

PROJECT GENERAL NOTES

A. ARCHITECTURAL CONTENTS ARE BASED UPON PAPER DOCUMENTS OF THE ORIGINAL KFO RESTAURANT FROM THE LANDLORD ON 2024-08-01. WILKUS ARCHITECTS TAKES NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED.

B. IN ADDITION TO THE GENERAL NOTES LISTED HEREIN, THE LATEST EDITION OF AIA DOCUMENT A201 GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION SHALL APPLY.

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

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

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

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

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

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

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

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

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

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

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

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

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

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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

a. INSTALLATION OF CONDUIT AND PIPING IN OR BELOW THE FLOOR SLAB.

b. CONNECTIONS TO DOMESTIC WATER, SANITARY AND GREASE WASTE, SANITARY VENT AND SMOKE/FIRE ALARMS.

c. INSTALLATION OF PRIMARY DUCTWORK, VAV BOXES AND CONTROLS.

d. PROGRAMMING OF THE VAV BOX CONTROL AND SENSORS.

e. ANY WORK REQUIRED AT THE BUILDING SWITCHGEAR.

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

g. UPON SUBSTANTIAL COMPLETION OF WORK IN THE PREMISES, CLIENT AND THE CONTRACTOR MUST SCHEDULE A FINAL INSPECTION AND PREPARE A PUNCHLIST WHICH ENUMERATES ANY AREAS OF CONSTRUCTION, FIXTURING, LIGHTING OR LAMPING, MERCHANDISING, ETC., THAT ARE NOT IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. ANY STOREFRONT BARRICADE MAY NOT BE REMOVED UNTIL THE INSPECTION AND REQUIRED CORRECTIONS HAVE BEEN COMPLETED.

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

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

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

NN. GENERAL CONTRACTOR ASSUMES COMPLETE RESPONSIBILITY WHEN CLIENT FURNISHED ITEMS ARE REQUESTED AND RECEIVED BY THE GENERAL CONTRACTOR OR THEIR AGENTS.

OO. PROVIDE PROTECTION FOR EXISTING OR NEWLY INSTALLED SYSTEMS AND FINISHES FOR THE DURATION OF CONSTRUCTION.

PP. GENERAL CONTRACTOR TO INSTALL DUST PROOFING AND/OR RIGID BARRIERS AS APPROPRIATE TO DEFINE VARIOUS SEGMENTS. BARRIERS TO MAINTAIN EXISTING, MECHANICAL, AND FIRE/LIFE SAFETY REQUIREMENTS FOR BUILDING OCCUPANTS.

QQ. GENERAL CONTRACTOR IS RESPONSIBLE FOR INSPECTION OF PORTIONS OF WORK ALREADY PERFORMED TO DETERMINE THAT SUCH PORTIONS ARE IN PROPER CONDITION FOR RECEIVING ADJACENT WORK.

RR. 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 CONTAMINANT DEVELOPING 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. CONTACT BETWEEN DISSIMILAR METALS SHALL BE LIMITED. WHEN REQUIRED, THE CONTACT SHALL BE PROTECTED AS REQUIRED.

SS. 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.

UU. AT THE TIME OF PROJECT COMPLETION, THE PROJECT LIMITS ARE TO BE THOROUGHLY CLEANED PRIOR TO TURNOVER TO CLIENT.

SYMBOL LEGEND

1

SP101

1

EXTERIOR ELEVATION MARKER

1

A101

1

INTERIOR ELEVATION MARKER

1

SIM

1

SECTION MARKER

1

SIM

1

SECTION / DETAIL

X

KEYNOTE & WASHROOM ACCESSORIES NUMBER

W1

WALL TAG

1

VIEW NAME

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

LEVEL TARGET

0

COLUMN GRID LABEL

101

ROOM NAME

ROOM NAME & NUMBER

1

REVISION NUMBER

1

DOOR NUMBER

1

MISCELLANEOUS EQUIPMENT NUMBER

1

KITCHEN EQUIPMENT NUMBER

1

FURNITURE NUMBER

1

NORTH ARROW

1

DIMENSION TARGET

1

FINISH TAG

SITE MAP

W. BRIDGE ST.

ALLAN AVE

CHIPOTLE

N

LOCATION MAP

W. BRIDGE ST.

W. MAIN AVE

CHIPOTLE "OWATONNA"

N

SCOPE OF WORK

EXTERIOR IMPROVEMENTS AND TENANT INTERIOR REMODEL OF AN EXISTING RESTAURANT. WORK INCLUDES, BUT IS NOT LIMITED TO, INTERIOR AND EXTERIOR DEMOLITION, STOREFRONT, 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.

UTILITY COORDINATOR

NOTE TO GENERAL CONTRACTOR FOR ALL WATER, SEWER, NATURAL GAS, & ELECTRICITY UTILITIES CONTACT THE FOLLOWING

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SYMBOL LEGEND

1

SP101

1

EXTERIOR ELEVATION MARKER

1

A101

1

INTERIOR ELEVATION MARKER

1

SIM

1

SECTION MARKER

1

SIM

1

SECTION / DETAIL

X

KEYNOTE & WASHROOM ACCESSORIES NUMBER

W1

WALL TAG

1

VIEW NAME

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

LEVEL TARGET

0

COLUMN GRID LABEL

101

ROOM NAME

ROOM NAME & NUMBER

1

REVISION NUMBER

1

DOOR NUMBER

1

MISCELLANEOUS EQUIPMENT NUMBER

1

KITCHEN EQUIPMENT NUMBER

1

FURNITURE NUMBER

1

NORTH ARROW

1

DIMENSION TARGET

1

FINISH TAG

SITE MAP

W. BRIDGE ST.

ALLAN AVE

CHIPOTLE

N

LOCATION MAP

W. BRIDGE ST.

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CHIPOTLE "OWATONNA"

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SCOPE OF WORK

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P010	PLUMBING TITLE SHEET				
P100	PLUMBING SUPPLY PLANS				
P110	PLUMBING WASTE & VENT PLANS				
P600	PLUMBING SCHEDULES				
P700	PLUMBING DETAILS				
ELECTRICAL					
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				

SYMBOL LEGEND

1

SP101

1

EXTERIOR ELEVATION MARKER

1

A101

1

INTERIOR ELEVATION MARKER

1

SIM

1

SECTION MARKER

1

SIM

1

SECTION / DETAIL

X

KEYNOTE & WASHROOM ACCESSORIES NUMBER

W1

WALL TAG

1

VIEW NAME

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

LEVEL TARGET



- 1. LIFE SAFETY SYSTEMS SHALL BE DESIGNED PER APPLICABLE FIRE PREVENTION CODE, ORDINANCE OR LAW.
- 2. POST "NO PARKING - FIRE LANE" SIGNS ALONG APPROVED VEHICULAR ACCESS ROADS, COORDINATE LOCATIONS WITH LOCAL AUTHORITY HAVING JURISDICTION.
- 3. AN ALL WEATHER FIRE ACCESS ROAD SHALL BE IN PLACE BEFORE ANY COMBUSTIBLE MATERIALS ARE PLACED ON SITE. COORDINATE WITH LOCAL AUTHORITY HAVING JURISDICTION.
- 4. FIRE APPARATUS ACCESSWAYS SHALL BE UNOBSTRUCTED. ACCESS GATES SHALL BE APPROVED PRIOR TO INSTALLATION AND SHALL BE IN COMPLIANCE WITH O.S.H.A. GUIDELINES.
- 5. COMMERCIAL DUMPSTERS OR CONTAINERS WITH A CAPACITY OF ONE AND A HALF CUBIC YARDS OR GREATER SHALL NOT BE STORED OR PLACED WITHIN FIVE FEET OF COMBUSTIBLE MATERIALS OR OPENINGS. THESE AREAS ARE PROTECTED BY AN APPROVED AUTOMATIC FIRE SPRINKLER SYSTEM.
- 6. BUILDING ADDRESS NUMBERS SHALL BE PROVIDED AT THE FRONT OF THE TENANT SPACE AND SHALL BE VISIBLE AND LEGIBLE FROM THE PUBLIC RIGHT-OF-WAY AND A MINIMUM OF 6" HIGH. NUMBERS SHALL CONTRAST WITH THEIR BACKGROUND. ADDRESS NUMBERS SHALL BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR.
- 7. THE ADDRESS SHALL BE POSTED ON THE BUILDING WHERE IT IS CLEARLY VISIBLE FROM THE FIRE LANE. THE SUITE ADDRESS MUST BE POSTED IN NUMBERS THAT ARE A MINIMUM OF 4" TALL, ARE OF CONTRASTING COLOR TO THE BACKGROUND ON WHICH THEY ARE MOUNTED, AND WILL BE LOCATED SUCH THAT THEY ARE READILY VISIBLE DURING THE NIGHTTIME HOURS.
- 8. THE ADDRESS SHALL BE PERMANENTLY POSTED ON UTILITY SERVICE DISCONNECTS IN NUMBERS A MINIMUM OF 1" TALL AND ON THE SERVICE DOOR IN NUMBERS A MINIMUM OF 4" TALL.
- 9. A KNOX BOX IS TO BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. VERIFY WITH THE LOCAL AUTHORITY THIS REQUIREMENT AND COORDINATE LOCATION AS REQUIRED.
- 10. COMPLETE PLANS AND SPECIFICATIONS FOR THE FIRE-EXTINGUISHING SYSTEMS, ALARM SYSTEMS, AND OTHER SPECIAL TYPES OF AUTOMATIC FIRE-EXTINGUISHING SYSTEMS AND OTHER FIRE PROTECTION SYSTEMS AND JURISDICTIONS SHALL BE SUBMITTED TO AUTHORITIES HAVING JURISDICTION FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- 11. REQUIRED EGRESS DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY OTHER KNOWLEDGE OR EFFORT AND SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL. SPECIAL LOCKING DEVICES SHALL BE OF AN APPROVED TYPE.
- 12. EXITS SHALL BE ILLUMINATED AT ANY TIME THE BUILDING IS OCCUPIED WITH LIGHTS HAVING AN INTENSITY OF NOT LESS THAN 11.0 LUX AT FLOOR LEVEL, OR AS REQUIRED BY THE LOCAL CODES.
- 13. EXIT SIGNS TO BE PROVIDED AND INSTALLED AS REQUIRED BY APPLICABLE CODES, ORDINANCES AND LAWS.
- 14. PROVIDE APPROVED EXITING ILLUMINATION AND ILLUMINATED EXIT SIGNS WHICH ARE POWERED FROM SEPARATE CIRCUITS AND COMPLY WITH THE BUILDING CODE.
- 15. OCCUPANT LOAD SIGN WITH MINIMUM 1" LETTERS AND NUMBERS SHALL BE POSTED NEAR MAIN EXIT.
- 16. EXIT LIGHTING AND SIGNS SHALL HAVE 6" HIGH LETTERING IN ACCORDANCE WITH LOCAL CODES. PROVIDE LOW LEVEL EXIT SIGNS PER CODE REQUIREMENTS.
- 17. FIRE DEPARTMENT FINAL INSPECTION REQUIRED.
- 18. EXITS, EXIT SIGNS, HOSE CABINETS, AND FIRE EXTINGUISHER LOCATIONS, SHALL NOT BE CONCEALED BY CURTAINS, MIRRORS, OR OTHER DECORATIVE MATERIAL.
- 19. FIRE EXTINGUISHER NOTES:
 - a. PROVIDE AND INSTALL FIRE EXTINGUISHERS AS DIRECTED BY AUTHORITY HAVING JURISDICTION. EXTINGUISHERS IN BACK OF HOUSE AREAS MAY BE IN BRACKETS, PUBLIC AREAS ARE TO BE ENCLOSED IN RECESSED CABINETS, PAINTED TO MATCH ADJACENT WALL FINISH. PROVIDE "K" TYPE FIRE EXTINGUISHER IN KITCHEN AREAS, WITHIN 30'-0" OF TRAVEL FROM ANY POINT WITHIN THE KITCHEN OR FOOD PREPARATION AREAS. VERIFY INSTALLATION LOCATIONS WITH LOCAL FIRE MARSHAL PRIOR TO INSTALLATION.
 - b. 5 LB. "ABC" FIRE EXTINGUISHERS ARE REQUIRED WITHIN 75'-0" OF TRAVEL FROM ANY POINT WITHIN PUBLIC AREAS. THEY MUST BE MOUNTED CONSPICUOUSLY, PREFERABLE ALONG NORMAL TRAVEL PATHS AND EXIT WAYS. VERIFY INSTALLATION LOCATIONS WITH LOCAL FIRE MARSHAL PRIOR TO INSTALLATION.

[illegible]

CLIMATE ZONE/ COUNTY:	ZONE 6A/ STEELE COUNTY
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4 REVISIONS:

SHEET NUMBER

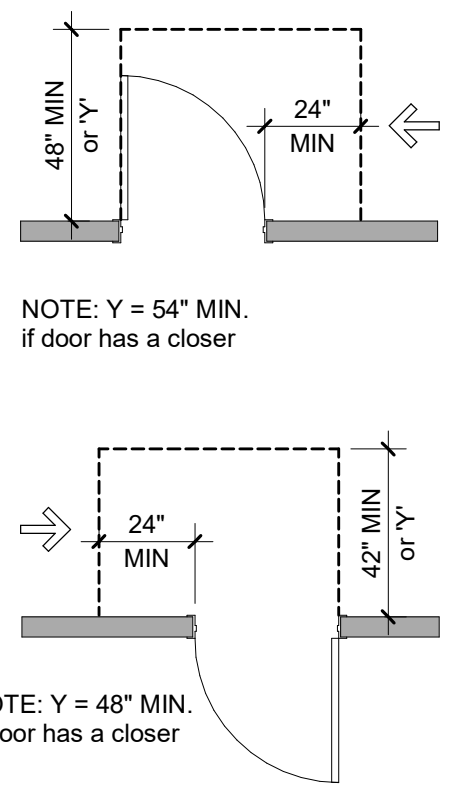
G001

2020 MINNESOTA ACCESSIBILITY CODE

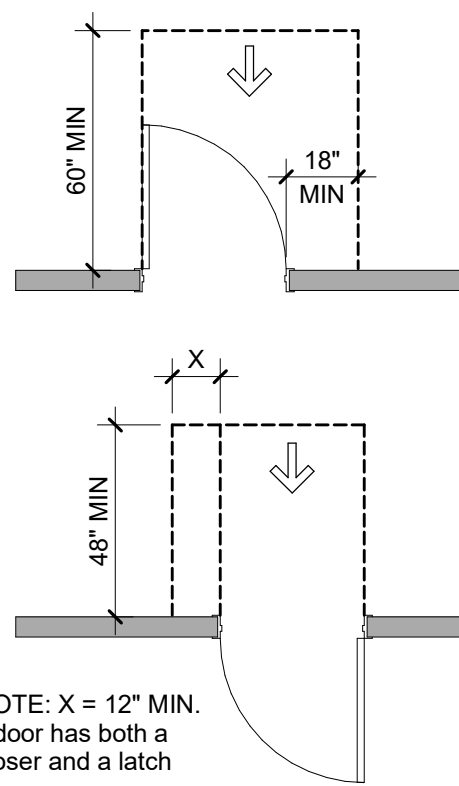
ALL INTERIOR CONSTRUCTION WITHIN THE SCOPE OF THIS PROJECT IS REQUIRED TO BE ACCESSIBLE AS SET FORTH IN THE '2020 MINNESOTA ACCESSIBILITY CODE, CHAPTER 1341. SECTIONS INDICATED ON THIS SHEET REFERENCE THE '2010 ADA STANDARDS FOR ACCESSIBLE DESIGN, UNLESS NOTED OTHERWISE.

DOORS

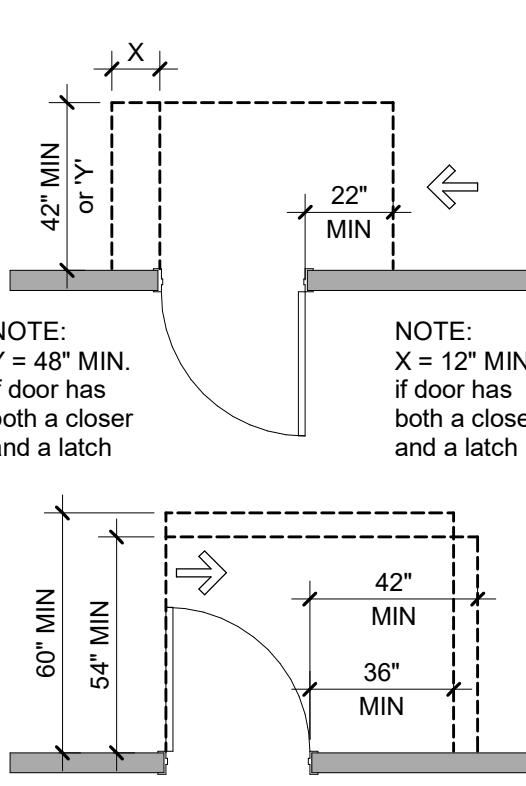
- Doors, doorways, and gates that are part of an accessible route shall comply with 404.
- Door openings shall provide a clear width of 32 inches, unless the opening is more than 24 inches deep, in which case the clear width of the opening shall be 36 inches. For swinging doors, the clear width shall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



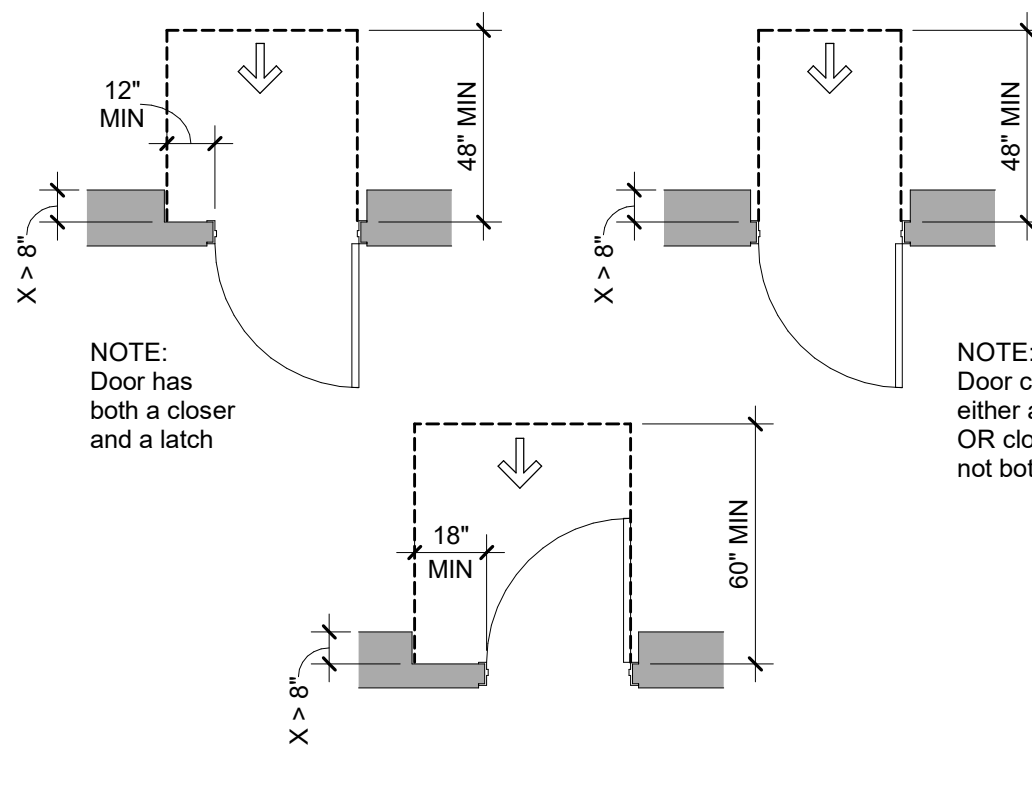
Latch-Side Approaches - Swinging Doors



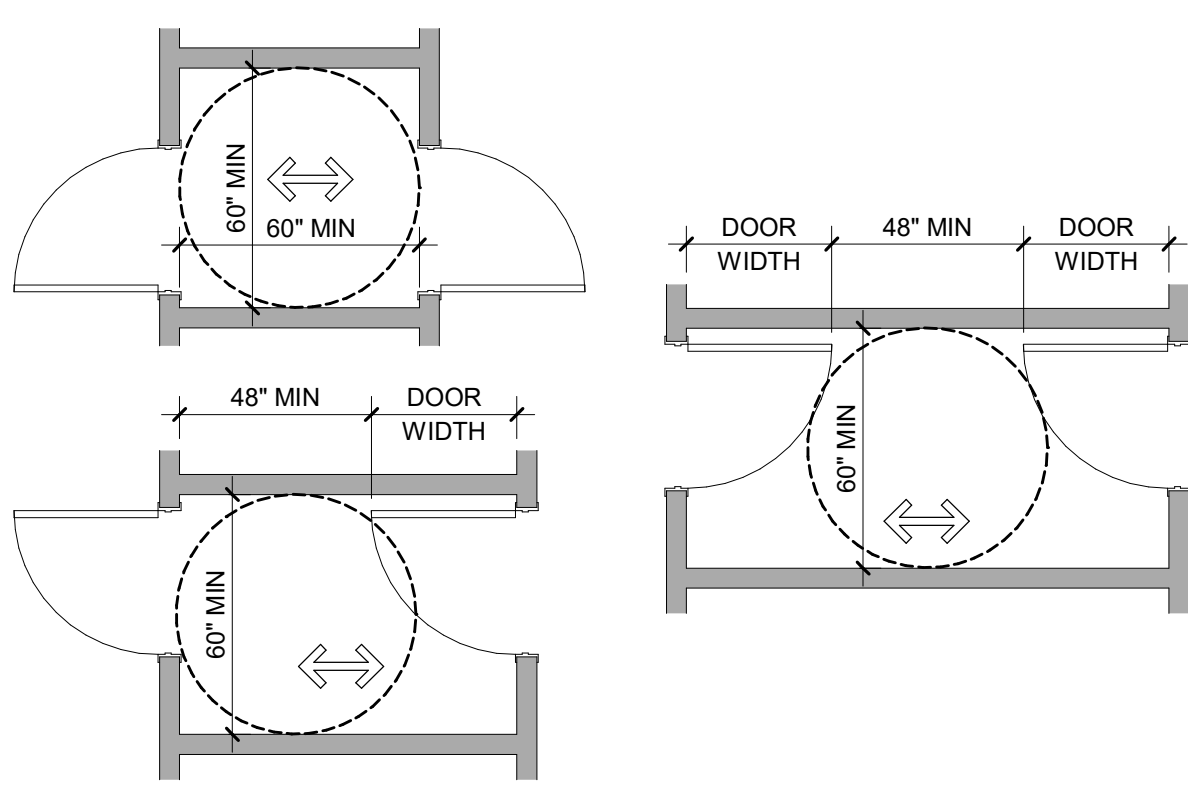
Front Approaches - Swinging Doors



Hinge-Side Approaches - Swinging Doors



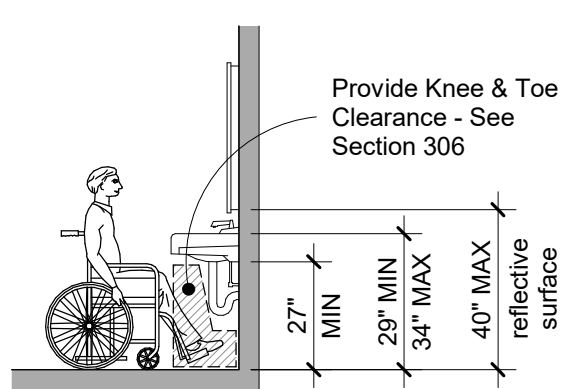
Recessed Doors and Gates



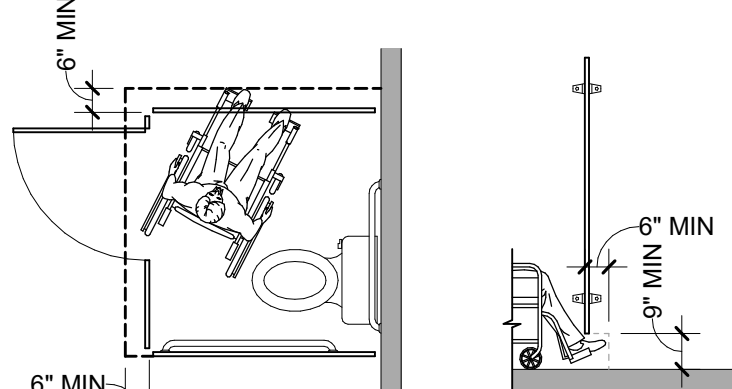
Doors in Series and Gates in Series

RESTROOMS & DRINKING FOUNTAINS

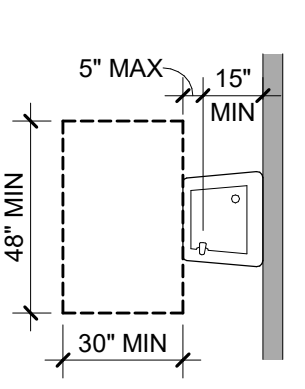
- Where toilet facilities are provided, they shall comply with MN Accessibility Code Section 604. Where toilet rooms are provided, each toilet room shall comply with 603.
- Where toilet compartments are provided, at least one toilet compartment shall comply with 604.8.1. In addition to the compartment required to comply with 604.8.1, at least one compartment shall comply with 604.8.2 where six or more toilet compartments are provided, or where the combination of urinals and water closets totals six or more fixtures.
- Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40 inches maximum above finish floor or ground. Mirrors not located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35 inches maximum above the finish floor or ground.
- Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches minimum and 48 inches maximum above the finish floor.
- Water closets shall comply with 604.2 through 604.8.
- Toilet paper dispensers shall comply with MN Accessibility Code Section 604.7. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.
- Grab bars shall be provided at water closets and shall comply with MN Accessibility Code Sections 604.5.
- Urinals shall comply with 605 and shall be either wall-hung or stall type urinals.
- Lavatories shall comply with 606. Faucets for lavatories shall comply with 606.4. Exposed pipes under lavatories shall be insulated or otherwise protected to prevent against contact.
- Drinking Fountains shall comply with sections 307 and 602.
- Clearance depth at an accessible water closet shall comply with MN Accessibility Code Section 604.3.2



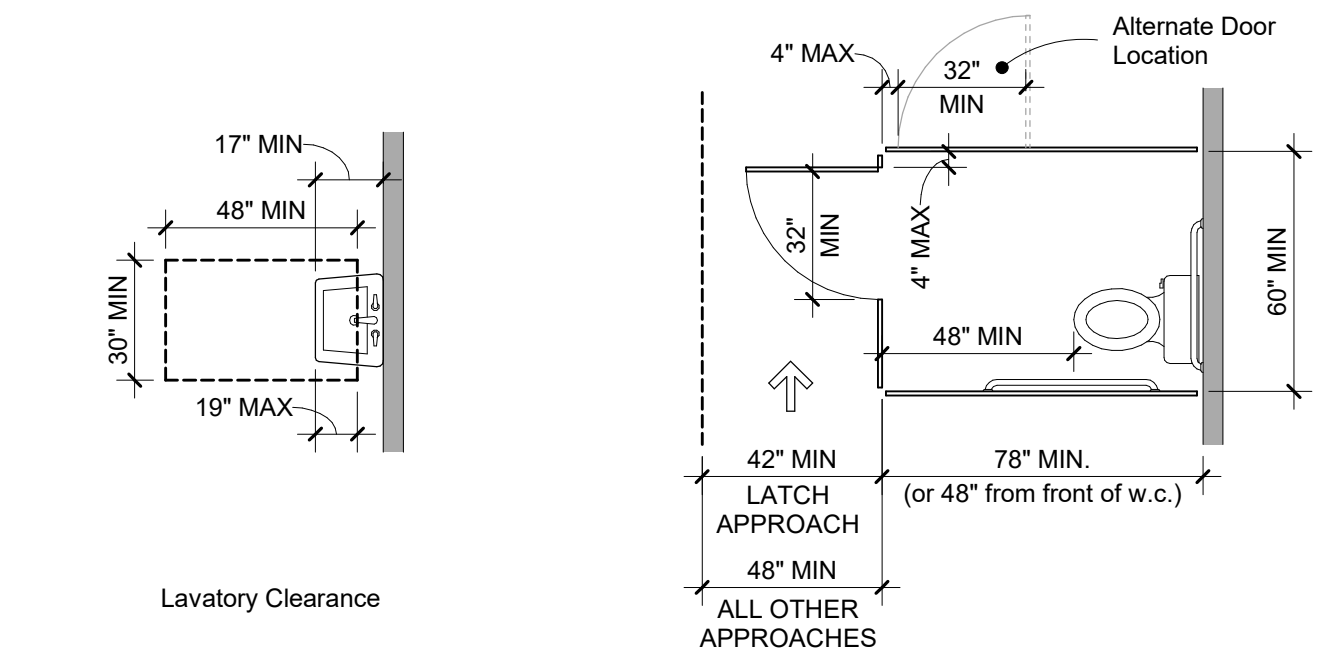
Clearances & Heights at Lavatory



Stall Compartment Toe Clearance

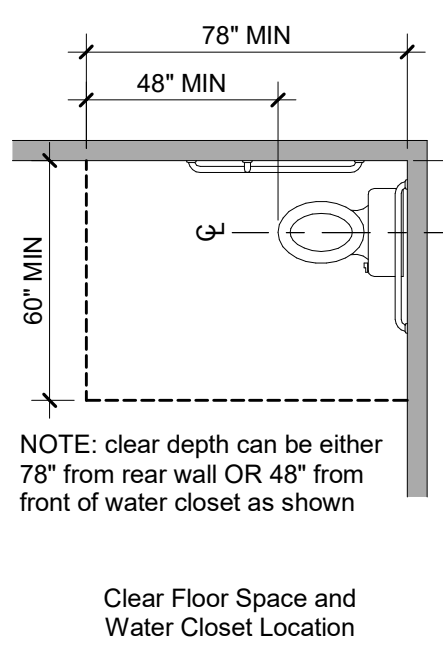


Drinking Fountain Clearance

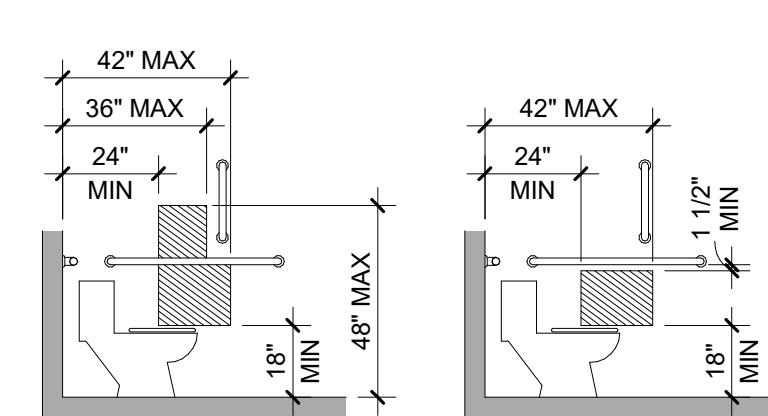


Lavatory Clearance

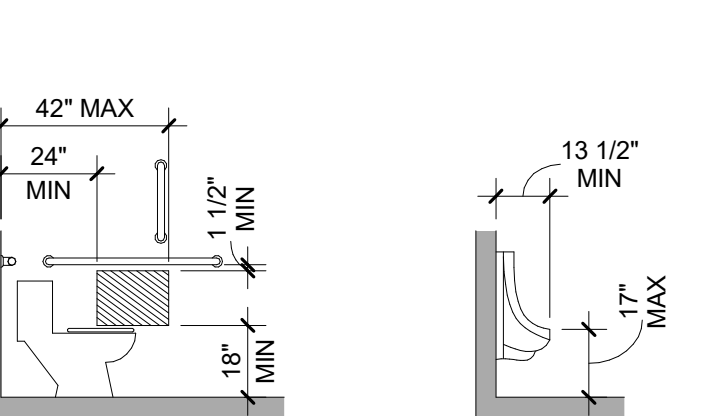
Standard Stall



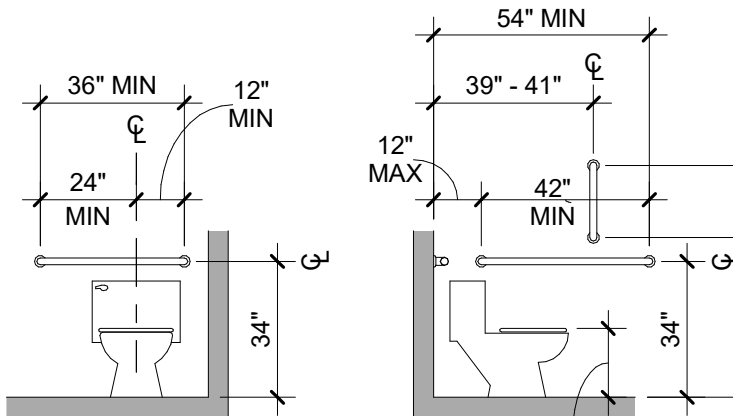
Clear Floor Space and Water Closet Location



