

PROJECT GENERAL NOTES			
A.	IN ADDITION TO THE GENERAL NOTES LISTED HEREIN, THE LATEST EDITION OF AIA DOCUMENT A201 GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION SHALL APPLY.	S.	VEHICULAR ACCESS MUST BE PROVIDED AND MAINTAINED SERVICEABLE THROUGHOUT CONSTRUCTION.
B.	WORK SHALL BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL CODES, ORDINANCES, LAWS AND REQUIREMENTS.	T.	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.
C.	WORK, WHEN COMPLETED, SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT AND LOCAL ACCESSIBILITY REQUIREMENTS.	U.	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.
D.	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.	V.	ALL CONTRACTORS FOR THE WORK ARE REQUIRED TO HAVE INSURANCE OF ALL TYPES AND LIMITS, AS REQUIRED FOR THIS PROJECT.
E.	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.	W.	REFER TO ENGINEERED CONSTRUCTION DOCUMENTS BY OTHERS FOR ADDITIONAL PERTINENT INFORMATION.
F.	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.	X.	REFER TO INDIVIDUAL DRAWINGS WITHIN THIS SET OF CONSTRUCTION DOCUMENTS FOR ADDITIONAL GENERAL NOTES.
G.	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.	Y.	GENERAL CONTRACTOR IS RESPONSIBLE TO CONTACT (client, landlord, etc) 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.
H.	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.	Z.	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.
I.	THE STATED DIMENSIONS SHALL TAKE PRECEDENCE OVER GRAPHIC. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES.	AA.	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.
J.	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.	BB.	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.
K.	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.	CC.	GENERAL CONTRACTOR SHALL ADHERE AND COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS REGARDING JOB SAFETY.
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.	DD.	GENERAL CONTRACTOR IS RESPONSIBLE TO CARRY WORKER'S COMPENSATION AS REQUIRED BY LAW AND/OR GOVERNING AUTHORITY.
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.	EE.	GENERAL CONTRACTOR IS RESPONSIBLE FOR THE SAFETY AND CARE OF ADJACENT PROPERTIES DURING CONSTRUCTION.
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.	FF.	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.
d.	IF THE REQUEST FOR INFORMATION IS SUBMITTED WITH FIVE WORKING DAYS OR LESS FROM 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.	GG.	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.
e.	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.	HH.	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. b. CONNECTIONS TO DOMESTIC WATER, SANITARY AND GREASE WASTE, SANITARY VENT AND SMOKE/FIRE ALARMS. c. INSTALLATION OF PRIMARY DUCTWORK AND CONTROLS. 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 PERMIT WHERE A PLUMBER LIST WHICH ENUMERATES ANY AREAS OF CONSTRUCTION, FIXTURING, LIGHTING OR LAMPING, MERCHANDISING, ETC., THAT ARE NOT IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. ANY STOREFRONT BARRICADE MAY NOT BE REMOVED UNTIL THE INSPECTION AND REQUIRED CORRECTIONS HAVE BEEN COMPLETED. g. PROVIDE LANDLORD REQUIRED PROOF OF BUILDERS RISK INSURANCE AND DAMAGE DEPOSIT PRIOR TO BEGINNING OF ANY SELECTIVE DEMOLITION OR CONSTRUCTION PROCEDURES.
L.	ANY DIMENSIONS, DETAILS, NOTES AND/OR SYMBOLS THAT APPLY TO ONE UNIT, APPLY TO ALL UNITS IN LIKE SITUATIONS, UNLESS NOTED OTHERWISE. FOR THE PURPOSE OF THESE DOCUMENTS, "INSTALLED" 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.	II.	GENERAL CONTRACTOR ASSUMES COMPLETE RESPONSIBILITY WHEN CLIENT FURNISHED ITEMS ARE ACCEPTED AND RECEIVED BY THE GENERAL CONTRACTOR OR THEIR AGENTS.
M.	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.	JJ.	PROVIDE PROTECTION FOR EXISTING OR NEWLY INSTALLED SYSTEMS AND FINISHES FOR THE DURATION OF CONSTRUCTION.
N.	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.	KK.	GENERAL CONTRACTOR IS RESPONSIBLE FOR INSPECTION OF PORTIONS OF WORK ALREADY COMPLETED TO DETERMINE THAT SUCH PORTIONS ARE IN PROPER CONDITION TO RECEIVE SUBSEQUENT WORK.
O.	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.	LL.	MOLD AND MOISTURE MITIGATION - GENERAL CONTRACTOR TO COORDINATE AND ENSURE THAT ANY AREA OF THE BUILDING, MATERIAL, OR ASSEMBLY WITHIN THE BUILDING ENVELOPE IS THOROUGHLY CLEANED AND DRY BEFORE BEING COVERED BY CONSTRUCTION. ANY MOLD, MILDEW OR OTHER MOISTURE CONDITION DEVELOPED WITHIN THE SCOPE OF WORK OF THIS CONTRACT (DEMOLITION OR NEW CONSTRUCTION) SHALL BE CORRECTED AND/OR MITIGATED BY THE GENERAL CONTRACTOR PRIOR TO ADDITIONAL WORK.
P.	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.	MM.	GENERAL CONTRACTOR SHALL COORDINATE WITH DECOR SUPPLIER FOR INFORMATION FOR BIDDING AND INSTALLATION OF ITEMS SUPPLIED IN THE DÉCOR PACKAGE.
Q.		NN.	CONTACT BETWEEN DISSIMILAR METALS SHALL BE LIMITED. WHEN REQUIRED, THE CONTACT SHALL BE PROTECTED AS REQUIRED.
R.		OO.	FURNITURE, OFFICE EQUIPMENT AND OTHER MISCELLANEOUS EQUIPMENT MAY BE PROVIDED BY CLIENT AND NOT INCLUDED IN THIS CONTRACT. GENERAL CONTRACTOR TO VERIFY EQUIPMENT EXTENTS, LOCATION AND COORDINATE AS REQUIRED.
		PP.	REMOVE COMBUSTIBLE RUBBISH DURING CONSTRUCTION FROM THE PROJECT LIMITS CONTINUOUSLY AND DISPOSE OF IN A LEGAL MANNER.
		QQ.	VENDORS ARE RESPONSIBLE FOR DISPOSAL OF SHIPPING/CRATING MATERIALS. VERIFY WITH THE GENERAL CONTRACTOR THE USE OF THE DUMPSTER ON SITE. SUBCONTRACTORS MUST DISPOSE OF THEIR CONSTRUCTION DEBRIS, IF NOT COMPLETED, IT WILL BE COMPLETED AND BACK CHARGED FOR CLEANING. COORDINATE DISPOSAL WITH JOB SUPERINTENDENT.
		RR.	AT THE TIME OF PROJECT COMPLETION, THE PROJECT LIMITS ARE TO BE THOROUGHLY CLEANED PRIOR TO TURNOVER TO CLIENT.
ABBREVIATIONS			
(E)	EXISTING CONSTRUCTION	FRP	FIBERGLASS REINFORCED PANEL
(N)	NEW CONSTRUCTION	FRT	FIRE RETARDANT-TREATED
@	AT	GA	GAUGE
AFF	ABOVE FINISH FLOOR	GALV	GALVANIZED
ALUM	ALUMINUM	GC	GENERAL CONTRACTOR
ARCH	ARCHITECT(URAL)	GYP	GYPSUM
ASS	ALARM SYSTEM SUPPLIER	HES	TENANT'S HVAC EQUIPMENT SUPPLIER
BD	BOARD	HS	HOOD SUPPLIER
BLDG	BUILDING	HVAC	HEATING AND VENTILATING
CMU	CONCRETE MASONRY UNIT	ICP	INITIAL COST PROJECTION
CO2	CO2 SUPPLIER	IFP	IN FOR PERMIT
CO2AS	CO2 ALARM SUPPLIER	INT	INTERIOR
CS	CHEMICAL SUPPLIER	KES	KITCHEN EQUIPMENT SUPPLIER
DIM	DIMENSION(S)	MAX	MAXIMUM
EA	EACH	MECH	MECHANICAL
EL	ELEVATION (VERTICAL HEIGHT)	MFR	MANUFACTURER
ELEC	ELECTRIC(AL)	MIN	MINIMUM
ELEV	ELEVATION	MISC	MISCELLANEOUS
EQ	EQUAL	MSS	MUSIC SYSTEMS SUPPLIER
EXT	EXTERIOR	NIC	NOT IN CONTRACT
FC	FOR CONSTRUCTION	NO	NUMBER
		OC	ON CENTER
		OSB	ORIENTED STRAND BOARD
		PDC	PROTECT DURING CONSTRUCTION
		POS	POINT OF SALE
		PREP	PREPARATION
		PVC	POLYVINYL CHLORIDE
		QT	QUARRY TILE
		R	RADIUS
		RTU	ROOF TOP UNITS
		SIM	SIMILAR
		SPS	SODA POP SUPPLIER
		SS	SUPPORT SIGNAGE
		STR	STRUCTURE
		T	TENANT
		TAB	TENANT'S TEST & BALLANCE VENDOR
		TBD	TO BE DETERMINED, SEE FIELD
		WCS	TENANT'S WALK-IN COOLER SUPPLIER
		TCC	TENANT'S CABLING CONTRACTOR
		TEMS	TENANT'S ENERGY MANAGEMENT SYSTEM SUPPLIER
		THS	TENANT'S HARDWARE SUPPLIER
		TLS	TENANT'S LIGHT/LAMP SUPPLIER
		TMB	TENANT'S MENU BOARD SUPPLIER
		TMS	TENANT'S MILLWORK SUPPLIER
		TP	TENANT'S PHONE SUPPLIER
		TRS	TENANT'S RAILING SUPPLIER
		TSV	TENANT'S SAFE SUPPLIER
		TSS	TENANT'S SMART SAFE SUPPLIER
		TSSV	TENANT'S SIGN VENDOR
		TUV	TENANT'S UV SUPPLIER
		TYP	TYPICAL
		UNO	UNLESS NOTED OTHERWISE
		UPS	UNINTERRUPTED POWER SUPPLY
		VAR	VARIES
		VIF	VERIFY IN FIELD
		W/	WITH
		WAS	WASHROOM ACCESSORIES
		WCS	TENANT'S WALK-IN COOLER SUPPLIER
		WHS	WATER HEATER SUPPLIER
		WNS	TENANT'S WINDOW SHADE SUPPLIER
		Ø	DIAMETER OR ROUND



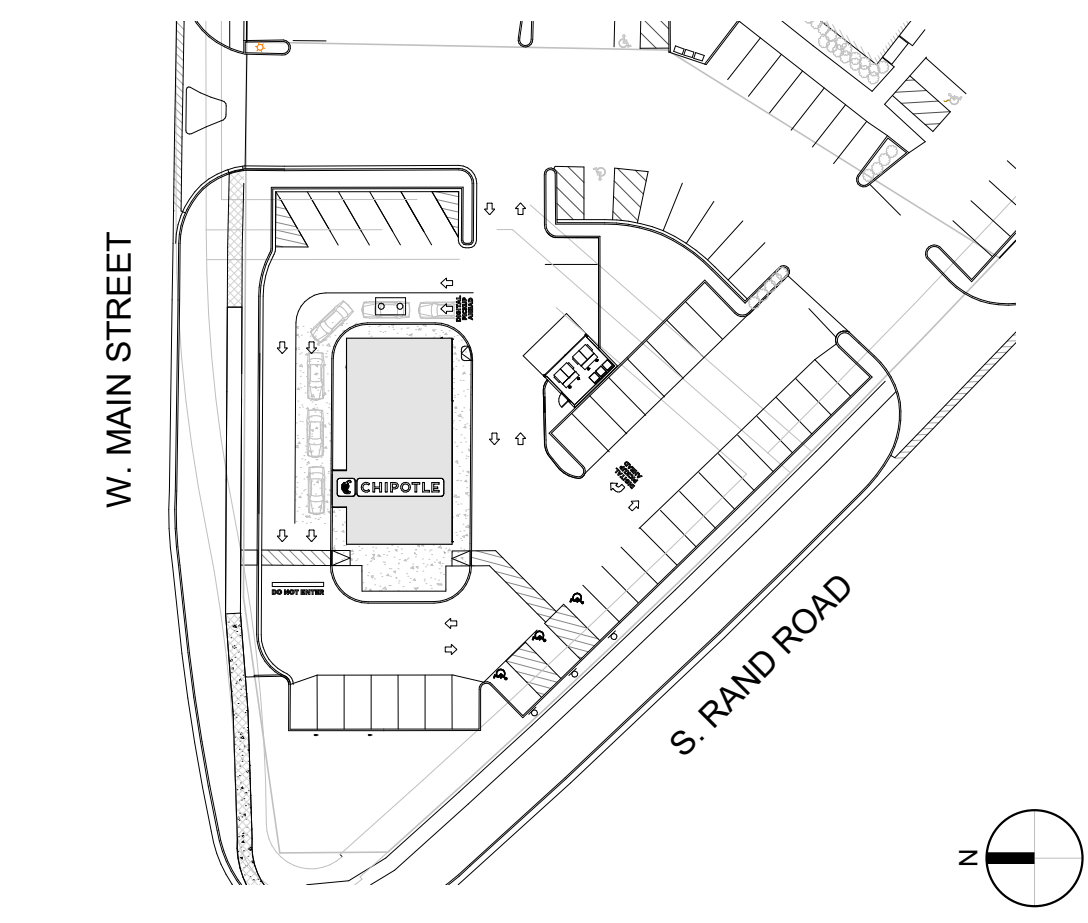
CHIPOTLE

STORE NUMBER: 4915

LOCATION: "LAKE ZURICH"

ADDRESS: 442 S. RAND ROAD LAKE ZURICH, IL 60047

SITE MAP

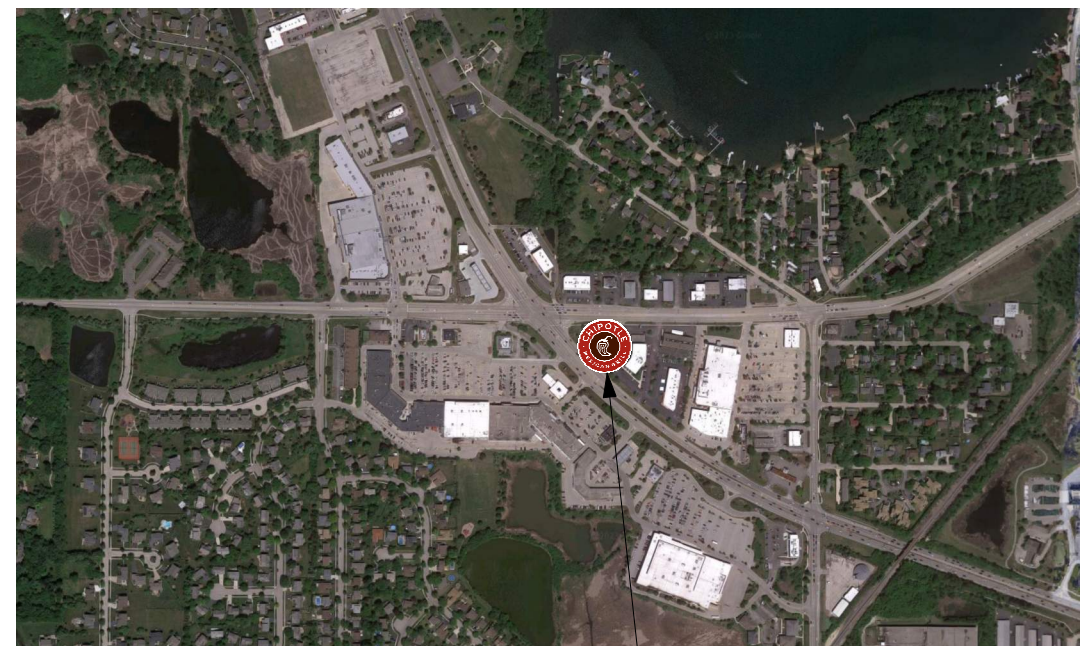


W. MAIN STREET

S. RAND ROAD

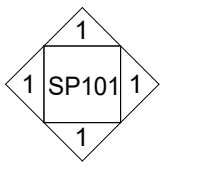
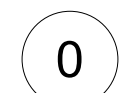
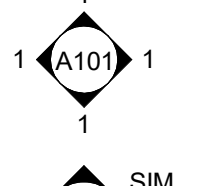
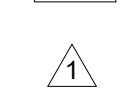
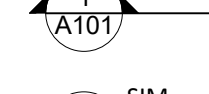
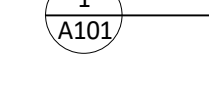
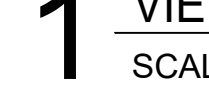
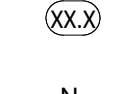
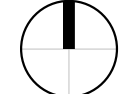
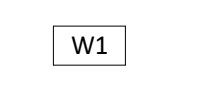
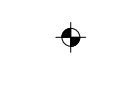
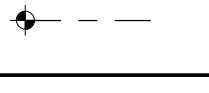
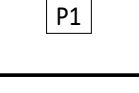
CHIPOTLE "LAKE ZURICH"

LOCATION MAP



CHIPOTLE "LAKE ZURICH"

SYMBOL LEGEND

	EXTERIOR ELEVATION MARKER		COLUMN GRID LABEL
	INTERIOR ELEVATION MARKER		REVISION NUMBER
	SECTION MARKER		DOOR NUMBER
	SECTION / DETAIL		MISCELLANEOUS EQUIPMENT NUMBER
	VIEW NAME		KITCHEN EQUIPMENT NUMBER
	VIEW LABEL		FURNITURE NUMBER
	KEYNOTE & WASHROOM ACCESSORIES NUMBER		NORTH ARROW
	WALL TAG		DIMENSION TARGET
	LEVEL TARGET		FINISH TAG

PROJECT TEAM

LANDLORD TERRACO, INC. 3201 OLD GLENVIEW ROAD, SUITE 300 WILMETTTE, IL 60091 T: 847.679.6660 CONTACT: JOE GOODMAN E: jgoodman@terraco realestate.com T: 847.906.5023	TENANT CHIPOTLE MEXICAN GRILL PO BOX 182666 COLUMBUS, OH 43218-2566 CONTACT: HEATHER CONLEY E: heather.conley@chipotle.com T: (380) 222-7246 C: (614) 816-1382 MECHANICAL ELECTRICAL PLUMBING ENGINEER AYRES ASSOCIATES - GAUSMAN & MOORE 1700 HIGHWAY 36 WEST, SUITE 700 ST. PAUL, MN 55113 CONTACT: AMANDA ELMS E: elmsa@ayresassociates.com T: (651) 604-3112 CONTACT: RAY DALY E: dalyr@areaassociates.com T: (651) 639-9606
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ARCHITECT WILKUS ARCHITECTS INC. 15 NINTH AVENUE NORTH HOPKINS, MN 55433 CONTACT: DAVE ALDERINK E: dval@wilkusarch.com T: (952) 592-0028	STRUCTURAL ENGINEER VAA ENGINEERING 2300 BERKSHIRE LANE N, SUITE 200 PLYMOUTH, MN 55441 CONTACT: TERRY MAHR E: tmahr@vaeng.com T: (763) 577-9119
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REGULATORY AUTHORITIES

ZONING DEPARTMENT VILLAGE OF LAKE ZURICH BUILDING AND ZONING DIVISION 505 TELSER ROAD LAKE ZURICH, IL 60047 T: 847.540.1696 EXT. 2 TIM VERBEKE - PLANNER E: tim.verbeke@lakezurich.org T: 847.540.1759	BUILDING DEPARTMENT VILLAGE OF LAKE ZURICH BUILDING AND ZONING DIVISION 505 TELSER ROAD LAKE ZURICH, IL 60047 T: 847.540.1696 X2 TIM VERBEKE - PLANNER E: tim.verbeke@lakezurich.org T: 847.540.1759
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FIRE DEPARTMENT VILLAGE OF LAKE ZURICH FIRE PREVENTION BUREAU 1075 OLD MCHEENY ROAD LAKE ZURICH, IL 60047 BOB KLEINHEINZ - FIRE PREVENTION SPECIALIST E: bob.kleinheinz@lakezurich.org T: 847.540.5073 EXT.1502	WATER & SEWER UTILITY COMMUNITY SERVICES 505 TELSER ROAD LAKE ZURICH, IL 60047 T: 847.540.1696 T: 847.550.1773 STEVE SCHMITT - SUPER INTENDENT E: steve.schmitt@lakezurich.org
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NATURAL GAS UTILITY NICOR GAS PO BOX 190 AURORA, IL 60507 T: 888.642.6748 SHERI GETZ E: sgetz@nicorthermo.com T: 815.251.9431	ELECTRICAL UTILITY COMED PO BOX 805379 CHICAGO, IL 60680 T: 800.334.7661 T: 866.639.3532 (NEW CONSTRUCTION)
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HEALTH DEPARTMENT LAKE COUNTY HEALTH DEPARTMENT & COMMUNITY HEALTH CENTER FOOD PROTECTION PROGRAM 500 WEST WINCHESTER ROAD SUITE 102 LIBERTYVILLE, IL 60048 T: 847.377.8020	TELEPHONE UTILITY AT&T 7200 W. ARCHER AVE SUMMIT, IL 60501 T: 708.458.1500
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SIGNAGE VENDOR	
JONES SIGN 1711 SCHEURING RD. DE PERE, WI 54115 JERRY SZYMANSKI E: jszymanski@jonesign.com T: (920) 241-3933 ext. 1686	

UTILITY COORDINATOR	
NOTE TO GENERAL CONTRACTOR FOR ALL WATER, SEWER, NATURAL GAS, & ELECTRICITY UTILITIES CONTACT THE FOLLOWING	HDGROUP, INC. 295 LUNA LN. ERIE, CO 80516 CONTACT #1: MELISSA BALCERAK E: mbalcerak@hdrogroupinc.com T: (972) 396-8409 F: (214) 291-5597 CONTACT #2: KRISTI RHODES E: krhodes@hdrogroupinc.com T: (972) 396-8409 EXT 304 F: (214) 291-5597 CONTACT #3: CAROLYN LETHIN E: cletthin@hdrogroupinc.com T: (972) 396-8409 F: (214) 291-5597

SCOPE OF WORK

TENANT INTERIOR FIT OUT OF A VACANT SHELL SPACE. WORK INCLUDES, BUT IS NOT LIMITED TO, INTERIOR FINISHES, TOILET ROOMS, EXTENSION OF UTILITIES, AND MODIFICATIONS TO ACCOMMODATE A NEW RESTAURANT. OUTDOOR PATIO FURNITURE WILL BE INSTALLED. SIGNAGE IS UNDER A SEPARATE COVER.

SHEET INDEX	
SHEET NO.	SHEET NAME
GENERAL	REVISION
G000	COVER SHEET
G001	CODE ANALYSIS - LIFE SAFETY PLAN
G002	ACCESSIBILITY STANDARDS
SPECIFICATIONS	
G010	ARCHITECTURAL SPECIFICATIONS
G011	ARCHITECTURAL SPECIFICATIONS
G012	ARCHITECTURAL SPECIFICATIONS
G013	ARCHITECTURAL SPECIFICATIONS
G014	ARCHITECTURAL SPECIFICATIONS
G015	ARCHITECTURAL SPECIFICATIONS
G016	ARCHITECTURAL SPECIFICATIONS
G017	ARCHITECTURAL SPECIFICATIONS
SITE PLAN	
SP100	SITE PLAN
SP101	SITE DETAILS
ARCHITECTURAL	
A101	SLAB WORK PLAN
A110	ARCHITECTURAL FLOOR PLAN
A111	ARCHITECTURAL WALL TYPES
A120	FINISH PLAN
A130	FF&E PLAN
A131	FF&E SCHEDULES
A140	ARCHITECTURAL ROOF PLAN
A201	REFLECTED CEILING PLAN
A210	CEILING DETAILS
A211	LIGHTING DETAILS
A301	EXTERIOR ELEVATIONS
A502	INTERIOR SECTIONS
A601	DOOR & HARDWARE SCHEDULE
A701	ELEVATIONS - INTERIOR DINING
A702	ELEVATIONS - INTERIOR KITCHEN
A710	RESTROOM INFORMATION
A801	FINISH DETAILS - GENERAL
A802	FINISH DETAILS - TILE
A803	FINISH DETAILS - WOOD
STRUCTURAL	
S000	GENERAL STRUCTURAL NOTES
S100	SLAB ON GRADE PLAN AND DETAILS
S200	ROOF FRAMING PLAN
FIRE PROTECTION	
F100	FIRE PROTECTION PLAN
HVAC	
M010	MECHANICAL SPECIFICATIONS
M100	HVAC PLAN
M600	HVAC SCHEDULES
M700	HVAC DETAILS
PLUMBING	
P010	PLUMBING SPECIFICATIONS
P100	PLUMBING PLAN WATER & GAS
P110	PLUMBING PLAN WASTE & VENT
P600	PLUMBING SCHEDULES
P700	PLUMBING DETAILS
ELECTRICAL	
E010	ELECTRICAL SPECIFICATIONS
E100	ELECTRICAL LIGHTING PLAN
E110	ELECTRICAL POWER PLAN
E115	ELECTRICAL SITE POWER PLAN
E600	ELECTRICAL SCHEDULES
E700	ELECTRICAL INTERIOR ELEVATIONS
E705	ELECTRICAL INTERIOR ELEVATIONS
E710	ELECTRICAL DETAILS

PROJECT NO.: 4915

"LAKE ZURICH"

442 S. RAND ROAD

LAKE ZURICH, IL 60047

SEAL

LICENSED ARCHITECT

REG. NO. 001023967

MATTHEW M. WILKUS

STATE OF ILLINOIS

July 15, 2024

MATTHEW M. WILKUS

LICENSE #001.023967

(EXPIRES 11/30/2024)

PROJECT NO. 2023-0056

DRAWN BY JSB

CHECKED BY DVA

ISSUE RECORD:

01/11/2024

PERMIT SET

06/12/2024

BID SET

07/01/2024

CONSTRUCTION SET

REVISIONS:

1

05/10/2024

BUILDING COMMENTS

2

06/12/2024

BID SET

3

07/01/2024

CONSTRUCTION SET

TITLE:

COVER SHEET

SHEET NUMBER:

G000



WILKUS ARCHITECTS

CONSULTANT:

CLIENT:

CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182666
COLUMBUS, OH 43218-2566
TELEPHONE: (614) 316-2482
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: 4915

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05/10/2024

BUILDING COMMENTS

2

06/12/2024

BID SET

3

07/01/2024

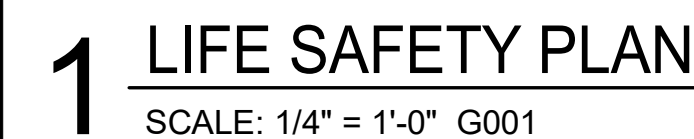
CONSTRUCTION SET

TITLE:

COVER SHEET

SHEET NUMBER:

G000



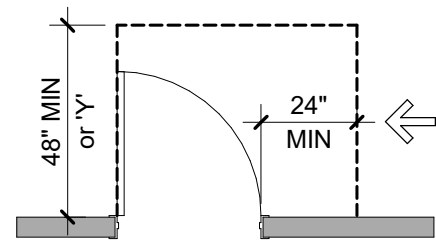
G001

ILLINOIS ACCESSIBILITY CODE

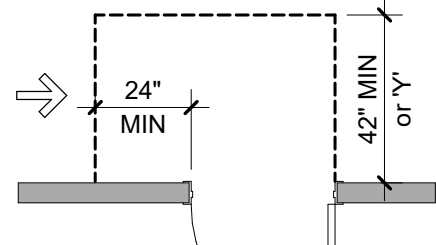
ALL INTERIOR CONSTRUCTION WITHIN THE SCOPE OF THIS PROJECT IS REQUIRED TO BE ACCESSIBLE AS SET FORTH IN THE "ILLINOIS ADMINISTRATIVE CODE, TITLE 71, CHAPTER 1, SUBCHAPTER b, PART 400. SECTIONS INDICATED ON THIS SHEET REFERENCE THE "2010 ADA STANDARDS FOR ACCESSIBLE DESIGN, UNLESS NOTED OTHERWISE.

DOORS

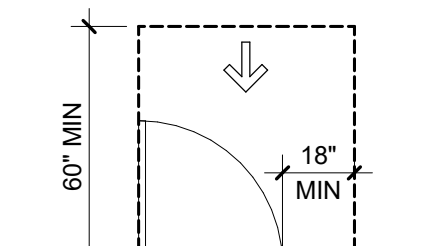
- Doors, doorways, and gates that are part of an accessible route shall comply with 404.
- Door openings shall provide a clear width of 32 inches, unless the opening is more than 24 inches deep, in which case the clear width of the opening shall be 36 inches. For swinging doors, the clear width shall be measured between the face of the door and the stop, with the door open 90 degrees.
- There shall be no projections into the clear opening lower than 34 inches. Projections into the clear opening between 34 inches and 80 inches shall not exceed 4 inches.
- In accordance with 404.2.3 exception 2, door closers and stops shall be permitted to be a minimum of 78 inches above the floor or ground.
- Maneuvering clearances at doors and gates shall comply with 404.2.4.
- Fire doors shall have a minimum opening force allowable by the appropriate administrative authority.
- Hinged doors other than fire doors shall have an opening force of 5 pounds maximum.
- Sliding doors shall have an opening force of 5 pounds maximum.
- Door and gate surfaces shall comply with 404.2.10.
- Doors shall be permitted to swing into turning spaces, per 304.4.
- Two doors in a series shall comply with Illinois Accessibility Code, Illustration B, Figure 26.



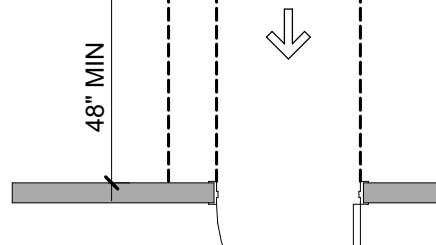
NOTE: Y = 54" MIN.
if door has a closer



NOTE: Y = 48" MIN.
if door has a closer

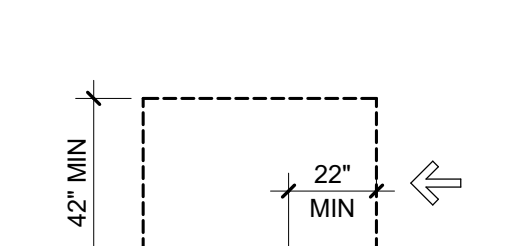


NOTE: X = 12" MIN.
if door has both a
closer and a latch

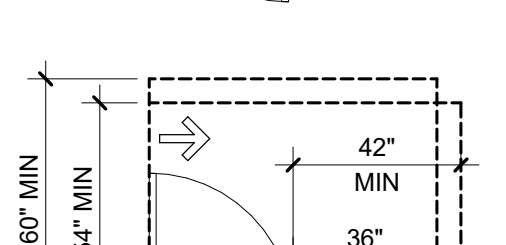


Latch-Side Approaches - Swinging Doors

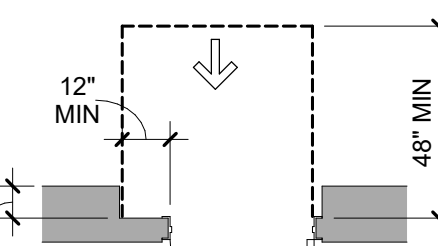
Front Approaches - Swinging Doors



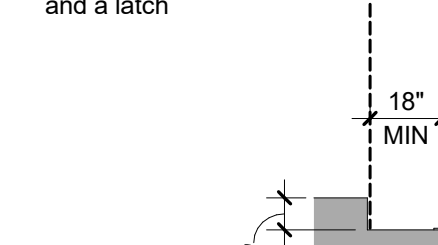
NOTE: X = 12" MIN.
if door has both a
closer and a latch



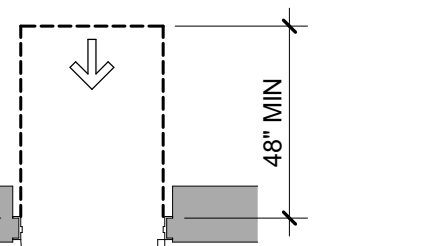
Hinge-Side Approaches - Swinging Doors



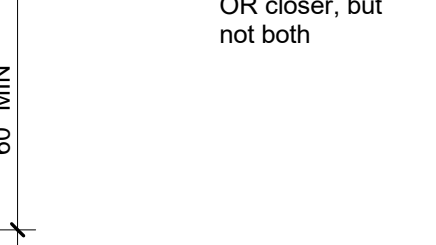
NOTE: Door has
both a closer
and a latch



Recessed Doors and Gates



NOTE: Door can have
either a latch
OR closer, but
not both

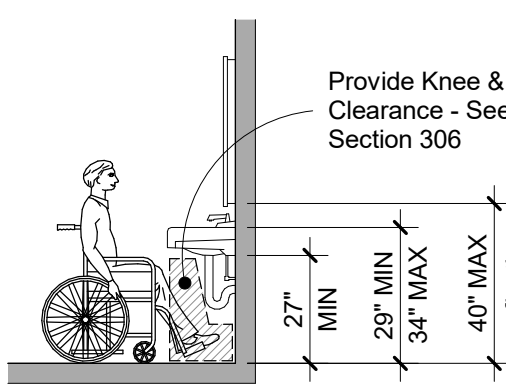


Doors in Series and Gates in Series

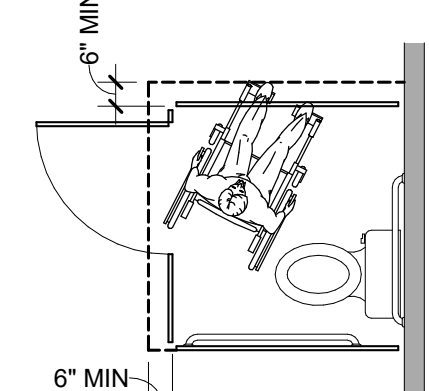
RESTROOMS & DRINKING FOUNTAINS

- Where toilet facilities are provided, they shall comply with 213. Where toilet rooms are provided, each toilet room shall comply with 603.
- Where toilet compartments are provided, at least one toilet compartment shall comply with 604.8.1. In addition to the compartment required to comply with 604.8.1, at least one compartment shall comply with 604.8.2 where six or more toilet compartments are provided, or where the combination of urinals and water closets totals six or more fixtures.
- Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40 inches maximum above finish floor or ground. Mirrors not located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35 inches maximum above the finish floor or ground.
- Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches minimum and 48 inches maximum above the finish floor.

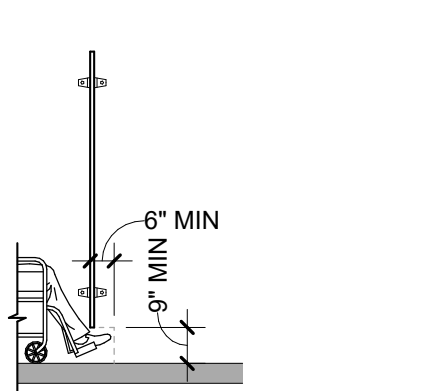
- Water closets shall comply with 604.2 through 604.8.
- Water closets shall be located 18" horizontally from the sidewall to the center of the toilet (Section 400.3.1(n)(5)(B)(i) and 400, Illustration B, Figure 28).
- Toilet paper dispensers shall comply with Illinois Accessibility Code, Illustration B, Figure 30, measured to the centerline of the dispenser. The outlet of the dispenser shall not be located behind grab bars. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.
- Grab bars shall be provided at water closets and shall comply with 609.
- Urinals shall comply with 605 and shall be either wall-hung or stall type urinals.
- Lavatories shall comply with 606. Faucets for lavatories shall comply with 606.4. Exposed pipes under lavatories shall be insulated or otherwise protected to prevent against contact.
- Drinking Fountains shall comply with sections 307 and 602.



Clearances & Heights at Lavatory



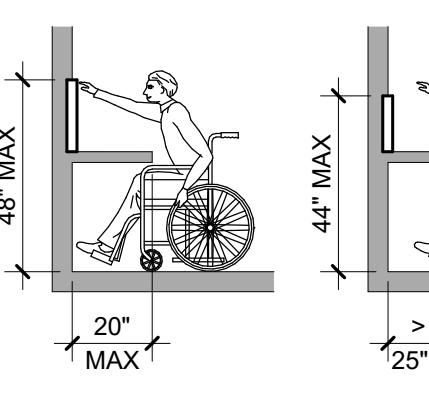
Stall Compartment Toe Clearance



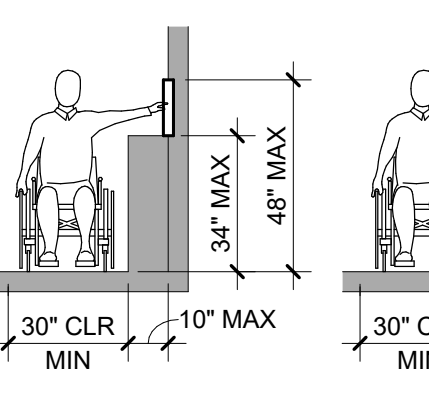
Drinking Fountain Clearance
and Spout Location

REACH RANGES,
CONTROLS &
OPERATING MECHANISMS

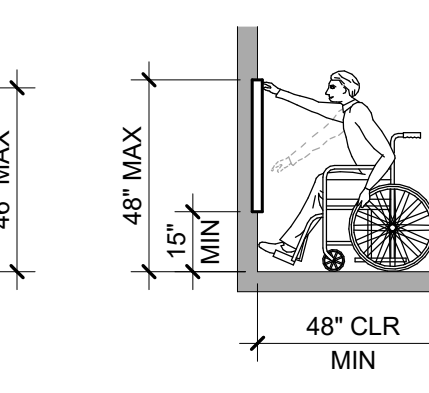
- Reach ranges shall comply with 308.
- Operable parts shall comply with 309 and shall be placed within one or more of the reach ranges specified in 308.
- In accordance with 309.4, operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist.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



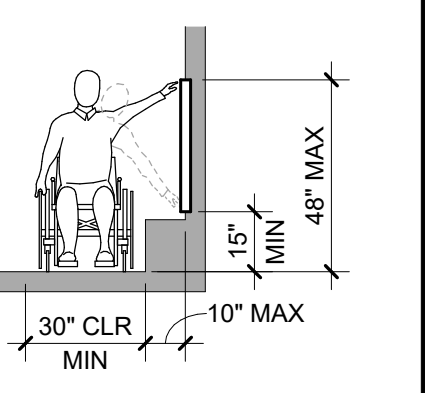
Obstructed Forward Reach



Obstructed Side Reach



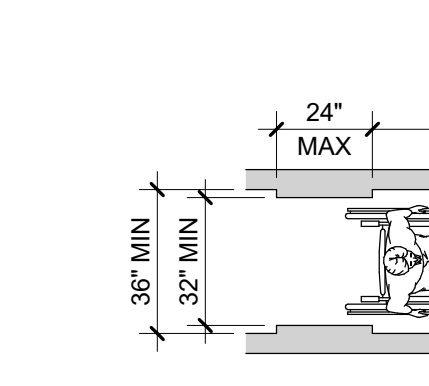
Unobstructed Forward Reach



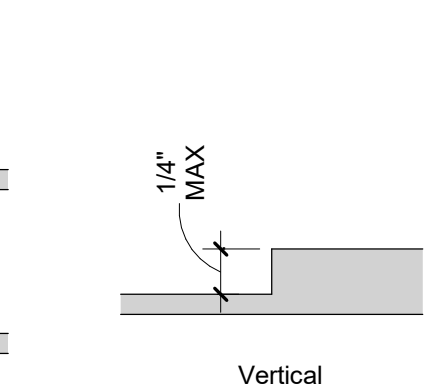
Unobstructed Side Reach

PATH OF TRAVEL

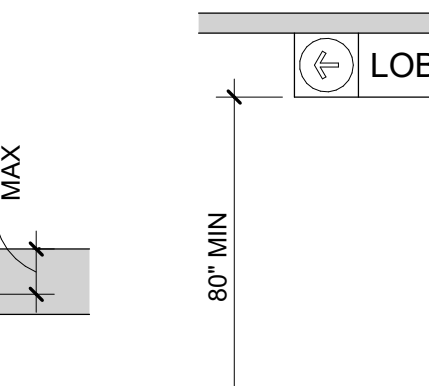
- In accordance with 206.2.4, at least one accessible route shall connect accessible building or facility entrances with all accessible spaces and elements within the building or facility, which are otherwise connected by a circulation path unless exempted by 206.2.3, exceptions 1-7.
- The running slopes of walking surfaces that are part of an accessible route shall not be steeper than 1:20 with a cross slope that is not steeper than 1:48.
- Changes in level shall comply with 303.
- The clear width of walking surfaces on an accessible route shall comply with 403.5.1.
- The clear width at turns along an accessible route shall comply with 403.5.2.
- In accordance with 403.5.3, an accessible route with a clear width of less than 60 inches shall provide passing spaces at intervals of 200 feet.
- Clearances at common-use circulation paths within employee work areas shall comply with 206.2.8.



Clear Width of an Accessible Route



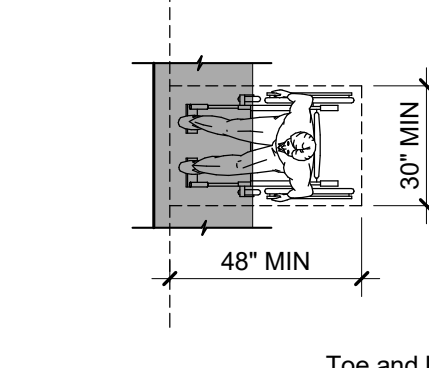
Changes in Level



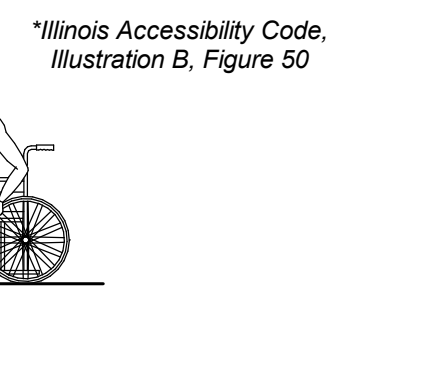
Walking Parallel To A Wall

SEATING AT TABLES
& COUNTERS

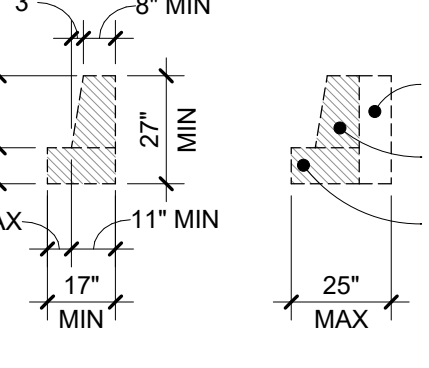
- Where dining surfaces are provided for the consumption of food and drink, at least 5 percent of the seating spaces and standing spaces at the dining surfaces shall comply with 902. In addition, where work surfaces are provided for use by other than employees, at least 5 percent shall comply with 902. Confirm actual seat counts with Table 221.2.1.
- Dining surfaces and work surfaces required to comply with 902 and the IL Accessibility Code, Illustration B, Figure 50, and shall be dispersed throughout the space or facility containing dining surfaces and work surfaces.
- Dining surfaces and work surfaces shall comply with 902.2 and 903.3.



Toe and Knee Clearances



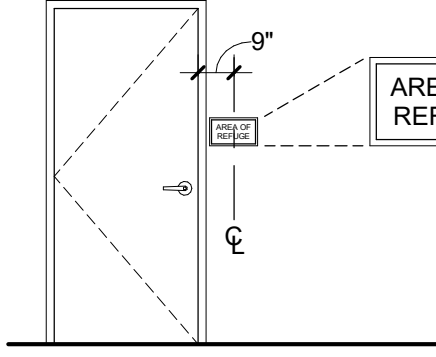
*Illinois Accessibility Code,
Illustration B, Figure 50



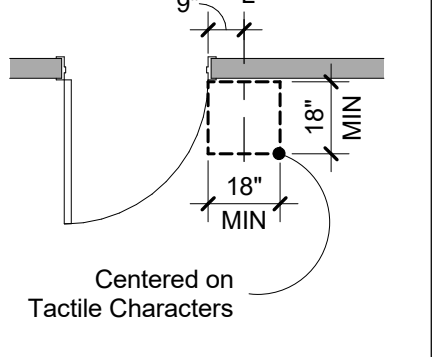
Full Knee Clearance
@ Additional Depth
Knee
Clearance
Toe
Clearance

SIGNAGE

- Signs shall be provided in accordance with 216 and shall comply with 703.
- Signs identifying permanent rooms and spaces shall comply with 703.1, 703.2, and 703.5. Where pictograms are provided as designations of permanent rooms and spaces, the pictograms shall comply with 703.6 and shall have text descriptors complying with 703.2 and 703.5.
- Signs that provide direction to or information about spaces and facilities shall comply with 703.5.
- Signs for means of egress shall comply with 216.4.
- Where more than one check-out aisle is provided, check-out aisles complying with 904.3 shall be identified by the International Symbol of Accessibility complying with 703.7.2.1. Where check-out aisles are identified by numbers, letters, or functions, signs identifying check-out aisles complying with 904.3 shall be located in the same location as the check-out aisle identification.



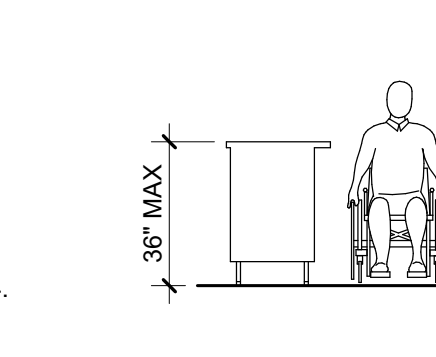
Area of Refuge



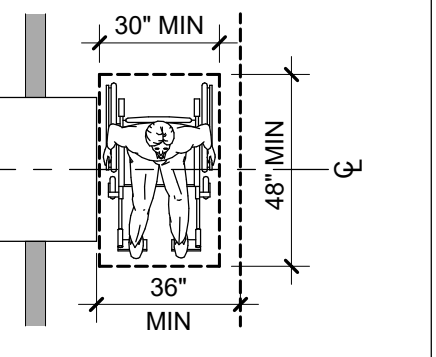
Centered on
Tactile Characters

FOODSERVICE LINES,
TABLEWARE AREAS &
CHECKOUT AISLES

- Where check-out aisles are provided, check-out aisles complying with 904.3 shall be provided in accordance with Table 227.2 and shall be dispersed.
- Where provided, at least one of each type of sales counter and service counter shall comply with 904.4. Where counters are dispersed throughout the building or facility, counters complying with 904.4 also shall be dispersed.
- Food service lines shall comply with 904.5. Where self-service shelves are provided, at least 50 percent, but no fewer than one, of each type provided shall comply with 308.
- Queues and waiting lines servicing counters or check-out aisles required to comply with 904.3 or 904.4 shall comply with 403.
- Check-out aisles and sales and service counters shall comply with the applicable requirements of 904.
- All points of counters required to comply with 904 shall be located adjacent to a walking surface complying with 403.



Parallel Approach at Sales & Service Counters



CONSULTANT:



CLIENT:

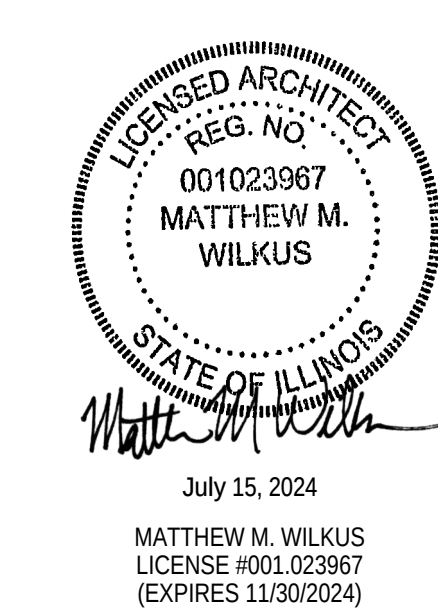


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STORE NO.: 4915
"LAKE ZURICH"
442 S. RAND ROAD
LAKE ZURICH, IL 60047

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PROJECT NO. 2023-0056
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REVISIONS:

TITLE:

ACCESSIBILITY
STANDARDS

SHEET NUMBER:

G002

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 C-779, 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.

c. 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.

d. 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.

2. 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 be no 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

DIVISION 8 - DOORS AND WINDOWS

SECTION 08110 - STEEL DOORS AND FRAMES

1.1 General: Tenant to provide steel doors and frames as shown and specified.

- A. Standards: Materials and construction shall conform to the following:
- ANSI A250.8-2009 "Specifications for Standard Steel Doors and Frames."
 - ANSI A250.11-01 "Erection Instructions for Steel Frames."
 - SDI 122-99 "Installation for Standard Steel doors and Frames.

B. Manufacturer: A member of the Steel Door Institute (SDI).

2.1 Materials:

- A. Steel Doors:
- Interior: Heavy-duty Level 2, physical performance B, Model 2 seamless construction, ASTM A1008, 18 gage cold-rolled steel face sheets, manufacturer's standard core.

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.

B. Steel Frames: ASTM A1008, 16 gage cold-rolled steel.

- Provide combination buck, jamb and trim type frames for 1-3/4" thick doors, unless otherwise indicated.
- Interior and exterior frames: Set-up welded type with mitered corners, reinforced, fully seam welded with exposed welds ground smooth.

C. Door and frame fabrication:

- Provide cutouts for mortised hardware, accurately located and made to fit hardware. Provide closer reinforcement for all doors with surface-mounted door closers.
- Punch frames and factory install rubber door silencers.
- Provide minimum three anchors of suitable design for each jamb.
- Provide floor clip on bottom of each jamb. Provide angle spreaders at bottom of each set-up frame.

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.

3.1 Installation:

A. Install frames plumb, level, rigid, and in true alignment as recommended in ANSI A250.11.

B. Install doors plumb and in true alignment and fastened to achieve the maximum operational effectiveness and appearance as recommended in SDI 122.

SECTION 084113 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

1.1 General: Provide aluminum entrances and storefronts as shown and specified.

1.2 Related Documents:

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this section.
- B. Standards: Materials and construction shall conform to the following:
- AAMA SFM-1-87 "Aluminum Storefront and Entrance Manual."

1.3 Summary:

- A. Section Includes:
- Kawneer Architectural Aluminum Storefront Systems, including perimeter trims, stools, accessories, shims and anchors, and perimeter sealing of storefront units.
 - Types of Kawneer Aluminum Storefront Systems:
 - Trifab 601T Storefront System - 2" x 6" nominal dimension; Thermal; Center-Set
 - Trifab VG 451T Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set
 - Kawneer Aluminum Entrances, glass and glazing, and components
 - Types of Kawneer Aluminum Entrances include:
 - 500 Swing Door; Wide stile, 5" vertical face dimension, 1-3/4" depth, high traffic applications or as indicated on Drawings.
 - Kawneer Tube for Feature Exterior Slat Wall
 - Alternate Storefront Systems only when approved by Arch PM and Chipotle DM.
 - YKK
 - YES 60 TU Storefront System - 2" x 6" nominal dimension; Thermal
 - YES 45 TU Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set
 - Oldcastle
 - Series 6000XT Storefront System - 2" x 6" nominal dimension; Thermal
 - Series 3000 Thermal MultiPlane Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set
 - US Aluminum
 - Series FT601 - 2" x 6" nominal dimension; Thermal
 - Series FT451 - 2" x 4-1/2" nominal dimension; Thermal; Front-Set
 - EFCO
 - Series 406 (T) Storefront System - 2" x 6-1/2" nominal dimension; Thermal
 - Series 403 (T) Storefront System - 2" x 4-1/2" nominal dimension; Thermal
 - Wausau
 - TU24650 Storefront System - 2" x 6-1/2" nominal dimension; Thermal
 - TU24000 Storefront System - 2" x 4-1/2" nominal dimension; Thermal

1.4 Performance Requirements:

- 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;
- 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.
 - Basic Wind Speed (MPH): Determine to meet local codes listed on A000
 - Importance Factor: (1.00)
 - Exposure Category (A, B, C, D): Determine to meet local codes listed on A000
- B. Storefront System Performance Requirements:
- Wind loads: Provide storefront system; include anchorage and fasteners to withstand inward and outward wind load design pressures meeting local codes listed on sheet A000
 - Air Infiltration:
 - Air Infiltration for storefront frames: The test specimen shall be tested in accordance with ASTM E 283. Air infiltration rate shall not exceed 0.05 cfm/ft. sq. at a static air pressure differential of 6.24 psf.
 - 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.
 - 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.
 - 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.
 - Thermal Transmittance (U-factor): When tested to AAMA Specification 1503, the thermal transmittance (U-factor) shall be not more than:
 - Glass to Exterior - 0.47 (low-e)
 - Condensation Resistance (CRF): When tested to AAMA Specification 1503, the condensation resistance factor shall not be less than:
 - Glass to Exterior - 70 frame and 69 glass (low-e)
 - 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:
 - Glass to Exterior - 38 (STC) and 31 (OITC)

1.5 Submittals:

- 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.
- B. Shop Drawings: Include plans, elevations, sections, details, hardware, and attachments to work, operational clearances and installation details.
- C. Samples for Initial Selection: For units with factory-applied color finishes including samples of hardware and accessories involving color section.

1.6 Quality Assurance

- A. Installer Qualifications: An installer which has had successful experience with installation of the same or similar units required for the project and other projects of similar size and scope
- B. Manufacturer Qualifications: A manufacturer capable of providing aluminum framed storefront system that meet or exceed performance requirements indicated and of documenting this performance by inclusion of test reports, and calculations.
- C. Source Limitations: Obtain aluminum framed storefront system and storefront entrance doors through one source from a single manufacturer.
- 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.
 - 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.

1.7 Project Conditions:

- A. Field Measurements: Verify actual dimensions of a aluminum framed storefront openings by field measurements before fabrication and indicate field measurements on Shop Drawings.

1.8 Warranty

- A. Manufactures Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty.
 - 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.

2.1 Manufacturers:

- A. Manufacturer: Kawneer Company Inc., Contact: Doug Hess, Phone: 317-771-9265; email:doug.hess@arconic.com

- Basis-of-Design Product Storefront Framing:
 - Trifab 601T (thermal) Storefront System
 - 2" x 6" System Dimensions
 - Glass: Exterior (Center-Set)
 - Trifab 451T (thermal) Storefront System
 - 2" x 4-1/2" System Dimensions
 - Glass: Exterior (Front-Set)

2. Basis-of-Design Product Storefront Entrances:

- 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"
- Major portions of the door members to be 0.125" nominal in thickness and glazing molding to be 0.05" thick.
- Glazing gaskets shall be either EPDM elastomeric extrusions or a thermoplastic elastomer.
- Provide adjustable glass jacks to help center the glass in the door opening.

3. Basis-of-Design Product Feature Exterior Slat Wall:

- Kawneer Tube #027881 (1" x 3"), capped at top and bottom
 - Alternate Exterior Slat Wall only when approved by Arch PM and Chipotle DM.
 - Architectural Fabrication

B. Alternate Storefront Systems only when approved by Arch PM and Chipotle DM.

- YKK
 - YES 60 TU Storefront System - 2" x 6" nominal dimension; Thermal
 - YES 45 TU Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set
- Oldcastle
 - Series 6000XT Storefront System - 2" x 6" nominal dimension; Thermal
 - Series 3000 Thermal MultiPlane Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set
- US Aluminum
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- Wausau
 - TU24650 Storefront System - 2" x 6-1/2" nominal dimension; Thermal
 - TU24000 Storefront System - 2" x 4-1/2" nominal dimension; Thermal

2.2 Materials:

- A. Provide aluminum entrances and storefront matching the existing building aluminum entrances and storefronts, unless otherwise indicated.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

2.3 Storefront Framing System:

- A. Thermal Barrier: Thermal Break shall be designed in accordance with AAMA TIR-A8 and tested in accordance with AAMA 505.
 - 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.
- B. Brackets and Reinforcements: Manufacturer's standard high-strength aluminum with non-staining, nonferrous shims for aligning system components.
- 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.
- D. Perimeter Anchors: When steel anchors are used, provide insulation between steel material and aluminum material to prevent galvanic action.
- E. Packing, Shipping, Handling and Unloading: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- 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.

2.4 Glazing Systems:

- A. Glazing: As specified in Section 08800 - Glazing.
- B. Glazing Gaskets: Manufacturer's standard compression types; replaceable, extruded EPDM rubber.
- C. Spacers and Setting Blocks: Manufacturer's standard elastomeric type.
- D. Bond-Breaker Tape: Manufacturer's standard TFE-fluorocarbon or polyethylene material to which sealants will not develop adhesion.
- E. Glazing Sealants: For structural-sealant-glazed systems, as recommended by manufacturer for joint type, and as follows:
 - 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.
 - Color: Black
 - 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.
 - Color: Matching structural sealant.

2.5 Entrance Door Systems:

- A. Entrance Door Hardware: As specified in Section 08710 Door Hardware.

2.6 Accessory Materials:

- A. Joint Sealants: For installation at perimeter of aluminum-framed glass doors as specified in section 07900 - Joint Sealers

2.7 Storefront Framing Fabrication:

- A. Framing Members, General: Fabricate components that, when assembled, have the following characteristics:
 - Profiles that are sharp, straight, and free of defects or deformations.
 - Accurately fit joints; make joints flush, hairline and weatherproof.
 - Means to drain water passing joints, condensation within framing members, and moisture migrating within the system to exterior.
 - Physical and thermal isolation of glazing from framing members.
 - Accommodations for thermal and mechanical movements of glazing and framing to maintain required glazing edge clearances.
 - Provisions for field replacement of glazing.
 - 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.
- C. Structural-Sealant-Glazed Framing Members: Include accommodations for using temporary support device to retain glazing in place while structural sealant cures.
- D. Storefront Framing: Fabricate components for assembly using manufacturers standard installation instructions.
- E. After fabrication, clearly mark components to identify their locations in Project according to Shop Drawings.

2.8 Storefront Entrance Door Fabrication:

- A. Fabricate aluminum-framed glass entrance doors in sizes indicated. Include a complete system for assembling components and anchoring doors.
- B. Fabricate aluminum-framed glass doors that are reglazable without dismantling perimeter framing.
 - Door corner construction shall consist of mechanical clip fastening, SIGMA deep penetration plug welds and 1-1/8" long fillet welds inside and outside of all four corners. Glazing stops shall be hook-in type with EPDM glazing gaskets reinforced with non-stretchable cord.
 - Accurately fit and secure joints and corners. Make joints hairline in appearance.
 - Prepare components with internal reinforcement for door hardware.
 - Arrange fasteners and attachments to conceal from view.
- C. Weather Stripping: Provide weather stripping locked into extruded grooves in door panels or frames as indicated on manufactures drawings and details.

2.9 Aluminum Finishes:

- A. Finish designations prefixed by AA comply with the system established by the Aluminum Association for designating aluminum finishes.
- B. Factory Finishing:
 - Kawneer Permafluor (70% PVDF), AAMA 2605, Fluoropolymer Coating (Color: Charcoal or as noted on Drawings)
 - Finishing for alternate storefront specifications to be verified by Arch PM and Chipotle DM
 - YKK "Charcoal" UC99477, Superior Painted Finishes
 - All others to be verified with samples and submittals to Arch PM

2.10 Brake Metal Trim:

- A. Shop Drawings: Show layout and elevations, dimensions and thickness of panels, connections, details and location of joints, sealants and gaskets, method of anchorage, number of anchors, supports, reinforcement, trim, flashings, and accessories.
 - Show actual field measurements on shop drawings.
 - Differentiate between shop and field fabrication.
 - Indicate substrates and adjacent work with which the fabrications must be coordinated.
 - Include large-scale details of anchorages and connecting elements.
 - Include large-scale or schematic exploded or isometric diagrams to fully explain flashing at a scale of not less than 1-1/2 inches per 12 inches (1:10)

2.11 Formed Metal Fabrications - General:

- A. Shop assembly: Preassemble items to greatest extent possible. Minimize field welding and field assembly. Disassemble only as necessary for transportation and handling. Mark items clearly for correct installation.
- B. Coordination: Match dimensions and attachment of metal items to adjacent construction. Produce integrated assemblies. Closely fit joints; align edges and flat surfaces with adjacent otherwise.
- C. Forming: Profiles indicated. Maximize lengths. Fold exposed edges to form hem indicated or ease edges to radius indicated with concealed stiffener. Provide flat, flush surfaces without cracking or grain separation at bends.
- D. Reinforcement: Increase metal thickness; use concealed stiffeners, backing materials or both. Provide stretcher leveled standard of flatness and stiffness required to maintain flatness and hold adjacent items in flush alignment.
- E. Anchors: Straps, plates and anchors as required to support and anchor items to adjacent construction.
- F. Supports: Miscellaneous framing, mounting, clips, sleeves, fasteners and accessories required for installation.

- G. Welding and brazing: Weld or braze joints continuously. Grind smooth, fill or dress to produce smooth, flush, exposed surfaces. Do not discolor metal. Grind smooth, polish, and restore damaged finishes to required condition.
 - Ease exposed edges to small uniform radius.
 - Welded joints.
 - Carbon Steel: Perform welding in accordance with AWS D1.1/D1.1M.
 - Stainless Steel: Perform welding in accordance with AWS D1.6/D1.6M.
 - Brass/Bronze Brazed Joints:
 - Perform torch brazing in accordance with AWS C3.4M/C3.4
 - Perform induction brazing in accordance with AWS C3.5M/C3.5
 - Perform resistance brazing in accordance with AWS C3.9M/C3.9
- H. Performance requirements;
- Thermal Movements:
 - Allow for thermal movements in exterior metal fabrications due to temperature changes. Prevent buckling, opening of joints, overstressing of components, failure of connections, and other detrimental effects.
 - Temperature Change Range: 120 degrees F (67 degrees C), ambient; 180 degrees F (100 degrees C), on material surfaces.
 - Corrosion: Prevent galvanic action and other forms of corrosion by isolating metals and other materials from direct contact with incompatible materials.

2.12 Formed Metal Fabrications - Sheet Metal

- A. Closures, Trim, and Fill Panels:
 - Form Closures from type and thickness of metal indicated.
 - Conceal fasteners when possible.
 - Drill and tap holes for securing to other surfaces.
 - Provide gaskets where indicated or needed for continuous seal at adjacent surfaces.
 - Miter or cope at corners and reinforce with bent metal plate. Form tight joints.

2.13 Materials

- 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 (Z275) coating. 14 gauge min. thick base material.
- C. Anchors, Clips, and Accessories: Use one of the following:
 - Stainless steel complying with ASTM A276/A276M, ASTM A480/A480M, or ASTM A666.
 - Steel complying with ASTM A36/A36M and hot-dipped galvanized to ASTM A153/A153M.
 - Steel complying with ASTM A36/A36M and hot-dipped galvanized to ASTM A123/A123M Coating Grade 35
 - Interior locations: Carbon steel; zinc coated in accordance with ASTM B633 or ASTM F1941/F1941M, Class Fe/Zn 5.
 - Exterior Locations or in contact with Stainless Steel:
 - Bolts: Stainless steel; ASTM F593, Group 1 (A1)
 - Nuts: Stainless steel; ASTM F594.
 - Structural Anchors: Provide anchors where work is indicated to comply with design loads.
 - Type: Provide chemical or torque controlled expansion anchors.
 - Capacity: When tested according to ASTM E488/E488M; four times the load imposed when installed in concrete.
 - Nonstructural Anchors: Provide powder-actuated fasteners where indicated to comply with manufacturer, unless indicated otherwise. Provide size and number required for load, installation, and design.
- D. Fasteners, General: Same basic metal and alloy as forming sheet metal unless indicated otherwise. Do not use metals incompatible with the materials joined.
- E. Gaskets: As required to seal joints in decorative roll formed metal and remain airtight; as recommended in writing by decorative formed metal manufacturer.

2.14 Finishes

- A. Finishes, General: Comply with NAAMM AMP 500-06
- Complete mechanical finishes before fabrication. After fabrication, finish joints, bends, abrasions and surface blemishes to match sheet.
 - Protect mechanical finishes on exposed surfaces from damage.
 - Apply organic and anodic finishes to formed metal after fabrication unless indicated otherwise.
 - 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:
- Repair Galvanized Surfaces: Clean welds and abraded areas and repair galvanizing to comply with ASTM A780/A780M
 - Color: As shown on the drawings.
 - 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
 - High Performance Organic Coatings: AAMA 2604; multiple coats, thermally cured fluoropolymer system.

3.1 Examination:

- A. Examine openings, substrates, structural support, anchorage, and conditions, with installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work. Verify rough opening dimensions, levelness of sill plate and operational clearances. Examine wall flashings, vapor retarders, water and weather barriers, and other built-in components to ensure a coordinated, weather tight framed aluminum storefront system installation.
- Masonry Surfaces: Visibly dry and free of excess mortar, sand, and other construction debris.
 - Wood Frame Walls: Dry, clean, sound, well nailed, free of voids, and without offsets at joints. Ensure that nail heads are driven flush with surfaces in opening and within 3 inches of opening.
 - Metal Surfaces: Dry; clean; free of grease, oil, dirt, rust, corrosion, and welding slag; without sharp edges or offsets at joints.
 - Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 Installation:

- A. Comply with Drawings, Shop Drawings, and manufacturer's written instructions for installing aluminum framed storefront system, aluminum swing storefront entrance doors, accessories, and other components.
- B. Install aluminum framed storefront system and storefront doors level, plumb, square, true to line, without distortion or impeding thermal movement, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction.
- C. Set sill members and door threshold in bed of sealant or with gaskets, as indicated, for weather tight construction.
- D. Install aluminum framed storefront system and components to drain condensation, water penetrating joints, and moisture migrating within sliding door to the exterior. Refer to section 07900 - Joint Sealers.
- E. Separate aluminum and other corrodible surfaces from sources of corrosion or electrolytic action at points of contact with other materials.
- F. Install aluminum storefront framing system glass and glazing, in accordance with section 08800 and the manufacturer's requirements.

3.3 Adjusting, Cleaning, and Protection:

- A. Clean aluminum surfaces immediately after installing aluminum framed storefronts. Avoid damaging protective coatings and finishes. Remove excess sealants, glazing materials, dirt, and other substances.
- B. Clean glass immediately after installation. Comply with glass manufacturer's written recommendations for final cleaning and maintenance. Remove nonpermanent labels, and clean surfaces.
- C. Remove and replace glass that has been broken, chipped, cracked, abraded, or damaged during construction period.

SECTION 085619 - PASS-THRU WINDOW

1.1 General: Provide door hardware as shown and specified.

- A. Standards: Materials and installation shall conform to the following:
- ASTM A240 - Heat-Resisting Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels.
 - ASTM A653 - Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
 - ASTM B209 - Aluminum and Aluminum-Alloy Sheet and Plate.
 - ASTM B221 - Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
 - ASTM B580 - Standard Specification for Anodic Oxide Coatings on Aluminum.
 - ASTM B680 - Standard Test Method for Seal Quality of Anodic Coatings on Aluminum by Acid Dissolution.
 - ASTM C1048 - Heat-Treated Flat Glass--Kind H5, Kind FT Coated and Uncoated Glass.
 - ASTM C1172 - Standard Specification for Laminated Architectural Flat Glass.
 - ASTM E774 - Standard Specification for Sealed Insulating Glass Units.
 - Aluminum Association AA DAF-45 - Designation System for Aluminum Finishes.

B. Quality Assurance:

- Manufacturer Qualifications: Minimum of 25 years successful experience continuously manufacturing pass-thru windows.
- Installer Qualifications: Installer shall have five years experience manufacturing and fabricating windows of similar type and scope as those specified in this section.
- Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
 - Finish areas designated by Architect.
 - Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
 - Refinish mock-up area as required to produce acceptable work.

2.1 Materials:

- A. Acceptable Manufacturers. Arch PM to verify required manufacturer per Tenant's assignment.
- Quikserv; Toll Free: 1.800.388.8307; Email: sales@quikserv.com; Web: <https://www.quikserv.com/>
 - ReadyAccess; Toll Free: 1.800.621.5045; Email: ready@ready-access.com; Web: <https://www.ready-access.com>
- B. 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.

CONSULTANT:



CLIENT:



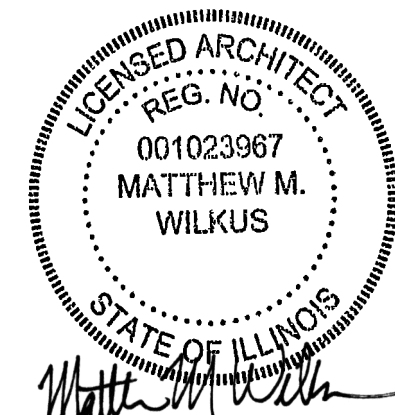
CHIPOTLE MEXICAN GRILL, INC.
PO BOX 185566
COLUMBUS, OH 43218-2566
TELEPHONE: (614) 318-2482
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: 4915
"LAKE ZURICH"
442 S. RAND ROAD
LAKE ZURICH, IL 60047

SEAL:



July 15, 2024

MATTHEW M. WILKUS
LICENSE #001.023967
(EXPIRES 11/30/2024)

PROJECT NO. 2023-0056
DRAWN BY JSB
CHECKED BY DVA

ISSUE RECORD:

01/11/2024	PERMIT SET
06/12/2024	BID SET
07/01/2024	CONSTRUCTION SET

REVISIONS:

TITLE:

ARCHITECTURAL
SPECIFICATIONS

SHEET NUMBER:

G014

2.2 In-Line Side Sliding Automatic Window and Air Curtain

- A. Standard Custom Side Sliding Windows – Arch PM to verify manufacturer with Tenant.

- 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

1. Service Opening: 19"W x 29-3/4"H
2. Finish: Dark Bronze Anodized
3. Glass: 1" Clear Tempered unit + Low E (Solarban 60e) for fixed and moving panel, sidelights and transom
4. 'CHIPOTLE' package includes pre-wired air curtain with relay to sync operation with window.
a. Arch PM to verify if heated or ambient air curtain is required per Tenant assignment. Air Curtain mounts to transom.
i. Heated Air Curtain: Model: QSV1025EJ-040-BK
ii. Ambient Air Curtain: Model: QSK1025AA-BK
5. Refer to interior elevations (A700s) for direction of opening for ordering.

- ReadyAccess Automatic Side Sliding Window: 47-1/2" W x 35-3/4" 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

1. Service Opening: 19"W x 29-3/4"H
2. Finish: Dark Bronze Anodized
3. Glass: 3/4" Clear Tempered unit + Low E (Solarban 70XL) for fixed & moving panel, sidelights and transom
4. Arch PM to verify if heated or ambient air curtain is required per Tenant assignment.
a. Heated Air Curtain: Model: AA300 (replaces transom)
b. Ambient Air Curtain: Model: AA100 (split transom)
5. Refer to exterior elevations (A300s) for direction of opening for ordering.

- B. Alternate California Code Option

1. 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
a. Service Opening: 15-1/4" W x 28"H, limited to meet CA code.
b. Ambient Air Curtain, AA100, and relay switch kit included with the West Coast Window package.

2. Quikserv Model: SS-4035-E-CHIPOTLE-CAL, same as above except as noted.
a. Service Opening: 28" W x 15-3/8"H, limited to meet CA code.
b. '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

1. Quikserv Model: BP-7241E-IP-CHIPOTLE, Complete Unit Size: 72"W x 41"H.
a. Service Opening: 29-1/2"W x 27"H
b. Rough Opening: 72-1/2"W x 41-1/2"H
c. Glass: Impact Resistant Glass
d. 'CHIPOTLE' package includes ambient air curtain
i. Ambient Air Curtain: Model: QSK1025AA-BK, Part Number: 9345.
ii. Do not mount directly to window, mount on wall above.
e. 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.

1. Heated Air Curtain for Custom Side Sliding Window (Model: SS-4035-E-CHIPOTLE)
a. Separate 230V 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.
2. Ambient Air Curtain for Custom Side Sliding Window (Model: SS-4035-E-CHIPOTLE) and Alternate California Code Option: Model: SS-4035-E-CHIPOTLE-CAL
a. Separate circuit not required. Window is pre-wired for power and sync operation with air curtain.
3. Ambient Air Curtain for Alternate Impact-Resistant and Florida Product Approved Option (Model: BP-7241E-IP-CHIPOTLE):
a. Connect to main control box and relay switch 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.

1. AA300 Heated Air Curtain
a. Separate 208V /60 Hz /40-amp single phase circuit required.
2. AA100 Ambient Air Curtain (Standard and CA window)
a. Separate 120V / 60Hz / 15-amp single phase circuit required. Run power to center of window above header.

3.1 Installation

- A. Install in accordance with manufacturer's instructions.
B. Install pass-thru windows plumb, level, square, true to line, and without warp or rack. Maintain dimensional tolerances and alignment with adjacent Work.
C. 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.
D. Install pass-thru window components weathertight.
E. Anchor pass-thru windows securely in place to supports. Use attachment methods permitting adjustment for construction tolerances, irregularities, alignment, and expansion and contraction.
F. Separate aluminum from other metal surfaces with bituminous coatings or other means approved by Architect.
G. Coordinate installation of related sheet metal flashing as specified in Section 07 62 00 - Sheet Metal Flashing and Trim.
H. 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:
1. ANSI A117.1-2009 Accessible and Usable Buildings and Facilities.
2. ANSI/BHMA A156 Series Builders Hardware

- B. Quality Assurance:
1. Codes and standards: Provide hardware complying with local Building Code requirements and the Tenant's standards for keying and security systems.
2. Project scheduling: Performed by an Architectural Hardware Consultant (AHC).
3. 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 to be scheduled.
4. 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.

1. Top Butts: 5 inches; top of butt from head of frame.
2. Middle Butts: 3'-2", centerline from finish floor.
3. Bottom Butts: 5 inches; finish floor to bottom of butt.
4. Locks: centerline from finish floor per hardware schedule.
5. Knobs: 3'-2", centerline from finish floor.
6. Pulls: centerline from finish floor per hardware schedule.
7. 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:
1. CPSC 16 CFR Part 1201 (1-91)"Safety Standards for Architectural Glazing Materials."
2. GANA "Glazing Manual - 1990."

B. Quality Assurance:

1. 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.
2. 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.
3. Installation: Performed only by experienced glaziers.

C. Warranty:

1. 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:
1. Float Glass (FG): 1/4" thick clear float glass.
2. Tempered Glass (TG): 1/4" and 1/2" thick clear, tempered safety glass, free-of-tong marks.
3. 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:
a. Low-emissivity coating on #2 surface.
b. Visible Light Transmittance: 64% - 70%
c. Visible Light Reflectance - Outdoors: 9% -11%
d. Solar Energy Transmittance: 32%-34%
e. Solar Energy Reflectance-Outdoors: 30%-34%
f. U-Value - Winter Night: 0.29
g. U-value - Summer days: 0.28
h. Solar Heat gain Coefficient: 0.25-0.39
i. Shading Coefficient: 0.43-0.45
j. Manufacturers/Products:
i. AGC/Comfort Ti-AC40, or similar to meet code
ii. Sun Guard/SN-68, or similar to meet code
iii. PPG/Solarban 60, or similar to meet code
iv. Viracore/VEL-2M, or similar to meet code
4. 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
5. Frosted Window Film, 3M Dusted Crystal Translucent Window Film. Apply on the interior side of glazing.

B. Glazing Materials:

1. Glazing Sealants: Provide elastomeric glazing sealants suitable for application indicated; compatible with one another and with other materials they will contact, complying with ASTM C920.
2. Glazing Tape: Provide preformed, non-staining and non-marring sealant tape, as recommended by tape and glass manufacturers for application indicated, complying with ASTM C1181.
3. Glazing gaskets: Provide manufacturer's standard aluminum stops and neoprene, vinyl or EPDM glazing gaskets.
4. Provide setting blocks, spacers and edge blocks of proper size, 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:
1. Field verify measurements and conditions of installation.
2. Examine all details. Provide proper fitting to details indicated.
3. 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.
1. 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:
1. GA 214-90 "Levels of Gypsum Board Finish."
2. GA-216 "Specifications for Application and Finishing of Gypsum Board."
3. 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.

1. Partition metal framing:
a. Studs: Galvanized steel, C-shaped, sizes indicated, 20 gage "ST20"
b. 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.
C. Ceiling and Soffit metal framing/suspension systems:
1. Small areas: Metal stud framing of appropriate size and gage for spans indicated.
2. Large areas: Furring channel "Grillage" or "Direct Suspension System" designed for concealed support of gypsum board ceilings, of proper type for use indicated.
3. Furring members: 20 gage, galvanized steel screw type, hat-shaped furring.

- D. 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.
1. General use panels: Sheetrock Regular panels.
2. Fire rated panels: Sheetrock Firecode Core panels.
3. Water-resistant: panels: Sheetrock HUMITEK panels.

- E. 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.
1. Ceiling suspension/ support systems: Metal furring system/direct suspension or steel stud framing system.
2. Wall and partition framing:
a. Install steel studs per schedule or at spacing indicated with bottom and top runner tracks anchored to substrates. Provide flexible ceiling runner tracks at full height partitions.
b. 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.
c. Frame openings more than 2'-0" wide with two 20 gage studs at each jamb.
d. 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.
B. 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."
1. Screw fasten all gypsum board panels.
2. 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.
3. Control Joints: Locate and install control joints in accordance with USG Bulletin SA923 "Good Design Practice" recommendations.

C. Acoustical Treatment:

1. 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.
2. 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.
3. 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.
4. Seal sides and backs of electrical boxes to completely close up openings and joints with a bead of acoustical treatment.

D. Finishing:

1. 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. Except in manner that will result in each of these items being concealed when applied decoration has been completed.
2. Apply joint tape at joints between gypsum boards, except where trim accessories are indicated.
3. Interior Exposed Gypsum Board Finish: Level 5 Finish.
a. Locations: Typical for all walls and ceilings, unless otherwise indicated
b. Finish 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:
c. Embedding and First Coat: Setting-type joint or taping compound.
d. Fill (Second) Coat: Setting-type topping compound.
e. Fill (Third) Coat: Setting-type topping compound.
f. Finish (Fourth) Coat: Skim coat entire surface.
4. Interior Concealed Gypsum Board: Level 3 Partial Finishing.
a. 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:
1. ASTM C840 Standard Specification for Application and Finishing of Gypsum Board.
2. 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
3. ASTM C1178 Standard Specification for Glass Mat Water-Resistant Gypsum Backing Panel
4. ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber
5. ASTM D6329 Standard Guide for Developing Methodology for Evaluating the Ability of Indoor Materials to Support Microbial Growth Using Static Environmental Chambers.
6. ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials
7. 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.
1. 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:
1. Walls (Steel Frame): Bungle head, fine thread, sharp point rust resistant drywall screw
2. 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.
1. Manufacturers Recommendations: refer to Current "Product Catalog", Georgia Pacific Gypsum.
a. 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.
b. DensShield Tile Backer may be cut by using a utility knife to score, then snap, working from the grey face side.
c. 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.
d. 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.
e. 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.
f. Caulk or seal fixture/plumbing penetrations and abutments to dissimilar materials.
g. Do not use all purpose joint compound or tape in wet areas.
h. Do not apply DensShield Tile Backer directly to concrete or masonry block. Framing or furring of the walls is necessary.
i. DensShield Tile Backer should not be used for exterior installations.
j. DensShield Tile Backer panels should not be used as a base for nailing and mechanical fastening.
k. 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.

- C. 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:
1. ANSI A137.1 "Ceramic Tile."
2. TCA "Handbook for Ceramic Tile Installation."

2.1 Materials:

- A. Manufacturers:
1. Quarry Tile: Daltile, (877) 556-5728, internet: http://daltile.com
a. For ordering purposes, email all orders to chipotle@daltile.com
2. Waterproofing, Setting and Grouting Materials:
a. Setting and Grouting Materials and Tile Base Membrane: Mapei
i. For ordering purposes, email all orders to chipotle@daltile.com
ii. 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" OT03
1. Entire Kitchen Area: Provide non-abrasive finish quarry tile.
2. Rest Rooms: Provide non-abrasive finish quarry tile.
3. Outside Corner Cove Base (Kitchen): #Q-C1
4. Inside Corner Cove Base: #QB-3565 5" x 6"
5. Bullnose Coveless Base: #Q-1665, 6" x 6".
6. Bullnose Corner Coveless Base: #QCRL-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.
1. 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.
2. 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.
1. Extend waterproofing up vertical wall surfaces minimum 10" high.
2. 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.
1. 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.
1. Floors: Latex-portland cement mortar on concrete; TCA detail F113 and ANSI A108.5, grout ANSI A108.10.
2. 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:
1. ANSI A137.1 "Ceramic Tile."
2. TCA "Handbook for Ceramic Tile Installation."

2.1 Materials:

- A. Manufacturers:
1. Ceramic Tile and Accent Tile: Daltile, P: (877) 556-5728, internet: http://daltile.com
a. For ordering purposes, email all orders to chipotle@daltile.com

- B. Ceramic Tile:
1. Kitchen Tile, or as noted in plans, Series - Finish Line Glazed Ceramic Tile:
a. Color - White FL90, Semi-Gloss, Size - 4 x 16, Pattern - Stacked Bond
2. Accent Tile, Series - Color Wheel Glazed Ceramic
a. Color - Chipotle Brick Metallic 1.0 #9999710686, Size - 3 x 12, Pattern - Stacked Bond
b. Alternate Accent Tile only when approved by Arch PM and Chipotle DM
i. Series - Remedy, Color - Alchemy RD25, Size - 2 x 9, Pattern - Stacked Bond
ii. Series - Marrazzi, Color - Artesen AT25, Size - 2 x 4, Pattern - Brickjoint Mosaic

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

- D. Grout:
1. Kitchen Tile or as noted in plans
a. Mapei, Series - Flexcolor CQ - Gray #09, 1/8" grout joints.
2. Accent Tile
a. Mapei, Series - Flexcolor CQ - Chocolate #07, 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.
1. Protect surrounding work from damage.
2. Remove any curing compounds or other contaminants.
3. Vacuum clean surfaces and damp clean.
4. 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.
5. Prepare substrate surfaces for adhesive installation in accordance with adhesive manufacturer's instructions.
B. Kitchen:
1. Install, grout and clean ceramic tile in accordance with referenced TCA installation details and ANSI standard specifications for setting methods scheduled.
2. Lay tile in horizontal stack bond, following detail drawings for layout considerations. Horizontal rows of tile shall be full-height courses, unless noted otherwise.
3. 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.
4. Use specified stainless steel corner guards at tile-to-tile and tile-to-FRP outside corners.
5. Use corner bead of 100% silicone sealant, color to match grout, at inside corners where tile meets tile.
6. Use corner bead of 100% silicone sealant, white, at inside corners where tile meets paint gyp. board, tile meets FRP or tile meets aluminum.
7. 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.
8. Sound tile after setting. Replace hollow sounding units.
9. Keep expansion joints free of adhesive or grout. Allow time 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.
10. Clean tile and grout surfaces.

CONSULTANT:



CLIENT:



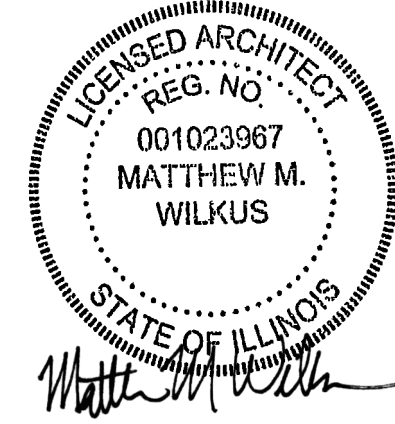
CHIPOTLE MEXICAN GRILL, INC.
PO BOX 16266
COLUMBUS, OH 43218-2666
TELEPHONE: (614) 318-2482
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: 4915
"LAKE ZURICH"
442 S. RAND ROAD
LAKE ZURICH, IL 60047

SEAL:



July 15, 2024

MATTHEW M. WILKUS
LICENSE #001.023967
(EXPIRES 11/30/2024)

PROJECT NO. 2023-0056

DRAWN BY JSB

CHECKED BY DVA

ISSUE RECORD:

01/11/2024 PERMIT SET
06/12/2024 BID SET
07/01/2024 CONSTRUCTION SET

REVISIONS:

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:
1. CISCA "Acoustical Ceilings - Use and Practice."
 2. ASTM C635.
 3. ASTM C636.
- B. Related Sections:
1. 09515 Cementitious Wood Fiber Acoustical Panels: Suspension system.

2.1 Materials:

- A. Manufacturer:
1. USG Interiors, Inc., (800) 950-3839, www.usg.com
 2. 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.
1. Light pocket can have up to 6 week lead time and should be ordered as soon as possible.
 2. 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.
1. 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.
 2. 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.
 3. Hanger Wire: No. 12 SWG galvanized steel wire.
 4. 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 09653 - 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:
1. ASTM D 2240 Rubber - 85 Shore A

2.1 Materials:

- A. Manufacturer: Johnsnite, Inc., (800) 899-8916, internet: www.johnsnite.com
1. Basis-of-Design Product Rubber Wall Base:
 - a. Resilient Rubber:
 1. .125" (3.17 mm) Thickness
 2. "Black" color
 3. Straight (toeless) or coved as specified on finish plan
 4. Inside and outside corners with 4" returns.
- B. Alternate Wall Base only when approved by Arch PM and Chipotle DM.
1. Vinyl Wall Base
 - a. .125" (3.17 mm) Thickness
 - b. "Black" color
 - c. Straight (toeless) or coved as specified on finish plan
 - d. Inside and outside corners with 4" returns.
- C. Setting Adhesive:
1. For porous surface applications: Johnsnite 960 Acrylic Cove Base Adhesive.
 2. For non-porous surface applications: Johnsnite 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:
1. Sufficient plant facilities to provide quality and quantity of materials as required without delaying progress of work.
 2. Minimum of 40 years of experience in paper saturation of phenolic resin, and producing phenolic paper laminate.
- B. Fabricator:
1. Fabricated by the manufacturer, and/or;
 2. Contracted by the customer, minimum 5 years' experience in fabrication work for the size and complexity of the projects.
- C. Installer
1. Proven professional installer with a minimum of 5 years of documented experience.
 2. 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:
1. Keep panels dry and stored indoors in original packaging until installation.
 2. Store Stonewood panels on a smooth, dry, flat surface, making sure there are no bends or bowing in the load.
 3. Do not store directly on cold concrete floors as moisture may migrate.
 4. Do not store under heating units or air conditioning units.
 5. Keep load stored within outer wrap until use. Remove pallet straps once load is moved to storage area.
 6. Reseal plastic wrap if partial load is used.
 7. Keep foam dividers in place.
- D. Handling:
1. Handle materials in accordance with manufacturer's instructions.
 2. Protect materials during handling to prevent damage.
 3. 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. Fiberesin Industries, Inc. PO Box 808, Oconomowoc, WI 53066. Phone: (262) 567-4427, Fax: (262) 567-4814, Web Site: www.stonewoodpanels.com Email: info@fiberesin.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

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

- B. Mechanical Properties:
- | Property | NEMA Requirements | |
|------------------------------|---------------------|----------------------|
| 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 |

- C. 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 |

- D. 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:
1. Exposed exterior items and surfaces.
 2. Exposed interior items and surfaces.
 3. 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:
1. Product name or tile of material.
 2. Product description (generic classification or binder type).
 3. Manufacturer's stock number and date of manufacture.
 4. Contents by volume, for pigment and vehicle constituents.
 5. Thinning instructions.
 6. Application instructions.
 7. Color name and number.
 8. 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.
1. 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.
1. 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:
1. PPG Industries, Inc.
 2. 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 Railings:

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.
PO BOX 16266
COLUMBUS, OH 43216-2666
TELEPHONE: (614) 318-2482
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: 4915
"LAKE ZURICH"
442 S. RAND ROAD
LAKE ZURICH, IL 60047

SEAL:



July 15, 2024

MATTHEW M. WILKUS
LICENSE #001.023967
(EXPIRES 11/30/2024)

PROJECT NO. 2023-0056
DRAWN BY JSB
CHECKED BY DVA

ISSUE RECORD:

01/11/2024	PERMIT SET
06/12/2024	BID SET
07/01/2024	CONSTRUCTION SET

REVISIONS:

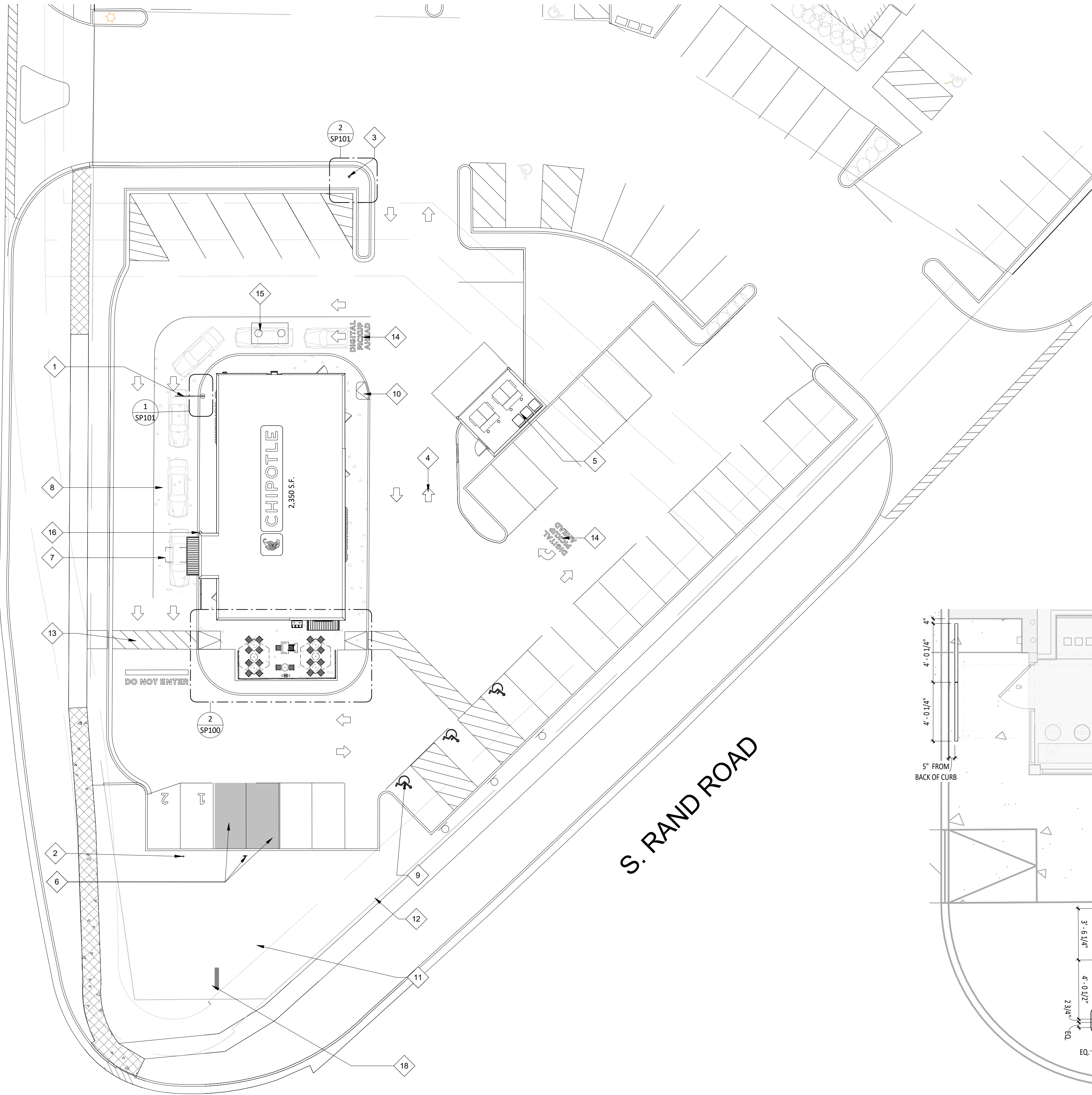
TITLE:

ARCHITECTURAL
SPECIFICATIONS

SHEET NUMBER:

G016

W. MAIN STREET



1 ARCHITECTURAL SITE PLAN
SCALE: 1/16" = 1'-0" SP100

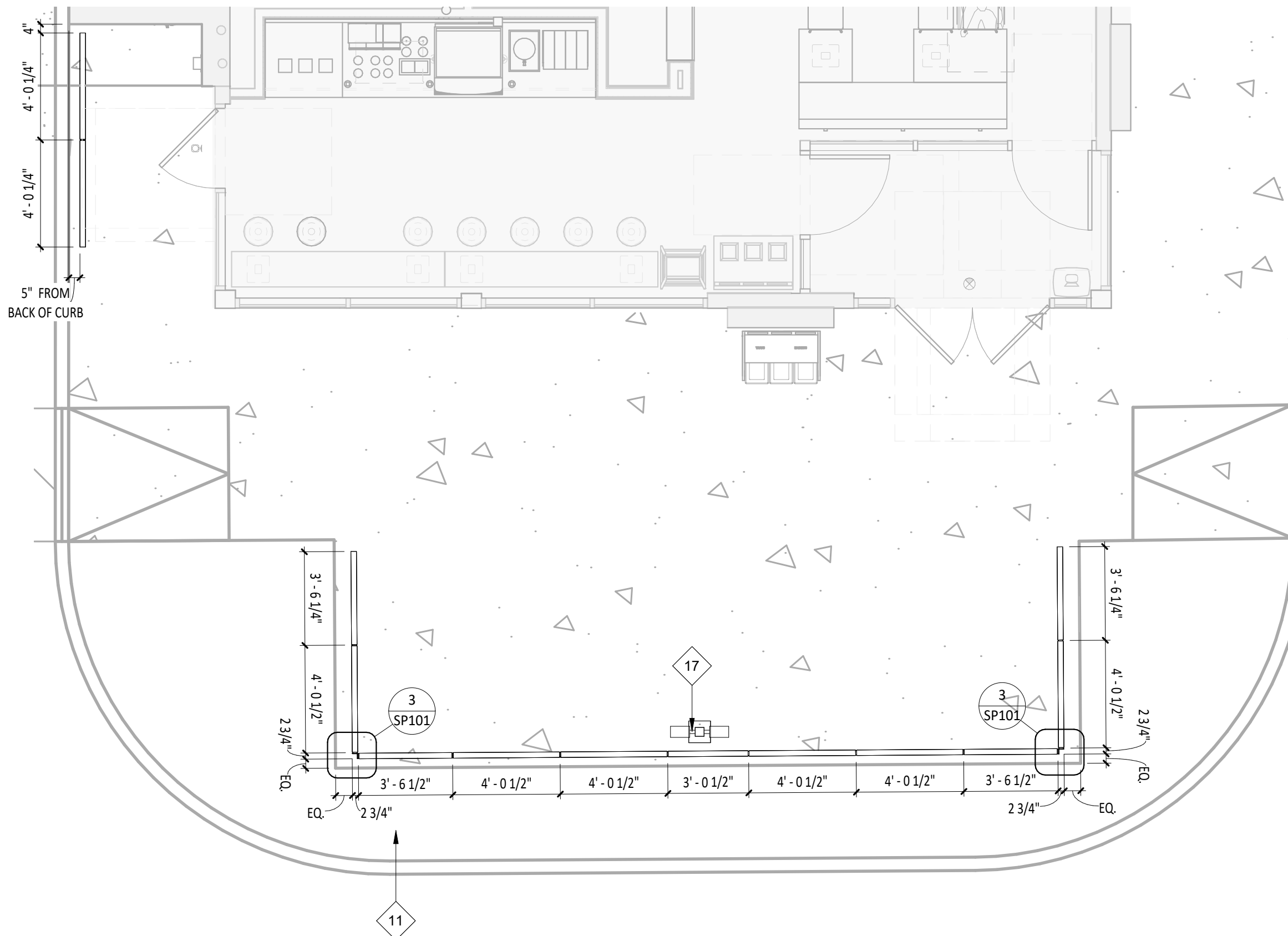
2 PATIO PLAN
SCALE: 1/4" = 1'-0" SP100

GENERAL NOTES - SITE PLAN

- ALL SITE WORK INCLUDING PAVING, CURBING, PARKING, PARKING LOT LIGHTING, SIDEWALKS, LANDSCAPING, BOLLARDS AND DUMPSTER ENCLOSURE ARE TO BE EXISTING UNLESS NOTED OTHERWISE.
- FOR STENCIL INFORMATION, REFER TO DIVISION 2 - SITE CONSTRUCTION FOR ADDITIONAL INFORMATION.

