.01, 101.02, 101.03, 101.86, 105.01, 200.02. b. EIMA "Guideline Specification for Expanded Polystyrene (EPS) Insulation board." SECTION 06605 - FIBERGLASS REINFORCED PLASTIC PANELS 1.1 General: Provide fiberglass reinforced plastic panels as shown and specified. 2.1 Materials: A. Manufacturer: Marlite, (330) 343-6621, internet www.marlite.com, Email: info@marlite.com B. Panel System: 'P6' Per Finish Schedule, Series: Standard FRP - "Marlite Class 1/A" Fiberglass Reinforced Polyester (FRP) Panels, 3/32" thick, 48" wide x full height required. Color: P100 White, Class A, pebbled matte surface texture. USDA approved for incidental food contact. 1. Panel trim: Extruded PVC, color matching panel color. Provide 1/2" x 1/2" inside corners, edge trim, and division moldings as required to complete the installation. a. Inside Corner - M350 a. Outside Corner - M360 b. Division - M365 c. Edge - M370 2. Panel trim: Stainless Steel, color matching panel color. Provide 1-1/2" x 1-1/2" outside corners as required to complete the installation. 3. Sealant: Marlite "Silicone Sealant", white gunnable silicone sealant. 4. Panel adhesive: Marlite "C-551" water-based construction adhesive for panel application over porous surfaces. C. Panel System: 'P2' Per Finish Schedule, Series: Standard FRP - "Marlite Class 1/A" Fiberglass Reinforced Polyester (FRP) Panels, 3/32" thick, 48" wide x full height required. Color: S100G White, smooth matte surface texture. USDA approved for incidental food contact. 1. Panel trim: Extruded PVC, color matching panel color. Provide division moldings as required to complete the installation. a. Edge - M370 2. Sealant: Marlite "Silicone Sealant", white gunnable silicone sealant. 3. Panel adhesive: Marlite "C-551" water-based construction adhesive for panel application over porous surfaces. D. Alternate panel spec: Color: S100 S/2/S White, smooth matte surface texture 3.1 Installation A. Install the FRP system products using panel adhesive in accordance with the manufacturer's instructions and layout as shown in drawings. 1. Install panels plumb, level, true and straight with no distortion; providing a continuous bead of silicone sealant in each joint and trim groove and between trim and adjacent construction. 2. Provide corner trim, closure trim at intersections of dissimilar materials and moldings at abutting panels.
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SECTION 07210 - BUILDING INSULATION

1.1 General: Provide building insulation as shown and specified.

2.1 Materials:

A. Extruded polystyrene foam rigid board insulation: Dow Chemical Co., 866-583-2583, internet www.dowbuildingmaterials.com

1. Type: Dow "Styrofoam" Type IV, 1.6 pcf minimum density, 25 psi compressive strength complying with ASTM C 578, R-value equal 5 per inch of thickness. Provide lengths and widths as required to coordinate with space insulated.

2. Perimeter foundation walls: Styrofoam SE, R-value indicated.

B. Glass fiber batt/blanket insulation: Owens Corning Corp., (800) 438-7465, internet www.owenscorning.com.

1. Type: Owens Corning "Thermal Batt" Type I unfaced glass fibers and binders formed into flexible blankets or batts complying with ASTM C665.. Provide lengths and widths required to coordinate with spaces insulated.

2. Exterior walls: Unfaced, R-value/thickness indicated

C. Vapor barrier membrane: Polyethylene, minimum 6 mils thick, complying with ASTM D 4397, maximum permeance rating of 0.13 perm.

1. Joint tape: Pressure sensitive tape designed for sealing joints and penetrations of above and below grade vapor barrier sheets.

2. Mounting tape: Double-faced pressure sensitive tape suitable for mounting vapor barriers to steel framing.

3.1 Installation:

A. General:

1. Install insulation in accordance with manufacturer's recommendations for conditions of installation indicated. Install insulation in single layer of required thickness over entire area to be insulated. Cut and fit tightly around obstructions. Fill all voids.

2. Install exterior wall insulation continuous behind electrical boxes, conduit, piping and ductwork.

B. Foundation perimeter walls and slabs:

1. Install rigid foam insulation vertically from top of slab to frost line or horizontally under slabs, extending a minimum 36" in from exterior walls.

2. Protect insulation from displacement and damage during backfilling and slab placement

C. Exterior Walls:

1. Install batt/blanket insulation full height at exterior wall framing. Use blanket widths and lengths that fill cavities formed by framing members and provide a friction fit between edges of insulation and metal framing members.

2. Provide galvanized wire mesh or metal strapping to provide supplementary support when required to maintain insulation in permanent proper location.

D. Vapor Barriers:

1. Install a single layer of vapor barrier membrane over the interior of exterior metal wall framing after installation of insulation. Secure with double faced tape at wall framing.

2. Provide single unspliced material height. Horizontal joints not acceptable. Minimize vertical joints. Lap vertical joints and secure in place with joints taped. Provide tape sealed contact with door frames, window frames, piping, conduit, ductwork, registers and the vapor barrier.

3. Seal all cuts and penetrations of vapor barrier membrane with tape before installing surface finishes.

SECTION 07250 - WEATHER BARRIERS

1.1 Section Includes

A. Weather barrier membrane

B. Seam Tape

C. Flashing

D. Fasteners

1.2 References

A. ASTM International

1. ASTM C920; Standard Specification for Elastomeric Joint Sealants

2. ASTM C1193; Standard Guide for Use of Joint Sealants

3. ASTM D882; Test Method for Tensile Properties of Thin Plastic Sheeting

4. ASTM D1117; Standard Guide for Evaluating Non-woven Fabrics

5. ASTM E84; Test Method for Surface Burning Characteristics of Building Materials

6. ASTM E96; Test Method for Water Vapor Transmission of Materials

7. ASTM E1677; Specification for Air Retarder Material or System for Framed Building Walls.

8. ASTM E2178; Test Method for Air Permeance of Building Materials

B. AATCC - American Association of Textile Chemists and Colorists

1. Test Method 127 Water Resistance: Hydrostatic Pressure Test

C. TAPPI

1. Test Method T-410; Grams or Paper and Paperboard (Weight per Unit Area)

2. Test Method T-460; Air Resistance (Gurley Hill Method)

1.3 Quality Assurance

A. Qualifications

1. Installer shall have experience with installation of commercial weather barrier assemblies under similar conditions.

2. Installation shall be in accordance with weather barrier manufacturer's installation guidelines and recommendations.

3. Source Limitations: Provide commercial weather barrier and accessory materials produced by single manufacturer.

B. Quality Assurance:

1. System components:

a. Produced by a single manufacturer or by manufacturers approved by the EIFS system manufacturer.

b. Fire performance: Flame spread of 25 or less, smoke developed of 450 or less when tested in accordance with ASTM E84.

2. Installer Qualifications: Performed by the system manufacturer or an applicator trained and approved by the system manufacturer. During application, the work shall be inspected by system manufacturer's representative.

C. Environmental conditions: Comply with manufacturer's requirements. Do not install materials during wet or freezing weather.

2.1 Materials

A. Manufacturer: STO Corp., P: (800) 221-2397, internet www.stocorp.com
Strategic Accounts Manager: Ray Redmond, P: (616) 437-2230, rredmond@stocorp.com

B. Exterior insulation and finish system: Sto Class PB "StoTherm CI" EIFS.

1. Air/Moisture barrier: Sto Guard system.

a. Sto RapidGuard for rough opening protection, sheathing joints and inside and outside corners.

b. Sto Guard Mesh: Coated glass fiber fabric reinforcing mesh.

c. Sto Gold Coat: Waterproof Fluid Applied Air/Moisture Barrier

2. Primer/adhesive and base coat: Sto Primer/Adhesive-B, one-component, polymer modified, cement -based factory blended primer/adhesive used to attach insulation board to prepared sheathing substrates and as a base coat in Essence claddings.

3. Insulation board: ASTM C578 Type 1, nominal 1.0 lb/ft³ expanded polystyrene meeting EIMA Guideline specifications for EPS insulation board.

4. Finish coating: Sto Essence DPR, ready-mixed 100% acrylic-based, textured wall coating.

a. Medium/Fine Sand Finish.

b. Color as indicated on the Architectural drawings from manufacturer's full color range or match custom color.

5. System warranty: 10 year labor and material.

C. Portland cement: ASTM C150, Type I or II, white or gray in color.

D. Water: Clean, potable and free of foreign matter.

E. Reinforcing mesh: Sto open-weave glass fiber fabric with alkaline resistant coating.

1. Standard mesh: Sto Mesh, nominal 4.5 oz/yd² fabric.

2. Ultra-High impact mesh: Sto Armor Mat, nominal 15 oz/yd² ultra-high impact fabric.

3. Specialty mesh:

a. Sto Detail Mesh, nominal 4.2 oz/yd² flexible, symmetrical, interlaced glass fiber fabric.

b. Sto Corner Mat, nominal 7.8 oz/yd² pre-creased, heavy-duty, glass fiber fabric.

F. Joint sealants: StoSeal STPE Sealant complying with ASTM C920 and Section 07900 requirements.

1. Adhesion: Evaluated in accordance with ASTM C1382.

2. Color: Matching EIFS finish coating color, and visually acceptable to the Architect.

G. Accessories: Provide plastic stops and trim where indicated. Materials shall be compatible with EIFS materials and acceptable to EIFS manufacturer.

1. Starter Track: Rigid PVC plastic track with weepholes and drip edge.

3.1 Mixing

A. Mix materials in accordance with manufacturer's published instructions.

1. Mix with a clean, rust-free high speed mixer to a uniform consistency.

2. No rapid binder, anti-freeze or accelerator additives permitted.

4.1 Installation

A. Preparation:

1. Coordinate installation of roofing membrane, windows, doors and other wall penetrations to provide a continuous exterior wall air/moisture barrier.

2. Coordinate installation of windows, doors and window and door flashing to provide continuous exterior wall air/moisture barrier.

3. Install copings and joint sealants immediately after installation of the EIFS, when EIFS coatings are dry.

B. Installation: Install Sto Guard air/moisture barrier system and exterior insulation and finish system (EIFS) in strict accordance with manufacturer's installation instructions, complying with governing regulations and industry standards applicable to the work.

1. Back wrap exposed board edges with mesh.

2. Provide double wrap or corner mat reinforcing at all inside and outside corners.

3. Provide expansion joints in accordance with manufacturer's recommendations for type of substrates and systems required, and visually acceptable to the Architect.

4. Provide drainable starter track horizontal edge trim as base of wall, above windows and doors openings and beneath windows with concealed flashing.

C. Insulation and adhesive application:

1. Install insulation board with long edge horizontal using running bond pattern. Off set insulation joints with substrate joints. Stagger joints and interlock joints at corners.

2. Apply adhesive to insulation board to a uniform 1/8 inch thickness, including high impact mesh where indicated. Embed standard reinforcing mesh into wet adhesive, lap edges at seams. Smooth surface until mesh is not visible. Allow to base coat to dry.

3. Ultra-High impact mesh: Apply base coat over insulation board to a uniform 1/8 inch thickness. Fully embed ultra-high impact reinforcing mesh into wet adhesive, butt edges at seams. Smooth surface until mesh is not visible. Allow to base coat to dry. Locate at 4'-0" wide perimeter of the rear service door to 6'-0" above grade and as indicated on Architectural drawings.

E. Apply finish coating continuously in one operation to the entire wall surface Provide a uniform finished appearance. Level and texture to the specified finish texture.

F. Install joint sealants at perimeter joints and joints within the system using elastomeric joint sealants, in accordance with drawing details and sealant manufacturer's recommendations.

SECTION 07240-EXTERIOR INSULATION AND FINISH SYSTEM (EIFS)

1.1 Section Includes

A. Weather barrier membrane

B. Seam Tape

C. Flashing

D. Fasteners

1.2 References

A. ASTM International

1. ASTM C920; Standard Specification for Elastomeric Joint Sealants

2. ASTM C1193; Standard Guide for Use of Joint Sealants

3. ASTM D882; Test Method for Tensile Properties of Thin Plastic Sheeting

4. ASTM D1117; Standard Guide for Evaluating Non-woven Fabrics

5. ASTM E84; Test Method for Surface Burning Characteristics of Building Materials

6. ASTM E96; Test Method for Water Vapor Transmission of Materials

7. ASTM E1677; Specification for Air Retarder Material or System for Framed Building Walls.

8. ASTM E2178; Test Method for Air Permeance of Building Materials

B. AATCC - American Association of Textile Chemists and Colorists

1. Test Method 127 Water Resistance: Hydrostatic Pressure Test

C. TAPPI

1. Test Method T-410; Grams or Paper and Paperboard (Weight per Unit Area)

2. Test Method T-460; Air Resistance (Gurley Hill Method)

1.3 Quality Assurance

A. Qualifications

1. Installer shall have experience with installation of commercial weather barrier assemblies under similar conditions.

2. Installation shall be in accordance with weather barrier manufacturer's installation guidelines and recommendations.

3. Source Limitations: Provide commercial weather barrier and accessory materials produced by single manufacturer.

1.4 Delivery, Storage and Handling

A. Refer to Section 01400 Quality Requirements.

B. Deliver weather barrier materials and components in manufacturer's original, unopened, undamaged containers with identification labels intact.

C. Store weather barrier materials as recommended by weather barrier manufacturer.

1.5 Scheduling

A. Review requirements for sequencing of installation of weather barrier assembly with installation of windows, doors, louvers and flashings to provide a weather-tight barrier assembly.

B. Schedule installation of weather barrier materials and exterior cladding within 9 months of weather barrier assembly installation.

2.1 Manufacturer

A. DuPont Building Innovations; 4417 Lancaster Pike, Chestnut Run Plaza 721, Wilmington, D19805; 1.800.447TYVEK (E-9835); http://constructiontyvek.com
Alternate: STO Corp., P: (800) 221-2397, internet www.stocorp.com

2.2 Materials

A. Basis of Design: Hi-performance, spunbonded polyolefin, non-woven, non perforated, weather barrier is based upon DuPont Tyvek CommercialWrap and related assembly components.
Alternate: StoGuard System, See Section 07240

B. Performance Characteristics:

1. Air Penetration: 0.001 CFM/feet squared at 75 Pa, when tested in accordance with ASTM E2178. Type I per ASTM E1677.

2. Water Vapor Transmission: 28 perms, when tested in accordance with ASTM E96 Method B.

3. Water Penetration Resistance: 280 cm when tested in accordance with AATCC Test Method 127.

4. Basis Weight: 2.7 oz/yard squared, when tested in accordance with TAPPI Test Method T-410.

5. Air Resistance: Air Infiltration at >1500 seconds, when tested in accordance with TAPPI Test Method T-460.

6. Tensile Strength: 38/35 lbs/inch, when tested in accordance with ASTM D882, Method A.

7. Tear Resistance: 12/10 lbs., when tested in accordance with ASTM D1117.

8. Surface Burning Characteristics: Class A, when tested in accordance with ASTM E 84. Flame Spread: 10, Smoke Developed: 10.

2.3 Accessories

A. Seam Tape: 3 inch wide, DuPont Tyvek Tape for commercial applications.

2.4 Fasteners:

1. For steel frame construction - DuPont Tyvek Wrap Cap Screws, as manufactured by DuPont Building Innovations: 1-5/8" rust resistant screw with 2-inch diameter plastic cap or manufacturer approved 1-1/4" or 2" metal gasketed washer.

2. For wood frame construction - Tyvek Wrap Caps, as manufactured by DuPont Building Innovations: #4 nails with large 1-inch plastic cap fasteners.

3. For masonry construction - masonry tap-con fasteners with Tyvek Wrap Caps as manufactured by DuPont Building Innovations: 2 inch diameter plastic cap fasteners.

2.5 Adhesives:

1. Provide adhesive recommended by weather barrier manufacturer.

2. Products:

a. Liquid Nails LN-109

b. Polyglaze SM 5700

c. Denso Butyl Liquid

d. 3M High Strength 90

e. SIA 665

f. Adhesives recommended by the weather barrier manufacturer.

2.6 Primers:

1. Provide flashing manufacturer recommended primer to assist in adhesion between substrate and flashing.

2. Product:

a. 3M High Strength 90

b. Denso Butyl Spray

c. SIA 655

d. Permagrip 105

e. ITW TACC Sta' Put SPH

f. Primers recommended by the flashing manufacturer.

2.7 Flashing:

1. DuPont FlexWrap, as manufactured by DuPont Building Innovations: flexible membrane flashing materials for window openings and penetrations.

2. DuPont StraightFlash, as manufactured by DuPont Building Innovations: straight flashing membrane materials for flashing windows and doors and sealing penetrations such as masonry ties, etc.

3. DuPont StraightFlash VF, as manufactured by DuPont Building Innovations: dual-sided straight flashing membrane materials for brick mold and non-flanged windows and doors.

3.1 Examination

A. Verify substrate and surface conditions are in accordance with weather barrier manufacturer recommended tolerances prior to installation of weather barrier and accessories.

3.2 Installation - Weather Barrier

A. Install weather barrier per regional requirements in accordance with manufacturer recommendations.

B. Install weather barrier prior to installation of windows and doors.

C. Start weather barrier installation at a building corner, leaving 6-12 inches of weather barrier extended beyond corner to overlap.

D. Install weather barrier in a horizontal manner starting at the lower portion of the wall surface with subsequent layers installed in a shingling manner to overlap lower layers. Maintain weather barrier plumb and level.

E. Sill Plate Interface: Extend lower edge of weather barrier over sill plate interface 3-6 inches. Secure to foundation with elastomeric sealant as recommended by weather barrier manufacturer.

F. Window and Door Openings: Extend weather barrier completely over openings.

G. Overlap weather barrier

1. Exterior corners: minimum 12 inches.

2. Seams: minimum 6 inches.

H. Weather barrier Attachment:

1. For steel or wood frame construction - Attach weather barrier to studs through exterior sheathing. Secure using weather barrier manufacturer recommended fasteners, space 12-18 inches vertically on center along stud line, and 24 inch on center, maximum horizontally.

2. For masonry construction - Attach weather barrier to masonry. Secure using weather barrier mfr recommended fasteners, spaced 12-18 inches vertically on center and 24 inches maximum horizontally. Weather barrier may be temporarily attached to masonry using recommended adhesive, placed in vertical strips spaced 24 inches o.c., when coordinated on the project site.

3. Apply 9 inch by 7 inch piece of DuPont StraightFlash to weather barrier membrane prior to the installation cladding anchors.

3.3 Seaming

A. Seal seams of weather barrier with seam tape at all vertical and horizontal overlapping seams.

B. Seal any tears or cuts as recommended by weather barrier manufacturer.

3.4 Opening Preparation (for use with non-flanged windows - all cladding types)

A. Flush cut weather barrier at edge of sheathing around full perimeter of opening.

B. Cut a head flap at 45-degree angle in the weather barrier at window head to expose 8 inches of sheathing. Temporarily secure weather barrier flap away from sheathing with tape.

3.5 Flashing (for use with non-flanged windows - all cladding types)

A. Cut 9-inch wide DuPont FlexWrap a min of 12 inches longer than width of sill rough opening. Apply primer as required by mfr.

B. Cover horizontal sill by aligning DuPont FlexWrap edge within side edge of sill. Adhere to rough opening across sill and up jams a minimum of 6 inches. Secure flashing tightly into corners by working in along the sill before a adhering up the jams.

C. Fan DuPont FlexWrap at bottom corners onto face of wall. Firmly press into place. Mechanically fasten fanned edges.

D. Apply 9-inch wide strips of DuPont StraightFlash at jams. Align flashing with interior edge of jamb framing. Start DuPont StraightFlash at head of opening and lap sill flashing down to the sill. Spray-apply primer to top 6 inches of jams and exposed sheathing.

E. Install DuPont FlexWrap at opening head using same installation procedures used at sill. Overlap jamb flashing min 2 inches.

F. Coordinate flashing with window installation.

G. On exterior, install backer-rod in joint between window frame and flashed rough framing. Apply sealant at jams and head. leaving sill unsealed. Apply sealants in accordance with sealant manufacturer's instructions and ASTM C 1193.

H. Position weather barrier head flap across head flashing. Adhere using 4-inch wide DuPont StraightFlash over the 45-degree seams.

I. Tape top of window in accordance with manufacturer recommendations.

J. On interior, install backer rod in joint between frame of window and flashed rough framing. Apply sealant around entire window to create air seal. Apply sealant in accordance with sealant manufacturer's instructions and ASTM C 1193.

3.6 Protection

A. Protect installed weather barrier from damage.

CONSULTANT:



CHIPOTLE MEXICAN GRILL, INC.
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PROJECT INFORMATION:

STORE NO.: 5326

"GREENFIELD WI"

8515 SURA LANE

GREENFIELD, WI 53228

REVISIONS:

1

11/22/2024

BID SET

TITLE:

ARCHITECTURAL
SPECIFICATIONS

SHEET NUMBER:

G012

SECTION 07512 - ROOFING SYSTEM REPAIR

1.1 General: When penetration of the existing roofing system is required to accommodate new construction, perform necessary roofing system repair.

- A. Coordination: Before starting work, verify with the Tenant's Construction Manager and the Owner the following:
- Existing roof system materials and installation methods.
 - Repair work responsibilities and warranty requirements. To maintain original warranty, where provided use original roof contractor.
- B. Qualifications: Repair work shall be performed only by an experienced roofing installer approved or licensed by the existing roofing system materials manufacturer; with not less than five years of successful experience installing and repairing roofing systems similar to this projects existing roofing system.

2.1 Materials:

- A. Provide and install only materials approved and recommended by the roofing manufacturer for repairing the existing roofing system.

3.1 Installation:

- A. Preparation: Inspect roof surface conditions with roof manufacturer's representative to verify extent and location of any other repairs required to ensure a watertight roofing system upon completion of the repair work.
- B. Make necessary repairs. Match existing roof slope, insulation materials and roofing membrane materials, except as otherwise approved by the existing roofing system manufacturer to accommodate new construction and repair work.
- C. Install curb flashing furnished by mechanical and electrical trades for new roof top equipment.

SECTION 07540 - THERMOPLASTIC MEMBRANE (PVC) ROOFING

1.1 General: Provide the thermoplastic membrane (PVC) roofing system as shown and specified.

- A. Standards: Materials and construction shall conform to following:
- ASTM D5036 "Application of Adhered Poly(Vinyl Chloride) Sheet Roofing."
 - FM 1-29 Loss Prevention Data Adhered or Mechanically Attached Single Ply Membrane Roof Systems."
 - NRCA "Single-Ply Roofing Membrane."
 - UL "790 - Tests for Fire Resistance of Roof Covering Materials."

B. Installer Qualifications: An experienced roofing installer approved by roofing system manufacturer and with not less than five years of successful experience installing membrane roofing systems similar to those required for this project.

- C. Deliver, store and handle roof system materials in accordance with manufacturer's recommendations to avoid damage and deterioration.
- Comply with manufacturer's recommendations for handling and protection during installation.

D. Install roofing work only when weather conditions are in compliance with manufacturer's specific environmental requirements and conditions will permit work to be performed in accordance with manufacturer's recommendations and warranty requirements.

- Protect adjacent materials and surfaces from damage and soiling during roofing system installation.
- Provide special protection on completed roofing work.
- Protect paving and structure walls adjacent to hoists before starting work.
- Do not overload the building structure with storage of materials or installation equipment on the substrate decking.

E. Warranty

- Contractor and roof system installer shall jointly warrant roofing materials and installation for a period of two years from the date of Substantial Completion. Warranty shall include roofing membrane, flashing, roof insulation, roofing accessories and sheet metal work provided under Section 07600.
- Manufacturer's warranty: Submit executed copy of roofing system manufacturer's 15 year total system warranty, including labor and materials for the entire roof system. Including perimeter edge metal, Section 07600 Flashing & Sheet Metal

2.1 Materials

- A. Manufacturer: Duro-Last Roofing, Inc. (800)248-0280, Austin Russell, austin.russell@holcim.com, www.duro-last.com
- Basis of Design Product Roofing System
 - Thermoplastic single ply membrane roofing system: DL Membrane (PVC) fully adhered, smooth surface, UL Class A fire-rated single ply membrane roofing system.
 - Thermoplastic fiber reinforced PVC membrane, not less than 40 mils (.040), complying with ASTM D4434 and membrane manufacturer's published physical properties.

- B. Comparable Alternate Roof Manufacturers:
- Versico Roofing Systems, (480) 528-6923, Jeff Kelly, jeff.kelly@versico.com
 - Versiflex PVC Adhered System
 - Other comparable alternates can be considered when approved by Arch PM and Chipotle DM/CM.

- C. The roof covering design must resist a wind load of 100 mph, Exposure C and shall resist impact damage based on results of tests based on the results of tests conducted in accordance with ASTM D 3746, ASTM D 4272, CGSB 37-GP-52M or FM 4470
- Insulation cover board: Georgia-Pacific Corp. (800) 284-5347, internet www.gp.com, "Dens-Deck" nonstructural fiberglass-faced, silicone-treated gypsum core panels, 1/2" thickness.
 - Roof insulation: Rigid closed cell polyisocyanurate boards approved by the membrane manufacturer; complying with ASTM C1289, Type II, minimum 20 psi compressive strength, aged R-value equal 5.6 per inch of thickness.
 - Provide a double layer installation. Minimum total R-value as indicated on plans.
 - Specified perimeter edge metal shall be compliant with International Building Code ANSI / SPRI ES-1, ER2 testing requirements.
 - Flashing: Roof system manufacturer's standard sheet flashing of same material, type, and color as sheet membrane. Specified perimeter edge metal will be compliant with International Building Code ANSI / SPRI ES-1, RE2 testing requirements.
 - Membrane Bonding Adhesive: Roof system manufacturer's standard membrane bonding adhesive.
 - Insulation and Cover Board Adhesive: Dow Chemical Company, (888) 868-1183, internet www.flexibeproducts.com, "INSTA-STIK Professional Roof Insulation Adhesive", a single component, moisture cured polyurethane adhesive.
 - Fasteners: Roof system manufacturer's standard fasteners for project conditions indicated.
 - Accessories: Roof system manufacturer's recommended pourable sealers, preformed penetration flashing, preformed corner flashing, seam caulk, termination bars and other accessories required for substrate surfaces and installation conditions indicated.
 - Traffic walkways: Duro-Last Roof Track II walkway pads.3.1 Installation

3.1 Installation

- A. Preparation:
- Clean substrate surfaces of debris and other substances detrimental to roofing installation.
 - Correct unsatisfactory conditions before starting roofing. Roof deck surface conditions shall comply with manufacturer's requirements and be acceptable to the roofing system installer.
- B. Installation:
- General: Provide roofing system materials and installation complying with roofing system manufacturer's instructions and governing codes and regulations.
 - Mix and apply roof insulation and cover board adhesive in strict accordance with the adhesive manufacturer's installation instructions. Dispense adhesive at manufacturer's recommended application rate using approved dispensing equipment.
 - Roof insulation
 - Extend insulation full thickness over entire surface to be insulated. Cut and fit around obstructions; fill all voids with insulation. Provide saddles and tapered edges as required to provide positive proper drainage.
 - Install and secure in place with insulation adhesive, a double layer of insulation units of the required thickness. Run long joints of insulation in continuous straight lines, perpendicular to roof slope, with end joints staggered between rows. Stagger joints of each layer of insulation. Butt edges to moderate contact. Limit joints between adjacent units to maximum 1/4".
 - Insulation cover board: Install and secure in place with insulation adhesive a single layer of insulation cover board on installed roof insulation. Secure cover board in accordance with membrane manufacturer's recommendations. Stagger joints with joints of roof insulation.

- Thermoplastic membrane: Comply with membrane manufacturer's instructions and recommendations for handling and installing single ply membrane roofing.
 - Unroll and position roofing sheet membrane without stretching. Align top sheet with pr-marked lines on bottom sheet. Allow membrane to "relax" for at least 30 minutes before adhering, splicing and flashing.
 - Adhere membrane to insulation cover board with bonding adhesive. Broom bonded membrane to achieve maximum contact.
 - Join membrane seams using approved heat welding equipment. Check all splices for voids and repair voids with heat gun and roller.
 - When required, mechanically fasten membrane at roof perimeter, curb flashing and similar penetrations in accordance with manufacturer's installation instructions.
 - Flash and make weathertight all equipment curbs, pipes, conduits, drains and other penetrations or projections through sheet roofing using roofing system manufacturer's recommended flashing materials, accessories and procedures.
- Install roof accessories and traffic walkways in accordance with manufacturer's instructions.
- Install sheet metal work furnished under section 07600.

SECTION 07600 - FLASHING AND SHEET METAL

General:

- A. Standards: Materials and construction shall conform to following:
- SMACNA "Architectural sheet Metal Manual- 1993."
 - Installation: Performed under Section 07540 work.

1.1 Pre-manufactured perimeter edge metal and accessories

- Manufacturer: Duro-Last Roofing / Exceptional Metals, Inc. (800) 248-0280, Jason Dark, www.Duro-Last.com
- Duro-Last / Exceptional Metals Snap Coping made of 24-gauge galvalume, cover provided with Kynar architectural finish providing a 35 year finish warranty. Meets ANSI/SPRI ES-1 2003 method RE-2 testing requirements. (Color - Refer to Exterior Elevations)
 - Duro-Last / Exceptional Metals Vinyl backed scupper. Scupper profile & size indicated Fig 1-20.

1.2 General: Miscellaneous sheet metal

- A. Standards: Materials and construction shall conform to following:
- SMACNA "Architectural sheet Metal Manual- 1993."
 - Installation: Performed under Section 07540 work.

2.1 Materials:

- Galvanized steel: ASTM A653 commercial quality sheet steel with 0.2% copper, G90 hot-dip galvanized. Gage indicated.
 - Scuppers: Minimum 16 gage.
 - Coping/Wall caps: Minimum 18 gage.
- Aluminum sheet: ASTM B209 alloy 3003, temper as required for forming and performance. Thickness indicated.
 - Conductor Boxes: Minimum 0.040"thickness.
 - Downspouts: Minimum 0.025"thickness.
- Joint sealers: One-component silicone elastomeric joint sealant complying with ASTM C920. Color matched to sheet metal finish.
- Metal accessories: Provide sheet metal fasteners, clips, straps, anchoring devices and similar accessory units as required for installation of work, matching or compatible with material installed, non-corrosive, size and gage as required for performance and acceptable to the Architect.
- Fabrication: Shop fabricate sheet metal work to comply with profiles and sizes indicated and to comply with standard industry standards as shown by SMACNA in the "Architectural Sheet Metal Manual."
 - Conductor boxes: SMACNA Chapter 1 - Roof Drainage Systems. Profile and size indicated Fig 1-25.
 - Scuppers: SMACNA Chapter 1 - Roof Drainage Systems. Profile and size indicated Fig 1-20.
 - Downspouts: SMACNA Chapter 1 - Roof Drainage Systems. Profile and size indicated. Installation Fig. 1-31 with strap hanger Fig. 1-35.
 - Formed coping/wall caps: SMACNA Chapter 3 - Copings. Design Fig 3-1. Profile and size indicated with Fig. 3-3 butt joints and concealed back-up plates. Install formed copings with continuous clad fasteners similar to Fig 3-1 at exposed face and screw fasteners with washers space maximum 24" on center at roof side.

3.1 Installation:

- A. Preparation: Coordinate sheet metal work with other work for the correct sequencing of items which make up the entire roof system of weatherproofing and rain drainage:
- B. Installation: Comply with SMACNA "Architectural Sheet Metal Manual" recommendations, drawing details and approved shop drawings for installation of the work.
- Anchor sheet metal items securely in place by methods indicated, providing for thermal expansion. Conceal fasteners and expansion provisions whenever possible. Install joint sealants where required.
 - Set units true to lines and levels indicated. Install work with sealed laps, joints and seams that will be permanently watertight and weatherproof. Bed flanges of sheet metal work in thick coat of roofing cement or sealant compatible with roofing membrane.
 - Separate sheet metal work from dissimilar metals and treated wood materials. Provide rosin-sized paper slip sheet over treated wood.
 - Fabricate, support and anchor conductor boxes and downspouts to withstand thermal expansion, stresses and full loading by ice or water without damage, deterioration or leakage.

SECTION 076113 - SHEET METAL WALL PANELS

1.1 General:

- A. Standards:
- Furnish all labor, material, tools, equipment and services for all preformed fascia and wall panels as indicated, in accord with provisions of Contract Documents.
 - Completely coordinate with work of all other trades.
 - Although such work is not specifically indicated, furnish and install all supplementary or miscellaneous items, appurtenances and devices incidental to or necessary for a sound, secure and complete installation.
- B. Related work specified elsewhere:
- Structural steel: Section 05100
 - Steel joists: Section 05200 or 05400
 - Flashing and sheet metal: Section 07600

1.2 Quality Assurance:

- A. Applicable standards:
- SMACNA: "Architectural Sheet Metal Manual" Sheet Metal and Air Conditioning Contractors National Association, Inc.
 - AISC: "Steel Construction Manual" American Institute of Steel Construction.
 - AISI: "Cold Form Steel Design Manual: American Iron and Steel Institute.
 - ASTM A792-83-A250: Specifications for steel sheet, aluminum-zinc alloy coated (galvanized) by the hot dip process, general requirements (Galvalume).
- B. Manufacturer's qualifications:
- Manufacturer has a minimum of three years experience in manufacturing metal wall systems of this nature. Panels specified in this section shall be produced in a factory environment (not job site roll formed) with fixed base roll forming equipment assuring the highest level of quality control. A letter from the manufacturer certifying compliance will accompany the product material submittals.

1.3 Product Delivery, Storage and Handling

- A. Delivery: Deliver metal wall system to job site properly packaged to provide protection against transportation damage.
- B. Handling: Exercise extreme care in unloading, storing and erecting metal wall system to prevent bending, warping, twisting and surface damage.
- C. Storage: Store all materials and accessories above ground on well skidded platforms. Store under waterproof covering. Provide proper ventilation of metal wall system to prevent condensation build up between each panel or trim/ flashing component.

2.1 Materials

- A. Metal wall system profile:
- Shadow Rib: 3 inch deep x 16 inch width with 1 1/2 inch deep x 5 1/4 inch wide fluting
- B. Metal wall system style:
- Fluted face
 - Concealed fasteners
- C. Gauge: 24 gauge
- D. Substrate: Per Plans
- E. Texture: Smooth
- F. Finish: Premium thermoset silicone polyester (20 year warranty)
- G. Color: Polar White, to be painted per Exterior Elevations
- H. Acceptable Manufacturer: MBCI Houston, Texas (281) 445-8555.

3.1 Surface Conditions

A. Examination:

- Inspect installed work of other trades and verify that such work is complete to a point where this work may continue.
- Verify that installation may be made in accordance with approved shop drawings and manufacturer's instructions.

3.2 Installation

- A. Install metal wall system so that it is weathertight, without waves, warps, buckles, fastening stresses or distortion.
- B. Install metal wall system in accordance with manufacturer's instructions and shop drawings.
- C. Provide concealed anchors at all panel attachment locations.
- D. Install panels plumb, level and straight with seams parallel, conforming to design as indicated.

3.3 Cleaning, Protection

- A. Dispose of excess materials and remove debris from site.
- B. Clean work in accordance with manufacturer's recommendations.
- C. Protect work against damage until final acceptance. Replace or repair to the satisfaction of the architect and work that becomes damaged prior to final acceptance.
- D. Touch up minor scratches and abrasions.

3.4 Field Painting

- A. Refer to section 09900 on G017
- B. Follow manufacturer's technical bulletin for Precoated Signature 200 MBCI wall panels.

Section 07900 – JOINT SEALERS

1.1 General: Provide joint sealers as shown and specified.

- A. Standards: Comply with ASTM C 920 requirements.

- B. Application: Performed by skilled, experienced joint sealer applicators.

2.1 Materials:

- A. Poly urethane sealants:
- Tremco Commercial Sealants (800) 321-7906, internet www.tremcosealants.com,
 - "Dymonic FC" One component, fast skinning, Low Modulus Polyurethane.
 - "Dymeric 240 FC" Multi Component, gun grade, chemically curing, tintable fast setting polyurethane sealant.
 - Sonneborn, (724) 756-9582, internet www.sonneborn.com
 - Color pack for polyurethane multi component, gun grade chemically curing sealant.
- B. Silicone Sealants:
- General Electric Silicones, (800) 295-2392, internet www.gesilicones.com
 - "SCS1700 Sanitary – Mold/Mildew Resistant Silicone", one component 100% silicone, fungicidal based sealant.
 - "SCS2700 Silpruf Silicone" one component medium modulus, natural cure silicone all purpose sealant.
 - "Silglaze II SCS2800- Glazing Sealant" one component, 100% silicone based sealer.
 - "GE Paintable Silicone" one component paintable silicone.
 - "SCS1009 Silicone Sealant" one-component acetoxy silicone for general purpose sealing and bonding
 - Dow Corning Silicones, (989)496-4000, www.dowcorning.com
 - "Dow 795" – one component, medium modulus, natural cure silicone.
- C. Firestripping Sealants: 3M Fire Protection Products, (800) 328-1687, internet www.3M.com/firstop
- "3M Fire Barrier CP 25WB+ Caulk" or approved equal
- D. Joint backing: Non-absorptive, non-staining compressible, non-gassing, polyethylene foam backer rod compatible with joint sealants.

3.1 Installation:

- A. Preparation: Clean and prepare joints prior to installing sealers:
- Wipe shipping oils from surfaces to be sealed. Remove protective films and/or install joint backer rod if joint is larger than 1/4" in width.
- B. Installation: Install joint sealant materials in strict accordance with manufacturer's installation instructions.
- Apply sealants in a uniform, continuous bead without gaps or air pockets. Hand tool and finish all joints so that a smooth, small, lip free uniform line is created along the substrate being shot. Remove any excess materials from tooled edges and ends of joint.
 - Install joint sealants to a depth no more than 1/2 the width of the joint.
 - Install sealants by proven techniques that result in sealants directly contacting and fully wetting joint substrates, completely filling recesses provided for each joint configuration, and providing uniform, cross-sectional shapes and depths relative to joint widths which allow optimum sealant movement capability.
 - Immediately, after sealant application, and prior to time skinning or curing begins, tool sealants to form smooth, uniform beads of configuration indicated to eliminate air pockets, and to ensure contact and adhesion of sealant with sides of joint. Remove excess sealants from surfaces adjacent to joint. Do not use tooling agents which discolor sealants or adjacent surfaces or are not approved by sealant manufacturer.
 - Clean off excess sealants or sealant smears adjacent to joints as work progresses by methods and with cleaning materials approved by manufacturers of joint sealers and of products in which joints occur.

4.1 Sealant Schedule:

- A. Kitchen Area:
- Provide a continuous bead of white GE SCS1700 silicone at the following locations:
 - Ceiling grid to FRP wall panels
 - Base of FRP wall panels to T.O. specified base material.
 - Walk in cooler walls to FRP wall panels.
 - Stainless closure pieces at cooler walls to FRP wall panels.
 - FRP/stainless corner guards to FRP wall panels.
 - Ceiling tile pipe penetrations.
 - Wall pipe penetrations and/or escutcheons perimeters. (water & gas lines).
 - Mop sink stainless surround perimeter to walls.
 - FRP closure panel, at top of cooler, to cooler walls.
 - FRP wall panels to hollow metal door frames.
 - Coke line bundle to PVC cap.
 - FRP inside corner pieces to FRP wall panels. Both sides of corner piece.
 - Battery backup cover panel to FRP.
 - Faucet's to FRP wall panels.
 - FRP wall panels to quarry tile cove base.
 - FRP to aluminum plate at walk thru.
 - Menu board light bracket to ceiling.
 - Mop sink base at quarry tile.
 - All sinks (multi-compartment, hand, mop and prep) to FRP/tile walls.
 - Paper towel dispensers & soap dispensers to FRP/tile walls.
- Provide a continuous bead of aluminum GE SCS1009 silicone at the following locations:
 - Stainless closer pieces, at sides of cooler walls - to cooler walls.
 - Stainless or aluminum plate closure pieces to diamond plate at cooler walls.
 - Diamond plate panel seam joints.
 - Diamond plate perimeter to cooler walls.
 - Base of diamond plate to quarry tile cove base.
 - Stainless closure panel, at top of cooler walls, to cooler walls.
 - Top of quarry tile cove base to cooler walls at inside of cooler.
 - Cooler wall/diamond plate penetrations.
 - Cooler door hinges and handles to diamond plate. DO NOT caulk door locking unit.
 - Stainless mop surround to stainless corners on mop sink.
 - Base of stainless corner pieces to schluter strip at base.
 - Exit door threshold perimeters. To frame and floor, interior and exterior.
- Provide a continuous bead of dark gray GE SCS2000 silicone at the following locations:
 - Base of hollow metal door jambs to quarry tile floor.

B. Managers Office:

- Provide a continuous bead of white GE SCS1700 silicone at the following locations:
 - Ceiling grid to FRP wall panels.
 - Perimeter of manager's desk to FRP wall panels.
 - Hollow metal door frame to FRP wall panels.
 - Top and ends of coat hanger bracket to FRP walls.
 - Base of FRP wall panels to quarry tile base.
 - Ceiling tile wire/pipe penetrations.
 - FRP inside corners to FRP wall panels. Both sides of corner piece.
 - Base of FRP wall panels to quarry tile.

- Provide a continuous bead of black or light bronze (use color of safe) GE SCS2000 silicone at the following locations:
 - Base of safe to floor.

C. Cooking Area:

- Provide a continuous bead of white GE SCS1700 silicone at the following locations:
 - Top of wall tile to sheetrock ceiling.
 - Ceiling diffusers perimeters to sheetrock ceiling.
 - Ceiling pipe penetrations.
 - Wall tile to aluminum walk thru surround.
 - Tile wall penetrations/escutcheons perimeters.
 - FRP wall panels to sheetrock ceilings.
 - FRP wall panels to aluminum end wall plates.
 - FRP inside corners to FRP wall panels. Both sides of corner piece.
 - Sink to white wall tile.
 - Paper towel dispenser/soap dispenser to white tile.
 - POS/Serving counter to wall tile.
 - Stainless shelf behind grill to wall tile.
 - Faucets to ceramic wall tile.

- Provide a continuous bead of aluminum GE SCS1009 silicone at the following locations:
 - Joint between hood and closure skirt.
 - Joint between hood support and hood. Both sides.
 - Connection joint between stainless shelf behind grill.
 - Hood to tile walls & sheetrock ceiling.
 - Hood gusset to wall tile on both sides.
 - Sink to bronze wall tile.
 - Paper towel dispenser/soap dispenser to bronze tile.
 - DML counter to bronze tile.

- Provide a continuous bead of dark gray GE SCS2000 at the following locations:
 - Base of equipment to concrete curbs/quarry tile.

- Provide a continuous bead of bronze GE SCS2097 at the following locations:
 - Ceramic tile inside corners.
 - Ceramic tile to aluminum end wall plates.

D. Restrooms:

- Provide a continuous bead of white GE SCS1700 silicone at the following locations:
 - Top of FRP to sheetrock ceiling or top of FRP trim to sheetrock wall.
 - Perimeter of toilets/urinals to floor or FRP.
 - Perimeter of mirror to FRP.
 - Sink to wall.
 - Perimeter of paper towel/garbage unit to wall.
 - Toilet paper/napkin disposals units to walls.
 - Stainless shelf to wall.
 - Wall penetrations under sink and or escutcheons to perimeters.
 - Hollow metal door frames to FRP.
 - Base of FRP wall panels to top of wall base.
 - FRP inside corners to FRP wall panels.

- Provide a continuous bead of black GE SCS2000 silicone at the following locations:
 - Base of black rubber wall base to floor.

- Provide a continuous bead of dark gray GE SCS2000 silicone at the following locations:
 - Base of hollow metal door frames to floor.

E. Dining area:

- Provide a continuous bead of white GE SCS1700 silicone at the following locations:
 - Wall tile to sheetrock walls.
 - Perimeter of aluminum storefront/windows/entrances to sheetrock walls.
 - Wainscot wall panels (Stonewood or other) to painted walls.
 - Diffuser/louvers perimeters to sheetrock walls.
 - Hollow metal door frames to painted walls - if needed.
 - Frame of service line counter to tile (joint to be caulked behind front face panels of counter).
 - Wall tile at serving line wall to POS counter.
- Provide a continuous bead of black GE SCS2000 silicone at the following locations:
 - Base of black rubber to floor (concrete or quarry tile) and gyp. bd. wall.
 - Wainscot (Stonewood or other) wall panels to sill of aluminum storefront/ windows.
 - Vertical joints of wainscot (Stonewood or other) wall panels to frames/painted walls/tile (ONLY if joint is uneven or plywood is showing).
 - Stonewood panels at serve line.

- Provide a continuous bead of aluminum GE SCS1009 silicone at the following locations:
 - Base of garbage surround to floor.

- Provide a continuous bead of Dow 795 silicone at the following locations:
 - Sill of aluminum storefronts to concrete or tile floor. Color to be determined per store to match storefront (Charcoal/Anodized Aluminum/Dark Bronze).

F. Utensil Counter:

- Provide a continuous bead of aluminum GE SCS1009 silicone at the following locations:
 - Stainless countertop to backplash. Horizontal & vertical joints.
 - Base of Coke machine to countertop.
 - Perimeter of tea train tray to countertop.
 - Stainless backplash to white tile walls/painted walls.

- Provide a continuous bead of white GE SCS1700 silicone at the following locations:
 - Coke line bundle to PVC cap.

G. Fire Rated Walls:

- Provide a continuous bead of 3M 25WB+ at the following locations:
 - Wall/ceiling penetrations in rated walls.

H. Exterior Joints:

- Provide a continuous bead of Tremco Dymeric limestone urethane sealant at the following locations:
 - Sidewalk/concrete expansion joints.
- Provide a continuous bead of Dow 795 silicone or Tremco Dymeric 240 FC at the following locations:
 - Hollow metal door frames.
 - EIFS to abutting services.
 - Penetrations in EIFS.
 - Face brick or block control joints.
 - Perimeter of Aluminum Storefronts.*Colors to be determined per store to match adjacent material colors. Verify with Chipotle Construction Manager and Architect.
 - For "Fog" EIFS use Tremco - "Natural White"
 - For "Knight's Armor" EIFS use Sonneborn - "Charcoal Gray" #276-U
 - For white brick use Tremco - "China White"
- Provide a continuous bead of aluminum GE SCS1009 silicone at the following location:
 - CO2 fill port stainless box.
 - Faucet for hose. (Please note: color to be determined per store. Verify with Chipotle Construction Manager and Architect).

CONSULTANT:



CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
P.O. BOX 16266
COLUMBUS, OH 43216-2666
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PROJECT INFORMATION:

STORE NO.: 5326
"GREENFIELD WI"
8515 SURA LANE
GREENFIELD, WI 53228

SEAL:



December 20, 2024

MATTHEW M. WILKUS
LICENSE #12262-5
(EXPIRES 07/31/2026)

PROJECT NO. 2023-0549

DRAWN BY ABM

CHECKED BY DRL, CUG

ISSUE RECORD:

08/26/2024	PERMIT SET
11/22/2024	BID SET
12/20/2024	CONSTRUCTION SET

REVISIONS:

1 11/22/2024 BID SET

TITLE:

ARCHITECTURAL
SPECIFICATIONS

SHEET NUMBER:

G013

DIVISION 8 - DOORS AND WINDOWS		1.5 Submittals:	2.4 Glazing Systems:	2.12 Formed Metal Fabrications - Sheet Metal
SECTION 08110 - STEEL DOORS AND FRAMES				
1.1 General: Tenant to provide steel doors and frames as shown and specified.		A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, hardware, finishes, and installation instructions for each type of aluminum frame storefront system and storefront entrance doors indicated.	A. Glazing: As specified in Section 08800 - Glazing.	A. Closures, Trim, and Fill Panels: 1. Form Closures from type and thickness of metal indicated. 2. Conceal fasteners when possible. 3. Drill and tap holes for securing to other surfaces. 4. Provide gaskets where indicated or needed for continuous seal at adjacent surfaces. 5. Miter or cope at corners and reinforce with bent metal plate. Form tight joints.
A. Standards: Materials and construction shall conform to the following: 1. ANSI A250.8-2009 "Specifications for Standard Steel Doors and Frames." 2. ANSI A250.11-01 "Erection Instructions for Steel Frames." 3. SDI 122-99 " Installation for Standard Steel doors and Frames.		B. Shop Drawings: Include plans, elevations, sections, details, hardware, and attachments to work, operational clearances and installation details.	B. Glazing Gaskets: Manufacturer's standard compression types; replaceable, extruded EPDM rubber.	
B. Manufacturer: A member of the Steel Door Institute (SDI).		C. Samples for Initial Selection: For units with factory-applied color finishes including samples of hardware and accessories involving color section.	C. Spacers and Setting Blocks: Manufacturer's standard elastomeric type.	2.13 Materials
2.1 Materials:		1.6 Quality Assurance	E. Glazing Sealants: For structural-sealant-glazed systems, as recommended by manufacturer for joint type, and as follows: 1. Structural Sealant: ASTM C 1184, single-component neutral-curing silicone formulation that is compatible with system components with which it comes in contact, specifically formulated and tested for use as structural sealant and approved by a structural-sealant manufacturer for use in aluminum-framed systems indicated. a. Color: Black 2. Weatherseal Sealant: ASTM C 920 for Type S, Grade NS, Class 25, Uses NT, G, A, and O; single-component neutral-curing formulation that is compatible with structural sealant and other system components with which it comes in contact; recommended by structural-sealant, weatherseal-sealant, and aluminum-framed-system manufacturers for this use. a. Color: Matching structural sealant.	A. General: Provide sheet metal without pitting, seam marks, roller marks, stains, discolorations, or other imperfections exposed to view on finished units. B. Galvanized Steel Sheet: ASTM A653/A653M, G90 (2775) coating. 14 gauge min. thick base material. C. Anchors, Clips, and Accessories: Use one of the following: 1. Stainless steel complying with ASTM A276/A276M, ASTM A480/A480M, or ASTM A666. 2. Steel complying with ASTM A36/A36M and hot-dipped galvanized to ASTM A153/A153M. 3. Steel complying with ASTM A36/A36M and hot-dipped galvanized to ASTM A123/A123M Coating Grade 35 4. Interior locations: Carbon steel; zinc coated in accordance with ASTM B633 or ASTM F1941/F1941M, Class Fe/Zn 5. 5. Exterior Locations or in contact with Stainless Steel: a. Bolts: Stainless steel; ASTM F593, Group 1 (A1) b. Nuts: Stainless steel; ASTM F594. 6. Structural Anchors: Provide anchors where work is indicated to comply with design loads. a. Type: Provide chemical or torque controlled expansion anchors. b. Capacity: When tested according to ASTM E488/E488M; four times the load imposed when installed in concrete. 7. Nonstructural Anchors: Provide powder-actuated fasteners where work is not indicated to comply wit design loads. Provide size and number required for load, installation, and as recommended by manufacturer, unless indicated otherwise. D. Fasteners, General: Same basic metal and alloy as formed metal sheet unless indicated otherwise. Do not use metals incompatible with the materials joined. E. Gaskets: As required to seal joints in decorative formed metal and remain airtight; as recommended in writing by decorative formed metal manufacturer.
2. Exterior: Extra heavy-duty Level 3, physical performance A, Model 2 seamless construction, ASTM A1008, 16 gage cold-rolled steel face sheets; tops and bottoms closed with flush galvanized steel caps, manufacturer's standard plastic foam insulating core.		C. Source Limitations: Obtain aluminum framed storefront system and storefront entrance doors through one source from a single manufacturer.	2.5 Entrance Door Systems:	2.14 Finishes
B. Steel Frames: ASTM A1008, 16 gage cold-rolled steel. 1. Provide combination buck, jamb and trim type frames for 1-3/4" thick doors, unless otherwise indicated. 2. Interior and exterior frames: Set-up welded type with mitered corners, reinforced, fully seam welded with exposed welds ground smooth.		D. Product Options: Drawings indicate size, profiles, and dimensional requirements of aluminum framed storefront system and are based on the specific system indicated. Do not modify size and dimensional requirements. 1. Do not modify intended aesthetic effects, as judged solely by Architect, except with Architect's approval. If modifications are proposed, submit comprehensive explanatory data to Architect for review.	A. Entrance Door Hardware: As specified in Section 08710 Door Hardware.	A. Finishes, General: Comply with NAAMM AMP 500-06 1. Complete mechanical finishes before fabrication. After fabrication, finish joints, bends, abrasions and surface blemishes to match sheet. 2. Protect mechanical finishes on exposed surfaces from damage. 3. Apply organic and anodic finishes to formed metal after fabrication unless indicated otherwise. 4. Appearance: Limit variations in appearance of adjacent to one-half the range represented in approved samples. noticeable variations in the same piece are not acceptable. Install components in the range of approved samples to minimize contrast. B. Galvanized Steel Finishes: 1. Repair Galvanized Surfaces: Clean welds and abraded areas and repair galvanizing to comply with ASTM A780/A780M 2. Color: As shown on the drawings. 3. Factory Prime: Apply shop primer to prepared surfaces of items where field painting after installation indicated, unless indicated otherwise. Comply with requirements in SSPC-PA1 4. High Performance Organic Coatings: AAMA 2604; multiple coats, thermally cured fluoropolymer system.
C. Door and frame fabrication: 1. Provide cutouts for mortised hardware, accurately located and made to fit hardware. Provide closer reinforcement for all doors with surface mounted door closers. 2. Punch frames and factory install rubber door silencers. 3. Provide minimum three anchors of suitable design for each jamb. 4. Provide floor clip on bottom of each jamb. Provide angle spreaders at bottom of each set-up frame.		1.7 Project Conditions:	2.6 Accessory Materials:	
D. Shop painting: Clean and paint exposed surfaces of steel door and frame units. Apply one baked-on shop coat of rust-inhibitive prime paint in accordance with ANSI A250.10, unless doors and frames are used at the restrooms or as indicated on door hardware and finish schedule. Provide a uniformly finished surface ready to receive finish paint.		A. Field Measurements: Verify actual dimensions of a aluminum framed storefront openings by field measurements before fabrication and indicate field measurements on Shop Drawings.	A. Joint Sealants: For installation at perimeter of aluminum-framed systems, as specified in section 07900 - Joint Sealers	
3.1 Installation:		1.8 Warranty	2.7 Storefront Framing Fabrication:	
A. Install frames plumb, level, rigid, and in true alignment as recommended in ANSI A250.11.		A. Manufactures Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty. 1. Warranty Period: Two (2) years from Date of Substantial Completion of the project provided however that the Limited Warranty shall begin in no event later than six months from date of shipment by manufacturer.	A. Framing Members, General: Fabricate components that, when assembled, have the following characteristics: 1. Profiles that are sharp, straight, and free of defects or deformations. 2. Accurately fit joints; make joints flush, hairline and weatherproof. 3. Means to drain water passing joints, condensation within framing members, and moisture migrating within the system to exterior. 4. Physical and thermal isolation of glazing from framing members. 5. Accommodations for thermal and mechanical movements of glazing and framing to maintain required glazing edge clearances. 6. Provisions for field replacement of glazing. 7. Fasteners, anchors, and connection devices that are concealed from view to greatest extent possible. B. Mechanically Glazed Framing Members: Fabricate for flush glazing without projecting stops.	
B. Install doors plumb and in true alignment and fastened to achieve the maximum operational effectiveness and appearance as recommended in SDI 122.		2.1 Manufacturers:	C. Structural-Sealant-Glazed Framing Members: Include accommodations for using temporary support device to retain glazing in place while structural sealant cures.	
SECTION 084113 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS		A. Manufacturer: Kawneer Company Inc., Contact: Doug Hess, Phone: 317-771-9265; email:doug.hess@arconic.com	D. Storefront Framing: Fabricate components for assembly using manufacturers standard installation instructions.	
1.1 General: Provide aluminum entrances and storefronts as shown and specified.		1. Basis-of-Design Product Storefront Framing: a. Trifab 601T (thermal) Storefront System i. 2" x 6" System Dimensions ii. Glass: Exterior (Center-Set) b. Trifab 451T (thermal) Storefront System i. 2" x 4-1/2" System Dimensions ii. Glass: Exterior (Front-Set)	E. After fabrication, clearly mark components to identify their locations in Project according to Shop Drawings.	
1.2 Related Documents:		2. Basis-of-Design Product Storefront Entrances: a. The door stile and rail face dimensions of the 500-Wide Stile entrance door will be as follows or as indicated on Drawings: Door: 500; Vertical Stile: 5"; Top Rail: 5"; Bottom Rail: 10" b. Major portions of the door members to be 0.125" nominal in thickness and glazing molding to be 0.05" thick. c. Glazing gaskets shall be either EPDM elastomeric extrusions or a thermoplastic elastomer. d. Provide adjustable glass jacks to help center the glass in the door opening.		
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this section.		3. Basis-of-Design Product Feature Exterior Slat Wall: a. Kawneer Tube #027881 (1" x 3"), capped at top and bottom i. Alternate Exterior Slat Wall only when approved by Arch PM and Chipotle DM. 1. Architectural Fabrication		
B. Standards: Materials and construction shall conform to the following: 1. AAMA SFM-1-87 "Aluminum Storefront and Entrance Manual."		B. Alternate Storefront Systems only when approved by Arch PM and Chipotle DM.		
1.3 Summary:		1. YKK a. YES 60 TU Storefront System - 2" x 6" nominal dimension; Thermal b. YES 45 TU Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set		
A. Section Includes:		2. Oldcastle a. Series 6000XT Storefront System - 2" x 6" nominal dimension; Thermal b. Series 3000 Thermal MultiPlane Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set		
1. Kawneer Architectural Aluminum Storefront Systems, including perimeter trims, stools, accessories, shims and anchors, and perimeter sealing of storefront units.		3. US Aluminum a. Series FT601 - 2" x 6" nominal dimension; Thermal b. Series FT451 - 2" x 4-1/2" nominal dimension; Thermal; Front-Set		
a. Types of Kawneer Aluminum Storefront include: (1) Trifab 601T Storefront System - 2" x 6" nominal dimension; Thermal; Center-Set (2) Trifab VG 451T Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set		4. EFCO a. Series 406 (T) Storefront System - 2" x 6-1/2" nominal dimension; Thermal b. Series 403 (T) Storefront System - 2" x 4-1/2" nominal dimension; Thermal		
2. Kawneer Aluminum Entrances, glass and glazing, and components		5. Wausau a. TU24650 Storefront System - 2" x 6-1/2" nominal dimension; Thermal b. TU24000 Storefront System - 2" x 4-1/2" nominal dimension; Thermal		
a. Types of Kawneer Aluminum Entrances include: (1) 500 Swing Door; Wide stile, 5" vertical face dimension, 1-3/4" depth, high traffic applications or as indicated on Drawings.				
3. Kawneer Tube for Feature Exterior Slat Wall				
4. Alternate Storefront Systems only when approved by Arch PM and Chipotle DM.				
a. YKK (1) YES 60 TU Storefront System - 2" x 6" nominal dimension; Thermal (2) YES 45 TU Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set				
b. Oldcastle (1) Series 6000XT Storefront System - 2" x 6" nominal dimension; Thermal (2) Series 3000 Thermal MultiPlane Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set				
c. US Aluminum (1) Series FT601 - 2" x 6" nominal dimension; Thermal (2) Series FT451 - 2" x 4-1/2" nominal dimension; Thermal; Front-Set				
d. EFCO (1) Series 406 (T) Storefront System - 2" x 6-1/2" nominal dimension; Thermal (2) Series 403 (T) Storefront System - 2" x 4-1/2" nominal dimension; Thermal				
e. Wausau (1) TU24650 Storefront System - 2" x 6-1/2" nominal dimension; Thermal (2) TU24000 Storefront System - 2" x 4-1/2" nominal dimension; Thermal				
1.4 Performance Requirements:		2.2 Materials:		
A. General Performance: Aluminum-framed storefront system shall withstand the effects of the following performance requirements without exceeding performance criteria or failure due to defective manufacture, fabrication, installation, or other defects in construction;		A. Provide aluminum entrances and storefront matching the existing building aluminum entrances and storefronts, unless otherwise indicated.		
1. Design Wind Loads: Determine design wind loads applicable to the Project from basic wind speed indicated in miles per hour, according to ASCE 7, Section 6.5, "Method 2-Analytical Procedure," based on mean roof heights above grade indicated on Drawings.		B. Aluminum Frame Extrusions: Alloy and temper recommended by aluminum storefront manufacturer for strength, corrosion resistance, and application of required finish and not less than 0.070" wall thickness at any location for the main frame and complying with ASTM B 221: 6063-T6 alloy and temper.		
a. Basic Wind Speed (MPH): Determine to meet local codes listed on A000		C. Aluminum Storefront Entrance Extrusions: Alloy and temper recommended by aluminum-framed glass door manufacturer for strength, corrosion resistance, and application of required finish and not less than 0.090" wall thickness at any location for the main frame and sash members.		
b. Importance Factor: (1.00)		D. Fasteners: Aluminum, nonmagnetic stainless steel or other materials to be non-corrosive and compatible with aluminum window and door members, trim hardware, anchors, and other components.		
c. Exposure Category (A, B, C, D): Determine to meet local codes listed on A000		E. Anchors, Clips, and Accessories: Aluminum, nonmagnetic stainless steel, or zinc-coated steel or iron complying with ASTM B 633 for SC 3 severe service conditions, or other suitable zinc coating; provide sufficient strength to withstand design pressure indicated.		
B. Storefront System Performance Requirements:		F. Reinforcing Members: Aluminum, nonmagnetic stainless steel, or nickel/chrome-plated steel complying with ASTM B 456 for Type SC 3 severe service conditions, or zinc-coated steel or iron complying with ASTM B 633 for SC 3 severe service conditions or other suitable zinc coating; provide sufficient strength to withstand design pressure indicated.		
1. Wind loads: Provide storefront system; include anchorage, capable of withstanding inward and outward wind load design pressures meeting local codes listed on sheet A000.		G. Sealant: For sealants required within fabricated storefront system, provide permanently elastic, non-shrinking, and non-migrating type recommended by sealant manufacturer for joint size and movement.		
2. Air Infiltration:		H. Tolerances: Reference to tolerances for wall thickness and other cross-section dimensions of storefront members are nominal and in compliance with AA Aluminum Standard Data.		
a. Air Infiltration for storefront frame system: The test specimen shall be tested in accordance with ASTM E 283. Air infiltration rate shall not exceed 0.06 cfm/ft. sq. at a static air pressure differential of 6.24 psf.		2.3 Storefront Framing System:		
b. Air Infiltration for storefront entrances: For single acting offset pivot or butt hung entrances in the closed and locked position, the test specimen shall be tested in accordance with ASTM E 283 at a pressure differential of 6.24 psf (300 Pa) for single doors and 1.567 psf (75 PA) for pairs of doors. A single 30" x 70" entrance door and frame shall not exceed 0.50 cfm per square foot. A pair of 60" x 70" entrance doors and frame shall not exceed 1.0 cfm per square foot.		A. Thermal Barrier: Thermal Break shall be designed in accordance with AAMA TIR-48 and tested in accordance with AAMA 505. 1. Kawneer IsoLock Thermal Break with a 1/4" separation consisting of a two-part chemically cured, high-density polyurethane, which is mechanically and adhesively joined to aluminum storefront sections.		
3. Water Resistance: The test specimen shall be tested in accordance with ASTM E 331. There shall be no leakage at a minimum static air pressure differential of 8 psf as defined in AAMA 501.		B. Brackets and Reinforcements: Manufacturer's standard high-strength aluminum with non-staining, nonferrous shims for aligning system components.		
4. Uniform Load: A static air design load of 20 psf shall be applied in the positive and negative direction in accordance with ASTM E 330. There shall be no deflection in excess of 1/175 of the span of any framing member. At a structural test load equal to 1.5 times the specified design load, no glass breakage or permanent set in the framing members in excess of 0.2% of their clear spans shall occur.		C. Fasteners and Accessories: Manufacturer's standard corrosion-resistant, non-staining, non-bearing fasteners and accessories compatible with adjacent materials. Where exposed shall be stainless steel.		
5. Thermal Transmittance (U-factor): When tested to AAMA Specification 1503, the thermal transmittance (U-factor) shall be not more than: a. Glass to Exterior - 0.47 (low-e)		D. Perimeter Anchors: When steel anchors are used, provide insulation between steel material and aluminum material to prevent galvanic action.		
6. Condensation Resistance (CRF): When tested to AAMA Specification 1503, the condensation resistance factor shall not be less than: a. Glass to Exterior - 70 frame and 69 glass (low-e)		E. Packing, Shipping, Handling and Unloading: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.		
7. Sound Transmission Class (STC) and Outdoor-Indoor Transmission Class (OITC): When tested to AAMA Specification 1801 and in accordance with ASTM E1425 and ASTM E90, the STC and OITC Rating shall not be less than: a. Glass to Exterior - 38 (STC) and 31 (OITC)		F. Storage and Protection: Store materials protected from exposure to harmful weather conditions. Handle storefront material and components to avoid damage. Protect storefront material against damage from elements, construction activities, and other hazards before, during and after storefront installation.		

CONSULTANT:



CLIENT:



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GRILL, INC.

PROJECT INFORMATION:

STORE NO.: 5326
"GREENFIELD WI"
8515 SURA LANE
GREENFIELD, WI 53228

SEAL:



December 20, 2024
MATTHEW M. WILKUS
LICENSE #12262-5
(EXPIRES 07/31/2026)

PROJECT NO. 2023-0549
DRAWN BY ABM
CHECKED BY DRL, CJG

ISSUE RECORD:
08/26/2024 PERMIT SET
11/22/2024 BID SET
12/20/2024 CONSTRUCTION SET

REVISIONS:

1 11/22/2024 BID SET

TITLE:
ARCHITECTURAL
SPECIFICATIONS

SHEET NUMBER:

G014

2.2 In-Line Side Sliding Automatic Window and Air Curtain

- A. GC to use specification called out on storeformt details sheet and/or as directed by Tenant Arch PM.
- Quikserv Custom Automatic Side Sliding Window (Model: SST-4035E-CHIPOTLE): 45 -1/2"W x 41-3/4"H window with 17-3/4" tall transom and (2) sidelights at 29 1/4"W x 41-3/4"H; Complete Unit Size 104"W x 59-1/2"H
- Service Opening: 19"W x 29-3/4"H
 - Finish: Dark Bronze Anodized
 - Glass: 1" Clear Tempered unit + Low E (Solarban 60e) for fixed and moving panel, sidelights and transom
 - 'CHIPOTLE' package includes pre-wired air curtain with relay to sync operation with window.
 - Arch PM to verify if heated or ambient air curtain is required per Tenant assignment. Air Curtain mounts to transom.
 - Heated Air Curtain: Model: RAC-E-22
 - Ambient Air Curtain: Model: RAC-22
 - Refer to interior elevations (A700s) for direction of opening for ordering.
- ReadyAccess Automatic Side Sliding Window: 47 -1/2"W x 43-1/2"H window with 16" tall transom and (2) sidelights at 28 1/4"W x 59-1/2"H; Complete Unit Size 104"W x 59-1/2"H
- Service Opening: 19"W x 35"H
 - Finish: Dark Bronze Anodized
 - Glass: 3/4" Clear Tempered unit + Low E (Solarban 70XL) for fixed & moving panel, sidelights and transom
 - Arch PM to verify if heated or ambient air curtain is required per Tenant assignment.
 - Heated Air Curtain: Model: AA300 (replaces transom)
 - Ambient Air Curtain: Model: AA100 (split transom)
 - Refer to exterior elevations (A300s) for direction of opening for ordering.
- B. Alternate California Code Option
- ReadyAccess: Window 47-1/2" W x 35-3/4"H with double-split transom for air curtain and 10" and (2) sidelights at 28-1/4"W x 59-1/2"H; Complete Unit Size 104"W x 59-1/2"H
 - Service Opening: 15-1/4"W x 28"H, limited to meet CA code.
 - Ambient Air Curtain, AA100, and relay switch kit included with the West Coast Window package.
 - Quikserv Model: SS-4035-E-CHIPOTLE-CALI, same as above except as noted.
 - Service Opening: 28"W x 15-3/8"H, limited to meet CA code.
 - 'CHIPOTLE' package includes pre-wired ambient air curtain with relay to sync operation with window Model: QSK1025AA-BK. Air curtain mounts to transom.

C. Alternate Impact-Resistant and Florida Product Approved Option, Miami Dade Horizontal Bi-Parting Impact Slider

- Quikserv Model: BP-7241E-IP-CHIPOTLE, Complete Unit Size: 72"W x 41"H.
 - Service Opening: 29-1/2"W x 27"H
 - Rough Opening: 72-1/2"W x 41-1/2"H
 - Glass: Impact Resistant Glass
 - 'CHIPOTLE' package includes ambient air curtain
 - Ambient Air Curtain: Model: QSK1025AA-BK, Part Number: 9345.
 - Do not mount directly to window, mount on wall above.
 - Miami-Dade NOA #18-0814.02
- 2.3 Electrical Requirements
- A. Quikserv Electrical Windows: 120V / 60 Hz, 20-amp branch circuit, single phase. Power supplied through base of window. Conforms to UL Standard 325 -- Certified to CAN/CSA C22.2 NO. 247. Confirm with Electrical Drawings.
- Heated Air Curtain for Custom Side Sliding Window (Model: SS-4035-E-CHIPOTLE)
 - Separate 208V circuit and Power Supply required for heated air curtain. Air curtain pre-wired through window frame with power supply routed to base of window. Confirm with Electrical Drawings.
 - Ambient Air Curtain for Custom Side Sliding Window (Model: SS-4035-E-CHIPOTLE) and Alternate California Code Option: Model: SS-4035-E-CHIPOTLE-CALI
 - Separate circuit not required. Window pre-wired to power and sync operation with air curtain.
 - Ambient Air Curtain for Alternate Impact-Resistant and Florida Product Approved Option (Model: BP-7241E-IP-CHIPOTLE):
 - Connect to main control board on window to power and synchronize operation with opening and closing of window.
- B. ReadyAccess Electrical Windows: 115V / 60 Hz, 15-amp dedicated circuit required. Run power to header on fixed panel side.
- AA300 Heated Air Curtain
 - Separate 208V /60 Hz /40-amp single phase circuit required.
 - AA100 Ambient Air Curtain (Standard and CA window)
 - Separate 120V / 60Hz / 15-amp single phase circuit required. Run power to center of window above header.

3.1 Installation

- Install in accordance with manufacturer's instructions.
- Install pass-thru windows plumb, level, square, true to line, and without warp or rack. Maintain dimensional tolerances and alignment with adjacent Work.
- Install thermal isolation where components penetrate or disrupt building insulation. Pack fibrous insulation in shim spaces at perimeter of assembly to maintain continuity of thermal barrier.
- Install pass-thru window components weathertight.
- Anchor pass-thru windows securely in place to supports. Use attachment methods permitting adjustment for construction tolerances, irregularities, alignment, and expansion and contraction.
- Separate aluminum from other metal surfaces with bituminous coatings or other means approved by Architect.
- Coordinate installation of related sheet metal flashing as specified in Section 07 62 00 - Sheet Metal Flashing and Trim.
- Install perimeter joint sealants as specified in Section 07 91 23 - Backer Rods.

SECTION 08710 - DOOR HARDWARE

1.1 General: Provide door hardware as shown and specified.

- A. Standards: Materials and installation shall conform to the following:
- ANSI A117.1-2009 Accessible and Usable Buildings and Facilities.
 - ANSI/BHMA A156 Series Builders Hardware
- B. Quality Assurance:
- Codes and standards: Provide hardware complying with local Building Code requirements and the Tenant's standards for keying and security systems.
 - Project scheduling: Performed by an Architectural Hardware Consultant (AHC).
 - Package each item of hardware and each lockset, complete with all screws, anchors, installation instructions and templates. Identify package indexing with corresponding item number of the hardware schedule.
 - After hardware schedule acceptance, provide necessary templates or physical hardware to required trades for cutting, reinforcing, or preparing their products to receive hardware. Furnish templates to metal door manufacturer's.

2.1 Materials:

- A. No substitutions allowed. Requirements for manufacturer, design, grade, function, finish, size and other distinctive qualities of each type of door hardware are indicated on the drawings.
- B. Review the keying system with the Tenant and provide the type required.

3.1 Installation

- A. Install each hardware item in strict accordance with manufacturer's installation instructions and recommendations. Securely fasten all attached parts. Fit faces of mortised parts snug and flush. Verify operating parts move freely and smoothly without binding or sticking, without excessive clearance.
- B. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as required for proper installation and operation. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors in accordance with industry standards.

- C. Mount hardware units at heights indicated in DHI "Recommended Locations for Builders Hardware", unless otherwise required to comply with requirements of governing codes and regulations. Conform to ANSI A117.1 and ADAGG guidelines for accessibility.
- Top Butts: 5 inches; top of butt from head of frame.
 - Middle Butts: 3'-2", centerline from finish floor.
 - Bottom Butts: 5 inches; finish floor to bottom of butt.
 - Locks: centerline from finish floor per hardware schedule.
 - Knobs: 3'-2", centerline from finish floor.
 - Pulls: centerline from finish floor per hardware schedule.
 - Pushes: centerline from finish floor per hardware schedule.

SECTION 08800 - GLAZING

1.1 General: Provide glass and glazing as shown and specified.

- A. Standards: Materials and installation shall conform to the following:
- CPSC 16 CFR Part 1201 (1-91)"Safety Standard for Architectural Glazing Materials."
 - GANA "Glazing Manual - 1990."
- B. Quality Assurance:
- Codes and standards: Provide type of glass and glazing products that comply with ANSI Z97.1 and testing requirements of 16 CFR Part 1201 for category II materials. Comply with all applicable codes, standards and regulations that control safety glazing materials and installation.
 - System Performance: Provide glass and glazing that has been produced, fabricated and installed to withstand normal thermal movement, wind loading and, where applicable, impact loading, without failure including loss or breakage of glass, failure of glazing sealants or gaskets to remain watertight and airtight, deterioration of glass and glazing materials and other defects in the work.
 - Installation: Performed only by experienced glaziers.
- C. Warranty:
- Insulating glass: Five years from date of installation against defects that materially obstruct vision through the glass or affect thermal and physical integrity.

2.1 Materials:

- A. Glass:
- Float Glass (FG): 1/4" thick clear float glass.
 - Tempered Glass (TG): 1/4" and 1/2" thick clear, tempered safety glass, free-of-tong marks.
 - Insulating Glass (IGL): 1" thick clear, low-e tempered sealed glass; 1/4" thick interior and exterior glass lites with 1/2" aluminum desiccated dual sealed air space; with the following characteristics:
 - Low-emissivity coating on #2 surface.
 - Visible Light Transmittance: 64% - 70%
 - Visible Light Reflectance - 300%: 9%-11%
 - Solar Energy Transmittance: 320%: 3%-34%
 - Solar Energy Reflectance-Outdoors: 30%-34%
 - U-Value - Winter Night: 0.29
 - U-value - Summer days: 0.28
 - Solar Heat gain Coefficient: 0.25-0.39
 - Shading Coefficient: 0.43-0.45
 - Manufacturers/Products:
 - AGC/Comfort Ti-AC40, or similar to meet code
 - Sun Guard/SN-68, or similar to meet code
 - PPG/Solarban 60, or similar to meet code
 - Viracore/VEL-2M, or similar to meet code
 - Spandrel Glass (SG) 1/4" thick, Spandrel Ceramic Glass, (Color: Gray/Black or as noted on drawings) by Old Castle Building Envelope (419) 666-2000, Contact: Doug Dewar
 - Frosted Window Film, 3M Dusted Crystal Translucent Window Film. Apply on the interior side of glazing.
- B. Glazing Materials:
- Glazing Sealants: Provide elastomeric glazing sealants suitable for applications indicated; compatible with one another and with other materials they will contact, complying with ASTM C920.
 - Glazing Tape: Provide preformed, non-staining and non-migrating elastomeric tape, as recommended by tape and glass manufacturers for application indicated, complying with ASTM C 1281.
 - Glazing gaskets: Provide manufacturer's standard snap-on aluminum stops and neoprene, vinyl or EPDM glazing gaskets.
 - Provide setting blocks, spacers and edge blocks of material, size, and shape complying with referenced glazing standard, and compatible with surfaces contacted in installation.

C. Fabrication: Factory fabricate and size all glass.

3.1 Installation

- A. Preparation:
- Field verify measurements and conditions of installation.
 - Examine all details. Provide proper fitting to details indicated.
 - Glazing channel dimensions shown are intended to provide for necessary bite on glass, minimum edge clearance and adequate glazing materials thickness, with reasonable tolerances. Adjust as required by job conditions at time of installation.
- B. Install glass and glazing in accordance with the GANA "Glazing Manual" and glass manufacturer's recommendations.
- Install insulating glass units to comply with recommendations by Sealed Insulating Glass Manufacturers Association (SIGMA).
- C. Install setting blocks of proper size at quarter points of sill rabbet. Provide spacers as required.
- D. Install glazing sealants, tapes and gaskets in accordance with manufacturer's recommendations. Set glass without springing and install securely to prevent rattling or breakage.
- E. Protect glass from breakage during remaining construction. Do not remove non-permanent labels until final acceptance.

DIVISION 9 -- FINISHES

SECTION 09260 - GYPSUM BOARD SYSTEMS

1.1 General: Provide gypsum board systems as shown and specified.

- A. Standards: Materials and installation shall conform to the following:
- GA 214-90 "Levels of Gypsum Board Finish."
 - GA 216 "Specifications for Application and Finishing of Gypsum Board."
 - USG "SA923 Drywall/Steel Framed Systems."

2.1 Materials:

- A. Manufacturer: United States Gypsum Co. (USG), (800) 874-4968, internet www.usg.com.
- B. Metal framing: Comply with ASTM C 754 and ASTM C 645 for materials and sizes.
- Partition metal framing:
 - Studs: Galvanized steel, C-shaped, sizes indicated, 20 gage "ST20"
 - Runners: Match studs, type recommended by stud manufacturer for floor and ceiling support of studs. Provide flexible ceiling runners for full height metal stud framed partitions continuous from floor to underside of structural members or deck above.
 - Ceiling and Soffit metal framing/suspension systems:
 - Small areas: Metal stud framing of appropriate size and gage for spans indicated.
 - Large areas: Furring channel "Grillage" or "Direct Suspension System" designed for concealed support of gypsum board ceilings, of proper type for use indicated.
 - Furring members: 20 gage, galvanized steel screw type, hat-shaped furring.
 - Gypsum board panels: USG "Sheetrock" complying with ASTM C1396, tapered edge face panels, 48" wide, in maximum lengths available to minimize end joint conditions, 5/8" thick.
 - General use panels: Sheetrock Regular panels.
 - Fire rated panels: Sheetrock Firecode Core panels.
 - Water-resistant: panels: Sheetrock HUMITEK panels.
 - Cement board: USG DUROCK Cement Board, 5/8" thick x manufacturer's standard width, complying with ANSI A118.9, and in maximum lengths available to minimize end-to-end butt joints.

- F. Fasteners: USG Type "S" bugle head screws for metal framing, USG Type "W" bugle head screws for wood framing, manufacturer's recommended length for panel thickness indicated.
- G. Trim: Galvanized steel with knurled and perforated flanges. USG Dur-A-Bead corner bead, No. 2008 casing bead metal trim, No. 093 Control Joint.
- H. Joint treatment: USG Joint Treatment System, utilizing "Sheetrock Brand Joint Tape", and "Sheetrock Brand Setting-Type (DURABOND)" compound for tape bedding and topping.
- I. Adhesives: USG "Sheetrock Brand Setting-Type (DURABOND)" 210 or 90" compound for tape bedding and topping.
- J. Acoustical sealant: USG Sheetrock Acoustical Sealant, water-base type, gunnable sealant for sealing sound-rated gypsum board systems.
- K. Sound attenuation insulation: USG Thermafiber unfaced 3-1/2" thick, mineral fiber insulating batts/blankets; standard lengths and widths required to coordinate with spaces insulated.

3.1 Installation

- A. Install metal wall and partition framing and ceiling suspension/ support systems in accordance with USG Bulletin SA 923 and complying with ASTM C754.
- Ceiling suspension/ support systems: Metal furring system/direct suspension or steel stud framing system.
 - Wall and partition framing:
 - Install steel studs per schedule or as spacing indicated with bottom and top runner tracks anchored to substrates. Provide flexible ceiling runner tracks at full height partitions.
 - Terminate partition stud system 4" above ceilings, except where indicated to be extended to structural support or roof deck above. Brace tops of partition framing to structure or roof deck at maximum 4'-0" on center spacing.
 - Frame openings more than 2'-0" wide with two 20 gage studs at each jamb.
 - Coordinate the installation of supplementary blocking and nailers, provided under Section 06100 work, to support shelving, millwork, toilet accessories, and similar work that cannot be adequately supported by gypsum board alone.
 - Application and Finishing: Install and finish gypsum board to comply with ASTM C 840 and Gypsum Association GA 216 "Recommended Specifications for the Application and Finishing of Gypsum Board."
 - Screw fasten all gypsum board panels.
 - Metal Trim: Install metal corner beads at external corners of gypsum board work and metal trim wherever edge of gypsum board would be exposed. Use longest practical lengths.
 - Control Joints: Locate and install control joints in accordance with USG Bulletin SA923 "Good Design Practice" recommendations.
 - Acoustical Treatment:
 - Where sound-attenuation insulation is indicated, seal gypsum board construction at perimeters, control joints, junction boxes, openings and penetrations with a continuous bead of acoustical sealant including a bead at both faces of partitions.
 - Install sound attenuation insulation at scheduled partitions and ceilings. Install insulation in single layer of required thickness. Extend full thickness over entire area to be insulated. Cut and fit tight around obstructions. Fill all voids.
 - At openings and cutouts, fill open spaces between edges of gypsum board and fixtures, cabinets, ducts, and other flush or penetrating items, with continuous bead of acoustical sealant.
 - Seal sides and backs of electrical boxes to completely close up openings and joints with a bead of acoustical treatment.
 - Finishing:
 - Comply with manufacturer's instructions for mixing, handling, and application of materials. Apply treatment at joints both directions, at flanges of trim accessories, penetrations of gypsum board (electrical boxes, piping, and similar work), fastener heads, surface defects, and elsewhere as indicated. Accept in manner that will result in each of these items being concealed when applied decoration has been completed.
 - Apply joint tape at joints between gypsum boards, except where trim accessories are indicated.
 - Interior Exposed Gypsum Board Finish: Level 5 Finish.
 - Locations: Typical for all walls and ceilings, unless otherwise indicated
 - Interior gypsum board by applying the following joint compounds in four coats (not including prefill of openings in base), and sand between coats and after last coat:
 - Embedding and First Coat: Setting-type joint or taping compound.
 - Fill (Second) Coat: Setting-type topping compound.
 - Fill (Third) Coat: Setting-type topping compound.
 - Finish (Fourth) Coat: Skim coat entire surface.
 - Interior Concealed Gypsum Board: Level 3 Partial Finishing.
 - Finish concealed gypsum board construction that requires finishing same as exposed gypsum board construction, except the third coat and sanding can be omitted.

E. Cement Board: Install cement board as a 16" high base at all kitchen and kitchen cook line wall types as indicated on drawings.

SECTION 092816 - GLASS-MAT FACED GYPSUM BACKING BOARDS

1.1 General: Provide Fiberglass-mat faced, moisture resistant gypsum backer board as shown and specified.

- A. Standards: Materials and installation shall conform to the following:
- ASTM C840 Standard Specification for Application and Finishing of Gypsum Board.
 - ASTM C1002 Standard Specification for Steel Self Piercing Tapping Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs
 - ASTM C1178 Standard Specification for Glass Mat Water-Resistant Gypsum Backing Panel
 - ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber
 - ASTM D6329 Standard Guide for Developing Methodology for Evaluating the Ability of Indoor Materials to Support Microbial Growth Using Static Environmental Chambers.
 - ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials
 - Tile Council of North America, Inc. (TCNA): TCA Handbook for Ceramic Tile Installation, Current Edition.

2.1 Materials:

- A. Manufacturer: Georgia-Pacific Gypsum LLC, (800) 225-6119, internet: www.buildgp.com
- B. Fiberglass-Mat Faced Gypsum Backing Board: DensShield Fireguard Tile Backing Board complying with ASTM C1178, Type X, Square edges, 4" wide in maximum lengths available to minimize end joint conditions, 5/8" thick. Surfacing: Coated fiberglass mat on face, back and long edges.
- General use panels: 5/8" DensShield Fireguard Tile Backer, Georgia-Pacific Gypsum.
- C. Fasteners: Screws meeting ASTM C1002, with corrosion resistant treatment. Size and type per manufacturer's recommendations:
- Walls (Steel Frame): Bungle head, fine thread, sharp point rust resistant drywall screw
 - Walls (Walls Frame): Bungle head, coarse thread, sharp point rust resistant screw
- D. Metal Framing, Trim, joint treatment, adhesives, acoustical sealant, and sound attenuation insulation: Refer to Section 09260 Gypsum Board Systems

3.1 Installation

- A. Install DenShield at all tile walls excluding hood area as indicated on drawings.
- B. General: Install in accordance with ASTM C840, manufacturer's recommendations and TCA Handbook for Ceramic Tile Installation.
- Manufacturers Recommendations: refer to Current "Product Catalog", Georgia Pacific Gypsum.
 - Attach DensShield Tile Backer with grey side facing the interior. Tile should be applied on the grey coated side of DensShield Tile Backer. Cut panel to required size and make cutouts. Fit ends and edges closely. Do not leave gaps between panels.
 - DensShield Tile Backer may be cut by using a utility knife to score, then snap, working from the grey face side.
 - For walls, when used as a tile substrate a minimum 20-gauge steel or wood framing should be spaced no greater than 24" o.c. for 5/8" DensShield Tile Backer. Board can be applied horizontally or vertically.
 - Fasteners shall be spaced 6" o.c. for walls for wood and steel framing. Do not countersink. Drive fasteners flush with grey coated surface. See manufacturer installation Fastener Guide for proper selection.
 - In all corners, imbed with a bead of flexible sealant when installing panels into corner. Apply self-adhesive 2" wide fiberglass mesh tape and bed tape on all joints and corners with material used to set tiles.
 - Do not use all purpose joint compound or tape in wet areas.
 - Do not apply DensShield Tile Backer directly to concrete or masonry block. Framing or furring of the walls is necessary.
 - DensShield Tile Backer should not be used for exterior installations.
 - DensShield Tile Backer panels should not be used as a base for nailing and mechanical fastening.
 - DensShield Tile Backer has a built in moisture barrier. Never install vapor retarders directly behind DensShield Tile Backer panels. In retrofit applications, some paints or other wall coverings may constitute a vapor barrier; remove or effectively penetrate these coverings prior to installing DensShield Tile Backer panels.
 - Refer to Section 09260 Gypsum Board Systems for additional installation and sound treatment instructions

SECTION 09330 - QUARRY TILE

1.1 General: Provide quarry tile flooring and base as shown and specified.

- A. Standards: Materials and installation shall conform to the following:
- ANSI A137.1 "Ceramic Tile."
 - TCA "Handbook for Ceramic Tile Installation."

2.1 Materials:

- A. Manufacturers:
- Quarry Tile: Daltile, (877) 556-5728, internet: <http://daltile.com>
 - For ordering purposes, email all orders to chipotle@daltile.com
 - Waterproofing, Setting and Grouting Materials:
 - Setting and Grouting Materials and Tile Base Membrane: Mapei
 - For ordering purposes, email all orders to chipotle@daltile.com
 - For technical questions, contact Mapei, (800) 992-6273, internet: www.mapei.com
- B. Quarry Tile: Daltile 6" x 6" x 1/2" Quarry Textures with 5" base as scheduled on finish plan and appropriate trim; Color: "Ashen Gray" 0T03
- Entire Kitchen Area: Provide non-abrasive finish quarry tile.
 - Rest Rooms: Provide non-abrasive finish quarry tile.
 - Outside Corner Cove Base (Kitchen): #HQC-(L or R)-3565 5" x 6"
 - Inside Corner Cove Base: #HCB-3565 1" x 5"
 - Bullnose Coveless Base: #HQB-1665, 6" x 6"
 - Bullnose Corner Coveless Base: #HQCRL-1665, 6" x 6"
- C. Waterproofing for elevated floor slabs: Mapei, Mapelastic AquaDefense, Premium Waterproofing and Crack Isolation Membrane
- D. Setting Adhesive: Mapei, Ultraflex 3, Color: Gray
- E. Grout: Mapei, Kerapoxy IEG CQ, Color: #9, "Gray", 1/4" grout joints.
- F. Quarry Tile Base Membrane: Mapei, Mapelastic AquaDefense, Premium Waterproofing and Crack Isolation Membrane

3.1 Installation

- A. Preparation: Clean substrate surfaces, scheduled to receive quarry tile, thoroughly and remove all coatings that may impair bond.
- Center tile fields both directions in each floor area. Adjust layout to minimize tile cutting. Avoid tile less than one-half size. Locate cuts to be least conspicuous.
 - Maintain units uniformly "in plane." Provide straight, uniform joint widths and grout lines.
- B. Elevated Floor Slabs: Install waterproofing membrane at elevated floor slab surfaces scheduled to receive quarry tile floor finish. Install membrane materials in accordance with manufacturer's installation instructions to produce a waterproof membrane of uniform minimum 30 mil thickness bonded securely to substrate.
- Extend waterproofing up vertical wall surfaces minimum 10" high.
 - Extend membrane down into floor drain flanges to assure continuous waterproofing at drainage points.
- C. Wet Areas: Install waterproofing membrane at all quarry tile wall base. Install membrane materials in accordance with manufacturer's installation instructions to produce a waterproof membrane of uniform minimum 30 mil thickness bonded securely to substrate.
- Extend waterproofing up all vertical wall surfaces receiving quarry tile base minimum 10" high. Extend waterproofing membrane 10" minimum horizontally from all vertical wall surfaces receiving quarry tile base.
- D. Installation: Install, grout and clean ceramic tile in accordance with referenced TCA installation details and ANSI standard specifications for setting methods scheduled.
- Floors: Latex-portland cement mortar on concrete; TCA detail F113 and ANSI A108.5, grout ANSI A108.10.
 - Base: Latex-portland cement mortar on cement board.

SECTION 09340 - CERAMIC TILE

1.1 General: Provide ceramic wall tile as shown and specified.

- A. Standards: Materials and installation shall conform to the following:
- ANSI A137.1 "Ceramic Tile."
 - TCA "Handbook for Ceramic Tile Installation."

2.1 Materials:

- A. Manufacturers:
- Ceramic Tile and Accent Tile: Daltile, P: (877) 556-5728, internet: <http://daltile.com>
 - For ordering purposes, email all orders to chipotle@daltile.com
 - Ceramic Tile:
 - Kitchen Tile, or as noted in plans, Series - Finish Line Glazed Ceramic Tile:
 - Color - White FL90, Semi-Gloss, Size - 4 x 16, Pattern - Stacked Bond
 - Accent Tile, Series - Color Wheel Glazed Ceramic
 - Alternate Accent Tile only when approved by Arch PM and Chipotle DM
 - Series - Remedy, Color - Alchemy RD25, Size - 2 x 9, Pattern - Stacked Bond
 - Series - Marrazzi, Color - Artesen AT25, Size - 2 x 4, Pattern - Brickjoint Mosaic

C. Setting Adhesive: Thinset Mortar, Mapei, Ultraflex LFT - Gray

D. Grout:

- Kitchen Tile or as noted in plans
 - Mapei, Series - Flexcolor CQ - Gray #5009, 1/8" grout joints.
- Accent Tile
 - Mapei, Series - Flexcolor CQ - Chocolate #5007, 1/8" grout joints.

3.1 Installation

- A. Preparation: Clean substrate surfaces scheduled to receive ceramic tile thoroughly and remove all coatings that may impair bond.
- Protect surrounding work from damage.
 - Remove any curing compounds or other contaminants.
 - Vacuum clean surfaces and damp clean.
 - Install cementitious backer board or glass-mat faced gypsum backing board as indicated in drawings in accordance with ANSI A108.11 and board manufacturer's instructions. Tape joints and corners, cover with skim coat of dry-set mortar to a feather edge.
 - Prepare substrate surfaces for adhesive installation in accordance with adhesive manufacturer's instructions.
- B. Kitchen:
- Install, grout and clean ceramic tile in accordance with referenced TCA installation details and ANSI standard specifications for setting methods scheduled.
 - Lay tile in horizontal stack bond, following detail drawings for layout considerations. Horizontal rows of tile shall be full-height courses, unless noted otherwise.
 - Arrange pattern so that a full tile or joint is centered on each wall horizontally and that no tile less than 1/2 width is used at the ends of the wall. Exception: when one end of the wall is a tile-to-gypsum board transition. Do not interrupt tile pattern through openings.
 - Use specified stainless steel corner guards at tile-to-tile and tile-to-FRP outside corners.
 - Use corner bead of 100% silicone sealant, color to match grout, at inside corners where tile meets tile.
 - Use corner bead of 100% silicone sealant, white, at inside corners where tile meets paint gyp. board, tile meets FRP or tile meets aluminum.
 - Cut and fit tile to penetrations through tile, leaving sealant joint space. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make joints watertight, without voids, cracks, excess mortar, or excess grout.
 - Sound tile after setting. Replace hollow sounding units.
 - Keep expansion joints free of adhesive or grout. Allow tile to set for a minimum of 48 hours prior to grouting. Apply sealant to junction of tile and dissimilar materials and junction of dissimilar planes. Refer to section 07900 Joint Sealers.
 - Clean tile and grout surfaces.