Recessed Toilet Paper Dispenser Location



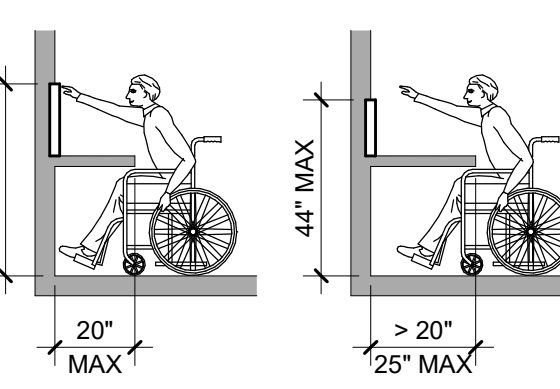
Height and Depth of Urinal



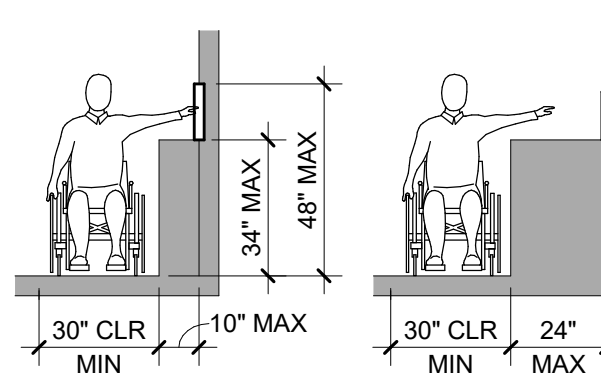
Grab Bars at Water Closets

REACH RANGES, CONTROLS & OPERATING MECHANISMS

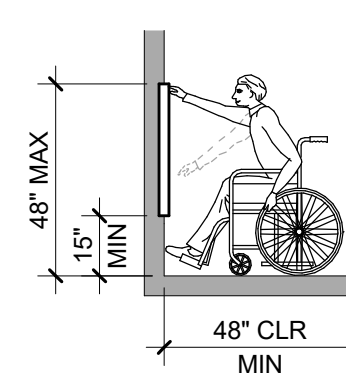
- Reach ranges shall comply with 308.
- Operable parts shall comply with 309 and shall be placed within one or more of the reach ranges specified in 308.
- In accordance with 309.4, operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist.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



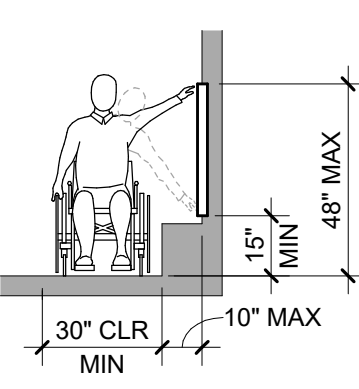
Obstructed Forward Reach



Obstructed Side Reach



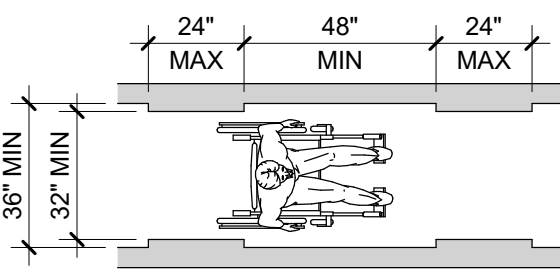
Unobstructed Forward Reach



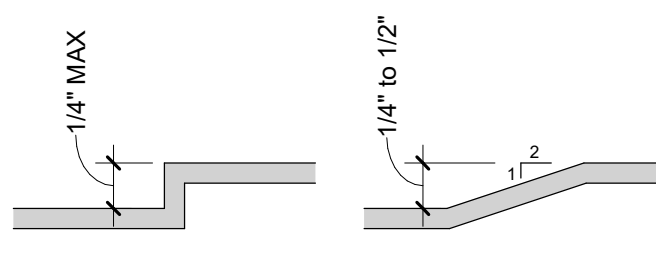
Unobstructed Side Reach

PATH OF TRAVEL

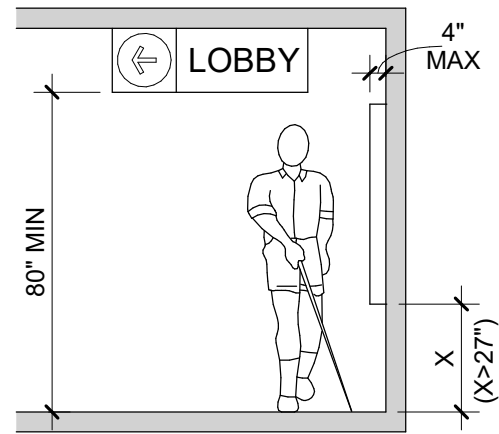
- In accordance with MN Accessibility Code Section 1104, at least one accessible route shall connect accessible building or facility entrances with all accessible spaces and elements within the building or facility, which are otherwise connected by a circulation path unless exempted by 1104.3.1, exceptions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



Clear Width of an Accessible Route



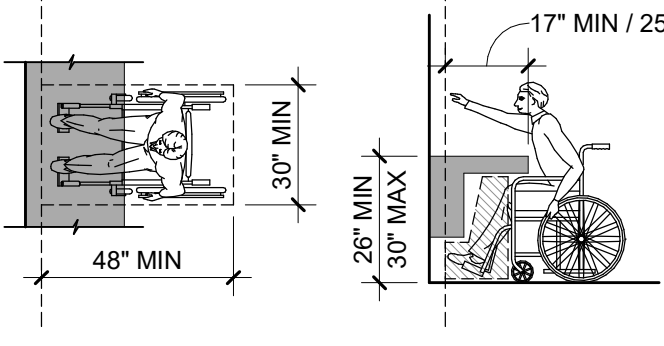
Changes in Level



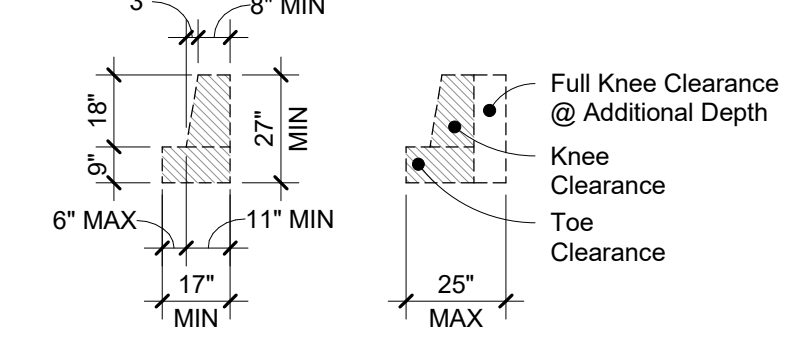
Walking Parallel To A Wall

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.
- Dining surfaces and work surfaces required to comply with 902 shall be dispersed throughout the space or facility containing dining surfaces and work surfaces.
- Dining surfaces and work surfaces shall comply with 902.2 and 903.3.



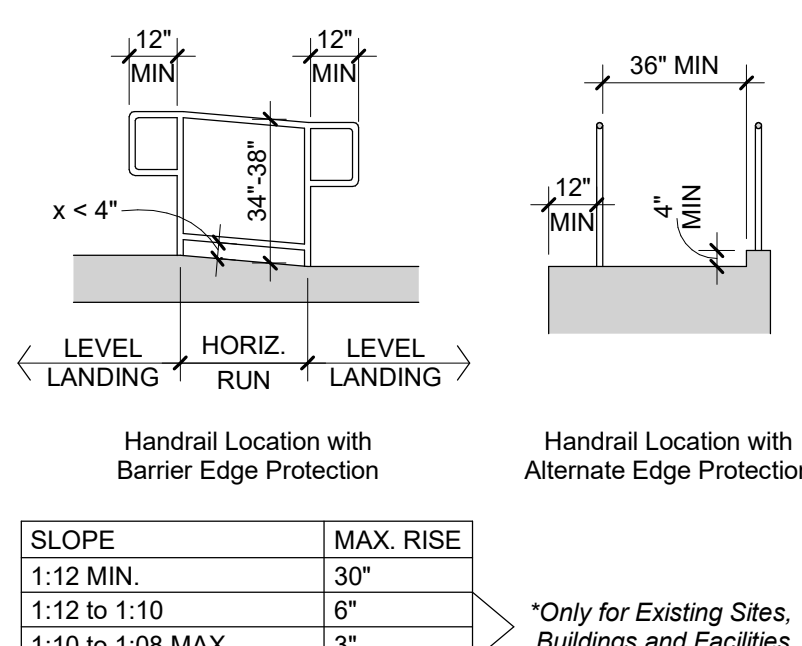
Toe and Knee Clearances



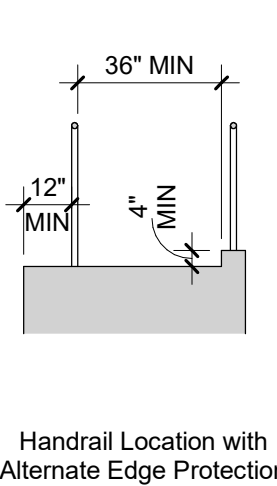
Full Knee Clearance @ Additional Depth

STAIRS AND RAMPS

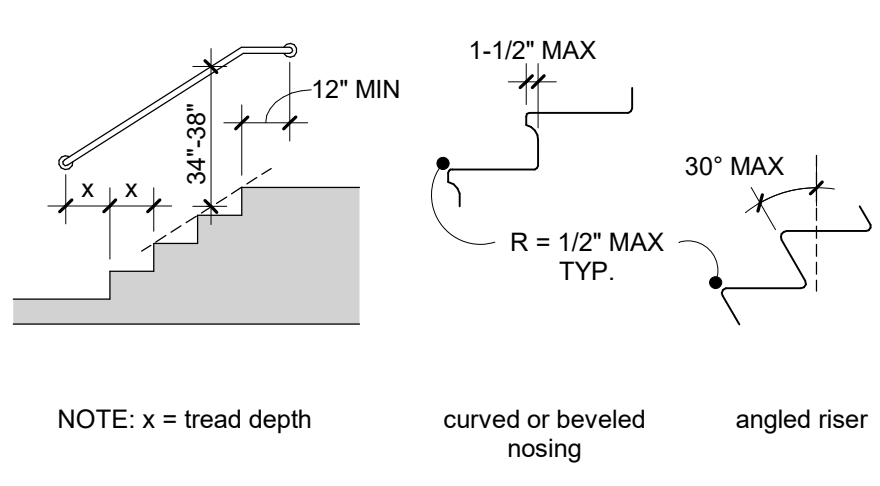
- Ramps on accessible routes shall comply with 405.
- Ramp runs shall have a running slope not steeper than 1:12 with a cross slope not steeper than 1:48.
- The clear width of a ramp run or (where handrails are provided) the clear width between handrails shall be 36 inches minimum.
- The rise for any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



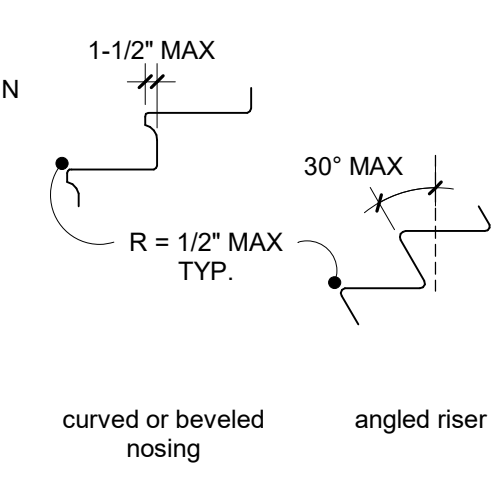
Handrail Location with Barrier Edge Protection



Handrail Location with Alternate Edge Protection



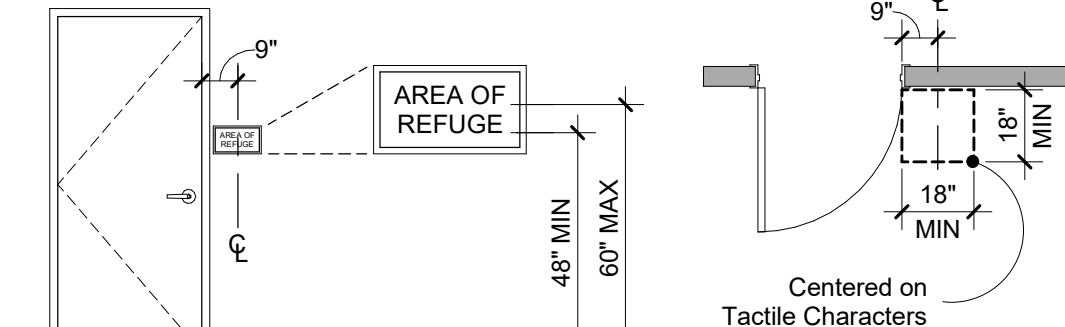
Handrail Location



Stair Nosings

SIGNAGE

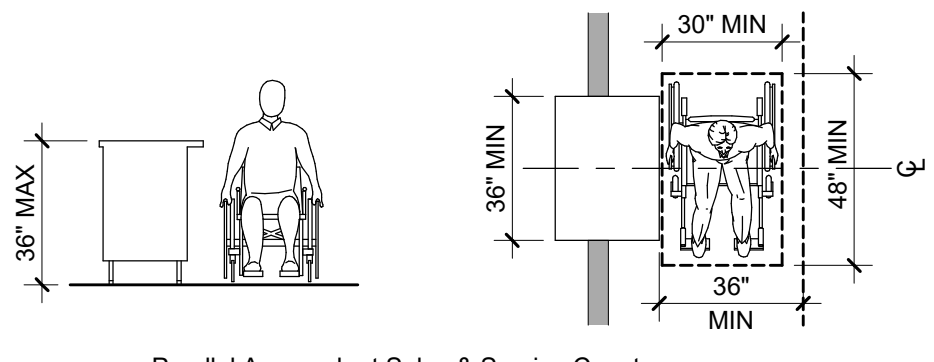
- Signs shall be provided in accordance with MN Accessibility Code Section 1110 and shall comply with 703.
- Signs identifying permanent rooms and spaces shall comply with 703.1, 703.2, and 703.5. Where pictograms are provided as designations of permanent rooms and spaces, the pictograms shall comply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



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



Parallel Approach at Sales & Service Counters

CONSULTANT:



CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
PO BOX 102566
COLUMBUS, OH 43210-2566
TELEPHONE: (614) 318-2652
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: #5558
"OWATONNA"
135 ALLAN AVE
OWATONNA, MN 55060

SEAL:

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

Matthew M. Wilkus LICENSE # 54678

DATE January 06, 2025

PROJECT NO. 2024-0266

DRAWN BY TRC

CHECKED BY DRL

ISSUE RECORD:

09/17/2024 PERMIT SET

10/24/2024 BID SET

12/02/2024 CONSTRUCTION SET

REVISIONS:

TITLE:

ACCESSIBILITY STANDARDS

SHEET NUMBER:

G002

2.1 Materials: A. Resinous Flooring: Manufacturer: aflooring 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 aflooring 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 aflooring 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. 2. Applicator shall be familiar with the specified requirements and the methods needed for proper performance of work of this section. Applicator shall have not less than three years successful experience installing sealed and polished floor finishes similar to those required for this project. 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.
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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 RetroPlated slab will be covered to prevent damage by the other trades during store completion.

2.1 Materials

A. Hardening/ Sealing Agent

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

2. RetroGuard Stain Inhibitor

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

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

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

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

SECTION 07512 - ROOFING SYSTEM REPAIR

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

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

2.1 Materials:

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

3.1 Installation:

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

SECTION 07540 - THERMOPLASTIC MEMBRANE (PVC) ROOFING

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

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

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

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

- D. Install roofing work only when weather conditions are in compliance with manufacturer's specific environmental requirements and conditions will permit work to be performed in accordance with manufacturer's recommendations and warranty requirements.
- Protect adjacent materials and surfaces from damage and soiling during roofing system installation.
 - Provide special protection on completed roofing work.
 - Protect paving and structure walls adjacent to hoists before starting work.
 - Do not overload the building structure with storage of materials or installation equipment on the substrate decking.

E. Warranty

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

2.1 Materials

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

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

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

3.1 Installation

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

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

SECTION 07600 - FLASHING AND SHEET METAL

General:

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

1.1 Pre-manufactured perimeter edge metal and accessories

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

1.2 General: Miscellaneous sheet metal

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

2.1 Materials:

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

3.1 Installation:

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

SECTION 076113 - SHEET METAL WALL PANELS

1.1 General:

- A. Standards:
- Furnish all labor, material, tools, equipment and services for all preformed fascia and wall panels as indicated, in accord with provisions of Contract Documents.
 - Completely coordinate work with work of all other trades.
 - Although such work is not specifically indicated, furnish and install all supplementary or miscellaneous items, appurtenances and devices incidental to or necessary for a sound, secure and complete installation.

B. Related work specified elsewhere:

- Structural steel: Section 05100
- Steel joists: Section 05200 or 05400
- Flashing and sheet metal: Section 07600

1.2 Quality Assurance:

- A. Applicable standards:
- SMACNA "Architectural Sheet Metal Manual" Sheet Metal and Air Conditioning Contractors National Association, Inc.
 - AISC: "Steel Construction Manual" American Institute of Steel Construction.
 - AISI: "Cold Form Steel Design Manual: American Iron and Steel Institute.
 - ASTM A792-83-AZ50: Specifications for steel sheet, aluminum-zinc alloy coated (galvanized) by the hot dip process, general requirements (Galvalume).
- B. Manufacturer's qualifications:
- Manufacturer has a minimum of three years experience in manufacturing metal wall systems of this nature. Panels specified in this section shall be produced in a factory environment (not job site roll formed) with fixed base roll forming equipment assuring the highest level of quality control. A letter from the manufacturer certifying compliance will accompany the product material submittals.

1.3 Product Delivery, Storage and Handling

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

2.1 Materials

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

3.1 Surface Conditions

A. Examination:

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

3.2 Installation

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

3.3 Cleaning, Protection

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

3.4 Field Painting

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

Section 07900 – JOINT SEALERS

1.1 General: Provide joint sealers as shown and specified.

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

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

2.1 Materials:

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

3.1 Installation:

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

4.1 Sealant Schedule:

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

B. Managers Office:

- Provide a continuous bead of white GE SCS1700 silicone at the following locations:
 - Ceiling grid to FRP wall panels.
 - Perimeter of manager's desk to FRP wall panels.
 - Hollow metal door frame to FRP wall panels.
 - Top and ends of coat hanger bracket to FRP base.
 - Base of FRP wall panels to quarry tile base.
 - Ceiling tile wire/pipe penetrations.
 - FRP inside corners to FRP wall panels. Both sides of corner piece.
 - Base of FRP wall panels to quarry tile.
- Provide a continuous bead of black or light bronze (use color of safe) GE SCS2000 silicone at the following locations:
 - Base of safe to floor.

C. Cooking Area:

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

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

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

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

D. Restrooms:

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

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

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

E. Dining area:

- Provide a continuous bead of white GE SCS1700 silicone at the following locations:
 - Wall tile to sheetrock walls.
 - Perimeter of aluminum storefront/windows/entrances to sheetrock walls.
 - Wainscot wall panels (Stonewood or other) to painted walls.
 - Diffuser/louvers perimeters to sheetrock walls.
 - Hollow metal door frames to painted walls - if needed.
 - Frame of service line counter to tile (joint to be caulked behind front face panels of counter).
 - Wall tile at serving line wall to POS counter.

- Provide a continuous bead of black GE SCS2000 silicone at the following locations:
 - Base of black rubber to floor (concrete or quarry tile) and gyp. bd. wall.
 - Wainscot (Stonewood or other) wall panels to sill of aluminum storefront/ windows.
 - Vertical joints of wainscot (Stonewood or other) wall panels to frames/painted walls/tile (ONLY if joint is uneven or plywood is showing).
 - Stonewood panels at serve line.

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

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

F. Utensil Counter:

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

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

G. Fire Rated Walls:

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

H. Exterior Joints:

- Provide a continuous bead of Tremco Dymeric limestone urethane sealant at the following locations:
 - Sidewalk/concrete expansion joints.
- Provide a continuous bead of Dow 795 silicone or Tremco Dymeric 240 FC at the following locations:
 - Hollow metal door frames.
 - EIFS to abutting services.
 - Penetrations in EIFS.
 - Face brick or block control joints.
 - Perimeter of Aluminum Storefronts.

*Colors to be determined per store to match adjacent material colors. Verify with Chipotle Construction Manager and Architect.

 - For "Fog" EIFS use Tremco - "Natural White"
 - For "Knight's Armor" EIFS use Sonneborn - "Charcoal Gray" #276-U
 - For white brick use Tremco - "China White"
- Provide a continuous bead of aluminum GE SCS1009 silicone at the following location:
 - CO2 fill port stainless box.
 - Faucet for hose. (Please note: color to be determined per store. Verify with Chipotle Construction Manager and Architect).

CONSULTANT:



CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182966
COLUMBUS, OH 43218-2566
TELEPHONE: (614) 318-2492
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: #5558

"OWATONNA"
135 ALLAN AVE
OWATONNA, MN 55060

SEAL:

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

Matthew M. Wilkus LICENSE # 54678
Matthew M. Wilkus

DATE January 06, 2025

PROJECT NO. 2024-0266

DRAWN BY TRC

CHECKED BY DRL

ISSUE RECORD:

09/17/2024	PERMIT SET
10/24/2024	BID SET
12/02/2024	CONSTRUCTION SET

REVISIONS:

TITLE:

ARCHITECTURAL
SPECIFICATIONS

SHEET NUMBER:

G013

DIVISION 8 - DOORS AND WINDOWS		1.5 Submittals:	2.4 Glazing Systems:	2.12 Formed Metal Fabrications - Sheet Metal
SECTION 08110 - STEEL DOORS AND FRAMES				
1.1 General: Tenant to provide steel doors and frames as shown and specified.		A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, hardware, finishes, and installation instructions for each type of aluminum frame storefront system and storefront entrance doors indicated.	A. Glazing: As specified in Section 08800 - Glazing.	A. Closures, Trim, and Fill Panels: 1. Form Closures from type and thickness of metal indicated. 2. Conceal fasteners when possible. 3. Drill and tap holes for securing to other surfaces. 4. Provide gaskets where indicated or needed for continuous seal at adjacent surfaces. 5. Miter or cope at corners and reinforce with bent metal plate. Form tight joints.
A. Standards: Materials and construction shall conform to the following: 1. ANSI A250.8-2009 "Specifications for Standard Steel Doors and Frames." 2. ANSI A250.11-01 "Erection Instructions for Steel Frames." 3. SDI 122-99 " Installation for Standard Steel doors and Frames.		B. Shop Drawings: Include plans, elevations, sections, details, hardware, and attachments to work, operational clearances and installation details.	B. Glazing Gaskets: Manufacturer's standard compression types; replaceable, extruded EPDM rubber.	
B. Manufacturer: A member of the Steel Door Institute (SDI).		C. Samples for Initial Selection: For units with factory-applied color finishes including samples of hardware and accessories involving color section.	C. Spacers and Setting Blocks: Manufacturer's standard elastomeric type.	2.13 Materials
2.1 Materials:		1.6 Quality Assurance	E. Glazing Sealants: For structural-sealant-glazed systems, as recommended by manufacturer for joint type, and as follows: 1. Structural Sealant: ASTM C 1184, single-component neutral-curing silicone formulation that is compatible with system components with which it comes in contact, specifically formulated and tested for use as structural sealant and approved by a structural-sealant manufacturer for use in aluminum-framed systems indicated. a. Color: Black 2. Weatherseal Sealant: ASTM C 920 for Type 5, Grade NS, Class 25, Uses NT, G, A, and O; single-component neutral-curing formulation that is compatible with structural sealant and other system components with which it comes in contact; recommended by structural-sealant, weatherseal-sealant, and aluminum-framed-system manufacturers for this use. a. Color: Matching structural sealant.	A. General: Provide sheet metal without pitting, seam marks, roller marks, stains, discolorations, or other imperfections exposed to view on finished units. B. Galvanized Steel Sheet: ASTM A653/A653M, G90 (Z275) coating. 14 gauge min. thick base material. C. Anchors, Clips, and Accessories: Use one of the following: 1. Stainless steel complying with ASTM A276/A276M, ASTM A480/A480M, or ASTM A666. 2. Steel complying with ASTM A36/A36M and hot-dipped galvanized to ASTM A153/A153M. 3. Steel complying with ASTM A36/A36M and hot-dipped galvanized to ASTM A123/A123M Coating Grade 35 4. Interior locations: Carbon steel; zinc coated in accordance with ASTM B633 or ASTM F1941/F1941M, Class Fe/Zn 5. 5. Exterior Locations or in contact with Stainless Steel: a. Bolts: Stainless steel; ASTM F593, Group 1 (A1) b. Nuts: Stainless steel; ASTM F594. 6. Structural Anchors: Provide anchors where work is indicated to comply with design loads. a. Type: Provide chemical or torque controlled expansion anchors. b. Capacity: When tested according to ASTM E488/E488M, four times the load imposed when installed in concrete. 7. Nonstructural Anchors: Provide powder-actuated fasteners where work is not indicated to comply wit design loads. Provide size and number required for load, installation, and as recommended by manufacturer, unless indicated otherwise. D. Fasteners, General: Same basic metal and alloy as formed metal sheet unless indicated otherwise. Do not use metals incompatible with the materials joined. E. Gaskets: As required to seal joints in decorative formed metal and remain airtight; as recommended in writing by decorative formed metal manufacturer.
2. Exterior: Extra heavy-duty Level 3, physical performance A, Model 2 seamless construction, ASTM A1008, 16 gage cold-rolled steel face sheets; tops and bottoms closed with flush galvanized steel caps, manufacturer's standard plastic foam insulating core.		C. Source Limitations: Obtain aluminum framed storefront system and storefront entrance doors through one source from a single manufacturer.	2.5 Entrance Door Systems:	2.14 Finishes
B. Steel Frames: ASTM A1008, 16 gage cold-rolled steel. 1. Provide combination buck, jamb and trim type frames for 1-3/4" thick doors, unless otherwise indicated. 2. Interior and exterior frames: Set-up welded type with mitered corners, reinforced, fully seam welded with exposed welds ground smooth.		D. Product Options: Drawings indicate size, profiles, and dimensional requirements of aluminum framed storefront system and are based on the specific system indicated. Do not modify size and dimensional requirements. 1. Do not modify intended aesthetic effects, as judged solely by Architect, except with Architect's approval. If modifications are proposed, submit comprehensive explanatory data to Architect for review.	A. Entrance Door Hardware: As specified in Section 08710 Door Hardware.	A. Finishes, General: Comply with NAAMM AMP 500-06 1. Complete mechanical finishes before fabrication. After fabrication, finish joints, bends, abrasions and surface blemishes to match sheet. 2. Protect mechanical finishes on exposed surfaces from damage. 3. Apply organic and anodic finishes to formed metal after fabrication unless indicated otherwise. 4. Appearance: Limit variations in appearance of adjacent to one-half the range represented in approved samples. noticeable variations in the same piece are not acceptable. Install components in the range of approved samples to minimize contrast. B. Galvanized Steel Finishes: 1. Repair Galvanized Surfaces: Clean welds and abraded areas and repair galvanizing to comply with ASTM A780/A780M 2. Color: As shown on the drawings. 3. Factory Prime: Apply shop primer to prepared surfaces of items where field painting after installation indicated, unless indicated otherwise. Comply with requirements in SSPC-PA1 4. High Performance Organic Coatings: AAMA 2604; multiple coats, thermally cured fluoropolymer system.
C. Door and frame fabrication: 1. Provide cutouts for mortised hardware, accurately located and made to fit hardware. Provide closer reinforcement for all doors with surface mounted door closers. 2. Punch frames and factory install rubber door silencers. 3. Provide minimum three anchors of suitable design for each jamb. 4. Provide floor clip on bottom of each jamb. Provide angle spreaders at bottom of each set-up frame.		1.7 Project Conditions:	2.6 Accessory Materials:	
D. Shop painting: Clean and paint exposed surfaces of steel door and frame units. Apply one baked-on shop coat of rust-inhibitive prime paint in accordance with ANSI A250.10, unless doors and frames are used at the restrooms or as indicated on door hardware and finish schedule. Provide a uniformly finished surface ready to receive finish paint.		A. Field Measurements: Verify actual dimensions of a aluminum framed storefront openings by field measurements before fabrication and indicate field measurements on Shop Drawings.	A. Joint Sealants: For installation at perimeter of aluminum-framed systems, as specified in section 07900 - Joint Sealers	
3.1 Installation:		1.8 Warranty	2.7 Storefront Framing Fabrication:	
A. Install frames plumb, level, rigid, and in true alignment as recommended in ANSI A250.11.		A. Manufactures Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty. 1. Warranty Period: Two (2) years from Date of Substantial Completion of the project provided however that the Limited Warranty shall begin in no event later than six months from date of shipment by manufacturer.	A. Framing Members, General: Fabricate components that, when assembled, have the following characteristics: 1. Profiles that are sharp, straight, and free of defects or deformations. 2. Accurately fit joints; make joints flush, hairline and weatherproof. 3. Means to drain water passing joints, condensation within framing members, and moisture migrating within the system to exterior. 4. Physical and thermal isolation of glazing from framing members. 5. Accommodations for thermal and mechanical movements of glazing and framing to maintain required glazing edge clearances. 6. Provisions for field replacement of glazing. 7. Fasteners, anchors, and connection devices that are concealed from view to greatest extent possible. B. Mechanically Glazed Framing Members: Fabricate for flush glazing without projecting stops.	
B. Install doors plumb and in true alignment and fastened to achieve the maximum operational effectiveness and appearance as recommended in SDI 122.		2.1 Manufacturers:	C. Structural-Sealant-Glazed Framing Members: Include accommodations for using temporary support device to retain glazing in place while structural sealant cures.	
SECTION 084113 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS		A. Manufacturer: Kawneer Company Inc., Contact: Doug Hess, Phone: 317-771-9265; email:doug.hess@arconic.com	D. Storefront Framing: Fabricate components for assembly using manufacturers standard installation instructions.	
1.1 General: Provide aluminum entrances and storefronts as shown and specified.		1. Basis-of-Design Product Storefront Framing: a. Trifab 601T (thermal) Storefront System i. 2" x 6" System Dimensions ii. Glass: Exterior (Center-Set) b. Trifab 451T (thermal) Storefront System i. 2" x 4-1/2" System Dimensions ii. Glass: Exterior (Front-Set)	E. After fabrication, clearly mark components to identify their locations in Project according to Shop Drawings.	
1.2 Related Documents:		2. Basis-of-Design Product Storefront Entrances: a. The door stile and rail face dimensions of the 500-Wide Stile entrance door will be as follows or as indicated on Drawings: Door: 500; Vertical Stile: 5"; Top Rail: 5"; Bottom Rail: 10" b. Major portions of the door members to be 0.125" nominal in thickness and glazing molding to be 0.05" thick. c. Glazing gaskets shall be either EPDM elastomeric extrusions or a thermoplastic elastomer. d. Provide adjustable glass jacks to help center the glass in the door opening.	A. Fabricate aluminum-framed glass entrance doors in sizes indicated. Include a complete system for assembling components and anchoring doors.	
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this section.		3. Basis-of-Design Product Feature Exterior Slat Wall: a. Kawneer Tube #027881 (1" x 3"), capped at top and bottom i. Alternate Exterior Slat Wall only when approved by Arch PM and Chipotle DM. 1. Architectural Fabrication	B. Fabricate aluminum-framed glass doors that are reglazable without dismantling perimeter framing. 1. 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. 2. Accurately fit and secure joints and corners. Make joints hairline in appearance. 3. Prepare components with internal reinforcement for door hardware. 4. Arrange fasteners and attachments to conceal from view.	
B. Standards: Materials and construction shall conform to the following: 1. AAMA SFM-1-87 "Aluminum Storefront and Entrance Manual."		B. Alternate Storefront Systems only when approved by Arch PM and Chipotle DM.	C. Weather Stripping: Provide weather stripping locked into extruded grooves in door panels or frames as indicated on manufactures drawings and details.	
1.3 Summary:		1. YKK a. YES 60 TU Storefront System - 2" x 6" nominal dimension; Thermal b. YES 45 TU Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set 2. Oldcastle a. Series 6000XT Storefront System - 2" x 6" nominal dimension; Thermal b. Series 3000 Thermal MultiPlane Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set 3. US Aluminum a. Series FT601 - 2" x 6" nominal dimension; Thermal b. Series FT451 - 2" x 4-1/2" nominal dimension; Thermal; Front-Set 4. EFCO a. Series 406 (T) Storefront System - 2" x 6-1/2" nominal dimension; Thermal b. Series 403 (T) Storefront System - 2" x 4-1/2" nominal dimension; Thermal 5. Wausau a. TU24650 Storefront System - 2" x 6-1/2" nominal dimension; Thermal b. TU24000 Storefront System - 2" x 4-1/2" nominal dimension; Thermal	2.9 Aluminum Finishes:	
A. Section Includes: 1. Kawneer Architectural Aluminum Storefront Systems, including perimeter trims, stools, accessories, shims and anchors, and perimeter sealing of storefront units. a. Types of Kawneer Aluminum Storefront include: (1) Trifab 601T Storefront System - 2" x 6" nominal dimension; Thermal; Center-Set (2) Trifab VG 451T Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set 2. Kawneer Aluminum Entrances, glass and glazing, and components a. Types of Kawneer Aluminum Entrances include: (1) 500 Swing Door; Wide stile, 5" vertical face dimension, 1-3/4" depth, high traffic applications or as indicated on Drawings. 3. Kawneer Tube for Feature Exterior Slat Wall		2.2 Materials:	A. Finish designations prefixed by AA comply with the system established by the Aluminum Association for designating aluminum finishes.	
B. Alternate Storefront Systems only when approved by Arch PM and Chipotle DM.		A. Provide aluminum entrances and storefront matching the existing building aluminum entrances and storefronts, unless otherwise indicated.	B. Factory Finishing: 1. Kawneer Permafluor (70% PVDF), AAMA 2605, Fluoropolymer Coating (Color: Charcoal or as noted on Drawings) 2. Finishing for alternate storefront specifications to be verified by Arch PM and Chipotle DM a. YKK "Charcoal" UC99477, Superior Painted Finishes b. All others to be verified with samples and submittals to Arch PM	
a. YKK (1) YES 60 TU Storefront System - 2" x 6" nominal dimension; Thermal (2) YES 45 TU Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set b. Oldcastle (1) Series 6000XT Storefront System - 2" x 6" nominal dimension; Thermal (2) Series 3000 Thermal MultiPlane Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set c. US Aluminum (1) Series FT601 - 2" x 6" nominal dimension; Thermal (2) Series FT451 - 2" x 4-1/2" nominal dimension; Thermal; Front-Set d. EFCO (1) Series 406 (T) Storefront System - 2" x 6-1/2" nominal dimension; Thermal (2) Series 403 (T) Storefront System - 2" x 4-1/2" nominal dimension; Thermal e. Wausau (1) TU24650 Storefront System - 2" x 6-1/2" nominal dimension; Thermal (2) TU24000 Storefront System - 2" x 4-1/2" nominal dimension; Thermal		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. Weather Stripping: Provide weather stripping locked into extruded grooves in door panels or frames as indicated on manufactures drawings and details.	
3. Kawneer Tube for Feature Exterior Slat Wall		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.	2.10 Brake Metal Trim:	
4. Alternate Storefront Systems only when approved by Arch PM and Chipotle DM.		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.	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. 1. Show actual field measurements on shop drawings. 2. Differentiate between shop and field fabrication. 3. Indicate substrates and adjacent work with which the fabrications must be coordinated. 4. Include large-scale details of anchorages and connecting elements. 5. 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)	
1.4 Performance Requirements:		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.	2.11 Formed Metal Fabrications - General:	
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; 1. Design Wind Loads: Determine design wind loads applicable to the Project from basic wind speed indicated in miles per hour, according to ASCE 7, Section 6.5, "Method 2-Analytical Procedure," based on mean roof heights above grade indicated on Drawings. a. Basic Wind Speed (MPH): Determine to meet local codes listed on A000 b. Importance Factor: (1.00) c. Exposure Category (A, B, C, D): Determine to meet local codes listed on A000		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.	A. Shop assembly: Preassemble items to greatest extent possible. Minimize field splices and field assembly. Disassemble only as necessary for transportation and handling. Mark items clearly for assembly and installation.	
B. Storefront System Performance Requirements: 1. Wind loads: Provide storefront system; include anchorage, capable of withstanding inward and outward wind load design pressures meeting local codes listed on sheet A000. 2. Air Infiltration: a. Air Infiltration for storefront frame system: The test specimen shall be tested in accordance with ASTM E 283. Air infiltration rate shall not exceed 0.06 cfm/ft. sq. at a static air pressure differential of 6.24 psf. b. Air Infiltration for storefront entrances: For single acting offset pivot or butt hung entrances in the closed and locked position, the test specimen shall be tested in accordance with ASTM E 283 at a pressure differential of 6.24 psf (300 Pa) for single doors and 1.567 psf (75 PA) for pairs of doors. A single 3'0" x 70" entrance door and frame shall not exceed 0.50 cfm per square foot. A pair of 6'0" x 70" entrance doors and frame shall not exceed 1.0 cfm per square foot. 3. Water Resistance: The test specimen shall be tested in accordance with ASTM E 331. There shall be no leakage at a minimum static air pressure differential of 8 psf as defined in AAMA 501. 4. Uniform Load: A static air design load of 20 psf shall be applied in the positive and negative direction in accordance with ASTM E 330. There shall be no deflection in excess of 1/175 of the span of any framing member. At a structural test load equal to 1.5 times the specified design load, no glass breakage or permanent set in the framing members in excess of 0.2% of their clear spans shall occur. 5. Thermal Transmittance (U-factor): When tested to AAMA Specification 1503, the thermal transmittance (U-factor) shall be not more than: a. Glass to Exterior - 0.47 (low-e) 6. Condensation Resistance (CRF): When tested to AAMA Specification 1503, the condensation resistance factor shall not be less than: a. Glass to Exterior - 70 frame and 69 glass (low-e) 7. Sound Transmission Class (STC) and Outdoor-Indoor Transmission Class (OITC): When tested to AAMA Specification 1801 and in accordance with ASTM E1425 and ASTM E90, the STC and OITC Rating shall not be less than: a. Glass to Exterior - 38 (STC) and 31 (OITC)		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.	B. Coordination: Match dimensions and attachment of formed metal items to adjacent construction. Produce integrated assemblies. Closely fit joints; align edges and flat surfaces unless indicated otherwise.	
		2.3 Storefront Framing System:	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.	
		A. Thermal Barrier: Thermal Break shall be designed in accordance with AAMA TIR-A8 and tested in accordance with AAMA 505. 1. Kawneer IsoLock Thermal Break with a 1/4" separation consisting of a two-part chemically curing, high-density polyurethane, which is mechanically and adhesively joined to aluminum storefront sections.	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.	
		B. Brackets and Reinforcements: Manufacturer's standard high-strength aluminum with non-staining, nonferrous shims for aligning system components.	E. Anchors: Straps, plates and anchors as required to support and anchor items to adjacent construction.	
		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.	F. Supports: Miscellaneous framing, mounting, clips, sleeves, fasteners and accessories required for installation.	
		D. Perimeter Anchors: When steel anchors are used, provide insulation between steel material and aluminum material to prevent galvanic action.	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. 1. Ease exposed edges to small uniform radius. 2. Welded joints. a. Carbon Steel: Perform welding in accordance with AWS D1.1/D1.1M. b. Stainless Steel: Perform welding in accordance with AWS D1.6/D1.6M 3. Brass/Bronze Brazed Joints: a. Perform torch brazing in accordance with AWS C3.4M/C3.4 b. Perform induction brazing in accordance with AWS C3.5M/C3.5 c. Perform resistance brazing in accordance with AWS C3.9M/C3.9	
		E. Packing, Shipping, Handling and Unloading: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.	H. Performance requirements; 1. Thermal Movements: a. Allow for thermal movements in exterior metal fabrications due to temperature changes. Prevent bucking, opening of joints, overstressing of components, failure of connections, and other detrimental effects. b. Temperature Change Range: 120 degrees F (67 degrees C), ambient; 180 degrees F (100 degrees C), on material surfaces. 2. Corrosion: Prevent galvanic action and other forms of corrosion by isolating metals and other materials from direct contact with incompatible materials.	
		F. Storage and Protection: Store materials protected from exposure to harmful weather conditions. Handle storefront material and components to avoid damage. Protect storefront material against damage from elements, construction activities, and other hazards before, during and after storefront installation.		

CONSULTANT:



CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
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PROJECT INFORMATION:

STORE NO.: #5558
"OWATONNA"
135 ALLAN AVE
OWATONNA, MN 55060

SEAL:

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

Matthew M. Wilkus LICENSE # 54678
Matthew M. Wilkus

DATE January 06, 2025

PROJECT NO. 2024-0266

DRAWN BY TRC

CHECKED BY DRL

ISSUE RECORD:

09/17/2024	PERMIT SET
10/24/2024	BID SET
12/02/2024	CONSTRUCTION SET

REVISIONS:

TITLE:
ARCHITECTURAL
SPECIFICATIONS

SHEET NUMBER:

G014

2.2 In-Line Side Sliding Automatic Window and Air Curtain

- A. GC to use specification called out on storefornt details sheet and/or as directed by Tenant Arch PM.

• Quikserv Custom Automatic Side Sliding Window (Model: SST-4035E-CHIPOTLE): 45 -1/2"W x 41-3/4"H window with 17-3/4" tall transom and (2) sidelights at 29 1/4"W x 41-3/4"H; Complete Unit Size 104"W x 59-1/2"H

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

• ReadyAccess Automatic Side Sliding Window: 47 -1/2"W x 43-1/2"H window with 16" tall transom and (2) sidelights at 28 1/4"W x 59-1/2"H; Complete Unit Size 104"W x 59-1/2"H

- Service Opening: 19"W x 35"H
- Finish: Dark Bronze Anodized
- Glass: 3/4" Clear Tempered unit + Low E (Solarban 70XL) for fixed & moving panel, sidelights and transom
- Arch PM to verify if heated or ambient air curtain is required per Tenant assignment.
 - Heated Air Curtain: Model: AA300 (replaces transom)
 - Ambient Air Curtain: Model: AA100 (split transom)
- Refer to exterior elevations (A300s) for direction of opening for ordering.

B. Alternate California Code Option

- ReadyAccess: Window 47-1/2" W x 35-3/4"H with double-split transom for air curtain and 10" and (2) sidelights at 28-1/4"W x 59-1/2"H; Complete Unit Size 104"W x 59-1/2"H
 - Service Opening: 15-1/4"W x 28"H, limited to meet CA code.
 - Ambient Air Curtain, AA100, and relay switch kit included with the West Coast Window package.

- Quikserv Model: SS-4035-E-CHIPOTLE-CALI, same as above except as noted.
 - Service Opening: 28"W x 15-3/8"H, limited to meet CA code.
 - 'CHIPOTLE' package includes pre-wired ambient air curtain with relay to sync operation with window Model: QSK1025AA-BK. Air curtain mounts to transom.

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

- Quikserv Model: BP-7241E-IP-CHIPOTLE, Complete Unit Size: 72"W x 41"H.
 - Service Opening: 29-1/2"W x 27"H
 - Rough Opening: 72-1/2"W x 41-1/2"H
 - Glass: Impact Resistant Glass
 - 'CHIPOTLE' package includes ambient air curtain
 - Ambient Air Curtain: Model: QSK1025AA-BK, Part Number: 9345.
 - Do not mount directly to window, mount on wall above.
 - Miami-Dade NOA #18-0814.02

2.3 Electrical Requirements

- A. Quikserv Electrical Windows: 120V / 60 Hz, 20-amp branch circuit, single phase. Power supplied through base of window. Conforms to UL Standard 325 -- Certified to CAN/CSA C22.2 NO. 247. Confirm with Electrical Drawings.

- Heated Air Curtain for Custom Side Sliding Window (Model: SS-4035-E-CHIPOTLE)
 - Separate 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.
- Ambient Air Curtain for Custom Side Sliding Window (Model: SS-4035-E-CHIPOTLE) and Alternate California Code Option: Model: SS-4035-E-CHIPOTLE-CALI
 - Separate circuit not required. Window pre-wired to power and sync operation with air curtain.
- Ambient Air Curtain for Alternate Impact-Resistant and Florida Product Approved Option (Model: BP-7241E-IP-CHIPOTLE):
 - Connect to main control board on window to power and synchronize operation with opening and closing of window.

- B. ReadyAccess Electrical Windows: 115V / 60 Hz, 15-amp dedicated circuit required. Run power to header on fixed panel side.

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

3.1 Installation

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

SECTION 08710 - DOOR HARDWARE

- 1.1 General: Provide door hardware as shown and specified.

- A. Standards: Materials and installation shall conform to the following:
- ANSI A117.1-2009 Accessible and Usable Buildings and Facilities.
 - ANSI/BHMA A156 Series Builders Hardware

- B. Quality Assurance:
- Codes and standards: Provide hardware complying with local Building Code requirements and the Tenant's standards for keying and security systems.
 - Project scheduling: Performed by an Architectural Hardware Consultant (AHC).
 - Package each item of hardware and each lockset, complete with all screws, anchors, installation instructions and templates. Identify package indexing with corresponding item number of the hardware schedule.
 - After hardware schedule acceptance, provide necessary templates or physical hardware to required trades for cutting, reinforcing, or preparing their products to receive hardware. Furnish templates to metal door manufacturer's.

2.1 Materials:

- A. No substitutions allowed. Requirements for manufacturer, design, grade, function, finish, size and other distinctive qualities of each type of door hardware are indicated on the drawings.

- B. Review the keying system with the Tenant and provide the type required.

3.1 Installation

- A. Install each hardware item in strict accordance with manufacturer's installation instructions and recommendations. Securely fasten all attached parts. Fit faces of mortised parts snug and flush. Verify operating parts move freely and smoothly without binding or sticking, without excessive clearance.

- B. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as required for proper installation and operation. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors in accordance with industry standards.

- C. Mount hardware units at heights indicated in DHI "Recommended Locations for Builders Hardware", unless otherwise required to comply with requirements of governing codes and regulations. Conform to ANSI A117.1 and ADAGG guidelines for accessibility.

- Top Butts: 5 inches; top of butt from head of frame.
- Middle Butts: 3'-2", centerline from finish floor.
- Bottom Butts: 5 inches; finish floor to bottom of butt.
- Locks: centerline from finish floor per hardware schedule.
- Knobs: 3'-2", centerline from finish floor.
- Pulls: centerline from finish floor per hardware schedule.
- Pushes: centerline from finish floor per hardware schedule.

SECTION 08800 - GLAZING

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

- A. Standards: Materials and installation shall conform to the following:
- CPSC 16 CFR Part 1201 (1-91)"Safety Standard for Architectural Glazing Materials."
 - GANA "Glazing Manual - 1990."

B. Quality Assurance:

- Codes and standards: Provide type of glass and glazing products that comply with ANSI Z97.1 and testing requirements of 16 CFR Part 1201 for category II materials. Comply with all applicable codes, standards and regulations that control safety glazing materials and installation.
- System Performance: Provide glass and glazing that has been produced, fabricated and installed to withstand normal thermal movement, wind loading and, where applicable, impact loading, without failure including loss or breakage of glass, failure of glazing sealants or gaskets to remain watertight and airtight, deterioration of glass and glazing materials and other defects in the work.
- Installation: Performed only by experienced glaziers.

- C. Warranty:
- Insulating glass: Five years from date of installation against defects that materially obstruct vision through the glass or affect thermal and physical integrity.

2.1 Materials:

- A. Glass:
- Float Glass (FG): 1/4" thick clear float glass.
 - Tempered Glass (TG): 1/4" and 1/2" thick clear, tempered safety glass, free-of-tong marks.
 - Insulating Glass (IGL): 1" thick clear, low-e tempered sealed glass; 1/4" thick interior and exterior glass lites with 1/2" aluminum desicated dual sealed air space; with the following characteristics:
 - Low-emissivity coating on #2 surface.
 - Visible Light Transmittance: 64% - 70%
 - Visible Light Reflectance - Outdoors: 9%-11%
 - Solar Energy Transmittance: 32%-34%
 - Solar Energy Reflectance-Outdoors: 30%-34%
 - U-Value - Winter Night: 0.29
 - U-value - Summer days: 0.28
 - Solar Heat gain Coefficient: 0.25-0.39
 - Shading Coefficient: 0.43-0.45
 - Manufacturers/Products:
 - AGC/Comfort Ti-AC40, or similar to meet code
 - Sun Guard/SN-68, or similar to meet code
 - PPG/Solarban 60, or similar to meet code
 - Viracore/VE1-2M, or similar to meet code
 - Spandrel Glass (SG) 1/4" thick, Spandrel Ceramic Glass, (Color: GrayBlack or as noted on drawings) by Old Castle Building Envelope (419) 666-2000, Contact: Doug Dewar
 - Frosted Window Film, 3M Dusted Crystal Translucent Window Film. Apply on the interior side of glazing.

- B. Glazing Materials:
- Glazing Sealants: Provide elastomeric glazing sealants suitable for applications indicated; compatible with one another and with other materials they will contact, complying with ASTM C920.
 - Glazing Tape: Provide preformed, non-staining and non-migrating elastomeric tape, as recommended by tape and glass manufacturers for application indicated, complying with ASTM C 1281.
 - Glazing gaskets: Provide manufacturer's standard snap-on aluminum stops and neoprene, vinyl or EPDM glazing gaskets.
 - Provide setting blocks, spacers and edge blocks of material, size, and shape complying with referenced glazing standard, and compatible with surfaces contacted in installation.

- C. Fabrication: Factory fabricate and size all glass.

3.1 Installation

- A. Preparation:
- Field verify measurements and conditions of installation.
 - Examine all details. Provide proper fitting to details indicated.
 - Glazing channel dimensions shown are intended to provide for necessary bite on glass, minimum edge clearance and adequate glazing materials thickness, with reasonable tolerances. Adjust as required by job conditions at time of installation.

- B. Install glass and glazing in accordance with the GANA "Glazing Manual" and glass manufacturer's recommendations.
- Install insulating glass units to comply with recommendations by Sealed Insulating Glass Manufacturers Association (SIGMA).

- C. Install setting blocks of proper size at quarter points of sill rabbet. Provide spacers as required.

- D. Install glazing sealants, tapes and gaskets in accordance with manufacturer's recommendations. Set glass without springing and install securely to prevent rattling or breakage.

- E. Protect glass from breakage during remaining construction. Do not remove non-permanent labels until final acceptance.

DIVISION 9 -- FINISHES

SECTION 09260 - GYPSUM BOARD SYSTEMS

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

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

2.1 Materials:

- A. Manufacturer: United States Gypsum Co. (USG), (800) 874-4968, internet www.usg.com.

- B. Metal framing: Comply with ASTM C 754 and ASTM C 645 for materials and sizes.

- Partition metal framing:
 - Studs: Galvanized steel, C-shaped, sizes indicated, 20 gage "ST20"
 - Runners: Match studs, type recommended by stud manufacturer for floor and ceiling support of studs. Provide flexible ceiling runners for full height metal stud framed partitions continuous from floor to underside of structural members or deck above.

- C. Ceiling and Soffit metal framing/suspension systems:

- Small areas: Metal stud framing of appropriate size and gage for spans indicated.
- Large areas: Furring channel "Grillage" or "Direct Suspension System" designed for concealed support of gypsum board ceilings, of proper type for use indicated.
- Furring members: 20 gage, galvanized steel screw type, hat-shaped furring.

- 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.

- General use panels: Sheetrock Regular panels.
- Fire rated panels: Sheetrock Firecore Core panels.
- 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.

- Ceiling suspension/ support systems: Metal furring system/direct suspension or steel stud framing system.
- Wall and partition framing:
 - 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.
 - Terminate partition stud system 4" above ceilings, except where indicated to be extended to structural support or roof deck above. Brace tops of partition framing to structure or roof deck at maximum 4'-0" on center spacing.
 - Frame openings more than 2'-0" wide with two 20 gage studs at each jamb.
 - Coordinate the installation of supplementary blocking and nailers, provided under Section 06100 work, to support shelving, millwork, toilet accessories, and similar work that cannot be adequately supported by gypsum board alone.

- 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."

- Screw fasten all gypsum board panels.
- Metal Trim: Install metal corner beads at external corners of gypsum board work and metal trim wherever edge of gypsum board would be exposed. Use longest practical lengths.
- Control Joints: Locate and install control joints in accordance with USG Bulletin SA923 "Good Design Practice" recommendations.

C. Acoustical Treatment:

- Where sound-attenuation insulation is indicated, seal gypsum board construction at perimeters, control joints, junction boxes, openings and penetrations with a continuous bead of acoustical sealant including a bead at both faces of partitions.
- Install sound attenuation insulation at scheduled partitions and ceilings. Install insulation in single layer of required thickness. Extend full thickness over entire area to be insulated. Cut and fit tight around obstructions. Fill all voids.
- At openings and cutouts, fill open spaces between edges of gypsum board and fixtures, cabinets, ducts, and other flush or penetrating items, with continuous bead of acoustical sealant.
- Seal sides and backs of electrical boxes to completely close up openings and joints with a bead of acoustical treatment.

D. Finishing:

- Comply with manufacturer's instructions for mixing, handling, and application of materials. Apply treatment at joints both directions, at flanges of trim accessories, penetrations of gypsum board (electrical boxes, piping, and similar work), fastener heads, surface defects, and elsewhere as indicated. Apply in manner that will result in each of these items being concealed when applied decoration has been completed.
- Apply joint tape at joints between gypsum boards, except where trim accessories are indicated.
- Interior Exposed Gypsum Board Finish: Level 5 Finish.
 - Locations: Typical for all walls and ceilings, unless otherwise indicated
 - 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:
 - Embedding and First Coat: Setting-type joint or taping compound.
 - Fill (Second) Coat: Setting-type topping compound.
 - Fill (Third) Coat: Setting-type topping compound.
 - Finish (Fourth) Coat: Skim coat entire surface.
- Interior Concealed Gypsum Board: Level 3 Partial Finishing.
 - Finish concealed gypsum board construction that requires finishing same as exposed gypsum board construction, except the third coat and sanding can be omitted.

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

SECTION 092816 - GLASS-MAT FACED GYPSUM BACKING BOARDS

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

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

2.1 Materials:

- A. Manufacturer: Georgia-Pacific Gypsum LLC, (800) 225-6119, internet: www.bulldgip.com

- B. Fiberglass-Mat Faced Gypsum Backing Board: DensShield Fireguard Tile Backing Board complying with ASTM C1178, Type X, Square edges, 4" wide in maximum lengths available to minimize end joint conditions, 5/8" thick. Surfacing: Coated fiberglass mat on face, back and long edges.

- General use panels: 5/8" DensShield Fireguard Tile Backer, Georgia-Pacific Gypsum.

- C. Fasteners: Screws meeting ASTM C1002, with corrosion resistant treatment. Size and type per manufacturer's recommendations:
- Walls (Steel Frame): Bungie head, fine thread, sharp point rust resistant drywall screw
 - Walls (Walls Frame): Bungie head, coarse thread, sharp point rust resistant screw

- D. Metal Framing, Trim, joint treatment, adhesives, acoustical sealant, and sound attenuation insulation: Refer to Section 09260 Gypsum Board Systems

3.1 Installation

- A. Install DenShield at all tile walls excluding hood area as indicated on drawings.

- B. General: Install in accordance with ASTM C840, manufacturer's recommendations and TCA Handbook for Ceramic Tile Installation.

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

- C. Refer to Section 09260 Gypsum Board Systems for additional installation and sound treatment instructions

SECTION 093000 - PORCELAIN FLOOR TILE

- 1.1 General: Provide porcelain tile flooring as shown and specified.

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

1.2 Performance Requirements:

- A. Static Coefficient of Friction: Tile on walkway surfaces shall be provided with the following values as determined by testing in conformance with ASTM C 1028.
- Level Surfaces and Step Treads: Minimum of 0.6 (Wet).
 - Ramp Surfaces: Minimum of 0.8 (Wet).

1.3 Quality Assurance:

- A. Installer Qualifications: Company specializing in performing the work in this section with minimum two years' experience.

- B. Single Source Responsibility: Obtain each type and color of tile from a single source. Obtain each type and color of mortar, adhesive and grout from the same source.

1.4 Delivery, Storage, and Handling:

- A. Deliver and store products in manufacturer's unopened packaging until ready for installation.

- B. Protect adhesives and liquid additives from freezing or overheating in accordance with manufacturer's instructions.

- C. Store tile and setting materials on elevated platforms, under cover and in a dry location and protect from contamination, dampness, freezing or overheating.

1.5 Environmental Requirements:

- A. Do not install adhesives in an unventilated environment.

- B. Maintain ambient and substrate temperature of 50 degrees F (10 degrees C) during tiling and for a minimum of 7 days after completion.

1.6 Extra Materials:

- A. Provide for Owner's use a minimum of 2 percent of the primary sizes and colors of tile specified, boxed and clearly labeled.

2.1 Materials:

- A. Manufacturers:
- Porcelain Tile: Daltile, (877) 556-5728, internet: http://daltile.com
 - For ordering purposes, email all orders to chipotle@daltile.com
 - Waterproofing:
 - Setting and Grouting Materials and Tile Base Membrane: Mapei, (800) 992-6273, internet: www.mapei.com

B. Tile:

- General: Provide tile that complies with ANSI A137.1 for types, compositions and other characteristics indicated. Provide tile in the locations and of the types, colors and pattern indicated on the Drawings. Tile shall also be provided in accordance with the following:
 - Factory Blending: For tile exhibiting color variations within the acceptable ranges, blend tile in factory and package tile so tile taken from one package shows the same range of colors as those taken from other packages.
 - Factory Applied Temporary Protective Coatings: Where indicated under tile type, protect exposed surfaces of tile against adherence of mortar and grout by pre-coating with a continuous film of petroleum paraffin was applied hot. Do not coat unexposed tile surfaces.
- Glazed Porcelain Tile: Series: Volume 1.0, Part #: VL7012241P6, Size: 12x24, Color: VL70 Amplify Black, Pattern: 1/3 running bond.
 - Moisture Absorption: Less than .5 percent to less than 20 percent.
 - Trim Units: Matching bullnose, cove base corner, cove base shapes in sizes coordinated with field tile.
- Non-Ceramic Trim: Finish as indicated on the Drawings, style and dimensions to suit application, for setting using tile mortar or adhesives: use in the following locations:
 - Open edges of floor tile.
 - Transition between floor finishes of different heights and/or materials.
 - Expansion and control joints, floor and wall.

- 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: #47, "Charcoal", 3/16" grout joints.

- F. Tile Base Membrane: Mapei, Mapelastic AquaDefense, Premium Waterproofing and Crack Isolation Membrane

3.1 Installation

- A. Examination:
- Verify that wall and sub-floor surfaces are dust-free, and free of substances which would impair bonding of setting materials to sub-floor surfaces, and are smooth and flat with tolerances specified in ANSI A137.1.
 - Verify that concrete sub-floor surfaces are ready for tile installation by testing for moisture emission rate and alkalinity; obtain instructions if test results are not within limits recommended by tile manufacturer and setting materials manufacturer.
 - Verify that required floor-mounted utilities are in correct location.