KEYNOTE LEGEND

- | | |
|----|--|
| 1 | CLEARANCE BAR - FOUNDATION AND CLEARANCE BAR ASSEMBLY PROVIDED AND INSTALLED BY THE SIGNAGE VENDOR |
| 2 | ONE (1) POLE SIGN FOR PULL-AHEAD PARKING SPACES - FOUNDATION AND POLE PROVIDED BY GENERAL CONTRACTOR - SIGN PROVIDED BY THE SIGNAGE VENDOR AND TO BE INSTALLED BY GENERAL CONTRACTOR. |
| 3 | "DIGITAL PICK-UP SIGNAGE" - FOUNDATION AND SIGNAGE ASSEMBLY AND PROVIDED AND INSTALLED BY THE SIGNAGE VENDOR. |
| 4 | DIRECTIONAL PAVEMENT MARKINGS PROVIDED BY LANDLORD. |
| 5 | TRASH ENCLOSURE, PAD, APRON AND BOLLARD LOCATION BY LANDLORD |
| 6 | TWO (2) SPACES MARKED FOR 'BURRITO LOADING ZONE' PARKING - FOUNDATION AND POLE PROVIDED BY GENERAL CONTRACTOR - SIGN PROVIDED BY THE SIGNAGE VENDOR AND INSTALLED BY GENERAL CONTRACTOR, |
| 7 | LOOP DETECTOR INSTALLED BY CHIPOTLE'S GENERAL CONTRACTOR - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION - EXISTING CONDUIT STUB-UP TO BE PROVIDED BY LANDLORD. |
| 8 | 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. |
| 9 | THREE (3) ACCESSIBLE PARKING SPACES MARKED WITH STRIPING AND SIGN POST, BY LANDLORD |
| 10 | CURB RAMP FOR DELIVERIES, BY LANDLORD |
| 11 | LANDSCAPING AND IRRIGATION BY LANDLORD |
| 12 | PROPERTY LINE LOCATION |
| 13 | PEDESTRIAN ACCESS AND CROSSWALK BY LANDLORD |
| 14 | "DO NOT ENTER" AND "DIGITAL PICKUP AHEAD" AND DIRECTIONAL ARROWS PROVIDED BY LANDLORD. |
| 15 | 1,500 GALLON GREASE INTERCEPTOR LOCATION - CHIPOTLE'S GENERAL CONTRACTOR TO REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION. |
| 16 | BOLLARD BY LANDLORD |
| 17 | PATIO LIGHT PROVIDED BY CHIPOTLE LIGHTING VENDOR, INSTALLED BY CHIPOTLE GC, REFER TO SP101/6 FOR FOOTING DETAILS |
| 18 | MONUMENT SIGNAGE BASE LOCATION PROVIDED BY LANDLORD - SIGN CABINET AND POWER HOOK-UPS ARE TO BE PROVIDED BY THE SIGNAGE VENDOR. |



CONSULTANT:



CLIENT:



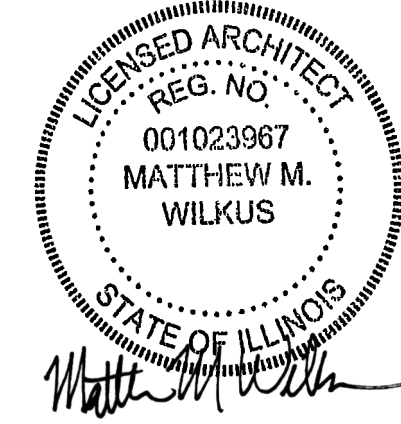
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P.O. BOX 18566
COLUMBUS, OH 43218-2566
TELEPHONE: (614) 318-2482
INTERNET: WWW.CHIPOTLE.COM

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06/12/2024 BID SET

07/01/2024 CONSTRUCTION SET

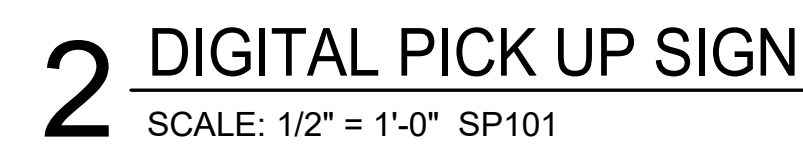
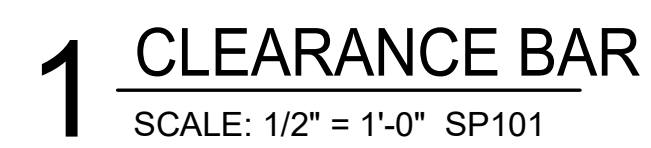
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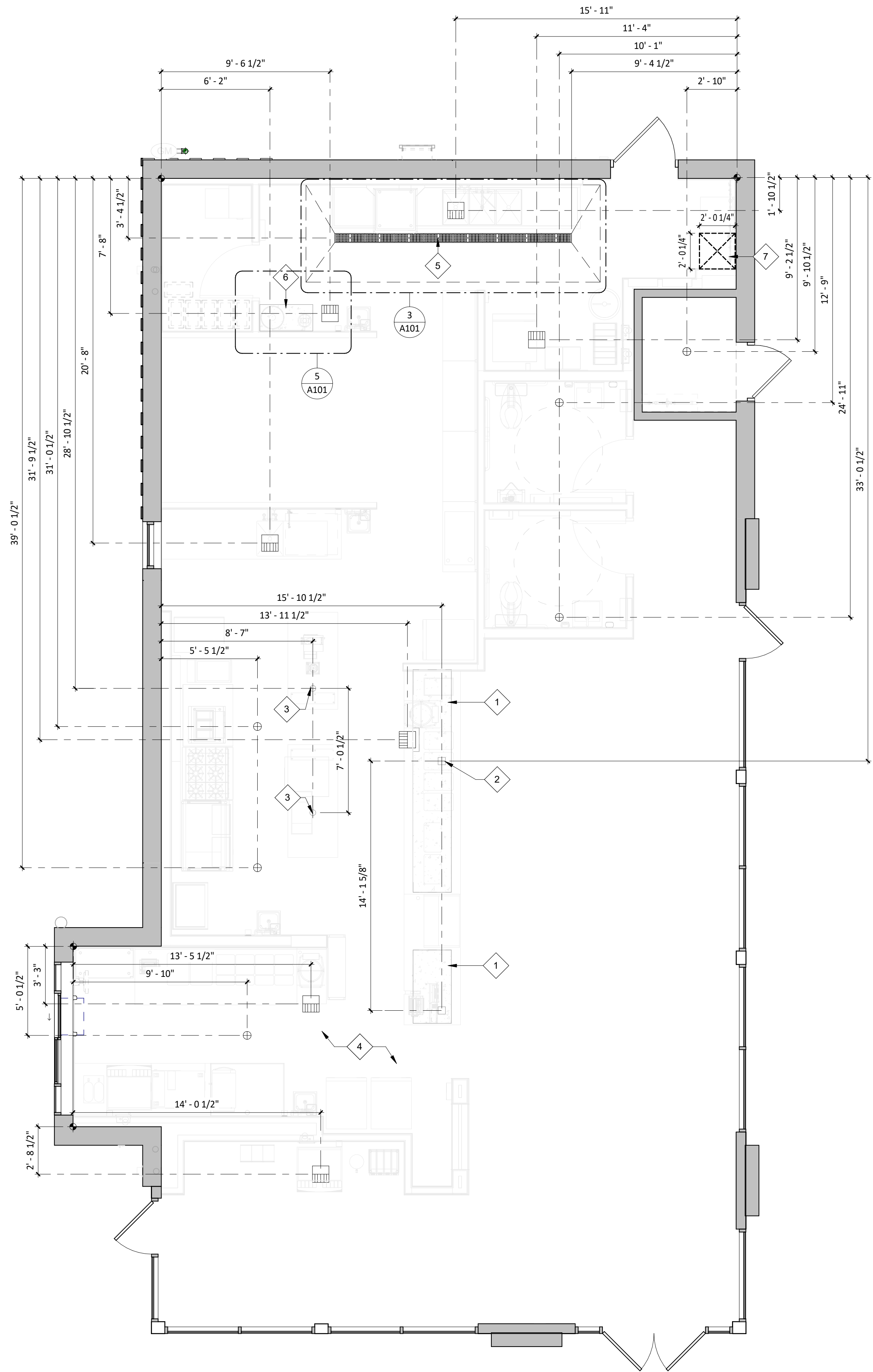
SITE PLAN

SHEET NUMBER:

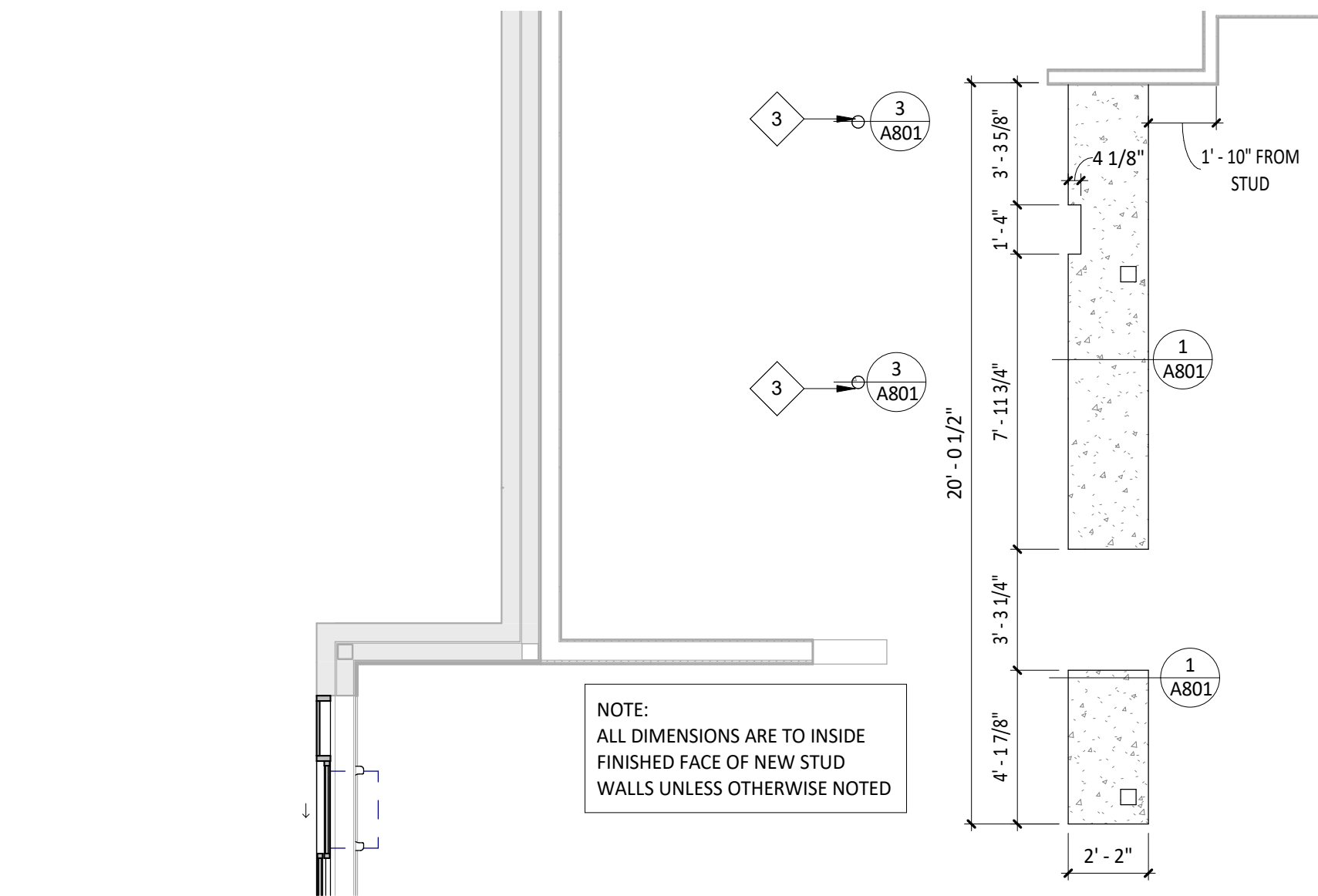
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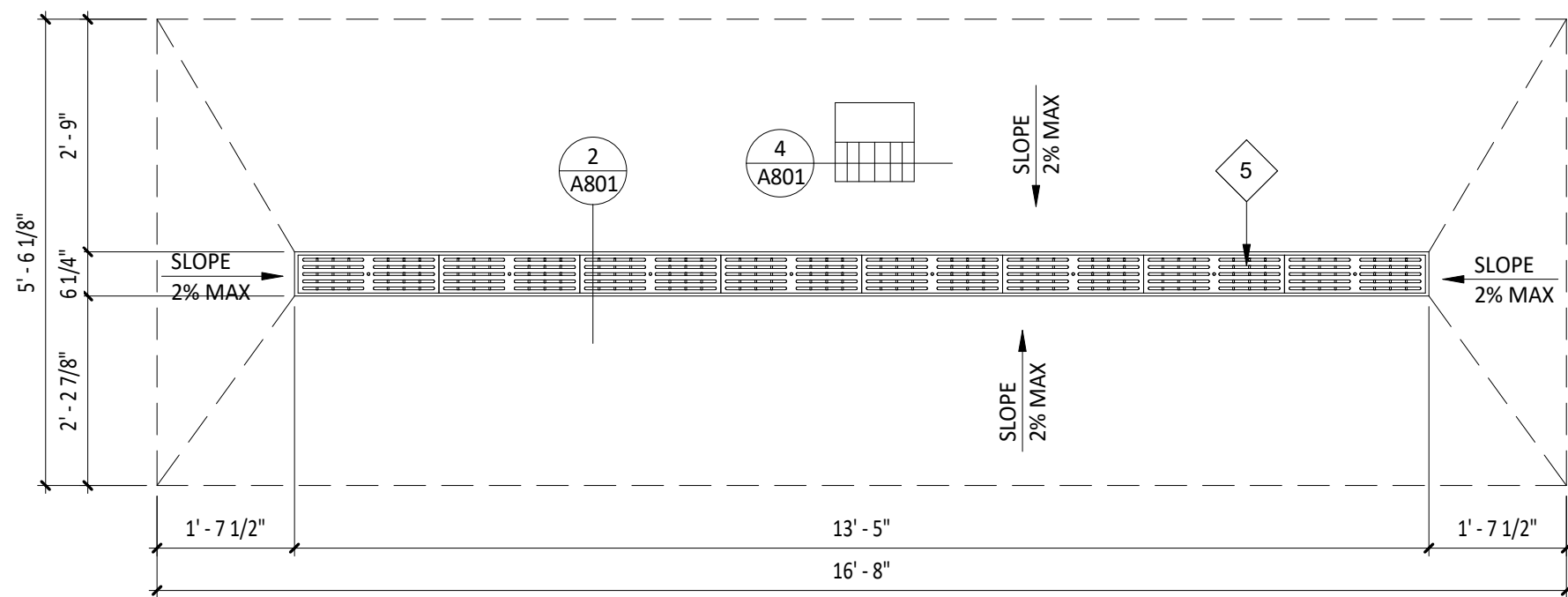
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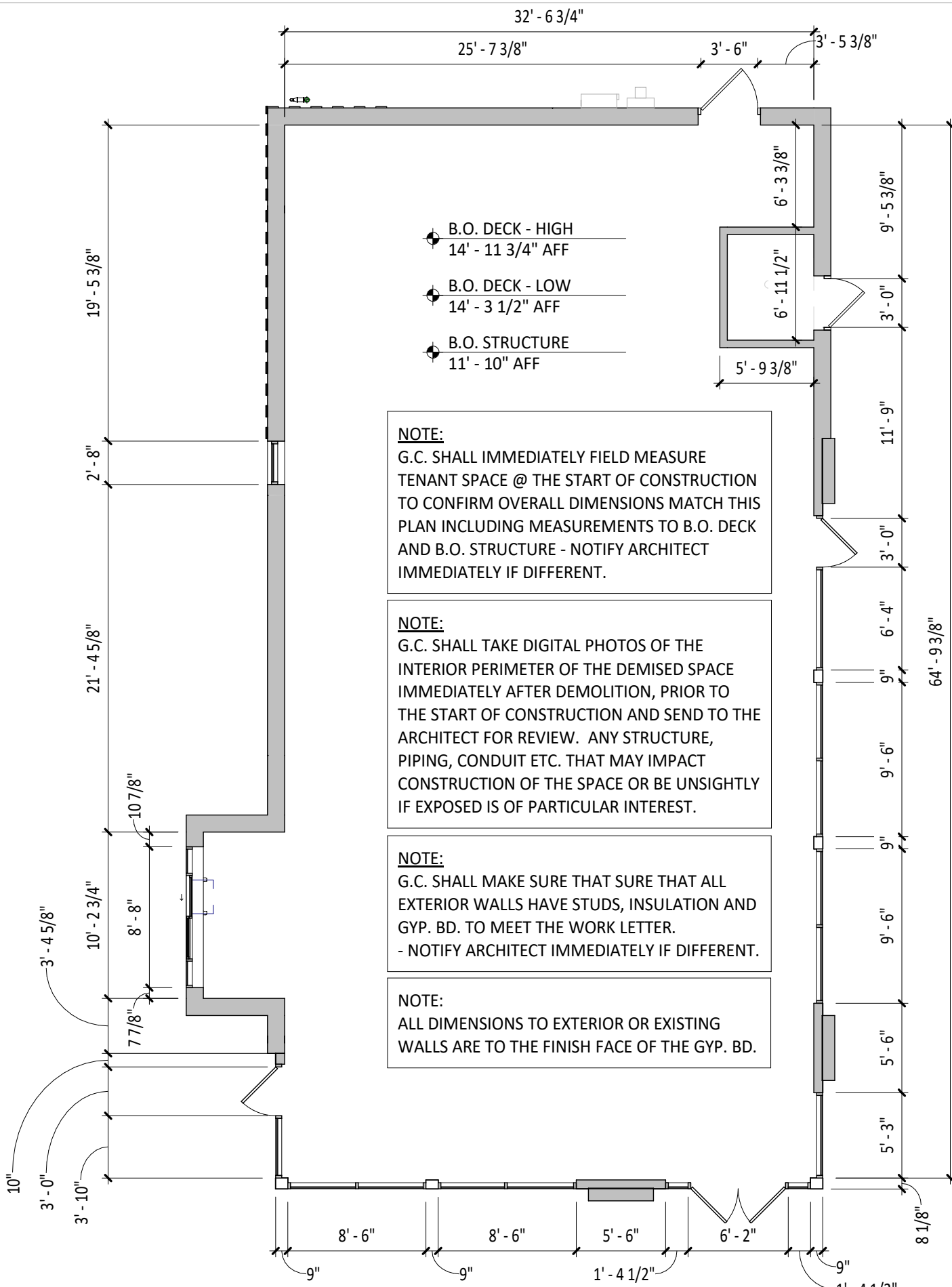
1 SLAB WORK PLAN
SCALE: 1/4" = 1'-0" A101



2 DIMENSIONED 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" A101

GENERAL NOTES - SLAB PLAN

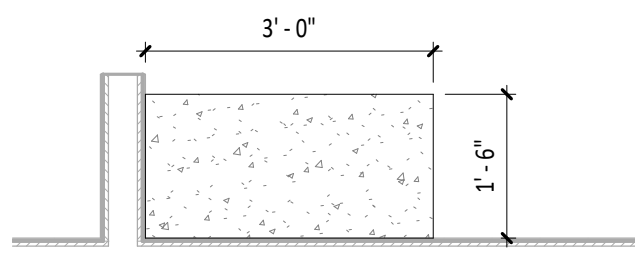
- ALL DIMENSIONS ARE TO THE INSIDE FINISHED FACE OF EXISTING GYP. BD. UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS ARE TO THE CENTERLINE OF FIXTURE UNLESS OTHERWISE NOTED.
- GC TO REVIEW ELECTRICAL PLANS FOR LIGHTING OR POWER STUB LOCATIONS PRIOR TO POURING SLAB.
- REFER TO "03300 - CAST-IN-PLACE CONCRETE" 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.

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



5 DIMENSIONED CURB PLAN
SCALE: 1/2" = 1'-0" A101

CONSULTANT:



CLIENT:



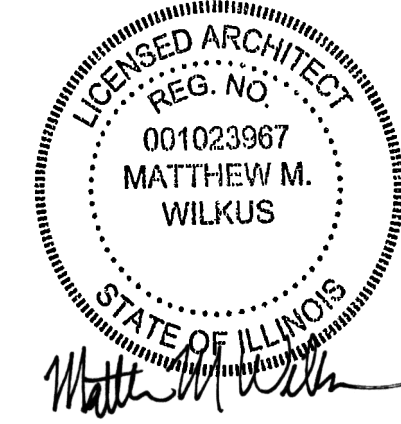
CHIPOTLE MEXICAN GRILL, INC.
P.O. BOX 16566
COLUMBUS, OH 43216-2566
TELEPHONE: (614) 318-2482
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: 4915
"LAKE ZURICH"
442 S. RAND ROAD
LAKE ZURICH, IL 60047

SEAL:



July 15, 2024

MATTHEW M. WILKUS
LICENSE #001.023967
(EXPIRES 11/30/2024)

PROJECT NO. 2023-0056

DRAWN BY JSB

CHECKED BY DVA

ISSUE RECORD:

01/11/2024 PERMIT SET

06/12/2024 BID SET

07/01/2024 CONSTRUCTION SET

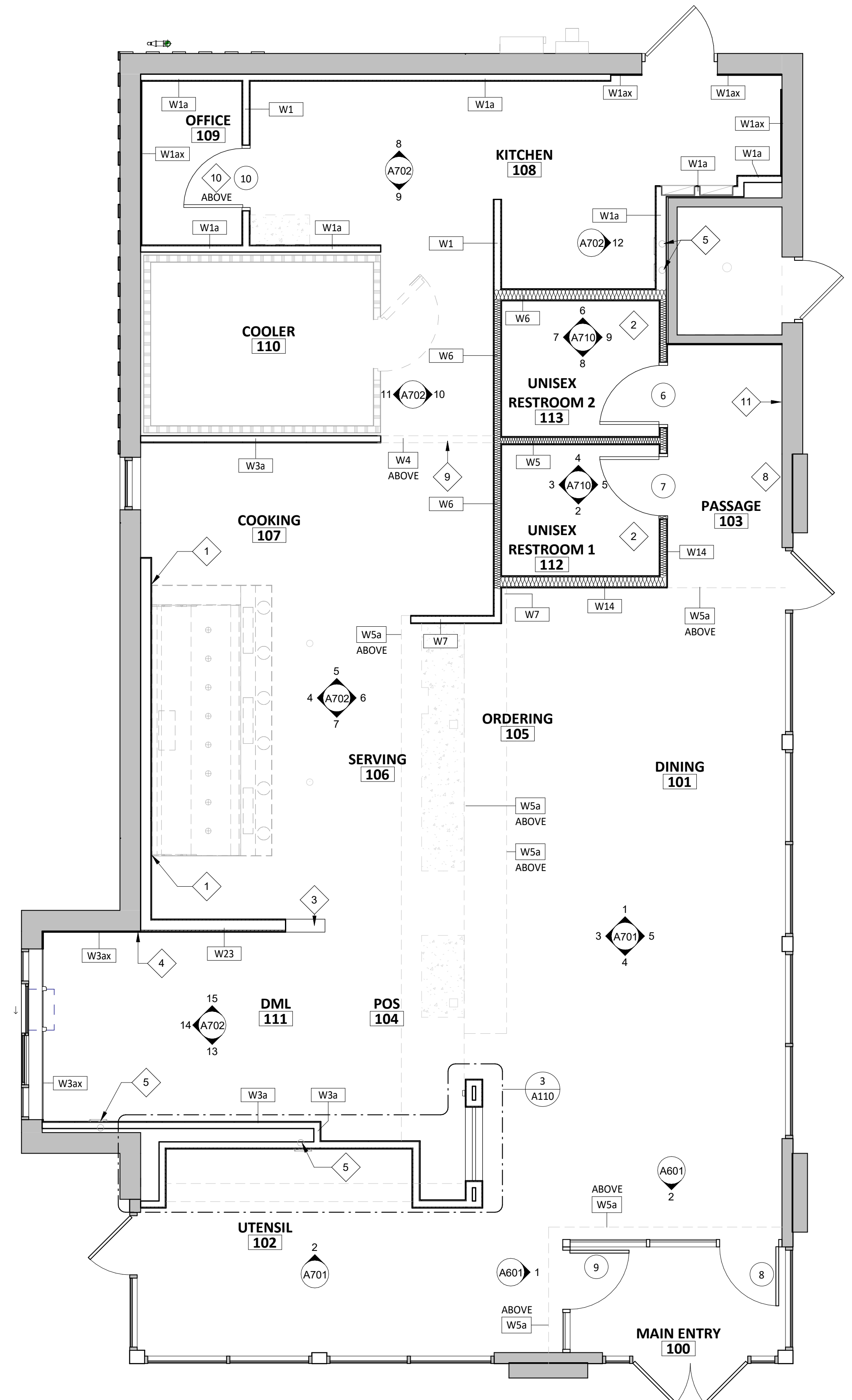
REVISIONS:

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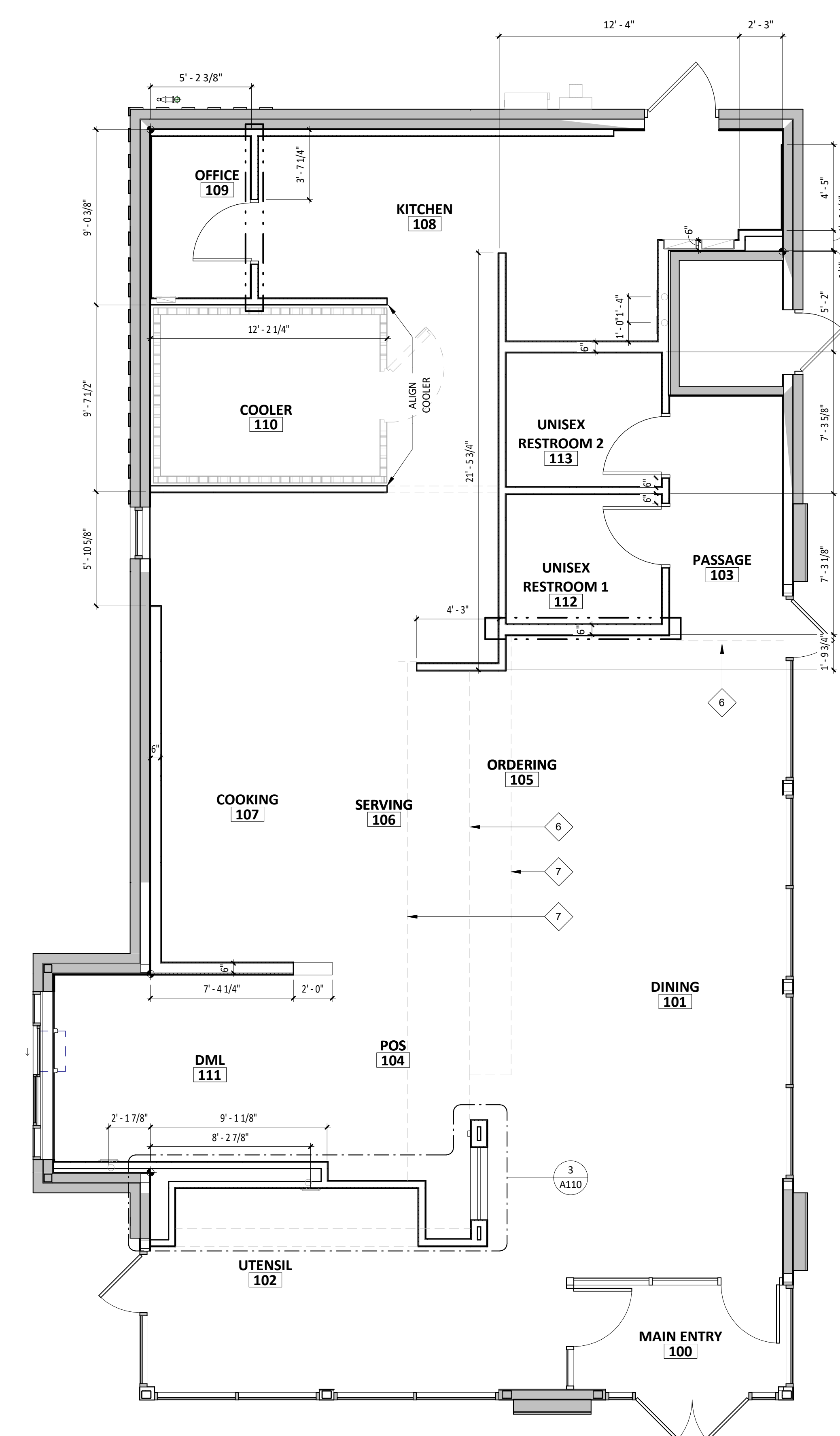
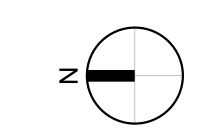
SLAB WORK PLAN

SHEET NUMBER:

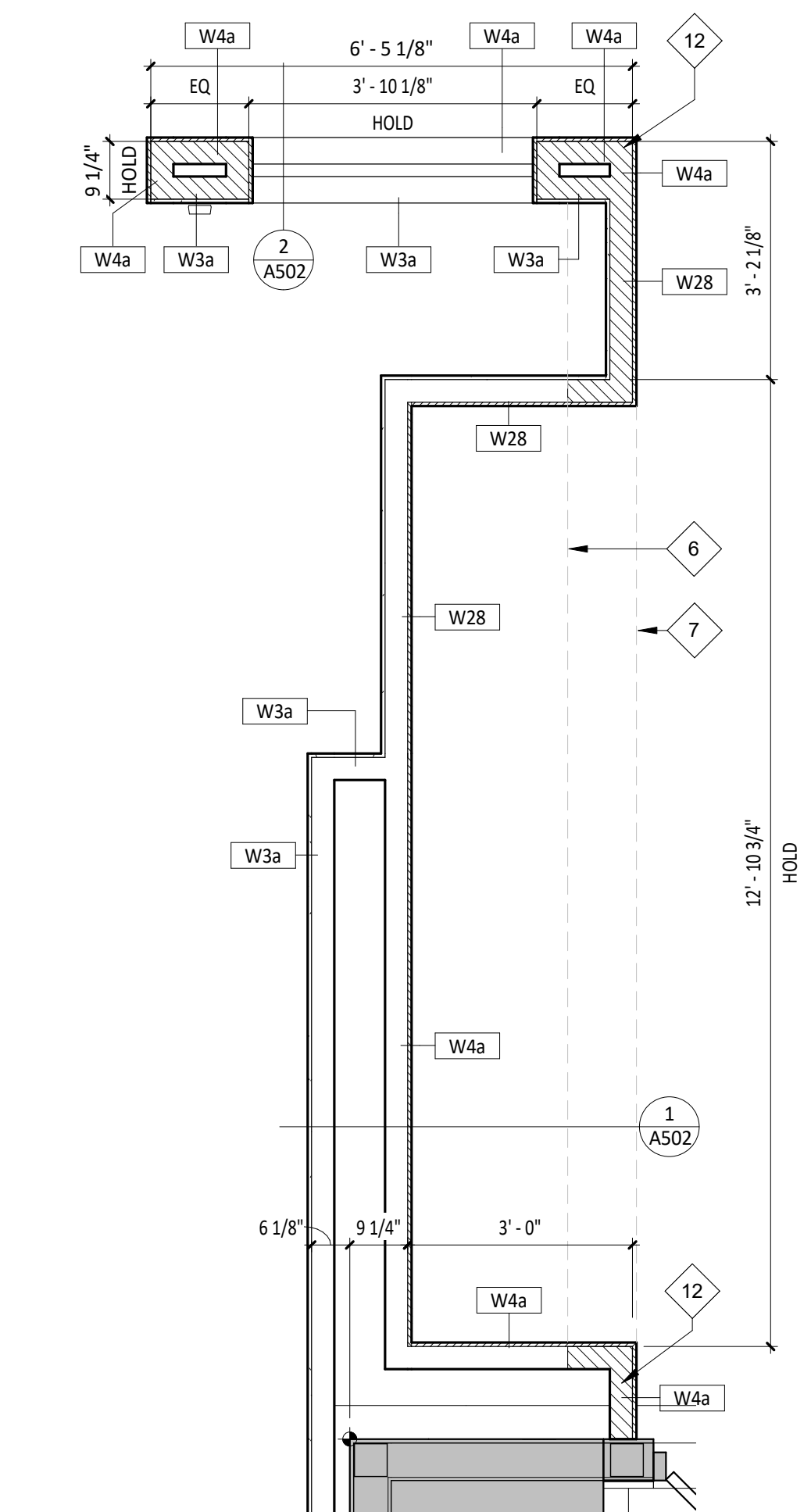
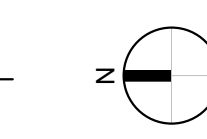
A101



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



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

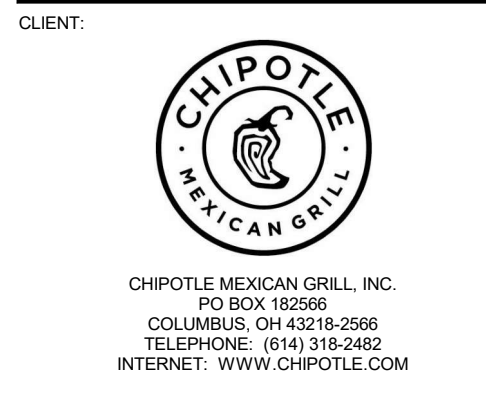


3 ENLARGED UTENSIL/MOPUS PLAN
SCALE: 1/2" = 1'-0"

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

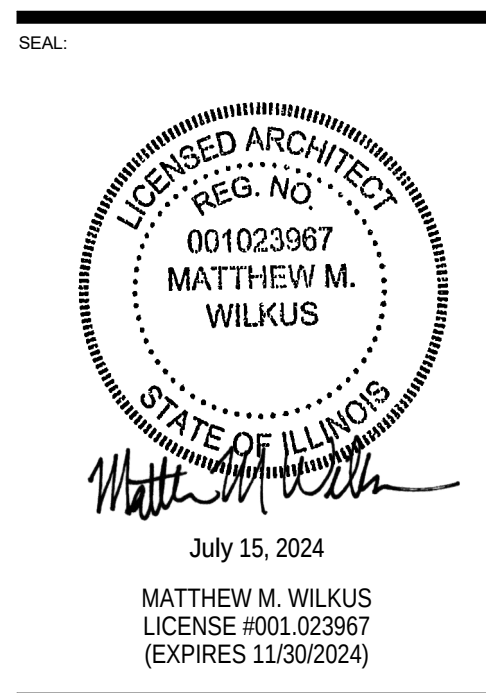
GENERAL NOTES - FLOOR PLAN	
A.	ALL DIMENSIONS ARE TO FACE OF FRAMING, OR CENTERLINE OF STRUCTURE UNLESS NOTED OTHERWISE.
B.	ALL DIMENSIONS TO EXTERIOR OR EXISTING WALLS ARE TO THE FINISH FACE OF THE EXISTING GYP. BD.
C.	ALL INTERIOR DOORS ARE 4" OFF OF PERPENDICULAR WALL UNLESS NOTED OTHERWISE.
D.	REFER TO WALL FINISH LEGEND ON A120.
E.	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.
F.	SEE SHEET A801 FOR ADDITIONAL SHEATHING BEHIND CERTAIN WALL FINISHES.
G.	SEE A601 FOR DOOR TYPES.
H.	TENANT'S GENERAL CONTRACTOR TO PERFORM 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.
I.	PROVIDE FULL HEIGHT BLOCKING IN WALL FOR ALL SHELVING, TYP.
J.	DENSSHIELD TILE BACKER BOARD SHALL NOT BE INSTALLED OVER VAPOR BARRIERS AT EXTERIOR WALLS.
K.	MOISTURE RESISTANT GYP. BD. SHALL BE USED IN RESTROOMS.
L.	ALL STUDS ARE 3 5/8" METAL STUDS UNLESS NOTED OTHERWISE ON PLAN.

KEYNOTE LEGEND	
1	WHERE GREASE EXHAUST HOOD INTERSECTS WALLS, PROVIDE 24 GAUGE GALVANIZED METAL FROM TOP OF WAL LTO 18" PAST HOOD IN ALL DIRECTIONS.
2	FOR ALL REQUIRED BLOCKING LOCATIONS, REFER TO ELEVATIONS ON A710.
3	LOCATION OF WALL PASS-THROUGH OPENING - REFER TO A702.
4	SUBSTRATE FACE TO ALIGN.
5	DRYER VENTS IN WALL FOR SODA LINES ROUTED ABOVE 4" PVC PIPES - REFER TO A801 FOR ADDITIONAL INFORMATION.
6	DASHED LINES INDICATE LOCATION OF SOFFIT WALL TO DECK ABOVE - REFER TO A201 FOR ADDITIONAL INFORMATION.
7	DASHED LINES INDICATE LOCATION OF SOFFIT ABOVE - REFER TO A201 FOR ADDITIONAL INFORMATION.
8	PROVIDE IN-WALL BLOCKING FOR LICENSE FRAME AS REQUIRED.
9	DASHED LINES INDICATE LOCATION OF HEADER ABOVE - REFER TO A201 FOR ADDITIONAL INFORMATION.
10	PROVIDE MOUNTING BOARDS FOR SECURITY SYSTEMS AND TELECOMS - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
11	PROVIDE 25 GAUGE GLAVANIZED METAL TO 50 1/2" A.F.F.
12	HATCHING IN WALLS INDICATE TOP OF FRAMING TO TERMINATE AT 10'-0" A.F.F.



CLIENT:
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STORE NO.: 4915
"LAKE ZURICH"
442 S. RAND ROAD
LAKE ZURICH, IL 60047

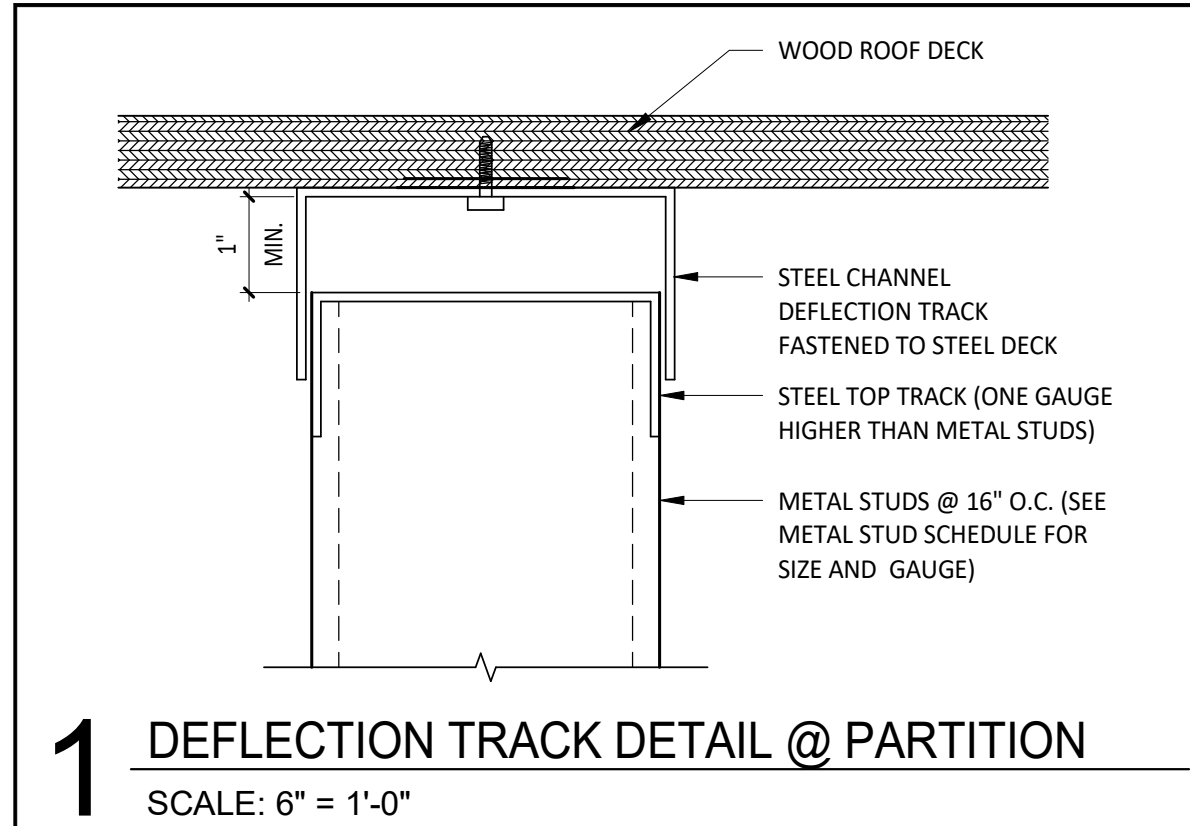


PROJECT NO. 2023-0056
DRAWN BY JSB
CHECKED BY DVA
ISSUE RECORD:
01/11/2024 PERMIT SET
06/12/2024 BID SET
07/01/2024 CONSTRUCTION SET

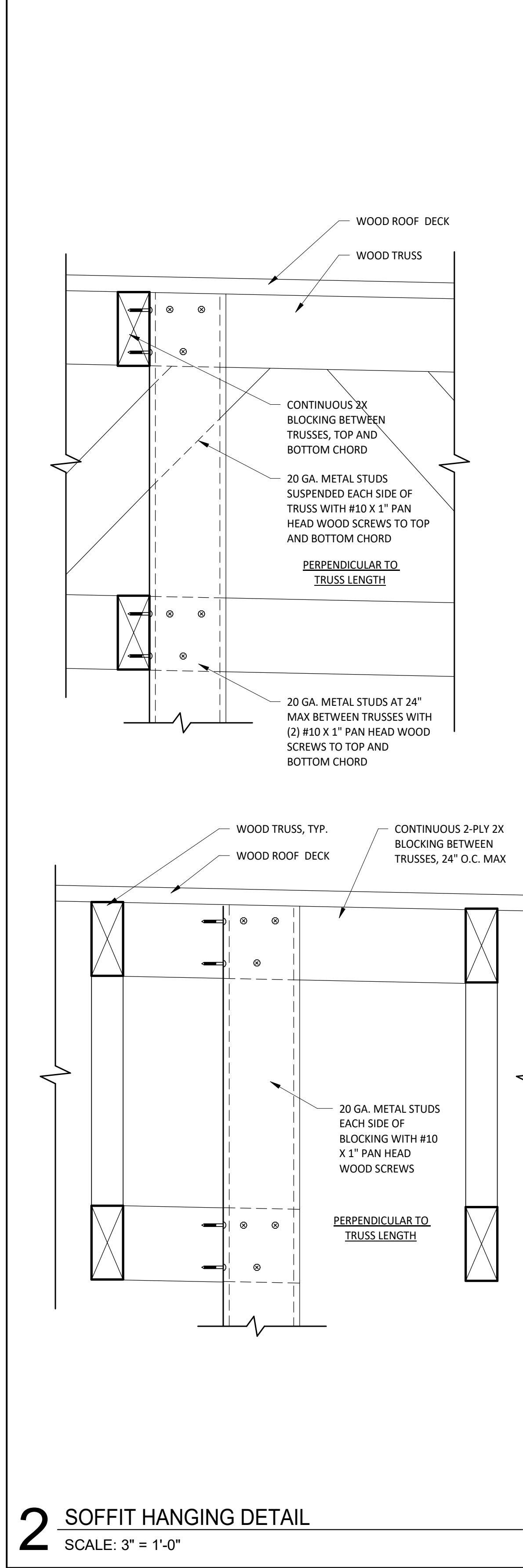
REVISIONS:	
1	
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12	

TITLE:
ARCHITECTURAL
FLOOR PLAN

SHEET NUMBER:
A110

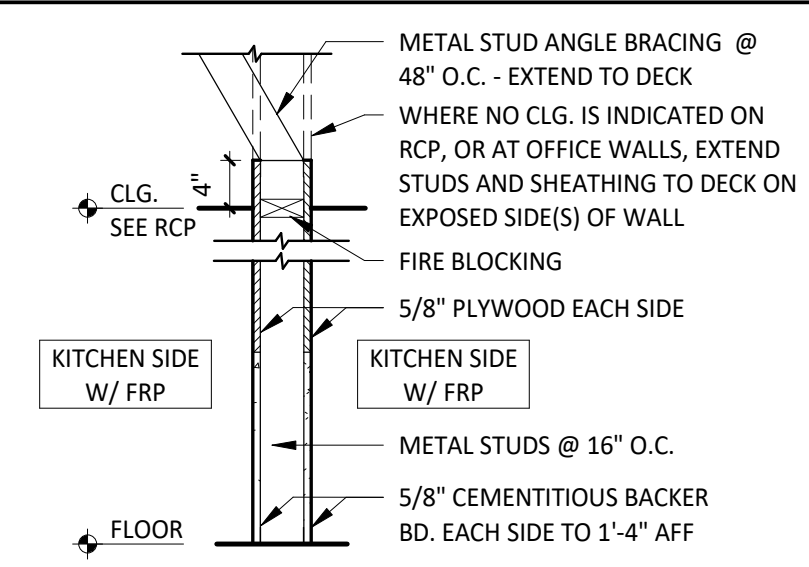


1 DEFLECTION TRACK DETAIL @ PARTITION
SCALE: 6" = 1'-0"

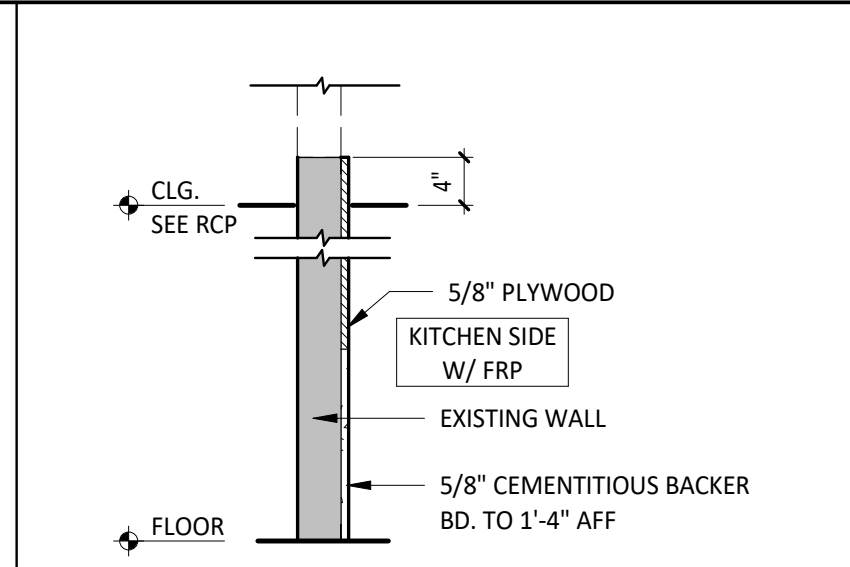


2 SOFFIT HANGING DETAIL
SCALE: 3" = 1'-0"

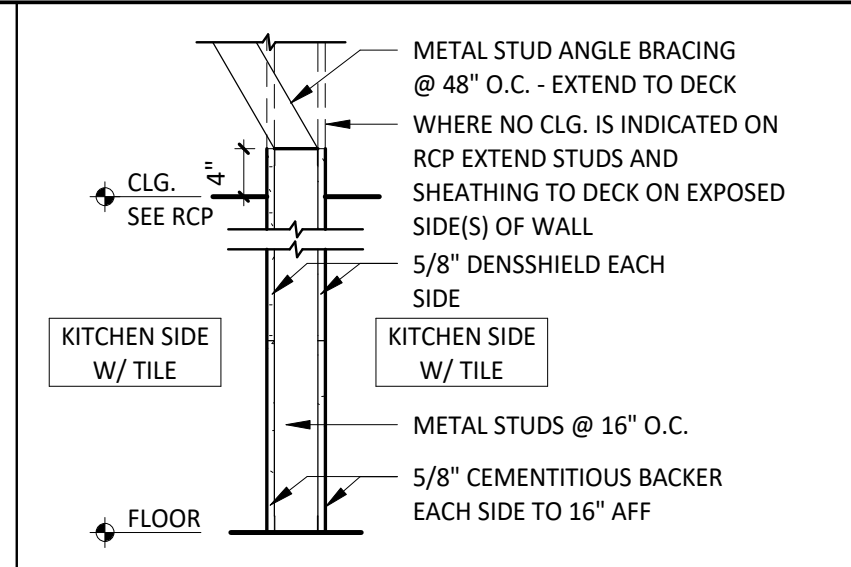
WALL TYPES



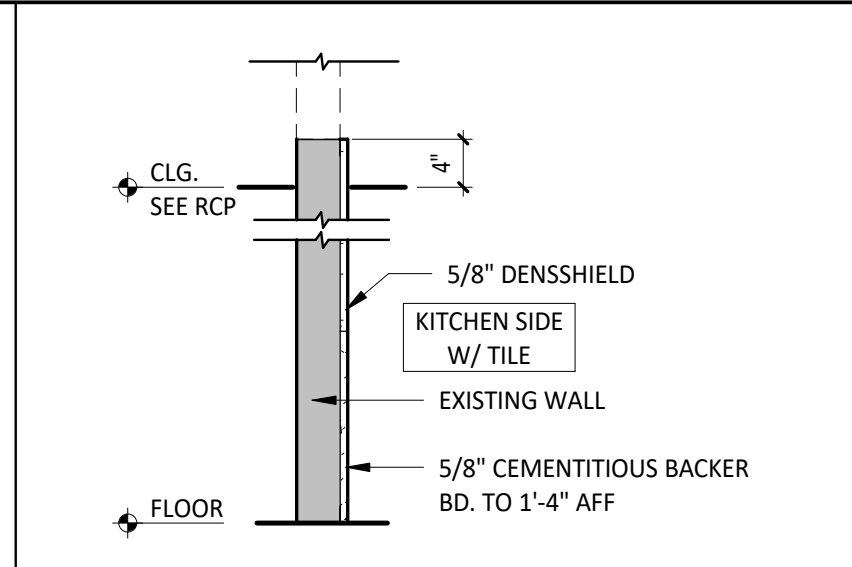
W1 INTERIOR PARTITION
W1a INTERIOR PARTITION (1-SIDE ONLY)



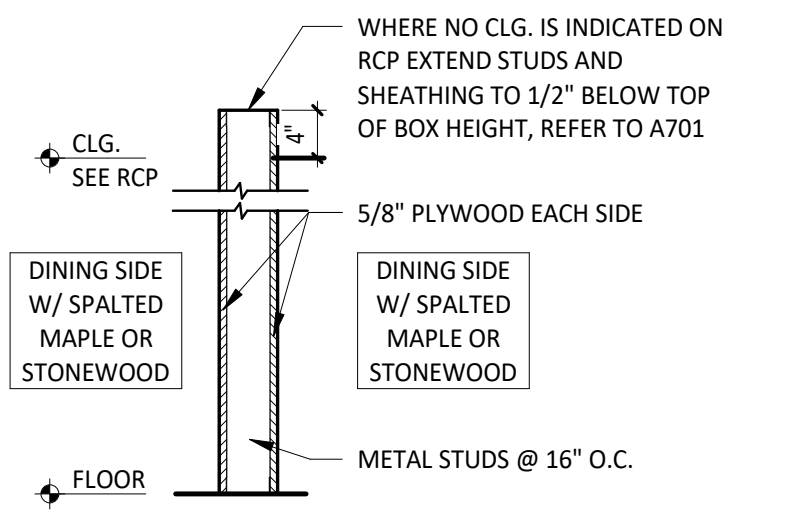
W1ax INTERIOR PARTITION (SUBSTRATE ONLY)



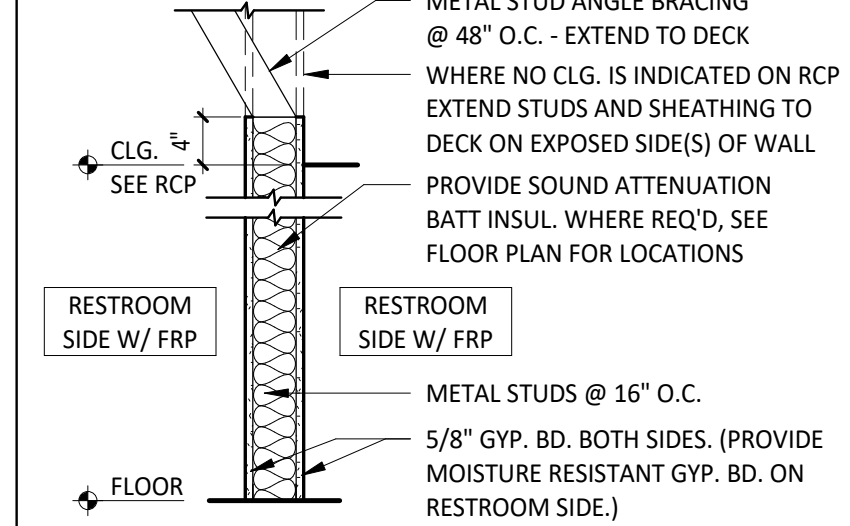
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W3a INTERIOR PARTITION (1-SIDE ONLY)



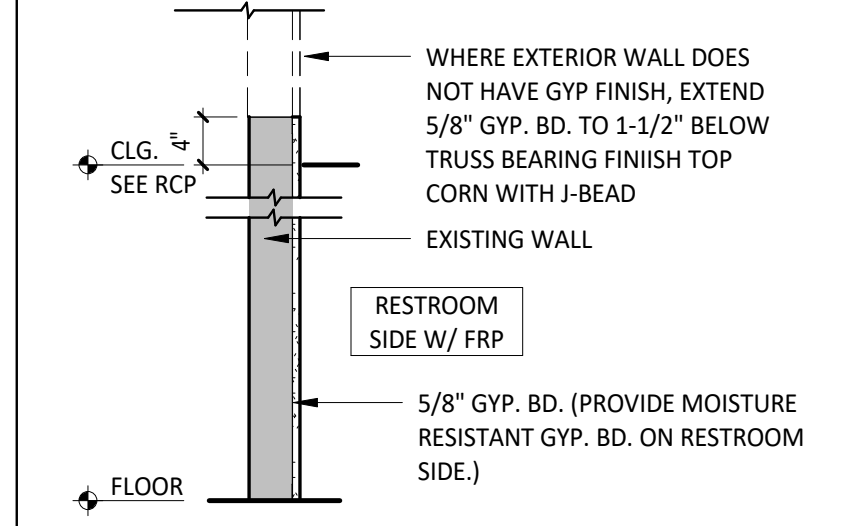
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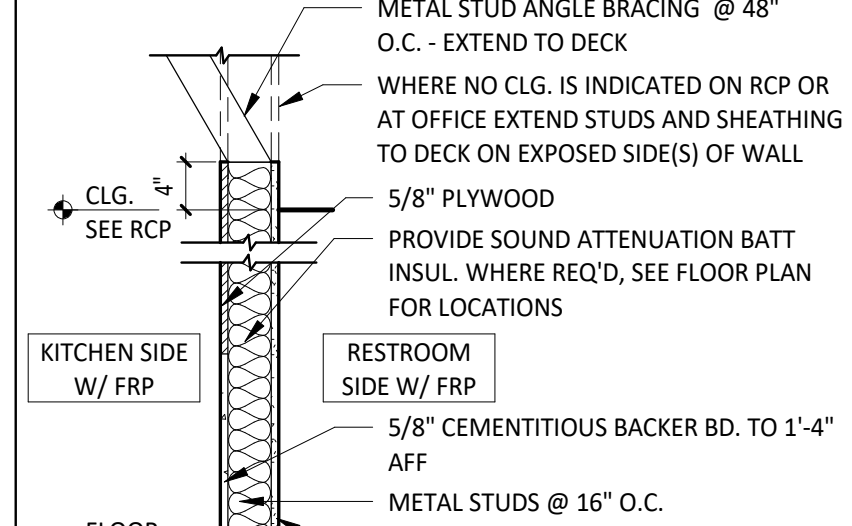
W4 INTERIOR PARTITION
W4a INTERIOR PARTITION (1-SIDE ONLY)



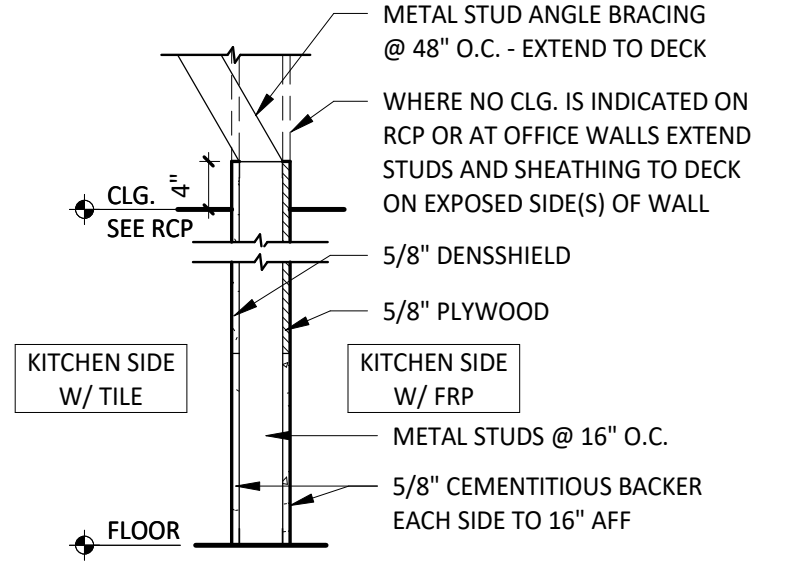
W5 INTERIOR PARTITION
W5a INTERIOR PARTITION (1-SIDE ONLY)



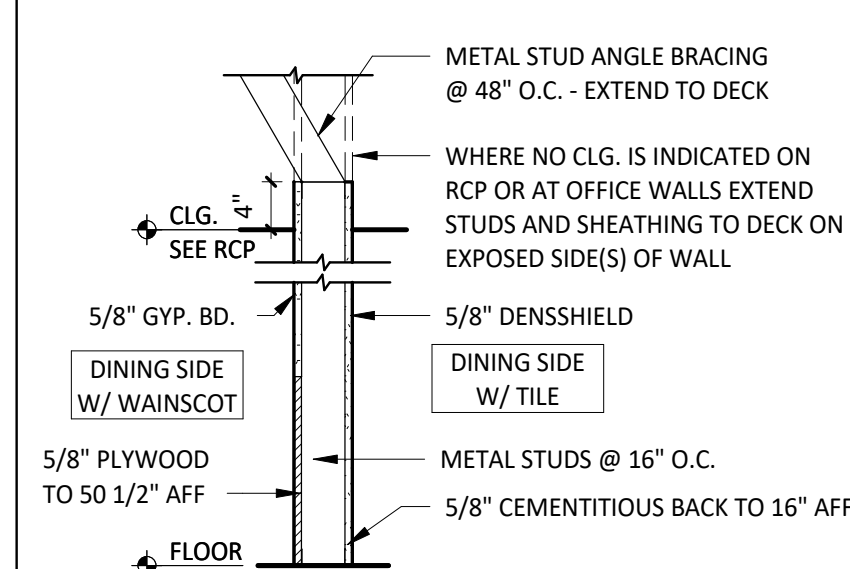
W5ax INTERIOR PARTITION (SUBSTRATE ONLY)



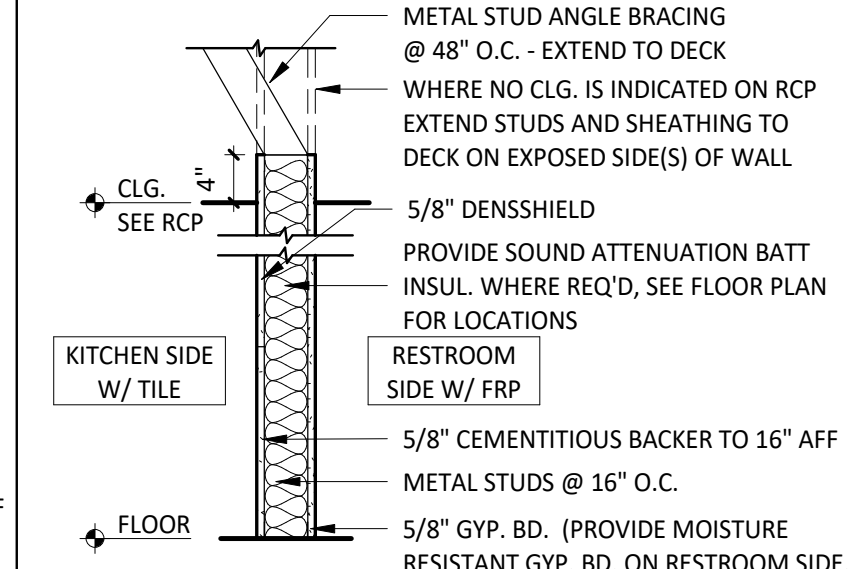
W6 INTERIOR PARTITION



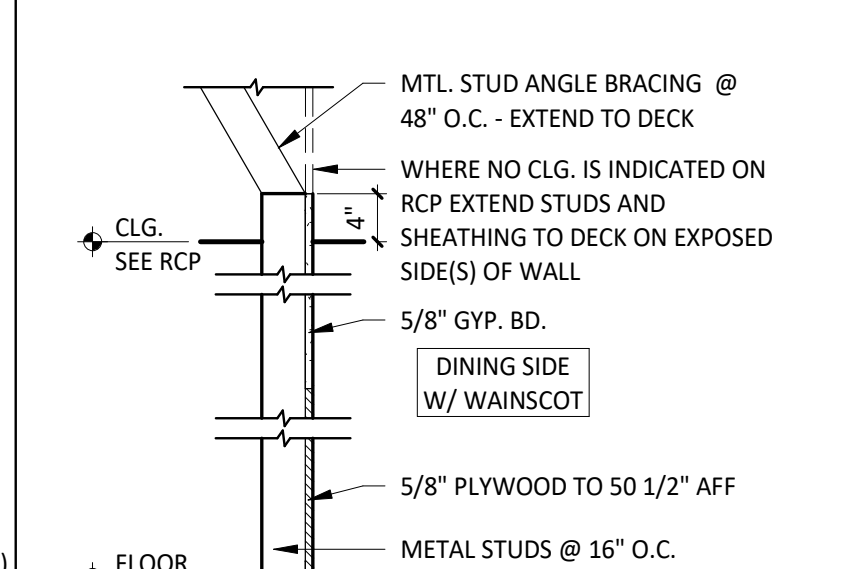
W7 INTERIOR PARTITION



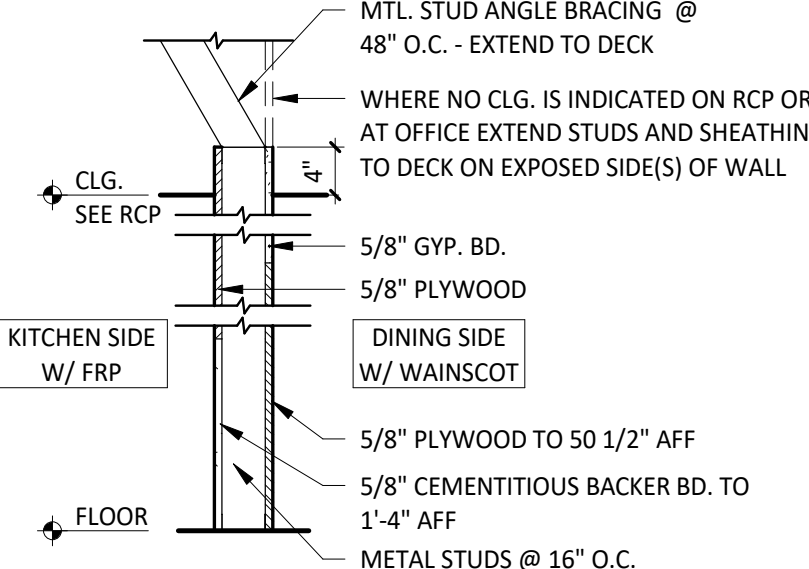
W8 INTERIOR PARTITION



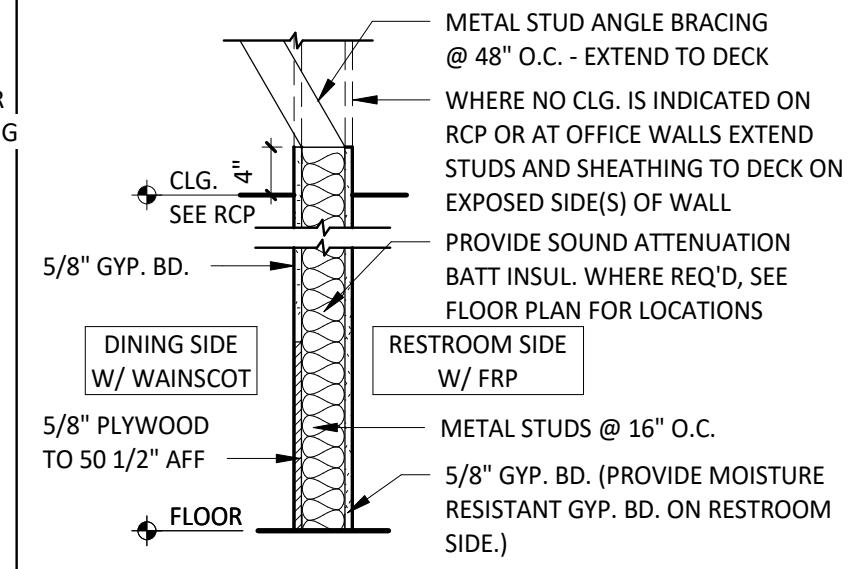
W9 INTERIOR PARTITION



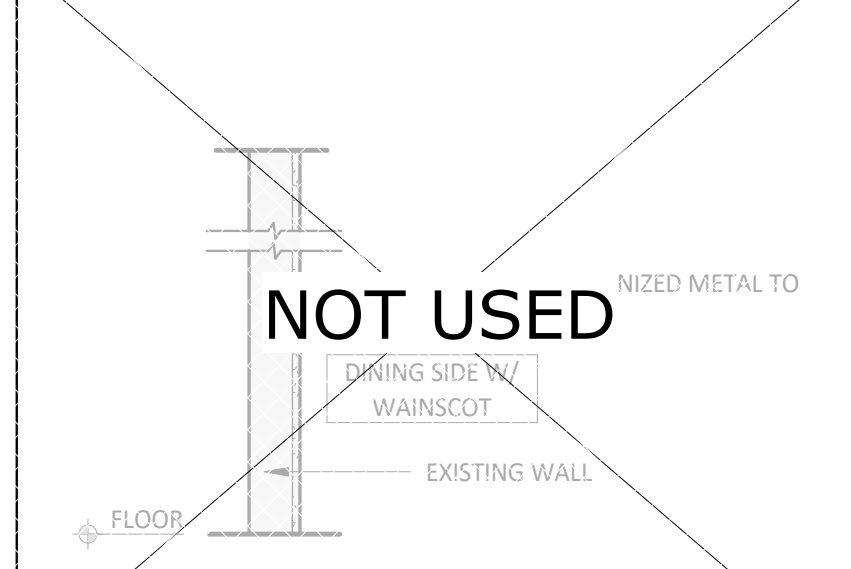
W10a INTERIOR PARTITION



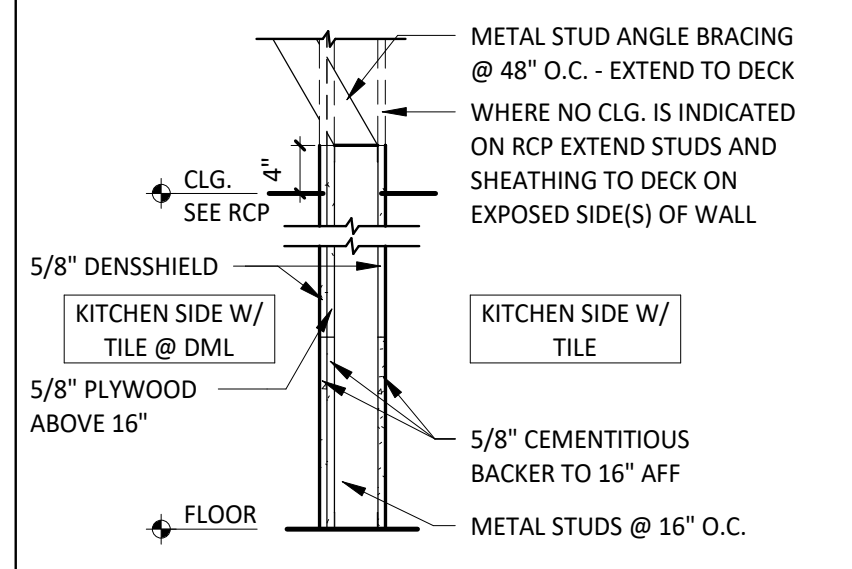
W11 INTERIOR PARTITION



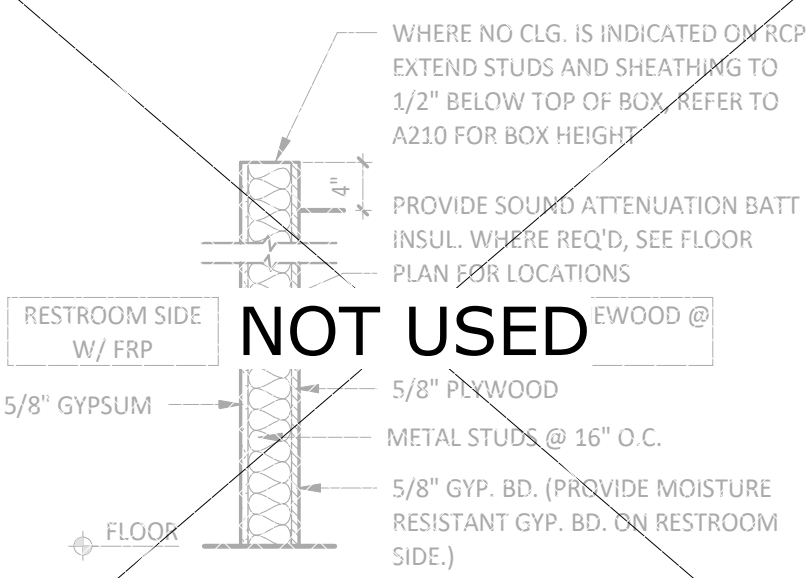
W14 INTERIOR PARTITION



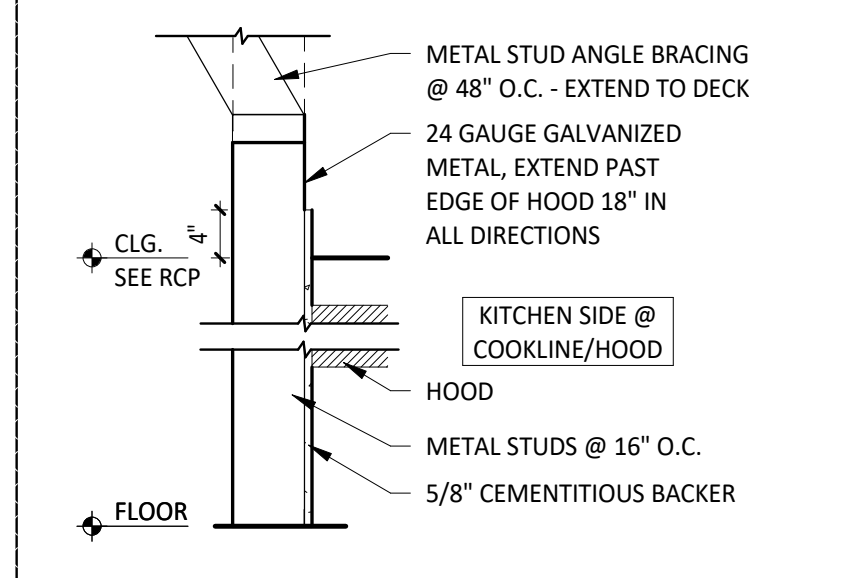
W16ax INTERIOR PARTITION



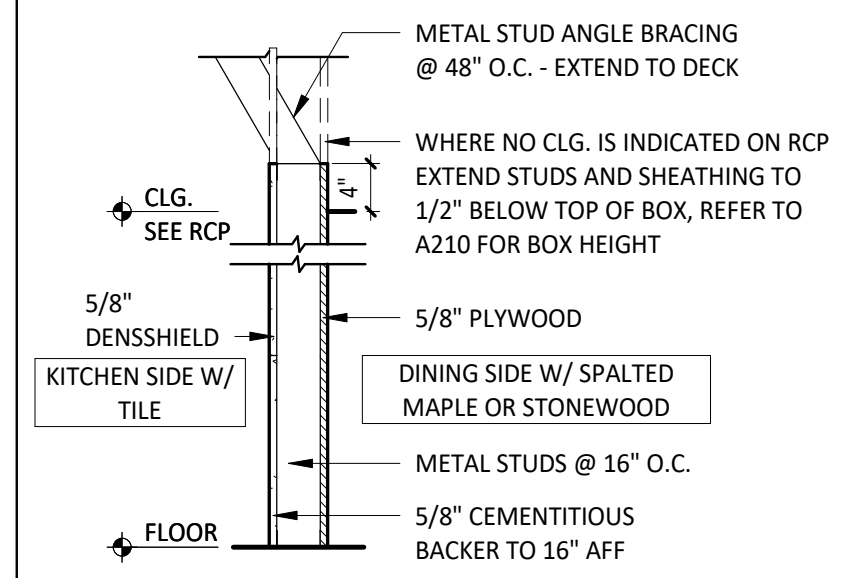
W23 INTERIOR PARTITION



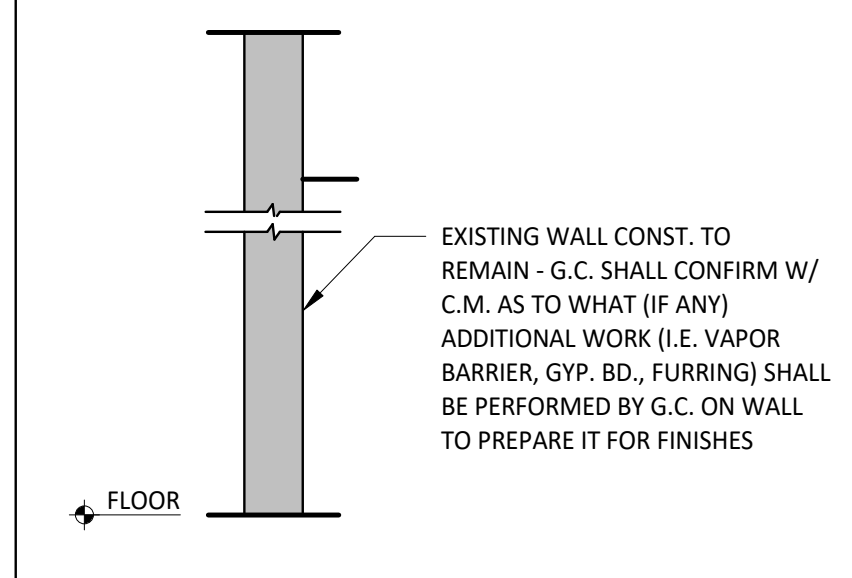
W24 INTERIOR PARTITION



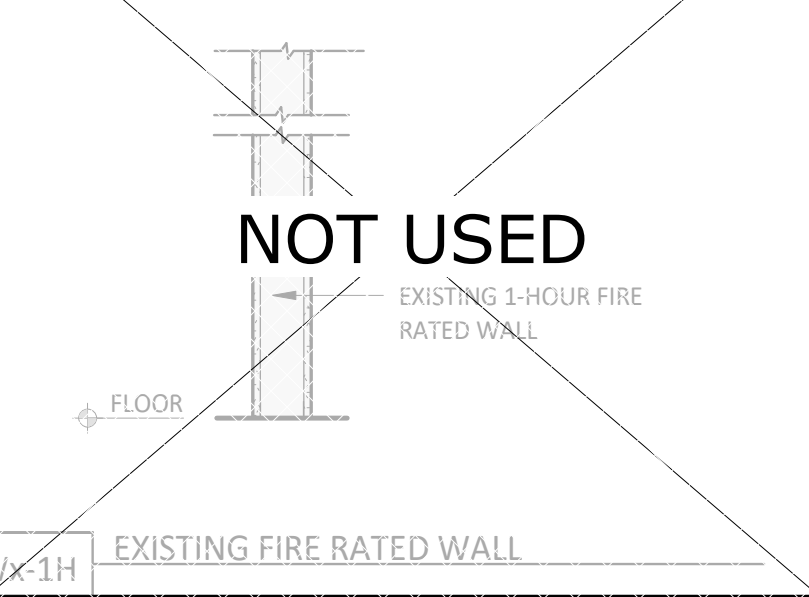
W26a INTERIOR PARTITION



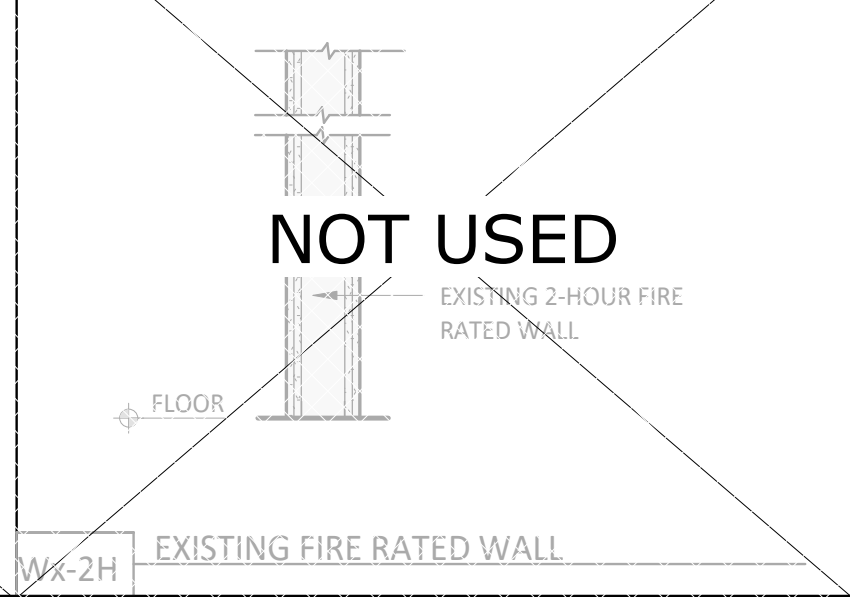
W28 INTERIOR PARTITION



Wx EXISTING WALL



Wx-1H EXISTING FIRE RATED WALL



Wx-2H EXISTING FIRE RATED WALL

GENERAL NOTES - WALL TYPES

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

STUD SCHEDULE & NOTES

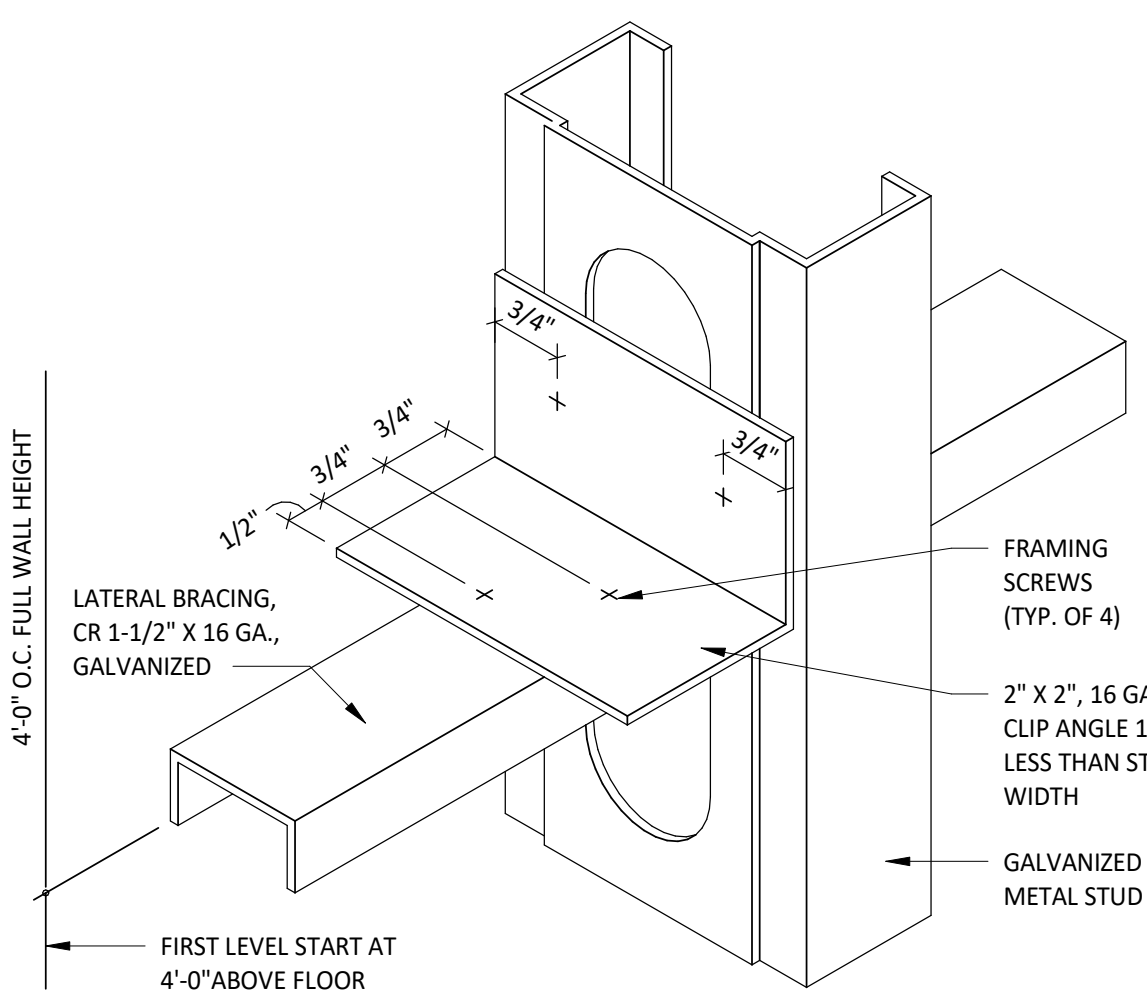
- ALL HEIGHTS REFER TO UN-BRACED HEIGHTS.
- ALL HEIGHTS BASED ON 16" O.C. SPACING.
- BOTTOM TRACK TO BE SAME GAUGE AS STUD.
- TOP TRACK TO BE ONE GAUGE HIGHER.

SIZE/TYPE	W/O HUNG SHELVING	W/ HUNG SHELVING
362S125-18	UP TO 12'-0"	
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:
 - 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
 - STEEL STUDS OR TRACKS TO WOOD PURLINS, GIRDERS AND BEAMS:
#14 - 10 X 1 1/2" H.W.H. TYPE "S" METAL-TO-WOOD TEKs AT 12" O.C., 2" FROM EACH END
 - STEEL STUDS OR TRACKS TO STRUCTURAL STEEL (TUBE/WIDE FLANGE COL'S, BM'S, GIRDER'S, ETC.)
0.145" DIA. HILTI X-EDNI FASTENERS, 5/8" MIN. LENGTH AND MIN. OF 2 PER CONNECTION, OR 2 ROWS AT 16" O.C. FOR CONTINUOUS APPLICATIONS SUCH AS TRACKS, U.N.O.
 - PLYWOOD TO STEEL STUDS:
#10 - 24 X 1 1/4" TEKs/3 (PLYMETALTEKS) WITH THIN WAFER HEAD - 24" O.C. FILED, 12" O.C. PERIMETER
 - GYPSUM BOARD TO STEEL STUDS:
#7 X 1-1/4" HI-LOW TYPE "S" BUGLE HEAD SCREWS FOR 3/8" TO 5/8" GYPSUM BOARD TO 25 GAUGE OR 20 GAUGE STUDS
#6 X 1-1/4" TYPE S-12 BUGLE HEAD SCREWS FOR 3/8" TO 5/8" TO 18 GAUGE OR 16 GAUGE STUDS OR TRACKS
FIELD - 12" O.C. CEILINGS, 24" O.C. WALLS
BUTT JOINTS 12" O.C.
 - STEEL STUDS OR TRACKS TO CONCRETE:
0.145" DIA. HILTI X-DINI FASTENER, 1" MIN. LENGTH, 2 ROWS AT 16" O.C.

- SEAL:
- PROJECT NO. 2023-0056
DRAWN BY JSB
CHECKED BY DVA
- ISSUE RECORD:
01/11/2024 PERMIT SET
06/12/2024 BID SET
07/01/2024 CONSTRUCTION SET
- REVISIONS:
- TITLE:
ARCHITECTURAL
WALL TYPES
- SHEET NUMBER:
A111



3 LATERAL BRACING DETAIL @ PARTITION
SCALE: NOT TO SCALE

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182666
COLUMBUS, OH 43218-2666
TELEPHONE: (614) 318-2482
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: 4915
"LAKE ZURICH"
442 S. RAND ROAD
LAKE ZURICH, IL 60047

SEAL:

LICENSED ARCHITECT
REG. NO. 001023967
MATTHEW M. WILKUS
STATE OF ILLINOIS
July 15, 2024
MATTHEW M. WILKUS
LICENSE #001.023967
(EXPIRES 11/30/2024)

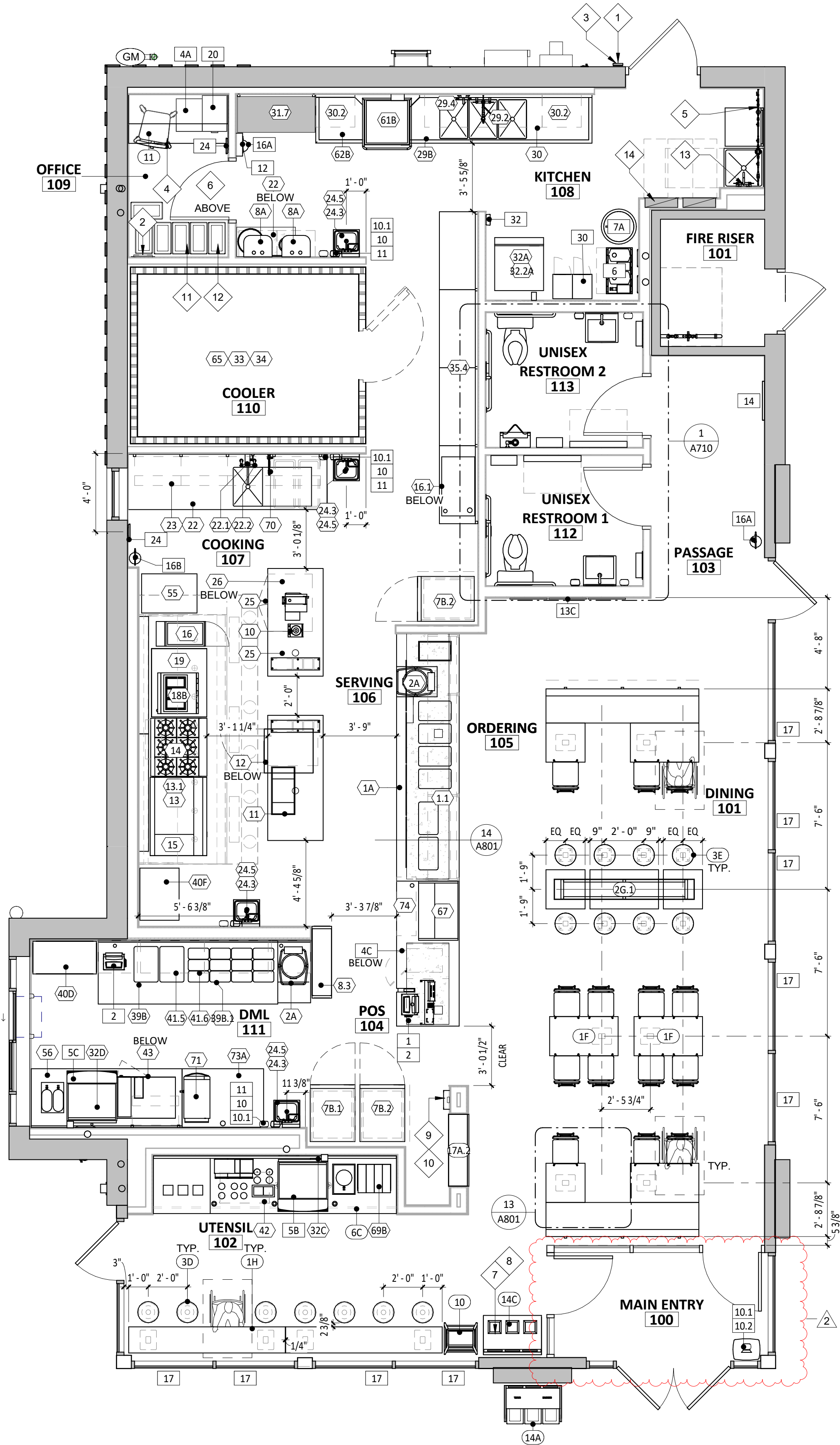
PROJECT NO. 2023-0056
DRAWN BY JSB
CHECKED BY DVA

ISSUE RECORD:
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06/12/2024 BID SET
07/01/2024 CONSTRUCTION SET

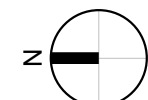
REVISIONS:

TITLE:
ARCHITECTURAL
WALL TYPES

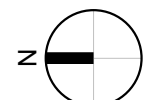
SHEET NUMBER:
A111



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



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

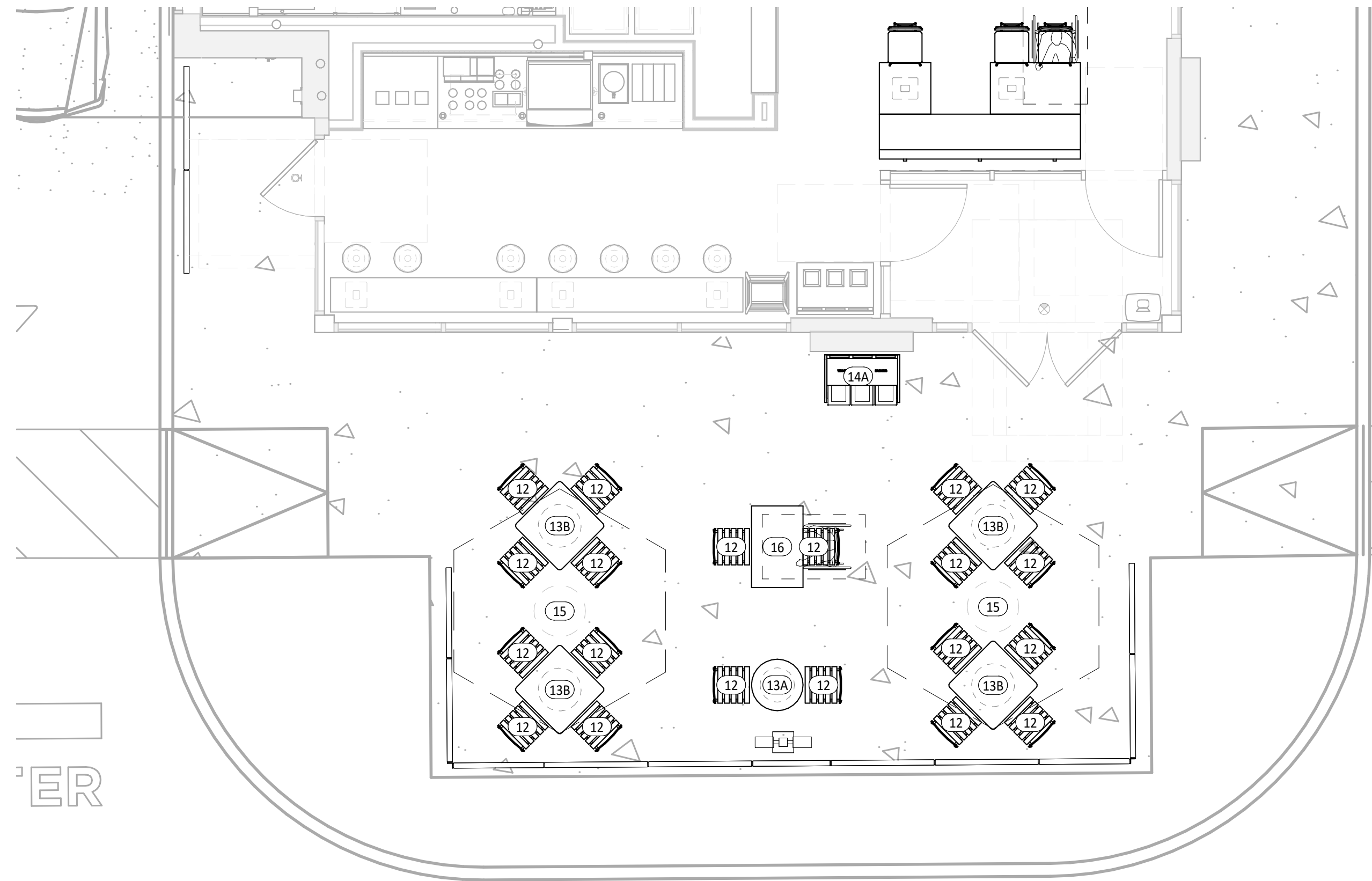


GENERAL NOTES - FF& E

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

KEYNOTE LEGEND

- CO2 REMOTE FILLER - VERIFY FINAL LOCATION WITH CHIPOTLE'S CONSTRUCTION MANAGER.
- BYPASS DISTRIBUTION PANEL - SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- EXISTING HOSE BIBBS BY LANDLORD - REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION.
- OFFICE DESK AND SHELVING - REFER TO SHEET A702 AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- WATER FILTER ABOVE - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- TELEPHONE BOARD ABOVE - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- HOLD TRASH SURROUND OFF 2" AROUND ADJACENT WALL SURFACES - TYPICAL.
- ALIGN TRASH SURROUND WITH EDGE OF DOOR.
- KRONOS TIMECLOCK WILL BE LOCATED 44" A.F.F. TO THE TOP OF UNIT - CENTER KRONOS UNIT IN WALL - REFER TO ELECTRICAL DRAWINGS.
- ANSUL PULL TO BE LOCATED 48" A.F.F. TO THE CENTER OF UNIT ABOVE THE TIMECLOCK LOCATION.
- MOVEABLE LINEN BINS WITH UID - TYPICAL OF FOUR (4).
- MOVEABLE BACK-UP TRASH BINS FOR DINING AREA TRASH SURROUNDS - TYPICAL OF TWO (2).
- ATTACH A STAINLESS STEEL SHEET OF BAG IN BOX WHEN CHEMICAL SHELF IS DIRECTLY ADJACENT TO RACK.
- EXISTING ELECTRICAL PANELS PROVIDED BY LANDLORD - SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.



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	Front Serve Line - 12 Pan - RTD - POS Right	Defield	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	Defield	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; Marlo 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; Marlo 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-RGC-60	1	KES	GC	•	•			Final Connection by GC. RE:Mechanical Drawings
19	Rice Cooker Stand - Left	Nationwide Fab; Marlo 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; Marlo 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-1033-12CRBSK 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; Marlo 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	Cuno	Bev 190	3	KES	KES			•		
32.4	Ice Maker - Scale Inhibitor	Cuno	CF5440-HT	3	KES	KES			•		
32.5	Ice Maker - Sanitizer	RGF	JMSB	3	TUV	GC	•				Refer To Installation Guide. When Installed At Utensil Counter, Mount Below Counter In Accessible Location. Refer To Plumbing Drawings.
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	KMD-530MRJZ	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 23x19x85in	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	KES					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	AM16SCB	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
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	11	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
22	Water Softener	1	KES	GC			•	•	See MEP Sheets For Details
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
30	Lockers - 2 Wide x 5 High	1	KES	GC					
31D	14inx31in 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	1	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	8	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 Provided by Tundra In Smallwares Package
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:



WILKUS
ARCHITECTS

CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
PO BOX 16566
COLUMBUS, OH 43216-2566
TELEPHONE: (614) 316-2462
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: 4915

"LAKE ZURICH"
442 S. RAND ROAD
LAKE ZURICH, IL 60047

SEAL:



July 15, 2024
MATTHEW M. WILKUS
LICENSE #001.023967
(EXPIRES 11/30/2024)

PROJECT NO. 2023-0056

DRAWN BY JSB

CHECKED BY DVA

ISSUE RECORD:

01/11/2024	PERMIT SET
06/12/2024	BID SET
07/01/2024	CONSTRUCTION SET

REVISIONS:

2	06/12/2024	BID SET
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TITLE:

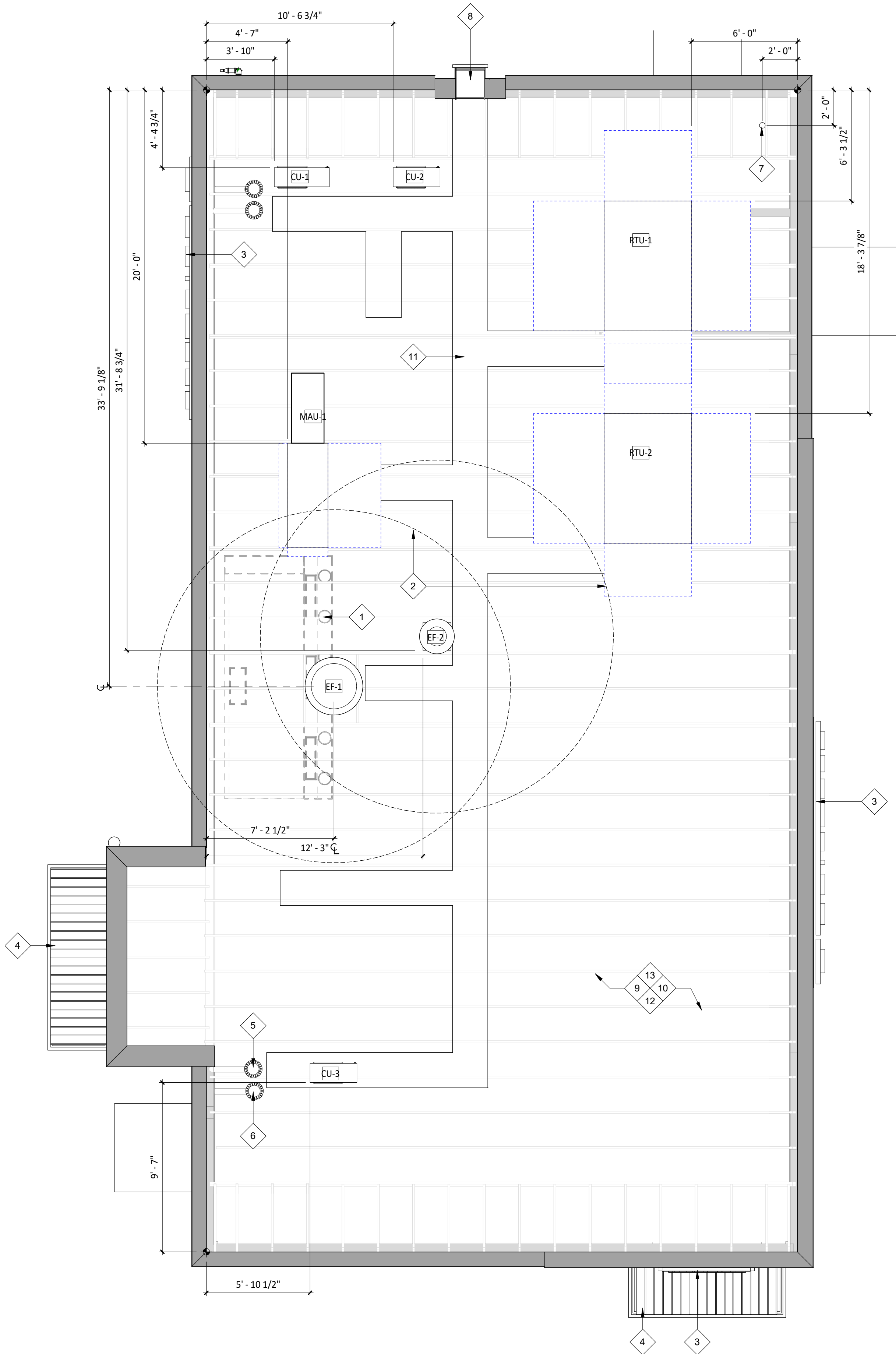
FF&E SCHEDULES

SHEET NUMBER:

A131

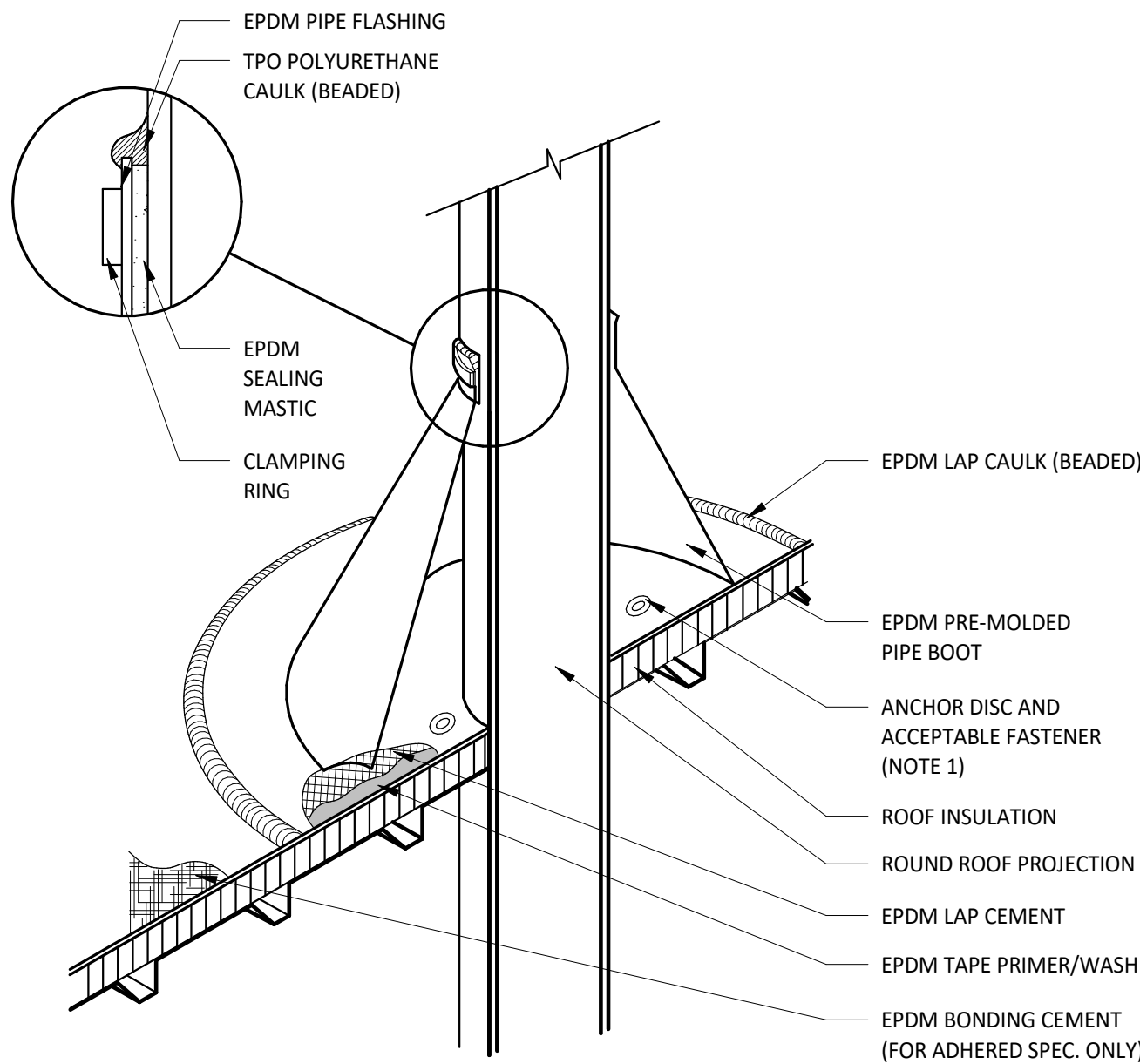
1 ROOF PLAN

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.

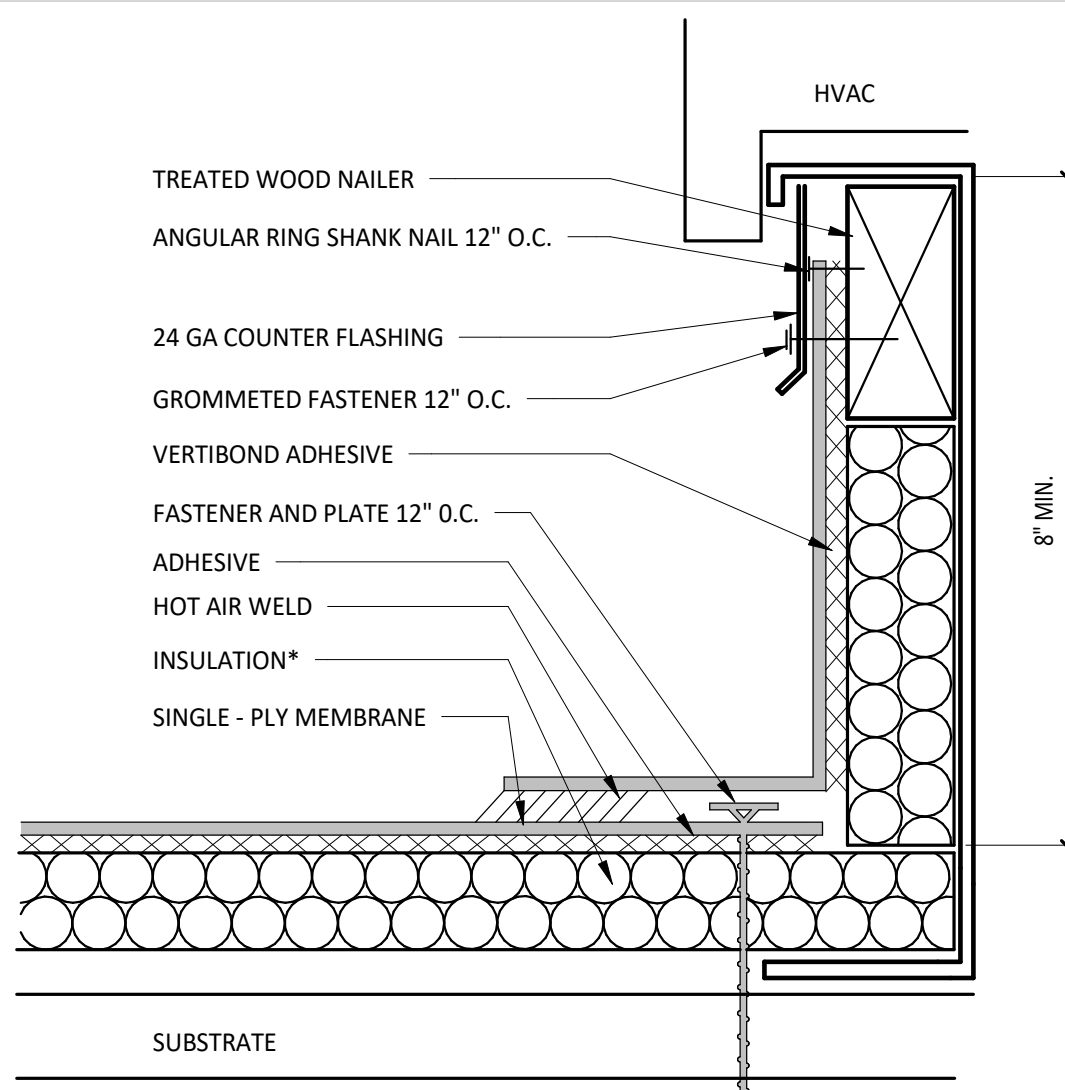


NOTE:

- 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 - SEE 2/A140
- 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 - SEE 3/A140
- 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

- DASHED LINE INDICATES LOCATION OF HOOD SYSTEM BELOW.
- 10'-0" RADIUS CLEARANCE FOR FRESH AIR INTAKES - REFER TO MECHANICAL 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.
- PRIMARY ROOF DRAIN LOCATION - GENERAL CONTRACTOR IS RESPONSBLE OF SNAKE CLEANING PRIOR TO BUILDING TURNOVER.
- OVERFLOW ROOF DRAIN LOCATION - GENERAL CONTRACTOR IS RESPONSBLE OF SNAKE CLEANING PRIOR TO BUILDING TURNOVER.
- THROUGH ROOF CONDUIT FOR CELL BOOSTER, REFER TO ELECTRICAL DRAWINGS
- EXISTING ROOF LADDER LOCATION.
- EXISTING WOOD JOISTS BELOW SHOWN FOR REFERENCE ONLY - REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- EXISTING FULLY ADHERED PVC ROOFING SYSTEM AND RIGID INSULATION - PATCH AND REPAIR AS REQUIRED - REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- ROOF TOP WALKING PADS PER MANUFACTURERS RECOMMENDATIONS - TYPICAL.
- GENERAL CONTRACTOR TO CLEAN ROOF OF ALL CONSTRUCTION DEBRIS AT PROJECT COMPLETION.
- LOCATIONS OF ALL ROOF PENETRATIONS ARE TO BE VERIFIED WITH APPROPRIATE SUBCONTRACTOR.

CONSULTANT:



CLIENT:



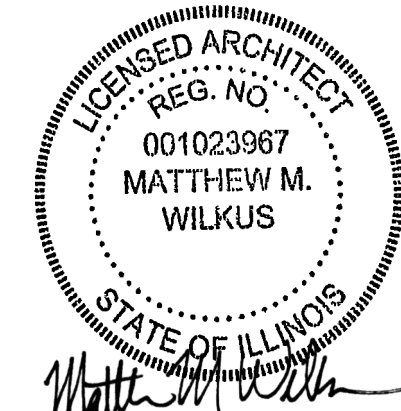
CHIPOTLE MEXICAN GRILL, INC.
P.O. BOX 182666
COLUMBUS, OH 43218-2666
TELEPHONE: (614) 318-2482
INTERNET: WWW.CHIPOTLE.COM

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"LAKE ZURICH"
442 S. RAND ROAD
LAKE ZURICH, IL 60047

SEAL:



July 15, 2024

MATTHEW M. WILKUS
LICENSE #001.023967
(EXPIRES 11/30/2024)

PROJECT NO. 2023-0056

DRAWN BY JSB

CHECKED BY DVA

ISSUE RECORD:

01/11/2024 PERMIT SET

06/12/2024 BID SET

07/01/2024 CONSTRUCTION SET

REVISIONS:

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
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
E7	VARIOUS	EMERGENCY LIGHT - DUAL HEAD	SEE SHEET E100
G4	FLOOR	PATIO LIGHT POLE	SEE SHEET E100
H1	SURFACE	HOOD LIGHT	SEE 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 COURSING 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

1	INTERIOR SECURITY CAMERA LOCATIONS - TYPICAL SIX (6) - CENTER IN CEILING TILE WHERE APPLICABLE.
2	LIGHTING FOR COOLER PROVIDED BY COOLER MANUFACTURER - GENERAL CONTRACTOR TO PROVIDE ROUGH-IN AND FINAL HOOK-UP.
3	UNDERSHELF TASK LIGHTING - REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
4	EXTERIOR SECURITY CAMERA LOCATIONS - TYPICAL OF TWO (2).
5	PROVIDE FREE AND CLEAR ACCESS TO HOOD AS REQUIRED - GENERAL CONTRACTOR TO COORDINATE WITH ALL TRADES TO MAINTAIN.
6	LOCATION OF MONITOR BY TENANTS VENDOR.
7	HOLD SOFFIT FRAMING SO GYPSUM SOFFIT FINISH DOESN'T OVERLAP WALL FINISH ON BOX BELOW - REFER TO FINISH PLAN FOR ADDITIONAL INFORMATION.
8	4" PVC PIPES STUBBED ABOVE CEILING FOR SODA BUNDLE - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
9	LOCATION OF CEILING MOUNTED VESTIBULE HEATER - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
10	FOUR (4) SPEAKERS - REFER TO SHEET A210 FOR ADDITIONAL INFORMATION.
11	CENTER LIGHT FIXTURES BETWEEN STRUCTURAL MEMBERS.
12	CENTER TRACK LIGHTING ON ARTWORK.
13	LIGHTS BY EXHAUST HOOD MANUFACTURER.