CONSULTANT:



CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
PO BOX 16266
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GRILL, INC.

PROJECT INFORMATION:

STORE NO.: 5326
"GREENFIELD WI"
8515 SURA LANE
GREENFIELD, WI 53228

SEAL:



December 20, 2024

MATTHEW M. WILKUS
LICENSE #12262-5
(EXPIRES 07/31/2026)

PROJECT NO. 2023-0549
DRAWN BY ABM
CHECKED BY DRL, CJG

ISSUE RECORD:
08/26/2024 PERMIT SET
11/22/2024 BID SET
12/20/2024 CONSTRUCTION SET

REVISIONS:

1 11/22/2024 BID SET

TITLE:

ARCHITECTURAL
SPECIFICATIONS

SHEET NUMBER:

G015

SECTION 09510 - SUSPENDED CEILING SYSTEMS

1.1 General: Provide acoustical ceiling systems as shown and specified.

- A. Standards: Materials and installation shall conform to the following:
- CISCA "Acoustical Ceilings - Use and Practice."
 - ASTM C635.
 - ASTM C636.

- B. Related Sections:
- 09515 Cementitious Wood Fiber Acoustical Panels: Suspension system.

2.1 Materials:

- A. Manufacturer:
- USG Interiors, Inc., (800) 950-3839, www.usg.com
 - Pittcon Industries, (800) 637-7638, www.pittconindustries.com
- B. Ceiling Panels: USG "Sheetrock Lay-In ClimaPlus No. 3270" ceiling panels with white, stipple texture, vinyl facing, 24" x 48" x 1/2".
- C. Light Pocket: Pittcon "LP-700-800", White. Height of cove should be field verified by GC to end on a full tile height.
- Light pocket can have up to 6 week lead time and should be ordered as soon as possible.
 - Light pocket endcap should only be installed when the end of the cove is not against a wall.
- D. Suspension System: Provide intermediate duty, structural class, direct hung systems adequate to support light fixtures, ceiling diffusers and other normal accessories.
- Exposed "Tee" Grid System for use with Lay-In Ceiling panels: USG "Donn DX System" non-fire rated with 15/16" exposed face, cold-rolled galvanized steel with aluminum face cap, white paint finish on exposed surfaces. Provide hemmed edge aluminum wall angles, 15/16" exposed leg, white paint finish matching exposed grid.
 - Concealed "Tee" Grid System for use with Painted Gypsum Board Ceilings & Soffits or with Cementitious Wood Fiber Acoustical Panels (Tectum): USG "DGLW" Heavy Duty Drywall Suspension System with 1 5/8" deep by 1 1/2" wide main tees and 1 1/2" deep by 1 1/2" wide cross tees.
 - Hanger Wire: No. 12 SWG galvanized steel wire.
 - Heavy Duty "Tee" Grid System for use with Felt Baffle Ceiling System: USG Donn Brand DX/L with 15/16" wide face tees, color: black

3.1 Installation

- A. Install acoustical ceiling materials and suspension systems in strict accordance with manufacturer's recommendations, complying with governing regulations and industry standards applicable to the work.
- B. Suspension system installation shall be laser leveled with a maximum surface leveling tolerance of 1/8" in 12'-0".
- C. Install exposed Tee suspension systems with main tees nominally 12 ft long spaced 48 in O.C. and cross tees nominally 4 feet long spaced 24 in O.C.
- D. Install concealed Tee suspension systems with main tees nominally 12 ft long spaced 24 inches O.C. and cross tees nominally 2 ft long spaced 48 in O.C.
- E. Hanger wire shall be spaced 48" O.C. along main tees, at all four corners of light fixtures (where applicable), at midpoint of cross tees adjacent to light fixtures and duct outlets, and adjacent to main tee splices.
- F. Secure wire hangers by looping and wire-tying either directly to building structure or to hangers that are secure and appropriate for substrate.
- G. Provide edge trim molding at perimeter of acoustical ceiling installation and intermediate vertical surfaces. Use maximum lengths. Miter trim corners to Provide tight, accurate joints. Connect moldings securely to substrate surfaces.

SECTION 09633 - RUBBER WALL BASE

1.1 General: Provide resilient rubber wall base as shown and specified.

- A. Standards: Materials and installation shall conform to the following:
- ASTM D 2240 Rubber - 85 Shore A

2.1 Materials:

- A. Manufacturer: Johnsnite, Inc., (800) 899-8916, internet: www.johnsonite.com
- Basis-of-Design Product Rubber Wall Base:
 - Resilient Rubber:
 - .125" (3.17 mm) Thickness
 - "Black" color
 - Straight (toeless) or coved as specified on finish plan
 - Inside and outside corners with 4" returns.
 - Alternate Wall Base only when approved by Arch PM and Chipotle DM.
 - Vinyl Wall Base
 - .125" (3.17 mm) Thickness
 - "Black" color
 - Straight (toeless) or coved as specified on finish plan
 - Inside and outside corners with 4" returns.
- C. Setting Adhesive:
- For porous surface applications: Johnsonite 960 Acrylic Cove Base Adhesive.
 - For non-porous surface applications: Johnsonite 946 Contact Bond Adhesive or polymer based alternative.

3.1 Installation:

- A. Preparation: Clean substrate surfaces scheduled to receive resilient rubber and vinyl wall base thoroughly and remove all coatings that may impair bond. A uniform temperature of at least 65 degrees Fahrenheit shall be maintained for 24 hours before, during and after the installation is completed. The wall base and adhesives shall be conditioned in the same manner. Coiled wall base shall be uncoiled and lay flat for at least 24 hours at 65 degrees Fahrenheit prior to installation. Floor and walls shall be clean, dry, and free of dust, all paints, wallpaper, and all other foreign material, which may affect proper adhesive bonding. Wall base may be installed on interior plaster, gypsum wall board, concrete, masonry, mineral-reinforced cement board or similar porous surfaces. Wall base shall not be installed on surfaces that will be exposed to drastic temperature changes or moisture.
- B. Application: Use a 1/8" square notch trowel to apply adhesive. Allow adhesive to set up and then apply wall base in accordance with manufacturer's instructions.

SECTION 09770 - SPECIAL WALL SURFACING - PHENOLIC INTERIOR WALL PANELS

1.1 General: Provide Stonewood solid phenolic panels and accessories for interior walls and millwork as shown and specified.

1.2 Related Sections:

- A. Section 05400 - Cold Formed Metal Framing
- B. Section 06210 - Finish Carpentry and Millwork
- C. Section 07900 - Joint Sealers
- D. Section 09260 - Gypsum Board Systems
- 1.3 Standards: Materials and construction shall conform to the following:
- A. ASTM D638 - 10 Standard Test Method for Tensile Properties of Plastics.
- B. ASTM D790 - 10 Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.
- C. ASTM E84 - 12 Standard Test Method for Surface Burning Characteristics of Building Materials.
- D. NEMA Standards Publication LD3-2005: High pressure decorative laminates.

1.4 Design/Performance Requirements:

- A. Design and size of wall panel assemblies including wall panels, mounting system to support weight of panels.
- B. Allow for thermal movements from ambient and surface temperature changes by preventing buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects. Base calculations on expected movement of material as defined in fabrication guidelines.

1.5 Quality Assurance:

- A. Manufacturer's Qualifications:
- Sufficient plant facilities to provide quality and quantity of materials as required without delaying progress of work.
 - Minimum of 40 years of experience in paper saturation of phenolic resin, and producing phenolic paper laminate.
- B. Fabricator:
- Fabricated by the manufacturer, and/or;
 - Contracted by the customer, minimum 5 years' experience in fabrication work for the size and complexity of the projects.
- C. Installer
- Proven professional installer with a minimum of 5 years of documented experience.
 - Approved by the manufacturer.

1.6 Delivery, Storage and Handling:

- A. Refer to Section 01400 Quality Requirements.
- B. Delivery: Deliver materials in manufacturer's original unopened containers/packages, with labels clearly identifying product name, manufacturer, color/texture and weight.
- C. Storage:
- Keep panels dry and stored indoors in original packaging until installation.
 - Store Stonewood panels on a smooth, dry, flat surface, making sure there are no bends or bowing in the load.
 - Do not store directly on cold concrete floors as moisture may migrate.
 - Do not store under heating units or air conditioning units.
 - Keep load stored within outer wrap until use. Remove pallet straps once load is moved to storage area.
 - Reseal plastic wrap if partial load is used.
 - Keep foam dividers in place.
- D. Handling:
- Handle materials in accordance with manufacturer's instructions.
 - Protect materials during handling to prevent damage.
 - When moving sheets, lift evenly to avoid dragging panels across each other and scratching the surface. PLEASE TAKE CARE NOT TO SCRATCH THE SURFACE OF THE PANEL DURING HANDLING, MACHINING AND INSTALLATION.

1.7 Warranty:

- A. Limited Warranty: Fibbers warrants Stonewood for a period of 10 years. Refer to www.stonewoodpanels.com for details.

1.8 Project Conditions:

- A. Environmental Limitations: Buildings are to be fully enclosed prior to installation with sufficient heat (70 degrees) and ventilation consistent with good working conditions for finish work.
- B. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
- C. Field Measurements: Verify locations of structural members and wall opening dimensions by field measurements before composite wall panel fabrication and indicate field measurements on Shop Drawings.

2.1 Manufacturer:

- A. Fibersin Industries, Inc. PO Box 808, Oconomowoc, WI 53066. Phone: (262) 567-4427, Fax: (262) 567-4814, Web Site: www.stonewoodpanels.com Email: info@fibersin.com
- B. Made in the United States from materials sourced in the USA.

2.2 Application:

- A. Apply Solid Phenolic Laminate Wall Panels at walls and other surfaces as indicated on the Drawings. Phenolic Wall Panels are architectural wall panels applied over a sheathed stud wall or other solid blocking per Drawings.

2.3 Interior Stonewood:

- A. Material: Solid phenolic laminate panel w/o overlay.
- B. Color: Black ND
- C. Finish: Matte
- D. Standard Size: 48"x96", fabricator to trim height to 47"
- E. Panel Thickness: 5/16", 1/2"
- F. Panel Core: HR Black

2.4 Minimum Material Properties

NEMA Requirements	NEMA Requirements	
Description	3.11	
Dimensional Change:		
Length (Machine Direction)	0.3% Maximum	0.25%
Width (Cross Direction)	0.7% Maximum	0.50%
Density (PCF)	82	

Mechanical Properties:	NEMA Requirements	
Property		
Flexural Strength ASTM D-790		
MD (psi)	18,000	20,000
CD (psi)	12,000	16,000
Flexural Modulus ASTM D-790		
MD (psi)	1.6x10 ⁶	2.0 x10 ⁶
CD (psi)	1.4x10 ⁶	1.5x10 ⁶
Tensile Modulus ASTM D-638		
MD (psi)	18,000	18,000
CD (psi)	12,000	13,000

Fire Resistance:	Class A (0.250")	Class B (0.250")
Flame Spread Index - ASTM E-84 (BLDG):	5	30
Smoke Developed Values - ASTM E-84 (BLDG):	5	105
Fire Rating (Standard Product is Class B):	A	B

Manufacturing Tolerance:	
Thickness (.156 to .375)	+/- .020
Thickness (above .375 to 1.000)	+/- .030
CNC Shaped Size (Length - Width)	+/- .020
Drill Diameter	+/- .003
Drill Depth	+/- .020
CNC Hole to Hole	+/- .020
CNC Hole to Edge (1 Oper)	+/- .020
CNC Hole to Edge (2 Oper)	+/- .030
Routing - (Slots Width and Length)	+/- .015
Routing - (Slots Depth)	+/- .020

2.5 Accessories (Fasteners):

- A. Panel Fasteners: #10 x 1-1/4" flat Phillips head black oxide wood screws to be used with wood blocking and #10 x 1-1/4" flat Phillips head black oxide sheet metal screws to be used with sheet metal blocking as recommended by the manufacturer.
- B. Provide exposed fasteners with heads matching color of composite wall panels by means of factory-applied coating.
- C. Fasteners shall be designed to withstand effects of dead load and accommodate hydrothermal expansion/contraction of panel.
- D. Wall Panel Accessories: Provide components required for a complete composite wall panel assembly including trim, flashings, sealants, gaskets, fillers, closure strips, and similar items. Match material and finish of composite wall panels unless otherwise indicated.

3.1 Manufacturer's Execution Instructions:

- A. Compliance: Comply with manufacturer's/fabricator's/supplier's product data, handling and installation instruction/manual, shop drawings, shipping container/package ticket identification, etc.

3.2 Examination:

- A. Verify correct panels received including dimension, tolerance, color/texture.
- B. Verify correct attachment system received for the specific project/job.
- C. Verify all the documents including shop drawing and installation guidelines.
- D. Verify installation conditions are satisfactory to receive work of this section before the commencement
- E. Verify substrate installation is complete, flat, and true to plane.
- F. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.3 Preparation:

- A. Field Measurements: Verify prior to fabrication and installation of the cladding panel.
- B. Protect surrounding areas and surfaces to preclude damage during work of this section.
- C. Lay out work before beginning installation as necessary for true, plumb and aligned panel installations.
- D. Verify locations of joints and panel lengths.

3.4 Installation:

- A. Conform to manufacturer's instructions and provisions of shop drawings.
- B. Install to allow hydro-thermal expansion/contraction.
- C. Use appropriate techniques/tools to work with the panel.
- D. Do not force to fit, do not bend, stretch/compress.
- E. Make cutting and fitting neat, square, and true. Where required cut, de-burr edges, and clean fillings from adjacent surfaces.
- F. Do not install damaged or questionable panels.
- G. Install solid phenolic wall panels plumb and level and accurately spaced.
- H. Anchor panels and other components of the work securely in place, with provisions for thermal and structural movement.
- I. Shim or otherwise plumb substrates receiving composite wall panels.
- J. Do not use construction adhesives to apply wall panels directly to substrates or wall board. Use mechanical fasteners only.

3.5 Erection Tolerances:

- A. Shim and align composite wall panel units within installed tolerance of 1/4 inch in 20 feet, non-accumulative, on level, plumb, and location lines as indicated and within 1/8 inch offset of adjoining faces and of alignment of matching profiles.

3.6 Field Quality Control:

- A. Manufacturer's Field Service: Provide field services to ensure product installation is in accordance with manufacturer's/fabricator's/supplier's instructions and installation manual, shop drawings etc.

3.7 Adjusting:

- A. Correct identified defects and irregularities.
- B. Replace damaged soiled, and discolored work.

3.8 Cleaning:

- A. Leave installation clean and free from residue and debris from work of this Section.
- B. Panels best cleaned with warm soapy water and rinsed with clear water; allowed to dry fully.

SECTION 09900 - PAINTS AND COATINGS

1.1 General: Provide paints and coatings as shown and specified.

- A. Provide surface preparation, prime, intermediate and finish coatings for interior and exterior and existing scheduled surfaces and items.
- B. Provide Tenant-selected finishes and colors for all exposed surfaces, unless otherwise indicated.

1.2 Related Documents:

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this section.

1.3 Summary:

- A. This section includes surface preparation and field painting of the following:
- Exposed exterior items and surfaces.
 - Exposed interior items and surfaces.
 - Surface preparation, priming, and finish coats specified in this Section are in addition to shop priming and surface treatment specified in other Sections.

1.4 Quality Assurance:

- A. Applicator Qualifications: Engage an experienced applicator that has completed painting system applications similar in material and extent to that indicated for this Project with a record of successful in-service performance.
- B. Source Limitations: Obtain block fillers, primers and undercoat materials for each coating system from the same manufacturer as the finish coats.
- C. Provide lead free prime and finish coatings. All top coatings shall be mold and mildew resistant.

1.5 Delivery, Storage and Handling:

- A. Deliver materials to the Project Site in manufacturer's original, unopened packages and containers bearing manufacturer's name and label, and the following information:
- Product name or tile of material.
 - Product description (generic classification or binder type).
 - Manufacturer's stock number and date of manufacture.
 - Contents by volume, for pigment and vehicle constituents.
 - Thinning instructions.
 - Application instructions.
 - Color name and number.
 - VOC content
- B. Store materials not in use in tightly covered containers in a well-ventilated area at a minimum ambient temperature of 45 degrees F (7 degrees C). Maintain containers used in storage in a clean condition, free of foreign materials and residue.
- Protect from freezing. Keep storage area neat and orderly. Remove oily rags and waste daily. Take necessary measures to ensure that workers and work areas are protected from fire and health hazards resulting from handling, mixing and application.

1.6 Project Conditions

- A. Apply water-based paints only when the temperatures of surfaces to be painted and surrounding air temperatures are between 50 and 90 degrees F (10 and 32 degrees C) unless otherwise stated on the technical data bulletin.
- B. Apply solvent-thinned paints only when the temperature of surfaces to be painted and surrounding air temperatures are between 45 and 95 degrees F (7.2 and 35 degrees C).
- C. Do not apply paint in snow, rain, fog, or mist, or when the relative humidity exceeds 85 percent, or at temperatures less than 5 degrees F (3 degrees C) above the dew point, or to damp or wet surfaces.
- Painting may continue during inclement weather if surfaces and areas to be painted are enclosed and heated within temperature limits specified by manufacturer during application and drying periods.

2.1 Manufacturers:

- A. Products: Subject to compliance with requirements, provide one of the products in the paint schedules.
- B. Manufacturers Names: The following manufacturer is referred to in the paint schedule by use of shortened versions of the name, which is shown below:
- PPG Industries, Inc.
 - Materials - No substitutions allowed.

2.2 Paint Materials, General

- A. Material Compatibility: Provide block fillers, primers, undercoats, and finish-coat materials that are compatible with one another and the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.
- B. Material Quality: Provide manufacturer's best-quality "professional" paint material of the various coating types specified. Paint-material containers not displaying manufacturer's product identification will not be acceptable.

Colors: Color guided selected by owner and will be strictly adhered too, unless otherwise noted.

C. Exterior Coatings:

Exterior Ferrous Metals:

Preparation: Remove all visible oil, grease, soil, rust and all other soluble contaminates from steel surface. Uniformly roughen surface with 150 grit paper. Remove all dust before solvent cleaning by the use of stiff bristle brush.

Prime: (1) coat PPG; 4020PF Series Pitt-Tech Plus Int/Ext DTM Acrylic Industrial Primer (90 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.

Finish: (2) coats PPG; 4216 Plus HP Series Pitt-Tech Plus Semi-Gloss DTM Industrial Enamels (90 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.

Application: Conventional or HVLP (high volume low pressure)

Exterior and Interior Gas Piping:

Preparation: Remove all visible oil, grease, soil, rust and all other soluble contaminates from pipe surface. Remove all dust before solvent cleaning by the use of stiff bristle brush.

Prime: (1) coat PPG; 4020PF Series Pitt-Tech Plus Int/Ext DTM Acrylic Industrial Primer (90 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.

Finish: (2) Coats PPG; 4216 Plus HP Series Pitt-Tech Plus Semi-Gloss DTM Industrial Enamels (90 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils

Application: Conventional or HVLP (high volume low pressure)

Exterior Patio Walling:

Preparation: Remove all visible oil, grease, soil, loose paint, rust and all other soluble contaminates from steel surface. Remove all dust before solvent cleaning SSPC-SP1 by the use of stiff bristle brush. SSPC-SP3 may be required as a more aggressive preparation to remove loose mill scale, loose rust, loose paint and other loose detrimental foreign matter from the surface. Performance is better with more aggressive preparation.

Prime: (1) coat PPG; 95-3300 Durathane DTM Urethane Mastic (250 g/L VOC): Applied at a dry film thickness of not less than 3.0 to 5.0 mils.

Finish: (1) coat PPG; 95-3300 Durathane DTM Urethane Mastic (250 g/L VOC): Applied at a dry film thickness of not less than 3.0 to 5.0 mils.

Application: Conventional or HVLP (high volume low pressure) be done with conventional spray or airless equipment or brush or roller.

Exterior Prefinished Metal Wall Panels:

Preparation: Before applying primer or other surface treatments, clean galvanized metal surface to SSPC-SP1 that could impair bond of the various coatings. Remove oil, grease and soap film before priming use of Krud Kutter Metal Clean & Etch may be required on bare or new galvanized. Surface must be clean, dry and free of contaminants, including salt deposits. Additional prep may be needed to SSPC-SP2. Schedule cleaning and painting so dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.

Note: Some selected areas of bare concrete surfaces will require (1) coat of Perma Crete 4-603XI Alkali Resistant Concrete Primer before steel installation over all concrete surfaces.

Owner Option 1:

Prime: (1) coat XIM Primer Bond - Applied at a dry film thickness of not less than 1.5 to 2.0 mils.

Finish: (2) coats PPG; 90-1110 Series Pitt-Tech Satin DTM Industrial Enamels (90 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.

Owner Option 2:

Prime: (1) coat PPG; 97-245 Pitt-Guard DTR Epoxy Mastic Primer (263 g/L VOC): Applied at a dry film thickness of not less than 4.0 to 7.0 mils.

Finish: (2) coats PPG; 95-3300 Durathane Urethane Mastic (240 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.

Owner Option 3 (Low VOC):

Prime: (1) coat PPG; Amerlock 2 Fast Dry VOC Compliant Epoxy (84 g/L VOC): Applied at a dry film thickness of not less than 4.0 to 6.0 mils.

Finish: (2) coats PPG; Amershield VOC Aliphatic Urethane (84 g/L VOC): Applied at a dry film thickness of not less than 5.0 to 8.0 mils.

Application: Conventional or HVLP (high volume low pressure) be done with conventional spray or airless equipment or brush or roller.

Exterior Galvanized Metal:

Preparation: Before applying primer or other surface treatments, clean galvanized metal surface to SSPC-SP1 that could impair bond of the various coatings. Remove oil, grease and soap film before priming use of Krud Kutter Metal Clean & Etch may be required on bare or new galvanized. Surface must be clean, dry and free of contaminants, including salt deposits. Additional prep may be needed to SSPC-SP2. Schedule cleaning and painting so dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.

Note: Some selected areas of bare concrete surfaces will require (1) coat of Perma Crete 4-503 Concrete Primer before steel installation over all concrete surfaces.

Owner Option 1:

Prime: (1) coat PPG; 6-209 SpeedHide Galvanized Metal Primer (400 g/L VOC): Applied at a dry film thickness of not less than 3.0 to 5.0 mils.

Finish: (2) coats PPG; 4216 Plus HP Series Pitt-Tech Plus Semi-Gloss DTM Industrial Enamels (90 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.

Owner Option 2:

Prime: (1) coat PPG; 97-245 Pitt-Guard DTR Epoxy Mastic Primer (263 g/L VOC): Applied at a dry film thickness of not less than 4.0 to 7.0 mils.

Finish: (2) coats PPG; 95-3300 Durathane Urethane Mastic (240 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.

Owner Option 3 (Low VOC):

Prime: (1) coat PPG; Amerlock 2 Fast Dry VOC Compliant Epoxy (84 g/L VOC): Applied at a dry film thickness of not less than 4.0 to 6.0 mils.

Finish: (2) coats PPG; Amershield VOC Aliphatic Urethane (84 g/L VOC): Applied at a dry film thickness of not less than 5.0 to 8.0 mils.

Application: Conventional or HVLP (high volume low pressure) be done with conventional spray or airless equipment or brush or roller.

CONSULTANT:



CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
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PROJECT INFORMATION:

STORE NO.: 5326
"GREENFIELD WI"
8515 SURA LANE
GREENFIELD, WI 53228

SEAL:



December 20, 2024

MATTHEW M. WILKUS
LICENSE #12262-5
(EXPIRES 07/31/2026)

PROJECT NO. 2023-0549

DRAWN BY ABM

CHECKED BY DRL, CJG

ISSUE RECORD:

08/26/2024 PERMIT SET

11/22/2024 BID SET

12/20/2024 CONSTRUCTION SET

REVISIONS:

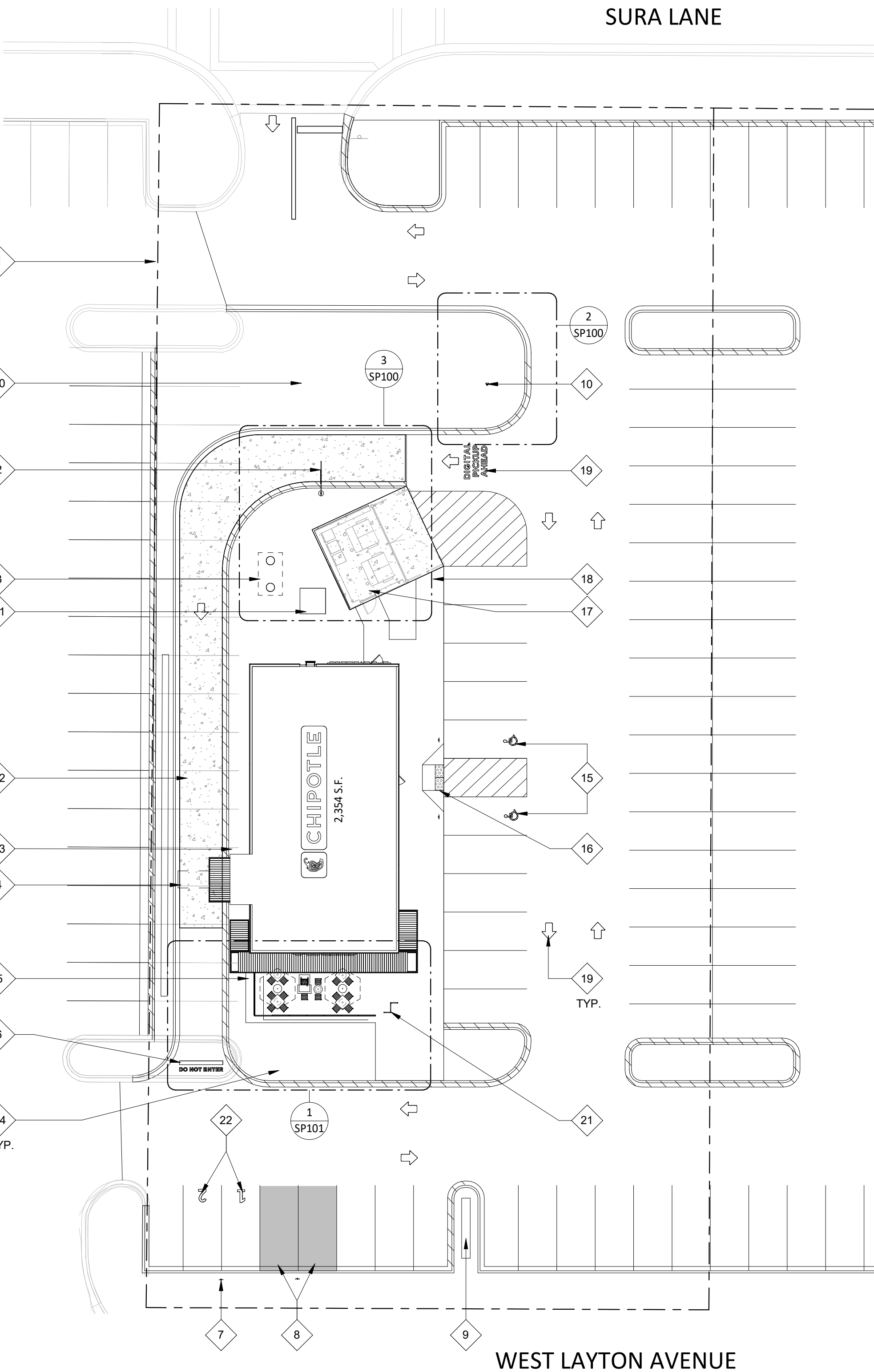
1 11/22/2024 BID SET

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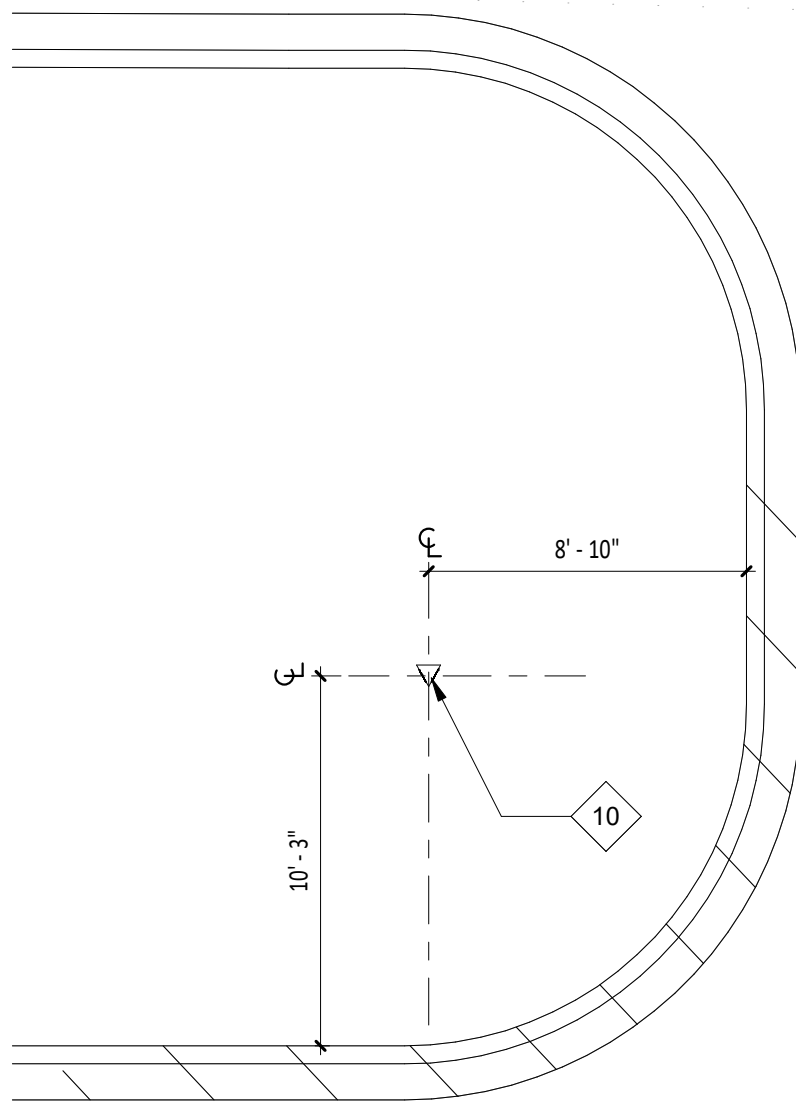
ARCHITECTURAL
SPECIFICATIONS

SHEET NUMBER:

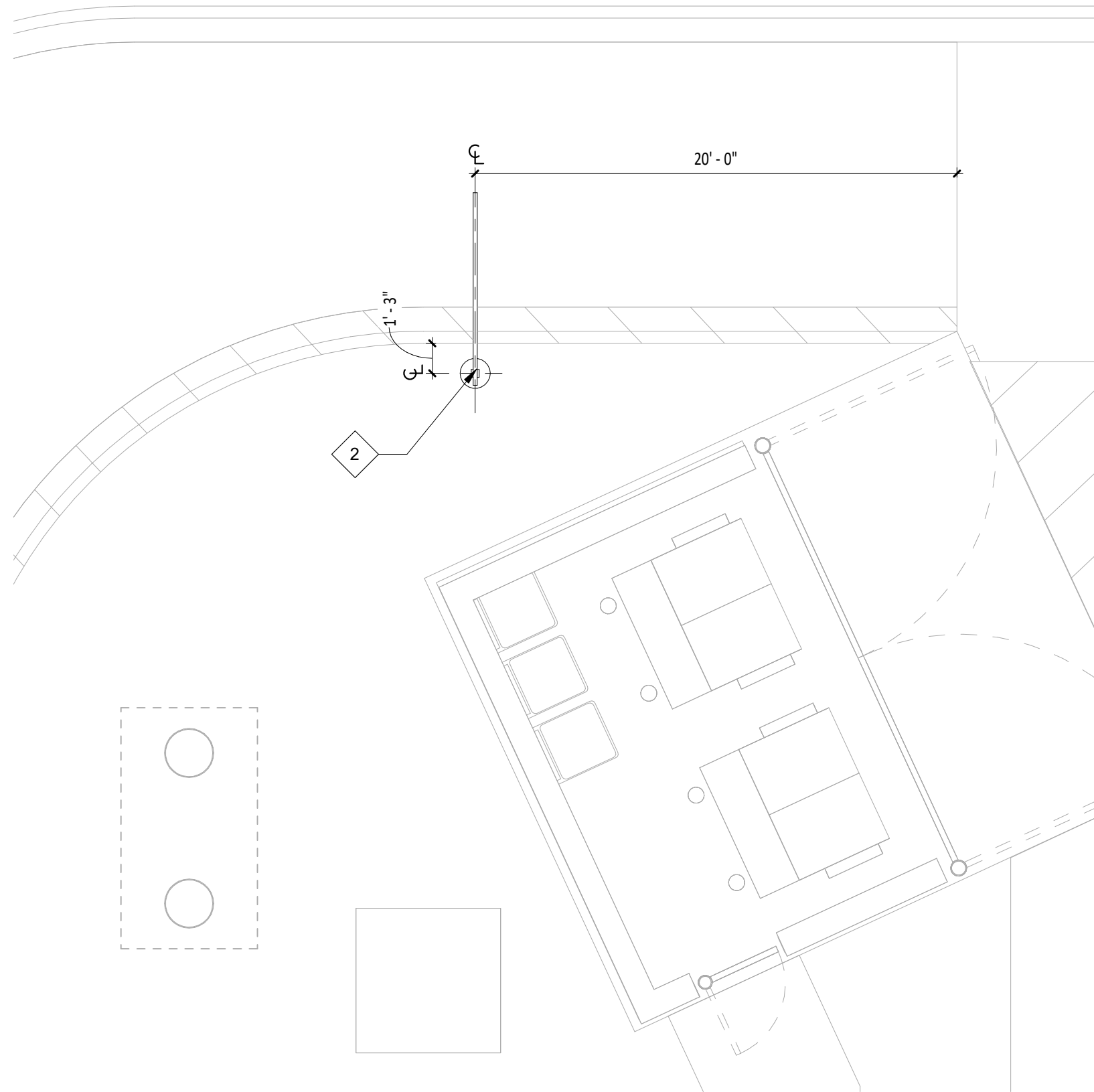
G016



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



2 "DIGITAL PICK-UP SIGNAGE" DIMENSIONED
SCALE: 3/16" = 1'-0"



3 CLEARANCE BAR DIMENSIONED
SCALE: 3/16" = 1'-0"

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 | PROPERTY LINE LOCATION. |
| 2 | CLEARANCE BAR - FOUNDATION AND CLEARANCE BAR ASSEMBLY PROVIDED AND INSTALLED BY THE SIGNAGE VENDOR. |
| 3 | 1,500 GALLON GREASE INTERCEPTOR LOCATION BY LANDLORD - REFER TO CIVIL DRAWINGS FOR FINAL LOCATION. |
| 4 | LOOP DETECTOR INSTALLED BY CHIPOTLE'S GENERAL CONTRACTOR - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION - ONE (1) 1" CONDUIT STUB-UP PROVIDED BY LANDLORD. |
| 5 | PATIO SLAB PROVIDED BY LANDLORD, PATIO RAILING BY CHIPOTLE RAILING SUPPLIER AND INSTALLATION BY CHIPOTLE GENERAL CONTRACTOR. |
| 6 | "DO NOT ENTER" TEXT STRIPING AND STOP BAR, BY LANDLORD. |
| 7 | ONE (1) SHARED POLE SIGN FOR PULL-AHEAD PARKING SPACES - FOUNDATION AND POLE BY GENERAL CONTRACTOR - SHARED SIGN PROVIDED BY THE SIGNAGE VENDOR AND TO BE INSTALLED BY GENERAL CONTRACTOR. |
| 8 | TWO (2) SPACES MARKED FOR 'BURRITO LOADING ZONE' PARKING WITH SHARED POLE SIGN - FOUNDATION AND POLE BY GENERAL CONTRACTOR - SHARED SIGN PROVIDED BY THE SIGNAGE VENDOR AND TO BE INSTALLED BY GENERAL CONTRACTOR. |
| 9 | MONUMENT SIGNAGE BASE LOCATION, BY LANDLORD WITH TWO (2) TENANT SIGN PANELS, ONE (1) EACH SIDE, BY CHIPOTLE - SIGN CABINET AND POWER HOOK-UPS ARE TO BE PROVIDED BY THE SIGNAGE VENDOR. |
| 10 | "DIGITAL PICK-UP SIGNAGE" - FOUNDATION AND SIGNAGE ASSEMBLY AND PROVIDED AND INSTALLED BY THE SIGNAGE VENDOR - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION - ONE (1) 1" CONDUIT STUB-UP PROVIDED BY LANDLORD. |
| 11 | TRANSFORMER PAD LOCATION, BY LANDLORD - REFER TO CIVIL DRAWINGS FOR FINAL LOCATION. |
| 12 | 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 BY LANDLORD. |
| 13 | CONCRETE SAFETY BOLLARD, BY LANDLORD. |
| 14 | SITE LIGHTING, TYP. BY LANDLORD. |
| 15 | TWO (2) ADA ACCESSIBLE PARKING SPACES MARKED WITH STRIPING AND SIGN POSTS, BY LANDLORD |
| 16 | CURB RAMP FOR ACCESSIBLE PATH TRAVEL AND CROSSWALK FOR PEDESRIAN ACCESS BY LANDLORD. |
| 17 | 14' - 0" x 20' - 0" TRASH ENCLOSURE, PAD APRON AND BOLLARDS BY LANDLORD. |
| 18 | CURB RAMP FOR DELIVERIES BY LANDLORD. |
| 19 | "DIGITAL PICKUP AHEAD" AND DIRECTION ARROWS PROVIDED BY LANDLORD. |
| 20 | LANDSCAPING AREA AND IRRIGATION SYSTEM, BY LANDLORD. |
| 21 | BIKE RACK(S) PROVIDED BY LANDLORD - REFER TO CIVIL DRAWINGS FOR FINAL LOCATION. |
| 22 | TWO (2) PULL-AHEAD PARKING SPACES MARKED WITH WHITE NUMBERS PARALLEL TO STRIPING AND CENTERED IN SPACE BY LANDLORD. |

CONSULTANT:



CLIENT:



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PROJECT INFORMATION:

STORE NO.: 5326
"GREENFIELD WI"
8515 SURA LANE
GREENFIELD, WI 53228

SEAL:



PROJECT NO. 2023-0549
DRAWN BY ABM
CHECKED BY DRL, C.J.G.

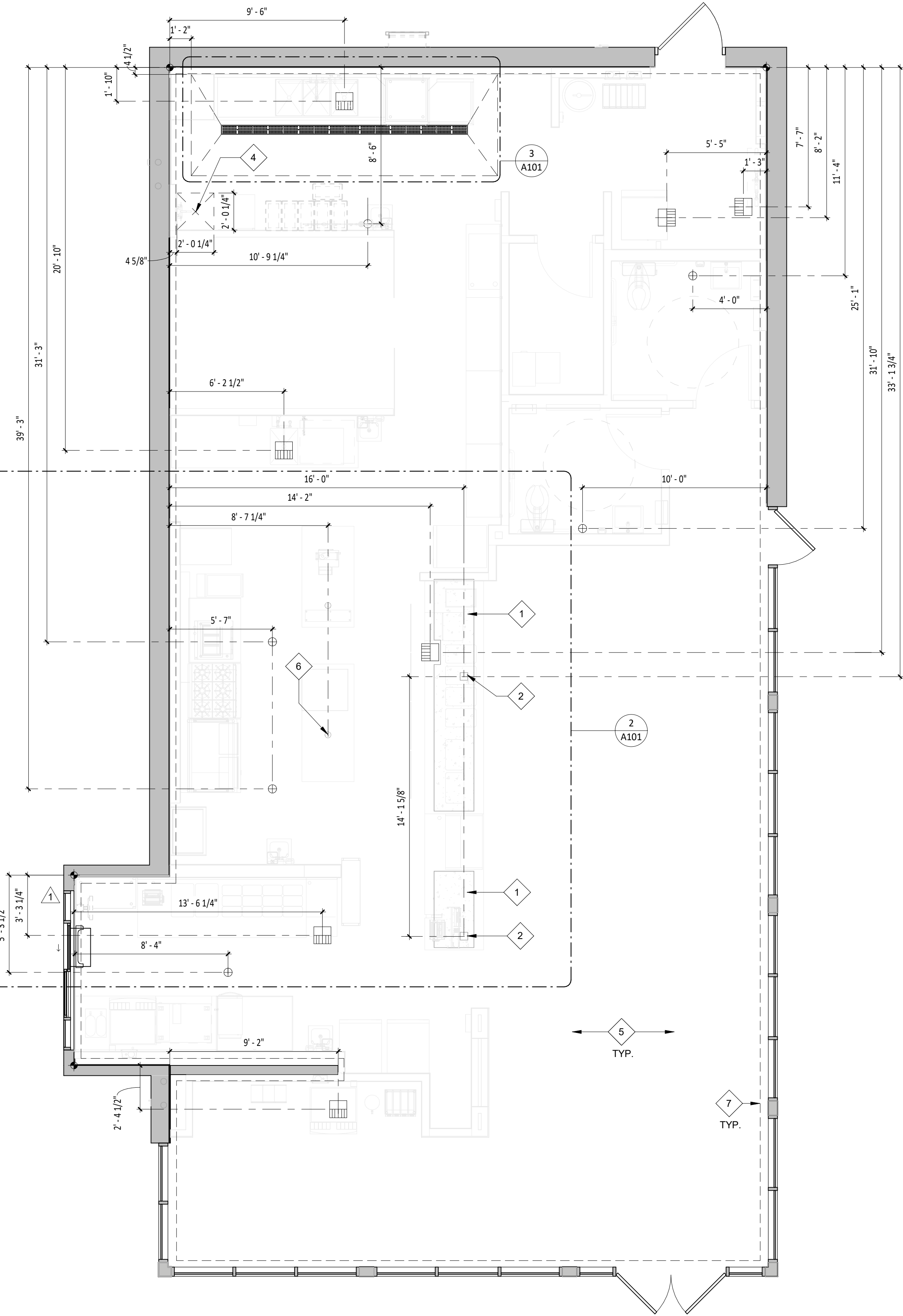
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11/22/2024 BID SET
12/20/2024 CONSTRUCTION SET

REVISIONS:
1 11/22/2024 BID SET

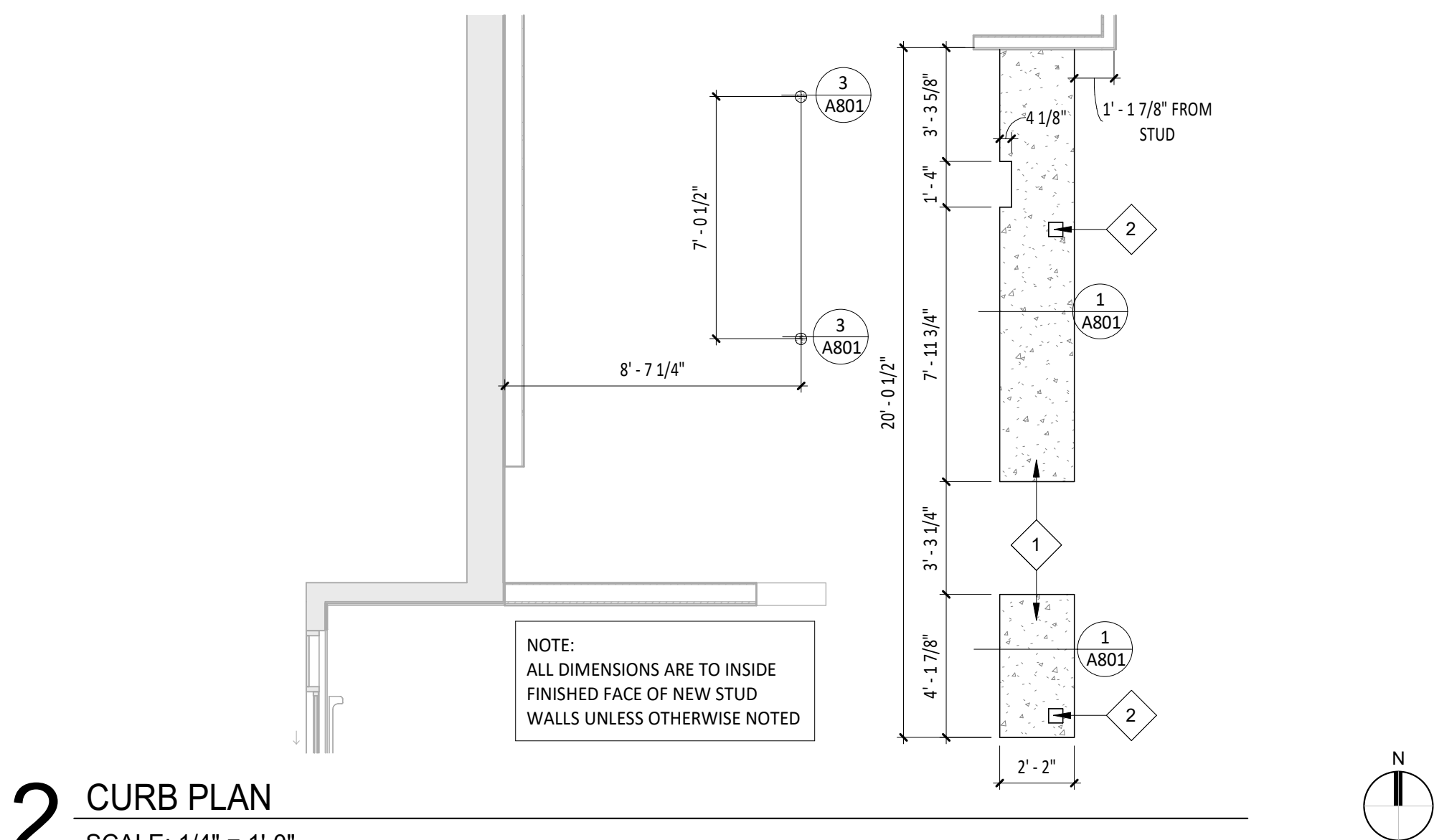
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SITE PLAN

SHEET NUMBER:

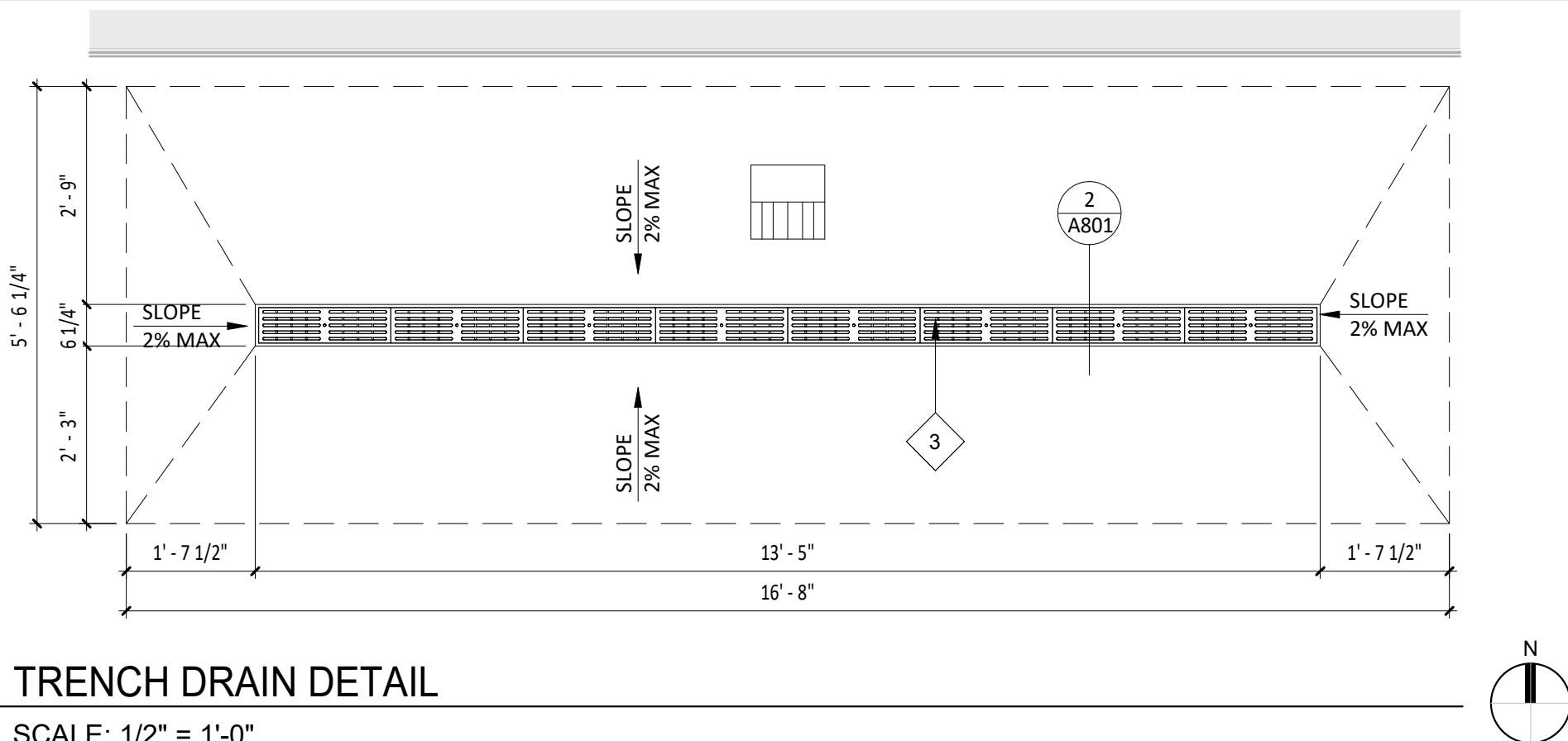
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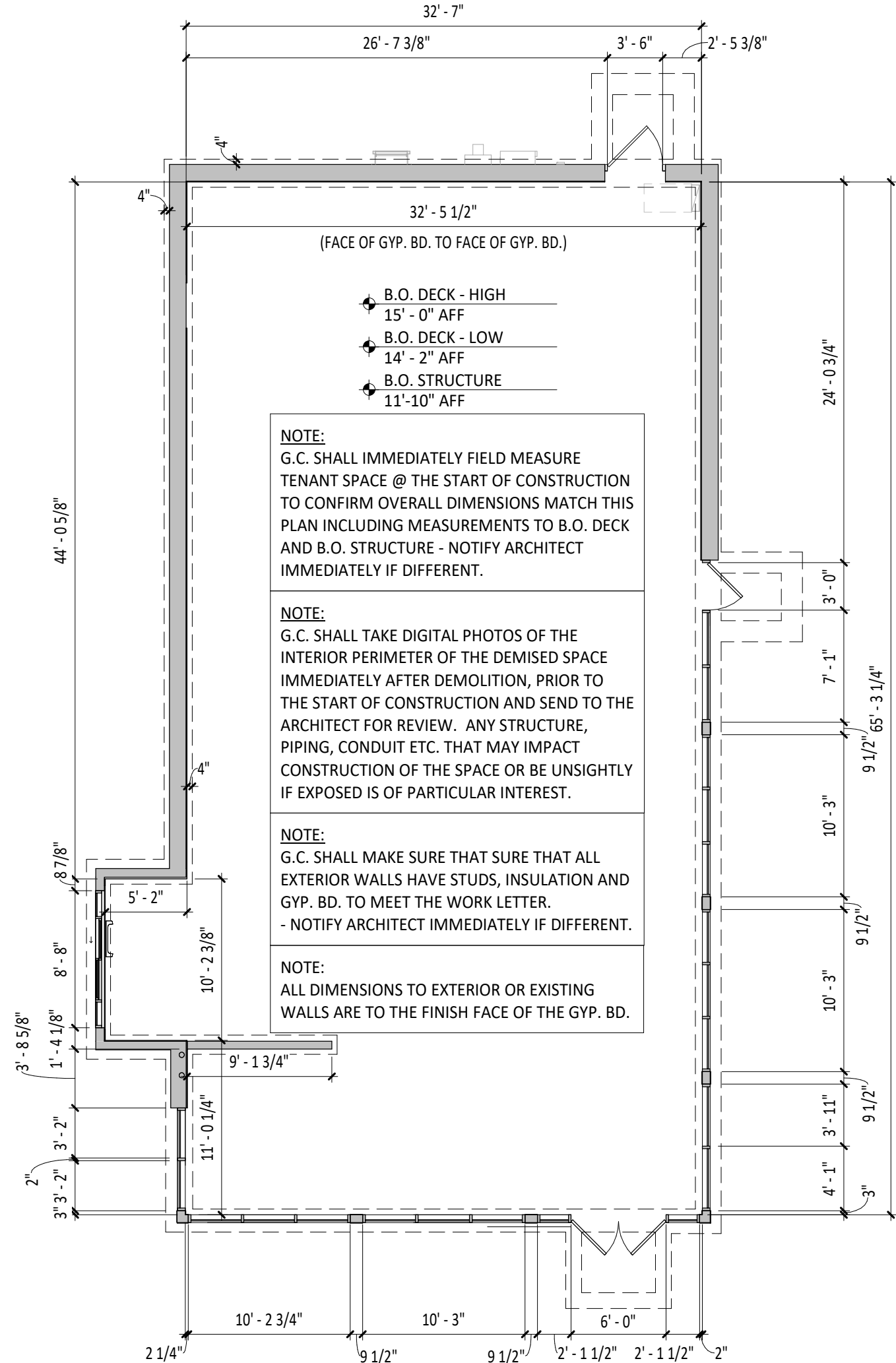
1 SLAB WORK PLAN
SCALE: 1/4" = 1'-0"



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



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



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

GENERAL NOTES - SLAB PLAN

- 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.
- ALL DIMENSIONS ARE TO THE CENTERLINE OF FIXTURE UNLESS OTHERWISE NOTED.
- GC TO REVIEW ELECTRICAL PLANS FOR LIGHTING OR POWER STUB LOCATIONS PRIOR TO POURING SLAB.
- REFER TO "03300 - CAST-IN-PLACE CONCRETE" IN SPECIFICATIONS FOR CONCRETE PATCHING OR INSTALLATION INFORMATION.
- VERIFY PERIMETER FOUNDATION INSULATION IS EXISTING IN FIELD AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 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.
- EXISTING SLAB TO BE TRENCHED AS NEEDED PER PLUMBING AND ARCHITECTURAL PLANS

PLUMBING LEGEND

- FLOOR SINK LOCATION FLOOR DRAIN LOCATION

KEYNOTE LEGEND

- 4" CONCRETE CURB - COORDINATE EXACT LOCATION WITH FINAL EQUIPMENT LOCATIONS - SEE DETAILS 1/A801 FOR ADDITIONAL INFORMATION.
- 5" X 5" POWER STUB LOCATION - COORDINATE WITH ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- 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.
- OUTLINE OF MOP SINK AS INDICATED.
- CHIPOTLE TO PROVIDE POROUS FILL - CHIPOTLE GENERAL CONTRACTOR TO PROVIDE 10 MIL VAPOR BARRIER AND 4" MINIMUM CONCRETE SLAB ON GRADE - REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 4" PVC PIPE WITH 2" HIGH CONCRETE INFILL FOR POWER STUBS - TYPICAL OF TWO (2) - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- DASHED LINE INDICATES EXTENTS OF SLAB SKIRT PROVIDED BY LANDLORD.

CONSULTANT:



CLIENT:

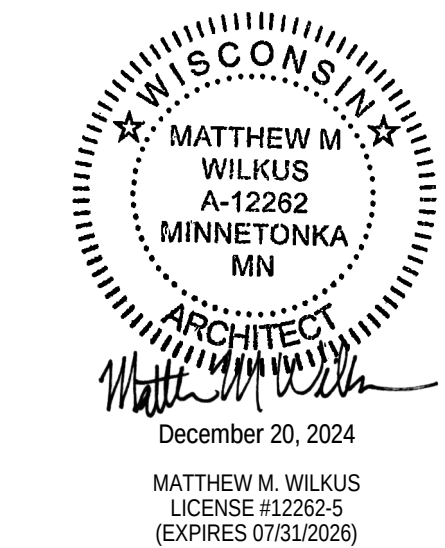


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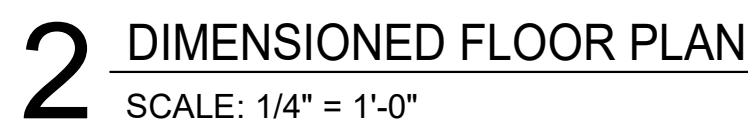
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SLAB WORK PLAN

SHEET NUMBER:

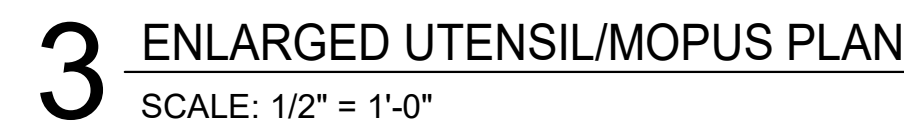
A101

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.



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

- 1 WHERE GREASE EXHAUST HOOD INTERSECTS WALLS, PROVIDE 24 GAUGE GALVANIZED METAL FROM TOP OF
- 2 WALL TO 18" PAST HOOD IN ALL DIRECTIONS.
- 3 FOR ALL REQUIRED BLOCKING LOCATIONS, REFER TO ELEVATIONS AT A710.
- 4 PROVIDE 25 GAUGE GALVANIZED METAL TO 50 1/2" A.F.F.
- 5 LOCATION OF WALL PASS-THROUGH OPENING - REFER TO A702.
- 6 SUBSTRATE FACES TO ALIGN.
- 7 DASHED LINES INDICATE LOCATION OF SOFFIT ABOVE - REFER TO A201 FOR ADDITIONAL INFORMATION.
- 8 FOR LOCATION OF LOW-WALL CONDITION AT MOPUS - REFER TO A502, A701 AND A702.
- 9 PROVIDE MOUNTING BOARDS FOR SECURITY SYSTEMS AND TELECOMS - REFER TO ELECTRICAL DRAWINGS FOR
- 10 ADDITIONAL INFORMATION.
- 11 CONCRETE CURB TO BUILD UP AGAINST FACE OF FRAMING.
- 12 PROVIDE IN-WALL BLOCKING FOR LICENSE FRAME AS REQUIRED.
- 13 PROVIDE IN-WALL BLOCKING FOR ARTWORK.
- 14 DRYER VENTS IN WALL FOR SODA LINES ROUTED ABOVE 4" PVC PIPES - REFER TO A801 FOR ADDITIONAL
- 15 INFORMATION.
- 16 HATCH LOCATED WITHIN WALLS AS SHOWN INDICATES THAT TOP OF FRAMING IS TO NOT EXCEED 10'-0" AFF.
- 17 DASHED LINES INDICATE LOCATION OF SOFFIT WALL TO DECK ABOVE - REFER TO A201 FOR ADDITIONAL
- 18 INFORMATION.
- 19 DASHED LINES INDICATE LOCATION OF HEADER ABOVE - REFER TO A201 FOR ADDITIONAL INFORMATION.
- 20 EDGE OF GYP. BD. CEILING ABOVE, REFER TO A201 FOR DETAILS.



WILKUS
ARCHITECTS



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WISCONSIN
 MATTHEW M. WILKUS
 A-12262
 MINNETONKA, MN
 ARCHITECT
 December 20, 2024
 MATTHEW M. WILKUS
 LICENSE #12262-5
 (EXPIRES 07/31/2026)

PROJECT NO. 2023-0549
DRAWN BY ABM
CHECKED BY DRL, CJG

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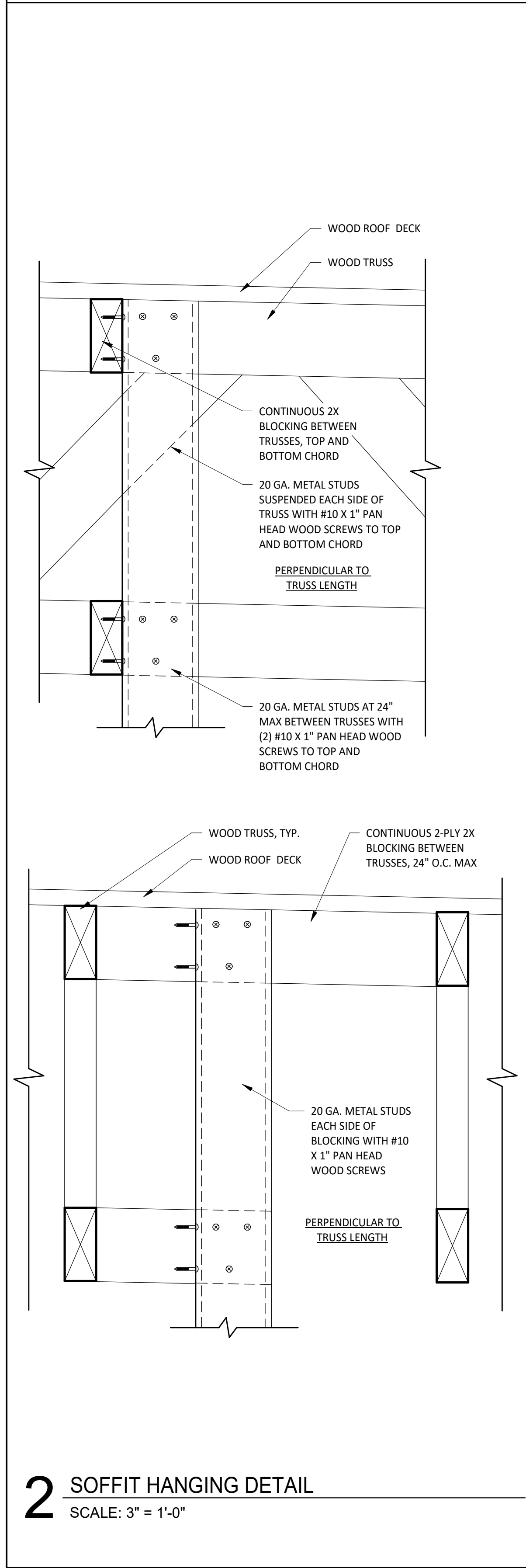
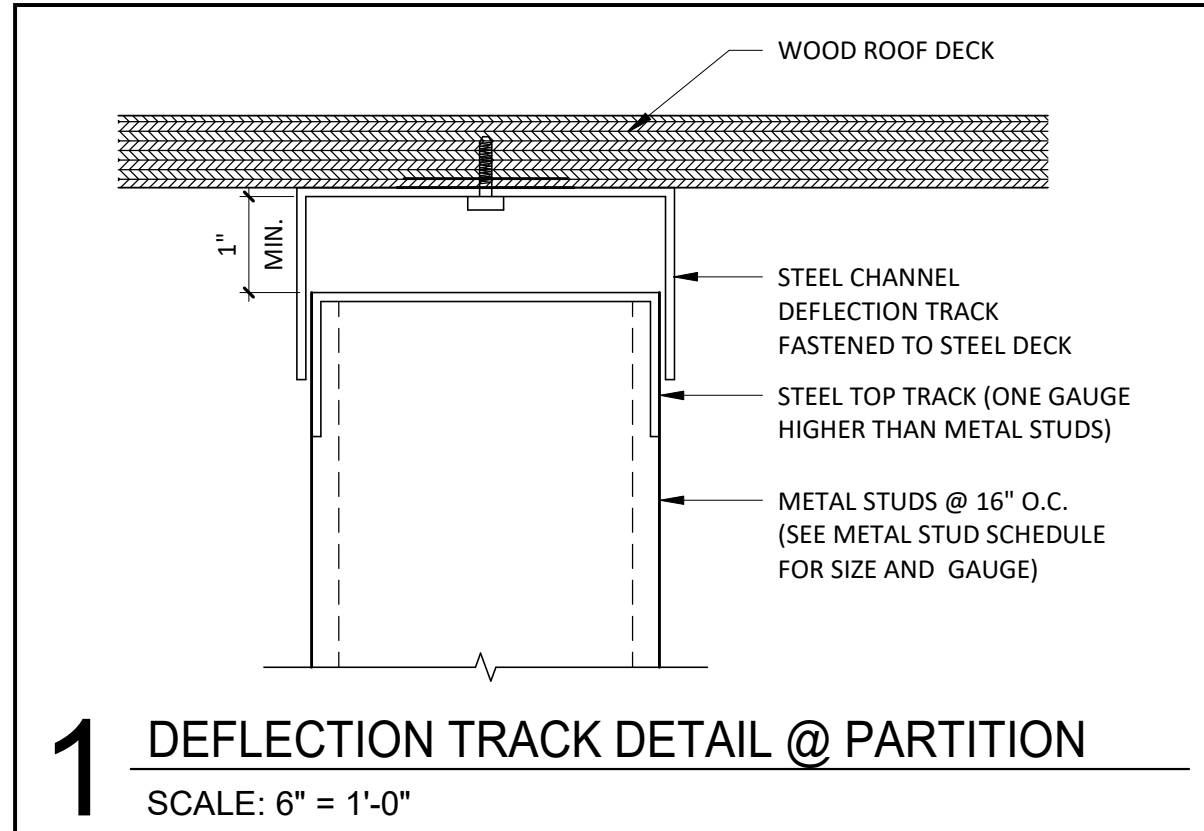
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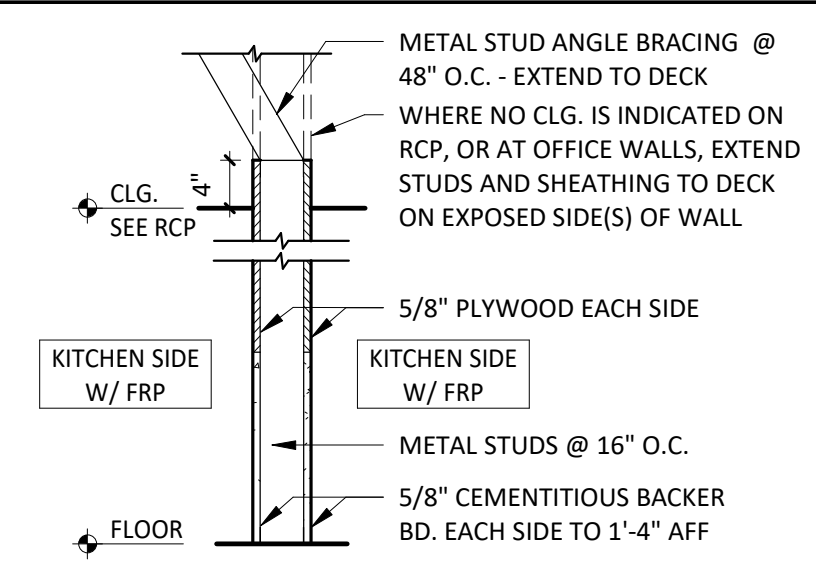
ARCHITECTURAL
FLOOR PLAN

SHEET NUMBER: _____

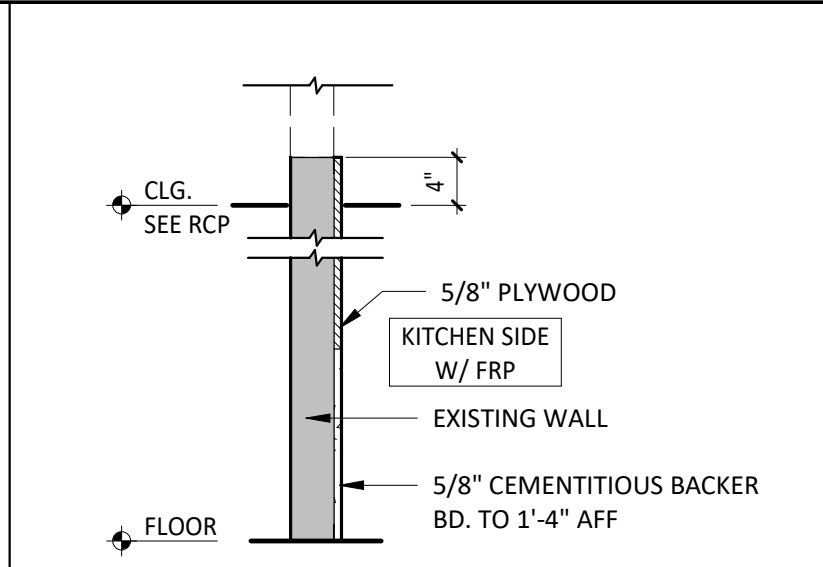
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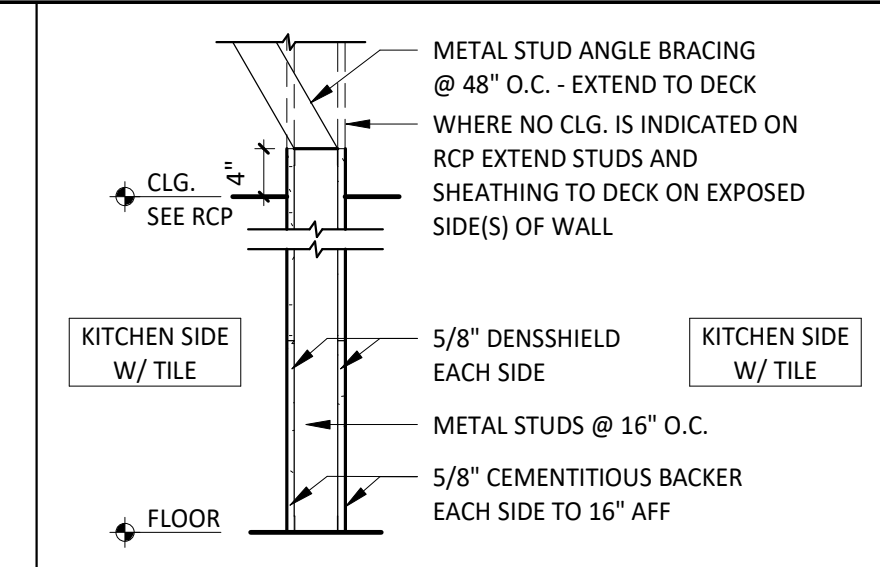
WALL TYPES



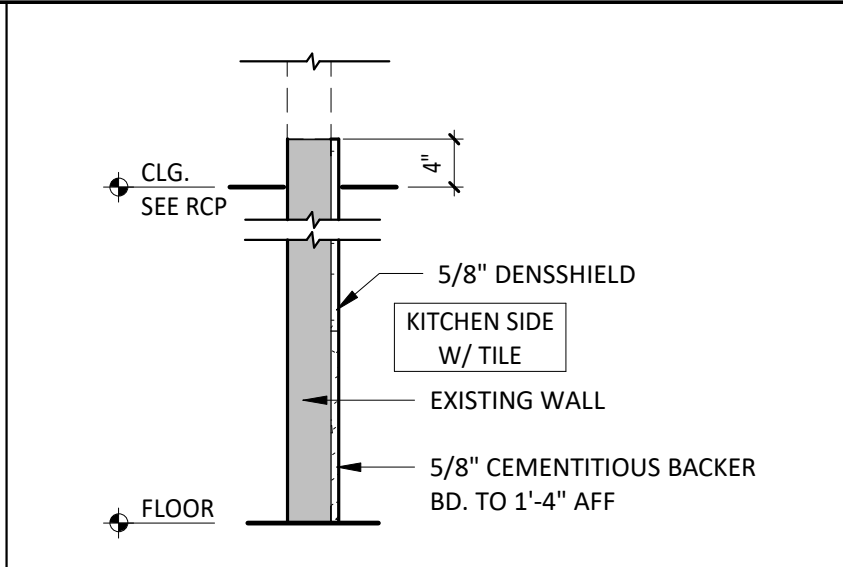
W1 INTERIOR PARTITION
W1a INTERIOR PARTITION (1-SIDE ONLY)



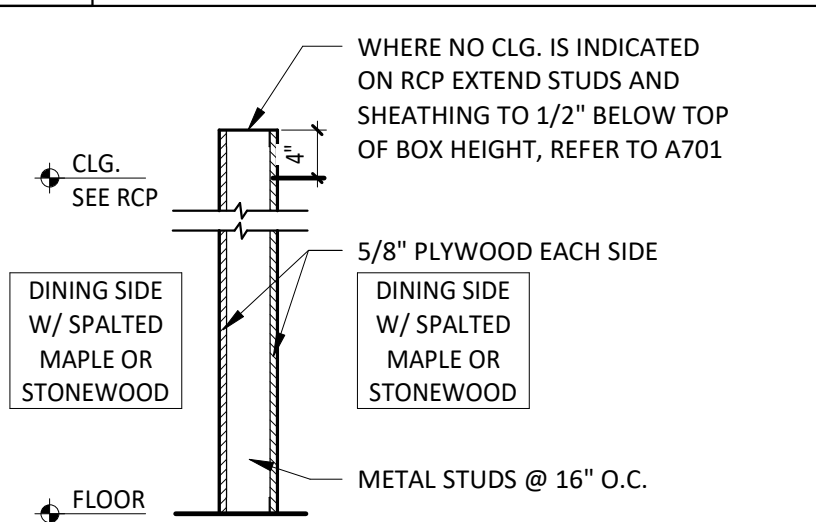
W1ax INTERIOR PARTITION (SUBSTRATE ONLY)



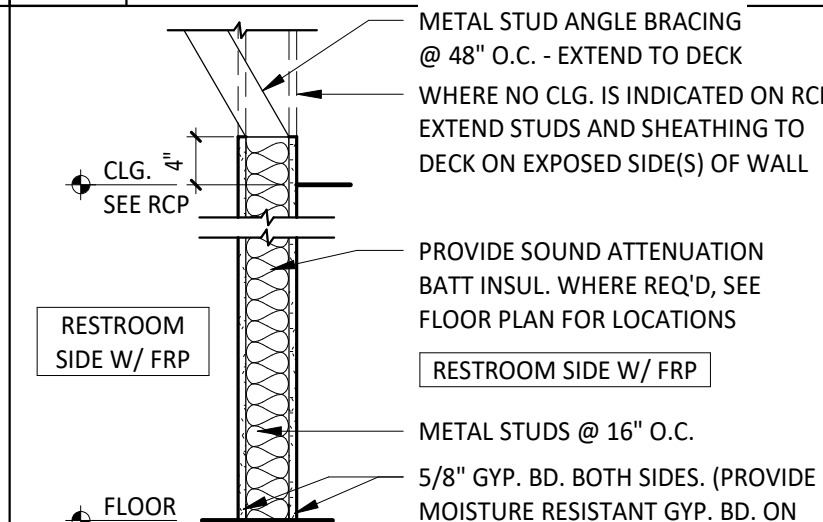
W3 INTERIOR PARTITION (NOT USED)
W3a INTERIOR PARTITION (1-SIDE ONLY)



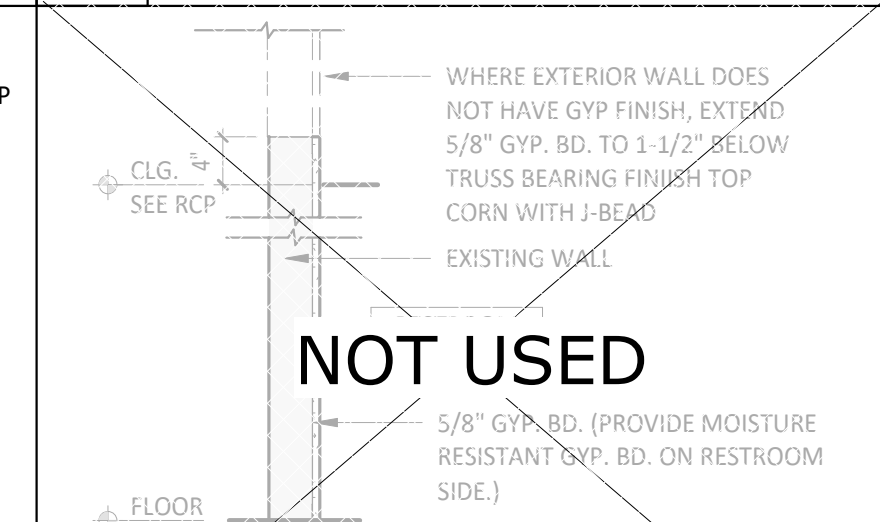
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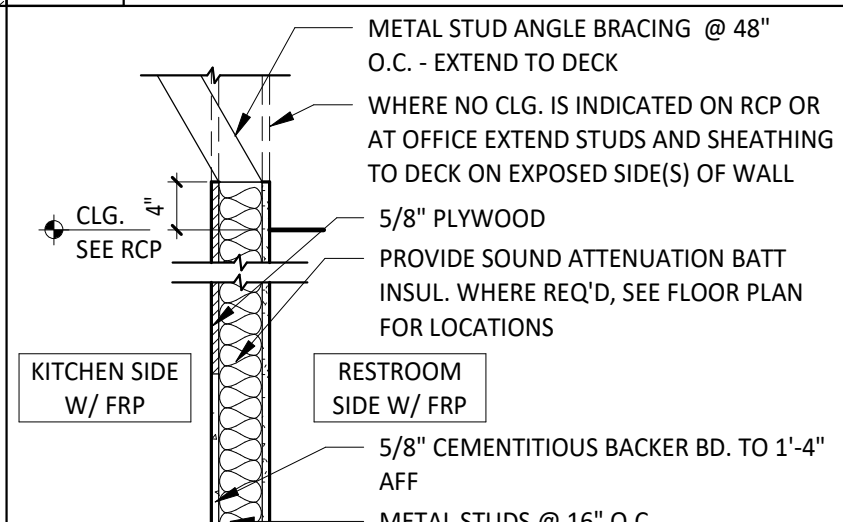
W4 INTERIOR PARTITION (NOT USED)
W4a INTERIOR PARTITION (1-SIDE ONLY)



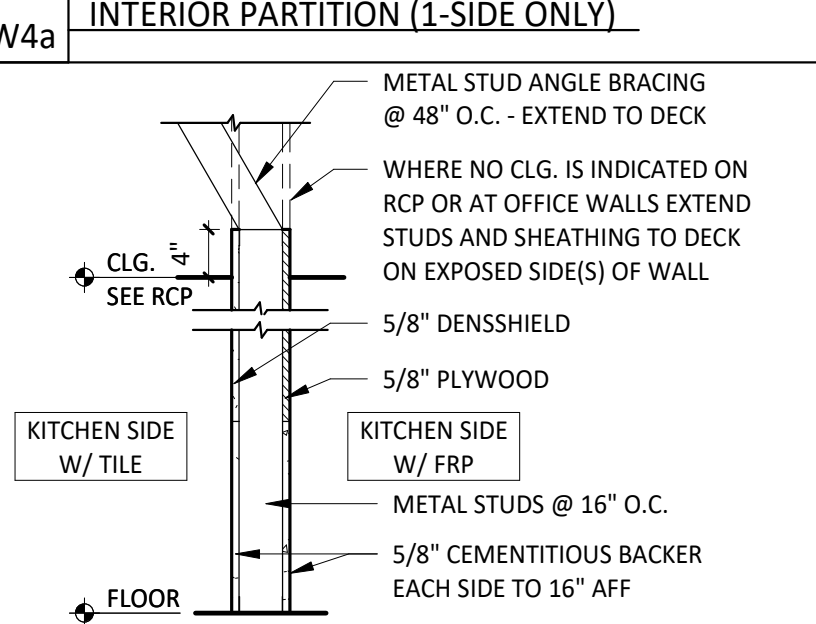
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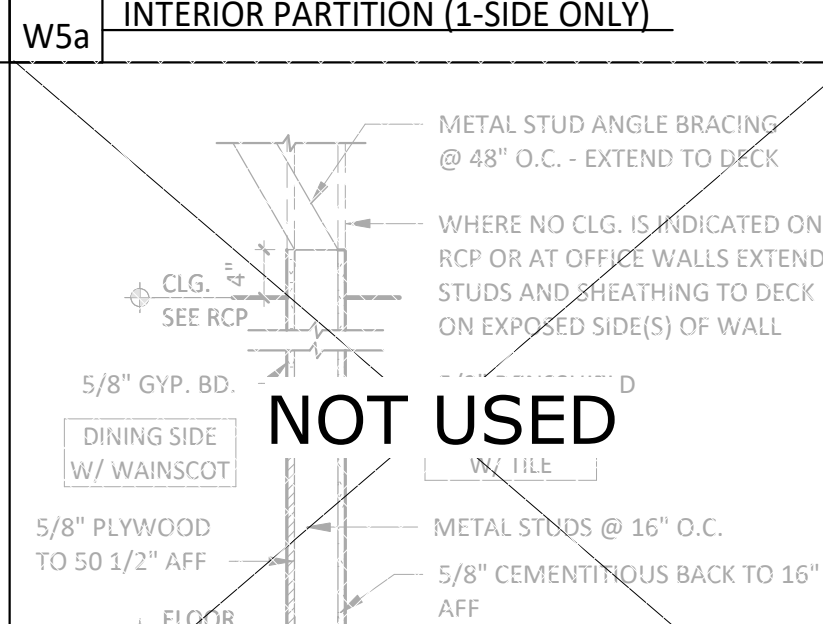
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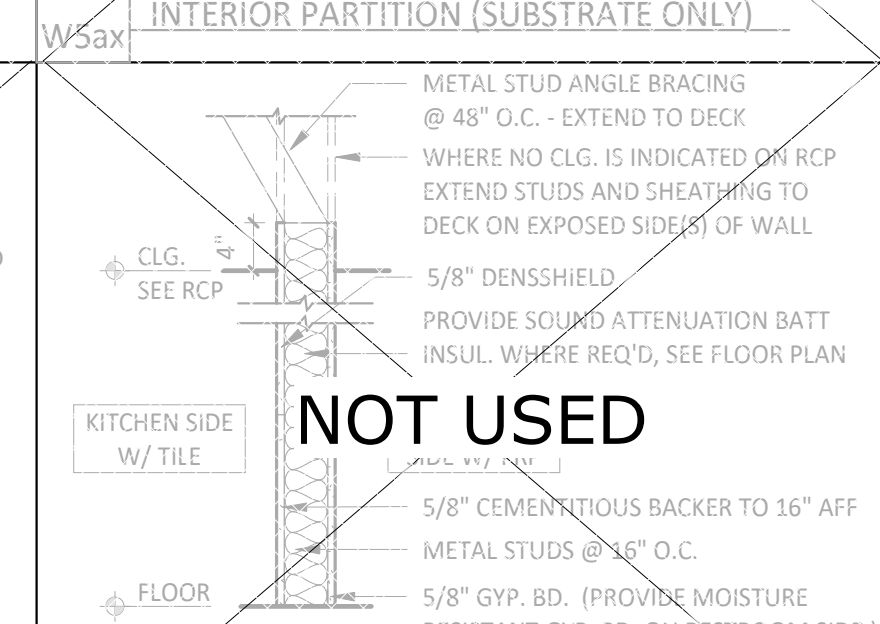
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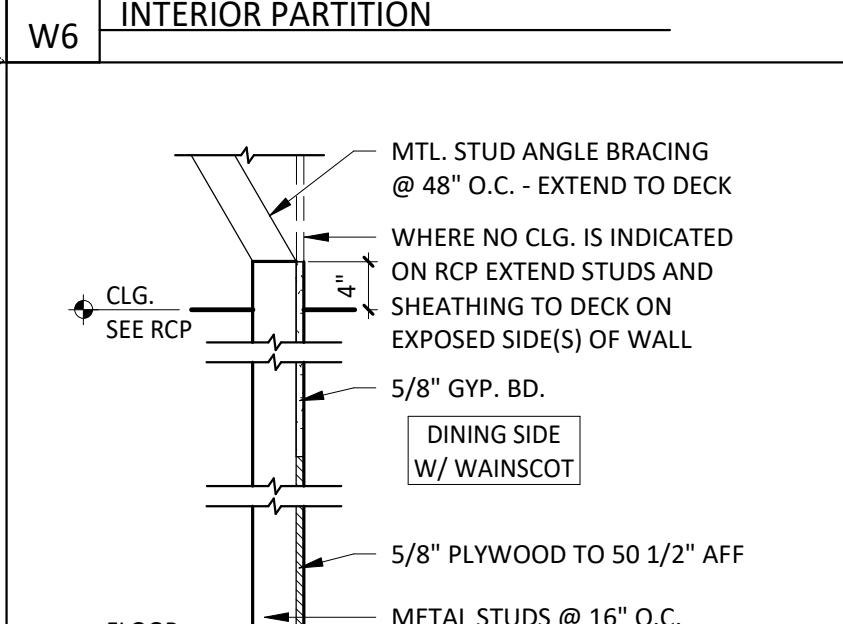
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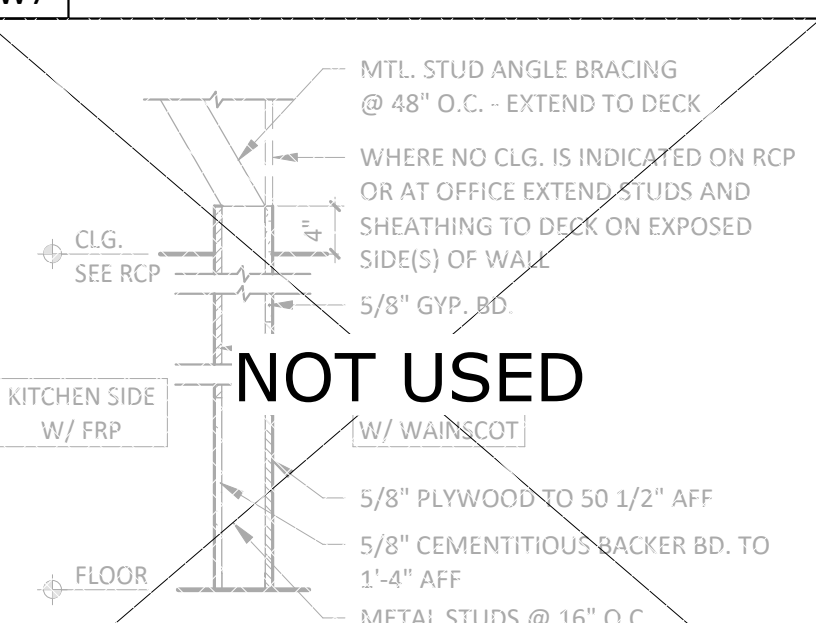
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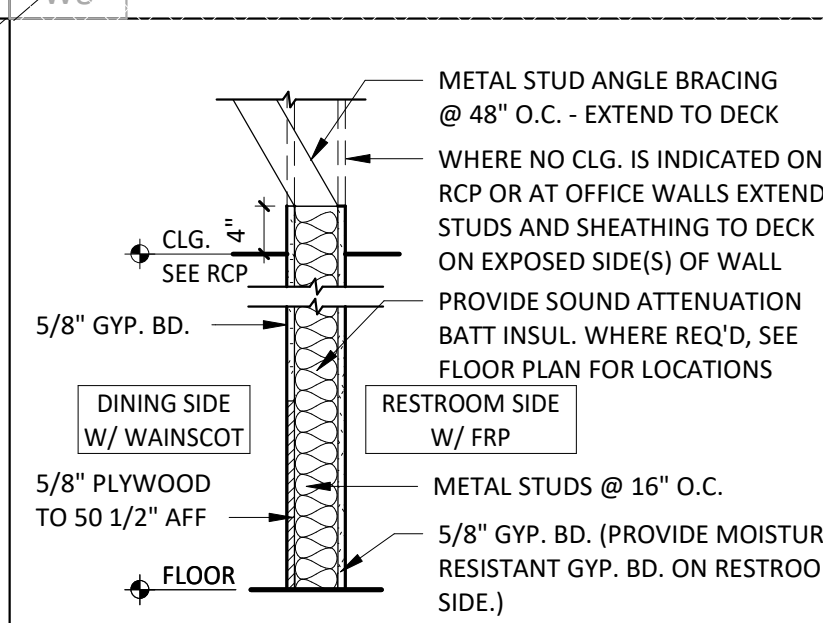
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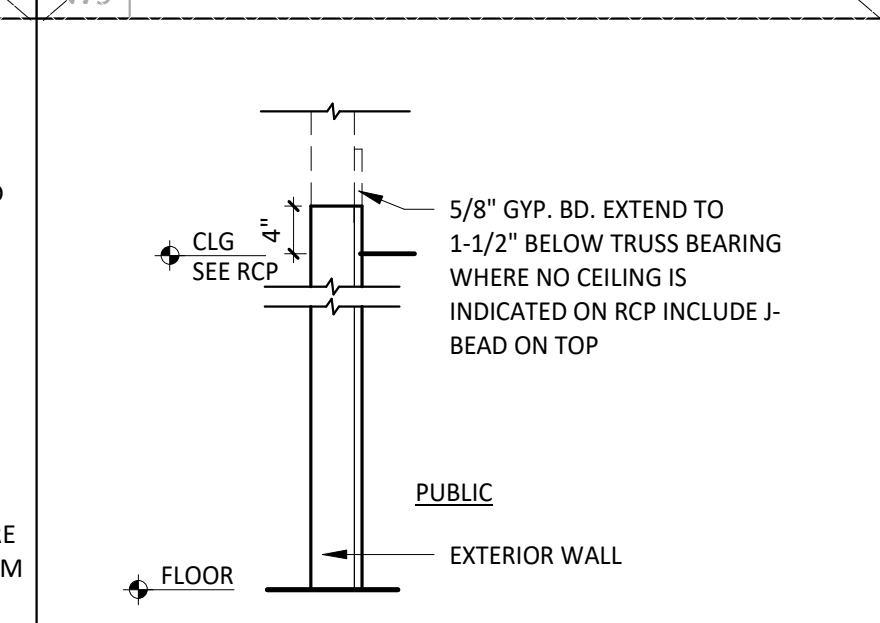
W10a INTERIOR PARTITION



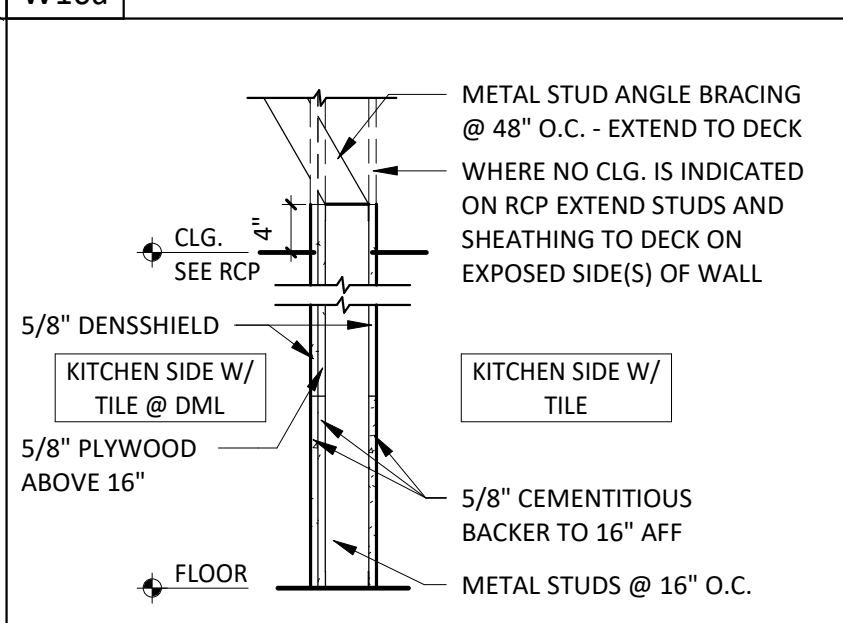
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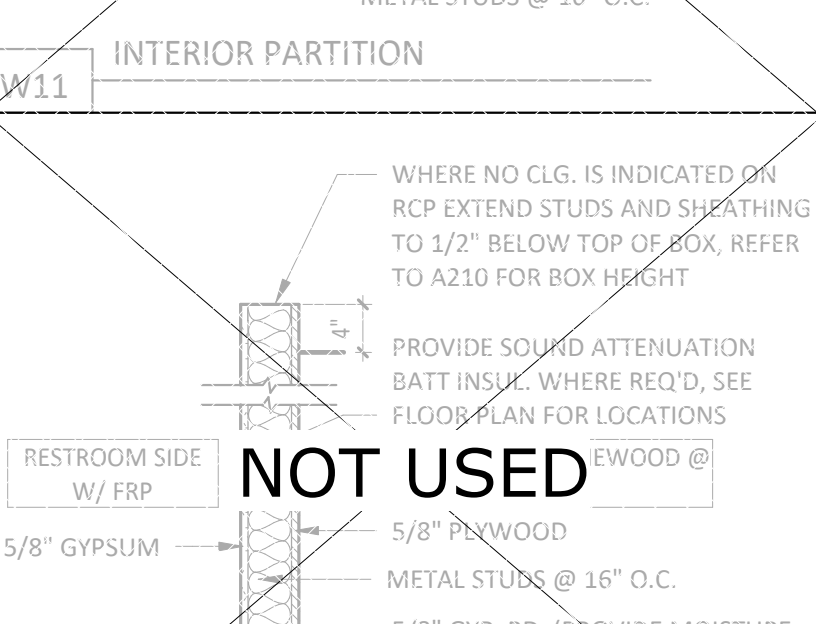
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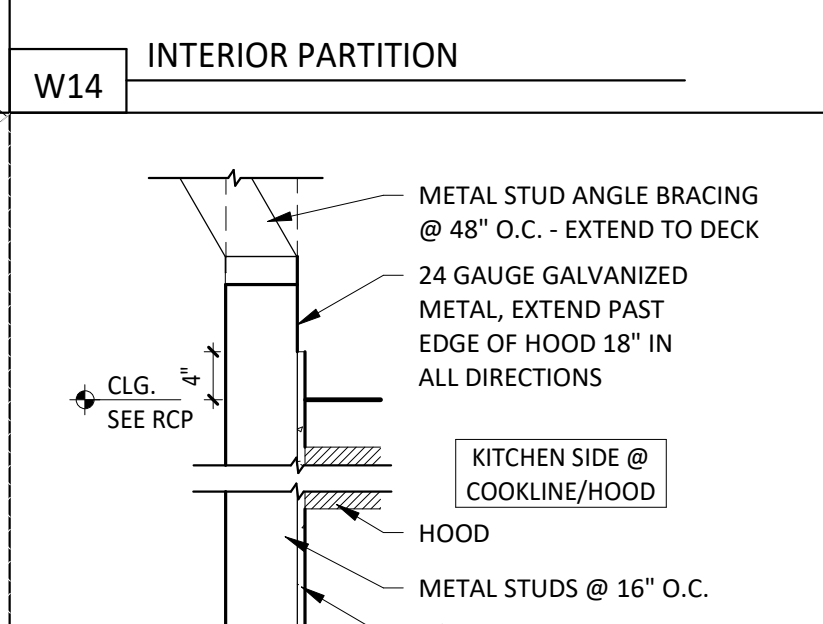
W15ax INTERIOR PARTITION



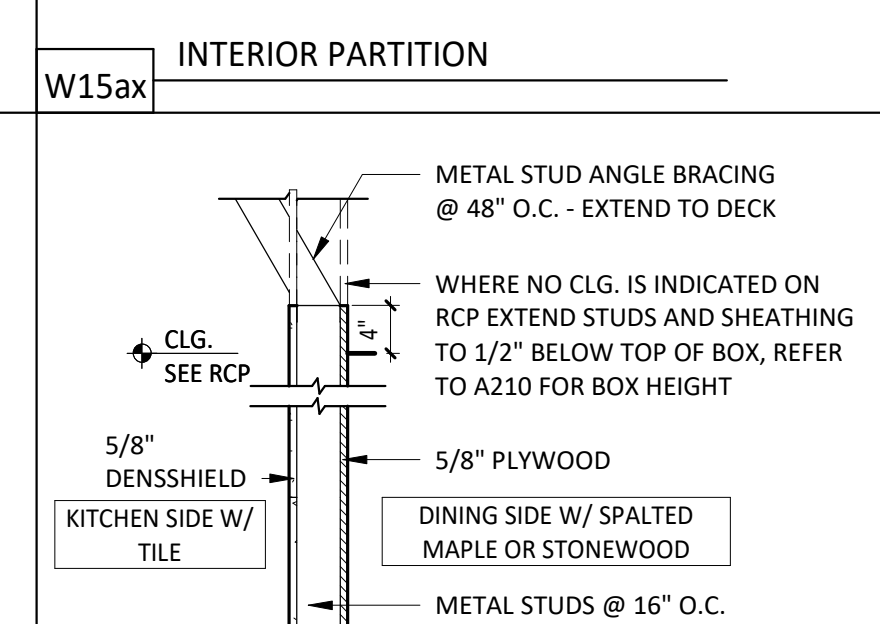
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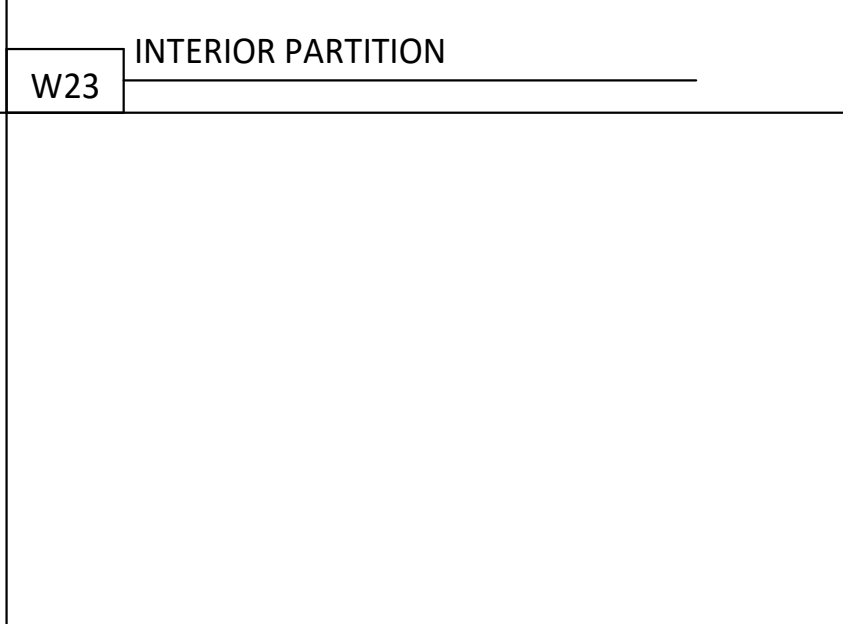
W24 INTERIOR PARTITION



W26a INTERIOR PARTITION



W28 INTERIOR PARTITION



W28 INTERIOR PARTITION

GENERAL NOTES - WALL TYPES

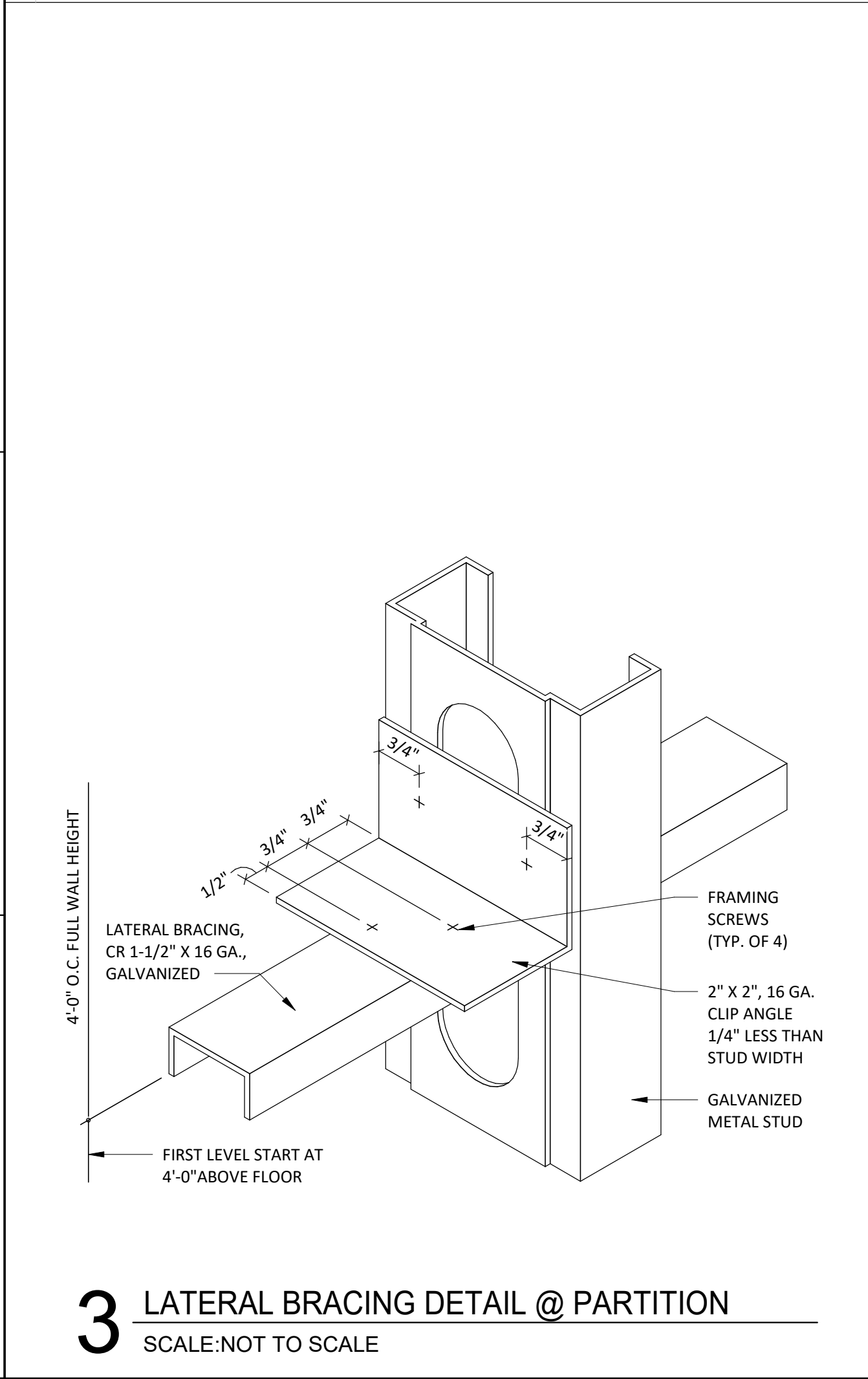
- REFER TO FINISH SCHEDULE AND CERAMIC TILE WALL FINISHES KEY PLAN ON SHEET A120 FOR WALL FINISHES, REFER TO FLOOR PLAN ON A110 FOR METAL STUD SIZE.
- G.C. SHALL PROVIDE SOLID BLOCKING IN WALLS AS REQUIRED OR AS NEEDED.
- STUDS ARE 3 5/8" METAL STUDS UNLESS OTHERWISE NOTED ON PLAN.