- B. Preparation:
- Protect surrounding work from damage.
 - Remove any curing compounds or other contaminants.
 - Vacuum clean surfaces and damp clean.
 - Seal substrate surface cracks with fillers. Level existing substrate surfaces to acceptable flatness tolerances.
 - Install cementitious backer board (if applicable) in accordance with ANSI A108.11 and board manufacturer's instructions. Tape joints and corners, cover with skim coat of dry set mortar to a feather edge.
 - Prepare substrate surfaces for adhesive installation in accordance with adhesive manufacturer's instructions.

C. Installation - General:

- Install tile and grout in accordance with applicable requirements of ANSI A108.1 through A108.13, manufacturer's instructions, and TCA Handbook recommendations.
- Lay tile pattern indicated. Arrange pattern so that a full tile or joint is centered on each wall and that no tile less than 1/2 width is used. Do not interrupt tile pattern through openings. Adjust layout to minimize tile cutting. Locate cuts to be least conspicuous.
- Cut and fit tile to penetrations through tile, leaving sealant joint space. Form corners and bases neatly. Align floor joints.
- Place tile joints uniform in width, subject to variance in tolerance allowed in the size. Make joints watertight, without voids, cracks, excess mortar, or excess grout. Maintain units uniformly "in plane." Provide straight, uniform joint widths and grout lines.
- Form internal angles square and external angles bullnosed.
- Install ceramic accessories rigidly in prepared openings.
- Install non-ceramic trim in accordance with manufacturer's instructions.
- Install thresholds where indicated.
- Sound tile after setting. Replace hollow sounding units.
- Keep expansion joints free of adhesive or grout. Apply sealant to joints.
- Allow tile to set for a minimum of 48 hours prior to grouting.
- Grout tile joints. Use standard grout unless otherwise indicated.
- Apply sealant to junction of tile and dissimilar materials and junction of dissimilar planes.

D. Installation - Floors - Thin-Set Methods:

- Over interior concrete substrates, install in accordance with TCA Handbook Method F113, dry-set or latex-portland cement bond coat, with standard grout, unless otherwise indicated.
 - Where waterproofing membrane is indicated, install in accordance with TCA Handbook Method F122, with latex-portland cement grout.
 - Where epoxy bond coat and grout are indicated, install in accordance with TCA Handbook Method F131.
- Over wood substrates, install in accordance with TCA Handbook Method F142, with standard grout, unless otherwise indicated.
 - Where epoxy bond coat and grout are indicated, install in accordance with TCA Handbook Method F143.

- E. Elevated Floor Slabs: Install waterproofing membrane at elevated floor slab surfaces scheduled to receive tile floor finish. Install membrane materials in accordance with manufacturer's installation instructions to produce a waterproof membrane of uniform minimum 30 mil thickness bonded securely to substrate.

- Extend waterproofing up vertical wall surfaces minimum 4" high.
- Extend membrane down into floor drain flanges to assure continuous waterproofing at drainage points.

CONSULTANT:



CLIENT:



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

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- F. Wet Areas: Install waterproofing membrane at all wall base adjacent to tile flooring. Install membrane materials in accordance with manufacturer's installation instructions to produce a waterproof membrane of uniform minimum 30 mil thickness bonded securely to substrate.
- Extend waterproofing up all vertical wall surfaces receiving base minimum 4" high. Extend waterproofing membrane 10" minimum horizontally from all vertical wall surfaces adjacent to tile flooring.
- G. Cleaning:
- Clean tile and grout surfaces.
- H. Protection of Finished Work:
- Do not permit traffic over finished floor surface for 72 hours after installation.
 - Cover floors with kraft paper and protect from dirt and residue from other trades.
 - Where floor will be exposed for prolonged periods cover with plywood or other similar type walkways.

SECTION 09330 - QUARRY TILE

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

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

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

2.1 Materials:

A. Manufacturers:

- Quarry Tile: Daltile, (877) 556-5728, internet: http://daltile.com
 - For ordering purposes, email all orders to chipotle@daltile.com
- Waterproofing, Setting and Grouting Materials:
 - Setting and Grouting Materials and Tile Base Membrane: Mapei
 - For ordering purposes, email all orders to chipotle@daltile.com
 - For technical questions, contact Mapei, (800) 992-6273, internet: www.mapei.com

B. Quarry Tile: Daltile 6" x 6" x 1/2" Quarry Textures with 5" base as scheduled on finish plan and appropriate trim; Color: "Ashen Gray" 0T03

- Entire Kitchen Area: Provide non-abrasive finish quarry tile.
- Rest Rooms: Provide non-abrasive finish quarry tile.
- Outside Corner Cove Base (Kitchen): HQC (L or R)-3565 5" x 6"
- Inside Corner Cove Base: #Q8-3565 1" x 5"
- Bullnose Coveless Base: #Q-1665, 6" x 6",
- Bullnose Corner Coveless Base: #QCR1-1665, 6" x 6".

C. Waterproofing for elevated floor slabs: Mapei, Mapelastic AquaDefense, Premium Waterproofing and Crack Isolation Membrane

D. Setting Adhesive: Mapei, Ultraflex 3, Color: Gray

E. Grout: Mapei, Kerapoxy IEG CQ, Color: #9, "Gray", 1/4" grout joints.

F. Quarry Tile Base Membrane: Mapei, Mapelastic AquaDefense, Premium Waterproofing and Crack Isolation Membrane

3.1 Installation

A. Preparation: Clean substrate surfaces, scheduled to receive quarry tile, thoroughly and remove all coatings that may impair bond.

- Center tile fields both directions in each floor area. Adjust layout to minimize tile cutting. Avoid tile less than one-half size. Locate cuts to be least conspicuous.
- Maintain units uniformly "in plane." Provide straight, uniform joint widths and grout lines.

B. Elevated Floor Slabs: Install waterproofing membrane at elevated floor slab surfaces scheduled to receive quarry tile floor finish. Install membrane materials in accordance with manufacturer's installation instructions to produce a waterproof membrane of uniform minimum 30 mil thickness bonded securely to substrate.

- Extend waterproofing up vertical wall surfaces minimum 10" high.
- Extend membrane down into floor drain flanges to assure continuous waterproofing at drainage points.

C. Wet Areas: Install waterproofing membrane at all quarry tile wall base. Install membrane materials in accordance with manufacturer's installation instructions to produce a waterproof membrane of uniform minimum 30 mil thickness bonded securely to substrate.

- Extend waterproofing up all vertical wall surfaces receiving quarry tile base minimum 10" high. Extend waterproofing membrane 10" minimum horizontally from all vertical wall surfaces receiving quarry tile base.

D. Installation: Install, grout and clean ceramic tile in accordance with referenced TCA installation details and ANSI standard specifications for setting methods scheduled.

- Floors: Latex-portland cement mortar on concrete; TCA detail F113 and ANSI A108.5, grout ANSI A108.10.
- Base: Latex-portland cement mortar on cement board.

SECTION 09340 - CERAMIC TILE

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

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

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

2.1 Materials:

A. Manufacturers:

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

B. Ceramic Tile:

- Kitchen Tile, or as noted in plans, Series - Finish Line Glazed Ceramic Tile:
 - Color - White FL90, Semi-Gloss, Size - 4 x 16, Pattern - Stacked Bond
- Accent Tile, Series - Color Wheel Glazed Ceramic
 - Series - Remedy, Color - Alchemy RD25, Size - 2 x 9, Pattern - Stacked Bond
 - Series - Marrazzi, Color - Artesen AT25, Size - 2 x 4, Pattern - Brickjoint Mosaic

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

D. Grout:

- Kitchen Tile or as noted in plans
 - Mapei, Series - Flexcolor CQ - Gray #09, 1/8" grout joints.
- Accent Tile
 - 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.

- Protect surrounding work from damage.
- Remove any curing compounds or other contaminants.
- Vacuum clean surfaces and damp clean.
- Install cementitious backer board or glass-mat faced gypsum backing board as indicated in drawings in accordance with ANSI A108.11 and board manufacturer's instructions. Tape joints and corners, cover with skim coat of dry-set mortar to a feather edge.
- Prepare substrate surfaces for adhesive installation in accordance with adhesive manufacturer's instructions.

B. Kitchen:

- Install, grout and clean ceramic tile in accordance with referenced TCA installation details and ANSI standard specifications for setting methods scheduled.
- Lay tile in horizontal stack bond, following detail drawings for layout considerations. Horizontal rows of tile shall be full-height courses, unless noted otherwise.
- Arrange pattern so that a full tile or joint is centered on each wall horizontally and that no tile less than 1/2 width is used at the ends of the wall. Exception: when one end of the wall is a tile-to-gypsum board transition. Do not interrupt tile pattern through openings.
- Use specified stainless steel corner guards at tile-to-tile and tile-to-FRP outside corners.
- Use corner bead of 100% silicone sealant, color to match grout, at inside corners where tile meets tile.
- Use corner bead of 100% silicone sealant, white, at inside corners where tile meets paint gyp. board, tile meets FRP or tile meets aluminum.
- Cut and fit tile to penetrations through tile, leaving sealant joint space. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make joints watertight, without voids, cracks, excess mortar, or excess grout.
- Sound tile after setting. Replace hollow sounding units.
- Keep expansion joints free of adhesive or grout. Allow tile to set for a minimum of 48 hours prior to grouting. Apply sealant to junction of tile and dissimilar materials and junction of dissimilar planes. Refer to section 07900 Joint Sealers.
- Clean tile and grout surfaces.

SECTION 09510 - SUSPENDED CEILING SYSTEMS

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

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

- CISCA "Acoustical Ceilings - Use and Practice."
- ASTM C635.
- ASTM C636.

B. Related Sections:

- 09515 Cementitious Wood Fiber Acoustical Panels: Suspension system.

2.1 Materials:

A. Manufacturer:

- USG Interiors, Inc., (800) 950-3839, www.usg.com
- Pittcon Industries, (800) 637-7638, www.plttconindustries.com

B. Ceiling Panels: USG "Sheetrock Lay-In ClimaPlus No. 3270" ceiling panels with white, stipple texture, vinyl facing, 24" x 48" x 1/2".

C. Light Pocket: Pittcon "LP-700-800", White, Height of cove should be field verified by GC to end on a full tile height.

- Light pocket can have up to 6 week lead time and should be ordered as soon as possible.
- Light pocket endcap should only be installed when the end of the cove is not against a wall.

D. Suspension System: Provide intermediate duty, structural class, direct hung systems adequate to support light fixtures, ceiling diffusers and other normal accessories.

- Exposed "Tee" Grid System for use with Lay-In Ceiling panels: USG "Domn DX System" non-fire rated with 15/16" exposed face, cold-rolled galvanized steel with aluminum face cap, white paint finish on exposed surfaces. Provide hemmed edge aluminum wall angles, 15/16" exposed leg, white paint finish matching exposed grid.
- Concealed "Tee" Grid System for use with Painted Gypsum Board Ceilings & Soffits or with Cementitious Wood Fiber Acoustical Panels (Tectum): USG "DGLW" Heavy Duty Drywall Suspension System with 1 5/8" deep by 1 1/2" wide main tees and 1 1/2" deep by 1 1/2" wide cross tees.
- Hanger Wire: No. 12 SWG galvanized steel wire.
- Heavy Duty "Tee" Grid System for use with Felt Baffle Ceiling System: USG Donn Brand DX/DXL 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:

- ASTM D 2240 Rubber - 85 Shore A

2.1 Materials:

A. Manufacturer: Johnsnite, Inc., (800) 899-8916, internet: www.johnsnite.com

- Basin-of-Design Product Rubber Wall Base:
 - Resilient Rubber:
 - .125" (3.17 mm) Thickness
 - "Black" color
 - Straight (toeless) or coved as specified on finish plan
 - Inside and outside corners with 4" returns.

B. Alternate Wall Base only when approved by Arch PM and Chipotle DM.

- Vinyl Wall Base
 - .125" (3.17 mm) Thickness
 - "Black" color
 - Straight (toeless) or coved as specified on finish plan
 - Inside and outside corners with 4" returns.

C. Setting Adhesive:

- For porous surface applications: Johnsnite 960 Acrylic Cove Base Adhesive.
- 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:

- Sufficient plant facilities to provide quality and quantity of materials as required without delaying progress of work.
- Minimum of 40 years of experience in paper saturation of phenolic resin, and producing phenolic paper laminate.

B. Fabricator:

- Fabricated by the manufacturer, and/or;
- Contracted by the customer, minimum 5 years' experience in fabrication work for the size and complexity of the projects.

C. Installer

- Proven professional installer with a minimum of 5 years of documented experience.
- Approved by the manufacturer.

1.6 Delivery, Storage and Handling:

A. Refer to Section 01400 Quality Requirements.

B. Delivery: Deliver materials in manufacturer's original unopened containers/packages, with labels clearly identifying product name, manufacturer, color/texture and weight.

C. Storage:

- Keep panels dry and stored indoors in original packaging until installation.
- Store Stonewood panels on a smooth, dry, flat surface, making sure there are no bends or bowing in the load.
- Do not store directly on cold concrete floors as moisture may migrate.
- Do not store under heating units or air conditioning units.
- Keep load stored within outer wrap until use. Remove pallet straps once load is moved to storage area.
- Reseal plastic wrap if partial load is used.
- Keep foam dividers in place.

D. Handling:

- Handle materials in accordance with manufacturer's instructions.
- Protect materials during handling to prevent damage.
- When moving sheets, lift evenly to avoid dragging panels across each other and scratching the surface. PLEASE TAKE CARE NOT TO SCRATCH THE SURFACE OF THE PANEL DURING HANDLING, MACHINING AND INSTALLATION.

1.7 Warranty:

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

1.8 Project Conditions:

A. Environmental Limitations: Buildings are to be fully enclosed prior to installation with sufficient heat (70 degrees) and ventilation consistent with good working conditions for finish work.

B. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

C. Field Measurements: Verify locations of structural members and wall opening dimensions by field measurements before composite wall panel fabrication and indicate field measurements on Shop Drawings.

2.1 Manufacturer:

A. 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 filings from adjacent surfaces.
- F. Do not install damaged or questionable panels.
- G. Install solid phenolic wall panels plumb and level and accurately spaced.
- H. Anchor panels and other components of the work securely in place, with provisions for thermal and structural movement.
- I. Shim or otherwise plumb substrates receiving composite wall panels.
- J. Do not use construction adhesives to apply wall panels directly to substrates or wall board. Use mechanical fasteners only.

3.5 Erection Tolerances:

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

3.6 Field Quality Control:

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

3.7 Adjusting:

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

3.8 Cleaning:

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

SECTION 09900 - PAINTS AND COATINGS

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

A. Provide surface preparation, prime, intermediate and finish coatings for interior and exterior and existing scheduled surfaces and items.

B. Provide Tenant-selected finishes and colors for all exposed surfaces, unless otherwise indicated.

1.2 Related Documents:

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

1.3 Summary:

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

1.4 Quality Assurance:

A. Applicator Qualifications: Engage an experienced applicator that has completed painting system applications similar in material and extent to that indicated for this Project with a record of successful in-service performance.

B. Source Limitations: Obtain block fillers, primers and undercoat materials for each coating system from the same manufacturer as the finish coats.

C. Provide lead free prime and finish coatings. All top coatings shall be mold and mildew resistant.

1.5 Delivery, Storage and Handling:

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

1.6 Project Conditions

A. Apply water-based paints only when the temperatures of surfaces to be painted and surrounding air temperatures are between 50 and 90 degrees F (10 and 32 degrees C) unless otherwise stated on the technical data bulletin.

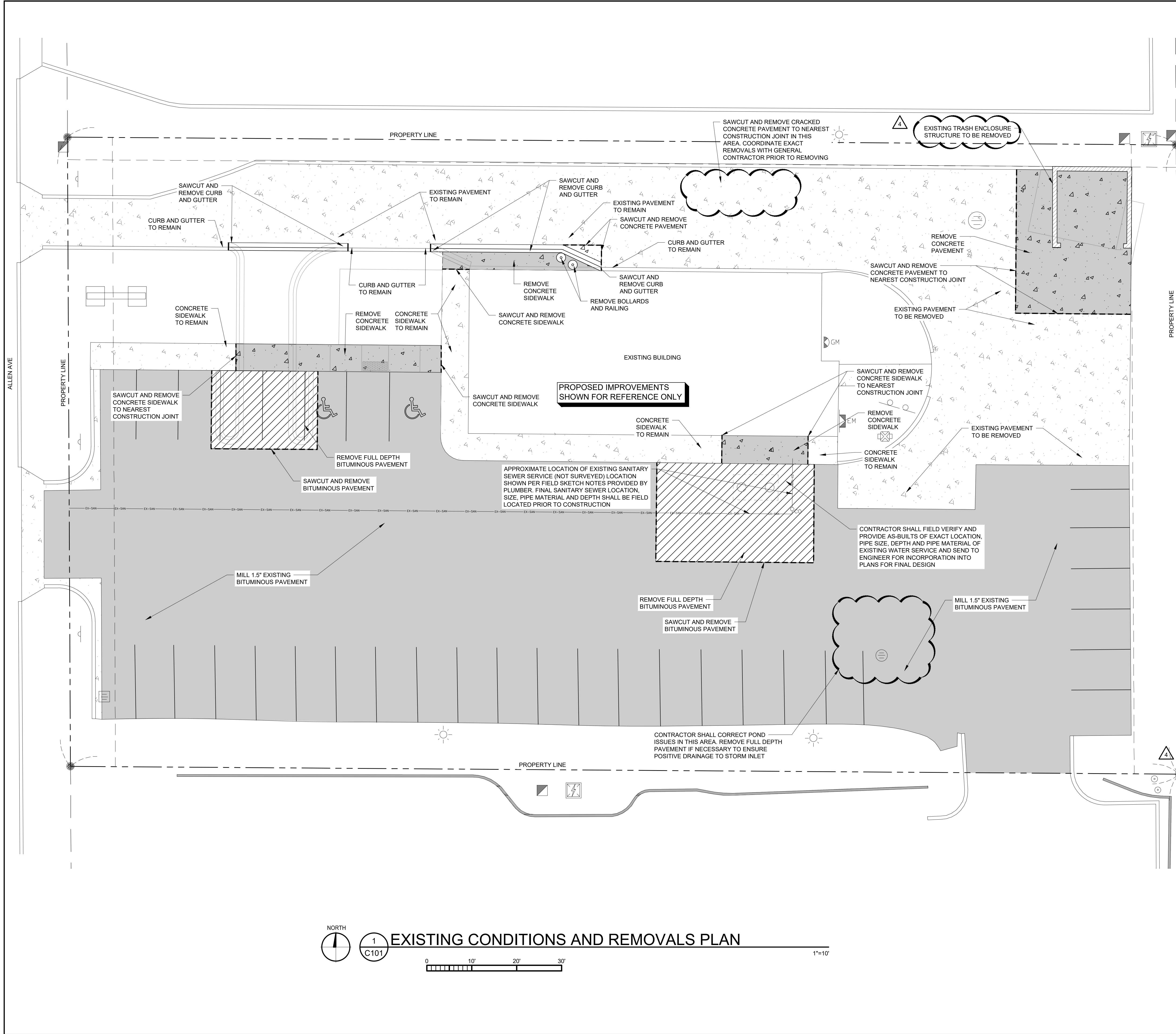
B. Apply solvent-thinned paints only when the temperature of surfaces to be painted and surrounding air temperatures are between 45 and 95 degrees F (7.2 and 35 degrees C).

C. Do not apply paint in snow, rain, fog, or mist, or when the relative humidity exceeds 85 percent, or at temperatures less than 5 degrees F (3 degrees C) above the dew point, or to damp or wet surfaces.

- Painting may continue during inclement weather if surfaces and areas to be painted are enclosed and heated within temperature limits specified by manufacturer during application and drying periods.

CONSULTANT:





GENERAL NOTES

1. ALL EXISTING INFORMATION TAKEN FROM SURVEY BY NORTHSTAR SURVEYING PROJECT NUMBER 16184, DATED AUGUST 24, 2016. BACKGROUND SURVEY ON THESE DRAWINGS IS FOR REFERENCE ONLY.
2. SUBSURFACE GEOTECHNICAL INVESTIGATION HAS NOT BEEN PROVIDED TO DATE.
3. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS INCLUDING LOCATIONS OF EXISTING PUBLIC AND PRIVATE UTILITIES, AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING CONSTRUCTION.
4. ALL EXISTING UTILITIES AND OTHER IMPROVEMENTS ARE TO REMAIN UNLESS NOTED OTHERWISE.
5. CONTRACTOR TO KEEP FROM DAMAGE ALL EXISTING IMPROVEMENTS, LANDSCAPING, STRUCTURES AND UTILITIES THAT ARE TO REMAIN. CONTRACTOR TO REPAIR ANY DAMAGE AT OWN EXPENSE.
6. ALL WORK TO CONFORM WITH CITY OF OWATONNA AND STATE OF MINNESOTA STANDARDS AND REGULATIONS.
7. ALL EXCAVATIONS MUST COMPLY WITH THE REQUIREMENTS OF OSHA 29 CFR, PART 1926, SUBPART P "EXCAVATIONS AND TRENCHES". THIS DOCUMENT STATES THAT EXCAVATION SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
8. CATCHBASINS AND MANHOLES ARE SHOWN ON PLAN LARGER THAN ACTUAL SIZE. COORDINATE LOCATION OF MANHOLE COVER AND CASTING SO THAT IT IS PROPERLY LOCATED AT THE BACK OF CURBLINE FOR THE CURB INLETS OR CENTERED IN THE AREA AS SHOWN ON THE PLAN FOR THE AREA DRAINS AND MANHOLE COVERS.
9. PROVIDE TRAFFIC CONTROL AT STREETS AND SIDEWALKS PER CITY OF OWATONNA AND MN MUTCD REQUIREMENTS. AS REQUIRED; TRAFFIC CONTROL DESIGN, RELATED PERMITTING, AND DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
10. ANY WORK PERFORMED OUTSIDE THE PROPERTY BOUNDARIES MUST BE APPROVED BY OWNER AND ALL REGULATING GOVERNMENT AGENCIES AND APPROPRIATE PERMITS MUST BE OBTAINED.
11. CONTRACTOR'S SURVEYOR SHALL RESET PERMANENT MONUMENTS AT LOCATIONS OF ALL FOUND MONUMENTS THAT ARE DISTURBED BY CONSTRUCTION AT NO COST TO OWNER. CONTRACTOR'S SURVEYOR SHALL PREPARE A MONUMENT PRESERVATION CERTIFICATE IN ACCORDANCE WITH STATE LAW.

REMOVAL NOTES

1. ALL UTILITY DEMOLITION AND/OR ABANDONMENT TO BE PERFORMED IN ACCORDANCE WITH CITY OF OWATONNA AND STATE OF MINNESOTA REGULATIONS AND STANDARDS.
2. EXISTING KNOWN UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS. CONTRACTOR TO FIELD VERIFY THE LOCATION OF ALL EXISTING PUBLIC AND PRIVATE UTILITIES WHICH MAY INCLUDE BUT IS NOT LIMITED TO: ELECTRIC, TELEPHONE, GAS, CABLE TV, COMPUTER CABLE, FIBER OPTIC CABLE, SANITARY SEWER, STORM SEWER AND WATERMAIN. CONTRACTOR TO CONTACT 811 BEFORE EXCAVATING.

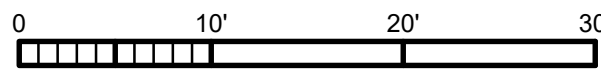
LEGEND

	EXISTING PROPERTY LINE
	EXISTING SIGN
	EXISTING MONUMENT SIGN
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	EXISTING ROUND INLET
	EXISTING SQUARE INLET
	EXISTING ELECTRIC METER
	EXISTING GAS METER
	EXISTING TELEPHONE PEDESTAL
	EXISTING ELECTRIC TRANSFORMER
	EXISTING BOLLARD
	EXISTING BOLLARD TO BE REMOVED
	EXISTING ADA PAVEMENT SYMBOL
	EXISTING SANITARY SEWER - APPROXIMATE LOCATION
	EXISTING CURB
	EXISTING CURB TO BE REMOVED
	MILL 1.5" EXISTING BITUMINOUS PAVEMENT
	EXISTING CONCRETE PAVEMENT
	EXISTING CONCRETE PAVEMENT TO BE REMOVED
	EXISTING FULL DEPTH BITUMINOUS PAVEMENT TO BE REMOVED



1
C101

EXISTING CONDITIONS AND REMOVALS PLAN



1"=10'

CONSULTANT:



VAA, LLC
2900 Berkshire Lane N, Suite 200
Plymouth, MN 55441
763.559.9100
www.vaaeng.com
Project # 230678

CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182566
COLUMBUS, OH 43218-2566
TELEPHONE: (614) 318-2482
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: 5558
SQUARE WAY
"OWATONNA" 135
OWATONNA, MN 55060

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

SIGNATURE
Andrew R. Lapalme
TYPED OR PRINTED NAME
December 02, 2024
DATE
46243
LICENSE NUMBER

PROJECT NO. 240504
DRAWN BY RCQ/AIR
CHECKED BY ARL

ISSUE RECORD:
09/17/2024 PERMIT SET
10/24/2024 BID SET
12/02/2024 CONSTRUCTION SET

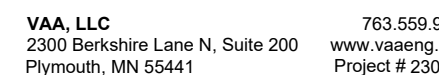
REVISIONS:
1 10/14/2024 CLIENT COMMENTS
4 11/12/2024 CLIENT UPDATES

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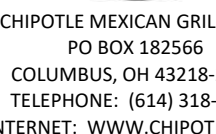
EXISTING CONDITIONS
AND REMOVALS PLAN

C101

CONSULTANT



CLIENT



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GRILL, INC..

PROJECT INFORMATION

STORE NO.: 5558

1. CONTRACTOR TO RESTORE ALL AREAS OUTSIDE THE LIMITS OF PAVING. PROVIDE PERMANENT SOD PER MNDOT SPECIFICATION SECTION 3878.
2. INSTALL PERIMETER AND SEDIMENT CONTROL ITEMS PRIOR TO CONSTRUCTION.
3. REMOVE ALL SOILS AND SEDIMENTS TRACKED OR OTHERWISE DEPOSITED ONTO PUBLIC AND PRIVATE PAVEMENT AREAS. REMOVAL SHALL BE ON A DAILY BASIS THROUGHOUT THE DURATION OF THE CONSTRUCTION. CLEAN PAVED ROADS BY SHOVELING OR SWEEPING. STREET WASHING IS ALLOWED ONLY AFTER SHOVELING OR SWEEPING HAS REMOVED SEDIMENT. SEE CITY OF OWATONNA STANDARDS AND REGULATIONS
4. RESTORATION REQUIREMENTS ARE SHOWN AT A MINIMUM. ADDITIONAL RESTORATION MAY BE REQUIRED IF THERE IS ADDITIONAL SOIL DISTURBANCE.