SECURITY DEVICE SCHEDULE

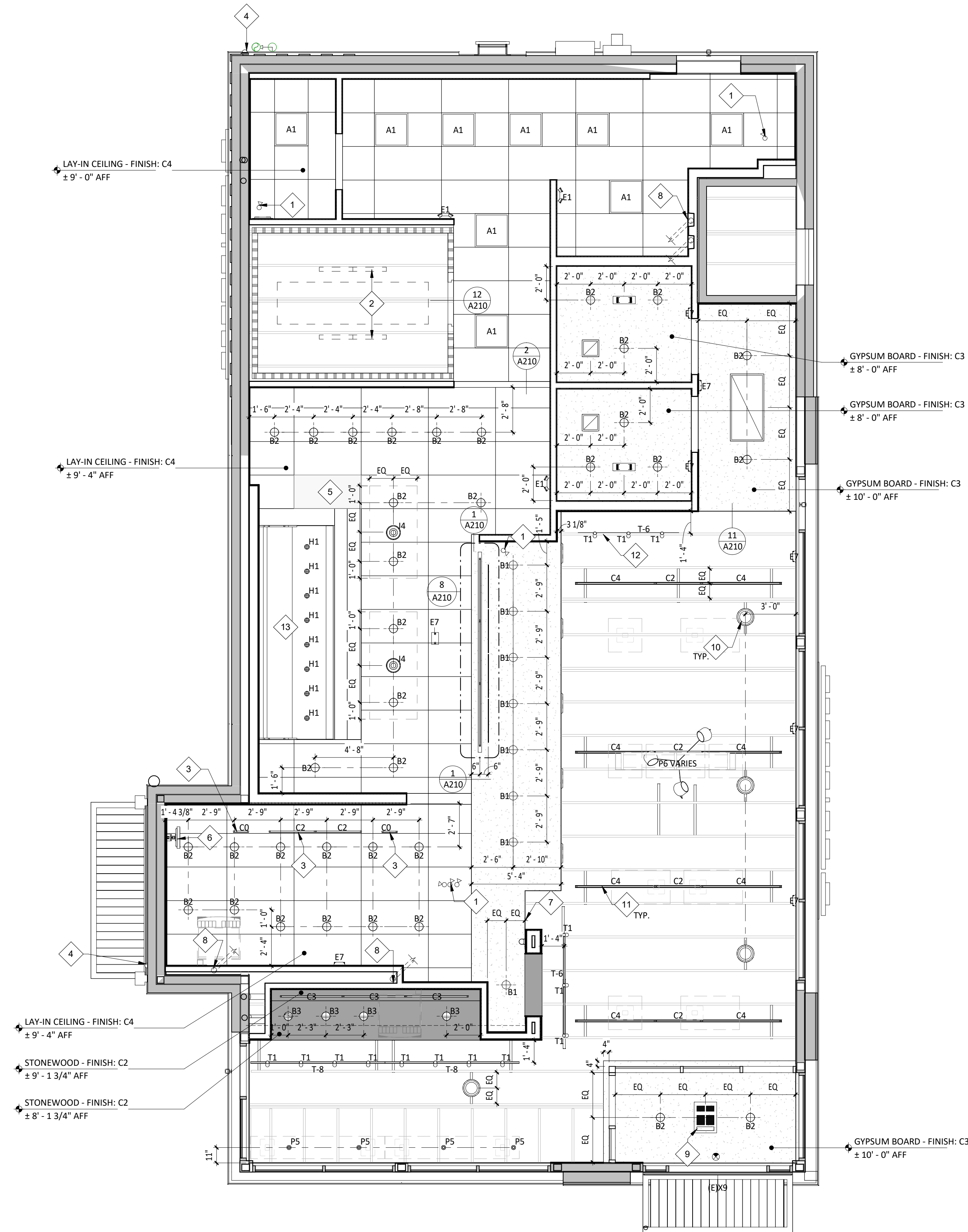
DESCRIPTION	QTY	FURNISHED BY	INSTALLED BY	ELEC	UTILITIES			REMARKS
					GAS	SEWER	WATER	
SECURITY MONITOR	1	SSS	SSS	•				
SECURITY ALARM - MOTION DETECTORS	1	T.B.D.	T.B.D.	•				GC RESPONSIBLE FOR COORDINATING SEQUENCING OF PREWIRING WITH COMPLETION OF INTERIOR FINISHES (GYP. BD. FINISHES)
72 HR SECURITY 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



1 REFLECTED CEILING PLAN

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

CONSULTANT:



CLIENT:



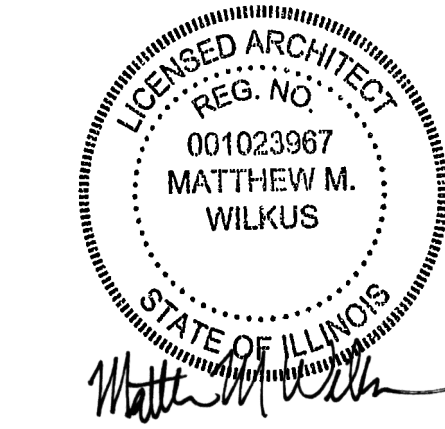
CHIPOTLE MEXICAN GRILL, INC.
PO BOX 16266
COLUMBUS, OH 43216-2666
TELEPHONE: (614) 318-2482
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PROJECT INFORMATION:

STORE NO.: 4915
"LAKE ZURICH"
442 S. RAND ROAD
LAKE ZURICH, IL 60047

SEAL:



July 15, 2024

MATTHEW M. WILKUS
LICENSE #001.023967
(EXPIRES 11/30/2024)

PROJECT NO. 2023-0056
DRAWN BY JSB
CHECKED BY DVA

ISSUE RECORD:
01/11/2024 PERMIT SET
06/12/2024 BID SET
07/01/2024 CONSTRUCTION SET

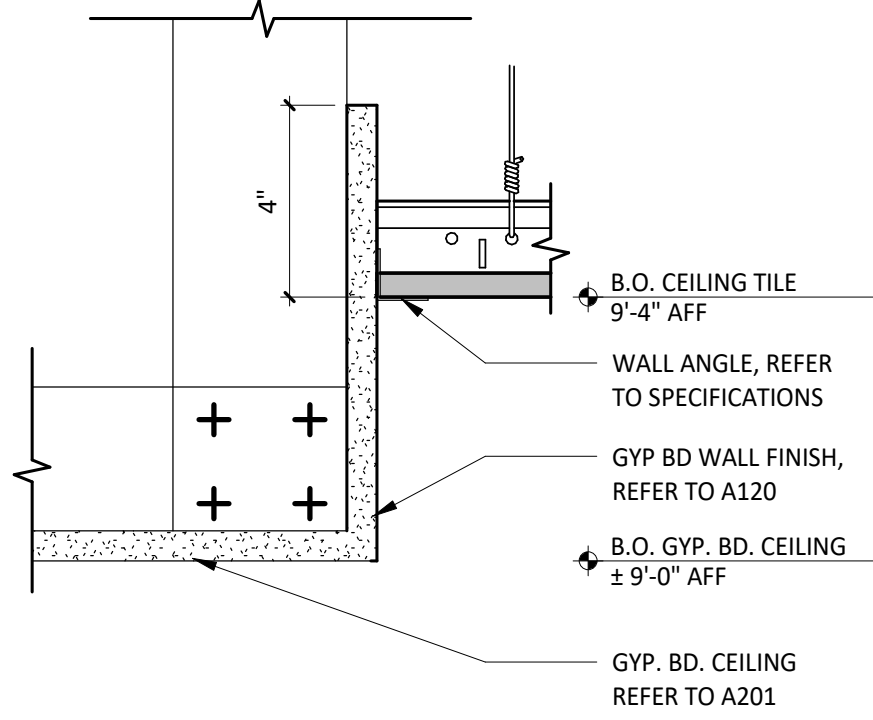
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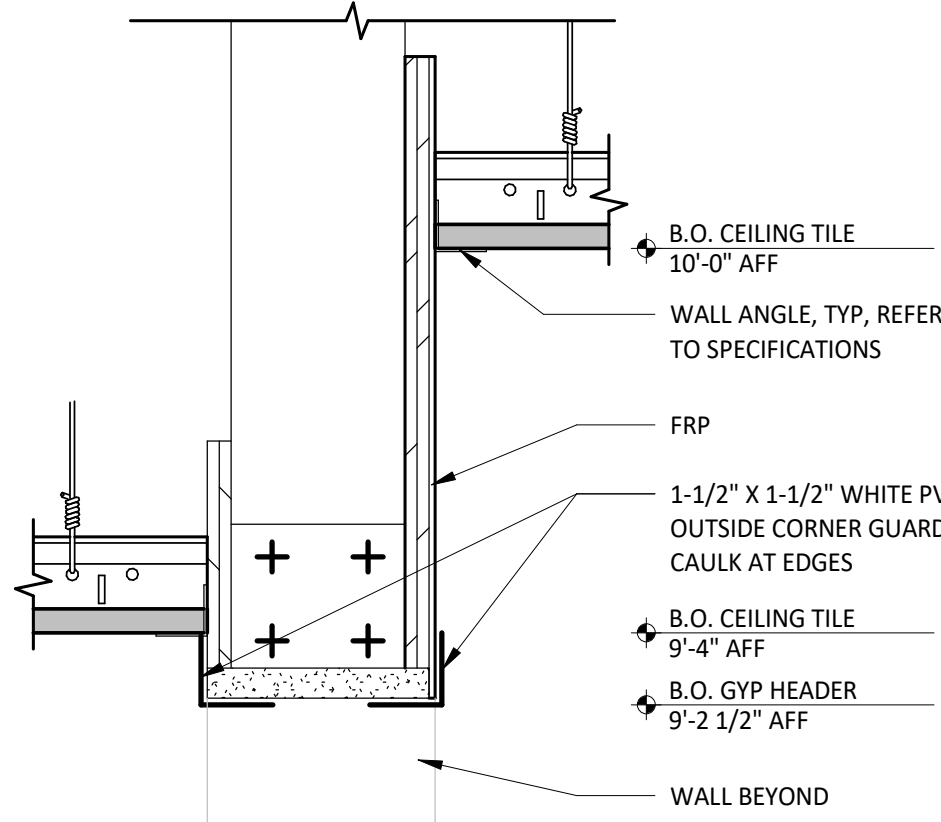
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CEILING PLAN

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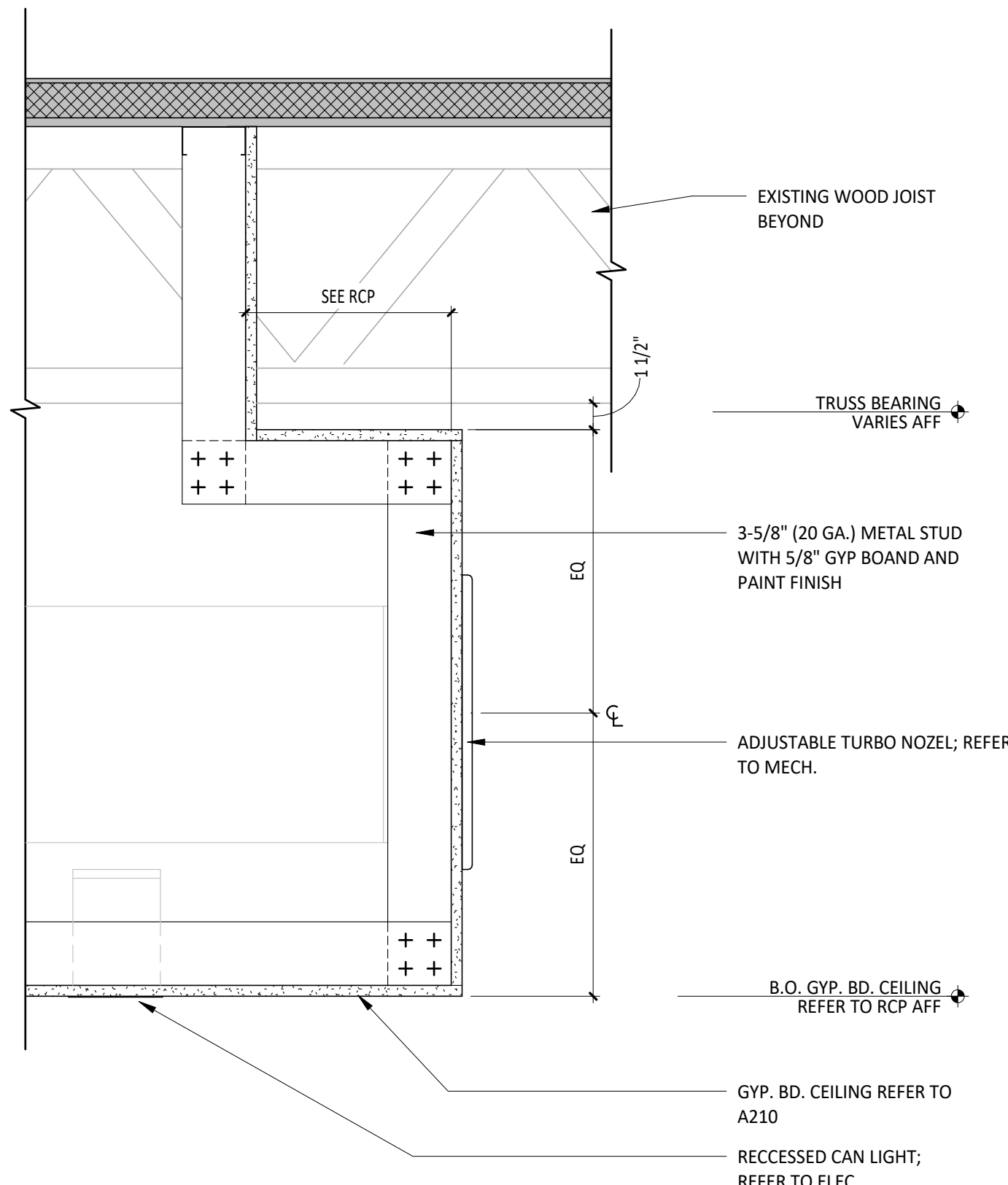
A201



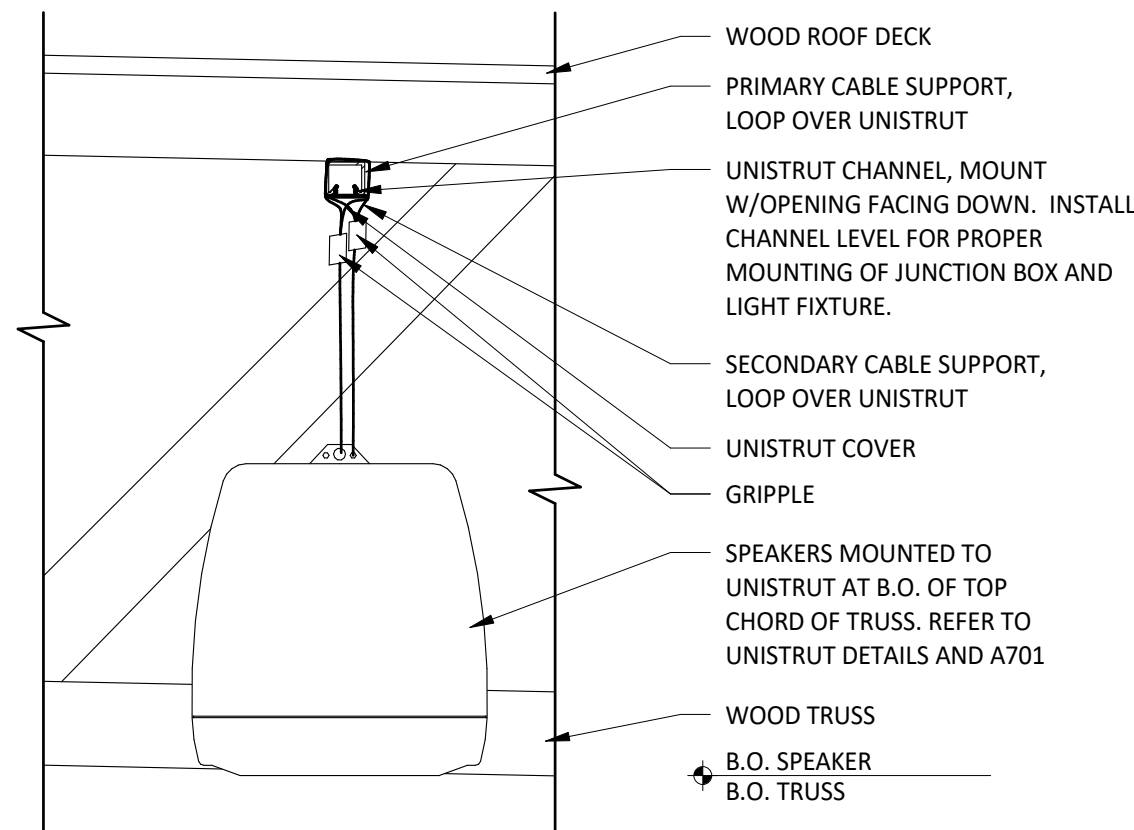
1 KITCHEN CEILING TRANSITION
SCALE: 3" = 1'-0"



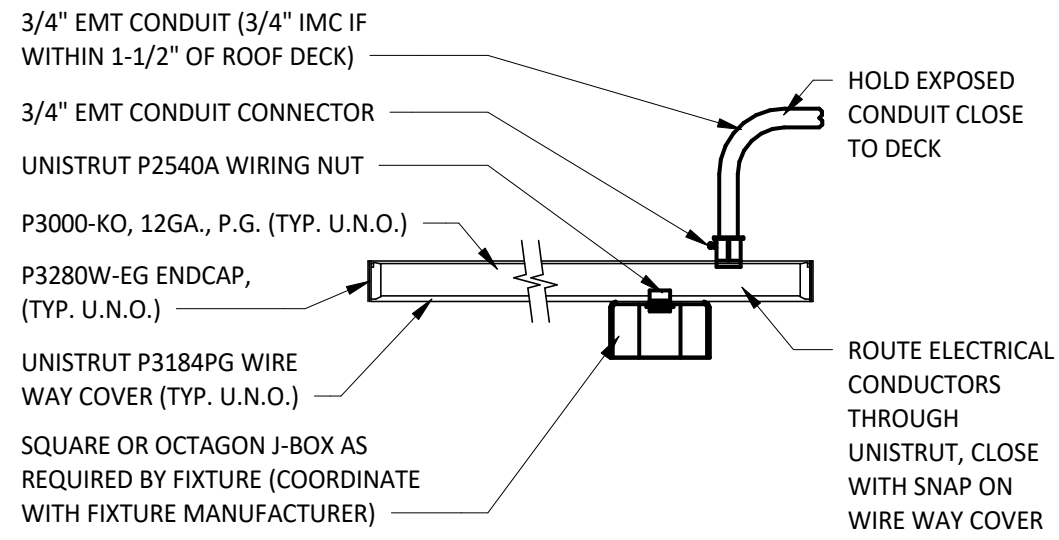
2 KITCHEN CEILING TRANSITION
SCALE: 3" = 1'-0"



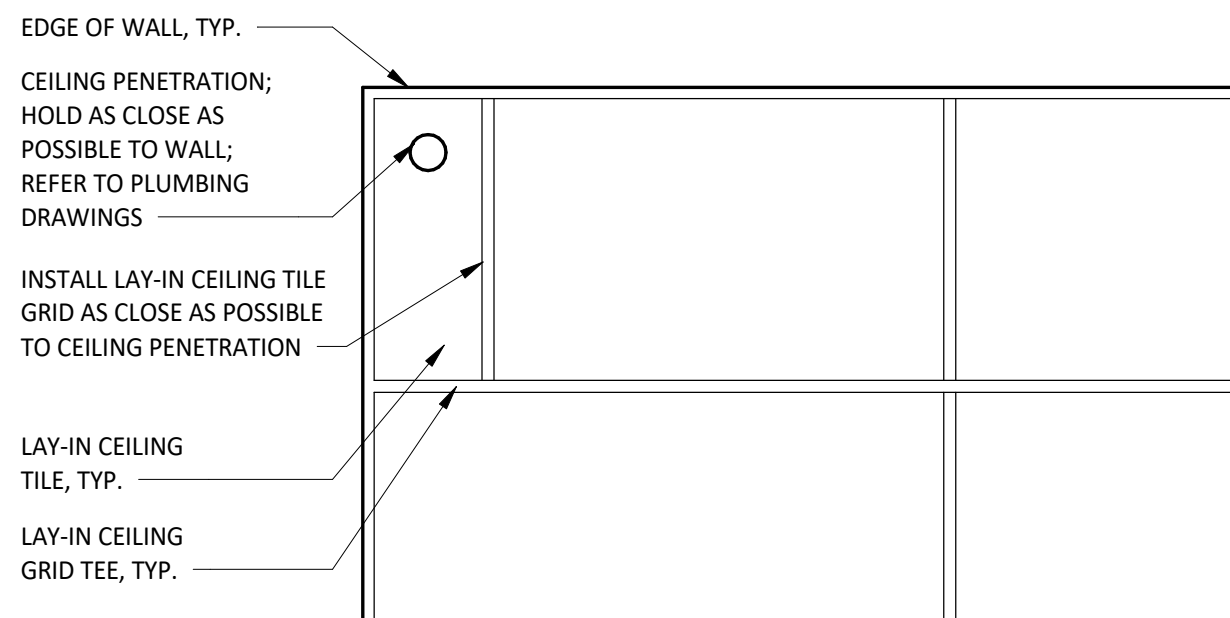
5 SECTION @ JOIST SHELF
SCALE: 1 1/2" = 1'-0"



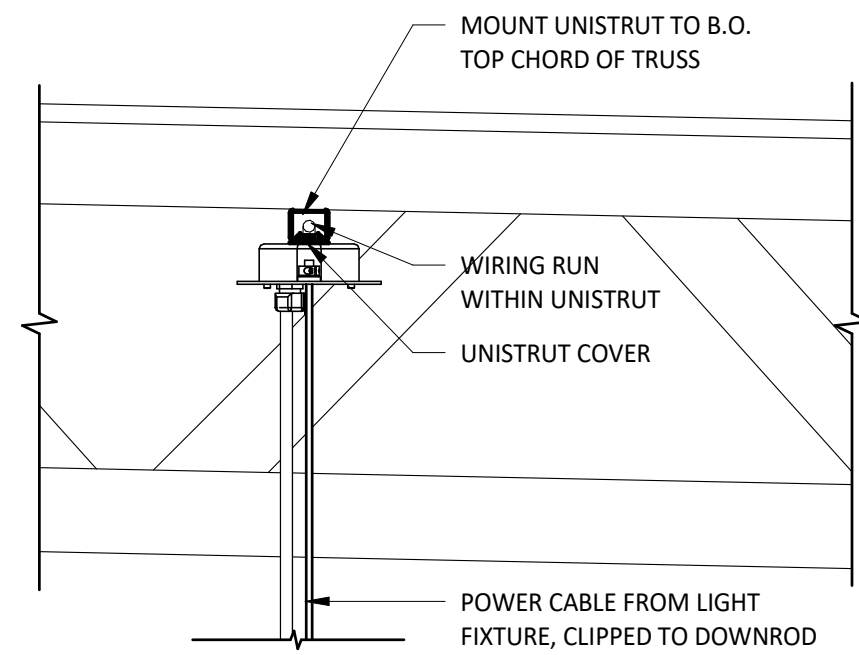
6 SUSPENDED SPEAKER INSTALLATION
SCALE: 1 1/2" = 1'-0"



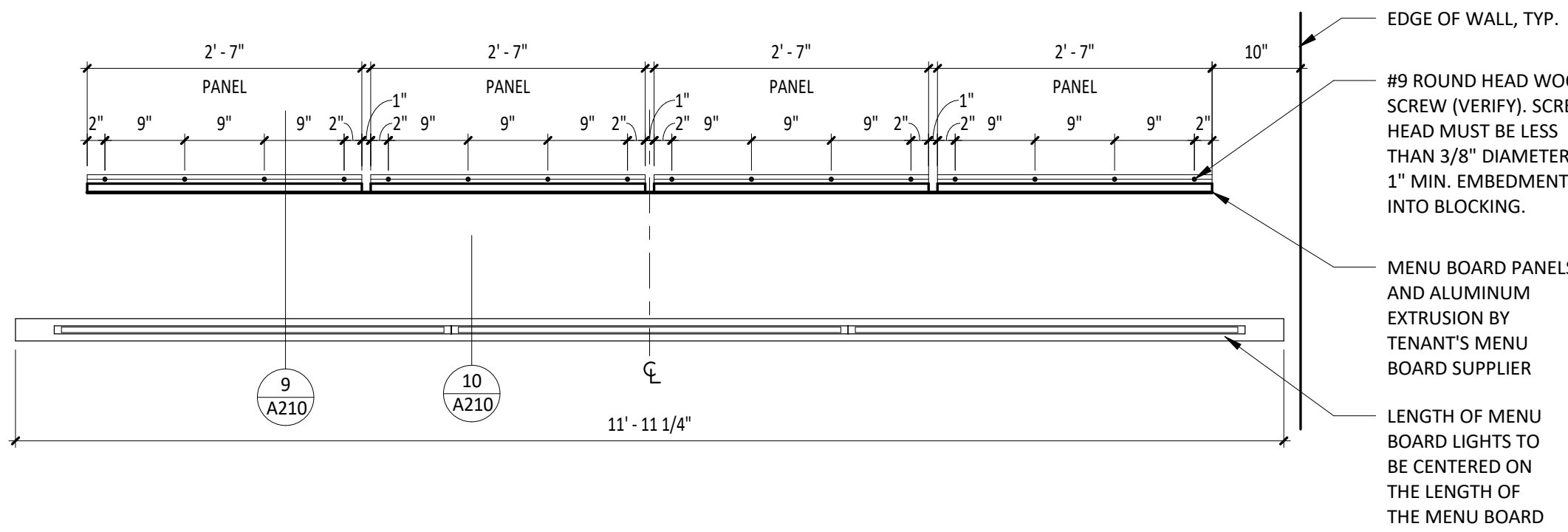
3 UNISTRUT MOUNTING DETAIL
SCALE: 1 1/2" = 1'-0"



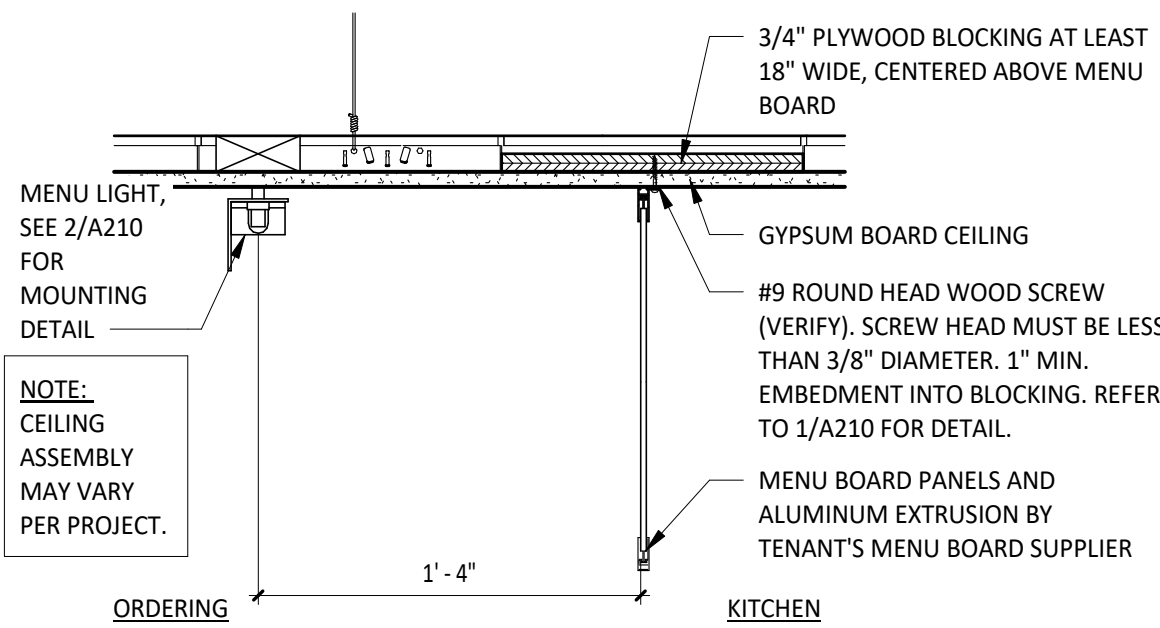
4 LAY-IN CEILING PENETRATION - PLAN DETAIL
SCALE: 3/4" = 1'-0"



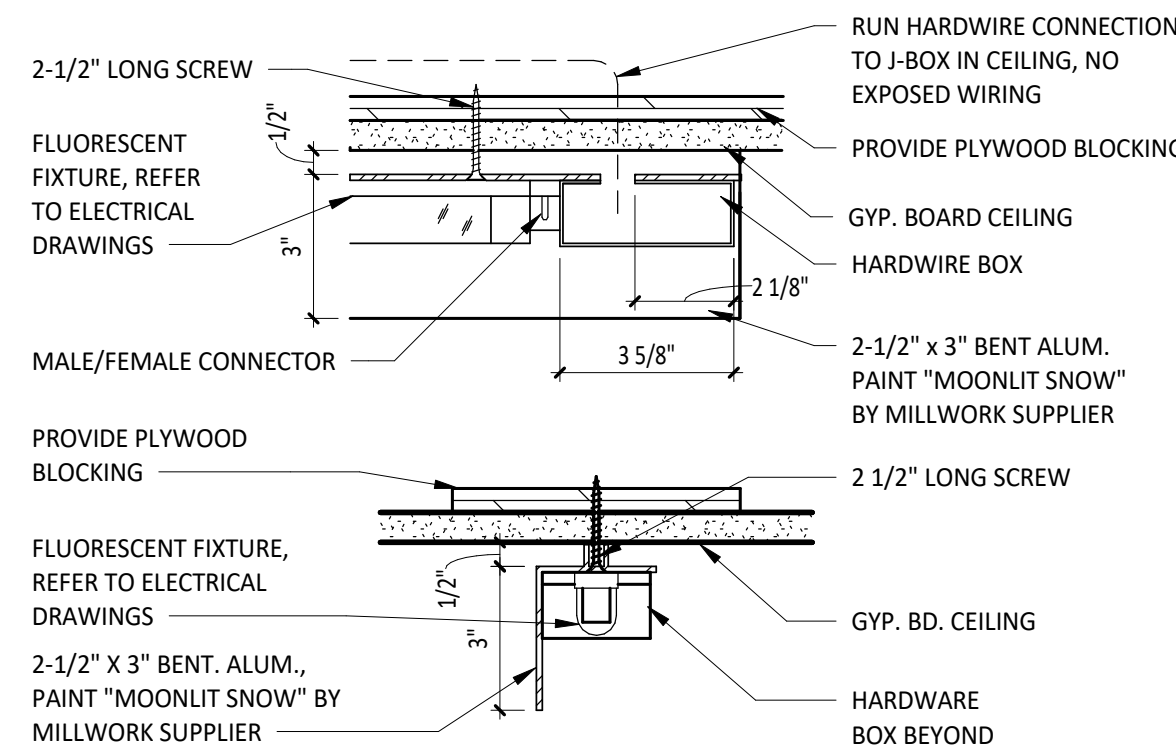
7 TYP. UNISTRUT MOUNTING DETAIL
SCALE: 1 1/2" = 1'-0"



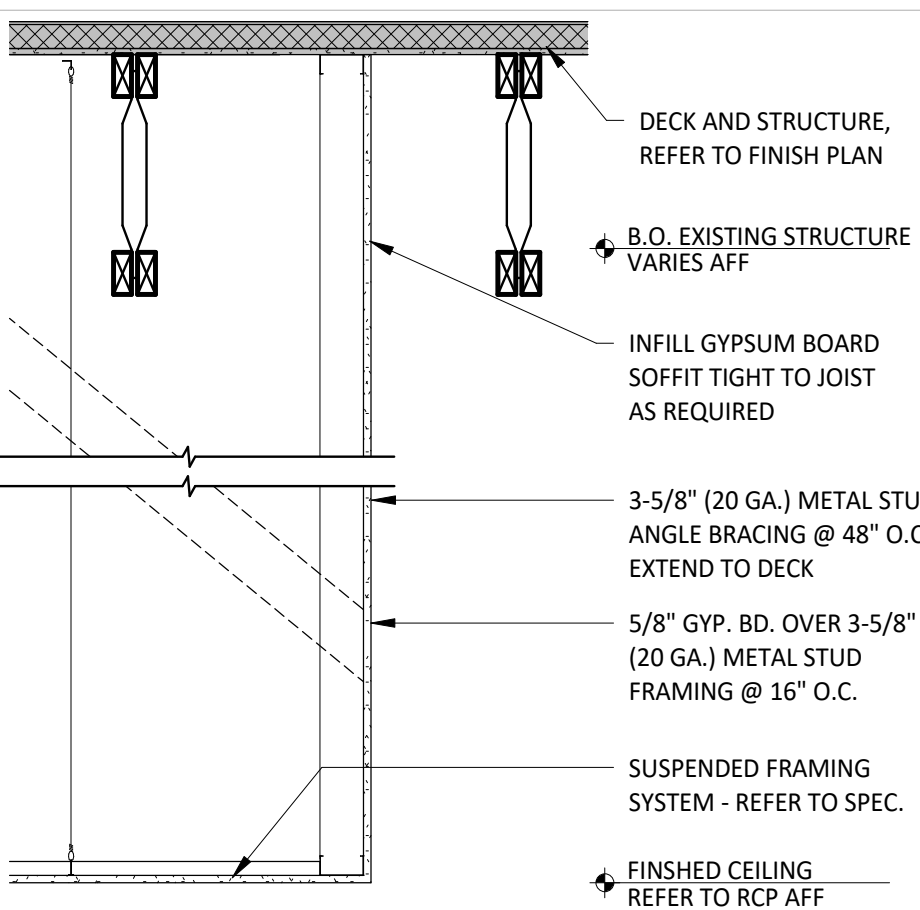
8 MENU - SCREW PATTERN PLAN
SCALE: 3/4" = 1'-0"



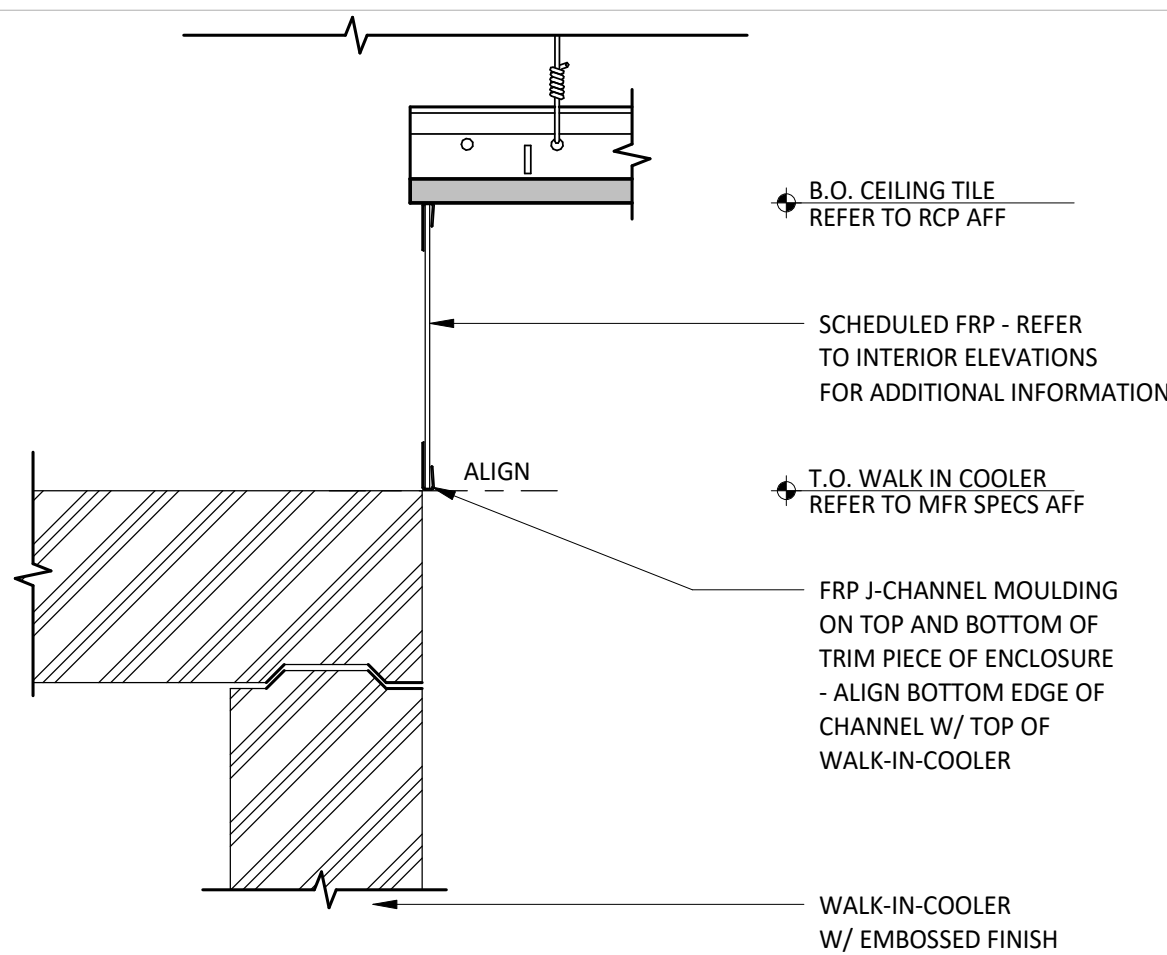
9 MENU BOARD DETAIL
SCALE: 1 1/2" = 1'-0"



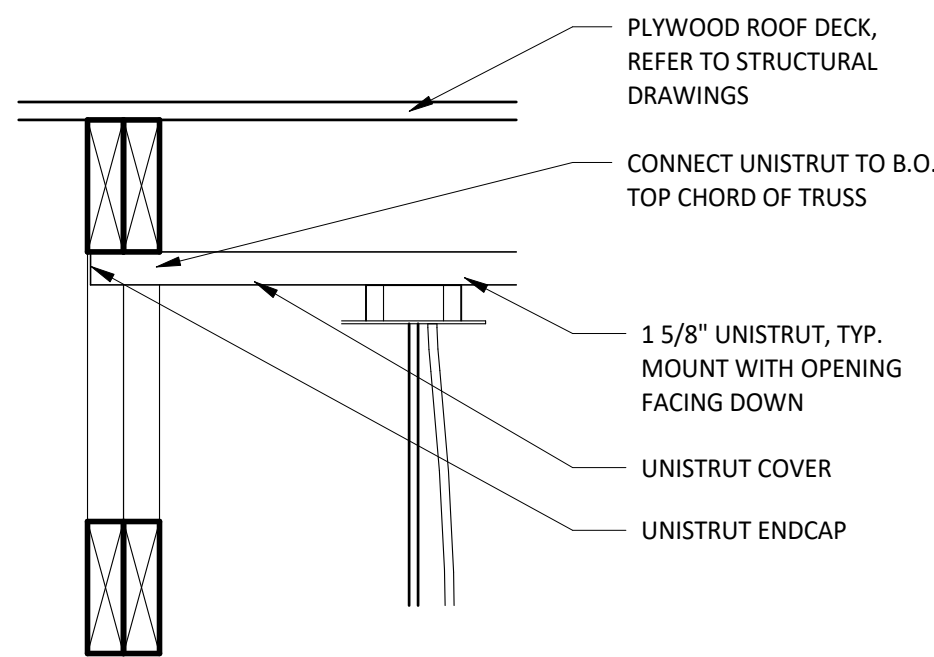
10 MENU BOARD LIGHT DETAIL
SCALE: 3" = 1'-0"



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



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



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

CONSULTANT:



CLIENT:



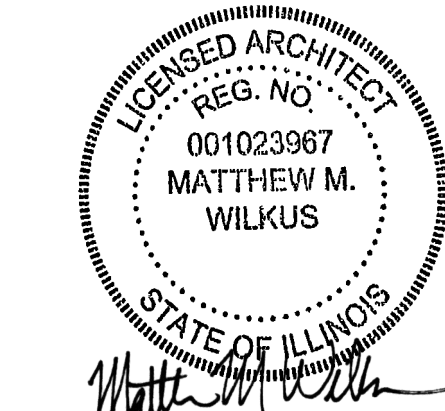
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PROJECT INFORMATION:

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"LAKE ZURICH"
442 S. RAND ROAD
LAKE ZURICH, IL 60047

SEAL:



July 15, 2024

MATTHEW M. WILKUS
LICENSE #001.023967
(EXPIRES 11/30/2024)

PROJECT NO. 2023-0056

DRAWN BY JSB

CHECKED BY DVA

ISSUE RECORD:

01/11/2024	PERMIT SET
06/12/2024	BID SET
07/01/2024	CONSTRUCTION SET

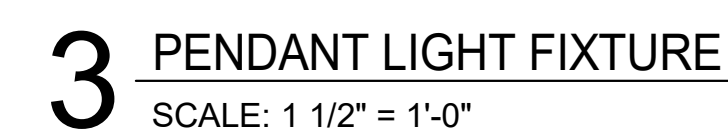
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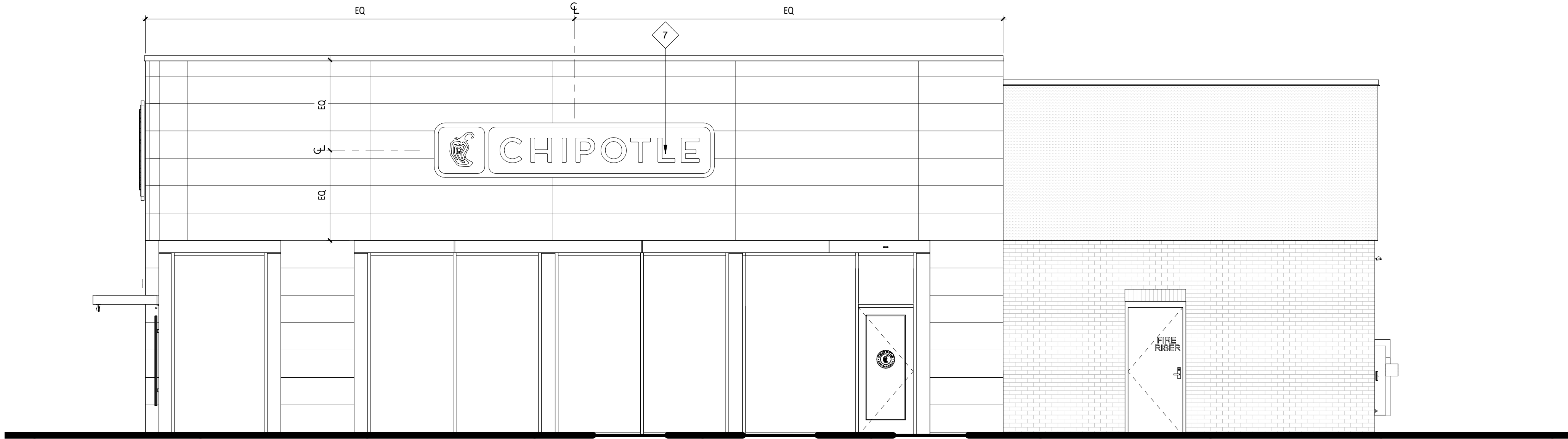
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CEILING DETAILS

SHEET NUMBER:

A210

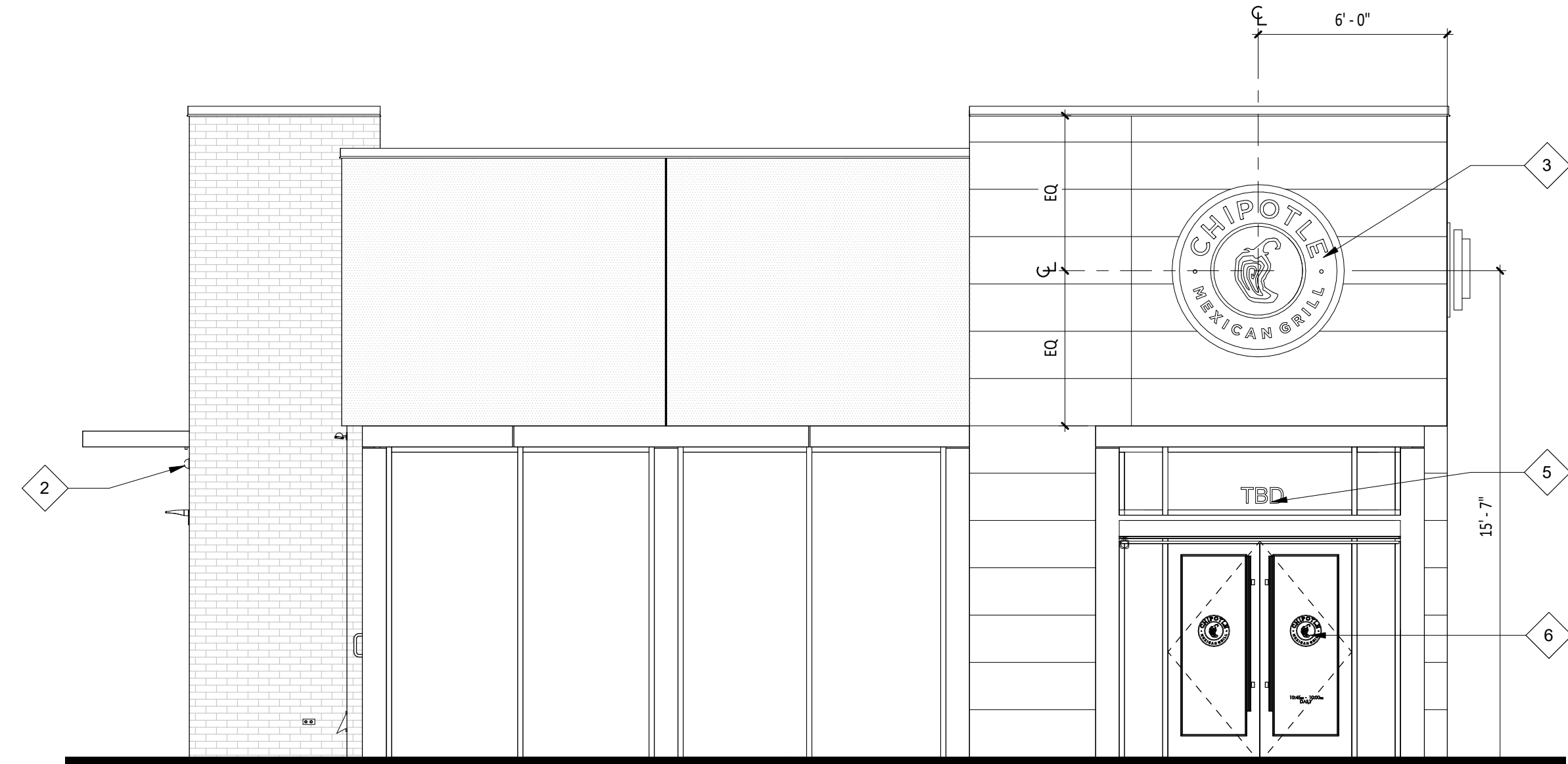




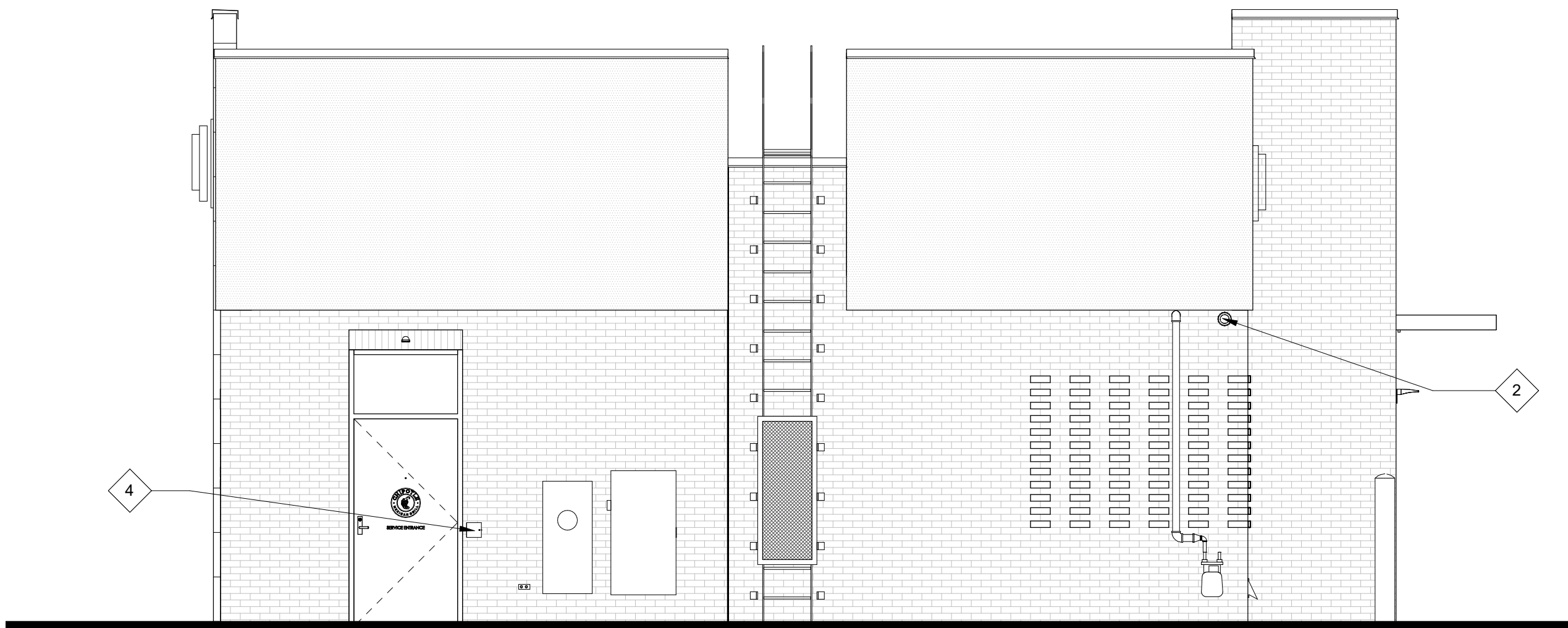
4 EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0" A301



3 EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0" A301



2 EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0" A301



1 EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0" A301

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

LOCATION OF TENANT'S CUSTOM MEDALLION SIGNAGE - GENERAL CONTRACTOR TO COORDINATE BLOCKING REQUIREMENTS WITH SIGNAGE VENDOR.

4

LOCATION OF REMOTE CO2 FILLER - INSTALL BETWEEN 36" AND 48" ABOVE FINISHED GRADE - VERIFY LOCATION WITH CHIPOTLE CONSTRUCTION MANAGER.

5

6" VINYL ADDRESS LETTERS - COORDINATE ADOPTED REQUIREMENTS ON SIZE AND LOCATION WITH LOCAL JURISDICTION.

6

EXISTING CHARCOAL ALUMINUM STOREFRONT DOORS - WOOD PULL HANDLES PROVIDED BY MILLWORK SUPPLIER AND INSTALLED BY GENERAL CONTRACTOR - PREPARE SURFACE FOR TENANT'S GRAPHIC APPLICATIONS.

7

LOCATION OF TENANTS BW-3 SIGNAGE - GENERAL CONTRACTOR TO COORDINATE BLOCKING REQUIREMENTS WITH SIGNAGE VENDOR.

CONSULTANT:



WILKUS
ARCHITECTS

CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
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COLUMBUS, OH 43216-2666
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July 15, 2024
MATTHEW M. WILKUS
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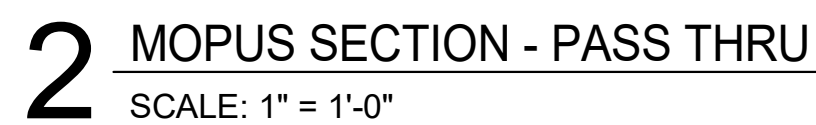
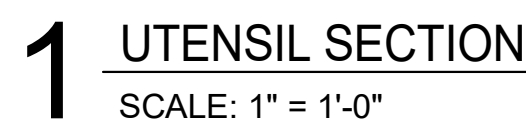
PROJECT NO. 2023-0056
DRAWN BY JSB
CHECKED BY DVA

ISSUE RECORD:
01/11/2024 PERMIT SET
06/12/2024 BID SET
07/01/2024 CONSTRUCTION SET

REVISIONS:

TITLE:
EXTERIOR ELEVATIONS

SHEET NUMBER:
A301



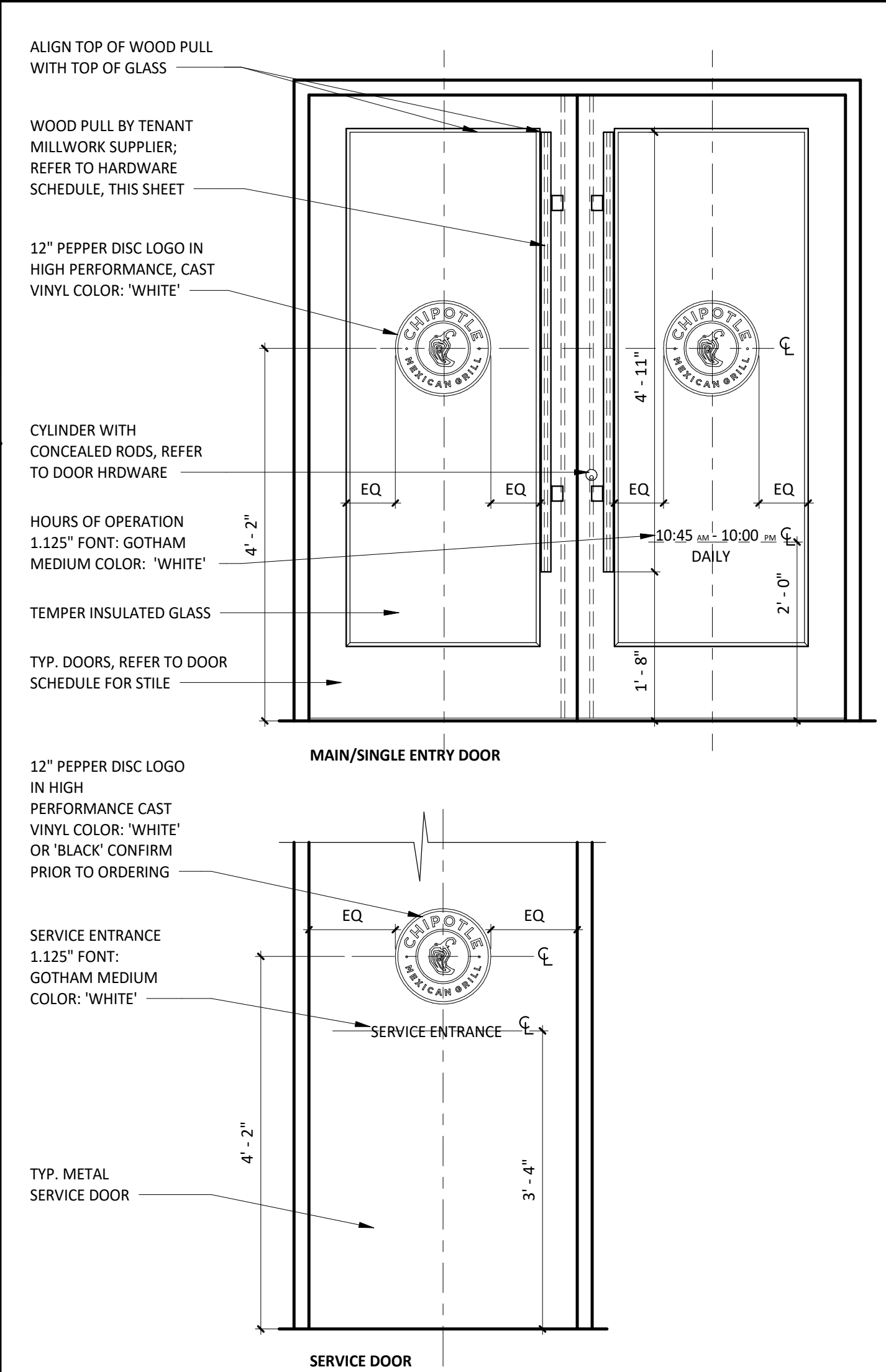
DOOR SCHEDULE

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)	5' - 10"	7' - 0"	0' - 1 3/4"	A	SEE A301	STOREFRONT	ALUM	WIDE (5")	1	EXISTING/NEW	-	1,2,4,5
2	UTENSIL	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	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
4	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
6	UNISEX RESTROOM 2	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	-	
7	UNISEX RESTROOM 1	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	-	
8	MAIN ENTRY	NEW	NEW	SINGLE STOREFRONT - VESTIBULE (WIDE STILE, NON-OFFSET)	3' - 0"	7' - 0"	0' - 1 3/4"	A	SEE A301	STOREFRONT	ALUM	WIDE (5")	2D	NEW	-	5
9	MAIN ENTRY	NEW	NEW	SINGLE STOREFRONT - VESTIBULE (WIDE STILE, NON-OFFSET)	3' - 0"	7' - 0"	0' - 1 3/4"	A	SEE A301	STOREFRONT	ALUM	WIDE (5")	2D	NEW	-	5
10	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 KEYED 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 M518505-310-628
- (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 S239A-72 (SIZE 72")
- (2) SMOKE SEAL REESE, MODEL 797B-21
- (2) DOOR SWEEP PEMKO, MODEL SF5C-200-36 (36" DOOR), OWNER FURNISHED

SET 2 - 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-EO-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 DS75C-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 240
- (1) KICKPLATE HIAWATHA, MODEL KP834-US32D

SET 7 - REAR EXIT - SINGLE

- (1) HINGE HAGER, MODEL 780-224HD-83"-CLR
- (1) PUSH HARDWARE FALCON, MODEL 25-R-EO-4"-US28 (SIZE 42")
- (1) PULL HARDWARE FALCON, MODEL 510L-DANE-LHR-US26D, ALUMINUM (EXTERIOR SIDE)
- (1) RIM CYLINDER GLS, MODEL RCIC-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 DS75C-4070
- (1) DOOR SWEEP PEMKO, MODEL SF5C-200-42 (42" DOOR) (BLACK) OWNER FURNISHED
- (1) DOOR SILENCERS IVES, MODEL SR64
- (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 - 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) KICKPLATE HIAWATHA, MODEL KP834-US32D (SIZE 8" X 34")
- (1) DOOR STOP IVES, MODEL FS185 (ALUMINUM)

SET 4 - MANAGER'S OFFICE

- (3) HINGE STANLEY, MODEL FB8179-4.5-US26 (06-8438)
- (1) LOCKSET SCHLAGE, MODEL L9453L-06A-626
- (1) TEMP CORE SCHLAGE, MODEL 80-035 INTERCHANGEABLE CORE (FINISH: BRUSHED CHROME)
- (1) KICKPLATE HIAWATHA, MODEL KP834-32D
- (1) DOOR STOP DON-JO, MODEL 1407-630, STAINLESS STEEL
- (3) DOOR SILENCERS IVES, MODEL SR64
- (1) SECURITY WINDOW AIR LOUVERS, MODEL VSL1212TEMPPAK SLIMLINE 12" X 12" X 1/4" LITE KIT (10" X 10" GLASS VISIBLE)

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

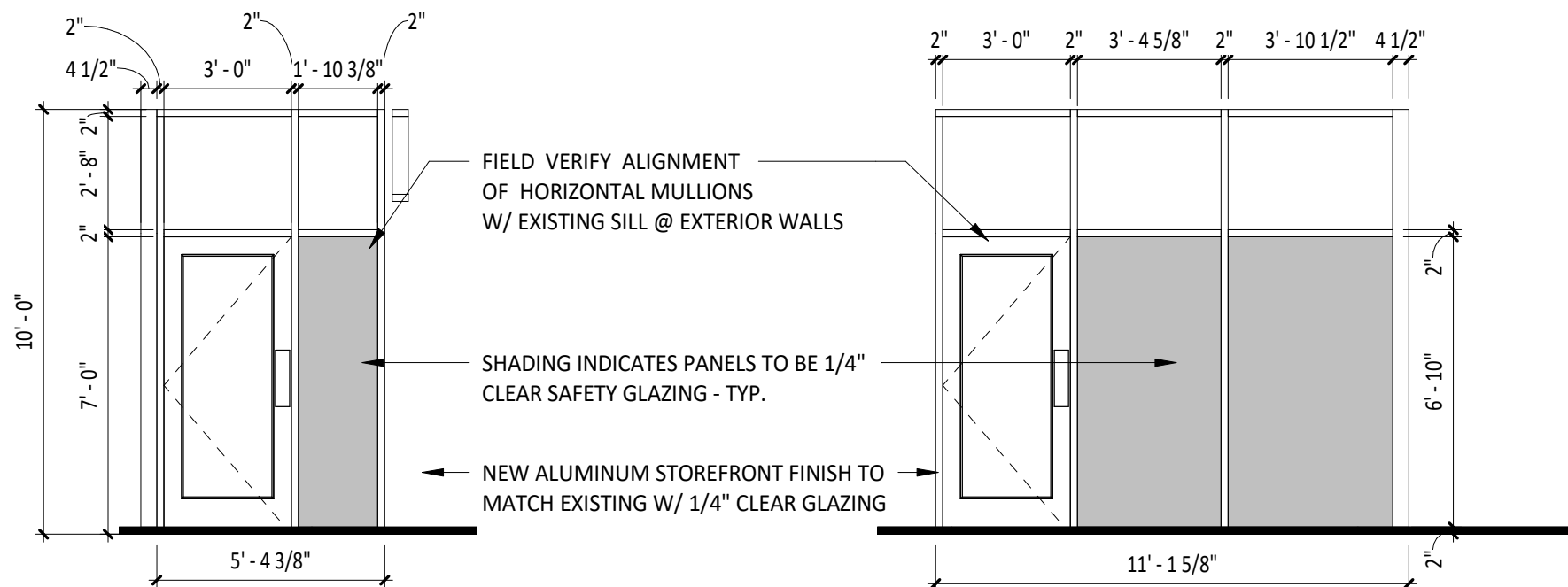
- (3) HINGE STANLEY, MODEL FB8179-4.5-US26 (06-8438)
- (1) CLOSER FALCON, MODEL: SC61xRW/PAXALU
- (1) LOCKSET SCHLAGE, MODEL AL40S-NEP-626
- (1) DOOR STOP DON-JO, 1407-630
- (3) DOOR SILENCERS IVES, MODEL SR64
- (2) KICKPLATE HIAWATHA, MODEL KP834-32D
- (1) COAT HOOK MILLS, MODEL FT6519, SUPPLIED BY 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 FB8179-4.5-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



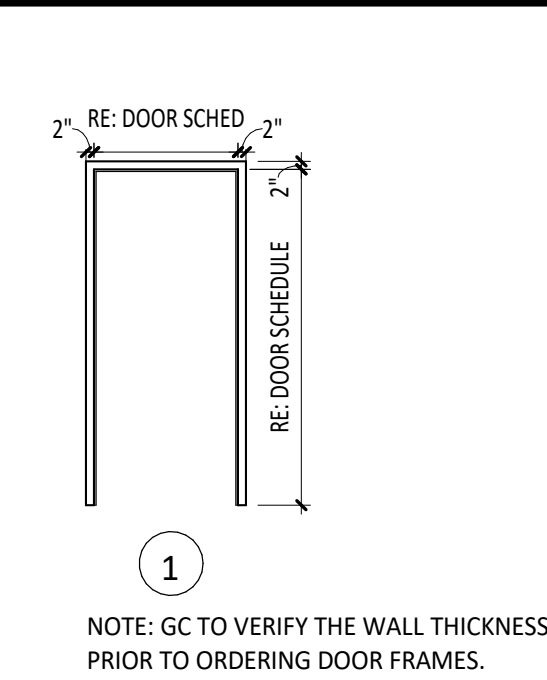
1 STOREFRONT ELEVATION 1
SCALE: 1/4" = 1'-0"

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

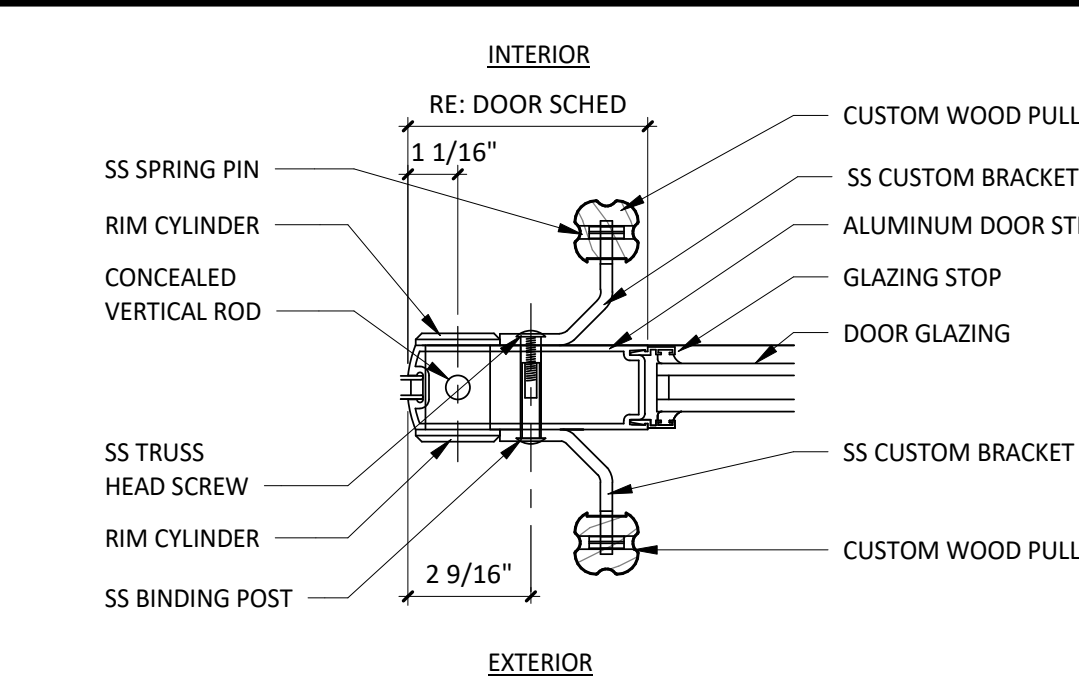
GENERAL DOOR HARDWARE

- 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 NEW HOLLOW METAL DOORS, FRAMES AND HARDWARE TO BE FURNISHED BY TENANT HARDWARE SUPPLIER AND INSTALLED BY TENANT G.C. CALL PETE KLIMEK WITH TWIN CITY HARDWARE AT 763-535-4660 TO ARRANGE DELIVERY. NEW VESTIBULE STOREFRONT DOORS AND DOOR HARDWARE ARE TO BE PROVIDED BY TENANT GC.
- 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.
- I. 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.

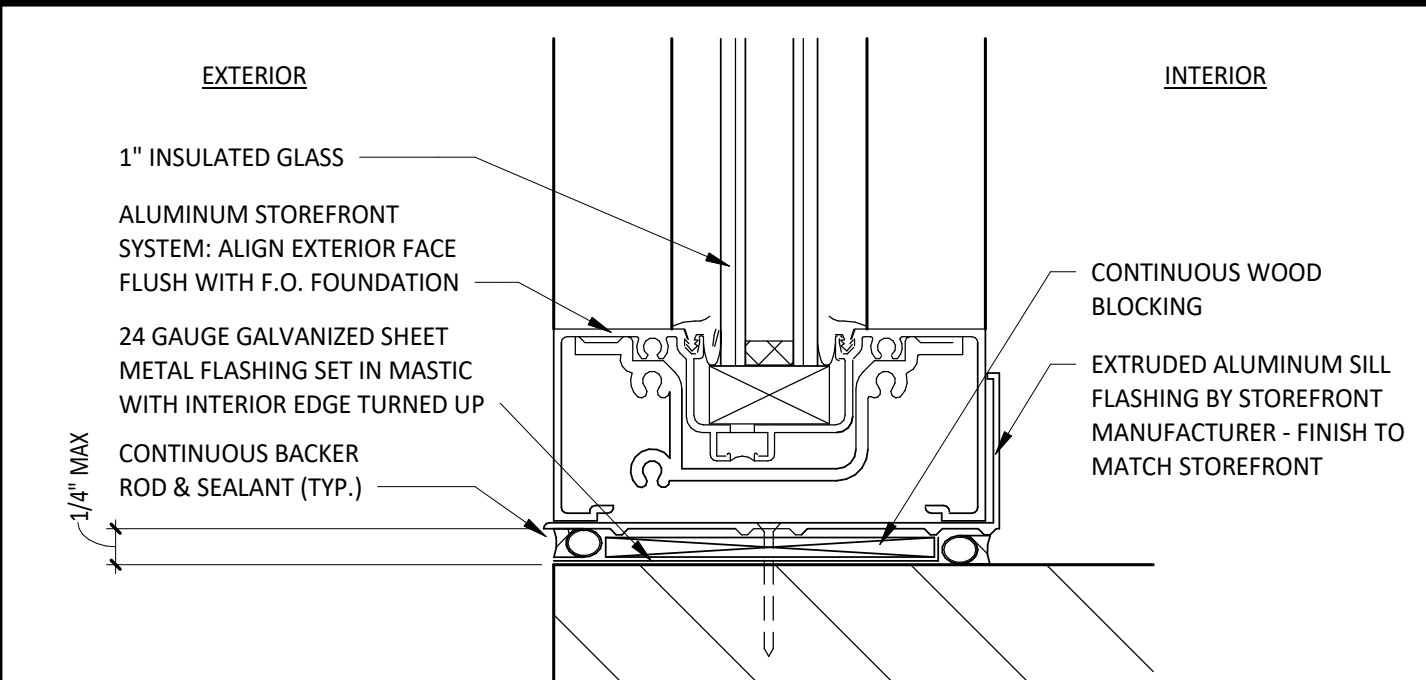
DOOR FRAME



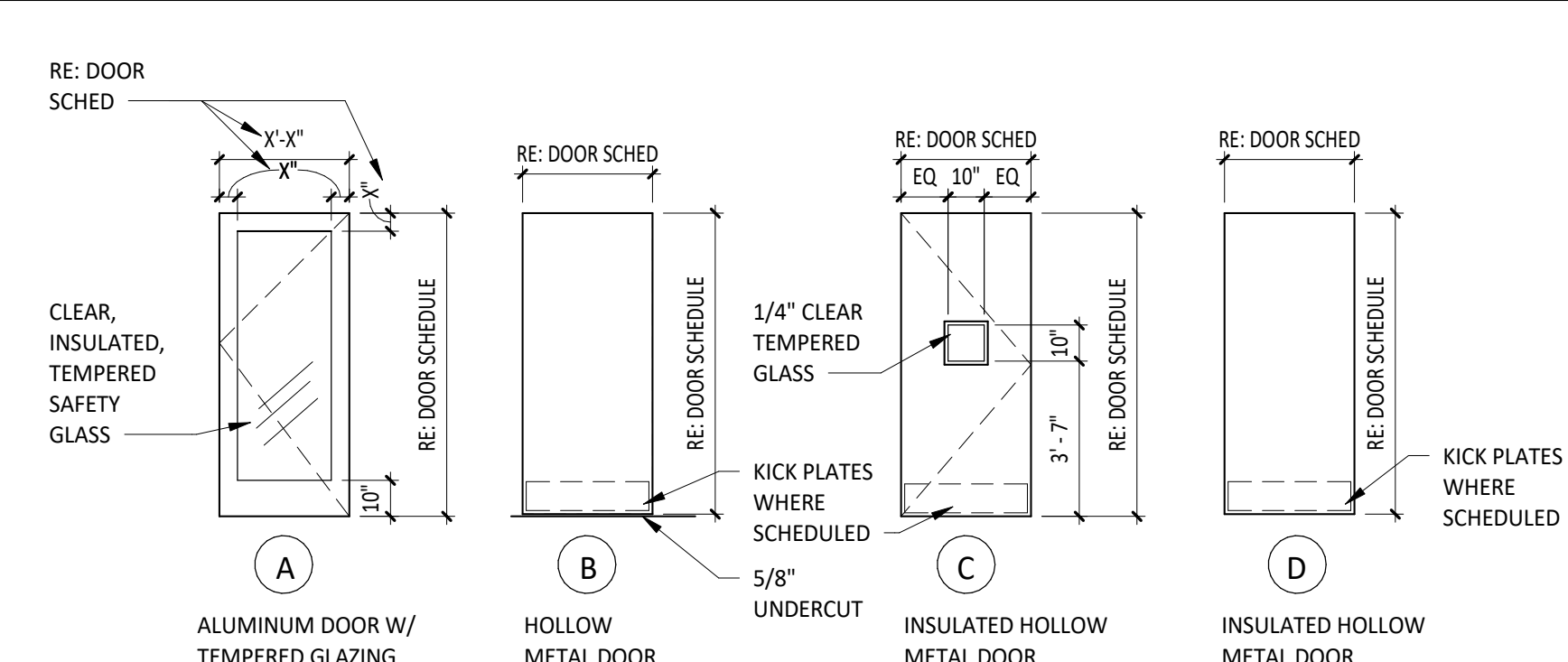
CUSTOM WOOD PULL



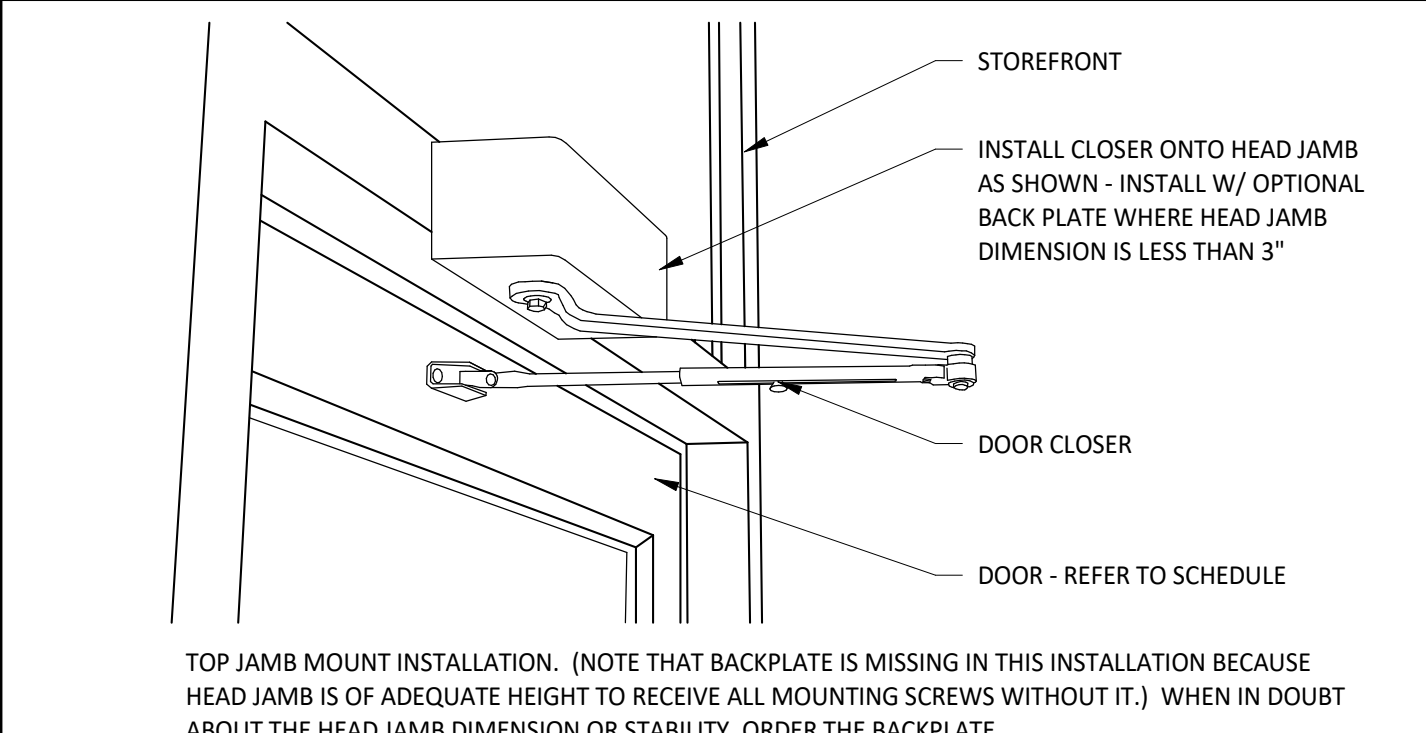
SILL FLASHING



DOOR TYPES



DOOR CLOSER



CONSULTANT:



CLIENT:

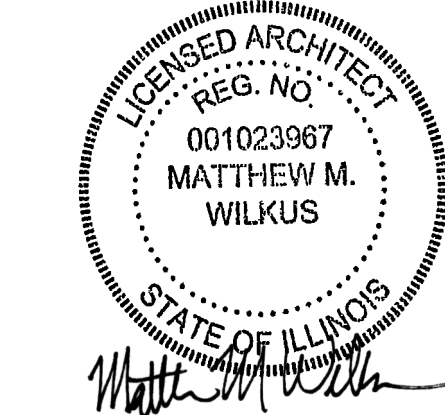


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PROJECT INFORMATION:

STORE NO.: 4915
"LAKE ZURICH"
442 S. RAND ROAD
LAKE ZURICH, IL 60047

SEAL:



July 15, 2024

MATTHEW M. WILKUS
LICENSE #001.023967
(EXPIRES 11/30/2024)

PROJECT NO. 2023-0056

DRAWN BY JSB

CHECKED BY DVA

ISSUE RECORD:

01/11/2024 PERMIT SET

06/12/2024 BID SET

07/01/2024 CONSTRUCTION SET

REVISIONS:

TITLE:

DOOR &
HARDWARE
SCHEDULE

SHEET NUMBER:

A601

GENERAL NOTES - INT. ELEV.

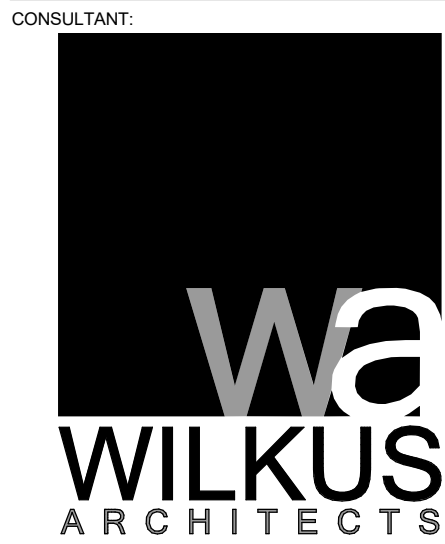
- A. REFER TO SHEET A131 FOR EQUIPMENT LIST AND FURNITURE SCHEDULE.
- B. PROVIDE FULL HEIGHT BLOCKING IN WALL FOR ALL SHELVING, TYP.
- C. REFER TO A120 FOR FINISH SCHEDULE.
- D. REFER TO A201 AND ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.

ELEVATION LEGEND

Denotes wood blocking in wall behind wall mounted object U.N.O.

KEYNOTE LEGEND

- 1 DUCTWORK SHOWN FOR REFERENCE ONLY - REFER TO MECHANICAL DRAWINGS FOR ALL FINAL DUCTWORK LOCATIONS.
- 2 SODA CHASE BEYOND - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- 3 PICK-UP SIGN BY TENANT SIGNAGE VENDOR - INSTALLED BY GENERAL CONTRACTOR - COORDINATE REQUIRED BLOCKING REQUIREMENTS.
- 4 SPEAKER LOCATION - REFER TO A201 FOR ADDITIONAL INFORMATION.
- 5 BARNLIGHT FIXTURES TO BE CENTERED OVER HIGHTOP TABLE - REFER TO A211 FOR ADDITIONAL INFORMATION.
- 6 6 - PANEL ARTWORK LOCATION.



CLIENT:



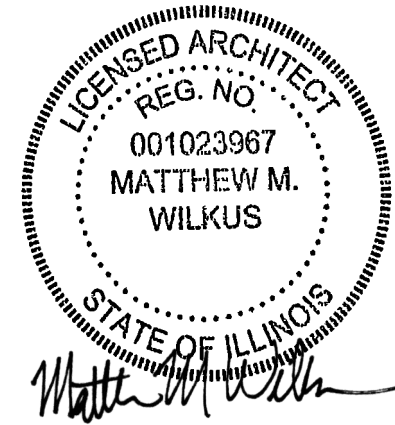
CHIPOTLE MEXICAN GRILL, INC.
PO BOX 162666
COLUMBUS, OH 43216-2666
TELEPHONE: (614) 315-2462
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: 4915
"LAKE ZURICH"
442 S. RAND ROAD
LAKE ZURICH, IL 60047

SEAL:



July 15, 2024

MATTHEW M. WILKUS
LICENSE #001.023967
(EXPIRES 11/30/2024)

PROJECT NO. 2023-0056
DRAWN BY JSB
CHECKED BY DVA

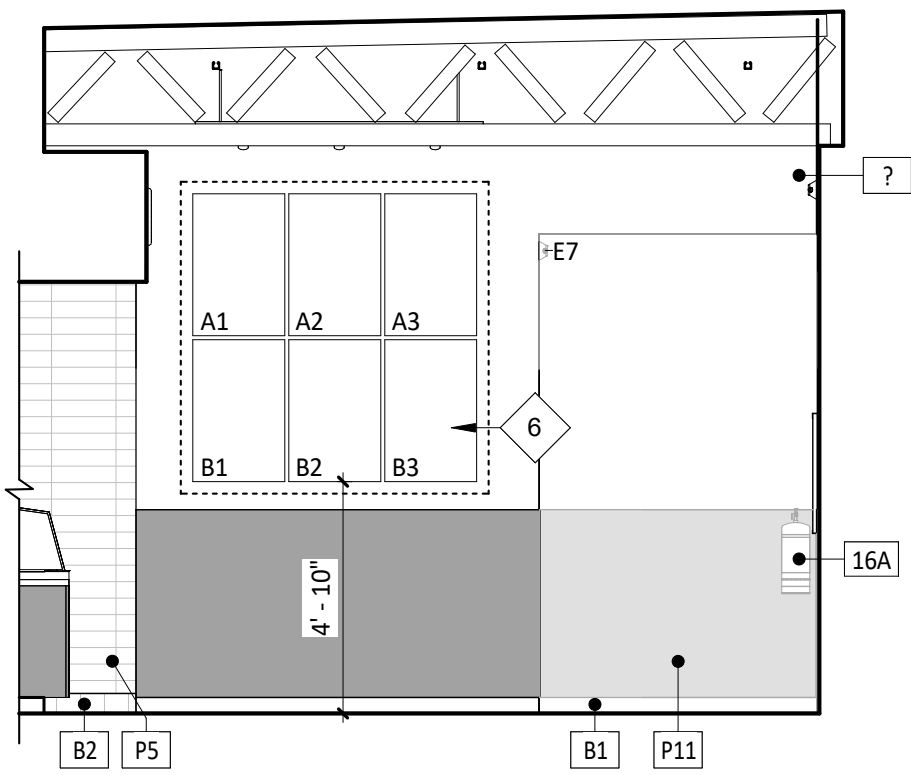
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01/11/2024 PERMIT SET
06/12/2024 BID SET
07/01/2024 CONSTRUCTION SET

REVISIONS:

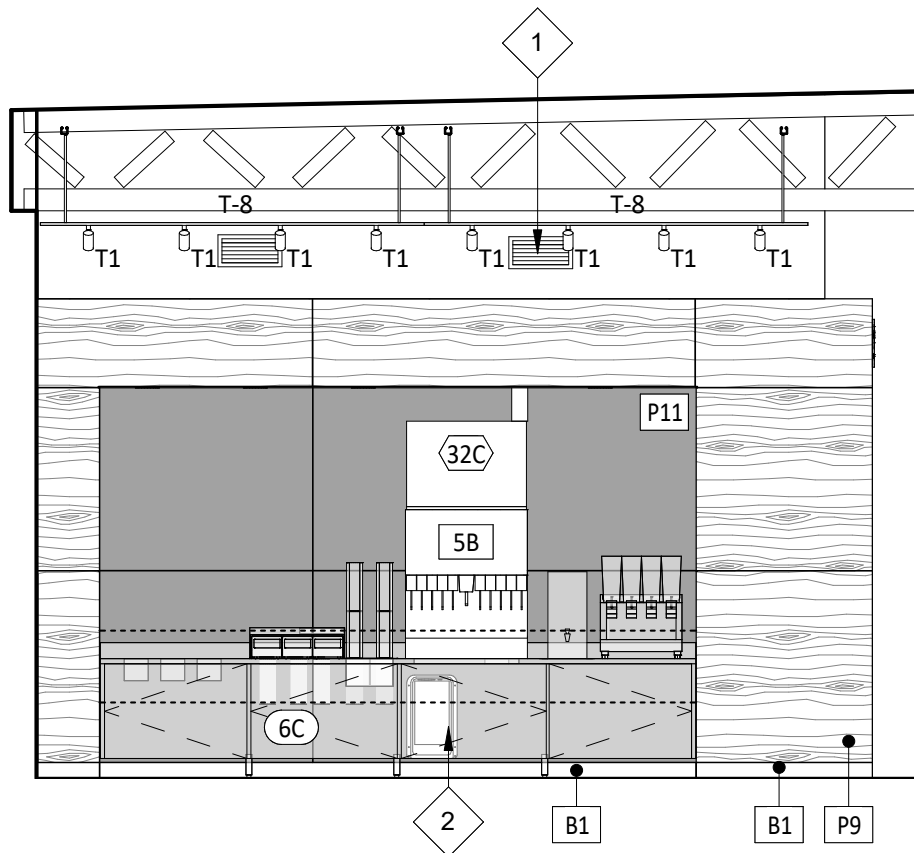
TITLE:
ELEVATIONS -
INTERIOR DINING

SHEET NUMBER:

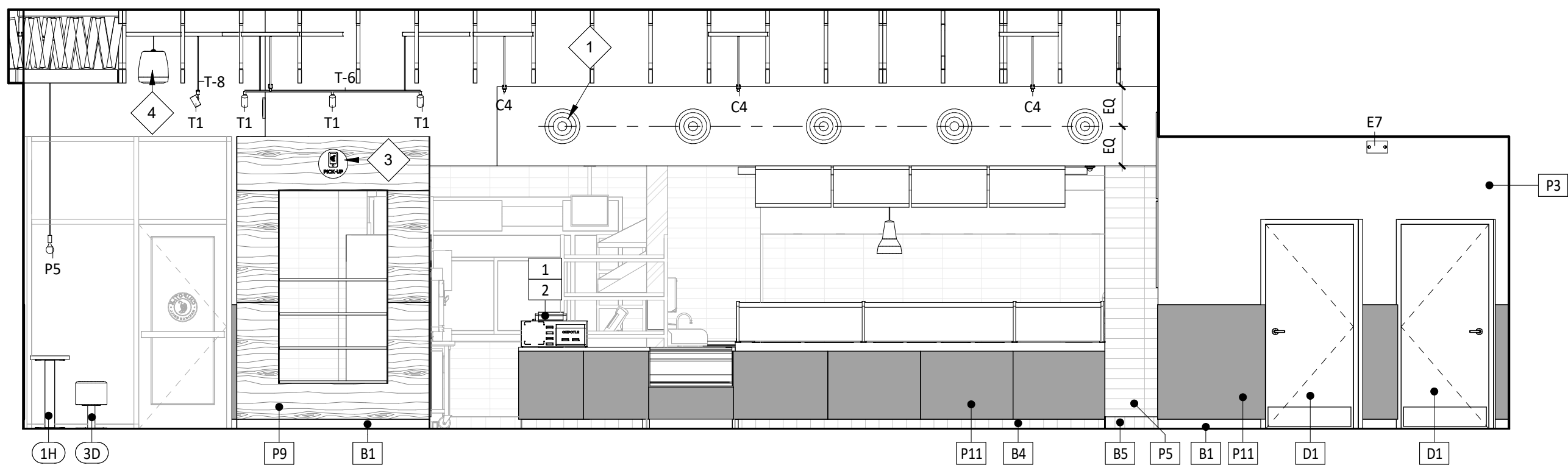
A701



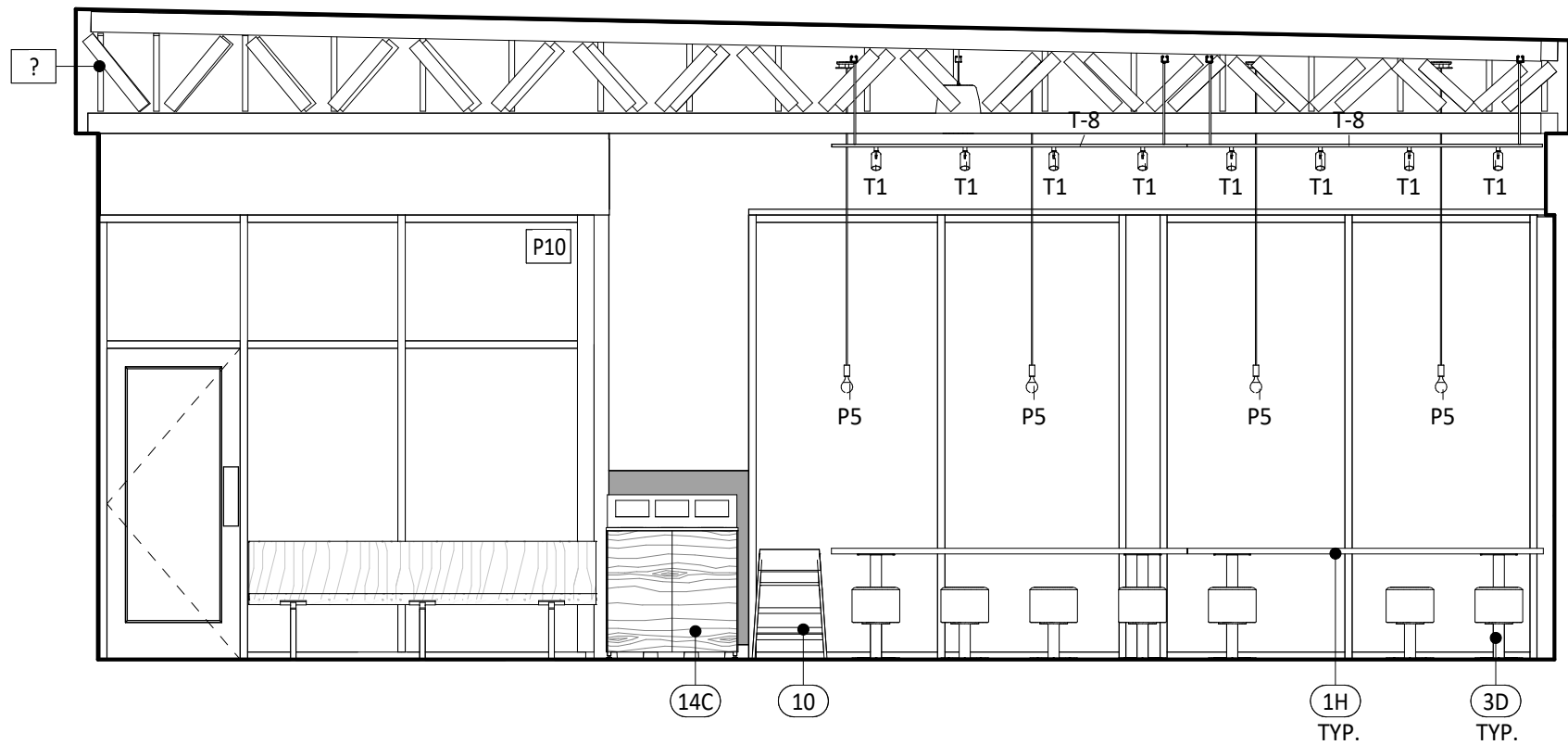
1 DINING ELEVATION
SCALE: 1/4" = 1'-0" A701



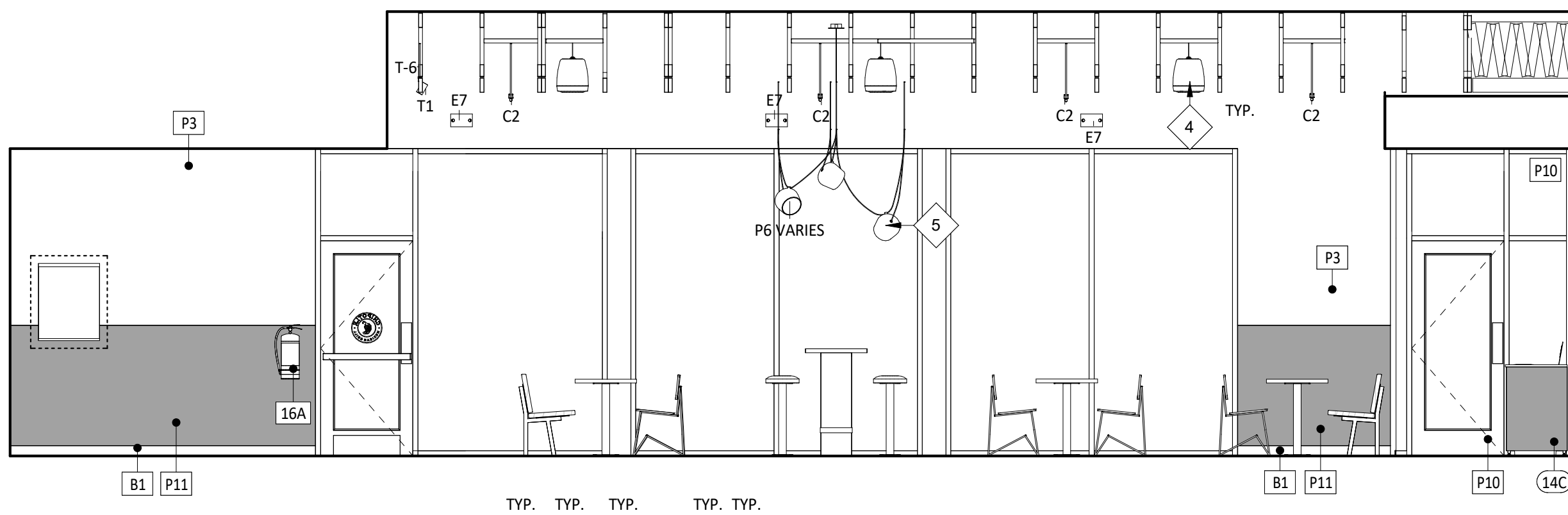
2 DINING ELEVATION
SCALE: 1/4" = 1'-0" A701



3 DINING ELEVATION
SCALE: 1/4" = 1'-0" A701

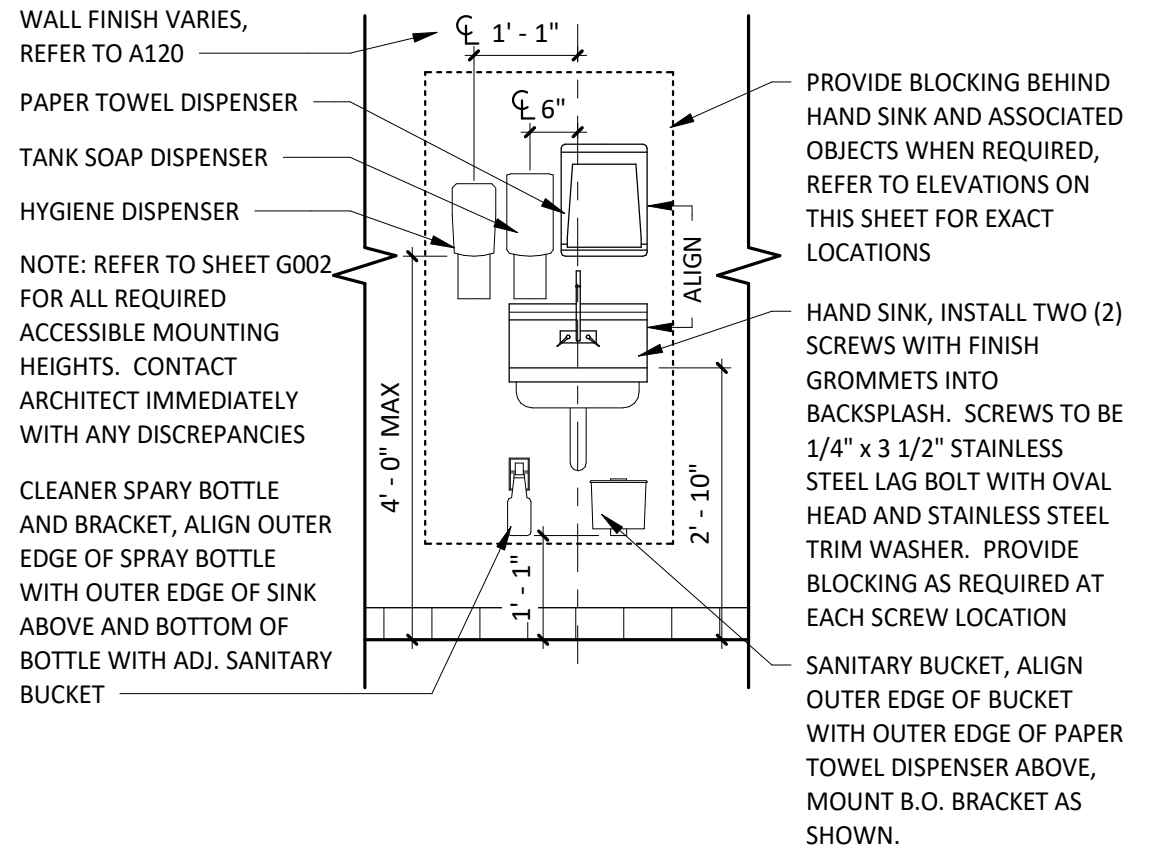


4 DINING ELEVATION
SCALE: 1/4" = 1'-0" A701

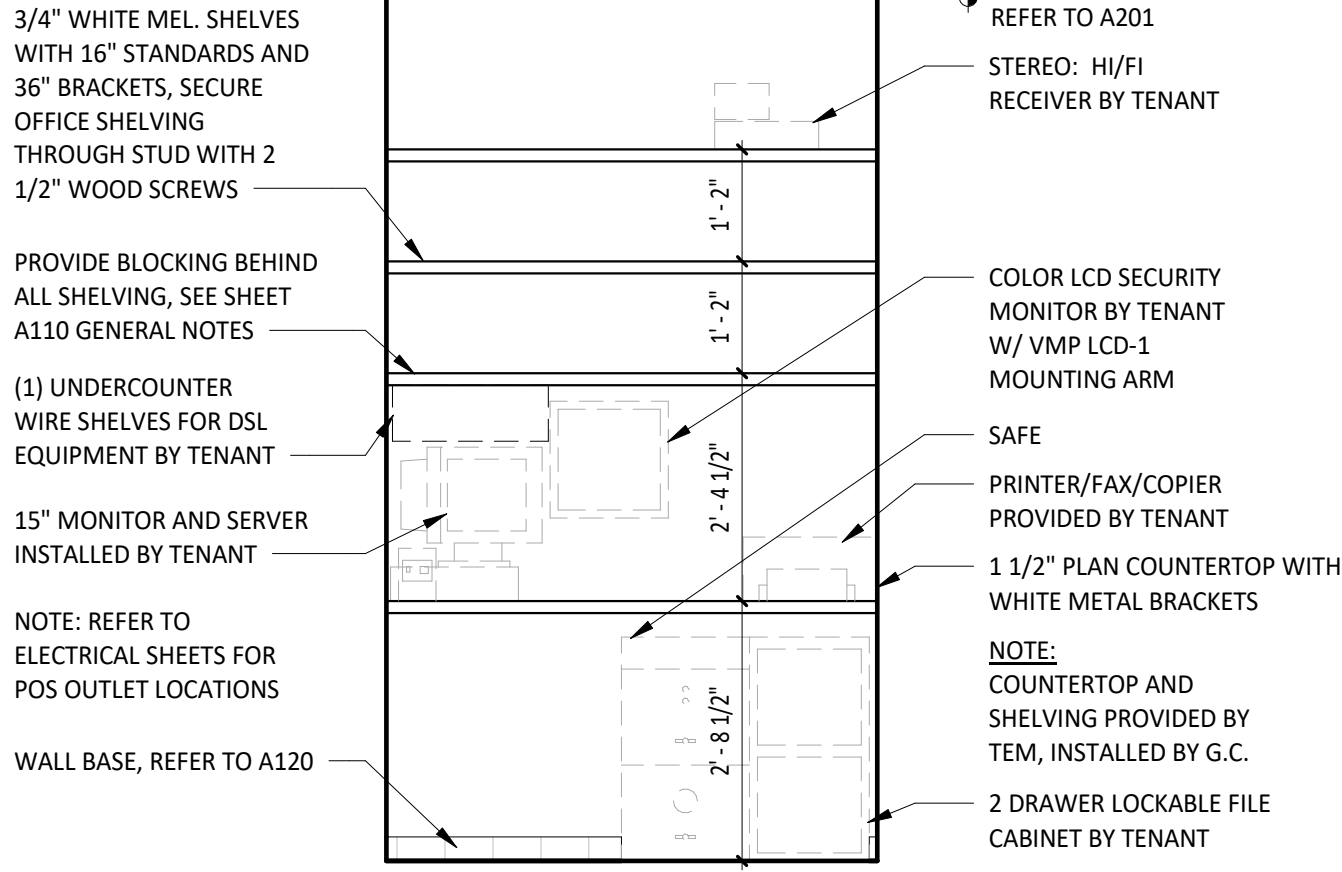


5 DINING ELEVATION
SCALE: 1/4" = 1'-0" A701

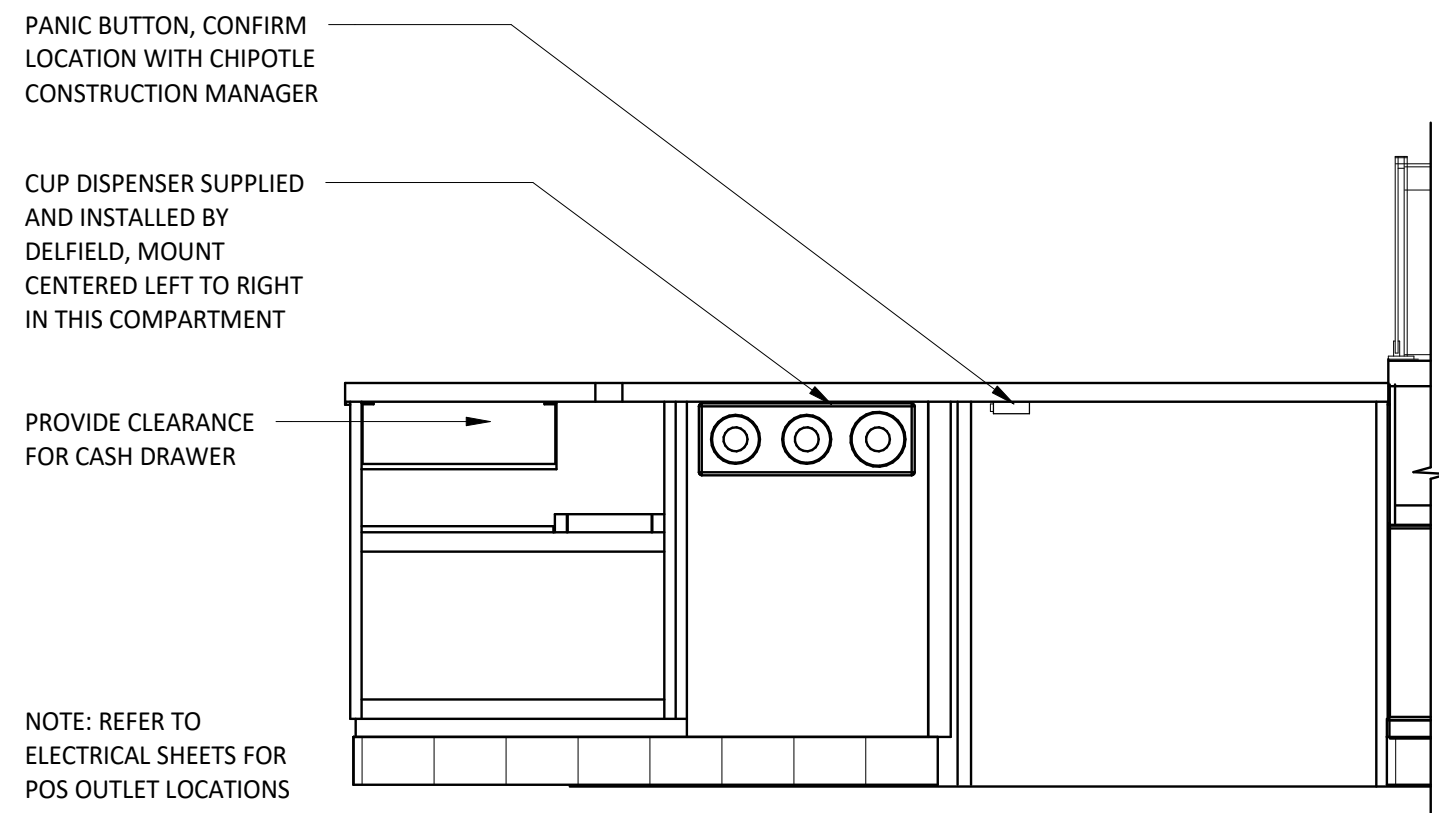
*THIS DETAIL IS FOR HANDSINK ACCESSORY DIMENSIONS ONLY. FOR ACTUAL ORIENTATION OF HAND SINK AND ACCESSORIES, REFER TO KITCHEN ELEVATIONS



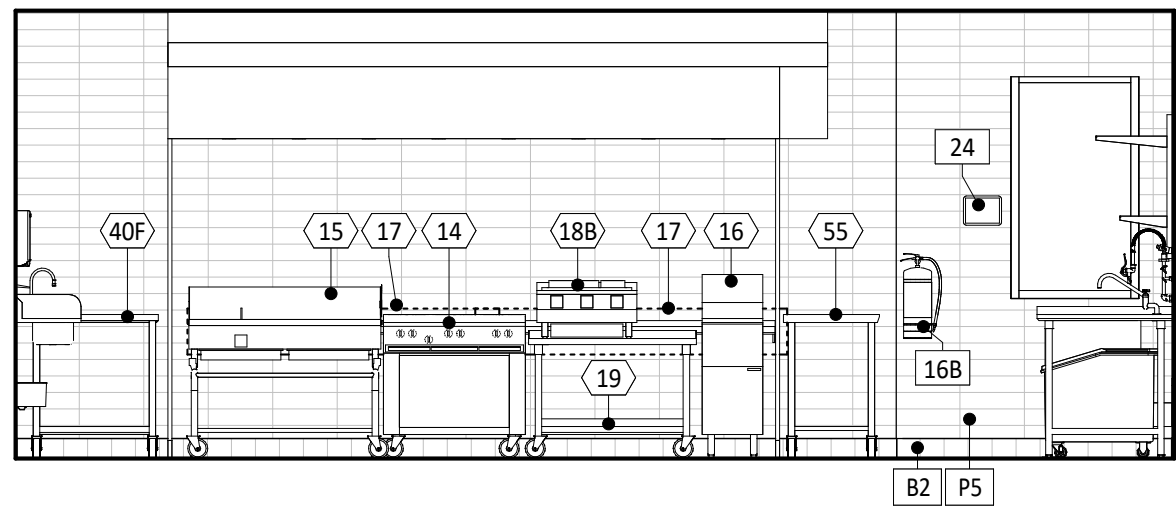
1 TYP ELEV - HAND SINK
SCALE: 1/2" = 1'-0"