STUD SCHEDULE & NOTES

1. ALL HEIGHTS REFER TO UN-BRACED HEIGHTS.		
2. ALL HEIGHTS BASED ON 16" O.C. SPACING.		
3. BOTTOM TRACK TO BE SAME GAUGE AS STUD.		
4. TOP TRACK TO BE ONE GAUGE HIGHER.		
SIZE/TYPE	W/O HUNG SHELVING	W/ HUNG SHELVING
362S125-18	UP TO 12'-0"	
362S137-33	UP TO 16'-0"	UP TO 12'-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:
A: STEEL STUDS TO STEEL STUDS OR TRACKS:
20 GAUGE - #8 - 18 X 1 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
B: 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
C: 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.
D: 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
E: 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.
F: 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:

WILKUS ARCHITECTS

CLIENT:

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A-12282
MINNETONKA, MN
ARCHITECT
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LICENSE #12262-5
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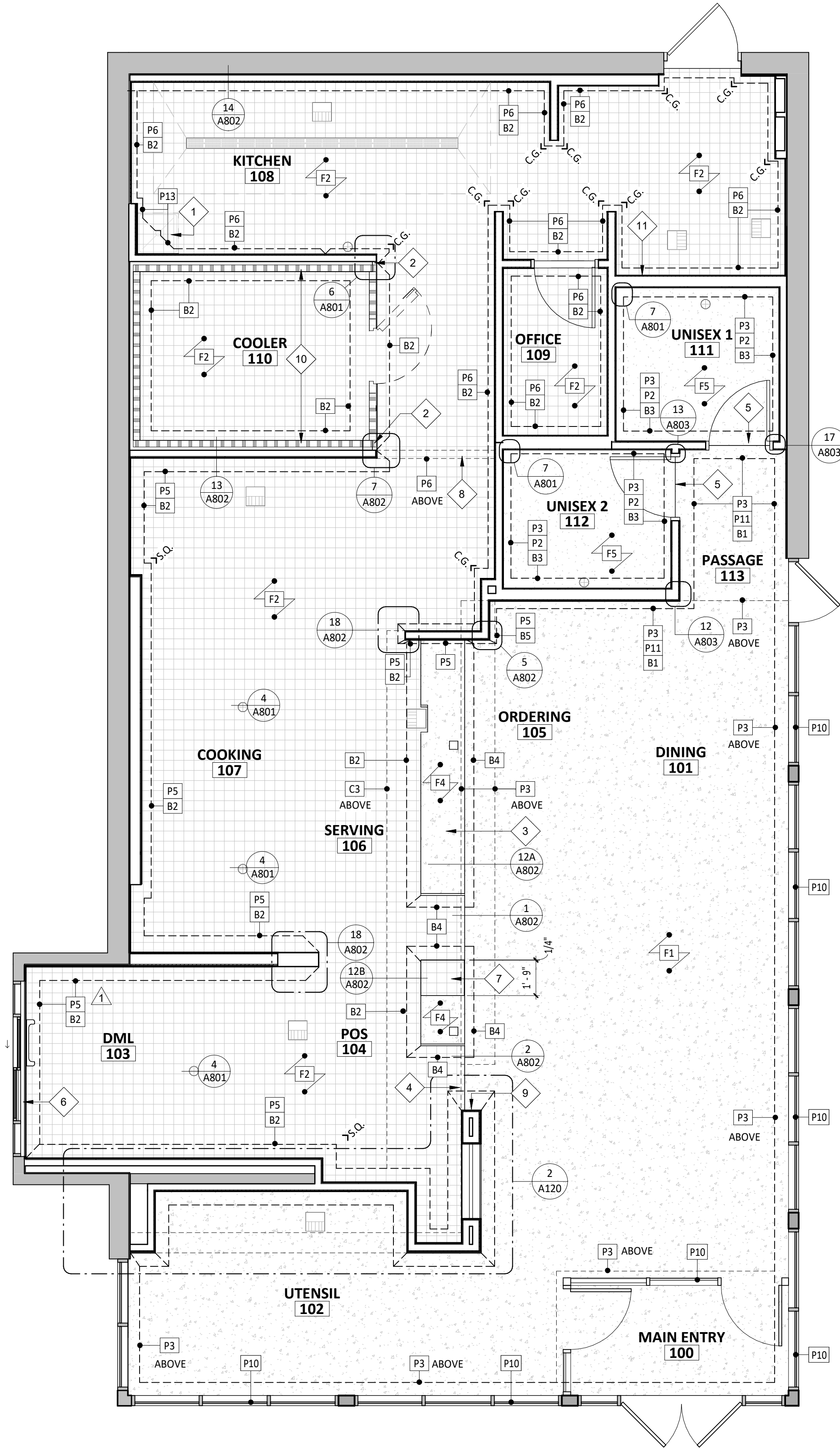
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TITLE:

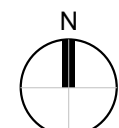
ARCHITECTURAL WALL TYPES

SHEET NUMBER:

A111

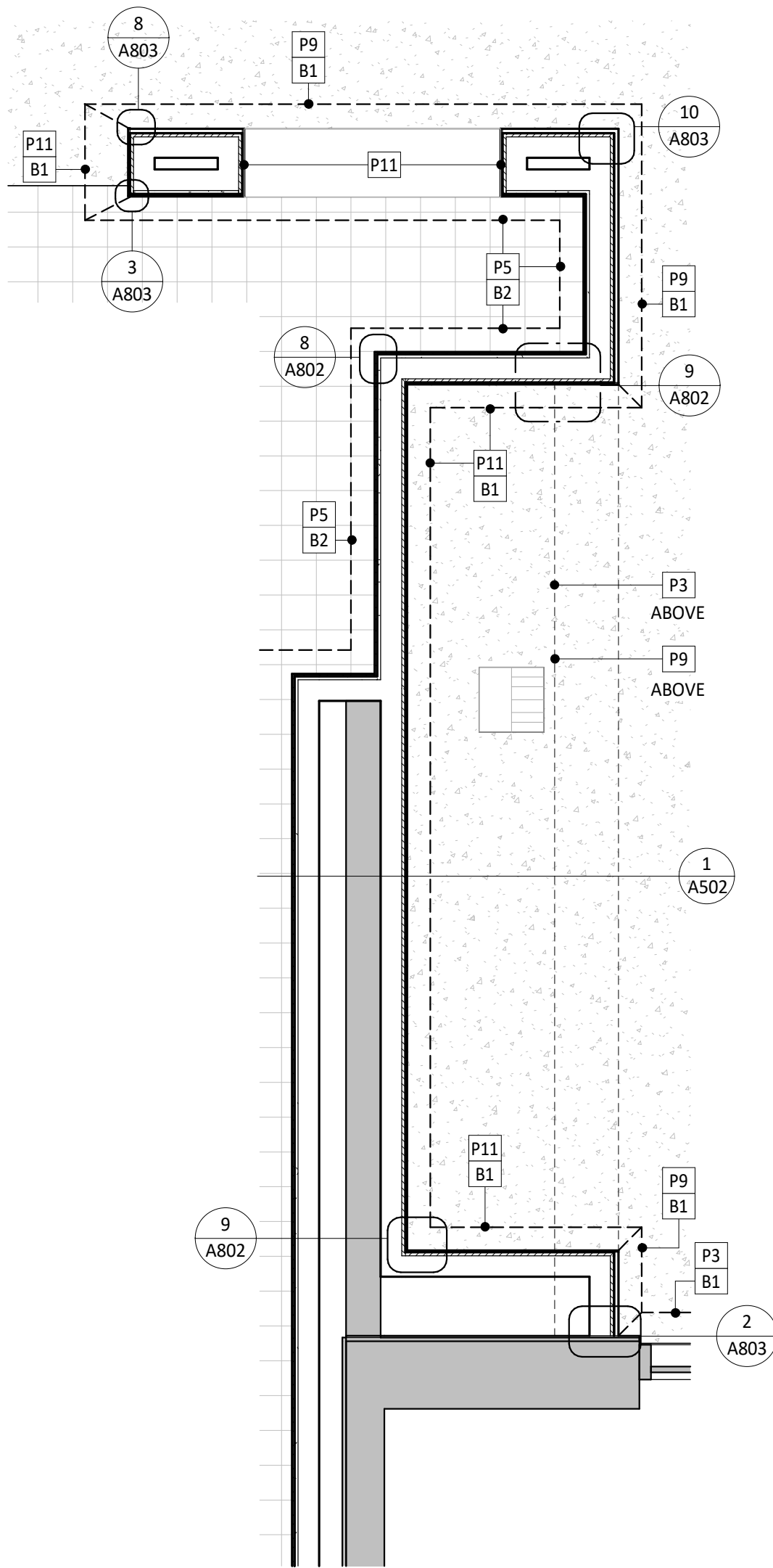


1 FINISH PLAN
SCALE: 1/4" = 1'-0"

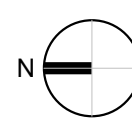


FINISH LEGEND

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	SEALED CONCRETE	B4	QUARRY TILE, COVELESS	C4	2X4 VINYL-FACED LAY-IN
F5	RESINOUS FLOORING	B5	CERAMIC TILE	C5	FELT BAFFLES
LGD. #		LGD. #		LGD. #	
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	NOT USED		
		P5	CERAMIC TILE - WHITE		
		P6	FIBERGLASS REINFORCED PANELS (PEBBLED FINISH)		
		P7	NOT USED		
		P8	CERAMIC TILE - BRONZE ACCENT 3" X 12"		
		P9	SPALTED MAPLE WALL PANEL, HORIZONTAL GRAIN		
		P10	EXISTING STOREFRONT		
		P11	STONEWOOD WALL PANEL		
		P12	EXISTING PREFINISHED BRAKE METAL		
		P13	STAINLESS STEEL		



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



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 QUADEC 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 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.
2 FRP ENCLOSURE PANEL AT COOLER GAP - REFER TO A801 FOR ADDITIONAL INFORMATION.
3 CONCRETE CURB FOR EQUIPMENT WITH QUARRY TILE BASE AT ALL EXPOSED EDGES.
4 EXTENT OF QUARRY TILE FROM KITCHEN.
5 EXTENT OF RESINOUS FLOOR FROM RESTROOMS - ALIGN EDGE OF FLOOR WITH CENTER OF DOOR JAMB.
6 ALUMINUM PLATE AT HEAD/JAMB/SILL OF - REFER TO A802 FOR ADDITIONAL INFORMATION.
7 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
8 PROVIDE TOP CORNER AT TRANSITION FROM GYPSUM BOARD CEILING TO FRP WALL REFER TO A210.
9 ALIGN LOW EDGE OF RENO RAMP WITH FRONT EDGE OF EQUIPMENT CURB AND FACE OF ADJACENT WALL BASE FINISH.
10 COOLER WALL PANELS AS PROVIDED BY THE COOLER MANUFACTURER HAVE A 26-GUAGE COATED SMD EMBOSSED STELL FINISH.
11 GENERAL CONTRACTOR TO PROVIDE 18 GAUGE STAINLESS STEEL SHROUD AROUND EXPOSED LINES AT ICE MAKER.

CONSULTANT:



CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
P.O. BOX 162666
COLUMBUS, OH 43216-2666
TELEPHONE: (614) 318-2482
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: 5326
"GREENFIELD WI"
8515 SURA LANE
GREENFIELD, WI 53228

SEAL:



December 20, 2024
MATTHEW M. WILKUS
LICENSE #12282-5
(EXPIRES 07/31/2026)

PROJECT NO. 2023-0549
DRAWN BY ABM
CHECKED BY DRL, CJG

ISSUE RECORD:
08/26/2024 PERMIT SET
11/22/2024 BID SET
12/20/2024 CONSTRUCTION SET

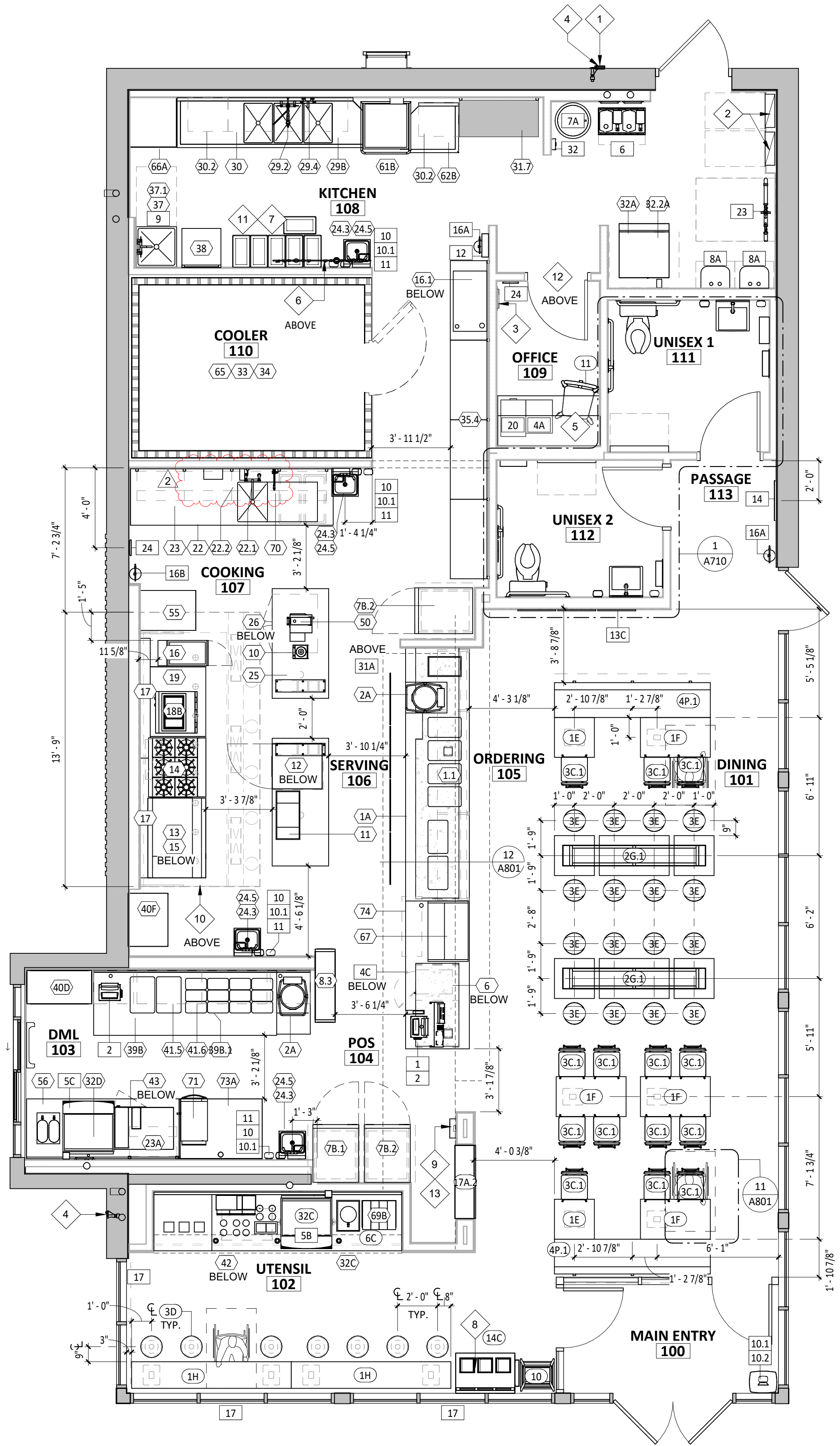
REVISIONS:
1 11/22/2024 BID SET

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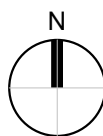
FINISH PLAN

SHEET NUMBER:

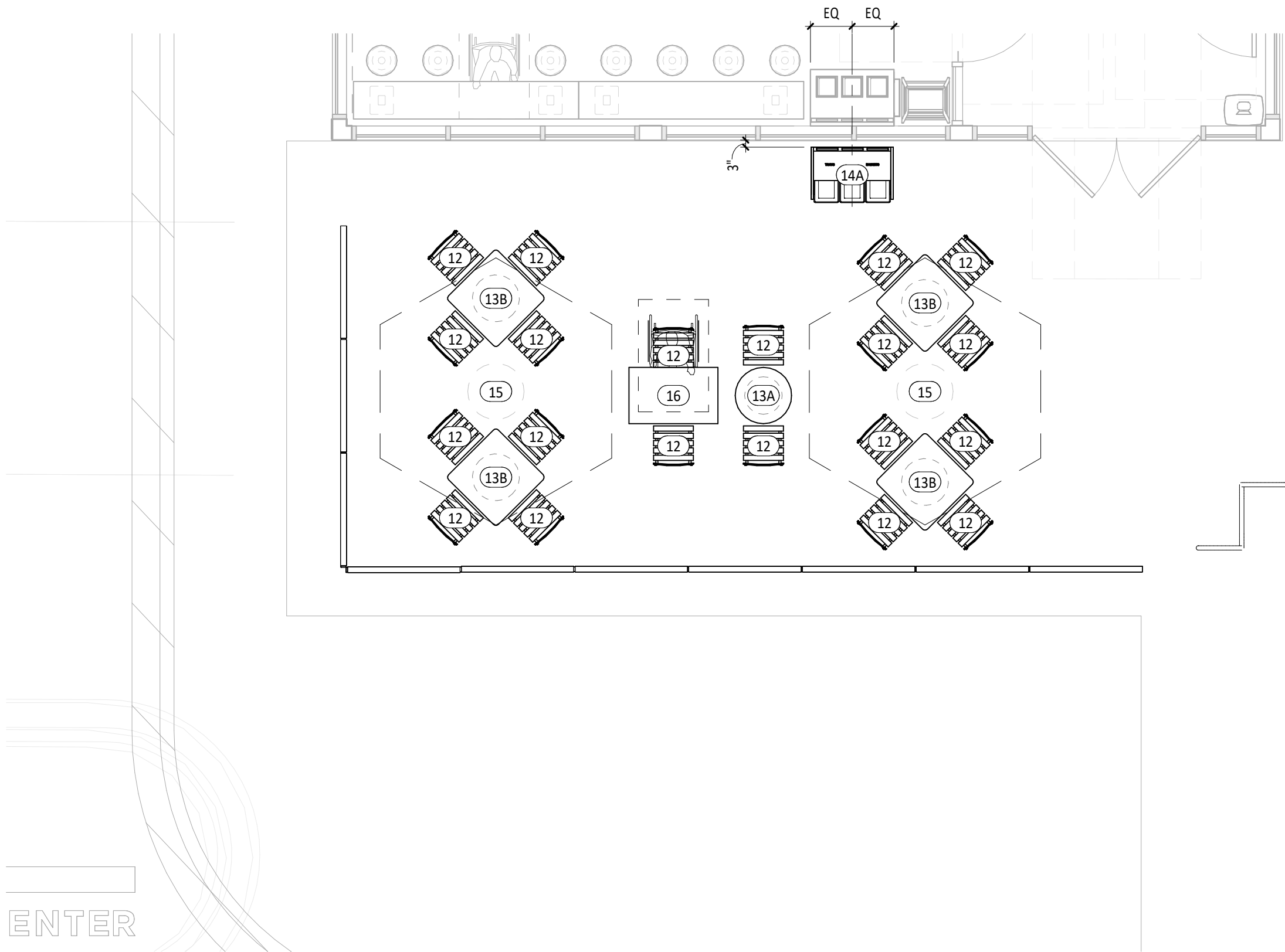
A120



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



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



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 C02 REMOTE FILLER - VERIFY FINAL LOCATION WITH CHIPOTLE'S CONSTRUCTION MANAGER.
2 ELECTRICAL PANEL BOARDS BY CHIPOTLE, LANDLORD TO PROVIDE CONDUCTORS FOR BOTH THE PANELS - REFER ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
3 BYPASS DISTRIBUTION PANEL - SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
4 HOSE BIBB PROVIDED BY LANDLORD - REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION.
5 OFFICE DESK AND SHELVING - REFER TO SHEET A702 AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
6 WATER FILTER ABOVE - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
7 MOVEABLE BACK-UP TRASH BINS FOR DINING AREA TRASH SURROUNDS - TYPICAL OF TWO (2).
8 HOLD TRASH SURROUND OFF 2" AROUND ADJACENT WALL SURFACES - TYPICAL.
9 KRONOS TIMECLOCK WILL BE LOCATED 40" A.F.F. TO THE TOP OF UNIT - CENTER KRONOS UNIT IN WALL - REFER TO ELECTRICAL DRAWINGS.
10 DASHED LINE INDICATES LOCATION OF HOOD ABOVE.
11 MOVEABLE LINEN BINS WITH LID - TYPICAL OF FOUR (4).
12 TELEPHONE BOARD ABOVE - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
13 ANSUL PULL TO BE LOCATED 48" A.F.F. TO THE CENTER OF UNIT ABOVE THE TIMECLOCK LOCATION.

1

CONSULTANT:



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11/22/2024 BID SET

12/20/2024 CONSTRUCTION SET

REVISIONS:

1 11/22/2024 BID SET

2 12/20/2024 CONSTRUCTION SET

TITLE:

FF&E PLAN

SHEET NUMBER:

A130

KITCHEN EQUIPMENT LIST

TAG	DESCRIPTION	MANUFACTURER	MODEL NO.	QTY	FURNISHED BY	INSTALLED BY	ELEC	GAS	WATER	SEWER	REMARKS
1.1	Sneeze Guard Serve Line 12 Pan (Right)	BSI	Custom-R	1	TMS	TMS/GC					
1A	M4.0 - Front Serve Line - 12 Pan - RTD - POS Right	Delfield	12 Pan Serve Line POS RTD_241x38.5in (Right)	1	KES	KES; GC	•			•	Installed On Concrete Curb
2A	Tortilla Warmer	Caliente Industries	A2	2	KES	KES	•				GC To Store In Walk-In Cooler Until Final Installation
6	Cup Dispenser	Dispense-Rite	CHIP-ECL-3B	1	KES	KES; GC					Installed At POS Counter
7B.1	Upright Beverage Cooler, Single Door, Hinge Left	Varies	Varies - Solid Door	1	KES	KES	•				
7B.2	Upright Beverage Cooler, Single Door, Hinge Right	Varies	Varies - Solid Door	2	KES	KES	•				
8.3	M4.5 Chip Shelf	Trimark	Custom	1	KES	KES					
10	Blender	Vitamix	748	1	T	T	•				GC To Store In Walk-In Cooler Until Final Installation
11	Carving Station - 77x34in - Horizontal Well - Right	Delfield	77x34in Carving Station-RT	1	KES	KES	•				
12	Undercounter Refrigerator	Hoshizaki	CRM27-LP	1	KES	KES	•				
13	Grill 48in - Natural Gas - Divider Left	Woodstone	WS-PL-48-36-4-CT-Left	1	KES	KES	•	•			
13.1	Woodstone Grease Splash Guard	Nationwide Fab; Mario Mfg	CHP-GCG-GSG	1	KES	KES					Verify If Required
14	Range 6 Burner - Natural Gas	Garland	U36-6S	1	KES	KES		•			
15	Woodstone Grill Stand 48x31in - Divider Left	Woodstone	000-PL-STAND-CASTER	1	KES	KES					
16	Fryer - Gas - Standard Efficiency	Varies	Varies	1	KES	KES	•	•			Mounted On Legs, G.C. To Pin Front Legs To Floor
16.1	Grease Caddy	Varies	Chipotle Grease Caddy - RH	1	KES	KES					
17	Cook Line Stand Off - 72x6	Nationwide Fab; Mario Mfg	CHP-6WS-6	2	KES	KES					Mount Top of Flat Surface at 33" AFF, Install Screws at Each Stud Location, Provide Blocking To Mount To Wall
18B	Gas Rice Cooker	Woodstone	WS-GRC-60	1	KES	GC	•	•			Final Connection by GC. RE:Mechanical Drawings
19	Rice Cooker Stand - Left	Nationwide Fab; Mario Mfg	CHP-RCS-42ES-34	1	KES	KES					
22	Prep Sink - Corner - Left	Trimark	S1-122x34-US-FF-L	1	KES	GC				•	
22.1	Prep Sink Faucet Big Flow Faucet	T&S	B-0293-01	1	KES	GC			•		
22.2	Prep Sink Vegetable Wash Faucet	T&S	B-0730	1	KES	GC			•		GC To Provide Connection For Chemical Dispensing Equipment
22.3	Prep Sink Drain Assembly	T&S	B-3950	1	KES	KES; GC				•	
23	4 Shelves - 120in Prep Sink	Amco	CHPPS120	1	KES	KES					Mount Bottom Of Standard At 50" AFF. Provide Plywood Blocking To Mount To Wall.
23A	2 Shelves - 30in	Amco	Custom	1	KES	KES					Mount Bottom Of Standard At 50" AFF. Provide Plywood Blocking To Mount To Wall.
24.3	Hand Sink Wall Mounted - Splash Both	Universal Stainless	EHS-1RL-NF	4	KES	GC				•	Provide Plywood Blocking To Mount To Wall
24.5	Kitchen Hand Sink Faucet Splash Mount	T&S	B-1146-04-CR-VF10	4	KES	GC			•		Provided with B-0199-06-F10, 1.0 GPM Aerator
25	Rice Prep Table Island 66x34	Nationwide Fabrication; Mario Mfg	Custom Table 66x34in	1	KES	KES					
26	Hot Holding Cabinet - Double Door (Rice)	Food Warming Equipment (FWE)	HLC-1220-8-8-CHP	1	KES	KES	•				
29.2	Dish Sink Add-A-Faucet w/ Pre-Rinse	T&S	B-1033-12CRBJSK Substitute Sprayer B-0107-J-SWV	1	KES	GC			•		
29.3	Dish Sink Drain Assembly	T&S	B-3950	3	KES	KES; GC				•	
29.4	Dish Sink Chemical Faucet	T&S	B-2345-01-XX	1	KES	GC			•		GC To Provide Connection For Chemical Dispensing Equipment
29B	3 Comp Sink - 18x24in Bowls - 111 3/4in	Nationwide Fabrication; Mario Mfg	S3-30x111.75x36.5-FF	1	KES	GC				•	
30	Shelving System - 3 Comp Sink	Amco	WST18795	1	KES	KES					Mount bottom of Standard At 56"AFF. Provide Plywood Blocking
30.2	Shelving System - Dish Table	Amco	WST18795	2	KES	KES					Mount bottom of Standard At 56"AFF. Provide Plywood Blocking. Mount Tight To Dish Machine
31.7	Drying Racks 23x48x85in - With Vented Aluminum Covers	Varies	Custom	1	KES	KES					Mount Bottom Of Standard At 12" AFF. Provide Plywood Blocking To Mount To Wall
32.1A	Ice Maker - Remote Condenser	Hoshizaki	URC-5FZ	1	KES	KES	•				Condensing Units To Be Secured To The Roof Per Code By GC
32.1B	Ice Maker - Remote Condenser	Hoshizaki	URC-9FZ	1	KES	KES	•				Condensing Units To Be Secured To The Roof Per Code By GC
32.2A	Ice Maker - Storage Bin	Hoshizaki	B500SF	1	KES	KES				•	
32.3	Icemaker- Filter	Varies	Varies	3	KES	KES			•		
32.4	Ice Maker - Scale Inhibitor	Varies	Varies	3	KES	KES			•		
32A	Ice Maker For B.O.H. Ice Bin (Shorter)	Hoshizaki	KML-700MRJZ	1	KES	KES	•		•		Drain Ice Maker to Floor Sink, RE: Mech. Refrigeration By Tenant.
32C	Ice Maker Mounted On Soda Machine - Air Cooled	Hoshisaki	KMD-530MAJ	1	KES	KES	•		•	•	Drain Ice Maker to Floor Sink, RE: Mech. Refrigeration By Tenant.
32D	Ice Maker Mounted On Soda Machine - Remote Air Cooled	Hoshisaki	KML-700MRJZ	1	KES	KES	•		•	•	Drain Ice Maker to Floor Sink, RE: Mech. Refrigeration By Tenant.
33	Walk In Cooler 9x12x9 -6ft 3in - Standard	Manitowoc	KAMC46-141-1EC-PCL-4	1	WCs	GC	•			•	Refer To Plumbing and Mechanical Drawings; Refrigeration By Tenant; Remote Exterior Compressor Unit To Be Secured To Roof Per Code By GC
34	Walk-In Cooler Shelving System - 9x12x10	Cambro (Camshelving)	CHP912ER	1	KES	KES					
35.4	Dry Storage Racks 23x192x85in	Varies	Custom	1	KES	KES					Mount Bottom Of Standard At 12" AFF. Provide Plywood Blocking To Mount To Wall.
37	Mop Sink Faucet	T&S	B-0660-BSTR	1	KES	GC			•		
37.1	Mop Sink Chemical Faucet	T&S	B-2345-01-XX	1	KES	GC			•		GC To Provide Connection For Chemical Dispensing Equipment
38	6 Shelves - Chemical Storage Rack	Varies	Custom	1	KES	KES					Mount Bottom Of Standard At 12" AFF. Provide Plywood Blocking To Mount To Wall.
39B	DML 2.0 130in – Right – W/POS & Cash Drawer	Franke/Delfield	DML 2.0_RT-130x39	1	KES	KES	•			•	
39B.1	DML 2.0 Wall Trim Package	Franke/Delfield	DML 2.0 Trim Kit	1	KES	KES					
40D	Holding Shelf	Trimark	TGS-39X20X80-B	1	KES	KES	•				
40F	M4.5 - Filler Stand At Range	Select Stainless	24x32x36	1	KES	KES					
41.5	DML 2.0 Shelving - 130in - Top Shelf	Franke/Delfield	CH000A32	1	KES	KES					Mount Bottom Of Shelf At 74 1/2" AFF. Provide Plywood Blocking To Mount To Wall.
41.6	DML 2.0 Shelving - 130in - Bottom Shelf	Franke/Delfield	CH000A34	1	KES	KES					Mount Bottom Of Lowest Portion Of Shelf At 54 1/2" AFF. Provide Plywood Blocking To Mount To Wall.
42	Shelving System Under Counter Beverage Station	ISS	WST1810CLR	1	KES	CLR					Mounted on (4) casters, All casters to be swivel type, Front (2) casters to have brake, Located under utensil counter
43	Beverage Cooler Backbar 36in	Glasstender	LP36X-SS(X)	1	KES	KES	•				
50	Food Processor	Sammic	CA-31	1	KES	KES					
55	Filler Table - 24x34in	Trimark	TS-24x34x36-US-C	1	KES	KES					
56	Beverage Table - Chipotlane	Trimark	TS-36x92.5x36	1	KES	GC	•			•	
61B	Dish Machine (w/Pump)	Hobart	AM165CB	1	KES	KES	•		•	•	
62B	Dish Table 30x30	Babington Technology	CDT-30X30X36.5-B-L	1	KES	GC					
65	Utility Cart (Not Shown)	Select Stainless	30SU-22-14-C4-TUBS-CUSTOM	1	KES	GC					Provided As Part Of The WIC Shelving
66A	Drop-Off Table - 29x30in	Trimark	TS-29x30x31-US-C	1	KES	KES					
67	Refrigerated Counter Case, Self-Serve	Structural Concepts	CO3324R-UC	1	KES	KES					
69B	M4.0 - Simplicity Bubbler Mini-Quad	Crathco	CS-4E-16	1	KES	GC	•			•	
70	Speed Fill Faucet	T&S	B-0432 MOD	1	KES	GC			•		
71	Quesadilla Press	Turbochef	Sota Touch	1	KES	KES	•				
73A	50" TurboChef Table	Trimark	50X36X36	1	KES	KES					
74	Shelving - Under Counter - 12x36x29in	Metro	Custom	1	KES	KES					

MISC. EQUIPMENT LIST

TAG	DESCRIPTION	QTY	FURNISHED BY	INSTALLE D BY	ELEC	GAS	WATER	SEWER	REMARKS
1	Point of Sale Display	1	TMS	GC					Installed at POS Station
2	Point-Of-Sale System	2	T	TCC					Coordinate Requirements With Tenant and Elec. Drawings
4A	B-Rate (Standard Safe)	1	TS	GC					Install in Office, Bolt to Office Floor Slab
4C	Smart Safe	1	TSS	TSS	•				To Be Installed On Curb Under Serveline, Bolt to Curb Under Serveline POS
5B	Soda Dispenser - With Air-Cooled Ice Maker	1	SPS	SPS	•			•	Drain to Floor Sink, Tenant Millwork Supplier to Provide (2) Adjustable Legs to Support Dispenser From Under The Utensil Counter
5C	Soda Dispenser - With Remote Air-Cooled Ice Maker	1	SPS	SPS	•			•	Drain to Floor Sink, Tenant Millwork Supplier to Provide (2) Adjustable Legs to Support Dispenser From Under The Utensil Counter
6	Soda System Syrup Rack with Carbonator on Stainless Steel Shelf	1	SPS	SPS	•	•			
7A	Bulk CO2 Tank	1	CO2	CO2	•				GC To Secure Cylinders To Wall With Grade 30 Galvanized Steel Chain At 2/3 The Height Of The Cylinder. Attach To Wall With Stainless Steel Quick Link And Screw Eye.
8A	Gas Tankless Water Heater	2	GC	GC		•	•	•	Refer to MEP Drawings
9	Mop Sink, See Plumbing Drawings	1	GC	GC			•	•	See Plumbing Drawings
10	Touch-Free Soap Dispenser	4	WA	GC					
10.1	Hand Sanitizer Dispenser	5	WA	GC					
10.2	Hand Sanitizer Stand	1	WA	GC					
11	Paper Towel Dispenser, Bobrick B262	4	WA	GC					Provide Plywood Blocking to Mount to Wall
12	First Aid Kit	1	T	GC					Confirm Location With Chipotle CM Prior To Installation
13C	M4.0 - Artwork Panel - Carved Rice Board	1	TAS	GC					Provide Plywood Blocking to Mount to Wall
14	License Frame	1	T	GC					Provide Plywood Backing In Wall At License Frame Location, Refer To Arch. Floor Plans And Elevations For License Frame Location.
16A	Fire Extinguisher Type ABC - B456	2	GC	GC					Mount in locations specified by the Fire Marshal. Provide plywood backing at specified locations.
16B	Fire Extinguisher Type K	1	GC	GC					Mount in locations specified by the Fire Marshal. Provide plywood backing at specified locations.
17	Window Shades	3	WS	WS					See Sheet A130 For Location & Size (When Used)
19	Hat & Coat Strips (Not Shown)	1	WA	GC					Provide Plywood Blocking to Mount to Wall
20	2-Drawer File Cabinet, By Tenant	1	T	T					By Tenant
23	Backflow Preventer	1	GC	GC			•	•	See MEP Sheets for Details
24	iPAD Wall Station	2	T	GC	•				Tablet By Tenant, Refer to Electrical Drawings
28	Mop Strip (Not Shown)	1	T	GC					Provide Plywood Backing To Mount To Wall, 2 Hole At Mop Basin and 6 Hole In Kitchen
31A	21inx31in Menu System	1	TMB	GC					
32	CO2 Alarm	1	CO2AS	GC	•				Refer to Electrical Drawings for Additional Details.
33A	M4.0 - Pick-Up Sign - Single Faced - Flush Mounted - Face	1	TSV	GC					

FURNITURE LIST

TAG	DESCRIPTION	QTY	FURNISHED BY	INSTALLED BY	ELEC	GAS	WATER	SEWER	REMARKS
1E	M4.0 - Table 24x24in - Rectangular Base	2	TMS	GC					
1F	M4.0 - Table 24x42in, Rectangular Base (Accessible)	4	TMS	GC					See Detail On A130
1H	M4.0 - Community Table - Low - Window - Length Varies	2	TMS	GC					
2G.1	M4.0 - Bar Height Table 8-Top, With Footrest	2	TMS	GC					One Coat Hook Per Two Seats, Confirm Mounting Location With Shop Drawings
3C.1	M4.0 - Dining Room Chair	14	TMS	GC					
3D	M4.0 - Marshmallow Stool - Fixed	7	TMS	GC					Align Seat With Seam Perpendicular To Table Edge
3E	M4.0 - Bar Stool - Fixed	16	TMS	GC					Align Seat With Seam Perpendicular To Table Edge
4P.1	Banquette Bench (Black) - Floor Mount	2	TMS	GC					
6C	M4.0 - Beverage Counter - With Trash - 4" Splash - 149"	1	TMS	GC				•	Coordinate Floor Drain Installation with Utensil Counter Installation, Bins and Sign Hooks Provided by Tundra in Smallwares Package, Install Hooks on Back of Doors
10	Child's High Chair	1	T	GC					
11	Office Chair, By Tenant	1	T	T					By Tenant
12	Patio Chair - Bistro	20	KES	GC					Provided by EMU America, Contact: Carol Hughes (303-744-3200)
13A	24in Round Bistro Table	1	KES	GC					Provided By EMU America, Contact: Carol Hughes (303-744-3200)
13B	30in Square Bistro Table	4	KES	GC					Provided By EMU America, Contact: Carol Hughes (303-744-3200)
14A	3 Bin Trash/Recycling Surround - Exterior	1	TMS	GC					Bins Provided by Tundra in Smallwares Package
14C	M4.0 - 3 Bin Trash/Recycling Surround - Interior	1	TMS	GC					Bins Provided by Tundra in Smallwares Package
15	Patio Umbrella	2	KES	GC					
16	Accessible Patio Table	1	KES	GC					Provided By EMU America, Contact: Carol Hughes (303-744-3200)
17A.2	MOPUS Shelving - 44"	1	TMS	GC					GC To Provide Blocking In Walls At The Ends Of The MOPUS Shelf To Secure Shelves, Wood Edge Of The Shelves To Face The Dining Room

CONSULTANT:



CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
PO BOX 16566
COLUMBUS, OH 43216-2666
TELEPHONE: (614) 318-2482
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: 5326
"GREENFIELD WI"
8515 SURA LANE
GREENFIELD, WI 53228



MATTHEW M. WILKUS
A-12262
MINNETONKA
MN
ARCHITECT
December 20, 2024
MATTHEW M. WILKUS
LICENSE #12262-5
(EXPIRES 07/31/2026)

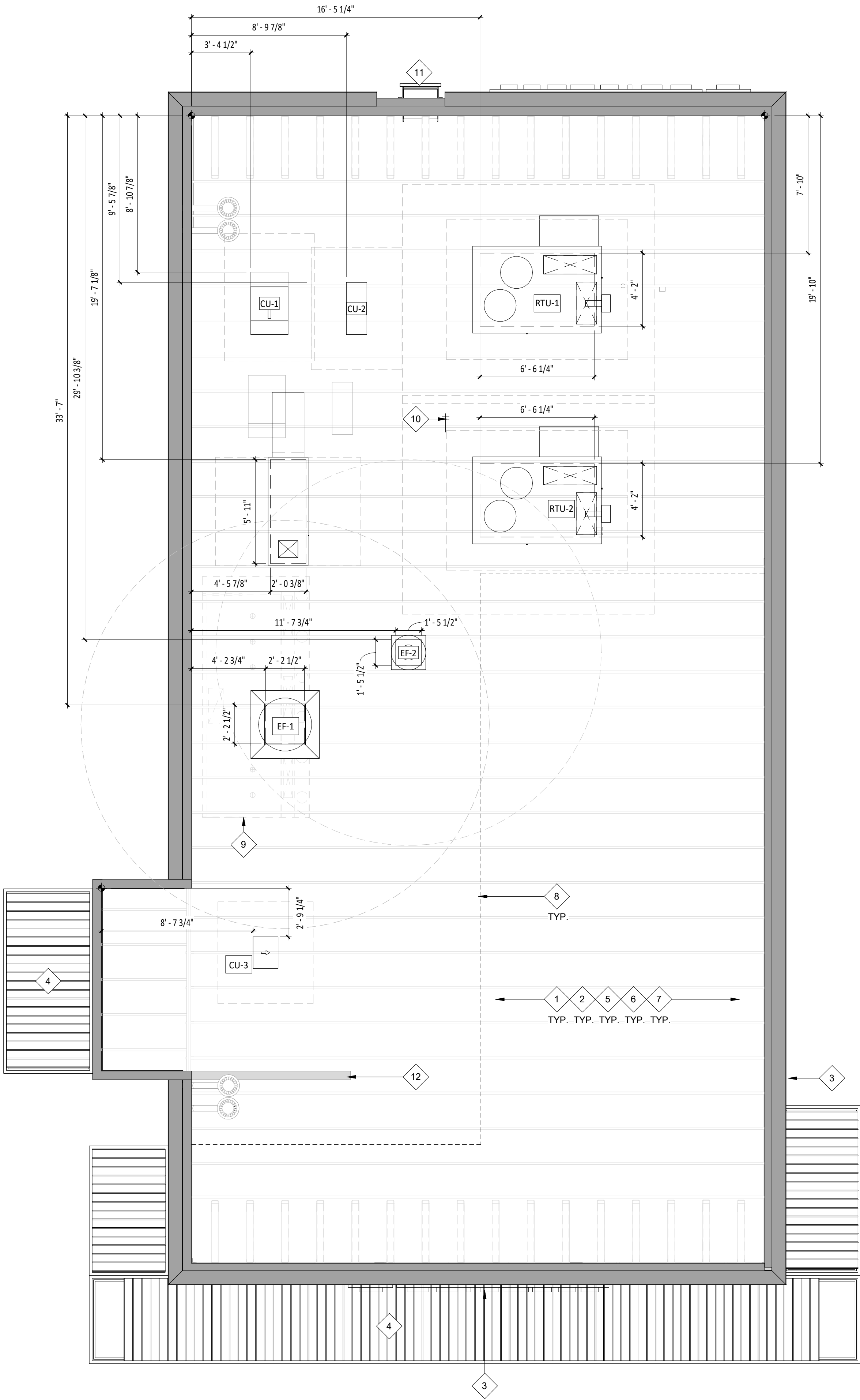
PROJECT NO. 2023-0549
DRAWN BY ABM
CHECKED BY DRL, CUG

ISSUE RECORD:
08/26/2024 PERMIT SET
11/22/2024 BID SET
12/20/2024 CONSTRUCTION SET

REVISIONS:
1 11/22/2024 BID SET

TITLE:
FF&E SCHEDULES

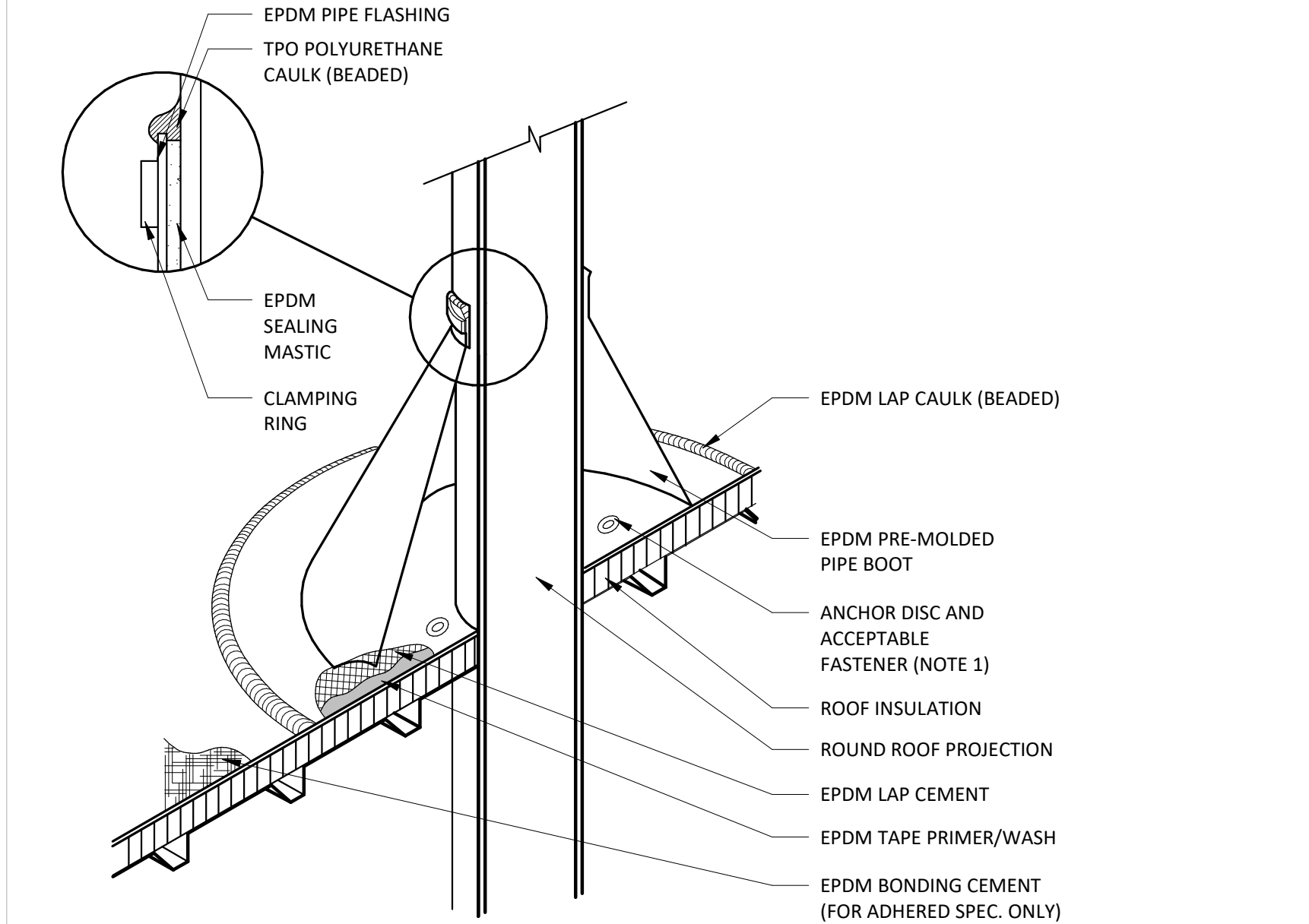
SHEET NUMBER:
A131



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

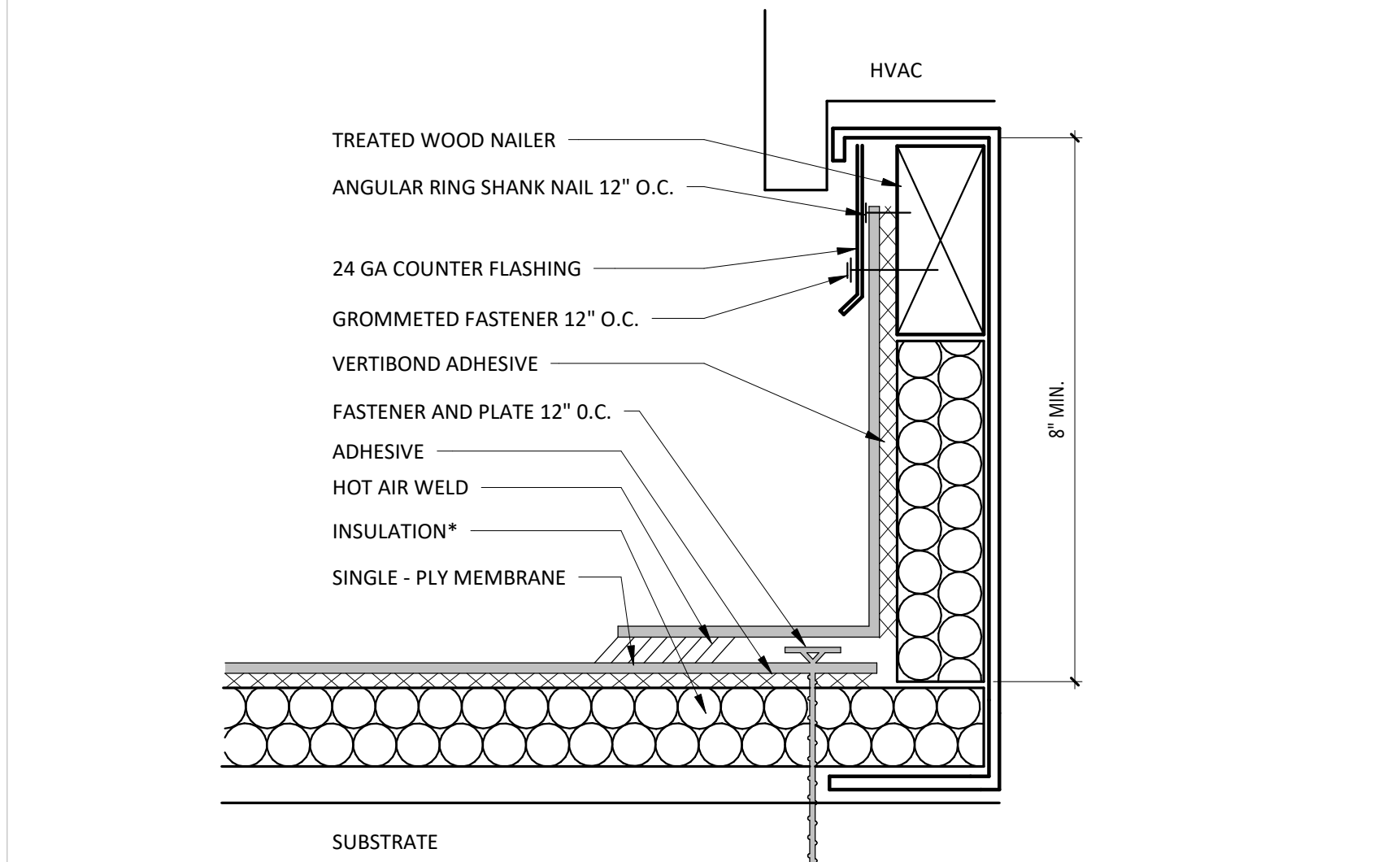
HVAC EQUIPMENT

DESCRIPTION	FURNISHED BY	INSTALLED BY	ELEC	UTILITY			REMARKS
				GAS	WATER	SEWER	
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.



- 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"

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

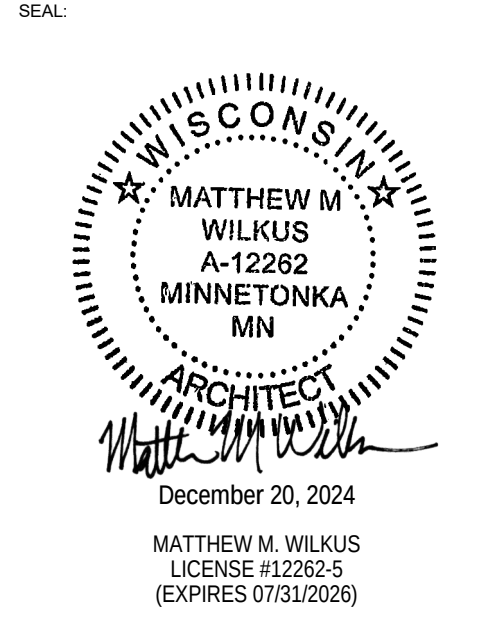
- EXISTING FULLY ADHERED PVC ROOFING SYSTEM AND RIGID INSULATION - PATCH AND REPAIR AS REQUIRED - REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- EXISTING WOOD JOISTS BELOW SHOWN FOR REFERENCE ONLY - REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- SIGNAGE BY TENANTS VENDOR - GENERAL CONTRACTOR TO PATCH AND REPAIR ADJACENT WALL AS REQUIRED FOR SIGN INSTALLATION - GENERAL CONTRACTOR TO COORDIANTE SIGNAGE PENETRATIONS WITH SIGNAGE VENDOR.
- CANOPY BELOW - REFER TO EXTERIOR ELEVATIONS.
- 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.
- LOCATIONS OF ALL ROOF PENETRATIONS ARE TO BE VERIFIED WITH APPROPRIATE SUBCONTRACTOR.
- GENERAL CONTRACTOR TO CLEAN ROOF OF ALL CONSTRUCTION DEBRIS AT PROJECT COMPLETION.
- HIDDEN LINE INDICATES SOFFIT LOCATION BELOW IN WHICH TERMINATES TO UNDERSIDE OF EXISTING DECK.
- DASHED LINE INDICATES LOCATION OF HOOD SYSTEM BELOW.
- ROOF HYDRANT - REFER TO PLUMBING FOR ADDITIONAL INFORMATION.
- EXISTING ROOF LADDER LOCATION.
- EXISTING SHEAR WALL BELOW.



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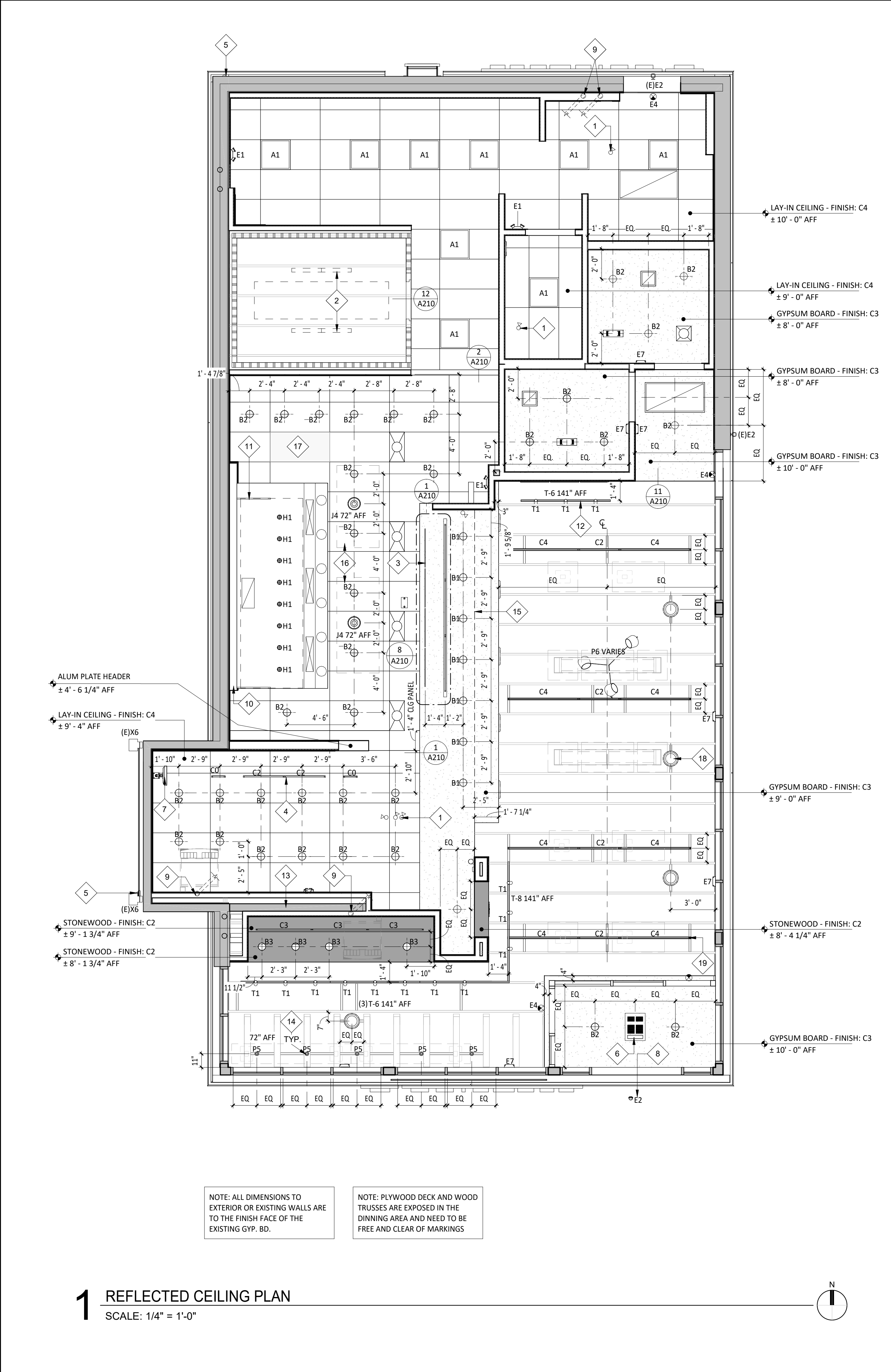
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TITLE:
ARCHITECTURAL
ROOF PLAN

SHEET NUMBER:
A140



LIGHTING FIXTURE SCHEDULE

ITEM #	MOUNT	DESCRIPTION	REMARKS
EXISTING			
(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
NEW			
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
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 COURSEING SHALL TAKE PRECEDENT 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).
- LOCATION OF CEILING MOUNTED VESTIBULE HEATER - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- LOCATION OF MONITOR BY TENANTS VENDOR.
- MOUNT EMERGENCY LIGHT FIXTURE TO BOTTOM OF CANOPY.
- 4" PVC PIPES STUBBED ABOVE CEILING FOR SODA BUNDLE - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- PROVIDE STAINLESS STEEL ENCLOSURE PANEL BETWEEN PERIMETER OF HOOD AND ADJACENT WALLS/CEILINGS.
- LIGHTS BY EXHAUST HOOD MANUFACTURER.
- CENTER TRACK LIGHTING ON ARTWORK.
- EXISTING SHEAR WALL, REFER TO STRUCTURAL.
- CENTER LIGHT FIXTURESWITH STOREFRONT AND TABLE BELOW, TYP.
- BACK OF JOIST SHELF ABOVE, TO ALIGN WITH BACK OF MOPUS.
- OUTLINE OF TABLES BELOW.
- PROVIDE FREE AND CLEAR ACCESS TO HOOD AS REQUIRED - GENERAL CONTRACTOR TO COORDINATE WITH ALL TRADES TO MAINTAIN.
- FOUR (4) SPEAKERS - REFER TO SHEET A210 FOR ADDITIONAL INFORMATION.
- CENTER LIGHT FIXTURES BETWEEN STRUCTURAL MEMBERS.

SECURITY DEVICE SCHEDULE

DESCRIPTION	QTY	FURNISHED	INSTALLED	UTILITIES				REMARKS
		BY	BY	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

CONSULTANT:



CLIENT:

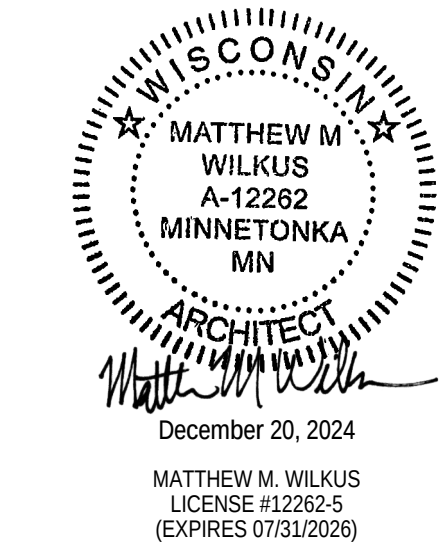


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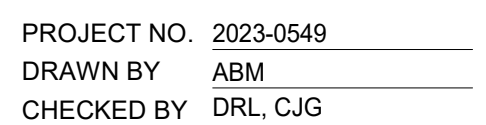
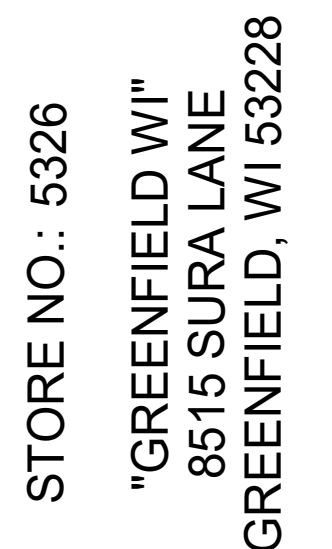
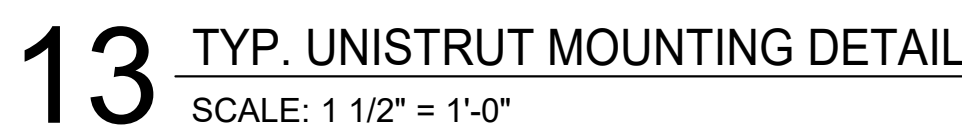
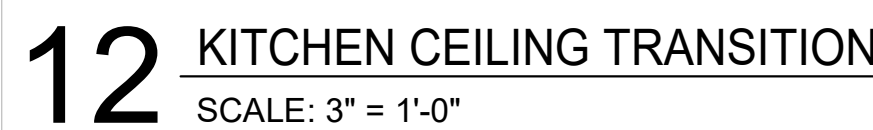
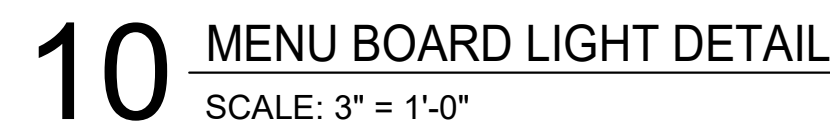
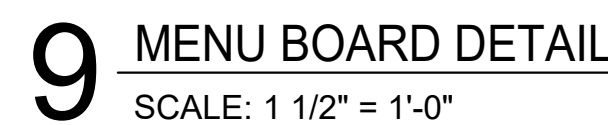
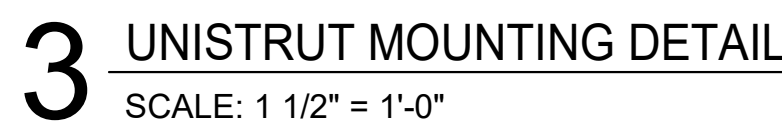
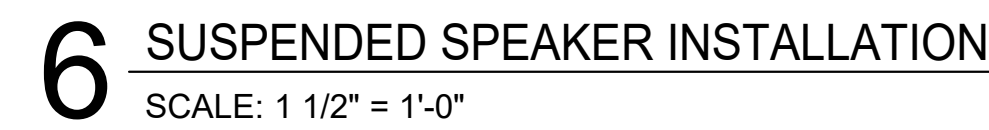
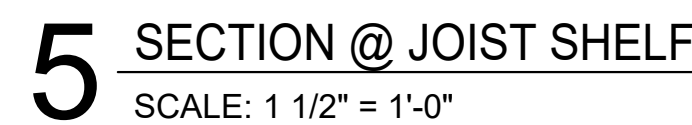
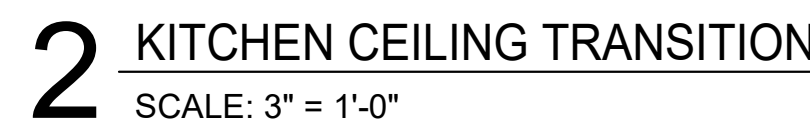
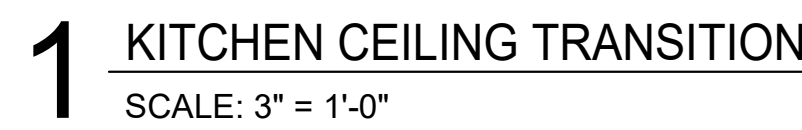
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TITLE:

REFLECTED
CEILING PLAN

SHEET NUMBER:

A201

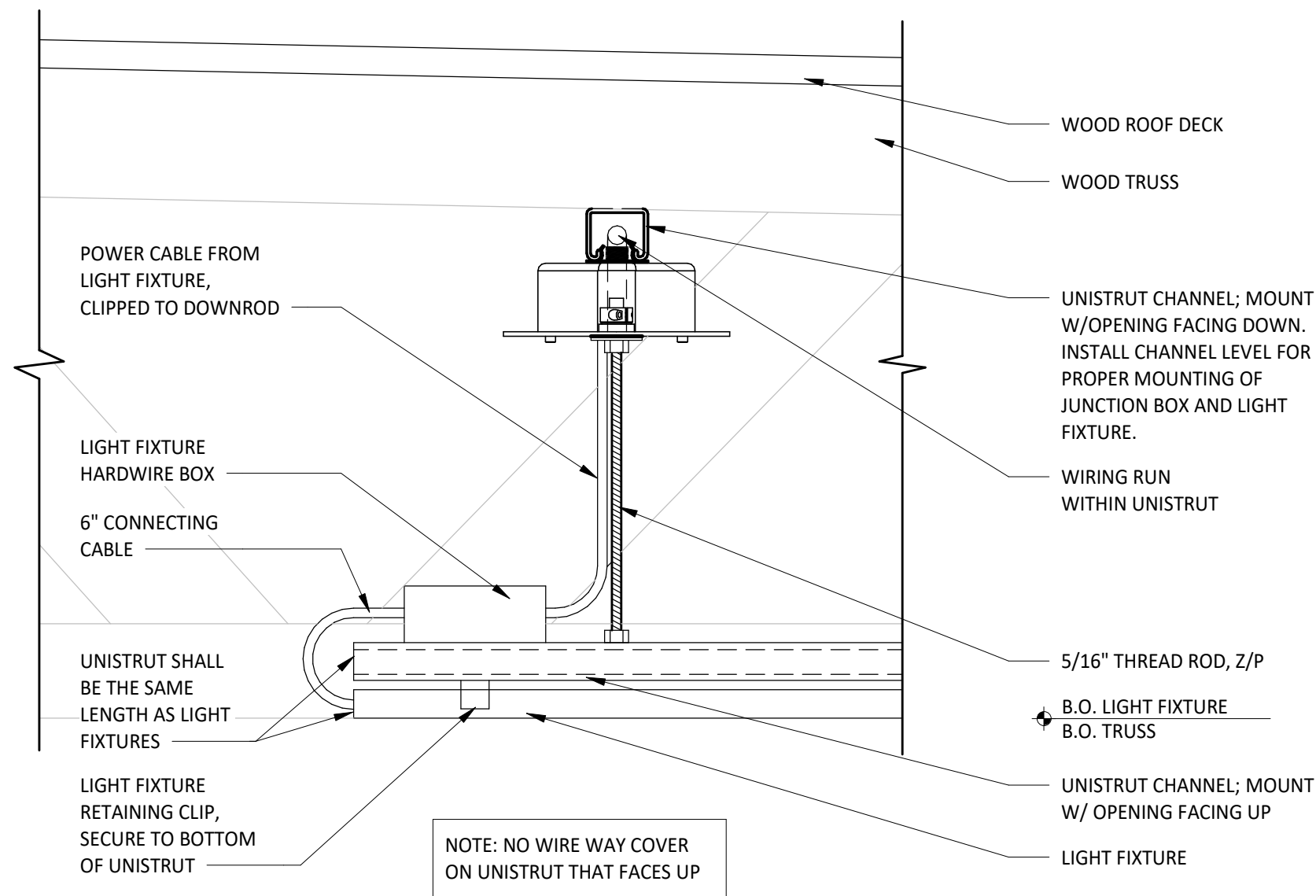


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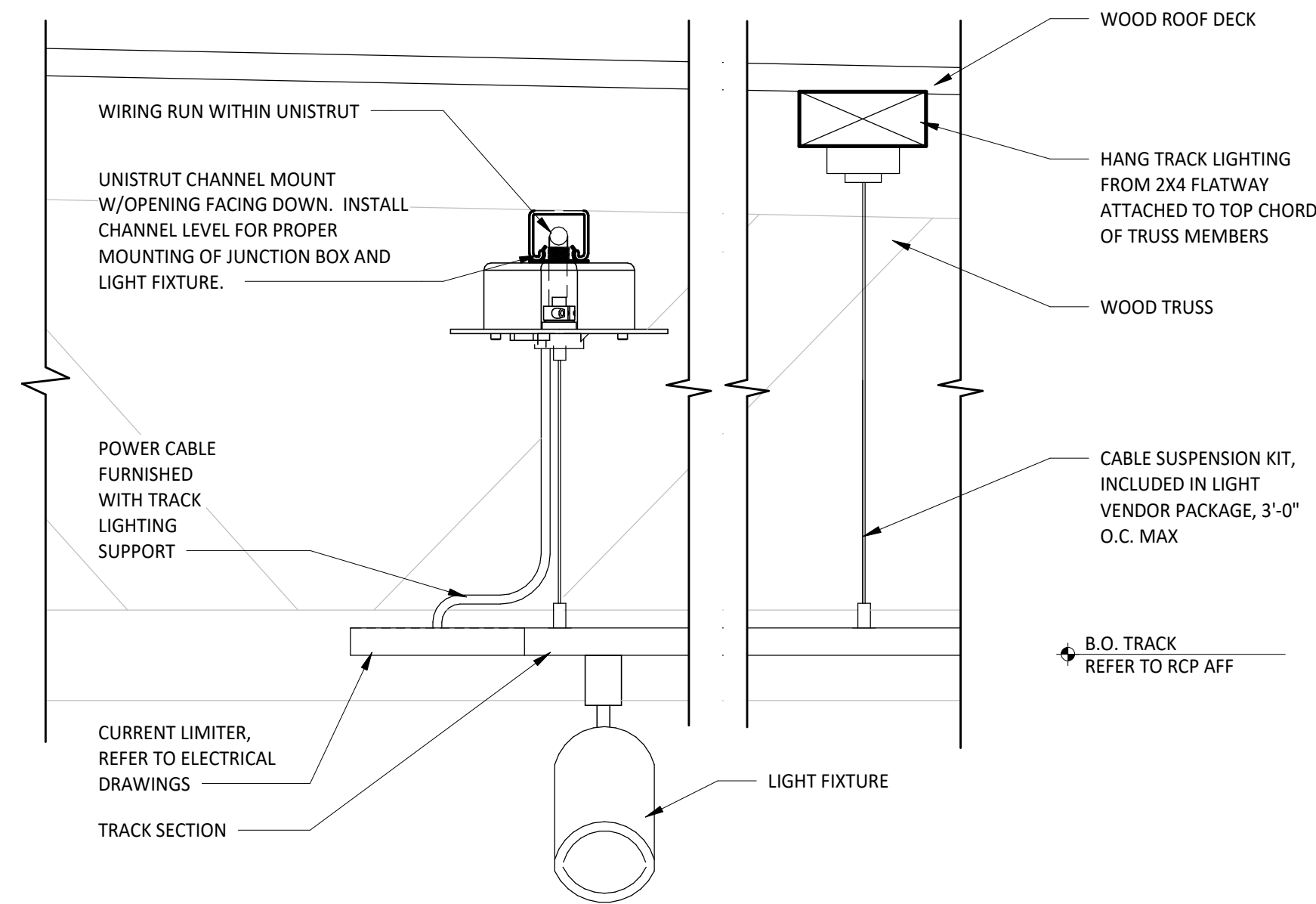
CEILING DETAILS

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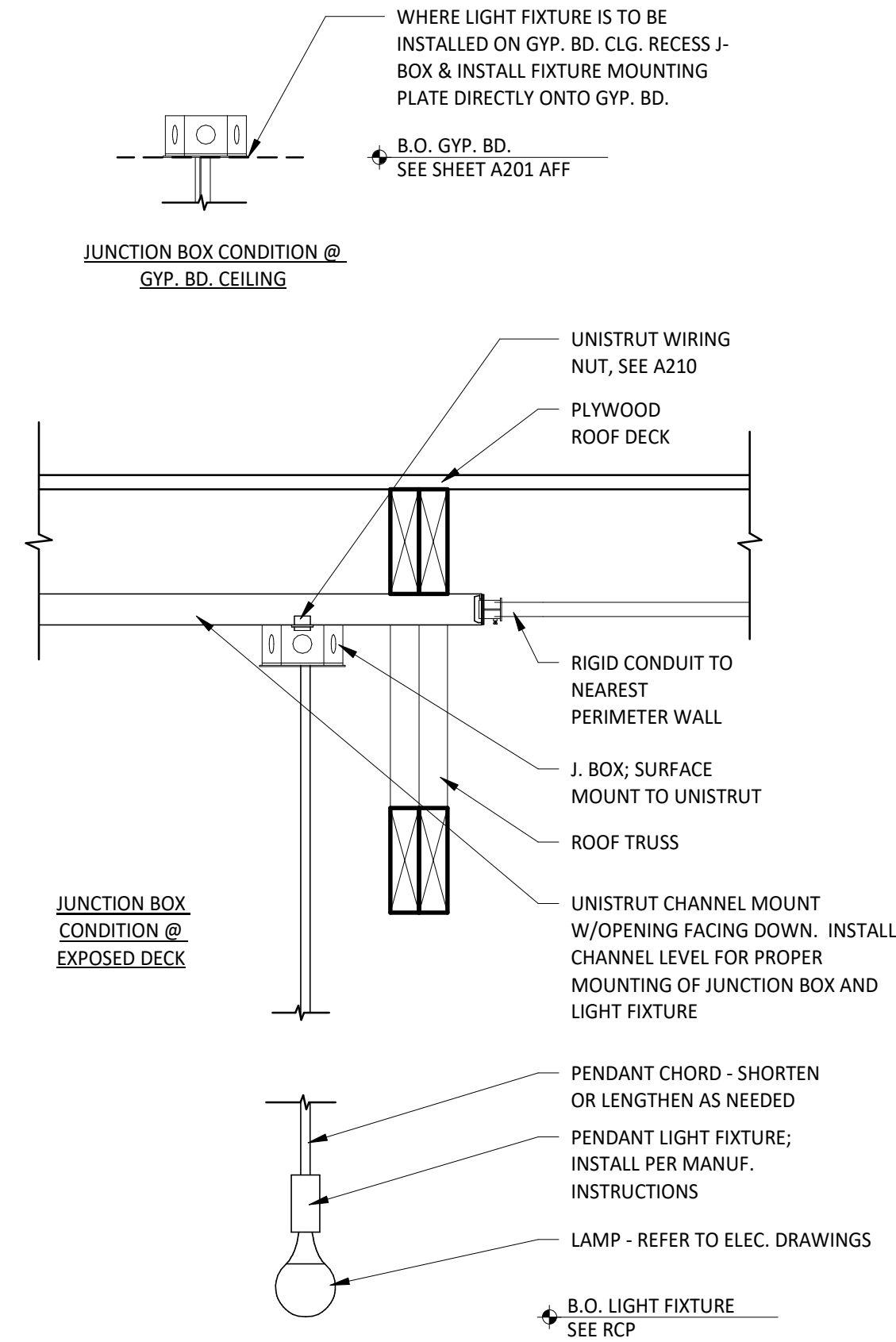
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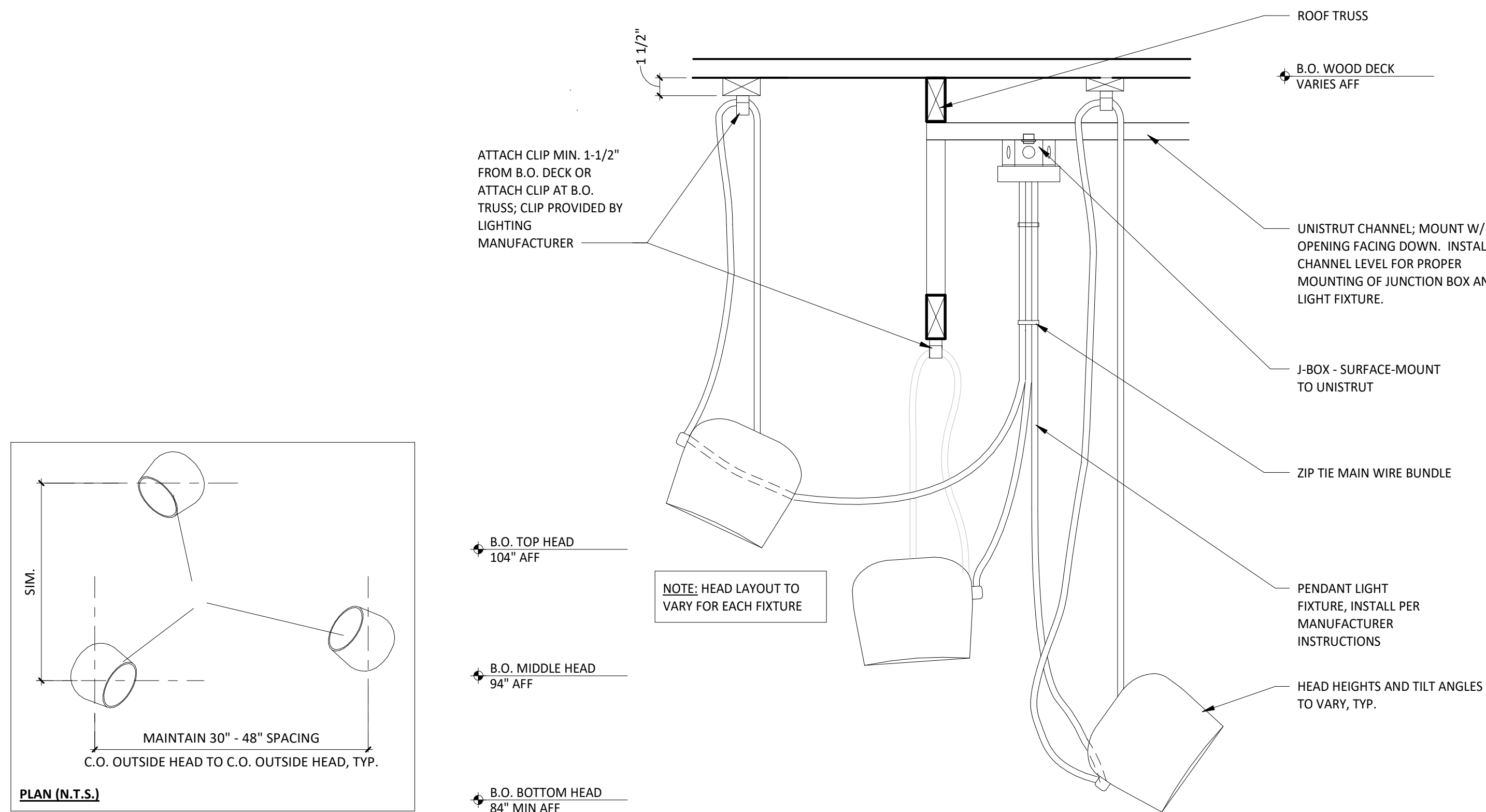
1 SUSPENDED STRIP LIGHT CONNECTION DETAIL
SCALE: 3" = 1'-0"



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



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



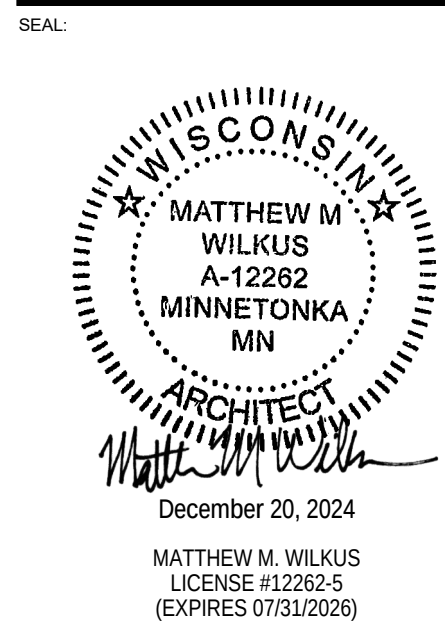
4 PENDANT LIGHT
SCALE: 1 1/2" = 1'-0"



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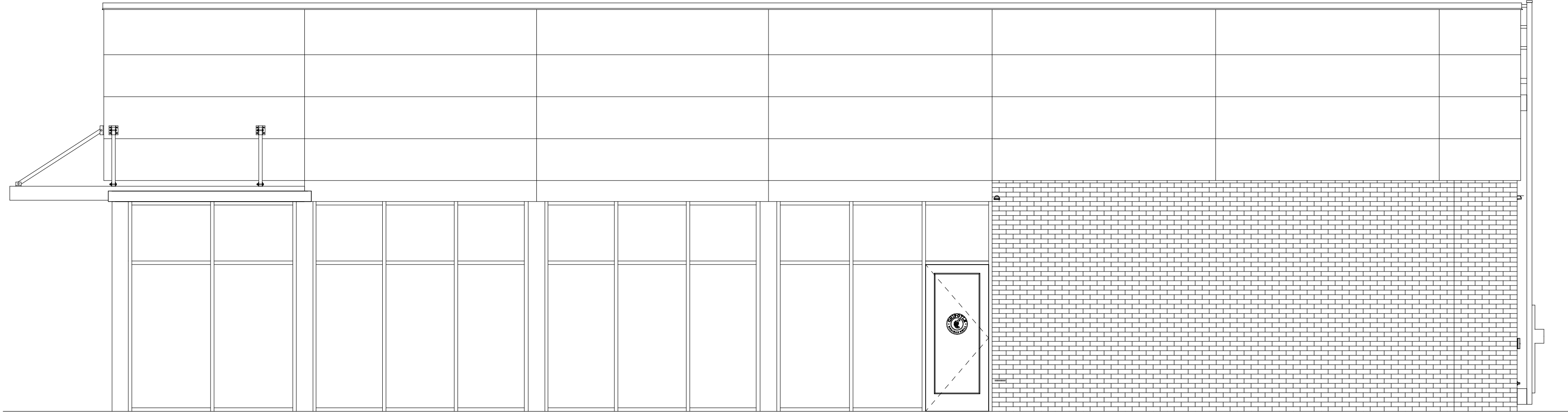
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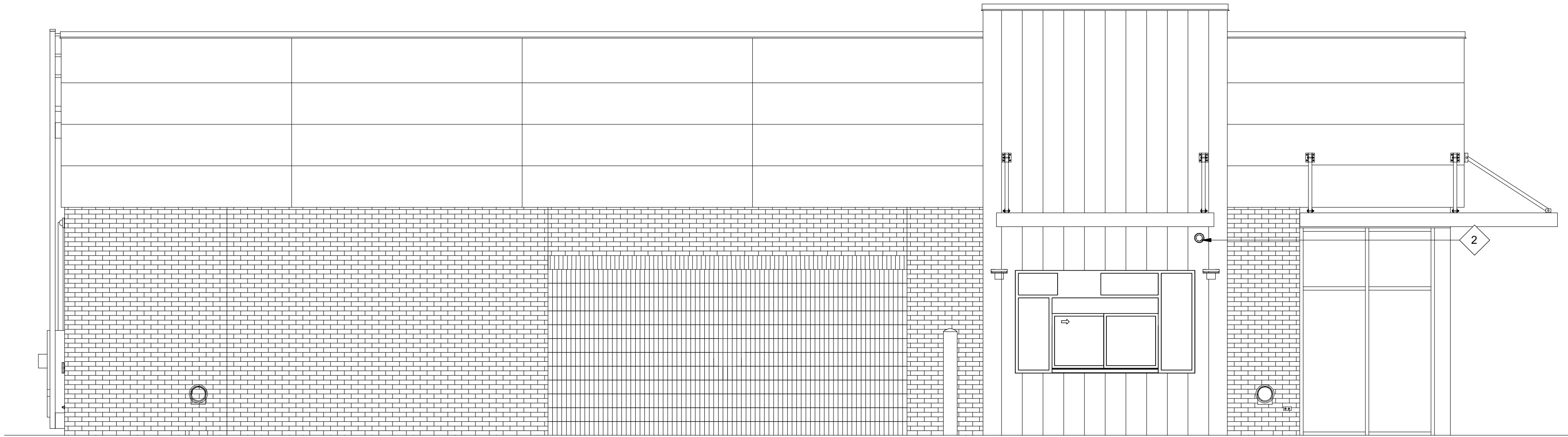
REVISIONS:
1 11/22/2024 BID SET

TITLE:
LIGHTING DETAILS

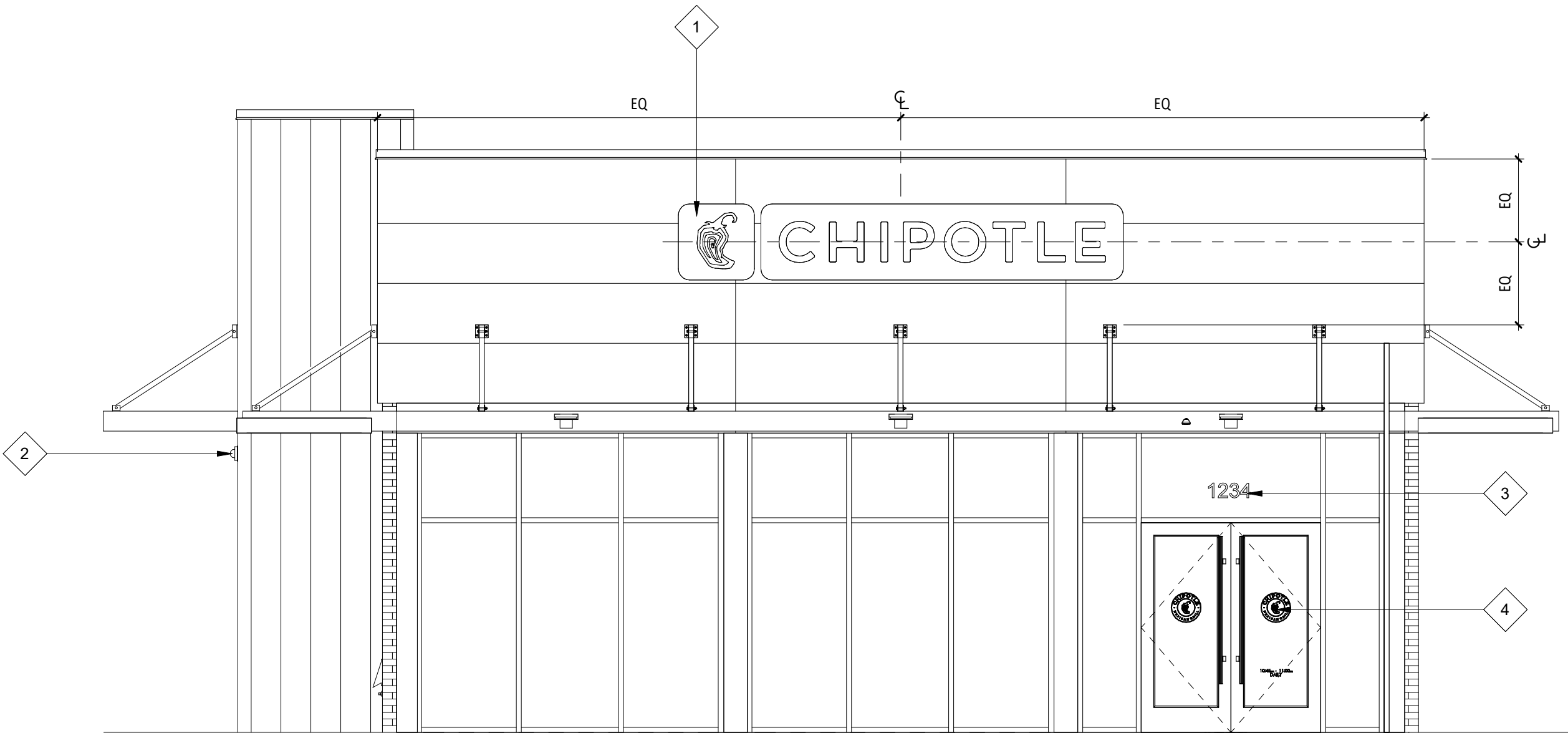
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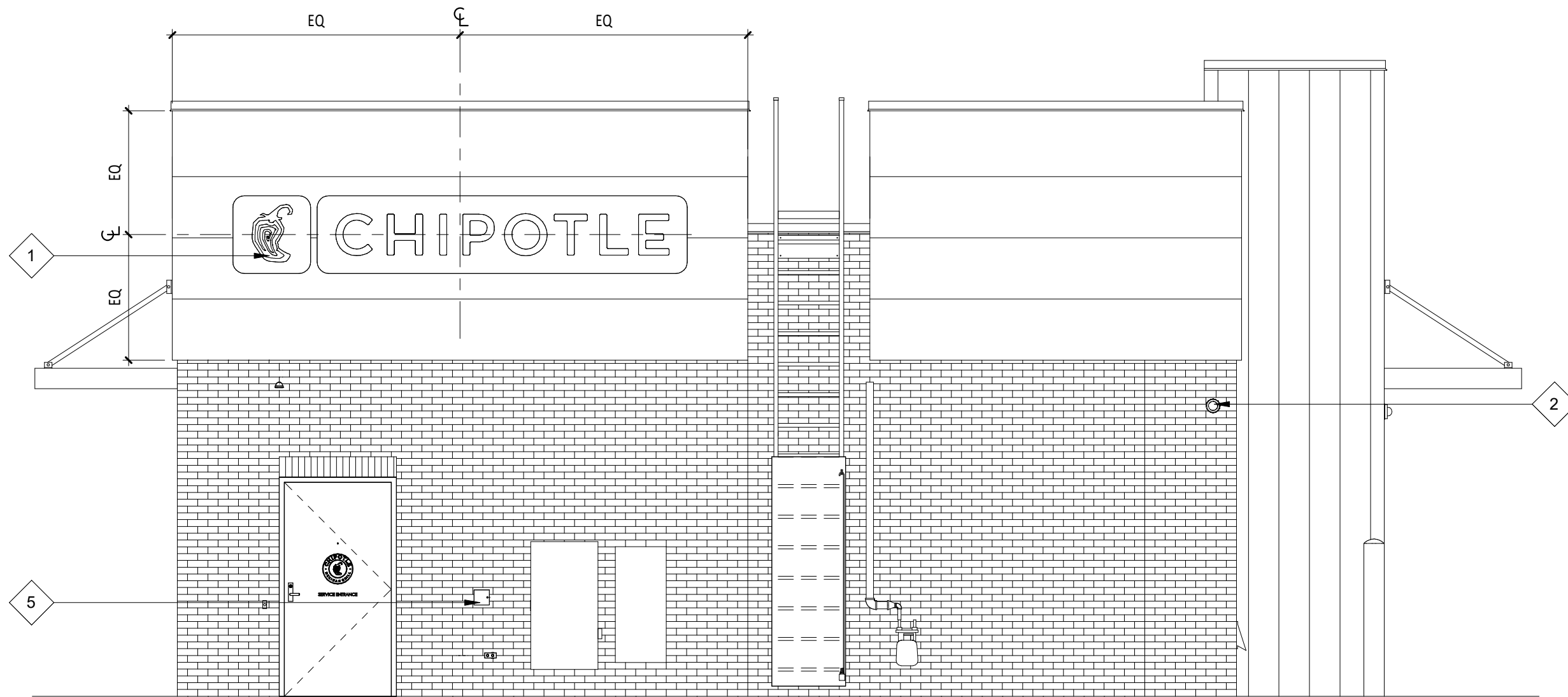
1 EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



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



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



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

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 SECURITY CAMERAS TO BE INSTALLED BY GENERAL CONTRACTOR.
- 3 6" VINYL ADDRESS LETTERS - COORDINATE ADOPTED REQUIREMENTS ON SIZE AND LOCATION WITH LOCAL JURISDICTION.
- 4 EXISTING CHARCOAL ALUMINUM STOREFRONT DOORS - WOOD PULL HANDLES PROVIDED BY MILLWORK SUPPLIER AND INSTALLED BY GENERAL CONTRACTOR - PREPARE SURFACE FOR TENANT'S GRAPHIC APPLICATIONS.
- 5 LOCATION OF REMOTE CO2 FILLER - INSTALL BETWEEN 36" AND 48" ABOVE FINISHED GRADE - VERIFY LOCATION WITH CHIPOTLE CONSTRUCTION MANAGER.