SEAL:

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

SIGNATURE
Andrew R. Lapalme
TYPED OR PRINTED NAME
December 02, 2024
DATE
46243
LICENSE NUMBER

PROJECT NO.	240504
DRAWN BY	RCQ/AJR
CHECKED BY	ARL

ISSUE RECORD:	
09/17/2024	PERMIT SET
10/24/2024	BID SET
12/02/2024	CONSTRUCTION SET

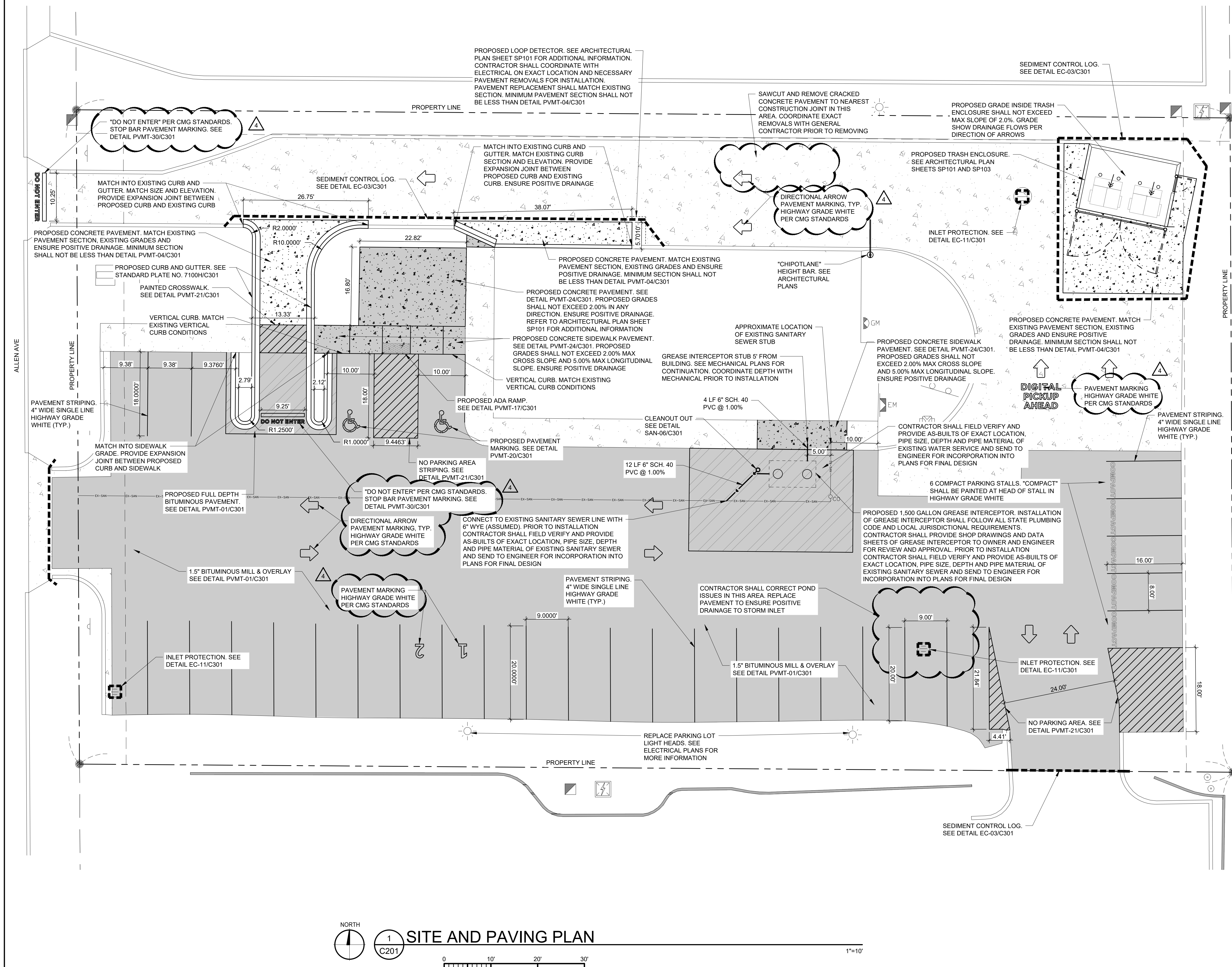
REVISIONS:		
1	10/14/2024	CLIENT COMMENTS
4	11/12/2024	CLIENT UPDATES

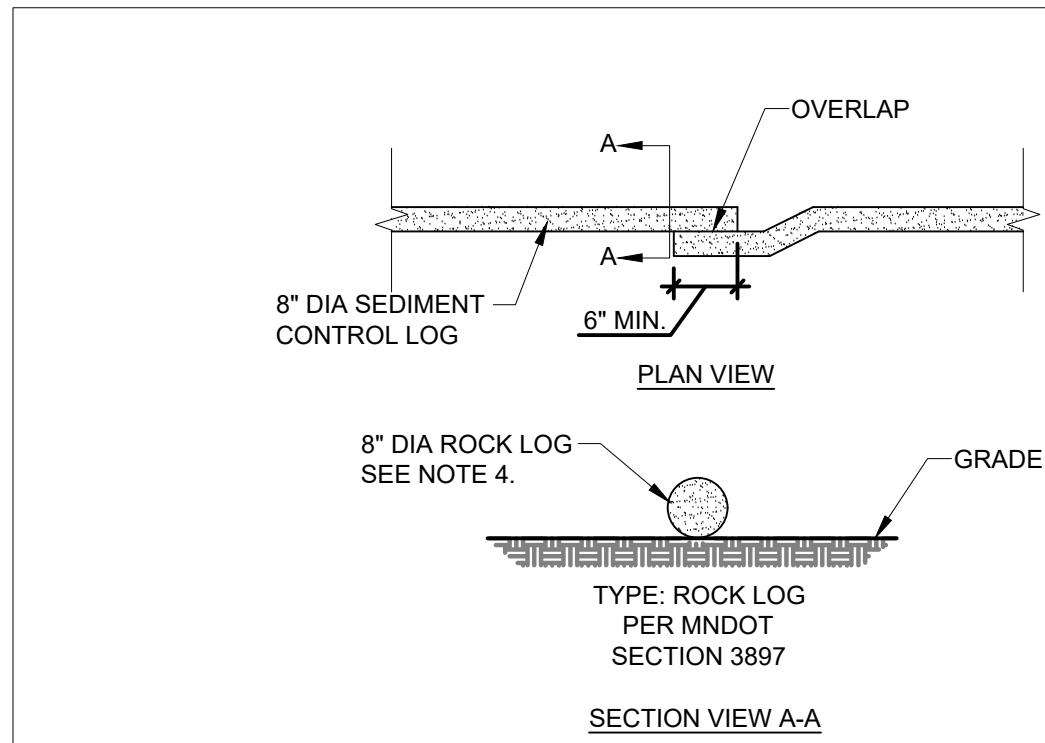
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TITLE:

SITE AND PAVING PLAN

C201





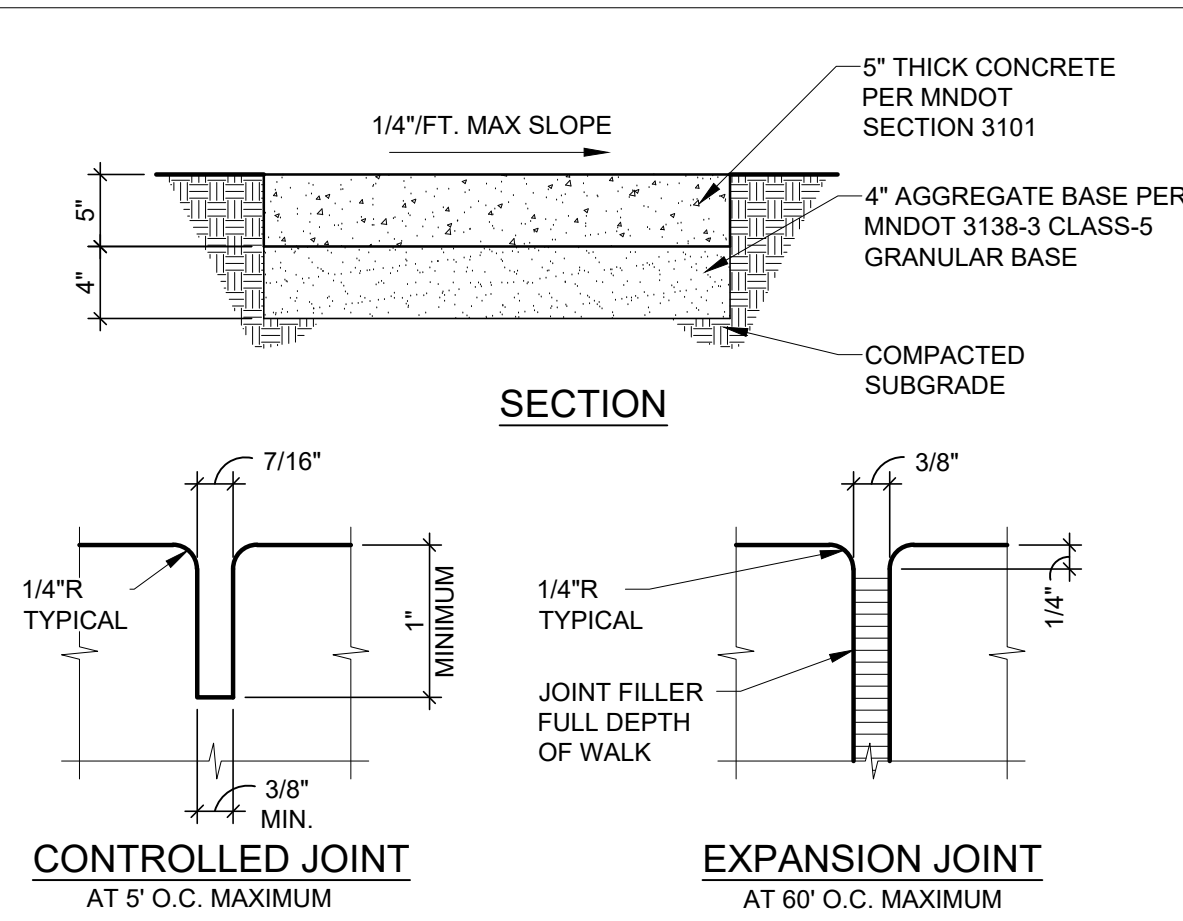
- NOTE:
- WHERE MORE THAN ONE (1) SEDIMENT CONTROL LOG IS USED, ENDS SHALL BE OVERLAPPED 8" MINIMUM
 - CONTRACTOR MAY SUBMIT SHOP DRAWING FOR APPROVED EQUAL PRIOR TO CONSTRUCTION.
 - ROCK LOG SHALL BE USED WHEN SEDIMENT CONTROL LOG IS PLACED ON PAVED SURFACES AND SEDIMENT CONTROL LOGS ARE UNABLE TO BE STAKED
 - INSPECT STRUCTURE A MIN. EVERY 7 DAYS AND AFTER EACH RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS AND REPAIR AS REQUIRED.
 - REMOVE SEDIMENT WHEN TRAP REACHES ONE-HALF (1/2) CAPACITY.
 - REMOVE STRUCTURE WHEN PROTECTED AREAS HAVE BEEN STABILIZED.

EROSION CONTROL

SEDIMENT CONTROL LOG

NOT TO SCALE
REVISED 10/19/20

EC-03



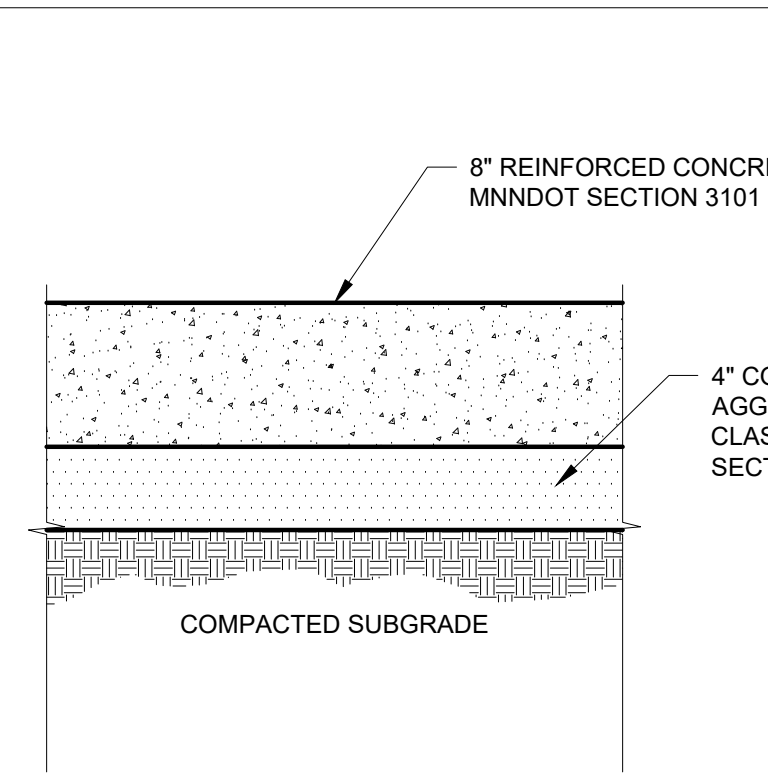
- NOTES:
- ALL BASE COURSES SHALL BE COMPACTED TO 100% MAX DRY DENSITY PER ASTM D698
 - PROVIDE 1/2" ISOLATION JOINTS AND SEALANT WHERE ALL NEW CONCRETE ABUTS FIXED OBJECTS, BUILDINGS, AND WHERE MATCHING INTO EXISTING CONCRETE.

PAVING

CONCRETE PATIO, SIDEWALK & JOINT DETAILS

NOT TO SCALE

PVMT-24



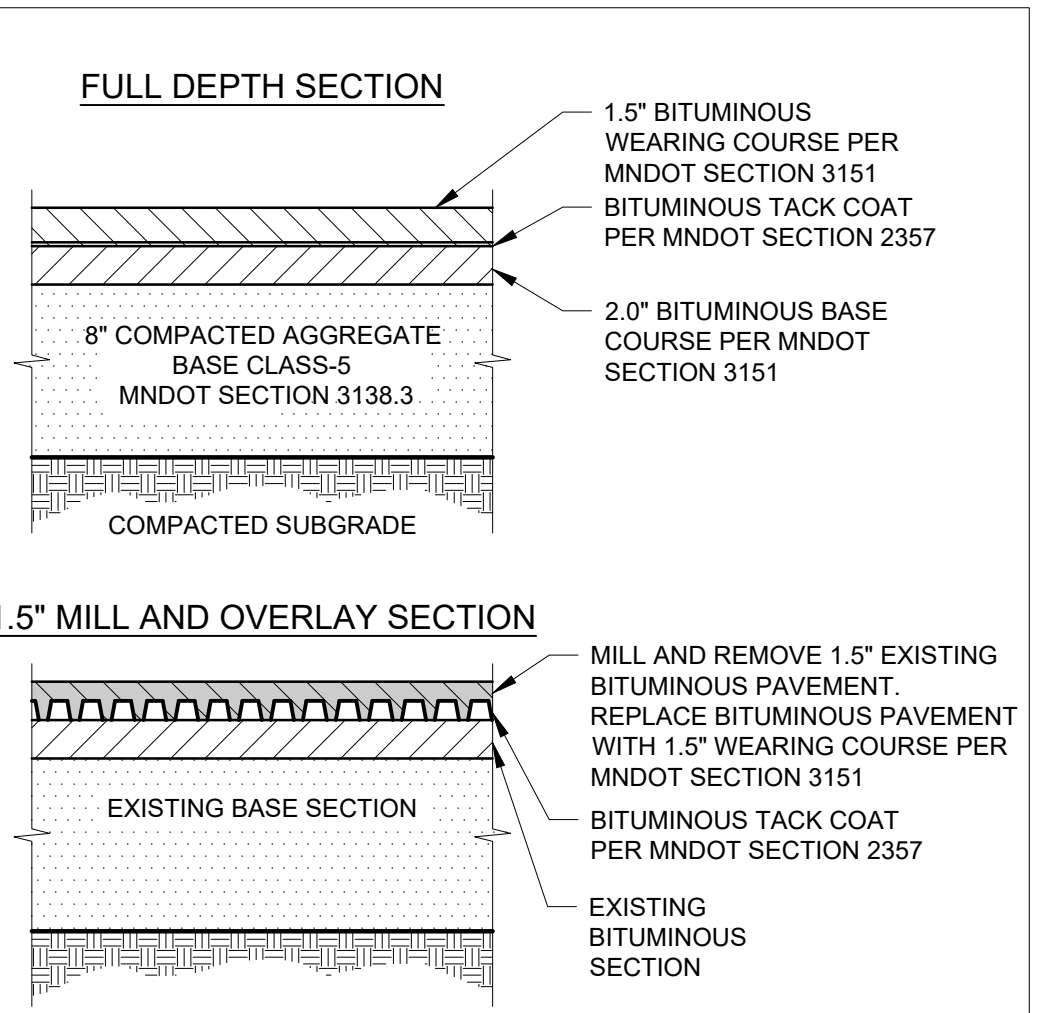
- NOTES:
- ALL BASE COURSES SHALL BE COMPACTED TO 100% MAX DRY DENSITY PER ASTM D698
 - PROVIDE CONTROLLED JOINTS AT 10' O.C. MAXIMUM IN BOTH DIRECTIONS
 - CONTRACTOR SHALL SUBMIT JOINTING PLAN TO OWNER AND ENGINEER FOR REVIEW A MINIMUM OF 10 DAYS PRIOR TO CONSTRUCTION.

PAVING

UNREINFORCED CONCRETE PAVEMENT DETAIL

NOT TO SCALE

PVMT-04



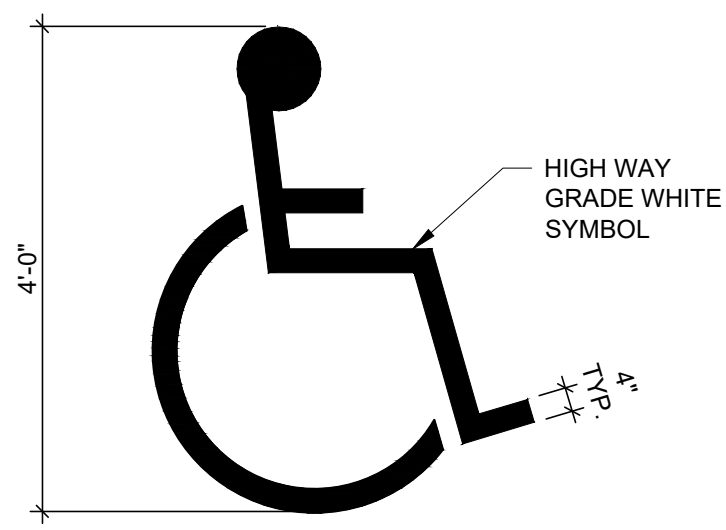
- NOTES:
- ALL BASE COURSES SHALL BE COMPACTED TO 100% MAX DRY DENSITY PER ASTM D698

PAVING

BITUMINOUS PAVEMENT DETAIL

NOT TO SCALE

PVMT-01

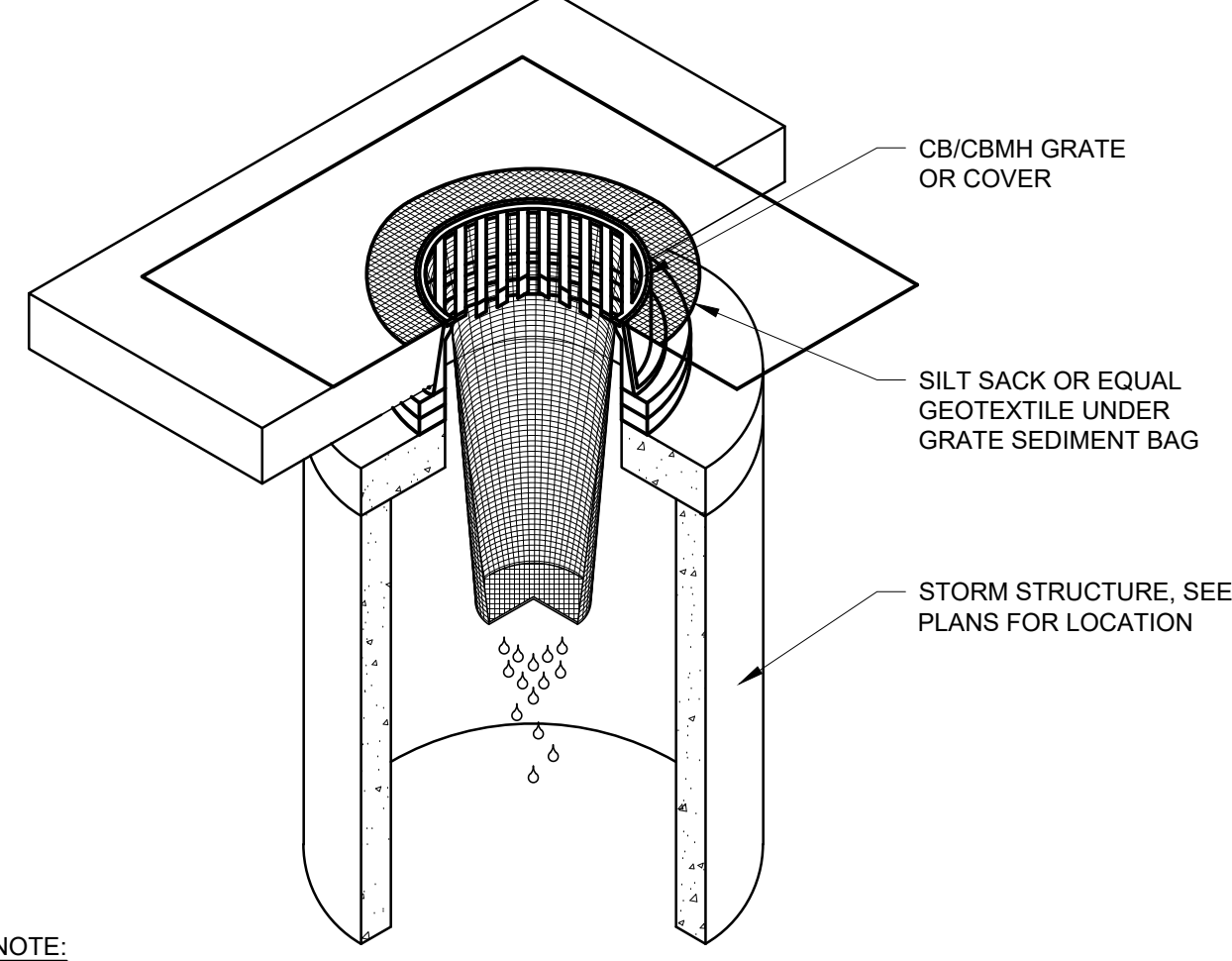


PAVING

ACCESSIBLE PARKING SYMBOL DETAIL

NOT TO SCALE

PVMT-20



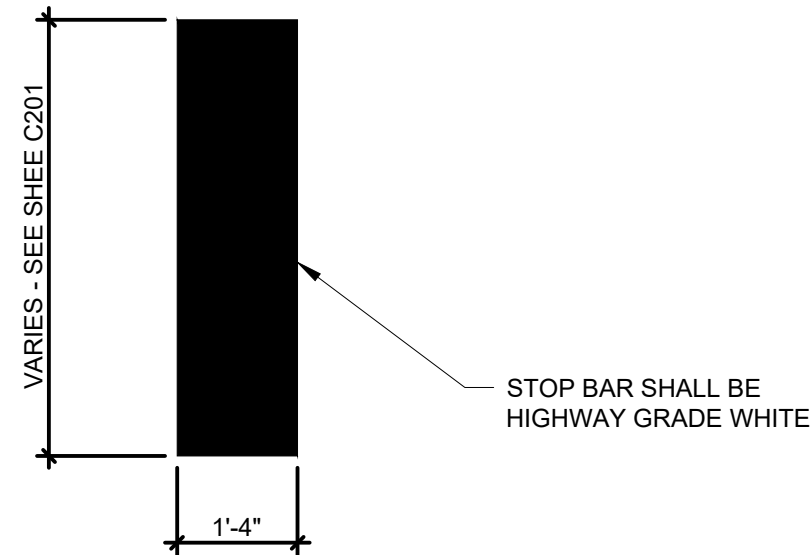
- NOTE:
- INSPECT STRUCTURE A MIN. EVERY 7 DAYS AND AFTER EACH RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS AND REPAIR AS REQUIRED.
 - REMOVE SEDIMENT WHEN TRAP REACHES ONE-HALF (1/2) CAPACITY.
 - REMOVE STRUCTURE WHEN PROTECTED AREAS HAVE BEEN STABILIZED.