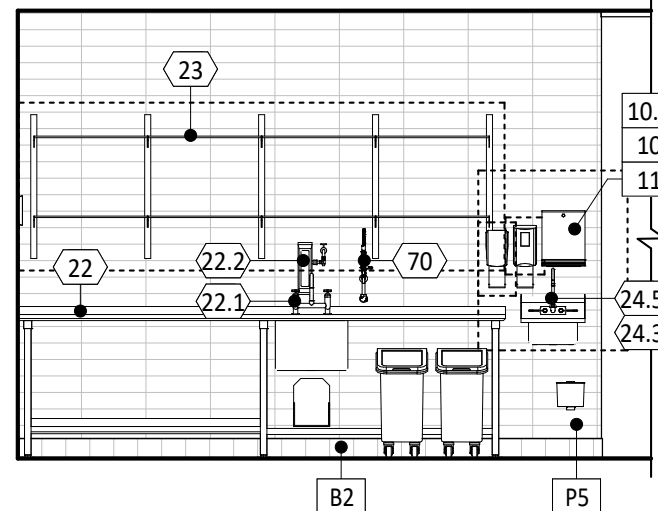
2 TYP ELEV - OFFICE SHELVEING
SCALE: 1/2" = 1'-0"



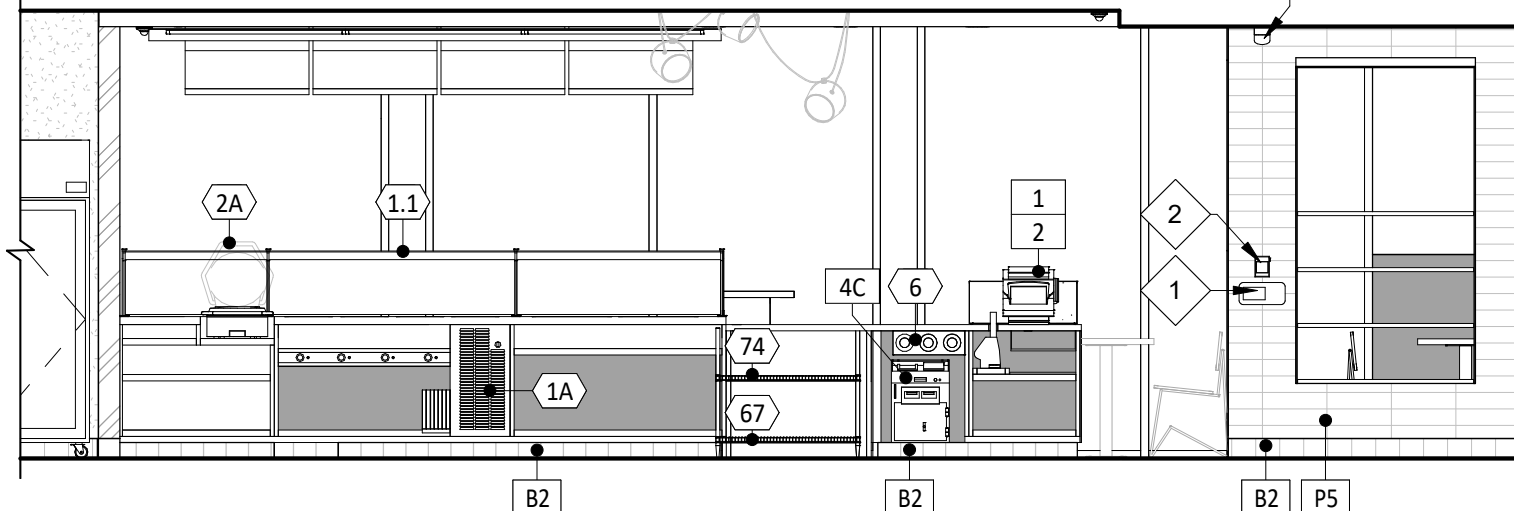
3 TYP. ELEV - POS
SCALE: 3/4" = 1'-0"



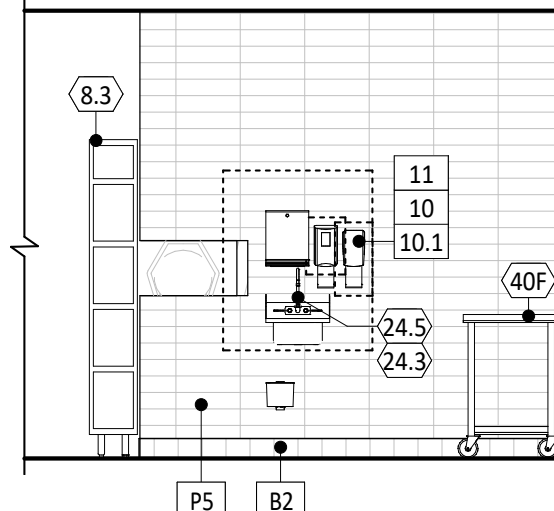
4 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0" A702



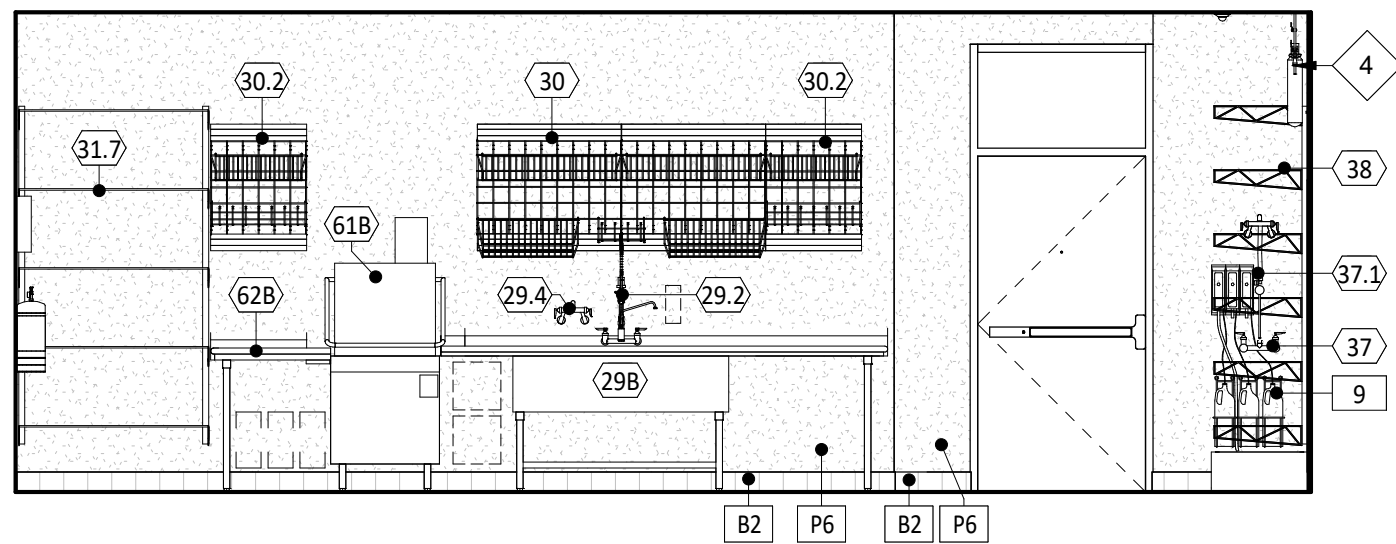
5 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0" A702



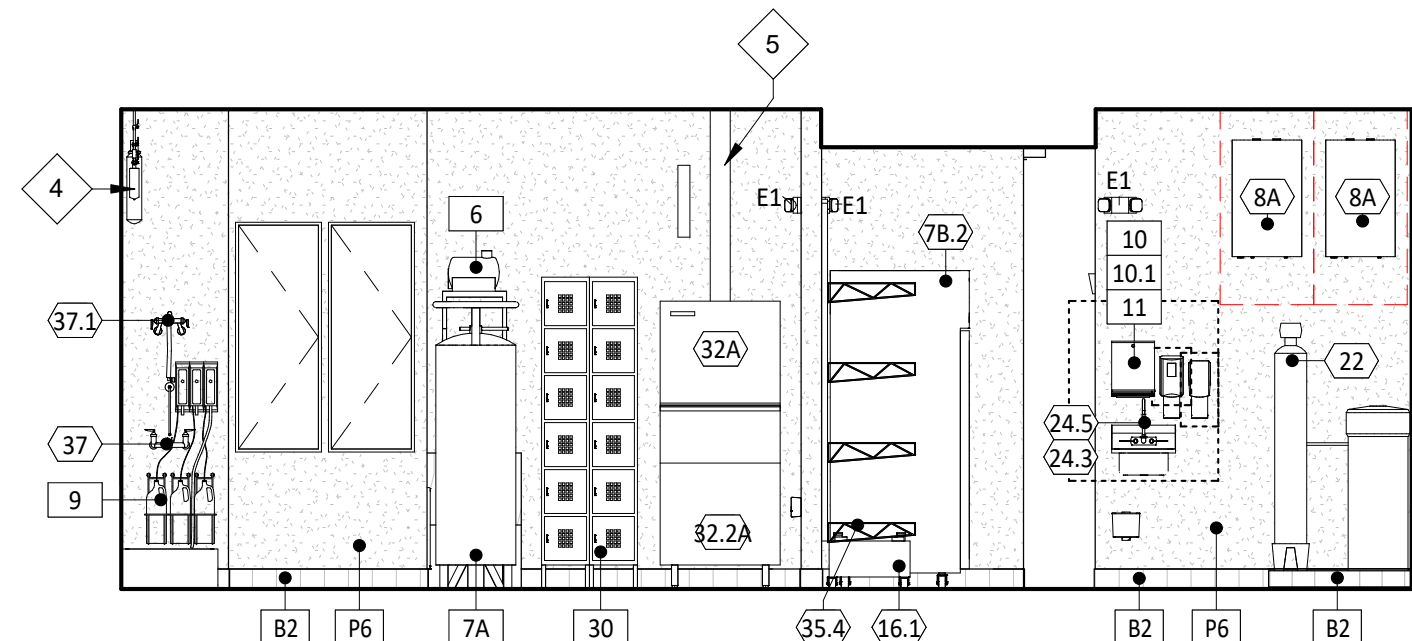
6 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0" A702



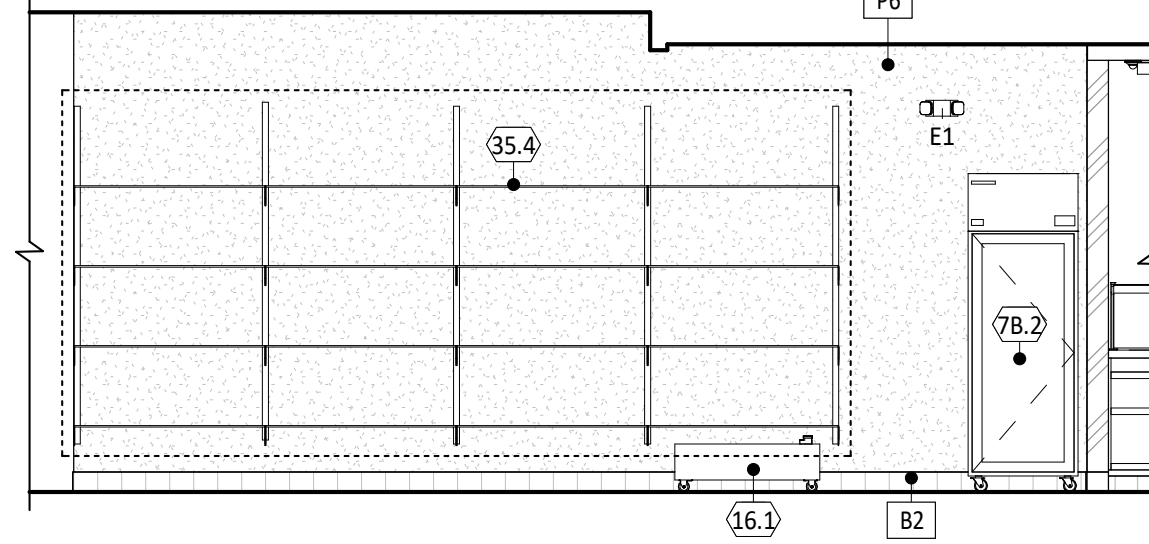
7 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0" A702



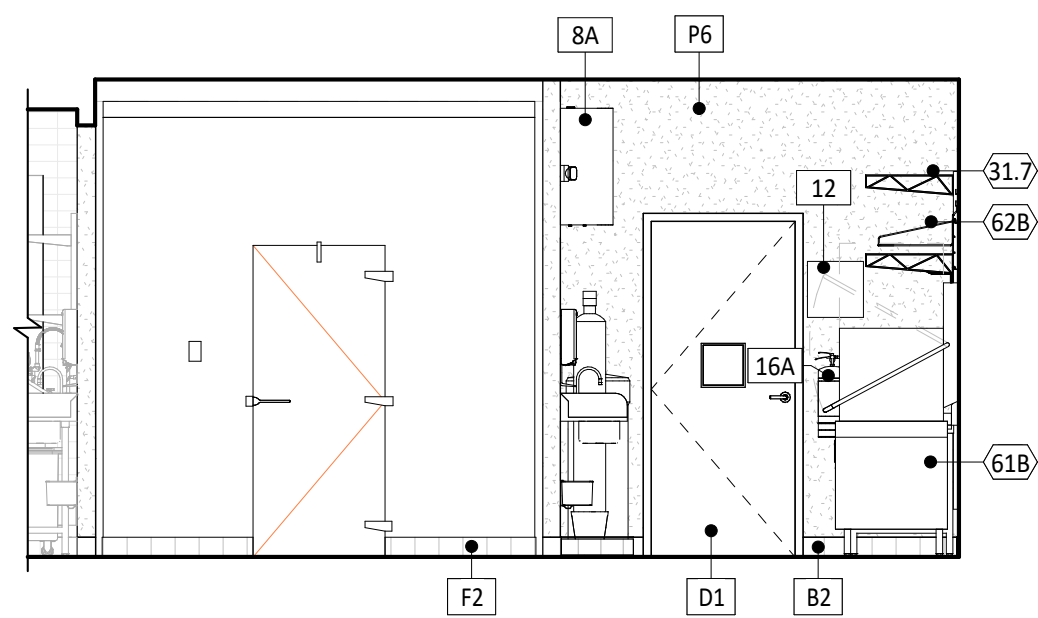
8 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0" A702



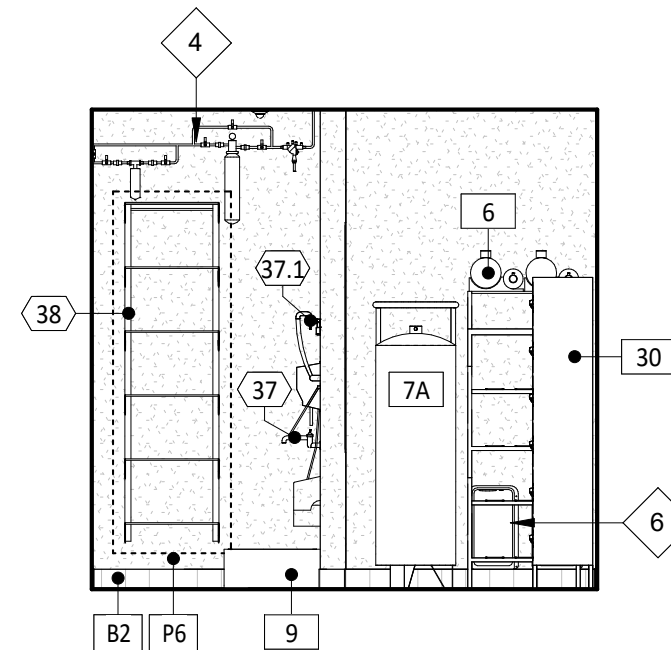
9 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0" A702



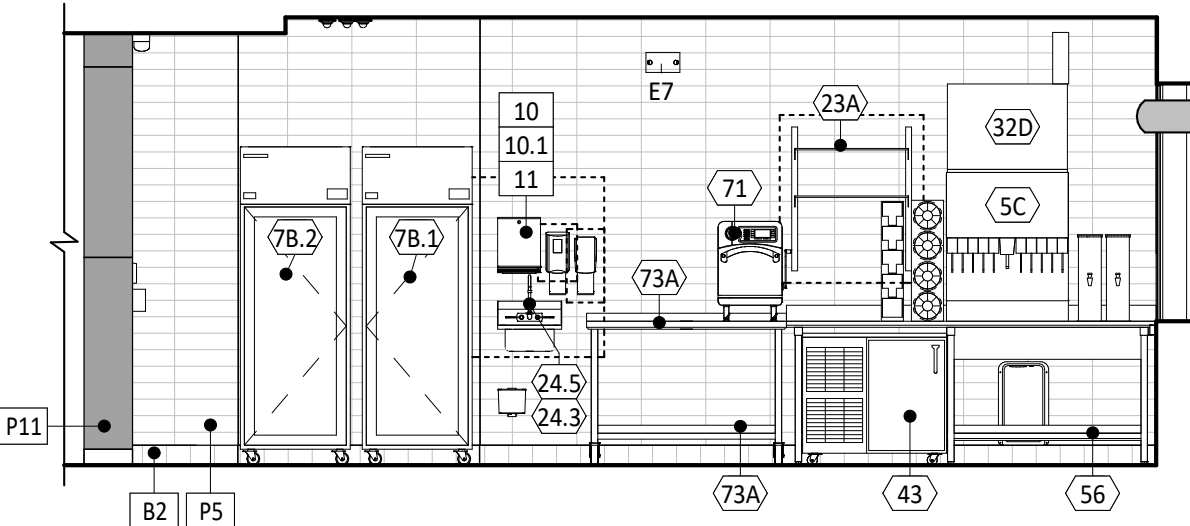
10 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0" A702



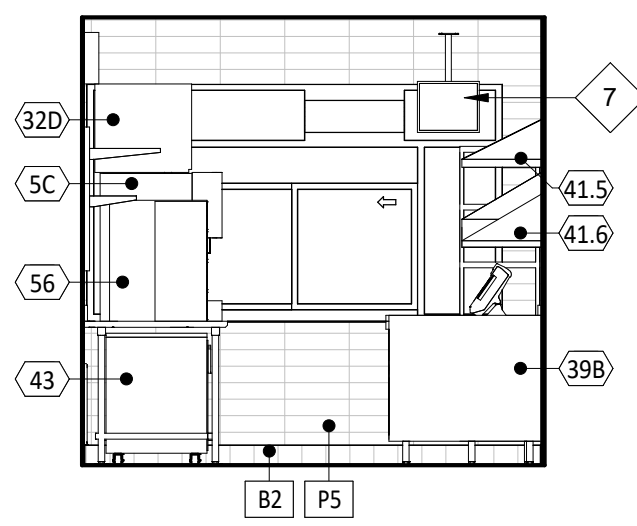
11 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0" A702



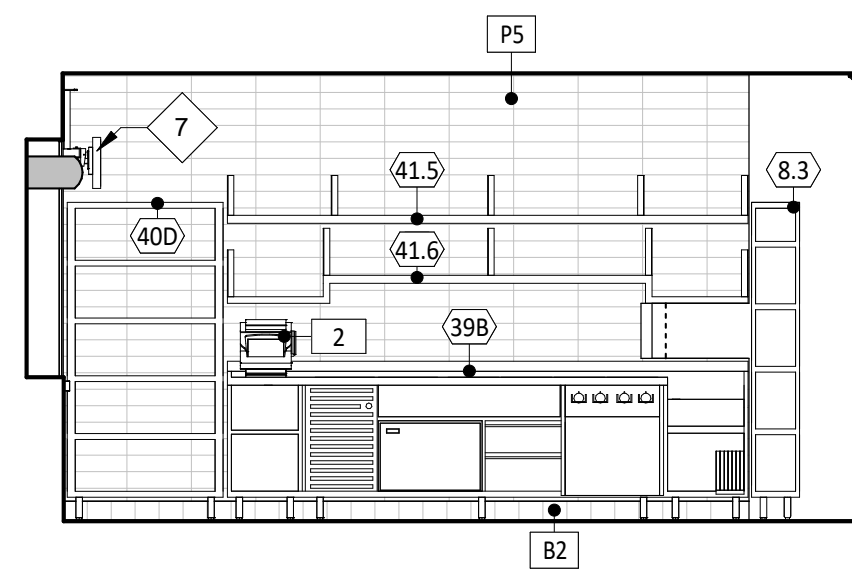
12 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0" A702



13 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0" A702



14 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0" A702



15 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0" A702

GENERAL NOTES - INT. ELEV.

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

ELEVATION LEGEND

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

KEYNOTE LEGEND

- KRONOS TIMECLOCK WILL BE LOCATED 44" A.F.F. TO THE TOP OF UNIT - CENTER KRONOS UNIT IN WALL - REFER TO ELECTRICAL DRAWINGS.
- ANSUL PULL TO BE LOCATED 48" A.F.F. TO THE CENTER OF UNIT ABOVE THE TIMECLOCK LOCATION.
- CHIME/STROBE - REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
- WATER FILTER - REFER TO PLUMBING SHEETS FOR ADDITIONAL INFORMATION.
- GENERAL CONTRACTOR TO PROVIDE STAINLESS STEEL SHROUD AROUND EXPOSED LINES AT ICE MAKERS - REFER TO FINISH PLANS FOR DETAILS.
- SODA CHASE BEYOND - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- MONITOR BY TENANTS VENDOR.

CONSULTANT:



CLIENT:



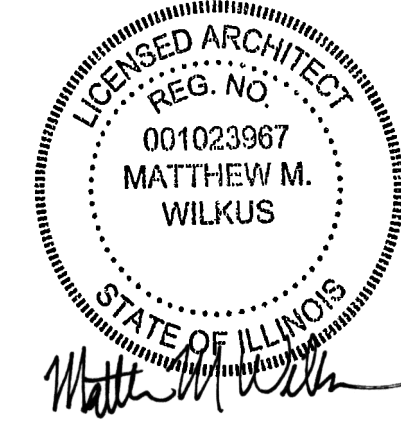
CHIPOTLE MEXICAN GRILL, INC.
P.O. BOX 182666
COLUMBUS, OH 43218-2666
TELEPHONE: (614) 318-2482
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: 4915
"LAKE ZURICH"
442 S. RAND ROAD
LAKE ZURICH, IL 60047

SEAL:



July 15, 2024

MATTHEW M. WILKUS
LICENSE #001.023967
(EXPIRES 11/30/2024)

PROJECT NO. 2023-0056

DRAWN BY JSB

CHECKED BY DVA

ISSUE RECORD:

01/11/2024 PERMIT SET

06/12/2024 BID SET

07/01/2024 CONSTRUCTION SET

REVISIONS:

TITLE:

ELEVATIONS -
INTERIOR KITCHEN

SHEET NUMBER:

A702

RESTROOM ACCESSORIES

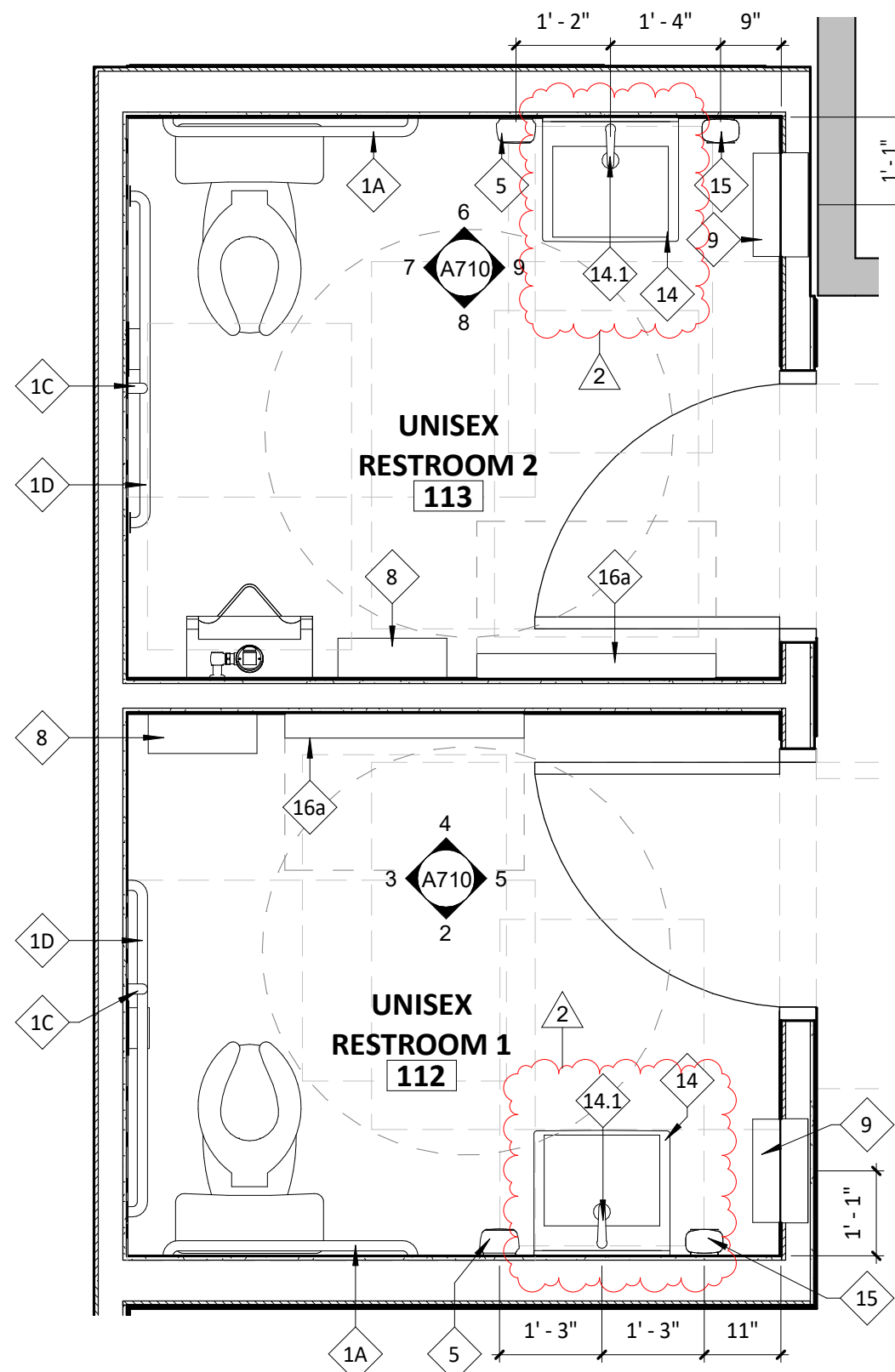
ITEM #	DESCRIPTION	MANUF	MODEL	QTY	PROVIDED BY	INSTALLED BY	UTILITY				MOUNTING HEIGHT	REMARKS
							ELEC	GAS	WATER	SEWER		
1A	Grab Bar - 36in	ASI	3501-36	2	WA	GC					34" AFF to Centerline of Grasping Surface	Provide Plywood Blocking to Mount to Wall
1C	Grab Bar - 18in	ASI	3501-18	2	WA	GC					40" AFF to Centerline of Bottom Return	Provide Plywood Blocking to Mount to Wall
1D	Grab Bar - 48in	ASI	3501-48	2	WA	GC					36" AFF to Top of Grasping Surface	Provide Plywood Blocking to Mount to Wall
3	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	T&S	EC-3102-TMV-LF-05	2	KES	GC						To Be Furnished With .5 GPM Aerator Installed. Thermostatic mixing valve is also included.
15	Hand Sanitizer Dispenser	Purell	ES8	2	WA	GC					Align T.O. Unit With T.O. Soap Dispenser	
16a	Surface Mounted Horizontal Baby Changing Station	Koala Care	K8200-05	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

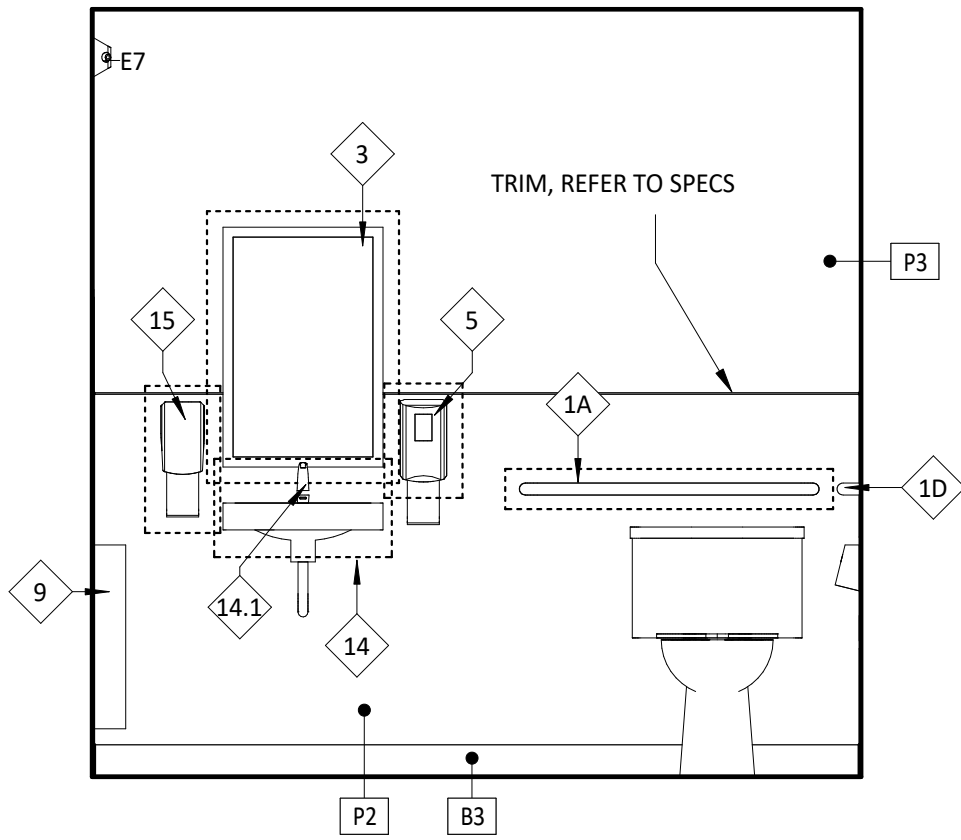
- A. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE NOTES.
- B. REFER TO A801 FOR FINISH DETAIL NOTES.
- C. ALL ACCESSORIES SHALL BE AS MANUFACTURED BY AMERICAN SPECIALTIES INC OR TENANT APPROVED EQUIVALENT UNLESS DESIGNATED OTHERWISE. PROVIDE SOLID FRT WOOD BLOCKING AS NECESSARY FOR INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS. SEE SHEET 6002 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

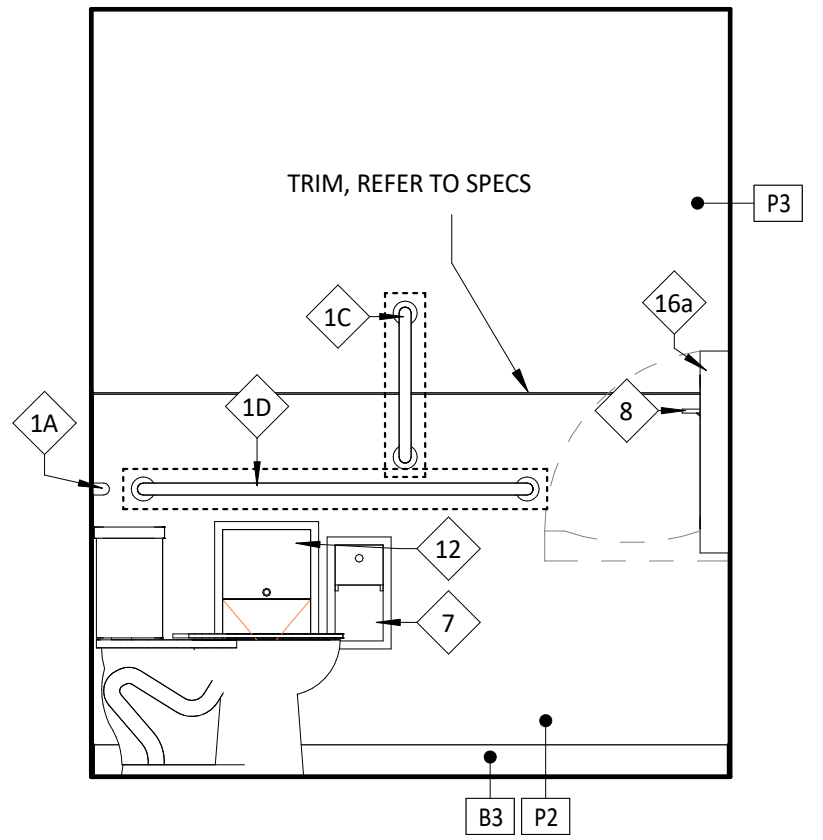
..... DENOTES WOOD BLOCKING IN WALL BEHIND WALL MOUNTED OBJECT U.N.O.



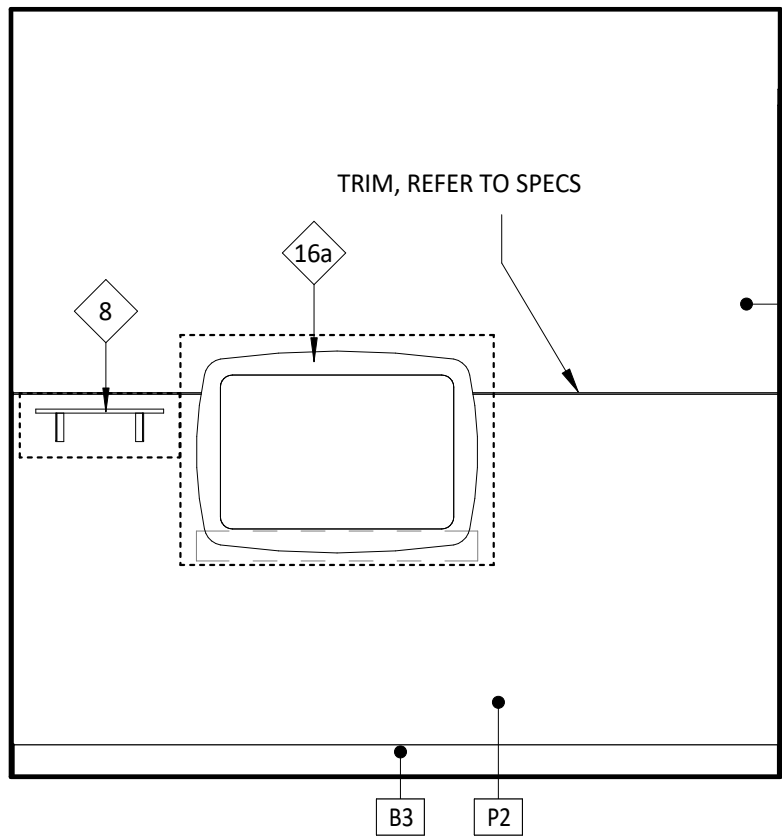
1 ENLARGED PLAN
SCALE: 1/2" = 1'-0"



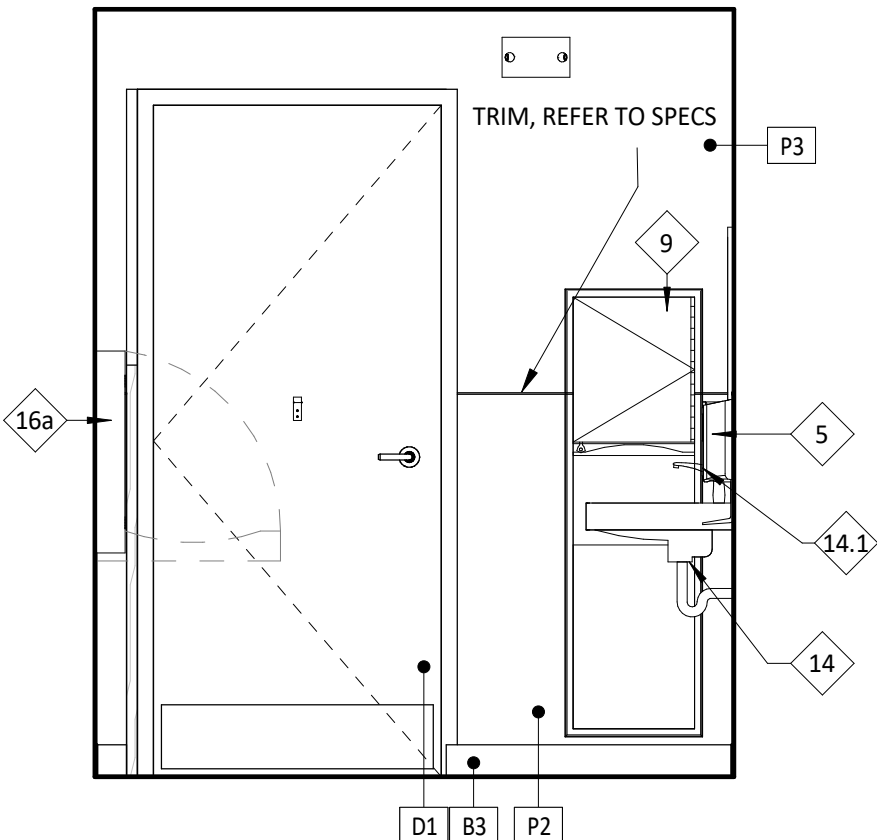
2 UNISEX 1 RESTROOM
SCALE: 1/2" = 1'-0"



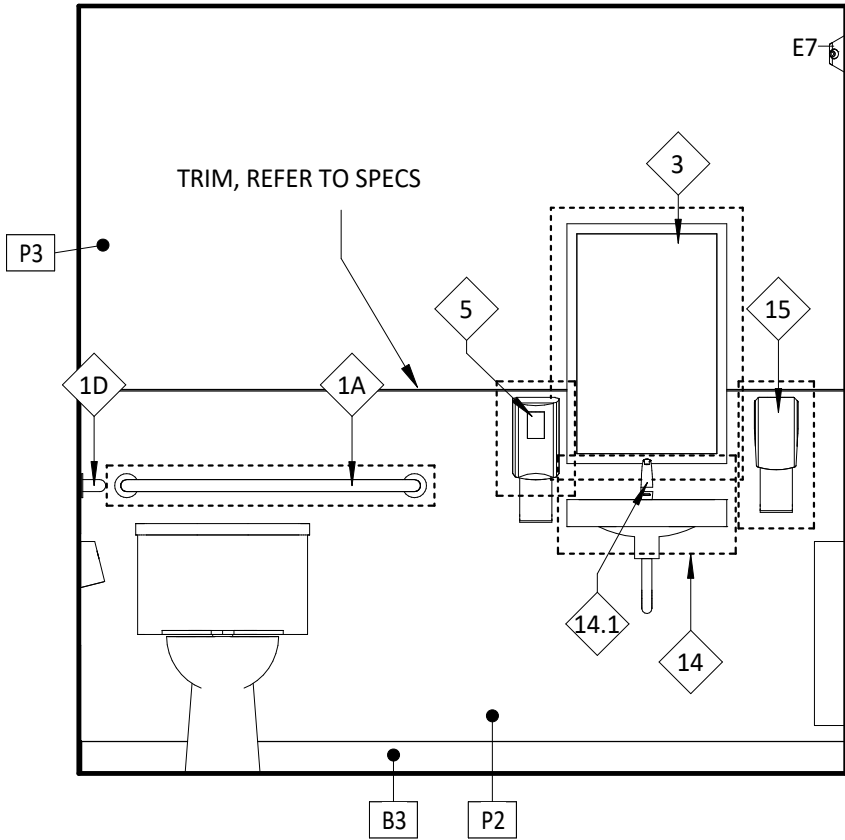
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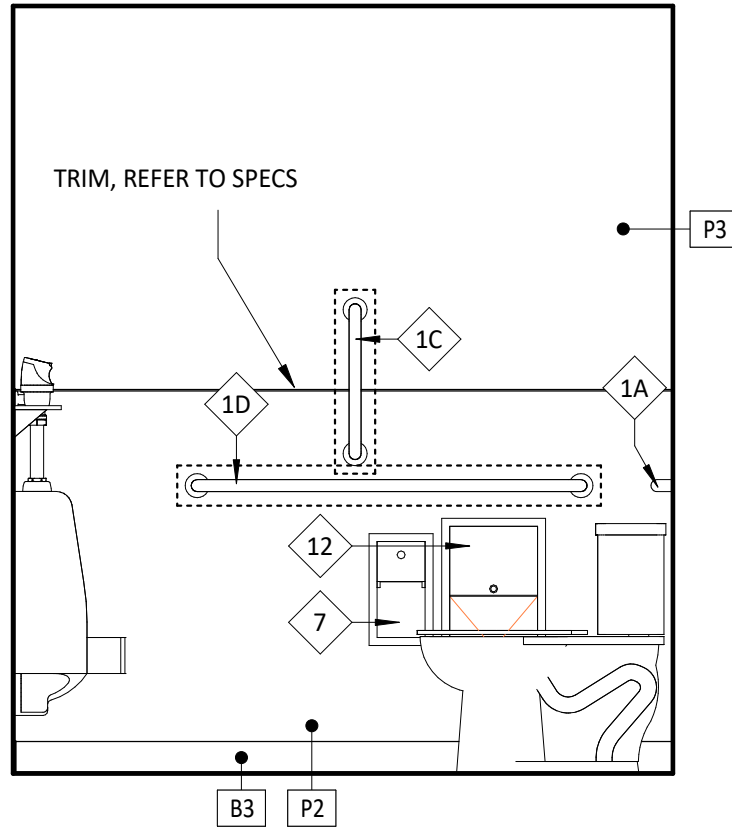
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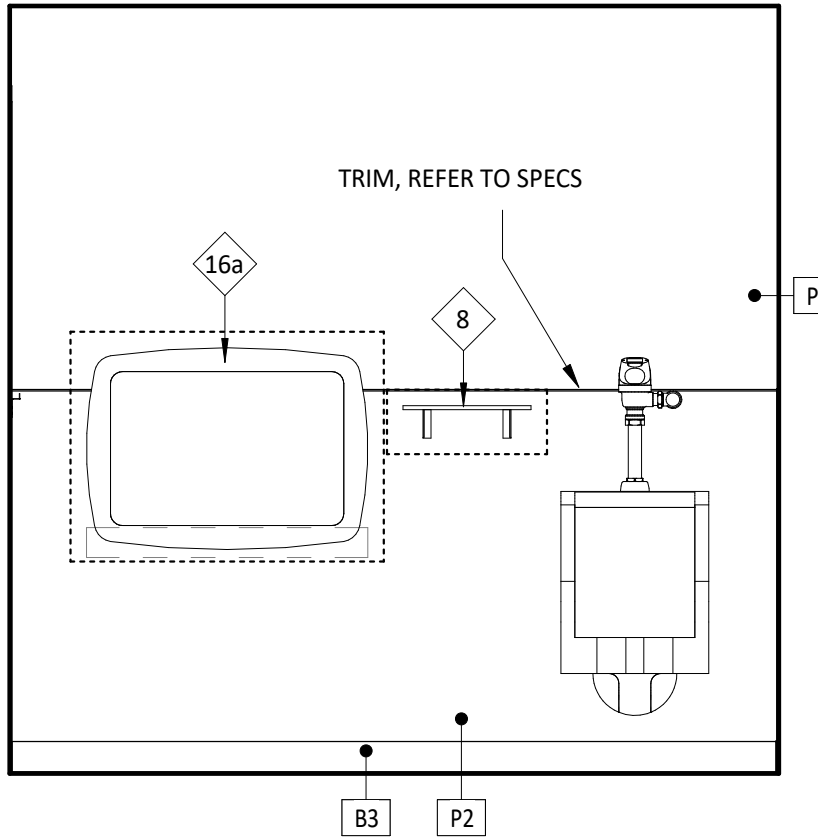
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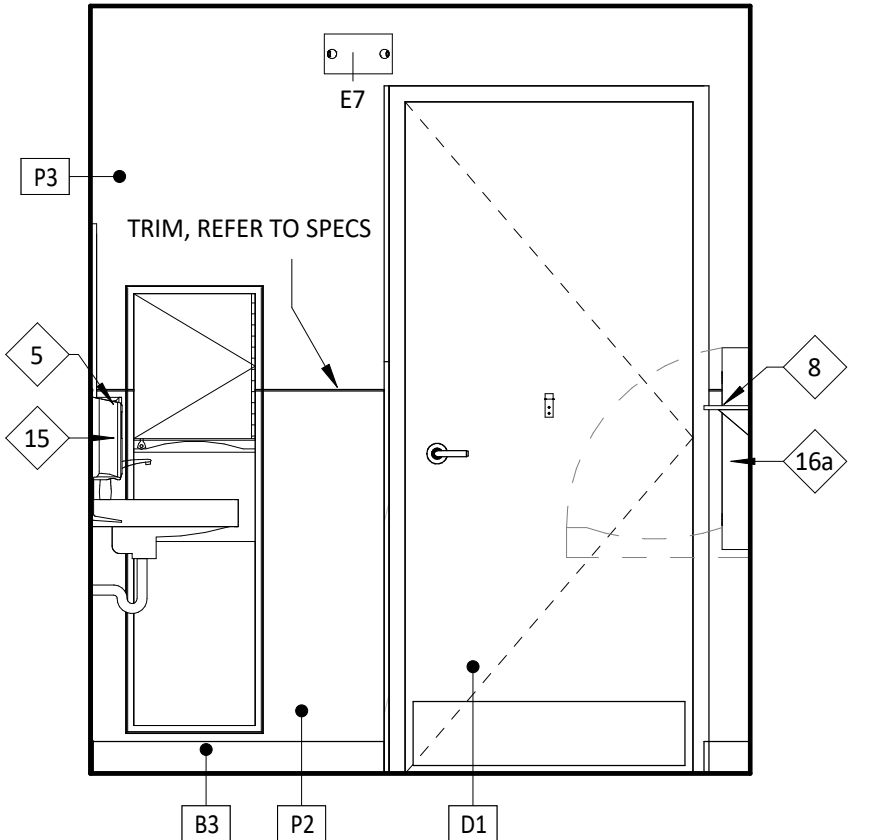
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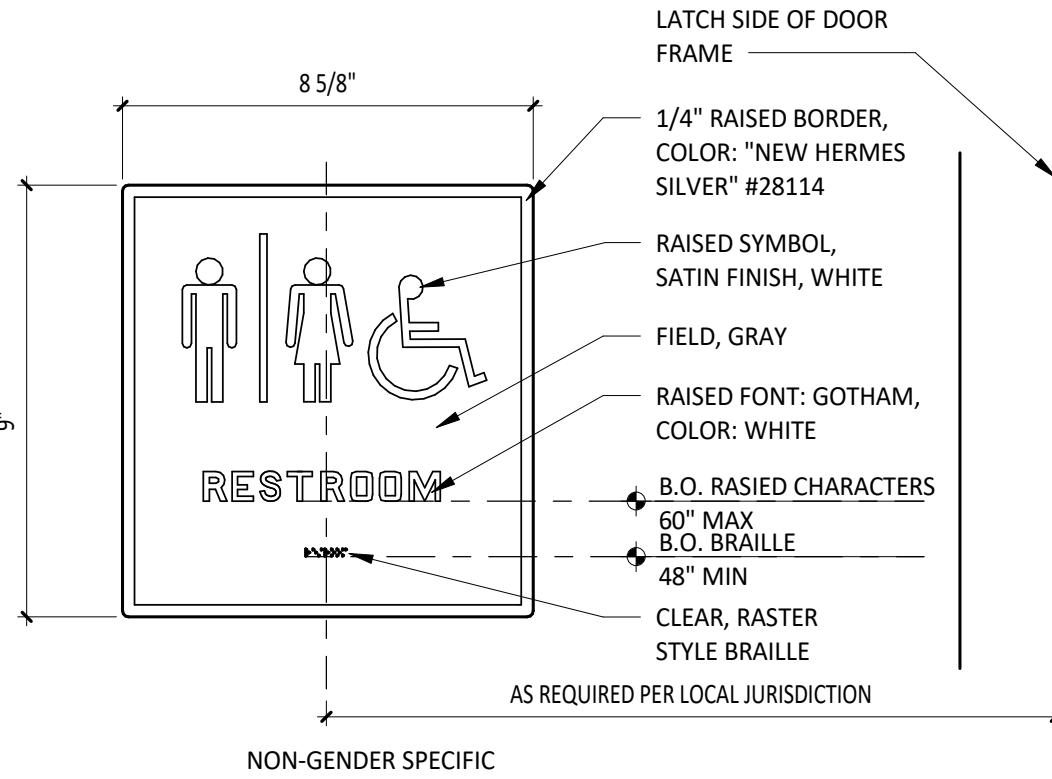
7 UNISEX 2 RESTROOM
SCALE: 1/2" = 1'-0"



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:

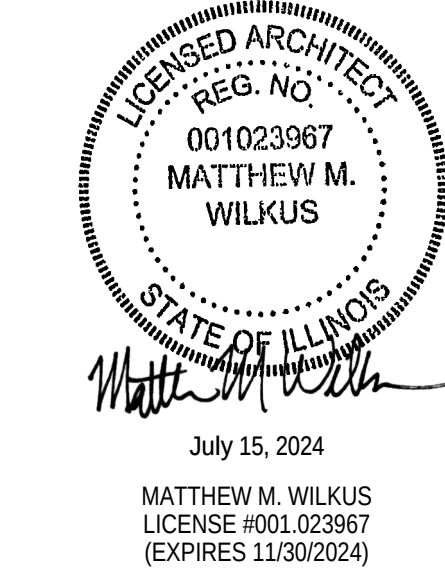


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PROJECT INFORMATION:

STORE NO.: 4915
"LAKE ZURICH"
442 S. RAND ROAD
LAKE ZURICH, IL 60047

SEAL:



PROJECT NO. 2023-0056
DRAWN BY JSB
CHECKED BY DVA

ISSUE RECORD:
01/11/2024 PERMIT SET
06/12/2024 BID SET
07/01/2024 CONSTRUCTION SET

REVISIONS:

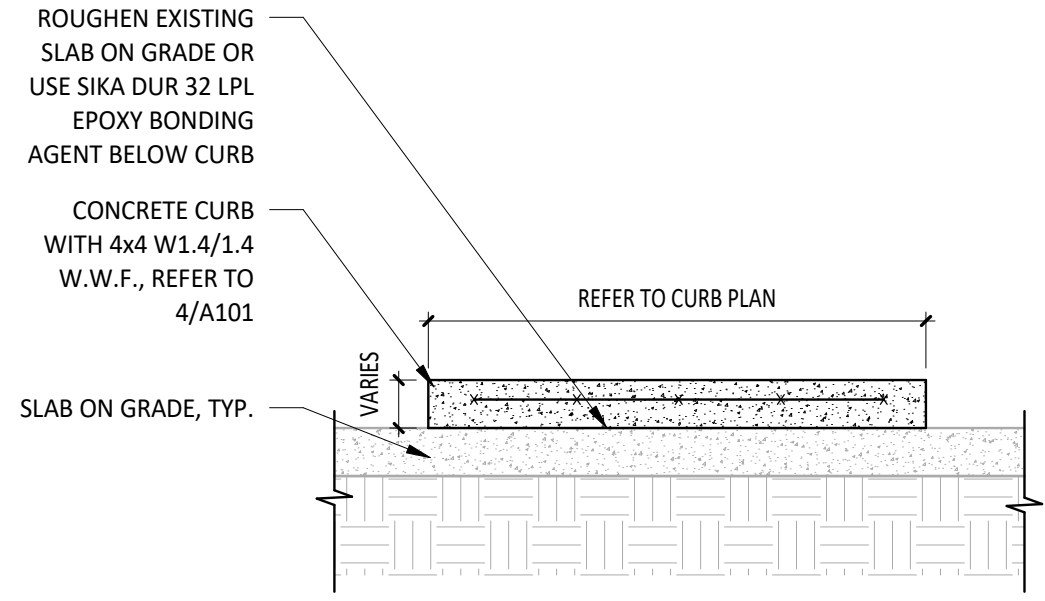
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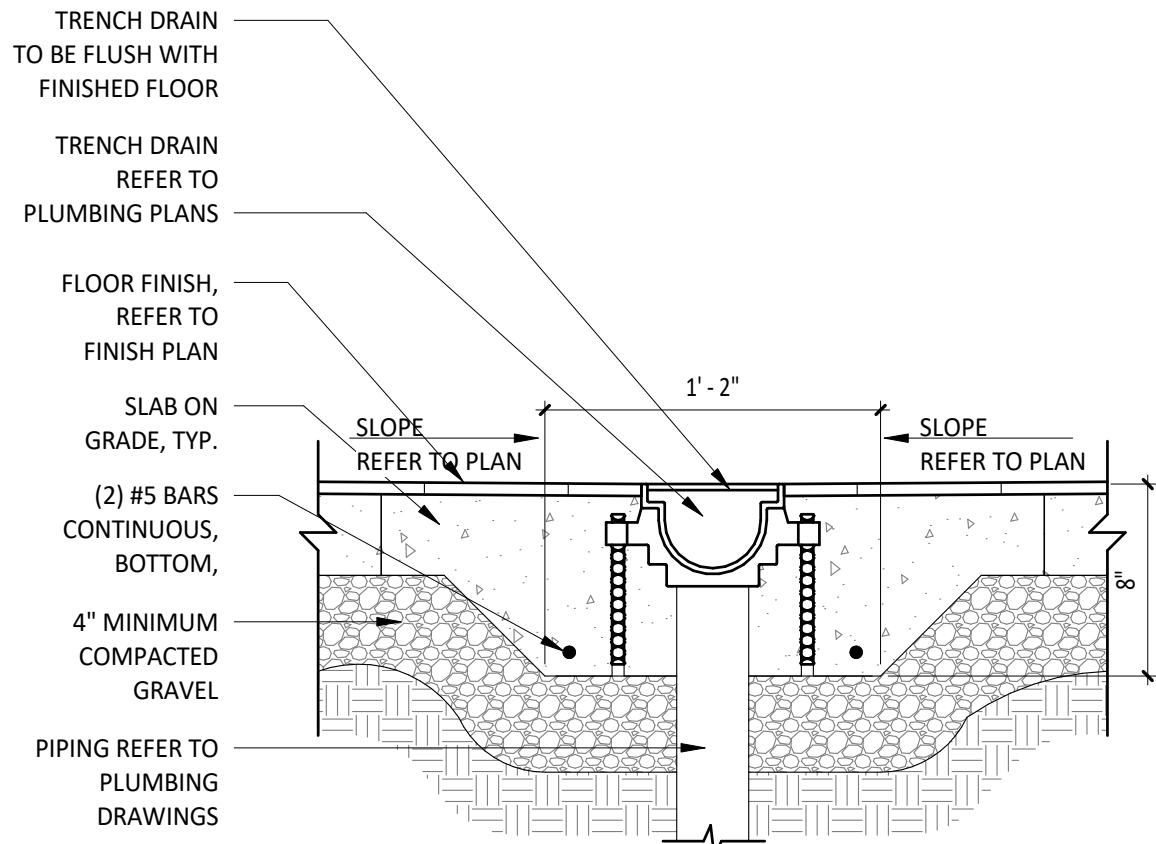
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INFORMATION

SHEET NUMBER:

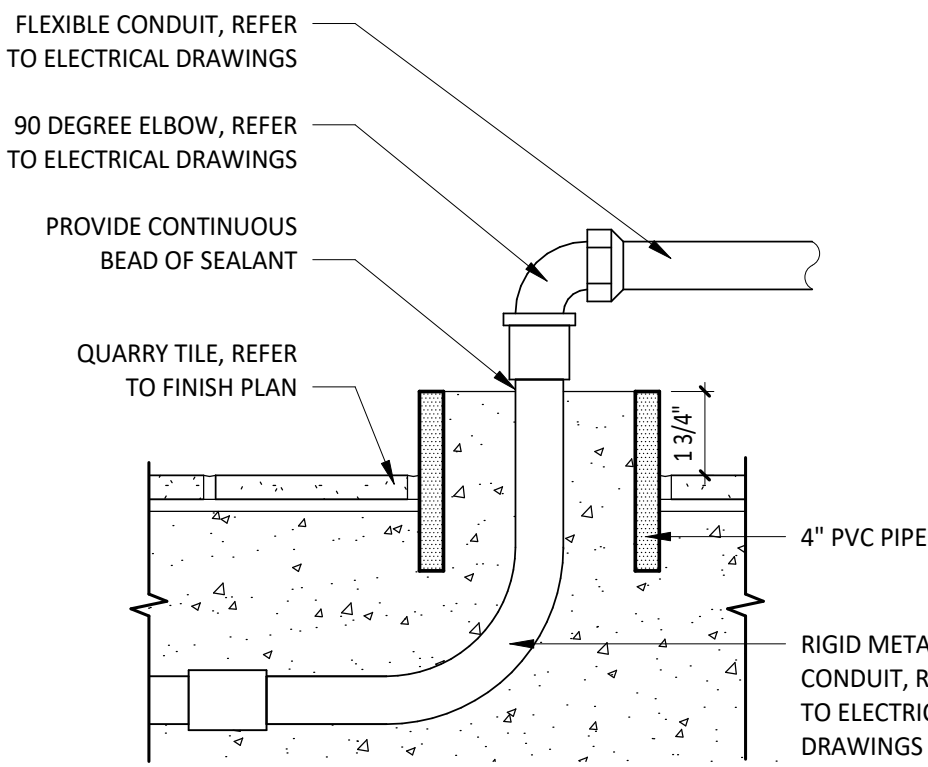
A710



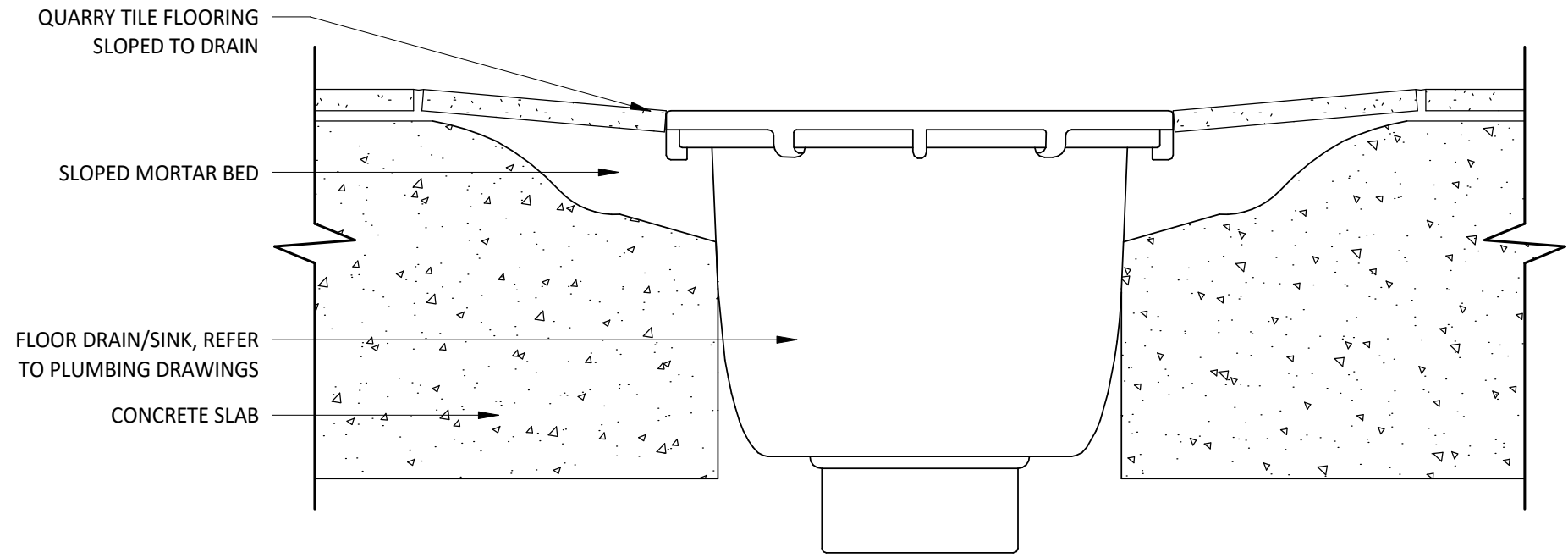
1 DETAIL @ CONCRETE CURB
SCALE: 3/4" = 1'-0"



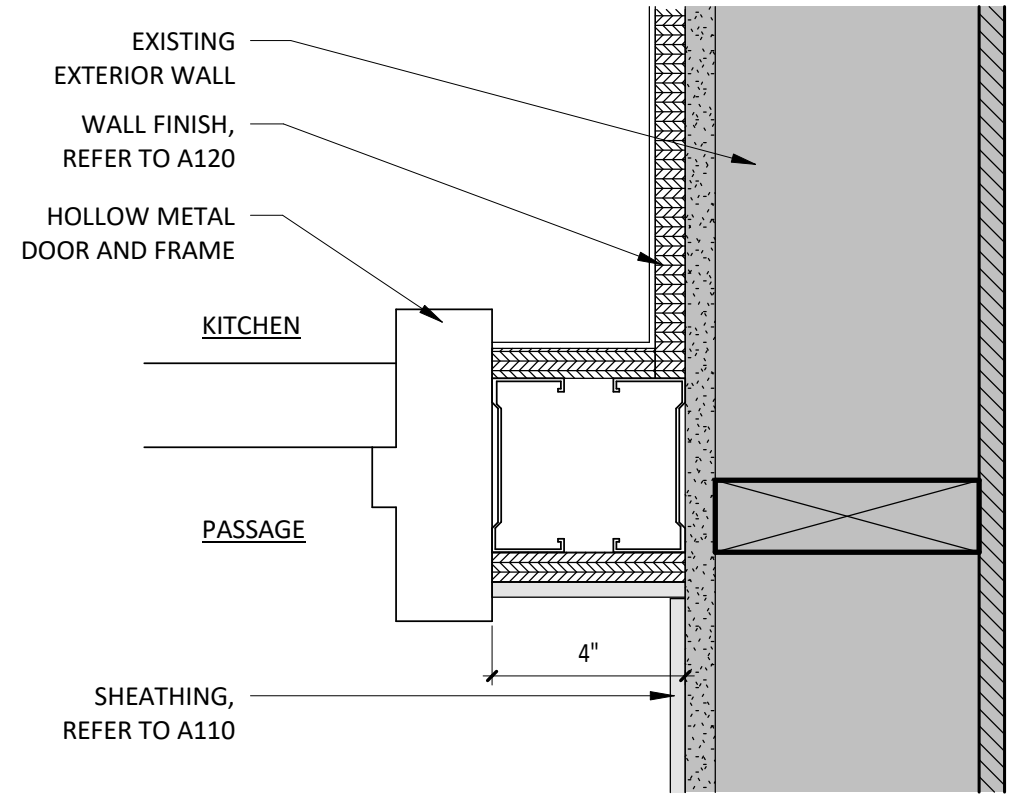
2 DETAIL @ TRENCH DRAIN
SCALE: 1 1/2" = 1'-0"



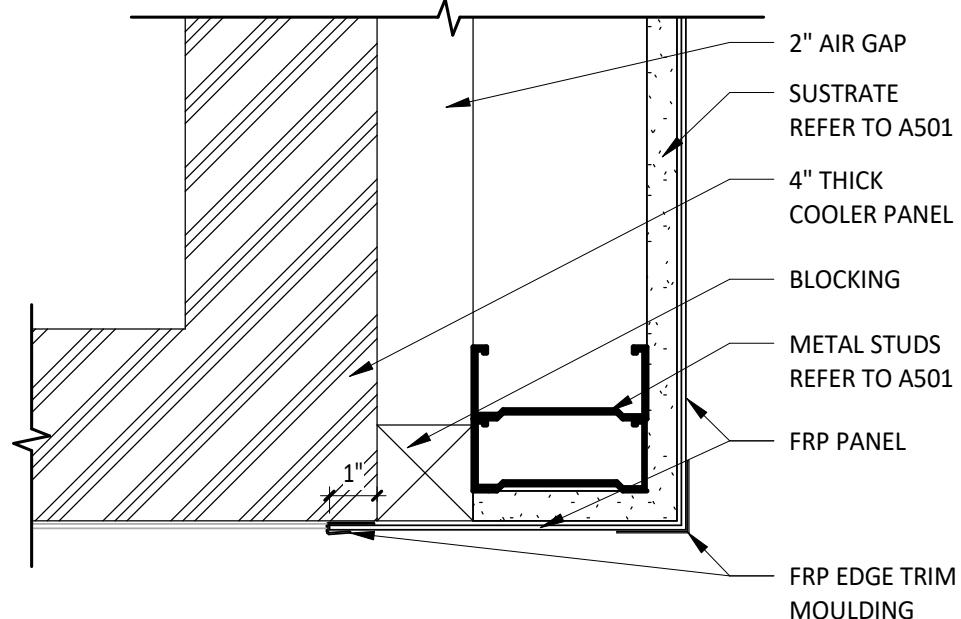
3 SECTION @ STUB LOCATION UNDER TABLES
SCALE: 3" = 1'-0"



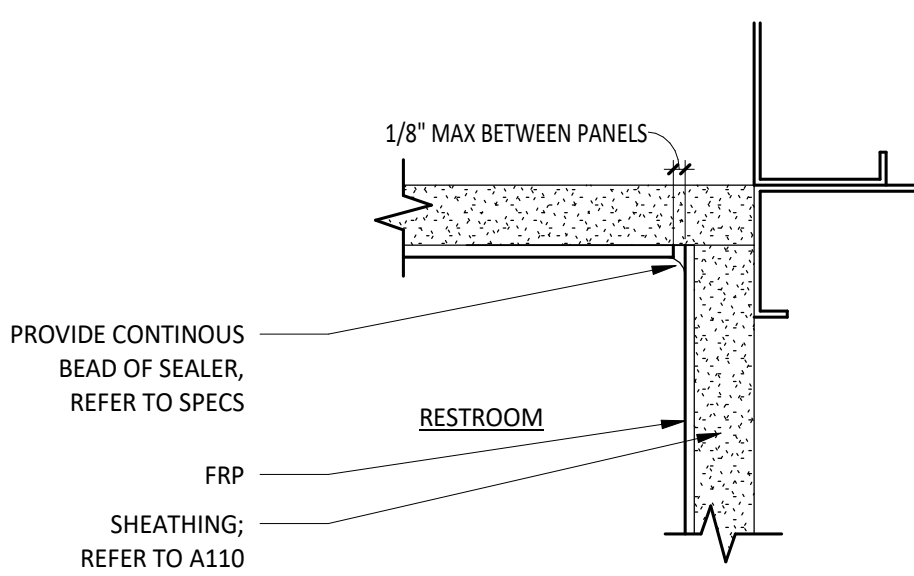
4 SECTION @ QT FLOOR DRAIN/SINK - TYP.
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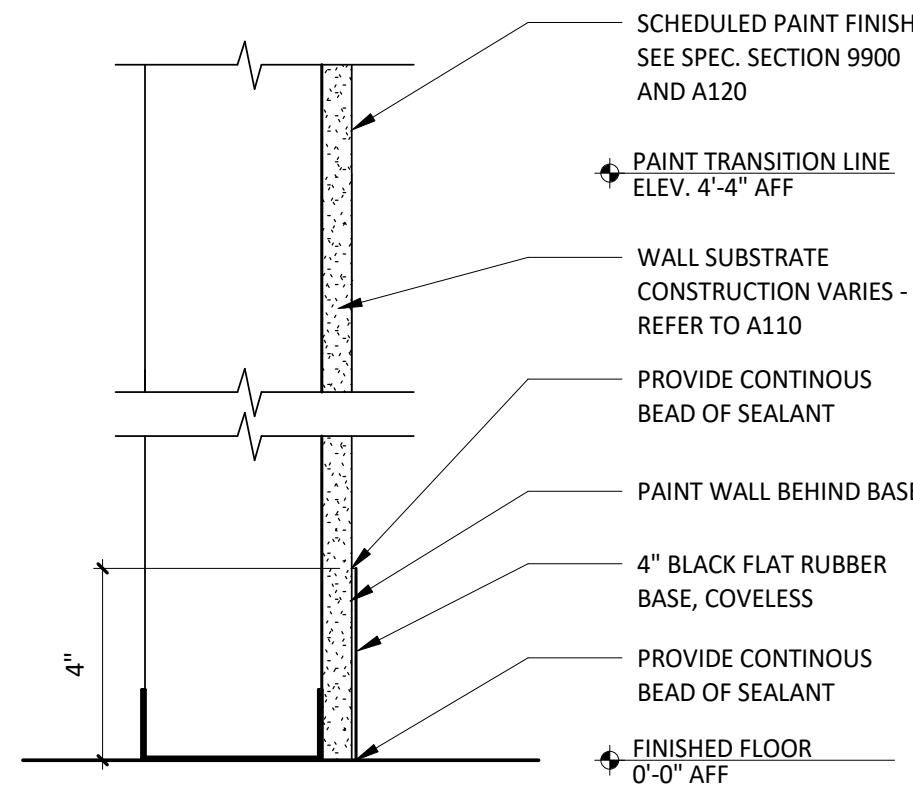
5 DETAIL @ DOOR JAMB
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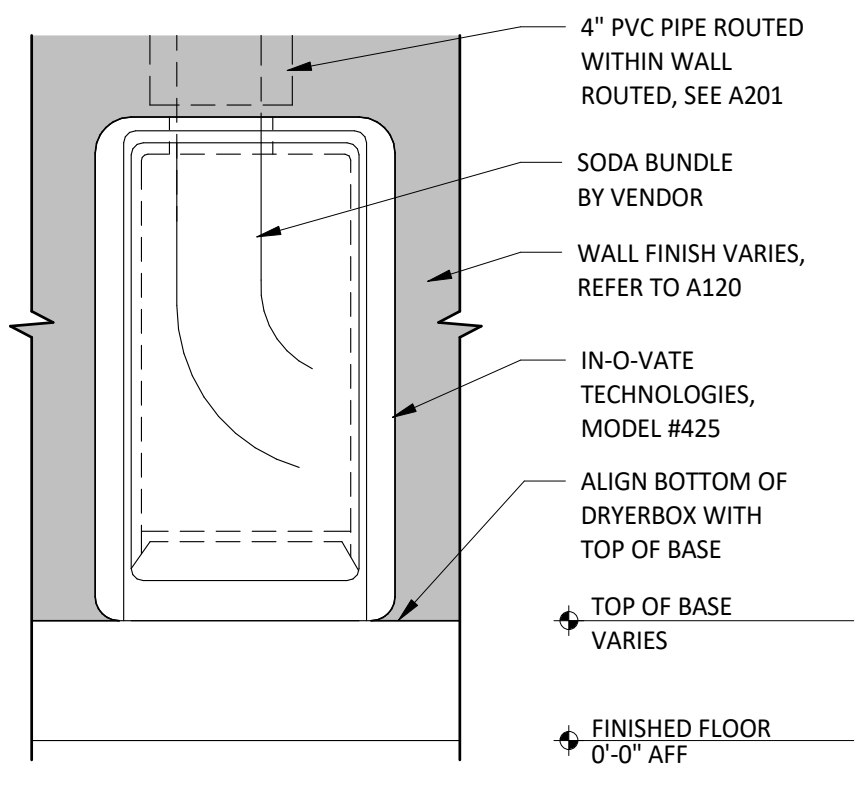
6 DETAIL @ FRP TO COOLER CLOSER STRIP
SCALE: 3" = 1'-0"



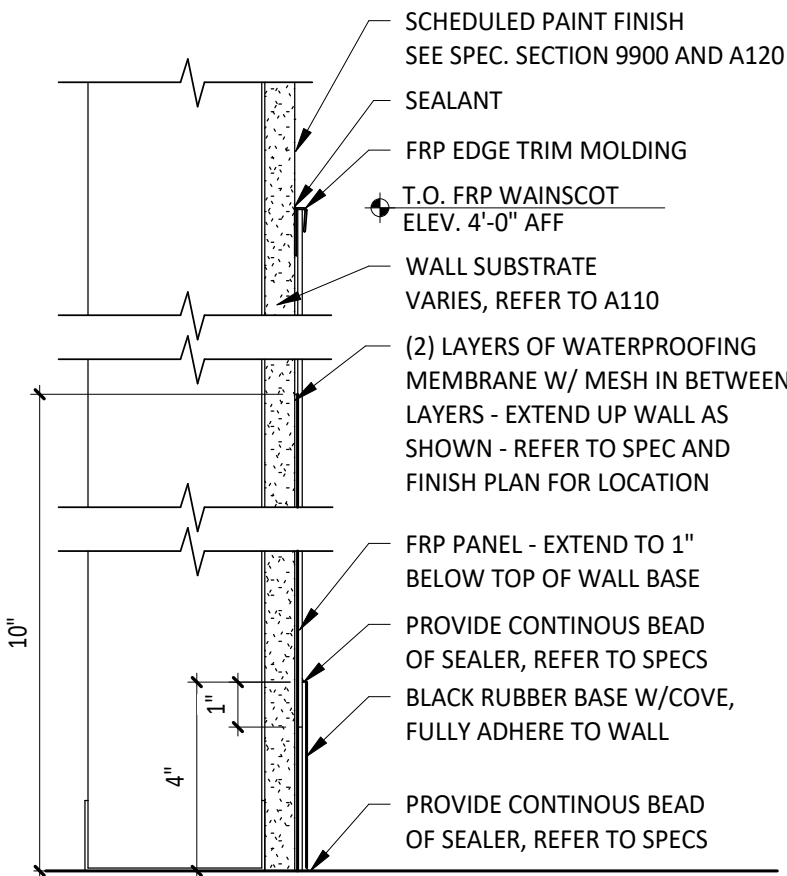
7 DETAIL @ RESTROOM FRP INSIDE CORNER
SCALE: 6" = 1'-0"



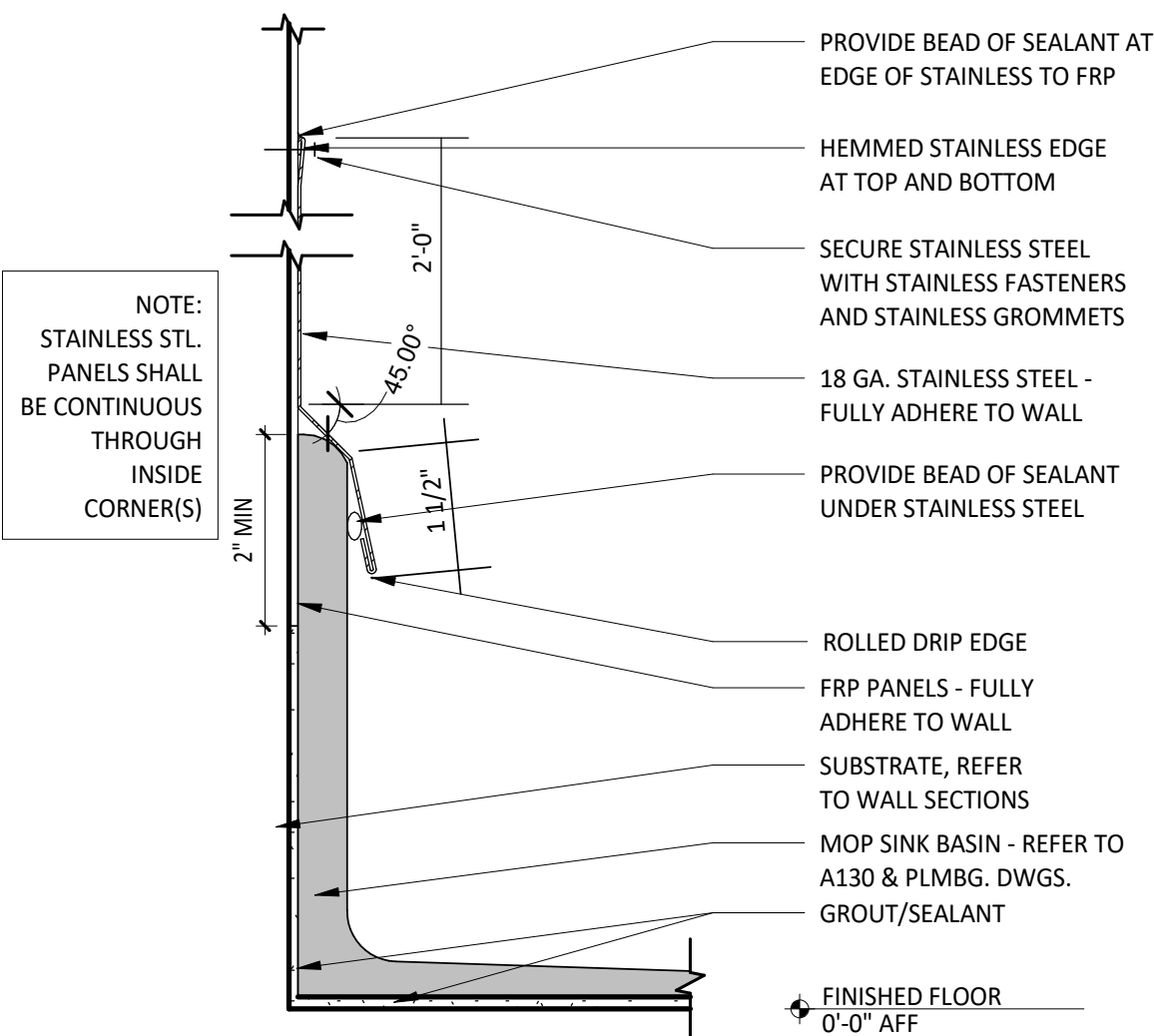
8 SECTION @ DINING ROOM WALL
SCALE: 3" = 1'-0"



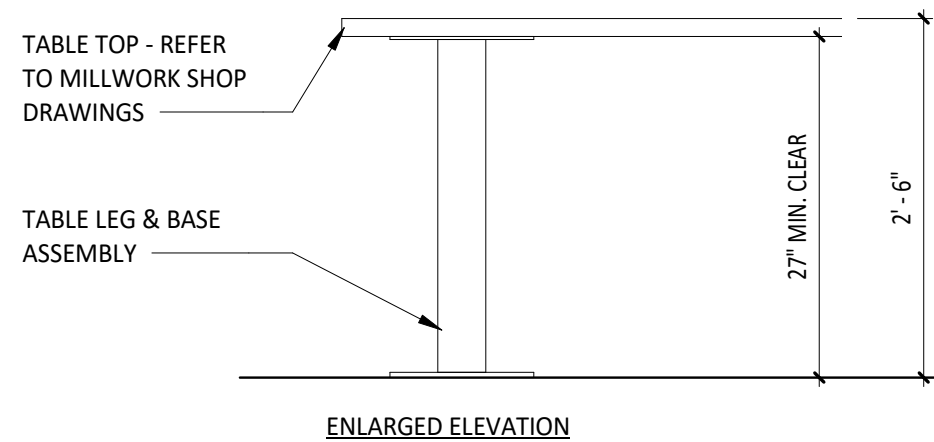
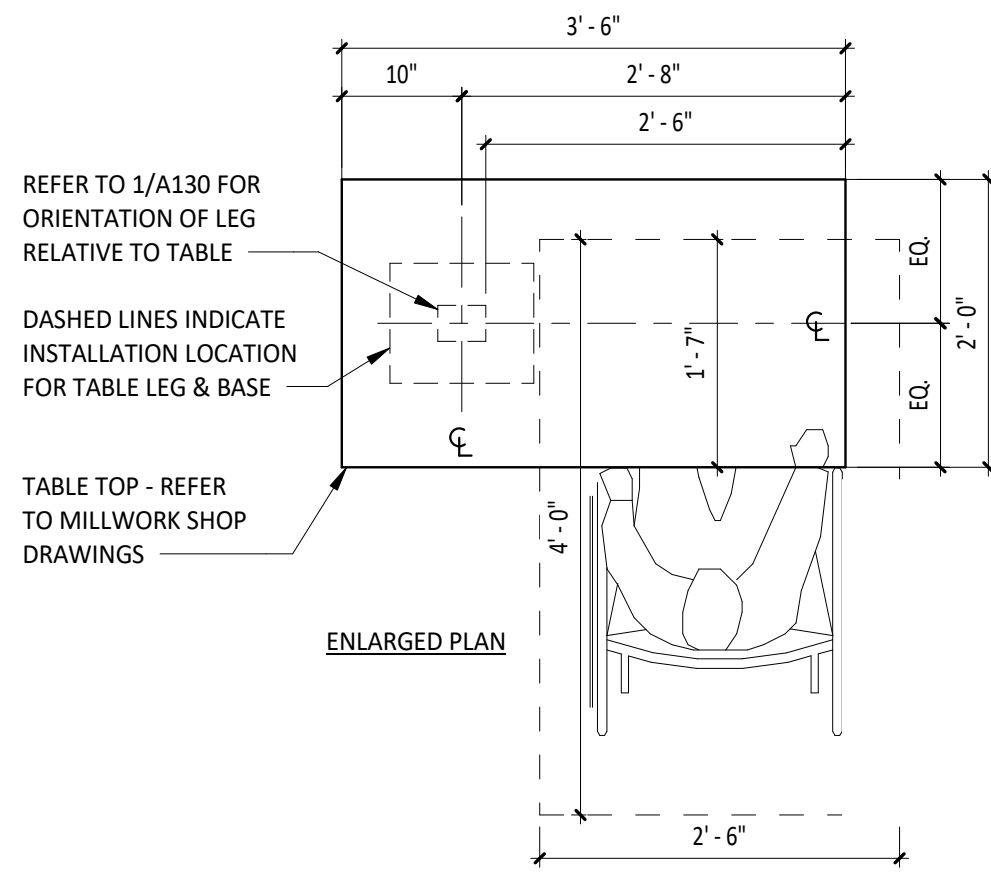
9 ELEVATION @ SODA CHASE (DRYER BOX)
SCALE: 1 1/2" = 1'-0"



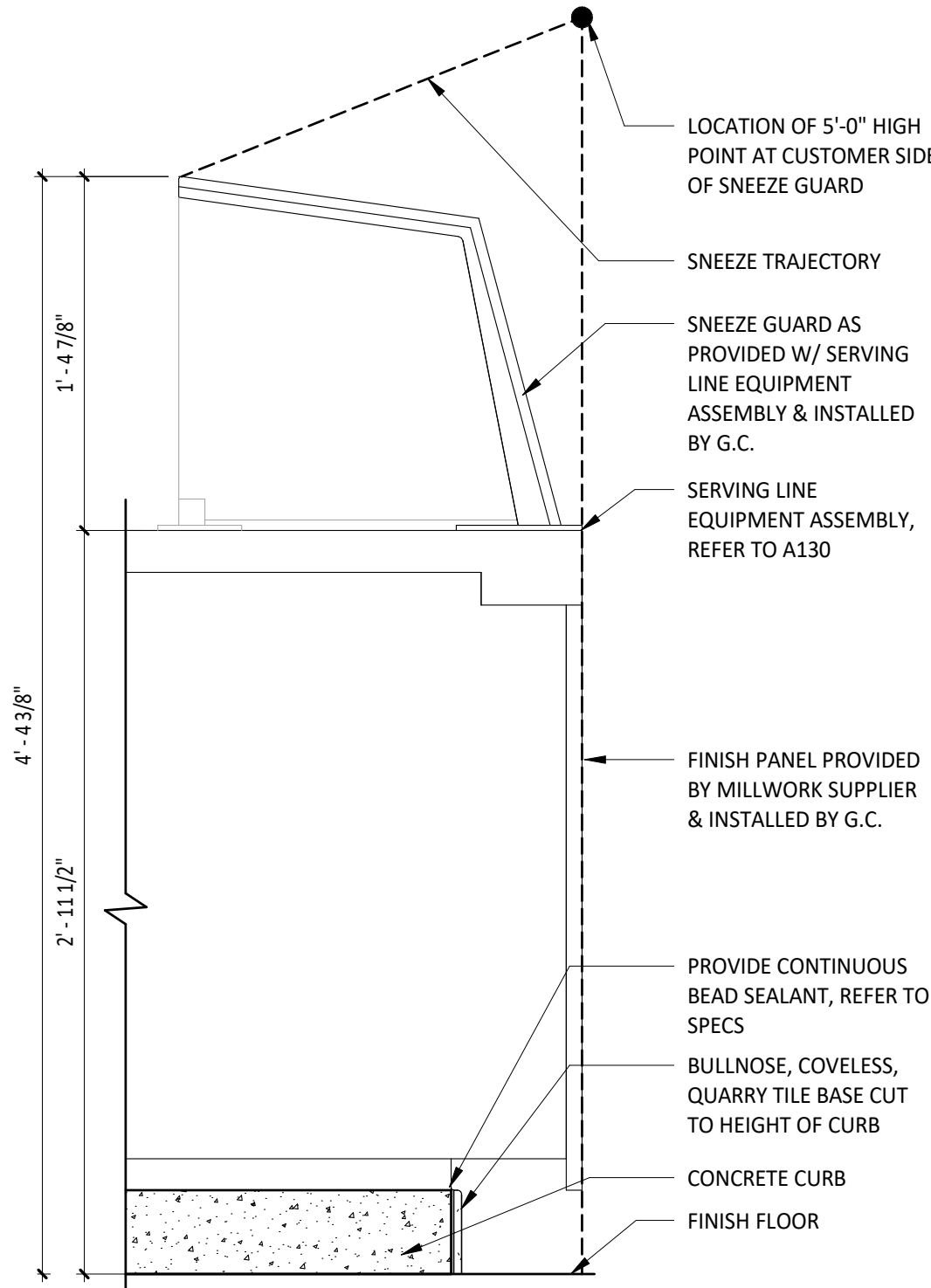
10 SECTION @ FRP WAINSCOT W/ RUBBER BASE
SCALE: 3" = 1'-0"



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



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

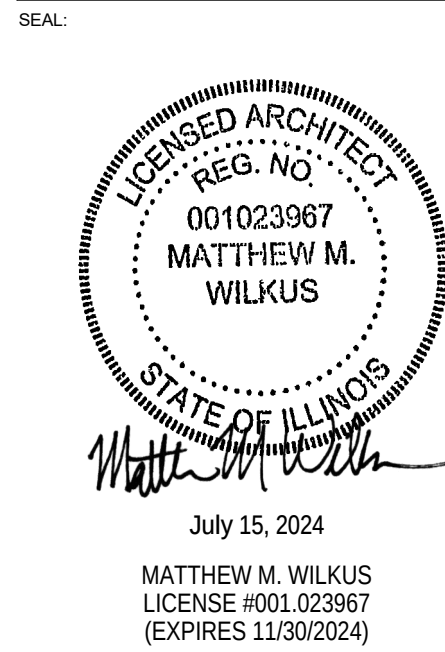


14 DETAIL @ SERVELINE SNEEZE GUARD
SCALE: 1 1/2" = 1'-0"



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PROJECT INFORMATION:

STORE NO.: 4915
"LAKE ZURICH"
442 S. RAND ROAD
LAKE ZURICH, IL 60047



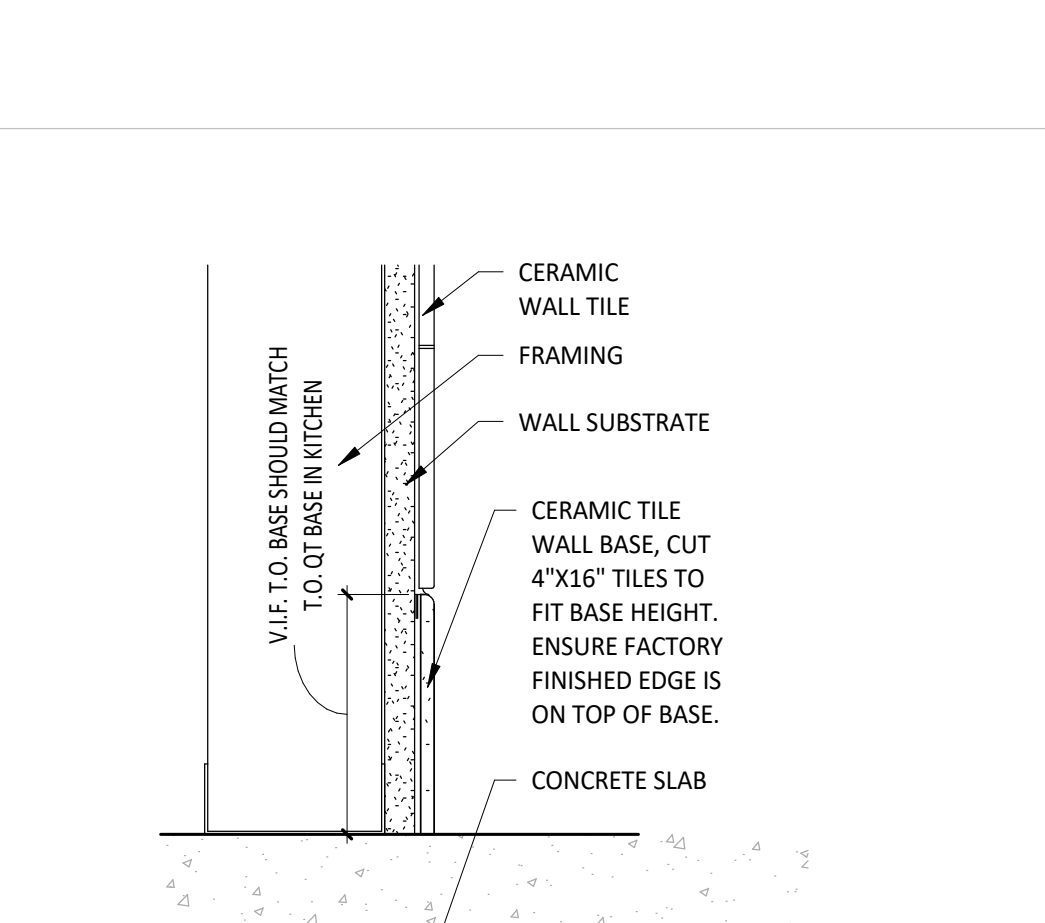
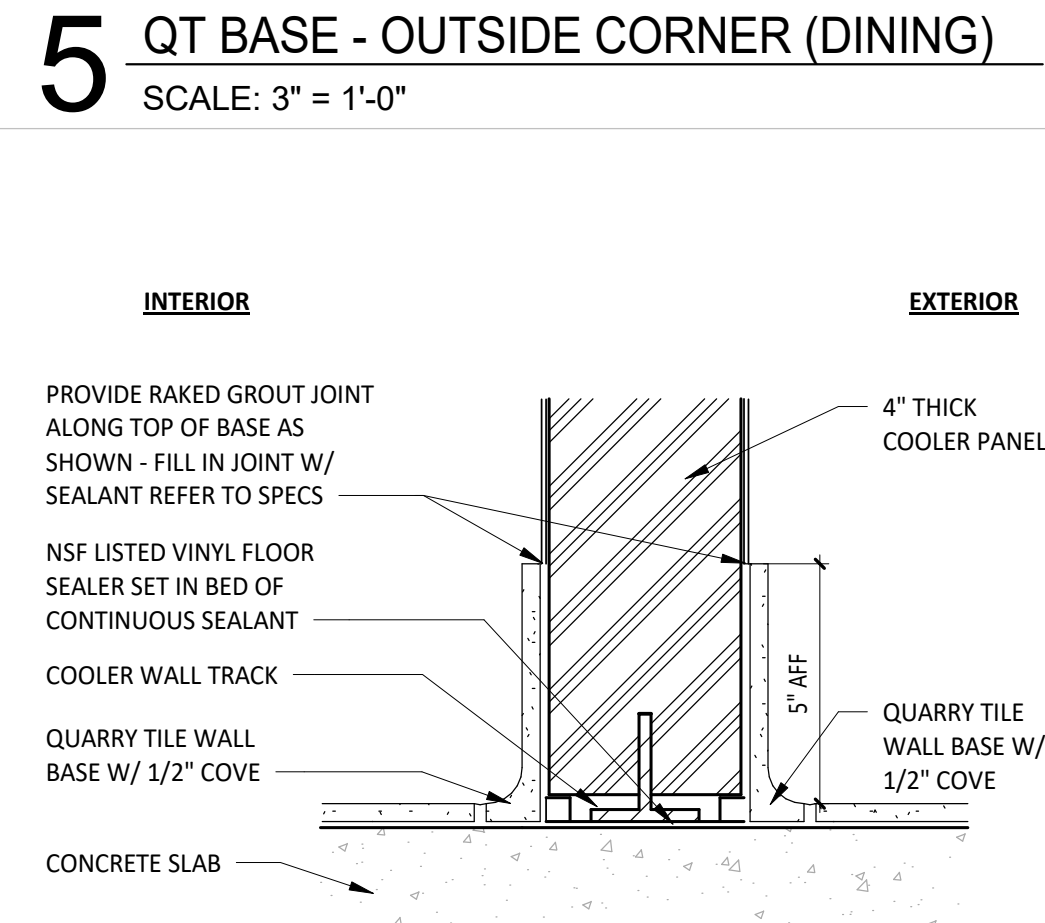
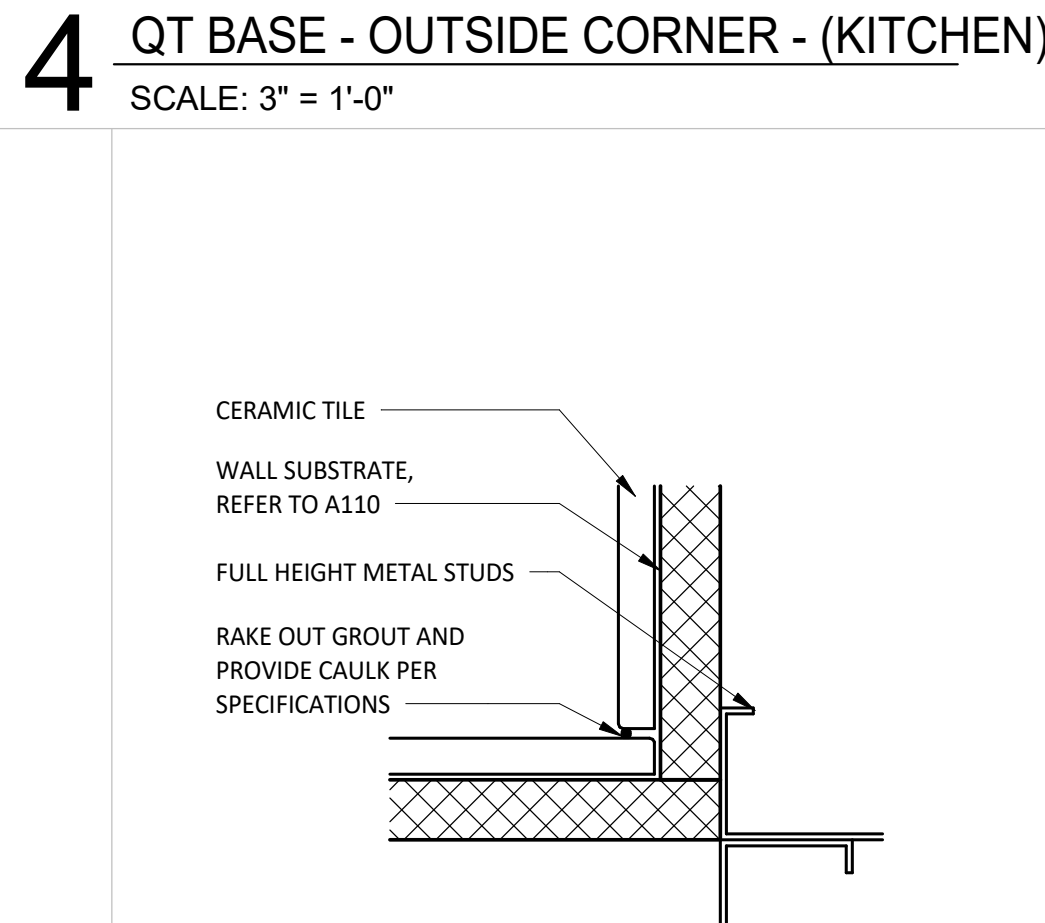
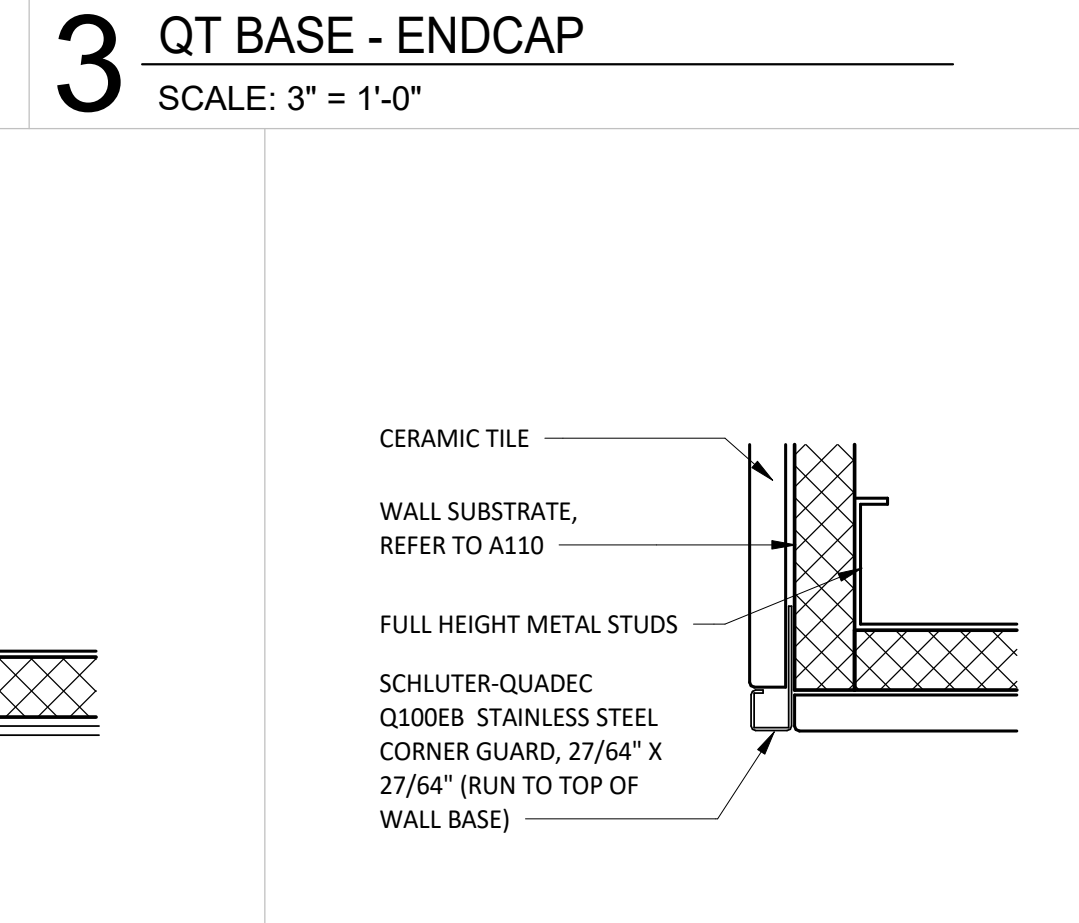
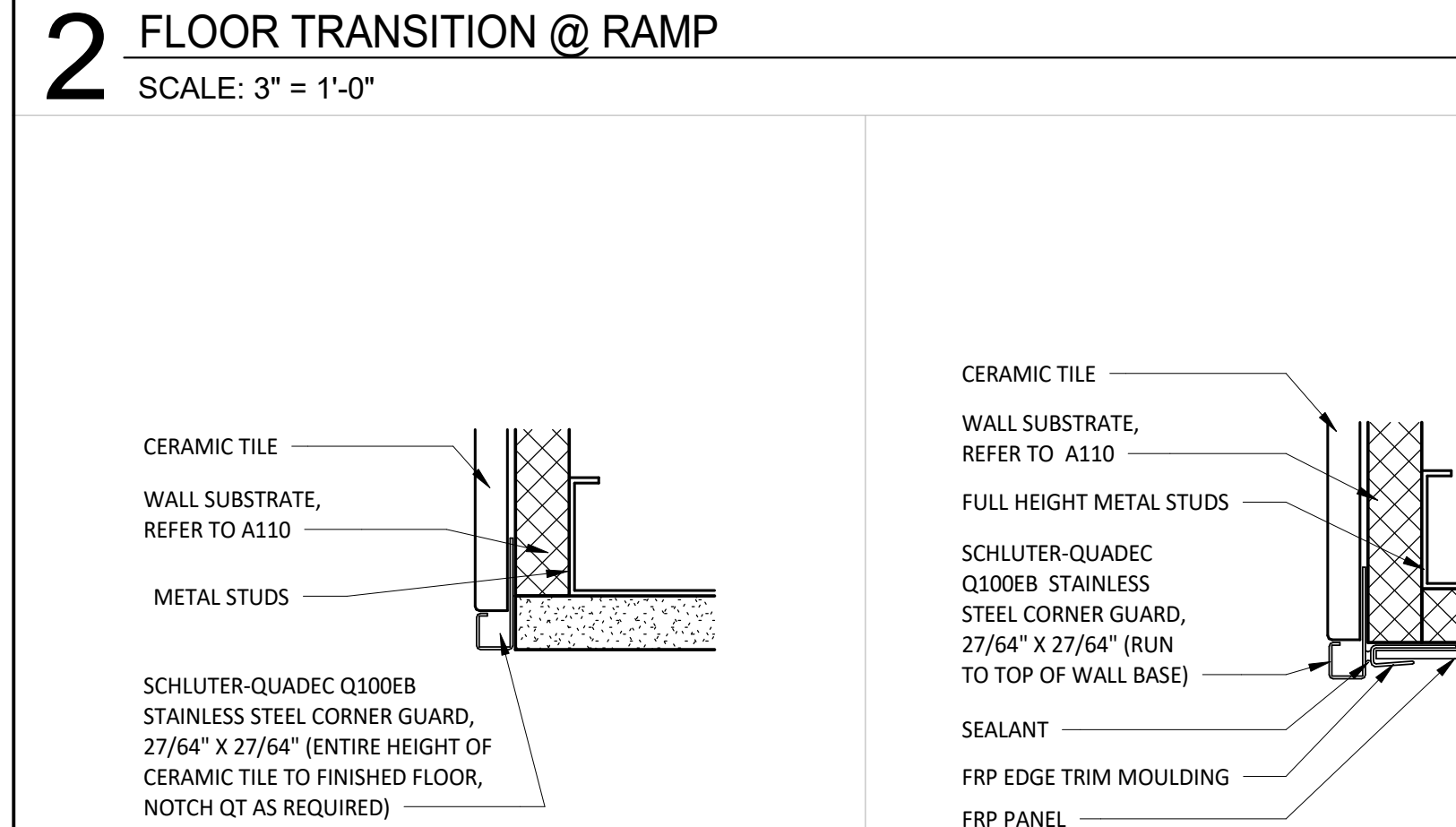
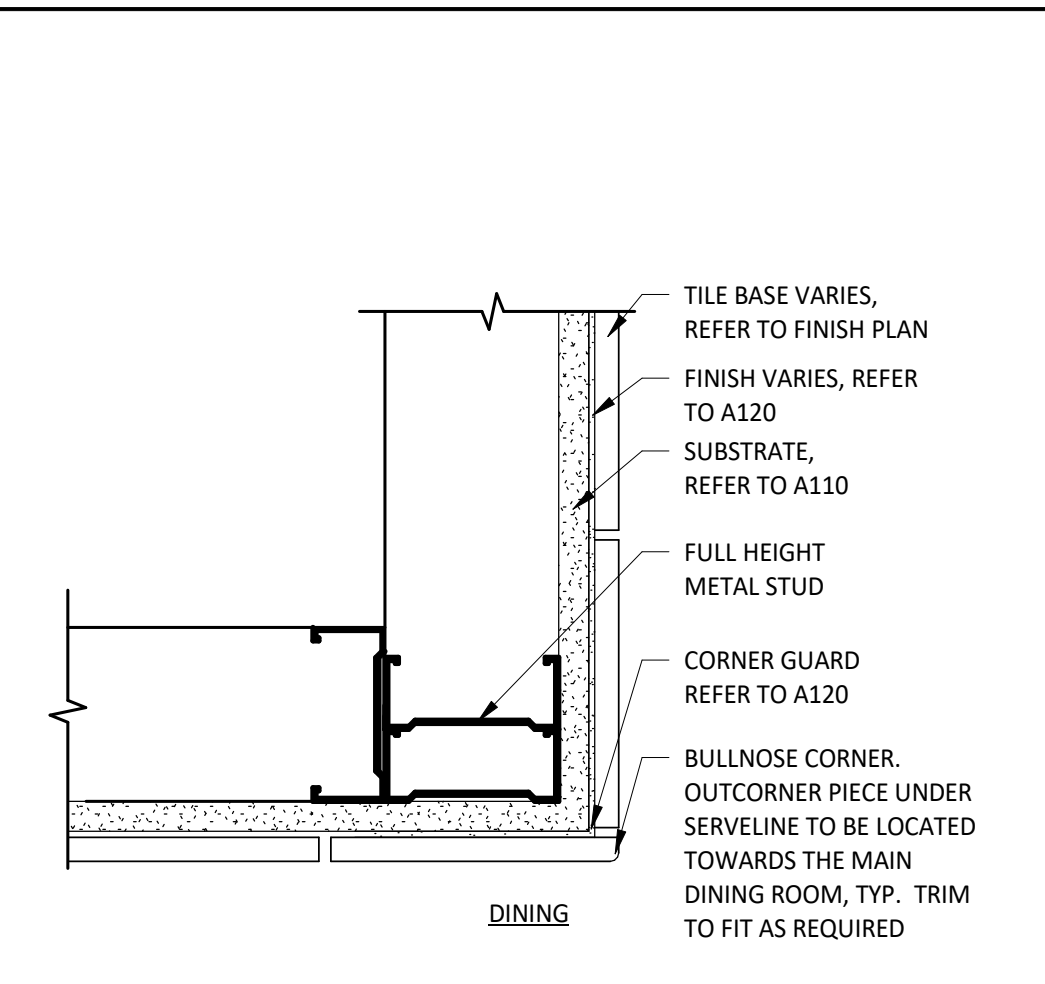
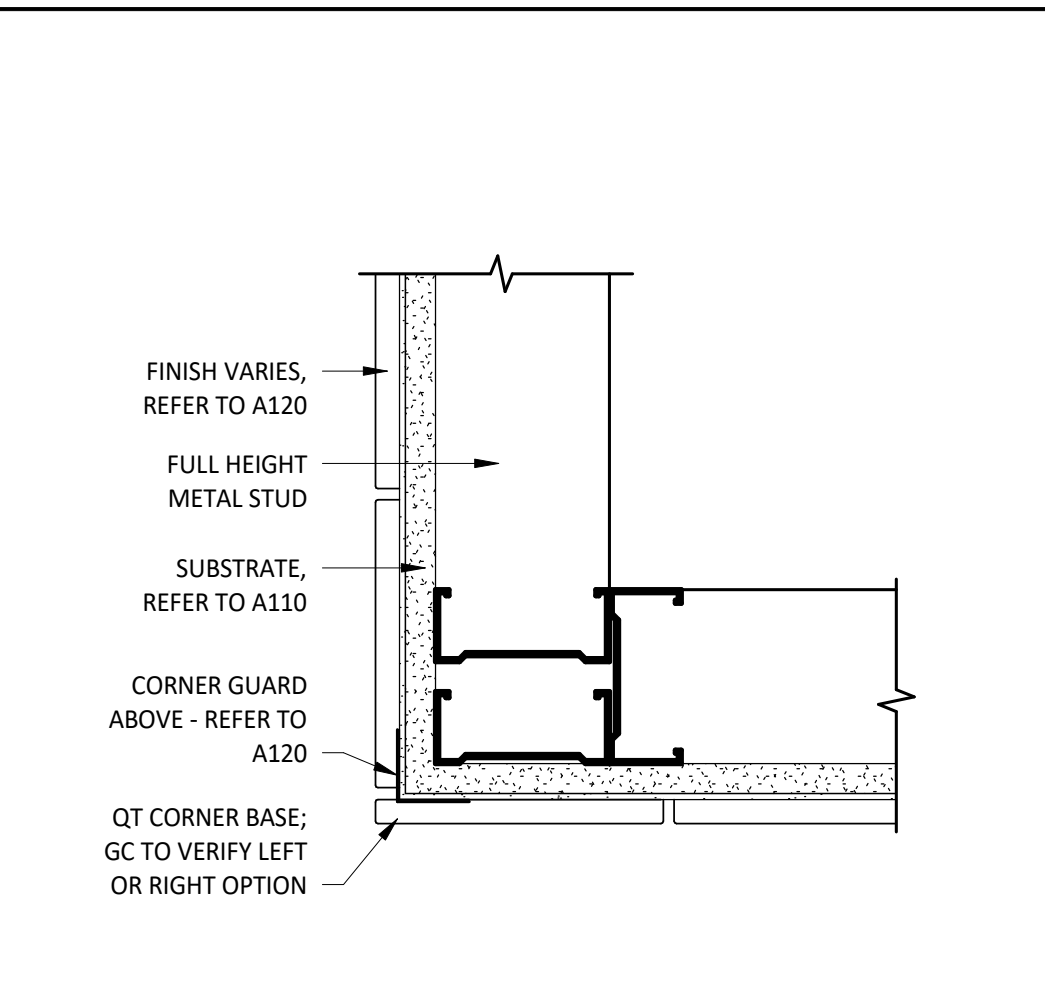
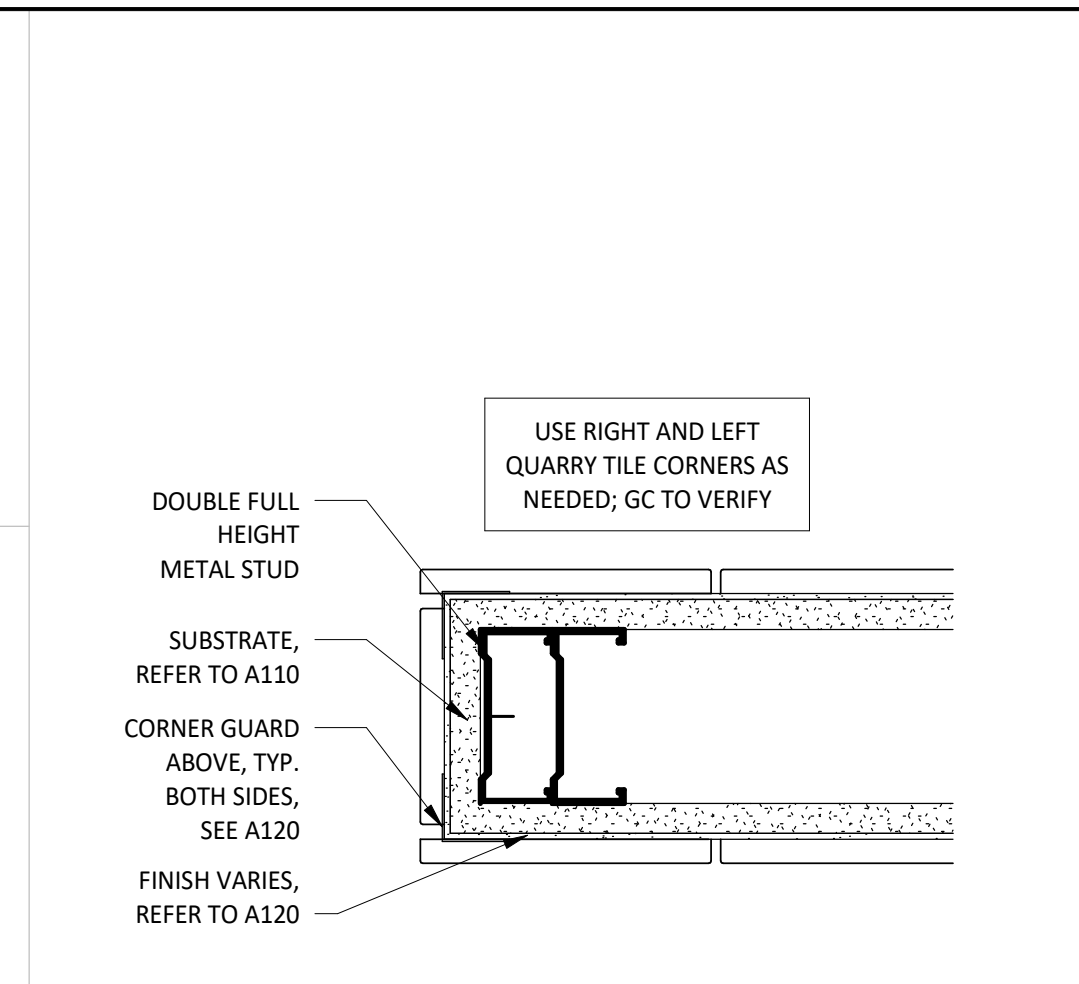
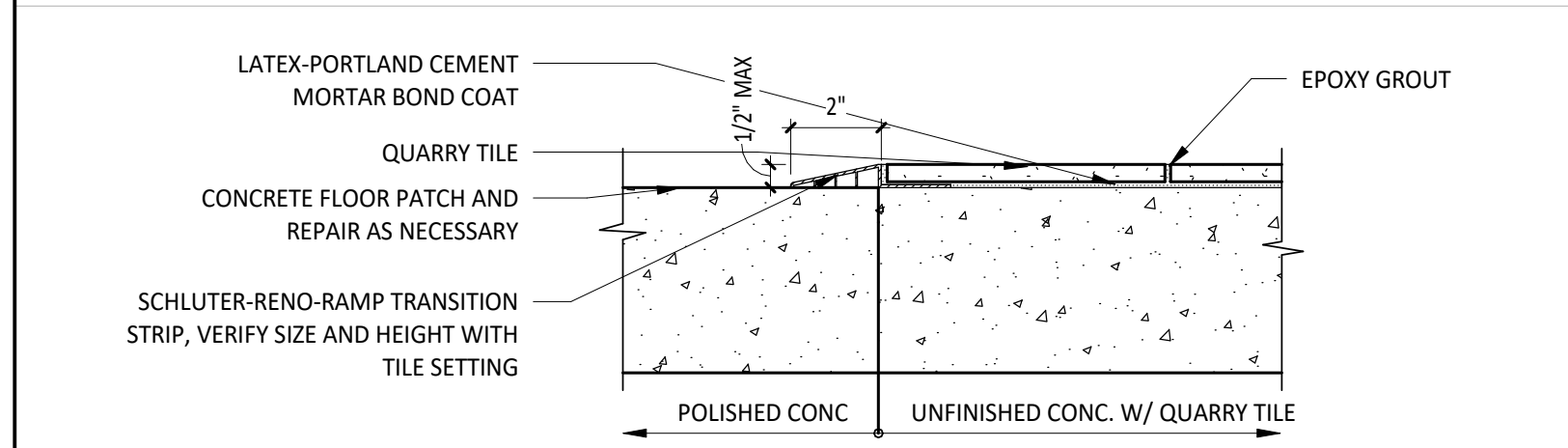
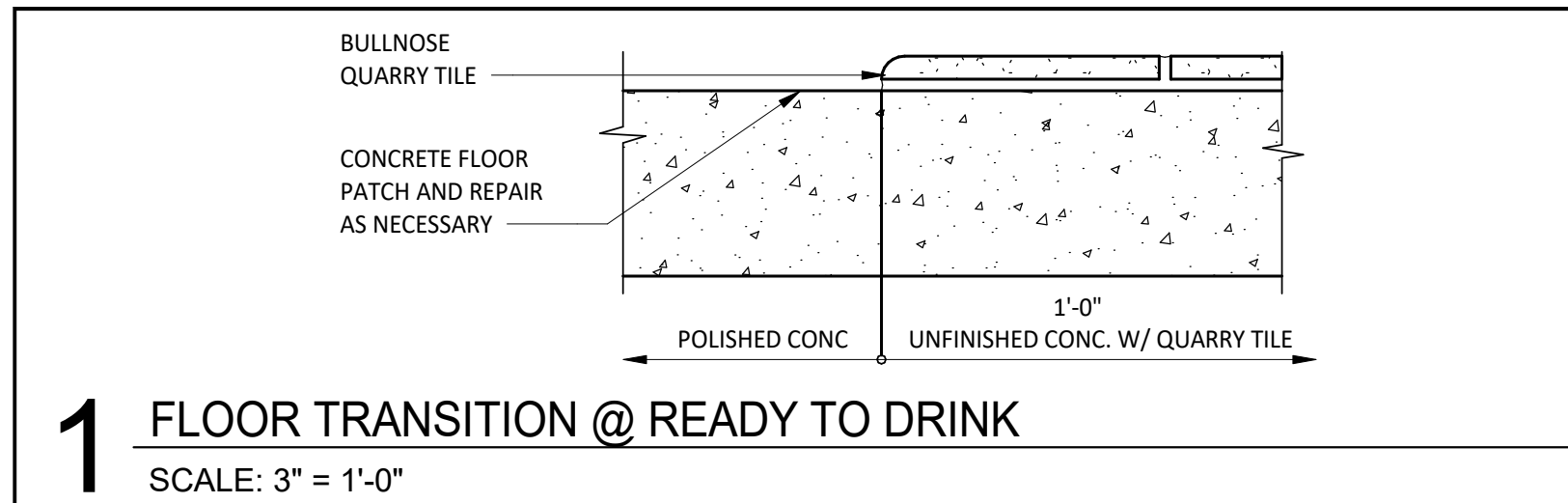
PROJECT NO. 2023-0056
DRAWN BY JSB
CHECKED BY DVA