CONSULTANT:



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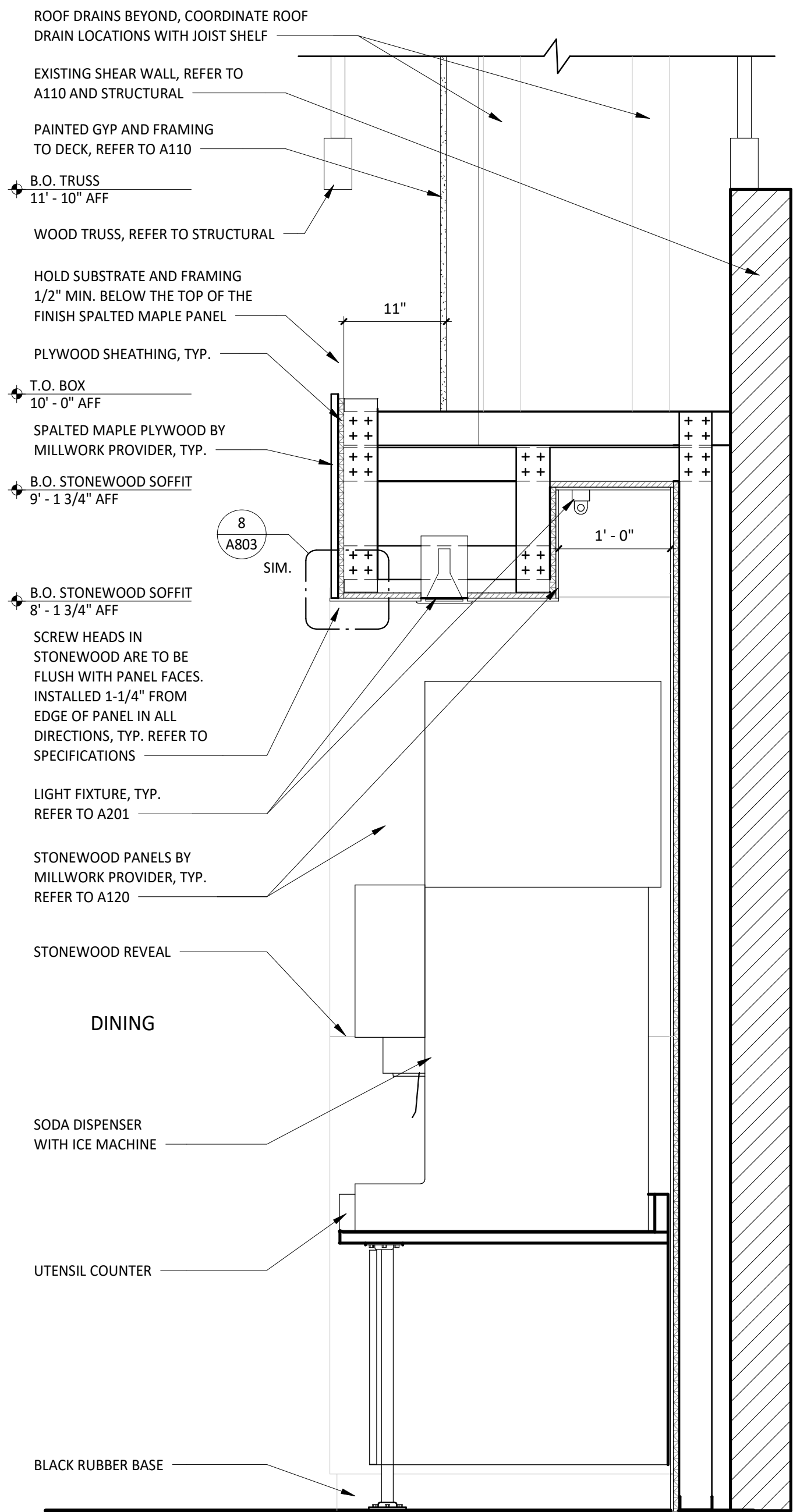
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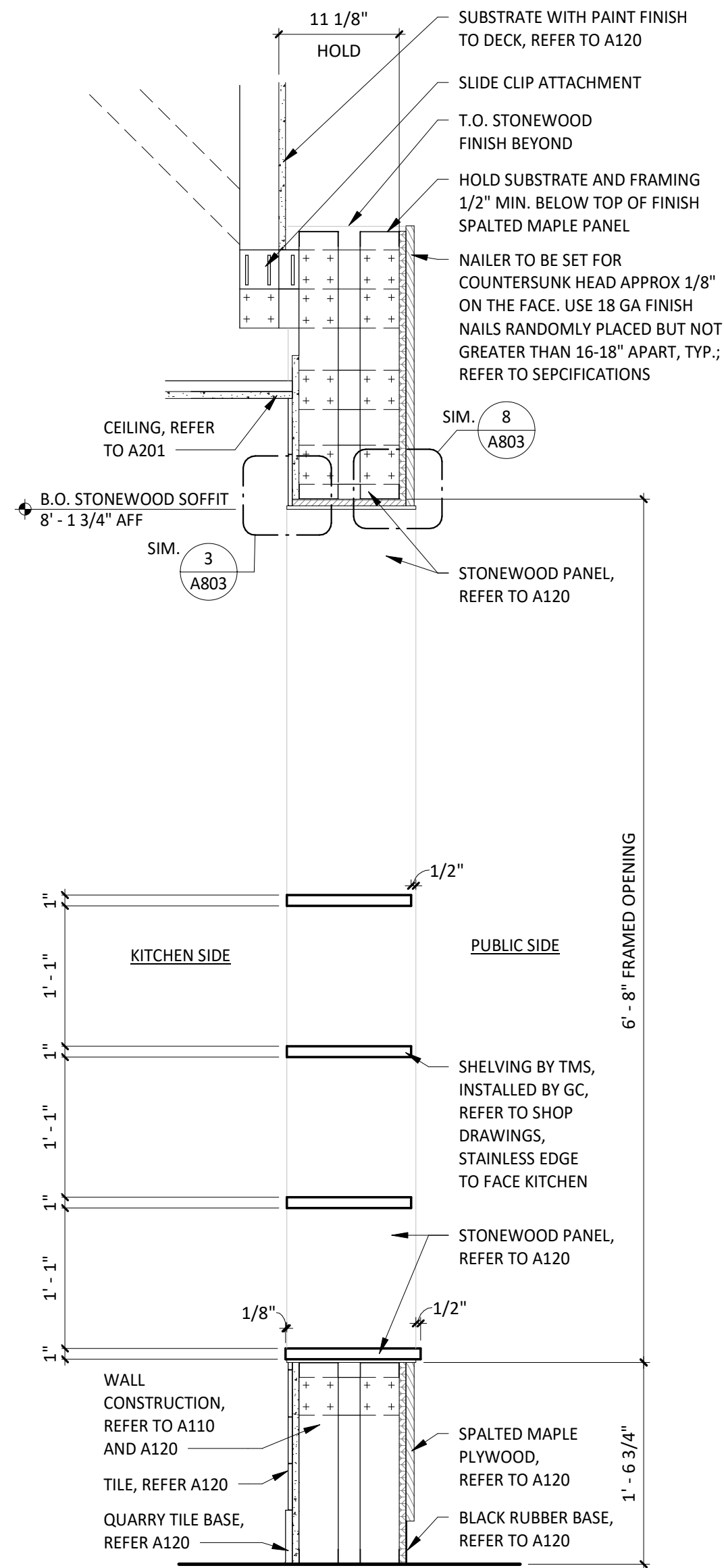
EXTERIOR
ELEVATIONS

SHEET NUMBER:

A301



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



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

CONSULTANT:



CLIENT:



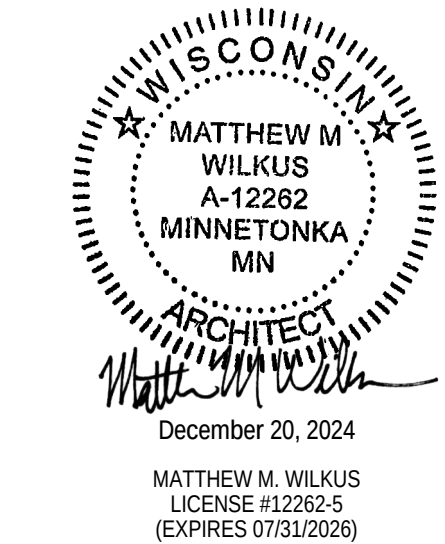
CHIPOTLE MEXICAN GRILL, INC.
P.O. BOX 162666
COLUMBUS, OH 43216-2666
TELEPHONE: (614) 318-2452
INTERNET: WWW.CHIPOTLE.COM

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GRILL, INC.

PROJECT INFORMATION:

STORE NO.: 5326
"GREENFIELD WI"
8515 SURA LANE
GREENFIELD, WI 53228

SEAL:



PROJECT NO. 2023-0549
DRAWN BY ABM
CHECKED BY DRL, CJC

ISSUE RECORD:
08/26/2024 PERMIT SET
11/22/2024 BID SET
12/20/2024 CONSTRUCTION SET

REVISIONS:

1 11/22/2024 BID SET

TITLE:

INTERIOR
SECTIONS

SHEET NUMBER:

A502

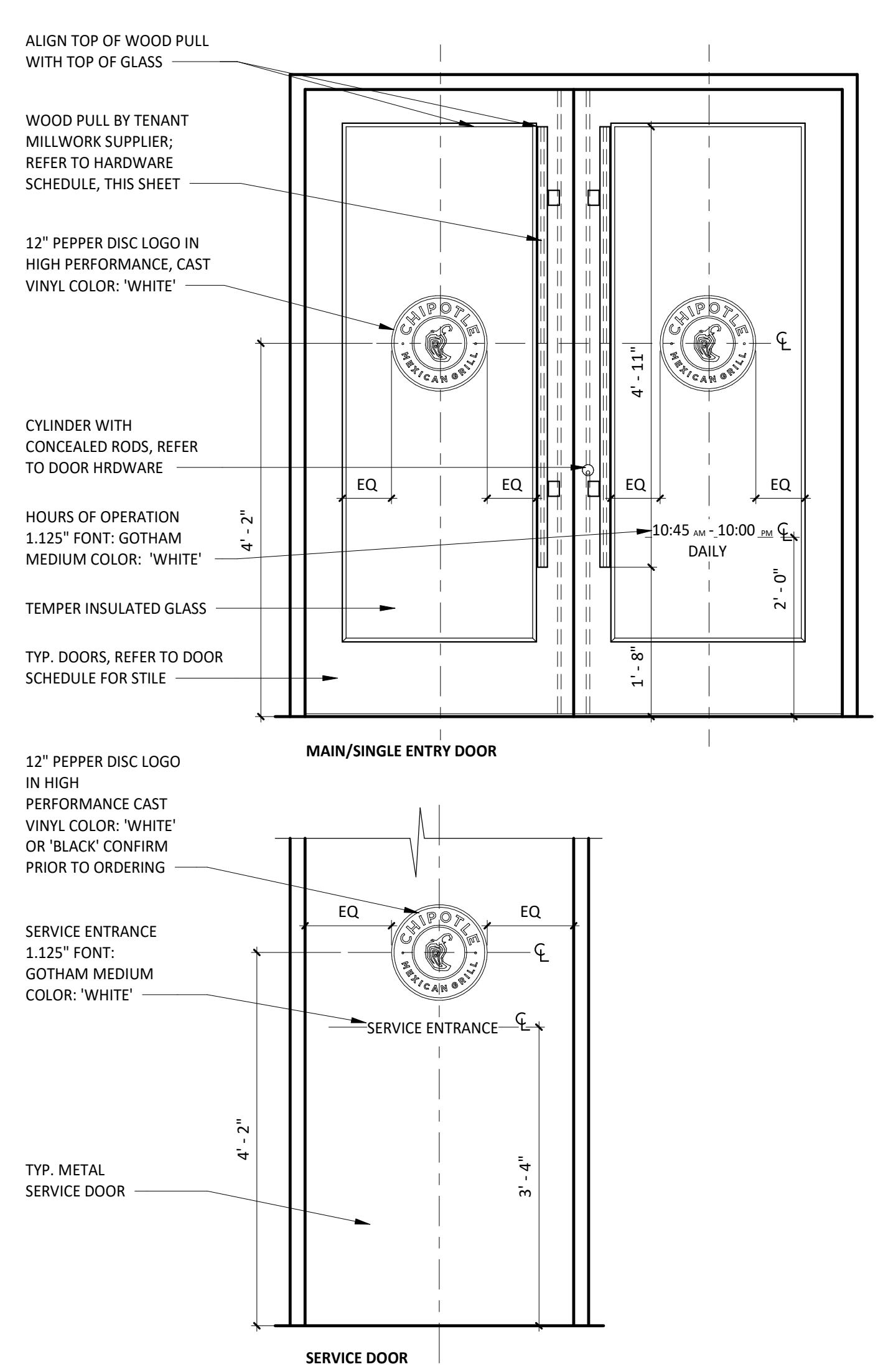
DOOR SCHEDULE

TAG	ROOM	DOOR STATUS *	FRAME STATUS	DOOR DESCRIPTION	DOOR 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	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
1a	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	-	
1b	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	-	
2	PASSAGE	EXISTING	EXISTING	SINGLE STOREFRONT (WIDE STILE, NON-OFFSET, PANIC)	3' - 0"	7' - 0"	0' - 1 3/4"	A	SEE A301	STOREFRONT	ALUM	WIDE (5")	2A	EXISTING	-	1,3,4,5
3	KITCHEN	EXISTING	EXISTING	HM REAR KITCHEN (STANDARD)	3' - 6"	7' - 0"	0' - 1 3/4"	D	D1/D2 (SEE A120)	2	H.M.	-	3	EXISTING	-	1,4,7
4	UNISEX 2	NEW	NEW	UNISEX 1 RESTROOM (SINGLE-OCCUPANT, STANDARD)	3' - 0"	7' - 0"	0' - 1 3/4"	B	D1 (SEE A120)	1	H.M.	-	6	NEW	-	
5	UNISEX 1	NEW	NEW	UNISEX 2 RESTROOM (SINGLE-OCCUPANT, STANDARD)	3' - 0"	7' - 0"	0' - 1 3/4"	B	D1 (SEE A120)	1	H.M.	-	5	NEW	-	
6	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
- 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 PEMKO, 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 HAGER, MODEL 4G US32D (8" CTC), CENTER ON DOOR STILE
- (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-EQ-4"-US28 (SIZE 42")
- (1) PULL HARDWARE FALCON, MODEL 510L-DANE-LHR-US26D, ALUMINUM (EXTERIOR SIDE)
- (1) RIM CYLINDER GLS, MODEL RCIC-7-LZ-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 S239A-42 (SIZE 42")
- (1) WEATHERSTRIP REESE, MODEL D575C-4070
- (1) DOOR SWEEP PEMKO, MODEL SF5C-200-42 (42" DOOR) (BLACK) OWNER FURNISHED
- (1) DOOR VIEWER IVES, MODEL U688B26D, C.O. VIEWER AT 60" FROM BOTTOM OF DOOR
- (1) DOOR SILENCERS IVES, MODEL SR64
- (1) DOOR BUZZER TRINE, MODEL 66B
- (1) KICKPLATE HIAWATHA, MODEL KP834-US32D

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 30S, 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-US32D (SIZE 8" X 34")

SET 4 - MANAGER'S OFFICE

- (3) HINGE STANLEY, MODEL FBB179-4.5-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
- (3) DOOR SILENCERS IVES, MODEL SR64
- (1) SECURITY WINDOW AIR LOUVERS, MODEL VSL1212TEMPPAK SLUMLINE 12" X 12" X 1/4" LITE KIT (10" X 10" GLASS VISIBLE)

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

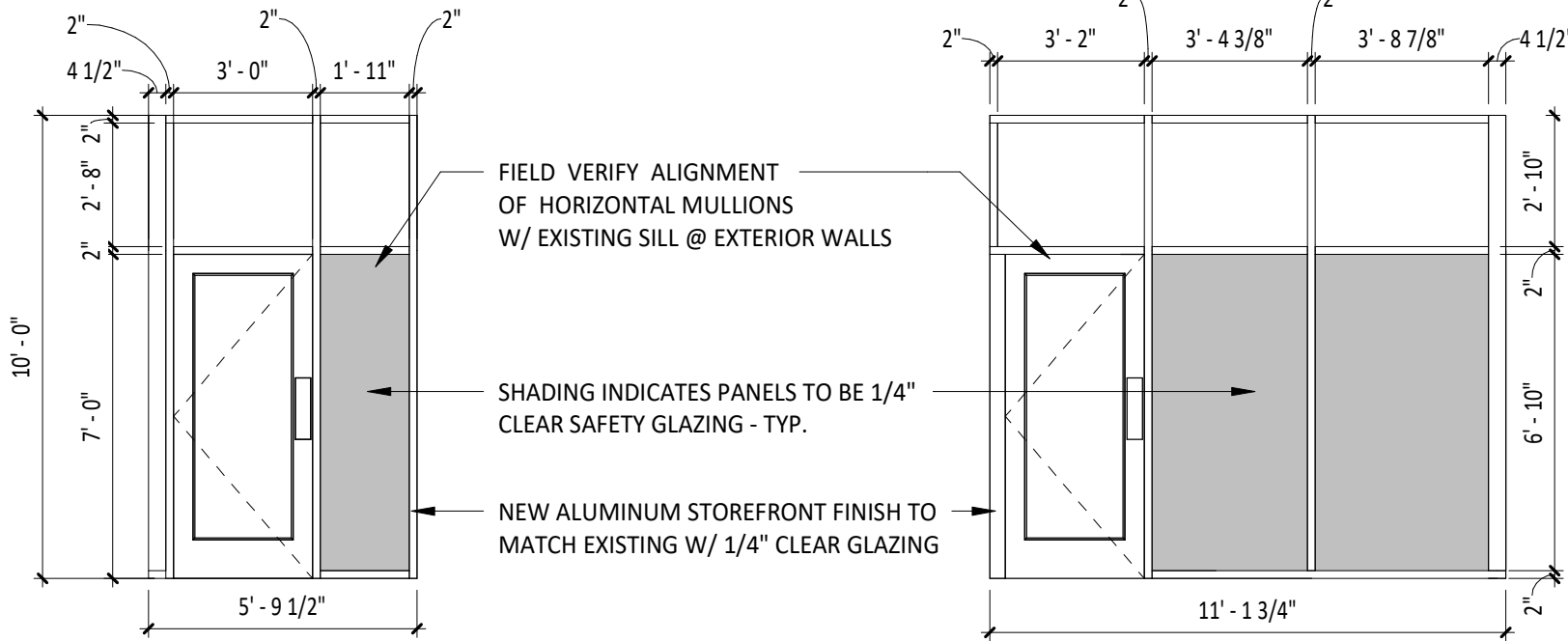
- (3) HINGE STANLEY, MODEL FBB179-4.5-US26 (06-8438)
- (1) CLOSER FALCON, MODEL: SC61xRW/PAXALU
- (1) LOCKSET SCHLAGE, MODEL AL40S-NEP-626
- (1) DOOR STOP DON-JO, 1407-630
- (3) DOOR SILENCERS IVES, MODEL SR64
- (2) KICKPLATE HIAWATHA, MODEL KP834-32D
- (1) COAT HOOK MILLS, MODEL FT6519, SUPPLIED BY 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 FBB179-4.5-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

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



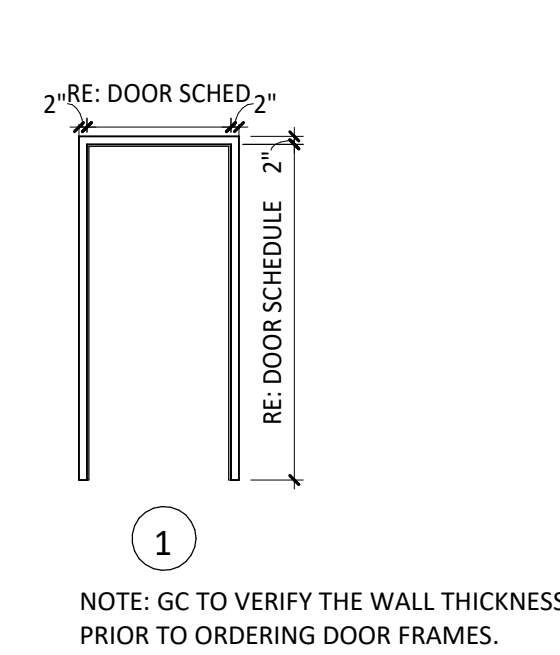
1 STOREFRONT ELEVATION 1
SCALE: 1/4" = 1'-0"

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

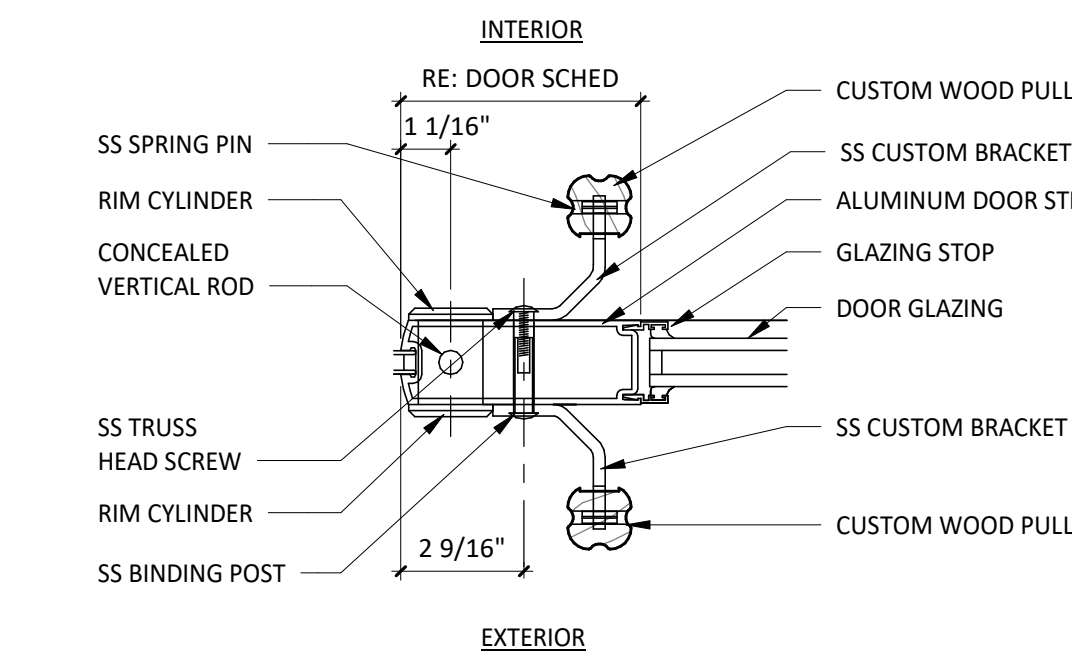
GENERAL DOOR HARDWARE

- A. ALL EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
- B. LATCHES, HANDLES, PANIC BARS AND ALL DOOR HARDWARE WILL COMPLY WITH SECTION 7.2 OF NPFA 101 PER THE SPECIFICATIONS.
- C. THE MANAGER HAS A KEY TO UNLOCK RESTROOM DOORS, FROM THE OUTSIDE IN CASE OF AN EMERGENCY.
- D. ALL DOORS TO REMAIN UNLOCKED DURING BUSINESS HOURS.
- E. SEE THIS SHEET FOR EXTERIOR DOOR SIGNAGE INFO.
- F. 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.
- G. ALL FRAMES, DOORS AND HARDWARE TO BE FURNISHED BY TENANT HARDWARE SUPPLIER AND INSTALLED BY TENANT G.C. CALL ANDY SNYDER WITH TWIN CITY HARDWARE AT 763-762-4860 (EMAIL: ASNYDER@TCHCO.COM) TO ARRANGE DELIVERY. STOREFRONT DOORS ARE TO BE PROVIDED BY G.C., STOREFRONT HARDWARE PROVIDED BY TENANT HARDWARE SUPPLIER.
- H. 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.
- J. ALL SUPPORT SIGNAGE INSTALLED BY G.C.
- J. ALL SUPPORT SIGNAGE PROVIDED BY TENANT'S SUPPORT SIGNAGE SUPPLIER.
- K. ALL HARDWARE SHALL MATCH STOREFRONT, VERIFY WITH ARCHITECT AND/OR CHIPOTLE CONSTRUCTION MANAGER PRIOR TO ORDERING.

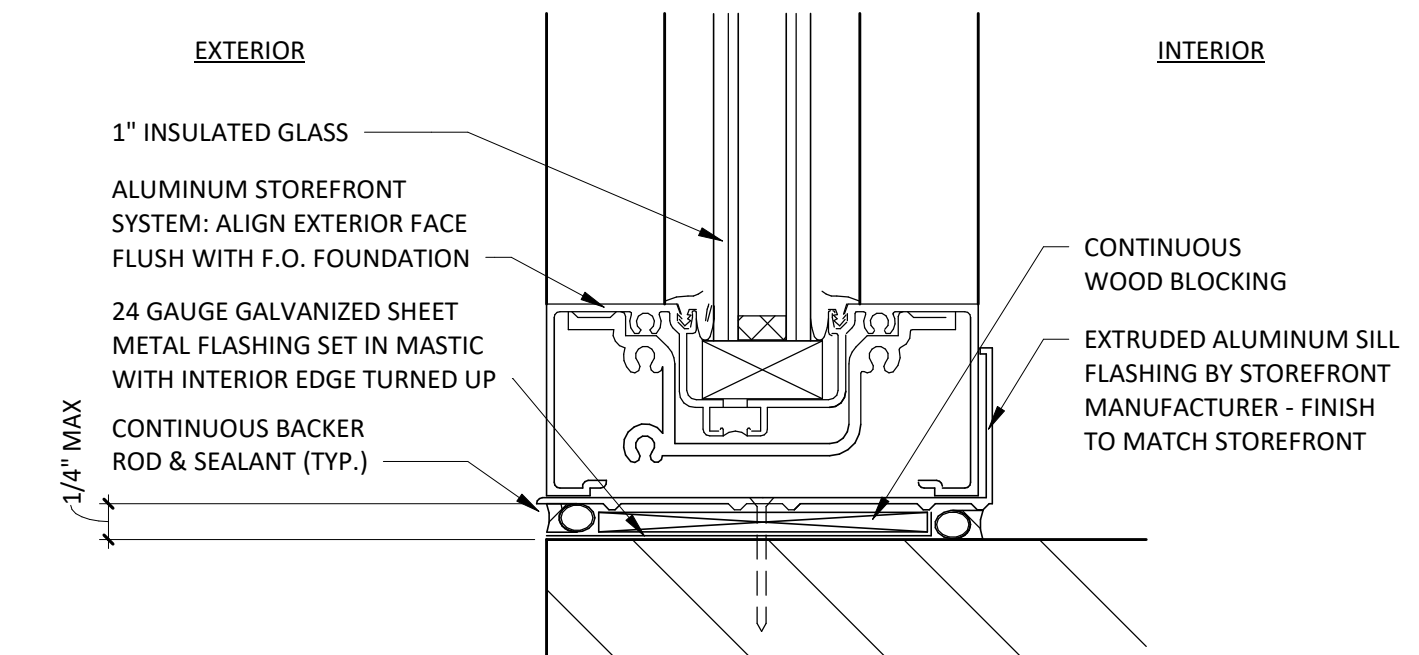
DOOR FRAME



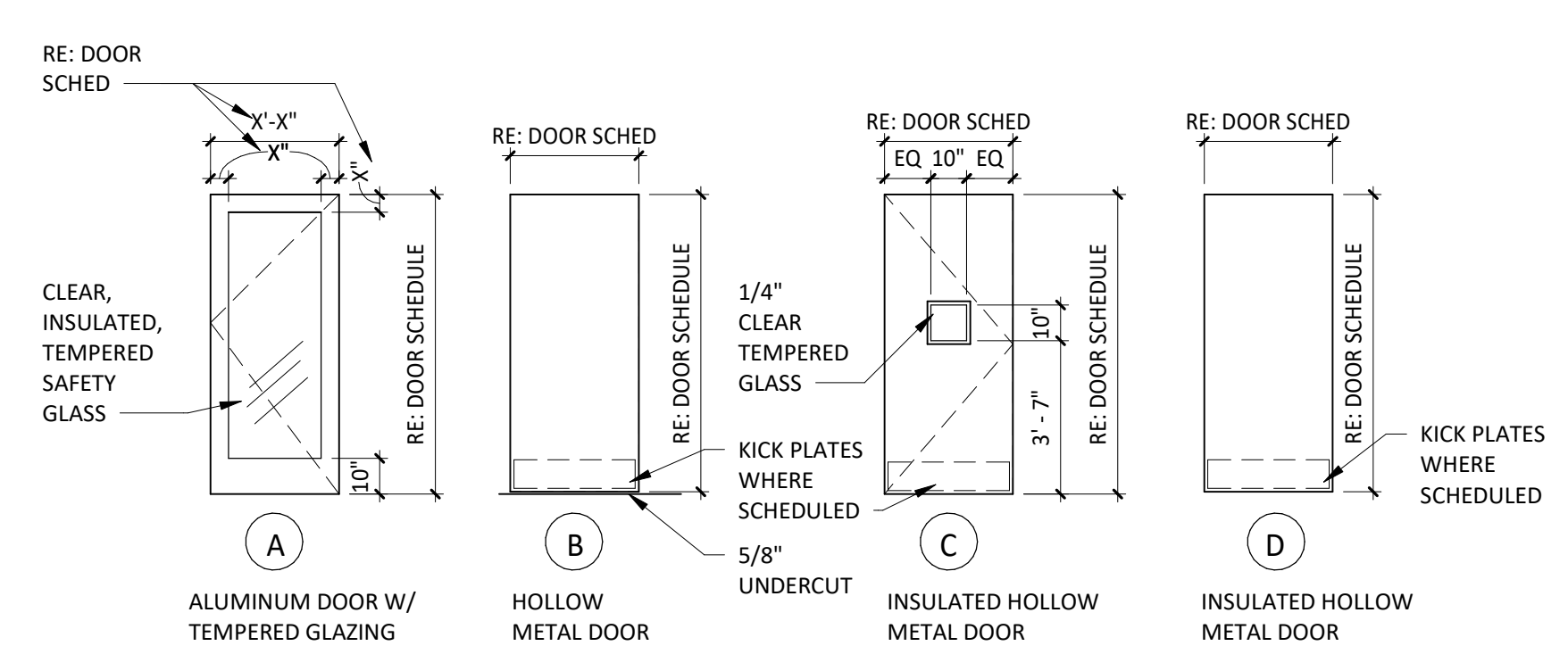
CUSTOM WOOD PULL



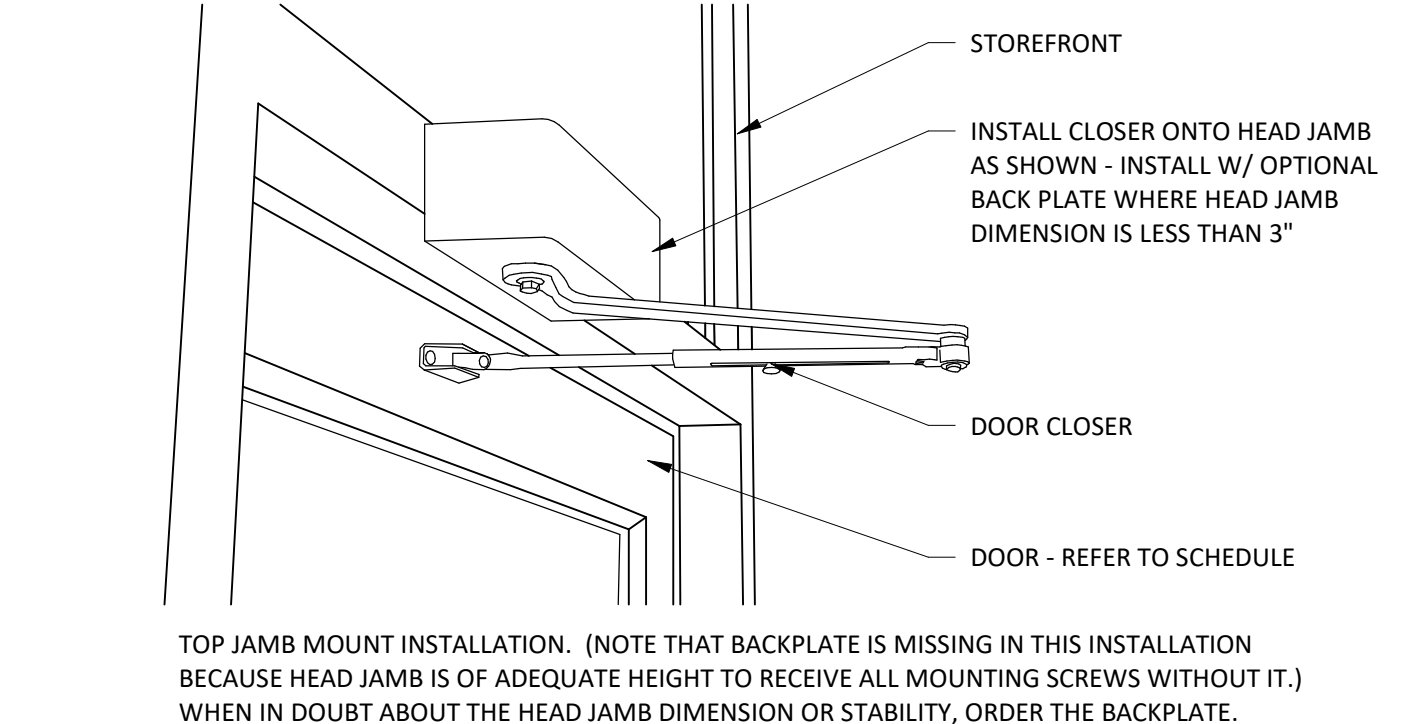
SILL FLASHING



DOOR TYPES



DOOR CLOSER



CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL

PROJECT INFORMATION:

STORE NO.: 5326
"GREENFIELD WI"
8515 SURA LANE
GREENFIELD, WI 53228

SEAL:

MATTHEW M. WILKUS
A-12282
MINNETONKA
MN
ARCHITECT
December 20, 2024
MATTHEW M. WILKUS
LICENSE #12262-5
(EXPIRES 07/31/2026)

PROJECT NO. 2023-0549
DRAWN BY ABM
CHECKED BY DRL, CJG

ISSUE RECORD:

08/26/2024	PERMIT SET
11/22/2024	BID SET
12/20/2024	CONSTRUCTION SET

REVISIONS:

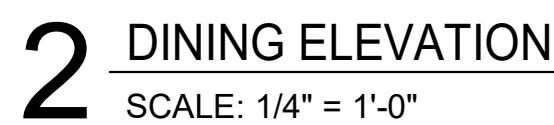
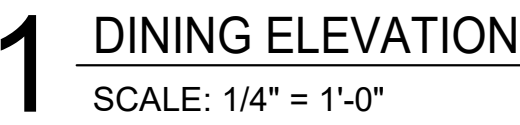
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2	12/20/2024	CONSTRUCTION SET

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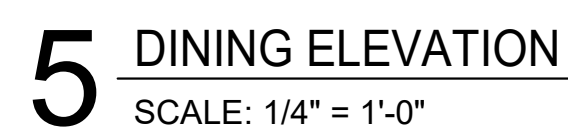
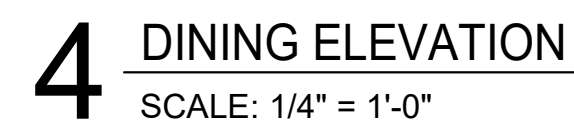
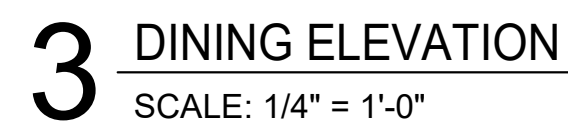
DOOR & HARDWARE SCHEDULE

SHEET NUMBER:

A601



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	SODA CHASE BEYOND - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
5	6 - PANEL ARTWORK LOCATION.
6	MILLWORK BY TMS - REFER TO A130 FOR ADDITIONAL INFORMATION.
7	LIGHT FIXTURES TO BE CENTERED OVER HIGHTOP TABLE - REFER TO A211 FOR ADDITIONAL INFORMATION.
8	STAINLESS STEEL SHROUD, REFER TO FINISH PLAN.
9	EXISTING STRUCTURE TO REMAIN UNPAINTED - REFER TO A140 AND A201 FOR ADDITIONAL INFORMATION.



A701

RESTROOM ACCESSORIES

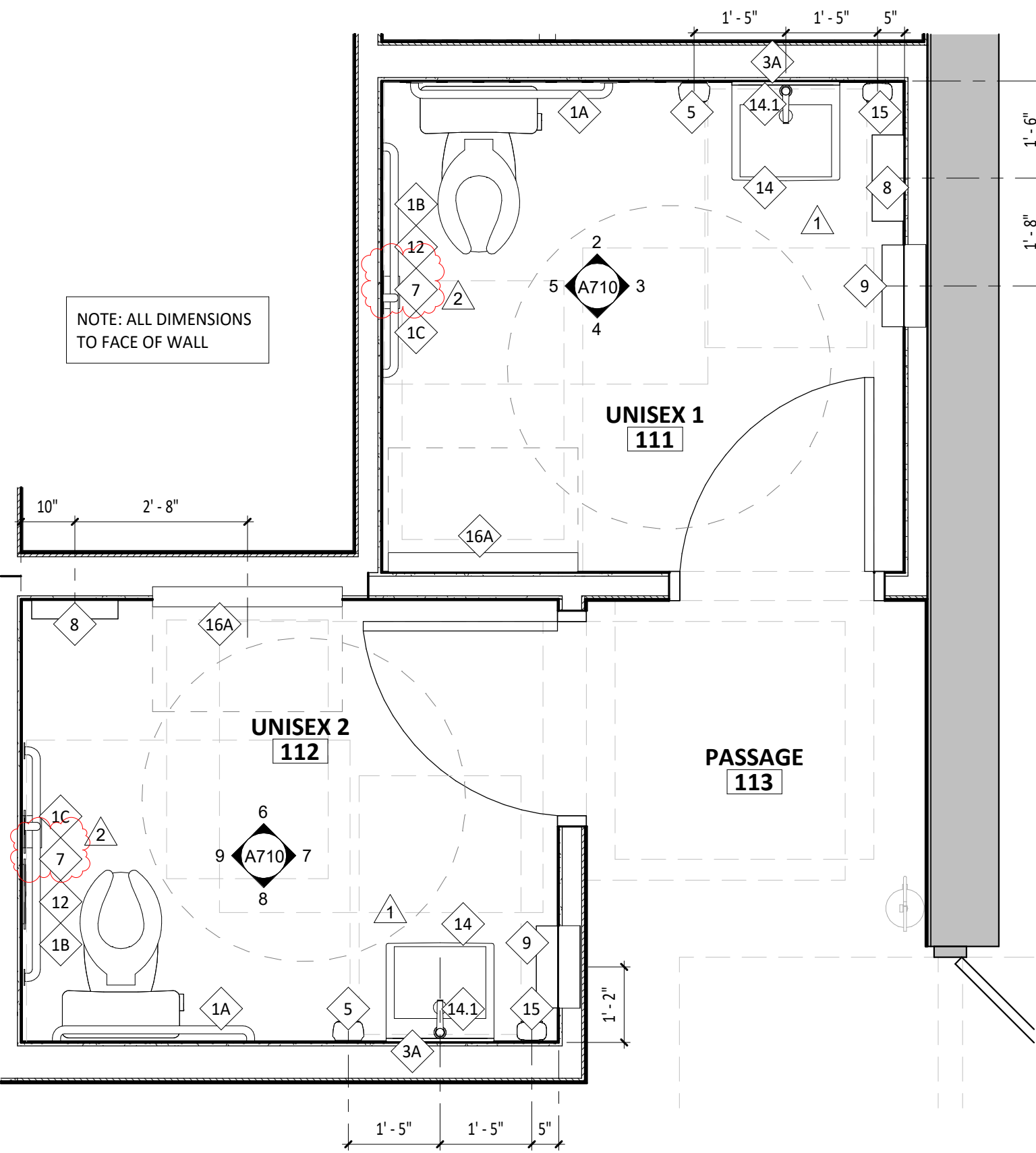
ITEM #	DESCRIPTION	MANUF	MODEL	QTY	PROVIDED BY	INSTALLED BY	UTILITY				MOUNTING HEIGHT	REMARKS
							ELEC	GAS	WATER	SEWER		
1A	Grab Bar - 36in	ASI	3501-36	2	WA	GC					34" AFF to Centerline of Gaspng Surface	Provide Plywood Blocking to Mount to Wall
1B	Grab Bar - 42in	ASI	3501-42	2	WA	GC					34" AFF 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
3A	Vandal Proof Mirror	Sentry Mirror	20" x 30" Vandal Proof Mirror	2	TS	GC					Bottom Edge of Reflecting Surface at 40" AFF	Provide Plywood Blocking to Mount to Wall
5	Touch-Free Soap Dispenser	Purell	CS8	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	SEE MEP	SEE MEP	2	GC	GC					Mount Bottom of Front Edge Of The Sink At Exactly 29" AFF	
14.1	Restroom Hand Sink Faucet	Chicago Faucets	3520-E2805ABCP	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

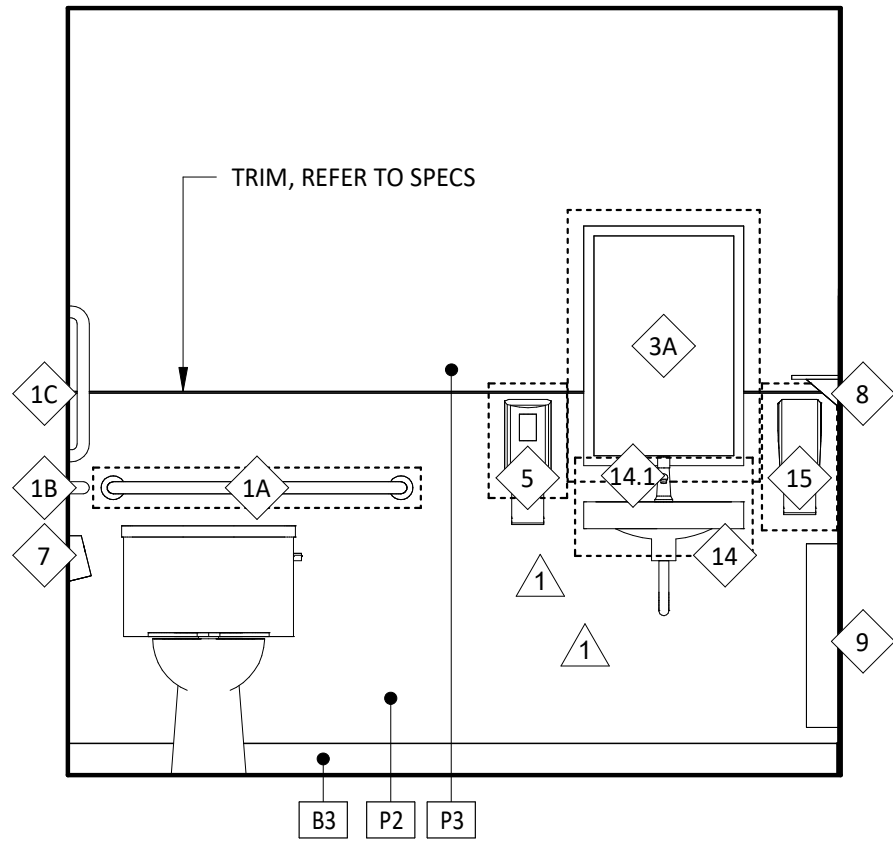
- A. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE NOTES.
B. REFER TO A801 FOR FINISH DETAIL NOTES.
C. ALL ACCESSORIES SHALL BE AS MANUFACTURED BY AMERICAN SPECIALTIES INC OR TENANT APPROVED EQUIVALENT UNLESS DESIGNATED OTHERWISE. PROVIDE SOLID FRT WOOD BLOCKING AS NECESSARY FOR INSTALLATION PER 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

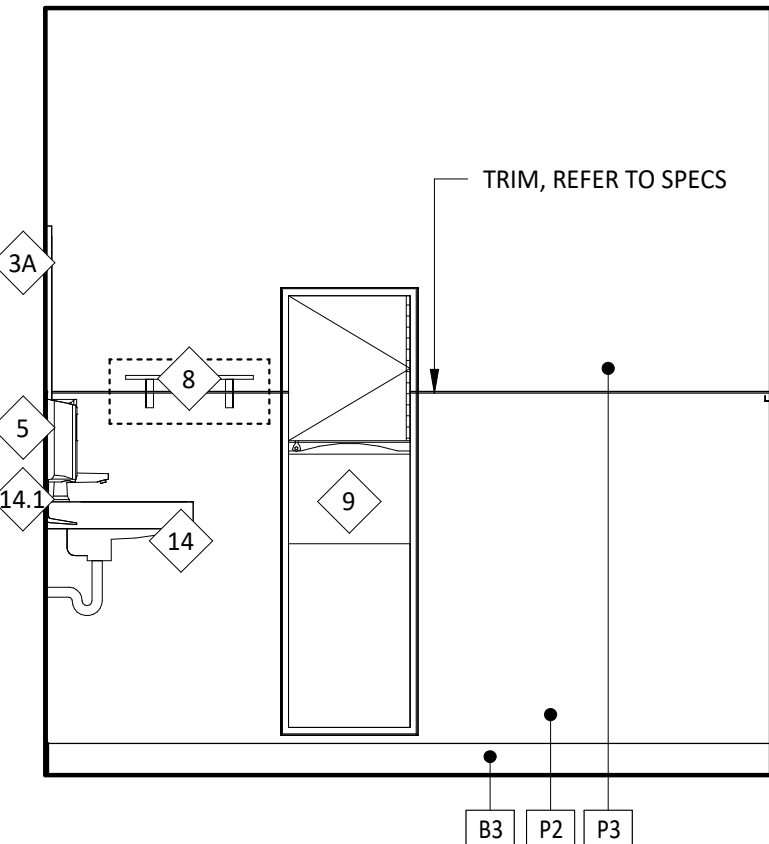
⬡ DENOTES WOOD BLOCKING IN WALL BEHIND WALL MOUNTED OBJECT U.N.O.



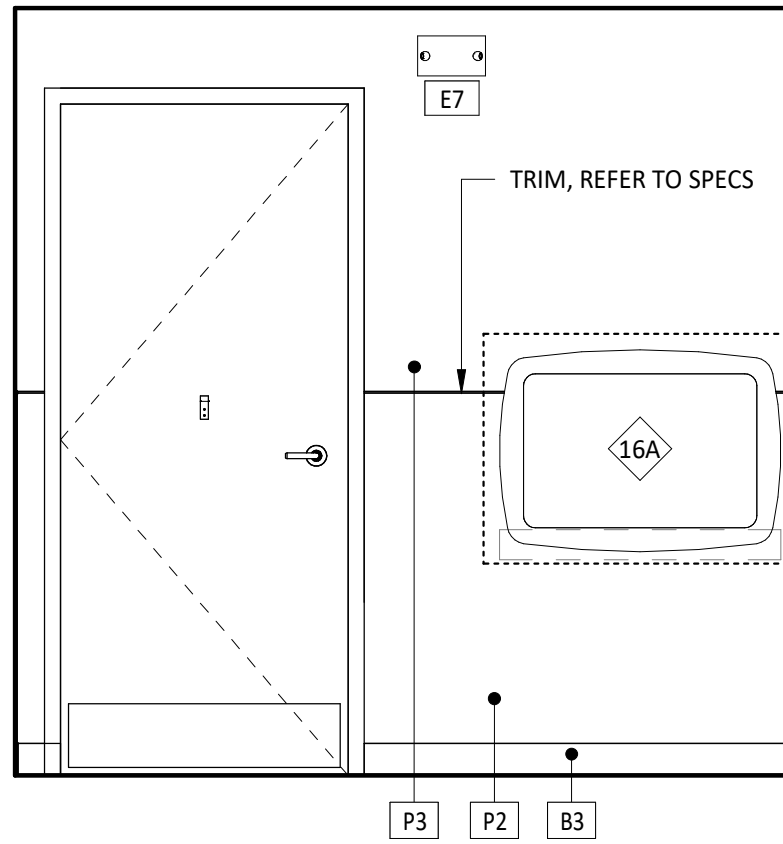
1 ENLARGED PLAN
SCALE: 1/2" = 1'-0"



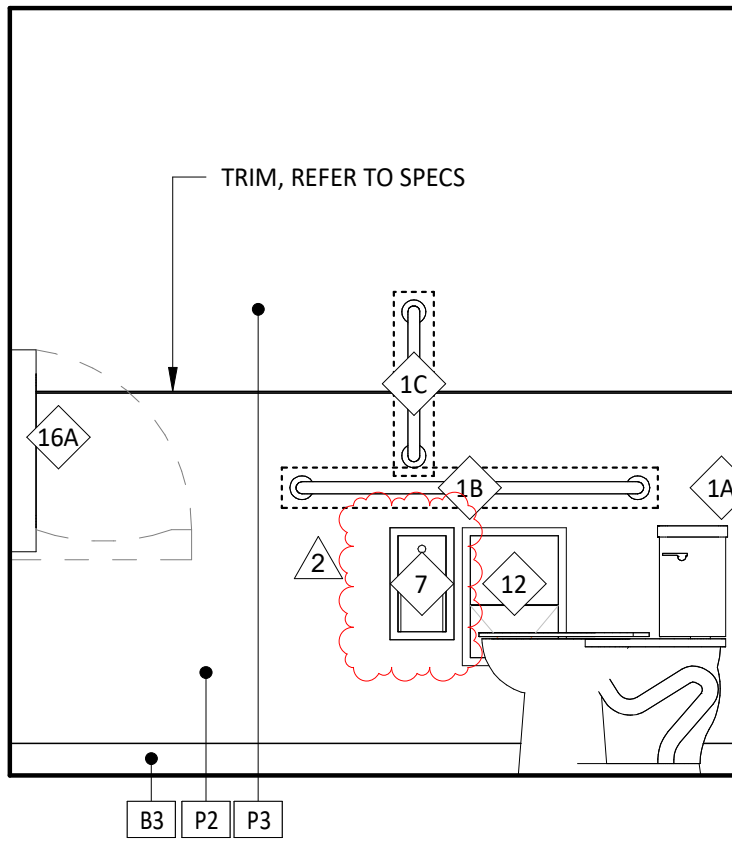
2 UNISEX 1 RESTROOM
SCALE: 1/2" = 1'-0"



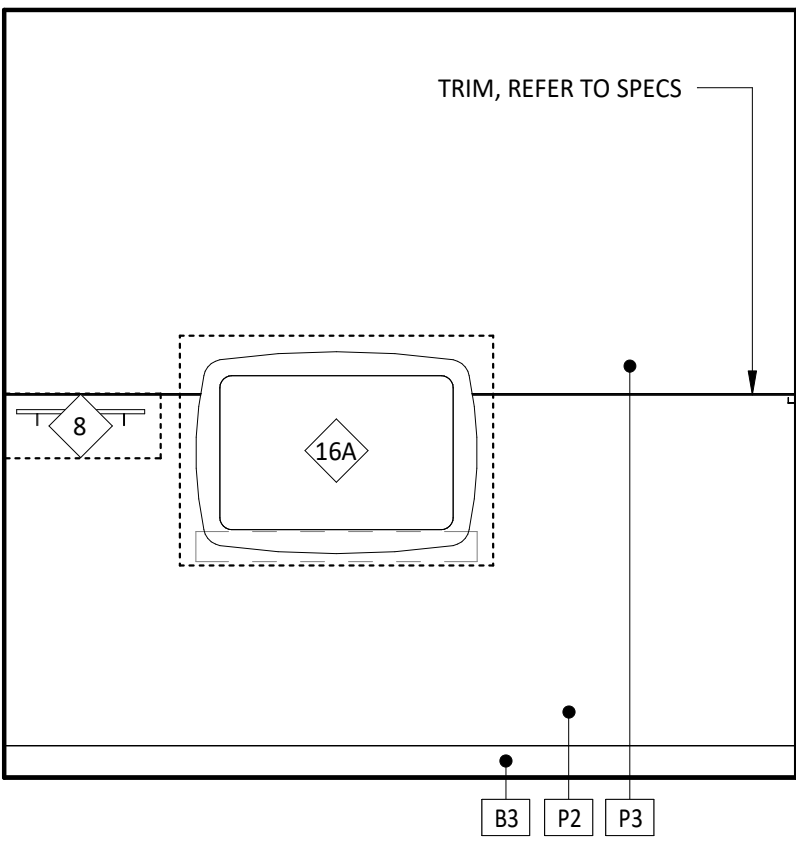
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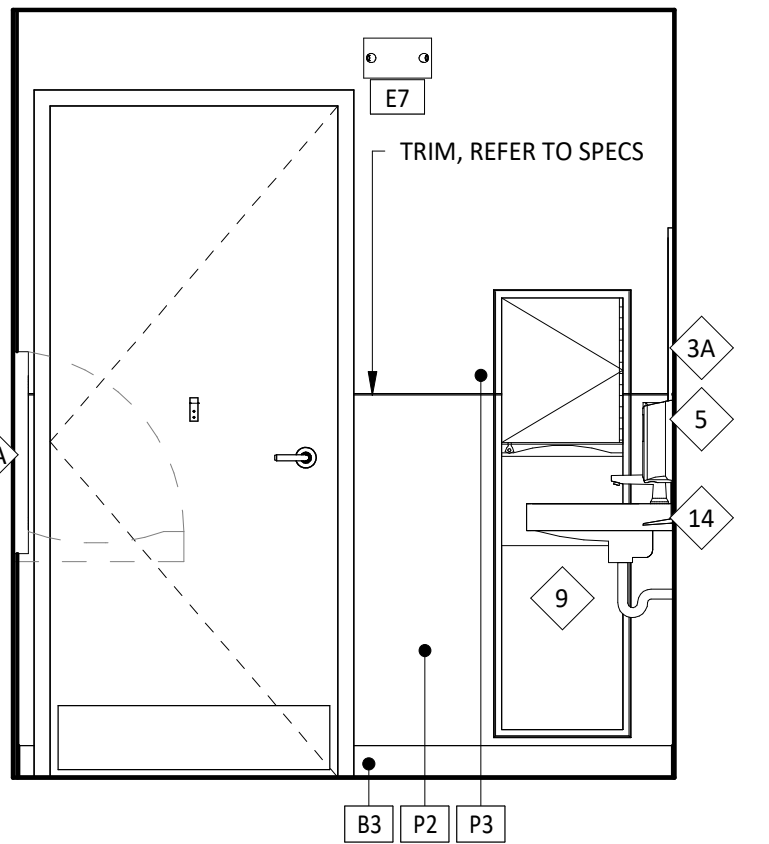
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SCALE: 1/2" = 1'-0"



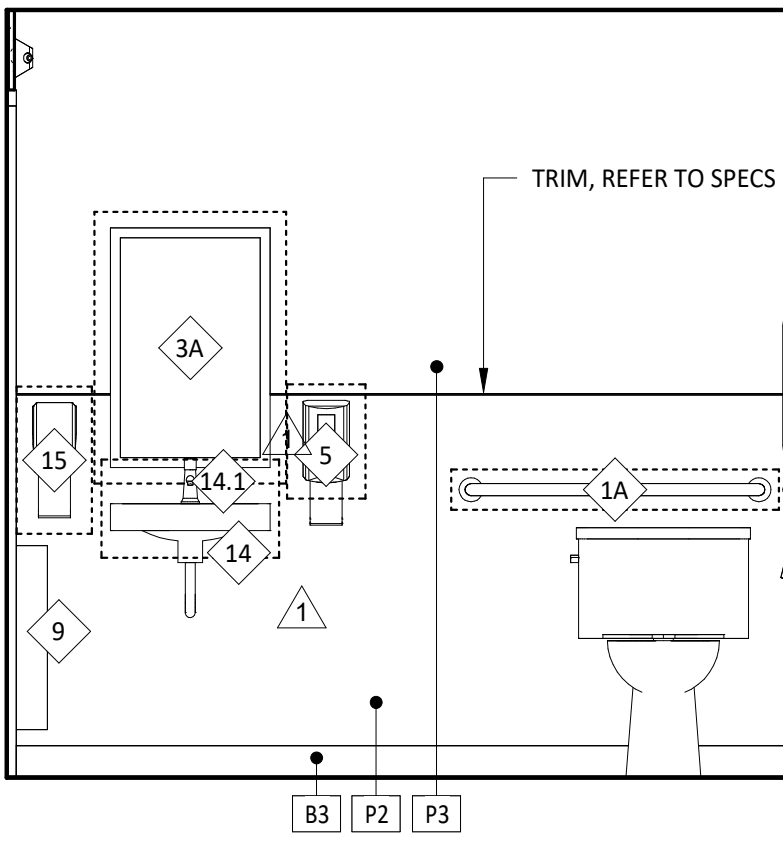
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SCALE: 1/2" = 1'-0"



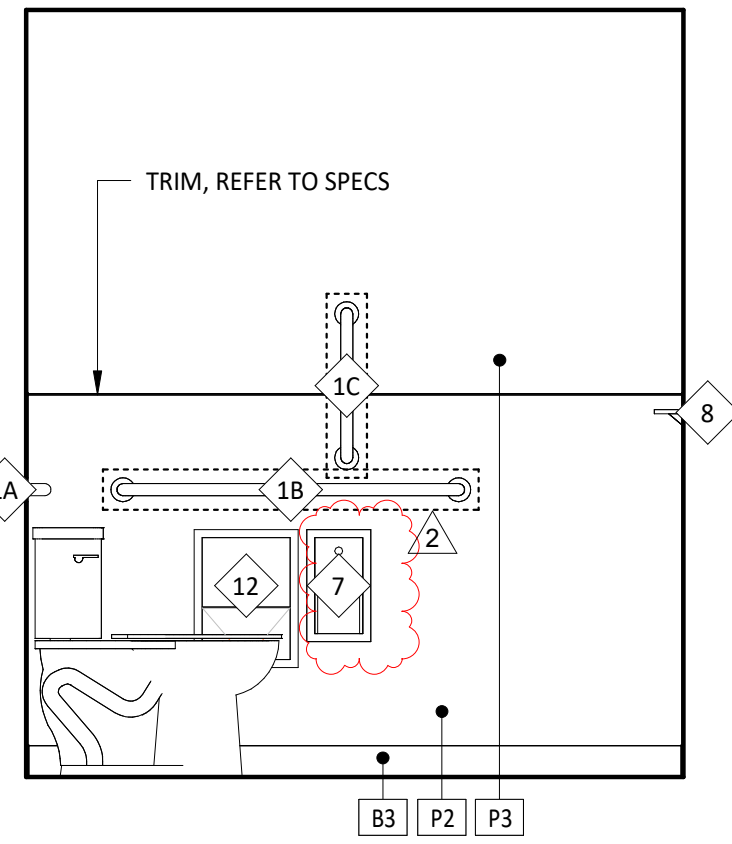
6 UNISEX 2 RESTROOM
SCALE: 1/2" = 1'-0"



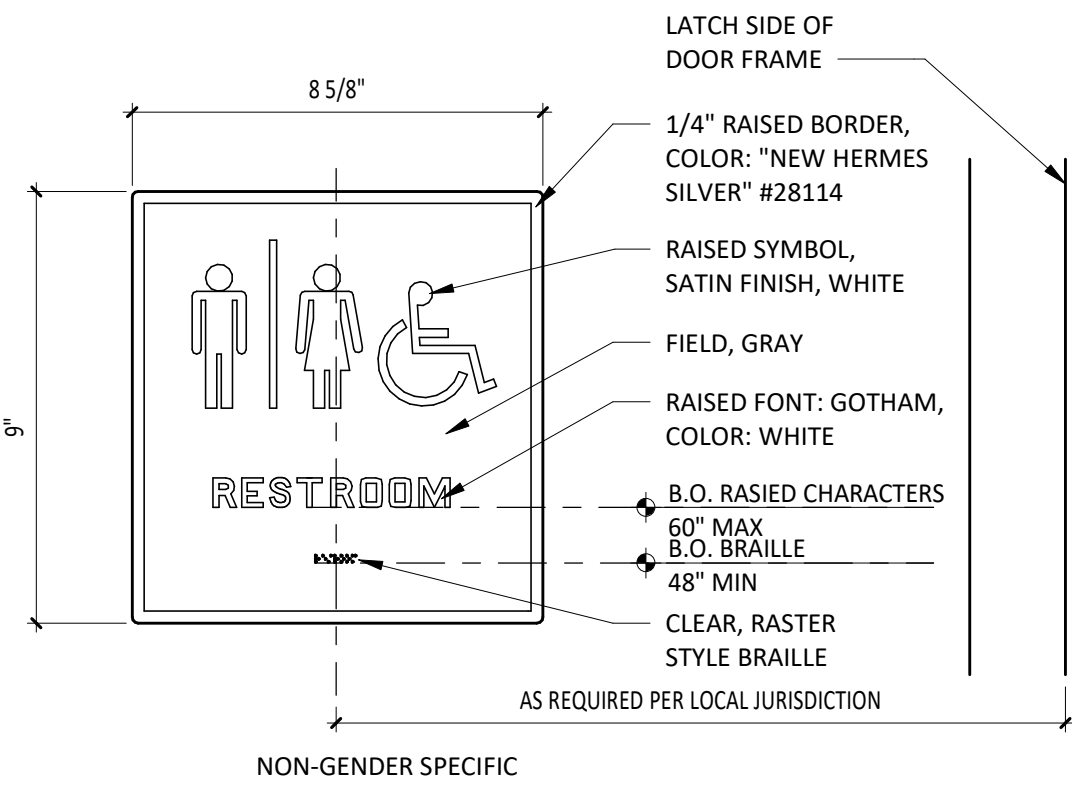
7 UNISEX 2 RESTROOM
SCALE: 1/2" = 1'-0"



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"

CONSULTANT:



CLIENT:

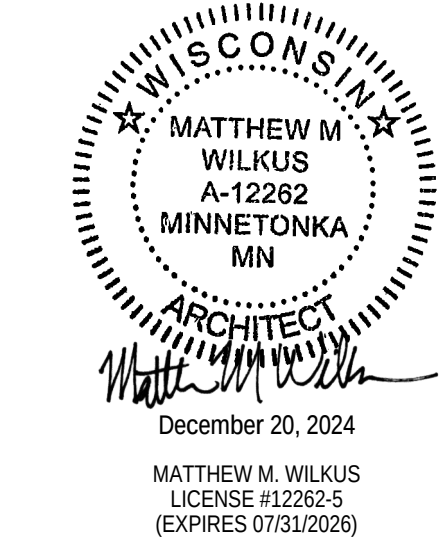


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PROJECT INFORMATION:

STORE NO.: 5326
"GREENFIELD WI"
8515 SURA LANE
GREENFIELD, WI 53228

SEAL:



PROJECT NO. 2023-0549
DRAWN BY ABM
CHECKED BY DRL, CUG

ISSUE RECORD:
08/26/2024 PERMIT SET
11/22/2024 BID SET
12/20/2024 CONSTRUCTION SET

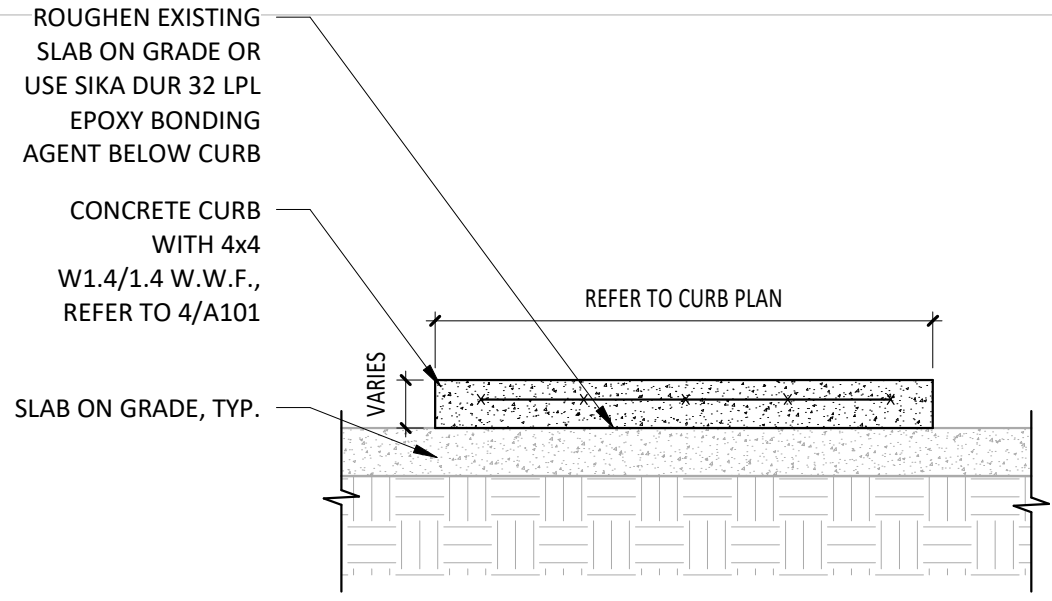
REVISIONS:
1 11/22/2024 BID SET
2 12/20/2024 CONSTRUCTION SET

TITLE:

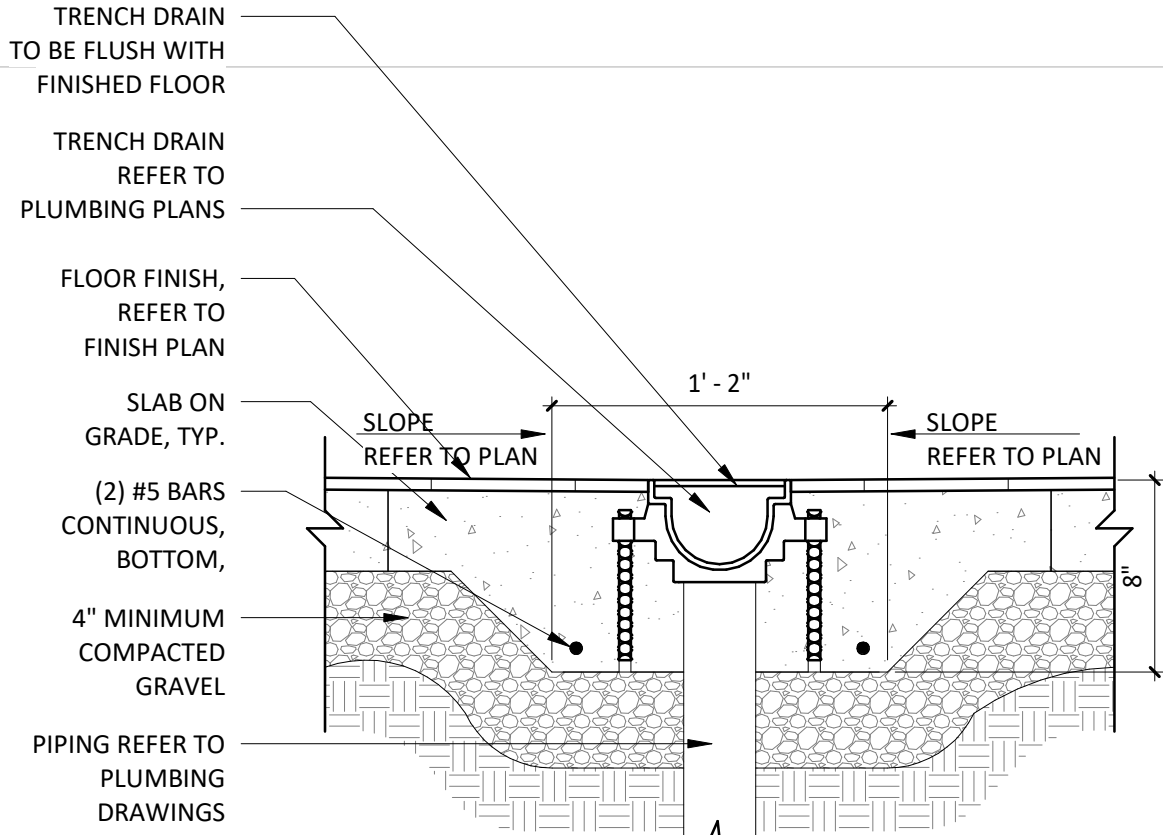
RESTROOM
INFORMATION

SHEET NUMBER:

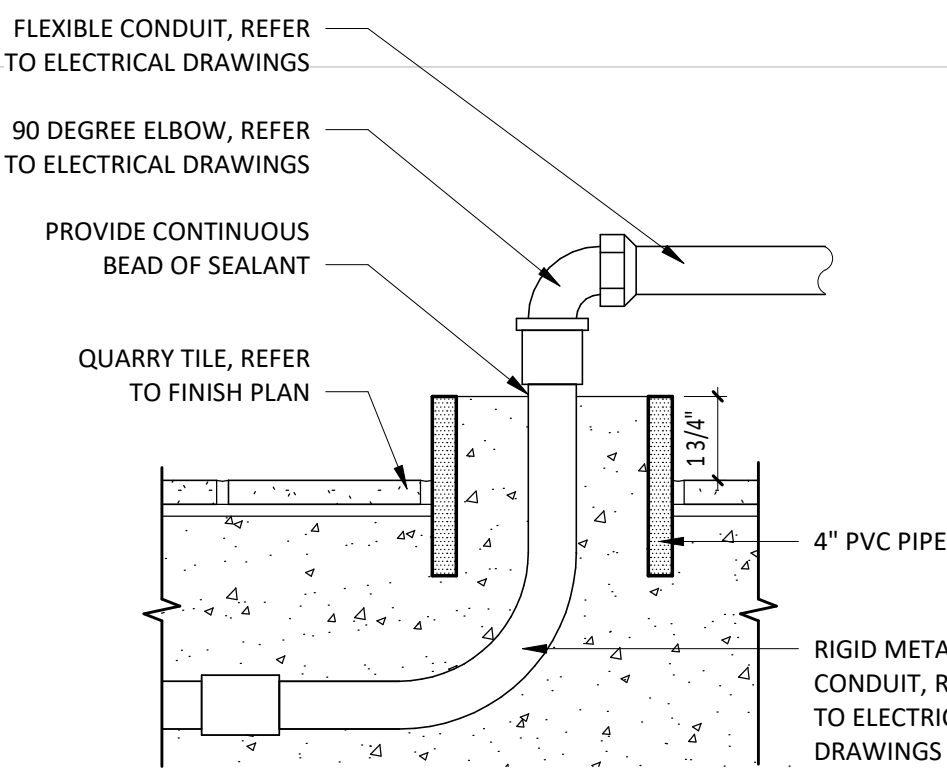
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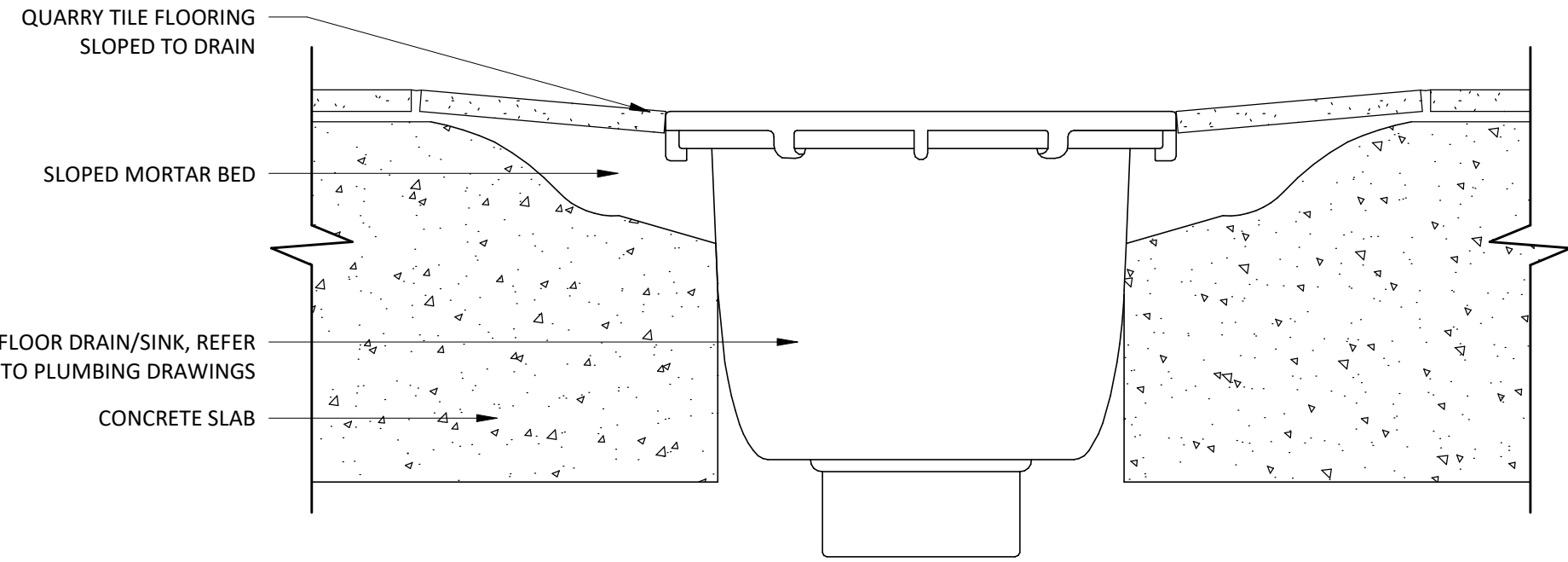
1 DETAIL @ CONCRETE CURB
SCALE: 3/4" = 1'-0"



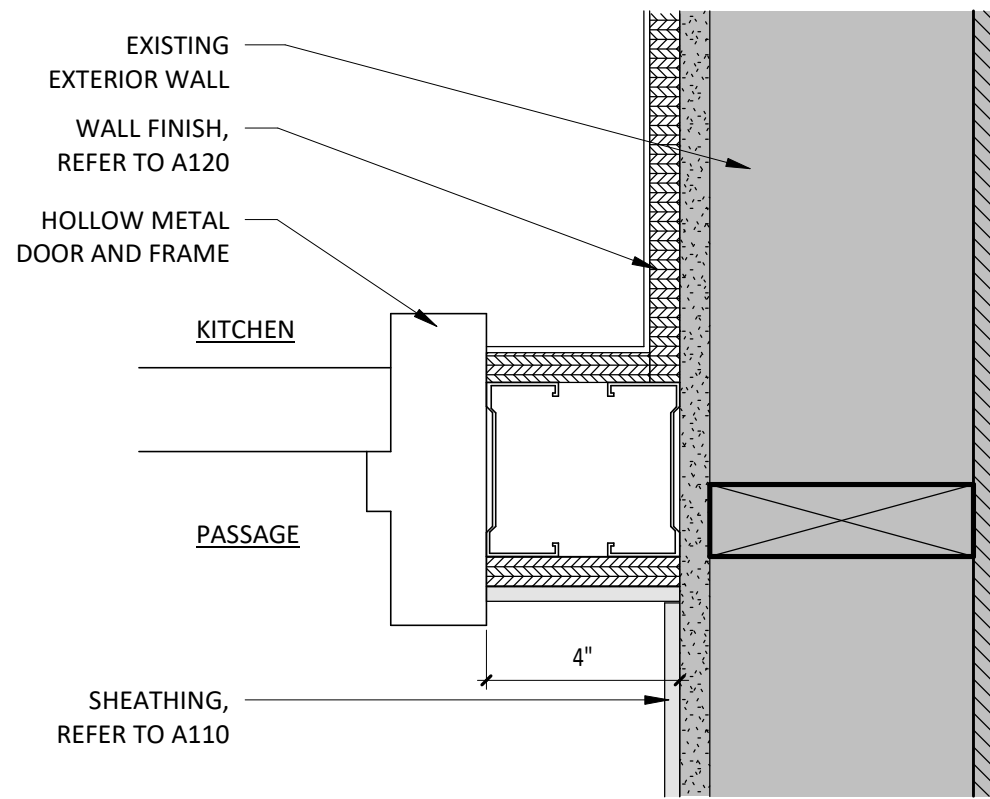
2 DETAIL @ TRENCH DRAIN
SCALE: 1 1/2" = 1'-0"



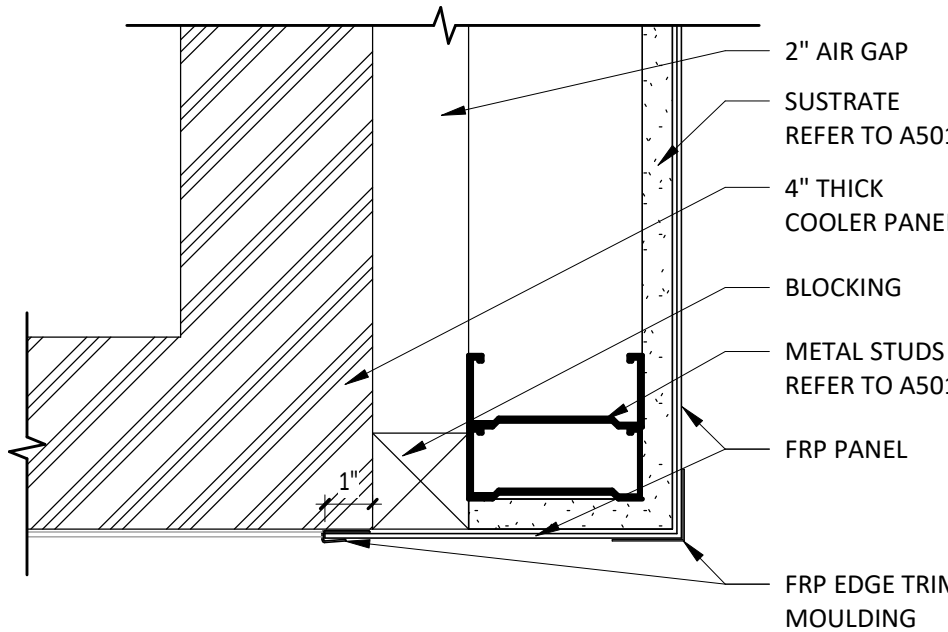
3 SECTION @ STUB LOCATION UNDER TABLES
SCALE: 3" = 1'-0"



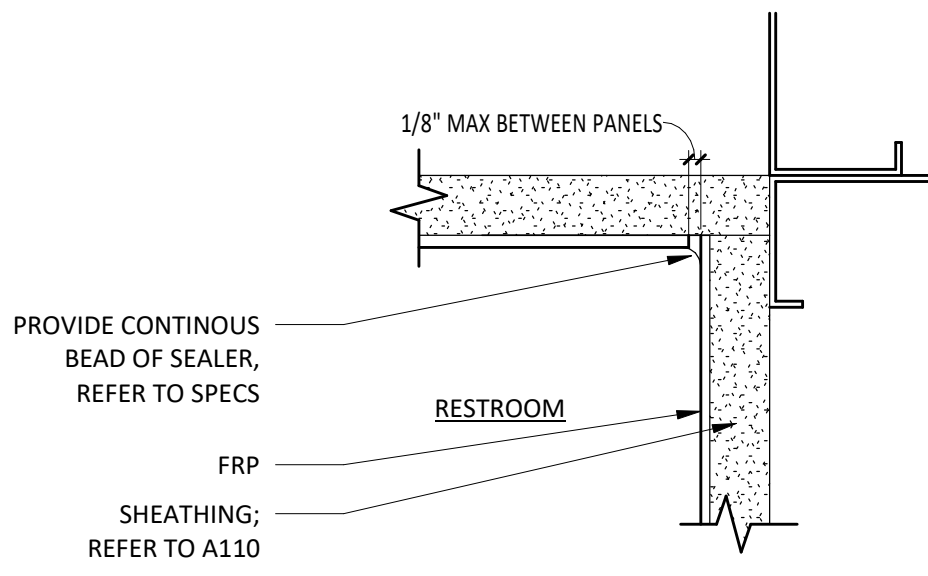
4 SECTION @ QT FLOOR DRAIN/SINK - TYP.
SCALE: 3" = 1'-0"



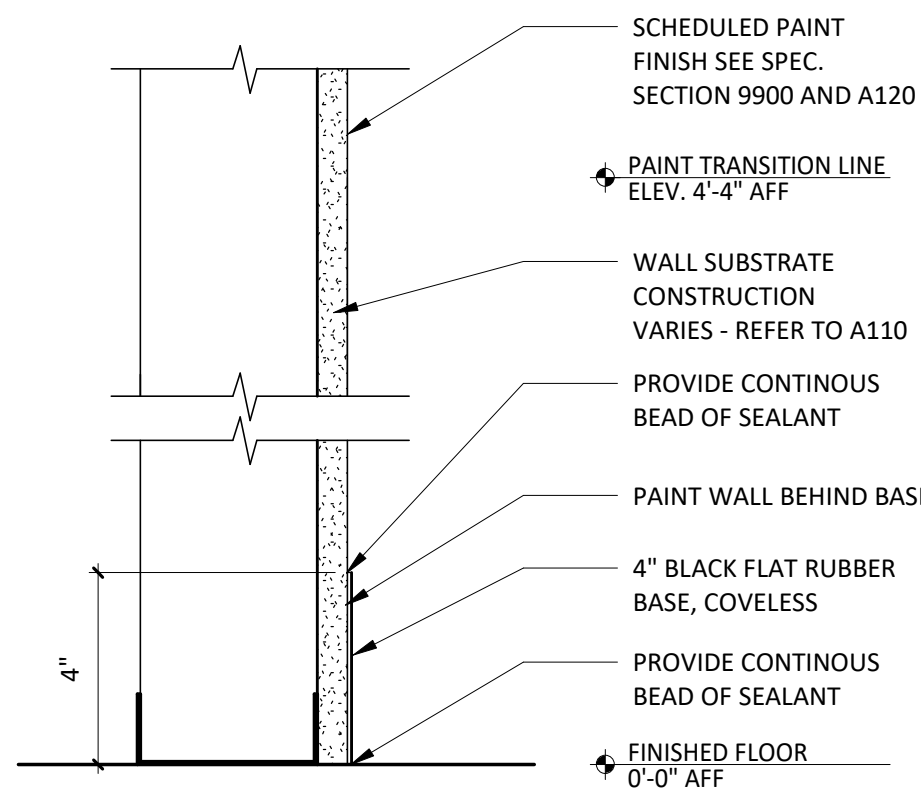
5 DETAIL @ DOOR JAMB
SCALE: 3" = 1'-0"



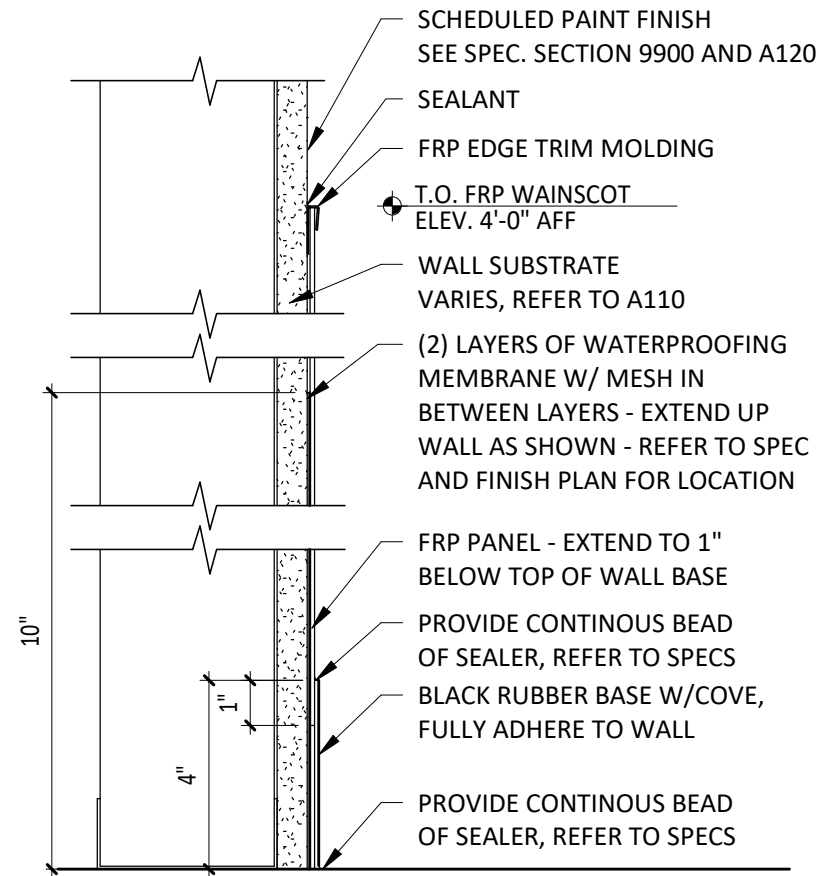
6 DETAIL @ FRP TO COOLER CLOSER STRIP
SCALE: 3" = 1'-0"