EROSION CONTROL

SEDIMENT CONTROL AT CB/BMH DETAIL

NOT TO SCALE

EC-11

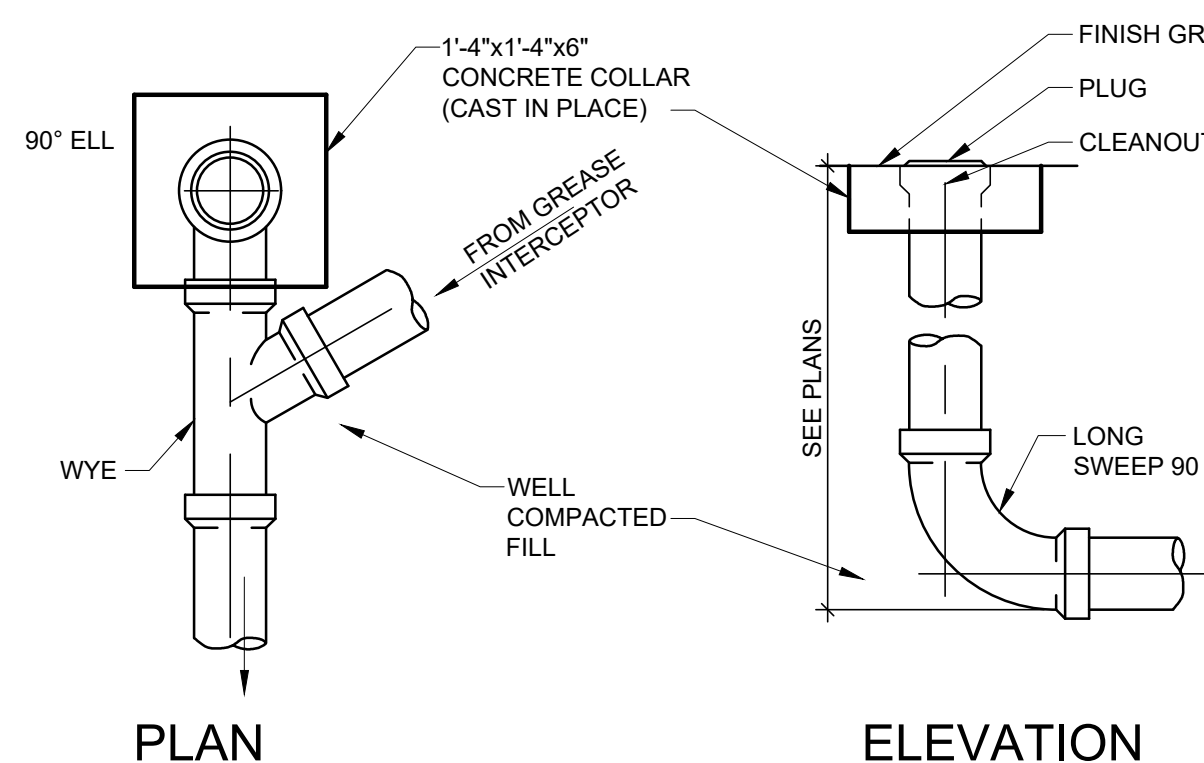


PAVING

STOP BAR DETAIL

NOT TO SCALE

PVMT-30

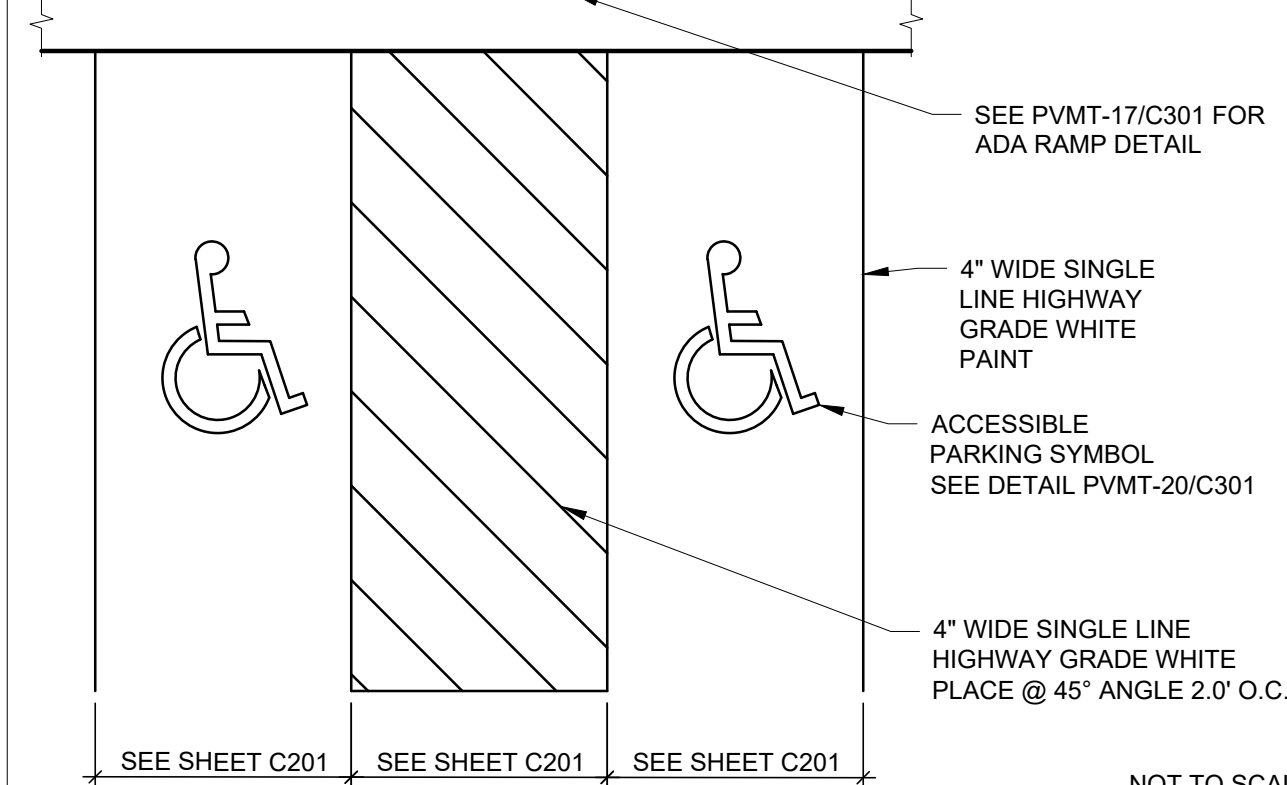


SANITARY

BUILDING SEWER CLEANOUT

NOT TO SCALE

SAN-06

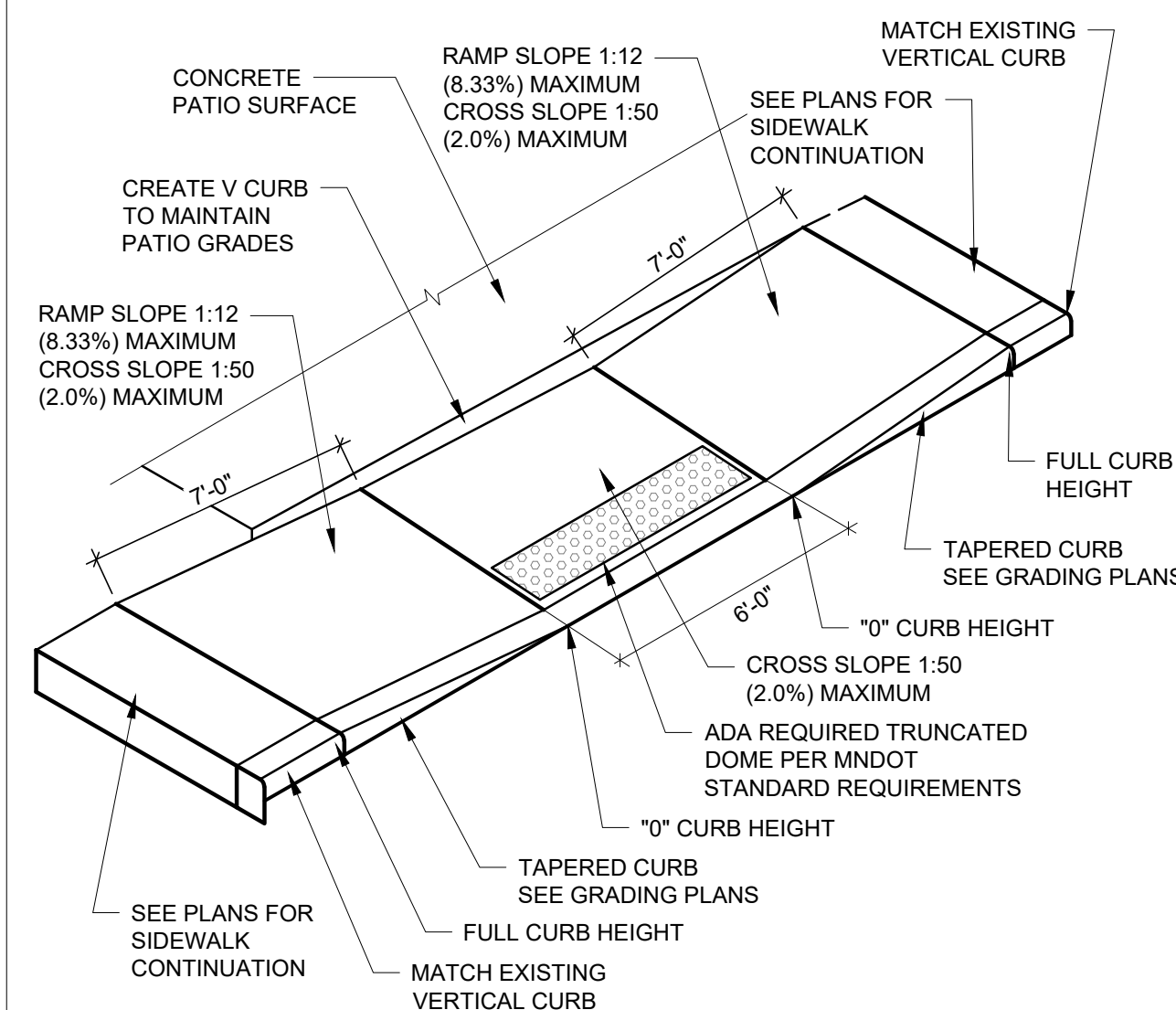


PAVING

ACCESSIBLE PARKING STALL(S) DETAIL

NOT TO SCALE

PVMT-22

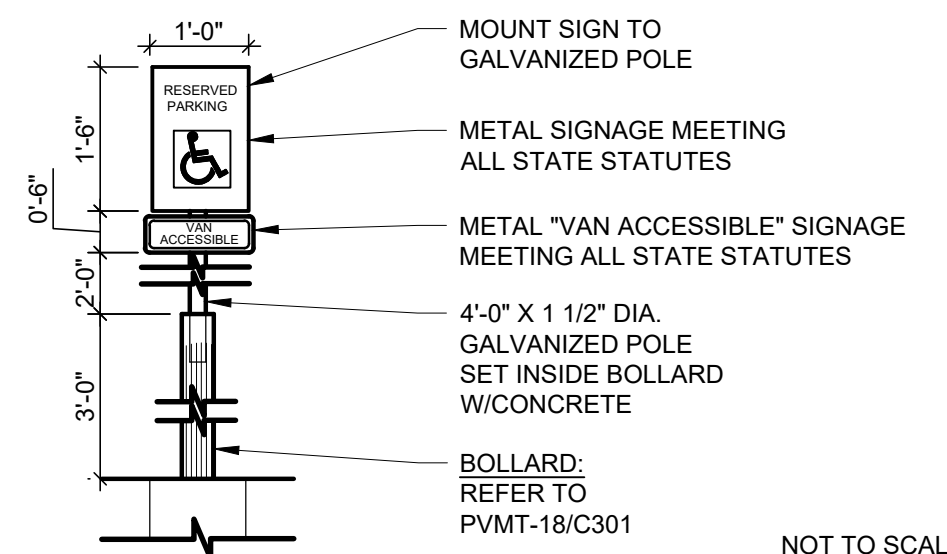


PAVING

CURB RAMP DETAIL

NOT TO SCALE
REVISED 11/09/20

PVMT-17

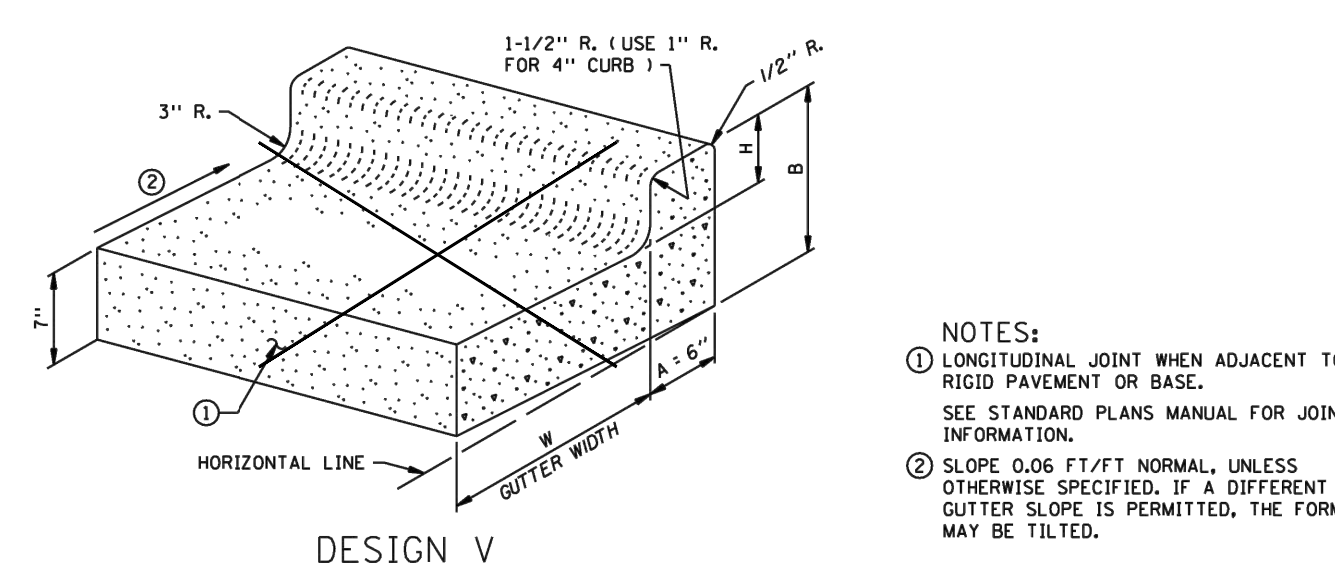
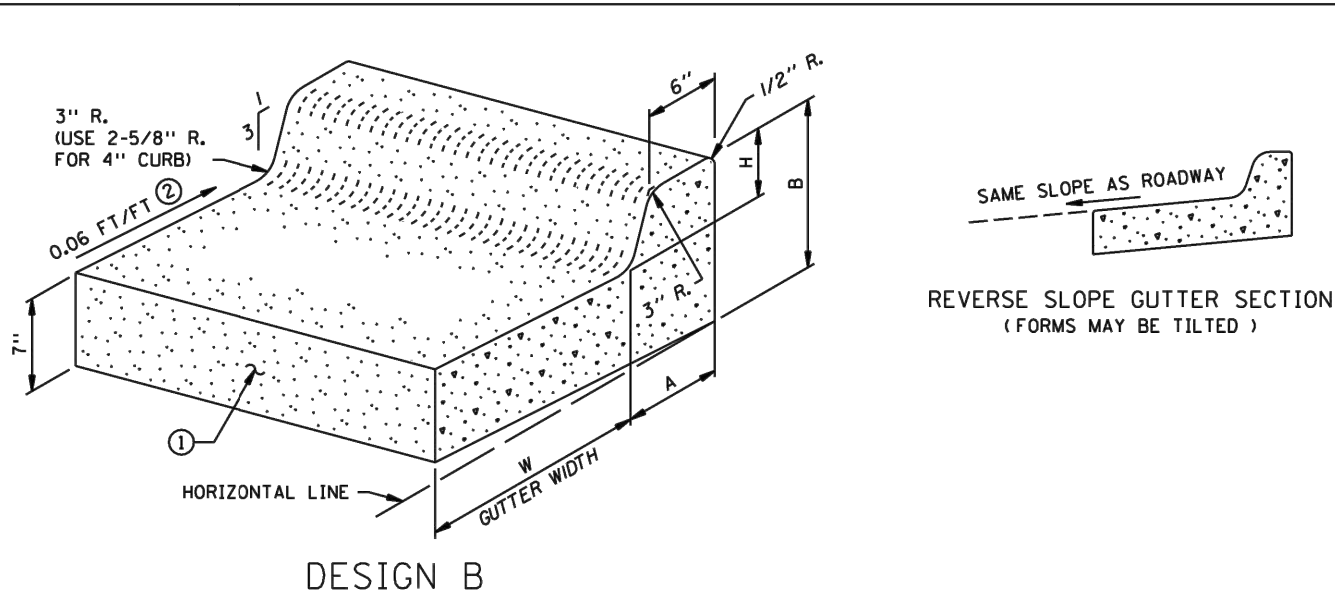


PAVING

ACCESSIBLE PARKING SIGN DETAIL

NOT TO SCALE

PVMT-17



DESIGN B		W = 12"	W = 18"	W = 24"	W = 30"	W = 36"
CONCRETE		CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE
H	B	DESIGN NO.	DESIGN NO.	DESIGN NO.	DESIGN NO.	DESIGN NO.
4	12	412	418	424	430	436
6	18	612	618	624	630	636
8	24	812	818	824	830	836
10	30	1012	1018	1024	1030	1036
12	36	1212	1218	1224	1230	1236

DESIGN V		W = 12"	W = 18"	W = 24"	W = 30"	W = 36"
CONCRETE		CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE
H	B	DESIGN NO.	DESIGN NO.	DESIGN NO.	DESIGN NO.	DESIGN NO.
4	12	412	418	424	430	436
6	18	612	618	624	630	636
8	24	812	818	824	830	836
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12	36	1212	1218	1224	1230	1236

APPROVED MARCH 11, 1994

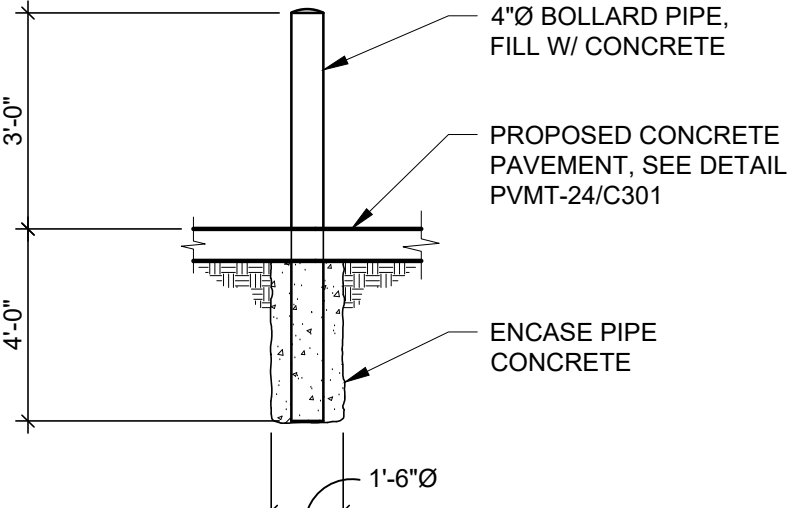
STATE OF MINNESOTA
DEPARTMENT OF TRANSPORTATION

CONCRETE CURB AND GUTTER
DESIGN B AND DESIGN V

SPECIFICATION
REFERENCE
2531

REVISION DATE
2-28-05

STANDARD
PLATE
NO.
7100H



PAVING

GUIDE POST DETAIL

NOT TO SCALE

PVMT-18

CONSULTANT:



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

763.559.9100
www.vaaing.com
Project # 230678

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PROJECT INFORMATION:

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

SIGNATURE

Andrew R. Lapalme
TYPED OR PRINTED NAME

December 02, 2024
DATE

46243
LICENSE NUMBER

PROJECT NO. 240504

DRAWN BY RCQ/AIR

CHECKED BY ARL

ISSUE RECORD:

09/17/2024 PERMIT SET

10/24/2024 BID SET

12/02/2024 CONSTRUCTION SET

REVISIONS:

1 10/14/2024

4 11/12/2024

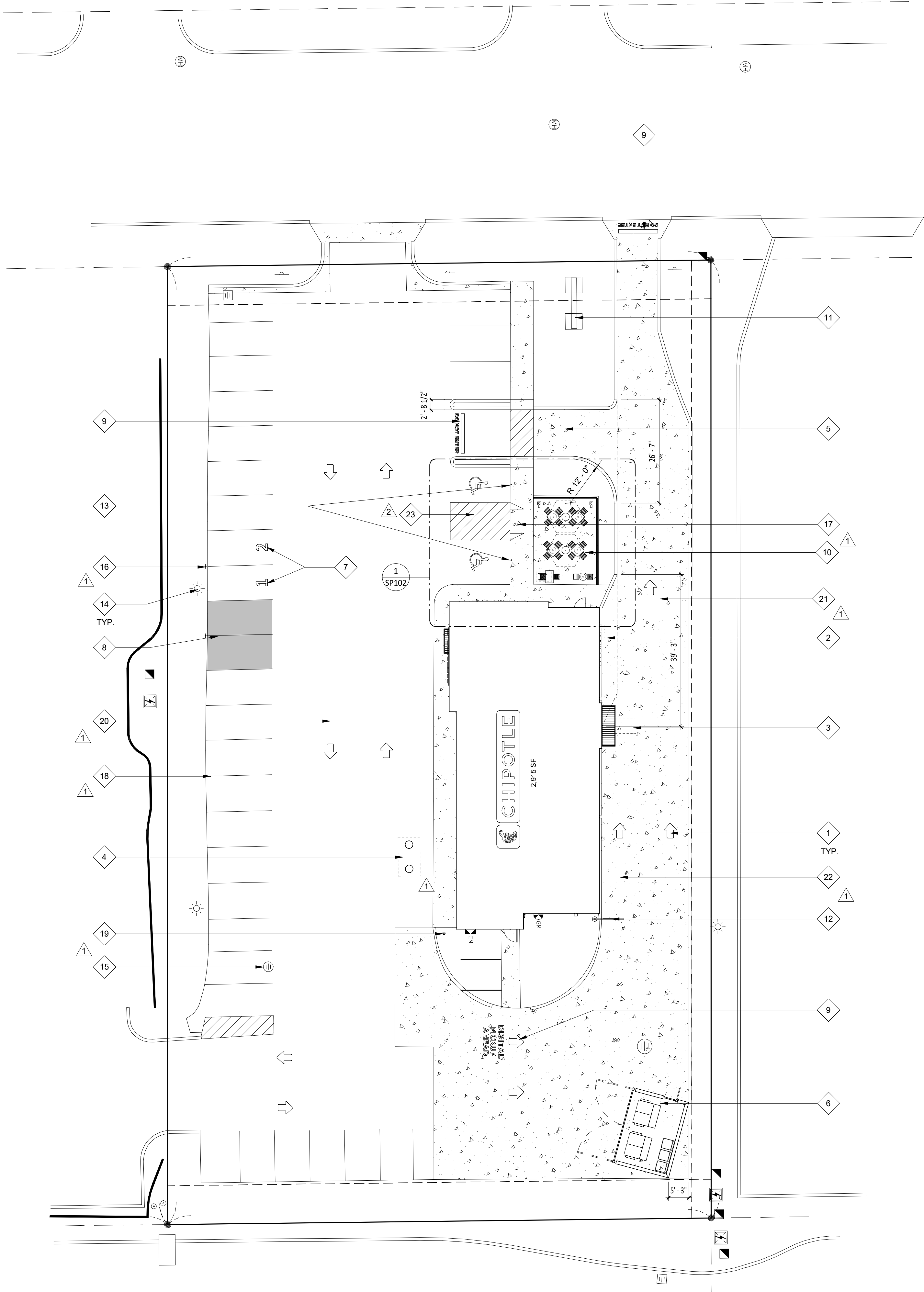
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CLIENT UPDATES

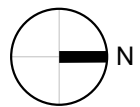
TITLE:

CIVIL DETAILS

C301



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



GENERAL NOTES - SITE PLAN

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

KEYNOTE LEGEND

- | | |
|----|--|
| 1 | DIRECTIONAL PAVEMENT MARKINGS PROVIDED BY CHIPOTLE'S GC, REFERENCE GENERAL NOTE 2 ABOVE. |
| 2 | NEW SECTION OF HIGH DENSITY CONCRETE AND CURBING. |
| 3 | LOOP DETECTOR INSTALLED BY CHIPOTLE'S GENERAL CONTRACTOR - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION - NEW CONDUIT STUB-UP PROVIDED BY CHIPOTLE'S GC. |
| 4 | 1,500 GALLON GREASE INTERCEPTOR LOCATION - CHIPOTLE'S GENERAL CONTRACTOR TO REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION. |
| 5 | RETURN DRIVE AISLE, CURBING, AND STRIPING, BY CHIPOTLE'S GC. |
| 6 | 14'-0" X 20'-0" TRASH ENCLOSURE, BY CHIPOTLE'S GC. |
| 7 | TWO (2) PULL-AHEAD PARKING SPACES MARKED WITH WHITE NUMBERS PARALELL TO STRIPING AND CENTERED IN SPACE - OFFSET NUMBERS INTO PARKING SPACE 12" MAX. FROM FRONT EDGE OF STRIPING. |
| 8 | 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, |
| 9 | "DO NOT ENTER" AND "DIGITAL PICKUP AHEAD" AND DIRECTIONAL ARROWS BY CHIPOTLE'S GC, REFERENCE GENERAL NOTE 2 ABOVE. |
| 10 | 385 S.F. PATIO SLAB, CONDUIT, LIGHT POLES, FURNITURE, AND PATIO RAILING PROVIDED BY CHIPOTLE'S GC. |
| 11 | EXISTING MONUMENT PYLON LOCATION - SIGN PANELS EACH SIDE BY CHIPOTLE. REMOVE LOWER CABINET, PAINT POST AND UPPER CABINET BY CHIPOTLE'S GC |
| 12 | CLEARANCE BAR - FOUNDATION AND CLEARANCE BAR ASSEMBLY PROVIDED AND INSTALLED BY THE SIGNAGE VENDOR |
| 13 | TWO (2) EXISTING ADA ACCESSIBLE PARKING SPACES MARKED WITH STRIPING, NEW SIGN POSTS AND FOUNDATION BY CHIPOTLE'S GC. |
| 14 | REPLACE ALL PARKING LOT LIGHT HEADS ON THE WEST SIDE, BY CHIPOTLE'S GC. |
| 15 | CORRECT PONDING WATER ISSUE AROUND EXISTING STROM DRAIN INLET WITH ASPHALT OVERLAY BY CHIPOTLE'S GC. |
| 16 | ONE (1) POLE SIGN FOR PULL-AHEAD PARKING SPACES - FOUNDATION AND POLE PROVIDED BY CHIPOTLE'S GC - SIGN PROVIDED BY THE SIGNAGE VENDOR AND TO BE INSTALLED BY GC. |
| 17 | NEW CURB RAMP AND CONCRETE SIDEWALK BY CHIPOTLE'S GC, SEE CIVIL DRAWINGS FOR MORE INFORMATION. |
| 18 | NEW WHITE PARKING LOT STRIPING THROUGHOUT, TYP. BY CHIPOTLE'S GC. |
| 19 | "DIGITAL PICK-UP SIGNAGE" - FOUNDATION AND SIGNAGE ASSEMBLY AND PROVIDED AND INSTALLED BY THE SIGNAGE VENDOR. |
| 20 | MILL & OVERLAY ASPHALT THROUGHOUT, TYP. BY CHIPOTLE'S GC. |
| 21 | REPLACE SEVERELY CRACKED CONCRETE PAVING TO NEAREST PANEL, TYP. BY CHIPOTLE'S GC. |
| 22 | POWER WASH ALL EXISTING CONCRETE PAVEMENT, SIDEWALKS & CURBS/GUTTERS, TYP. BY CHIPOTLE'S GC. |
| 23 | PROVIDE "NO PARKING" LETTERING IN ADA ACCESS AISLE COMPLIANT WITH MN RULE 1341.502.4.4 |

CONSULTANT:



CLIENT:



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PROJECT INFORMATION:

STORE NO.: #L5558
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SEAL:

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

Matthew M. Wilkus LICENSE # 54678

DATE January 06, 2025

PROJECT NO. 2024-0266
DRAWN BY TRC
CHECKED BY DRL

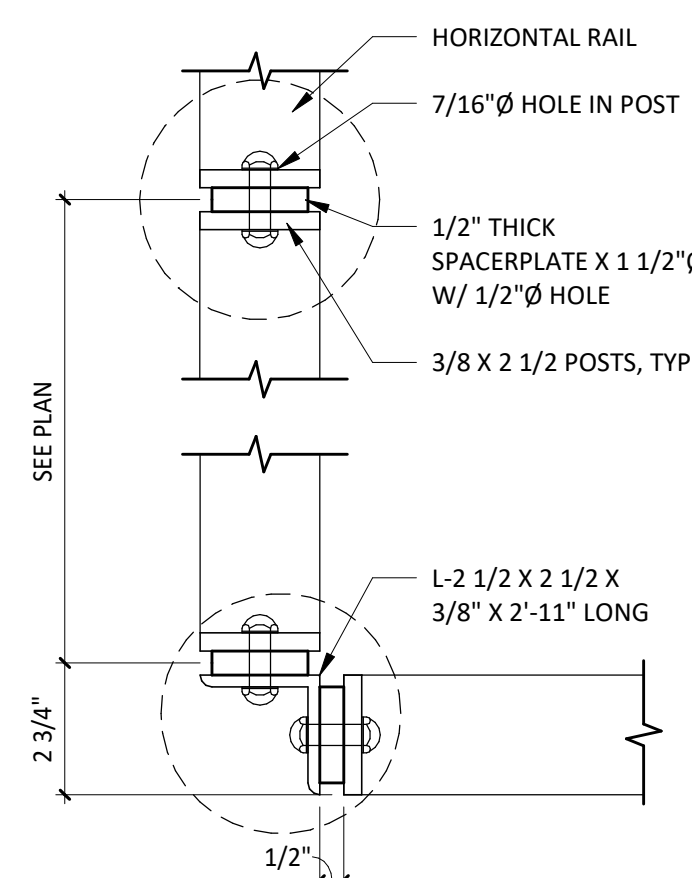
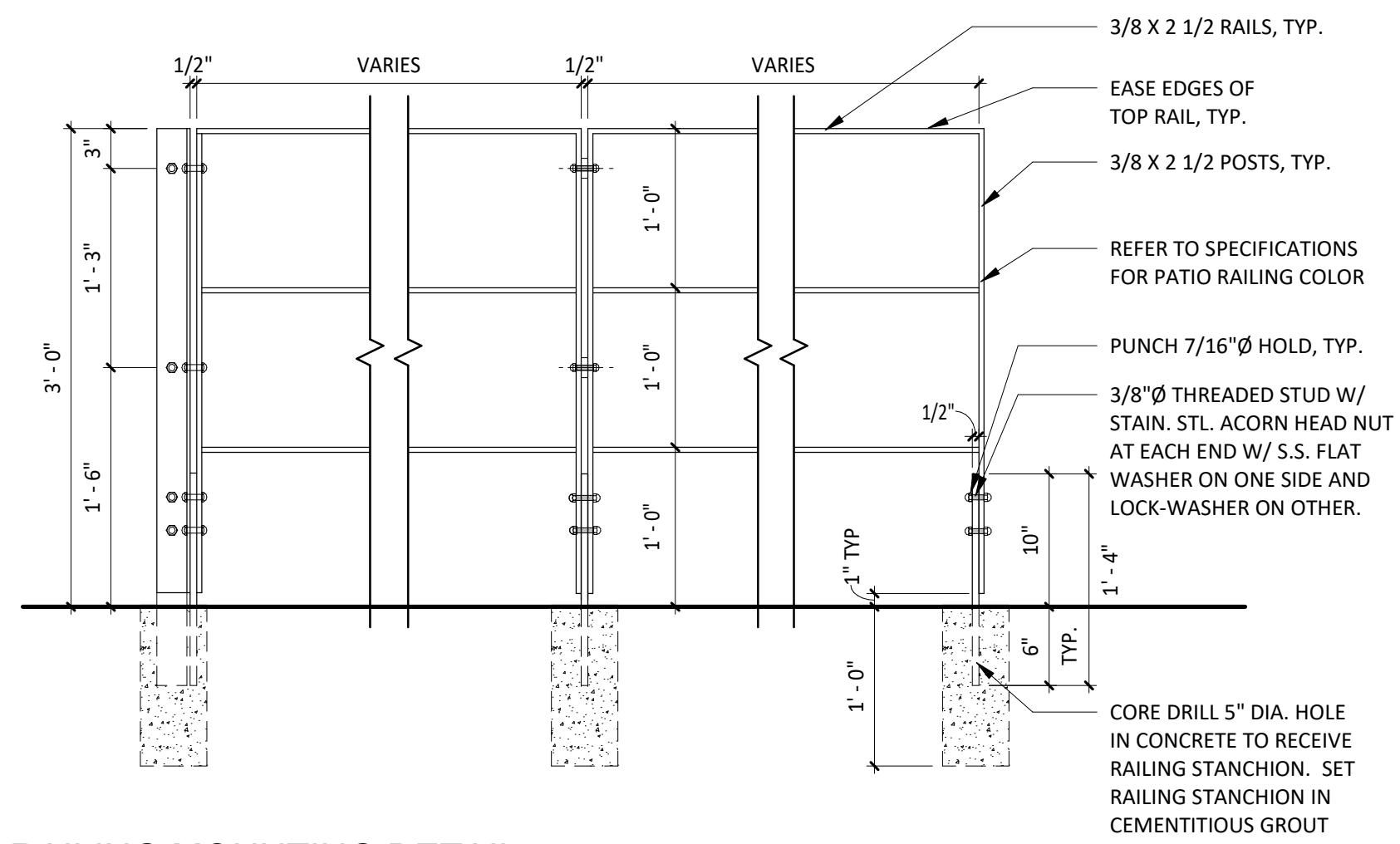
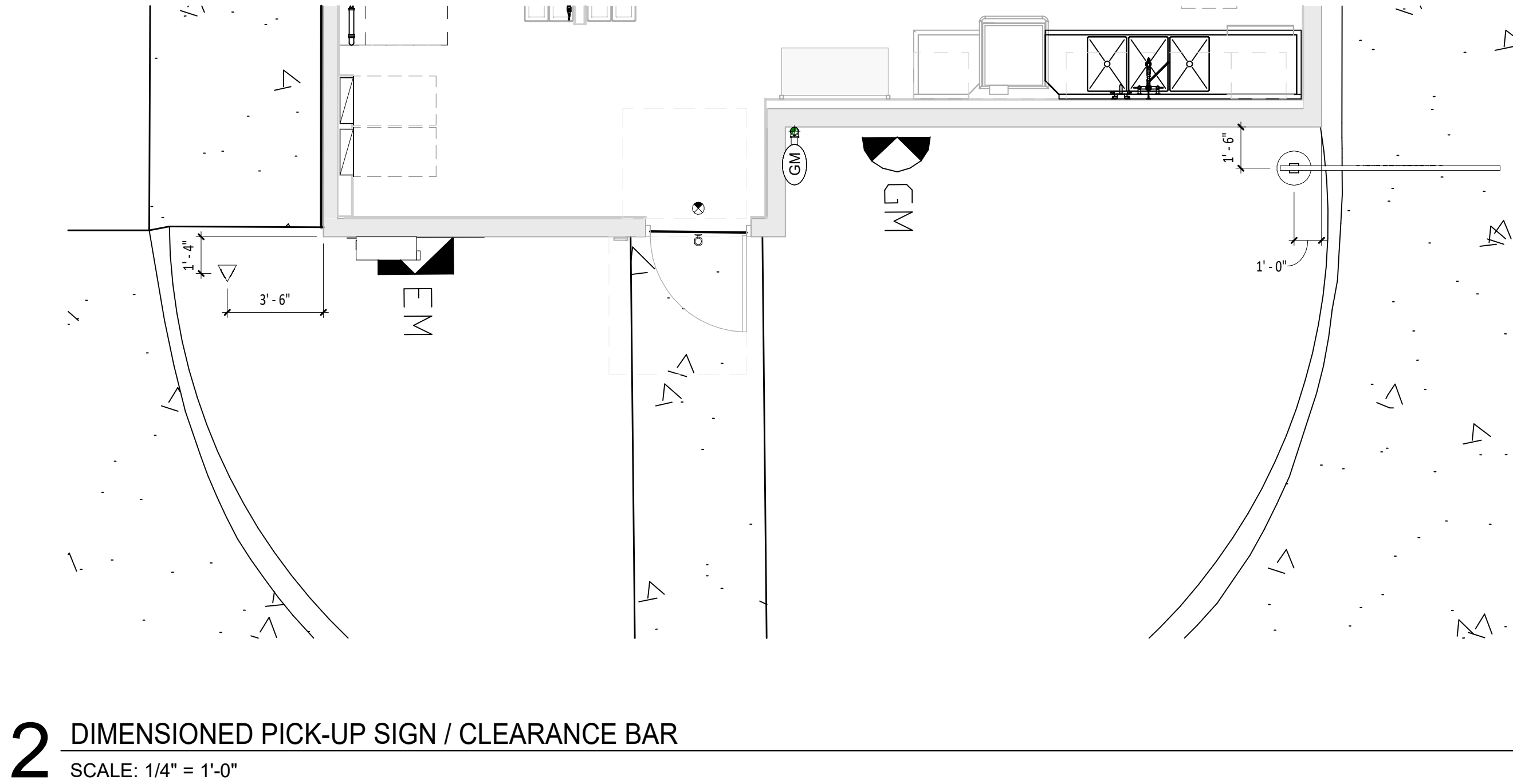
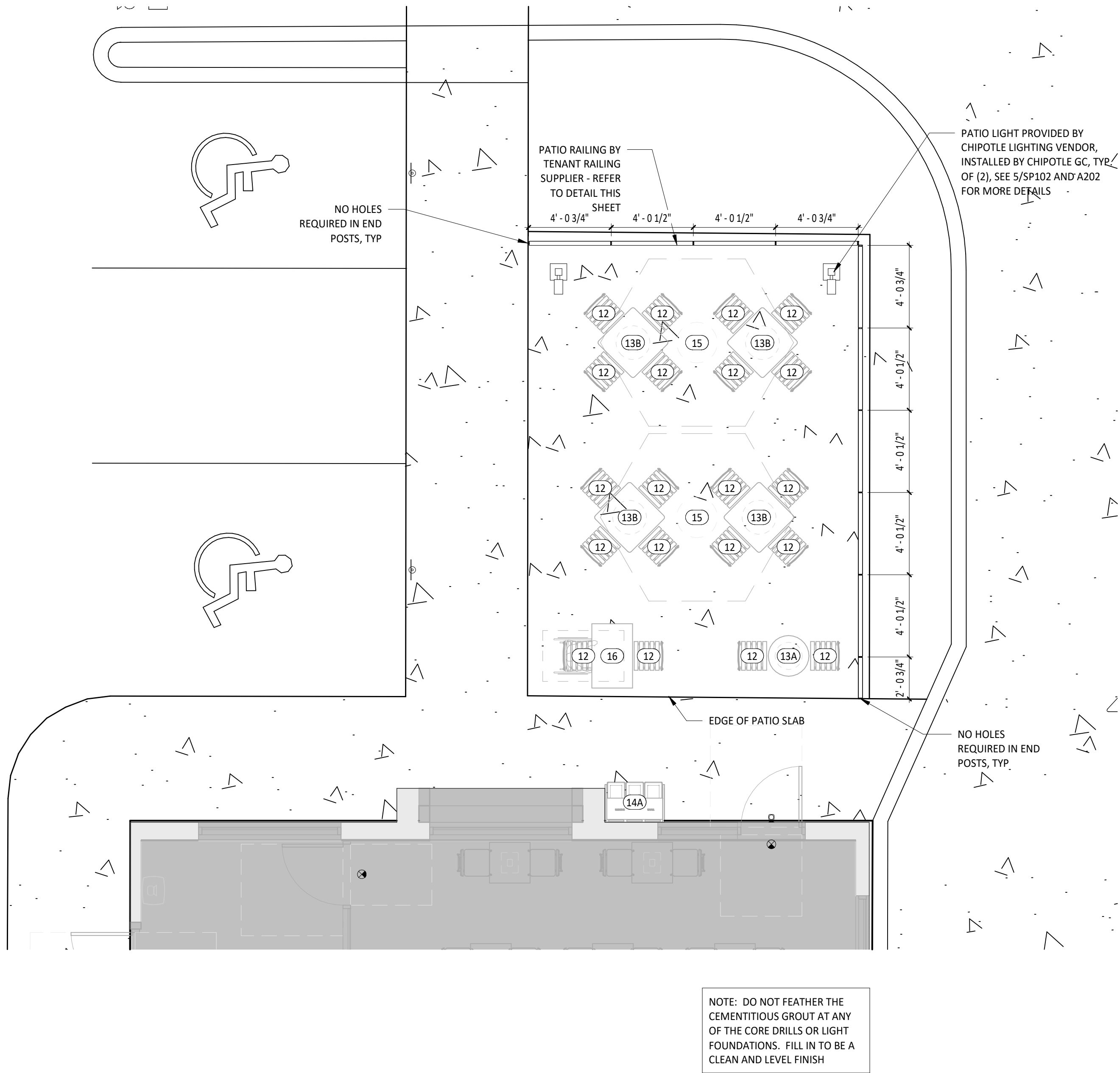
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10/24/2024 BID SET
12/02/2024 CONSTRUCTION SET