ISSUE RECORD:
01/11/2024 PERMIT SET
06/12/2024 BID SET
07/01/2024 CONSTRUCTION SET

REVISIONS:
2 06/12/2024 BID SET

TITLE:
FINISH DETAILS -
GENERAL

SHEET NUMBER:
A801



CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

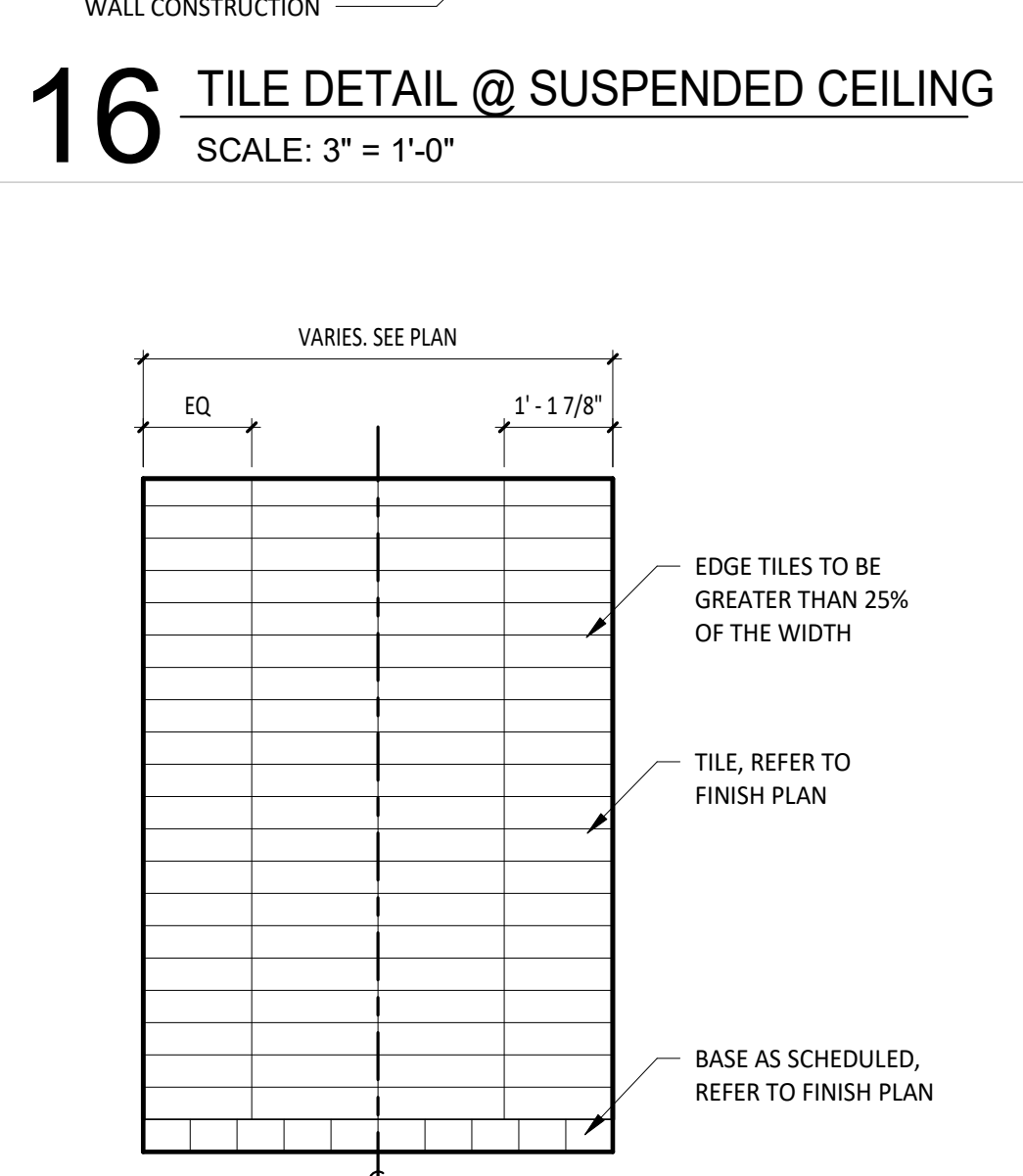
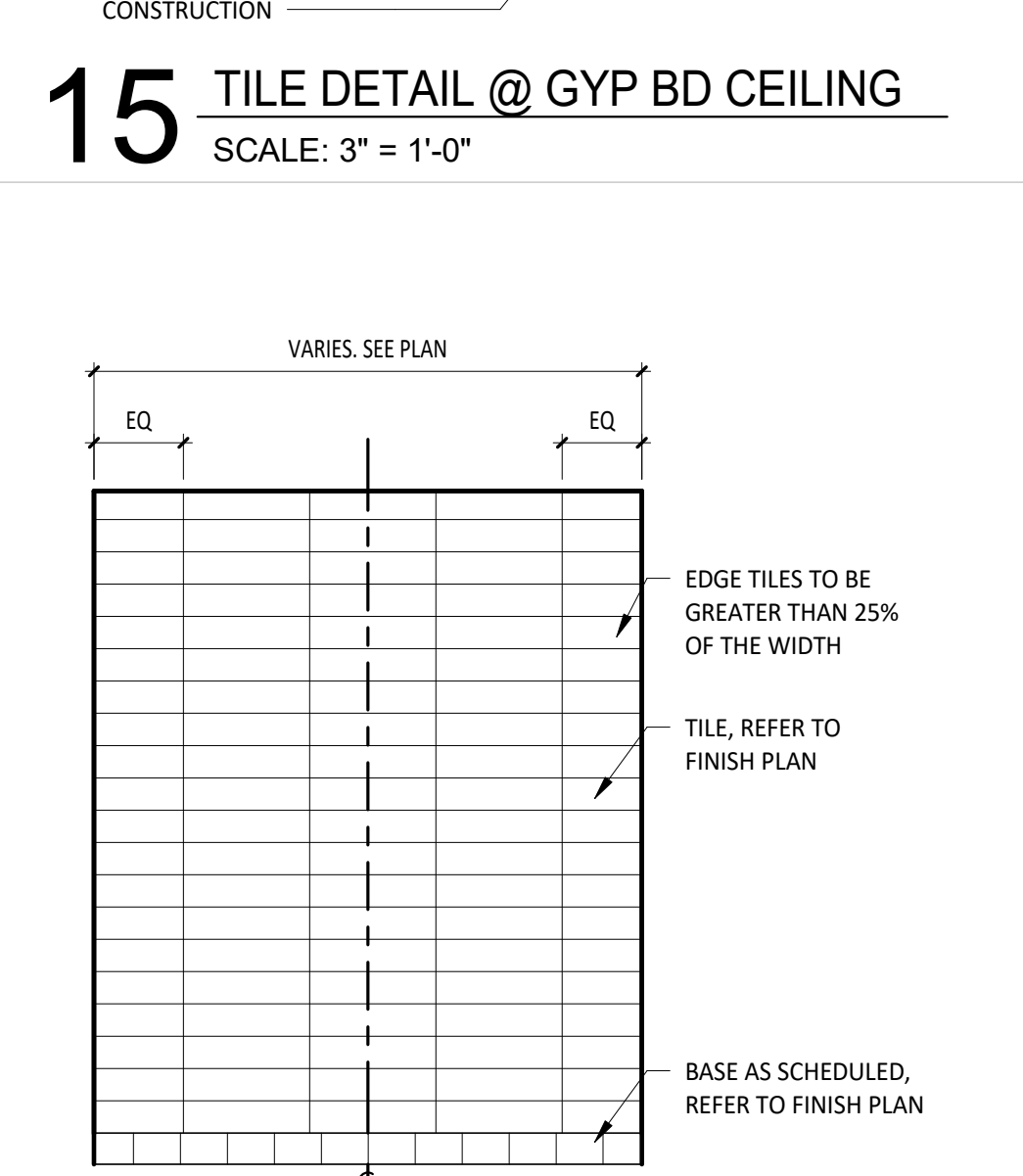
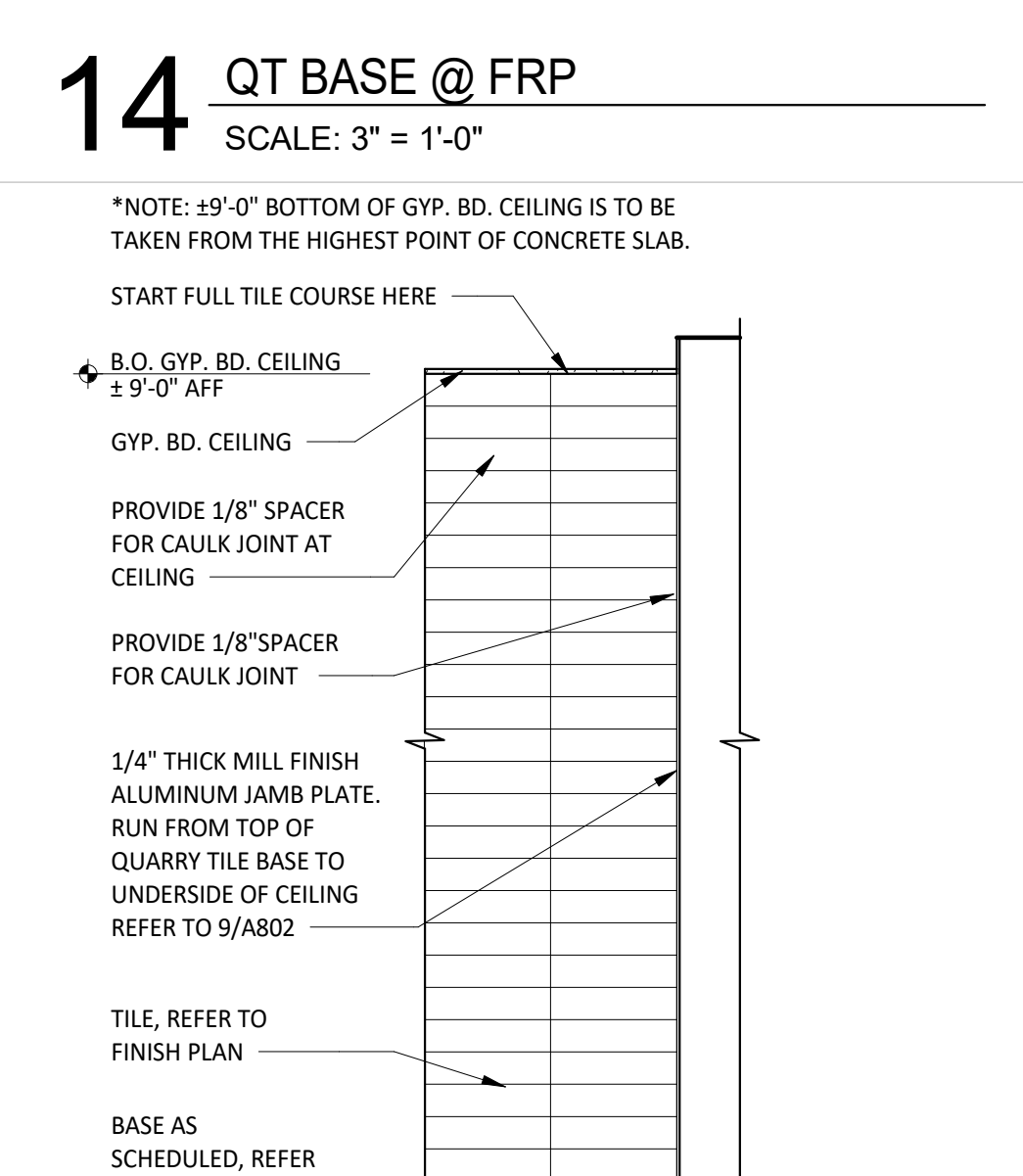
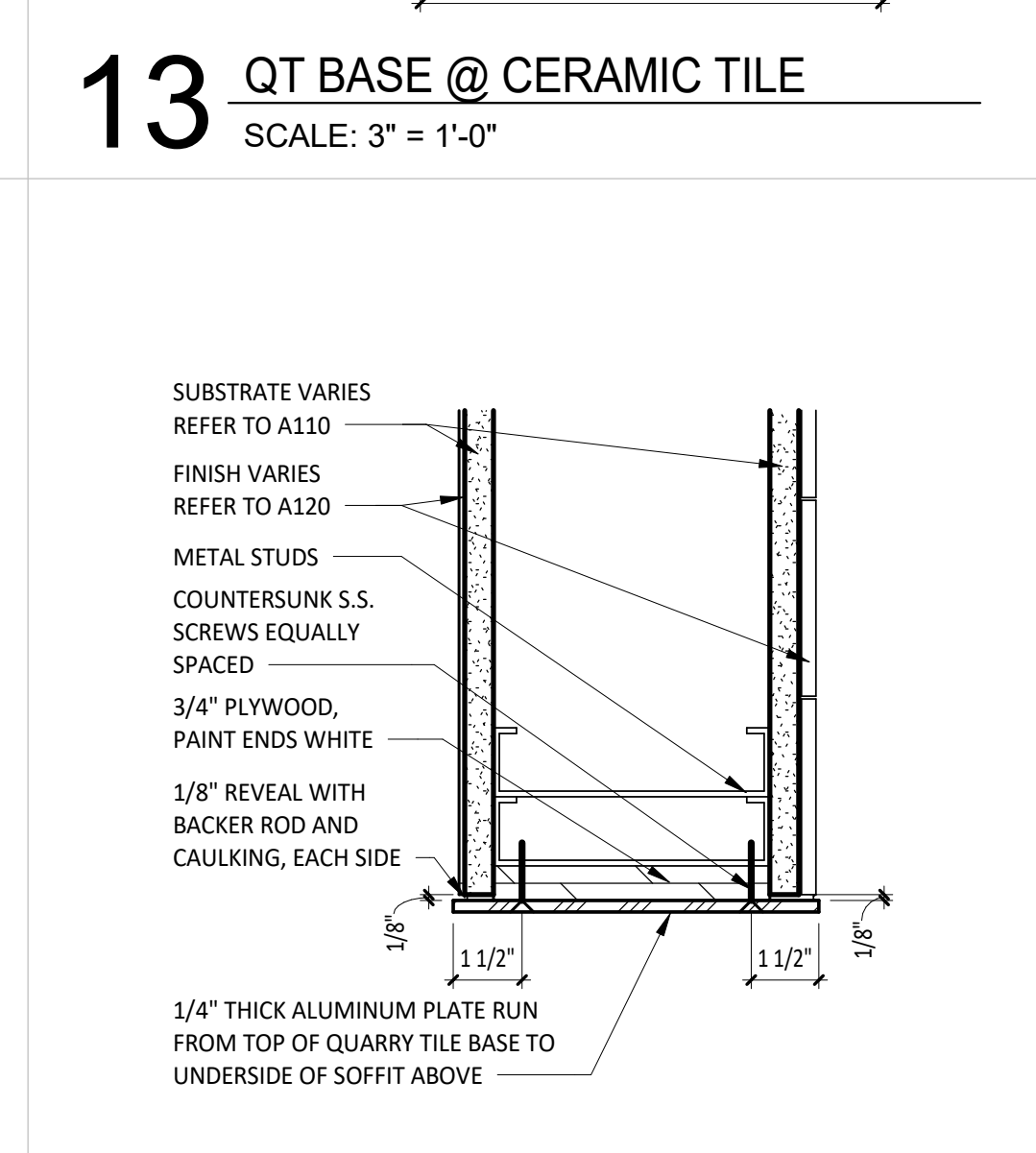
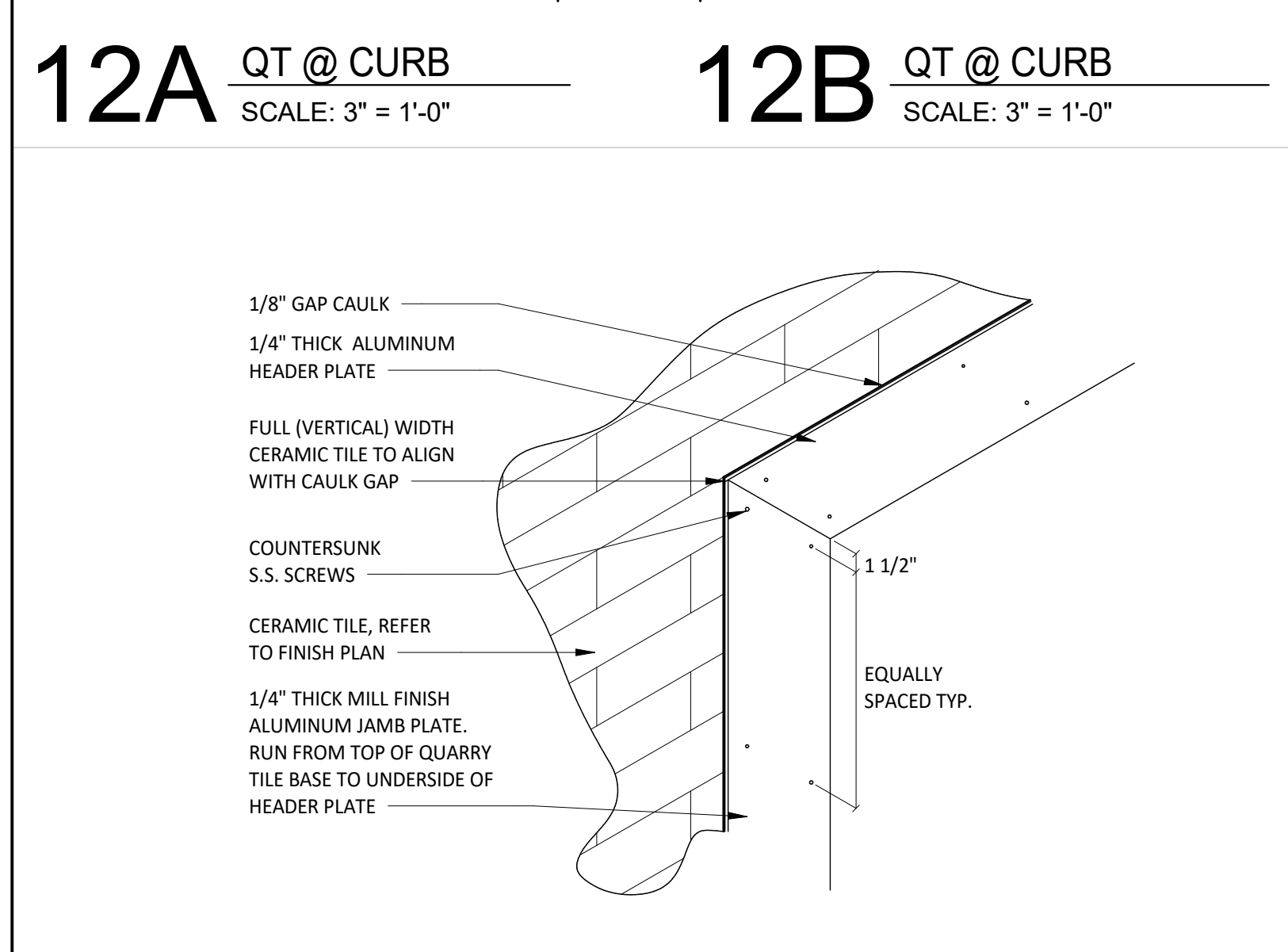
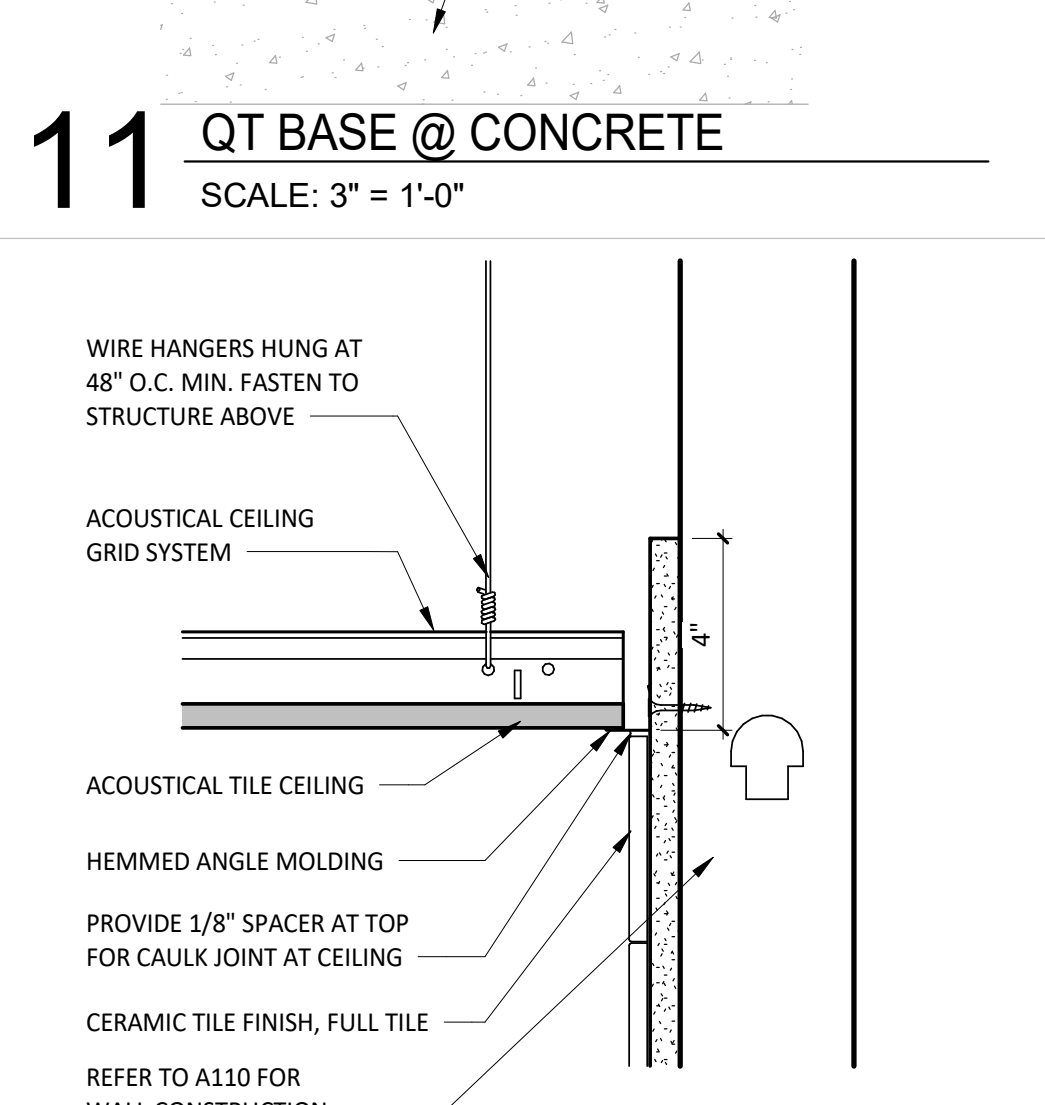
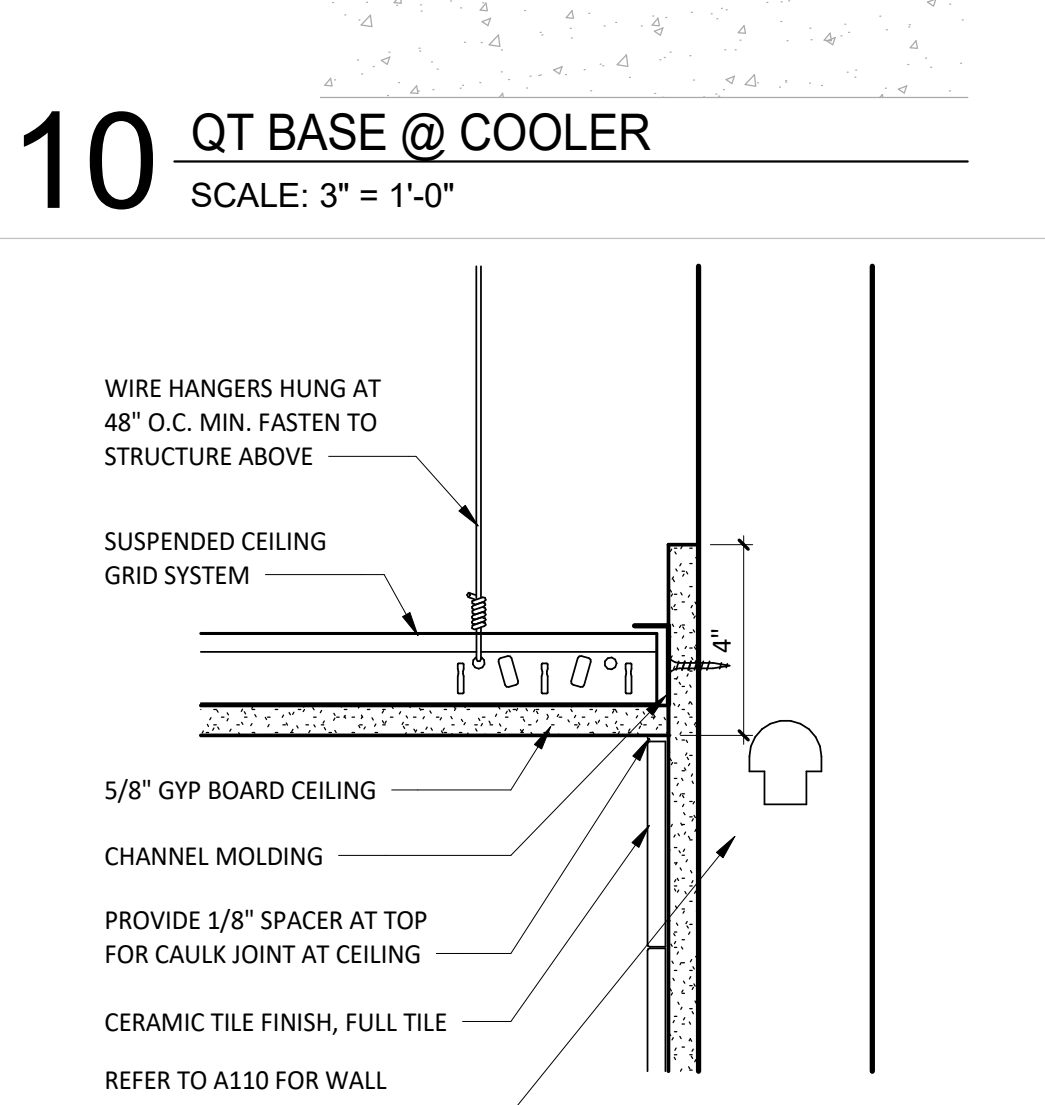
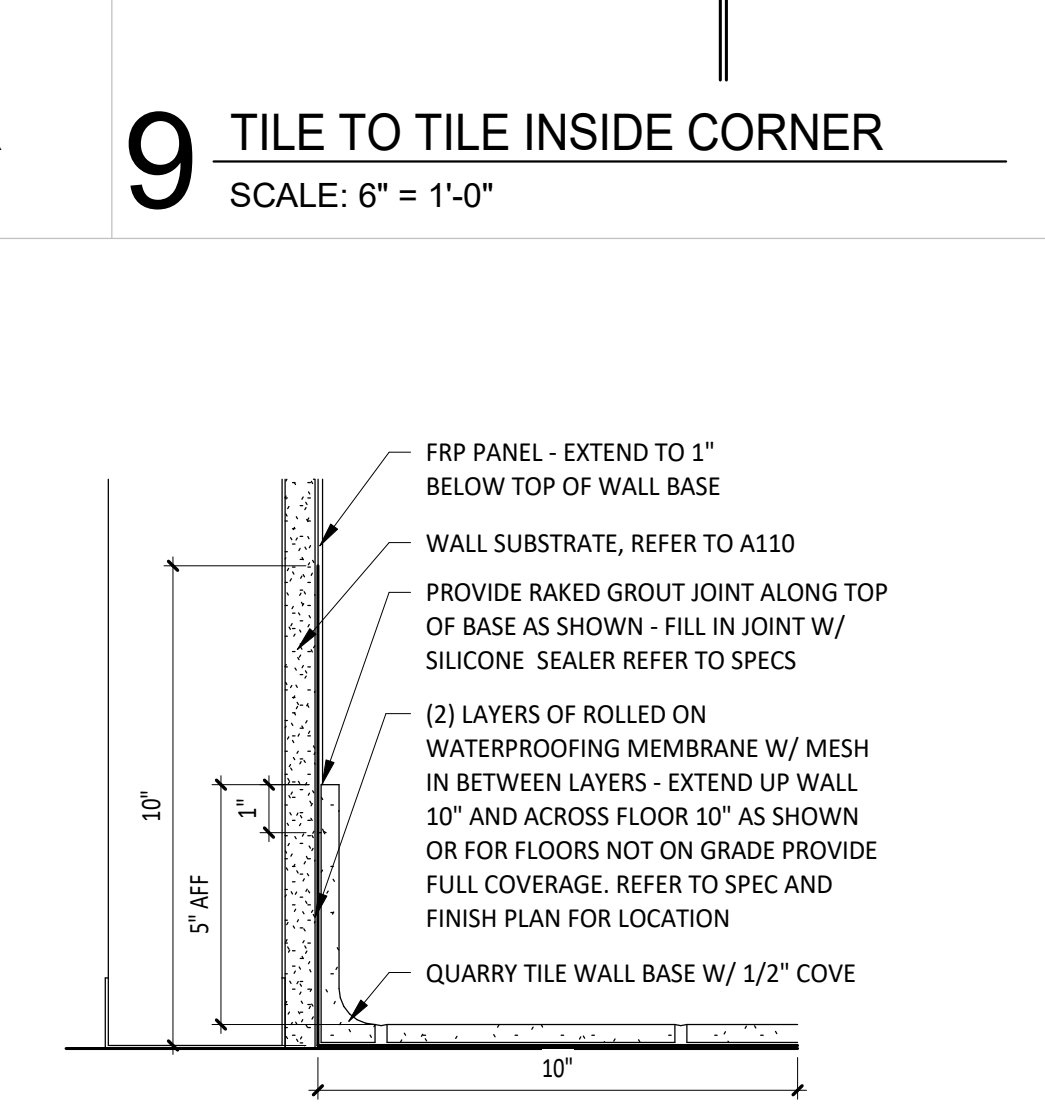
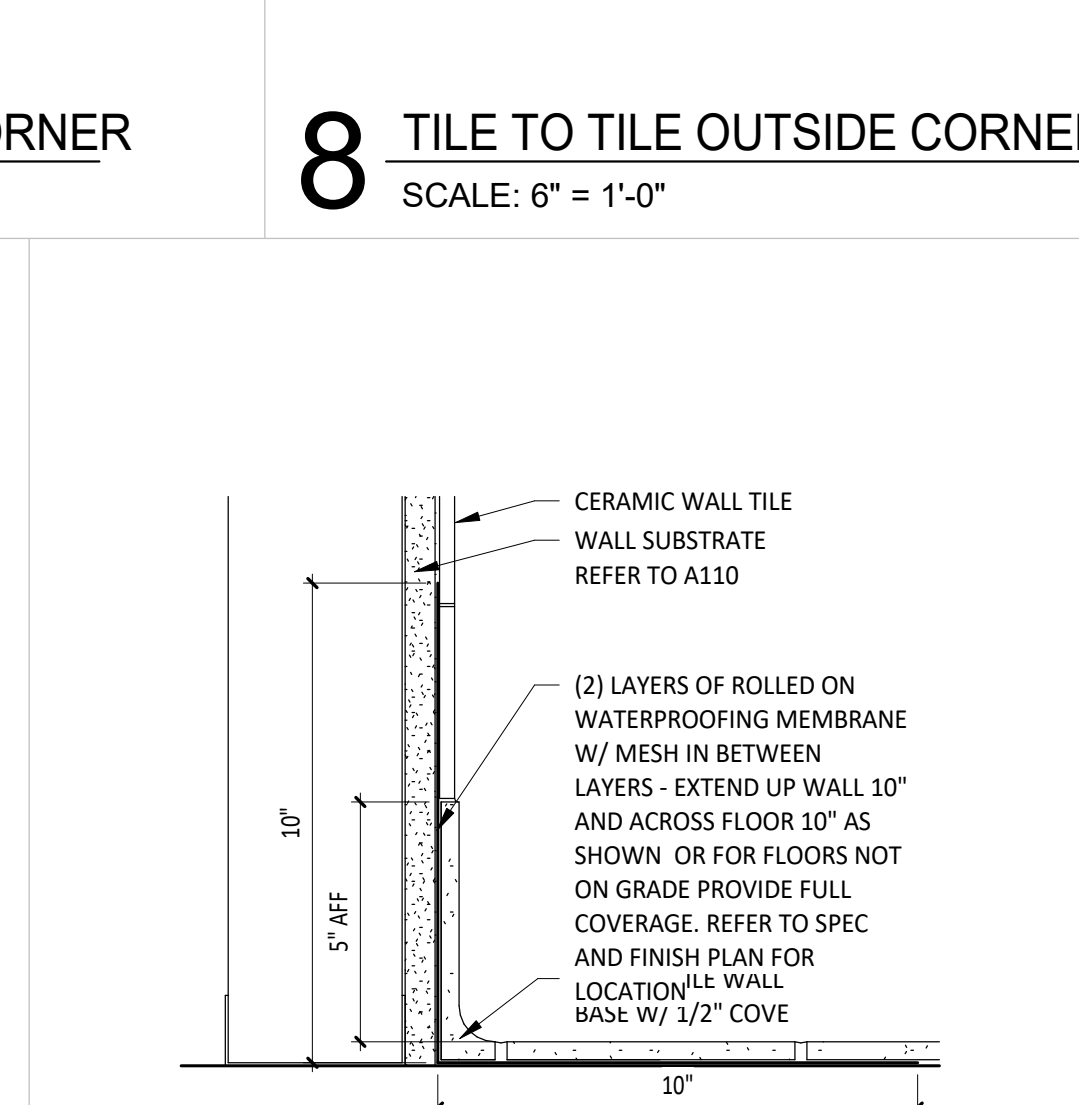
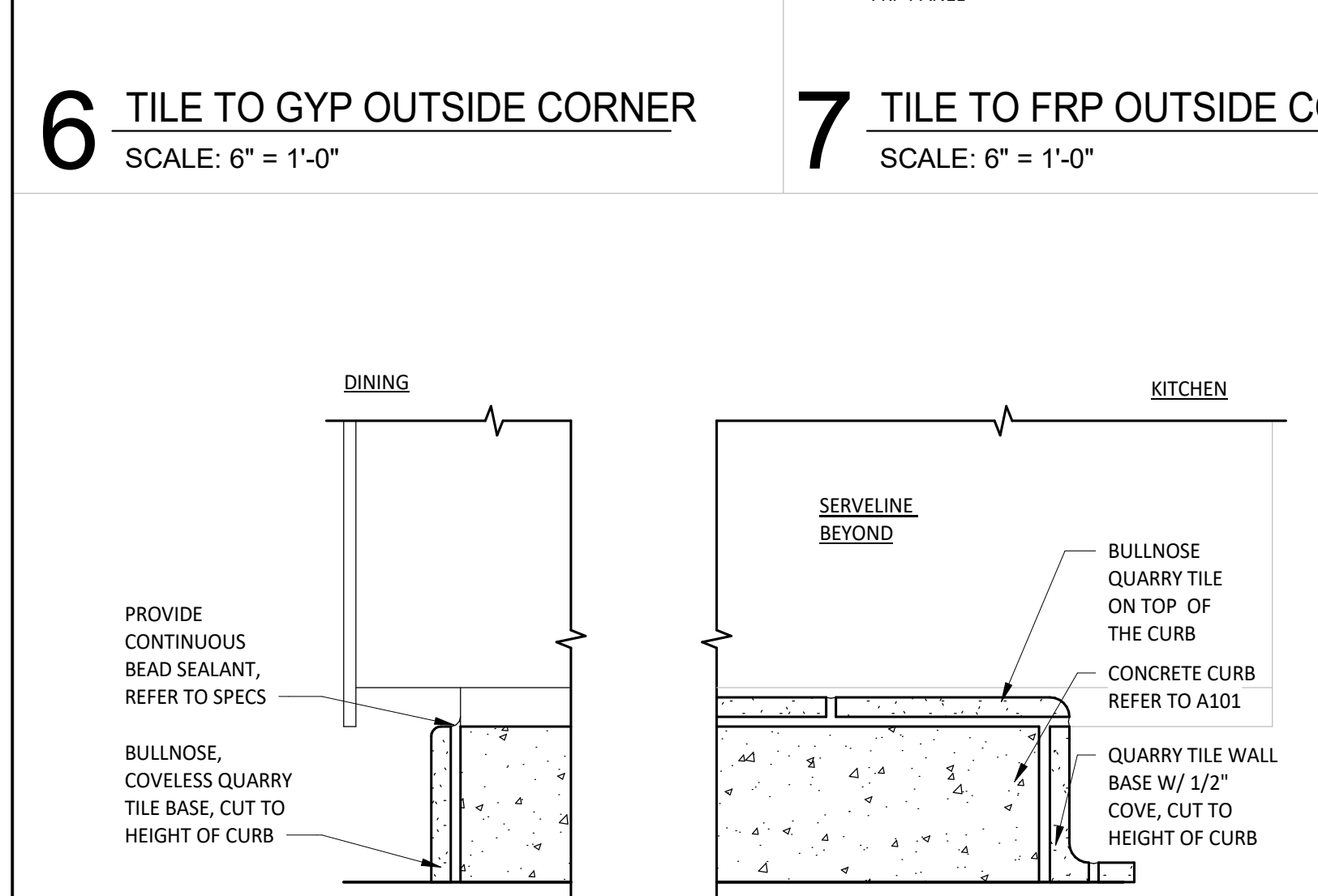
CHIPOTLE MEXICAN GRILL

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

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PROJECT INFORMATION:

STORE NO.: 4915
"LAKE ZURICH"
442 S. RAND ROAD
LAKE ZURICH, IL 60047



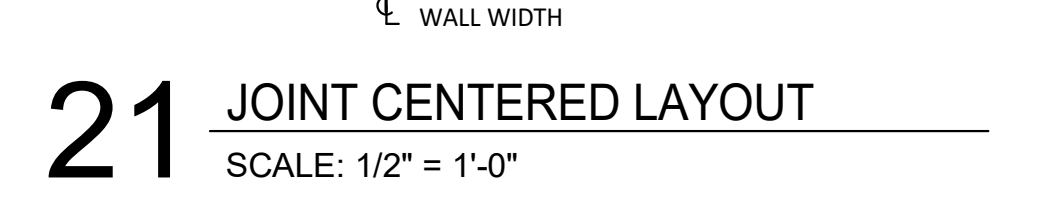
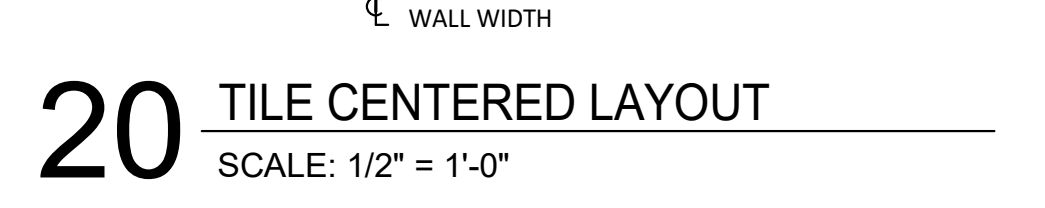
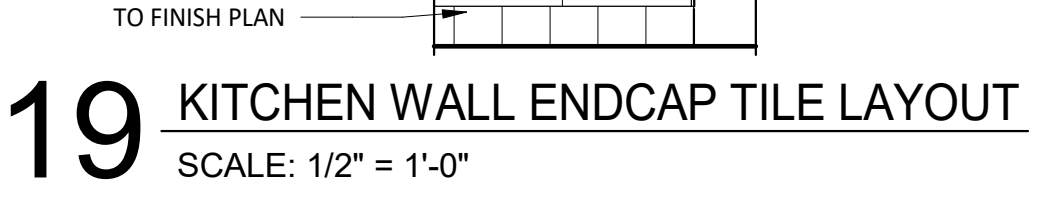
PROJECT NO. 2023-0056
DRAWN BY JSB
CHECKED BY DVA

ISSUE RECORD:
01/11/2024 PERMIT SET
06/12/2024 BID SET
07/01/2024 CONSTRUCTION SET

REVISIONS:

TITLE:
FINISH DETAILS - TILE

SHEET NUMBER:
A802



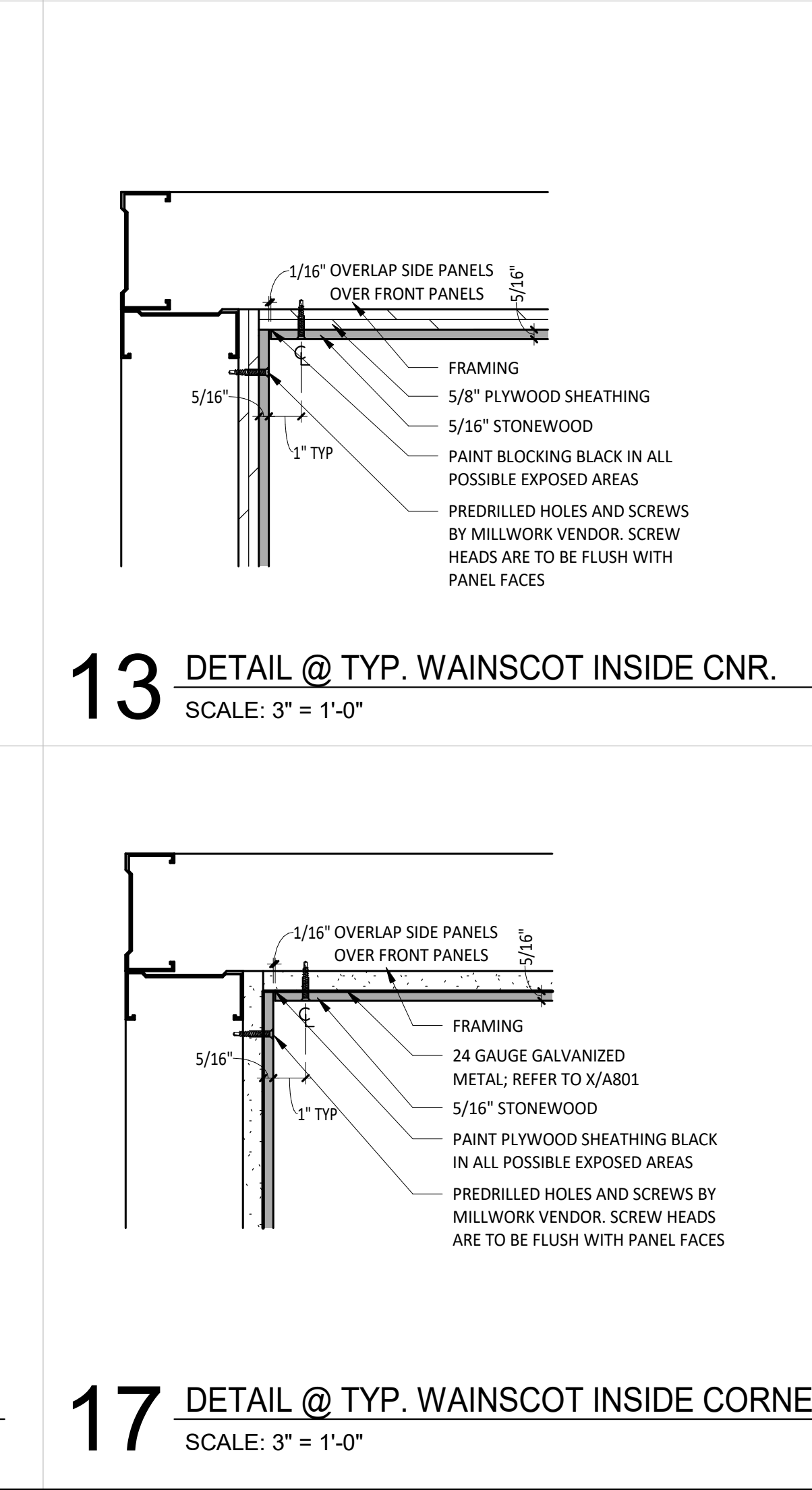
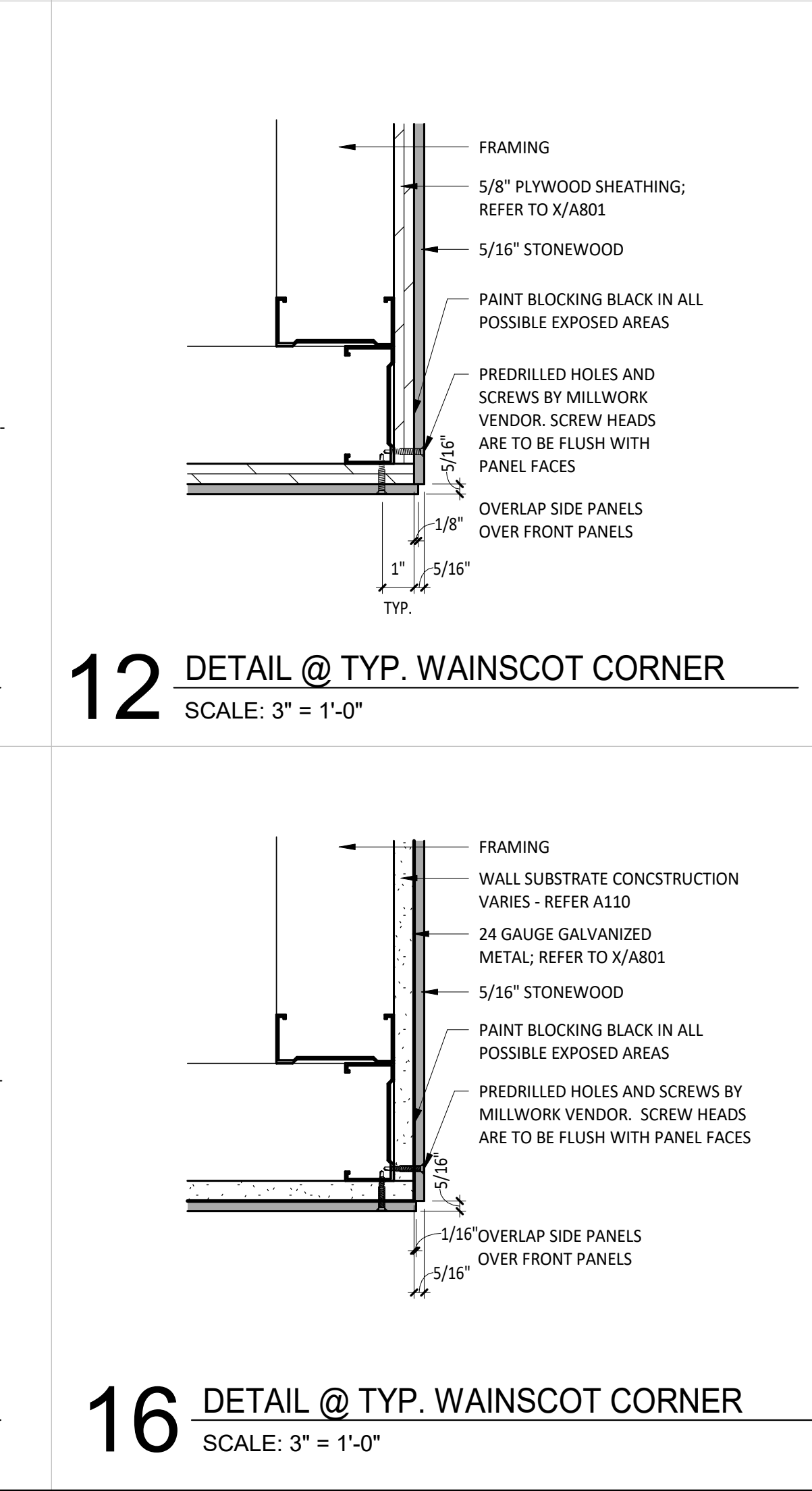
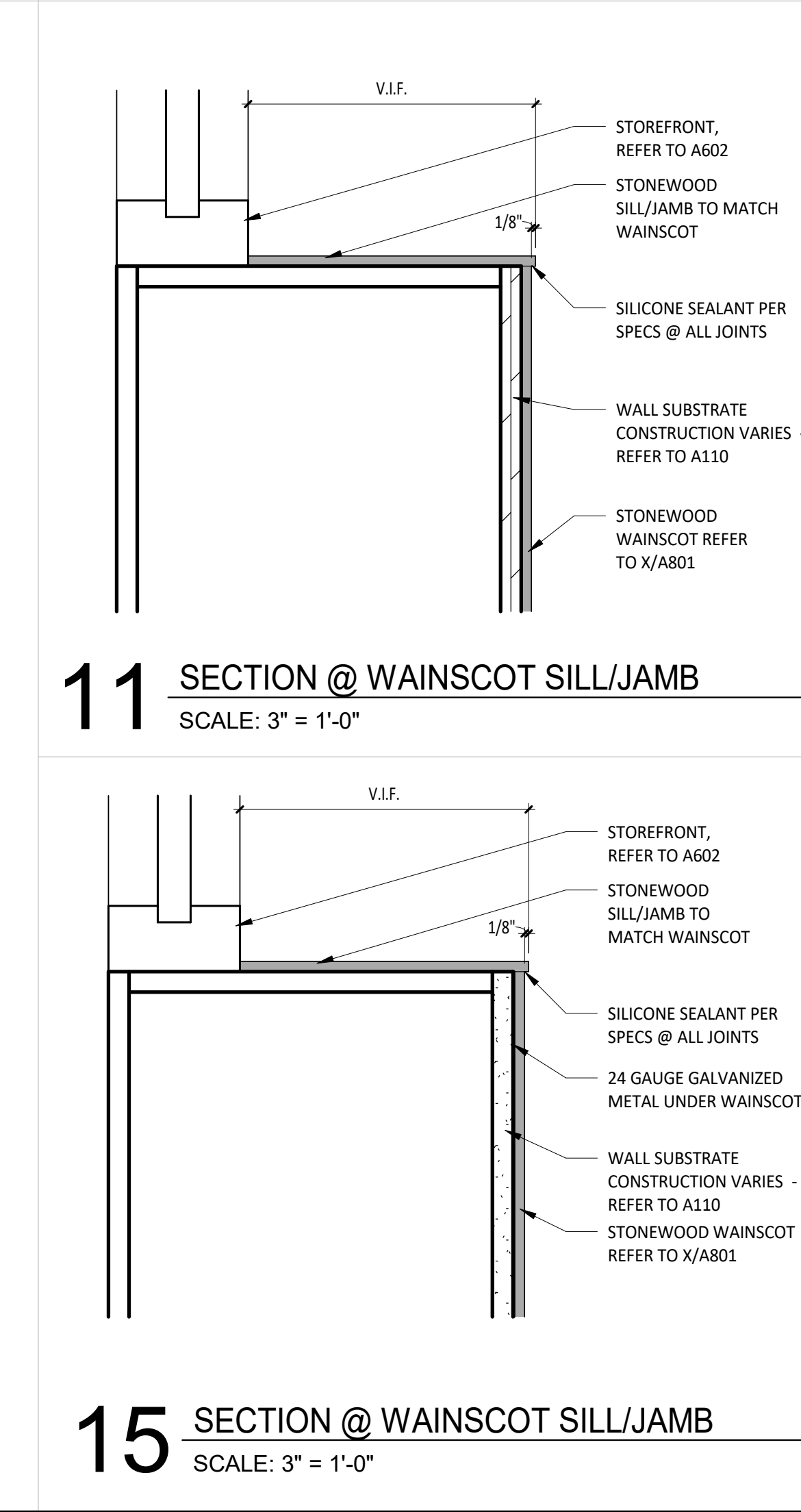
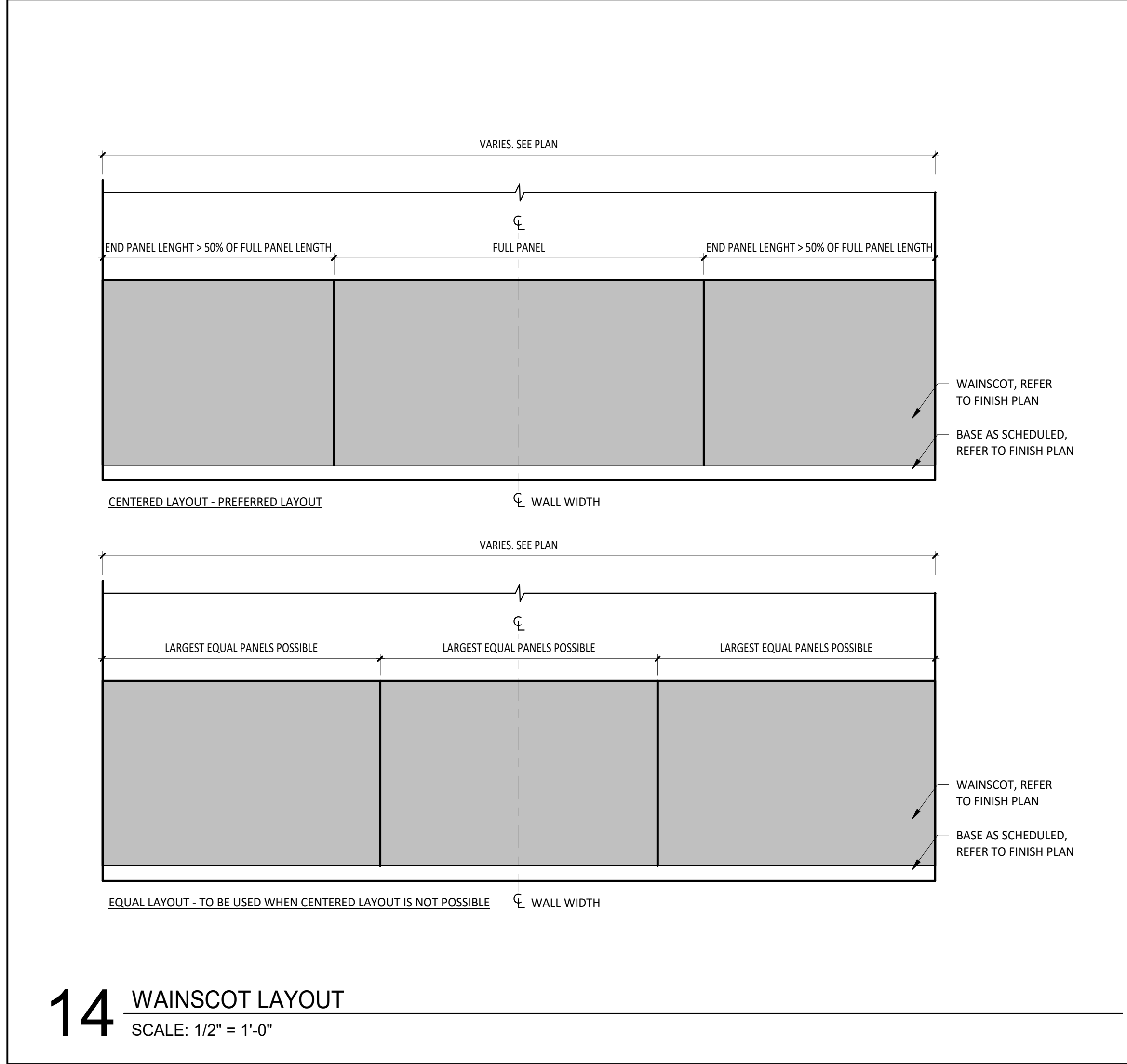
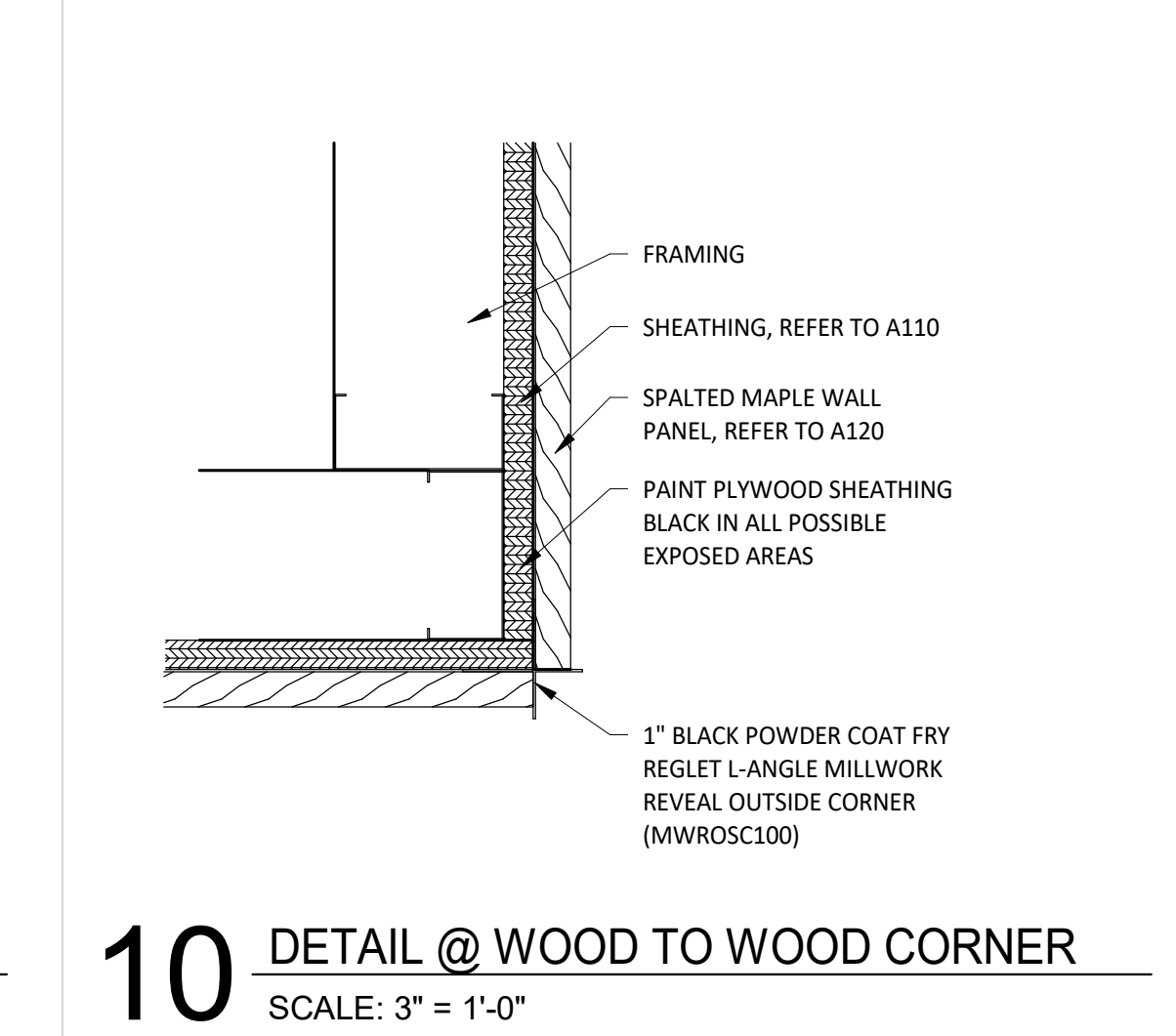
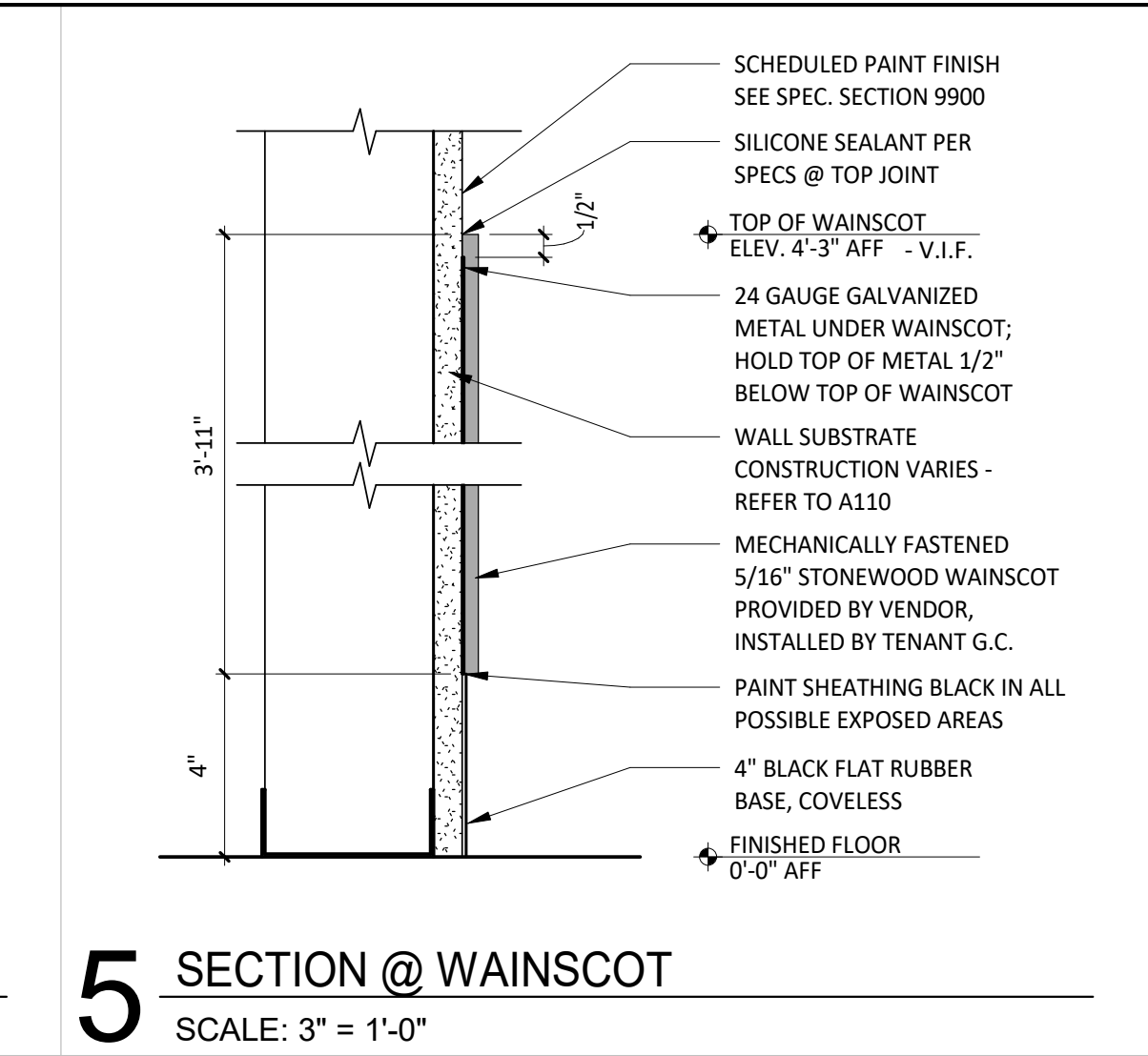
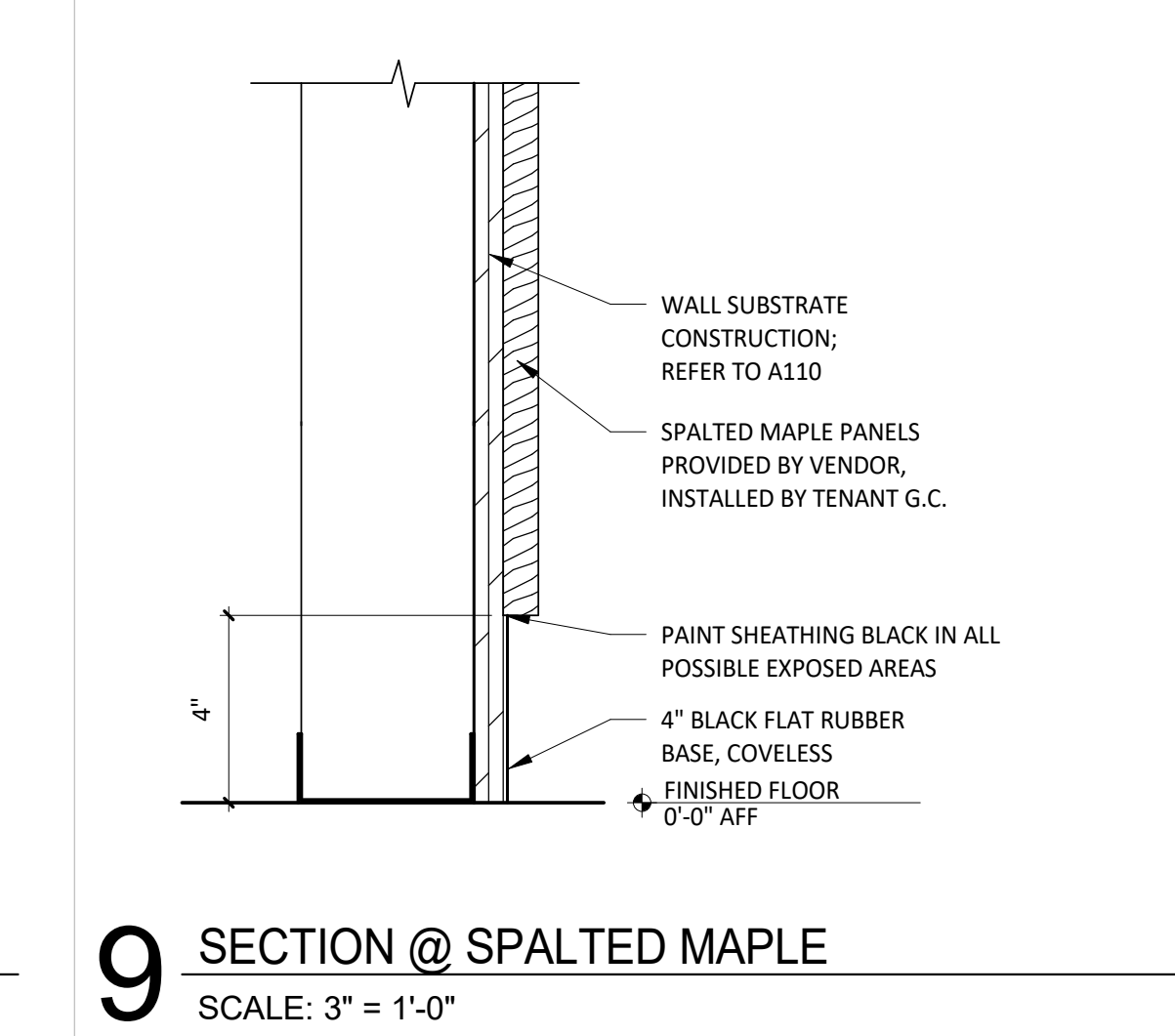
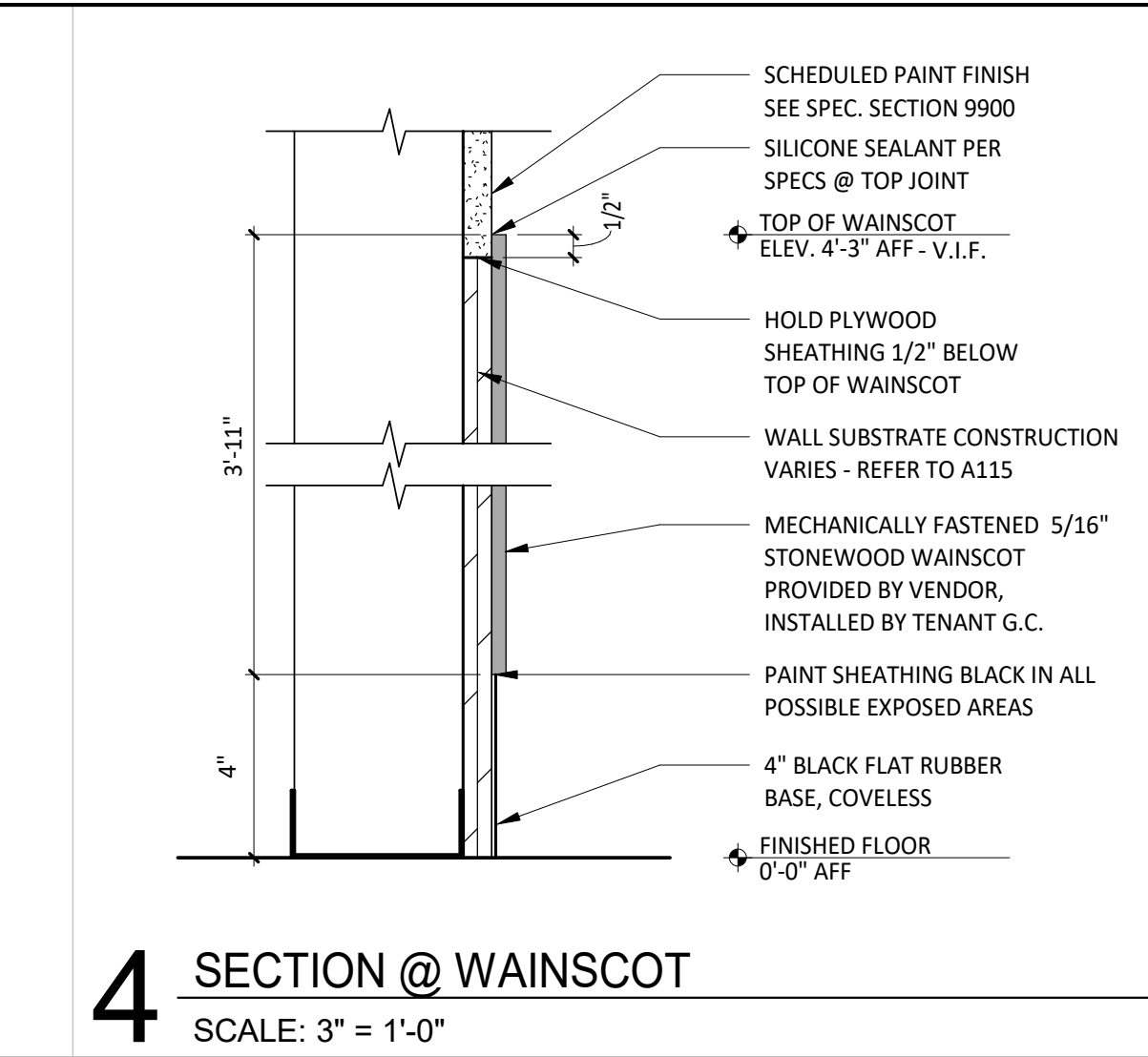
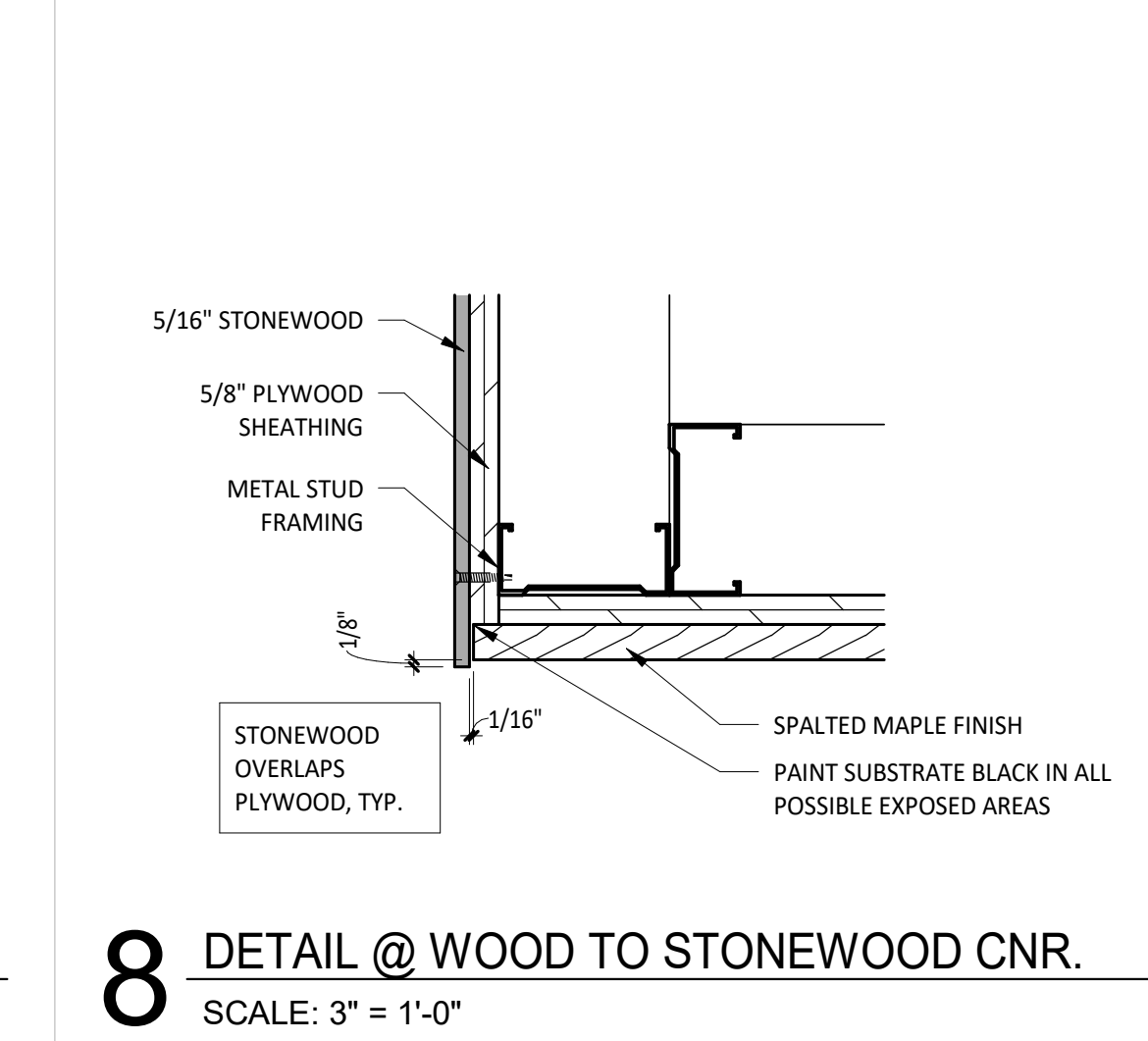
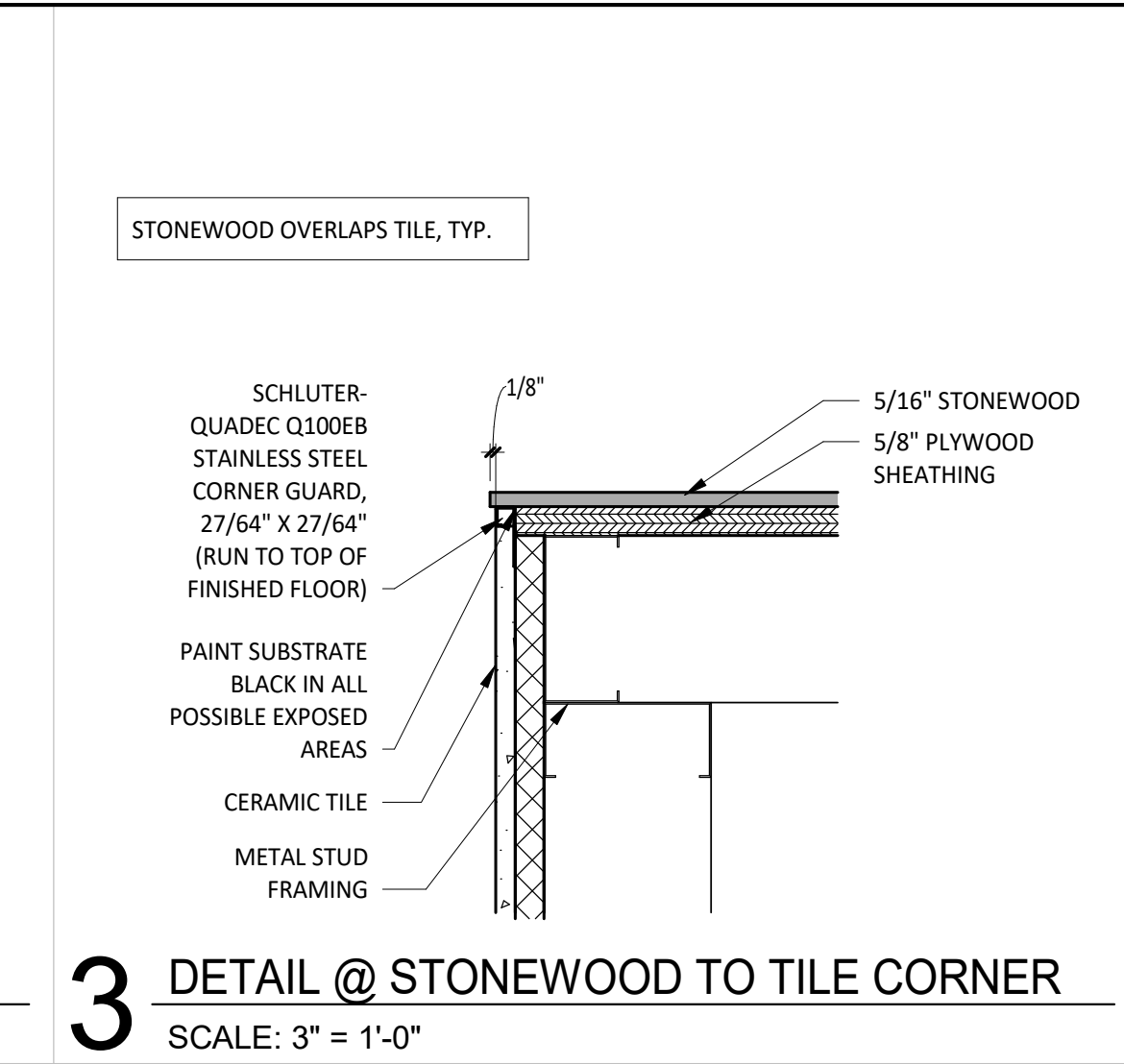
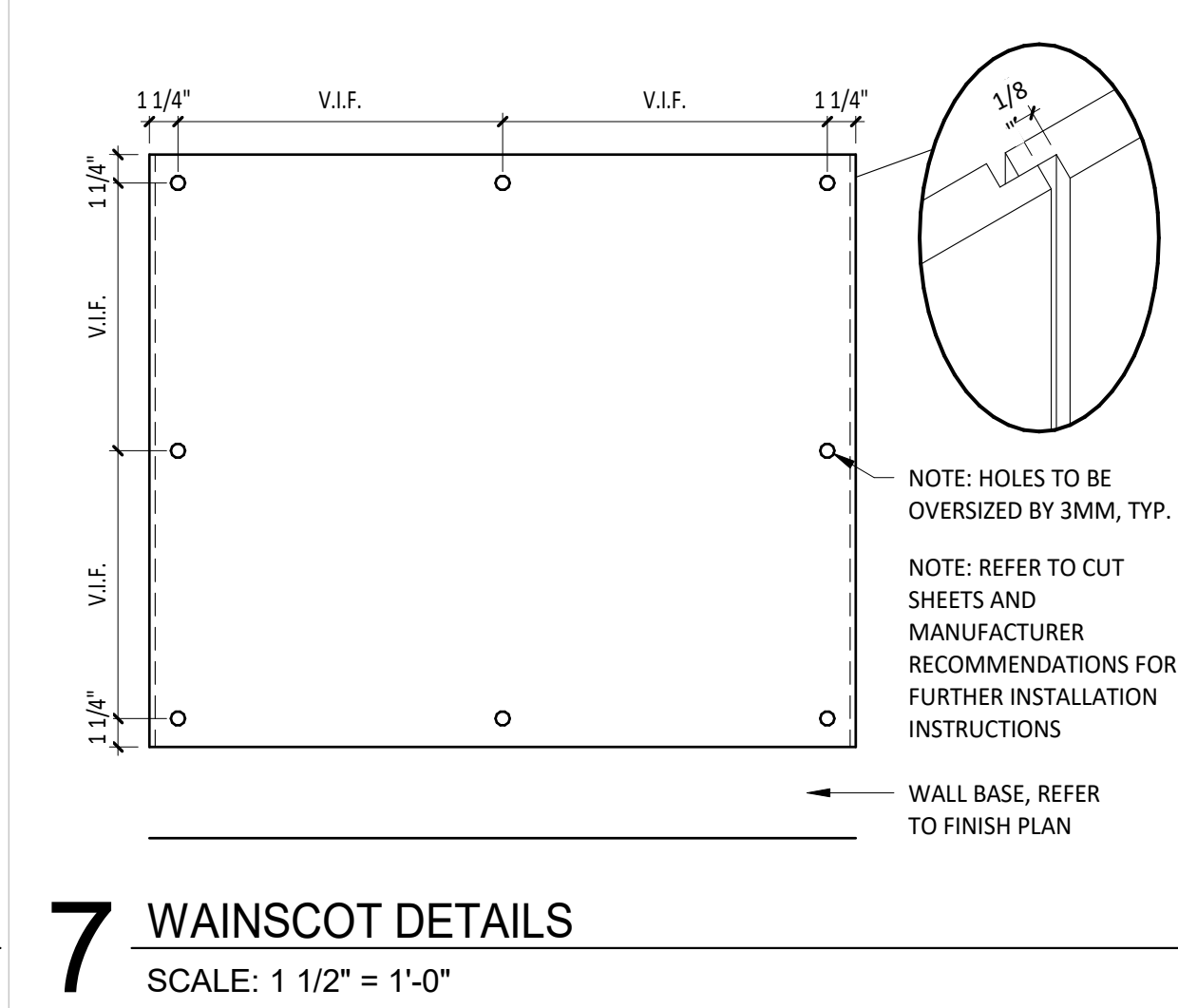
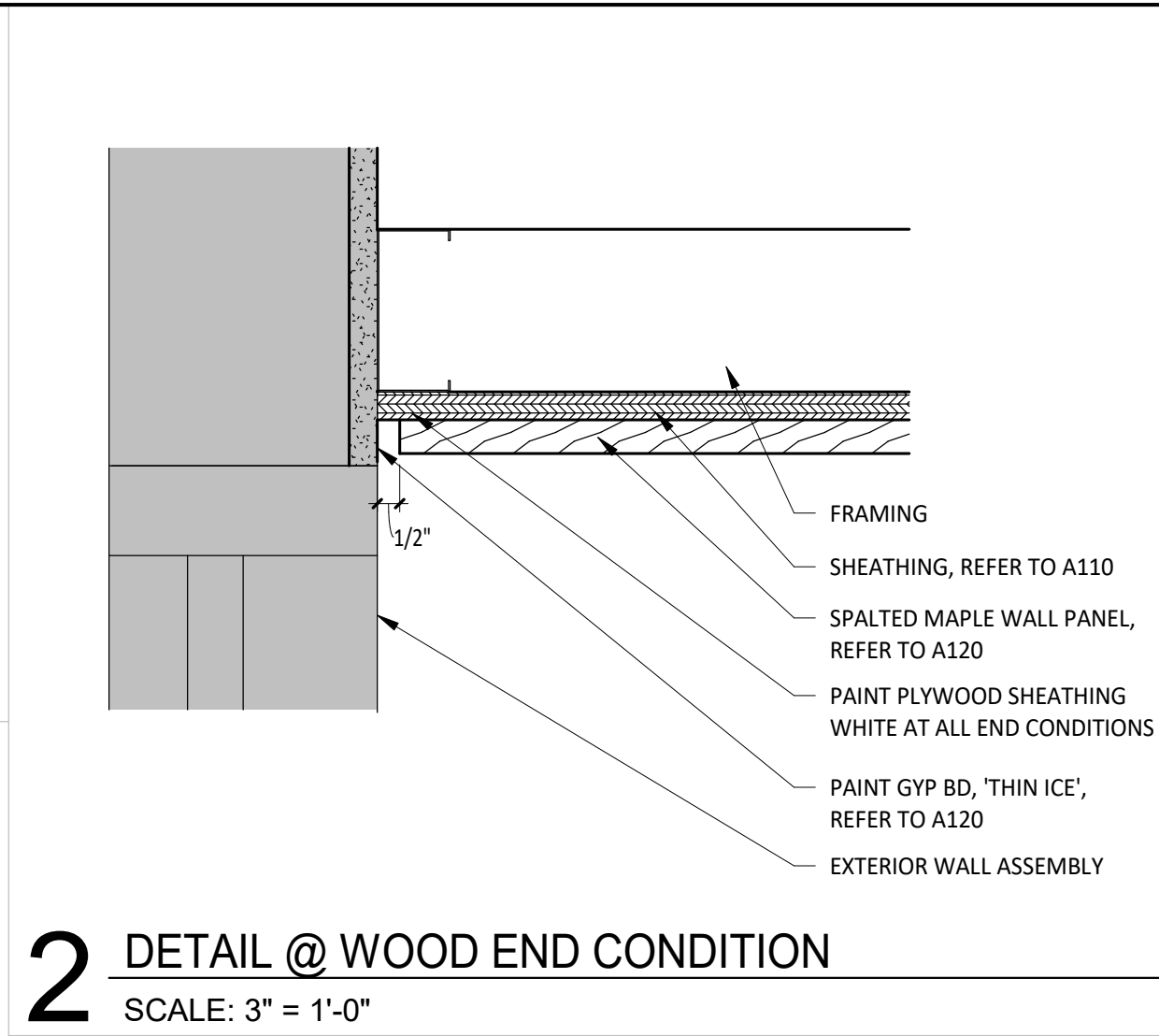
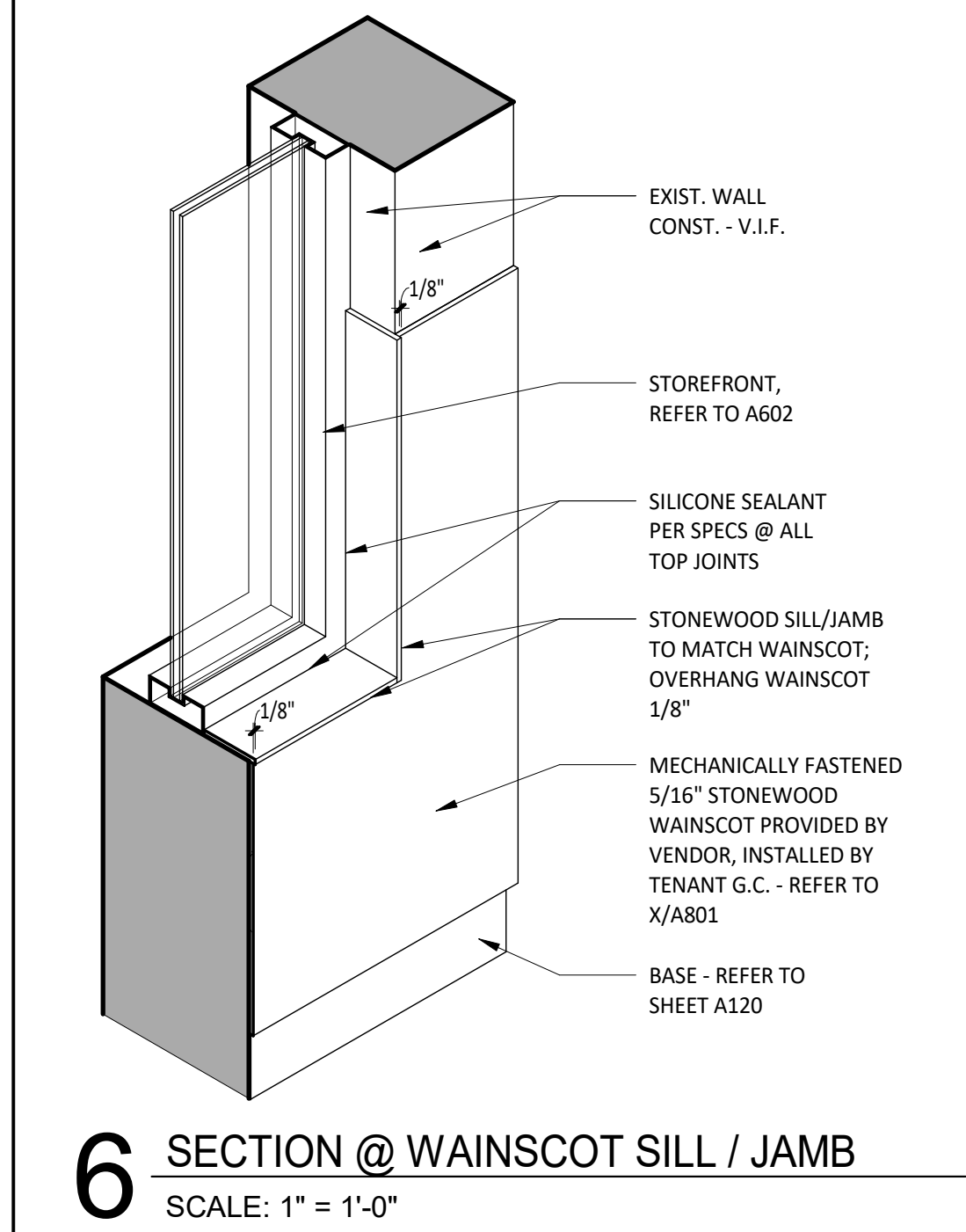
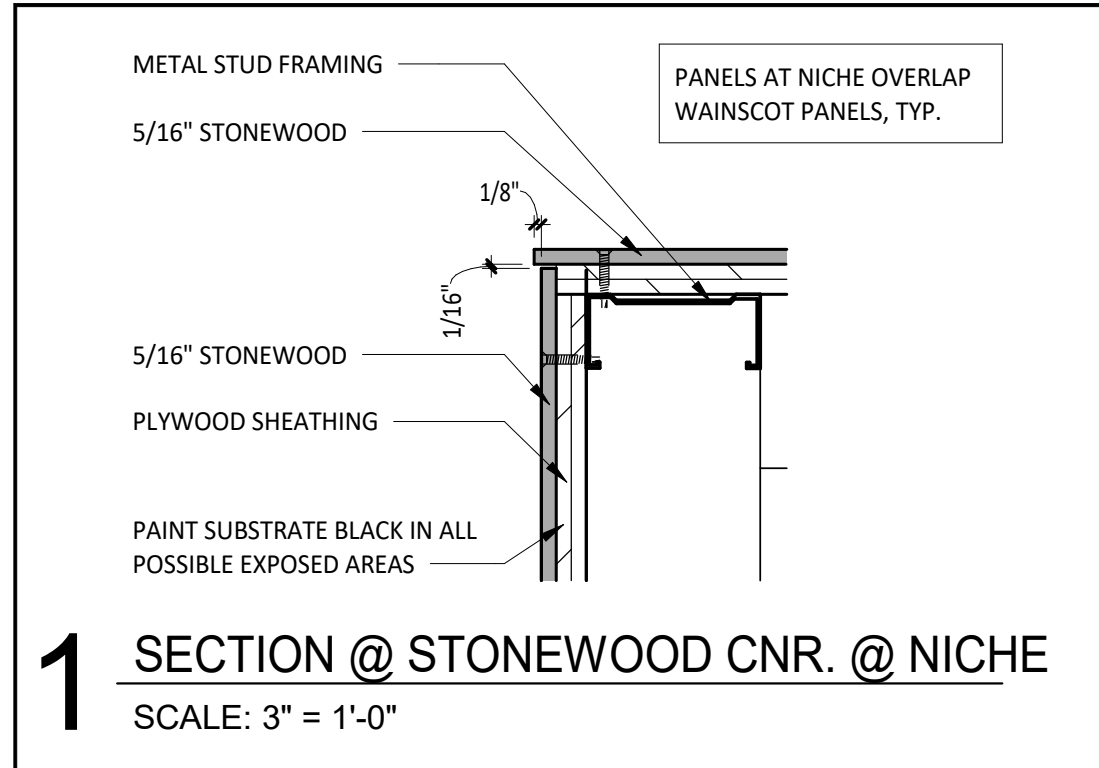
PROJECT NO. 2023-0056
DRAWN BY JSB
CHECKED BY DVA

ISSUE RECORD:
01/11/2024 PERMIT SET
06/12/2024 BID SET
07/01/2024 CONSTRUCTION SET

REVISIONS:

TITLE:
FINISH DETAILS - TILE

SHEET NUMBER:
A802



CONSULTANT:
WILKUS ARCHITECTS

CLIENT:
CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182666
COLUMBUS, OH 43218-2666
TELEPHONE: (614) 315-2452
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:
STORE NO.: 4915
"LAKE ZURICH"
442 S. RAND ROAD
LAKE ZURICH, IL 60047

SEAL:
LICENSED ARCHITECT
REG. NO. 001023967
MATTHEW M. WILKUS
STATE OF ILLINOIS
July 15, 2024
MATTHEW M. WILKUS
LICENSE #001.023967
(EXPIRES 11/30/2024)

PROJECT NO. 2023-0056
DRAWN BY JSB
CHECKED BY DVA

ISSUE RECORD:
01/11/2024 PERMIT SET
06/12/2024 BID SET
07/01/2024 CONSTRUCTION SET

REVISIONS:

TITLE:
FINISH DETAILS - WOOD

SHEET NUMBER:
A803

GENERAL STRUCTURAL NOTES

- 1

BUILDING CODE:
- 1.1

THE 2012 INTERNATIONAL BUILDING CODE.
- 2

DESIGN LOADS:
- 2.1

SHELL ENGINEER TO DETERMINE BUILDING DESIGN LOADS.
- 2.2

EQUIPMENT: ROOFTOP UNITS SEE PLAN
- 3

GENERAL NOTES:
- 3.1

CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR THE SAFETY OF PERSONS AND PROPERTY. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON NOR ISSUE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.
- 3.2

THE STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURE. DURING ERECTION OF THE STRUCTURE, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR TEMPORARY GUYING, SHORING, BRACING, FORMING, ETC. SUCH MEASURES SHALL BE LEFT IN PLACE AS LONG AS REQUIRED FOR SAFETY AND UNTIL ALL FRAMING AND CONNECTIONS ARE IN PLACE. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF SUCH TEMPORARY MEASURES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 3.3

DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW BY THE ENGINEER.
- 3.4

ARCHITECTURAL DRAWINGS, MECHANICAL DRAWINGS, ELECTRICAL DRAWINGS, TELECOMMUNICATION DRAWINGS, FIRE PROTECTION DRAWINGS, EQUIPMENT DRAWINGS AND RELATED ITEMS ARE BY OTHERS.
- 3.5

CONTRACTOR AND SUBCONTRACTORS SHALL THOROUGHLY REVIEW ALL DRAWINGS PRIOR TO SUBMITTING BIDS. MISCELLANEOUS FASTENERS, CLIPS, ETC. THAT ARE NOT DETAILED ON THE DRAWINGS BUT ARE PART OF THE REQUIREMENTS FOR FULL INSTALLATION OF ALL STRUCTURAL SYSTEMS ARE TO BE PART OF THE BID. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO THE BID TO ASCERTAIN CONDITIONS WHICH MAY ADVERSELY AFFECT THE BID.
- 3.6

DURING THE BIDDING STAGE, CONTRACTOR SHALL REQUEST AN INTERPRETATION OF CONFLICTS PRIOR TO BIDDING. IF NO REQUEST IS MADE, BOTH PROVISIONS SHALL BE PRESUMED TO BE INCLUDED IN THE BID AND THE ARCHITECT/ENGINEER SHALL DETERMINE WHICH PROVISION GOVERNS, AND THE CONTRACTOR SHALL PERFORM THE WORK AT NO ADDITIONAL COST TO THE OWNER.
- 3.7

ALL OMISSIONS AND CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE CONSTRUCTION DRAWINGS AND/OR SPECIFICATIONS AND/OR EXISTING CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
- 3.8

THE CONTRACTOR SHALL COORDINATE ALL DEPRESSIONS, DIMENSIONS, ELEVATIONS, SLEEVES, CHASES, HANGERS, OPENINGS, BLOCK OUTS, INSERTS, ANCHORS, EQUIPMENT SUPPORTS, AND DETAILS WITH THE ENTIRE CONSTRUCTION PACKAGE INCLUDING ARCHITECTURAL DRAWINGS, MECHANICAL DRAWINGS, ELECTRICAL DRAWINGS, TELECOMMUNICATION DRAWINGS, FIRE PROTECTION DRAWINGS AND EQUIPMENT DRAWINGS.
- 3.9

MECHANICAL UNITS SUPPORTED BY ROOF STRUCTURE ARE SUBJECT TO THE ACCEPTANCE OF THE STRUCTURAL ENGINEER.
- 3.10

DO NOT HANG ANYTHING FROM THE ROOF DECK.
- 4

EXISTING CONSTRUCTION:
- 4.1

WHEREVER APPLICABLE, PRIOR TO FABRICATION AND CONSTRUCTION, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELEVATIONS, DIMENSIONS, DETAILS OF EXISTING STRUCTURAL CONNECTIONS AND OTHER CONDITIONS WHERE THEY AFFECT THIS CONSTRUCTION. NOTIFY THE ENGINEER IF THERE ARE ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS. CONSULT WITH THE STRUCTURAL ENGINEER BEFORE MAKING ANY MODIFICATIONS TO THE EXISTING STRUCTURE NOT INDICATED ON THE CONTRACT DOCUMENTS.
- 4.2

BEFORE PROCEEDING WITH ANY WORK WITHIN THE EXISTING FACILITY, THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE EXISTING STRUCTURE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY BRACING, SHORING AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF THE EXISTING WORK IN A SAFE CONDITION DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION AND TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE EXISTING WORK WHICH ARE TO REMAIN.
- 4.3

THE CONTRACTOR SHALL CONSIDER ALL HAZARDS DUE TO WELDING WITHIN THE EXISTING FACILITY, INCLUDING FIRE HAZARD, TOXIC SMOKE HAZARD AND LIQUEFACTION OF MEMBERS UNDER LOAD. VERIFY THE PRESENCE OF ANY TOXIC MATERIALS PRIOR TO BIDDING THE WORK OR SUBMITTAL OF FINAL PRICE.
- 5

REINFORCED CONCRETE:
- 5.1

DESIGN CODE: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318), LATEST ADOPTION.
- 5.2

CONCRETE MIXES SHALL BE DESIGNED PER ACI 301 USING THE FOLLOWING:
PORTLAND CEMENT CONFORMING TO ASTM C150 OR C595
FLY ASH CONFORMING TO ASTM C618.
SLAG CONFORMING TO ASTM C989.
SILICA FUME CONFORMING TO ASTM C1240.
AGGREGATE CONFORMING TO ASTM C33.
ADMIXTURES CONFORMING TO ASTM C494, C1017, AND C260. DO NOT USE CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CALCIUM CHLORIDE.
CONCRETE SHALL BE READY-MIXED IN ACCORDANCE WITH ASTM C94.
- 5.3

MATERIAL STRENGTHS:
- 5.3.1

PROVIDE THE FOLLOWING CONCRETE PROPERTIES:
- | DESCRIPTION | COMPRESSIVE STRENGTH (F _c) AT 28 DAYS | MAX AGGREGATE SIZE | SLUMP 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
- 5.7

ALL WELDED WIRE FABRIC SHALL BE TRANSPORTED AND DELIVERED IN FLAT SHEETS.
- 5.8

MAINTAIN CONCRETE IN A CONTINUOUSLY DAMP AND WET CONDITION FOR NOT LESS THAN 7 DAYS AFTER PLACING. PROTECT FROM MOISTURE LOSS WITH SHEETING OR SPRAY-ON MEMBRANE MEETING ASTM C309 AND COMPATIBLE WITH FLOOR COVERINGS.
- 5.9

FINISHING REQUIREMENTS ARE AS FOLLOWS (REFER TO ACI 301):
SMOOTH RUBBED FINISH ON EXPOSED FORM SURFACES.
STEEL TROWEL FINISH ON INTERIOR SLABS AND SLABS TO RECEIVE FINISH FLOORING.
- 5.10

DO NOT FIELD BEND BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE UNLESS SPECIFICALLY INDICATED OR ACCEPTED BY THE ENGINEER.
- 5.11

IN SLABS PROVIDE (2) #4x4'-0" DIAGONAL BARS AT 45 DEGREES AT ALL CORNERS OF OPENINGS AND RE-ENTRANT CORNERS.
- 5.12

COLD WEATHER CONCRETING SHALL FOLLOW PROCEDURES IN ACI 306.
- 5.13

HOT WEATHER CONCRETING SHALL FOLLOW PROCEDURES IN ACI 305.
- 5.14

FORMWORK SHALL REMAIN IN PLACE UNTIL CONCRETE HAS ATTAINED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PROVIDE ALL SHORING.
- 5.15

SPECIAL ADDITIONAL REQUIREMENTS FOR SLABS ON GRADE:
- 5.15.1

DESIGN STANDARD: GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION (ACI 302.1)
- 5.15.2

REFER TO GEOTECHNICAL REPORT FOR VAPOR BARRIER, ENGINEERED FILL AND SUBGRADE COMPACTION REQUIREMENTS.
- 5.15.3

LAP ADJOINING WELDED WIRE FABRIC AT LEAST TWO FULL MESHES.
- 5.15.4

SEE DRAWINGS FOR LOCATIONS OF SLAB CONTROL JOINTS.
- 5.15.5

SLAB JOINTS SHALL BE FILLED WITH AN ACCEPTED MATERIAL AS LATE AS POSSIBLE, PREFERABLY AT LEAST 4 TO 6 WEEKS AFTER THE SLAB HAS BEEN CAST. PRIOR TO FILLING, REMOVE ALL DEBRIS FROM THE SLAB JOINTS. FILL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- 5.15.6

SEE THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DEPRESSED SLAB AREAS AND DRAINS. SLOPE SLAB TO DRAINS WHERE SHOWN.
- 5.15.7

FINISH TOLERANCE OF ALL SLABS SHALL BE IN ACCORDANCE WITH ACI 302.1 R.
- 6

WOOD:
- 6.1

DESIGN CODE: NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION (AF&PA), LATEST ADOPTION.
- 6.2

MATERIALS (FOLLOWING INDICATE MINIMUM GRADES UNO ON DRAWINGS):
- | DESCRIPTION | SPECIES & GRADE | DESIGN VALUES (PSI) | | | | COMMENTS | | |
|----------------|----------------------------|---------------------|------------------|-----------------|-----------------------|----------|-----|---------------------------|
| | | F _b | F _c L | F _{cl} | E (x10 ⁶) | | | |
| FRAMING LUMBER | Dimensional Lumber (2"-4") | SPRUCE-PINE-FIR | NO. 2 | 875 | 425 | 1150 | 1.4 | POSTS |
| | Timbers (5"x5" and larger) | SPRUCE-PINE-FIR | NO. 2 | 500 | 425 | 500 | 1.0 | POSTS |
| | Dimensional Lumber (2"-4") | SPRUCE-PINE-FIR | NO. 2 | 875 | 425 | 1150 | 1.4 | JOISTS, BEAMS AND LINTELS |
| | Timbers (5"x5" and larger) | SPRUCE-PINE-FIR | NO. 2 | 600 | 425 | 425 | 1.0 | BEAMS |
- 6.3

ALL LUMBER CONNECTORS TO BE SUPPLIED BY USP OR SIMPSON STRONG-TIE. WHERE LUMBER CONNECTORS ARE TO BE USED BUT ARE NOT CALLED OUT IN THESE DRAWINGS THEY ARE TO BE DESIGNED AND SUPPLIED BY USP OR SIMPSON STRONG-TIE FOR THE REACTION SHOWN ON THESE DRAWINGS. WHEN USING LUMBER CONNECTORS FILL ALL NAIL HOLES TO ACHIEVE PUBLISHED VALUE. WHERE MORE STRINGENT, THESE DRAWINGS SUPERSEDE DIRECTIONS IN PRODUCT CATALOG BUT REFER TO PRODUCT CATALOG FOR TYPICAL INSTALLATION INSTRUCTIONS.
- 6.4

TRUSS MEMBERS AND COMPONENTS SHALL NOT BE CUT, NOTCHED, DRILLED NOR OTHERWISE ALTERED IN ANY WAY WITHOUT THE WRITTEN APPROVAL OF THE TRUSS SUPPLIER'S STRUCTURAL ENGINEER.
- 6.5

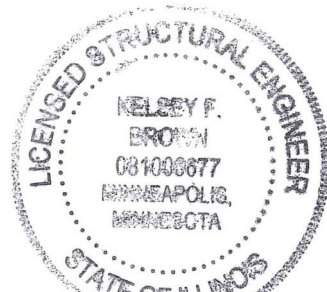
COORDINATE MECHANICAL EQUIPMENT LOADS AND LOCATIONS WITH MECHANICAL/ARCHITECTURAL DRAWINGS AND MECHANICAL CONTRACTOR.
- | ABBREVIATIONS | | | |
|---------------|--|------|---|
| ACI | AMERICAN CONCRETE INSTITUTE | CRSI | CONCRETE REINFORCING STEEL INSTITUTE |
| AF&PA | AMERICAN FOREST & PAPER ASSOCIATION | 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 ENG, LLC
2300 Berkshire Lane N, Suite 200
Plymouth, MN 55441
763.559.9100
www.vaaeng.com
IL Firm Registration No. 184007783-0006

Seal:



expired 11-30-24
7/3/24
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CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182566
COLUMBUS, OH 43218-2566
TELEPHONE: (614) 318-2482
INTERNET: WWW.CHIPOTLE.COM

STORE NO.: 4915

"LAKE ZURICH"
422 S. RAND ROAD
LAKE ZURICH, IL 60047

Issue Record:

01.10.2024	PERMIT SET
06.12.2024	BID SET
07.03.2024	CONSTRUCTION SET

Revisions:

Drawn:

Checked:

JWO

TJM

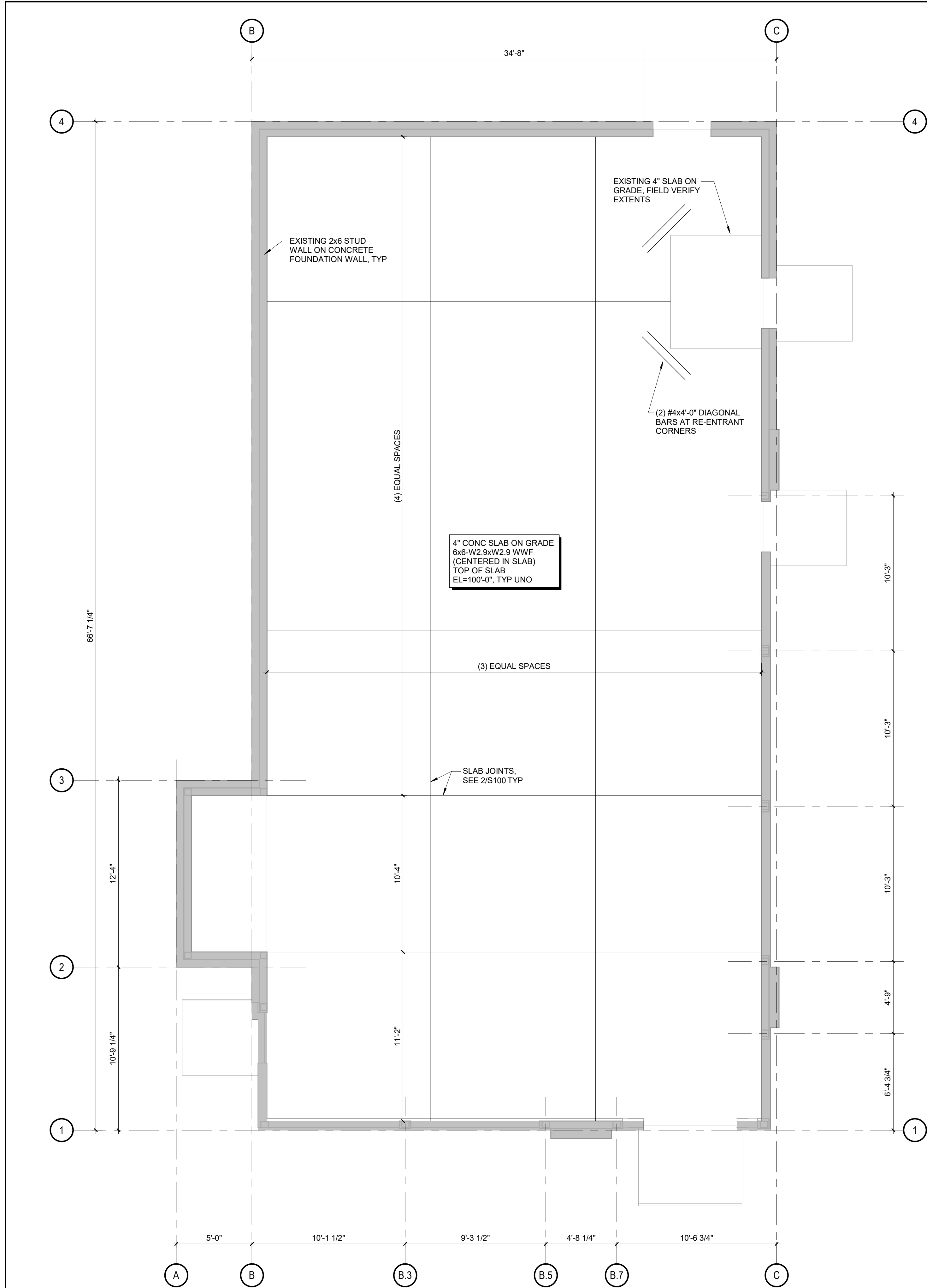
Project No.

230119

Contents:

GENERAL STRUCTURAL
NOTES

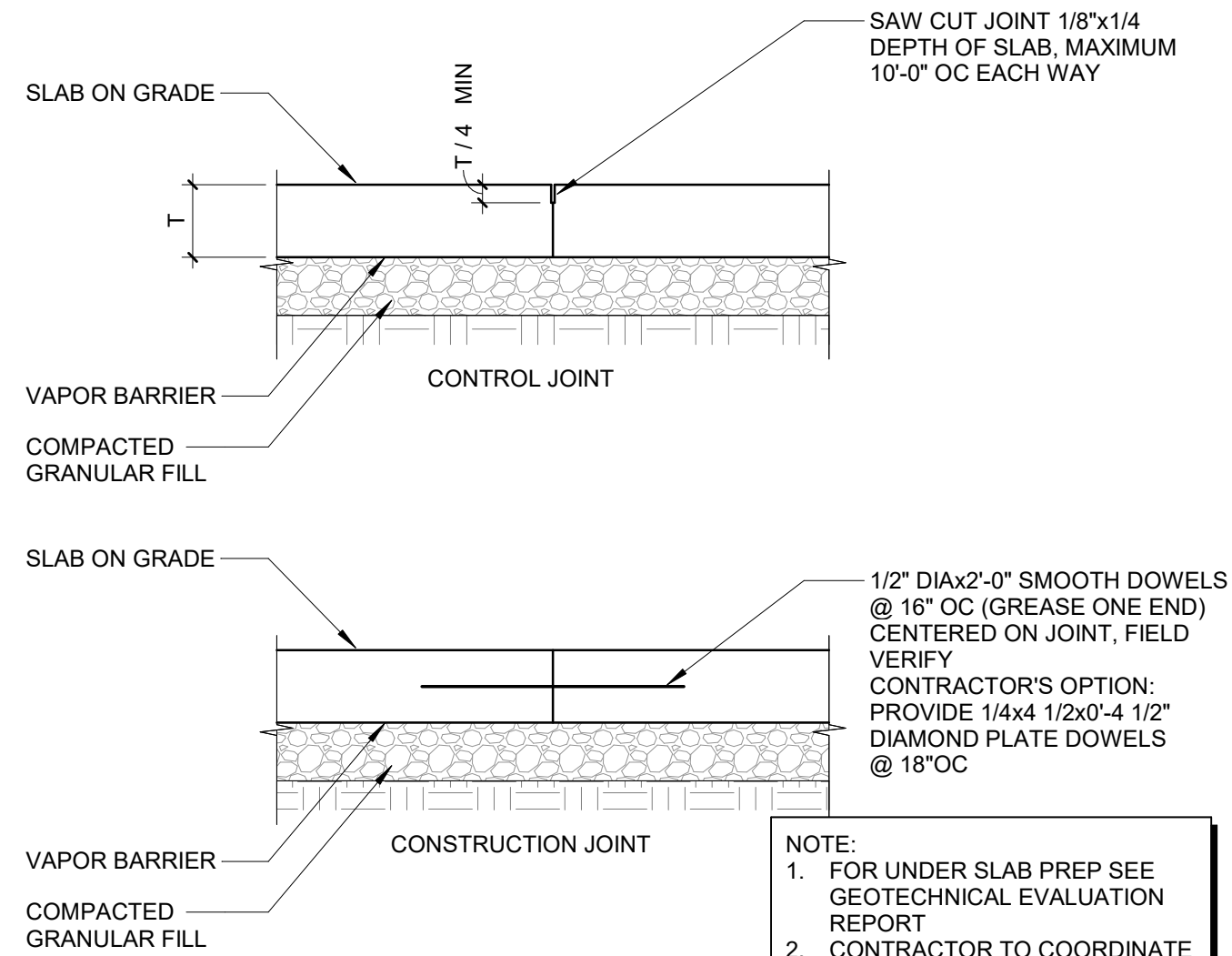
S000



NORTH
1
S100
1/4" = 1'-0"

SLAB PLAN NOTES:

1. FOR GENERAL STRUCTURAL NOTES SEE SHEET S000.
2. CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, CONDITIONS, ETC PRIOR TO DEMOLITION, FABRICATION AND CONSTRUCTION.
3. EXISTING STRUCTURAL INFORMATION IS BASED ON THE STRUCTURAL DRAWINGS PREPARED BY VAA ENG, LLC DATED 01.03.2024.

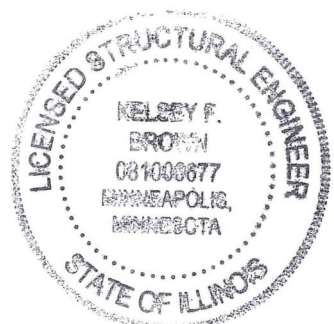


2
S100
1" = 1'-0" INTERIOR SLAB JOINTS

Consultant:



Seal:



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Contents:

SLAB ON GRADE PLAN
AND DETAILS

S100



1. FOR GENERAL STRUCTURAL NOTES SEE SHEET S000.
2. CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, CONDITIONS, ETC PRIOR TO DEMOLITION, FABRICATION AND CONSTRUCTION
3. FOR CONCENTRATED LOADS SUSPENDED FROM EXISTING ROOF TRUSSES SEE 3/S200.
4. FOR ROOF DECK OPENINGS LARGER THAN 8" SEE 4/S200.
5. THE LANDLORD SHALL ENGINEER AND TRUSS SUPPLIER TO DESIGN THE ROOF STRUCTURE TO ADOPT APPROPRIATE LOADS AND CONDITIONS.
6. EXISTING STRUCTURAL INFORMATION IS BASED ON THE STRUCTURAL DRAWINGS PREPARED BY VAA ENG, LLC DATED 01.03.2024.

- (E)
ABV
ADA
AFF
AFG
AHJ
BFF
BFG
BOH
CLG
CTE
DN
EXT'G
FAAP
FACP
FLR
FLR
FOH
GYP
NTS
O/H
TYP
U/G
UNO
W/
WIC

Existing
Above
Americans with Disabilities Act
Above Finished Floor
Above Finished Grade
Authority Having Jurisdiction
Below Finished Floor
Below Finished Grade
Back Of House
Ceiling
Connect to Existing
Down
Existing
Fire Alarm Annunciator Panel
Fire Alarm Control Panel
Floor
Front Of House
Gypsum Board
Not To Scale
Overhead
Typical
Underground
Unless Noted Otherwise
With
Walk-in Cooler

- GC
LL
CO2AS
HES
HS
KES
MSS
SPS
TAB
TCC
TDC
TEMS
TLS
TMB
TMS
TP
TPS
TRS
TSV
TUV
WCS
WHS

General Contractor
Landlord
Tenant's CO2 Alarm Supplier
Tenant's HVAC Equipment Supplier
Tenant's Hood Supplier
Tenant's Kitchen Equipment Supplier
Tenant's Music Systems Supplier
Tenant's Soda Pop Supplier
Tenant's Test And Balance Vendor
Tenant's Cabling Contractor
Tenant's Duct Cleaner
Tenant's Energy Management System Supplier
Tenant's Light/Lamp Supplier
Tenant's Menu Board Supplier
Tenant's Millwork Supplier
Tenant's Phone Supplier
Tenant's Panelboard Supplier
Tenant's Railing Supplier
Tenant's Sign Vendor
Tenant's UV Sanitizer Supplier
Tenant's Walk-In Cooler Supplier
Tenant's Water Heater Supplier

Fire Protection Schedule			
Location		Ceiling	Hazard
No.	Name		
100	MAIN ENTRY	Exposed Structure	LH
101	DINING	Exposed Structure	LH
102	UTENSIL	Stonewood	LH
103	PASSAGE	GYP	LH
104	POS	GYP	OH1
105	ORDERING	Exposed Structure	LH
106	SERVING	GYP	OH1
107	COOKING	CYP	OH1
108	KITCHEN	Lay-In	OH1
109	OFFICE	Lay-In	LH
110	COOLER	Integral	OH1
113	TOILET ROOM 2	GYP	LH
114	TOILET ROOM 1	GYP	LH

Note: refer to architectural plans for ceiling heights.

FP Material Schedule	
Ceiling Application	Allowable Material (Sprinkler Head)
Exposed Structure	Chrome or brass upright
Gypsum Board (GYP)	Chrome recessed pendant w/ chrome escutcheon
Lay-In	Chrome recessed pendant w/ chrome escutcheon
Stonewood	Concealed pendant w/ black cover plate
Walk-In Cooler (Integral)	Freeze-proof pendant

General Notes

- A.

Fire protection work shall be done in accordance with the building code, NFPA, local fire department standards, and the authority having jurisdiction. See architectural sheets for the prevailing codes.
- B.

Ceiling heights shown in the fire protection schedule are approximate. See architectural reflected ceiling plan for exact ceiling heights.
- C.

Existing fire protection system: existing wet pipe sprinkler system with distribution throughout space and heads turned up to deck.
- D.

Existing fire alarm system: existing addressable fire alarm system with FACP in base building riser room, notification appliance in space, and pull stations at exits.
- E.

Fire alarm scope of work: modify the existing fire alarm system in the spaces shown to suit the new floor plan. Provide new devices as necessary for a complete system.
- F.

Coordinate head and device layout with exposed ductwork, light fixtures, HVAC equipment, architectural ceiling elements, and wall-mounted equipment. See architectural, HVAC, plumbing, and electrical plans for locations. Provide heads and devices in lay-in ceilings at quarter points along long axis of ceiling tiles.
- G.

Fire protection scope of work: modify the existing head layout in the spaces shown to suit the new floor plan. Provide new heads and piping as necessary for a complete system. Provide hydraulic calculations for revised fire protection system.
- H.

Obtain permits, approvals, and inspections for revised fire protection and alarm systems.
- I.

Ceiling heights and ceiling fixture placements shown are approximate. See architectural RCP for exact ceiling heights and ceiling fixture dimensions.
- J.

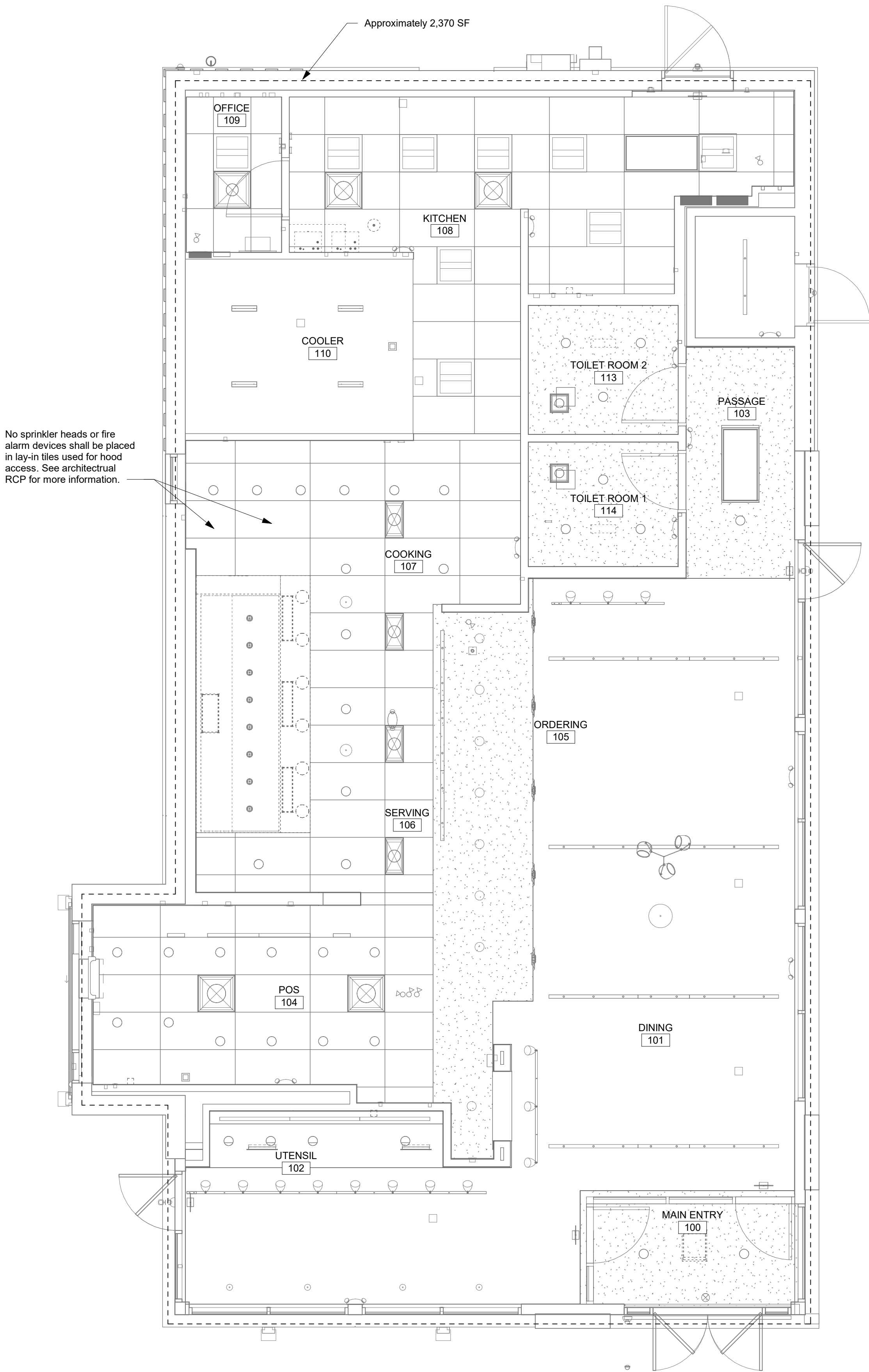
Submit fire protection and fire alarm shop drawings showing head and device layouts to architect prior to submitting for permit approval.
- K.

The term "turnish" means supply and deliver to the project site, ready for unloading, unpacking, assembly, installation, and similar operations. The term "install" describes the operations at the project site including the actual unloading, unpacking, assembly, erecting, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning, and similar operations. The term "provide" means to furnish and install, complete and ready for the intended use.
- L.

If a slat ceiling system is installed in the dining room where it will interfere with the pattern development of sprinkler heads above the slat ceiling (within 18" below sprinkler heads) then provide intermediate level in-rack pendant sprinkler heads in slat ceiling system per the architectural details.

Lake Zurich Fire Department Notes

- A separate fire alarm system submittal will be required.
- A separate sprinkler system submittal will be required.
- A separate fire pump room submittal will be required.
- A separate kitchen hood fire suppression system submittal will be required.
- Provide a full-size flush of the underground water service.
- All fire department connections shall be 5-inch Storz with a thirty-degree downturn. Section 912.8 Fire Department Connections.
- The riser room shall read, "F.A.C.P./Sprinkler Risers".
- Provide an emergency light in the pump/riser room.
- Emergency lighting and exit signs shall be provided for all exit requirements.
- Emergence lighting is required for all exit discharge areas immediately adjacent to exit doors in occupancies that require two or more exits. Final approval of exit sign placement and emergency lighting shall be subject to a field inspection.
- A minimum 2A 10BC portable fire extinguisher shall be provided for every 75 feet of travel distance. (Including one extinguisher inside the pump/riser room).
- Exterior doors shall be key operated with a handle for fire department access.
- It is required that sprinkler and/or zone maps be provided for display at the front entrance and at the fire alarm panel.
- Provide proper address numbering for front and rear - (Minimum 4" bold letters with contrast from door background).
- A 3200 Series Knox Box is required (with tamper switch). Provide a 4400 series Knox Box mounted at the Riser Room if more than 3 Keys are provided. Contact Knox.com).
- Contact F.S.S. Technologies to schedule the lease for the fire alarm radio monitoring.



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

General Plan Symbols

Plan Revision Number

Detail Number on Sheet

Sheet Number Where Detail is Placed

Keynote Symbol

Continuation Symbol

Point Where New Connects To Existing

Room Name / Number

Area Being Demolished

Area Not In Contract

Abbreviations			
A, Amp	Ampere	N.C.	Normally Closed
ABV	Above	N.O.	Normally Open
ADA	Americans with Disabilities Act	NC	Noise Criteria
ADD	Addendum	NIC	Not In Contract
AFF	Above Finished Floor	NO, #	Number
AFG	Above Finished Grade	NTS	Not To Scale
AFV	Air Face Velocity	OAT	Outdoor Air Temperature
AFUE	Annual Fuel Utilization Efficiency	ODD	Opposed Blade Damper
AHRI	Air Conditioning, Heating and Refrigeration Institute	OC	On Center
AHJ	Authority Having Jurisdiction	O/H	Overhead
ALT	Alternate	PC	Plumbing Contractor
AP	Access Panel	PD	Pressure Drop
APD	Air Pressure Drop	PH	Phase
APPROX	Approximately	PLBG	Plumbing
ARCH	Architect, Architectural	PRESS	Pressure
ASHRAE	American Society of Heating, Refrigerating and Air Conditioning Engineers	PRI	Primary
		PSI	Pounds per Square Inch
		PSIG	Pounds per Square Inch Gauge
ASPE	American Society of Plumbing Engineers	PWR	Power
		QTY	Quantity
AUX	Auxiliary	RD	Roof Drain
BFF	Below Finished Floor	REC	Recessed
BFG	Below Finished Grade	RED	Reducer
BLDG	Building	RH	Relative Humidity
BMS	Building Management System	RM	Room
BLW	Below	RPM	Revolutions Per Minute
BTU	British Thermal Units	RTU	Packaged Rooftop Unit
BTUH	British Thermal Units Per Hour	(R)	Relocated
CAP	Capacity	SAT	Supply Air Temperature
CFM	Cubic Feet Per Minute	SF	Square Foot
CLG	Ceiling	SD	Smoke Damper
CONST	Construction	SHR	Sensible Heat Ratio
CONT	Continuation or Continuous	SA	Surface Mount
CONTR	Contractor	SP	Static Pressure
CU	Condensing Unit	SS	Stainless Steel
D	Degree	STD	Standard
DB	Dry Bulb	SYM	Symmetrical
DET	Detail	T	Thermostat
DIA	Diameter	TD	Temperature Drop
DN	Down	TEMP	Temperature
DWG	Drawing	TYP	Typical
EAT	Entering Air Temperature	UNO	Unless Noted Otherwise
EC	Electrical Contractor	U/G	Underground
EDD	Entering Dry-Bulb Temperature	V	Volt
EF	Exhaust Fan	VERT	Vertical
ELEC	Electric, Electrical	VFD	Variable Frequency Drive
EQUIP	Equipment	W	Watt
EMS	Energy Management System	WB	Wet Bulb
EWB	Entering Wet-Bulb Temperature	W/C	Walk-In Cooler
EWG	Electric Water Cooler	WPD	Water Pressure Drop
EWI	Electric Water Heater	W/	With
EWT	Entering Water Temperature	W/O	Without
EXH	Exhaust		
(E)	Existing	∠	Angle
°F	Degrees Fahrenheit	@	At
FD	Floor Drain	Δ	Delta
FL	Floor	'	Feet
FLA	Full Load Amps	"	inches
FOH	Front Of House	#	Number
FPM	Feet Per Minute	Ø	Diameter
FT	Foot/Feet	¢	Center Line
GAL	Gallon	°	Degree
GF	Gas-Fired		
GC	General Contractor		
GPM	Gallons Per Minute		
GYP	Gypsum Board		
HD	Kitchen Hood		
HORIZ	Horizontal		
HP	Horse Power		
HTG	Heating		
HVAC	Heating, Ventilating and Air Conditioning		
IN	Inch		
INV	Invert		
KW	Kilowatt		
KWH	Kilowatt Hour		
LB	Pound		
LAT	Leaving Air Temperature		
LDB	Leaving Dry-Bulb Temp.		
LVR	Louver		
LWB	Leaving Wet-Bulb Temp.		
LWT	Leaving Water Temperature		
LL	Landford		
MAX	Maximum		
MAU	Makeup Air Unit		
MBH	One Thousand Btu Per Hour		
MC	Mechanical Contractor		
MCA	Minimum Circuit Ampacity		
MCF	One Thousand Cubic Feet		
MCWB	Mean Coincidence Wet-Bulb		
MD	Motorized Damper		
MECH	Mechanical		
MFR	Manufacturer		
MIN	Minimum		
MISC	Miscellaneous		
MTR	Motor		

HVAC Symbols

Sq. Duct Size (Width x Height)

Oval Duct Size (Width / Height)

Round Duct Size (Diameter)

Existing Duct To Remain

Duct To Be Demolished

Supply Air

Ventilation Air

Outdoor Air

Return Air

Transfer Air

Building Relief Air

General Exhaust Air

Kitchen Exhaust Duct

Flue Gas Vent

Combustion Air

Rect. Supply Duct Rise / Drop

Round Supply Duct Rise / Drop

Rect. Return Duct Rise / Drop

Round Return Duct Rise / Drop

Rect. Exhaust Duct Rise / Drop

Round Exhaust Duct Rise / Drop

Grille, Register, Diffusers

Perforated Ceiling Diffuser

Perforated Ceiling Return

Adjustable Turbo Nozzle

Double Deflection Supply Register

Perforated Ceiling Return

Mechanical Equipment

Unit Identity

Nominal Cooling Capacity

Heating Capacity

Gas Supply Input Rate

Operating Weight

Existing to Remain Equipment

Existing Relocated Equipment

Equipment to be Demolished

Damper Types

Manual Damper

Motorized Damper

Backdraft Damper

Smoke Damper

Fire Damper

Comb. Fire/Smoke Damper

Mechanical Devices

Duct Smoke Detector

Audio/Visual Remote Smoke Detector Annunciator w/ Remote Key Operated Reset

Unit Identity

GridPoint Zone Sensor

GridPoint Thermostat Control

GridPoint Duct Supply Probe

Mechanical Piping Symbols

Nominal Pipe Size

Above Ground Piping

Below Ground Piping

Pipe Slope (When Applicable)

Existing Pipe To Remain

Pipe To Be Demolished

Chilled-Water Return

Chilled-Water Supply

Condensate Drain

Condenser-Water Return

Condenser-Water Supply

Geothermal-Water Return

Geothermal-Water Supply

Hot-Water Return

Hot-Water Supply

Natural Gas

Liquid Propane

Refrigerant Liquid

Refrigerant Gas

Refrigerant Discharge

Steam Supply

Steam Condensate Return

Pipe Rise / Drop

Valve Types

Ball Valve

Balancing Valve

Butterfly Valve

Check Valve

Alternate Check Valve

Circuit Setter

Gate Valve

Globe Valve

Locked Shield Valve

Pressure Reducing Valve

Quick Opening Valve

Fluid Strainer

Elec. Control Valve

3-Way Elec. Valve

Emergency Gas Shutoff

Plug Valve

Gas Shutoff Cock

Gas Regulator

HVAC Specification

SECTION 15732 - Packaged Rooftop Air Conditioning Units

Part 1 - General

1.1 Section Requirements

A. Submittals: Product Data and Shop Drawings

B. Comply with ASHRAE 15.

C. EER: Equal to or greater than prescribed by the energy code adopted by the Authority Having Jurisdiction.

D. Warranties: Submit a written warranty, signed by the manufacturer, agreeing to the repair or replacement of components that fail within 5 years of Substantial Completion.

Part 2 - Products

2.1 Packaged Units, 5 to 20 tons

A. Factory assembled and tested, consisting of compressors, condensers, evaporator coils, condenser and evaporator fans, refrigeration and temperature controls, filters, and dampers.

1. Refer to Rooftop Unit Schedule on drawing M600 for capacities and manufacturers.

2. Exavporator Fans: Belt or direct drivers, forward curved centrifugal or propeller.

3. Exhaust/Relief Fans: Direct drive, forward curved centrifugal

4. Condenser Fans: Direct drive propeller.

5. Refrigerant Coils: Aluminum fins and copper coil

6. Compressors: Serviceable hermetic or fully hermetic, with safety controls, hot gas bypass, and timed off controls.

7. Heat Exchangers: Gas fired, with gas controls, electronic ignition, high limit cutout, and forced draft proving switch.

8. Economizer controls (comparative Enthalpy, 100% capacity)

9. Smoke Detectors: Photoelectric in supply and/or return as called for in schedule on sheet M600.

10. Operating controls: Two stage heating and two stage cooling on units 7-1/2 tons and over.

11. Roof curb.

12. Control Wiring from T-stat to rooftop unit. Shall be 18 GA. / 7 conductor, rated for plenum application.

13. Control Wiring from T-stat to remote sensor: Shall be a separate 18 GA. / 2 conductor shielded, rated for plenum application.

Part 3 - Execution

3.1 Installation

A. Install units level and plumb and firmly anchored.

B. Connect gas piping to burner with pipe same size as gas train inlet, and provide union with sufficient clearance for burner removal and service.

C. Install ducts to termination in roof mounting frames. Terminate ducts through roof structure.

D. Connect units to wiring systems and to ground.

End of Section 15732

Section 15810 - Ducts and Accessories

Part 1 General

1.1 Section Requirements

A. Submittals: Product Data door fire and smoke dampers

B. Comply with NFPA 90B for systems serving spaces more than 25,000 cu ft. in volume or building types II, IV, and V construction for that 3 stories in height.

C. Comply with NFPA 90B for sytems 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 Commerical Cooking Operations" for kitchen hood ducts.

E. Comply with UL 181 and UL 181A for ducts and closures.

F. Testing, Adjusting, and Balancing Agency Qualifications: AABC certified (to be furnished by Tenant).

Part 2 Products

2.1 Ducts

A. Spiral Duct: Spiral Lock Seam, without insulation, G90 galvanized finish, ASTM A-653/924

1. Basis of Design Manufacturers: lindab SPIROsafe, Alternates to the basis of design must be submitted for review.

2. Fittings: Factory product standing seam construction with internal sealing. Fitting with a major axis of 36" or smaller shall be 20 GA. Fitting with a major axis of 37"-48" shall be 18 GA.

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. Joint and Seam Tape: Comply with UL 181A

E. Joint and Seam Sealant: Comply with UL 181A/

F. Rectangular Metal Duct Fabrications: Comply with SMACNA's "HVAC Duct Construction Standard" for metal thickness, reinforcing types and intervals, tie rod applications, and joint types and intervals.

2.2 Accessories

A. Volume-Control Dampers: Factory fabricated volume control dampers, complete with required hardware and accessories. Single blade and multiple opposed blade, standard leakage rating, and suitable for horizontal or vertical applications.

B. Fire-Dampers: Factory- fabricated fire dampers, complete with required hardware and accessories. UL Labeled according to UL 555, "Fire Dampers".

C. Flexible Connectors: Flame retardant or noncombustible fabrics, coatings, and adhesives complying with UL 181, Class 1.

D. Flexible Ducts: Factory fabricated, insulated, round duct, with an outer jacket enclosing 2 inch thick, glass fiber insulation, R- value, 6.0, around a continuous inner liner.

Part 3 Execution

3.1 Installation

A. Duct System Pressure Class: Construct and install each duct system with 2 inch positive and negative duct pressure classifications.

B. Conceal ducts from view in finished and occupied spaces. Except where noted as exposed.

C. Avoid passing through electrical equipment spaces and enclosures.

D. Support and connect metal ducts according to SMACNA's "HVAC Duct Construction Standard".

E. Install duct accessories according to applicable portions of details of construction as shown in SMACNA standards.

F. Install liner and/or insulation on ductwork per the material schedule on sheet M010.

G. Install volume control dampers in lined duct with methods to avoid damage to liner and to avoid erosion of duct liner.

H. Install fire and smoke dampers according to manufacturer's UL approved written instructions.

I. Install fusible links in fire dampers

J. Provide saddle taps at tees for exposed ductwork.

3.2 Testing, Adjusting, and Balancing

A. The tenant will supply an independent balance agent to balance and adjust the HVAC installations. The balance agent will be responsible for any pulley or belt changes repaired.

B. The GC is to have trained staffed available during the balancing to correct issued noted by the balance agent.

C. The balance agent is to balance airflow within distribution sstems, including sumains, branches, and terminals to indicated quantities +/- 10%. The hood exhaust system shall be balanced to a tolerance of +/- 10% and the make up air system to a tolerance of +/- 10%.

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 15810

HVAC General Notes

A. General notes apply to HVAC sheets.

B. Work shall comply with state and location 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 prevailing codes.

C. Contractor and subcontractors shall review a complete set of the construction documents.

D. Coordinate work with the work of other trades, equipment furnished by others, requirements of the owner, and of the existing conditions at the project site.

E. Drawings for the mechanical work are diagrammatic, showing the general location, type, layout, and equipment required. The drawings shall not be scaled for exact measurements, refer to architectural drawings for dimensions. Refer to manufacturer's standard installation drawings for equipment connections and installation requirements. Provide ductwork, connections, offsets, accessories, and materials necessary for a complete system.

F. Duct dimensions on plans indicate dimensions of internal free area.

G. Perforated ceiling diffusers shall be 4-way unless noted otherwise.

H. Coordinate roof work with the owner's construction manager prior to construction.

I. Unless noted otherwise rectangular duct elbows greater than 45 degrees shall be mitered elbows with double-thickness turning vanes and rectangular duct elbows 45 degrees or less shall be radiused elbows with an inside radius of at least 1/2 the width of the duct.

J. Repace aire filters with new, clean Merv 8 aire filters at turnover.

K. The term "Furnish" means supply and deliver to the project site, ready for unloading, unpacking, assembly, installation, and similar operations. The term "install" describes the operations at the project site including the actual unloading, unpacking, assembly, erecting, placing, anchoring, applying, working to dimension, finishing, curing, protect, cleaning, and similar operations. The term "Provide" means to furnish and install, complete and ready for the intended use.

L. Install labeling called for in the mechanical drawings using engraved phenolic plates (white with black lettering).

M. Provide P3000 12 GA. unistrut with PG finish for duct supports and other unistrut in areas exposed to view. Slotted unistrut and other unistrut with holes is not acceptable.

N. Test and Balance Report shall be submitted to the Lake Zurich building department prior to final inspection.

Responsibility Definitions

GC	General Contractor
LL	Landford
CO2AS	Tenant's CO2 Alarm Supplier
HES	Tenant's HVAC Equipment Supplier
HS	Tenant's Hood Supplier
KES	Tenant's Kitchen Equipment Supplier
MSS	Tenant's Music Systems Supplier
SPS	Tenant's Soda Pop Supplier
TAB	Tenant's Test And Balance Vendor
TCC	Tenant's Cabling Contractor
TDC	Tenant's Duct Cleaner
TEMS	Tenant's Energy Management System Supplier
TLS	Tenant's Light/Lamp Supplier
TMB	Tenant's Menu Board Supplier
TMS	Tenant's Millwork Supplier
TPS	Tenant's Phone Supplier
TRS	Tenant's Panelboard Supplier
TSV	Tenant's Sign Vendor
TUV	Tenant's UV Sanitizer Supplier
WCS	Tenant's Walk-In Cooler Supplier
WHS	Tenant's Water Heater Supplier

Duct Material Schedule

Application	Allowable Material
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
Exposed General Exhaust	Rect. with no exposed duct-sealing mastic
Exposed Return	Rect. with no exposed duct-sealing mastic
Exposed Supply	Rect. lined or round as shown with no exposed duct-sealing mastic
Type I Hood Exhaust	Rect. 16 GA. black iron w/ wrap or UL 1978 factory-manufactured duct w/ wrap (Submit shop drawings for factory manufactured duct for approval prior to ordering)

HVAC SHEET INDEX

M010	HVAC Title Sheet
M100	HVAC Plan
M600	HVAC Schedules
M700	HVAC Details

CONSULTANT:

AYRES

MECHANICAL, ELECTRICAL, PLUMBING (MEP)

1700 West Highway 36 - Suite 700
Roseville, Minnesota 55113
(651) 639-9606 Fax (651) 639-9618
Project No. 81-0585

CLIENT:

CHIPOTLE
MEXICAN GRILL

CHIPOTLE MEXICAN GRILL, INC.
PO BOX 162966
COLUMBUS, OH 43216-2966
TELEPHONE: (614) 316-2662
INTERNET: WWW.CHIPOTLE.COM

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STORE NO.: 4915
"LAKE ZURICH"
422 S. Rand Road
Lake Zurich, IL 60047

SEAL:

JAMES D. MANNING, III
LICENSED PROFESSIONAL ENGINEER
STATE OF ILLINOIS
062-059642
01/10/2024
Exp: 11/30/2025

PROJECT NO. 2023-0056
DRAWN BY RLD
CHECKED BY LAO

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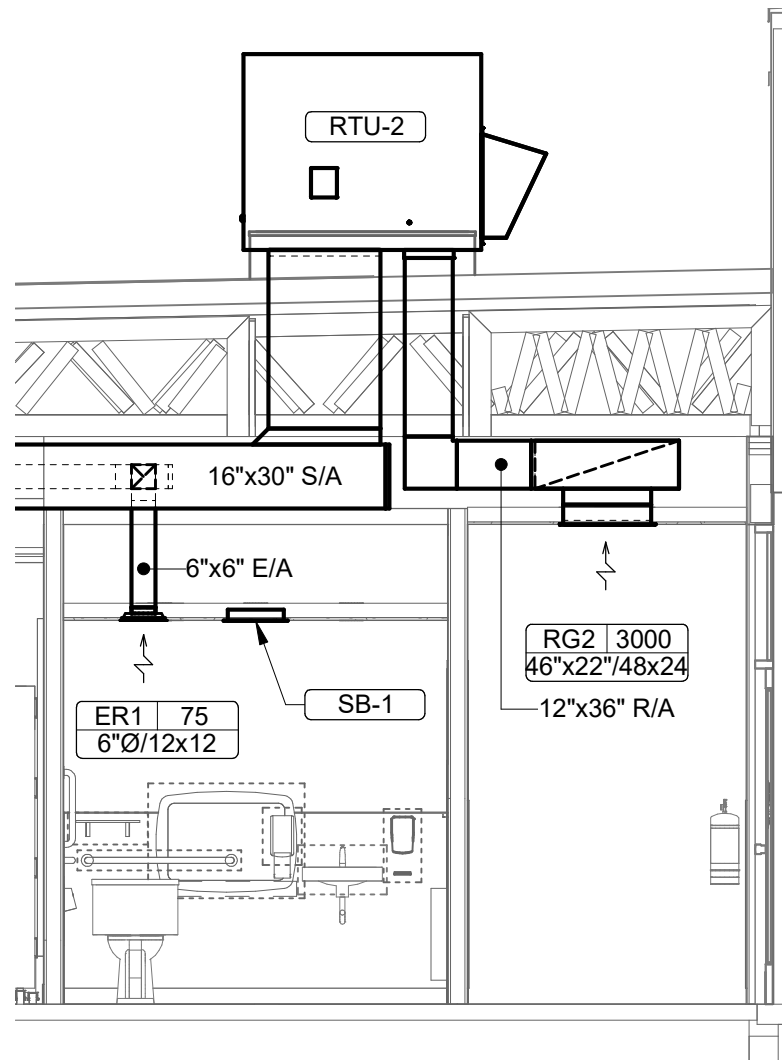
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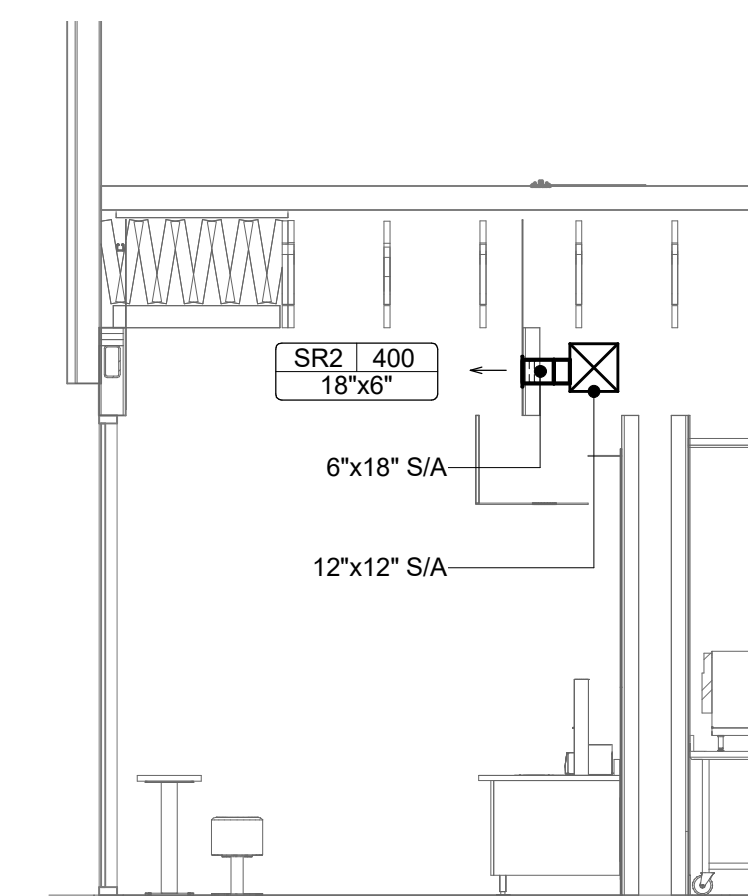
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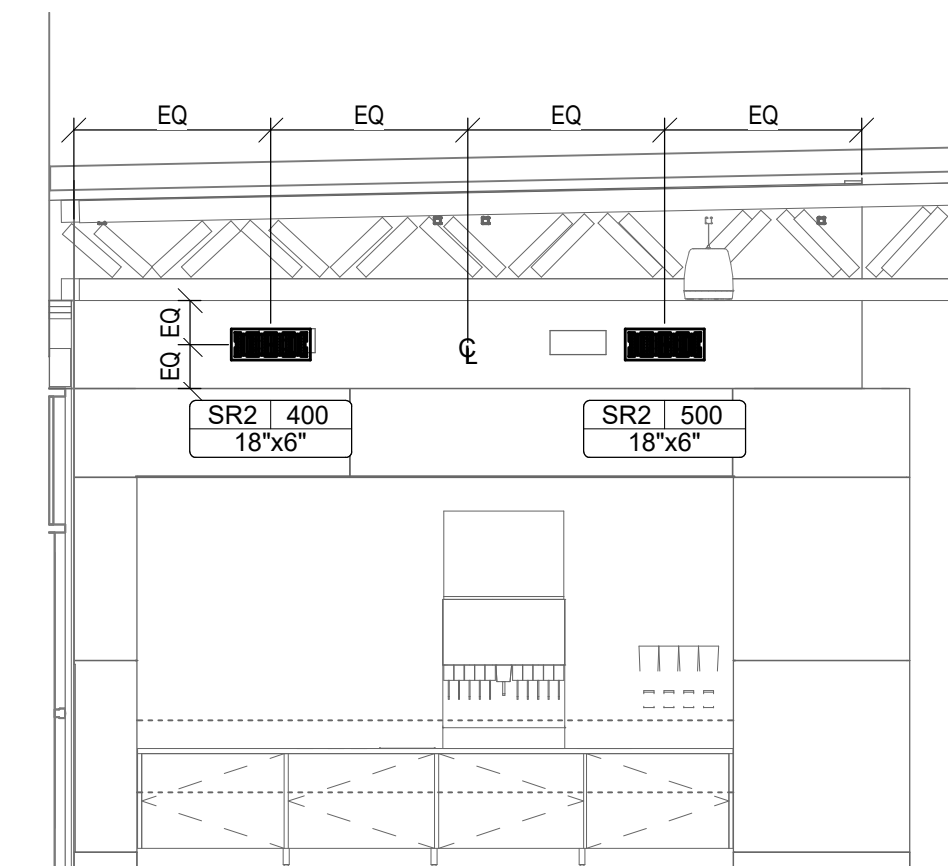
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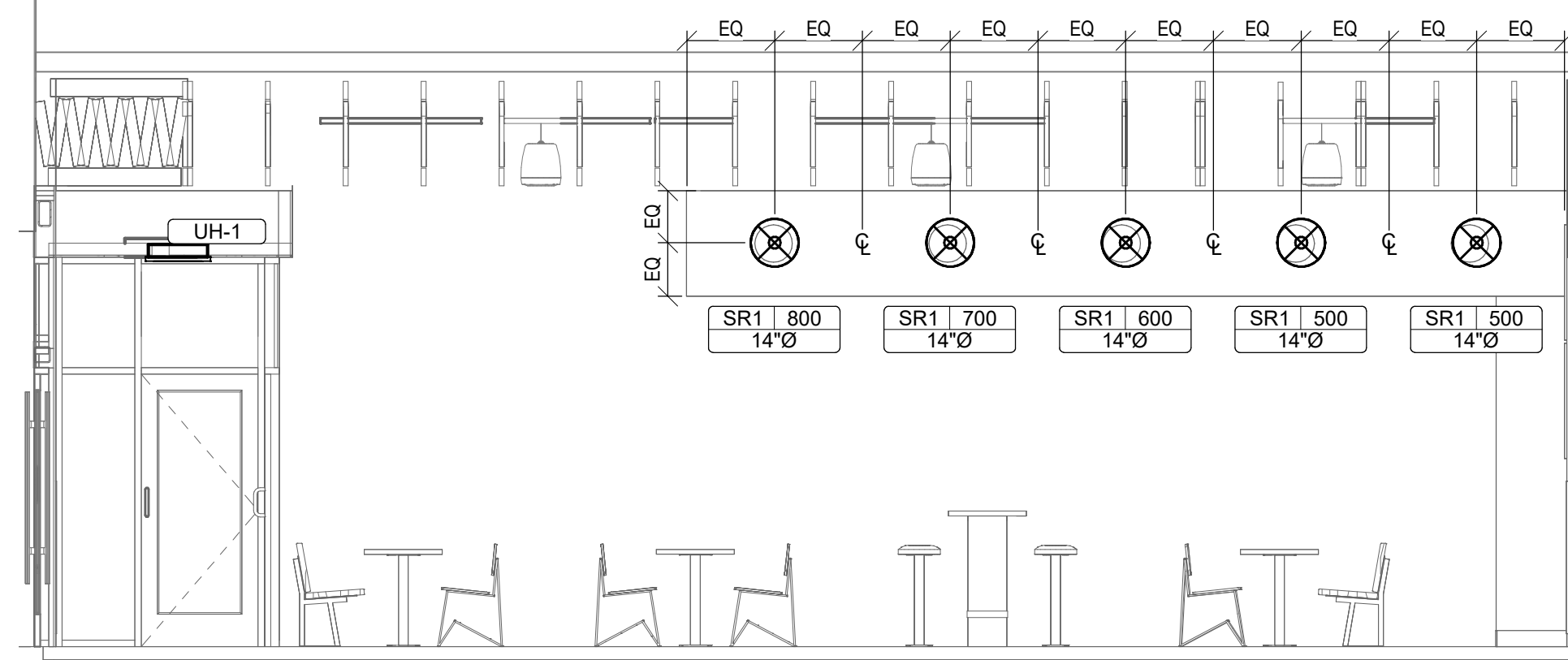
6 HVAC Dining Room Return Section
1/4" = 1'-0"



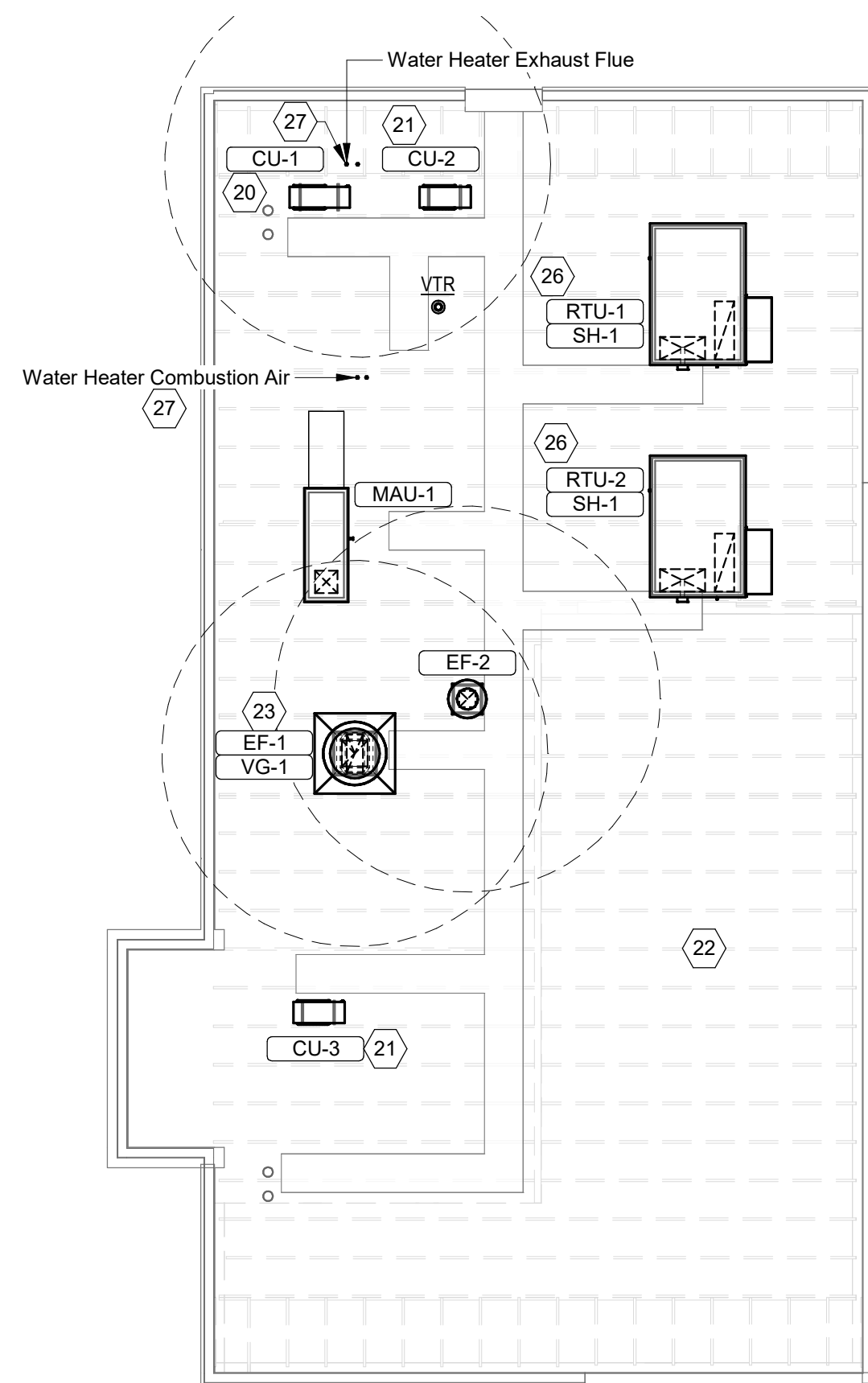
5 HVAC Fountain Area Section
1/4" = 1'-0"



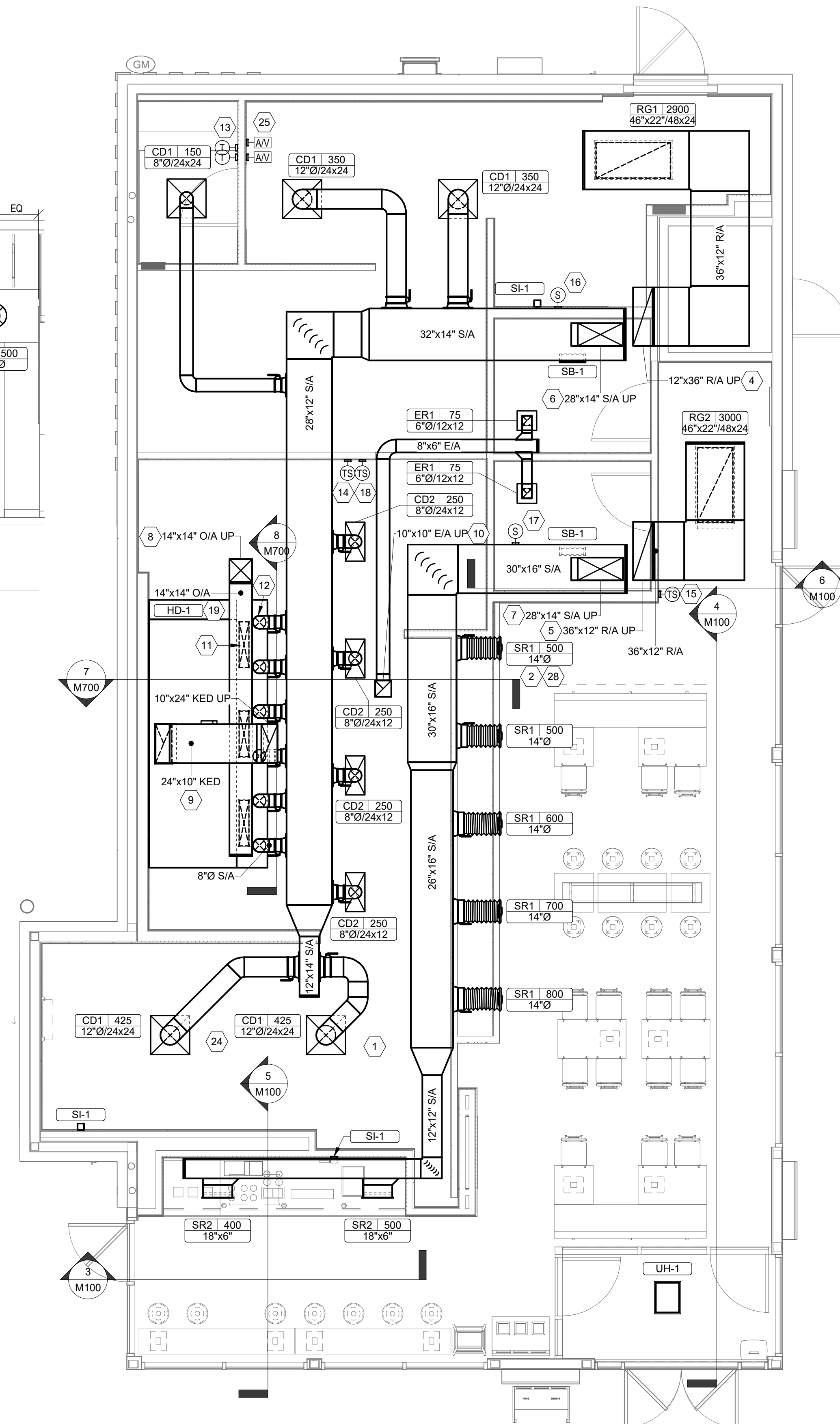
3 HVAC Fountain Area Front Section
1/4" = 1'-0"



4 HVAC Dining Room Section
1/4" = 1'-0"



2 HVAC Roof Plan
1/8" = 1'-0"



1 HVAC Floor Plan
1/4" = 1'-0"

HVAC Plan Notes

- See architectural reflected ceiling plan for ceiling mounted equipment location. Typical.
- Paint ductwork visible through dining room supply registers black. Typical.
- Not used.
- 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.
- 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.
- Duct up from building supply through roof. Transition to RTU-1 supply connection in roof curb.
- Duct up from building supply through roof. Transition to RTU-2 supply connection in roof curb.
- Duct up through roof. Transition to MAU-1 supply connection in roof curb.
- Duct up from hood through roof to EF-1 compliant with NFPA 96. Provide radiused elbows with an inside radius of 0.5W at elbows in grease duct.
- Duct up through roof to EF-2.
- 28/6 duct down to makeup air PSP duct connection. Transition to supply plenum opening size. Typical of 3. Cap unused duct connections.
- 8" dia. duct down to AC PSP duct connection. Transition to supply plenum opening size. Typical. Cap unused duct connections.
- Install 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 60" 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 66" AFF. Coordinate location with equipment. Provide (2) #18G. thermistor cable from temperature sensor to hood control panel.
- 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 is cooking temperatures are detected. Exhaust duct system to be welded or factory-manufactured water and airtight. 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 details 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 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. Typical.

CONSULTANT:

AYRES
MECHANICAL, ELECTRICAL,
PLUMBING (MEP)
1700 West Highway 36 - Suite 700
Roseville, Minnesota 55113
(651) 639-9606 Fax (651) 639-9618
Project No. 81-0585

CLIENT:



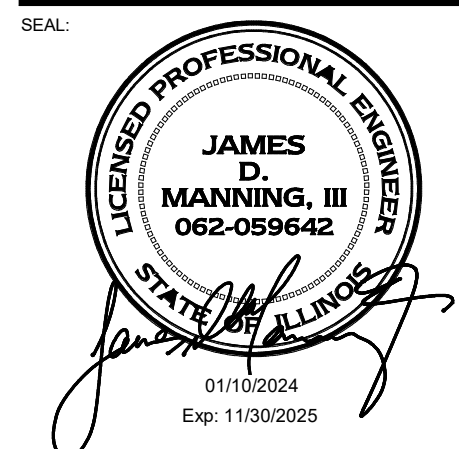
CHIPOTLE MEXICAN GRILL, INC.
PO BOX 162966
COLUMBUS, OH 43216-2966
TELEPHONE: (614) 318-2682
INTERNET: WWW.CHIPOTLE.COM

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STORE NO.: 4915
"LAKE ZURICH"
422 S. Rand Road
Lake Zurich, IL 60047

SEAL:



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REVISIONS:

TITLE:
HVAC Plan

SHEET NUMBER:

M100

HVAC Control Functions

- A. The main cooking exhaust fan (EF-1) and makeup air unit (MAU-1) shall be interlocked to operate together. This control circuit is activated by a switch and includes a fire protection override.
- B. The temperature in each zone is controlled by space temperature sensors connected to the thermostats located in the office. All zones shall operate with continuous fan operation during occupied times and intermittently as needed to maintain set points during unoccupied times. Outside air dampers shall be open continuously when either in occupied mode or when the hood system is ON and shall be closed during unoccupied periods.
- C. The thermostats shall determine occupied/unoccupied status based on the schedule in the energy management system.

Air Balance Schedule						
Identity	Supply Flow	Intake Flow	Return Flow	Exhaust Flow	Net Pressurization	
EF-1				2550 CFM	-2550 CFM	
EF-2				150 CFM	-150 CFM	
MAU-1	1300 CFM	1300 CFM	0 CFM		1300 CFM	
RTU-1	3400 CFM	500 CFM	2900 CFM		500 CFM	
RTU-2	4000 CFM	1000 CFM	3000 CFM		1000 CFM	
Grand total					100 CFM	

Viroguard Schedule										
Identity	Count	Description	Duct Connection Size		Fan	Furnished By	Installed By	Basis of Design Manufacturer		
			Width	Height						
VG-1	1	Viroguard Hood Exhaust Fan Rooftop Containment System	16"	16"	EF-1	TDC	GC	enVIROmatic		

Sanitizing Equipment Schedule									
Identity	Count	Description	Furnished By	Installed By	Basis of Design		Specification		
					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-G-BA	See Plumbing Sheets for installation information.		

Grilles, Registers & Diffusers Schedule												
Identity	Description	Face Size	Material	Finish	Mounting	Furnished By	Installed By	Basis of Design		Specification		
								Manufacturer	Model			
CD1	Perforated Ceiling Diffuser	24x24	Aluminum	White	Lay-In Full Face	GC	GC	Nailor	4320A Type L	Provide with integral OBD.		
CD2	Perforated Ceiling Diffuser	24x12	Aluminum	White	Lay-In Full Face	GC	GC	Nailor	4320A Type L	Provide with integral OBD, remove 4-way deflectors.		
ER1	Perforated Ceiling Exhaust	12x12	Aluminum	White	Surface Mount	GC	GC	Nailor	4330R Type S	Provide with integral OBD.		
RG1	Perforated Ceiling Return	48x24	Aluminum	White	Lay-In Full Face	GC	GC	Nailor	4330R Type L			
RG2	Perforated Ceiling Return	48x24	Aluminum	White	Lay-In Full Face	GC	GC	Nailor	4330R Type S			
SR1	Adjustable Turbo Nozzle		Aluminum	White	Surface Mount	GC	GC	Air Concepts	ANR-14	Provide with concealed mounting and face-accessible OBD. See neck size on plans.		
SR2	Double Deflection Supply Register		Aluminum	White	Surface Mount	GC	GC	Nailor	51DH	Provide with integral OBD. See neck size on plans.		

Condensing Unit Schedule												
Identity	Description	Refrigerant		Product Weight	Electrical		Furnished By	Installed By	Basis of Design		Specification	
		Type	Charge		Voltage	Phase			Manufacturer	Model		
CU-1	Condensing Unit - Walk-In Cooler	R-404A	10.40 lbm	250 lb	208 V	3	WCS	GC	Harford	KPCL99MZOP-3E		Furnished with walk-in cooler.
CU-2	Remote Condenser - Low Capacity Ice Maker	R-404A	11.46 lbm	100 lb	120 V	1	KES	GC	Hoshizaki	URC-9F		Furnished with ice maker.
CU-3	Remote Condenser - Soda Machine Ice Maker	R-404A	3.86 lbm	100 lb	120 V	1	KES	GC	Hoshizaki	URC-5F		Furnished with ice maker.

Exhaust Fan Schedule												
Identity	Description	Fan Design			Motor Power	Electrical Voltage	Phase	Furnished By	Installed By	Basis of Design		Specification
		Airflow	ESP	Weight						Manufacturer	Model	
EF-1	Upblast UL762 Exhaust Fan	2550 CFM	1.45 in-wg	220 lb	2.0 hp	208 V	3	HS	GC	CaptiveAire	DU180HFA	Direct drive UL762 listed fan furnished with weatherproof disconnect and vented roof curb.
EF-2	Downblast Restroom Exhaust Fan	150 CFM	0.60 in-wg	81 lb	0.3 hp	120 V	1	HS	GC	CaptiveAire	DR12HFA	Direct drive restroom exhaust fan furnished with integral disconnect, speed control, backdraft damper, and curb.

Make-Up Air Unit Schedule																
Identity	Description	Airflow	ESP	Heating			Weight	Electrical			Furnished By	Installed By	Basis of Design		Specification	
				Input Rating	Output Rating	EAT		Motor Power	Voltage	Phase			Manufacturer	Model		
MAU-1	Make-Up Air Unit	1300 CFM	0.50 in-wg	225000 Btu/h	220000 Btu/h	-1 °F	650 lb	1.00 hp	208 V	3	HS	GC	CaptiveAire	A1-D.250-15D	12.5:1 Turndown. Furnished with disconnect, roof curb, screen intake, and washable aluminum filters.	

Kitchen Hood Schedule																							
Identity	Description	Max Cooking Temp	Exhaust Plenum						Perforated Supply Plenums						No. of Light Fixtures	Weight	Electrical		Furnished By	Installed By	Basis of Design		Specification
			Airflow	ESP	Duct Collars			MAU Plenum			AC Plenum			Voltage			Phase	Manufacturer			Model		
					Qty	Width	Length	Airflow	Qty	Width	Length	Airflow	Qty									Dia.	
HD-1	Type I Canopy Hood with Perforated MAU and AC Supply Plenums	600 °F	2550 CFM	0.97 in-wg	1	10"	24"	1300 CFM	3	6"	28"	700 CFM	6	8"	8	1150 lb	120 V	1	HS	GC	CaptiveAire	5424 ND-2-ACPS-P	Material: 18 GA. Type 430 SS. Furnished with vertical end panels, vaporproof incandescent light fixtures, 16" tall HE SS filters, integral utility cabinet, kitchen exhaust suppression system, duct collar temperature sensor, prewire package, spare fire system dry contact, and 4-Pole 20A contactor.

Rooftop Unit Schedule																												
Identity	Description	Nominal Capacity	EER	Airflow			Net Cooling Capacity					Outdoor EDB	Heating Capacity			Number of		Refrigerant	Weight	Electrical				Furnished By	Installed By	Basis of Design		Specification
				Total	OA	ESP	Total	Sensible	EAT		Input		Output	EAT	Compressors	Circuits	Type			MOCP	FLA	Voltage	Phase			Manufacturer	Model	
									DB	WB																		
RTU-1	Kitchen Rooftop Unit	8.5 ton	12	3400 CFM	500 CFM	0.80 in-wg	99700 Btu/h	69300 Btu/h	77.4 °F	64.2 °F	95 °F	224000 Btu/h	181000 Btu/h	-1.0 °F	2	2	R-410A	1094 lb	50 A	45 A	208 V	3	HES	GC	Carrier	48FCFM09C2M5-6W4F0	Furnished with comp. enthalpy economizer, barometric relief, return smoke detector w/ remote keyed annunciator/reset, M.O.D., MERV-8 filters, curb, hail guard, tool-less hinged access panels, disconnect, & unit-mounted convenience receptacle.	
RTU-2	Dining Room Rooftop Unit	10.0 ton	12	4000 CFM	1000 CFM	0.80 in-wg	117500 Btu/h	91100 Btu/h	79.1 °F	65.4 °F	95 °F	250000 Btu/h	205000 Btu/h	-1.0 °F	2	2	R-410A	1125 lb	60 A	35 A	208 V	3	HES	GC	Carrier	48FCFN12C2M5-6W4F0	Furnished with comp. enthalpy economizer, barometric relief, return smoke detector w/ remote keyed annunciator/reset, M.O.D., MERV-8 filters, curb, hail guard, tool-less hinged access panels, disconnect, & unit-mounted convenience receptacle.	

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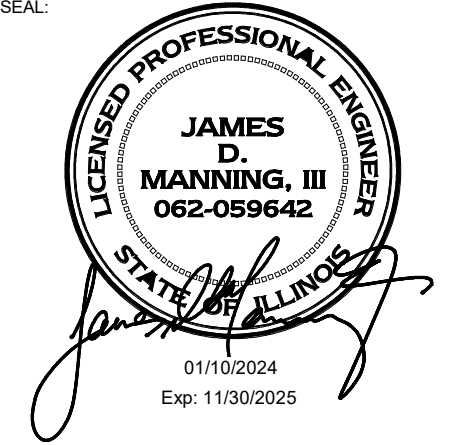
CHIPOTLE MEXICAN GRILL, INC.
PO BOX 18296
COLUMBUS, OH 43218-2968
TELEPHONE: (614) 318-2682
INTERNET: WWW.CHIPOTLE.COM

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422 S. Rand Road
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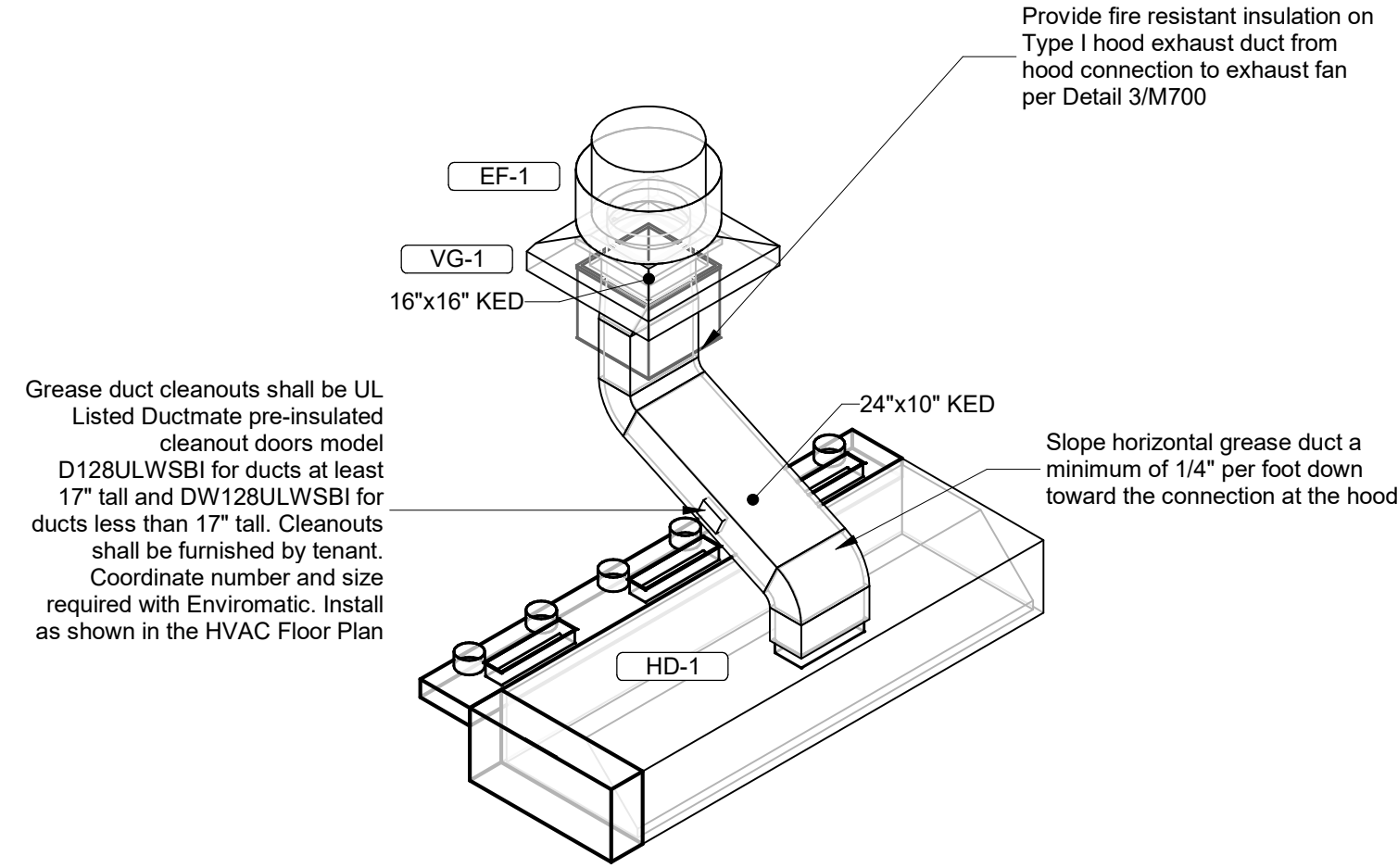
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06/12/2024 BID SET
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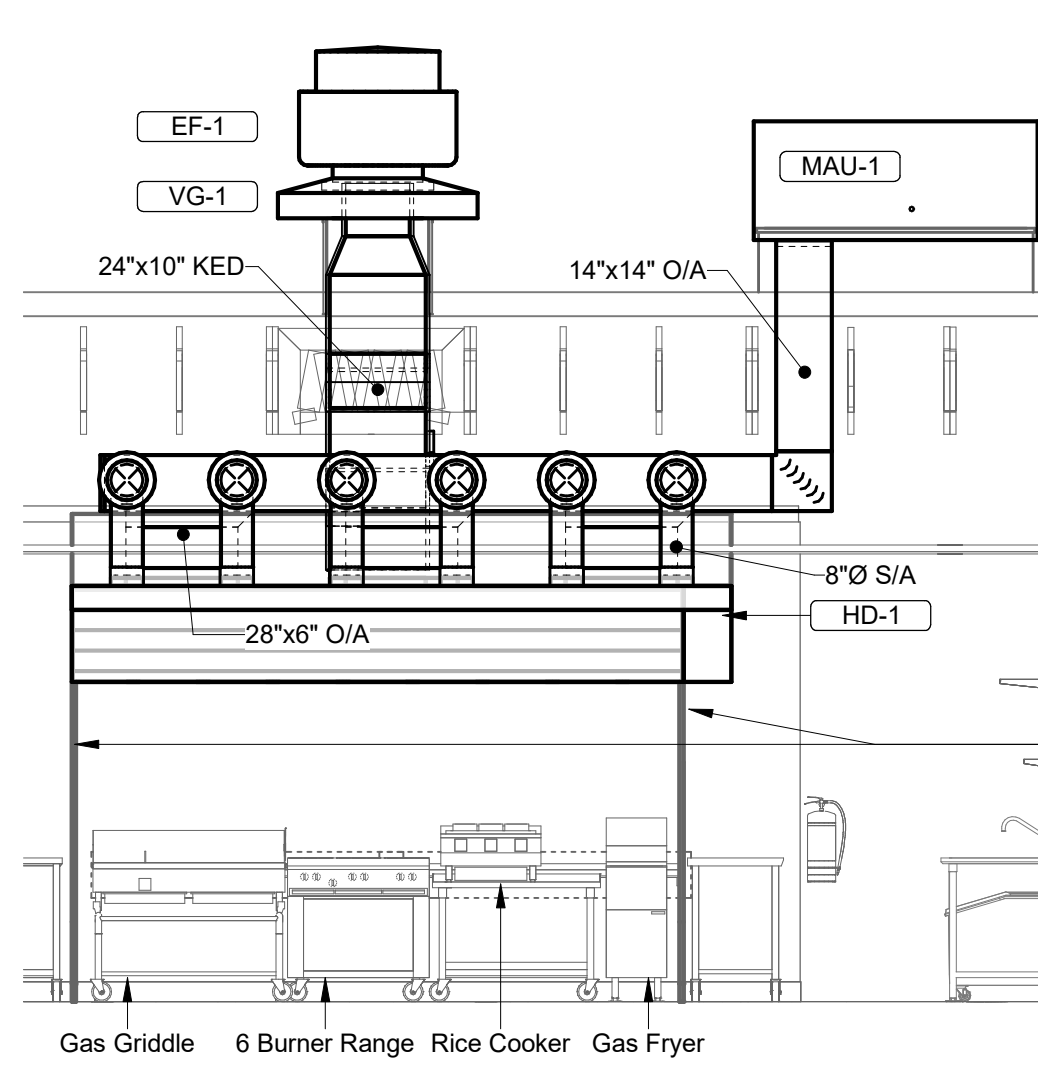
REVISIONS:

TITLE:
HVAC Schedules

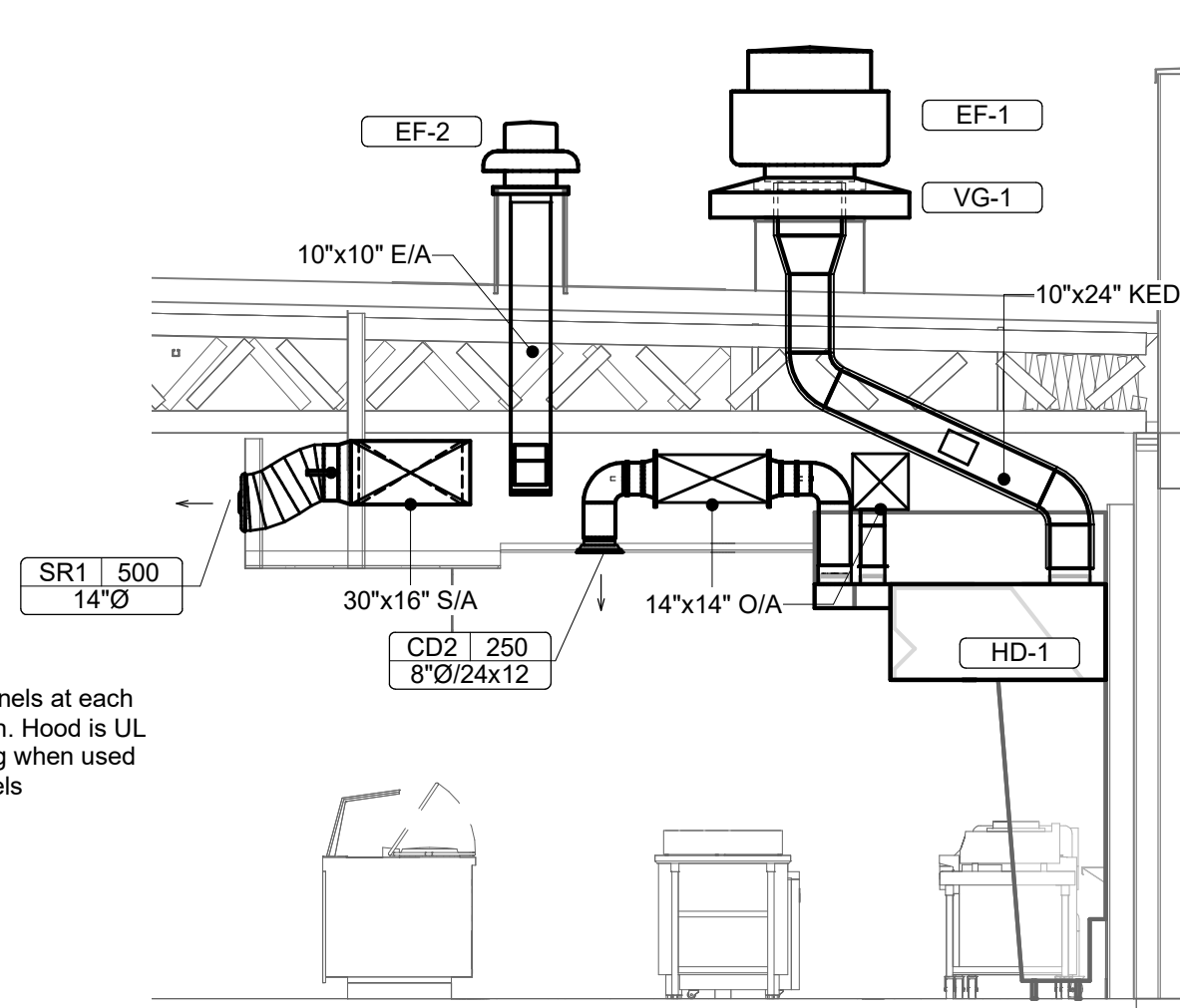
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M600



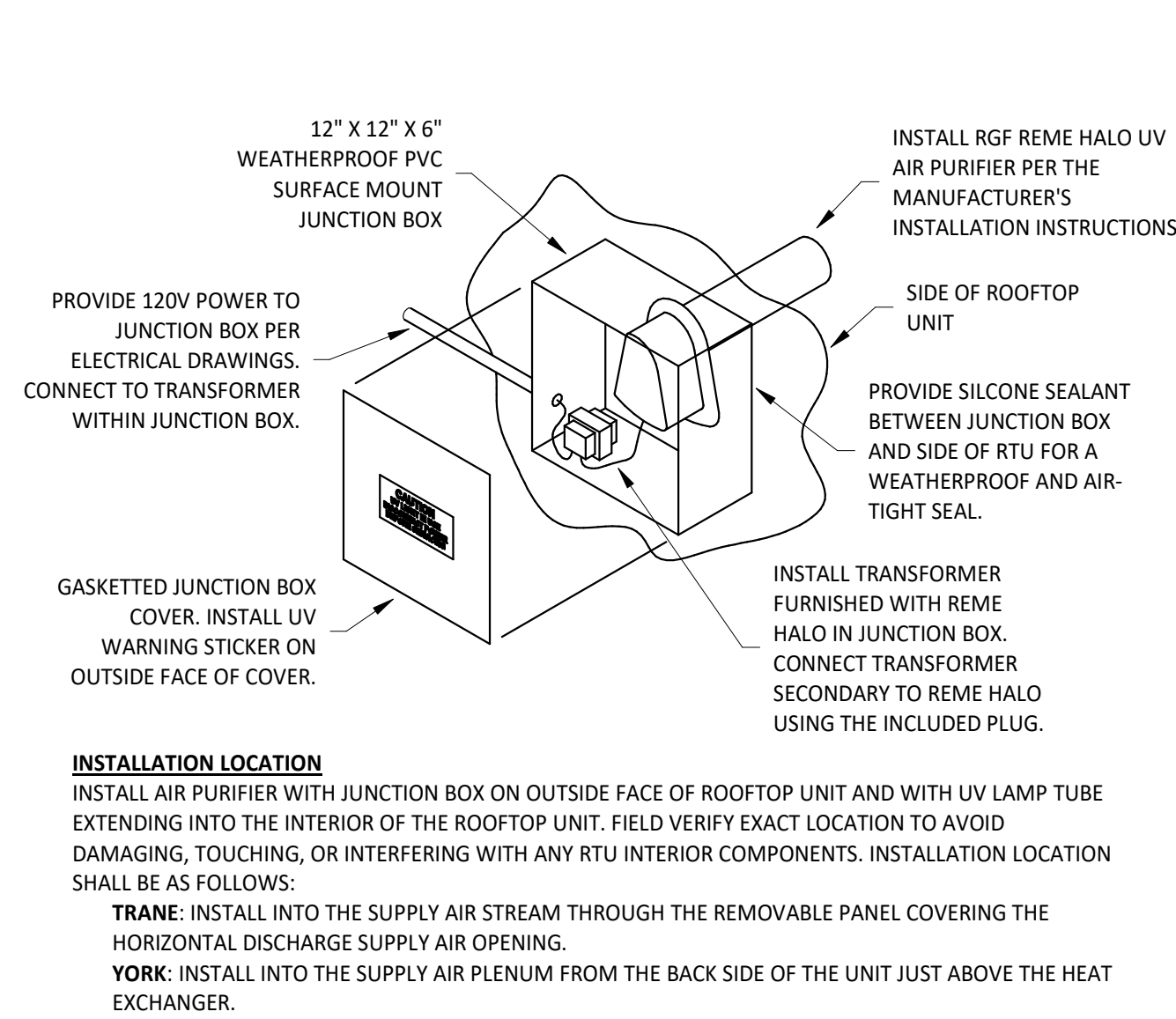
9 Hood Exhaust Riser
NOT TO SCALE



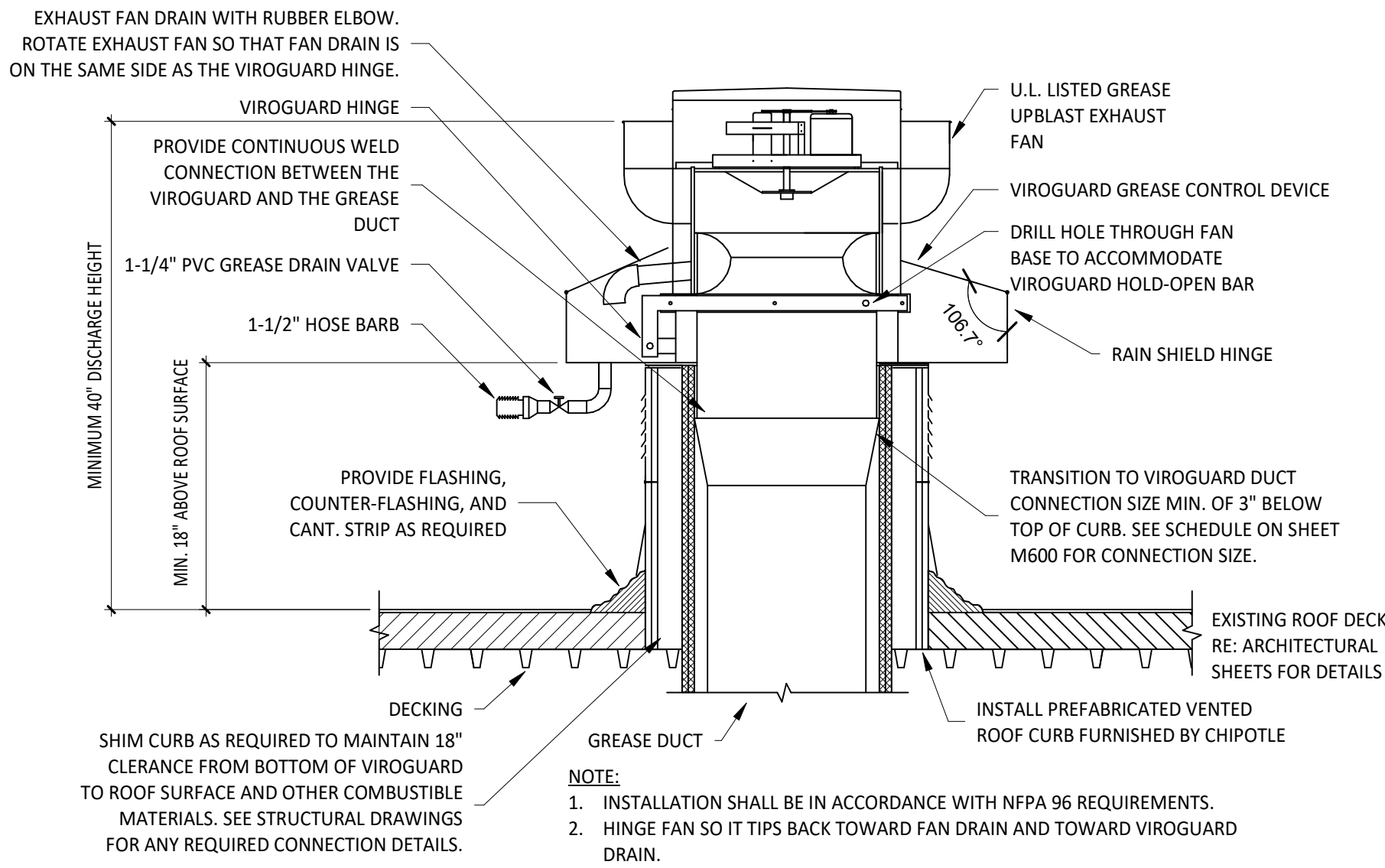
8 Hood Elevation
NOT TO SCALE



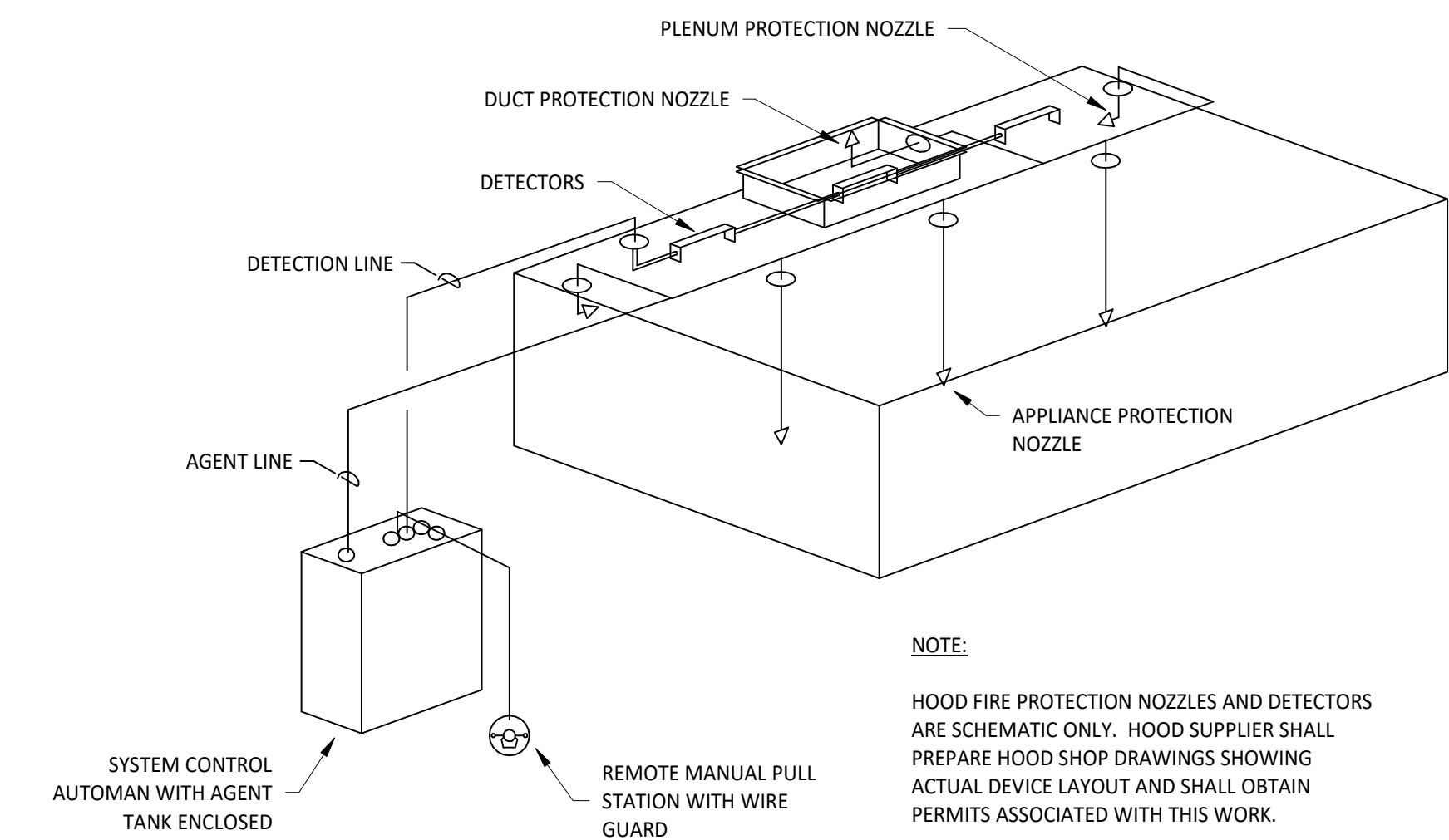
7 Duct Section at Hood
NOT TO SCALE



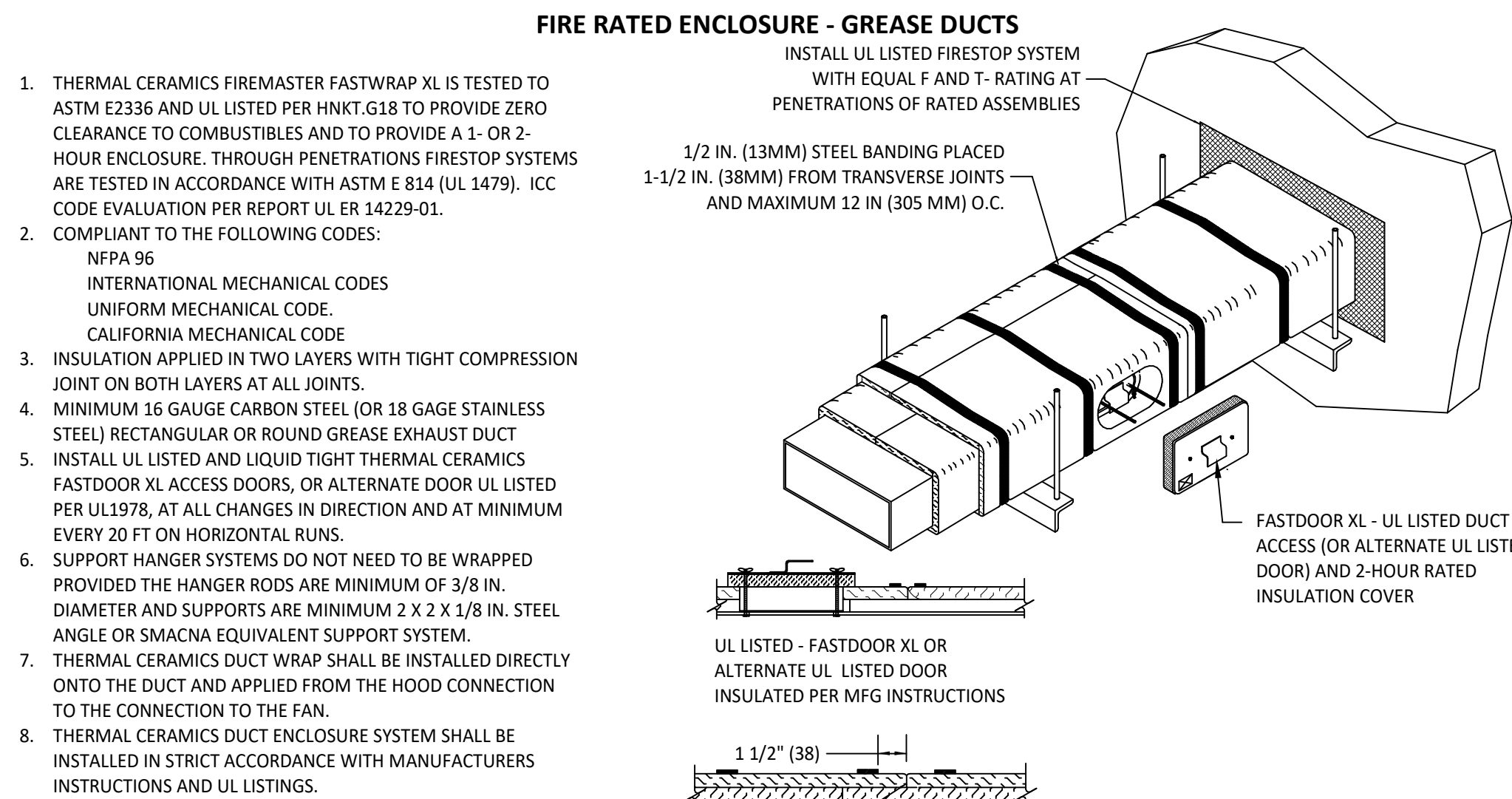
6 H - UV RTU Detail
NOT TO SCALE



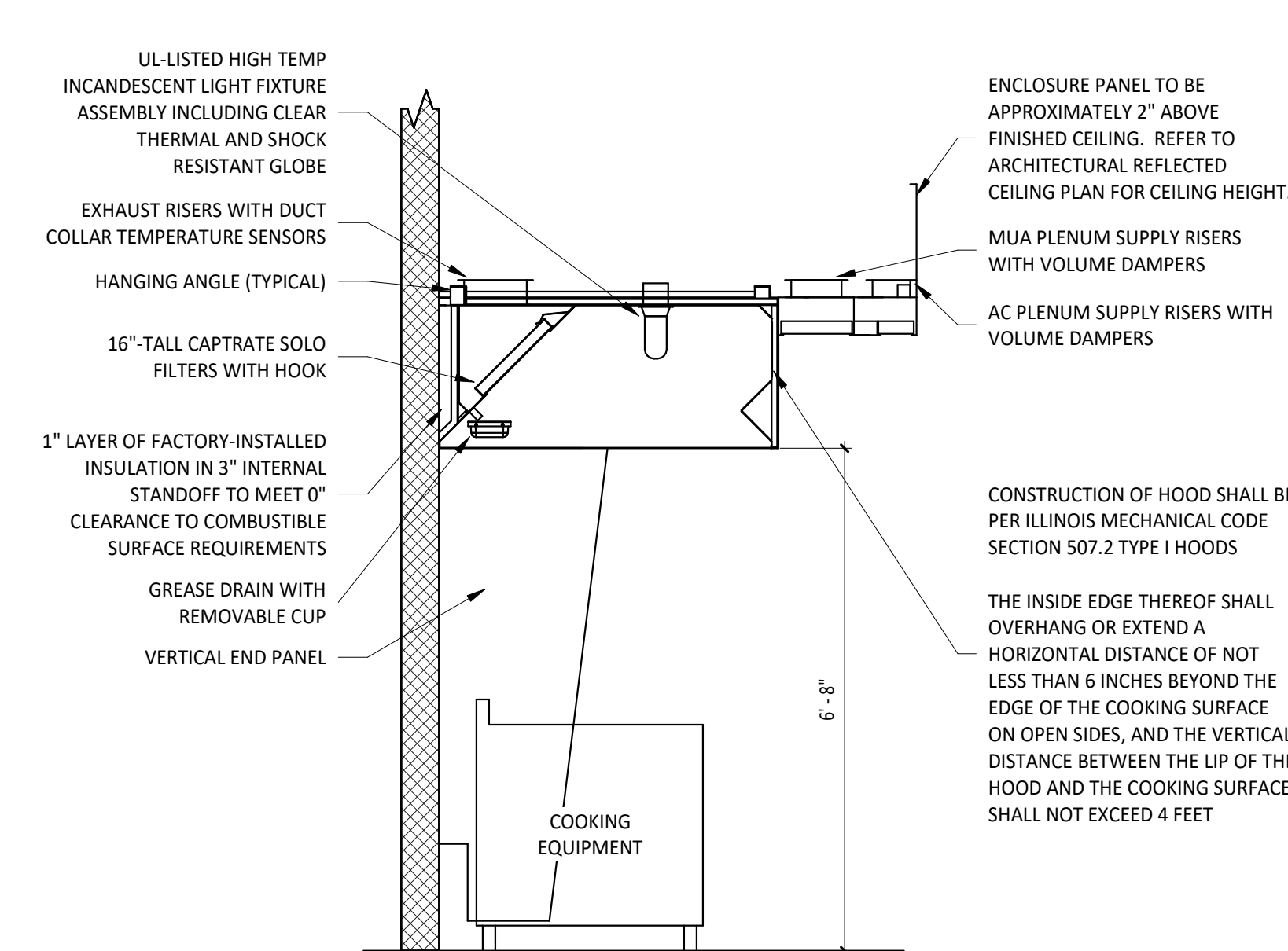
2 H-Grease Exhaust Fan
NOT TO SCALE



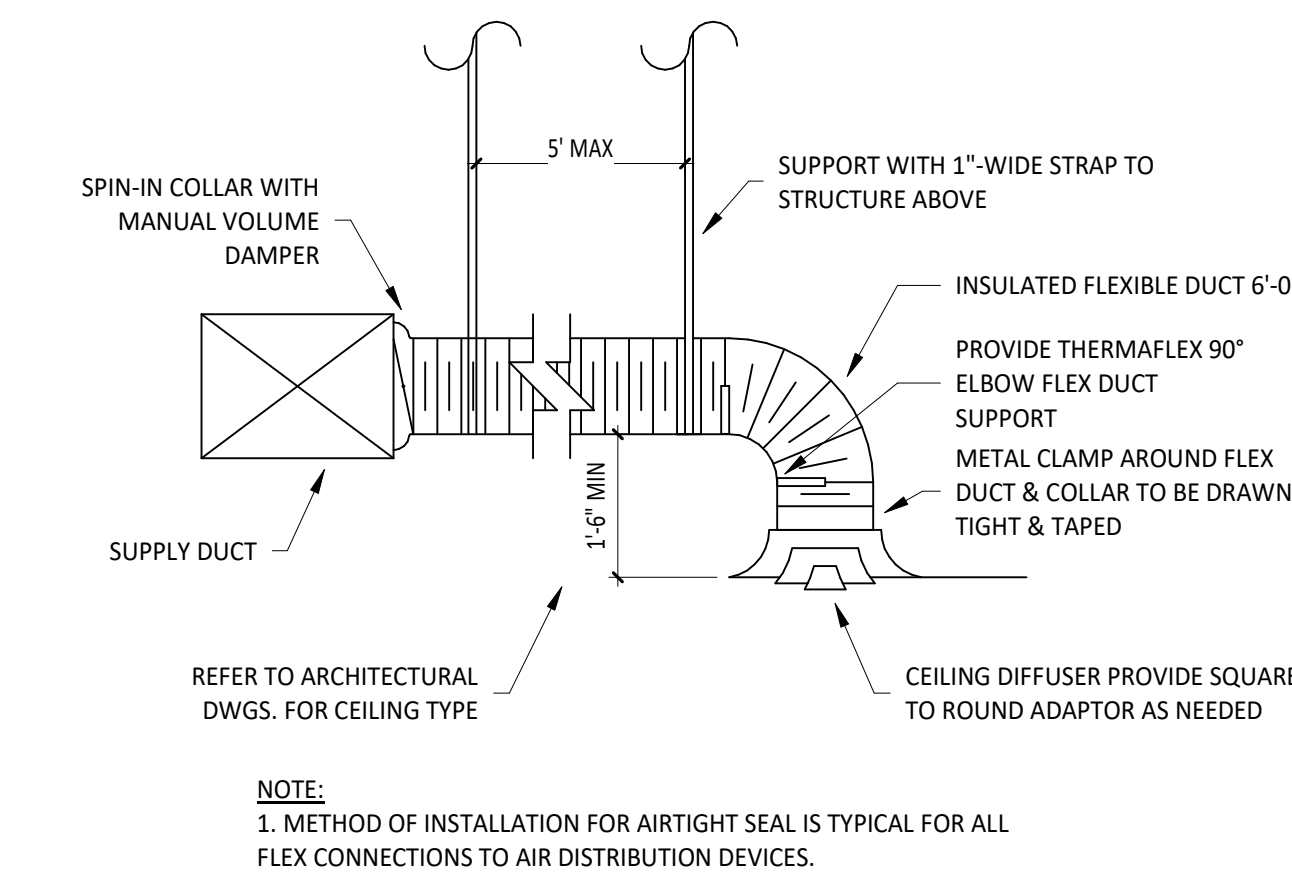
4 H-Fire Supression System Schematic
NOT TO SCALE



3 H-Firemaster Duct Wrap
NOT TO SCALE



1 H-Hood Section View
NOT TO SCALE



5 H-Diffuser Connection
NOT TO SCALE

CLIENT:



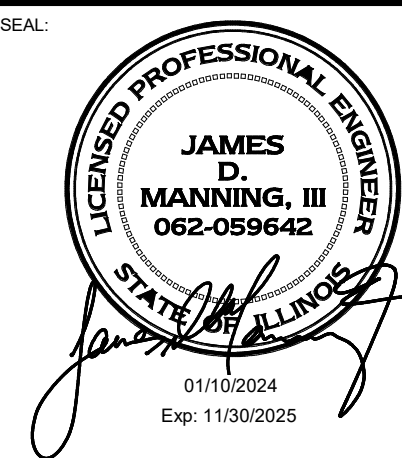
CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182966
COLUMBUS, OH 43218-2966
TELEPHONE: (614) 318-2682
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: 4915
"LAKE ZURICH"
422 S. Rand Road
Lake Zurich, IL 60047

SEAL:



PROJECT NO. 2023-0056

DRAWN BY RLD

CHECKED BY LAO

ISSUE RECORD:

01/10/2024 PERMIT SET

06/12/2024 BID SET

07/03/2024 CONSTRUCTION SET

REVISIONS:

TITLE:
HVAC Details

SHEET NUMBER:

M700

General Plan Symbols		Plumbing Symbols	
	Plan Revision Number		Nominal Pipe Size
	Detail Number on Sheet		Above Ground Piping
	Sheet Number Where Detail is Placed		Below Ground Piping
	Keynote Symbol		Pipe Slope (When Applicable)
	Continuation Symbol		Existing Pipe To Remain
	Point Where New Connects To Existing		Pipe To Be Demolished
	Room Name / Number		Domestic Cold-Water
	Area Being Demolished		Non-Potable Water
	Area Not In Contract		Soft Cold-Water
			Filtered Cold-Water
			Reverse Osmosis Water
			Domestic Hot-Water
			Domestic Hot-Water 140°
			Hot-Water Recirculation
			Hot-Water Recirculation 140°
			Sanitary Drain
			Sanitary Vent
			Sanitary Wet Vent
			Combination DWV
			Condensate Drain
			Indirect Drain
			Grease Waste
			Oil Waste
			Oil Vent
			Pump Discharge
			Solar Water Return
			Solar Water Supply
			Storm Drain
			Storm Overflow
			Compressed Air
			Natural Gas
			Liquid Propane
			Pipe Rise / Drop

Abbreviations			
A, Amp	Ampere	N.C.	Normally Closed
ABV	Above	N.O.	Normally Open
ADA	Americans with Disabilities Act	NC	Noise Criteria
ADD	Addendum	NIC	Not In Contract
AFF	Above Finished Floor	NO, #	Number
AFG	Above Finished Grade	NTS	Not To Scale
AFUE	Annual Fuel Utilization Efficiency	OC	On Center
AHRI	Air Conditioning, Heating and Refrigeration Institute	O/H	Overhead
AHJ	Authority Having Jurisdiction	PC	Pressure Drop
ALT	Alternate	PH	Phase
AP	Access Panel	PLBG	Plumbing
APPROX	Approximately	PRESS	Pressure
ARCH	Architect, Architectural	PRI	Primary
ASPE	American Society of Plumbing Engineers	PSI	Pounds per Square Inch
		PSIG	Pounds per Square Inch Gauge
AUX	Auxiliary	PWR	Power
BFF	Below Finished Floor	QTY	Quantity
BFG	Below Finished Grade	RTU	Roof Drain
BLDG	Building	REC	Recessed
BLW	Below	RED	Reducer
BTU	British Thermal Units	RM	Room
BTUH	British Thermal Units Per Hour	RPM	Revolutions Per Minute
CAP	Capacity	RTU	Packaged Rooftop Unit
CLG	Ceiling	(R)	Relocated
CONST	Construction	SD	Storm Drain
CONT	Continuation or Continuous	SF	Square Foot
CONTR	Contractor	SM	Surface Mount
CW	Domestic Cold Water	SP	Static Pressure
D	Degree	SS	Sanitary Drain
DET	Detail	STD	Standard
DIA	Diameter	SW	Domestic Softened Cold Water
DN	Down		
DWG	Drawing	SYM	Symmetrical
EA	Each	T	Thermostat
EC	Electrical Contractor	TD	Temperature Drop
ELEC	Electric, Electrical	TEMP	Temperature
EQUIP	Equipment	Typical	Typical
EWC	Electric Water Cooler	UNO	Unless Noted Otherwise
EWI	Electric Water Heater	U/G	Underground
EWT	Entering Water Temperature	V	Volt
(E)	Existing	VERT	Vertical
*F	Degrees Fahrenheit	VFD	Variable Frequency Drive
FCO	Floor Cleanout	VSC	Variable Speed Controller
FD	Floor Drain	W	Watt
FL	Floor	WB	Wet Bulb
FLA	Full Load Amps	WIC	Walk-In Cooler
FLR	Floor	WPD	Water Pressure Drop
FOH	Front Of House	W	With
FPM	Feet Per Minute	W/O	Without
FS	Floor Sink		
FT	Foot/Feet	∠	Angle
FW	Domestic Filtered Cold Water	@	At
GAL	Gallon	Δ	Delta
GF	Gas-Fired	′	Feet
GC	General Contractor	″	Inches
GCI	Grade Cleanout	#	Number
GO	Grease Interceptor	Ø	Diameter
GPM	Gallons Per Minute	¢	Center Line
GT	Grease Trap	°	Degree
GW	Grease Waste		
GYP	Gypsum Board		
HORIZ	Horizontal		
HP	Horse Power		
HW	Domestic Hot Water		
IN	Inch		
INV	Invert		
KW	Kilowatt		
KWH	Kilowatt Hour		
LB	Pound		
LWT	Leaving Water Temperature		
LL	Landlord		
MAX	Maximum		
MBH	One Thousand Btu Per Hour		
MC	Mechanical Contractor		
MCA	Minimum Circuit Ampacity		
MCF	One Thousand Cubic Feet		
MECH	Mechanical		
MFR	Manufacturer		
MIN	Minimum		
MISC	Miscellaneous		
MTR	Motor		

NOTE: All of the General Notes on this sheet are to be applied to all other drawings in this set. The Symbols and Abbreviations shown on this sheet may or may not be used in this set of drawings.