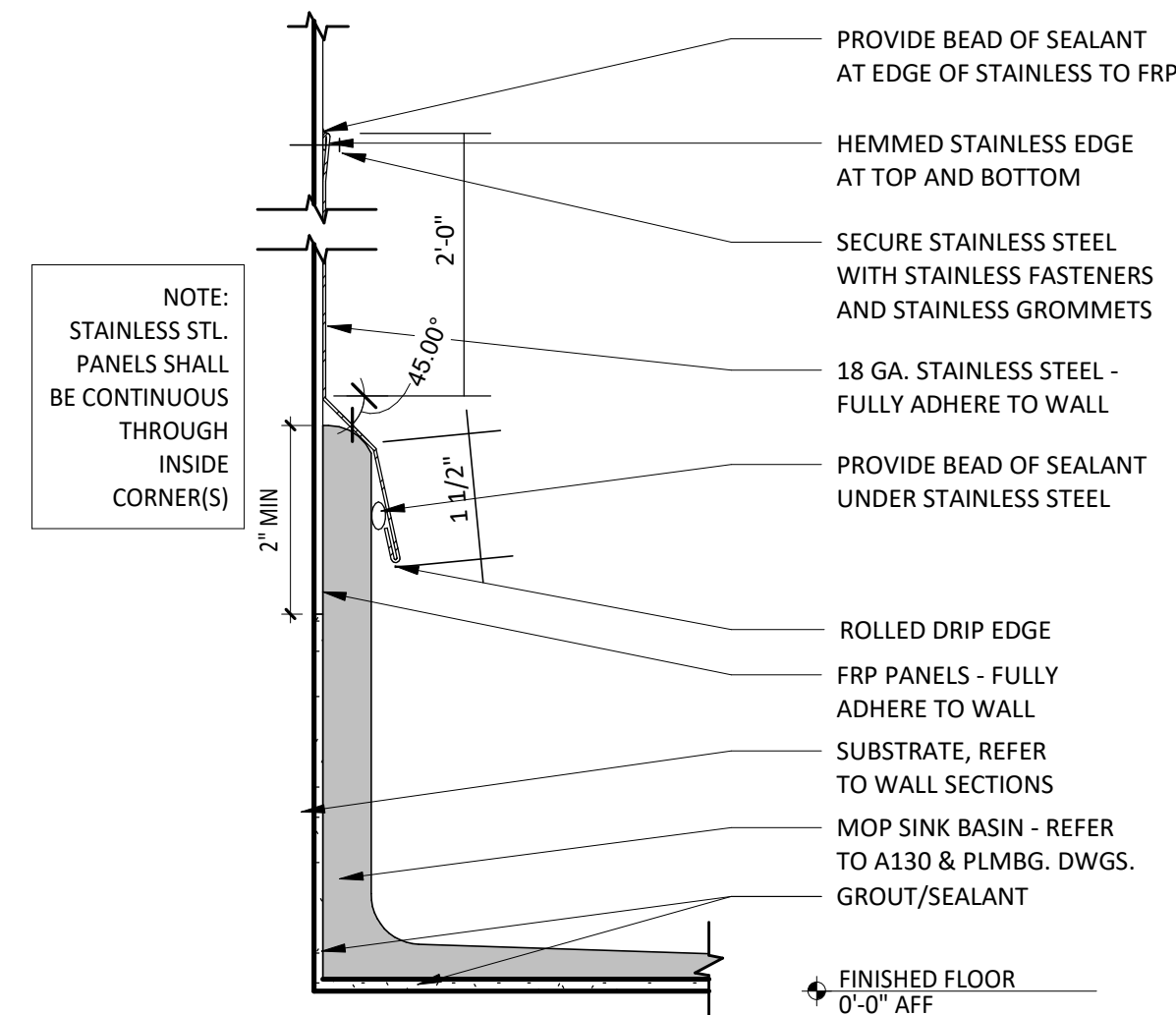
7 DETAIL @ RESTROOM FRP INSIDE CORNER
SCALE: 6" = 1'-0"



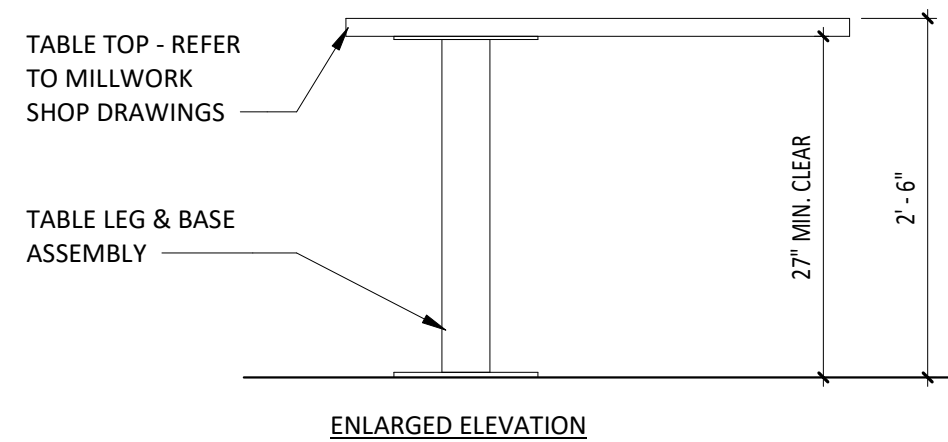
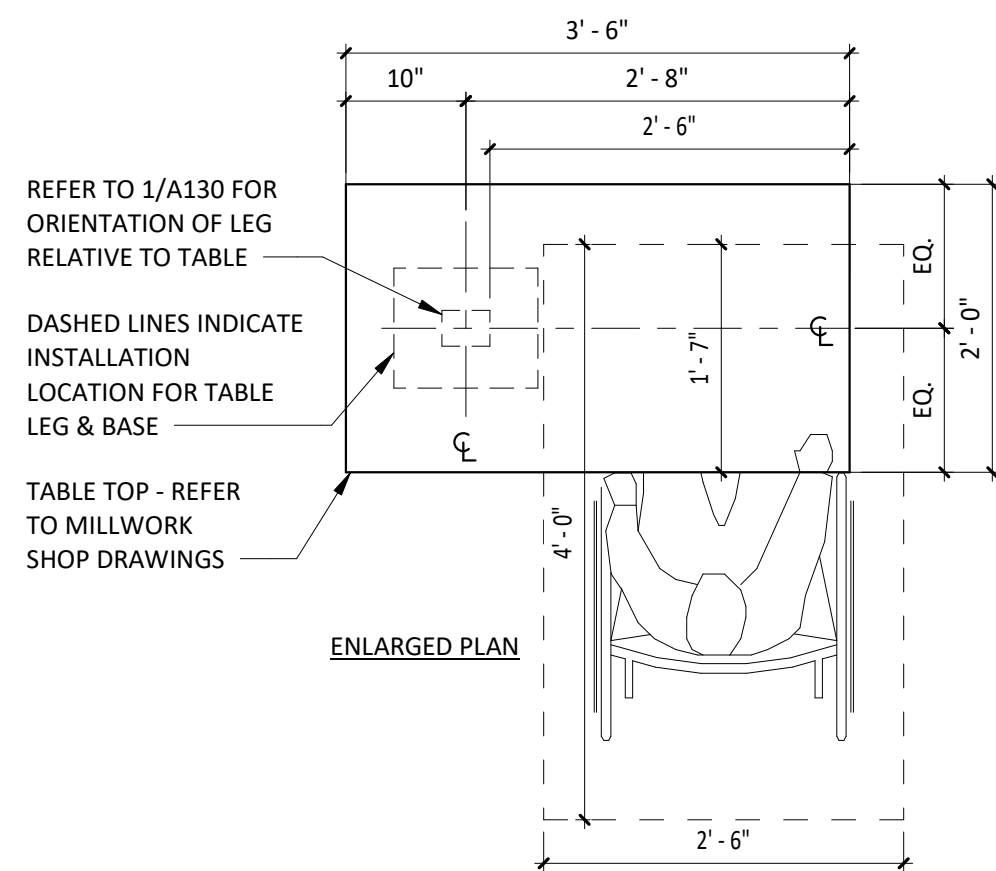
8 SECTION @ DINING ROOM WALL
SCALE: 3" = 1'-0"



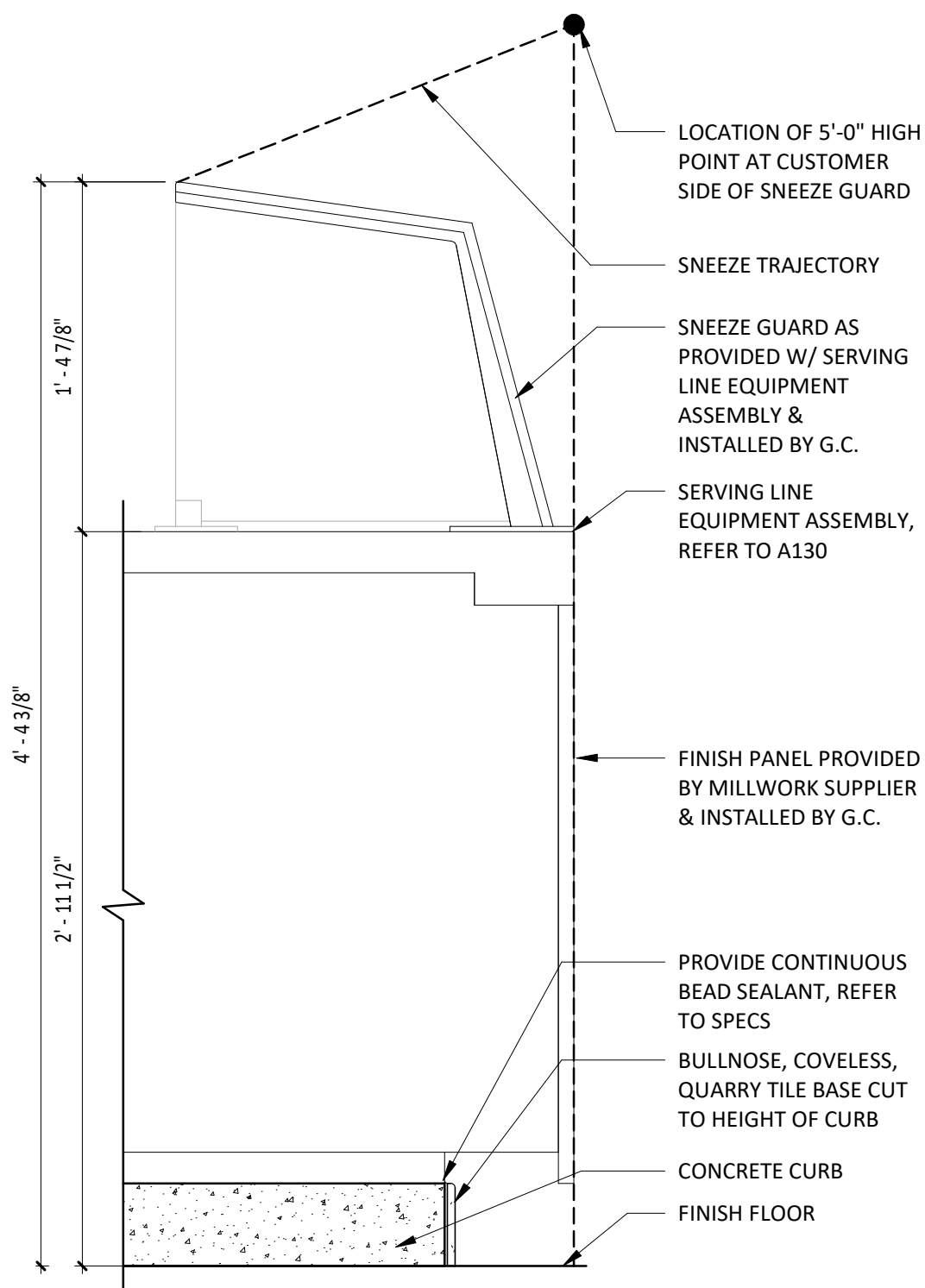
9 SECTION @ FRP WAINSCOT W/ RUBBER BASE
SCALE: 3" = 1'-0"



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



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

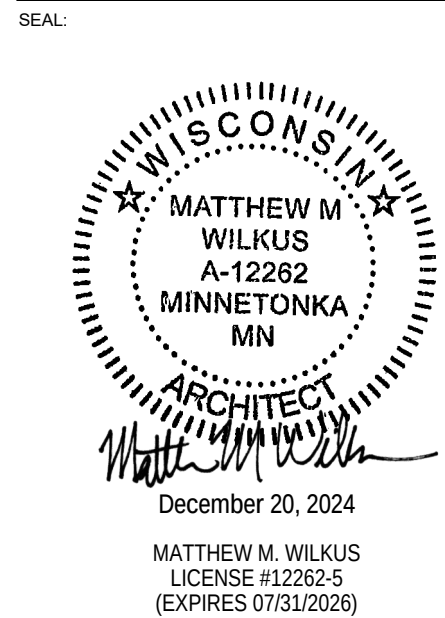


12 DETAIL @ SERVELINE SNEEZE GUARD
SCALE: 1 1/2" = 1'-0"



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PROJECT INFORMATION:

STORE NO.: 5326
"GREENFIELD WI"
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GREENFIELD, WI 53228



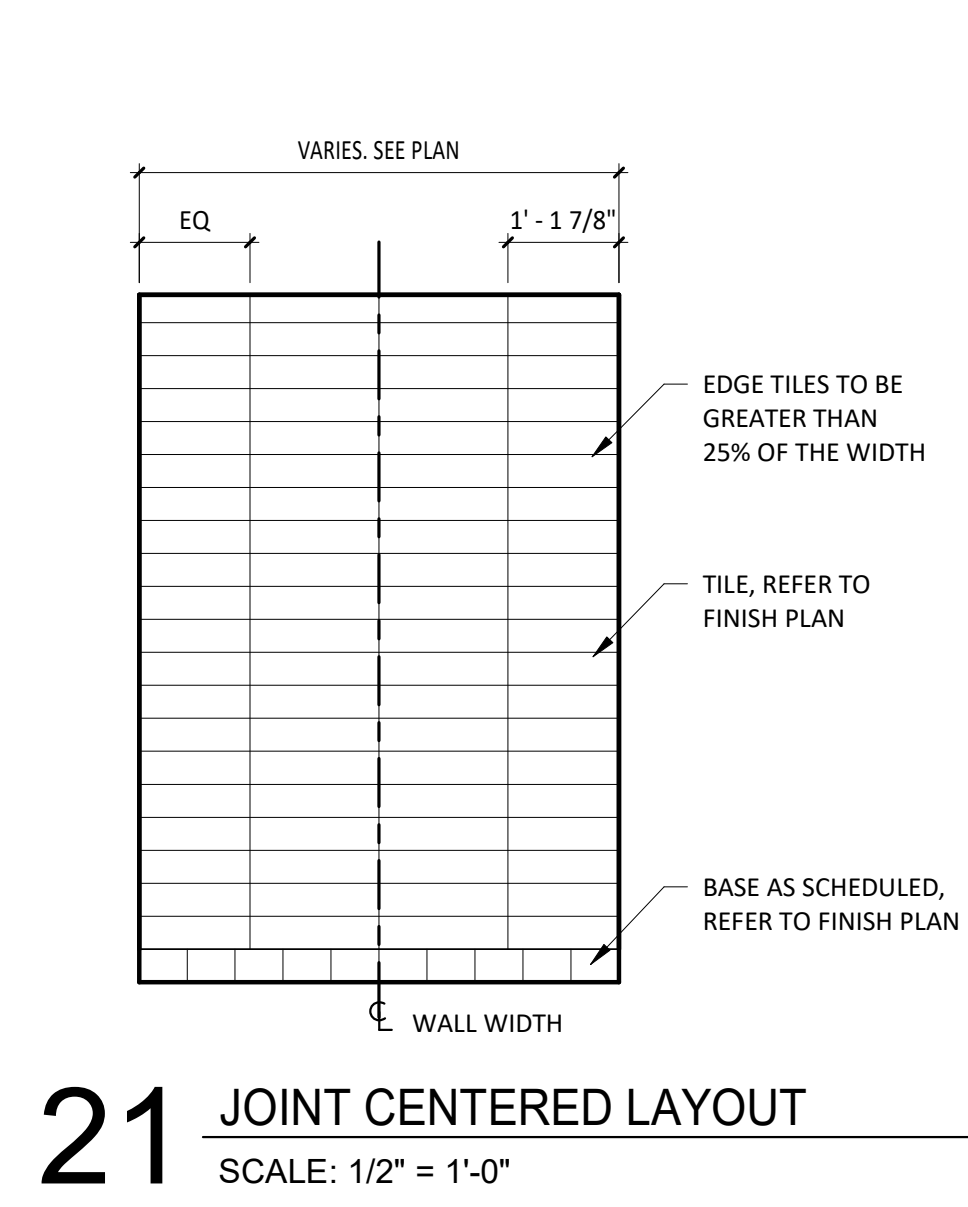
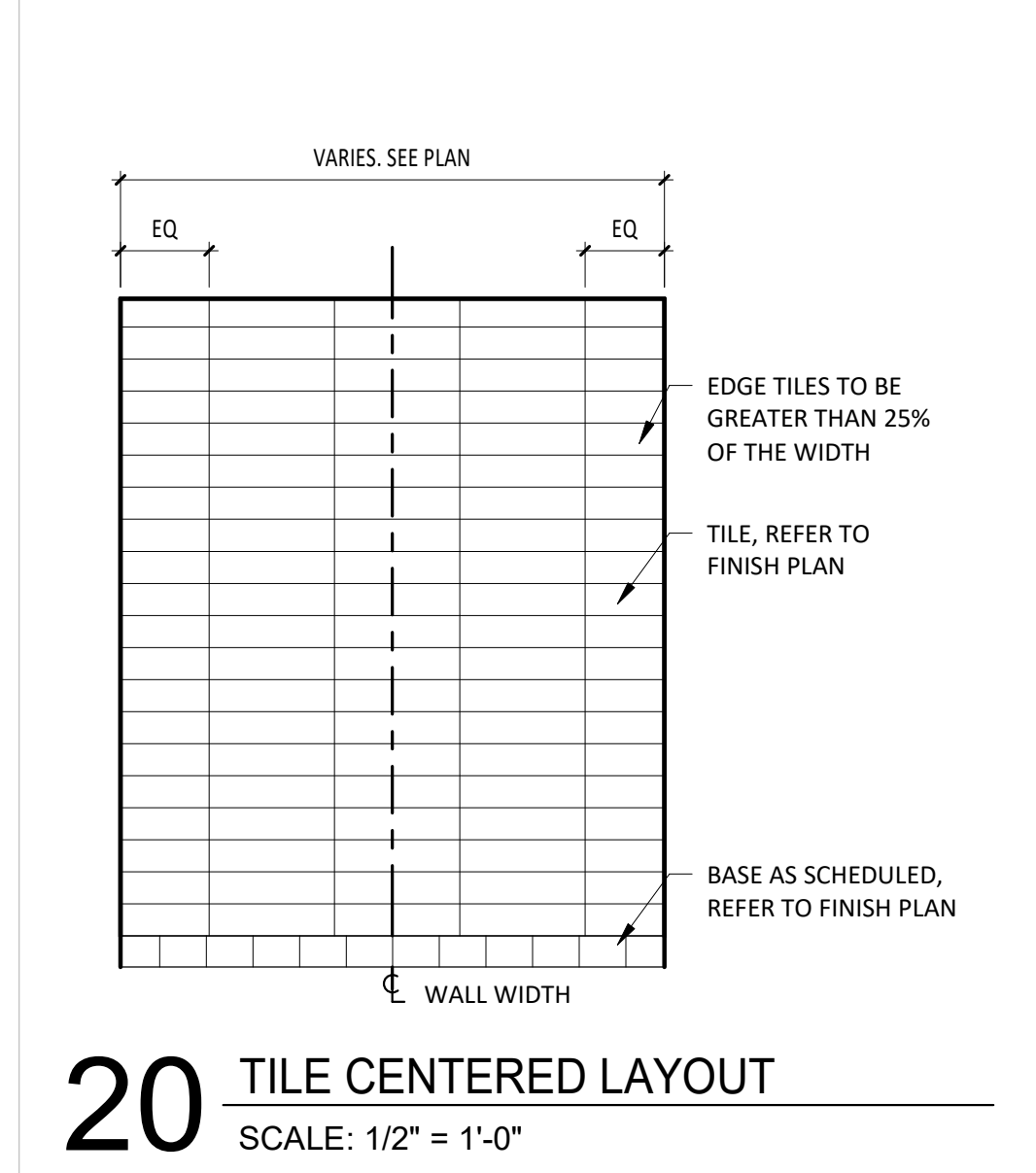
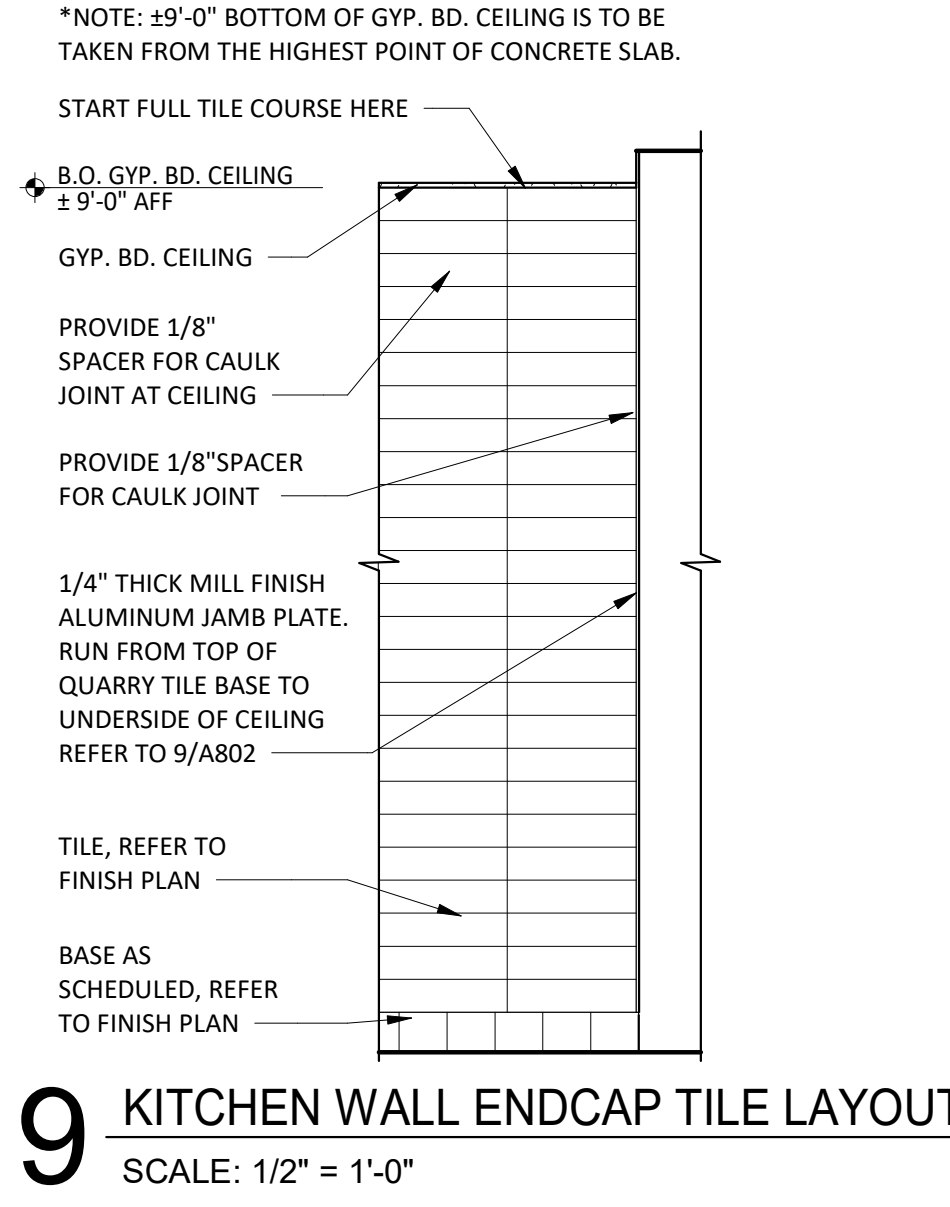
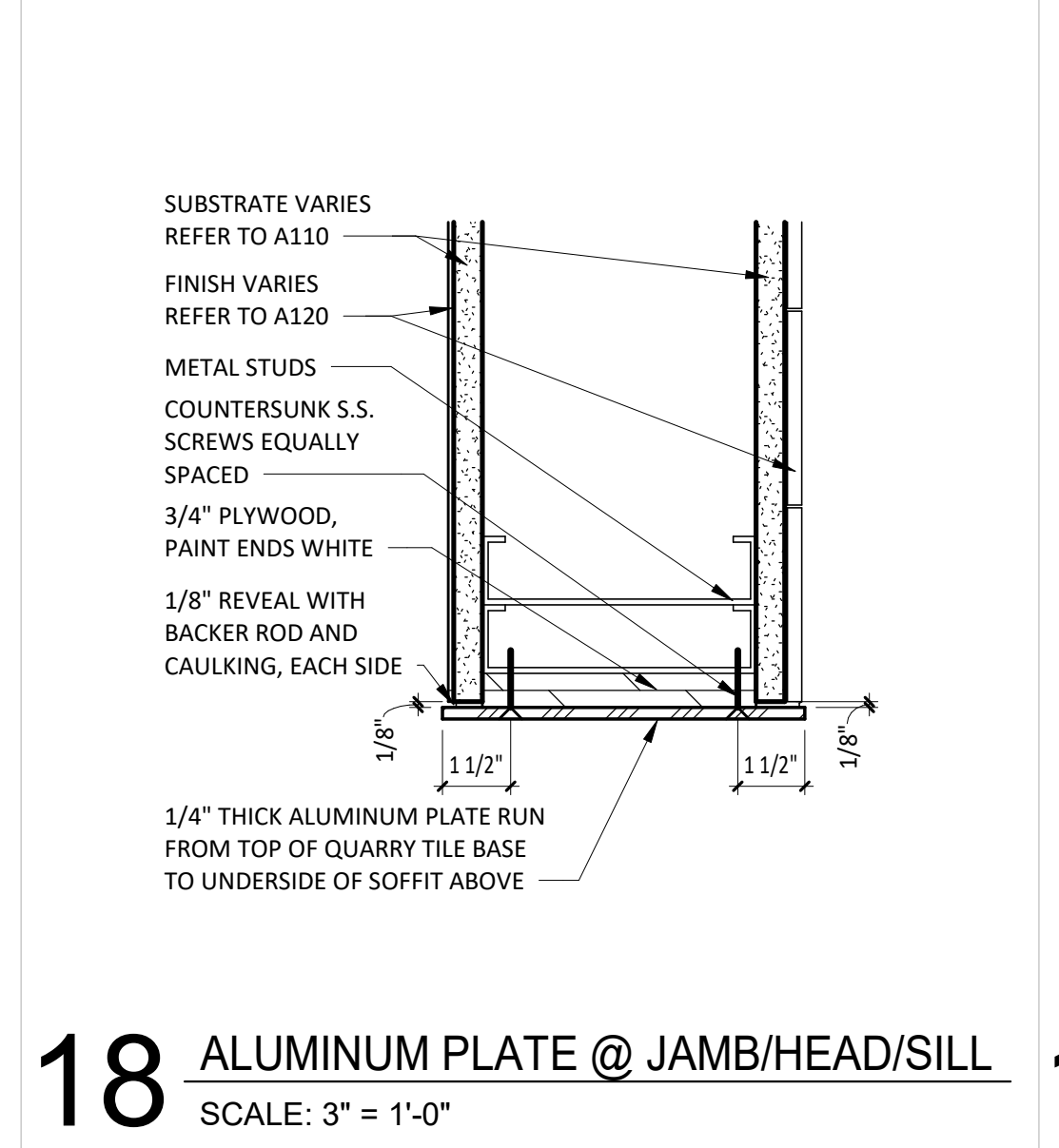
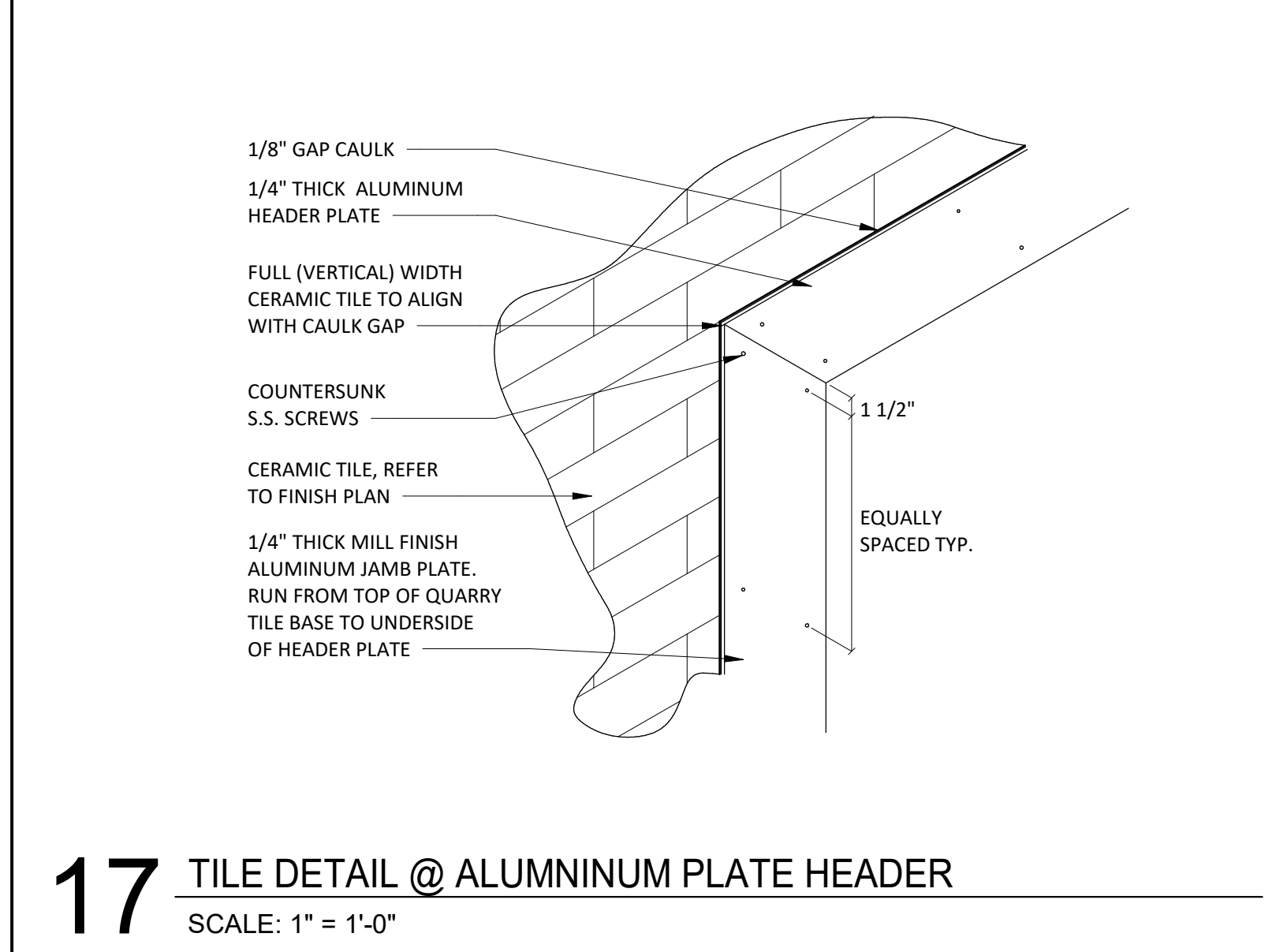
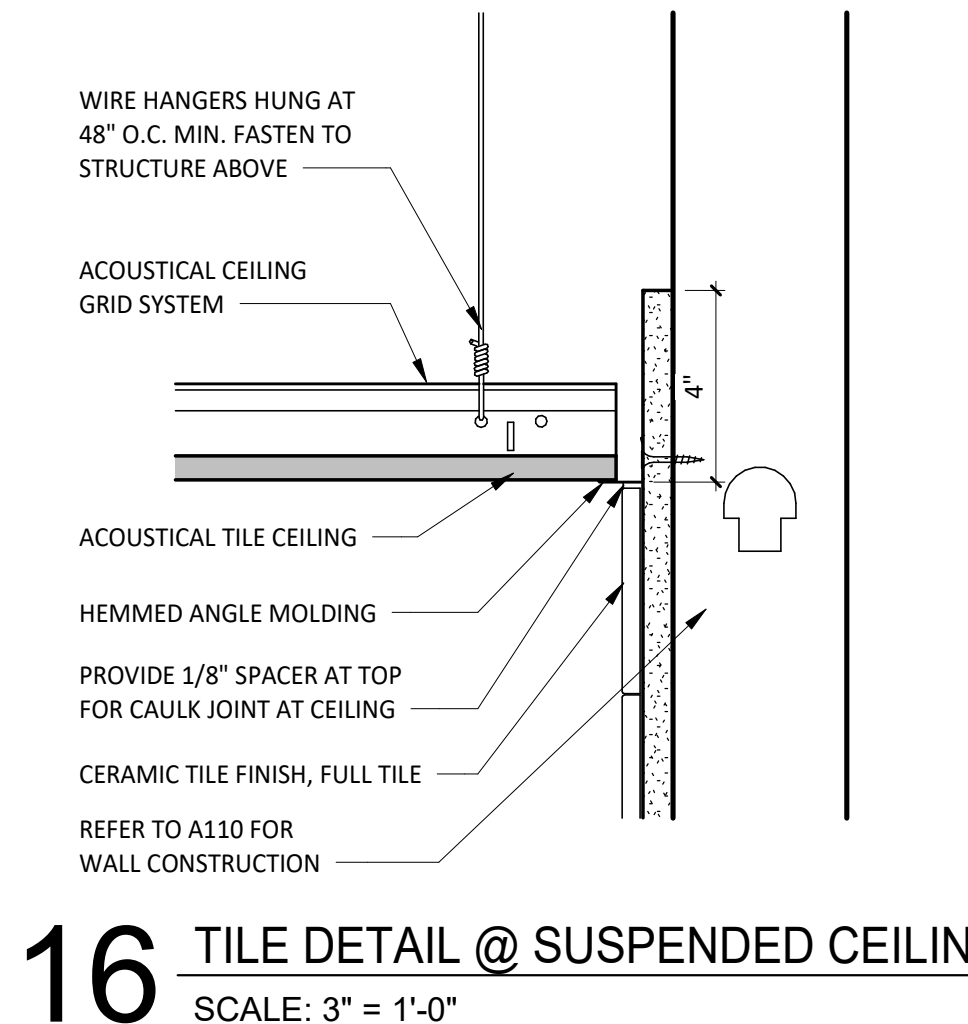
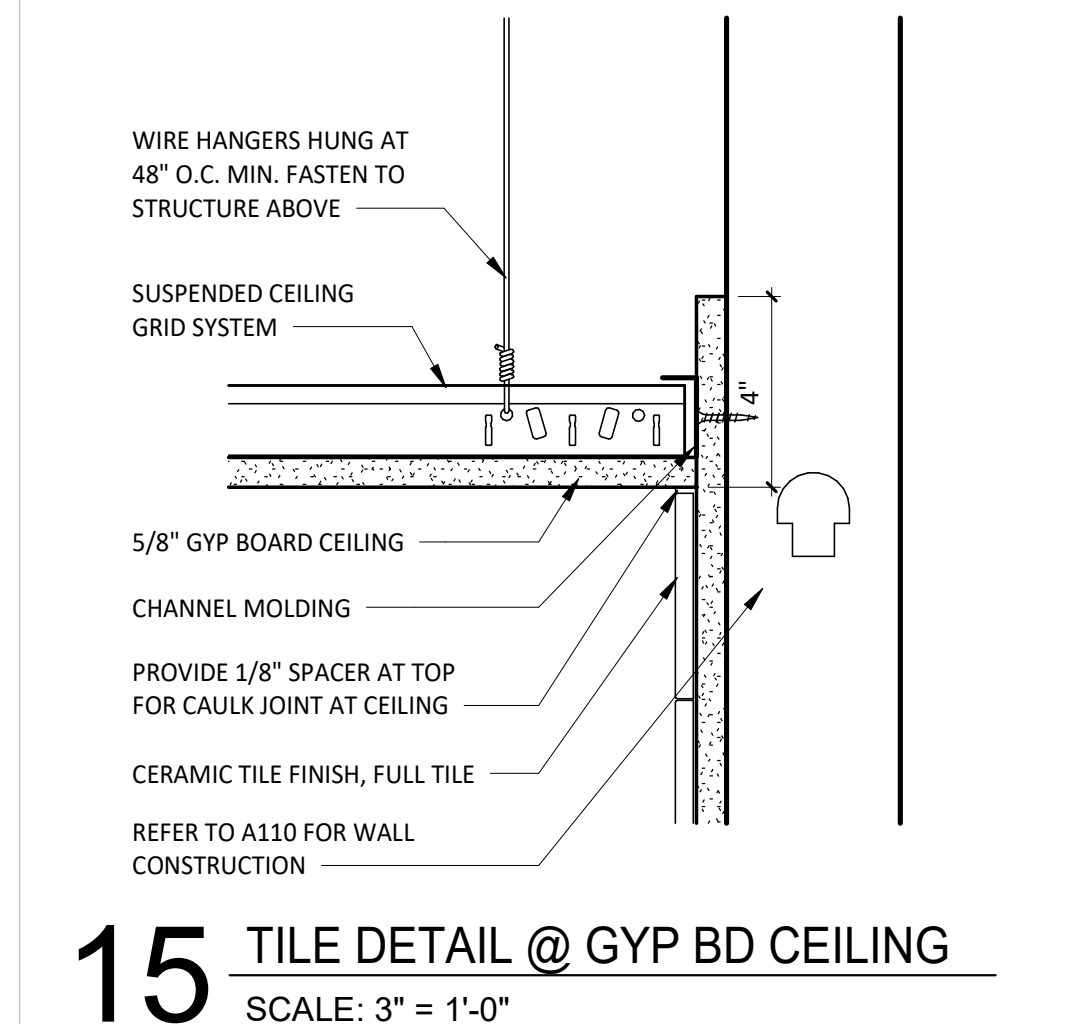
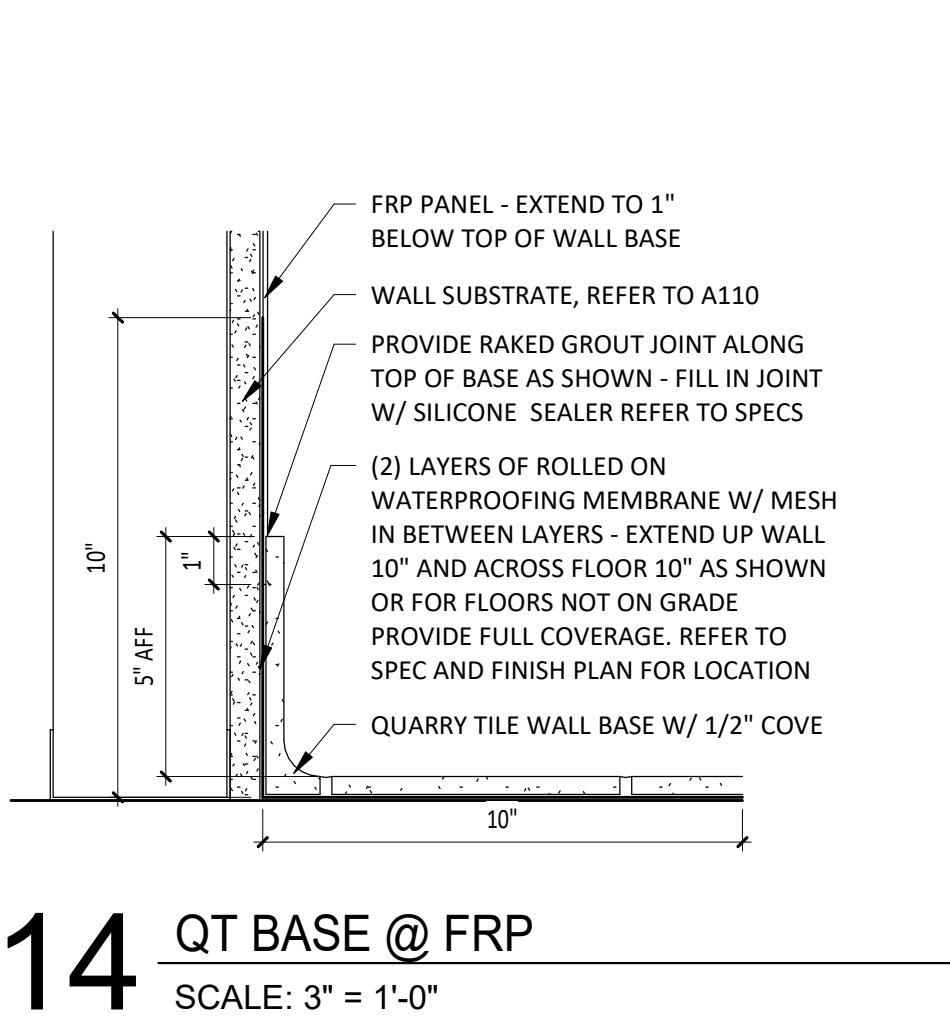
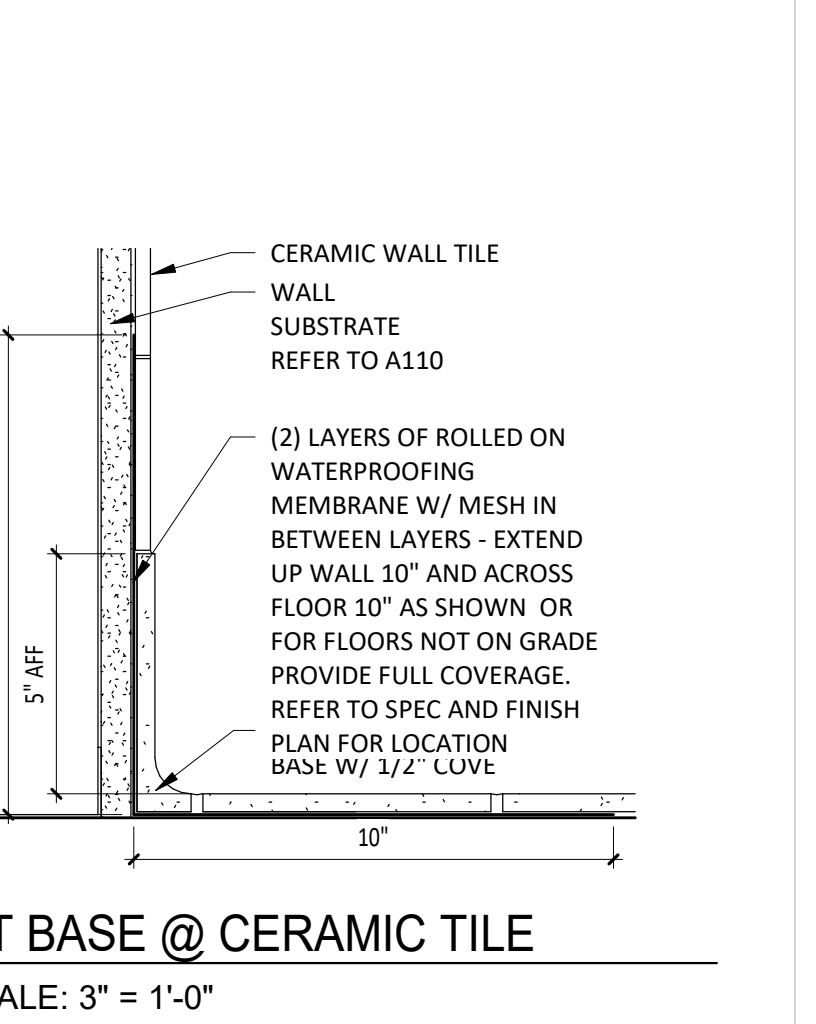
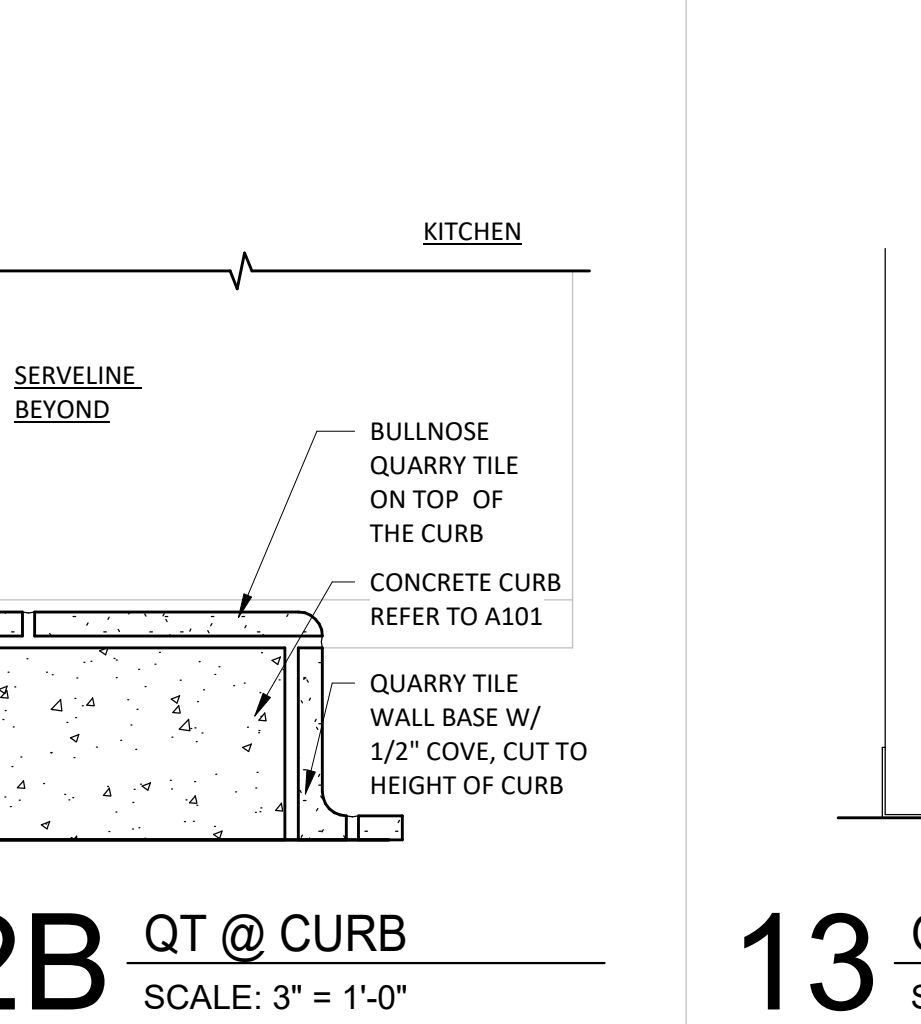
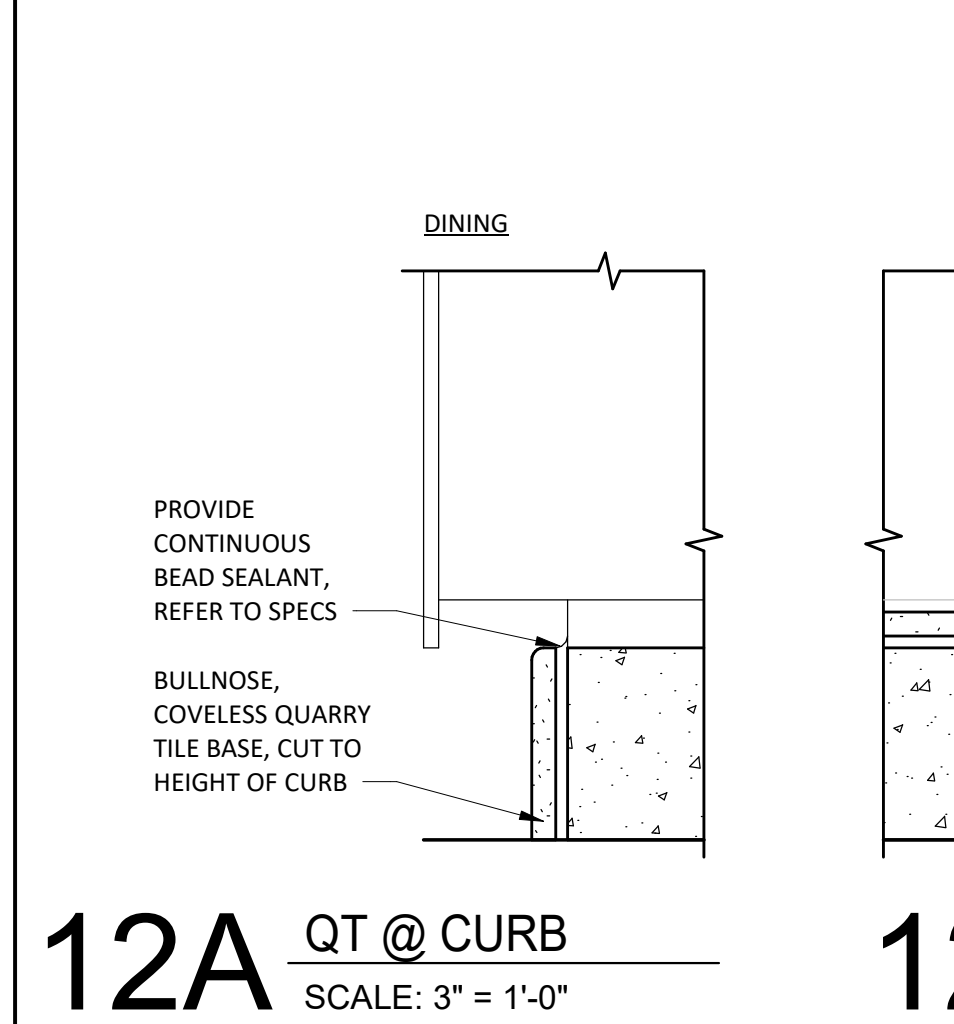
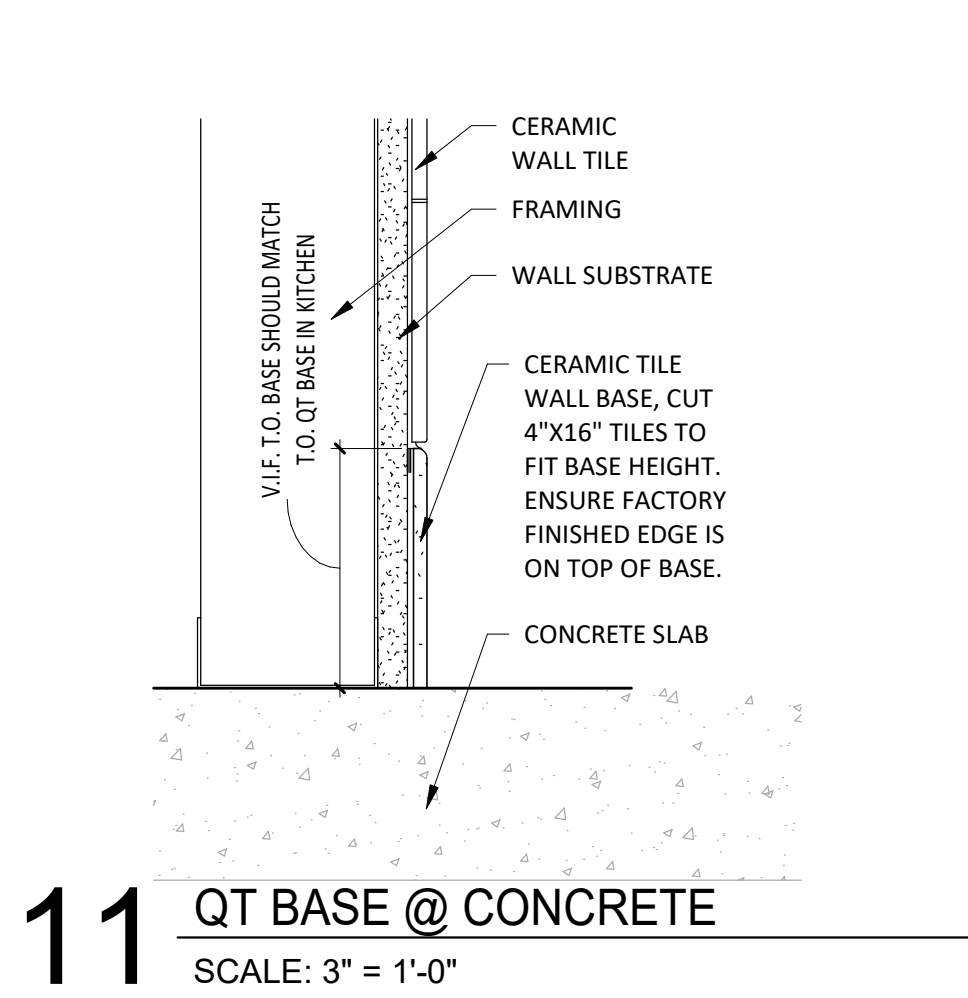
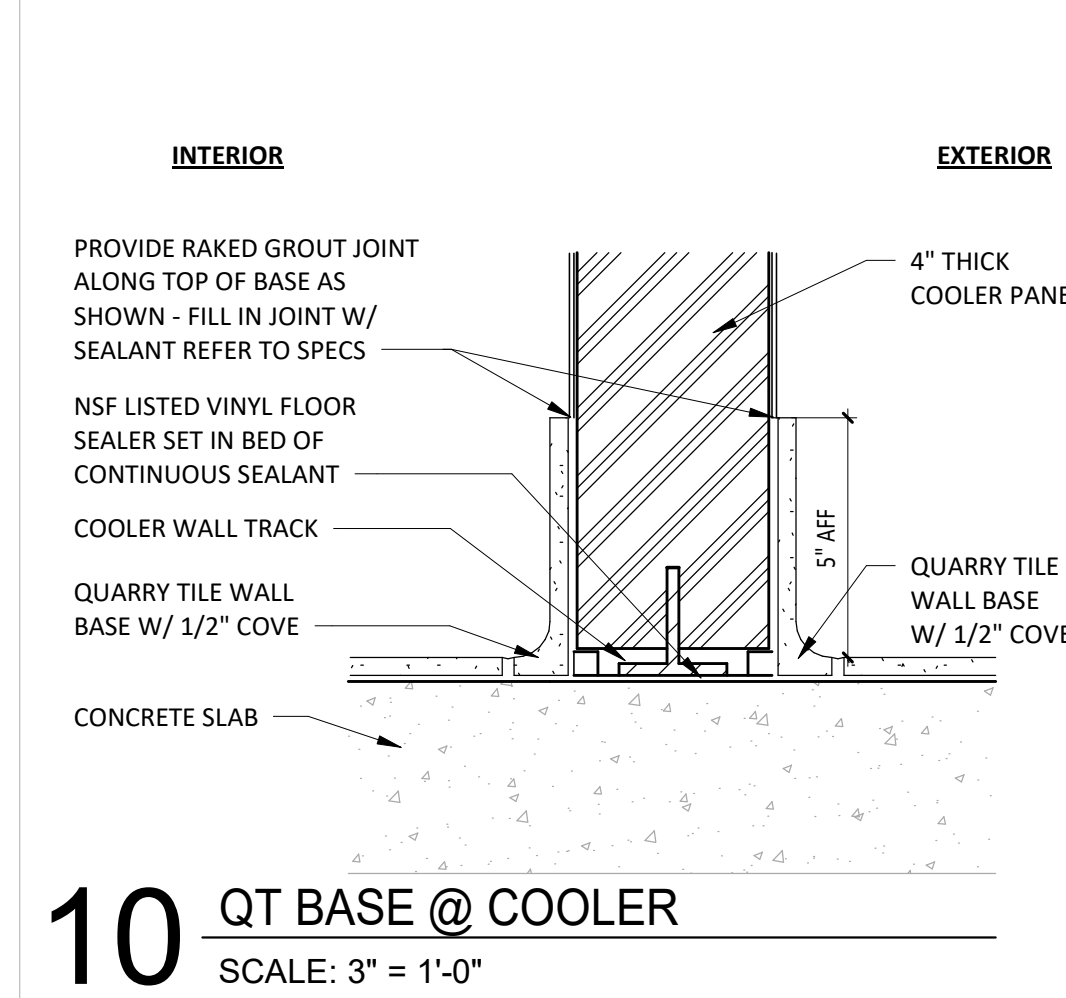
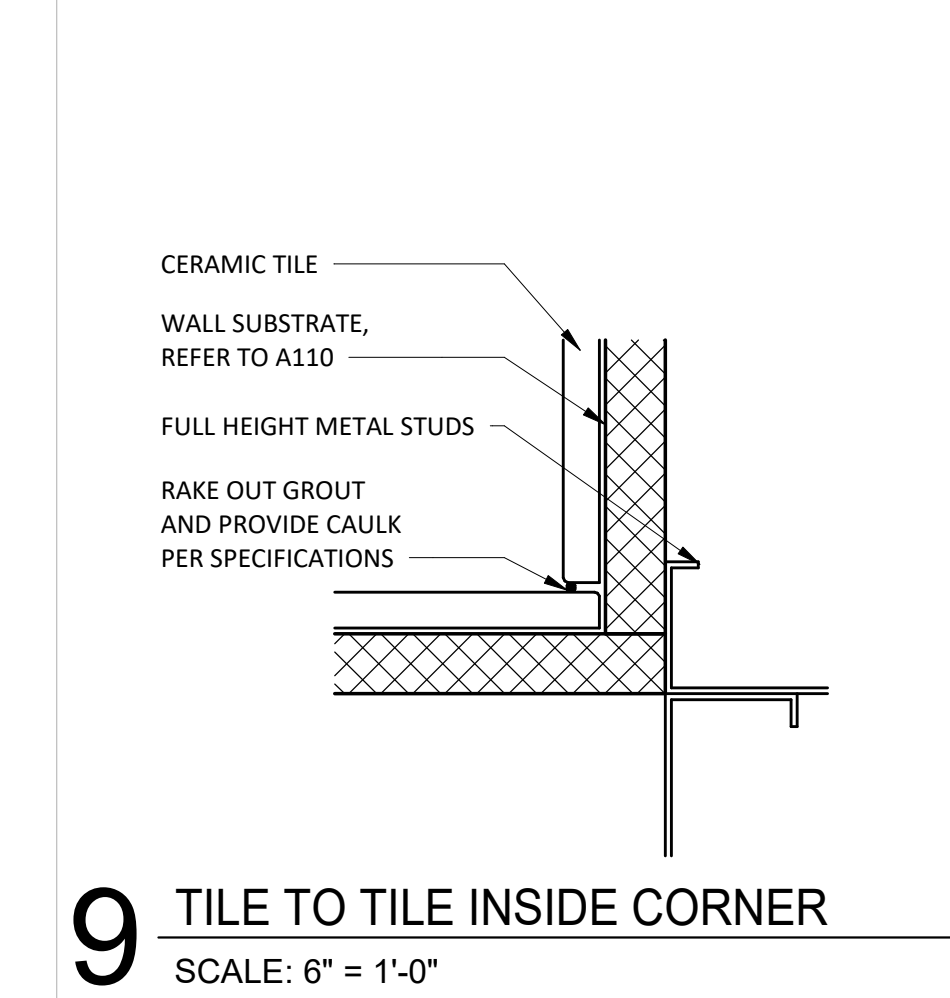
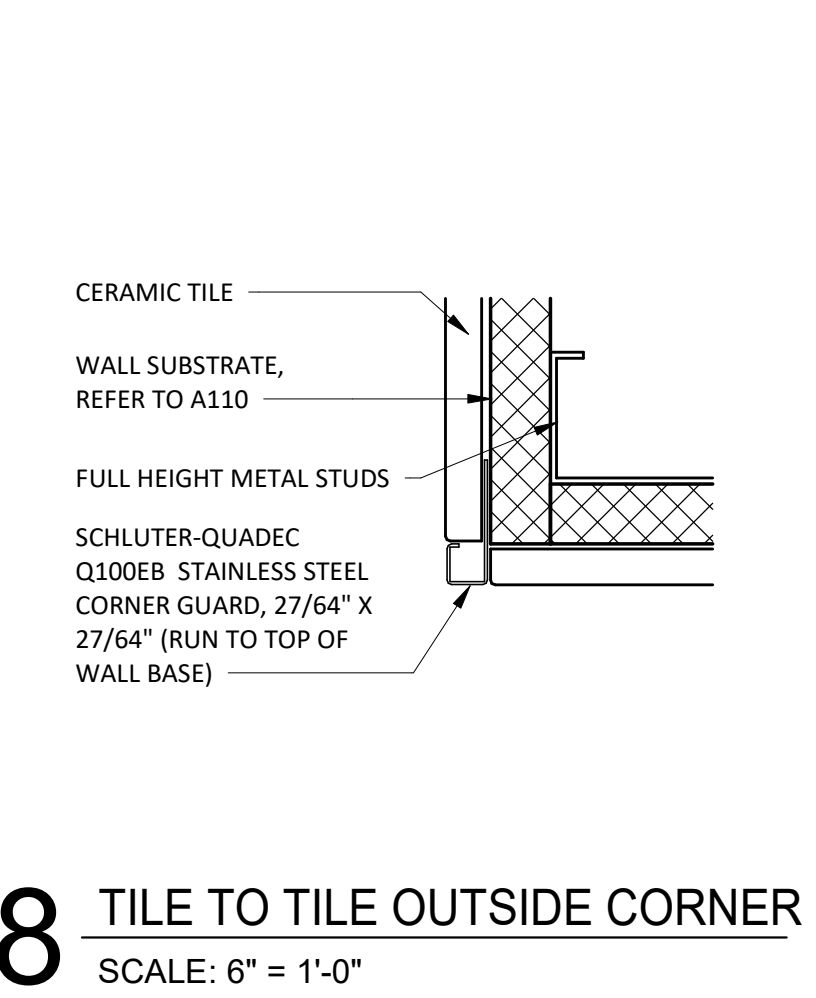
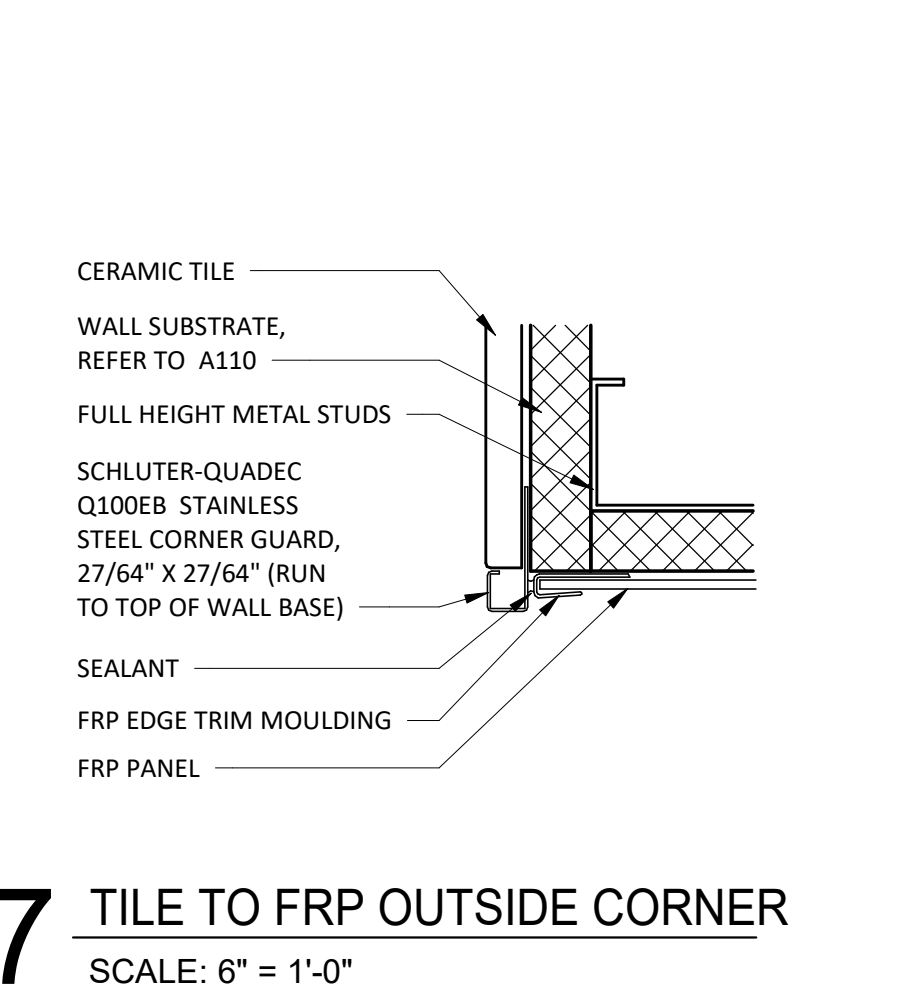
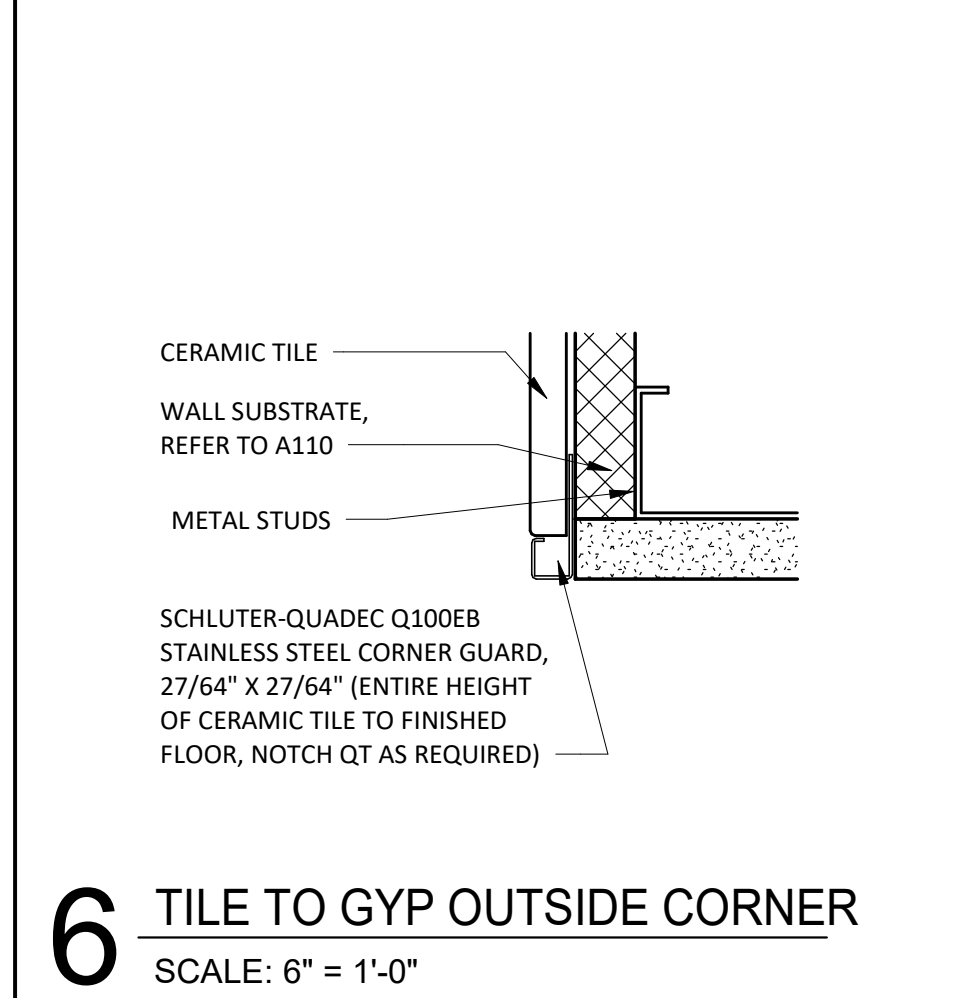
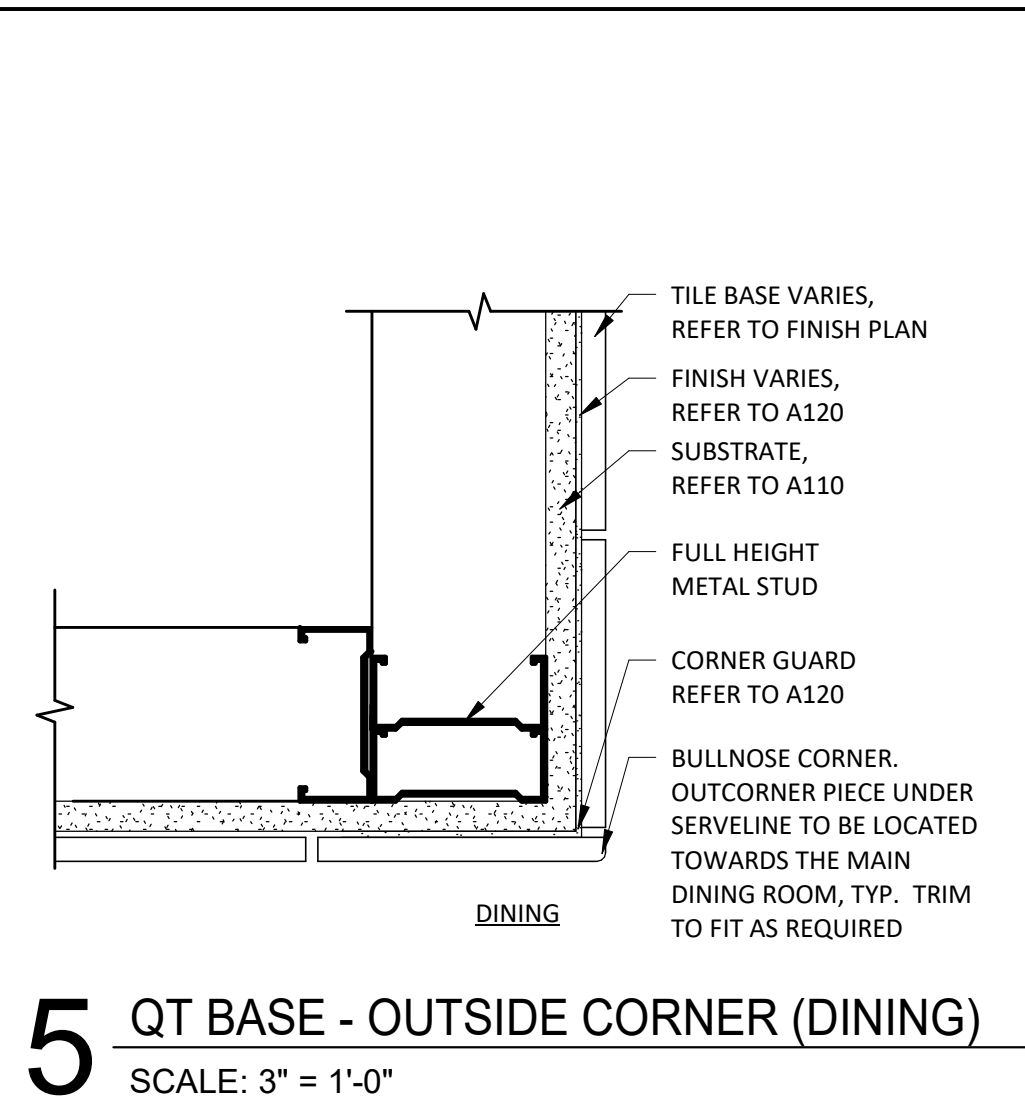
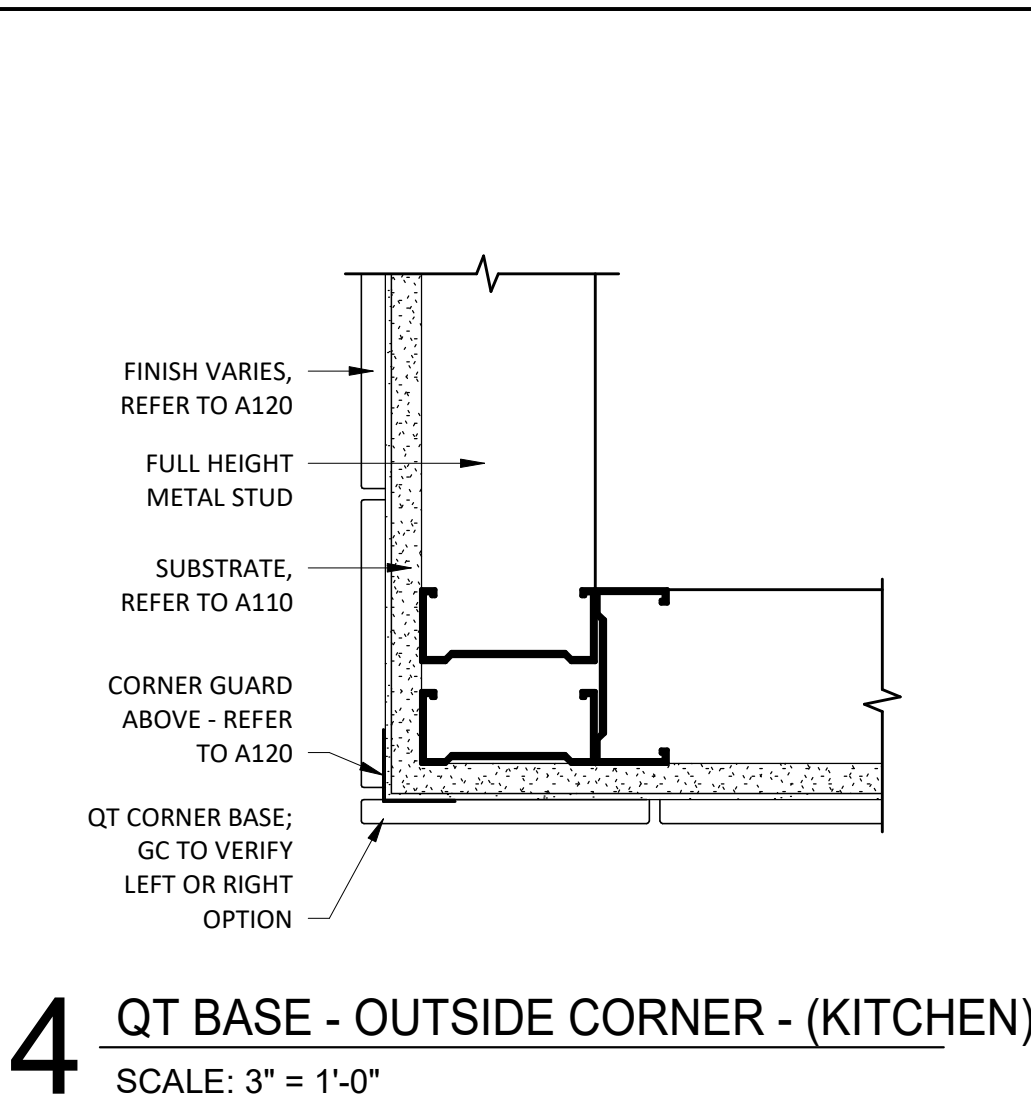
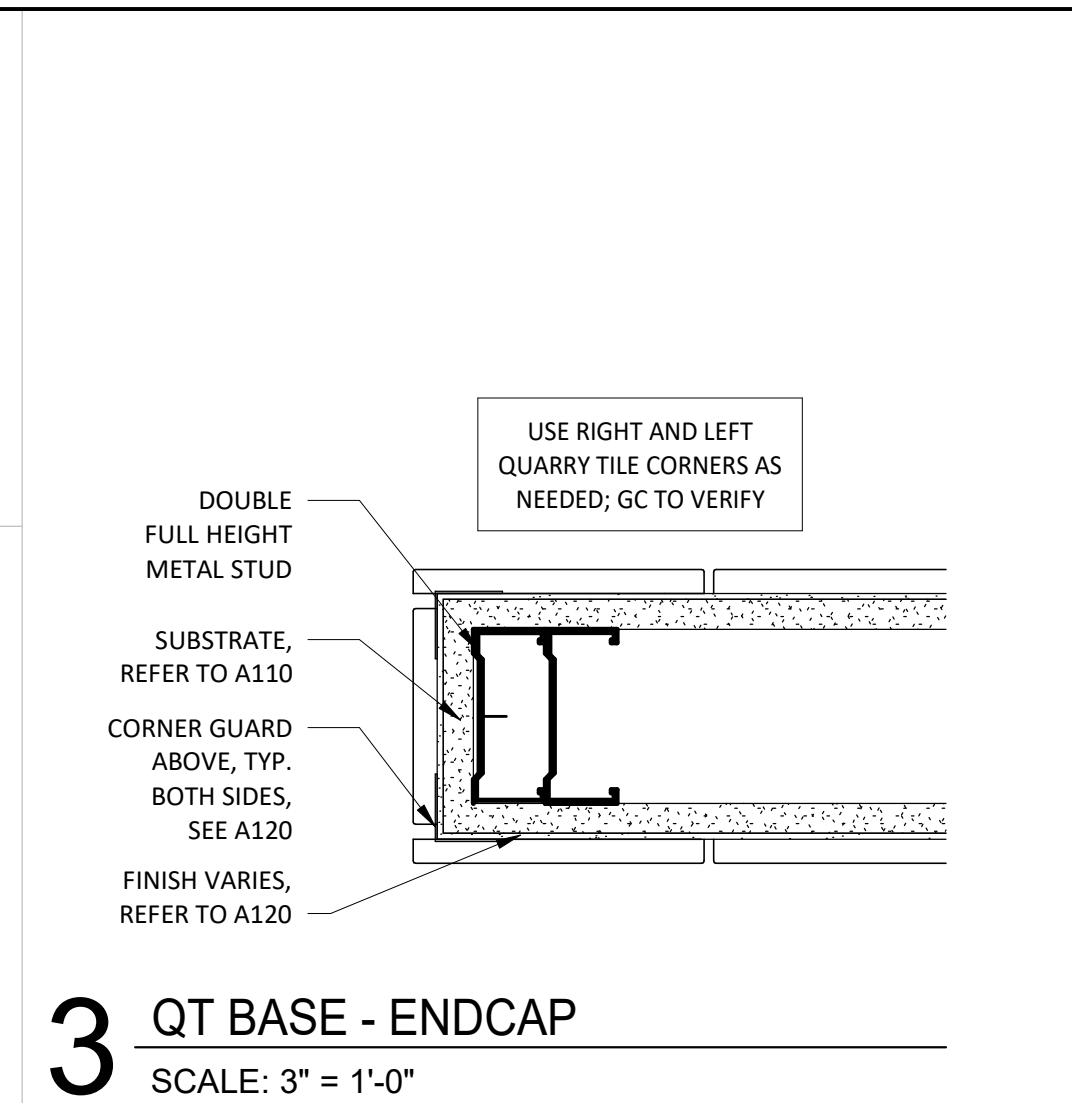
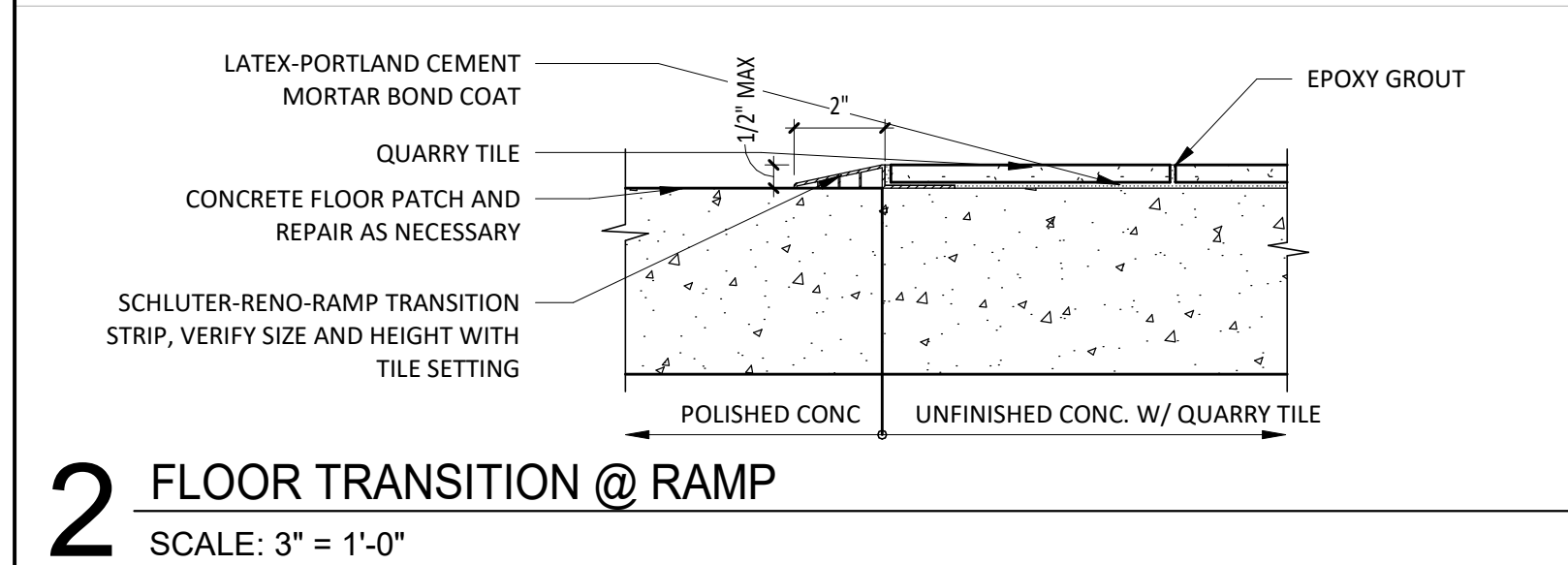
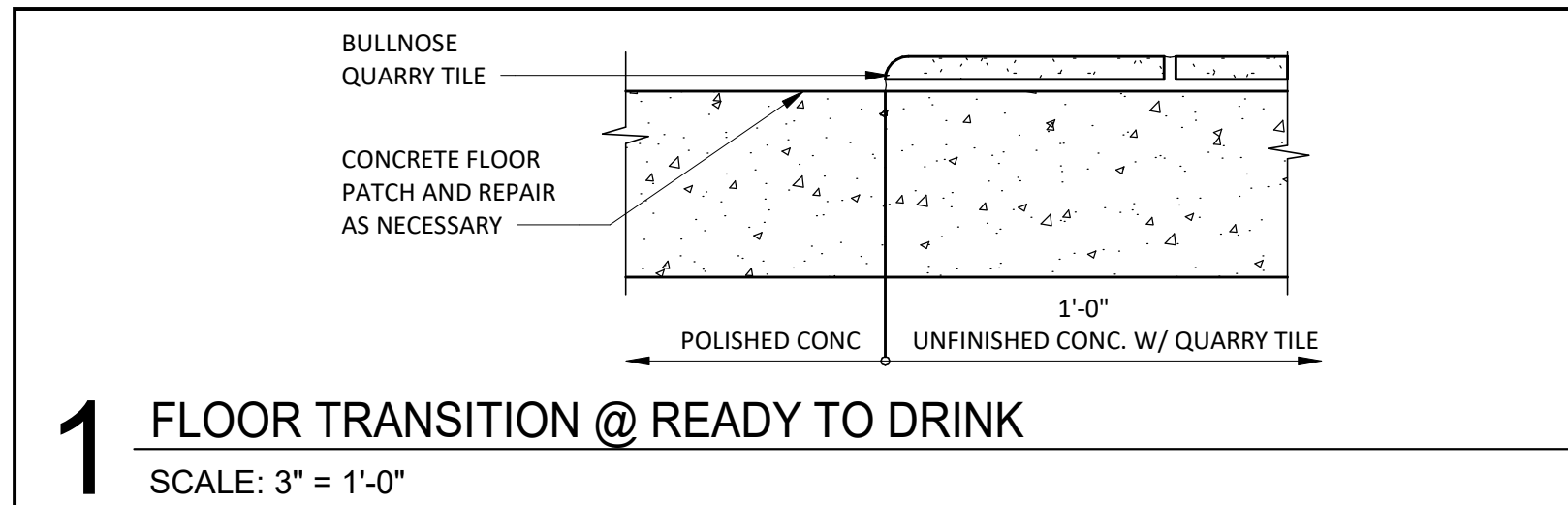
PROJECT NO. 2023-0549
DRAWN BY ABM
CHECKED BY DRL, CJG