REVISIONS:
1 10.14.2024 Client Comments
2 10.14.2024 City Comments
4 11.12.2024 Client Updates

TITLE:
SITE PLAN

SHEET NUMBER:

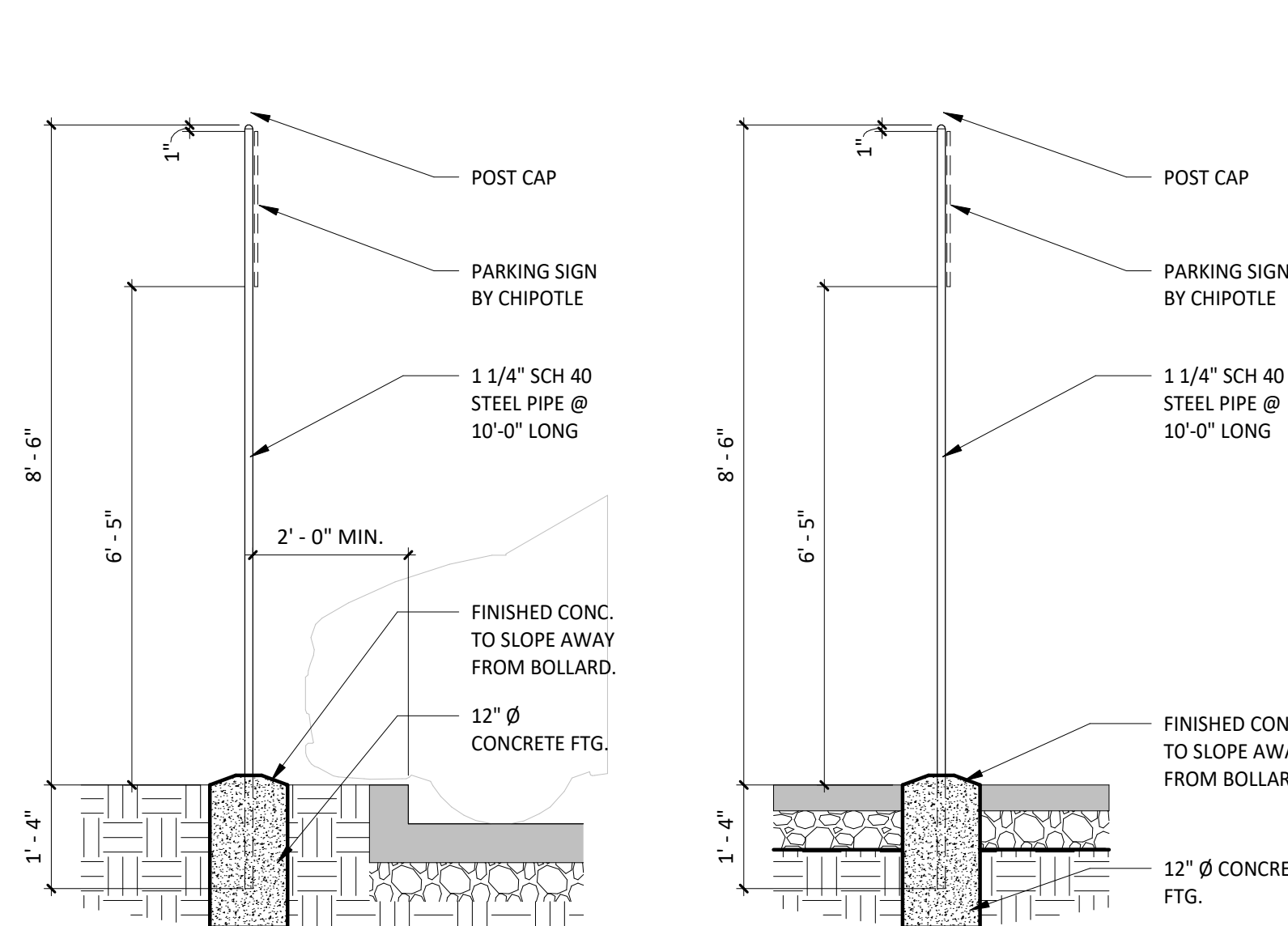
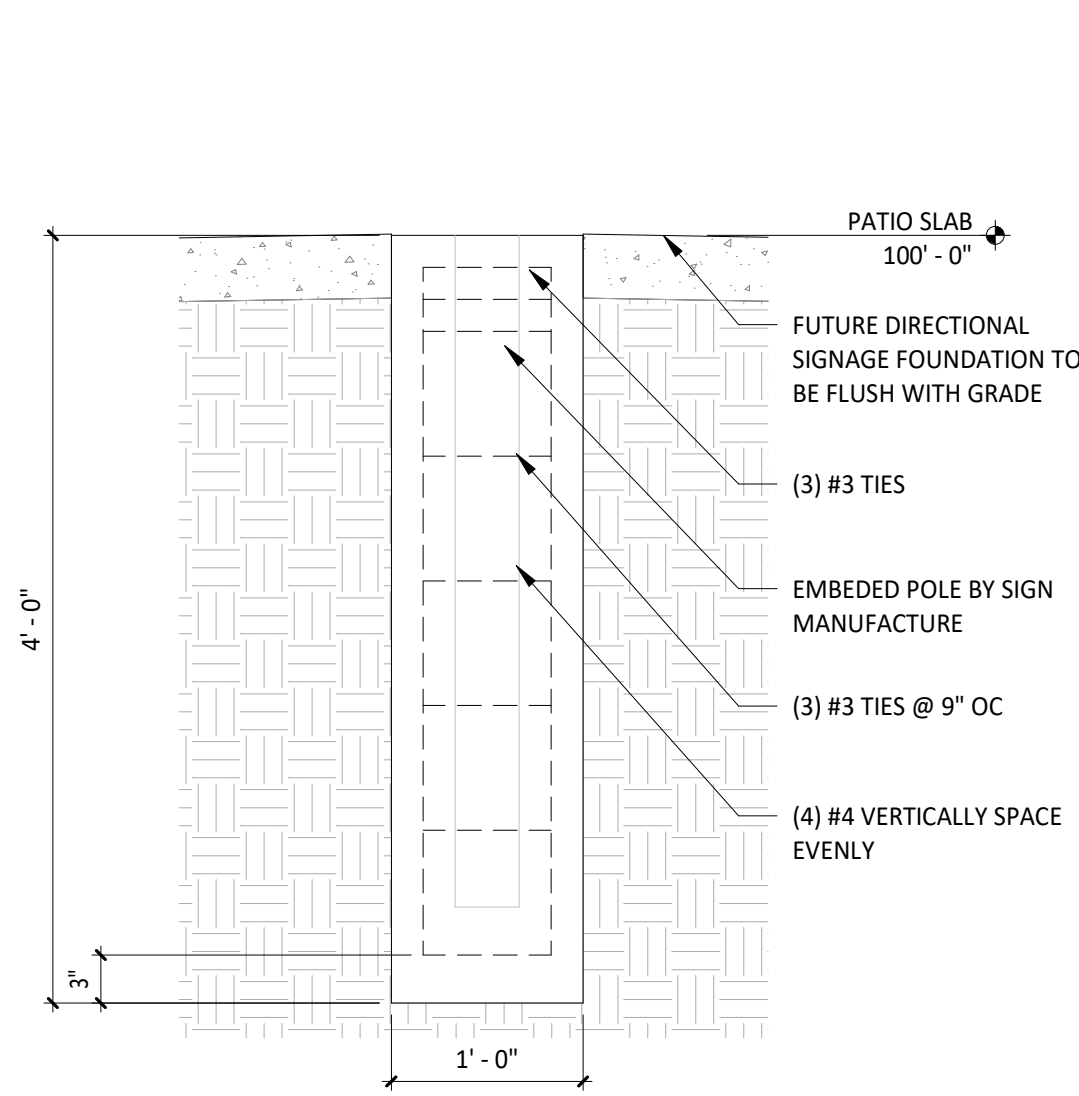
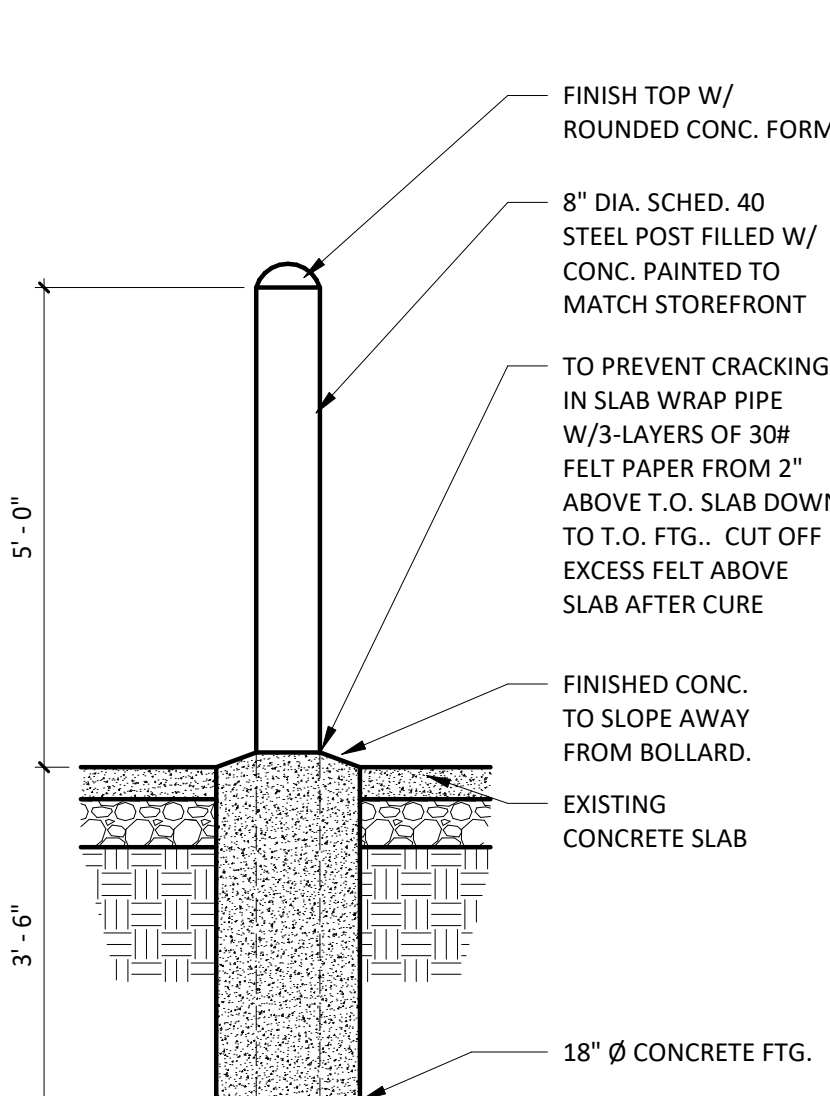
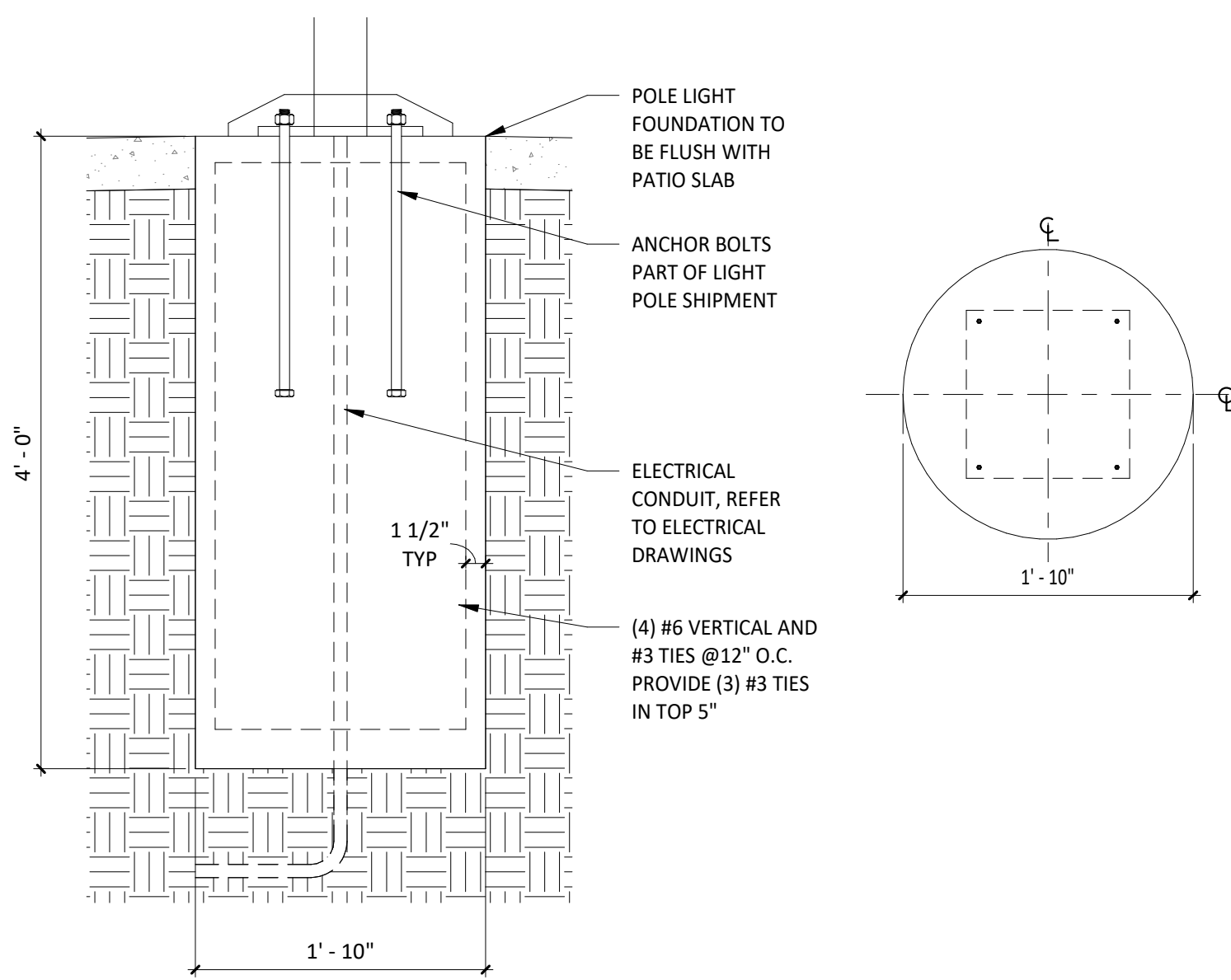
SP101



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

3 RAILING MOUNTING DETAIL
SCALE: 1" = 1'-0"

4 RAILING PLAN DETAIL
SCALE: 3" = 1'-0"



5 CLEARANCE POLE AND LIGHT POLE FOUNDATION
SCALE: 1" = 1'-0"

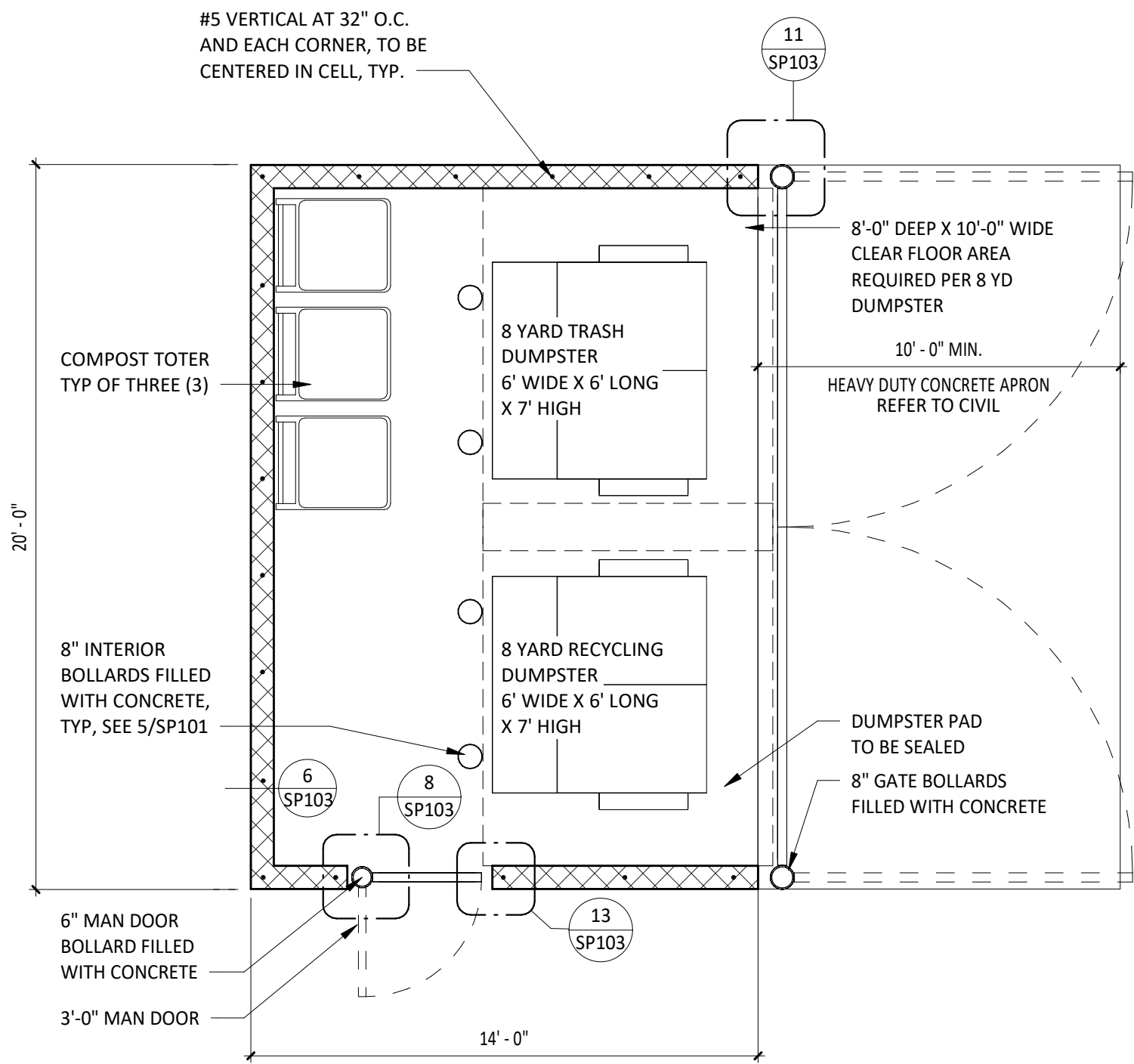
6 TYP. BOLLARD DETAIL
SCALE: 1/2" = 1'-0"

7 DIRECTIONAL SIGNAGE FOUNDATION
SCALE: 1" = 1'-0"

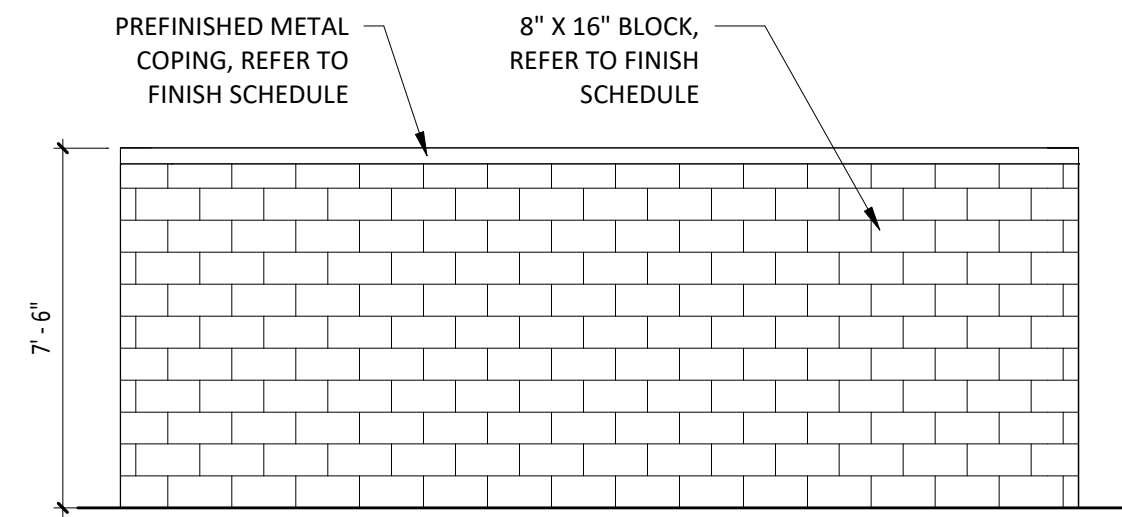
8 TYP. SIGN POST DETAIL
SCALE: 1/2" = 1'-0"

DUMPSTER ENCLOSURE FINISH SCHEDULE

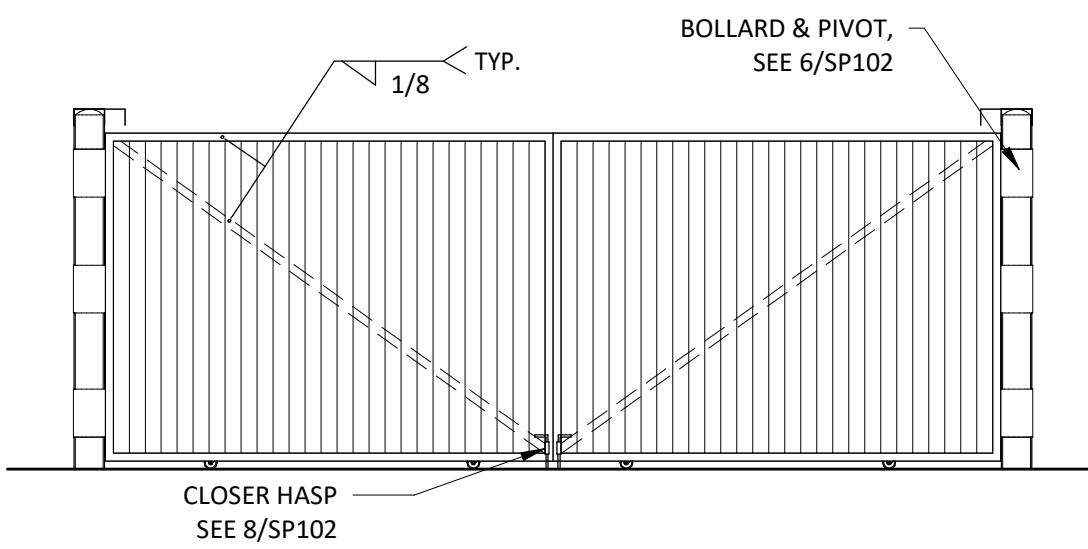
MATERIAL	COLOR/FINISH
CMU	PPG KNIGHTS ARMOR (REFER TO PAINT SPECIFICATIONS)
CMU - PRIMER	REFER TO PAINT SPECIFICATIONS
METAL COPING	PREFINISHED TO MATCH BUILDING
CORRUGATED METAL & DOOR FRAMES	PAINTED TO MATCH MAIN BUILDING STOREFRONT



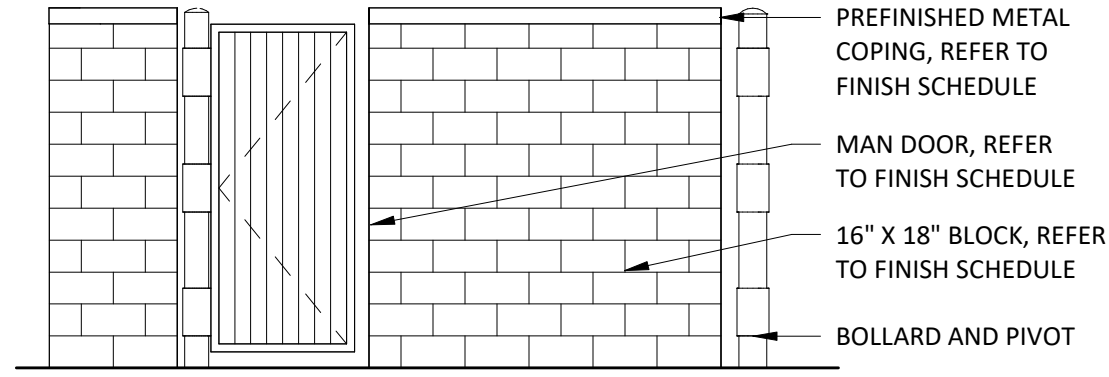
1 DUMPSTER PLAN
SCALE: 1/4" = 1'-0"



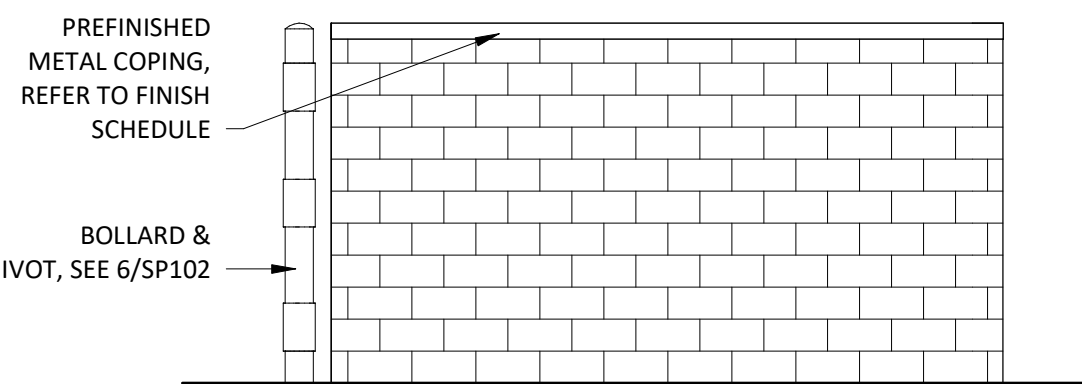
2 DUMPSTER ELEVATION
SCALE: 1/4" = 1'-0"



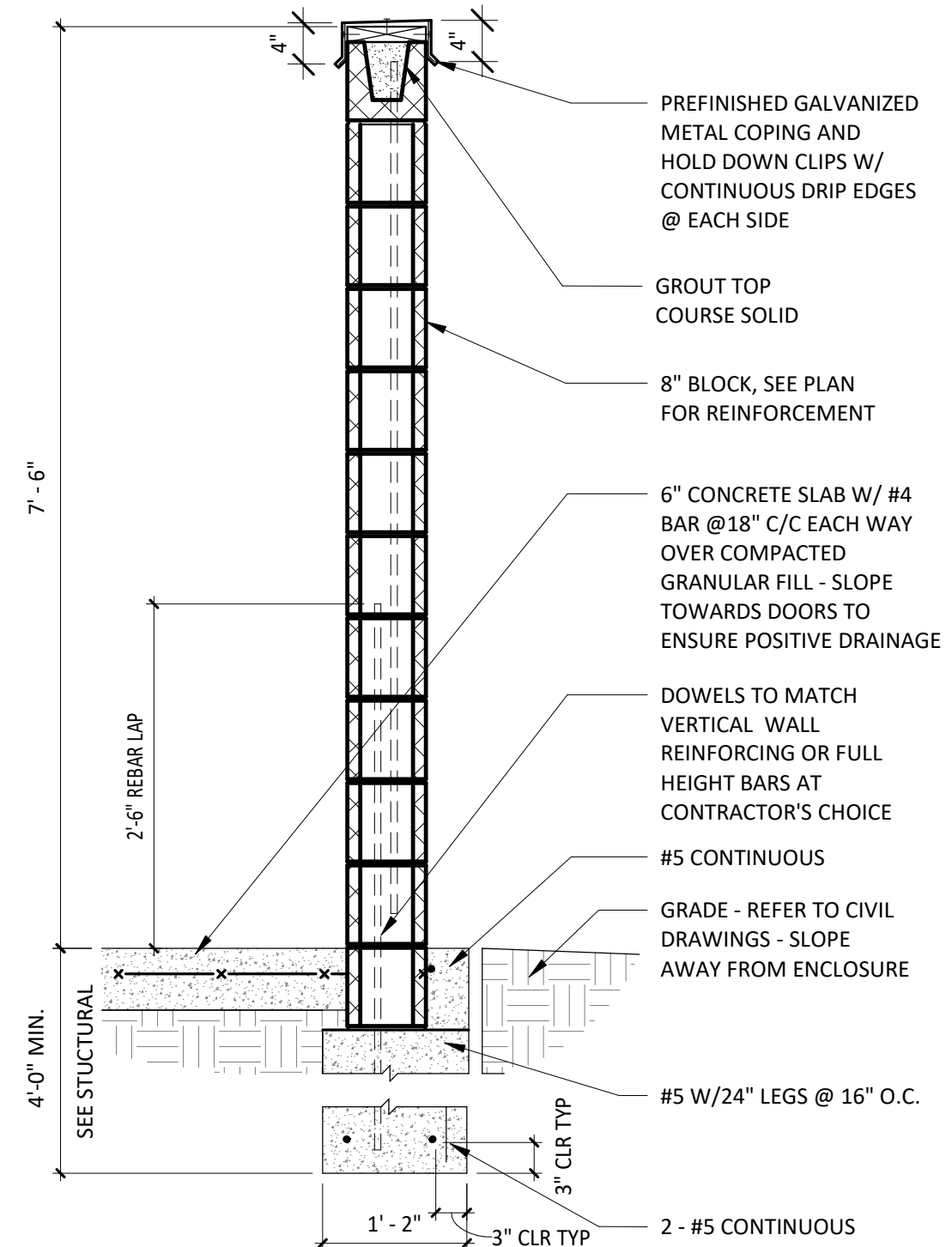
4 DUMPSTER ELEVATION
SCALE: 1/4" = 1'-0"