Plumbing Specification

Section 15055 - Common Piping Requirements	
Part 1 - General	
A. Section Requirements	
1. Comply with the requirements of the Building Code and the local authority having jurisdiction.	
Part 2 - Products	
2.1 Supporting Devices	
A. Hanger and Pipe Attachments: Factory fabricated with galvanized coating; nonmetallic coated for hangers in direct contact with copper tubing.	
B. Building Attachments: Power actuated type, drive pin attachments with pullout and shear capacities appropriate for supported loads and building materials; UL listing and FM approval for fire protection systems.	
C. Mechanical Anchor Fasteners: Insert-type attachments with pullout and shear capacities appropriate for supported loads and building materials; UL listing and FM approval for fire protection systems.	
Part 3 - Execution	
3.1 Installation	
A. Install piping free of sags and bends.	
B. Install fitting for changes in direction and branch connections.	
C. Install sleeves for pipes passing through concrete and masonry walls, gypsum board partitions, concrete floor, and roof slabs.	
D. Exterior Wall, Pipe Penetrations: Mechanical sleeve seals installed in steel or cast iron pipes for wall sleeves.	
E. Fire Barrier Penetrations: Seal pipe penetrations with through-penetration firestop systems.	
F. Install unions adjacent to each valve and at final connection to each piece of equipment.	
G. Install dielectric unions and flanges to connect piping materials of dissimilar metals in gas piping.	
H. Install dielectric coupling and nipple fittings to connect piping materials of dissimilar metals in water piping.	
I. Provide full ring escutcheons at plumbing penetrations through walls or ceilings. Tightly seal escutcheons to the adjacent surface.	
3.2 Hanger and Supports	
A. Install building attachments within concrete or to structural steel. Install additional attachments at concentrated loads, including valves, flanges, guides, strainers, expansion joints, and at changes in direction of piping.	
B. Install powder actuated drive pin fasteners in concrete after concrete is cured. Do not use in lightweight concrete or in slabs less than 4 inches thick.	
C. Install mechanical anchor fasteners in concrete after concrete is cured. Do not use in lightweight concrete or in slabs less than 4 inches thick.	
D. Support fire protection system piping independent of other piping.	
E. Load Distribution: Install hangers and supports so piping live and dead loading and stresses from movement will not be transmitted to connected equipment.	
End of Section 15055	
Section 15080 - Mechanical Insulation	
Part 1 - General	
1.1 Section Requirements	
A. Submittals: None.	
B. Quality Assurance: Labeled with maximum flame-spread rating of 25 and maximum smoke developed rating of 50 according to ASTM E 84.	
Part 2 - Products	
2.1 Pipe Insulations	
A. Performed Glass Fiber Pipe Insulation: ASTM C 547, Class 1, with factory applied, all purpose, vapor retarder jacket.	
B. Polyolefin Pipe Insulation: Unicellular polyethylene, performed pipe insulation. Comply with ASTM C 534, Type I, except for density.	
Part 3 - Execution	
3.1 Installation	
A. Install vapor barriers on insulated pipes with surface operating temperatures below 60 deg F.	
B. Insulate fittings, valves, and specialties.	
C. Seal vapor barrier penetrations for hangers, supports, anchors, and other projections.	
D. Coat glass fiber pipe insulation ends with vapor barrier coating.	
E. Roof Penetrations: Insulate interior applications to a point even with the top of the roof flashing.	
F. Exterior Walls and Partitions Penetrations: Apply insulation continuously through walls and partitions, except fire rated walls and partitions.	
G. Interior Walls and Partitions Penetrations: Apply insulation continuously through walls and partitions, except fire rated walls and partitions.	
H. Fire Rated Walls and Partitions Penetrations: Terminate insulation at penetrations through fire rated walls and partitions. Seal around penetrations with through penetration firestop systems.	
I. Floor Penetrations: Terminate insulation at the underside of the floor assembly and at the floor support at top of floor. Seal around penetration with through penetration firestop systems.	
J. Glass Fiber Insulation Installation: Bond insulation to pipe with adhesive. Seal seams and joints with vapor barrier compound.	
K. Interior Piping System Applications: Insulate the following piping systems:	
1. Domestic cold, hot, and recirculation water pipes.	
2. Exposed sanitary drains and water supply pipes for public hand sinks.	
3. Refrigeration piping.	
L. Do not apply insulation to the following systems, materials, and equipment:	
1. Flexible connectors.	
2. Fire protection piping systems.	
3. Sanitary drainage and vent piping	
4. Chrome plated pipes and fittings, except for plumbing fixtures for the disabled.	
5. Piping specialties, including air changers, union, strainers, check valves, plug valves, and floor regulators.	
M. Pipe Insulations Thickness Application Schedule: Insulate piping with the following materials and thicknesses:	
1. Domestic Hot and Recirculations water pipes: 1-inch preformed glass fiber pipe insulations.	
2. Domestic Cold Water: 1/2-inch preformed glass fiber pipe insulation.	
3. P-Trap and Fixture Supplies for public hand sinks: ADA-compliant pre-formed insulation.	
End of Section 15080	
Section 15110- Valves	
Part 1 - General (Not Applicable)	
Part 2 - Products	
2.1 General Duty Valves	
A. End Connections: Threads shall comply with NASI B1.20.1. Flanges shall comply with ANSI B16.1 for cast iron valves and ANSI B16.24 for bronze valves. Solder-joint connections shall comply with ANSI B16.18.	
B. Ball Valves: Rated for 150 psig saturated steam pressure, 400 psig WOG pressure; 2 piece construction; with bronze body, standard (or regular) port, chrome plated brass ball, replaceable "Teflon" or "TFE" seats and seals, blowout proof stem, and vinyl covered steel handle.	
C. Plug Valves: Rated for 150 psig WOG; bronze body with straightaway pattern, square head, and threaded ends.	
D. Swing Check Valves: Class 125, cast bronze body and cap; with horizontal swtling, Y-pattern, and bronze disc.	
E. Valves for Copper Tube: Solder ends, except provide threaded ends for heating hot water and low pressure steam service.	
F. Valves for Steel Pipe: Threaded ends.	
Part 3 - Execution	
3.1 Installation	
A. Use gate and ball valves for shutoff duty and ball for throttling duty.	
B. Locate valves for easy access and provide separate support where necessary.	
C. Install accessible valves for each fixture and item of equipment.	
D. Install valves in horizontal piping with stem at or above center or pipe.	
E. Install valves in a position to allow full stem movement.	
F. Install check valves for proper direction fo flow in horizontal position with hinge pin level.	
End of Section 15110	
Section 15140 - Domestic Water Piping	
Part 1 - General	
1.1 Section Requirements	
A. Performance Requirements: Unless otherwise indicated minimum pressure requirement for water piping are as follows:	
1. Service Entrance Piping: 100 psig.	
2. Domestic Water Piping: 80 psig.	
B. Comply with NSF 14 "Plastic Piping Components and Materials."	
C. Comply with NSF 61 "Drinking Water System Components - Health Effects."	
Part 2 - Products	
2.1 Pipes and Tubes (See Material Schedule on sheet O010 for where these materials are to be used)	
A. Hard Copper Tube: ASTM B 88, Types L and M, water tube, drawn temper.	
B. PVC Plastic, Water Pipe: ASTM D 1785, Schedule 80, plain ends.	
2.2 Fittings	
A. Wrought Copper, Solder Joint PResure Fittings: ASME B 16. 22.	
B. Cast Copper Alloy, Solder Joint Pressure Fittings: ASME B 16.18.	
C. Bronze Flanges: ASME B 16.18, cast copper alloy body, hexagonal stock, with ball and socket joint, metal to metal seating surfaces, and solder joint, threaded, or solder joint and threaded ends. Threads complying with ASME B 1.20.1.	
E. PVC Plastic, Schedule 80, Socket Type Pipe Fittings: ASTM D 2467.	
2.3 Joining Materials	
A. Solder Filler Metal: ASTM B 32, lead free	
B. Brazing Filler Metals: AWS A5.58, Alloys to suit system requirements.	
C. Solvent Cements: As recommended by manufacturer.	
D. Plastic Pipe Seals: ASTM F 477, elastomeric gasket.	
Part 3 - Execution	
3.1 Valve Applications	
A. Install gate valves close to main on each branch and riser serving two or more plumbing fixtures or equipment connections and where indicated.	
B. Install gate or ball valves on inlet to each plumbing equipment item, on each supply to each plumbing fixture not having stops on supplies, and elsewhere as indicated.	
C. Install drain valve at base of each riser, at low points of horizontal runs, and where required to drain water distribution piping system.	
D. Install swing check valve on discharge side of each pump and elsewhere as indicated.	
E. Install ball valves in each hot water circulating loop and discharge side of each pump.	
3.2 Piping Installations	
A. Install hangers and supports at intervals indicated in the applicable plumbing code and as recommended by pipe manufacture.	
B. Support vertical piping at each floor.	
3.3 Inspecting and cleaning	
A. Inspect and test piping systems following procedures of authorities having jurisdiction.	
B. Clean and disinfect water distribution piping following procedures of authorities having jurisdiction.	
End of Section 15140	

Section 15150 - Sanitary Waste and Vent Piping

Part 1 - General

1.1 Section Requirements

A. Minimum Pressure Requirement for Soil, Waste and Vent: 10 feet head

B. Comply with NSF 14 "Plastic Piping Components and Related Materials".

Part 2 - Products

2.1 Pipes and Tubes

A. PVC Plastic, DWV Pipe: ASTM D 2665, Schedule 40, plain ends.

2.2 Fittings

A. PVC Plastic, DWV Pipe Fittings: ASTM D 2665, made to ASTM D 3311; socket type, drain, waste, and vent pipe patterns.

Part 3 - Execution

3.1 Piping Installation

A. Install cleanout and extension to grade at connection of building sanitary drain and building sanitary sewer.

B. Locate drainage piping runouts as close as possible to bottom of floor slab supporting fixtures or drains.

3.2 Inspection

A. Inspect and test piping systems following procedures of authorities having jurisdiction.

End of Section 15150

Section 15198 - Natural Gas Piping

Part 1 - General

1.1 Section Requirements

A. Quality Assurance: Comply with NFPA 54 and the Plumbing Code.

Part 2 - Products

2.1 Pipe, Tube, and Specialties

A. Steel Pipe: ASTM A 53, Type S (Seamless), Grade B, Schedule 40, plain ends.

B. Malleable Iron Threaded Fittings: ASME B16.3, Class 150.

C. Manual Valves: Comply with standards listed or, if appropriate, to ANSI Z21.15.

D. Gas Stops: AGA certified, bronze-body, plug type with bronze plug, for 2-psig or less natural gas. Include AGA stamp, flat or square head or level handle, and threaded ends complying with ASSME B1.20.1.

E. Gas Valves: 150-psig WOG, cast-iron or bronze body, bronze plug, straightaway pattern, square head, tapered-plug type.

F. Gas Pressure Regulators: ANSI Z21.18, single stage, steel jacketed, corrosion resistant pressure regulators. Include atmospheric vent, elevation compensator. Regulator pressure ratings, inlet and outlet pressures, and flow volume in cubic feet per hour of natural gas at specific gravity are as indicated.

G. Line Gas Pressure Regulators: Inlet pressure rating not less than system pressure.

H. Flexible Connectors: ANSI Z21.24, copper alloy.

I. Strainers: Bronze body, Y-pattern, full size of connecting piping. Include stainless-steel screens with 3/64 inch perforations and a pressure rating of 125-psig-minimum, WOG working pressure.

Part 3 - Execution

3.1 Installation

A. Close equipment shutoff valves before turning off gas to premises or section of piping. Perform leakage test as specified to determine that all equipment is turned off in affected piping section.

B. Install shutoff valve, downstream from gas meter, outside building at gas service entrance.

C. Install gas stops for shutoff to appliances with NPS 2" or smaller low pressure gas supply.

D. Drops and Sediment Traps: Install drips at points where condensate may collect. Include outlets of gas meters. Locate where readily accessible to permit cleaning and emptying. Do not install where condensate would be subject to freezing.

E. Install gas piping at uniform slope of 0.1 percent upward toward risers.

F. Connect branch piping front top or side of horizontal piping.

G. Install strainers on supply side of each control valve, gas pressure regulator, solenoid valve, and elsewhere as indicated.

H. Install valves in accessible locations, protected from damage.

I. Install gas valve upstream from each gas pressure regulator. Where two gas-pressure regulators are installed in series, valve is not required at second regulator.

J. Connect gas piping to equipment and appliances with shutoff valves and unions. Install gas valve upstream from and within 36 inches of each appliance using gas. Install union or flanged connection downstream from valve.

K. Inspect, test, purge piping according to NFPA 54, Part 4, "Gas Piping Inspection, Testing and Purging", and requirement of authorities having jurisdiction.

End of Section 15198

Section 15410 - Plumbing Fixtures

Part 1 - General

1.1 Section Requirements

Submittals: None.

A. Comply with requirements of Public Law 102-486, "Energy Policy Act", regarding water flow rate and water consumption of plumbing fixtures.

B. Comply with applicable standards below:

1. Enameled, Cast Iron Fixtures: ASME A112.19.1M.

2. National Sanitation Foundation Construction: NFS2.

3. Porcelain Enameled Fixtures: ASME A112.19.4M.

4. Slip Resistant Bathing Surfaces: ASTM F 462

5. Stainless Steel Fixtures: ASME A112.19.3M.

6. Vitreous China Fixtures: ASME A112.19.2M.

Part 2 - Products

2.1 Refer to the fixture schedule on drawing P600

Part 3 - Execution

3.1 Installation

A. Install fixtures with flanges and gasket seals.

B. Install flushometer valves for accessible water closets and urinals with handle mounted on wide side of compartment. Install other actuators in locations that are easy for the disabled to reach.

C. Fasten wall hanging plumbing fixtures securely to supports attached to building substrate when support are specified, and to building wall construction where no support is indicated.

D. Fasten floor mounted fixtures to substrate. With fixtures having holders for securing fixture to wall construction, fasten to reinforcement built into walls.

E. Fasten wall mounted fittings to reinforcement built into walls.

F. Fasten counter mounted plumbing fixtures to casework.

G. Secure supplies to supports or substrate within pipe space behind fixture.

H. Set mop basins in leveling bed of cement grout.

I. Install individual supply inlets, supply stops, supply risers, and tubular brass traps with cleanouts as fixture.

J. Install water supply stop valves in accessible locations.

K. Install traps on fixtures outlets. Omit traps on fixtures having integral traps. Omit traps on indirect wastes, unless otherwise indicated or required by the Authority Having Jurisdiction.

L. Install full-rung escutcheons at wall, floor, and ceiling penetrations in exposed, finished locations and within cabinets and millwork. Use deep pattern escutcheons where required to conceal protruding pipe fittings.

M. Install piping connections between plumbing fixtures and piping systems and plumbing equipment. Install insulation on supplies and drains of fixtures and the disabled.

N. Ground equipment. Tighten electrical connectors for terminals according to UL 486A and UL 486B.

End of Section 15410

Section 15554 - Flues and Vents

Part 1 - General

1.1 Section Requirements

A. Submittals: None

Part 2 - Products

2.1 Gas Vents

A. Vent/air intake for high efficiency domestic water heater. Follow manufacturer's recommendations for sizing and material.

B. Accessories: Tees, elbows, increasers, draft hood connectors, metal cap with bird barrier, adjustable roof flashing, storm collar, support assembly, thimbles, firestopping spaces, and fasteners; fabricated of similar materials and designs as vent-pipe straight sections.

Part 3 - Execution

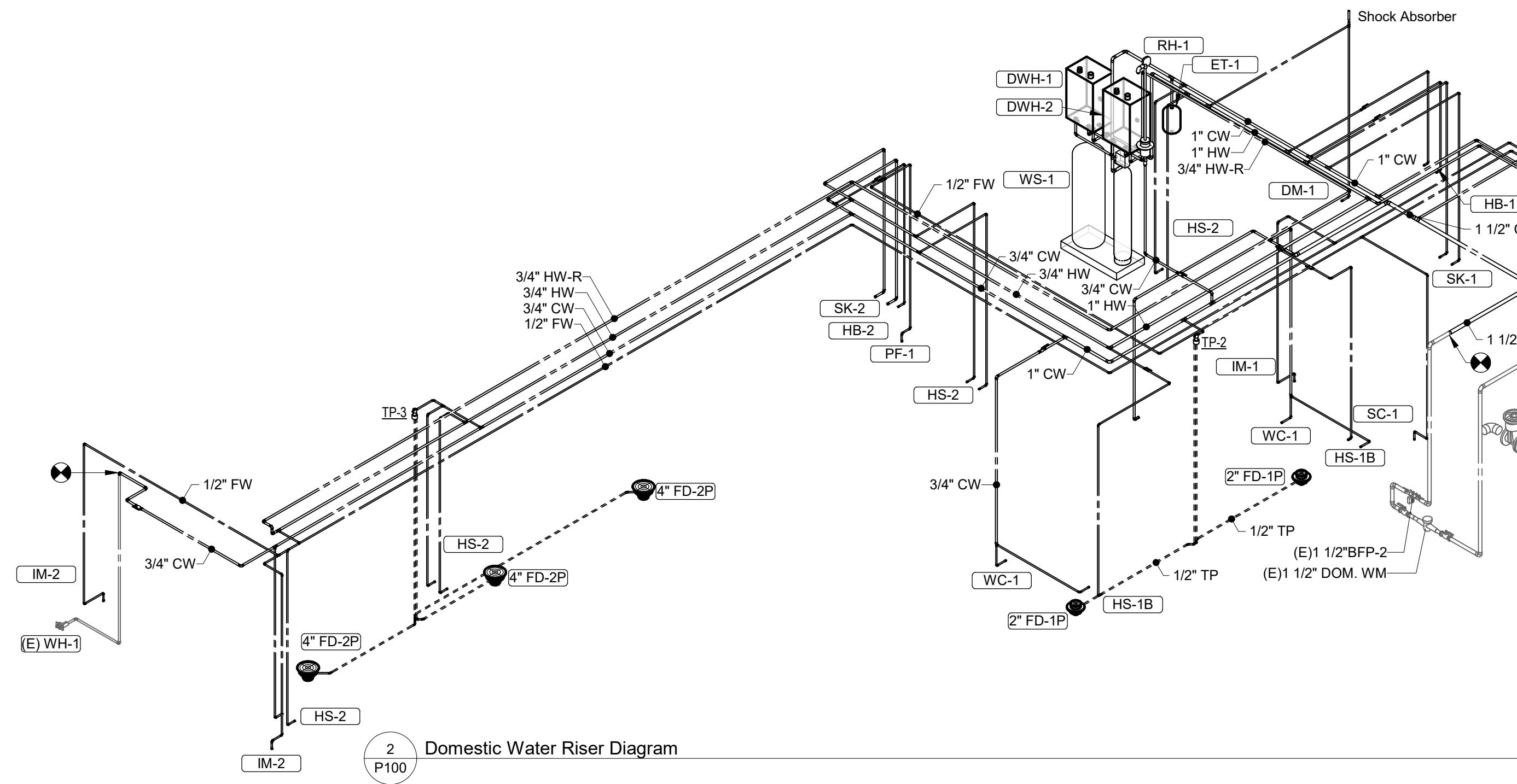
3.1 Installation

A. Install vents according to stipulated minimum clearances from combustibles.

B. Seal between sections of positive pressure vents using only sealants recommended by manufacturer.

C. Support vents at intervals to support the weight of the vent and all accessories, without exceeding loading of appliances.

End of Section 15554

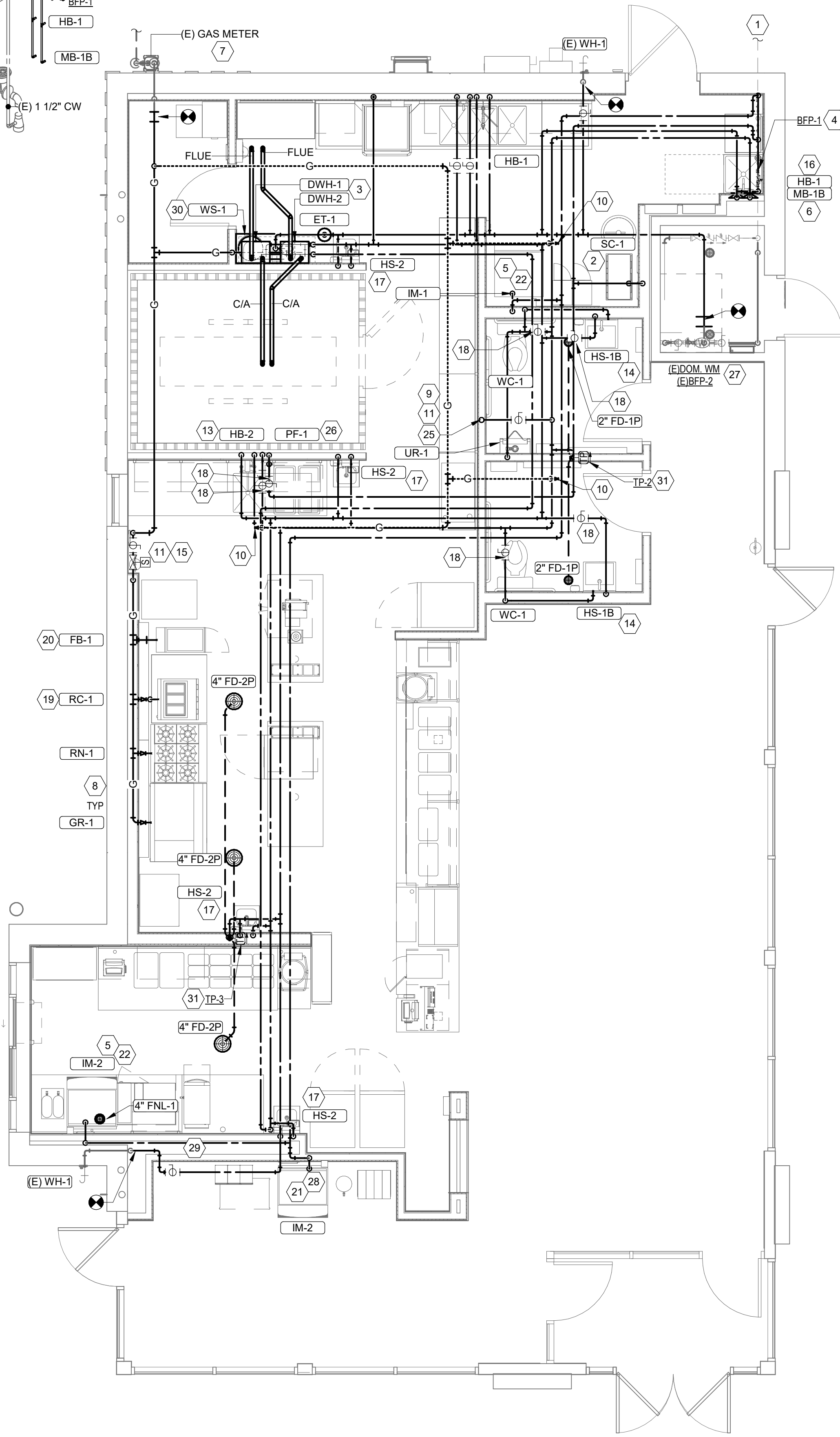


Domestic Water Riser Diagram

Water Supply Materials	
Rough-In Type	Description
Angle 1/2"	BrassCraft R39X C or Equal (Brass/chrome multi-turn angled stop with 1/2" compression connection)
Angle 3/4"	Everflow 74342-NL with 3/4" Sweat x MIP Adapter or Equal (Brass angled stop with 3/4" FIP inlet and outlet)
Angle 3/8"	BrassCraft KTR19 or Equal (Brass/chrome 1/4" turn angled ball stop with 3/8" compression connection)
Direct	Provide copper pipe in connection size shown to fixture
Hose 1/2"	Arrowhead Brass WM50F or Equal (Brass/chrome washing machine valve with 3/4" MHT outlet)
MIP	Provide pipe with MIP thread stubbed out of wall in supply size shown and length compatible with fixture and wall material/finish

Water Supply Connections										
Type ID	Description	Qty	Supply Size	Rough-In Type	CWFU Each	CWFU Total	HWFU Each	HWFU Total	WSFU Each	WSFU Total
DM-1	Dish Sanitizing Machine (Pumped Outlet)	1	1/2"	Angle 3/4"	0	0	1.4	1.4	1.4	1.4
HB-1	Chemical Dispenser Hose Bibb	2	1/2"	MIP	3	6	3	6	4	8
HB-2	Vegetable Wash Hose Bibb	1	1/2"	MIP	2.5	2.5	0	2.5	2.5	2.5
HS-1B	Restroom Hand Sink Faucet	2	1/2"	Angle 3/8"	1.5	3	1.5	3	2	4
HS-2	Kitchen Hand Sink	4	1/2"	Angle 3/8"	1	4	1	4	1.4	5.6
IM-1	Ice Maker - BOH	1	1/2"	Hose 1/2"	0.25	0.25	0	0	0.25	0.25
IM-2	Ice Maker - Soda	2	1/2"	Hose 1/2"	0.25	0.5	0	0	0.25	0.5
MB-1B	Mop Sink Faucet	1	3/4"	MIP	2.25	2.25	2.25	2.25	3	3
PF-1	Speed Fill Faucet	1	1/2"	Direct	3	3	0	0	4	4
RH-1	Freeze Proof Roof Hydrant	1	3/4"	Direct	2.5	2.5	0	2.5	2.5	2.5
SC-1	Soda Rack with Carbonators	1	1/2"	Angle 3/8"	0.25	0.25	0	0	0.25	0.25
SK-1	Three Compartment Sink	1	1/2"	Angle 1/2"	3	3	3	3	4	4
SK-2	Prep Sink	1	3/4"	Angle 3/4"	3	3	3	3	4	4
UR-1	Urinal	1	3/4"	Angle 3/8"	5	5	0	5	5	5
WC-1	Water Closet	2	1/2"	Angle 3/8"	5	10	0	5	10	10
WH-1	Freeze Proof Wall Hydrant	2	3/4"	Direct	2.5	5	0	2.5	5	5
Grand total					50.25		22.65		60	

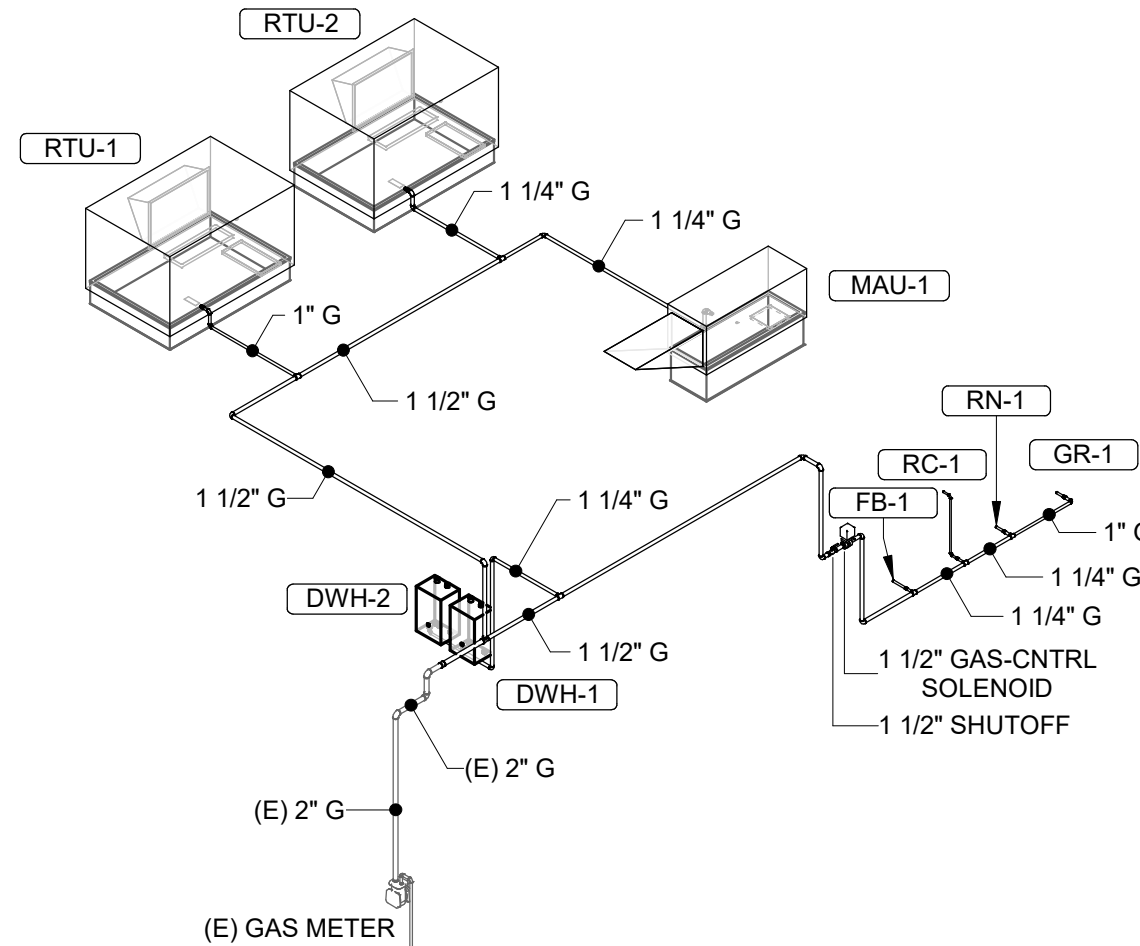
Gas Supply Sizing							
1. Pressure Required after meter: 7" W.C. 2. Distances are approximate							
Identity	Description	Gas Heat Input Rating	Capacity	Gas Supply Label	Length	Pipe Size	Gas Inlet Pipe Size
RC-1	Rice Cooker	33000 Btu/h	34	CFH	90.0 LF	3/4"	1/2"
RN-1	6 Burner Range	192000 Btu/h	197	CFH	95.0 LF	1"	3/4"
GR-1	Gas Griddle	110000 Btu/h	113	CFH	95.0 LF	1"	3/4"
FB-1	Gas Fryer	90000 Btu/h	92	CFH	85.0 LF	3/4"	3/4"
DWH-1	Water Heater (Tankless)	199900 Btu/h	205	CFH	65.0 LF	1"	3/4"
DWH-2	Water Heater (Tankless)	199900 Btu/h	205	CFH	65.0 LF	1"	3/4"
MAU-1	Make-Up Air Unit	225000 Btu/h	230	CFH	70.0 LF	1 1/4"	3/4"
RTU-1	Kitchen Rooftop Unit	224000 Btu/h	229	CFH	50.0 LF	1"	3/4"
RTU-2	Dining Room Rooftop Unit	250000 Btu/h	256	CFH	65.0 LF	1 1/4"	3/4"
Grand total:		1523800 Btu/h	1561				



Plumbing Supply Plan

1/4" = 1'-0"

- Plumbing Supply Keynotes**
- Existing domestic water service and backflow preventer by the Landlord.
 - Provide (2) 1/2" filtered water to the bad-in-box soda carbonator at 102" AFF. Soda carbonator shall have an integral ASSE 1022-rated carbonated beverage backflow prevention device.
 - Provide water heaters DWH-1 and DWH-2 per detail 1/P700.
 - Provide water filters mounted to wall per detail 11/P700. Provide 1/2" supply pipes from filter to ice maker and soda carbonator as shown.
 - Provide 1/2" filtered water rough-in to the ice maker at 56" AFF. Provide 6' long stainless steel flexible braided washing machine water connector with minimum 0.43" ID (BrassCraft SL12-72WA F or equal) for final connection to ice maker.
 - Provide domestic water rough-in for mop basin faucet at 36" AFF. Provide domestic water rough-in for the chemical dispenser faucet (HB-1) at 64" AFF directly above the mop basin faucet. See architectural elevation for additional information.
 - Gas meter and service are provided and stubbed into building under a separate construction package.
 - Provide gas connections to the cooking equipment per detail 7/P700.
 - Support the gas pipe on the roof per detail 5/P700. Wood blocking is not an acceptable method of supporting the gas pipe.
 - Provide accessible line-sized gas valve, dirt leg, and union at gas connection to the equipment.
 - Refer to architectural drawings for painting of interior and exterior exposed gas pipe.
 - Provide domestic water rough-in for the chemical dispenser faucet (HB-1) at 52" AFF. See architectural elevation for additional information.
 - Provide domestic water rough-in for the Victory wash dispenser faucet (HB-2) at 52" AFF. See architectural elevation for additional information.
 - Provide rough-in to restroom hand sinks as shown in detail 14/P700.
 - Provide kitchen equipment gas shutoff 6" below the ceiling per detail 4/P700.
 - Connect chemical dispenser to HB-1. Chemical dispenser has an integral air gap as is shown in detail 10/P700.
 - Provide ASSE 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 the mixing valve for a discharge temperature of approximately 110 degrees F.
 - Provide accessible shutoff ball valve in water supply.
 - Provide gas connection to the rice cooker per detail 6/P700.
 - Provide gas rough-in to fryer behind rice cooker table so that valves and dirt leg are accessible once fryer is secured into place.
 - Provide 1/2" filtered water rough-in to the ice maker at 24" AFF. Provide 6' long stainless steel flexible braided washing machine water connector with minimum 0.43" ID (BrassCraft SL12-72WA F or equal) for final connection to ice maker.
 - Install RGF IMSB ice maker sanitizer by TUV per Chipotle's installation instructions.
 - Provide 3/4" domestic hot and cold water rough-in 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.
 - Provide 3/4" hot water to the dish machine, making final connection using hose furnished with dish machine. Provide water hammer arrestor on hot water line. Provide an accessible shutoff valve below the dish machine and install the strainer furnished with the dish machine in an accessible location at the connection to the unit.
 - Provide roof hydrant RH-1 with bottom of nozzle installed 24" above the bottom of roof deck. Provide accessible isolation valve in water supply to roof hydrant. Support roof hydrant per the manufacturer's installation instructions.
 - Provide filtered domestic water rough-in for the speed fill pot filler faucet (PF-1) at 40" AFF. See architectural elevation for details.
 - Domestic water service is provided under a separate construction package.
 - 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.
 - Not used.
 - Provide drain line from water softener to nearby floor drain with air gap at discharge.
 - 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 connections as shown. Horizontal distribution piping shall have continuous slope to the floor drain(s).



Domestic Water Riser Diagram

CONSULTANT:

AYRES
MECHANICAL, ELECTRICAL,
PLUMBING (MEP)
1700 West Highway 36 - Suite 700
Roseville, Minnesota 55113
(651) 639-9606 Fax (651) 639-9618
Project No. 81-0585

CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
PO BOX 18296
COLUMBUS, OH 43218-2968
TELEPHONE: (614) 318-2682
INTERNET: WWW.CHIPOTLE.COM

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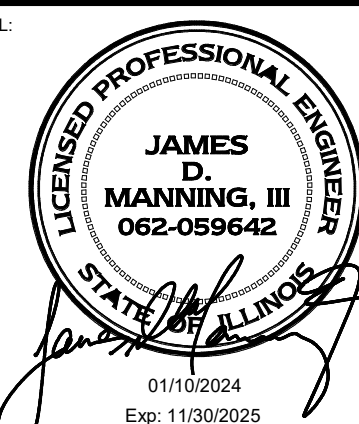
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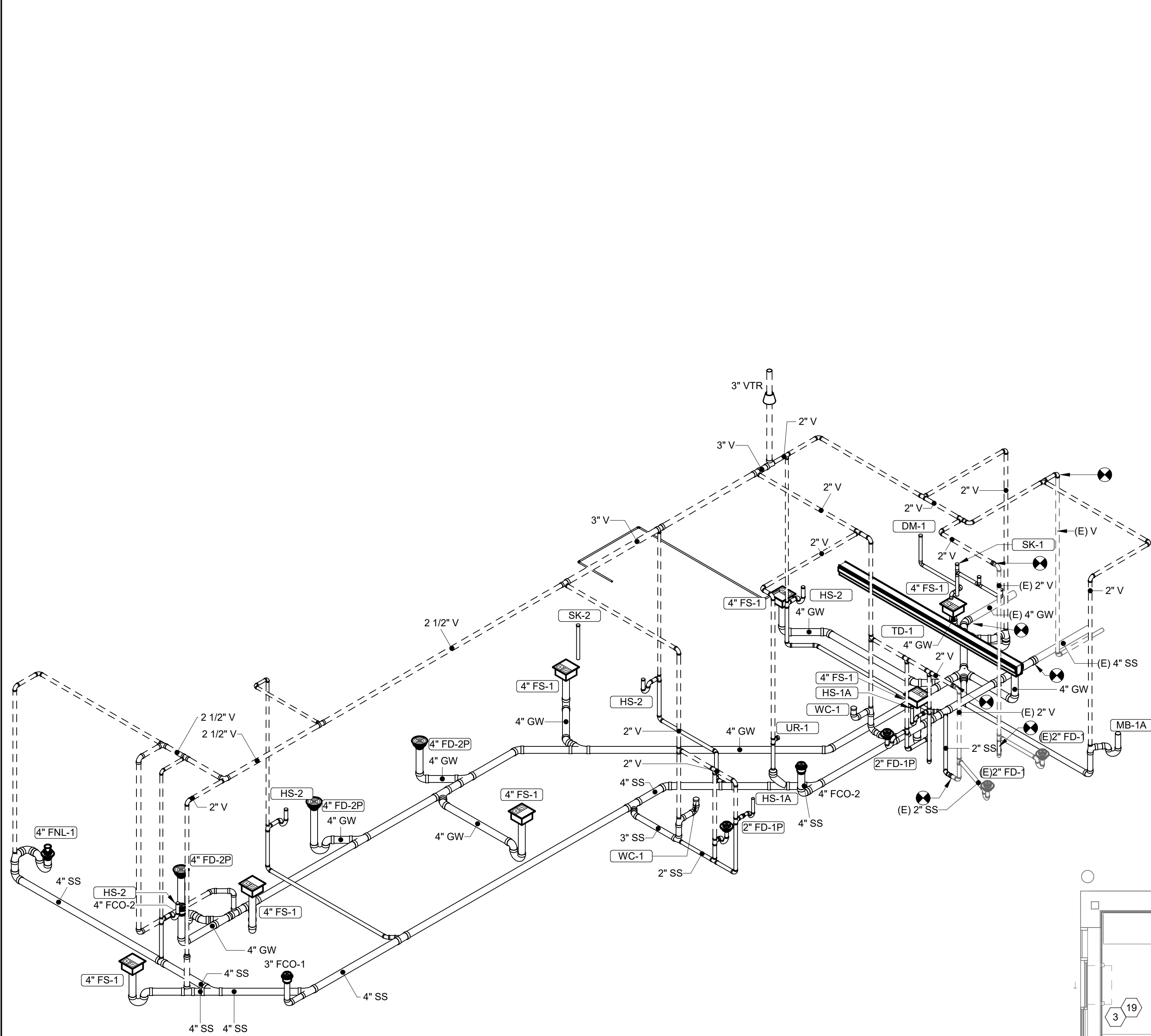
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Plumbing Supply
Plans

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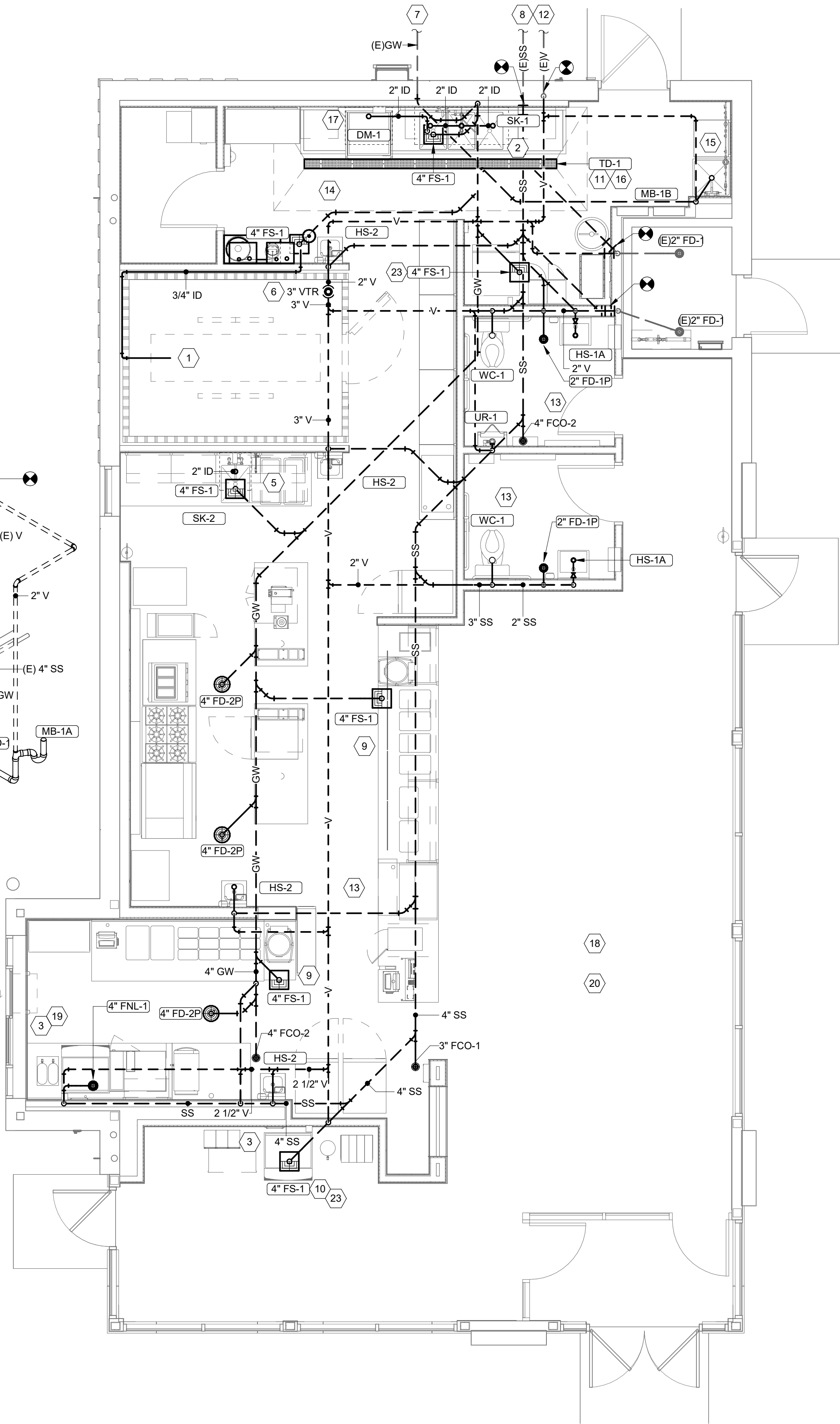
P100



2 Drain-Waste-Vent Riser Diagram

Drainage Fixture Units					
Type ID	Qty	Description	Drain Pipe Size	DFU Each	DFU Total
DM-1	1	Dish Sanitizing Machine (Pumped Outlet)	2"	2	2
FD-1	2	Floor Drain	2"	2	4
FD-2	3	Floor Drain	4"	6	18
FNL-1	1	Funnel Drain	4"	6	6
FS-1	7	Floor Sink	4"	6	42
HS-1A	2	Restroom Hand Sink	1 1/2"	1	2
HS-2	4	Kitchen Hand Sink	2"	2	8
IM-1	1	Ice Maker - BOH	3/4"	0.5	0.5
IM-2	2	Ice Maker - Soda	3/4"	0.5	1
MB-1A	1	Mop Basin	3"	3	3
PF-1	1	Speed Fill Faucet	2"	0	0
SC-1	1	Soda Rack with Carbonators	3/4"	0.5	0.5
SK-1	1	Three Compartment Sink	2"	3	3
SK-2	1	Prep Sink	2"	3	3
UR-1	1	Urinal	2"	2	2
WC-1	2	Water Closet	3"	4	8
Grand total					103

1 Plumbing Waste & Vent Plan
1/4" = 1'-0"



Plumbing Waste & Vent Keynotes

- Provide 3/4" condensate drain from the walk-in cooler evaporator to the floor sink below as shown. Slope condensate drain a minimum 1/4" per foot. Hold exposed condensate drain in walk-in cooler as high as possible. Conceal drain piping within framed walls as shown. Discharge through an air gap. Make final connection to evaporator inside walk-in cooler using a union. Condensate drain should penetrate wall at point of discharge at 8" AFF.
- Provide drain connections to the three compartment sink per detail 2/P700.
- Coordinate routing of soda bundles with Coca-Cola technician from Bag-in-box area to each soda fountain. Other than within the walls down to the dryer box the soda bundle shall be routed overhead without conduit. Coordinate support and routing of the soda line bundles with Coca-Cola technician during rough-in and provide necessary supports. See architectural drawings for soda bundle termination location and provide termination per detail 12/P700. Exposed soda bundles should be minimized through dining area.
- Not Used.
- Provide drain lines from the food prep sink to the floor sink. Provide an air gap at the discharge to the floor sink.
- Provide a vent through the roof per detail 3/P700.
- Grease interceptor and grease waste line is stubbed into building and provided under a separate construction package.
- Sanitary sewer is stubbed into building and provided under a separate construction package.
- Provide 3/4" valved drain from hot food table to the floor sink. Drain through an air gap.
- Provide insulated copper drain lines from the tea tray drain and the soda machine drain to the floor sink. Drain through an air gap. Hold tea tray drain as high as possible and secure to structure below the utensil counter.
- Trim trench drain ends per the manufacturer's installation instructions prior to installation so that grate fits without gaps. Install trench drain with slight positive slope toward the drain connection to avoid standing water in trench drain.
- 2" Vent to grease interceptor GI-1 is stubbed into building and provided under a separate construction package.
- Do not provide wall cleanouts on tile or publicly-visible walls. If a wall cleanout is required on these surfaces coordinate the exact location with Chipotle's construction manager.
- Provide indirect waste and condensate drains from fixtures other than kitchen sinks concealed in the wall as shown in detail 9/P700.
- Provide drain from water filter BFP to mop sink concealed in the wall as shown in detail 9/P700.
- Provide trench drain as shown in detail 15/P700.
- Install drain hose furnished with dish machine from dish machine outlet to floor sink. Hold drain hose tight to wall and secure to 3-comp sink drain to maintain an air gap at the floor sink.
- Provide condensate trap on RTU per detail 13/P700.
- See detail 18/P700 for drains from tea tray, ice maker, and soda machine to funnel drain.
- Storm drainage provided by Landlord under a separate construction package.
- Not used.
- Not used.
- Provide PVC drain pipes from the ice machine to the floor sink per the manufacturer's installation instruction. Provide a code-approved air gap at the discharge to the floor sink. Secure ice maker drain pipes to the bottom of the ice maker.

CONSULTANT:

AYRES
MECHANICAL, ELECTRICAL,
PLUMBING (MEP)

1700 West Highway 36 - Suite 700
Roseville, Minnesota 55113
(651) 639-9606 Fax (651) 639-9618
Project No. 81-0585

CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
PO BOX 18296
COLUMBUS, OH 43218-2966
TELEPHONE: (614) 318-2682
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422 S. Rand Road
Lake Zurich, IL 60047

SEAL:



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TITLE:

Plumbing Waste &
Vent Plans

SHEET NUMBER:

P110

Plumbing Fixture & Accessory Schedule							
Type ID	Description	Manufacturer	Model	Qty	Installed By	Furnished By	Specification
BFP-1	Backflow Preventer	Zurn Wilkins	975 XL	1	GC	GC	Lead free reduced pressure principle backflow preventer with automatic differential relief valve
DM-1	Dish Sanitizing Machine (Pumped Outlet)	By Others	By Others	1	KES	GC	Chemical sanitizer dish machine with integral electric booster heater and pumped outlet
ET-1	Expansion Tank	Amtrol	ST-5C	1	GC	GC	2-Gallon capacity
FB-1	Gas Fryer	By Others	By Others	1	KES	GC	
FCO-1	Cleanout	Watts	CO-1203-R	1	GC	GC	On-grade adjustable cleanout with internal threaded cleanout plug and round nickel-bronze ring and cover (or approved equal with internal threaded cleanout plug)
FCO-2	Floor Cleanout	Watts	CO-1204-R	2	GC	GC	On-grade adjustable cleanout with internal threaded cleanout plug and round nickel-bronze ring and cover (or approved equal with internal threaded cleanout plug)
FD-1	Floor Drain	Sioux Chief	842-Z-PNR	2	GC	GC	Adjustable floor drain with PVC body, round polished metal ring and strainer, and trap primer port
FD-2	Floor Drain	Sioux Chief	842-Z-PNR	3	GC	GC	Adjustable floor drain with PVC body, round polished metal ring and strainer, and trap primer port
FNL-1	Funnel Drain	Jay R. Smith	3823T	1	GC	GC	Funnel drain with cast bronze body and threaded outlet
FS-1	Floor Sink	Sioux Chief	861-3PU2	7	GC	GC	Heavy duty PVC floor sink wht aluminum dome bottom strainer and open half PVC grate
GR-1	Gas Griddle	By Others	By Others	1	KES	GC	
HB-1	Chemical Dispenser Hoss Bibb	American Standard	Serin	2	KES	GC	Wall-mounted faucet with battery powered sensor, vandal resistant spray, external ASSE 1070 compliant thermostatic mixing valve, mount at ADA compliant height.
HB-2	Vegetable Wash Hose Bibb	Chicago Faucet	952-CP	1	KES	GC	Interior hose bibb with vacuum breaker, 3/4" hose thread outlet, lock shield cap, and removable "tee" handle. Provide shutoff valve in cold water supply ahead of hose bibb.
HS-1A	Restroom Hand Sink	American Standard	Lucerne	2	GC	GC	Wall hung lavatory with backsplash, single center faucet hole, grid drain, loose key angle stops and supplies, all chrome plated. Insulate water and waste with insulation kit.
HS-1B	Restroom Hand Sink Faucet	American Standard	Serin	2	KES	GC	Wall-mounted faucet with battery powered sensor, vandal resistant spray, external ASSE 1070 compliant thermostatic mixing valve, mount at ADA compliant height.
HS-2	Kitchen Hand Sink	Elkay	EHS-18X	4	KES	GC	Single compartment, wall hung, 18 gauge, with strainer and faucet included, p-trap, tailpieces, supplies and stops. Provide with Haws Model No. 7620 faucet mounted eyewash Axion eyewash.
IM-1	Ice Maker - BOH	By Others	By Others	1	GC	KES	Back of house ice maker with bin
IM-2	Soda Maker - Soda	By Others	By Others	2	GC	KES	Soda machine-mounted ice machine
MB-1A	Mop Basin	American Standard	Lucerne	1	GC	GC	Wall hung lavatory with backsplash, single center faucet hole, grid drain, loose key angle stops and supplies, all chrome plated. Insulate water and waste with insulation kit.
MB-1B	Mop Sink Faucet	American Standard	Serin	1	KES	GC	Wall-mounted faucet with battery powered sensor, vandal resistant spray, external ASSE 1070 compliant thermostatic mixing valve, mount at ADA compliant height.
PF-1	Speed Fill Faucet	By Others	By Others	1	KES	GC	Wall-mounted pot filler with self-closing filler valve and NPT female inlet
PSI	Shock Absorber	Zurn Wilkins	1260XL-B	1	GC	GC	
RC-1	Rice Cooker	By Others	By Others	1	KES	GC	
RH-1	Freeze Proof Roof Hydrant	Woodford	RHYZ-MS	1	GC	GC	Non-freeze type roof hydrant, with ASSE 1052 double check backflow preventer, valve on the inside of the roof, hose connection with backflow preventer, and clocking handle on the outside of the roof. All exposed parts shall be painted. Make arrangements with the general contractor to provide the necessary support of roof. Provide shutoff valve in accessible location and route drain pipe to nearest floor drain.
RN-1	6 Burner Range	By Others	By Others	1	KES	GC	
SC-1	Soda Rack with Carbonators	By Others	By Others	1	SPS	SPS	Soda carbonator(s) shall have an integral ASSE 1022-Rated carbonated beverage backflow prevention device
SK-1	Three Compartment Sink	By Others	By Others	1	KES	GC	Three-compartment ware-washing sink furnished with (1) pre-rinse unit with add-on faucet
SK-2	Prep Sink	By Others	By Others	1	KES	GC	Stainless steel prep table with integral prep sink. Furnished with "Big Flo" faucet
TD-1	Trench Drain	Zurn	Z886 8601 8602	1	GC	GC	6" x 160" HDPE trench drain (sloped from 3.5" to 4.7") 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
TP-2	Trap Primer (2 Drains)	PPP Inc.	PR01-500 DU-U	1	GC	GC	Trap primer with integral vacuum breaker and distribution unit. Cap unused distribution unit outlets
TP-3	Trap Primer (3 Drains)	PPP Inc.	PR01-500 DU-U	1	GC	GC	Trap primer with integral vacuum breaker and distribution unit. Cap unused distribution unit outlets
UR-1	Urinal	Kohler	Bardon	1	GC	GC	Wall hung urinal with washout action, top spud, with integral extended shields supported by through going bolts and C.P. nuts, and manufacturers manual activated flushometer
WC-1	Water Closet	American Standard	Cadet	2	GC	GC	Elongated floor mounted tank type water closet, with Church 295CT elongated open front seat. Provide a 1/4 turn brass ball valve at wall connection. Install at ADA compliant height.
WS-1	Water Softener	3M	CFSM1254E	1	KES	GC	Water treatment system softener with salt monitor and safety brine valve. Max capacity 65,000 grains. Operates on 24V/60Hz. transformer included.

CONSULTANT

AYRES
MECHANICAL, ELECTRICAL,
PLUMBING (MEP)
1700 West Highway 36 - Suite 700
Roseville, Minnesota 55113
(651) 639-9606 Fax (651) 639-9618
Project No. 81-0585

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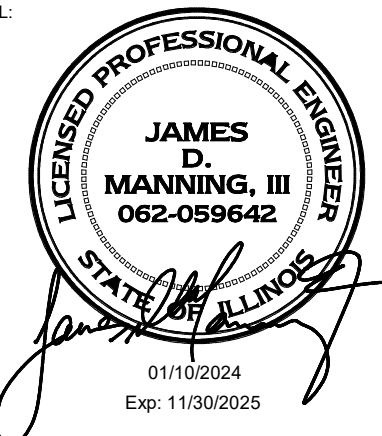
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PO BOX 182566
COLUMBUS, OH 43218-2566
TELEPHONE: (614) 318-2482
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"LAKE ZURICH"
422 S. Rand Road
Lake Zurich, IL 60047

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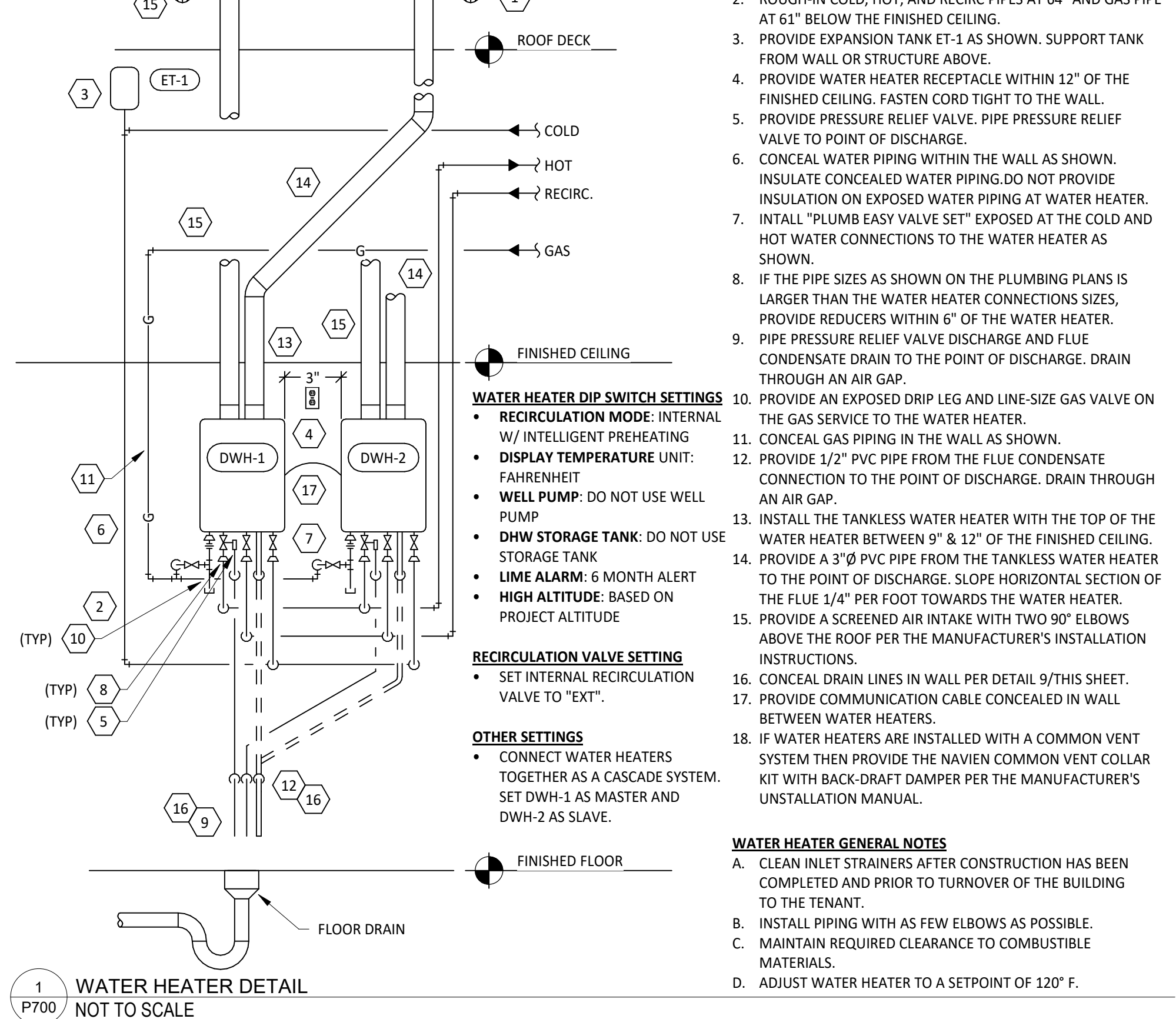
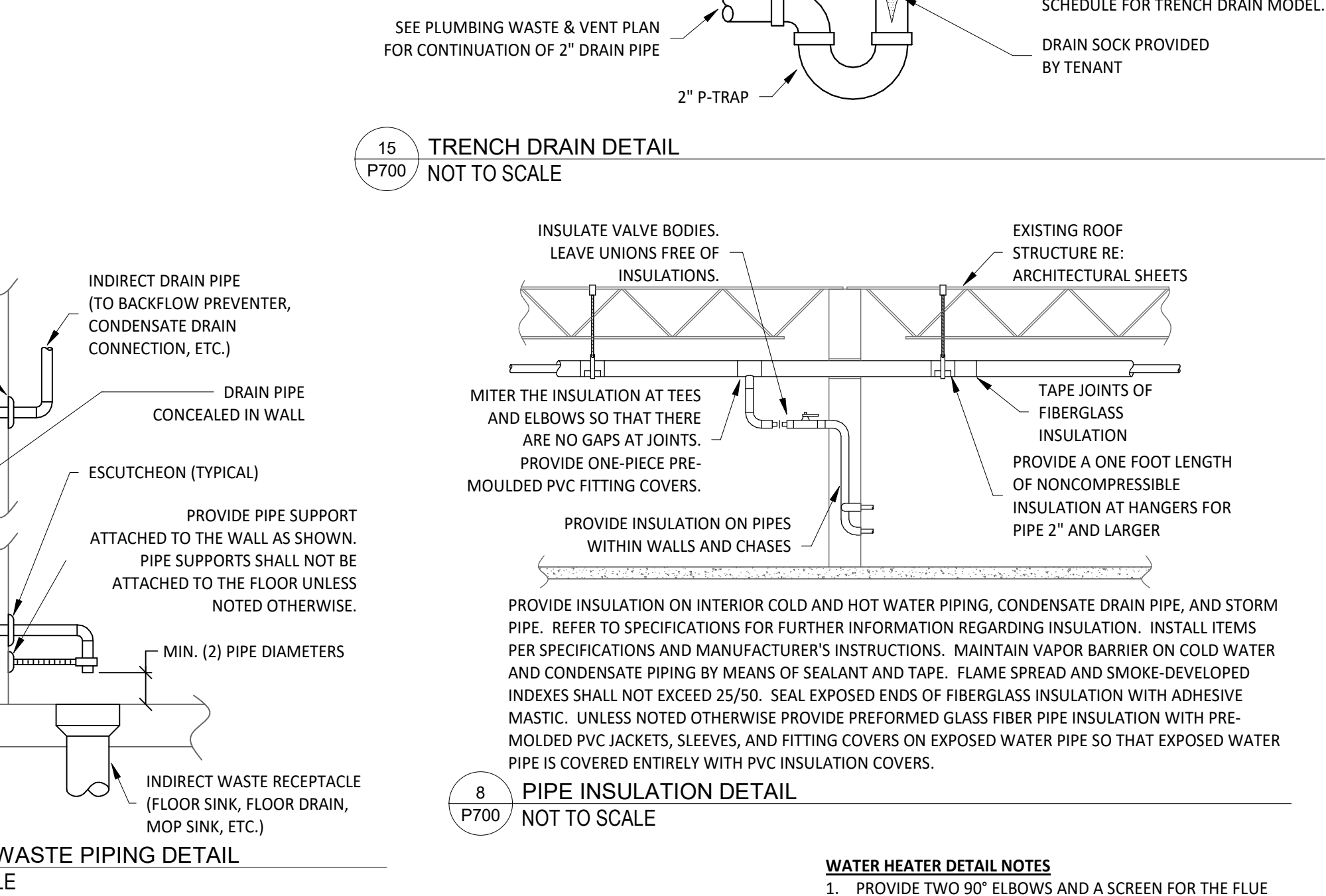
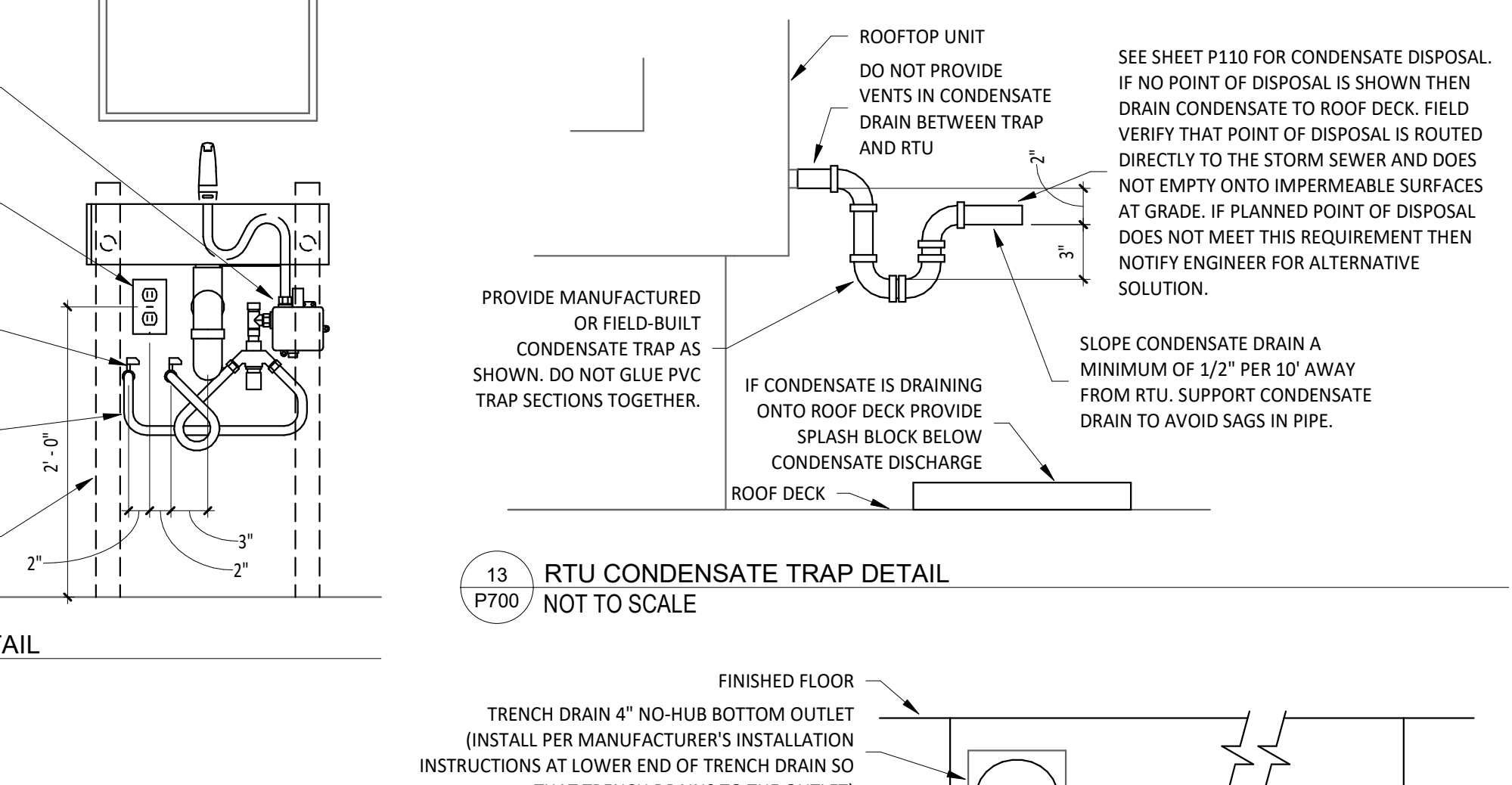
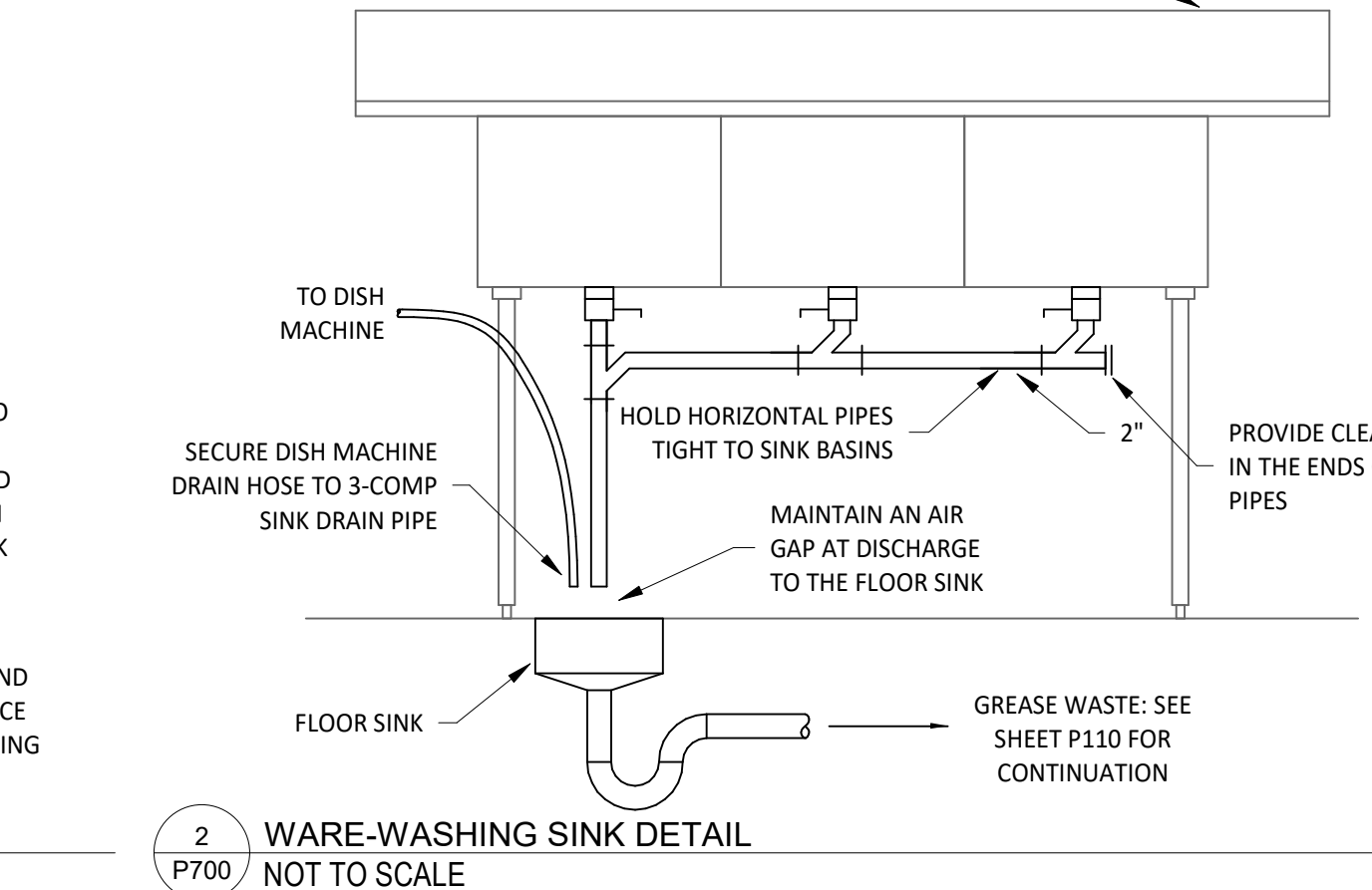
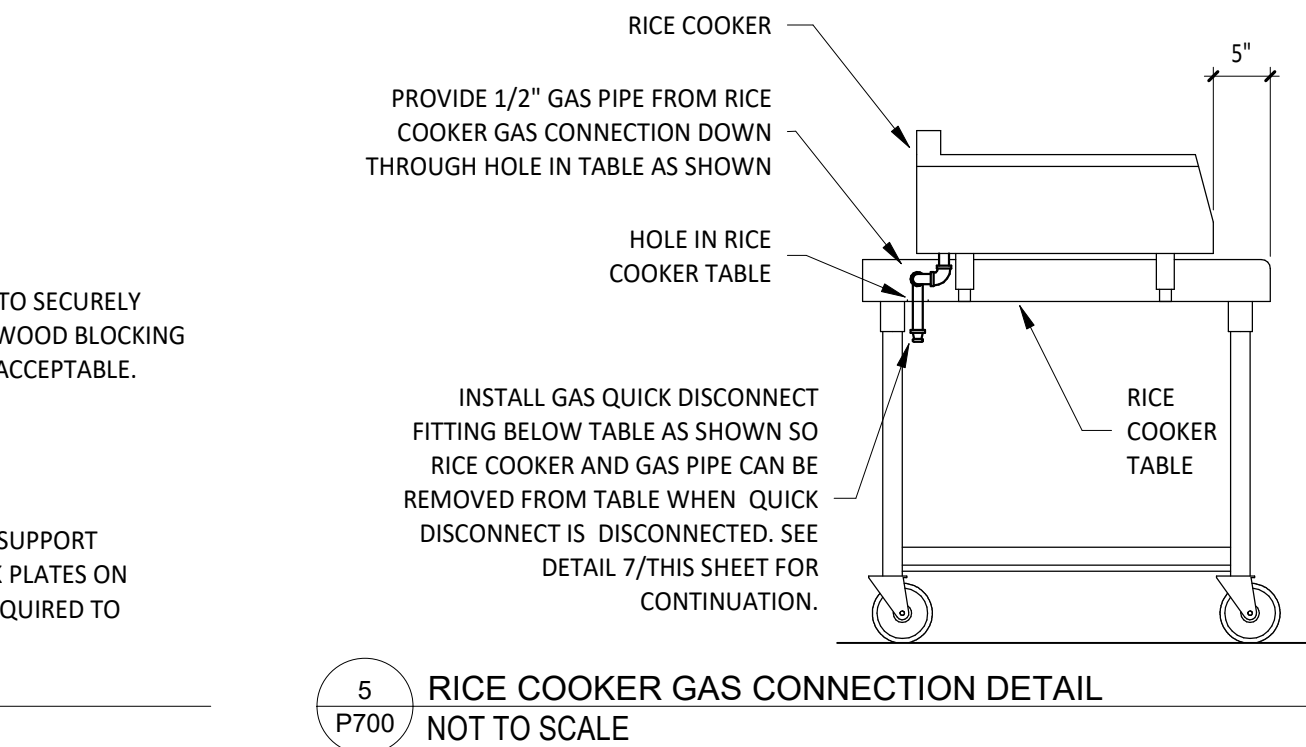
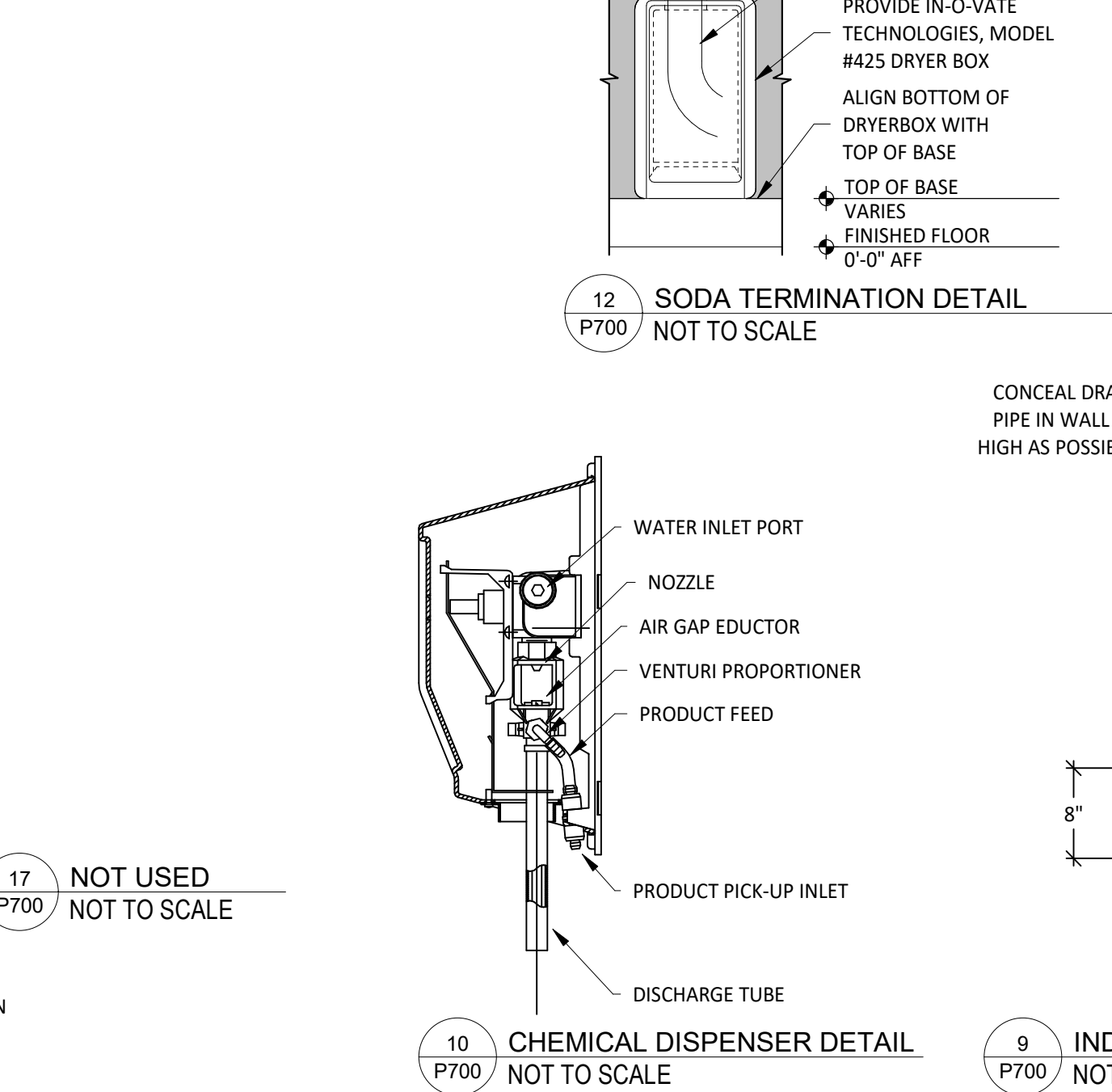
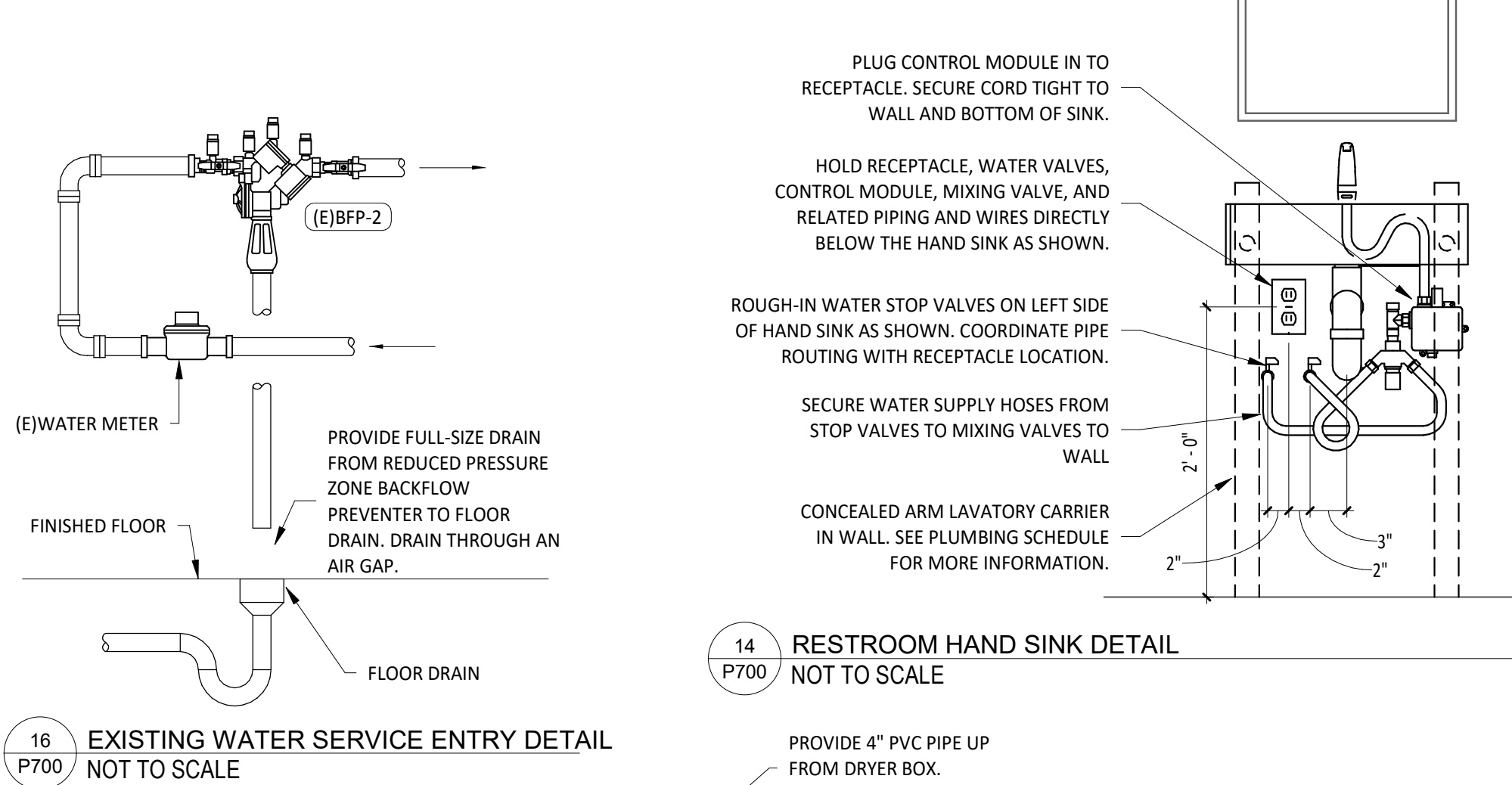
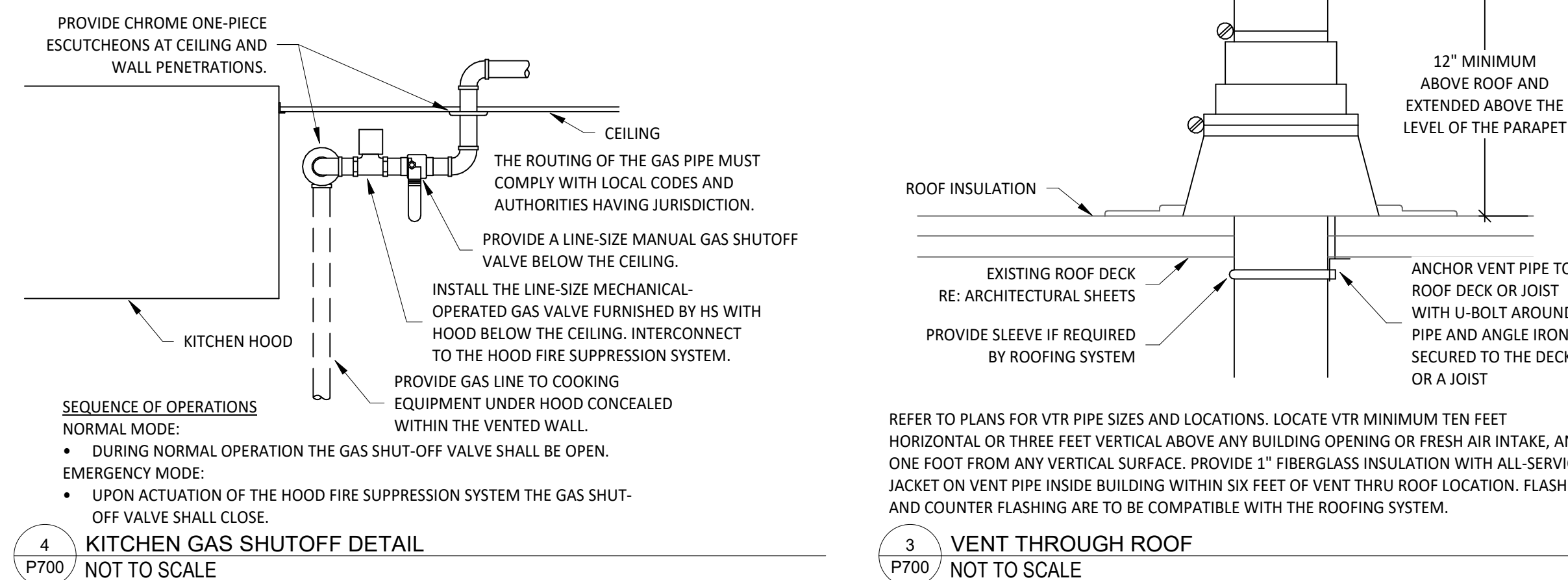
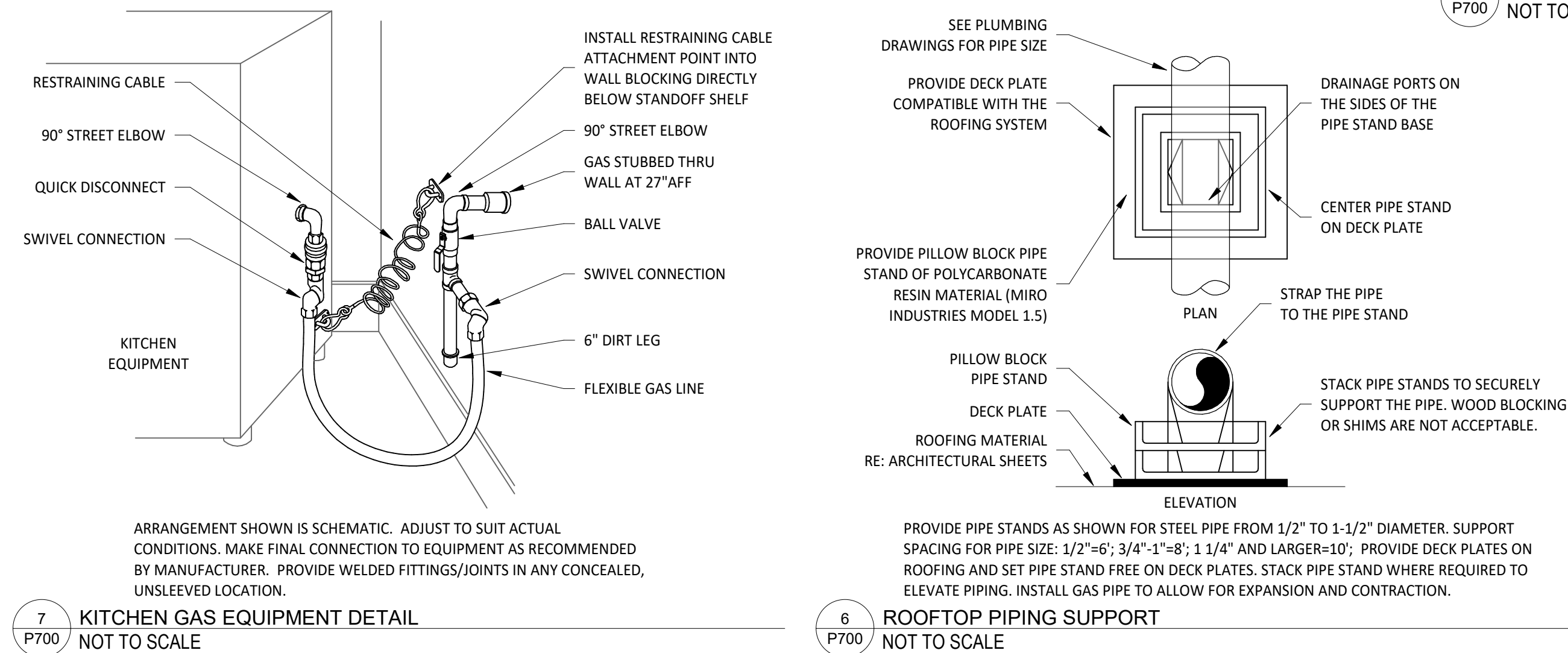
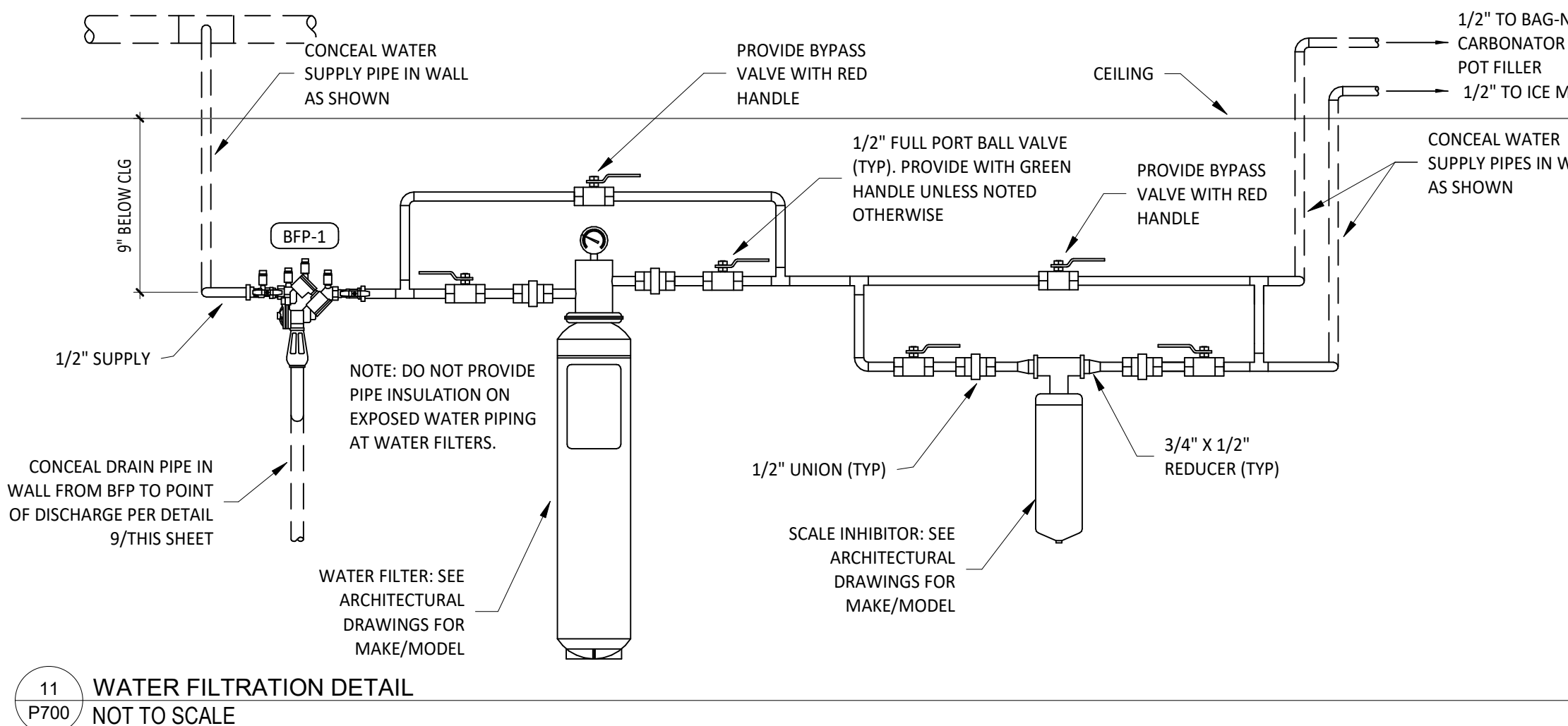
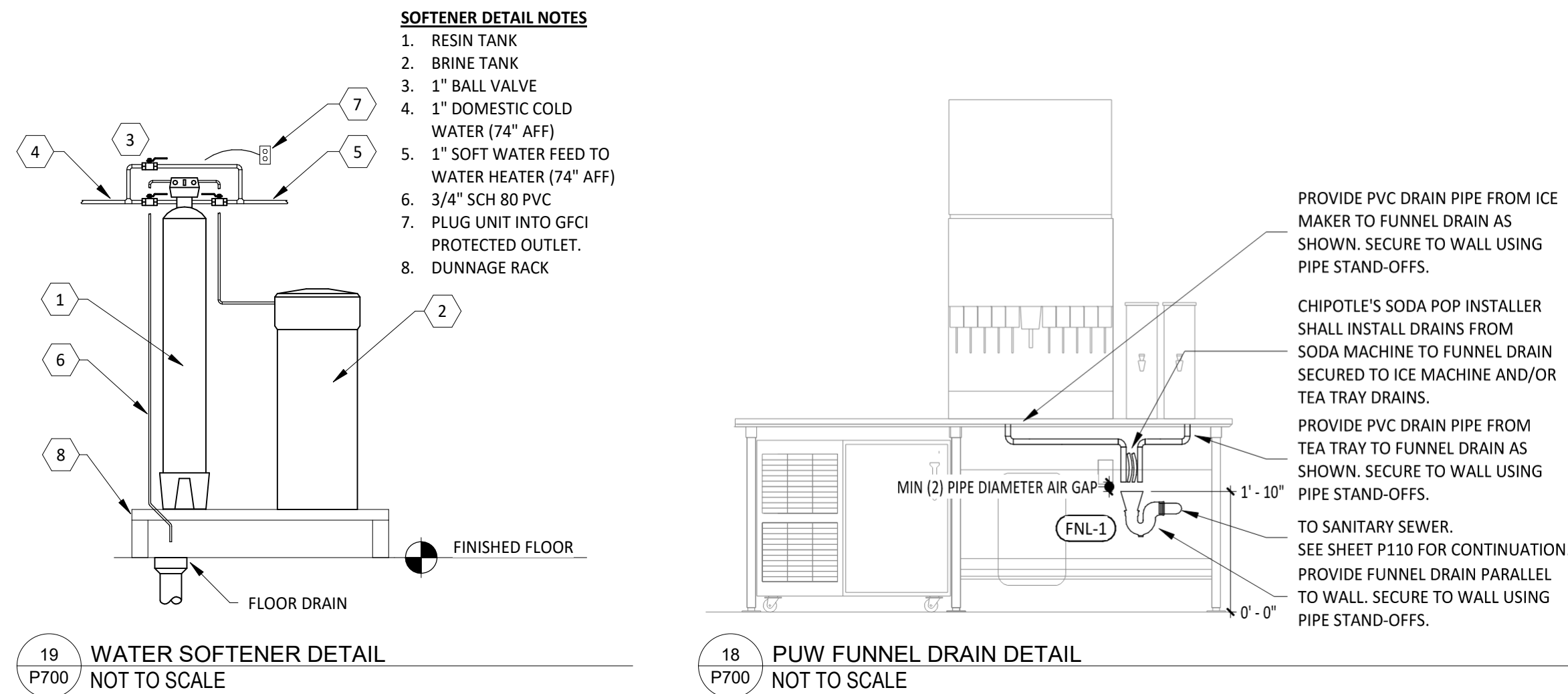
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Plumbing Schedules

SHEET NUMBER

P600



Electrical Specifications

Section 16011 Temporary & Permanent Electrical Service

- Part 1 - General
- 1.1 Definitions
- A. GFCI: Ground Fault Current Interrupter
- B. RMS: Root Mean Square
- C. SPDT: Single Pole, Double Throw

1.2 Use Charges

- A. General: Cost or use charges for temporary facilities are not chargeable to Tenant, Architect, or Engineer and shall be included in the Contract Sum. Allow other entities to use temporary services and facilities without cost, including, but not limited to, the following:
1. Tenant's construction forces.
 2. Occupants of Project
 3. Architect
 4. Engineer
 5. Testing agencies
 6. Personnel of authorities having jurisdiction

- B. Permanent Service: Coordinate with building Tenant and utility company to establish permanent service upon completion of the project. Contractor shall pay for all permits, aid-to-construction charges, and related fees associated with the new service.