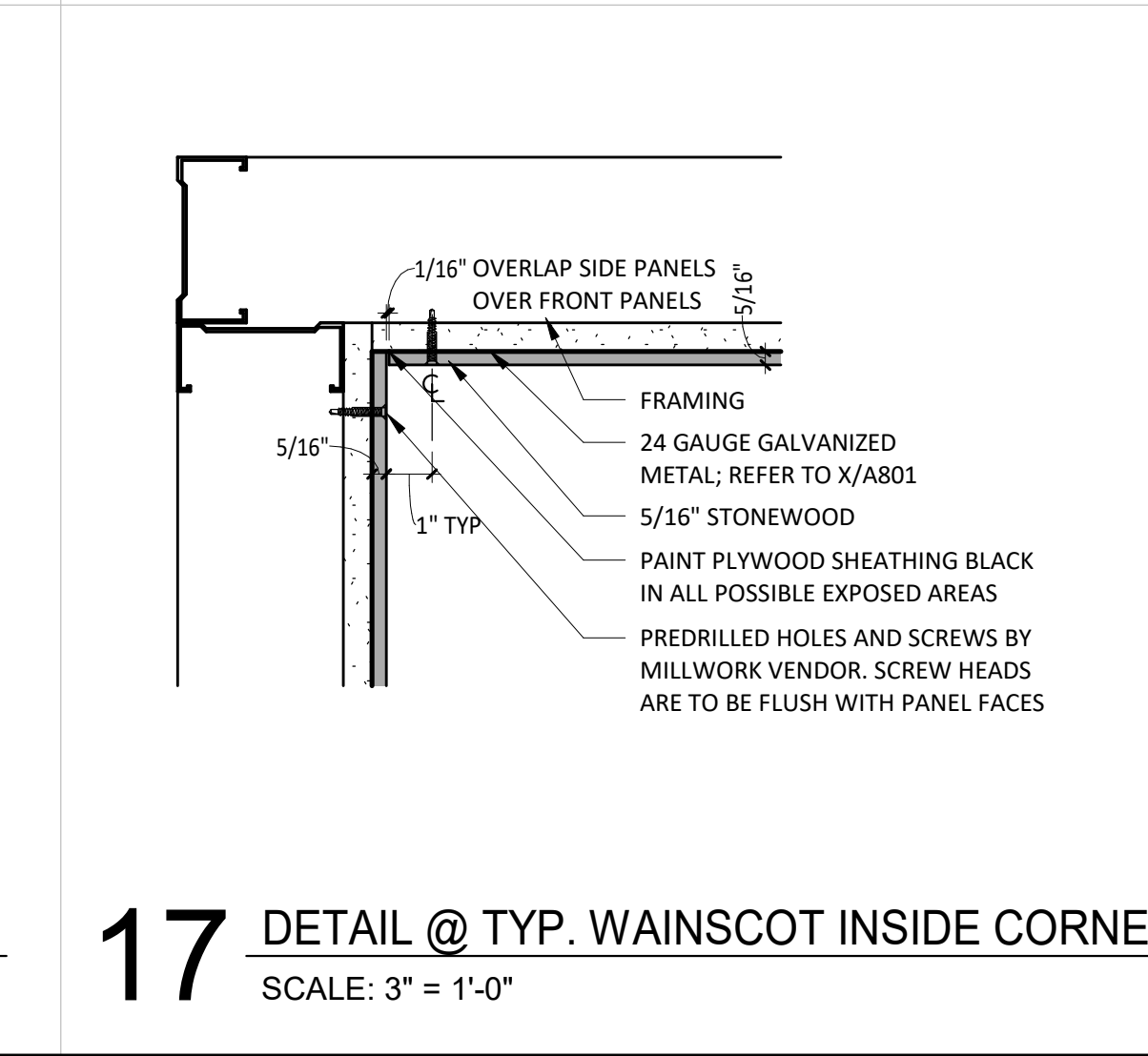
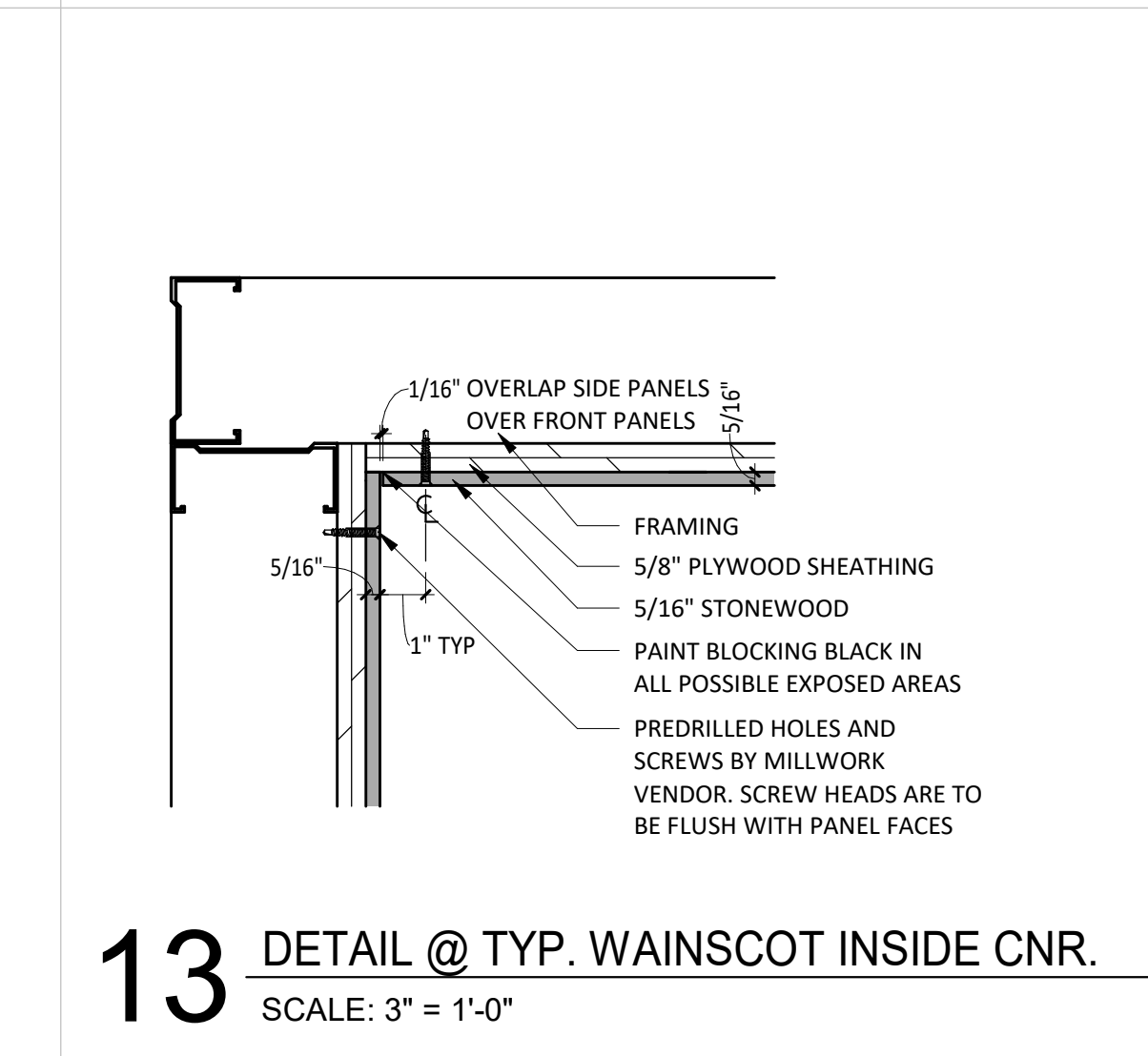
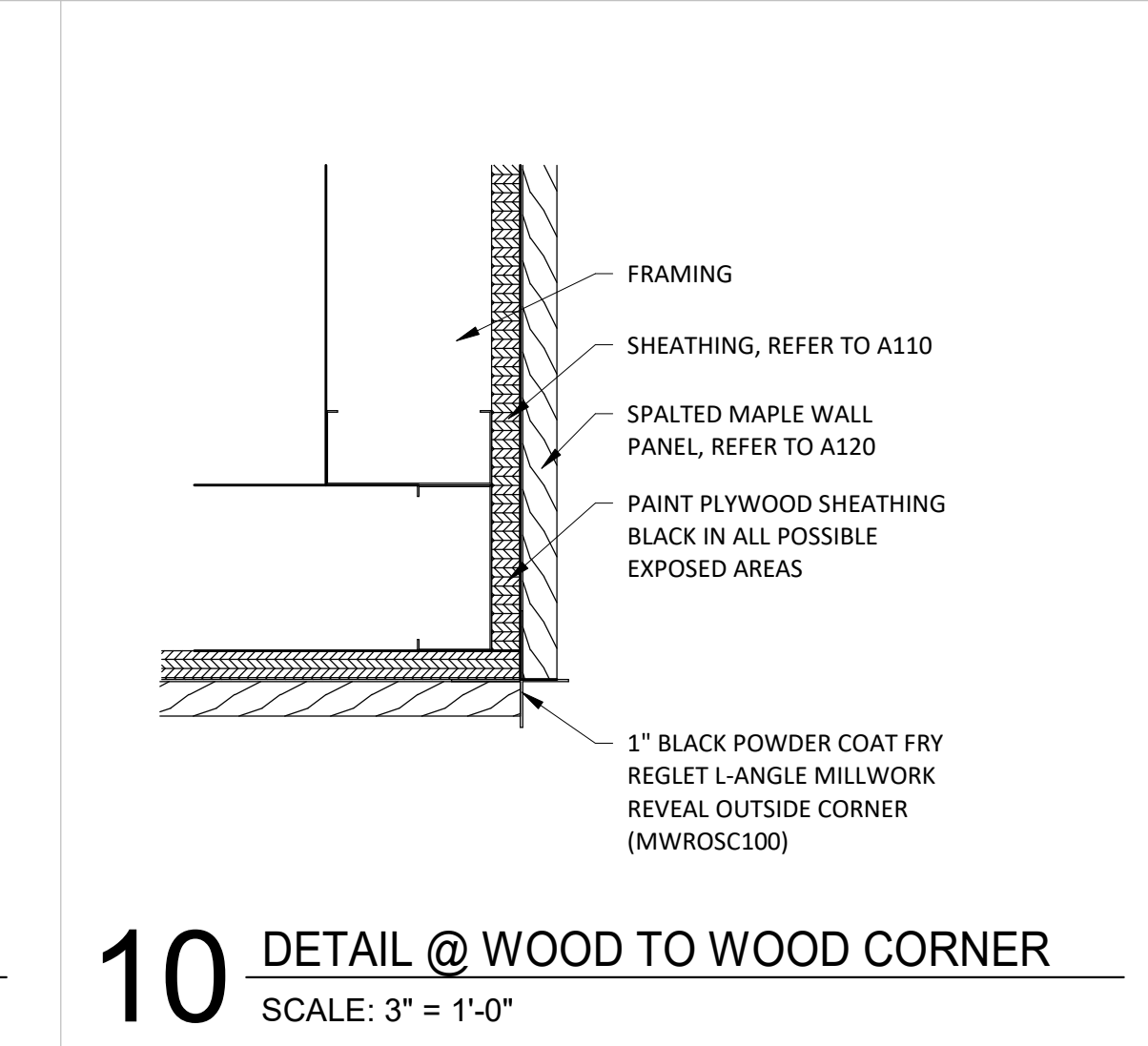
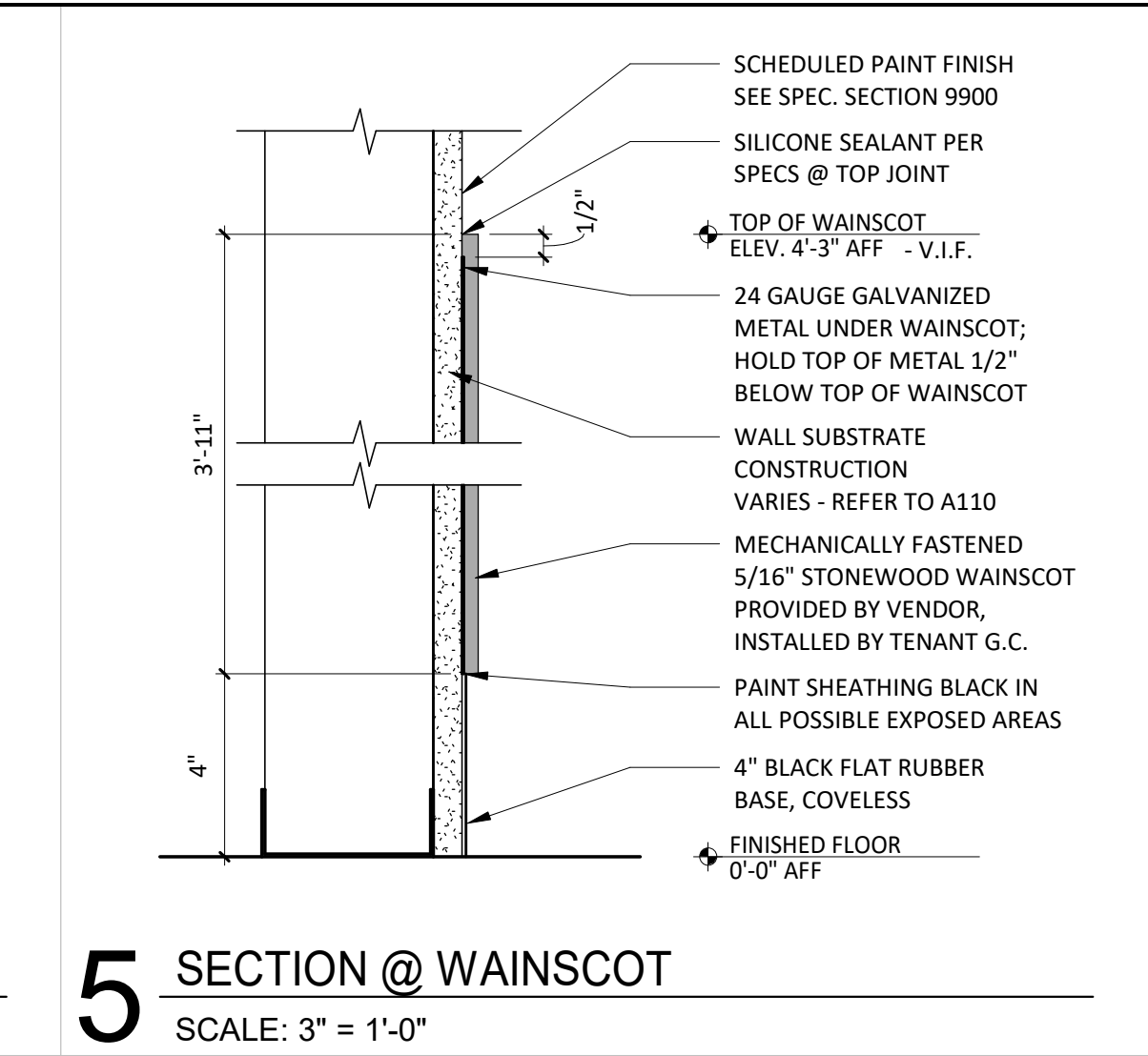
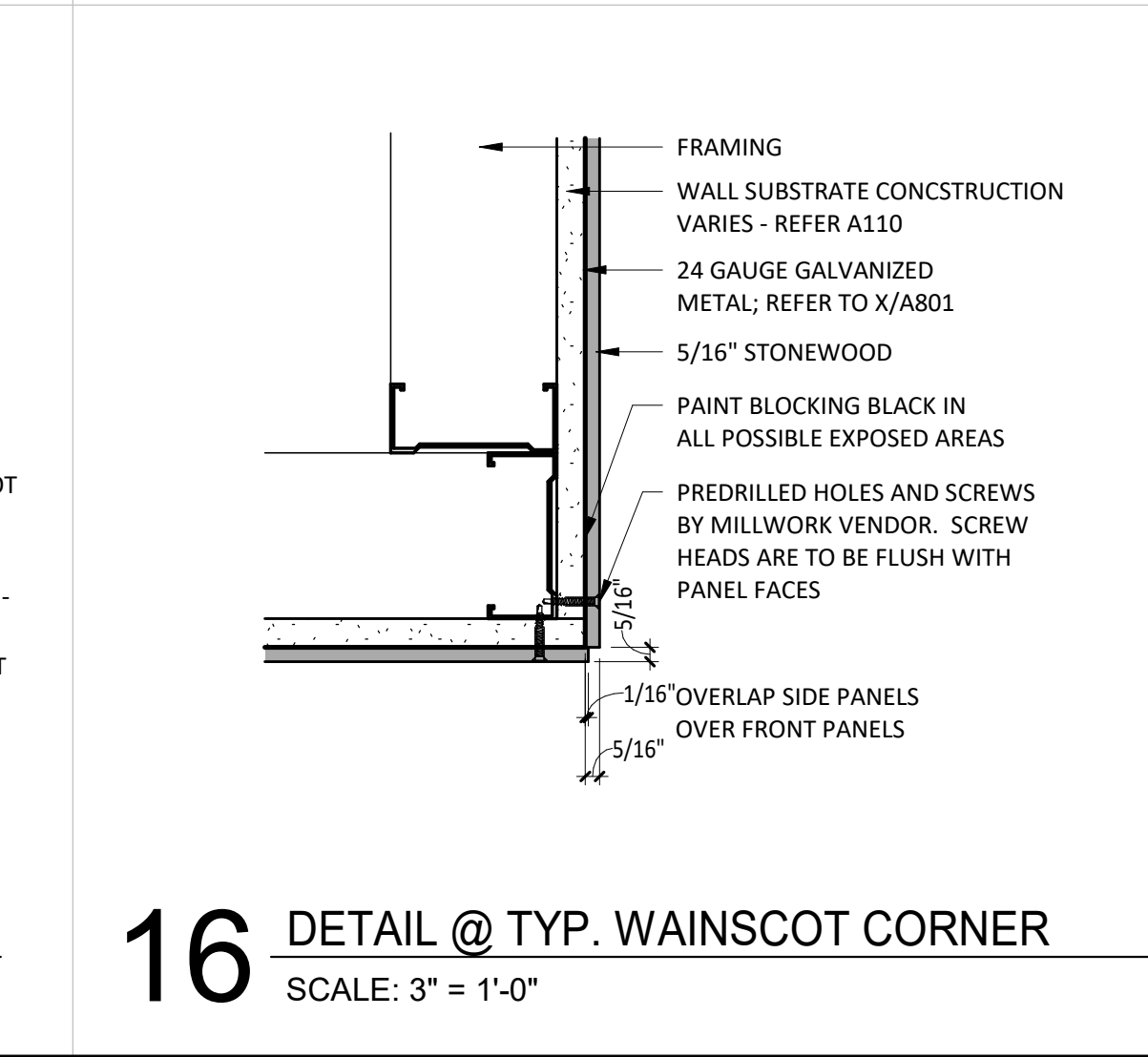
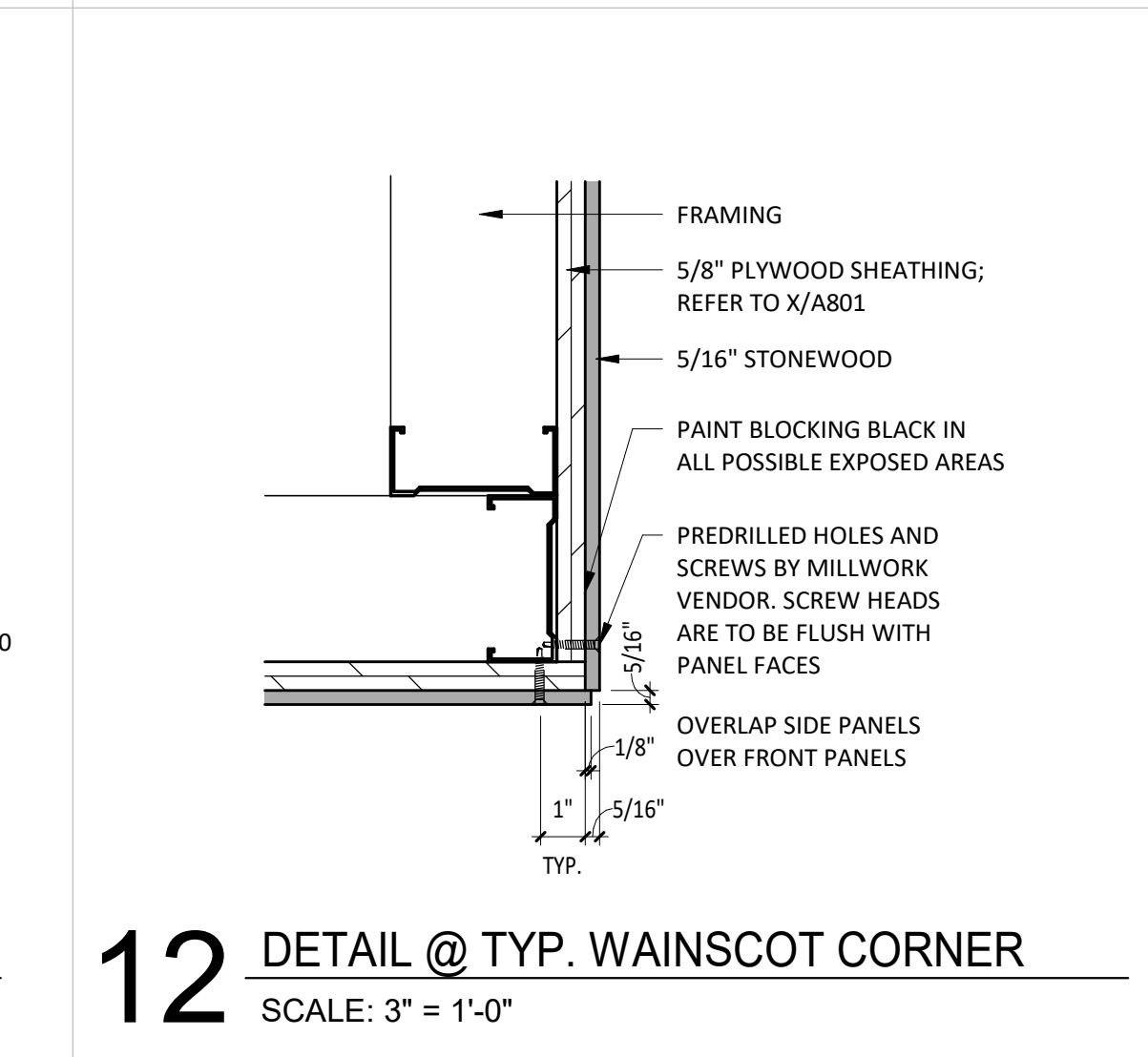
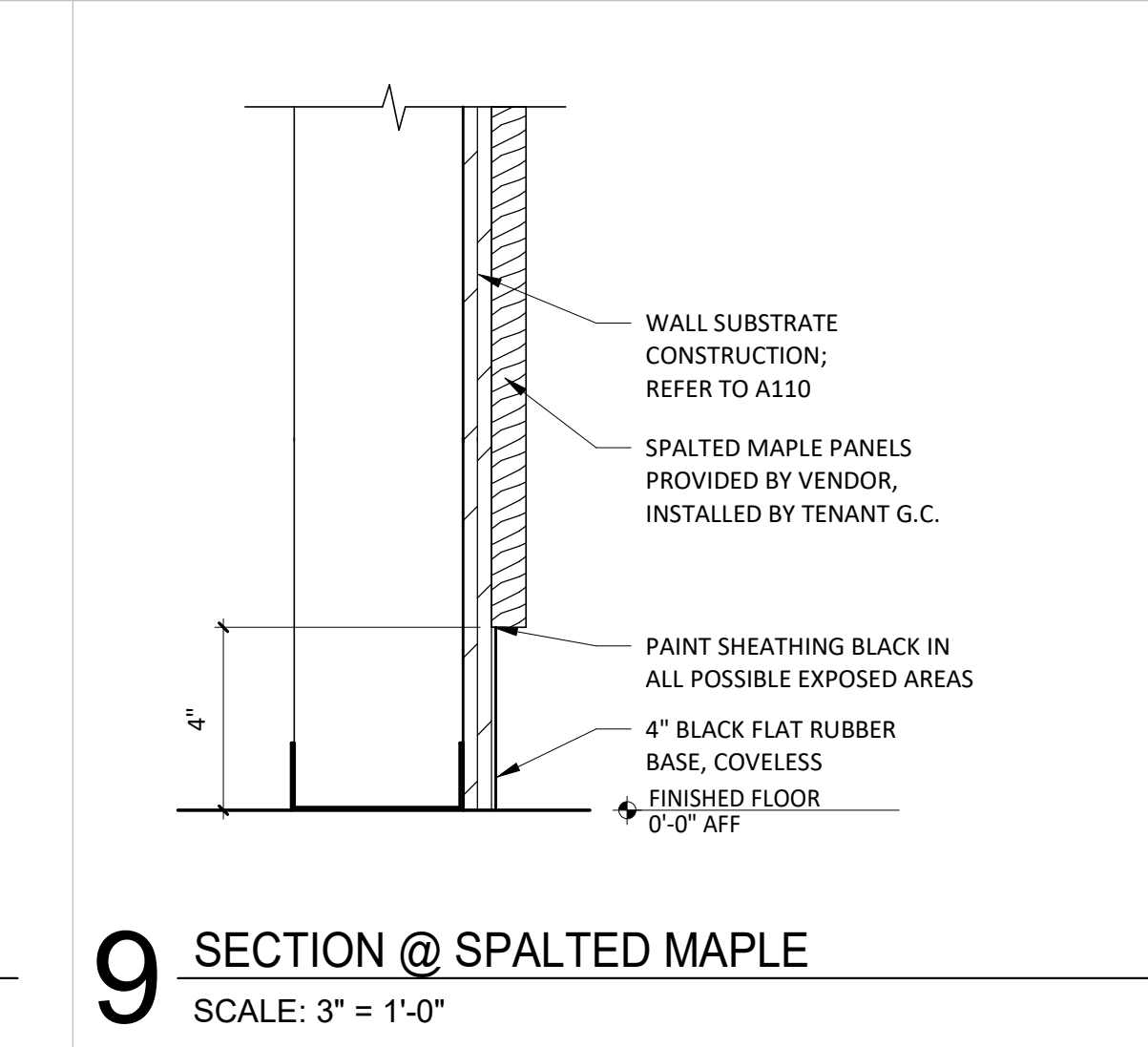
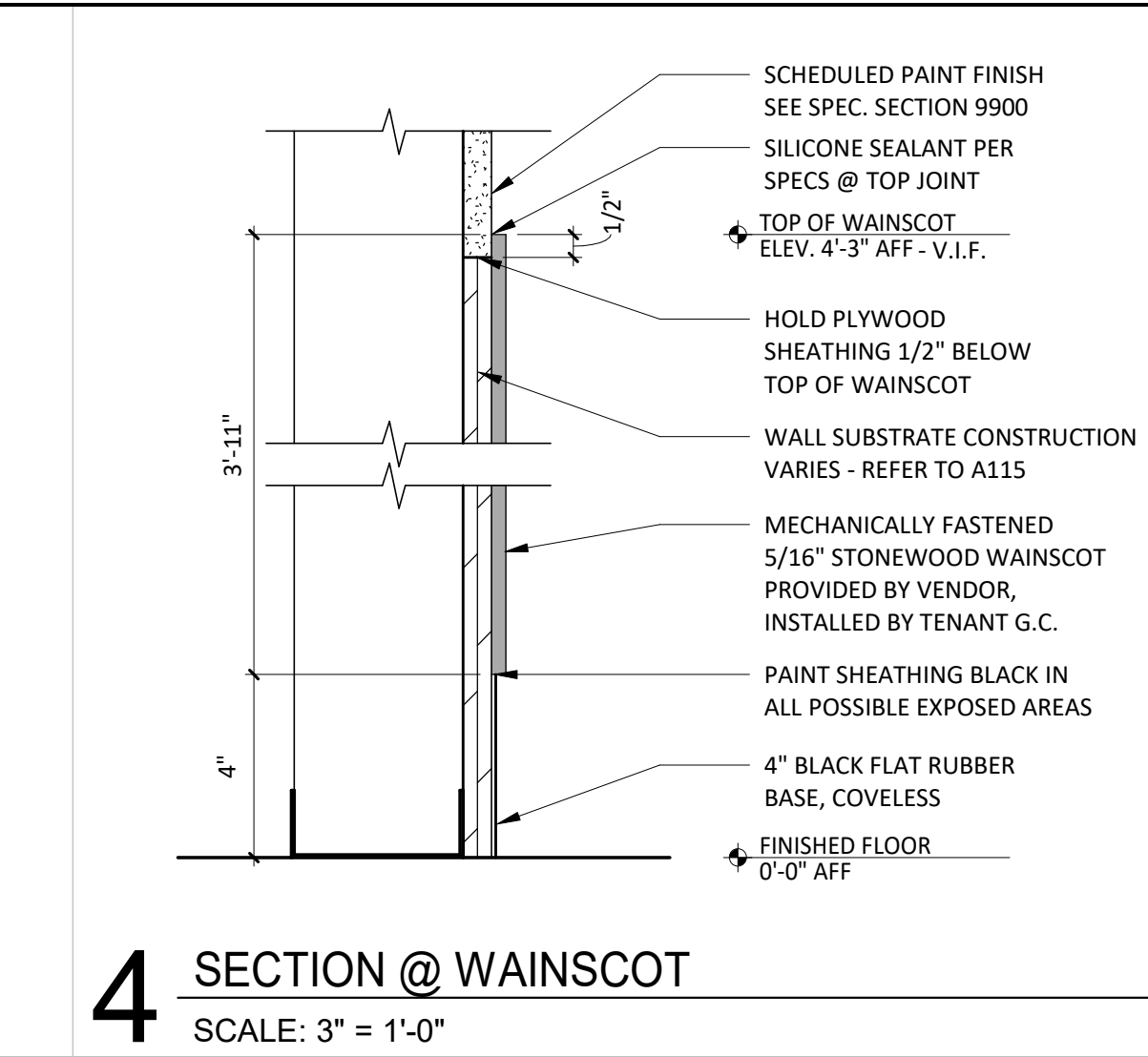
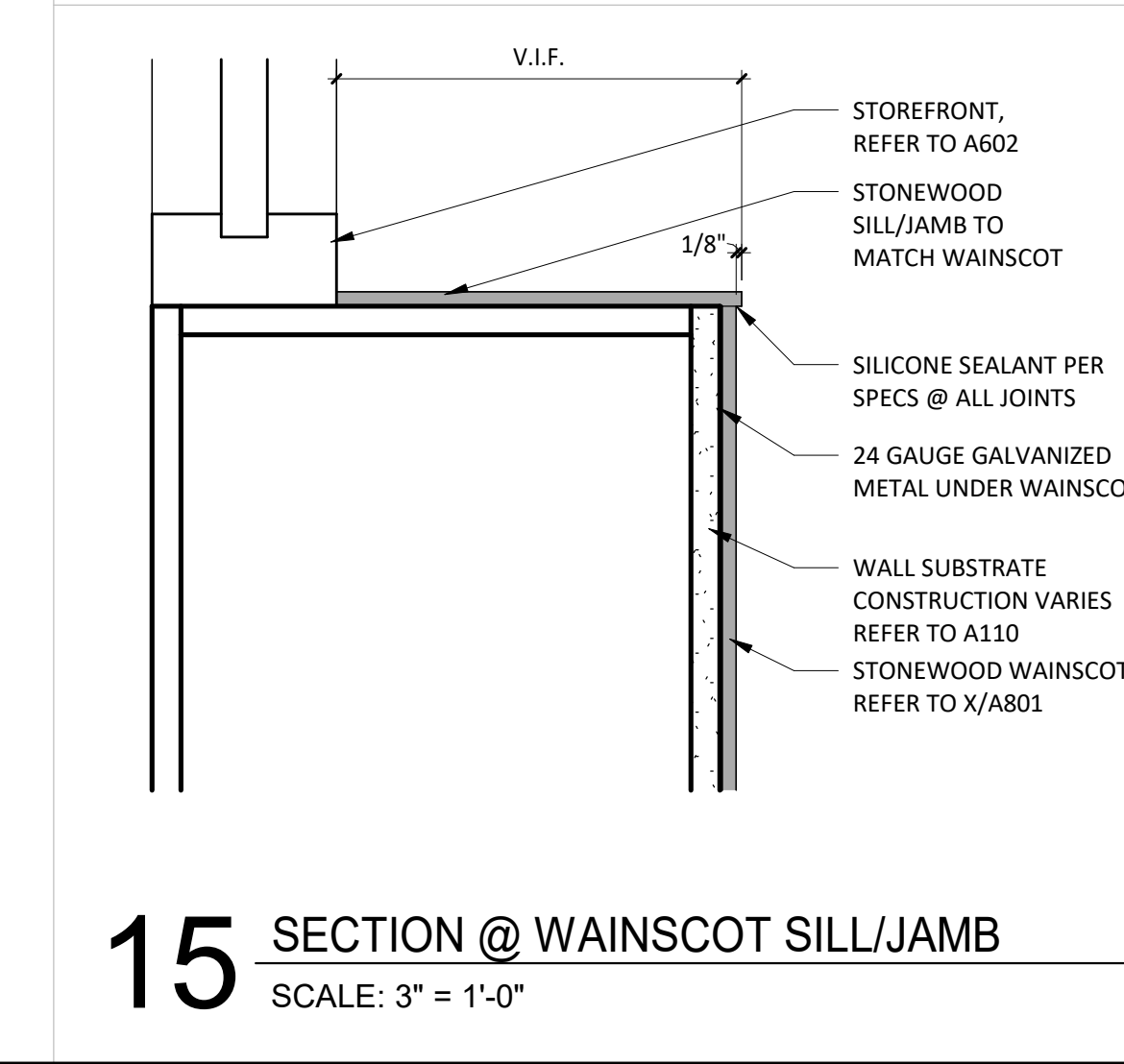
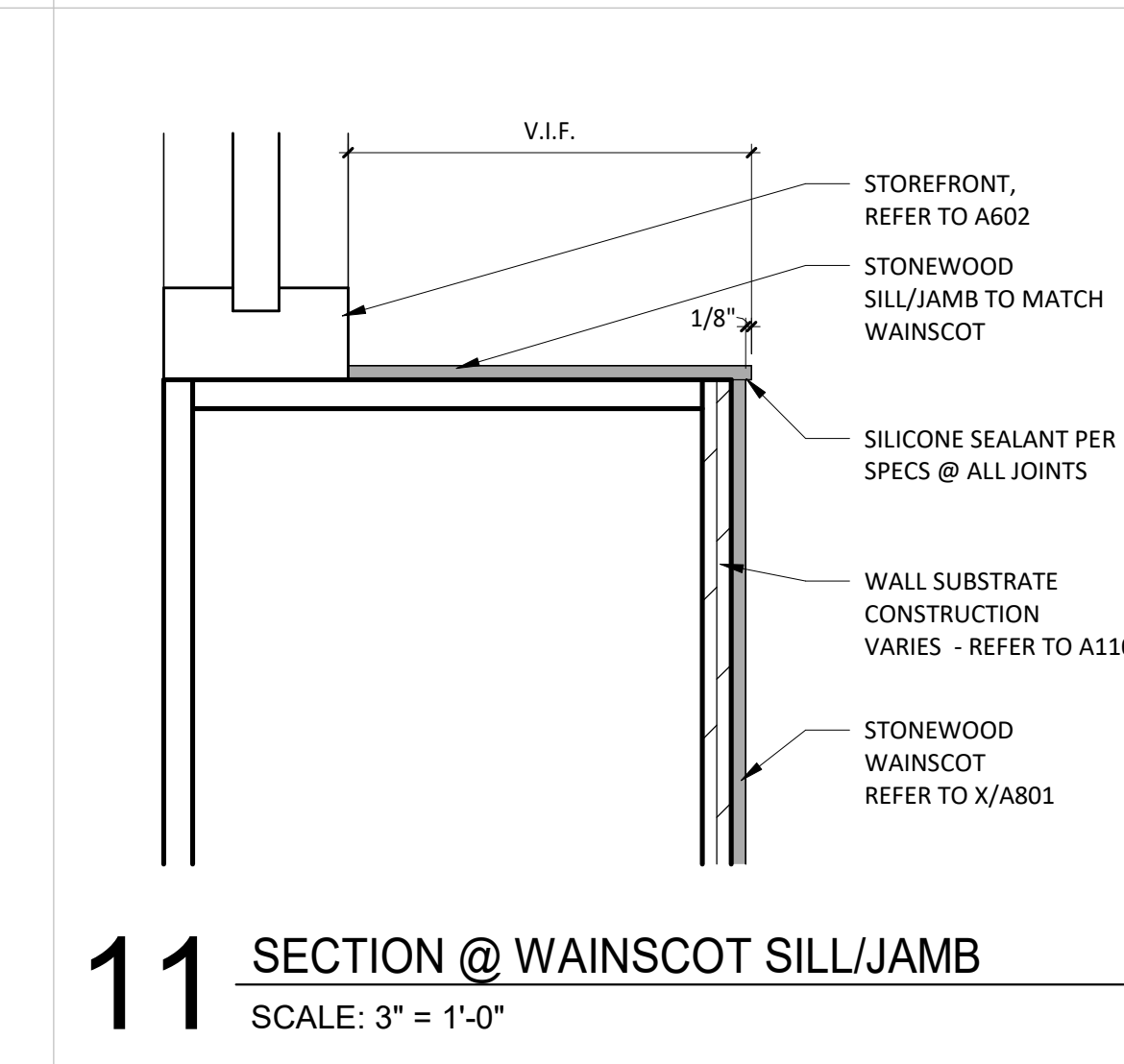
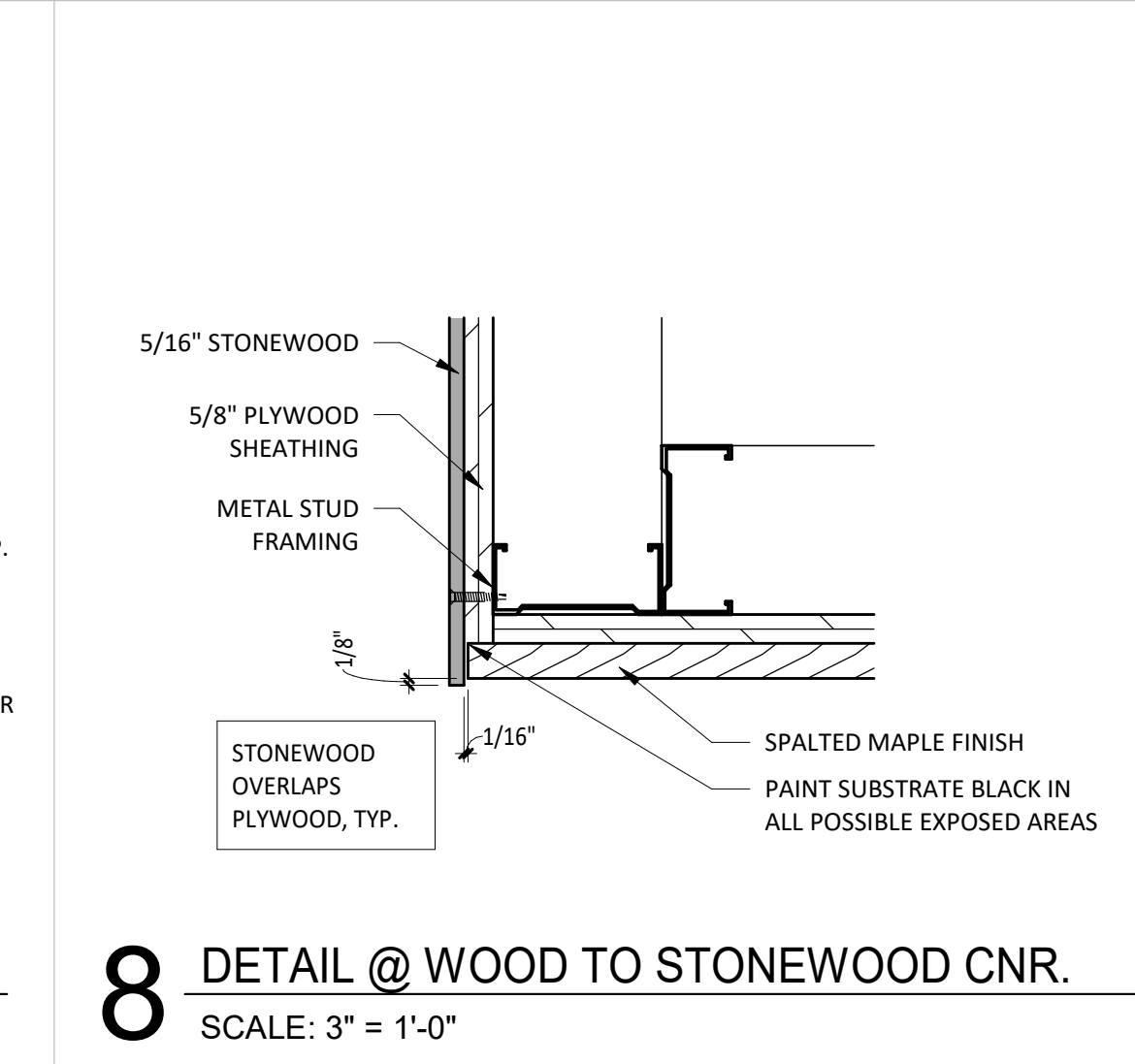
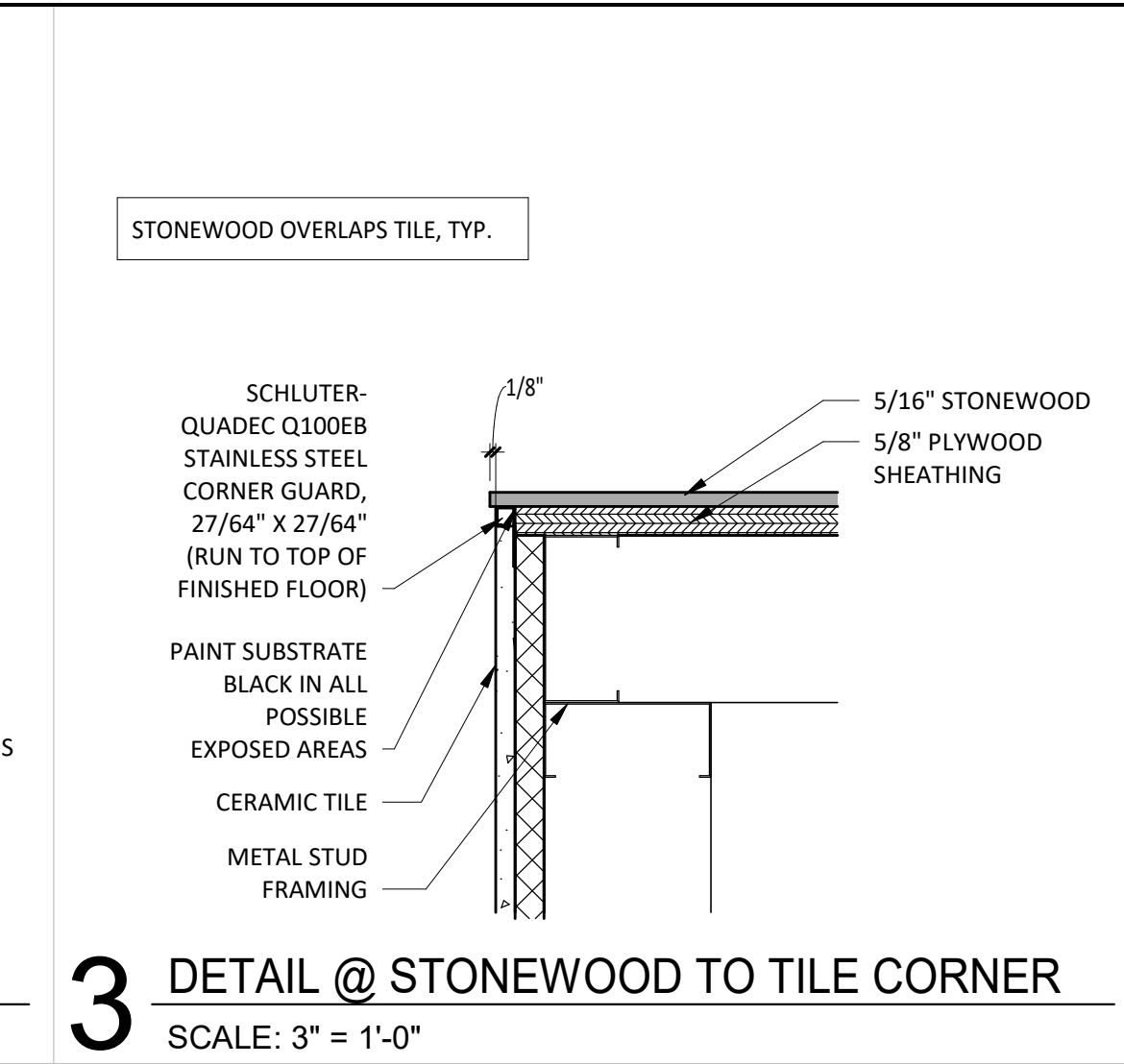
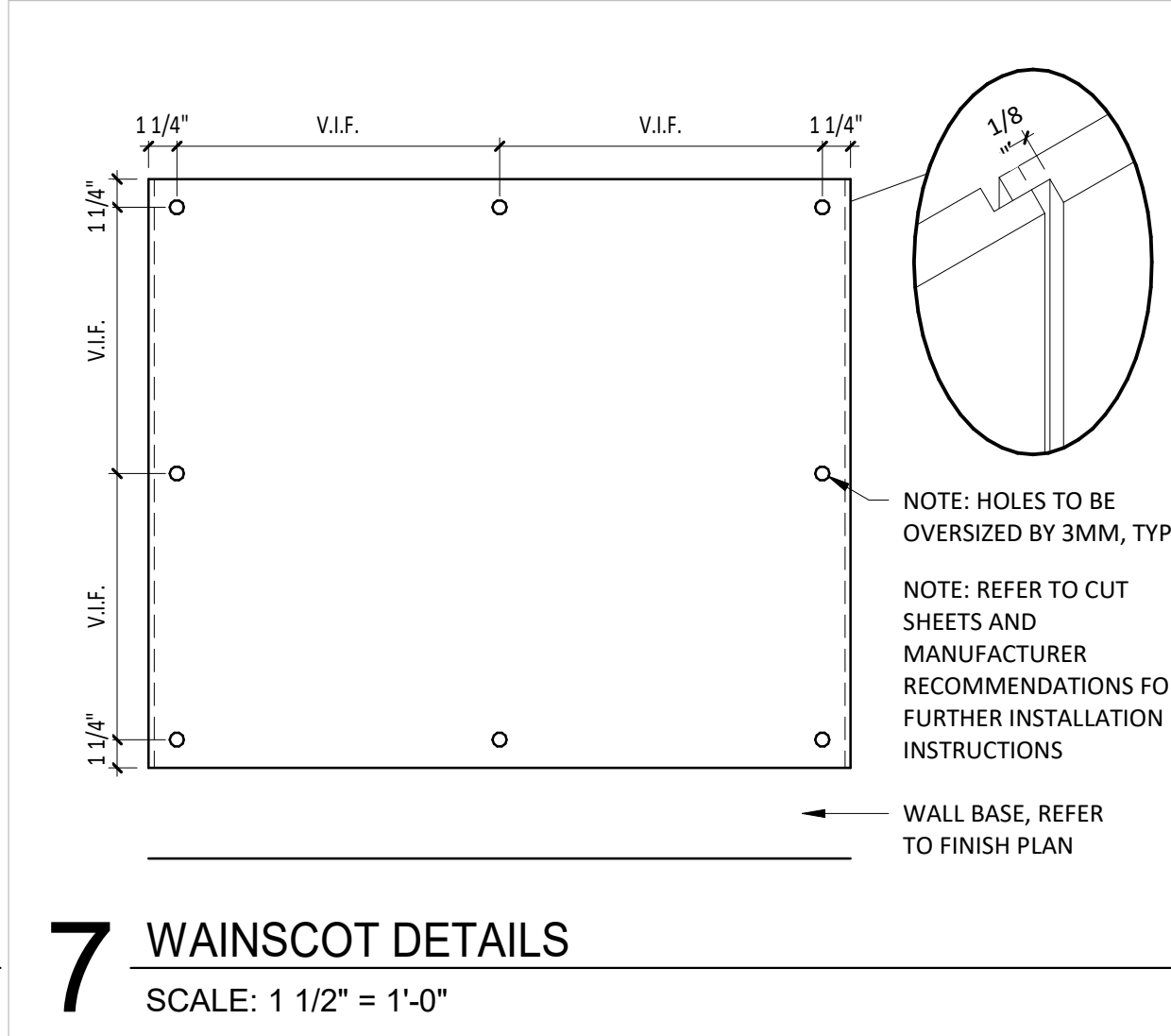
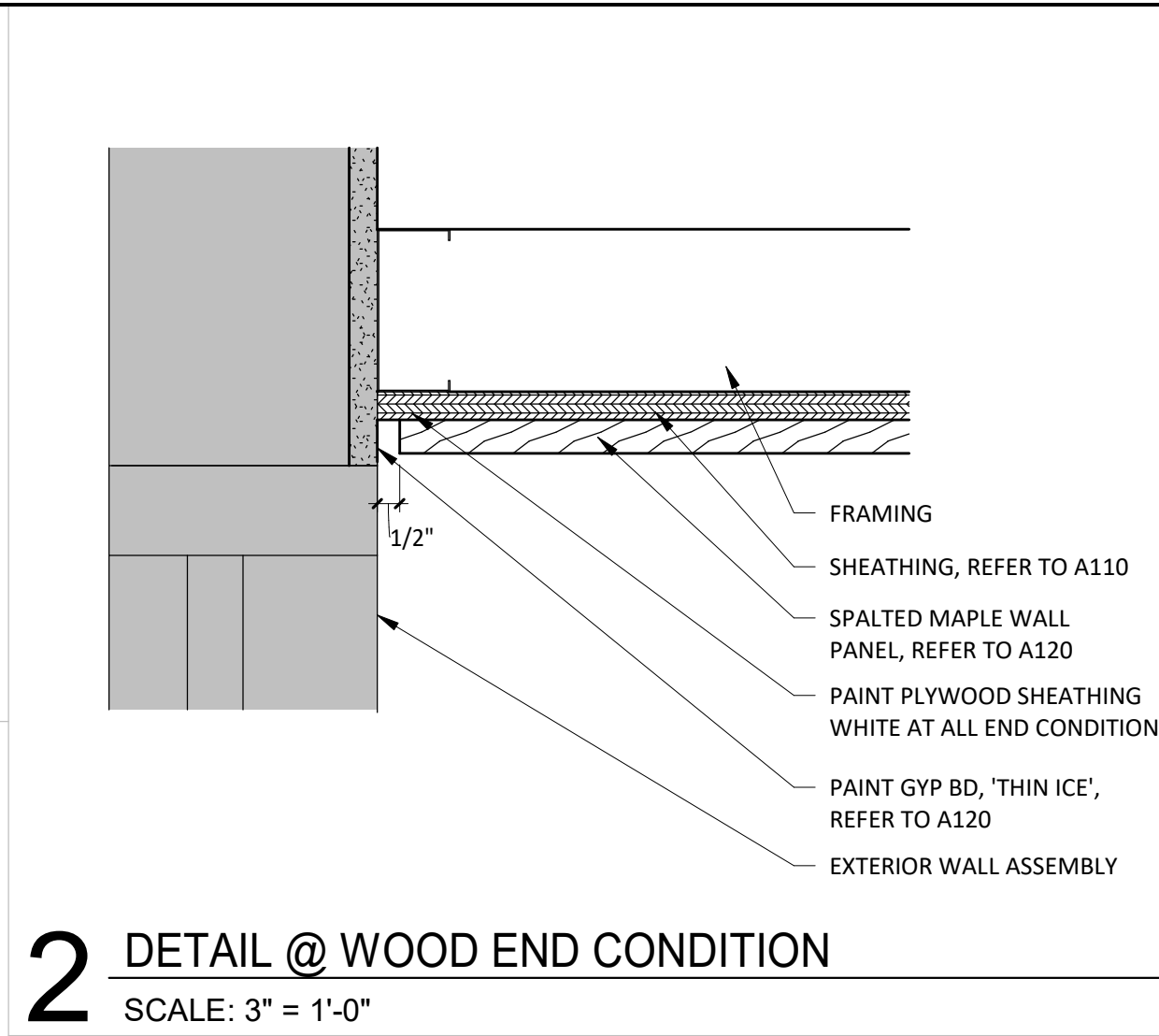
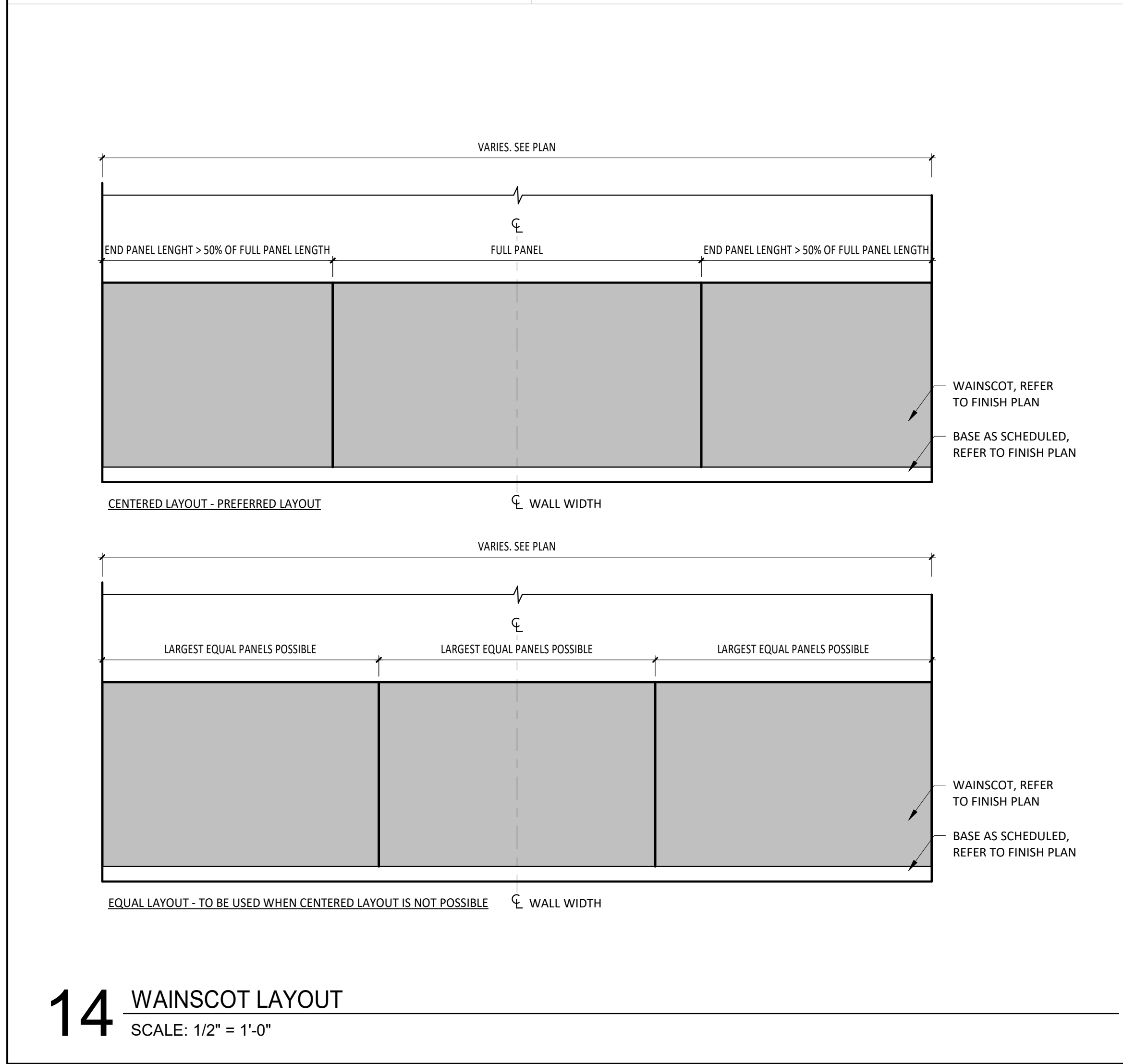
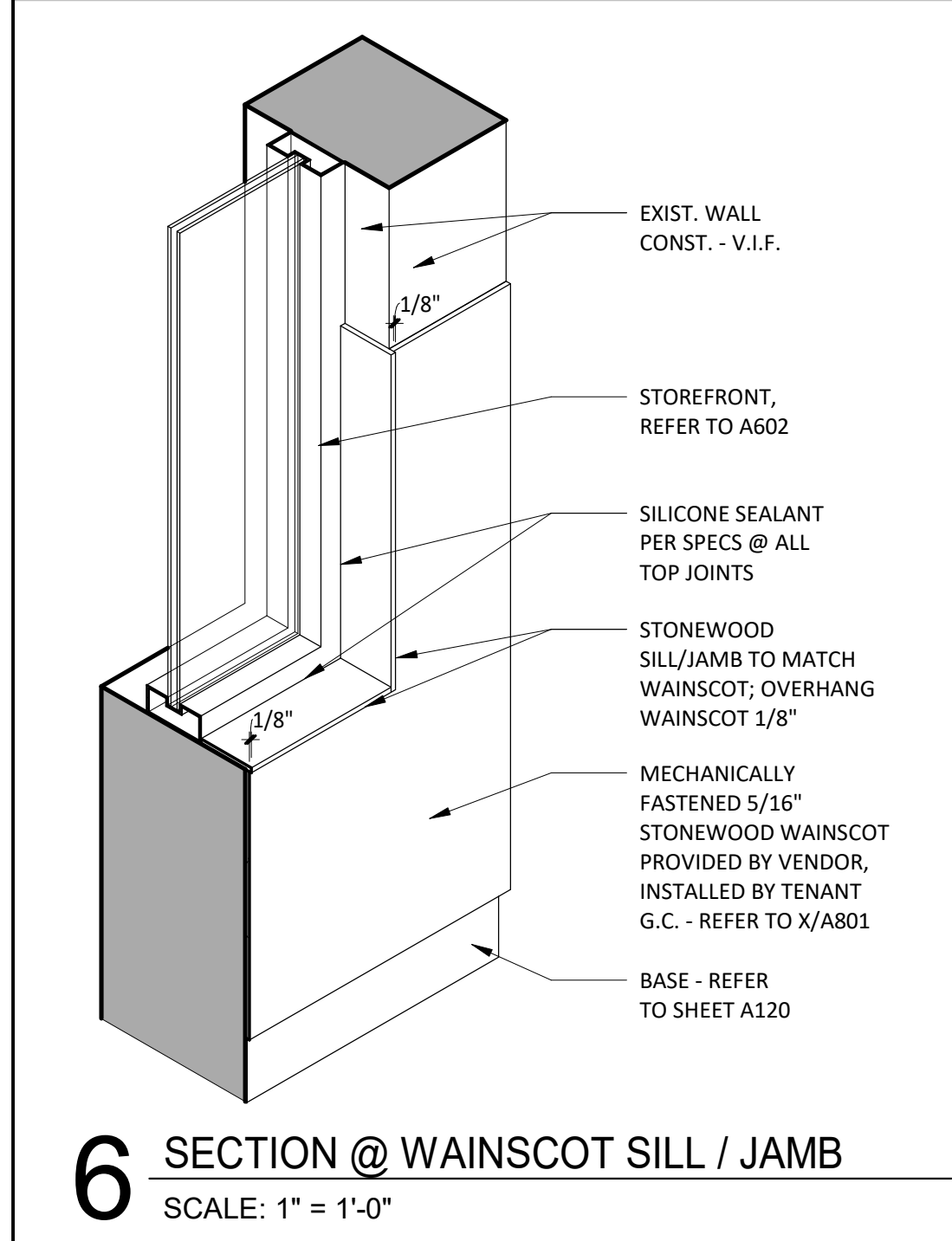
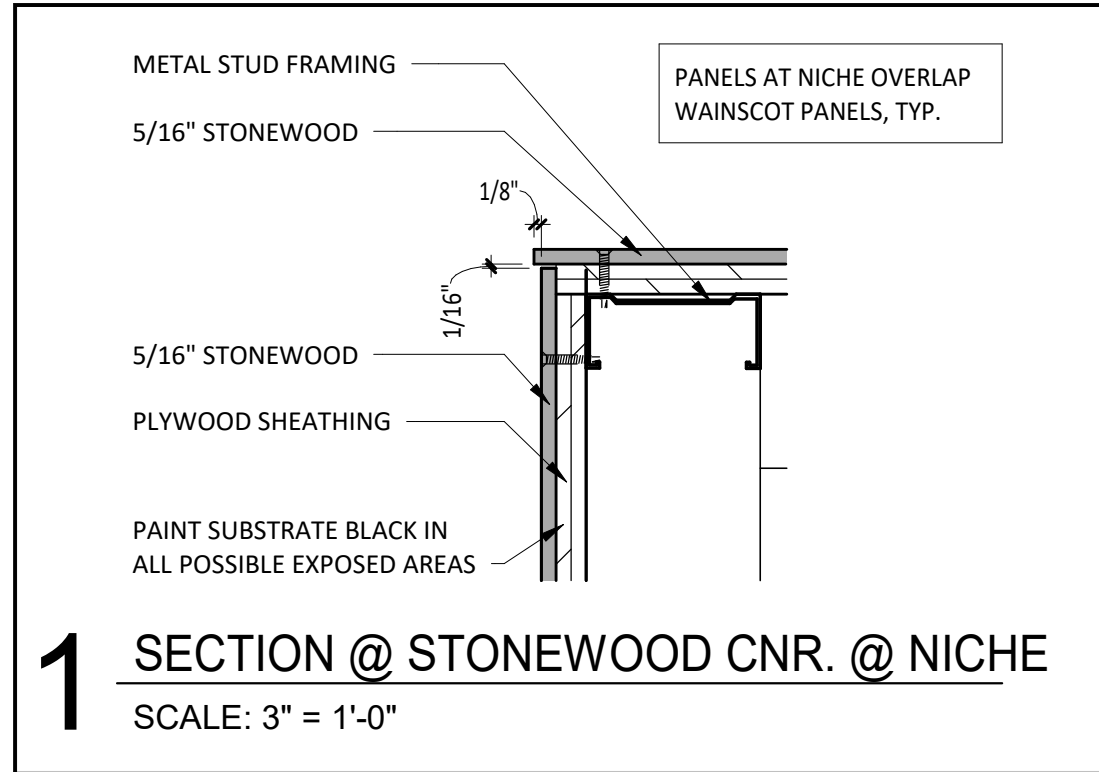
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08/26/2024 PERMIT SET
11/22/2024 BID SET
12/20/2024 CONSTRUCTION SET

REVISIONS:
1 11/22/2024 BID SET

TITLE:
FINISH DETAILS -
GENERAL

SHEET NUMBER:
A801





CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL

CHIPOTLE MEXICAN GRILL, INC.
PO BOX 16266
COLUMBUS, OH 43216-2666
TELEPHONE: (614) 318-2482
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PROJECT INFORMATION:

STORE NO.: 5326
"GREENFIELD WI"
8515 SURA LANE
GREENFIELD, WI 53228

SEAL:

MATTHEW M. WILKUS
A-12282
MINNETONKA, MN
ARCHITECT
December 20, 2024
MATTHEW M. WILKUS
LICENSE #12262-5
(EXPIRES 07/31/2026)

PROJECT NO. 2023-0549
DRAWN BY ABM
CHECKED BY DRL, CUG

ISSUE RECORD:

08/26/2024	PERMIT SET
11/22/2024	BID SET
12/20/2024	CONSTRUCTION SET

REVISIONS:

1	11/22/2024	BID SET
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TITLE:

FINISH DETAILS - WOOD

SHEET NUMBER:

A803

GENERAL STRUCTURAL NOTES

- 1

BUILDING CODE
- 1.1

THE 2015 WISCONSIN BUILDING CODE BASED ON THE 2015 INTERNATIONAL BUILDING CODE (IBC).
- 2

DESIGN LOADS:
- 2.1

ROOFS:

DEAD LOAD

20 PSF

LIVE

20 PSF (REDUCIBLE)

SNOW:

GROUND SNOW LOAD, P_g

30 PSF

FLAT ROOF SNOW LOAD

21 PSF*
- 2.2

WIND:

BASIC WIND SPEED, V

115 MPH ULTIMATE

RISK CATEGORY

II

EXPOSURE

C

INTERNAL PRESSURE COEFFICIENT, GCP

±0.18

MWFRS

25.4 PSF CORNERS

COMPONENT DESIGN PRESSURE

SEE TABLE
- 2.3

SEISMIC DATA:

SITE CLASS

D

RISK CATEGORY

II

IMPORTANCE FACTOR, I_p

1.0

MAPPED SPECTRAL RESPONSE COEFFICIENT, S_s

0.086

MAPPED SPECTRAL RESPONSE COEFFICIENT, S_1

0.046

SEISMIC DESIGN CATEGORY

B
- 2.4

ENGINEERED WOOD TRUSSES.....REFER TO DETAIL 2/S201

* PLUS SNOW ACCUMULATION IN ACCORDANCE WITH SECTION 1608 OF THE IBC.

COMPONENT AND CLADDING ULTIMATE WIND PRESSURE TABLE IN PSF ^{1,2}				
LOCATION	EXTERIOR WALLS		GROSS ROOF UPLIFT	
	TRIBUTARY AREA		TRIBUTARY AREA	
	10 SQ. FT.	500 SQ. FT.	10 SQ. FT.	500 SQ. FT.
TYPICAL	±28.6	±22.0	-28.8	-26.4
WITHIN 8 FEET OF BUILDING CORNER	±35.2	±22.0		
FROM 12 TO 24 FEET FROM BUILDING EDGE			-28.8	-26.4
FROM EDGE OF ROOF TO 12 FEET FROM EDGE			-48.4	-31.3
FROM 12 FEET FROM BUILDING CORNER (4 FEET WIDE)			-72.8	-31.3

¹LINEAR INTERPOLATION MAY BE USED FOR TRIBUTARY AREAS BETWEEN THOSE SHOWN

²PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE PROJECTED SURFACES, RESPECTIVELY

- 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 ²	MAX WATER TO CEMENT RATIOS (W/C) ³
INTERIOR SLABS ON GRADE	4000 PSI	¾"	3" ± 1"	0.43
ANY CONCRETE SUBJECT TO FREEZE-THAW CYCLES (5% ENTRAINED AIR) ¹	4500 PSI	¾"	4" ± 1"	0.45

¹ TOLERANCE ON AIR CONTENT AS DELIVERED SHALL BE ± 1.5%.

- 2

PRIOR TO ADDITION OF PLASTICIZER OR HIGH-RANGE WATER-REDUCER
- 3

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

ALL WELDED WIRE FABRIC SHALL BE TRANSPORTED AND DELIVERED IN FLAT SHEETS
- 5.7

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.
- 5.8

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.

WOOD:

- 5.16

DESIGN CODE: NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION (AF&PA), LATEST ADOPTION.
- 5.17

MATERIALS (FOLLOWING INDICATE MINIMUM GRADES UNO ON DRAWINGS):

DESCRIPTION		SPECIES & GRADE		DESIGN VALUES (PSI)			COMMENTS	
				Fb	FcL	FcL		
FRAMING LUMBER	Dimensional Lumber (2"~4")	SPRUCE-PINE-FIR	NO. 2	875	425	1150	1.4 (10 ⁶)	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

- 5.18

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.
- 5.19

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.
- 5.20

COORDINATE MECHANICAL EQUIPMENT LOADS AND LOCATIONS WITH MECHANICAL/ARCHITECTURAL DRAWINGS AND MECHANICAL CONTRACTOR.

- 6

SUBMITTALS:
- 6.1

GENERAL SUBMITTAL REQUIREMENTS
- 6.1.1

CONTRACTOR SHALL REVIEW, STAMP, SIGN AND DATE ALL SUBMITTALS PRIOR TO FORWARDING TO ARCHITECT/ENGINEER. THE ENGINEER'S REVIEW IS FOR CONFORMANCE WITH THE DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE RELEVANT CONTRACT DOCUMENTS. THE ENGINEER'S REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW, CHECK AND COORDINATE THE SUBMITTALS. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS IN THE SUBMITTALS.
- 6.1.2

SHOP DRAWINGS SHALL BE IN THE FORM OF BLACK-LINE PRINTS OR PORTABLE DOCUMENT FORMAT (PDF) FOR REVIEW. DRAWINGS LISTED BELOW AS 'CERTIFIED' SHALL BEAR THE SIGNED AND DATED SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. IN NO CASE SHALL REPRODUCTIONS OF THE CONTRACT DRAWINGS BE USED AS SHOP DRAWINGS. DRAWINGS SHALL SHOW ERECTION PLANS, DIMENSIONS, BRACING AND BRIDGING REQUIREMENTS, DETAILS, SUPPORTED MECHANICAL EQUIPMENT AND PIPING. SUBMITTALS ARE REQUIRED.
- 6.2

CONCRETE:
- 6.2.1

CONCRETE MIX DESIGN(S) SHALL BE SUBMITTED TO ENGINEER FOR REVIEW. A SIGNED CERTIFICATION STATING COMPLIANCE WITH ACI 318, CHAPTER 5 SHALL BE SUBMITTED WITH EACH MIX DESIGN.
- 6.2.2

REINFORCING STEEL SHOP DRAWINGS.

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

CONSULTANT:



VAA, LLC
2300 Berkshire Lane N, Suite 200
Plymouth, MN 55441

763.559.9199
www.vaaeng.com

CLIENT:



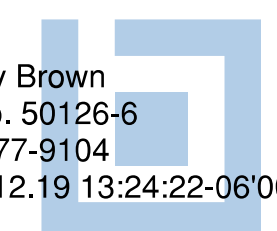
CHIPOTLE MEXICAN GRILL, INC.
PO BOX 18266
COLUMBUS, OH 43218-2666
TELEPHONE: (614) 318-2662
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: 5326
"GREENFIELD WI"
8515 SUPRA LANE
GREENFIELD, WI 53228

SEAL:



Kelsey Brown
PE No. 50126-6
763-577-9104
2024.12.19 13:24:22-06'00"



KELSEY F. BROWN
50126-6
MINNEAPOLIS, MN
12/19/24

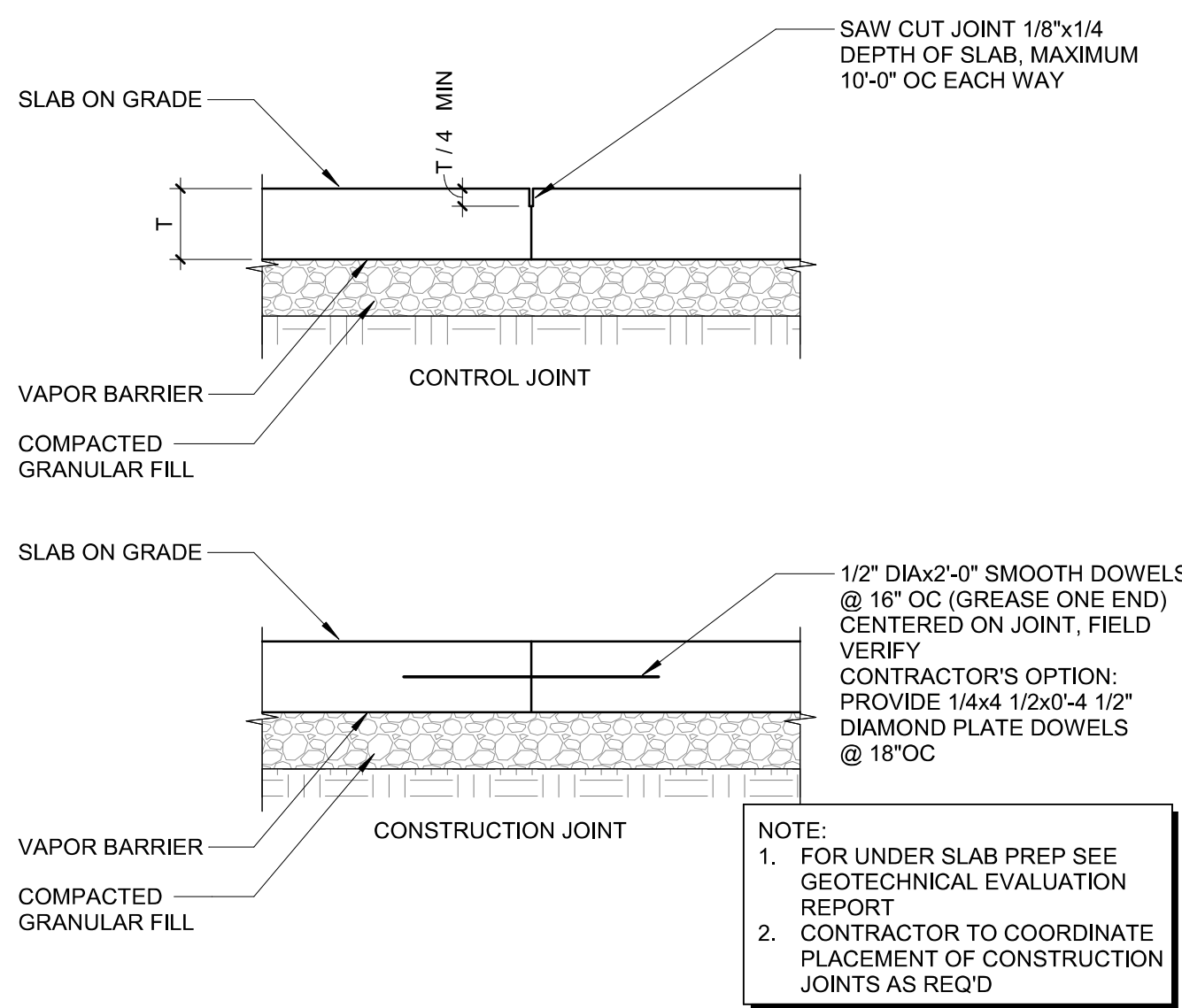
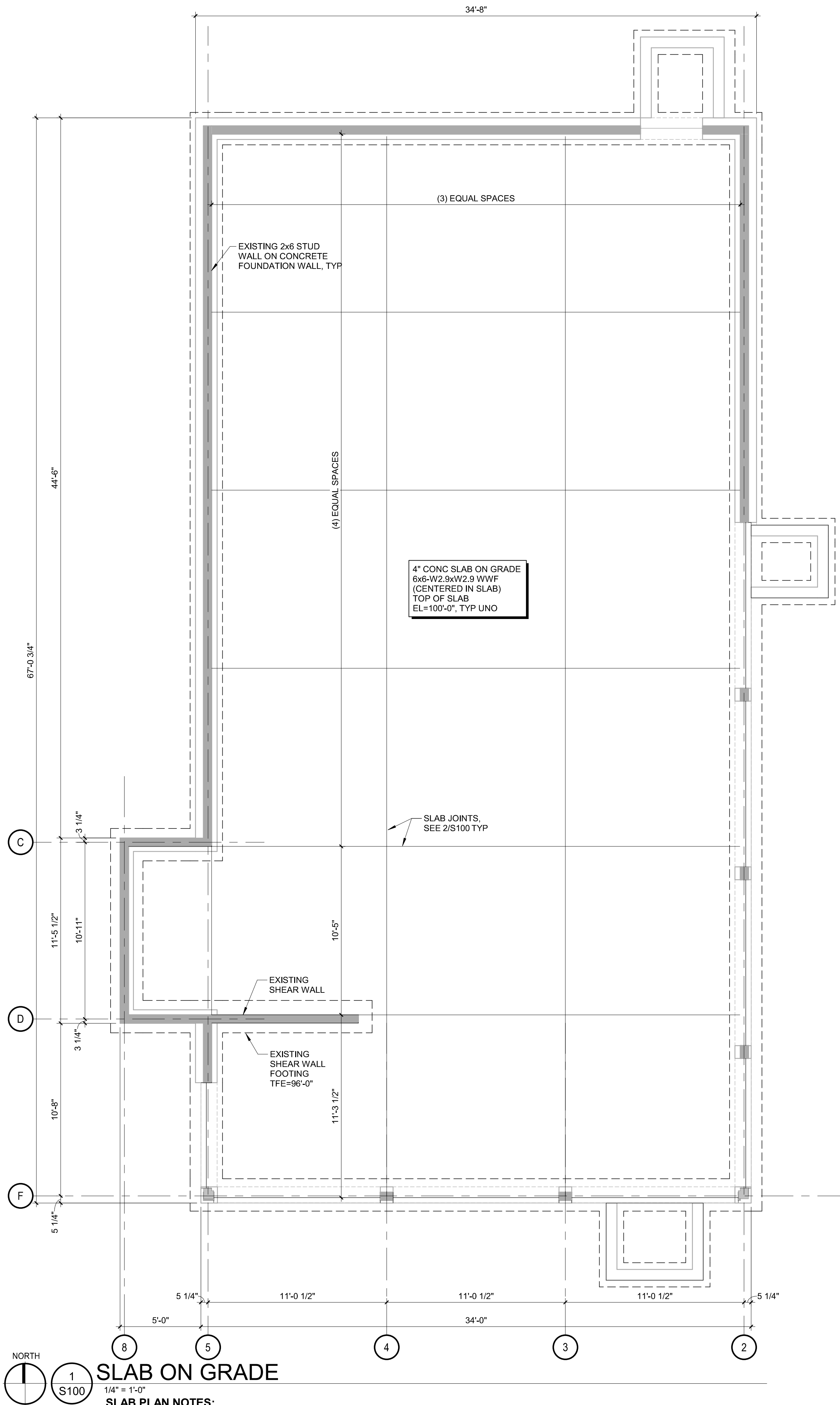
PROJECT NO. 240007
DRAWN BY TAH
CHECKED BY TJM

ISSUE RECORD:
08.26.2024 PERMIT SET
11.22.2024 BID SET
12.20.2024 CONSTRUCTION SET

REVISIONS:
1 11.22.2024 BID SET

TITLE:
GENERAL
STRUCTURAL
NOTES

SHEET NUMBER:
S000



2 INTERIOR SLAB JOINTS

1" = 1'-0"

CONSULTANT:



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2300 Berkshire Lane N, Suite 200
Plymouth, MN 55441

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CLIENT:



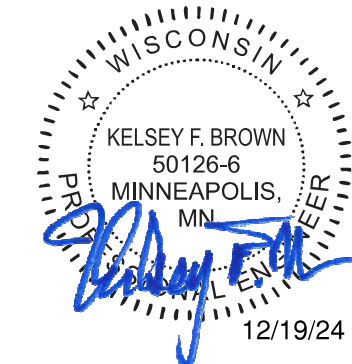
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PROJECT INFORMATION:

STORE NO.: 5326
"GREENFIELD WI"
8515 SUPRA LANE
GREENFIELD, WI 53228

SEAL:



PROJECT NO. 240007

DRAWN BY TAH

CHECKED BY TIM

ISSUE RECORD:

08.26.2024 PERMIT SET

11.22.2024 BID SET

12.20.2024 CONSTRUCTION SET

REVISIONS:

1 11.22.2024 BID SET

TITLE:

SLAB ON GRADE
PLAN AND DETAILS

SHEET NUMBER:

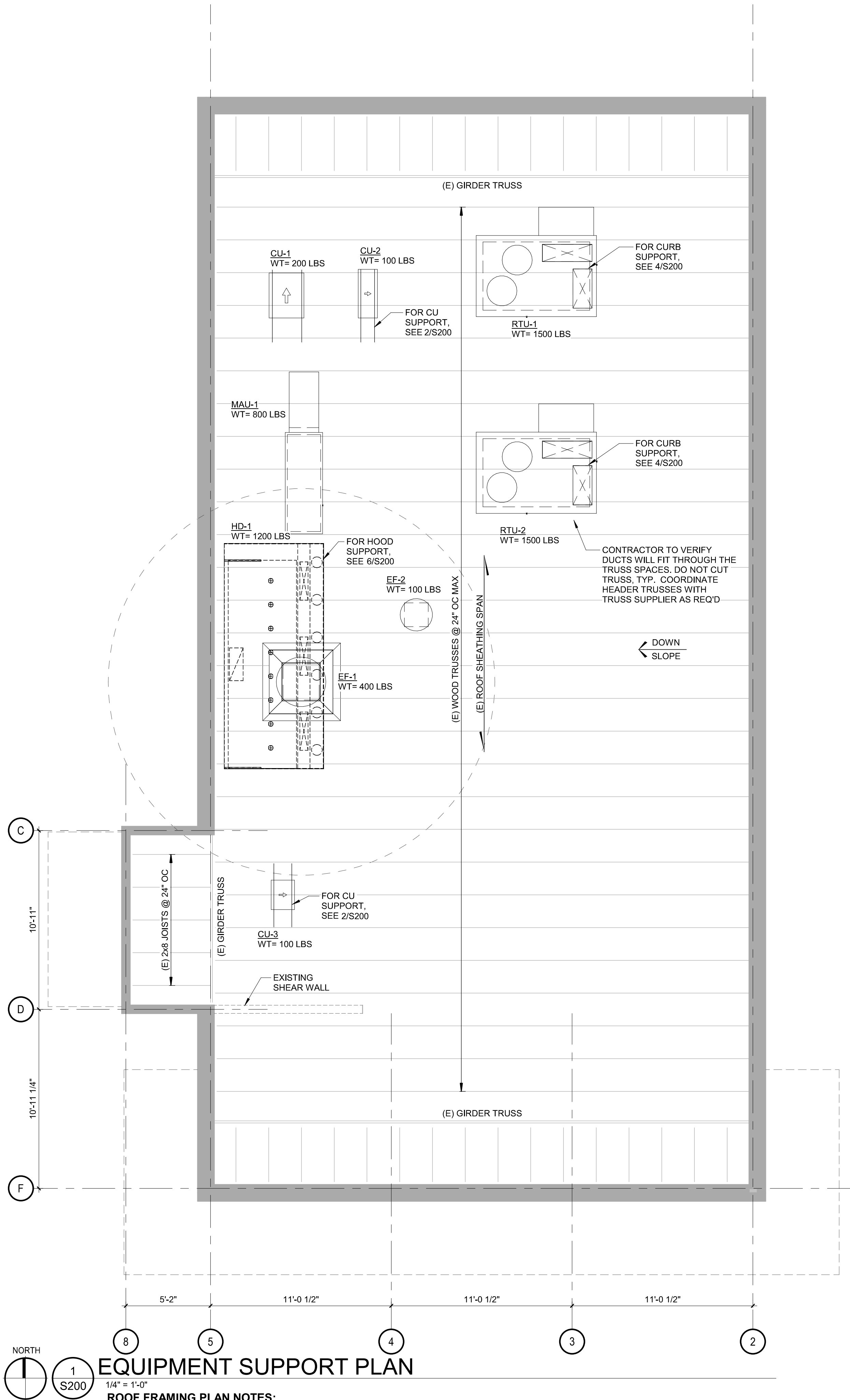
S100

1 SLAB ON GRADE

1/4" = 1'-0"

SLAB PLAN NOTES:

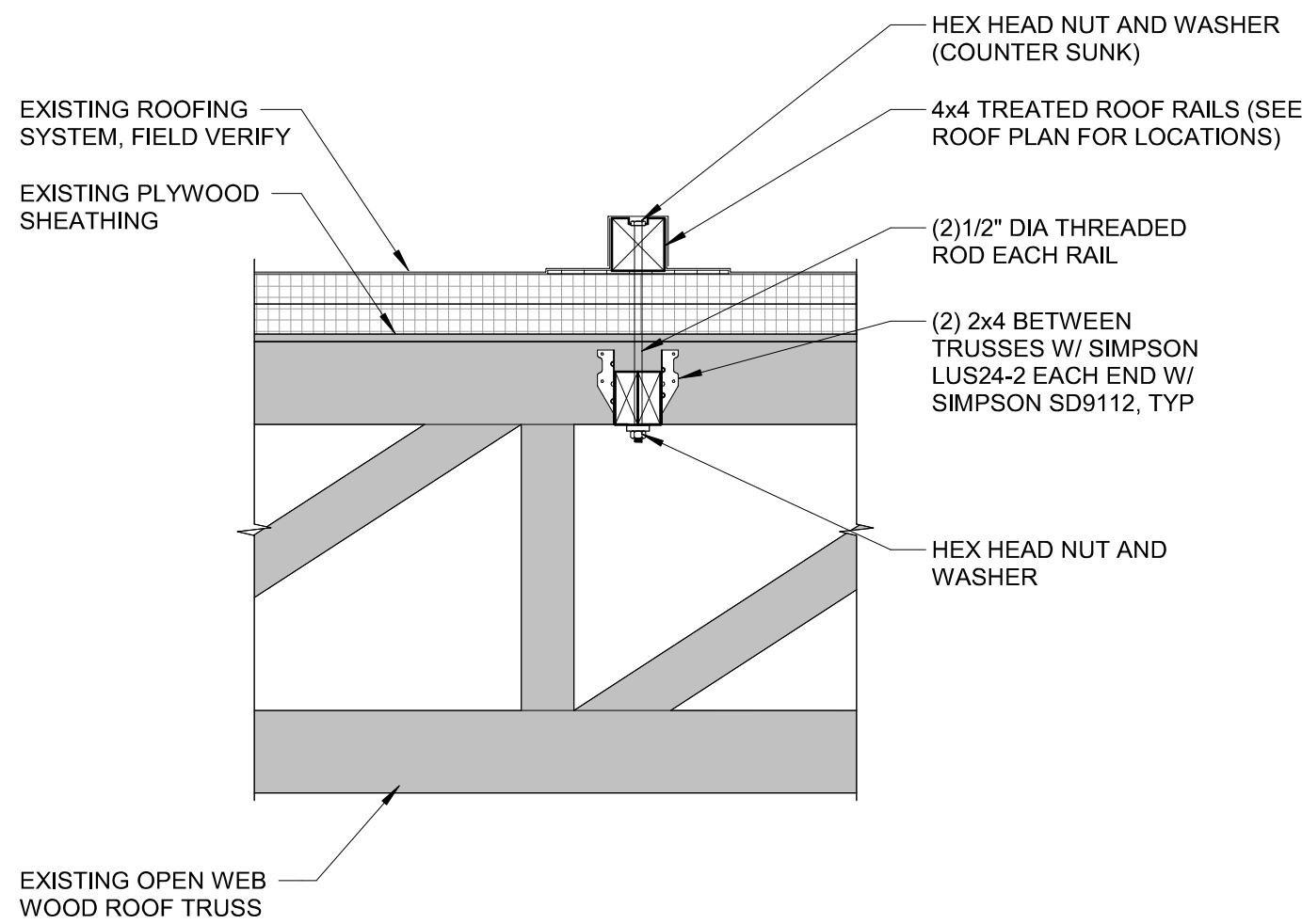
- FOR GENERAL STRUCTURAL NOTES SEE SHEET S000.
- CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, CONDITIONS, ETC PRIOR TO DEMOLITION, FABRICATION AND CONSTRUCTION.
- EXISTING STRUCTURAL INFORMATION IS BASED ON THE STRUCTURAL DRAWINGS PREPARED BY PIERCE ENGINEERS DATED 07.22.2024.



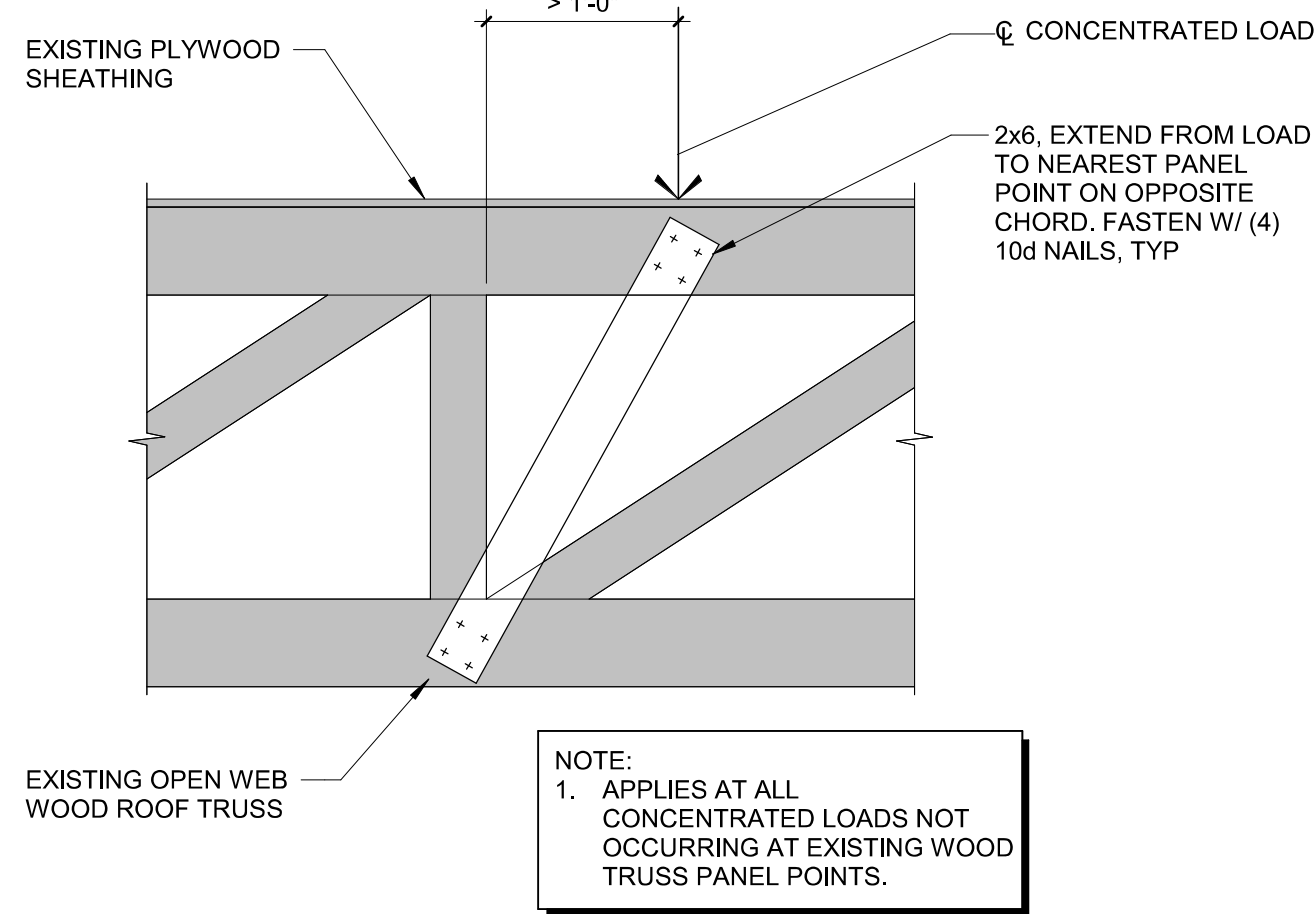
EQUIPMENT SUPPORT PLAN
1/4" = 1'-0"

ROOF FRAMING PLAN NOTES:

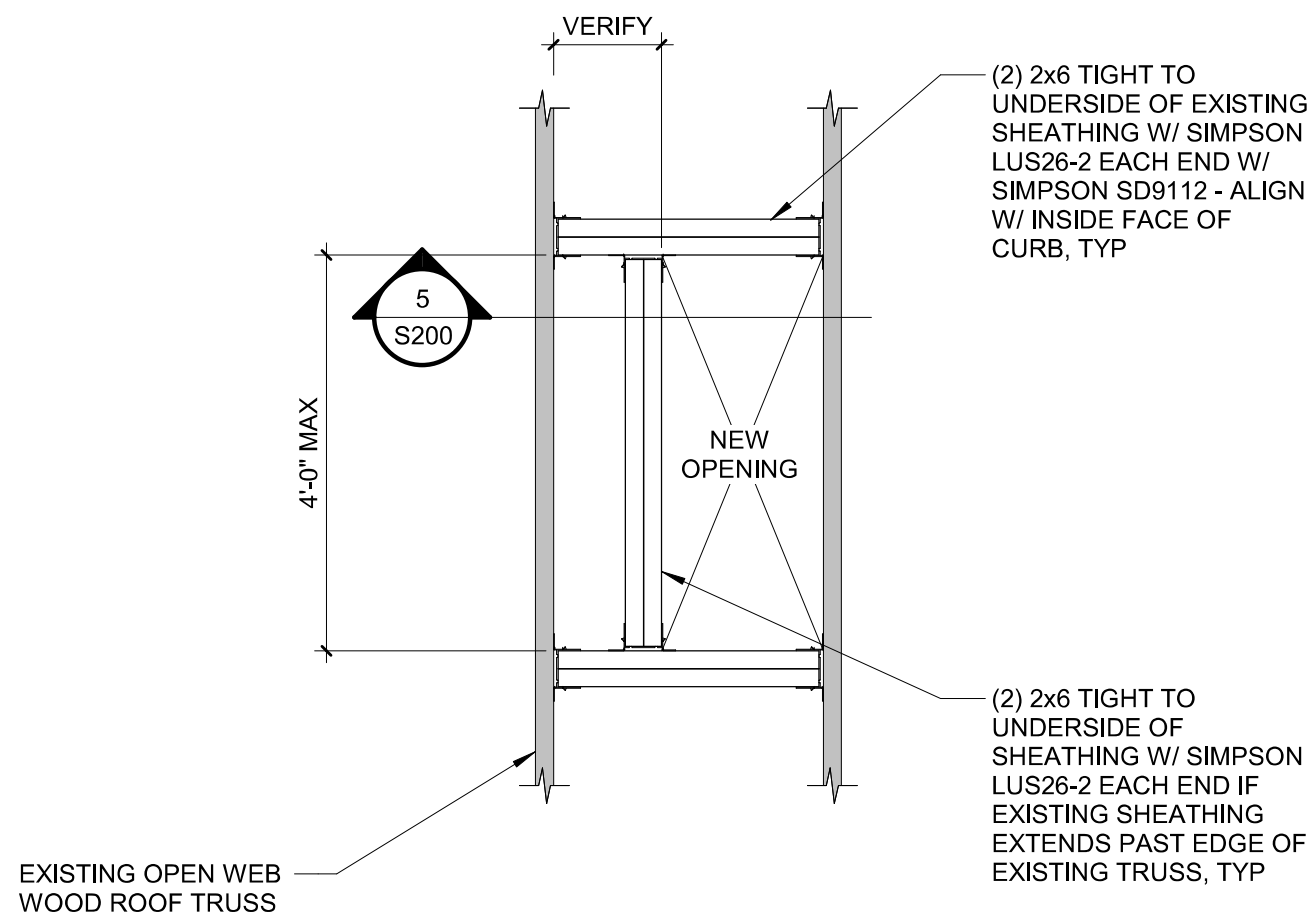
- FOR GENERAL STRUCTURAL NOTES SEE SHEET S000.
- CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, CONDITIONS, ETC PRIOR TO DEMOLITION, FABRICATION AND CONSTRUCTION
- FOR CONCENTRATED LOADS SUSPENDED FROM EXISTING ROOF TRUSSES SEE 3/S200.
- FOR ROOF DECK OPENINGS LARGER THAN 8" SEE 4/S200.
- THE LANDLORD SHELL ENGINEER AND TRUSS SUPPLIER TO DESIGN THE ROOF STRUCTURE TO ACCOMMODATE LOADS SHOWN.
- EXISTING STRUCTURAL INFORMATION IS BASED ON THE STRUCTURAL DRAWINGS PREPARED BY PIERCE ENGINEERS DATED 07.22.2024.



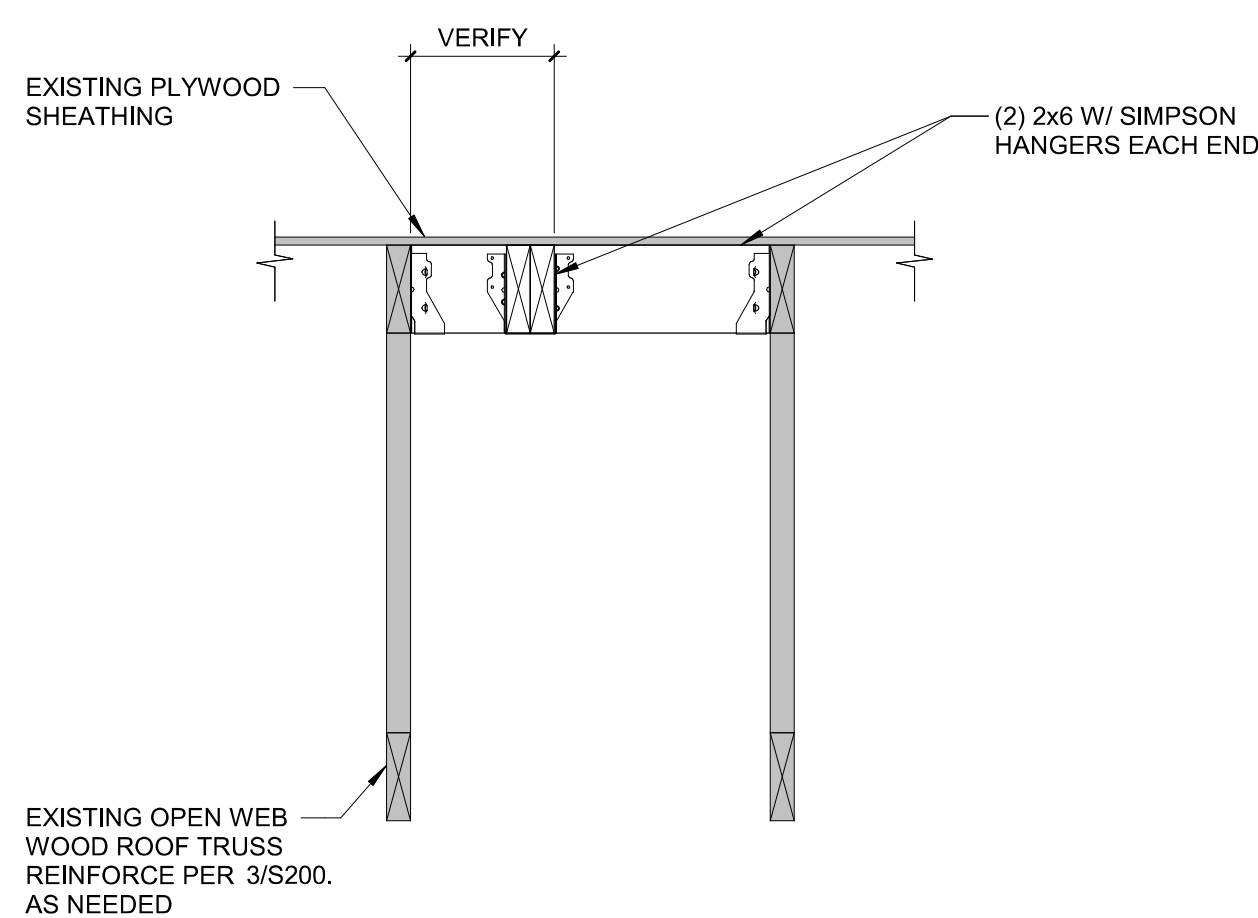
2 CU SUPPORT DETAIL
1" = 1'-0"



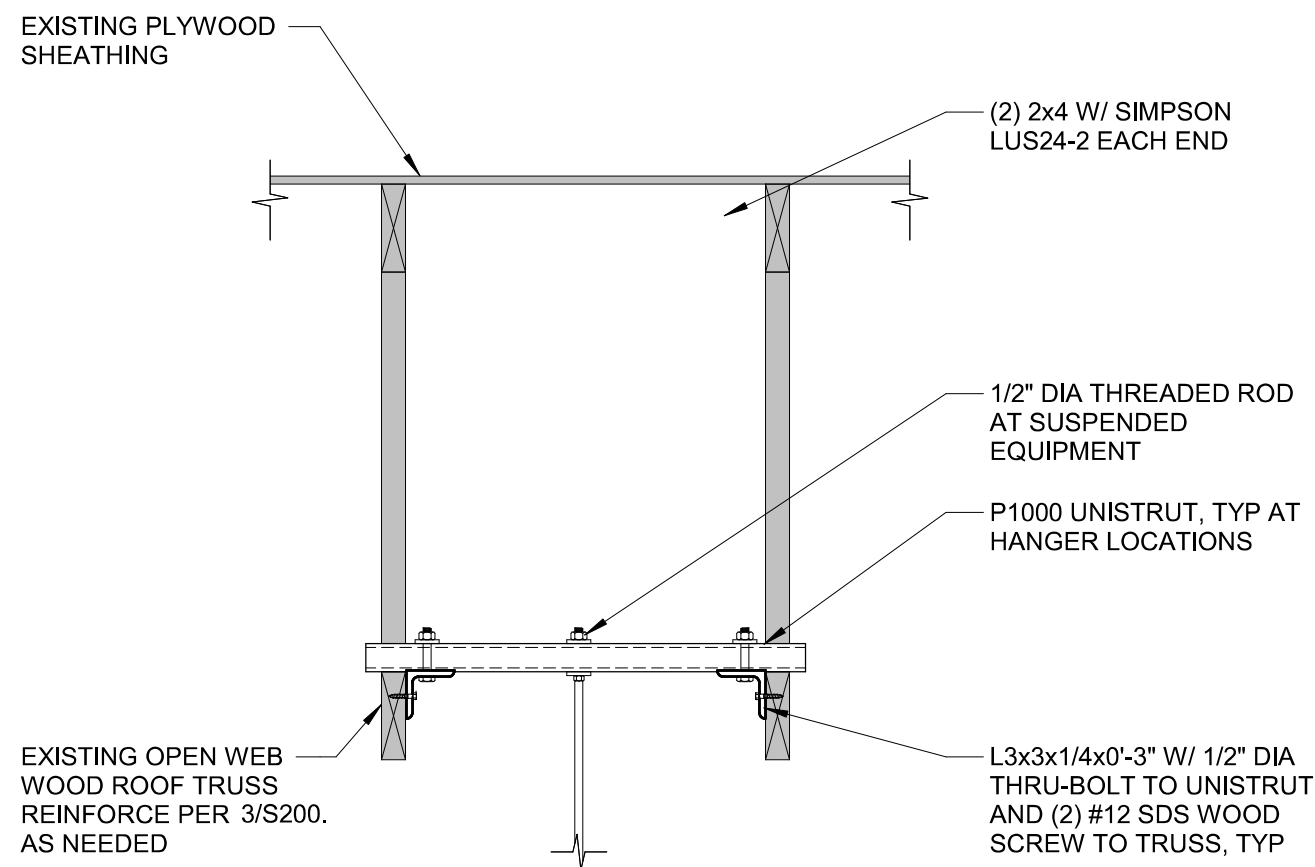
3 TRUSS CHORD REINFORCING DETAIL
1" = 1'-0"



4 ROOF FRAME DETAIL
3/4" = 1'-0"



5 ROOF FRAME DETAIL
1" = 1'-0"



6 SUSPENDED EQUIPMENT DETAIL
1" = 1'-0"

GENERAL NOTES APPLY TO HVAC SHEETS.

WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE AUTHORITY HAVING JURISDICTION, INCLUDING APPLICABLE SECTIONS OF NFPA, THE MECHANICAL CODE, AND ANY INTERIM AMENDMENTS AT THE TIME OF THE PROPOSAL. PURCHASE PERMITS ASSOCIATED WITH THE WORK OBTAIN INSPECTIONS REQUIRED BY CODE. SEE ARCHITECTURAL SHEETS FOR THE PREVAILING CODES.

CONTRACTOR AND SUBCONTRACTORS SHALL REVIEW A COMPLETE SET OF THE CONSTRUCTION DOCUMENTS.

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.

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.

DUCT DIMENSIONS ON PLANS INDICATE DIMENSIONS OF INTERNAL FREE AREA.

PERFORATED CEILING DIFFUSERS SHALL BE 4-WAY UNLESS NOTED OTHERWISE.

COORDINATE ROOF WORK WITH THE OWNER'S CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.

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 RADIUS ELBOWS WITH AN INSIDE RADIUS OF AT LEAST 1/2 THE WIDTH OF THE DUCT.

REPLACE AIR FILTERS WITH NEW, CLEAN MERV 8 AIR FILTERS AT TURNOVER.

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.

INSTALL LABELING CALLED FOR IN THE MECHANICAL DRAWINGS USING ENGRAVED PHENOLIC PLATES (WHITE WITH BLACK LETTERING) FURNISHED BY TSV.

PROVIDE P3000 1/2 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		
	APPLICATION	ALLOWABLE MATERIAL
DUCT		
	CONCEALED, GENERAL EXHAUST	RECT. OR ROUND AS SHOWN
	CONCEALED, RETURN	RECT. OR ROUND AS SHOWN, LINED OR INSULATED
	CONCEALED, SUPPLY	RECT. OR ROUND AS SHOWN, LINED OR INSULATED
	CONCEALED, TYPE I HOOD EXHAUST	RECTANGULAR 16 GA. BLACK IRON W/ WRAP OR UL 1978 FACTORY-MANUFACTURED DUCT W/ WRAP (SUBMIT SHOP DRAWINGS FOR FACTORY-MANUFACTURED DUCT PRIOR TO ORDERING FOR APPROVAL)
	EXPOSED GENERAL EXHAUST	RECTANGULAR, NO EXPOSED DUCT-SEALING MASTIC
	EXPOSED RETURN	RECTANGULAR, NO EXPOSED DUCT-SEALING MASTIC
	EXPOSED SUPPLY	RECT. LINED OR ROUND AS SHOWN, NO EXPOSED DUCT-SEALING MASTIC

(E)	EXISTING
ABV	ABOVE
ADA	AMERICANS WITH DISABILITIES ACT
ADD	ABOVE FINISHED GRADE
AFG	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
BOH	BACK OF HOUSE
CLG	CEILING
CTE	CONNECT TO EXISTING
DN	DOWN
EXT'G	EXISTING
FLR	FLOOR
FOH	FRONT OF HOUSE
GYP	GYPSUM BOARD
NTS	NOT TO SCALE
O/H	OVERHEAD
ODB	OPPOSED BLADE DAMPER
TYP	TYPICAL
U/G	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
VFD	VARIABLE FREQUENCY DRIVE
VSC	VARIABLE SPEED CONTROLLER
W/	WITH
WIC	WALK-IN COOLER

	CEILING DIFFUSER
	CEILING-MOUNTED RETURN OR EXHAUST REGISTER
	SUPPLY REGISTER
	RETURN GRILLE
	FLEXIBLE DUCT
	MITERED CORNER WITH TURNING VANES
	DUCTWORK INTERNAL FREE DIMENSIONS (WIDTH/HEIGHT)
	RECTANGULAR TO ROUND DUCT TRANSITION
	DUCT-MOUNTED SMOKE DETECTOR
	MOTOR-OPERATED DAMPER
	MANUAL VOLUME DAMPER
	GREASE DUCT CLEANOUT
	MITERED CORNER WITHOUT TURNING VANES
	GRIDPOINT THERMOSTAT
	GRIDPOINT ZONE SENSOR MODULE
	GRIDPOINT SUPPLY PROBE
	PLAN NOTE: SEE PLAN NOTES LISTED ON THE SAME SHEET FOR NOTE MEANING
	CONNECT TO EXISTING
	EQUIPMENT TAG: SEE EQUIPMENT SCHEDULE ON SHEET M600 FOR EQUIPMENT INFORMATION
	AUDIO/VISUAL REMOTE SMOKE DETECTOR ANNUNCIATOR WITH REMOTE KEY OPERATED RESET

SECTION 15732 - PACKAGED ROOFTOP AIR-CONDITIONING UNITS

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- Submittals: Product Data and Shop Drawings.
- Comply with ASHRAE 15.
- EER: Equal to or greater than prescribed by the energy code adopted by the Authority Having Jurisdiction.
- 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

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

- Install units level and plumb and firmly anchored.
- Connect gas piping to burner with pipe same size as gas train inlet, and provide union with sufficient clearance for burner removal and service.
- Install ducts to termination in roof mounting frames. Terminate ducts through roof structure.
- 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/G924
 - 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.
- D. Adhesive: ASTM C 916, Type I.
- E. Mechanical Fasteners: Galvanized steel pin, length as required to penetrate liner plus a 1/8 inch projection maximum into the airstream.
- F. Joint and Seam Tape: Comply with UL 181A.
- G. Joint and Seam Sealant: Comply with UL 181A.
- F. Rectangular Metal Duct Fabrication: Comply with SMACNA's "HVAC Duct Construction Standards" for metal thickness, reinforcing types and intervals, tie rod applications, and joint types and intervals.

- 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 submain, 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 is to supply a copy of the balance report to the Tenant, engineer and general contractor for review.

END OF SECTION 15855

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
2. Manufacturer: As scheduled (NO SUBSTITUTION)
3. Material: As scheduled.
4. Finish: As scheduled.
5. Mounting: As scheduled.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Coordinate location and installation with ductwork items.

B. Locate ceiling diffusers, registers, and grilles, as indicated, or otherwise indicated, locate units in center of room.

END OF SECTION 15855

Consultant:


NATIONAL
ENGINEERING

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Hilliard, Ohio 43026
Phone: (614) 751-9610
Fax: (614) 552-5240
Contact: Edgar Palma
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Epalma@nationalengineering.com

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CONSTRUCTION**

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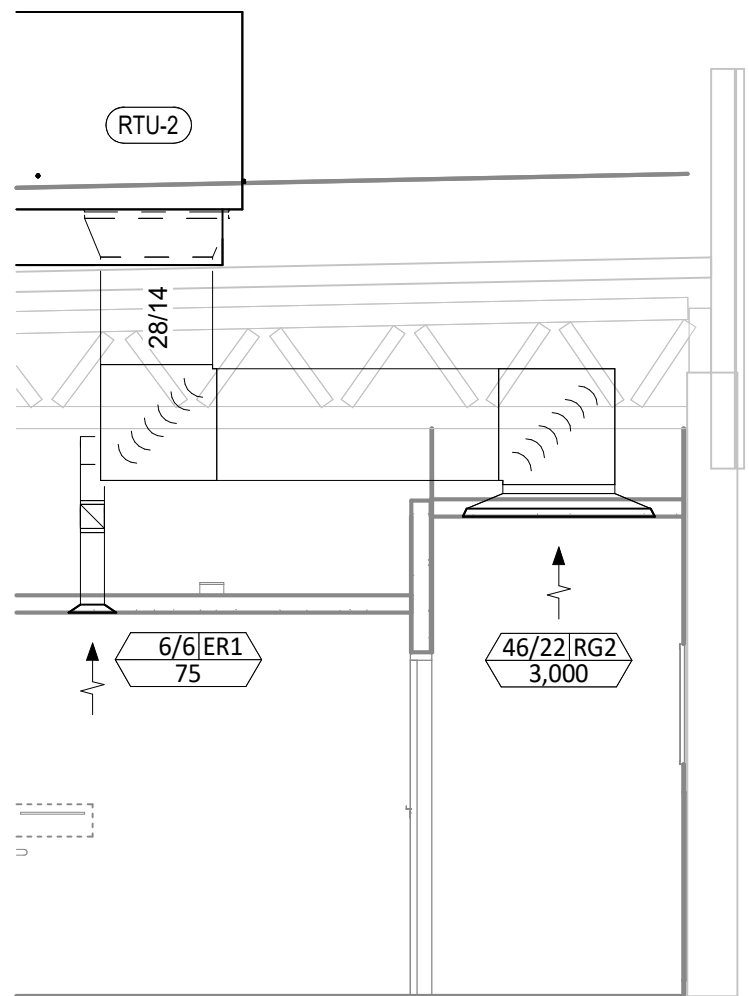
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Contents:	

HVAC SPECIFICATIONS

M010

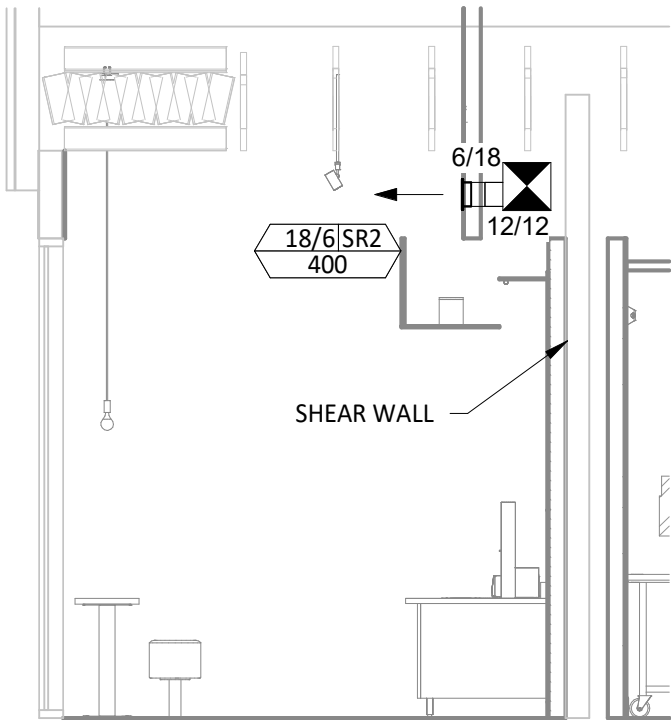
HVAC PLAN NOTES

- SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING MOUNTED EQUIPMENT LOCATION. TYPICAL.
- PAINT DUCTWORK VISIBLE THROUGH DINING ROOM SUPPLY REGISTERS BLACK. TYPICAL.
- 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.
- 28/14 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.
- 14/28 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.
- 28/24 DUCT UP FROM BUILDING SUPPLY THROUGH ROOF. TRANSITION TO RTU-1 SUPPLY CONNECTION IN ROOF CURB.
- 18/26 DUCT UP FROM BUILDING SUPPLY TO RTU-2 SUPPLY CONNECTION. TRANSITION IN ROOF CURB.
- 14/14 DUCT UP THROUGH ROOF. TRANSITION TO MAU-1 SUPPLY CONNECTION IN ROOF CURB.
- 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.
- 8/6 DUCT UP THROUGH ROOF TO EF-2.
- 28/6 DUCT DOWN TO MAKEUP AIR PSP DUCT CONNECTION. TRANSITION TO SUPPLY PLENUM OPENING SIZE. TYPICAL FOR 3.
- 8" DIA. DUCT DOWN TO AC PSP DUCT CONNECTION. TRANSITION TO SUPPLY PLENUM OPENING SIZE. TYPICAL. CAP UNUSED DUCT CONNECTIONS.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.



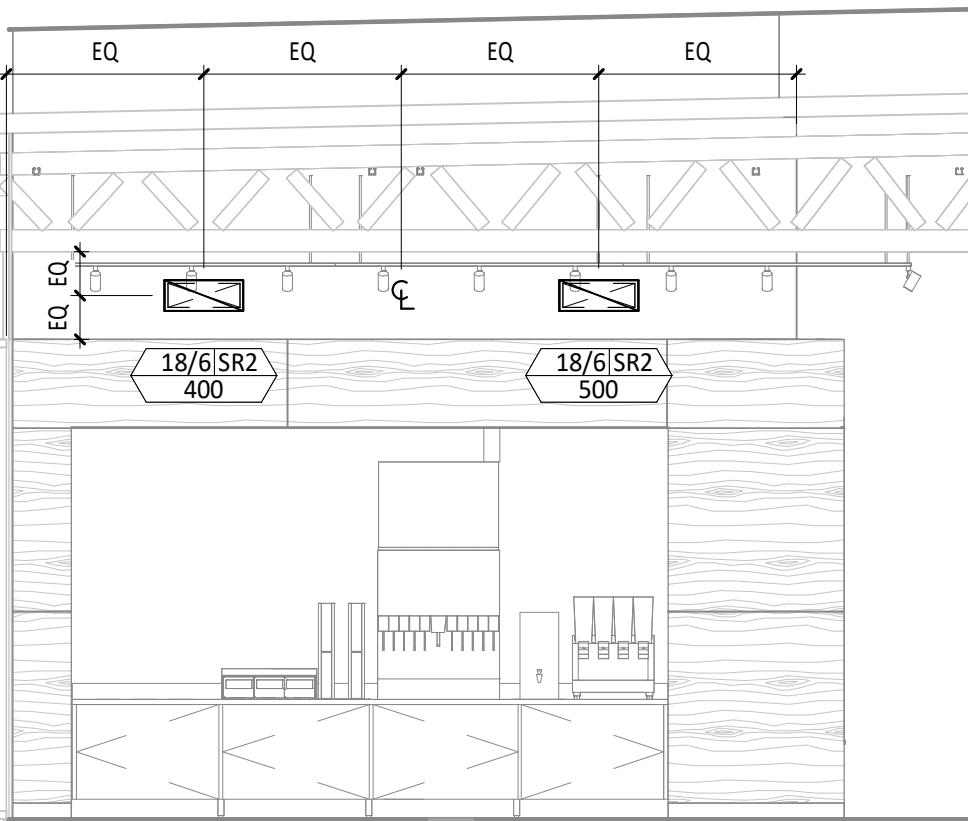
HVAC DINING ROOM RETURN SECTION

1/4" = 1'-0"



HVAC DINING ROOM SECTION

1/4" = 1'-0"

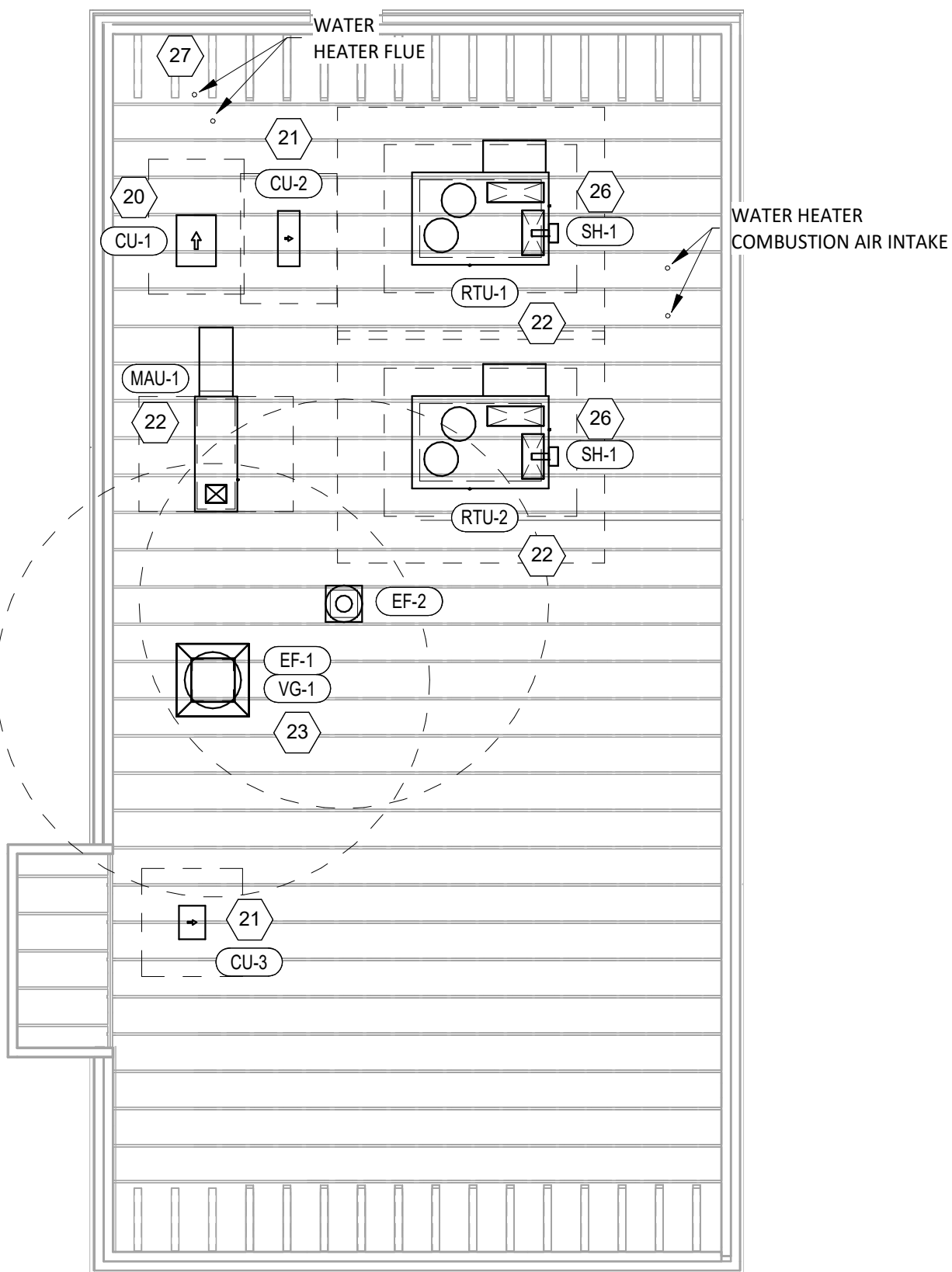


HVAC DINING ROOM SECTION

1/4" = 1'-0"

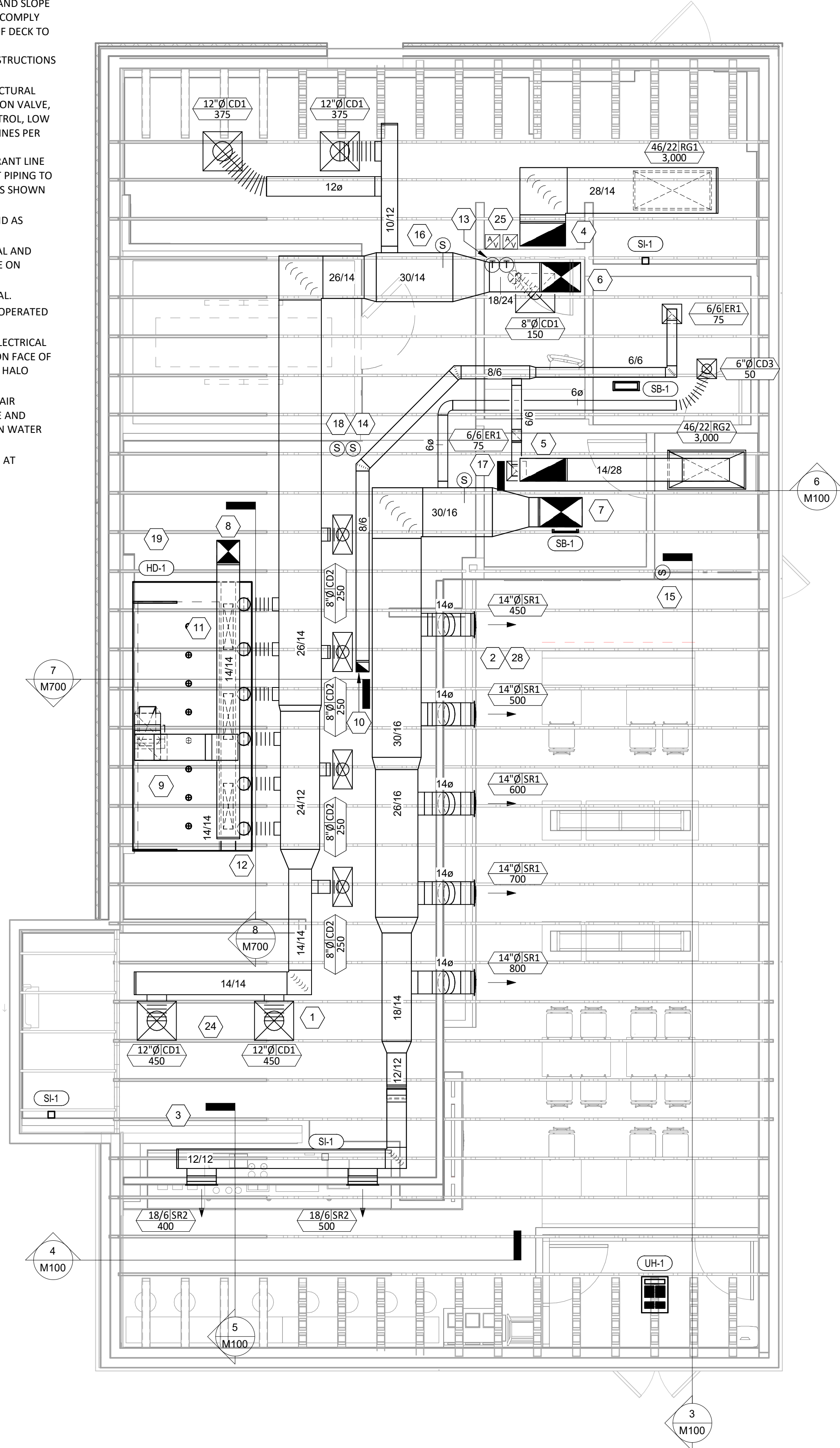
HVAC PLAN NOTES

- 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.
- 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.
- 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.
- INSTALL ROOFTOP EQUIPMENT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- 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.
- PROVIDE SUPPLY DIFFUSER CONNECTION TO SUPPLY SYSTEM PER DETAIL 1/M700. TYPICAL.
- PROVIDE AUDIO/VISUAL REMOTE SMOKE DETECTOR ANNUNCIATOR WITH REMOTE KEY OPERATED RESET. WIRE A UNIT BACK TO EACH SMOKE DETECTOR. MOUNT UNIT 60" AFF. TYPICAL.
- 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.
- 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.
- 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.



HVAC ROOF PLAN

1/8" = 1'-0"



HVAC FLOOR PLAN

1/4" = 1'-0"

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HVAC PLAN

M100

VIROGUARD SCHEDULE							
TAG	COUNT	DESCRIPTION	DUCT CONNECTION SIZE	FAN	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN MANUFACTURER
VG-1	1	VIROGUARD HOOD EXHAUST FAN ROOFTOP CONTAINMENT SYSTEM	16" X 16"	CAPTIVE-AIRE DU180HFA	TDC	GC	ENVIROMATIC

SANITIZING EQUIPMENT SCHEDULE

TAG	COUNT	DESCRIPTION	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
					MANUFACTURER	MODEL	
SB-1	2	BATHROOM AIR PURIFICATION UNIT	TUV	GC	RGF ENVIRONMENTAL GROUP	BRU ASSEMBLY	SEE ELECTRICAL SHEETS FOR CONNECTION INFORMATION
SH-1	2	HVAC AIR PURIFICATION UNIT	TUV	GC	RGF ENVIRONMENTAL GROUP	REME-HALO	SEE DETAIL 6/M700 FOR INSTALLATION INFORMATION.
SI-1	3	ICE MACHINE TREATMENT SYSTEM	TUV	GC	RGF ENVIRONMENTAL GROUP	IMS-B-GA	SEE PLUMBING DRAWINGS FOR INSTALLATION INFORMATION.

UNIT HEATER SCHEDULE

TAG	DESCRIPTION	MOUNTING	ELECTRICAL		FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
			POWER	V/P/H			MANUFACTURER	MODEL	
UH-1	CEILING-MOUNTED UNIT HEATER	CEILING	3 kW	208/1/60	GC	GC	INDEECO	931U04000V	FURNISHED WITH WHITE FINISH, DISCONNECT SWITCH, AND BUILT-IN TAMPERPROOF THERMOSTAT FOR RECESSED MOUNTING

AIR TERMINAL SCHEDULE

TAG	DESCRIPTION	FACE SIZE	MATERIAL	FINISH	MOUNTING	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		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	12" X 12"	ALUMINUM	WHITE	SURFACE MOUNT	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 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

FAN SCHEDULE

TAG	DESCRIPTION	AIRFLOW	E.S.P.	WEIGHT	ELECTRICAL		FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
					MOTOR POWER	V/P/H			MANUFACTURER	MODEL	
EF-1	UPBLAST UL762 EXHAUST FAN	2,550 CFM	1.20 in-wg	400 lb	2 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	DOWNBLAST RESTROOM EXHAUST FAN	150 CFM	0.60 in-wg	100 lb	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

CONDENSING UNIT SCHEDULE

TAG	DESCRIPTION	NOMINAL CAPACITY	NUMBER OF		REFRIGERANT		WEIGHT	ELECTRICAL			FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
			COMPRESSORS	CIRCUITS	TYPE	CHARGE		MOCP	FLA	V/P/H			MANUFACTURER	MODEL	
CU-1	CONDENSING UNIT - WALK-IN COOLER		1	1	R-404A	10.4 lb	250 lb	15 A	9 A	208/3/60	WCS	GC	HARFORD	KPCL99MZOP-3E	FURNISHED WITH WALK-IN COOLER
CU-2	REMOTE CONDENSER - LOW CAPACITY ICE MAKER		0	1	R-404A	11.46 lb	100 lb			120/1/60	KES	GC	HOSHIZAKI	URC-9FZ	FURNISHED WITH ICE MAKER
CU-3	REMOTE CONDENSER - SODA MACHINE ICE MAKER		0	1	R-404A	3.86 lb	100 lb			120/1/60	KES	GC	HOSHIZAKI	URC-5FZ	FURNISHED WITH ICE MAKER

MAKEUP AIR UNIT SCHEDULE

TAG	DESCRIPTION	AIRFLOW	E.S.P.	HEATING			WEIGHT	ELECTRICAL		FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
				INPUT	OUTPUT	EAT		MOTOR POWER	V/P/H			MANUFACTURER	MODEL	
MAU-1	DIRECT-FIRED MAKEUP AIR UNIT	1,300 CFM	0.50 in-wg	225,000 Btu/h	220,000 Btu/h	21 °F	650 lb	1 hp	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 HOOD SCHEDULE

TAG	DESCRIPTION	MAX COOKING TEMP.	EXHAUST PLENUM								PERFORATED SUPPLY PLENUMS								NO. OF LIGHT FIXTURES	WEIGHT	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
			AIRFLOW	E.S.P.	DUCT COLLARS			LENGTH	WIDTH	LENGTH	WIDTH	AIRFLOW	MAU PLENUM			AIRFLOW	AC PLENUM								
					NO.	WIDTH	LENGTH						NO.	WIDTH	LENGTH		NO.	DIAMETER							
HD-1	TYPE I CANOPY HOOD WITH PERFORATED MAU AND AC SUPPLY PLENUMS	600 °F	2,550 CFM	0.97 in-wg	1	10"	2' - 0"	12' - 9"	4' - 3"	13' - 9"	1' - 7"	1,300 CFM	3	6"	2' - 4"	700 CFM	6	8"	8	1,150 lb	HS	GC	CAPTIVE-AIRE	5424 ND-2-ACPS-P	MAT'L: 18 GA. TYPE 430 SS. FURNISHED WITH VERTICAL END PANELS, 24V GAS VALVE, 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

TAG	DESCRIPTION	NOMINAL CAPACITY	EER	AIRFLOW			NET COOLING CAPACITY				HEATING CAPACITY			NUMBER OF		REFRIGERANT		WEIGHT	ELECTRICAL			FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS	
				TOTAL	OA	E.S.P.	TOTAL	SENSIBLE	EAT		INPUT	OUTPUT	EAT	COMPRESSORS	CIRCUITS	TYPE	CHARGE		MOCP	FLA	V/P/H			MANUFACTURER	MODEL		
									DB	WB																	COND. EAT
RTU-1	KITCHEN ROOFTOP UNIT	10 ton	11	3,500 CFM	500 CFM	0.80 in-wg	114,000 Btu/h	68,000 Btu/h	75 °F	66 °F	94 °F	250,000 Btu/h	205,000 Btu/h	58 °F	2	1	R-410A	15.2 lb	1,500 lb	60 A	51 A	208/3/60	HES	GC	CARRIER	48FC_N12	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	KITCHEN ROOFTOP UNIT	10 ton	11	4,000 CFM	1,000 CFM	0.80 in-wg	120,000 Btu/h	68,000 Btu/h	77 °F	68 °F	94 °F	250,000 Btu/h	205,000 Btu/h	50 °F	2	1	R-410A	15.2 lb	1,500 lb	60 A	51 A	208/3/60	HES	GC	CARRIER	48FC_N12	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

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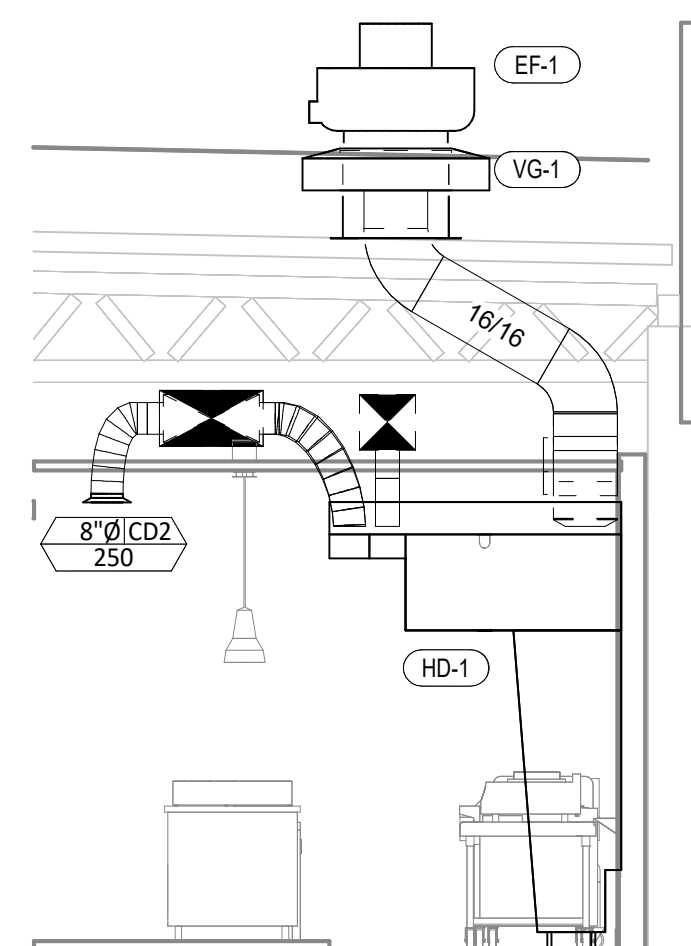
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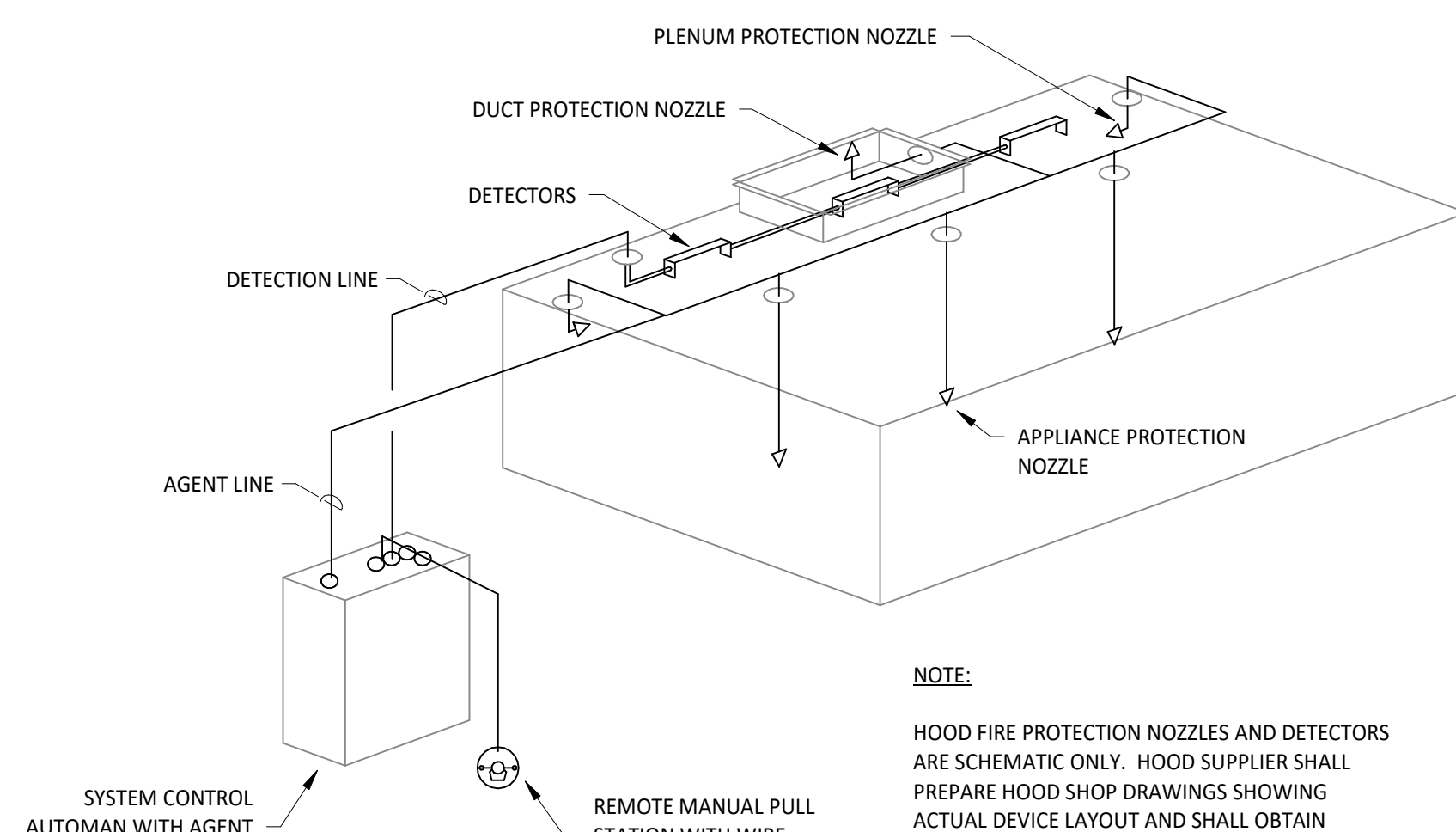
M600



7
M700

DUCT SECTION AT HOOD

1/4" = 1'-0"



NOTE:

HOOD FIRE PROTECTION NOZZLES AND DETECTORS ARE SCHEMATIC ONLY. HOOD SUPPLIER SHALL PREPARE HOOD SHOP DRAWINGS SHOWING ACTUAL DEVICE LAYOUT AND SHALL OBTAIN PERMITS ASSOCIATED WITH THIS WORK.

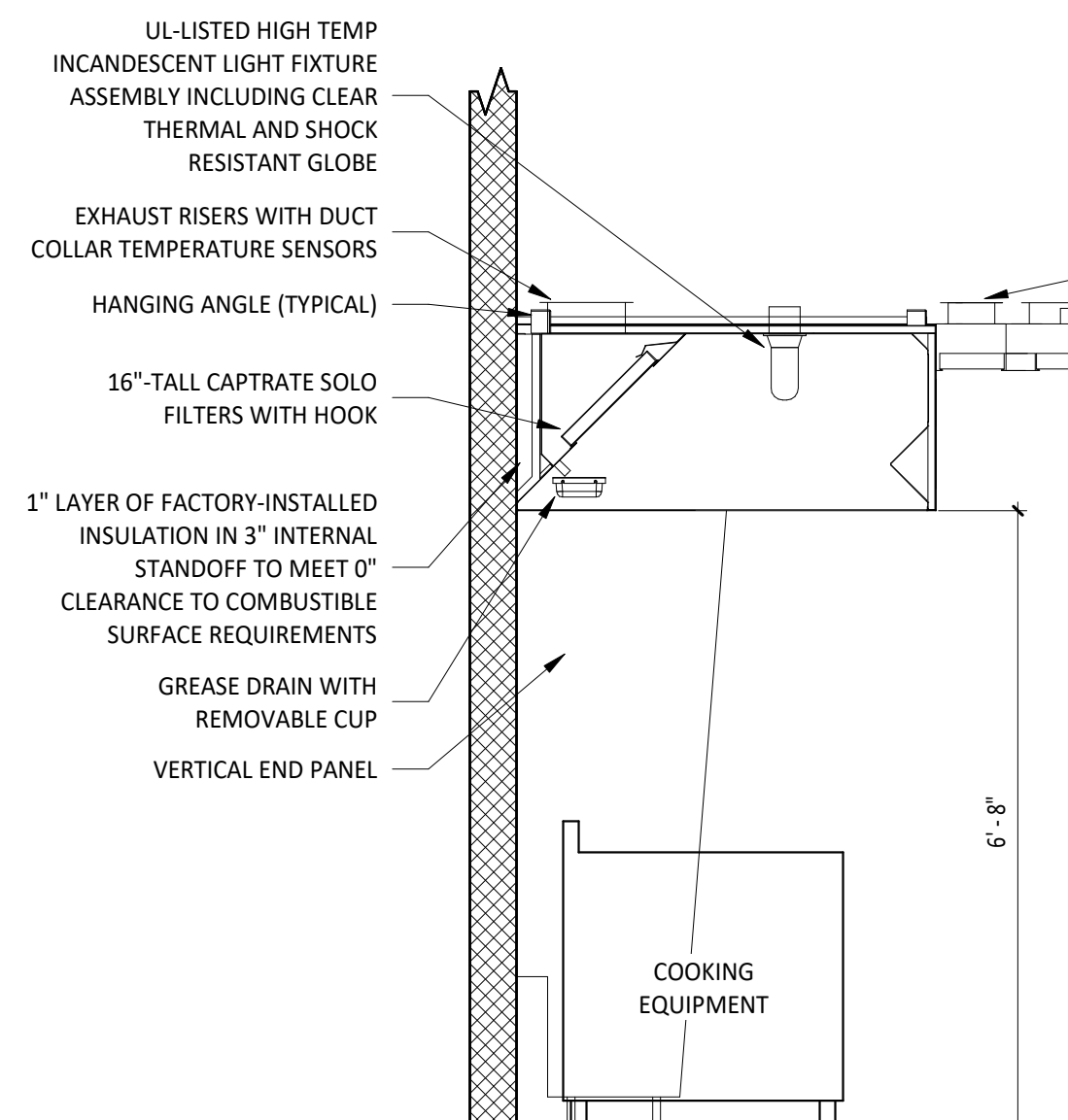


Diagram illustrating the installation of a 90-degree elbow flex duct. The diagram shows a supply duct connected to a 90-degree elbow flex duct, which is supported by a metal clamp and a ceiling diffuser. The elbow flex duct is labeled "INSULATED FLEXIBLE DUCT 6'-0" MAX". The support is labeled "PROVIDE THERMAFLEX 90° ELBOW FLEX DUCT SUPPORT". The diffuser is labeled "CEILING DIFFUSER PROVIDE SQUARE TO ROUND ADAPTOR AS NEEDED". The supply duct is labeled "SUPPLY DUCT". The collar is labeled "SPIN-IN COLLAR WITH MANUAL VOLUME DAMPER". The structure above is labeled "STRUCTURE ABOVE". The distance from the supply duct to the elbow is labeled "1'-6" MIN". The diagram also includes a reference to architectural drawings for ceiling type: "REFER TO ARCHITECTURAL DWGS. FOR CEILING TYPE".

DIFFUSER CONNECTION

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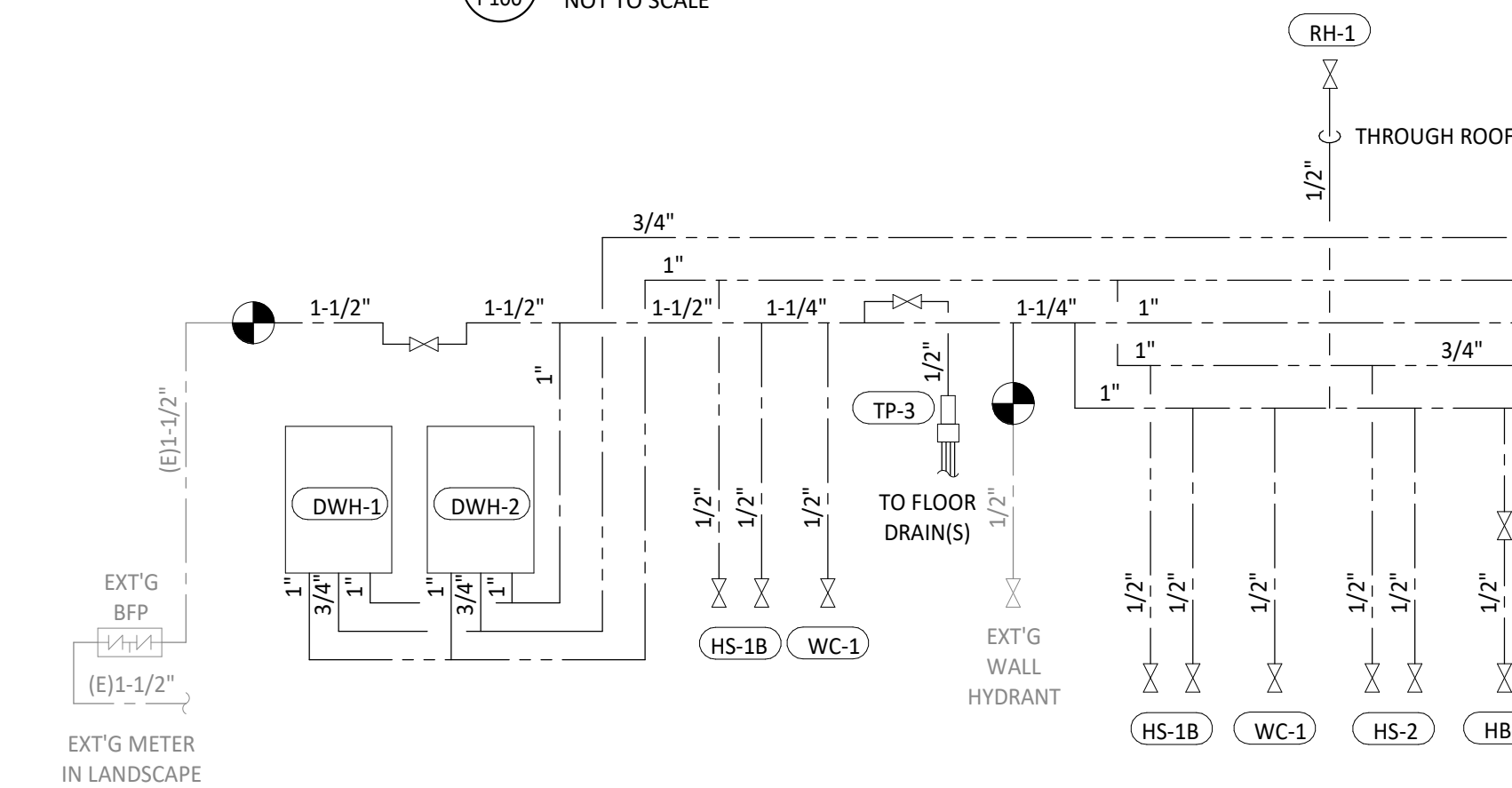
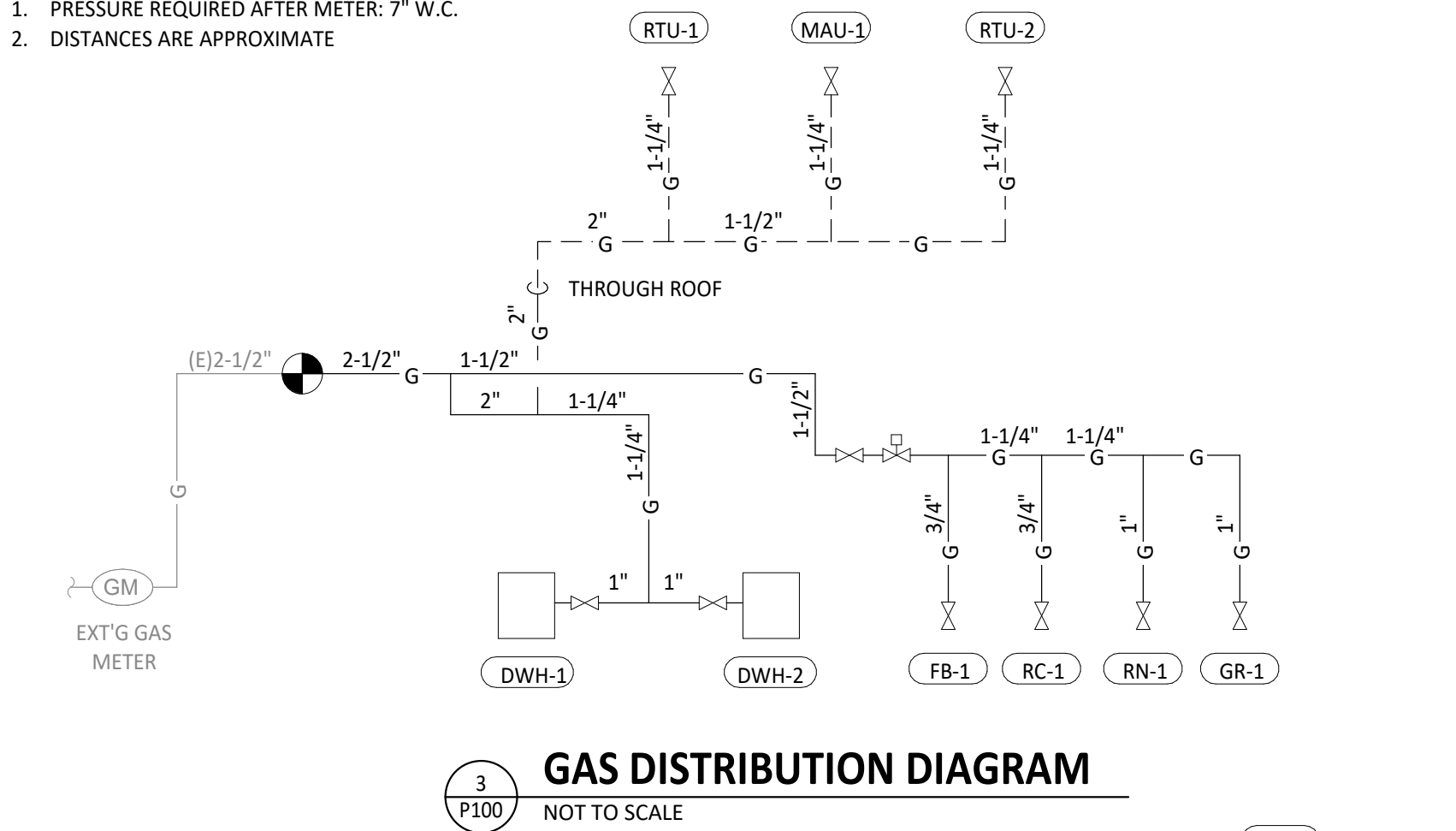
PLUMBING SUPPLY PLAN NOTES

- 1
- CONNECT TO THE EXISTING 1-1/2" DOMESTIC WATER SERVICE LEADING TO EXISTING BACKFLOW PREVENTER WITHIN THE SPACE.
- 2
- 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.
- 3
- PROVIDE WATER HEATERS DWH-1 AND DWH-2 PER DETAIL 1/P700.
- 4
- 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.
- 5
- 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.
- 6
- PROVIDE DOMESTIC WATER ROUGH-INS FOR THE MOP BASIN FAUCET AT 36" AFF. PROVIDE DOMESTIC WATER ROUGH-INS FOR THE CHEMICAL DISPENSER FAUCET (HB-1) AT 64" AFF DIRECTLY ABOVE THE MOP BASIN FAUCET. SEE ARCHITECTURAL ELEVATION FOR ADDITIONAL INFORMATION.
- 7
- CONNECT TO THE EXISTING GAS PIPE IN THE SPACE
- 8
- PROVIDE GAS CONNECTIONS TO THE COOKING EQUIPMENT PER DETAIL 7/P700.
- 9
- SUPPORT THE GAS PIPE ON THE ROOF PER DETAIL 5/P700. WOOD BLOCKING IS NOT AN ACCEPTABLE METHOD OF SUPPORTING THE GAS PIPE.
- 10
- PROVIDE ACCESSIBLE LINE-SIZED GAS VALVE, DIRT LEG, AND UNION AT GAS CONNECTION TO THE EQUIPMENT.
- 11
- REFER TO ARCHITECTURAL DRAWINGS FOR PAINTING OF INTERIOR AND EXTERIOR EXPOSED GAS PIPE.
- 12
- PROVIDE DOMESTIC WATER ROUGH-INS FOR THE CHEMICAL DISPENSER FAUCET (HB-1) AT 52" AFF. SEE ARCHITECTURAL ELEVATION FOR ADDITIONAL INFORMATION.
- 13
- PROVIDE DOMESTIC WATER ROUGH-INS FOR THE VICTORY WASH DISPENSER FAUCET (HB-2) AT 52" AFF. SEE ARCHITECTURAL ELEVATION FOR ADDITIONAL INFORMATION.
- 14
- PROVIDE RESTROOM HAND SINK WALL CARRIER IN WALL PER PLUMBING SCHEDULE. INSTALL THERMOSTATIC MIXING VALVE FURNISHED WITH HAND SINK FAUCET SECURED TO WALL BELOW HAND SINK. ALL HAND SINK PIPING AND ACCESSORIES SHALL BE FULLY CONTAINED DIRECTLY BELOW HAND SINK.
- 15
- PROVIDE KITCHEN EQUIPMENT GAS SHUTOFF 6" BELOW THE CEILING PER DETAIL 4/P700.
- 16
- CONNECT CHEMICAL DISPENSER TO HB-1. CHEMICAL DISPENSER HAS AN INTEGRAL AIR GAP AS IS SHOWN IN DETAIL 10/P700.



PLUMBING GAS CONNECTIONS				
TAG	DESCRIPTION	CONNECTION SIZE	EQUIVALENT LENGTH	INPUT
DWH-1	WATER HEATER (GAS TANKLESS)	3/4"	65'	199,000 Btu/h
DWH-2	WATER HEATER (GAS TANKLESS)	3/4"	65'	199,000 Btu/h
FB-1	GAS FRYER	3/4"	85'	90,000 Btu/h
GR-1	GAS GRIDDLE	3/4"	95'	110,000 Btu/h
MAU-1	DIRECT-FIRED MAKEUP AIR UNIT	1/2"	70'	225,000 Btu/h
RC-1	RICE COOKER	3/4"	90'	33,000 Btu/h
RN-1	6 BURNER RANGE	3/4"	95'	192,000 Btu/h
RTU-1	KITCHEN ROOFTOP UNIT	3/4"	55'	250,000 Btu/h
RTU-2	KITCHEN ROOFTOP UNIT	3/4"	70'	250,000 Btu/h
GRAND TOTAL			MAX: 95'	1,548,000 Btu/h

- NOTES:
- PRESSURE REQUIRED AFTER METER: 7" W.C.
 - DISTANCES ARE APPROXIMATE

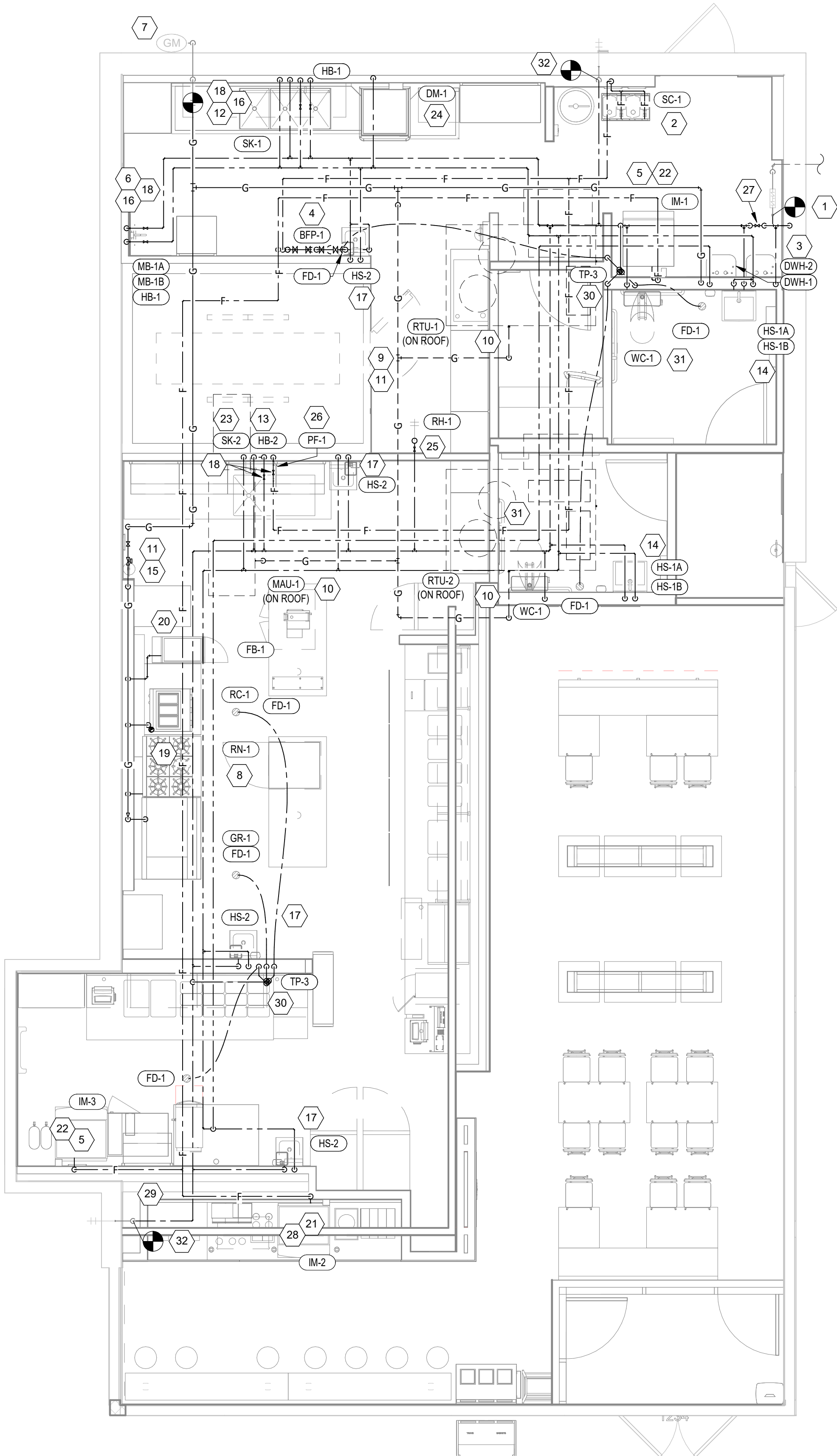


PLUMBING SUPPLY PLAN NOTES

- 17
- PROVIDE ASSE 1016/1070 POINT-OF-USE THERMOSTATIC MIXING VALVE, WATTS LFUSG-B, 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.
- 18
- PROVIDE ACCESSIBLE VALVE IN WATER SUPPLY TO FIXTURE AS SHOWN.
- 19
- PROVIDE GAS CONNECTION TO THE RICE COOKER PER DETAIL 6/P700.
- 20
- PROVIDE GAS ROUGH-IN TO FRYER BEHIND RICE COOKER TABLE SO THAT VALVES AND DIRT LEG ARE ACCESSIBLE ONCE FRYER IS SECURED INTO PLACE.
- 21
- 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.
- 22
- INSTALL RGF IMSB ICE MAKER SANITIZER FURNISHED BY TUV PER CHIPOTLE'S INSTALLATION INSTRUCTIONS.
- 23
- 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.
- 24
- PROVIDE 1/2" HOT WATER TO THE DISH MACHINE AT 66" AFF ABOVE LEFT SIDE OF DISH MACHINE, MAKING FINAL CONNECTION USING HOSE FURNISHED WITH DISH MACHINE. PROVIDE WATER HAMMER ARRESTOR ON HOT WATER LINE.
- 25
- 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.
- 26
- PROVIDE FILTERED DOMESTIC WATER ROUGH-IN FOR THE SPEED FILL POT FILLER FAUCET (PF-1) AT 40" AFF. SEE ARCHITECTURAL ELEVATION FOR DETAIL.
- 27
- PROVIDE AN ACCESSIBLE MAIN DOMESTIC WATER SHUTOFF VALVE ABOVE LAY-IN CEILING AS SHOWN. VALVE SHALL BE 12" ABOVE THE TOP OF THE LAY-IN CEILING. PERMANENTLY INSTALL THE "WATER SHUTOFF" SIGN TO THE CEILING GRID BELOW THE VALVE.
- 28
- 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.
- 29
- 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.
- 30
- 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)
- 31
- REPLACE STOCK WATER CLOSET HANDLE WITH UNIVERSAL CABLE-OPERATED HANDLE (FLUSHMATE AP300503 OR AP300504 - FIELD VERIFY COMPATIBILITY WITH FLUSHMATE SYSTEM)
- 32
- CONNECT TO EXISTING WALL HYDRANT AS SHOWN.

PLUMBING FIXTURE SUPPLY CONNECTIONS

ROUGH-IN TYPE KEY		32 CONNECT TO EXISTING WALL HYDRANT AS SHOWN.								
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 WMSOF 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	CONNECTION SIZE		ROUGH-IN TYPE	WSFU			COUNT	TOTAL WSFU	
		CW	HW		CW	HW	TOTAL			
BFP-1	RPZ BACKFLOW PREVENTER	1/2"		DIRECT	1	0	1	1	1	
DM-1	DISH SANITIZING MACHINE (PUMPED OUTLET)	0"	1/2"	HOSE 1/2"	0	5	5	1	5	
ET-1	EXPANSION TANK	3/4"		DIRECT	0		0	1	0	
HB-1	CHEMICAL DISPENSER HOSE BIB	1/2"	1/2"	MIP	2	2	3	2	6	
HB-2	VEGETABLE WASH HOSE BIB	1/2"		MIP	3		3	1	3	
HS-1B	RESTROOM HAND SINK FAUCET	1/2"	1/2"		0.5	0.5	1	2	2	
HS-2	KITCHEN HAND SINK	1/2"	1/2"	ANGLE 3/8"	1	1	1.5	4	6	
IM-1	ICE MAKER - BOH	1/2"		HOSE 1/2"	0.5		0.5	1	0.5	
IM-2	ICE MAKER - SODA	1/2"		HOSE 1/2"	0.5		0.5	1	0.5	
IM-3	ICE MAKER - SODA	1/2"		HOSE 1/2"	0.5		0.5	1	0.5	
MB-1B	MOP SINK FAUCET	1/2"	1/2"	MIP	2	2	3	1	3	
PF-1	SPEED FILL FAUCET	3/8"		MIP	3		3	1	3	
RH-1	FREEZE PROOF ROOF HYDRANT	3/4"		DIRECT	4		4	1	4	
SC-1	BAG-IN-BOX SODA RACK WITH CARBONATORS	1/2"		ANGLE 3/8"	0.5		0.5	1	0.5	
SK-1	THREE COMPARTMENT SINK	1/2"	1/2"	ANGLE 1/2"	2	2	3	1	3	
SK-2	PREP SINK	3/4"	3/4"	ANGLE 3/4"	2	2	3	1	3	
TP-3	TRAP PRIMER (THREE-FOUR FLOOR DRAINS)	1/2"		DIRECT	0		0	2	0	
WC-1	WATER CLOSET	1/2"		ANGLE 3/8"	3		3	2	6	
GRAND TOTAL									47	



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12/20/2024 CONSTRUCTION SET

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Drawn: Checked:

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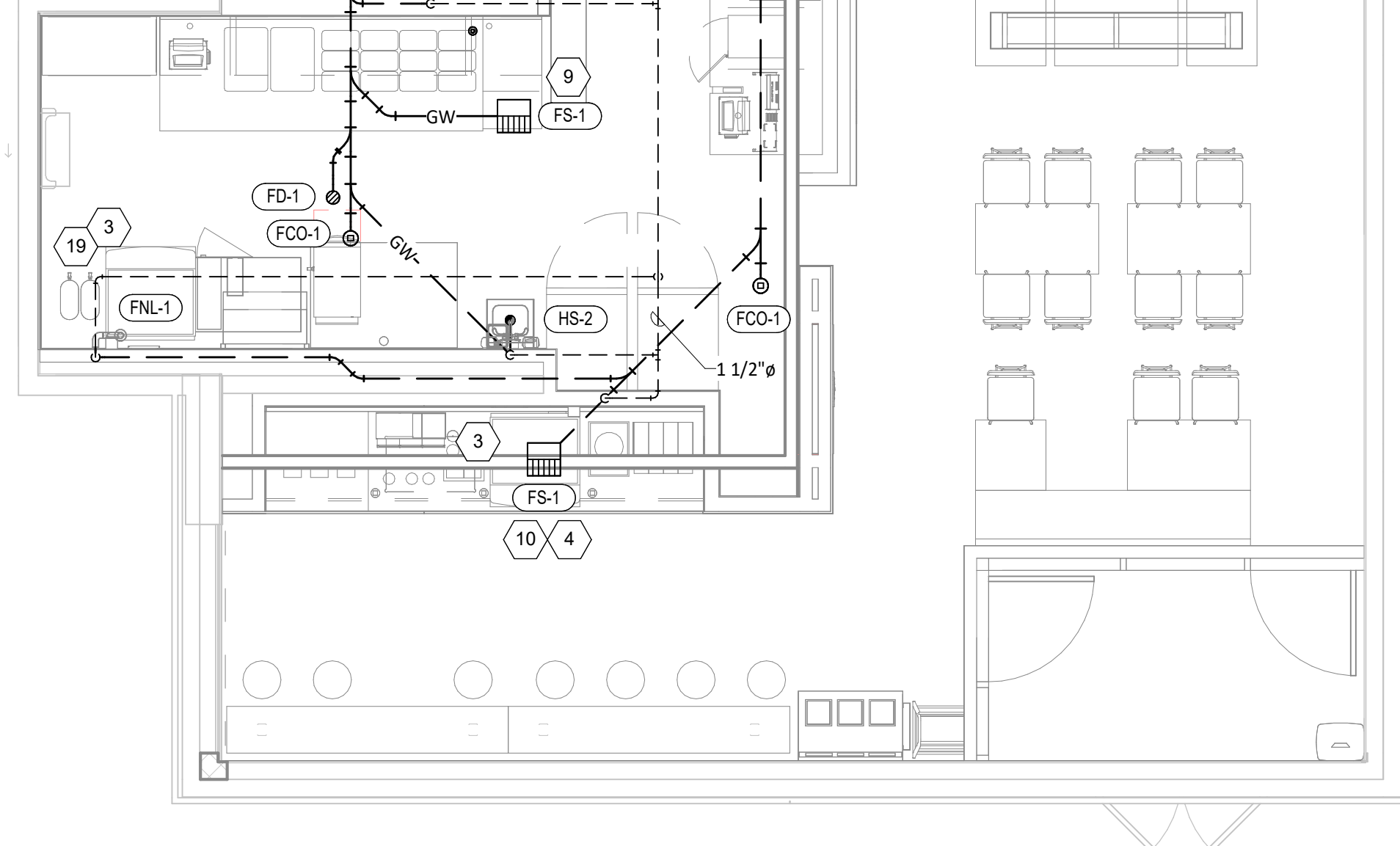
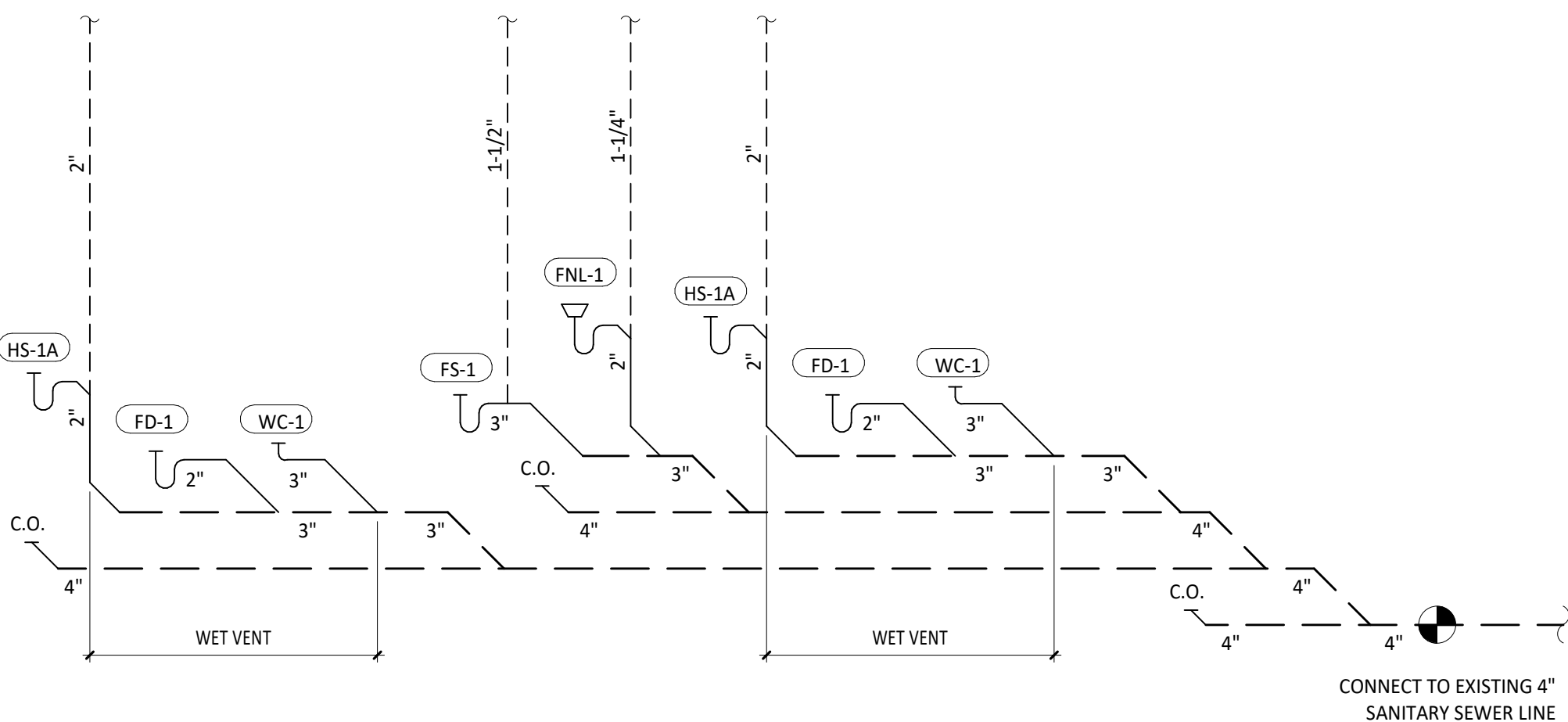
Contents:

PLUMBING PLAN
WATER & GAS

P100

- 1 PROVIDE 3/4" CONDENSATE DRAIN FROM THE WALK-IN COOLER EVAPORATOR TO THE MOP SINK AS
2 SHOWN. SLOPE CONDENSATE DRAIN A MINIMUM OF 1" PER FOOT. HOLD EXPOSED CONDENSATE
3 DRAIN IN WALK-IN COOLER AS HIGH AS POSSIBLE. CONCEAL DRAIN PIPING WITHIN FRAMED WALLS AS
4 SHOWN. DISCHARGE THROUGH AN AIR GAP. MAKE FINAL CONNECTION TO EVAPORATOR INSIDE
5 WALK-IN COOLER USING A UNION. CONDENSATE DRAIN SHOULD PENETRATE WALL AT POINT OF
6 DISCHARGE AT 8" AFF.
- 7 PROVIDE DRAIN CONNECTIONS TO THE THREE COMPARTMENT SINK PER DETAIL 2/P700.
- 8 COORDINATE ROUTING OF SODA BUNDLES WITH COCA-COLA TECHNICIAN FROM BAG-IN-BOX AREA
9 TO EACH SODA FOUNTAIN. OTHER THAN WITHIN THE WALLS DOWN TO THE DRYER BOX THE SODA
10 BUNDLE SHALL BE ROUTED OVERHEAD WITHOUT CONDUIT. COORDINATE SUPPORT AND ROUTING OF
11 THE SODA LINE BUNDLES WITH COCA-COLA TECHNICIAN DURING ROUGH IN AND PROVIDE NECESSARY
12 SUPPORTS. SEE ARCHITECTURAL DRAWINGS FOR SODA BUNDLE TERMINATION LOCATION AND
13 PROVIDE TERMINATION PER DETAIL 12/P700.
- 14 PROVIDE PVC DRAIN PIPES FROM THE ICE MACHINE TO THE FLOOR SINK PER THE MANUFACTURER'S
15 INSTALLATION INSTRUCTIONS. PROVIDE A CODE-APPROVED AIR GAP AT THE DISCHARGE TO
16 THE FLOOR SINK. SECURE ICE MAKER DRAIN PIPES TO THE BOTTOM OF THE ICE MAKER.
- 17 PROVIDE DRAIN LINES FROM THE FOOD PREP SINK TO THE FLOOR SINK. PROVIDE AN AIR GAP AT THE
18 DISCHARGE TO THE FLOOR SINK.
- 19 PROVIDE A 3" VENT THROUGH THE ROOF PER DETAIL 3/P700.
- 20 CONNECT TO THE EXISTING 4" GREASE WASTE LINE LEADING TO DEDICATED 1,500 GALLON GREASE
21 INTERCEPTOR.
- 22 CONNECT TO THE EXISTING 4" SANITARY SEWER LINE.
- 23 PROVIDE 3/4" VALVED DRAIN FROM HOT FOOD TABLE TO THE FLOOR SINK. DRAIN THROUGH AN AIR
24 GAP.
- 25 PROVIDE INSULATED COPPER DRAIN LINES FROM THE TEA TRAY DRAIN AND THE SODA MACHINE
26 DRAIN TO THE FLOOR SINK. DRAIN THROUGH AN AIR GAP. HOLD TEA TRAY DRAIN AS HIGH AS
27 POSSIBLE AND SECURE TO STRUCTURE BELOW THE UTENSIL COUNTER.
- 28 TRIM TRENCH DRAIN ENDS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO
29 INSTALLATION SO THAT GRATE FITS WITHOUT GAPS. INSTALL TRENCH DRAIN WITH SLIGHT POSITIVE
30 SLOPE TOWARD THE DRAIN CONNECTION TO AVOID STANDING WATER IN TRENCH DRAIN.
- 31 CONNECT TO EXISTING 2" VENT TO GREASE INTERCEPTOR.
- 32 DO NOT PROVIDE WALL CLEANOUTS ON TILE OR PUBLICLY-VISIBLE WALLS. IF A WALL CLEANOUT IS
33 REQUIRED ON THESE SURFACE COORDINATE THE EXACT LOCATION WITH CHIPOTLE'S CONSTRUCTION
34 MANAGER.
- 35 PROVIDE INDIRECT WASTE AND CONDENSATE DRAINS FROM FIXTURES OTHER THAN KITCHEN SINKS
36 CONCEALED IN THE WALL AS SHOWN IN DETAIL 9/P700.
- 37 PROVIDE DRAIN FROM WATER FILTER BFP TO FLOOR DRAIN CONCEALED IN THE WALL AS SHOWN IN
38 DETAIL 9/P700.
- 39 PROVIDE TRENCH DRAIN AS SHOWN IN DETAIL 15/P700.
- 40 INSTALL DRAIN HOSE FURNISHED WITH DISH MACHINE FROM DISH MACHINE OUTLET TO FLOOR SINK.
41 HOLD DRAIN HOSE TIGHT TO WALL AND SECURE TO 3-COMP SINK DRAIN TO MAINTAIN AN AIR GAP AT
42 THE FLOOR SINK.
- 43 PROVIDE CONDENSATE TRAP ON RTU PER DETAIL 13/P700.
- 44 SEE DETAIL 16/P700 FOR DRAINS FROM TEA TRAY, ICE MAKER, AND SODA MACHINE TO FUNNEL
45 DRAIN.

PLUMBING FIXTURE WASTE CONNECTIONS					
TAG	DESCRIPTION	CONNECTION SIZE - WASTE	DFU	COUNT	TOTAL DFU
DM-1	DISH SANITIZING MACHINE (PUMPED OUTLET)	5/8"	7	1	7
FCO-1	FLOOR CLEANOUT (4")	4"	0	4	0
FCO-2	FLOOR CLEANOUT (3")	3"	0	1	0
FD-1	FLOOR DRAIN	2"	2	6	12
FNL-1	FUNNEL DRAIN	2"	2	1	2
FS-1	FLOOR SINK	3"	5	7	35
HS-1A	RESTROOM HAND SINK	2"	1	2	2
HS-2	KITCHEN HAND SINK	2"	1	4	4
MB-1A	MOP BASIN	3"	2	1	2
SK-1	THREE COMPARTMENT SINK	2"	0	1	0
SK-2	PREP SINK	2"	0	1	0
TD-1	TRENCH DRAIN	2"	2	1	2
WC-1	WATER CLOSET	3"	4	2	8
GRAND TOTAL					74



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P110

PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS	COUNT	CONNECTION SIZE			FIXTURE UNITS (EACH)				FIXTURE UNITS (TOTAL)			
				MANUFACTURER	MODEL			CW	HW	WASTE	CW	HW	TOTAL	SAN	CW	HW	TOTAL	SAN
BFP-1	RP2 BACKFLOW PREVENTER	GC	GC	CONBRACO	4ALF-203-T2F	LEAD FREE REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER WITH AUTOMATIC DIFFERENTIAL RELIEF VALVE	1	1/2"			1	0	1	0	0	0	0	0
DM-1	DISH SANITIZING MACHINE (PUMPED OUTLET)	KE\$	GC	SEE ARCH	--	CHEMICAL SANITIZING DISH MACHINE WITH INTEGRAL ELECTRIC BOOSTER HEATER AND PUMPED OUTLET	1	0"	1/2"	5/8"	0	5	5	0	0	5	5	0
ET-1	EXPANSION TANK	GC	GC	AMTROL	ST-5	2 GALLON CAPACITY	1	3/4"			0		0	0	0	0	0	0
FCO-1	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			4"			0	0	0	0	0	0
FCO-2	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)	1			3"			0	0	0	0	0	0
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	6	1/2"		2"			2	0	0	0	0	12
FNL-1	FUNNEL DRAIN	GC	GC	JAY R. SMITH	3823T	FUNNEL DRAIN WITH CAST BRONZE BODY AND THREADED OUTLET	1			2"			2	0	0	0	0	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	7			3"			5	0	0	0	0	35
HB-1	CHEMICAL DISPENSER HOSE BIB	KE\$	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.	2	1/2"	1/2"		2	2	3	0	4	4	6	0
HB-2	VEGETABLE WASH HOSE BIB	KE\$	GC	SEE ARCH	--	SILL FAUCET WITH NPT FEMALE INLET	1	1/2"			3		3	0	3	0	3	0
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			2"			1	0	0	0	0	2
HS-1B	RESTROOM HAND SINK FAUCET	KE\$	GC	SEE ARCH	-- 	METERED FAUCET WITH 0.5 GPM AERATOR AND FURNISHED WITH THERMOSTATIC MIXING VALVE. ADJUST FAUCET FOR 30 SECOND RUN TIME.	2	1/2"	1/2"		0.5	0.5	1	0	1	1	2	0
HS-2	KITCHEN HAND SINK	KE\$	GC	SEE ARCH	--	STAINLESS STEEL SINK WITH WALL MOUNTING BRACKET AND BACKSPLASH MOUNTED FAUCET WITH SWIVEL GOOSENECK	4	1/2"	1/2"	2"	1	1	1.5	1	4	4	6	4
IM-1	ICE MAKER - BOH	KE\$	KE\$	SEE ARCH	--	BACK OF HOUSE ICE MAKER WITH BIN (STANDARD CAPACITY REMOTE AIR COOLED)	1	1/2"			0.5		0.5	0	0	0	0	0
IM-2	ICE MAKER - SODA	KE\$	KE\$	SEE ARCH	--	SODA MACHINE-MOUNTED ICE MACHINE (INTEGRAL AIR COOLED)	1	1/2"			0.5		0.5	0	0	0	0	0
IM-3	ICE MAKER - SODA	KE\$	KE\$	SEE ARCH	--	SODA MACHINE-MOUNTED ICE MACHINE (REMOTE AIR COOLED)	1	1/2"			0.5		0.5	0	0	0	0	0
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.	1			3"			3	0	0	0	0	3
MB-1B	MOP SINK FAUCET	KE\$	GC	SEE ARCH	--	SERVICE SINK FAUCET WITH BUILT IN STOPS, LEVER HANDLES, WALL BRACE, AND NPT FEMALE INLETS	1	1/2"	1/2"		2	2	3	0	2	2	3	0
PF-1	SPEED FILL FAUCET	KE\$	GC	SEE ARCH	--	WALL-MOUNTED POT FILLER W/ SELF-CLOSING FILLER VALVE AND NPT FEMALE INLET	1	3/8"			3		3	0	3	0	3	0
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	1	3/4"			4		4	0	4	0	4	0
SC-1	BAG-IN-BOX SODA RACK WITH CARBONATORS	SP\$	SP\$	SEE ARCH	--	SODA CARBONATOR(S) SHALL HAVE AN INTEGRAL ASSE 1022-RATED CARBONATED BEVERAGE BACKFLOW PREVENTION DEVICE.	1	1/2"			0.5		0.5	0	0	0	0	0
SK-1	THREE COMPARTMENT SINK	KE\$	GC	SEE ARCH	--	THREE-COMPARTMENT WARE-WASHING SINK FURNISHED WITH (1) PRE-RINSE UNIT WITH ADD-ON FAUCET	1	1/2"	1/2"	2"	2	2	3	5	2	2	3	5
SK-2	PREP SINK	KE\$	GC	SEE ARCH	--	STAINLESS STEEL PREP TABLE WITH INTEGRAL PREP SINK. FURNISHED WITH "BIG FLO" FAUCET	1	3/4"	3/4"	2"	2	2	3	0	2	2	3	0
TD-1	TRENCH DRAIN	GC	GC	ZURN	Z886 8601 8602	6" X 160" HDPE TRENCH DRAIN (SLOPED FROM 3.50" TO 4.70") WITH (2) CLOSED END CAPS, (1) 4" NO-HUB BOTTOM OUTLET, AND CLASS-A HEEL-PROOF POLYETHYLENE GRATES. SEE DETAIL ON SHEET P700 FOR REDUCTION TO 2" DRAIN CONNECTION.	1			2"			2	0	0	0	0	2
TP-3	TRAP PRIMER (THREE-FOUR FLOOR DRAINS)	GC	GC	PRECISION PLUMBING PRODUCTS	P1-500 W/ DU-U	TRAP PRIMER WITH INTEGRAL VACUUM BREAKER AND DISTRIBUTION UNIT. CAP UNUSED	2	1/2"			0		0	0	0	0	0	0
WC-1	WATER CLOSET	GC	GC	KOHLER	K-3519 W/ SEAT K-4666-C	WHITE HIGHLINE 1.0 GPF, 17-1/8"-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).	2	1/2"		3"	3		3	6	6	0	6	12
31204477																		

WATER HEATER SCHEDULE

TAG	DESCRIPTION	NATURAL GAS		ELECTRICAL		FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
		INPUT	CONNECTION SIZE	FLA	V/P/H			MANUFACTURER	MODEL	
DWH-1	WATER HEATER (GAS TANKLESS)	199,000 Btu/h	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	WATER HEATER (GAS TANKLESS)	199,000 Btu/h	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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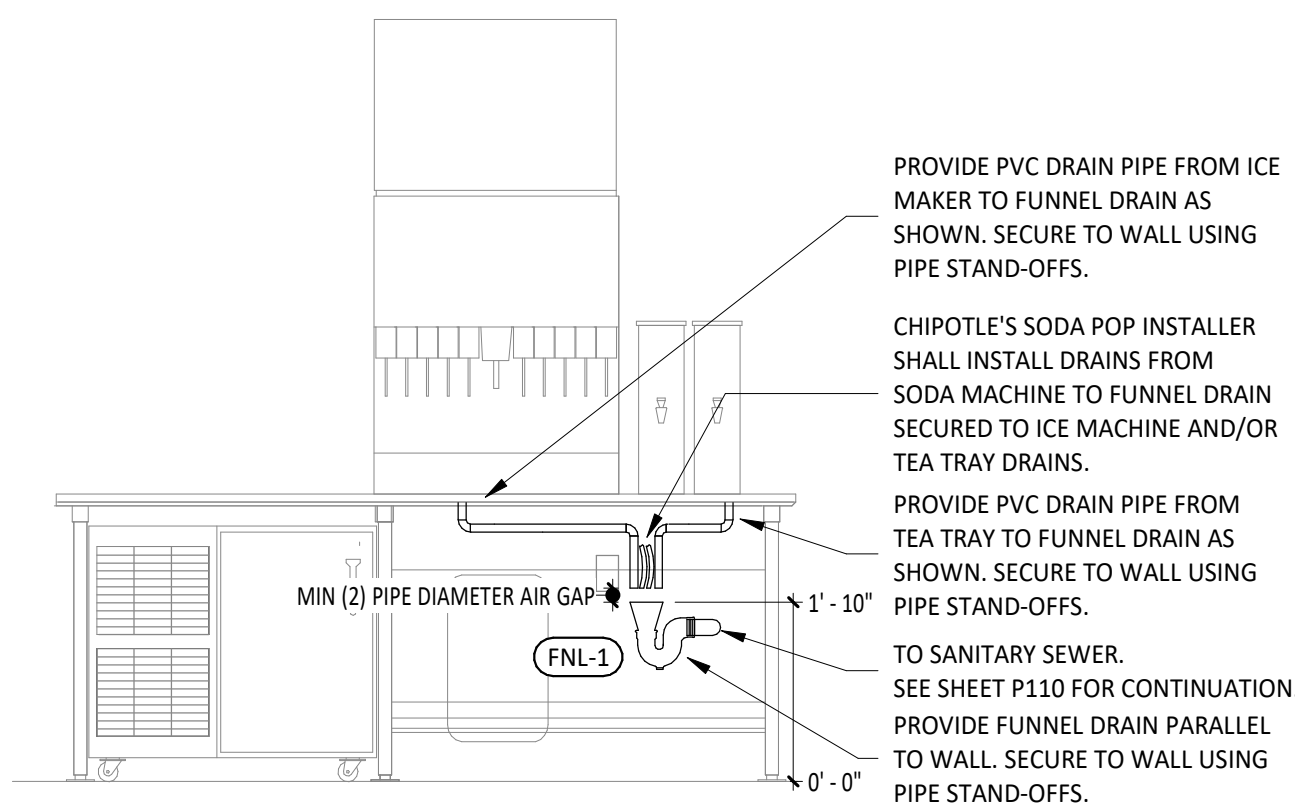
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2401016

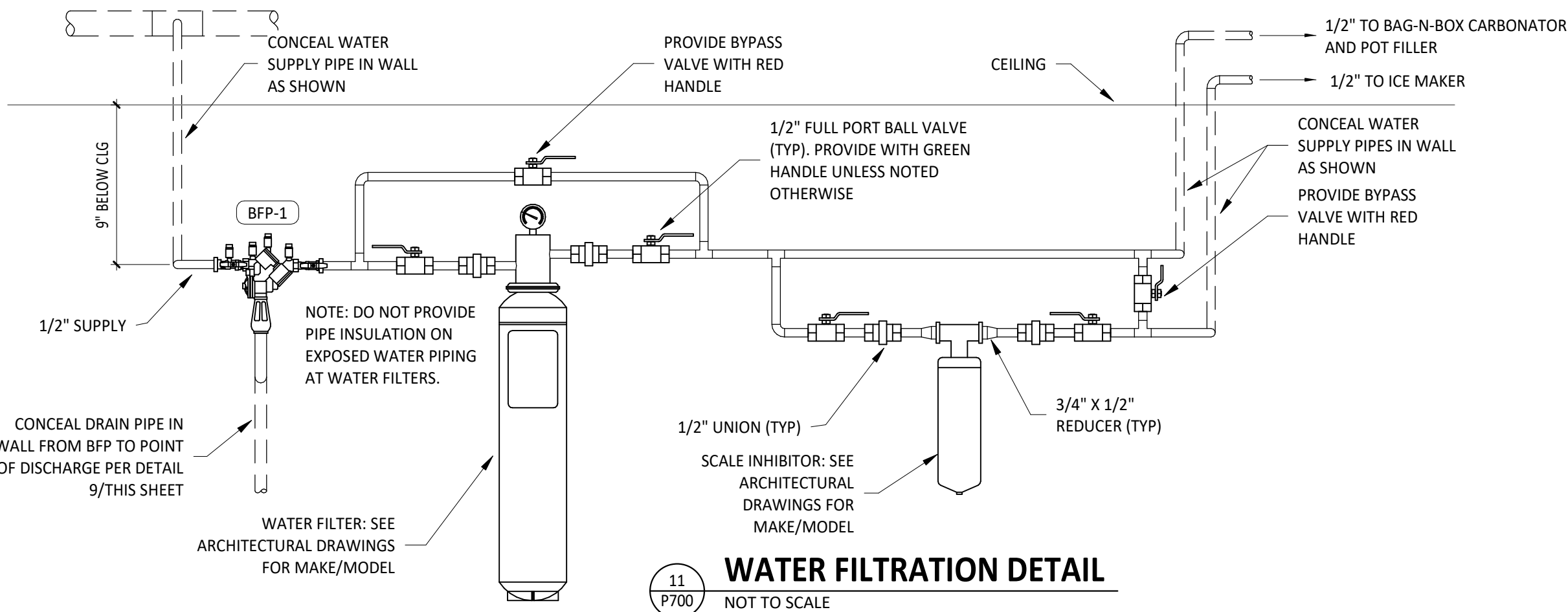
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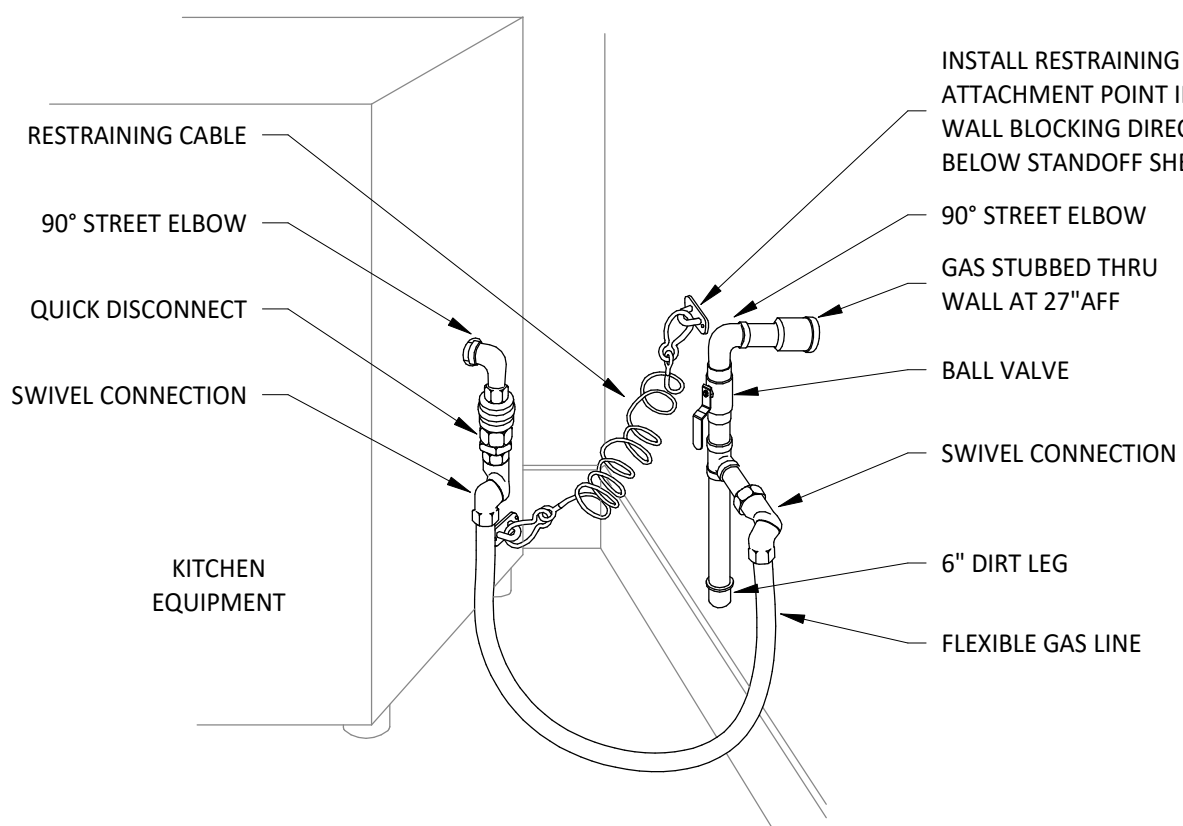
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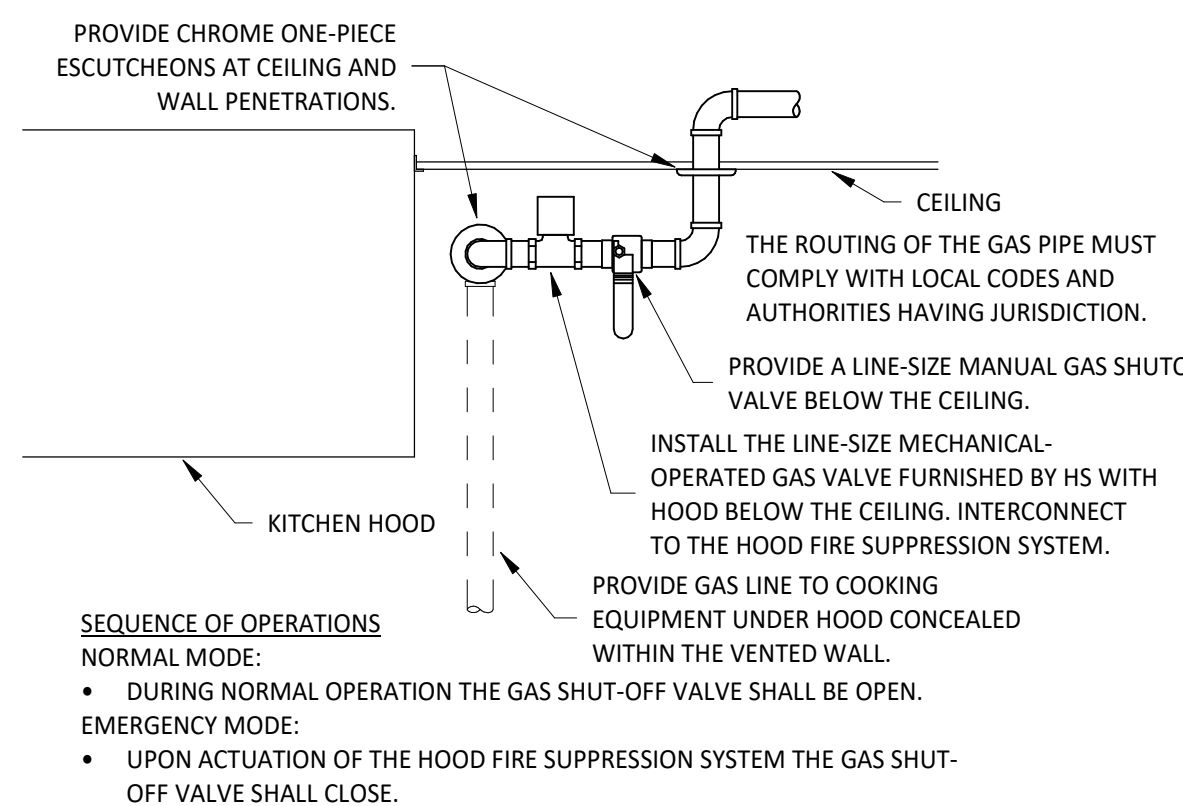
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PUW FUNNEL DRAIN DETAIL
NOT TO SCALE



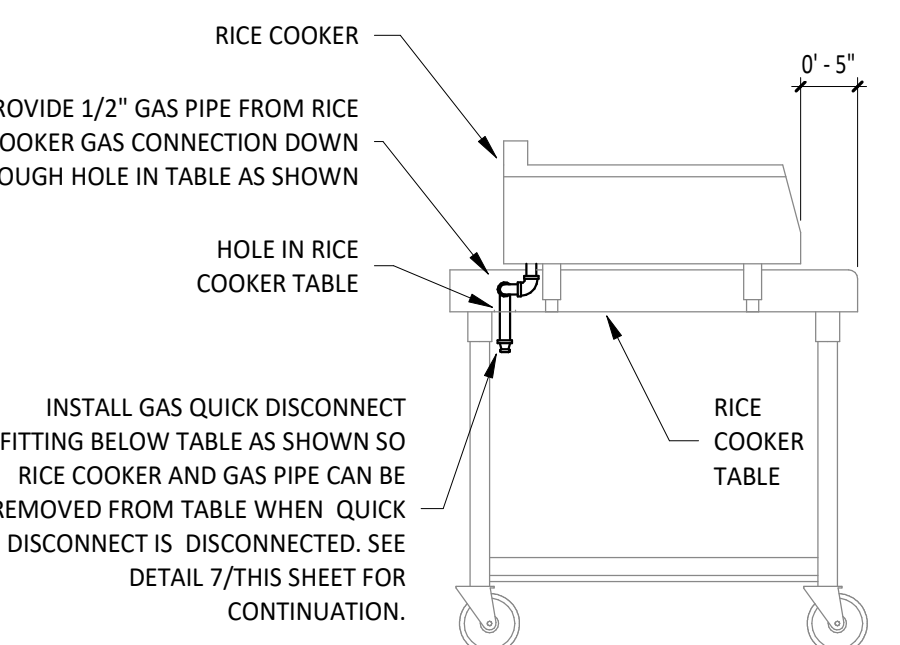
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WATER FILTRATION DETAIL
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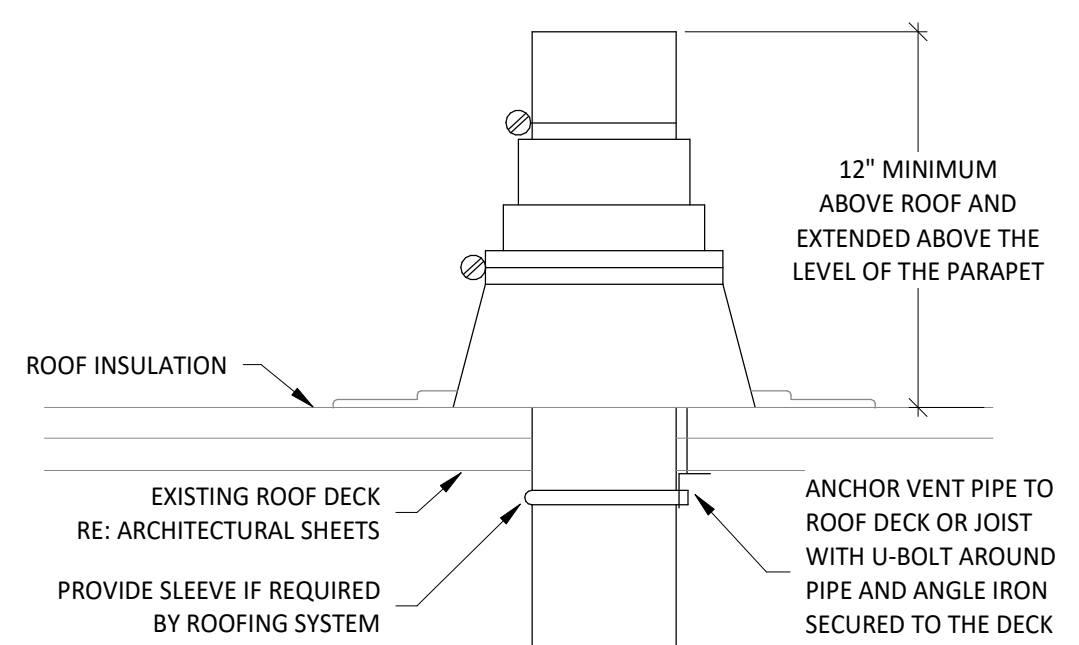
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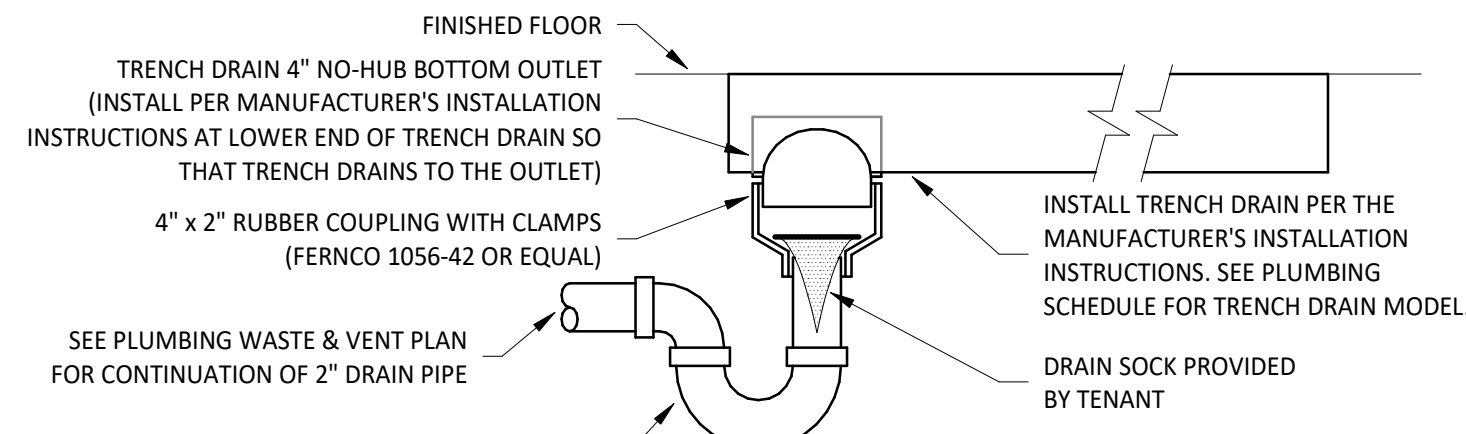
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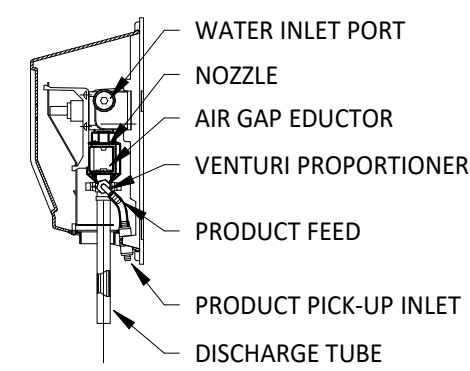
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RICE COOKER GAS CONNECTION DETAIL
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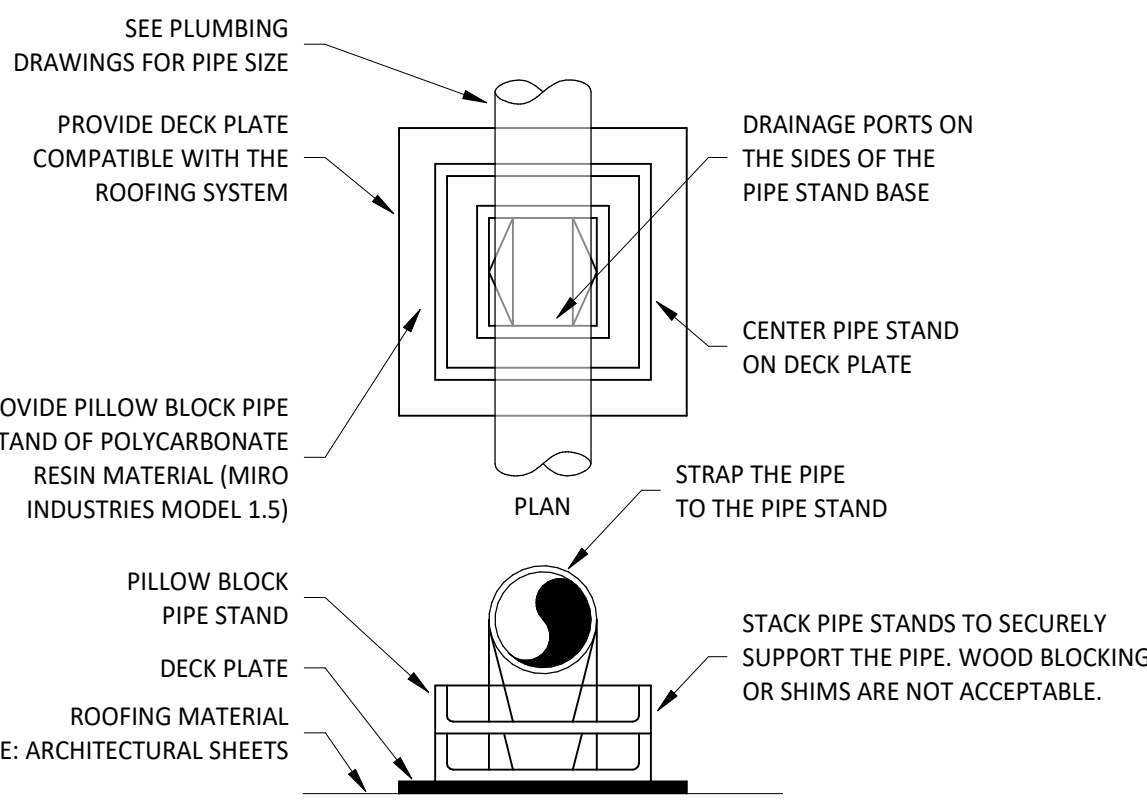
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VENT THROUGH ROOF
NOT TO SCALE



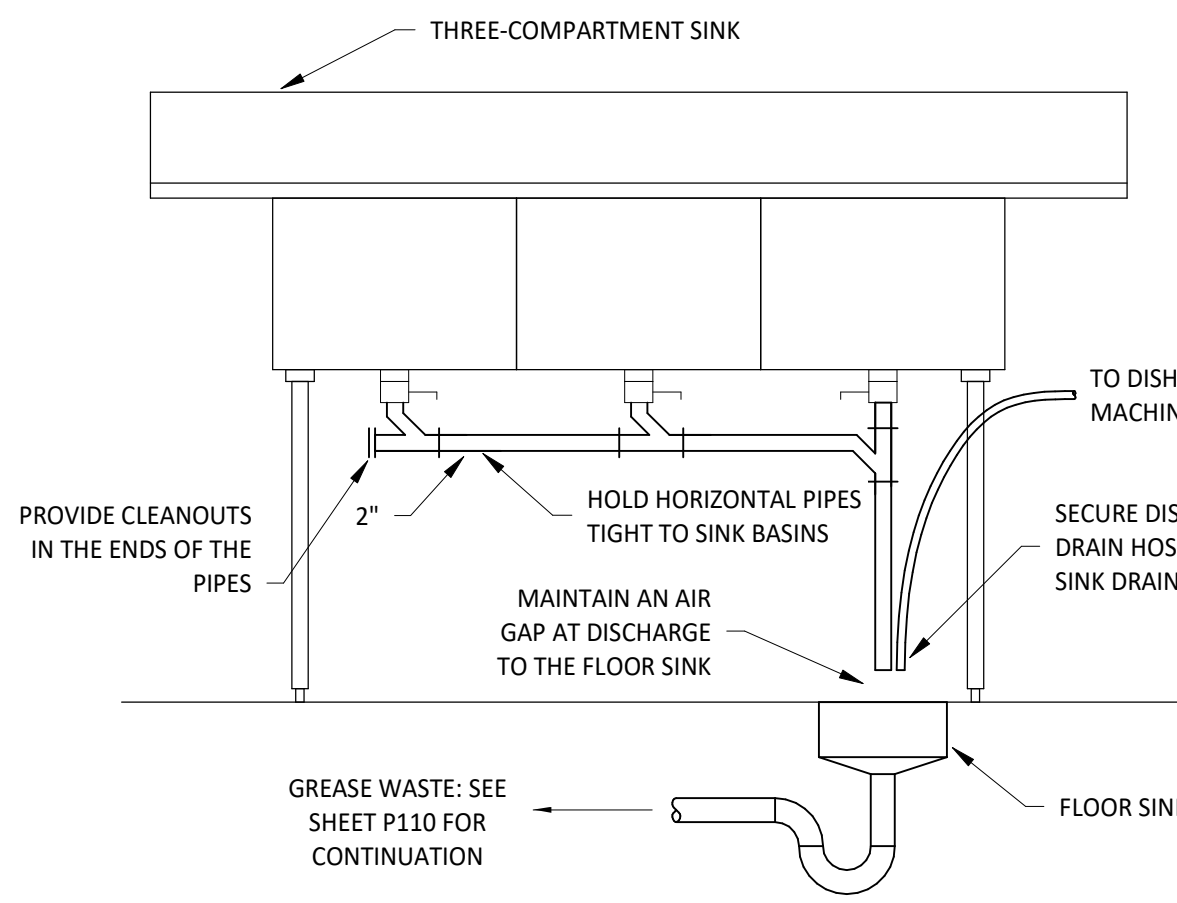
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TRENCH DRAIN DETAIL
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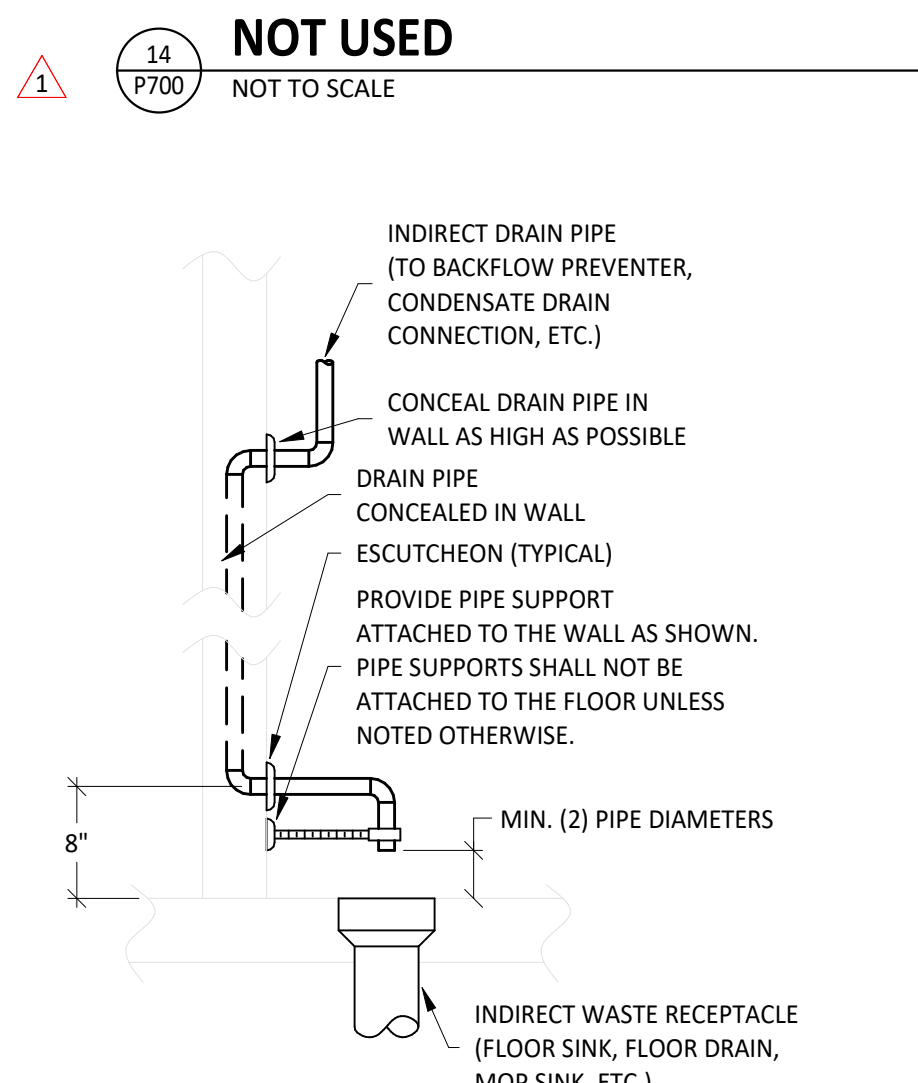
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CHEMICAL DISPENSER DETAIL
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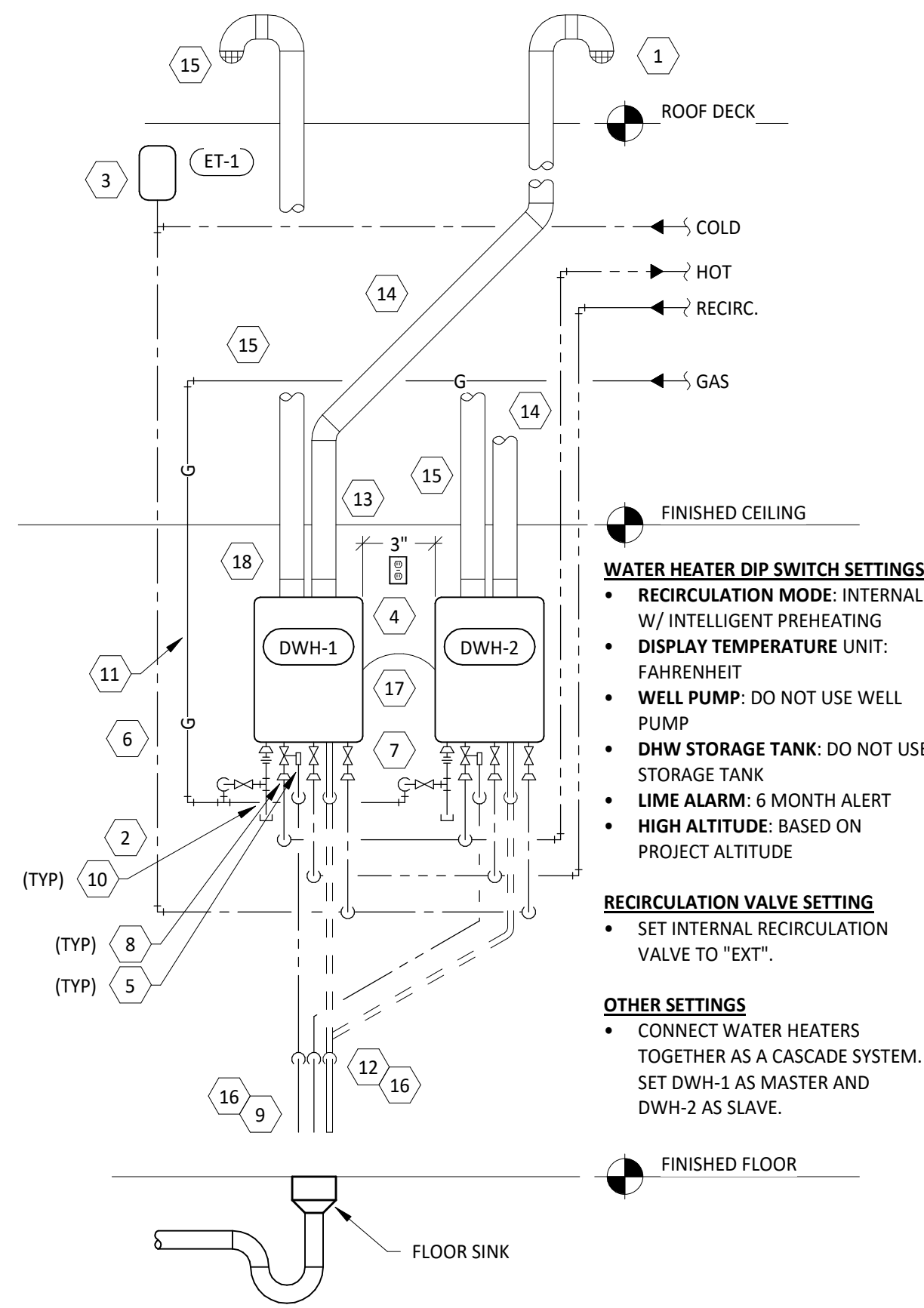
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P700
ROOFTOP PIPING SUPPORT
NOT TO SCALE



2
P700
WARE-WASHING SINK DETAIL
NOT TO SCALE



9
P700
INDIRECT WASTE PIPING DETAIL
NOT TO SCALE

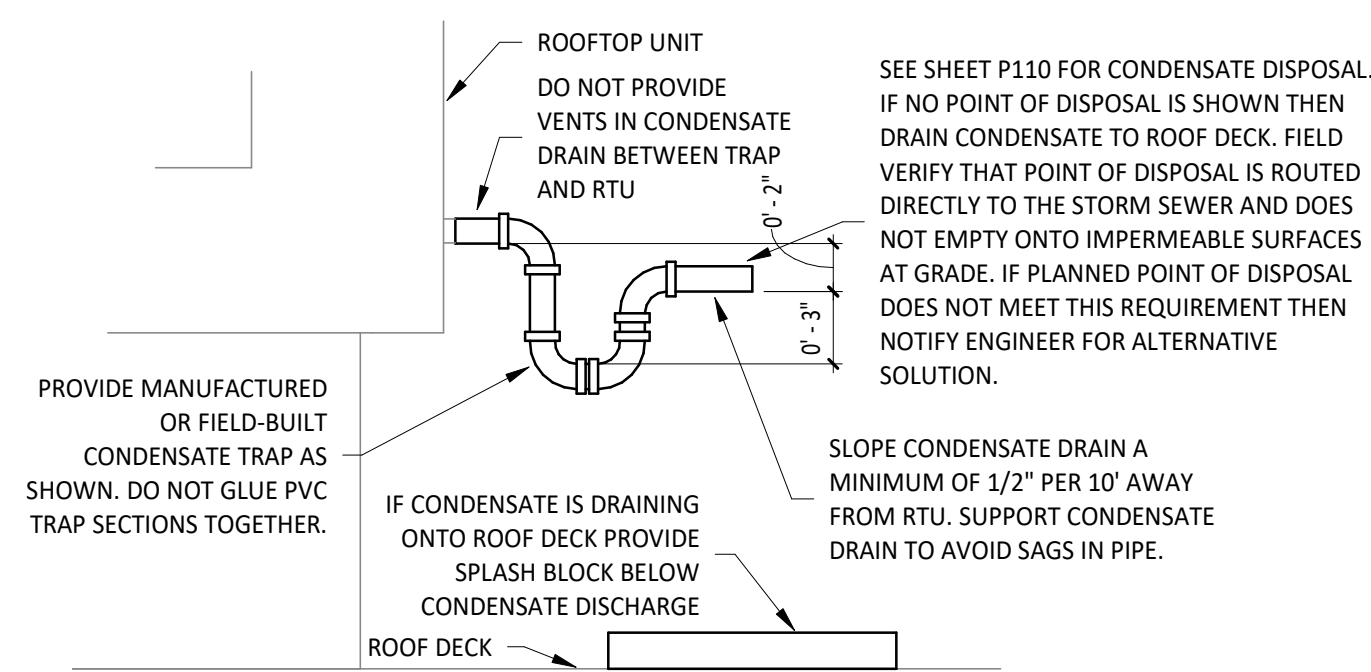


- WATER HEATER DIP SWITCH SETTINGS**
- **RECIRCULATION MODE:** INTERNAL W/ INTELLIGENT PREHEATING
 - **DISPLAY TEMPERATURE UNIT:** FAHRENHEIT
 - **WELL PUMP:** DO NOT USE WELL PUMP
 - **DHW STORAGE TANK:** DO NOT USE STORAGE TANK
 - **LIME ALARM:** 6 MONTH ALERT
 - **HIGH ALTITUDE:** BASED ON PROJECT ALTITUDE

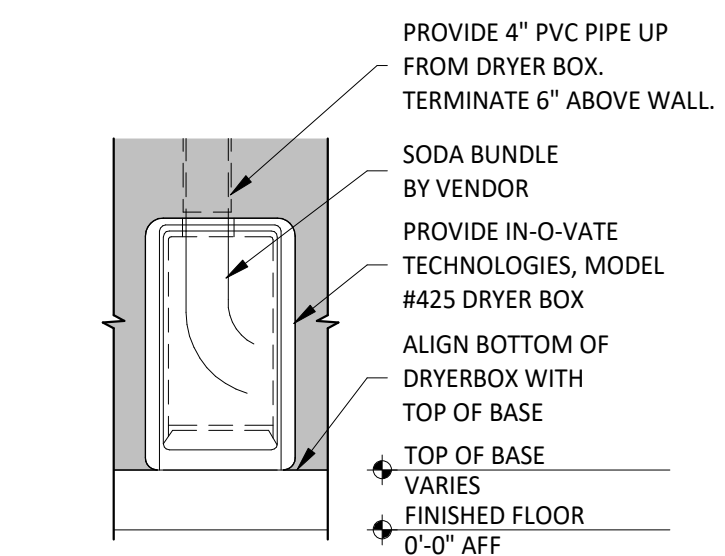
- RECIRCULATION VALVE SETTING**
- SET INTERNAL RECIRCULATION VALVE TO "EXT".

- OTHER SETTINGS**
- CONNECT WATER HEATERS TOGETHER AS A CASCADE SYSTEM. SET DW-H-1 AS MASTER AND DW-H-2 AS SLAVE.

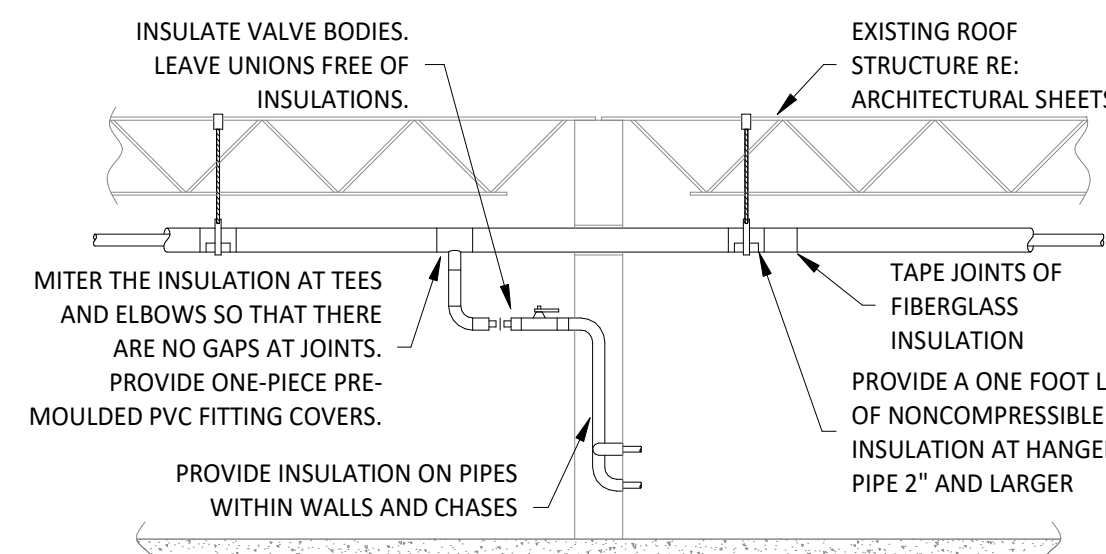
- WATER HEATER GENERAL NOTES**
- CLEAN INLET STRAINERS AFTER CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO TURNOVER OF THE BUILDING TO THE TENANT.
 - INSTALL PIPING WITH AS FEW ELBOWS AS POSSIBLE.
 - MAINTAIN REQUIRED CLEARANCE TO COMBUSTIBLE MATERIALS.
 - ADJUST WATER HEATER TO A SETPOINT OF 120° F.



13
P700
RTU CONDENSATE TRAP DETAIL
NOT TO SCALE



12
P700
SODA TERMINATION DETAIL
NOT TO SCALE



- WATER HEATER DETAIL NOTES**
- PROVIDE TWO 90° ELBOWS AND A SCREEN FOR THE FLUE TERMINATION THROUGH THE ROOF PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - ROUGH-IN COLD, HOT, AND RECIRC PIPES AT 64" AND GAS PIPE AT 61" BELOW THE FINISHED CEILING.
 - PROVIDE EXPANSION TANK ET-1 AS SHOWN. SUPPORT TANK FROM WALL OR STRUCTURE ABOVE.
 - PROVIDE WATER HEATER RECEPTACLE WITHIN 12" OF THE FINISHED CEILING. FASTEN CORD TIGHT TO THE WALL.
 - PROVIDE PRESSURE RELIEF VALVE. PIPE PRESSURE RELIEF VALVE TO POINT OF DISCHARGE.
 - CONCEAL WATER PIPING WITHIN THE WALL AS SHOWN. INSULATE CONCEALED WATER PIPING. DO NOT PROVIDE INSULATION ON EXPOSED WATER PIPING AT WATER HEATER.
 - INTALL "PLUMB EASY VALVE SET" EXPOSED AT THE COLD AND HOT WATER CONNECTIONS TO THE WATER HEATER AS SHOWN.
 - IF THE PIPE SIZES AS SHOWN ON THE PLUMBING PLANS IS LARGER THAN THE WATER HEATER CONNECTIONS SIZES, PROVIDE REDUCERS WITHIN 6" OF THE WATER HEATER.
 - PIPE PRESSURE RELIEF VALVE DISCHARGE AND FLUE CONDENSATE DRAIN TO THE POINT OF DISCHARGE. DRAIN THROUGH AN AIR GAP.
 - PROVIDE AN EXPOSED DRIP LEG AND LINE-SIZE GAS VALVE ON THE GAS SERVICE TO THE WATER HEATER.
 - CONCEAL GAS PIPING IN THE WALL AS SHOWN.
 - PROVIDE 1/2" PVC PIPE FROM THE FLUE CONDENSATE CONNECTION TO THE POINT OF DISCHARGE. DRAIN THROUGH AN AIR GAP.
 - INSTALL THE TANKLESS WATER HEATER WITH THE TOP OF THE WATER HEATER BETWEEN 9" & 12" OF THE FINISHED CEILING.
 - PROVIDE A 2" Ø PVC PIPE FROM THE TANKLESS WATER HEATER TO THE POINT OF DISCHARGE. SLOPE HORIZONTAL SECTION OF THE FLUE 1/4" PER FOOT TOWARDS THE WATER HEATER.
 - PROVIDE A SCREENED AIR INTAKE WITH TWO 90° ELBOWS ABOVE THE ROOF PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - CONCEAL DRAIN LINES IN WALL PER DETAIL 9/THIS SHEET.
 - PROVIDE COMMUNICATION CABLE CONCEALED IN WALL BETWEEN WATER HEATERS.
 - IF WATER HEATERS ARE INSTALLED WITH A COMMON VENT SYSTEM THEN PROVIDE THE NAVEN COMMON VENT COLLAR KIT WITH BACK-DRAFT DAMPER PER THE MANUFACTURER'S INSTALLATION MANUAL.

8
P700
PIPE INSULATION DETAIL
NOT TO SCALE

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2401016	

Contents:

PLUMBING DETAILS

P700

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

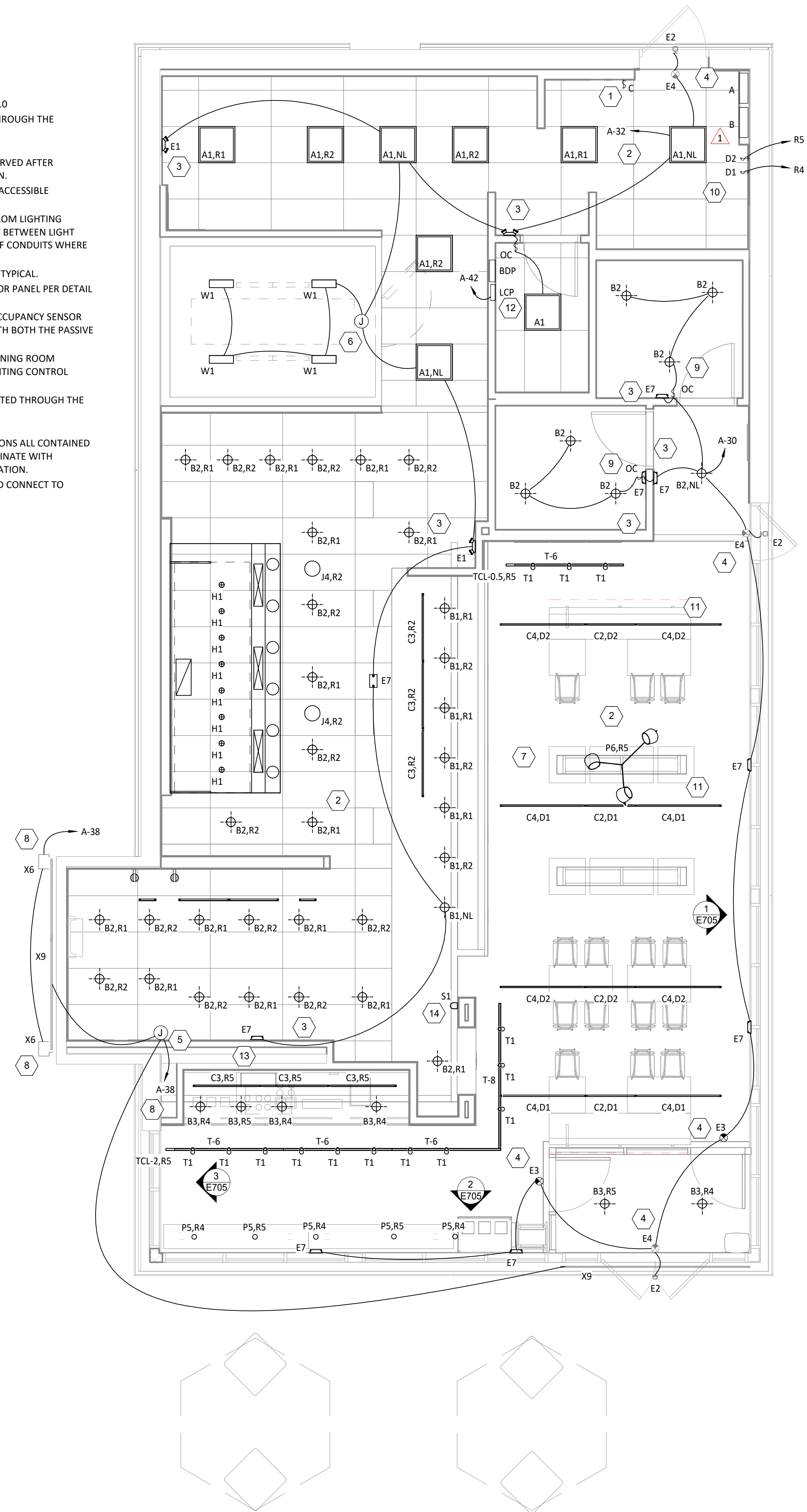
A. DUPLICATE PANEL SCHEDULE AND PERMENANTLY INSTALL WITHIN THE LIGHTING CONTROL PANEL

	DESCRIPTION	QUANTITY	FURNISHED BY	INSTALLED BY	MANUFACTURER	MODEL	REMARKS
1	RIGHT LIGHTING CONTROL PANEL	1	TLS	GC	ACUTY	ARP INTENC08 NLT 8FCR MVOLT HLK FM DTC CPTLE1	8 RELAY PANEL FOR DIMMING CONTROL WITH FLUSH MOUNT ENCLOSURE, AND DIGITAL TIME CLOCK
2	WALL-MOUNTED OVERRIDE SWITCH	1	TLS	GC	ACUTY	nPDMA 4P	SEE LIGHTING CONTROL DIAGRAM FOR SWITCH CONFIGURATION
3	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 THIS DIMMER SETTING THEN GC SHALL PROVIDE LUTRON DVCL-253P DIMMER AS REPLACEMENT.
4	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

TAG		COUNT	DESCRIPTION	MOUNTING	VOLTAGE	WATTS	FURNISHED BY	INSTALLED BY	MANUFACTURER	BASIS FOR DESIGN		REMARKS	
										MODEL	LAMP		
A1	9		2x2 LED DIMMED TROFFER	LAY-IN	120 V	30 W	TLS		GC	NORA LIGHTING	NPDL-E22/334 W	INTEGRAL 3000K LED	COMPATIBLE WITH 0-10V DIMMING, FACTORY LOCKED TO 3000K
B1	7		RECESSED 6IN CAN LIGHT	CEILING	120 V	17 W	TLS		GC	NORA LIGHTING	NHIC-6G24ATFL W/ NTM-57W/M1 TRIM	(1) 17W ECOSTORY ECO-PAR38C-17-GU24-27 K-2SD LED (25°-2700K) W/ GU 24 BASE	
B2	33		RECESSED 6IN CAN LIGHT W/ LED TRIM	CEILING	120 V	17 W	TLS		GC	NORA LIGHTING	NHIC-6G24ATFL WITH NLCBC-65130WW LED TRIM	INTEGRAL 3000K LED	LED TRIM FURNISHED WITH GU24 SOCKET ADAPTER
B3	6		RECESSED 6IN CAN LIGHT W/ BLACK LED TRIM	CEILING	120 V	12 W	TLS		GC	NORA LIGHTING	NHIC-6G24ATFL WITH NLCBC-651278B LED TRIM	INTEGRAL 3000K LED	BLACK LED TRIM FURNISHED WITH GU24 SOCKET ADAPTER
C0	2		LOW PROFILE LED - 1 FT	SURFACE	120 V	5 W	TLS		GC	HERA LIGHTING	EL/LED/12/WW	INTEGRAL 3000K LED	FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWIRE BOX OR CORD/PLUG PER SECTION
C2	6		LOW PROFILE LED - 3 FT	SURFACE	120 V	12 W	TLS		GC	HERA LIGHTING	EL/LED/34/WW	INTEGRAL 3000K LED	FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWIRE BOX OR CORD/PLUG PER SECTION
C3	6		LOW PROFILE LED - 4 FT	SURFACE	120 V	15 W	TLS		GC	HERA LIGHTING	EL/LED/46/WW	INTEGRAL 3000K LED	FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWIRE BOX OR CORD/PLUG PER SECTION
C4	8		LOW PROFILE LED - 5 FT	SURFACE	120 V	18 W	TLS		GC	HERA LIGHTING	EL/LED/59/WW	INTEGRAL 3000K LED	FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWIRE BOX OR CORD/PLUG PER SECTION
E1	3		EMERGENCY LIGHT - DUAL HEAD	VARIOUS	120 V	2 W	TLS		GC	EXITRONIX	LED-90	INTEGRAL LED	90 MINUTE BATTERY BACKUP
E2	3		EXTERIOR REMOTE EMERGENCY LIGHT	VARIOUS	4 V	1 W	EXT'G	EXT'G	EXITRONIX	MLED1-B-WP	INTEGRAL LED		LOW VOLTAGE REMOTE EMERGENCY LIGHT POWERED BY REMOTE-CAPABLE EXIT SIGN WITH MOUNTING PLATE
E3	2		WHITE EXIT SIGN WITH EMERGENCY LIGHT -STANDARD RED LETTERS	VARIOUS	120 V	2 W	TLS		GC	EXITRONIX	CLED-U-WH	INTEGRAL LED	90 MINUTE BATTERY BACKUP WITH INTEGRAL EMERGENCY LIGHT, REMOTE HEAD CAPABLE
E4	3		WHITE EXIT SIGN WITH EMERGENCY LIGHT -STANDARD RED LETTERS	VARIOUS	120 V	2 W	EXT'G	EXT'G	EXITRONIX	CLED-U-WH	INTEGRAL LED		90 MINUTE BATTERY BACKUP WITH INTEGRAL EMERGENCY LIGHT, REMOTE HEAD CAPABLE
E7	9		EMERGENCY LIGHT	VARIOUS	120 V	2 W	TLS		GC	EXITRONIX	EV2	INTEGRAL LED	90 MINUTE BATTERY BACKUP
H1	8		VAPOR PROOF HOOD LIGHT	SURFACE	120 V	15 W	HS/TLS	HS	FURNISHED W/ HOOD	FURNISHED W/ HOOD	(1) TCP I16A19N1527K		INSTALL LAMP FURNISHED SEPARATELY BY LIGHTING SUPPLIER
J4	2		DECORATIVE PENDANT	PENDANT	120 V	9 W	TLS		GC	BARNLIGHT	BLE-C-BRN-100-ASH-SB K-100-NA-GU24	GREEN CREATIVE 9A19DIN/927/GU24/R	WITH BLACK LAMPSHADE, BLACK CORD, AND OAK LAMPHOLDER
P5	5		PENDANT	PENDANT	120 V	5 W	TLS		GC	HI-LITE MFG	H-LC-91/CB12-91/20W IBL	TCP FG25D4027CCQ	ADJUST CORD LENGTH FOR MOUNTING HEIGHT CALLED FOR IN ARCHITECTURAL DRAWINGS
P6	1		DECORATIVE DINING ROOM PENDANT	PENDANT	120 V	30 W	TLS		GC	BARNLIGHT	BLE-C-JGT-133-35630-3	INTEGRAL LED	HARDWIRED SET OF (3) HEADS WITH UNIVERSAL CANOPY AND STANDARD BLACK CABLES
S1	1		DRIVE-UP PICK-UP WINDOW CHIME/STROBE	WALL	16 V	0 W	TLS		GC	FEDERAL SIGNAL	SLMS00B W/ SLMBW-012-024	INTEGRAL	SET SWITCH A TO "CHIME 1 SINGLE" (11011) AND SWITCH B TO "CHIME 2 SINGLE" (00111)
T1	14		TRACK HEAD	TRACK	120 V	10 W	TLS		GC	JUNO	R60SL 30K 90CRI PDIM WFL BL	INTEGRAL LED	BLACK CYLINDER TRACK HEAD W/ UNIVERSAL 120V TRAC ADAPTER AND WIDE FLOOD BEAM
T-6	4		TRACK (6 FT)	SURFACE	120 V	0 W	TLS		GC	JUNO	T 6FT BL	N/A	SINGLE CIRCUIT, BLACK FINISH. FURNISH WITH CONNECTORS TO ACHIEVE ARRANGEMENT SHOWN ON PLANS. TRIM AS REQUIRED FOR LENGTHS SHOWN.
T-8	1		TRACK (8 FT)	SURFACE	120 V	0 W	TLS		GC	JUNO	T 8FT BL	N/A	SINGLE CIRCUIT, BLACK FINISH. FURNISH WITH CONNECTORS TO ACHIEVE ARRANGEMENT SHOWN ON PLANS. TRIM AS REQUIRED FOR LENGTHS SHOWN.
TCL-0.5	1		TRACK CURRENT LIMITER (60W)	SURFACE	120 V	0 W	TLS		GC	JUNO	TCLCFM11 BL W/ TCLCB 0.5A BLCK	N/A	BLACK CURRENT LIMITING END FEED WITH CIRCUIT BREAKER
TCL-2	1		TRACK CURRENT LIMITER (240W)	SURFACE	120 V	0 W	TLS		GC	JUNO	TCLCFM11 BL W/ TCLCB 2A BLCK	N/A	BLACK CURRENT LIMITING END FEED WITH CIRCUIT BREAKER
W1	4		WIC LED LIGHT	SURFACE	120 V	29 W	WCS	GC	FURNISHED W/ WIC	FURNISHED W/ WIC		INTEGRAL LED	WET-RATED COOLER FIXTURE
X6	2		EXTERIOR FLOOD LIGHT	SURFACE	120 V	10 W	EXT'G	EXT'G	RAB LIGHTING	WPLED10	INTEGRAL LED		PROVIDE WALL PACK WITH WALL-MOUNT KIT.
X9	2		EXTERIOR LED CHANNEL LIGHT	SURFACE	120 V	47 W	EXT'G	EXT'G	PARADIGM LED	AMC-2410-S W/ OPAL LENS AND END CAPS		FLEXSR-45-30-67-24	FURNISHED W/ REMOTE-MOUNTED NEMA 3R LED DRIVER. SEE PLAN FOR LENGTHS.

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

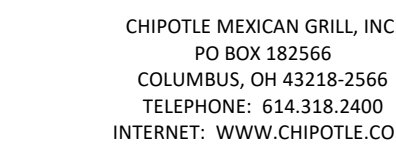
- 1 INSTALL WALL-MOUNTED LIGHTING OVERDRIVE SWITCH AND CONNECT TO LCP AS SHOWN IN DETAIL 6/E710
- 2 FOR UNCIRCULATED LIGHT FIXTURES, CONNECT TO RELAY CIRCUIT INDICATED NEXT TO THE FIXTURE TAG THROUGH THE LIGHTING CONTROL PANEL (LCP) UNLESS NOTED OTHERWISE.
- 3 WALL MOUNT THE EMERGENCY LIGHT FIXTURE AT 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 PER THE NEC.
- 7 PROVIDE UNISTRUT AS SHOWN ON THE ARCHITECTURAL RCP PER THE ARCHITECTURAL UNISTRUT DETAIL. TYPICAL.
- 8 CONNECT EXTERIOR LIGHTING CIRCUIT TO CIRCUIT SHOWN THROUGH THE EXTERIOR LIGHTING CONTACTOR PANEL PER DETAIL 6/E710.
- 9 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.
- 10 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%.
- 11 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.
- 12 INSTALL LIGHTING CONTROL SYSTEM PER DETAIL 6/E710.
- 13 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.
- 14 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.



$$1/4^m = 1'-0^m$$

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ELECTRICAL LIGHTING PLAN

E100

1 SHOW ROOM WINDOW RECEPTACLE. COORDINATE EXACT RECEPTACLE MOUNTING HEIGHT IN THE FIELD. LOCATION SHALL BE THE DRYWALL IMMEDIATELY ABOVE THE MAIN STORE-FRONT WINDOW AND AS SHOWN IN THE DINING ROOM ELECTRICAL ELEVATIONS ON SHEET E700.

2 ICE MACHINE ELECTRICAL TI-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 L5-20R END, FROM ICE MAKER TO RECEPTACLE AND FLANGED INLET.

3 CONNECT RECEPTABLES 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 RECEPTABLES ARE DE-ENERGIZED UPON ACTIVATION OF HOOD FIRE PROTECTION SYSTEM.

4 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 E67/10.

5 PROVIDE A SINGLE GANG VERTICAL JUNCTION BOX 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 MARSHALL PRIOR TO ROUGH-IN.

6 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.

7 PROVIDE A DUPLEX GFCI RECEPTACLE WITH WEATHERPROOF WHILE IN USE OUTLET COVER FOR IRRIGATION CONTROLLER.

8 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.

9 COORDINATE DATA/POWER RECEPTACLE MOUNTING REQUIREMENTS WITH THE CASE WORK INSTALLER PRIOR TO ROUGH-IN.

10 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.

11 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.

12 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.

13 AFTER THE FAX LINE, POS, AND OFFICE EQUIPMENT IS INSTALLED PROVIDE CHILDPROOF RECEPTACLE COVERS ON UNUSED IG RECEPTABLES AT THE FAX LINE, POS, AND OFFICE.

14 PROVIDE ONE PHASE, ONE NEUTRAL, AND ONE GROUND CONDUCTOR FROM THE ICE MAKER TO THE REMOTE CONDENSING UNIT.

15 UNIT SHALL HAVE AN INTEGRAL NON-FUSED DISCONNECT SWITCH.

16 PROVIDE 3" CONDUIT (EMT, IMC, OR RMC) THROUGH ROOF. TERMINATE WITH WEATHERHEAD EVEN WITH TOP OF PARAPET FOR FUTURE CELL BOOSTER. SECURE CONDUIT TO STRUCTURE TO SUPPORT FUTURE ANTENNA INSTALLATION. PROVIDE 1/4" X 2" X 10'-16 LOHLE GROUNDING BUSBAR (BURNDY 88B14210A OR EQUAL) MOUNTED TO CONDUIT ABOVE ROOF FOR FUTURE CONNECTION OF ELECTRICAL ARRESTORS. PROVIDE #2 CU GROUND FROM BUSBAR TO MAIN ELECTRODE GROUNDING CONDUCTOR.

17 INSTALL THE BYPASS DISTRIBUTION PANEL (BDP) FURNISHED BY THE TENANT. INSTALL PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND DETAIL 3E7/10.

18 ROUGH-INS TO SERVE LINE AND POS EQUIPMENT ARE UNDERGROUND. COORDINATE ROUGH-IN REQUIREMENTS AND LOCATIONS WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN.

19 ROOFTOP UNIT SHALL HAVE AN INTEGRAL UNIT-MOUNTED GFCI RECEPTACLE. PROVIDE CONNECTION TO CIRCUIT SHOWN.

20 ICE MAKER RECEPTABLES SHALL BE CONCEALED BEHIND THE ICE MAKER. COORDINATE LOCATION WITH ACTUAL WIDTH OF ICE MAKER.

21 PROVIDE VERTICAL METAL DIE CAST WEATHERPROOF WHILE IN USE OUTLET COVER ON RECEPTABLES AT COOK LINE. COVER SHALL BE INTERMATIC WP1010MXD FOR SINGLE GANG BOXES AND WP1030MXD FOR DOUBLE GANG BOXES. NO SUBSTITUTIONS SHALL BE ACCEPTED.

22 LABEL BATTERY-PROTECTED RECEPTABLES "BATTERY-PROTECTED: DISCONNECT AT PANEL BDP".

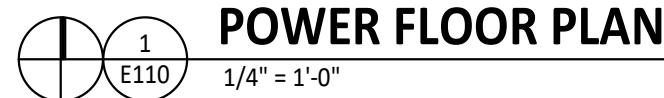
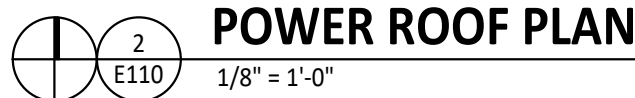
23 LABEL MAIN DISCONNECT SWITCH AND PANEL A "WARNING: BATTERY-PROTECTED RECEPTABLES IN USE. DISCONNECT AT PANEL BDP."

24 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.

25 CONNECT RESTROOM EXHAUST FAN TO CIRCUIT SHOWN THROUGH THE LIGHTING CONTROL PANEL (LCP).

26 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/E7/10. PROVIDE GFCI DUPLEX RECEPTABLES IN TWO J-BOXES INTEGRAL TO PREP TABLE FOR HOT HOLDING CABINET AND GENERAL RECEPTABLE.
 PROVIDE GFCI RECEPTABLE AND J-BOX AND INSTALL CO2 ALARM FURNISHED BY CO2AS AS SHOWN IN DETAIL 4/E7/10.
 PROVIDE J-BOX AND INSTALL CO2 ALARM REMOTE DISPLAY UNIT FURNISHED BY CO2AS AS SHOWN IN DETAIL 4/E7/10.
 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 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 OF 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.
 INSTALL VEHICLE DETECTOR SYSTEM FURNISHED BY TLS SURFACE-MOUNTED ON WALL IN ACCESSIBLE LOCATION ABOVE CEILING AND CONNECT TO STROBE/CHIME 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 CONDUMETS THAT PASS THROUGH THE WALK-IN COOLER ENVELOPE PER THE NEC.
 PROVIDE ISLAND PREP TABLE FOOD WARMER RECEPTABLE WITH GROUND PIN TOWARDS THE BOTTOM OF THE RECEPTABLE.
 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. CONDUIT LINE SIDE OF THE REME HALO 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/E7/10. TEMS 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 WIRINGS AS SHOWN IN DETAIL 8/E7/10.
 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.
 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/E7/10. 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, THROUGH UTENSIL COUNTER, TO ICE MAKER RECEPTACLE.
 LABEL UTENSIL COUNTER RECEPTABLES "TRACTOR BEVERAGE", "ICE MAKER/IMSB", AND "SODA FOUNTAIN".
 LABEL RECEPTACLE "UV INSECT TRAP".
 PROVIDE POWER CONNECTIONS TO ISLAND PREP TABLE PER DETAIL 2/E7/10. 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 SERVICE 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 HORIZONTAL SINGLE-GANG J-BOX FOR DATA JACK AS SHOWN FOR KRONOS TIME CLOCK.



E110

Panel Name: BDP		Volts: 120		Mains: LUGS	
Mounting: Recessed		Phases: 1		Amperage: 20 A	
Enclosure: Type 1		Wires: 2			
CKT	Circuit Description		Trip	Poles	Load
	1 POS		15 A	1	0.2 KVA
	2 DML-POS		15 A	1	0.2 KVA
	3 DML- ORDERING SYSTEM		15 A	1	0.7 KVA
	4 OFFICE- SECURITY SYSTEM		15 A	1	0.2 KVA
	5 OFFICE- COMPUTER		15 A	1	0.4 KVA
	6 OFFICE- DVR/ISP		15 A	1	0.5 KVA
			Total Load:		2 KVA
			Total Amps:		18 A

VOLTS: 208/120V Wye															PANEL: A	
PHASES: 3															MAINS: MCB	
WIRES: 4															AMPERAGE: 400 A	
MOUNTING: Recessed															MCB RATING: 400 A	
ENCLOSURE: Type 1																
CKT #	DESCRIPTION	C/B [A]	# PLS	NOTES	LOAD [A]	LOAD TYPE	LOAD [kVA] A	LOAD [kVA] B	LOAD [kVA] C	LOAD TYPE	LOAD [A]	NOTES	# PLS	C/B [A]	DESCRIPTION	CKT #
1							6.1	0.0								2
3	AIR CONDITIONER - KITCHEN (RTU-1) (3-#6, #10 G. IN 1" C.)	60	3	HACR	51.0	C		6.1	0.0	-	0.0		3	60	TVSS (4-#6, #10 G. IN 1" C.)	4
5									6.1	0.0						6
7							6.1	0.0								8
9	AIR CONDITIONER - DINING ROOM (RTU-2) (3-#6, #10 G. IN 1" C.)	60	3	HACR	51.0	C		6.1	0.0	G	0.0		3	20	GRIDPOINT 3 PHASE METER (4-#12, #12 G. IN 3/4" C.)	10
11									6.1	0.0						12
13	RECEPTACLES - STOREFRONT Receptáculos - Frente del restaurante	20	1		9.0	G	1.1	0.2		G	1.5		1	20	GRIDPOINT TRANSFORMER	14
15	RECEPTACLES - DINING Receptáculos - Comedor	20	1		1.5	G		0.2	1.0							16
17	PANEL BDP	20	1		18.0	G			2.2	1.0	E	8.3	3	20	HOOD EXHAUST FAN (EF-1) (3-#12, #12 G. IN 3/4" C.)	18
19	RECEPTACLES - ROOFTOP Receptáculos - Techo	20	1		3.3	G; E	0.4	1.0								20
21	RECEPTACLES - POS GENERAL Receptáculos - Cajero general	20	1		6.0	G		0.7	0.4							22
23	SECURITY/AUDIO Seguridad y audio	20	1		3.0	G			0.4	0.4	E	3.1	3	15	HOOD MAKEUP AIR FAN (MAU-1) (3-#12, #12 G. IN 3/4" C.)	24
25	IRRIGATION CONTROLLER	20	1		0.3	F	0.0	0.4								26
27	RECEPTACLES - OFFICE Receptáculos - Oficina	20	1	GFCI	9.0	G		1.1	0.5	E	4.4		1	15	RESTROOM FAN (EF-2)	28
29	RECEPTACLES - DML Receptáculos - Fax	20	1	GFCI	6.0	G			0.7	0.6	A	5.4	1	20	LIGHTING - DINING ROOM Iluminación - Comedor	30
31	SPARE	20	1	--	--		0.0	1.1		A	8.8		1	20	LIGHTING - KITCHEN Iluminación - Cocina	32
33	BATHROOM SANITIZER Sanitizante de baño	20	1		0.2	E		0.0	0.0	--	--		1	20	SPARE	34
35	HD-1 (CONTROL AND LIGHTS) (control y luces)	15	1		1.5	E			0.2	0.4	B	3.0	1	20	SIGN LIGHTING Iluminación para letreros	36
37	VEHICLE DETECTOR	20	1		0.3	G	0.0	0.1		B	1.2		1	20	LIGHTING - EXTERIOR Iluminación - Exterior	38
39	SITE LIGHTING (2-#10, #10 G. IN 3/4" C.)	20	2		12.5	B		1.3	0.7	B	5.8		1	20	SITE SIGNAGE	40
41									1.3	0.0	A; B	0.0	1	20	LIGHTING CONTROL PANEL	42
43							1.5	0.2		G	1.5		1	20	PICK-UP WINDOW	44
45	UNIT HEATER	20	2		14.4	D		1.5	2.1							46
47	SPARE	20	1	--	--				0.0	2.1	D	20.2	2	25	PUW AIR CURTAIN (2-#10, #10 G. IN 3/4" C.)	48
49	SPARE	20	1	--	--		0.0	0.0		--	--		1	20	SPARE	50
51	SPARE	20	1	--	--			0.0	0.0	--	--		1	20	SPARE	52
53	SPARE	20	1	--	--				0.0	0.0	--	--	1	20	SPARE	54
							19.0	--		--	--		1	--		
	FEED THRU (PANEL B) (4-500 KCMIL, #1/0 G. IN 4" C.)	0	3	LUGS	160.4	Spare; F		19.2	--	--	--		1	--		
									19.7	--	--		1	--		
PHASE TOTAL [kVA]:							37.2 kVA	40.9 kVA	41.1 kVA							
PHASE TOTAL [AMPS]:							310 A	346 A	347 A							
TYPE	DESCRIPTION	CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS								
A	INTERIOR LIGHTING	2 kVA		125.00%		2 kVA										
B	EXTERIOR LIGHTING	4 kVA		125.00%		5 kVA										
C	COMFORT COOLING	37 kVA		100.00%		37 kVA		TOTAL CONNECTED kVA: 119 kVA								
D	COMFORT HEATING	7 kVA		100.00%		7 kVA		TOTAL ESTIMATED kVA: 100.3 kVA								
E	MISC. MOTOR	5 kVA		100.00%		5 kVA		TOTAL ESTIMATED AMPS: 278 A								
F	KITCHEN EQUIPMENT	58 kVA		65.00%		38 kVA										
G	RECEPTACLES	7 kVA		100.00%		7 kVA										

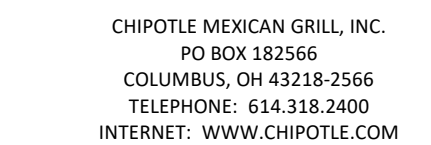
VOLTS: 208/120V Wye															PANEL: B	
PHASES: 3															MAINS: LUGS	
WIRES: 4															AMPERAGE: 400 A	
MOUNTING: Recessed															MCB RATING: 0 A	
ENCLOSURE: Type 1																
CKT #	DESCRIPTION	C/B [A]	# PLS	NOTES	LOAD [A]	LOAD TYPE	LOAD [kVA] A	LOAD [kVA] B	LOAD [kVA] C	LOAD TYPE	LOAD [A]	NOTES	# C/B [A]	DESCRIPTION	CKT #	
1	CARBONATOR/CO2 ALARM Sistema de carbonatación y alarma de CO2	20	1	GFCI	10.8	F	1.3	1.4		F	11.3		1	20 FOOD PREP TABLE Mesa para la preparación de alimentos	2	
3	FOOD PREP TABLE (ISLAND) Mesa para la preparación de alimentos (isla)	20	1		11.3	F		1.4	1.1	F	9.3	GFCI	1	20 SODA SYSTEM DISPENSER Dispensador para el sistema de refrescos	4	
5	FOOD PREP TABLE APVT	20	1	GFCI	1.5	F			0.2	1.4	F	12.0	GFCI	1	20 ICE MAKER - UTENSIL COUNTER Máquina para hacer hielo	6
7	REACH-IN REFRIGERATOR Cuarto frigorífico	20	1	GFCI	10.0	F	1.2	1.0		F	8.5	GFCI	1	20 BUBBLER	8	
9	READY-TO-DRINK REFRIGERATOR	20	1	GFCI	8.8	F		1.1	0.2	F	1.5	GFCI	1	20 UV INSECT LIGHT TRAP	10	
11	COLD TOP (SERVE LINE) Tabla fría (línea de servicio)	20	1		12.0	F			1.4	1.0	F	10.0		2	20 CARVING STATION Estación para cortar carnes	12
13	ICE MAKER SANITIZER Desinfectante de la máquina para hacer hielo	20	1	GFCI	1.5	F	0.2	1.0							14	
15	ICE MAKER Máquina para hacer hielo	20	1	GFCI	16.0	F		1.9	2.1		F	20.0		2	30 HOT FOOD SERVER (SERVE LINE) (2-#10, #10 N, #10 G. in 3/4" C.) Servidor de alimentos	16
17	GAS WATER HEATER Calentador de agua a gas	20	1	GFCI	5.0	F			0.6	2.1					18	
19	GAS GRIDDLE Plancha de gas	20	1	GFCI	0.6	F	0.1	0.0			--	--	1	20 SPARE	20	
21	GAS FRYER/RICE COOKER Freidora de gas / Olla arrocerá	20	1	GFCI	0.5	F		0.1	1.4		F	13.0	GFCI	2	20 TORTILLA PRESS (SERVE LINE) (2-#10, #10 N, #10 G. in 3/4" C.) Calentador de tortillas	22
23	FOOD WARMER (RICE TABLE) Calentador de alimentos (mesa para el arroz)	15	1		1.5	F			0.2	1.4					24	
25	TORTILLA PRESS (DML) (2-#10, #10 G. in 3/4" C.) Calentador de tortillas (línea del fax)	20	2	GFCI	13.0	F	1.4	0.3		F	2.6		1	20 REFRIGERATOR (COOK LINE) Refrigerador (línea para cocinar)	26	
27								1.4	2.1	F	20.0	GFCI	2	30 HOT FOOD SERVER (DML) (2-#10, #10 N, #10 G. in 3/4" C.) Servidor de alimentos calientes (línea de fax)	28	
29	UPRIGHT REFRIGERATOR Refrigerador vertical	20	1	GFCI	10.0	F			1.2	2.1					30	
31	DISH MACHINE (2-#10, #10 G. in 3/4" C.) Lavavajillas	30	2		25.0	F	2.6	1.4		F	11.7	GFCI	1	20 FOODWARMER (DML) Calentador de alimentos (línea de fax)	32	
33								2.6	1.2	F	10.0	GFCI	1	20 COLD TOP (DML) Tabla fría (línea de fax)	34	
35	QUESADILLA MAKER (2-#10, #10 G. in 3/4" C.)	30	2	GFCI	28.0	F			2.9	1.1					36	
37							2.9	1.1		F	9.4		3	15 CU-1 (3-#10, #10 G. in 3/4" C.)	38	
39	UNDERCOUNTER COOLER (PUW)	20	1	GFCI	1.5	F		0.2	1.1						40	
41	QUESADILLA MAKER (2-#10, #10 G. in 3/4" C.)	30	2	GFCI	28.0	F			2.9	0.0	F	0.2		1	20 WIC - DOOR SECTION	42
43							2.9	0.2		F	1.5		1	20 WIC - EVAPORATOR	44	
45	ICE MAKER (PUW) Máquina para hace hielo	20	1	GFCI	12.5	F		1.5	0.0	--	--		1	20 SPARE	46	
47	SODA SYSTEM DISPENSER (PUW)	20	1	GFCI	9.2	F			1.1	0.0	--	--	1	20 SPARE	48	
49	SPARE	20	1	--	--	0.0	0.0			--	--		1	20 SPARE	50	
51	SPARE	20	1	--	--		0.0	0.0		--	--		1	20 SPARE	52	
53	SPARE	20	1	--	--				0.0	0.0	--	--	1	20 SPARE	54	
PHASE TOTAL [kVA]:							19.0 kVA	19.2 kVA	19.7 kVA							
PHASE TOTAL [AMPS]:							158 A	160 A	164 A							





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Issue Record:	
<u>08/26/2024</u>	PERMIT SET
<u>11/22/2024</u>	BID SET
<u>12/20/2024</u>	CONSTRUCTION SET

Drawn: EEP Checked: JEJ

Contents:

E705

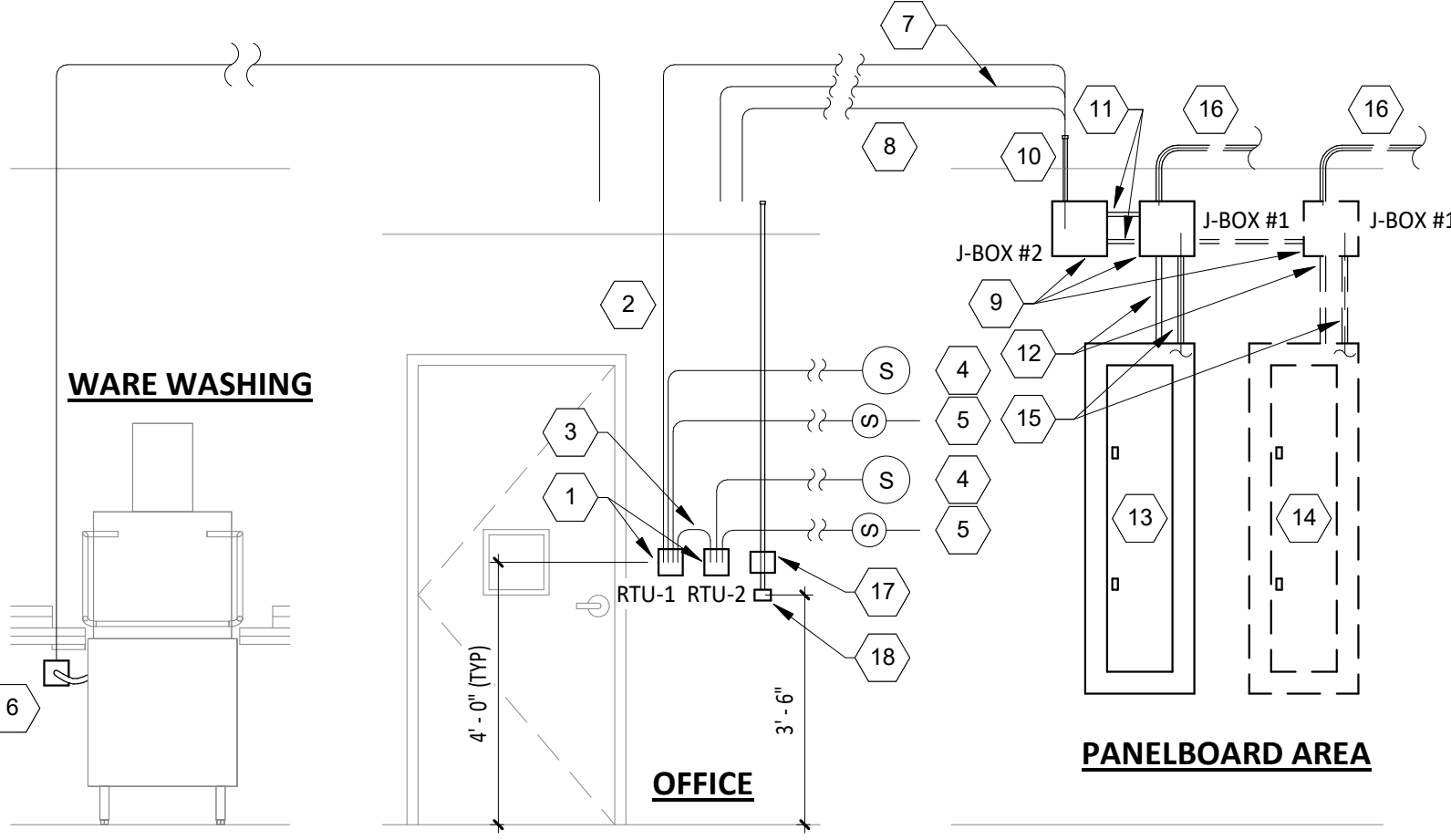


GRIDPOINT DIAGRAM NOTES

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 CAT5E 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 CAT5E 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. PROVIDE 18G-24G SHIELDED TWISTED PAIR FROM ZSM TO CORRESPONDING THERMOSTAT T1 TERMINALS. SEE GRIDPOINT INSTALLATION INSTRUCTIONS FOR TERMINATION INSTRUCTIONS.
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) CAT5E 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. IF SPACE HAS MULTIPLE ELECTRICAL SERVICES THEN PROVIDE A "J-BOX #1" AND ASSOCIATED BREAKERS, CONDUITS, AND CONDUCTORS ON THE FIRST PANELBOARD FED FROM EACH ELECTRICAL SERVICE.
15. FOR EACH ELECTRICAL SERVICE PROVIDE (1) SET OF [(4) #12, #12 G.] FROM 3-POLE GRIDPOINT CIRCUIT BREAKER AND, IF THE PANELBOARD HAS 120V CIRCUITS AVAILABLE, (1) SET OF [(2) #12, #12 G.] FROM 1-POLE 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.
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.

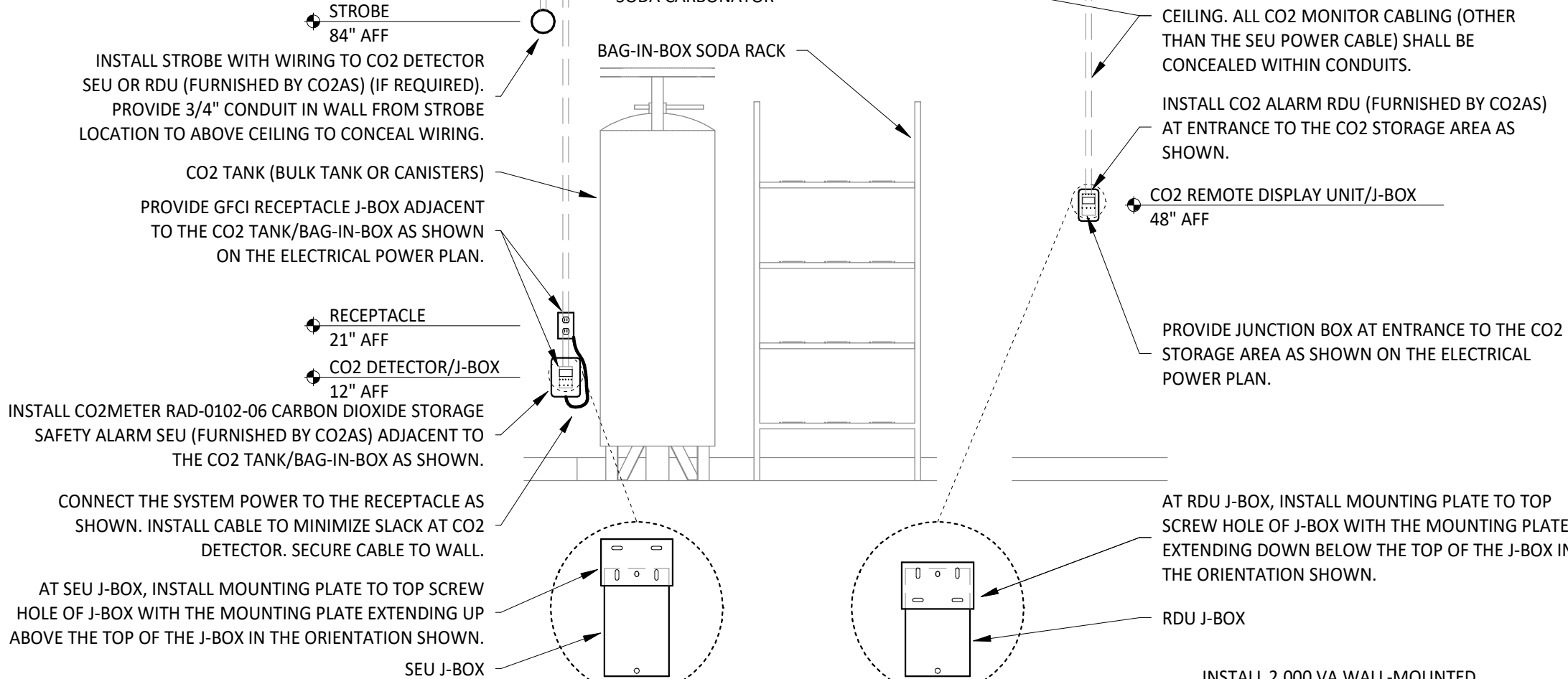


8
E710
GRIDPOINT WIRING DIAGRAM
NOT TO SCALE

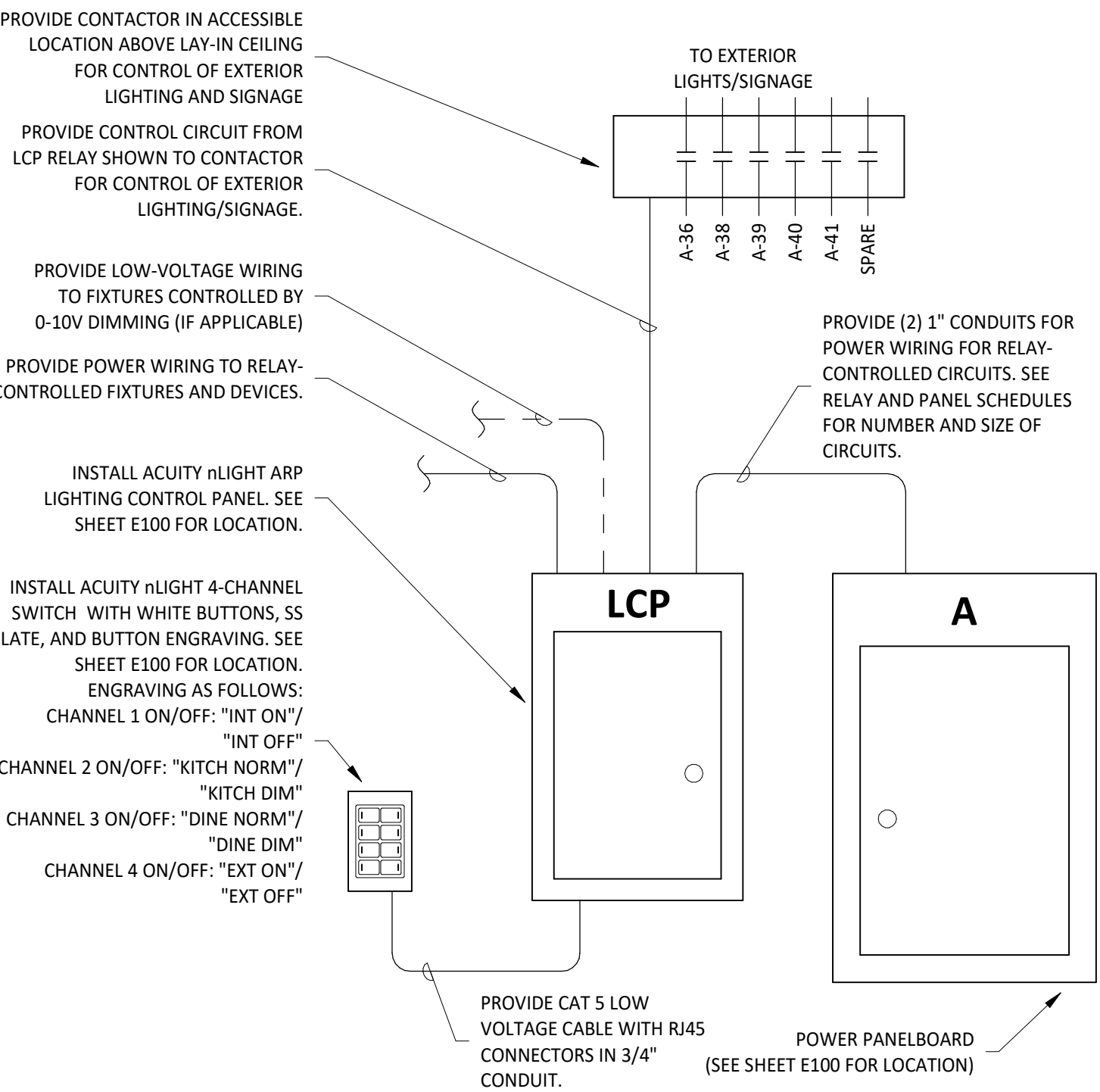
SEQUENCE OF OPERATIONS

- 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.

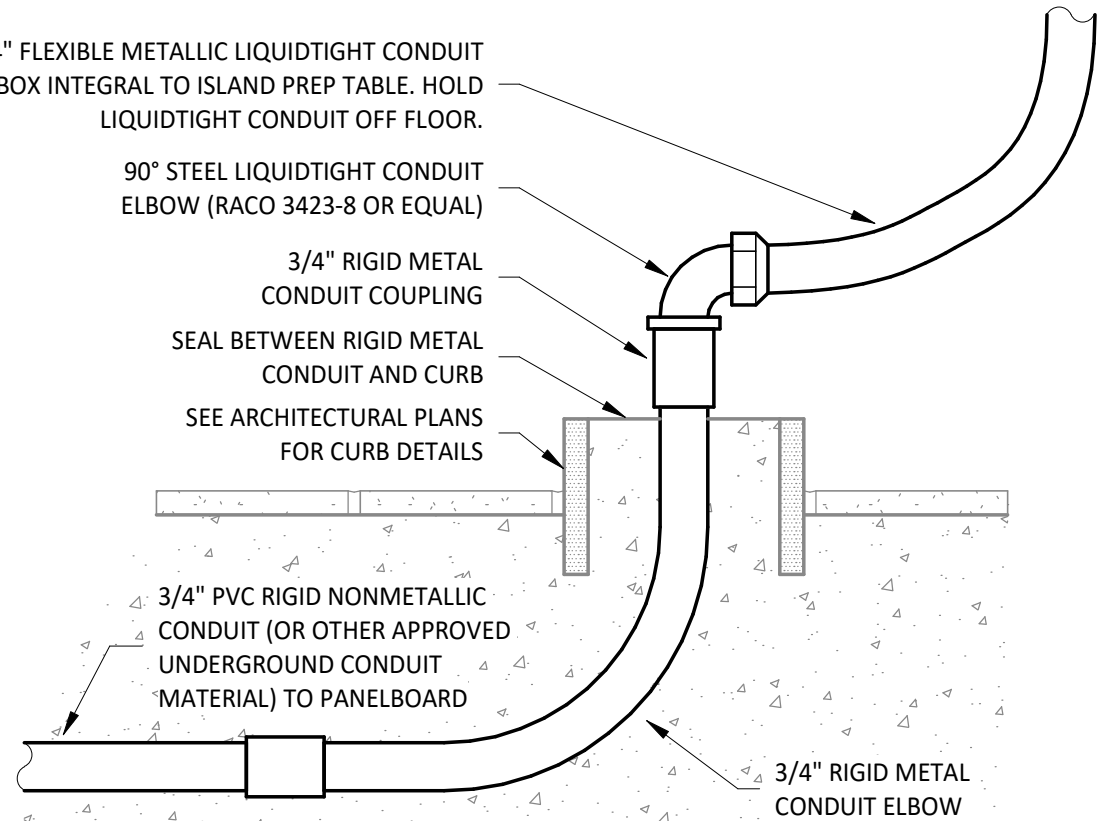
CO2 ALARM OPTIONS	
CO2 DETECTOR	X
CO2 REMOTE DISPLAY UNIT	X
REMOTE STROBE	
RELAY	



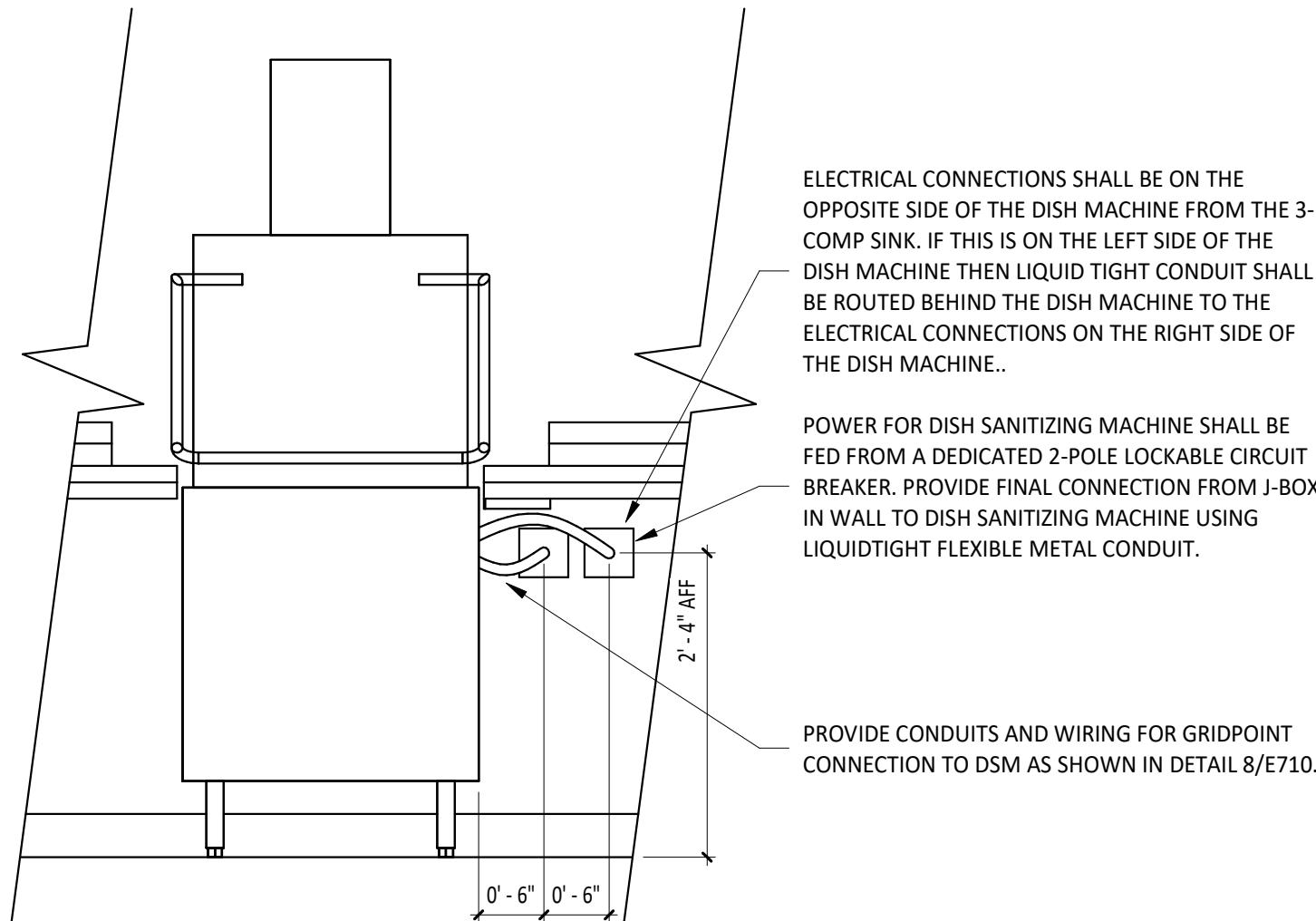
4
E710
CO2 ALARM DETAIL
NOT TO SCALE



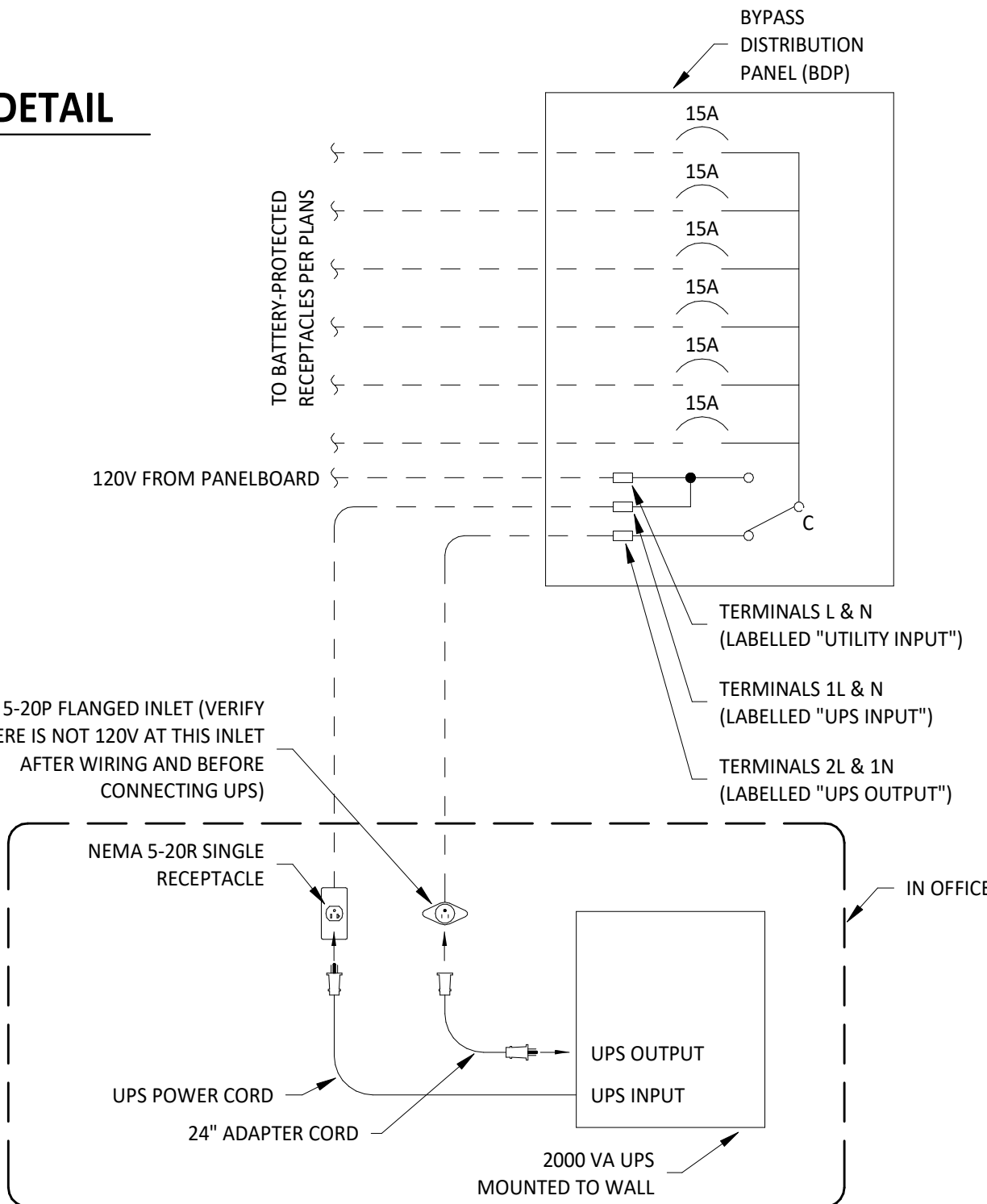
6
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LIGHTING CONTROL DIAGRAM
NOT TO SCALE



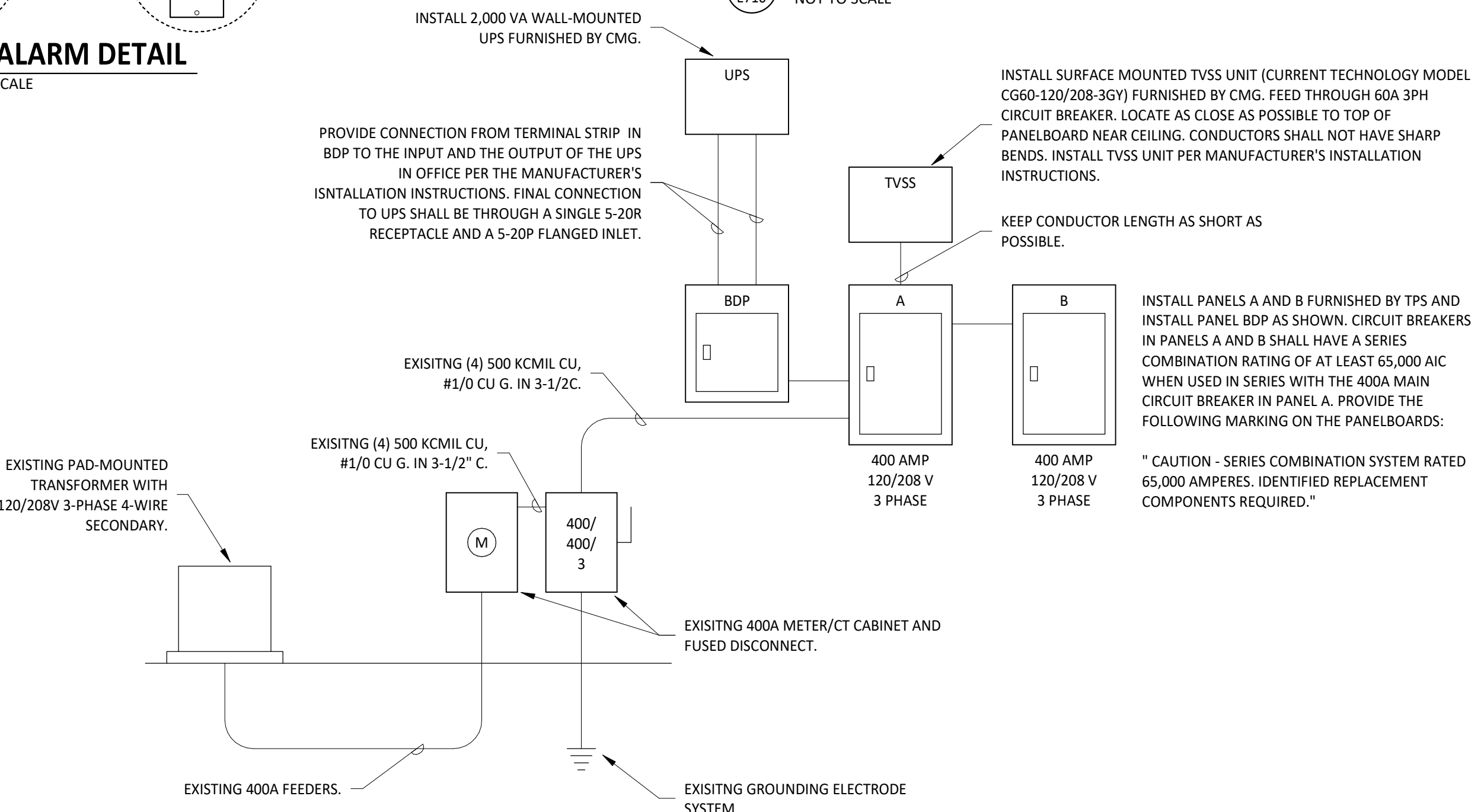
2
E710
PEDESTAL OUTLET DETAIL
NOT TO SCALE



7
E710
DISH SANITIZING MACHINE ELECTRICAL DETAIL
NOT TO SCALE



3
E710
BYPASS DISTRIBUTION PANEL WIRING DIAGRAM
NOT TO SCALE



1
E710
MAIN DISTRIBUTION DIAGRAM
NOT TO SCALE

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Contents:

ELECTRICAL DETAILS

E710