1.3 Notification

- A. Coordinate with Tenant to provide 72 hour written notification to other tenants of any power interruptions. Notification shall state the estimated time and duration of the electrical outage.

1.4 Quality Assurance

- A. Standards: Comply with ANSI A10.6, NECA's "Temporary Electrical Facilities," and NFPA 241.
1. Trade Jurisdictions: Assigned responsibilities for installation and operation of temporary utilities are not intended to interfere with trade regulations and union jurisdictions.
 2. Electric Service: Comply with NECA, NEMA and UL standards and regulations for temporary electric service. Install service to comply with NFPA 70.
 3. Comply with ISHA standards and regulations.

Part 2 Products

2.1 Materials

- A. Electrical Outlets: Properly configured, NEMA-polarized outlets to prevent insertion of 110- to 120-V plugs into higher-voltage outlets; equipped with ground-fault interrupters, reset button, and pilot light.
- B. Power Distribution System Circuits: Where permitted and overhead and exposed for surveillance, wiring circuits, not exceeding 12S-V ac, 20-A rating, and lighting circuits may be nonmetallic sheathed cable.
- C. Main panelboard with disconnect.
- D. Temporary lighting
- E. 120 volt receptacles with overcurrent protection
- F. Enclosures: NEMA AB-1 and NEMA KS 1 to meet environmental conditions of installed location.
1. Outdoor Locations: NEMA 250, Type 3R.

Part 3 Execution

3.1 Installation

- A. Electric Power Service: Provide weatherproof, grounded electric power service and distribution system of sufficient size, capacity, and power characteristics during construction period. Include meters, transformers, and overload-protected disconnecting means.
1. Install power distribution wiring overhead and rise vertically where least exposed to damage.
- B. Electric Distribution: Provide receptacle outlets adequate for connection of power tools and equipment.
1. Provide waterproof connectors to connect separate lengths of electrical power cords if single lengths will not reach areas where construction activities are in progress. Do no exceed safe length-voltage ratio.
 2. Provide metal conduit, tubing, or metallic cable for wiring exposed to possible damage. Provide rigid steel conduits for wiring exposed on grades, floors, decks, or other traffic areas.
 3. Provide metal conduit enclosures or boxes for wiring devices.
 4. Provide 4-gang outlets, spaced so 1 DO-foot (30-m) extensions cord can reach each area for power hand tools and task lighting. Provide a separate 125-V ac, 20-A circuit for each outlet.
- C. Lighting: Provide temporary lighting with local switching that provides adequate illumination for construction operations and traffic conditions.
1. Install and operate temporary lighting that fulfills security and protection requirements without operating entire system.
 2. Provide one 100-W incandescent lamp (or equivalent) every 50 feet (15 m) in traffic areas.
 3. Install exterior-yard site lighting that will provide adequate illumination for construction operations, parking and traffic conditions, and signage visibility when the Work is being performed.

End of Section 16011

Section 16060 - Grounding and Bonding

Part 1 - General

1.1 Summary

- A. This section includes grounding of electrical systems and equipment. Grounding requirements specified in this section may be supplemented by special requirements of systems described in other Sections.

1.2 Quality Assurance

- A. Testing Agency Qualifications: Testing agency as defined by OSHA in 29 CFR 1910.7 a member company of the International Electrical Testing Association and that is acceptable to authorities having jurisdiction.
1. Testing Agency's Field Supervisor: Person currently certified by the International Electrical Testing Association to supervise on-site testing specified in Part 3.
- B. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
1. Comply with UL 467.

Part 2 - Products

2.1 Grounding Conductors

- A. For insulated conductors, comply with Division 16 Section "Wiring Methods"
- B. Material: Copper
- C. Equipment Grounding Conductors: Insulated with green colored insulation.
- D. Grounding Electrode Conductors: Stranded cable.
- E. Bare Copper Conductors: Comply with the following:
1. Solid Conductors: ASTM B 3
 2. Assembly of Stranded Conductors: ASTM B 8.

2.2 Connector Products

- A. Comply with IEEE 837 and UL 467; listed for use for specific types, sizes, and combinations of conductors and connected items.

Part 3 - Execution

3.1 Application

- A. Use only copper conductors.
- B. In raceways, use insulated equipment grounding conductors.
- C. Equipment Grounding Conductor Terminations: Use bolted pressure clamps.
- D. Grounding Bus: Install in electrical and telephone equipment rooms, in rooms housing service equipment, and elsewhere as indicated.
1. Use insulated spacer; space 1 inch from wall and support from wall 6 inches above finished floor, unless otherwise indicated.
 2. At doors, route the bus up to the top of the door frame, across the top of the doorway, and down to the specified height above the floor.

3.2 Equipment Grounding Conductors

- A. Comply with NFPA 70, Article 250, for types, sizes, and quantities of equipment grounding conductors, unless specific types, larger sizes, or more conductors than required by NFPA 70 are indicated.

3.3 Installation

- A. Grounding Conductors: Route along shortest and straightest paths possible, unless otherwise indicated. Avoid obstructing access or placing conductors where they may be subjected to strain, impact, or damage.
- B. Any rebar extensions used for Ufer ground are not to be brought up in an areas where they will be subject to corrosion. The Ufer ground should be stubbed up to the interior of the building to protect the rebar from corrosion.

3.4 Connections

- A. General: Make connections so galvanic action or electrolysis possibility is minimized. Select connectors, connection hardware, conductors, and connection methods so metals in direct contact will be galvanically compatible.
- B. Equipment Grounding Conductor Terminations: For No. 8 AWG and larger, use pressure-type grounding lugs. No. 10 AWG and smaller grounding conductors may be terminated with winged pressure-type connectors.
- C. Tighten screws and bolts for grounding and bonding connectors and terminals according to manufacturer's published torque-tightening values. If the manufacturer's torque values are not indicated, use those specified in UL 486A.
- D. Compression-Type Connections: Use hydraulic compression tools to provide correct circumferential pressure for compression connectors. Use tools and dies recommended by connector manufacturer. Provide embossing die code or other standard method to make a visible indication that a connector has been adequately compressed on grounding conductor.

End of Section 16060

Section 1600 -Wiring Methods

Part 1 - General

1.1 Section Requirements

- A. Summary: Building wire and cable and associated splices, connectors, and terminations for wiring systems rated 600 V and less, and twisted-pair cable, and raceways and boxes.

Part 2 - Products

2.1 Wires and Cables

- A. Connectors and Splices: Wiring connectors of size, ampacity rating, material, and type and class for application and for service indicated.

2.2 Raceways

- A. Wireways: Screwed cover type, with manufacturers standard finish.
- B. Outlet and Device Boxes: Sheet metal boxes, except use cast-metal boxes at exterior, interior exposed, and interior damp locations.
- C. Pull and Junction Boxes: Sheet metal boxes, except use nonmetallic boxes with gasketed covers at exterior and interior damp locations.

2.3 Enclosures

- A. Hinged-Cover Enclosures: NEMA 250, steel enclosure with continuous hinge cover and flush latch. Finish inside and out with manufacturer's standard enamel.
- B. Cabinets: NEMA 250, Type 1, unless otherwise indicated.

Part 3 - Execution

3.1 Installation

- A. Install wires and cables according to the NECA's "Standard of Installation.
- B. Wiring at Outlets: Install with at least 12 inches of slack conductor at each outlet.
- C. Conceal wiring, unless otherwise indicated, within finished walls, ceilings, and floors.
- D. Boxes and Enclosures: In damp or wet locations use NEMA 250, Type 4, stainless steel
- E. Use raceway fittings compatible with raceway and suitable for use and location. For intermediate metal conduit, use threaded rigid steel conduit fittings, unless otherwise indicated.
- F. Raceways Embedded in Slabs: Install in middle third of the slab thickness where practical, and leave at least 1-inch concrete cover.
- G. Install exposed raceways parallel to or at right angles to nearby surfaces or structural members, and follow the surface contours as much as practical.
- H. Join raceways with fittings designed and approved for the purpose and make joints tight. Use bonding bushings or wedges at connections subject to vibration. Use bonding jumpers where joints cannot be made tight. Use insulating bushing to protect conductors.
- I. Install pull wires in empty raceways. Use No. 14 AWG zinc-coated steel or monofilament plastic line having not less than 200-lb tensile strength. Leave not less than 18 inches of slack at each end of the pull wire.
- J. Install raceway sealing fittings where required by the NEC and at wiring entrances to refrigerated spaces. Locate at suitable, approved, accessible locations and fill them with UL-listed sealing compound. For concealed raceways, install each fitting in a flush steel box with a blank cover plate having a finish similar to that of adjacent plates or surfaces.
- K. Stub-up connections for Equipment: Extend conductors to equipment with rigid metal conduit; flexible metal conduit may be used 3 inches above the floor.
- L. Install a separate green ground conductor in surface metal raceway from the junction box supplying the raceway to receptacle and fixture ground terminals.

3.2 Identification Materials and Devices

- A. Install at locations for most convenient viewing without interference with operation and maintenance of equipment.
- B. Coordinate names, abbreviations, colors, and other designations used for electrical identification with corresponding designations indicated in the Contract Documents or required by codes and standards. Use consistent designations throughout Project.
- C. Identify raceways and cables with color banding as follows:
1. Bands: Pre-tensioned, snap-around, colored plastic sleeves or colored encircling conduit, and place adjacent bands of two-color markings in contact, side by side.
 2. Band Locations: At changes in direction, at penetrations of walls and floors, at 50-foot maximum intervals in straight runs, and at 25-foot maximum intervals in congested areas.
 3. Colors: As follows:
 - a. Telecommunication System: Green and yellow
- D. Color-code System secondary service, feeder, and branch-circuit conductors throughout the secondary electrical system as follows:

120/208V 277/480V

1. Phase A: Black Brown
2. Phase B: Red Orange
3. Phase C: Blue Yellow
4. Neutral: White Gray
5. Ground: Green Green

End of section 16100

Section 16140 - Wiring Devices

Part 1 - General

1.1 Section Requirements

- A. Submittals: None
- B. Comply with NEMA WD 1.
- C. Comply with NFPA 70.

Part 2 Products

2.1 Devices

- A. General: Listed and labeled as defined in NFPA, Article 100, by a testing agency acceptable to authorities having jurisdiction.
- B. Color: Per material schedule on sheet E010.
- C. Receptacles: Heavy-duty grade, NEMA WD6, Configuration 5-20R unless otherwise indicated.
- D. Ground-Fault Circuit Interrupter Receptacles: Integral duplex receptacle, for installation in box without an adapter. Feed through type, with a 2-3/4-inch deep outlet
- E. Isolated-Ground Receptacles: Equipment grounding contacts connected only to the green grounding screw terminal of the device with inherent electrical isolation from mounting strap.
- F. Snap Switches: Heavy-duty, quiet type
- G. Wall Plate: Per Material Schedule on sheet E010.
- H. Floor Service Fittings: Modular, above floor, dual-service units suitable for wiring method used.

Part 3 Execution

3.1 Installation

- A. Install devices and assemblies plus and secure.
- B. Mount devices flush with long dimension vertical unless otherwise indicated.
- C. Protect devices and assemblies during painting.
- D. Install wall plates when painting is complete and paint is cured.

End of Section 16140

Section 16442 - Panelboards

Part 1 - General

1.1 Section Requirements

- A. Submittals: None
- B. Comply with NFPA 70.
- C. Comply with NEMA PB 1.

Part 2 - Products

2.1 Panelboards and Load Centers

- A. Manufacturers: Subject to compliance with requirement, provide products by one of the following:
1. Panelboards, Overcurrent Protective Devices, Controllers, Contactors, and Accessories:
 - a. Square D Co
 - b. Eaton Corp.; Cutler-Hammer Products
 - c. General Electric Co.; Electrical Distribution & Control Div.
 - d. Siemens Energy & Automation.
 2. Recessed, NEMA PB1, Type 1.
 1. Load Center Capacity: as shown on drawings.
 2. Front: Secured to box with concealed trim clamps
 3. Doors: With concealed hinges, flush catches, and tumbler locks, all keyed alike.
 4. Bus: Hard drawn copper of 98 percent conductivity.

- C. Molded-Case Circuit Breakers: NEMA AB 1, plug-in type, Single-handle for multiple circuit breakers. Appropriate for application, including Type SWD for repetitive switching lighting loads and Type HACR for heating, air-conditioning, and refrigerating equipment.

- D. Contactors: NEMA ICS 2, Class A combination contactors.

Part 3 - Execution

3.1 Installation

- A. Install panelboards and accessory items according to NEMA PB 1.1. Provide typed, permanently-mounted English and Spanish circuit directories showing the panel schedules as installed in each panelboard.
- B. Mounting Heights: Top of trim 74 inches above finished floor, unless otherwise indicated.
- C. Future Circuit Provisions at Flush Panelboards: Stub four empty 3/4-inch conduits from panelboard into accessible or designated ceiling space.
- D. Wiring in Panelboard Gutters: Arrange conductors into groups, bundle and wrap with wire ties according to NEC guidelines.
- E. Tighten electrical connectors and terminals, including grounding connections, according to manufacturer's published torque-tightening values. Where manufacturer's torque values are not indicated, use those specified in UL 486A.
- F. Perform visual and mechanical inspections and electrical tests stated in NETA ATS.

End of Section 16442

Section 16500 - Lighting

Part 1 - General

1.1 Section Requirements

- A. Submittals: None.
- B. Fixtures, Emergency Lighting Units, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, a testing agency acceptable to authorities having jurisdiction.
- C. Coordinate ceiling-mounted luminaires with ceiling construction, mechanical work, and security and fire-prevention features mounted in ceiling space and on ceiling.

Part 2 - Products

2.1 Fixtures and Fixture components, General

- A. Metal Parts: Free from burrs, sharp corner, and edges. Steel, unless otherwise indicated. Form and support to prevent warping and sagging.
- B. Doors, Frames, and Other Internal Access: Smooth operating, free from light leakage under operating conditions, and arranged to permit re-lamping without use of tools. Arrange doors, frames, lenses, diffusers, and other pieces to prevent accidental falling during re-lamping and when secured in operating position.
- C. Lenses, Diffusers, Covers, and Globes: 100 percent virgin acrylic plastic or annealed crystal glass, unless otherwise indicated.

Part 3 - Execution

3.1 Installation

- A. Set units level, plumb, and square with ceiling and walls, and secure.
- B. Support for Recessed and semirecessed Grid-Type Fluorescent Fixtures: Install ceiling support system rods or wires at a minimum of 4 rods or wires for each fixture, located not more than 6 inches from fixture corners.
- C. Support for Suspended Fixtures: Support according to manufacturer's recommendations.
- D. Lamping: Where specific lamp designations are not indicated, lamp units according to manufacturer's written instructions.

End of Section 16500

Electrical Sheet List

	Electrical Specifications
E010	Electrical Specifications
E100	Electrical Lighting Plan
E110	Electrical Power Plan
E115	Electrical Site Plan
E600	Electrical Schedules
E700	Electrical Interior Elevations
E705	Electrical Interior Elevations
E710	Electrical Details

Electrical Symbol Legend

Lighting Symbols



Lighting Fixtures, Typical, Rectangular (Various Symbols)



Lighting Fixtures, Typical, Round (Various Symbols)



Wall-mounted fixtures, Typical (Various Symbols)



Directional Light, Track Light, Flood Light



Emergency Lighting Unit, Ceiling-Mounted, Integral Battery



Emergency Lighting Unit, Wall-Mounted, Integral Battery



Exit Light, Ceiling-Mounted, Shading and arrows indicate faces and directional chevrons.



Exit Light, Wall-Mounted, Shading and arrows indicate faces and directional chevrons.



Pole/Area Lights



General Purpose Single-Pole Switch



Switch Modifiers:



Junction Box for RJ-45 Data Outlets.



Double gang junction box for RJ-45 data outlets.



Junction box for RJ-11 telephone outlets.



Electrical Panelboards



Security System Keypad: Provide a recessed JB with a 1/2" conduit to above the drop tile ceiling in the office area and terminate with a conduit bushing.



Security System Door Contact: See Electrical power plan for more information.

Power Symbols



Simplex Receptacle



Duplex Receptacle



Quadruplex Receptacle



Special Receptacle, Type as Indicated



Receptacle Modifiers:



Junction Box



Disconnect Switch:



Telecom Symbols



Plan Note: See plan notes listed on the same sheet for note meaning



Callout: Top Value: Detail Number on Sheet Bottom Value: Sheet Number of Detail



Electrical Panelboards



Electrical Panelboards



Electrical Panelboards



Electrical Panelboards



Electrical Panelboards



Electrical Panelboards



Electrical Panelboards

Electrical Material Schedule

Application	Allowable Material
Conductors	
#8 AWG and Larger	Stranded CU, Type THHN/THWN or XHHW
#10 AWG and Larger	Solid CU, Type THHN/THWN or XHHW
Cord (Exposed indoor locations)	Type SO or SJO Service Cord with CU Conductors
Conduits	
Connection to vibrating equipment (exposed indoor dry locations)	Flexible Metal Conduit
Connection to vibrating equipment (Exposed wet or damp locations)	Liquidtight Flexible Metal Conduit
Indoor, concealed above grade	Electrical Metallic tubing, Flexible metal conduit or metal clad cable
Indoor, exposed	Electrical Metallic Tubing, U.N.O.
Indoor, within 1-1/2" of roof deck	Intermediate Metal Conduit
Low or line voltage, below grade	Rigid Nonmetallic Conduit (Schedule 40 PVC)
Low voltage, indoor, above grade	Electrical Metallic Conduit
Outdoor, above grade, exposed or concealed	Intermediate Metal Conduit
Wiring Devices	
IG or IG/GFI Receptacles	Gray device with stainless steel cover plate
In Kitchen, Office, or non-public spaces	Gray device with stainless steel cover plate
In Restrooms	White device with white cover plate
On drywall in Dining Room	White device with white cover plate
On Hot Rolled Steel, Richlite, or other black finishes	Black device with black cover plate

Electrical Abbreviations

(E)	Existing
ABV	Above
ADA	Americans With Disabilities Act
AF	Above Finished Floor
AFG	Above Finished Grade
AHJ	Authority Having Jurisdiction
BFF	Below Finished Floor
BFG	Below Finished Grade
BOH	Back of House
CLG	Ceiling
CTE	Connect to Existing
DN	Down
EXT'G	Existing
FLR	Floor
FOH	Front of House
GFCI	Ground Fault Current Interrupter
GYP	Gypsum Board
IG	Isolated Ground
NF	Non-Fused
NL	Night Light
NTS	Not To Scale
O/H	Overhead
TYP	Typical
U/G	Underground
UNO	Unless Noted Otherwise
W/	With
WIC	Walk-In Cooler
WP	Weatherproof

CO2AS	Tenant's CO2 Alarm Supplier
GC	General Contractor
HES	Tenant's HVAC Equipment Supplier
HS	Tenant's Hood Supplier
KES	Tenant's Kitchen Equipment Supplier
LL	Landlord
MSS	Tenant's Music Systems Supplier
SPS	Tenant's Soda Pop Supplier
TAB	Tenant's Test And Balance Vendor
TCC	Tenant's Cabling Contractor
TDC	Tenant's Duct Cleaner
TEMS	Tenant's Energy Management System Supplier
TLS	Tenant's Light/Lamp Supplier
TMB	Tenant's Menu Board Supplier
TMS	Tenant's Millwork Supplier
TP	Tenant's Phone Supplier
TPS	Tenant's Panelboard Supplier
TRS	Tenant's Railing Supplier
TSV	Tenant's Sign Vendor
TUV	Tenant's UV Sanitizer Supplier
WCS	Tenant's Walk-In Cooler Supplier
WHS	Tenant's Water Heater Supplier

Electrical General Notes

- A. General notes apply to electrical sheets.
- B. Electrical work shall be done in accordance with the electrical code and in accordance with the authority having jurisdiction. See Architectural sheets for the prevailing codes.
- C. Wiring shall be (2) #12, #12 G in 3/4" C unless noted otherwise.
- D. Individual conduit home runs shown shall not be consolidated.
- E. Circuit emergency lights, illuminated exist signs, and night lights ahead of local switching.
- F. Install wall switches at 48" AFF to center of switch and receptacles at 18" AFF to center of receptacle unless noted otherwise.
- G. Install conduit concealed above the ceiling, in walls, or in raceways.
- H. Provide 1" conduit with pull string from each J-Box for telephone or data jacks to above office ceiling. See material schedule for allowable conduit materials. Provide conduits with minimal elbows and terminate conduits above office ceiling with conduit bushing.
- I. The term "furnish"

Lighting Control Panel Schedule: LCP

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	A	30	Dining Room DL	Timeclock	10:00:00 AM	12:00:00 AM	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)

Lighting Control Panel Schedule Notes
A. Duplicate panel schedule and permanently install within the lighting control panel.

Lighting Control Components Schedule

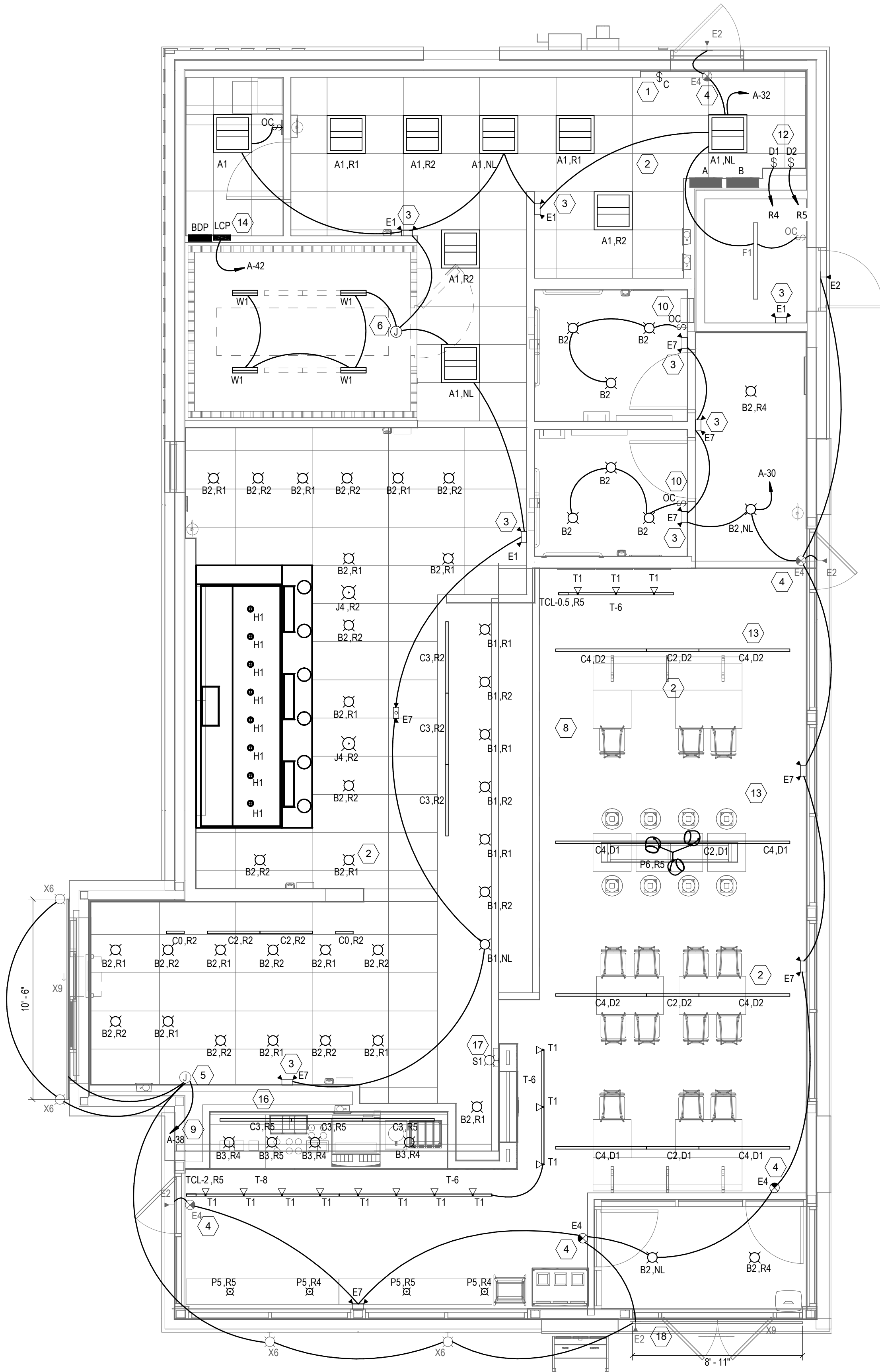
	Description	Quantity	Furnished By	Installed By	Manufacturer	Model	Remarks
LCP	nLight Lighting Control Panel	1	TLS	GC	Acuity	ARP INTENC08 NLT 8SPR 1M VOLT FM DTC	8 relay panel for dimming control with flush mount enclosure, and digital time clock.
C	Wall-Mounted Override Switch	1	TLS	GC	Acuity	nPODMA 4P	See lighting control diagram for switch configuration.
D	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.
OC	Wall-Mounted Line Voltage Occupancy Sensor	4	TLS	GC	Hubbell	LHMTS 1-N-WH	White dual technology single relay with 1 button and neutral wiring.

Luminaire Schedule											
Tag	Count	Description	Mounting	Voltage	Watts	Furnished By	Installed By	Manufacturer	Model Number	Lamp	Notes
A1	9	2x2 LED Lensed Troffer	Lay-In	120 V	30 W	TLS	GC	Nora Lighting	NPDBL-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-GU24-27K -25D LED (25'-2700K) W/ GU 24 Base	
B2	36	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	4	Recessed 6IN Can Light W/ Black LED Trim	Ceiling	120 V	12 W	TLS	GC	Nora Lighting	NHIC-6G24ATFL With NLCBC2-65127BB 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/12WW	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/34WW	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/46WW	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/59WW	Integral 3000K LED	Furnished with covers, connectors, and one hardwire box or cord/plug per section
E1	5	Emergency Light - Dual Head	Various	120 V	2 W	TLS	GC	Exitronix	LED-90	Integral LED	90 minute battery backup
E2	2	Exterior Remote Emergency Light	Various	4 V	1 W	TLS	LL	Exitronix	MLED1-B-WP	Integral LED	Low voltage remote emergency light powered by remote-capable exit sign with mounting plate
E4	2	White Exit Sign With Emergency Light - Standard Red Letters	Various	120 V	2 W	TLS	LL	Exitronix	CLED-U-WH	Integral LED	90 minute battery backup with integral emergency light, remote head capable
E7	8	Emergency Light	Various	120 V	2 W	TLS	GC	Exitronix	EV2	Integral LED	90 minute battery backup
G4	1	Patio Pole Light (1 Pole, 2 Heads)	Pole	120 V	10 W	TLS	GC	RAB Lighting	ALED10Y W/ PS4-11-10D2 Pole	Integral LED	See plan for lamp head configuration. Refer to architectural sheets for finish and installation detail
H1	8	Vapor Proof Hood Light	Surface	120 V	15 W	HS/TLS	HS	Furnished W/ Hood	Furnished W/ Hood	(1) TCP L16A19N1527K	Install lamp furnished separately by lighting supplier
J4	2	Decorative Pendant	Pendant	120 V	9 W	TLS	GC	Barnlight	BLE-C-BRN-100-A-SH-SB K-100-NA-GU24	Green Creative 9A19DIM/927/GU24/R	With black lampshade, black cord, and oak lampholder
P5	4	Pendant	Pendant	120 V	5 W	TLS	GC	HL-100-MFG	HL-C-917GB12-9120WBL	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	SLM500B 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	R605L 30K 90CRI PDIM WFL BL	Integral LED	Black cylinder track head w/ universal 120v trac adapter and wide flood beam
T-6	3	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	TCLFM11 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	TCLFM11 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	Furnish W/ WIC	Integral LED	Wet-rated cooler fixture

Lighting Fixture Schedule Notes
A. See the architectural reflected ceiling plan for exact light locations.
B. See the architectural lighting details for fixture construction details.

Keynotes

1. Install wall-mounted lighting override switch and connect to LCP as shown in detail 6/E710.
2. For uncircuited 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. Not Used.
8. Provide unistrut as shown on the architectural RCP per the architectural unistrut detail. Typical.
9. Connect exterior lighting circuit to circuit shown through the exterior lighting contactor panel per detail 6/E710.
10. Install wall-mounted occupancy sensor furnished by lighting supplier at 42" AFF. Adjust occupancy sensor to provide automatic on/automatic off operation with a fixed timer of 30 minutes and with both the passive infrared and ultrasonic sensors enabled.
11. Not Used.
12. Install wall-mounted dimmers above panelboards 6" above lay-in ceiling for control of dining room overhead strip LED and pendant lights. Connect dimmers to relays shown through the lighting control panel. Set dimmers at 50%.
13. Connect dining room (relay circuits R4 and R5) overhead strip LED lights to the relay indicated through the corresponding wall-mounted dimmer installed above the panelboards.
14. Install lighting control system per detail 6/E710.
15. Not Used.
16. 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.
17. Install chime/strobe furnished with vehicle detection system on wall 12" below ceiling and connect to vehicle detector system per the manufacturer's installation instructions.
18. Install E2 remote emergency light to bottom of canopy. Conceal low voltage wiring from exit sign to remote emergency light.



1 E100 Lighting Floor Plan
1/4" = 1'-0"

Electrical Power Plan Notes

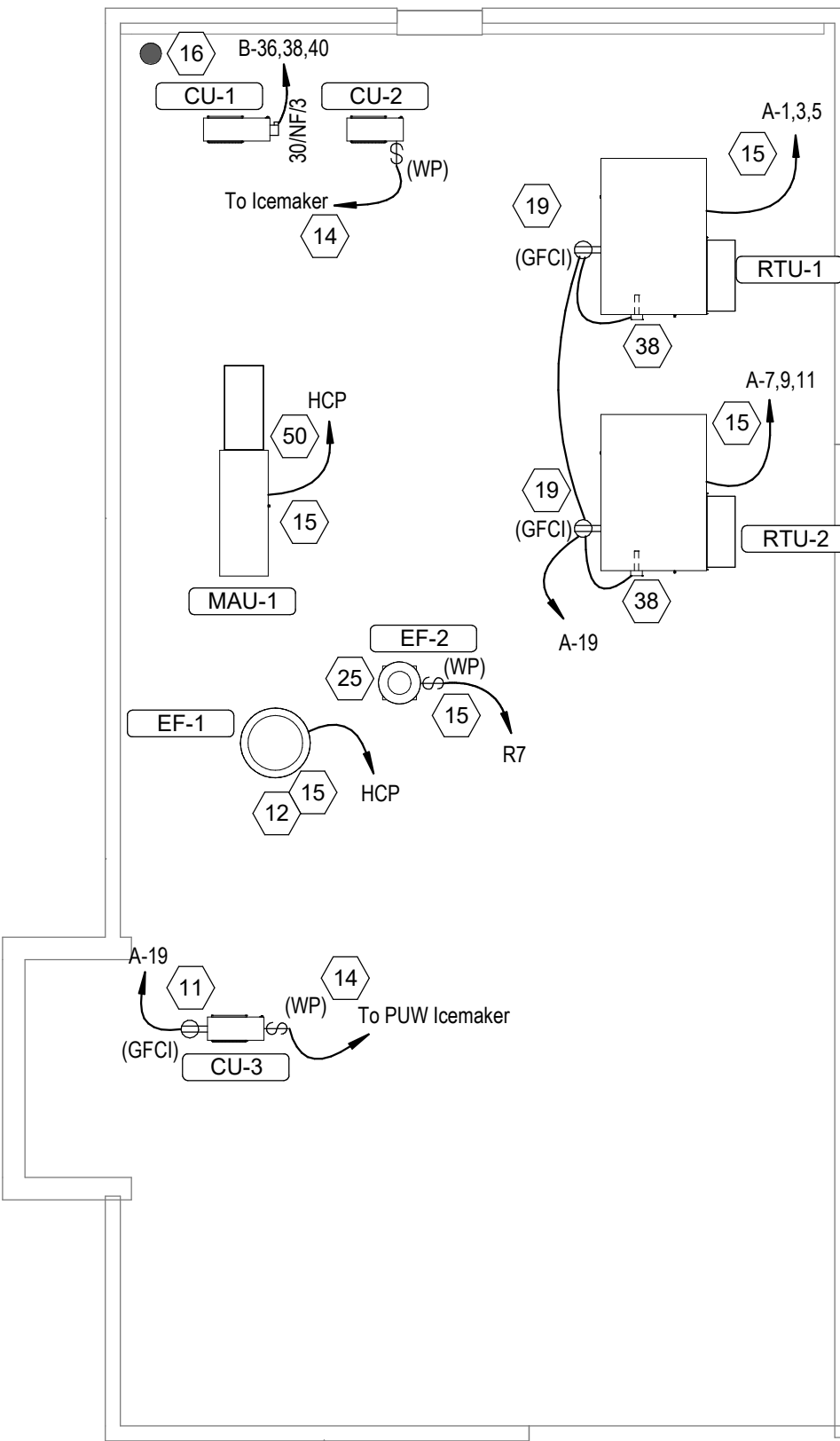
1. Show room window receptacle. Coordinate exact receptacle mounting height in the field. Location shall be in the drywall immediately above the main store-front window and as shown in the dining room electrical elevations on sheet E700.
2. Ice machine electrical tie-in. Coordinate exact location with equipment installer prior to rough-in. Provide L5-20P flanged inlet wired to the remote condenser. Provide 48" cords, one with 5-20P end and one with L5-20R end, from ice maker to receptacle and flanged inlet.
3. Connect receptacles serving equipment below the kitchen hood to the circuits shown through the contactor integral to the hood control panel. Integral contactor shall be interlocked to hood fire protection system so that receptacles are de-energized upon activation of hood fire protection system.
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 6/E710.
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 marshal 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 unit-mounted weatherproof GFCI receptacle. Provide connection to circuit shown.
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 virguard system is installed.
13. After the fax line, POS, and office equipment is installed provide childproof receptacle covers on unused IG receptacles at the fax line, POS, and office.
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 weather head even with top of parapet for future cell booster. Secure conduit to structure to support future antenna installation. Provide 1/2" x 2" x 10" 16-hole grounding busbar (Burndy BBB14210A or equal) mounted to conduit above roof for future connection of lightning 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 3/E710.
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 receptacles 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 receptacles 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 receptacles "Battery-protected: Disconnect at panel BDP."
23. Label main disconnect switch and Panel A "Warning: Battery-protected receptacles in use. Disconnect at panel BDP".
24. Provide 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 MDP 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.
27. Provide power connections to island prep table per detail 2/E710. Provide GFCI duplex receptacles in two J-Boxes integral to prep table for hot holding cabinet and general receptacle.
28. Provide GFCI receptacle and J-Box and install CO2 alarm furnished by CO2AS as shown in Detail 4/E710.
29. Provide J-Box and install CO2 alarm remote display unit furnished by CO2AS as shown in Detail 4/E710.

Electrical General Notes

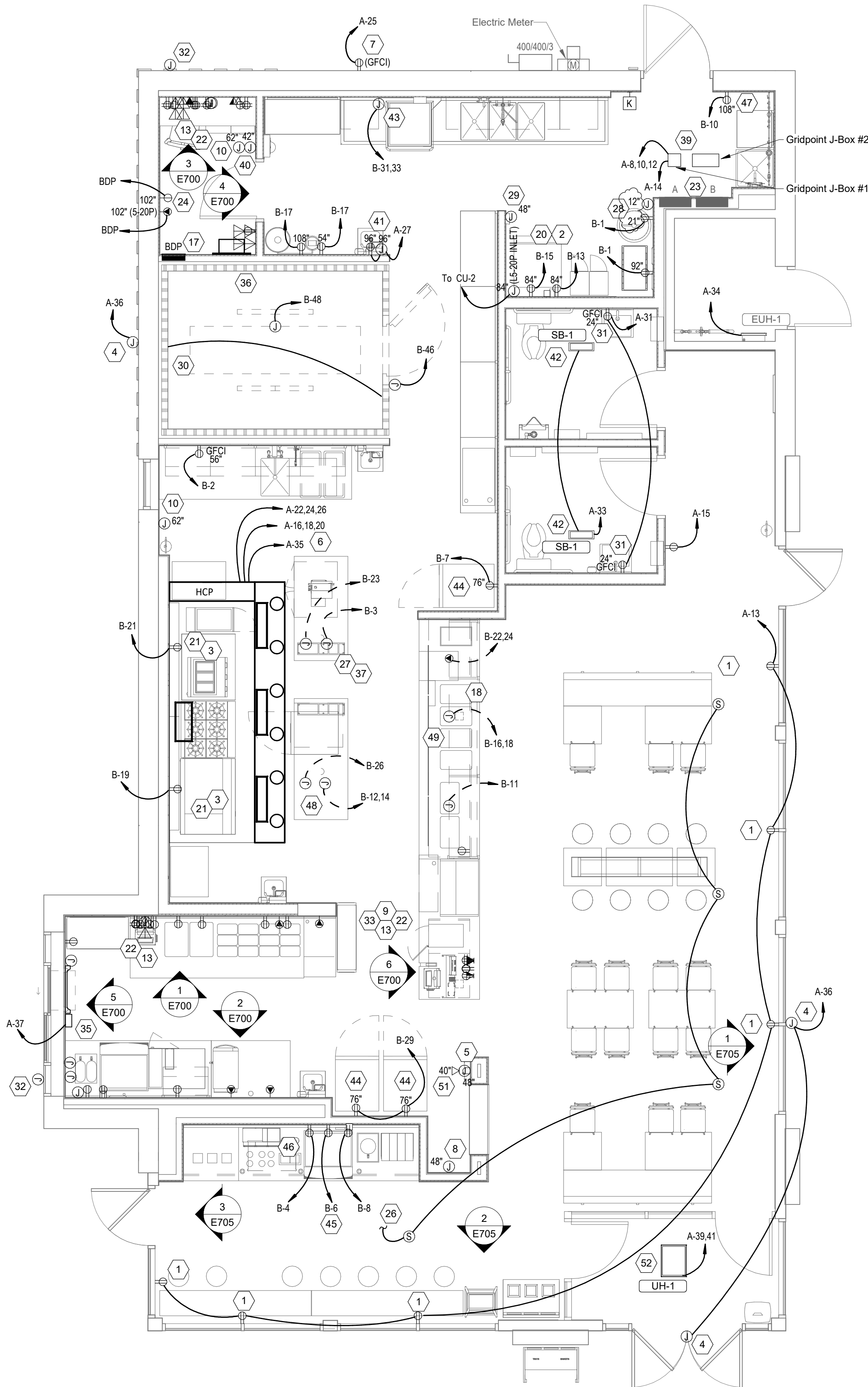
- A. Provide receptacles for cookline power at 24 AFF for each piece of cookline equipment. The receptacles under the hood to be powered so they are de-energized upon activation of the hood Ansul system. Provide 2 gang metal weather-proof covers (Hubbell Taymac MX2150S) on receptacles at cook line. Do not provide weatherproof covers on electric rice cooker outlets that aren't located below the hood. The receptacles for the standard cookline equipment should be as follows:
- | | |
|-----------------|--|
| Plancha: | NEMA 15-60R (45.0 A load) |
| Future Plancha: | (2) NEMA 15-50R (0 A load currently) (place behind plancha in addition to the 15-60R for the plancha for a potential future change to the Plancha) |
| Range: | NEMA 15-50R (33.0 A) |
| Fryer: | NEMA 15-50R (38.9 A load) (do not place directly behind fryer since fryer will not be movable - place behind range instead) |
| Rice Cookers: | NEMA 6-30R for each rice cooker (22.0A load) |

Electrical Power Plan Notes

30. 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.
31. Provide receptacle for restroom hand sink faucet as shown in Detail 14/P700.
32. 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 pullingstring 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.
33. Provide 1" conduits from low-voltage J-Boxes at POS counter concealed within the serve line wiring chase to the wall, then concealed within the wall and above the ceiling to above the office ceiling.
34. Not used..
35. 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.
36. Seal interior and exterior of conduits that pass through the Walk-in cooler envelope per the NEC.
37. Provide island prep table food warmer receptacle with ground pin towards the bottom of the receptacle.
38. Install transformer furnished by TUV with the REME halo air purifier in the junction box on the exterior of the RTU per detail 6/M700. Connect line side of the transformer to the RTU service receptacle circuit so that REME halo runs continuously. Connect the low voltage side of the transformer to the REMO halo using the included barrel plug.
39. Provide (2) 10" x 10" x 4" junction boxes (J-Box #1/J-Box #2) on the wall above panelboards 6" below the lay-in ceiling and mounted adjacent to each. Provide conduits and wiring shown in detail 8/E710. 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.
40. Provide horizontal single-gang J-Box below future gridpoint controller location. Provide conduits and wiring as shown in detail 8/E710.
41. 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.
42. Connect bathroom sanitizer to circuit shown so that it is energized at all times.
43. Provide power and low voltage connections to dish sanitizing machine per detail 7/E710. Connect the detergent dispenser to the dish machine using the included wiring harness per the manufacturer's installation instructions.
44. Provide receptacle for 2-door and 1-door refrigerators with ground pins towards the bottom of the receptacle.
45. Provide cord and Nema 5-20P plug from utensil counter ice maker, through utensil counter, to ice maker receptacle.
46. Label utensil counter receptacles "Tractor Beverage", "Ice Maker/IMSB", and "Soda Fountain".
47. Label receptacle "UV insect trap".
48. Provide power connections to Island prep table per detail 2/E710. Provide GFCI duplex receptacle in the J-Box integral to prep table for undercounter refrigerator. Provide final connection to carving station heater.
49. If neutral conductor is not needed for serve line hot food server, terminate neutral in junction box.
50. Provide a two-conductor low voltage wire in 3/4" C and (4) #12, #12N, #12G in 1" C from MAU-1 to the hood control panel per the manufacturer's installation instructions.
51. Provide horizontal single-gang J-Box for data jack as shown for Kronos time clock.
52. Provide ceiling mounted electric unit heater as manufactured by Indeco model #931U04000V, 3KW, 208V, single phase.



2
E110
Power Roof Plan
1/8" = 1'-0"



1
E110
Power Floor Plan
1/4" = 1'-0"

CONSULTANT:

AYRES
MECHANICAL, ELECTRICAL,
PLUMBING (MEP)
1700 West Highway 36 - Suite 700
Roseville, Minnesota 55113
(651) 639-9606 Fax (651) 639-9618
Project No. 81-0585

CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
PO BOX 16266
COLUMBUS, OH 43216-2666
TELEPHONE: (614) 318-2662
INTERNET: WWW.CHIPOTLE.COM

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422 S. Rand Road
Lake Zurich, IL 60047

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PROJECT NO. 2023-0056
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CHECKED BY ALB

ISSUE RECORD:
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07/03/2024 CONSTRUCTION SET

REVISIONS:
2 06/12/2024 BID SET
3 07/03/2024 CONSTRUCTION SET

TITLE:

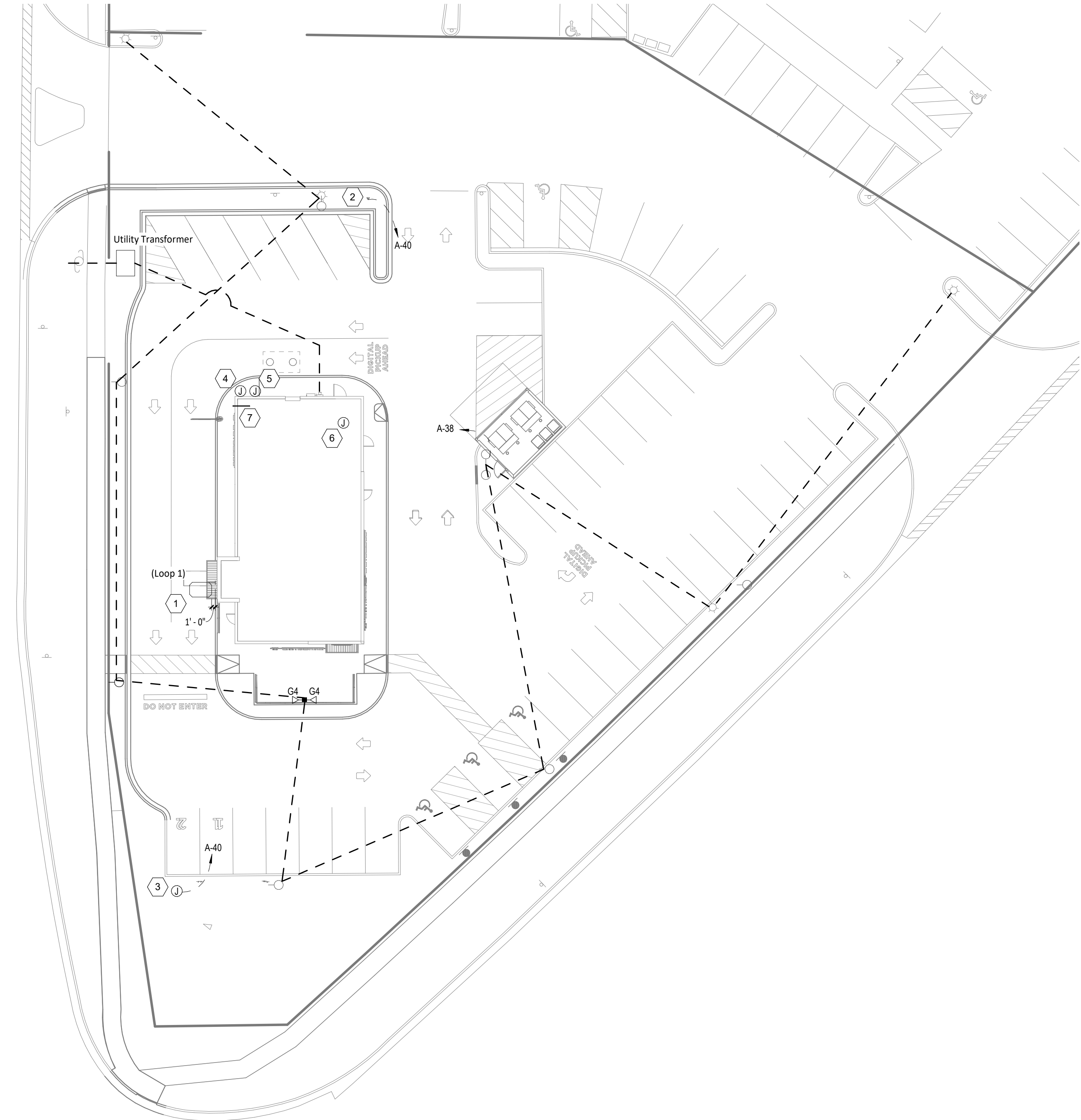
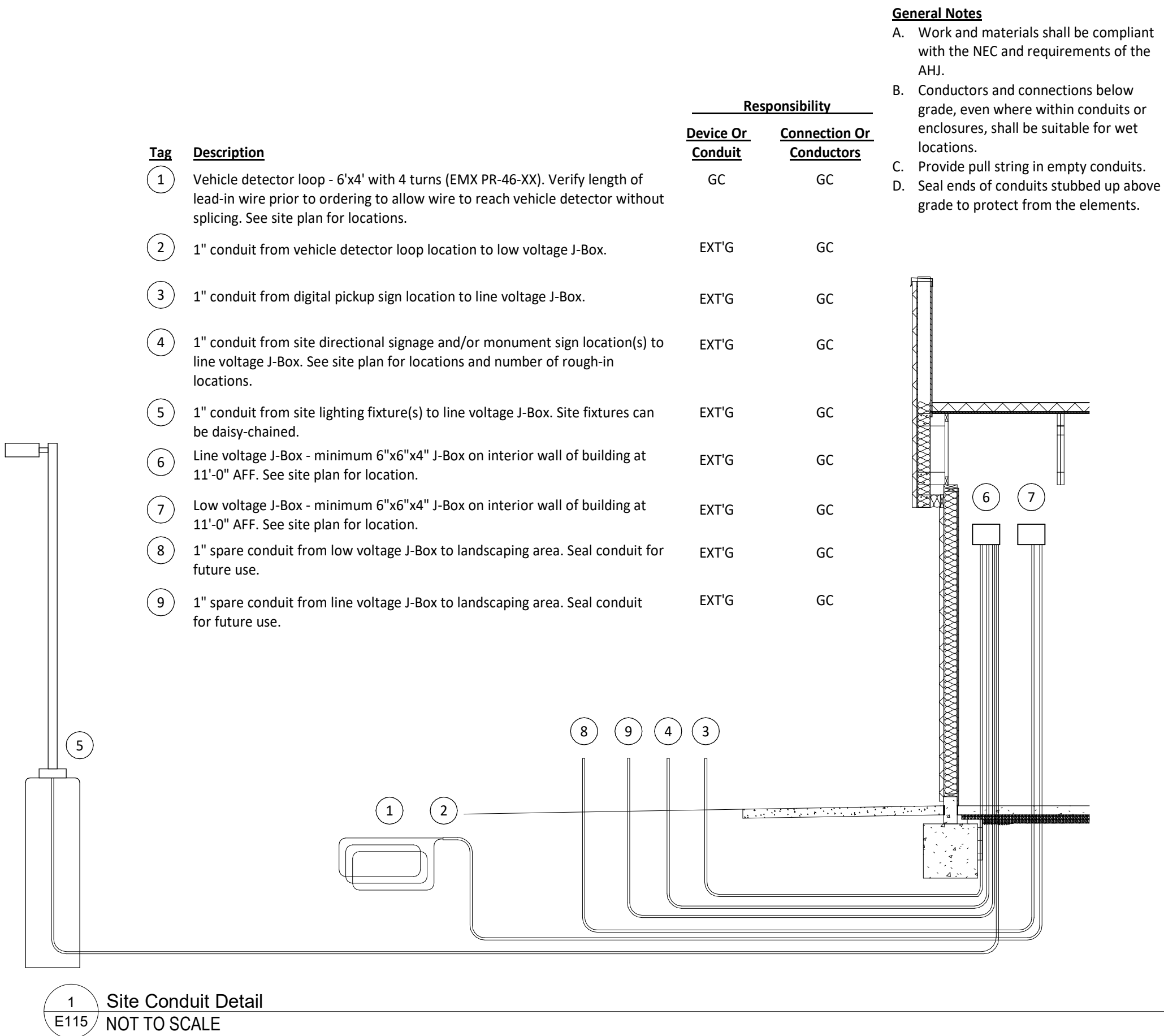
Electrical Power Plan

SHEET NUMBER:

E110

Electrical Site Power Plan Keynotes

1. Install vehicle detection loop furnished by TLS per the manufacturer's installation instructions. Align detector loop to be centered on the pick-up window.
2. Connect digital pickup sign to circuit shown through the exterior lighting contactor panel as shown in Detail 6/E710. See Detail 2/this sheet for site conduits.
3. Connect monument sign to circuit shown through the exterior lighting contactor panel as shown in Detail 6/E710. See Detail 2/this sheet for more information.
4. Existing 1" spare low voltage conduit. See Detail 2/this sheet for more information.
5. Existing 1" spare line voltage conduit. Set Detail 2/this sheet for more information.
6. Existing interior J-Boxes at 11'-0" AFF for line voltage and low voltage site wiring. See Detail 2/this sheet for more information.
7. Provide an empty 2" conduit with pull string from the base building's telephone service entrance location to the space above the office ceiling.
8. Site lighting locations are referenced only - refer to civil for additional information. Connect site lighting fixtures to circuit shown through the exterior lighting contactor panel as shown in Detail 6/E710. See Detail 2/this sheet for more informaton. Size branch circuit wiring to limit voltage drop to 3 percent.
9. Existing 4" conduit from primary side of pad mount transformer to pole mounted utility service. Coordinate with ComEd for connection requirements to overhead utility.



CONSULTANT:

AYRES
MECHANICAL, ELECTRICAL,
PLUMBING (MEP)
1700 West Highway 36 - Suite 700
Roseville, Minnesota 55113
(651) 639-9606 Fax (651) 639-9618
Project No. 81-0585

CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
PO BOX 18296
COLUMBUS, OH 43218-2968
TELEPHONE: (614) 318-2492
INTERNET: WWW.CHIPOTLE.COM

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REVISIONS:

TITLE:

Electrical Site Plan

SHEET NUMBER:

E115

Panelboard: BDP

Location: OFFICE 109

Supply: A

Mounting: Flush

Enclosure: NEMA 1

Features & -

Modifications:

Voltage: 120 V, 1Ø, 2W

Bus Rating: 20 A

Neutral: 100%

Mains Type: MLO

Mains Rating: 20 A

Mains FN/Note: -

SCCR: 10 KA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase C Load (VA)
1	POS	15	1		200
2	DML - POS	15	1		200
3	DML - Ordering System	15	1		700
4	Office - Security System	15	1		200
5	Office - Computer	15	1		360
6	Office - DVR/ISP	15	1		540
Connected Load:					2 kVA
Connected Current:					18 A

Load Classification	Connected	Factor	Demand	Panel Totals Connected Load: 2 kVA Connected Current: 18 A Demand Load: 2 kVA Demand Current: 18 A
Receptacle - General	2200 VA	100.00%	2200 VA	

Notes:

Branch Panel: A												
Location: KITCHEN 108						Volts: 208Y/120			A.I.C. Rating: 65,000			
Supply From: Utility						Phases: 3			Mains Type: MCB			
Mounting: Recessed						Wires: 4			Mains Rating: 400 A			
Enclosure: Type 1									MCB Rating: 400 A			
									Feed Thru Lugs: Yes			
Notes: Panel furnished under separate construction package.												
CKT	Circuit Description	Notes	Trip	Poles	A	B	C	Poles	Trip	Notes	Circuit Description	CKT
1					5461... 0 VA							2
3	Air Conditioner - Kitchen (RTU-1) (3-#6, #10 G. in 1" C.)	HACR	60 A	3		5461... 0 VA					TVSS (4-#6, #10 G. in 1" C.)	4
5							5461... 0 VA					6
7					4188... 0 VA							8
9	Air Conditioner - Dining Room (RTU-2) (3-#8, #10 G. in 3/4" C.)	HACR	50 A	3		4188... 0 VA					Gridpoint 3 Phase Meter (4-#12, #12 G. in 3/4" C.)	10
11							4188... 0 VA					12
13	Receptacles - Storefront		20 A	1	1080... 200 VA						Gridpoint Transformer	14
15	Receptacles - Dining		20 A	1		180 VA 901 VA						16
17	Panel BDP		20 A	1			2200... 901 VA				Hood Exhaust Fan (EF-1) (3-#12, #12 G. in 3/4" C.)	18
19	Receptacle - Rooftop		20 A	1	541 VA 901 VA							20
21	Receptacles - POS General		20 A	1		700 VA 400 VA						22
23	Security/Audio		20 A	1			400 VA 400 VA				Hood Makeup Air Fan (MAU-1) (3-#12, #12 G. in 3/4" C.)	24
25	Irrigation Controller		20 A	1	36 VA 400 VA							26
27	GFCI - Receptacles - Office	GFCI	20 A	1		1260... 500 VA					Restroom Fan (EF-2)	28
29	GFCI - Receptacles - DML	GFCI	20 A	1			1040... 580 VA				Lighting - Dining Room	30
31	Receptacles - Restrooms		20 A	1	400 VA 1538...						Lighting - Kitchen	32
33	Bathroom Sanitizer		20 A	1		0 VA 2117...					Fire Riser Room Heater (EUH-1)	34
35	HD-1 (Control and Lights)		15 A	1			144 VA 600 VA				Sign Lighting	36
37	Vehicle Detector		20 A	1	30 VA 173 VA						Lighting - Exterior	38
39	Vestibule Heater (UH-1) (2-#10, #10 G. in 3/4" C.)		20 A	2		1500... 200 VA					Site Signage	40
41							1500... 0 VA				Lighting Control Panel	42
43	Spare		20 A	1	0 VA 200 VA						Pick-up Window	44
45	Spare		20 A	1		0 VA 2100...					PUW Air Curtain (2-#10, #10 G. in 3/4" C.)	46
47	Spare		20 A	1			0 VA 2100...				Spare	48
49	Spare		20 A	1	0 VA 0 VA						Spare	50
51	Spare		20 A	1		0 VA 0 VA					Spare	52
53	Spare		20 A	1			0 VA 0 VA				Spare	54
					Total Load:	34448 VA	37432 VA	40040 VA				
					Total Amps:	287 A	316 A	337 A				
Legend:												
Load Classification			Connected Load		Demand Factor		Estimated Demand		Panel Totals			
Motor			36496 VA		111.22%		40592 VA					
Lighting			3091 VA		125.00%		3863 VA		Total Conn. Load: 111920 VA			
Receptacle - General			12071 VA		91.42%		11036 VA		Total Est. Demand: 95932 VA			
Electric Heat			2117 VA		125.00%		2646 VA		Total Conn. Current: 311 A			
Kitchen Equipment			58146 VA		65.00%		37795 VA		Total Est. Demand Current: 266 A			
Notes:												

Branch Panel: B												
Location: KITCHEN 108					Volts: 208Y/120				A.I.C. Rating: 65,000			
Supply From: A					Phases: 3				Mains Type: MLO			
Mounting: Flush					Wires: 4				Mains Rating: 400 A			
Enclosure: Type 1									Feed Thru Lugs: No			
Notes: Panel furnished under separate construction package.												
CKT	Circuit Description	Notes	Trip	Poles	A	B	C	Poles	Trip	Notes	Circuit Description	CKT
1	Carbonator/CO2 Alarm	GFCI	20 A	1	1300... 1400...				1	20 A	Food Prep Table	2
3	Food Prep Table (Island)		20 A	1		1400... 1100...			1	20 A	Soda System Dispenser	4
5	Spare		20 A	1			0 VA 1400...		1	20 A	Ice Maker - Utensil Counter	6
7	Reach-In Refrigerator	GFCI	20 A	1	600 VA 1000...				1	20 A	GFCI Bubbler	8
9	Ready-To-Drink Refrigerator	GFCI	20 A	1		1100... 200 VA			1	20 A	GFCI UV Insect Light Trap	10
11	Cold Top (Serve Line)		20 A	1			1400... 1000...		2	20 A	Carving Station (2-#10, #10 G. in 3/4" C.)	12
13	Ice Maker Sanitizer	GFCI	20 A	1	200 VA 1000...							14
15	Ice Maker	GFCI	20 A	1		1900... 2100...			2	30 A	Hot Food Server (Serve Line) (2-#10, #10 N., #10 G. in 3/4" C.)	16
17	Gas Water Heater	GFCI	20 A	1			1126... 2100...					18
19	Gas Griddle	GFCI	20 A	1	100 VA 0 VA				1	20 A	Spare	20
21	Gas Fryer/Rice Cooker	GFCI	20 A	1		100 VA 1400...					Tortilla Press (Serve Line) (2-#10, #10 N., #10 G. in 3/4" C.)	22
23	Food Warmer (Rice Table)		15 A	1			200 VA 1400...		2	20 A	GFCI Refrigerator (Cook Line)	24
25	Tortilla Press (DML) (2-#10, #10 G. in 3/4" C.)	GFCI	20 A	2	1400... 300 VA				1	20 A	Refrigerator (Cook Line)	26
27	Upright Refrigerator	GFCI	20 A	1		1400... 2100...			2	30 A	GFCI Hot Food Server (DML) (2-#10, #10 N., #10 G. in 3/4" C.)	28
29	Dish Machine (2-#10, #10 G. in 3/4" C.)		30 A	2	2600... 1400...				1	20 A	GFCI Foodwarmer (DML)	32
31					2600... 1200...				1	20 A	GFCI Cold Top (DML)	34
33	Quesadilla Maker (2-#10, #10 G in 3/4" C.)	GFCI	30 A	2	2900... 1100...			2900... 1100...	3	15 A	CU-1 (3-#10, #10 G. in 3/4" C.)	36
35												38
37	Undercounter Cooler (PUW)	GFCI	20 A	1		200 VA 1100...			1	20 A	GFCI Ice Maker (PUW)	40
39	Quesadilla Maker (2-#10, #10 G. in 3/4" C.)	GFCI	30 A	2	2900... 1100...			2900... 1500...	1	20 A	GFCI Soda System Dispenser (PUW)	42
41	Spare		20 A	1		0 VA 24 VA			1	20 A	WIC - Door Section	44
43	Spare		20 A	1			0 VA 200 VA		1	20 A	WIC - Evaporator	46
45	Spare		20 A	1	0 VA 0 VA				1	20 A	Spare	48
47	Spare		20 A	1		0 VA 0 VA			1	20 A	Spare	50
49	Spare		20 A	1			0 VA 0 VA		1	20 A	Spare	52
51	Spare		20 A	1				0 VA 0 VA	1	20 A	Spare	54
					Total Load:	19300 VA	17924 VA	20526 VA				
					Total Amps:	163 A	149 A	173 A				
Legend:												
Load Classification					Connected Load	Demand Factor	Estimated Demand	Panel Totals				
Kitchen Equipment					57750 VA	65.00%	37537 VA					
								Total Conn. Load: 57750 VA				
								Total Est. Demand: 37537 VA				
								Total Conn. Current: 160 A				
								Total Est. Demand Current: 104 A				
Notes:												

CONSULTANT:
AYRES
MECHANICAL, ELECTRICAL,
PLUMBING (MEP)
1700 West Highway 36 - Suite 700
Roseville, Minnesota 55113
(651) 639-9606 Fax (651) 639-9618
Project No. 81-0585

CLIENT:

CHIPOTLE MEXICAN GRILL, INC.
PO BOX 18296
COLUMBUS, OH 43218-2968
TELEPHONE: (614) 315-2652
INTERNET: WWW.CHIPOTLE.COM

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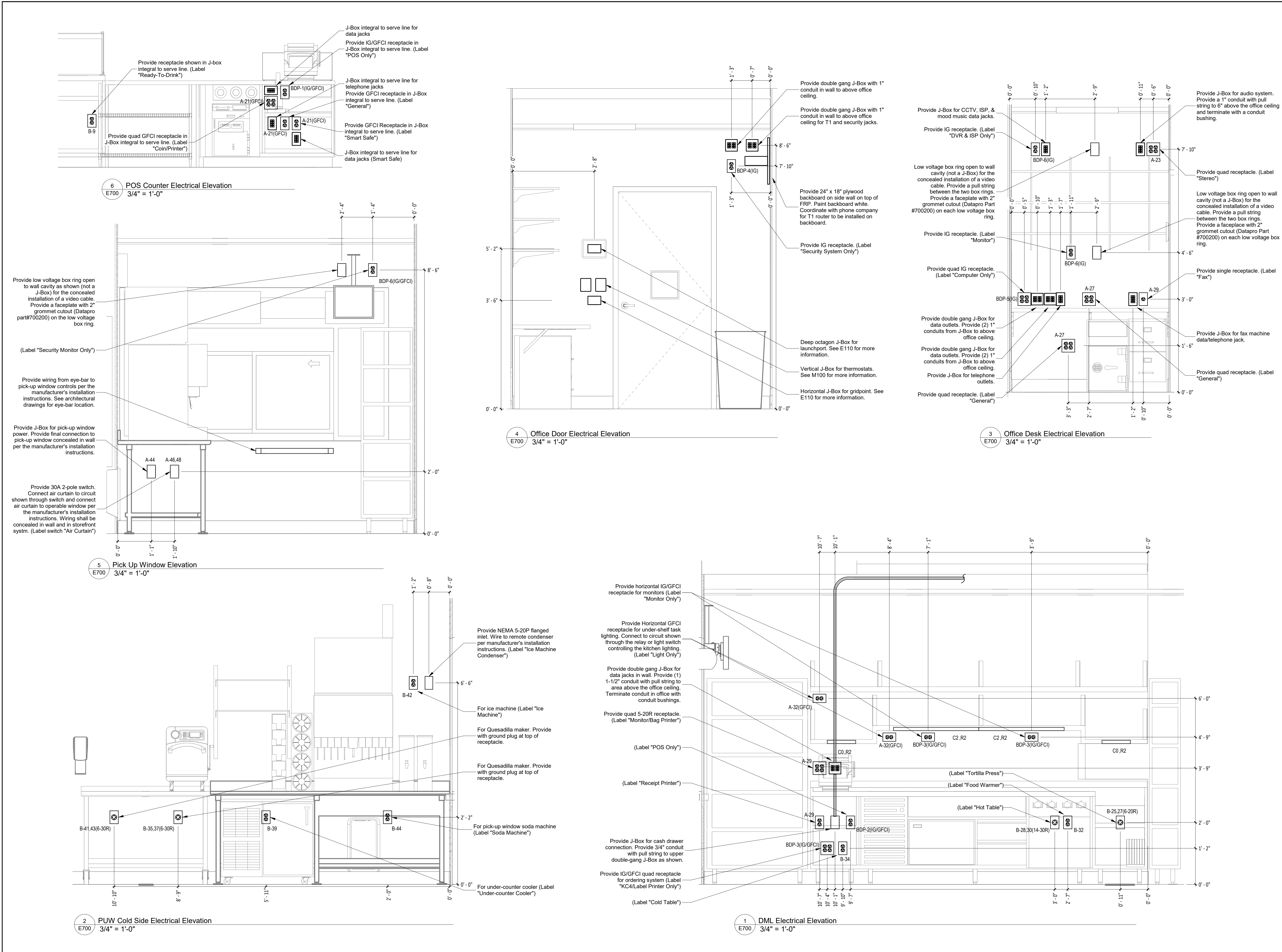
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REVISIONS:

TITLE:
Electrical Schedules

SHEET NUMBER:

E600



CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182966
COLUMBUS, OH 43218-2966
TELEPHONE: (614) 315-2652
INTERNET: WWW.CHIPOTLE.COM

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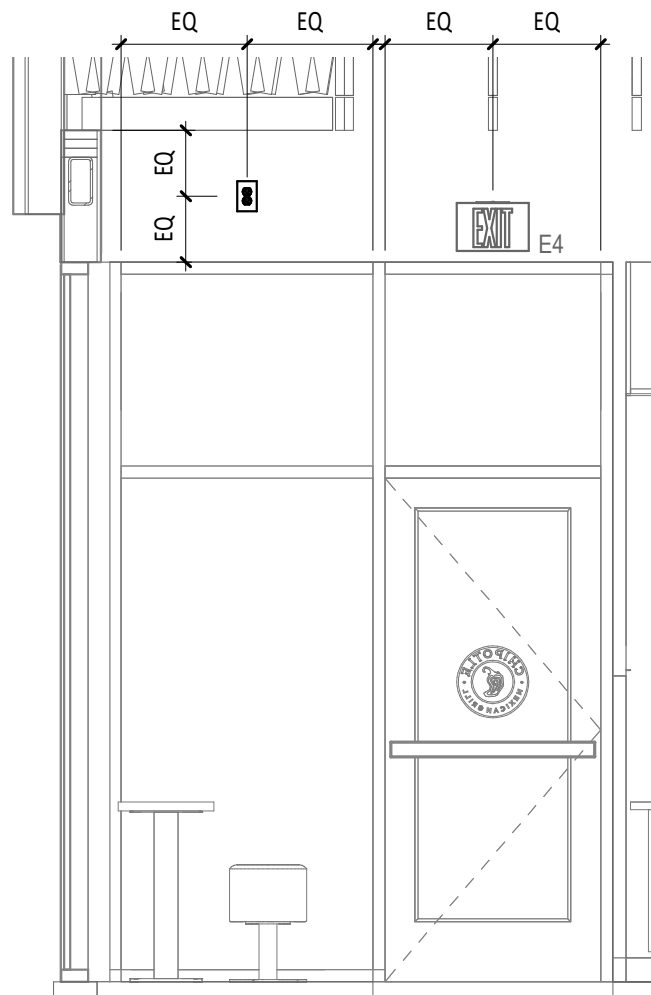
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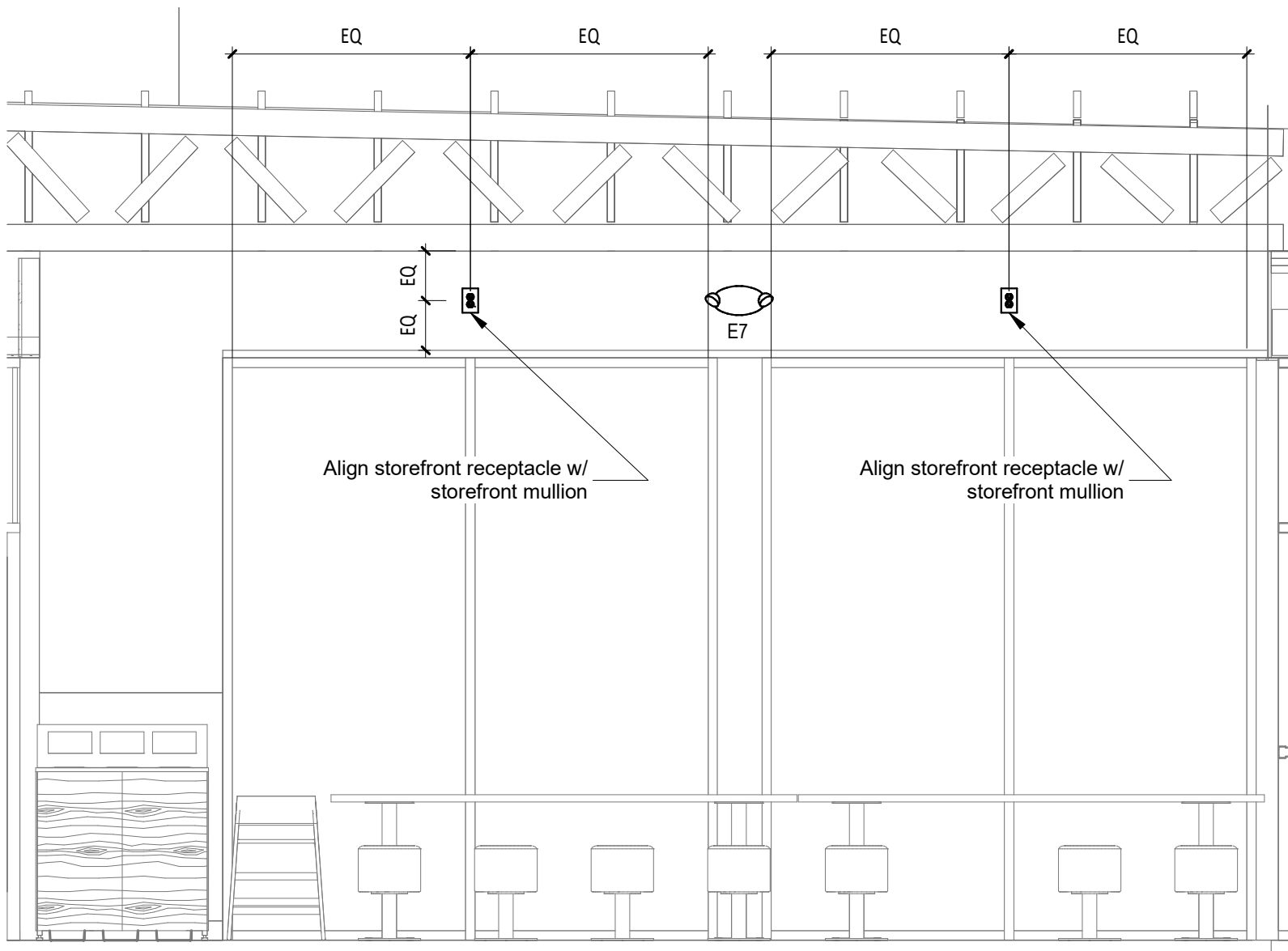
TITLE:
Electrical Interior
Elevations

SHEET NUMBER:

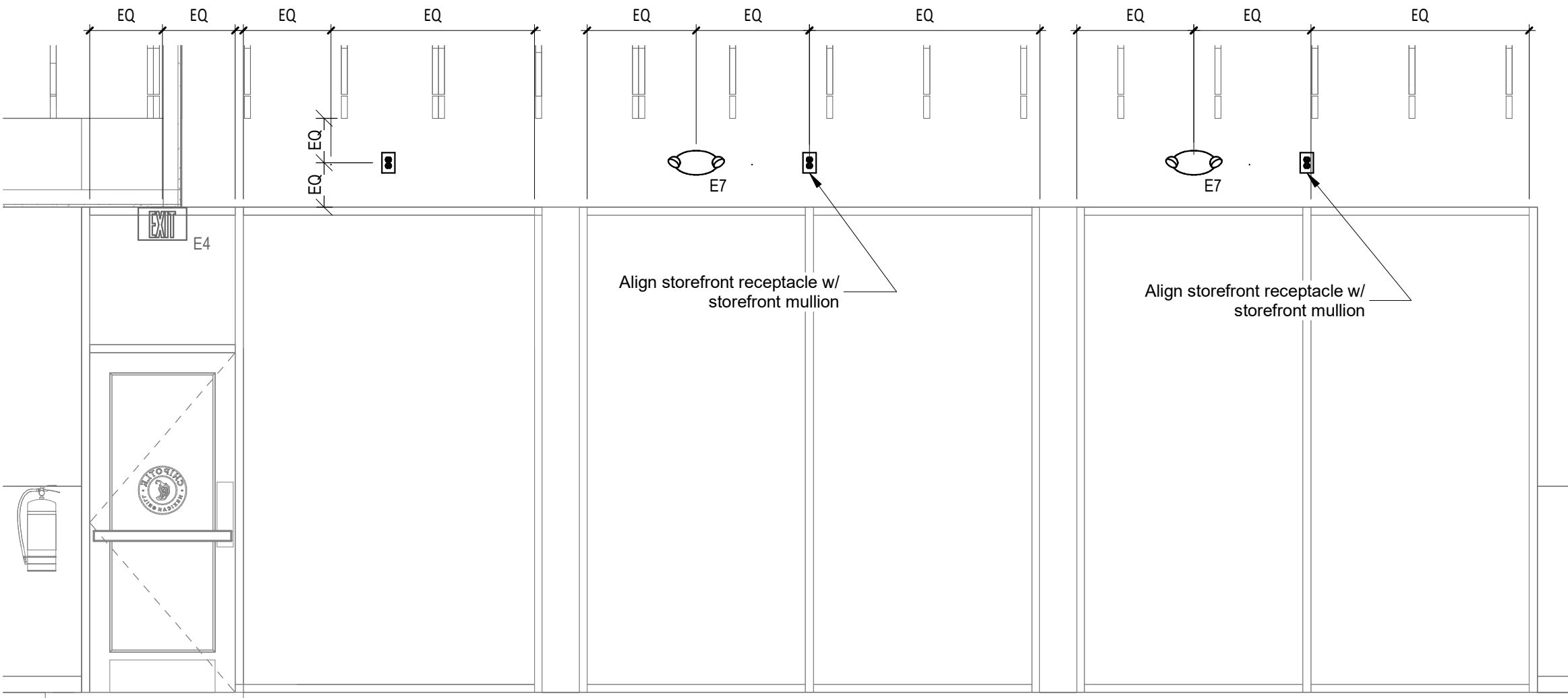
E705



3 Dining Room Electrical Elevation
E705 3/8" = 1'-0"



2 Dining Room Electrical Elevation
E705 3/8" = 1'-0"

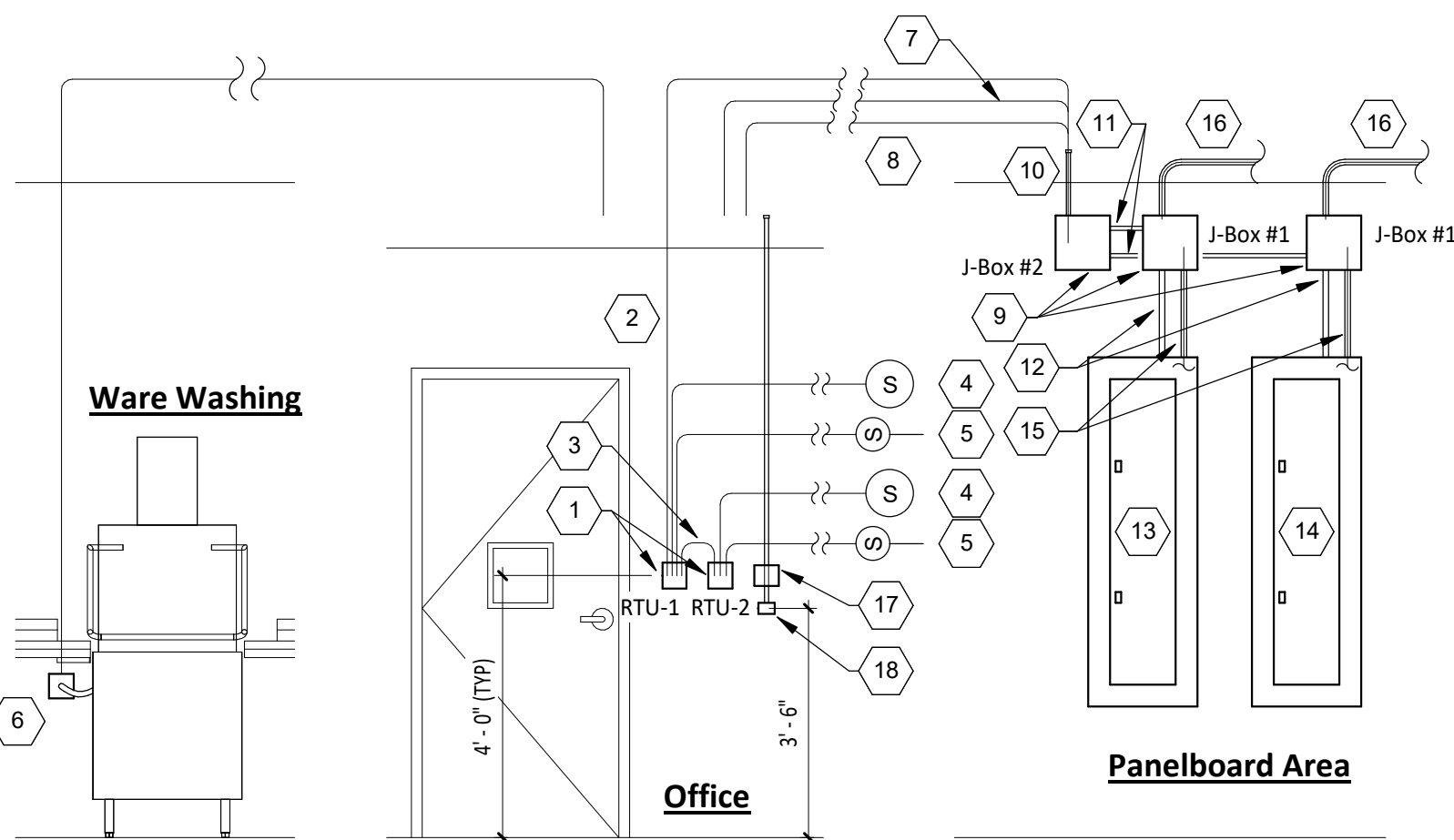


1 Dining Room Electrical Elevation
E705 3/8" = 1'-0"

- 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 junction box #2 above electrical panels. (Leave 16" of cable coiled up inside of junction 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 "TSAT 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-22 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 junction box #2 to office above lay-in ceiling and label "R5-485 Comms" on both ends of the cable. Leave 10' of slack cable above office ceiling and 16" of slack cable inside of junction box #2.
 8. Provide cable (18-24AWG shielded twisted pair) from junction 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 junction box #2.
 9. Provide surface mount 10" x 10" x 4" NEMA 1 enclosures above panelboard and 6" below ceiling.
 10. Provide 3/4" conduit with insulating bushing on end concealed in wall from junction box #2 to 6" above lay in ceiling.
 11. Provide 3/4" conduit with insulating bushing on end concealed in wall from junction box #2 to 6" above lay-in ceiling.
 12. Provide empty 1" conduit(s) from panelboard(s) to Junction 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 circuit available then also provide (1) 20/1-pole circuit breaker (for gridpoint transformer).
 14. If space has multiple electrical services then provide a "Junction 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, #12G] 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 Junction Box #1.
 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, #12G.] from the gridpoint circuit breaker in 3/4" conduit concealed in wall to Junction Box #1. Terminate in Junction Box #1 with 16" slack for final connection by TEMS.
 17. Gridpoint controller provided by TEMS.
 18. Provide horizontal single-gang junction box below future gridpoint controller location as shown. Provide 3/4" conduit with pull string and insulating bushing from junction box to 6" above office lay-in ceiling.

Note:

Arrangement shown is diagrammatic - see plans for actual device locations.

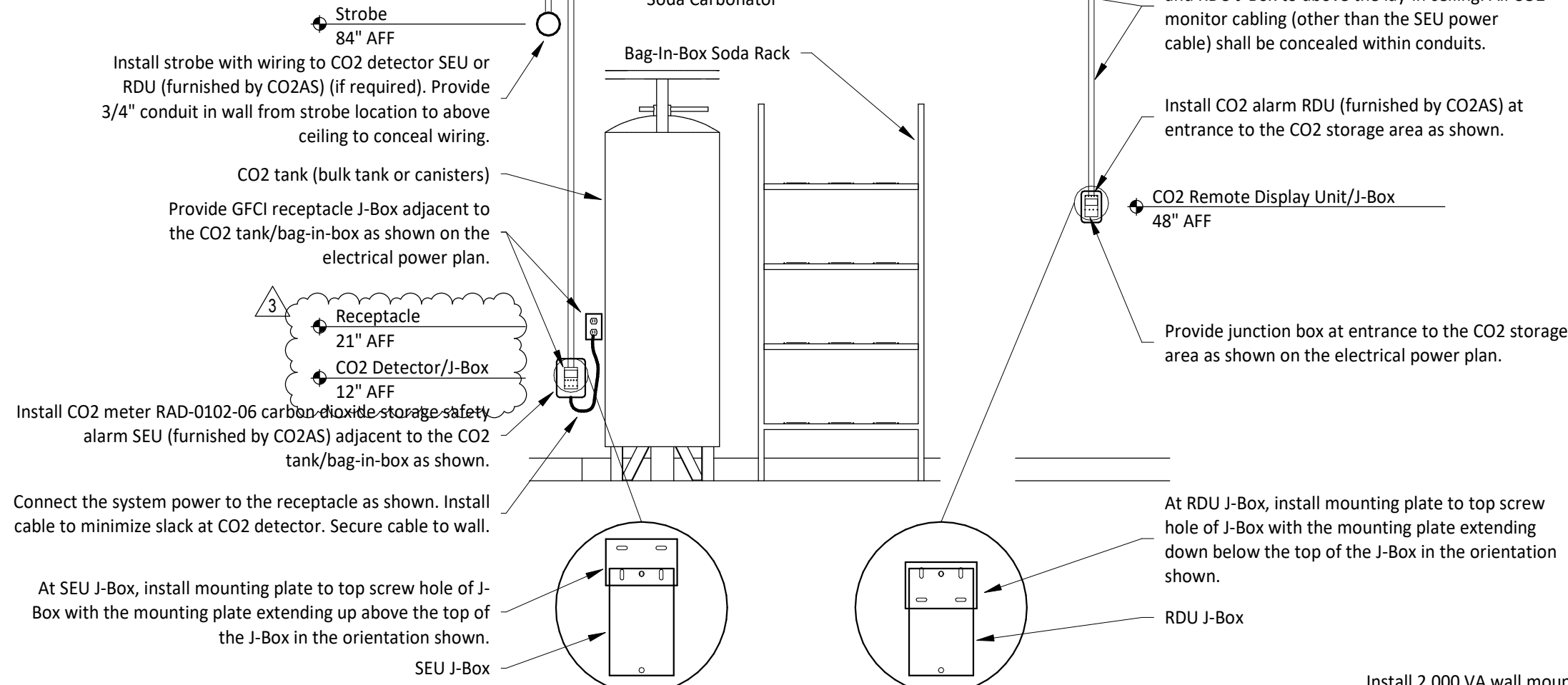


8 Gridpoint Wiring Diagram
E710 NOT TO SCALE

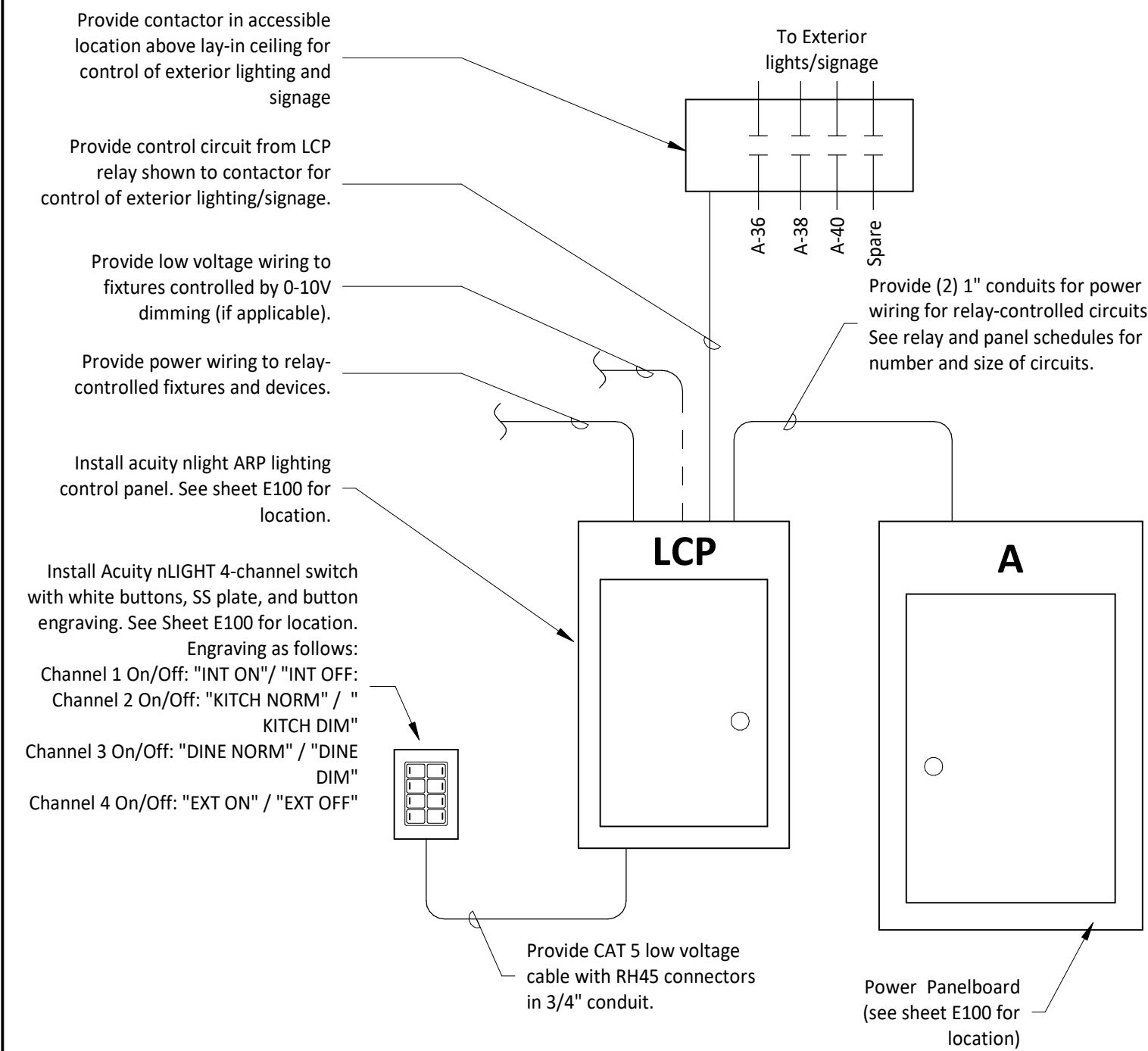
Sequence of Operations

- Emergency light fixtures, exit signs, locally-switched fixtures, and fixtures designated as night lights are not controlled through the relay panel.
- All times noted shall be local time and shall automatically adjust for daylight savings time, if applicable.
- 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.
- All dining room lighting circuits (R4, R5, R6) shall be energized one hour before sunset until one hour after closing and shall be de-energized at other times.
- 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.
- 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.
- Interior (Channel 1): when the interior override on or off button is pressed (channel 1) Relays R1, R2, R4, R6, and R7 will be energized or de-energized for a duration of one (1) hour.
- 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.
- 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.
- 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.
- Verify that time, time zone, and longitude/latitude are set correctly on LCP. Verify with store operations that the on/off times are compatible with the store operating hours prior to turnover.

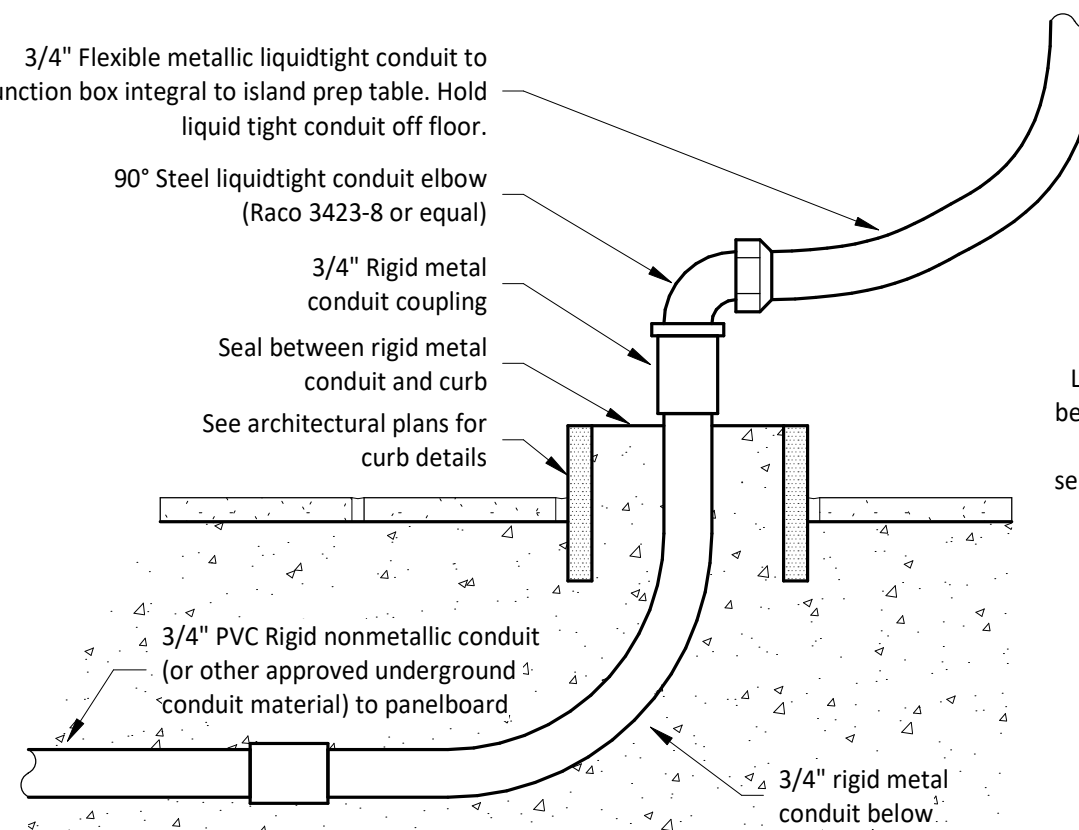
CO2 Alarm Options	
CO2 Detector	X
CO2 Remote Display Unit	X
Remote Strobe	
Relay	



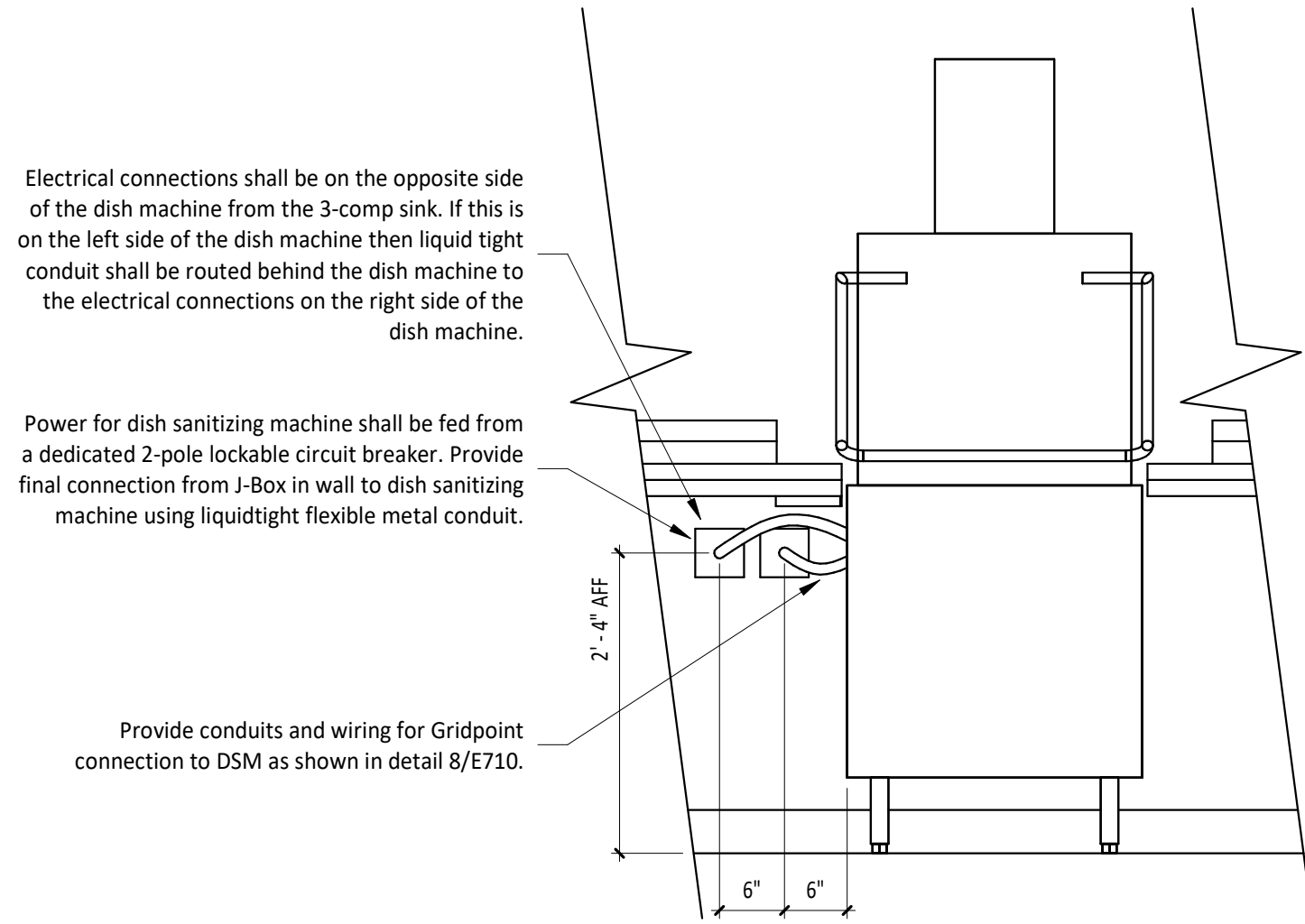
4 CO2 Alarm Detail
E710 NOT TO SCALE



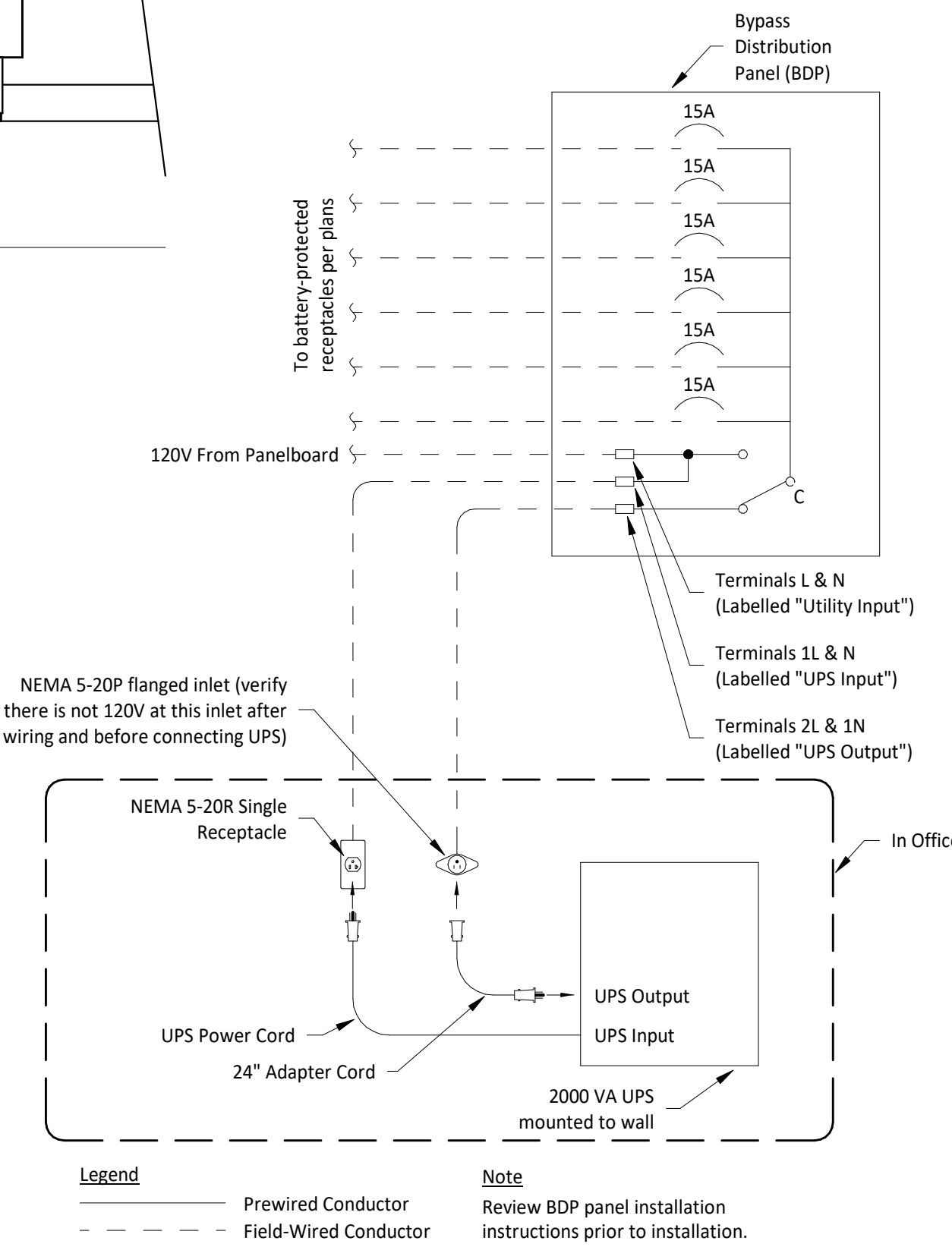
6 Lighting Control Diagram
E710 NOT TO SCALE



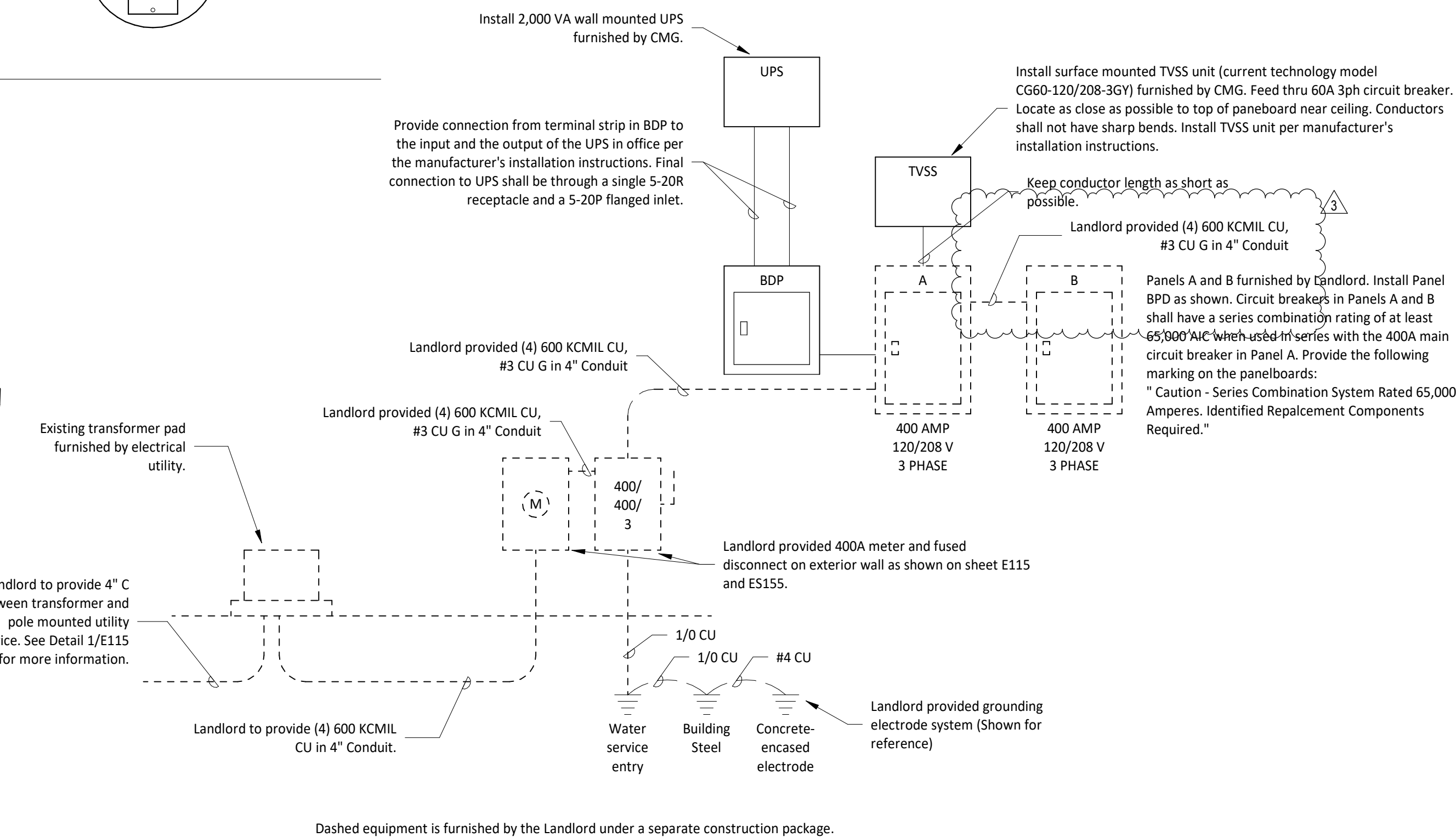
2 Pedestal Outlet Detail
E710 NOT TO SCALE



7 Dish Machine Sanitizer Electrical Detail
E710 NOT TO SCALE



3 Bypass Distribution Panel Wiring Diagram
E710 NOT TO SCALE



1 Main Distribution Diagram
E710 NOT TO SCALE

CONSULTANT:

AYRES
MECHANICAL, ELECTRICAL,
PLUMBING (MEP)
1700 West Highway 36 - Suite 700
Roseville, Minnesota 55113
(651) 639-9606 Fax (651) 639-9618
Project No. 81-0585

CLIENT:

CHIPOTLE
MEXICAN GRILL
CHIPOTLE MEXICAN GRILL, INC.
PO BOX 162966
COLUMBUS, OH 43216-2966
TELEPHONE: (614) 318-2682
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: 4915
"LAKE ZURICH"
422 S. Rand Road
Lake Zurich, IL 60047

SEAL:

For Construction

PROJECT NO. 2023-0056
DRAWN BY AA
CHECKED BY ALB

ISSUE RECORD:

01/10/2024	PERMIT SET
06/12/2024	BID SET
07/03/2024	CONSTRUCTION SET

REVISIONS:

3 07/03/2024	CONSTRUCTION SET
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TITLE:

Electrical Details

SHEET NUMBER:

E710