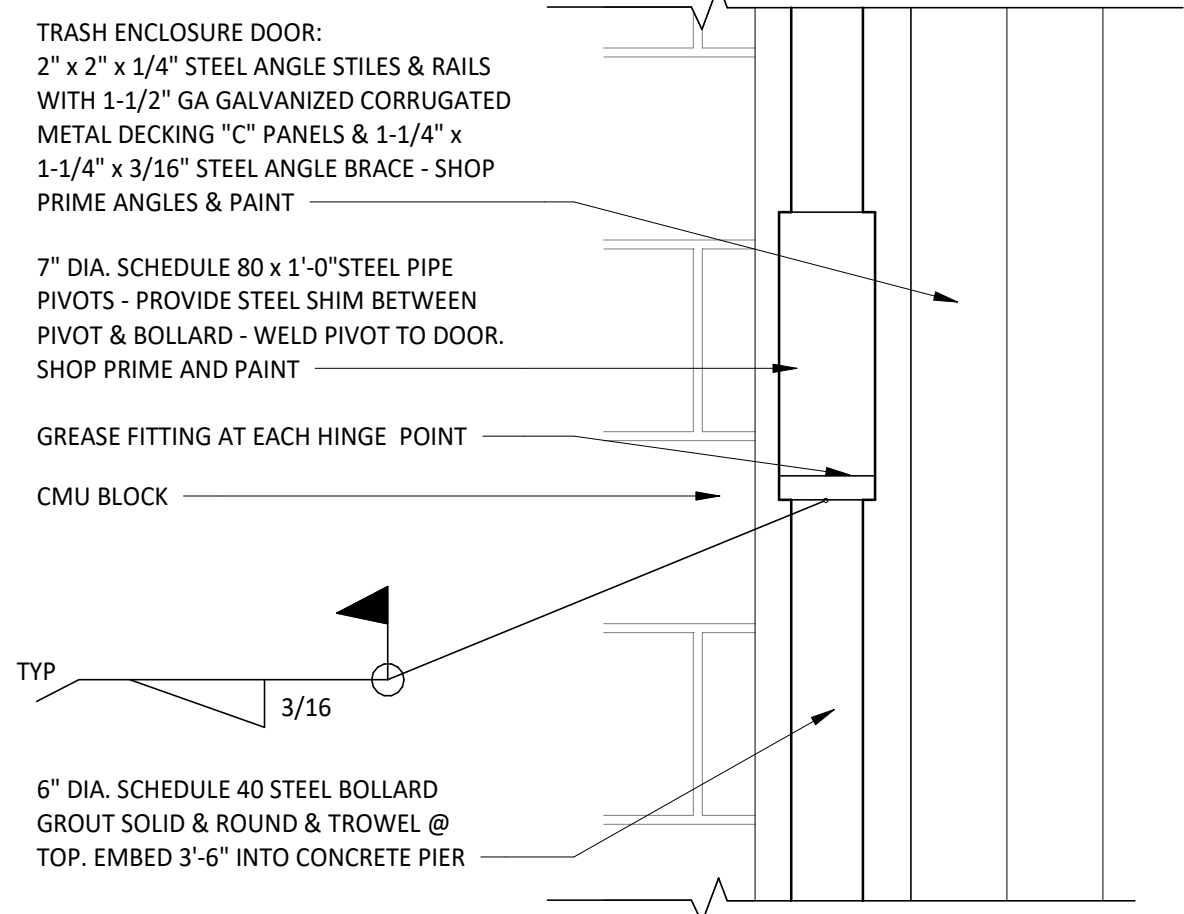
3 DUMPSTER ELEVATION
SCALE: 1/4" = 1'-0"



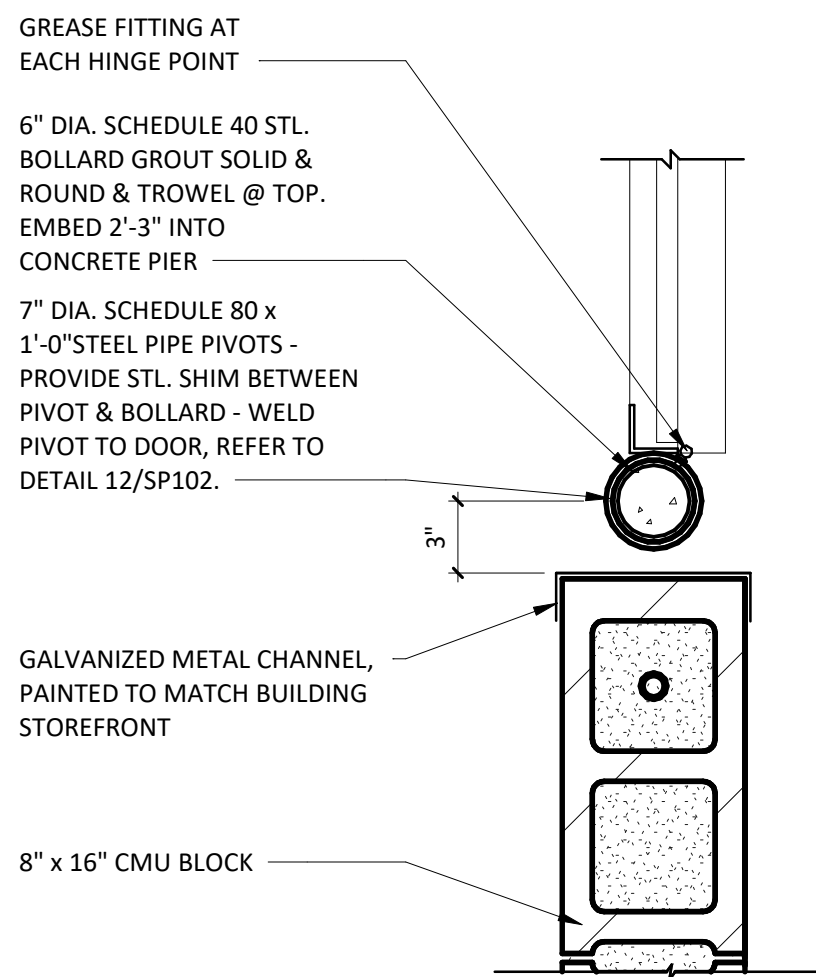
5 DUMPSTER ELEVATION
SCALE: 1/4" = 1'-0"



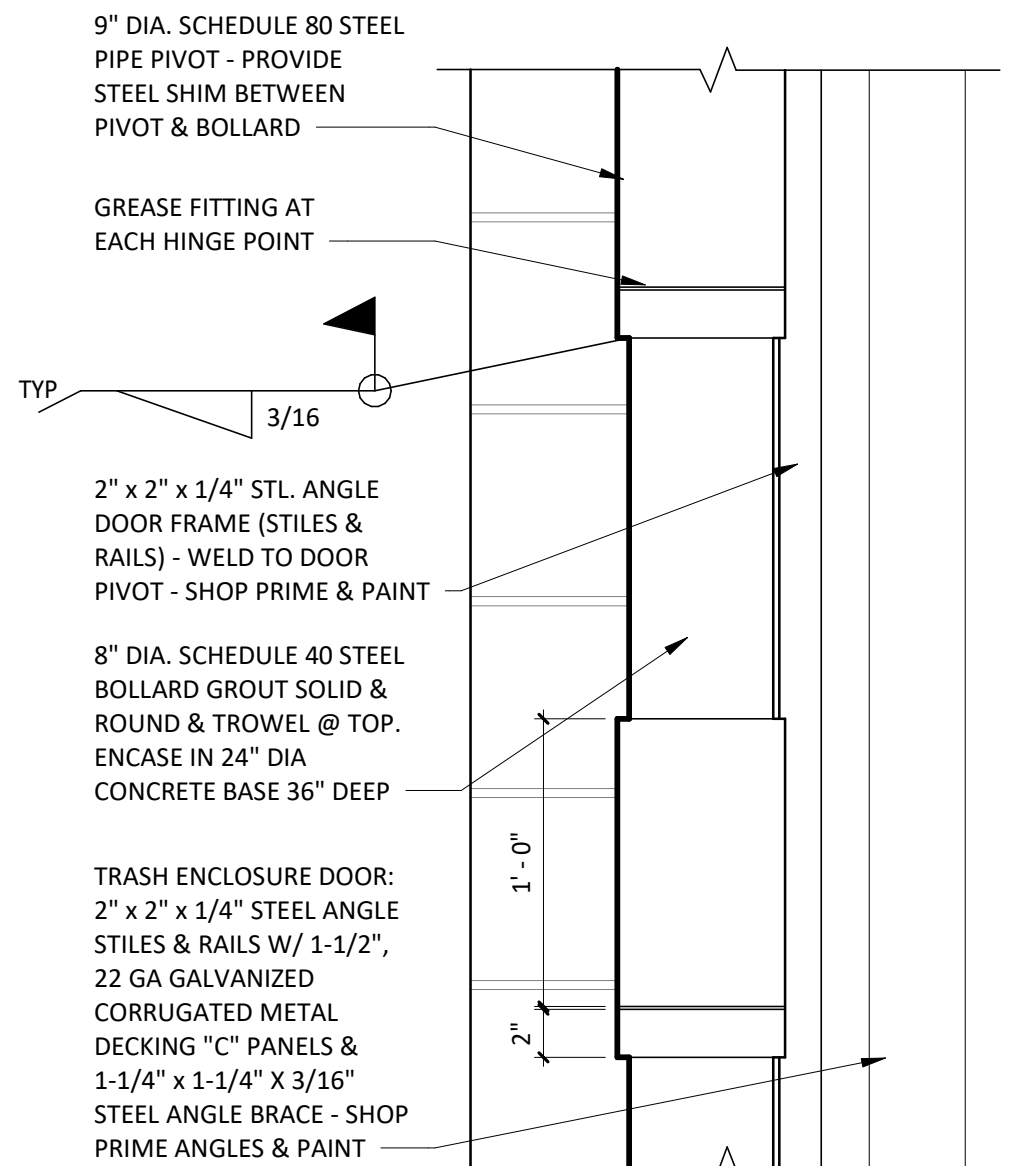
6 DUMPSTER DETAIL
SCALE: 3/4" = 1'-0"



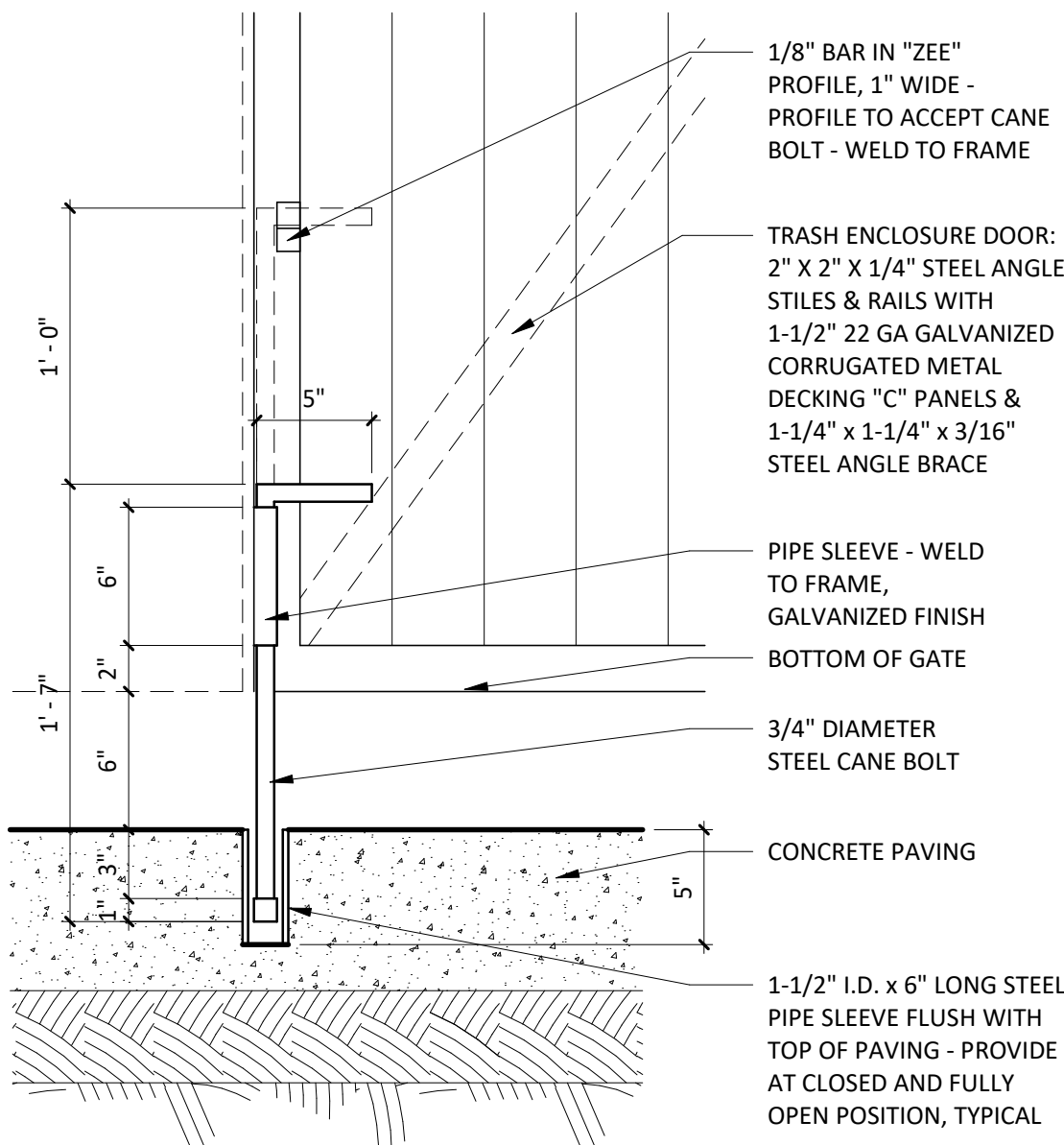
7 MAN DOOR PIVOT
SCALE: 1 1/2" = 1'-0"



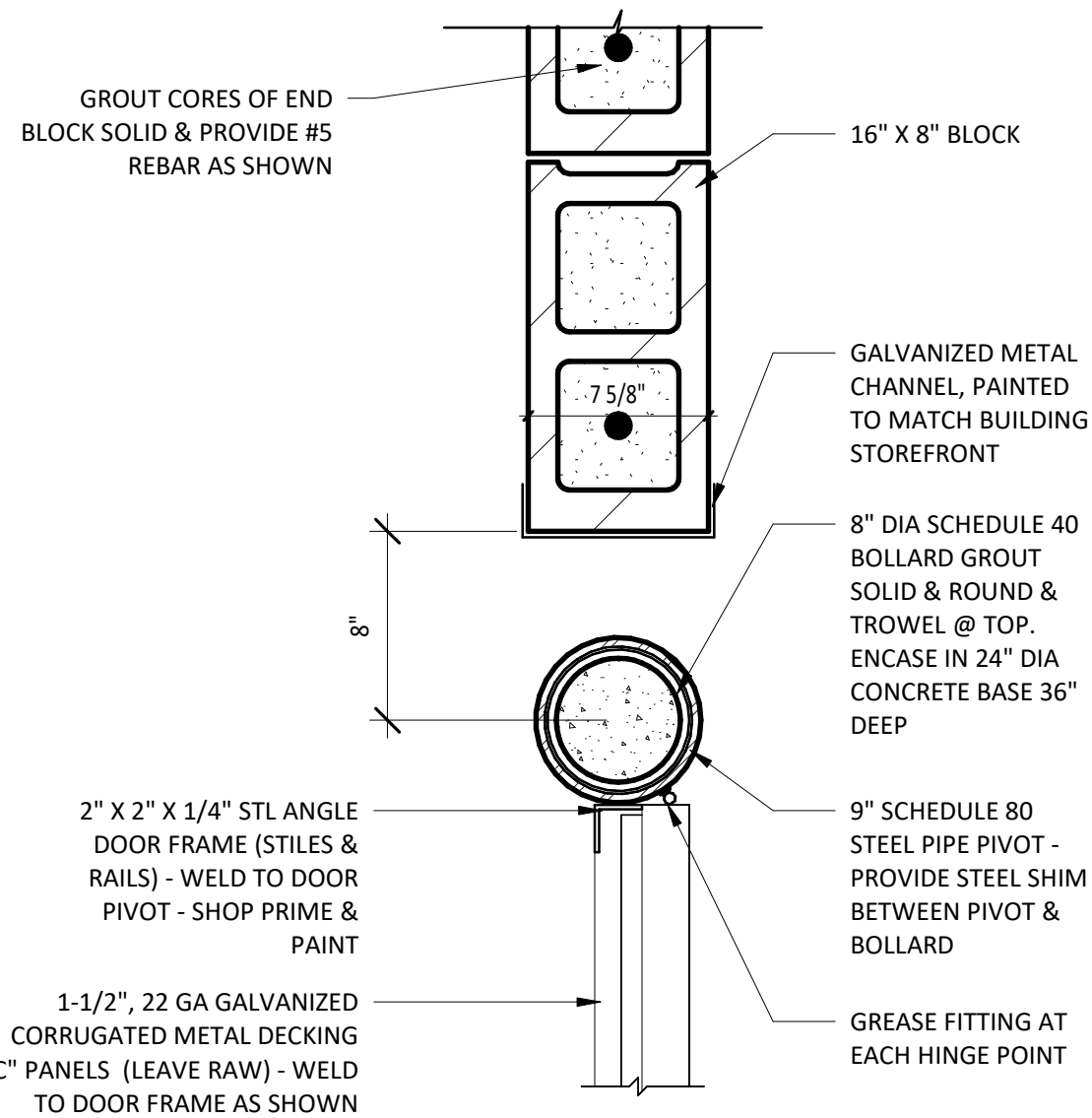
8 MAN DOOR PIVOT DETAIL
SCALE: 1 1/2" = 1'-0"



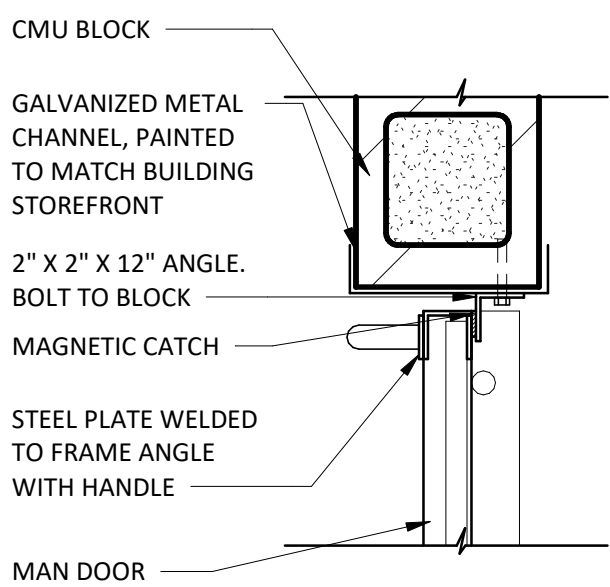
9 DUMPSTER DOOR PIVOT
SCALE: 1 1/2" = 1'-0"



10 TYPICAL CANE BOLT DETAIL
SCALE: 1 1/2" = 1'-0"



11 DUMPSTER WALL DETAIL
SCALE: 1 1/2" = 1'-0"



13 MAN DOOR LATCH DETAIL
SCALE: 1 1/2" = 1'-0"



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PROJECT INFORMATION:

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SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.
Matthew M. Wilku's LICENSE # 54678
DATE January 06, 2025

PROJECT NO. 2024-0266
DRAWN BY TRC
CHECKED BY DRL

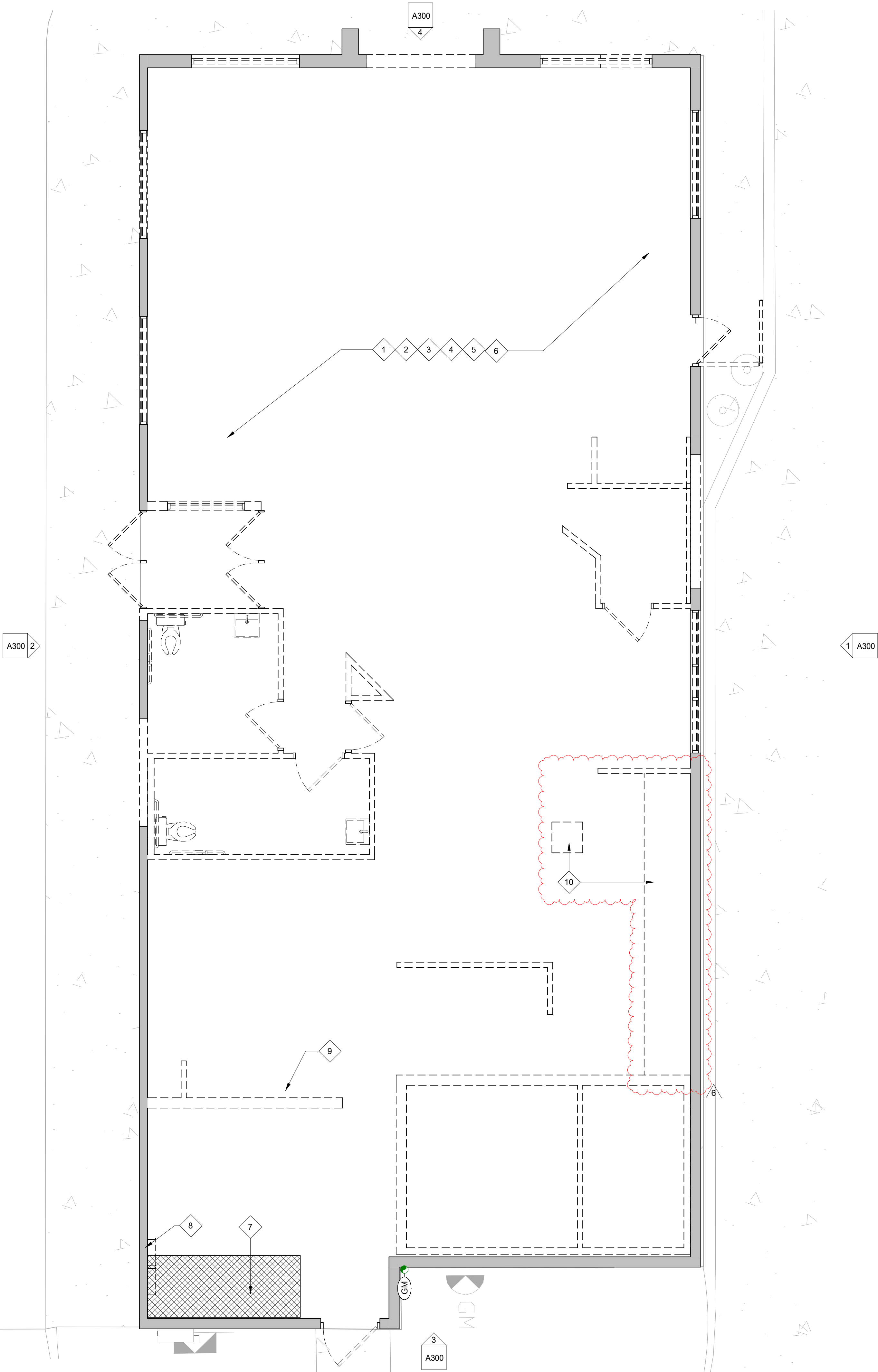
ISSUE RECORD:
09/17/2024 PERMIT SET
10/24/2024 BID SET
12/02/2024 CONSTRUCTION SET

REVISIONS:

TITLE:
DUMPSTER PLAN & DETAILS

SHEET NUMBER:

SP103



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

GENERAL NOTES - DEMO

- DEMOLISHED MATERIALS SHALL BECOME THE GENERAL CONTRACTOR'S PROPERTY AND SHALL BE REMOVED FROM THE SITE WITH FURTHER DISPOSITION AND RECYCLED BY THE GENERAL CONTRACTOR'S OPTION, UNLESS NOTED OTHERWISE.
- SURVEY THE CONDITION OF THE BUILDING TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF THE STRUCTURE OR ADJACENT STRUCTURES DURING SELECTIVE DEMOLITION.
- PERFORM SURVEYS AS THE WORK PROGRESSES TO DETECT HAZARDS RESULTING FROM SELECTIVE DEMOLITION ACTIVITIES.
- MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS.
- CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMAL INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES. REMOVE & TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. PROMPTLY DISPOSE OF DEMOLISHED AMTERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON SITE.
- PROVIDE TEMPORARY WEATHER PROTECTION, DURING INTERVAL BETWEEN DEMOLITION, REMOVAL OF EXISTING EXTERIOR CONSTRUCTION AND NEW CONSTRUCTION TO ENSURE THAT NO WATER DAMAGE OCCURS TO STRUCTURE OR INTERIOR AREAS.
- TOTAL SCOPE OF DEMOLITION MAY NOT BE COVERED ON THIS SHEET. REVIEW ALL SHEETS IN THIS DRAWING SET TO DETERMINE TOTAL SCOPE OF DEMOLITION.
- REMOVE & TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
- TRANSPORT DEMOLISHED MATERIALS OFF OWNER'S PROPERTY AND LEGALLY DISPOSE OF THEM.
- CLEAN ALL HORIZONTAL SURFACES OF ACCUMULATED DUST AND DEBRIS.
- ALL DEMOLITION ITEMS ON THIS SHEET TO BE PERFORMED BY CHIPOTLE'S GENERAL CONTRACTOR, UNLESS NOTED OTHERWISE.
- COORDINATE ALL DEMOLITION ACTIVITY WITH BUILDING OWNER'S REPRESENTATIVE. SOME DEMOLITION ACTIVITIES MAY BE REQUIRED TO BE PERFORMED ON PREMIUM TIME.
- CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS TO PROTECT ALL ADJACENT AND REMAINING BUIDLING COMPONENTS.
- EXISTING FOUNDATIONS TO BE PROTECTED AND UNDISTURBED. UNLESS OTHERWISE NOTED.
- ALL SALVAGED ITEMS, INCLUDING BUT NOT LIMITED TO LINES, ELECTRICAL PANELS, MAIN COPPER CONDUIT, ETC. SHALL BE CAREFULLY DISASSEMBLED/DISCONNECTED AND STORED IN A SECURE LOCATION FOR POSSIBLE REUSE.
- IDENTIFIED SELECTIVE DEMOLITION IS FOR REFERENCE ONLY. ADDITIONAL DEMOLITION MAY BE REQUIRED TO ACCOMMODATE NEW LAYOUT; REFER TO NEW WORK PLANS AND ELEVATIONS. ALL DIMENSIONS SHOWN SHOULD BE VERIFIED IN THE FIELD.
- MAINTAIN EXISTING SPRAY-ON FIREPROOFING OF EXISTING STRUCTURE AND FIRE RATED ASSEMBLIES. ANY COMPROMISE OF EXISTING FIRE RATING SHALL BE PATCHED AND REPAIRED TO ORIGINAL CONDITION.
- ANY EXISTING FINISHED SURFACES TO REMAIN THAT ARE AFFECTED BY SELECTIVE DEMOLITION SHALL BE PATCHED TO MATCH EXISTING ADJACENT SURFACES UNLESS CONCEALED BY NEW CONSTRUCTION.
- UTILITIES ABANDONED SHALL BE REMOVED AND CAPPED BEHIND FINISHED SURFACES.
- IN SHARED SPACES WITH OTHER TENANTS, SEAL ALL INTAKE AND EXHAUST AIR PRIOR TO DEMOLITION.
- ALL EXISTING EXTERIOR DOORS, FRAMES AND STOREFRONT TO REMAIN, UNLESS OTHERWISE NOTED.

KEYNOTE LEGEND

1	ALL EXISTING INTERIOR WALLS AND DOORS TO BE REMOVED, PATCH AND REPAIR EXTERIOR WALL AS NEEDED.
2	EXISTING FLOOR FINISHES TO BE REMOVED, TRENCH AND PATCH AS NEEDED FOR NEW UTILITIES.
3	ALL EXISTING INTERIOR FINISHES TO BE REMOVED, PATCH AND REPAIR TO A LEVEL 4 FINISH.
4	ALL EXISTING PLUMBING FIXTURES AND UTILITY LINES TO BE REMOVED BACK TO ATTACHMENT POINT .
5	ALL EXISTING STOREFRONT TO BE REMOVED, SEE DEMO EXTERIOR ELEVATIONS FOR MORE INFORMATION.
6	ALL EXISTING ACT AND GYP. CEILINGS TO BE REMOVED.
7	LOCATION OF EXISTING SHIPS LADDER, TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.
8	EXISTING ELECTRICAL PANELS TO BE REMOVED, NEW PANELS WILL BE INSTALLED AT EXISTING LOCATIONS.
9	EXISTING INTERNAL GREASE INTERCEPTOR TO BE REMOVED.
10	SAW CUT SLOPED EXISTING CONCRETE, GC FIELD VERIFY LOCATIONS PRIOR TO DEMO AND PREP FOR NEW CONCRETE.

CONSULTANT:



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PROJECT INFORMATION:

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SEAL:

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

Matthew M. Wilkus LICENSE # 54678

DATE January 06, 2025

PROJECT NO. 2024-0266
DRAWN BY TRC
CHECKED BY DRL

ISSUE RECORD:
09/17/2024 PERMIT SET
10/24/2024 BID SET
12/02/2024 CONSTRUCTION SET

REVISIONS:

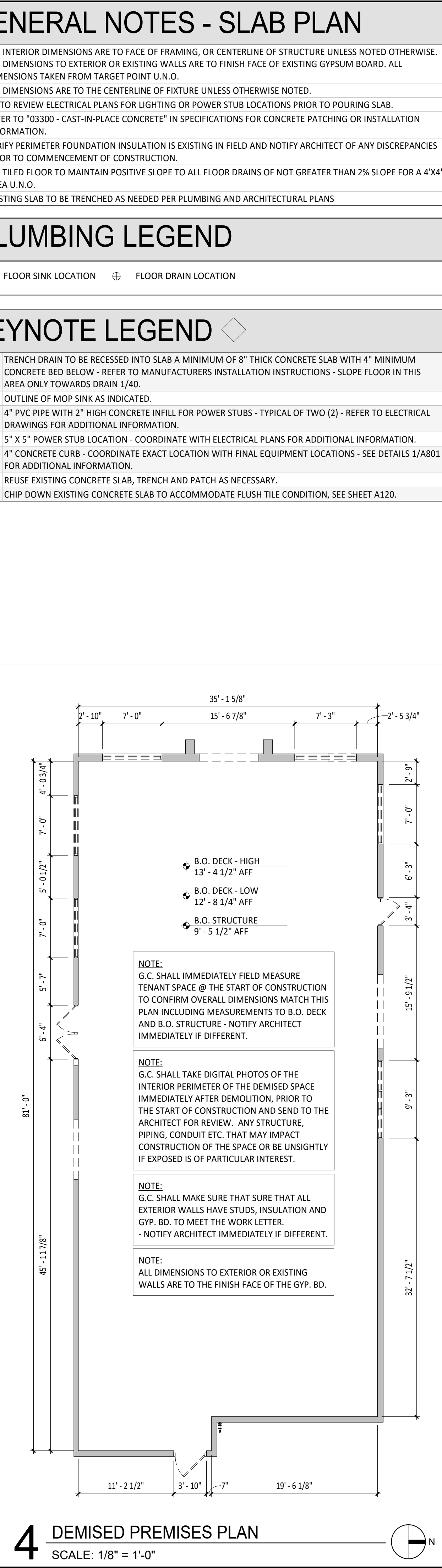
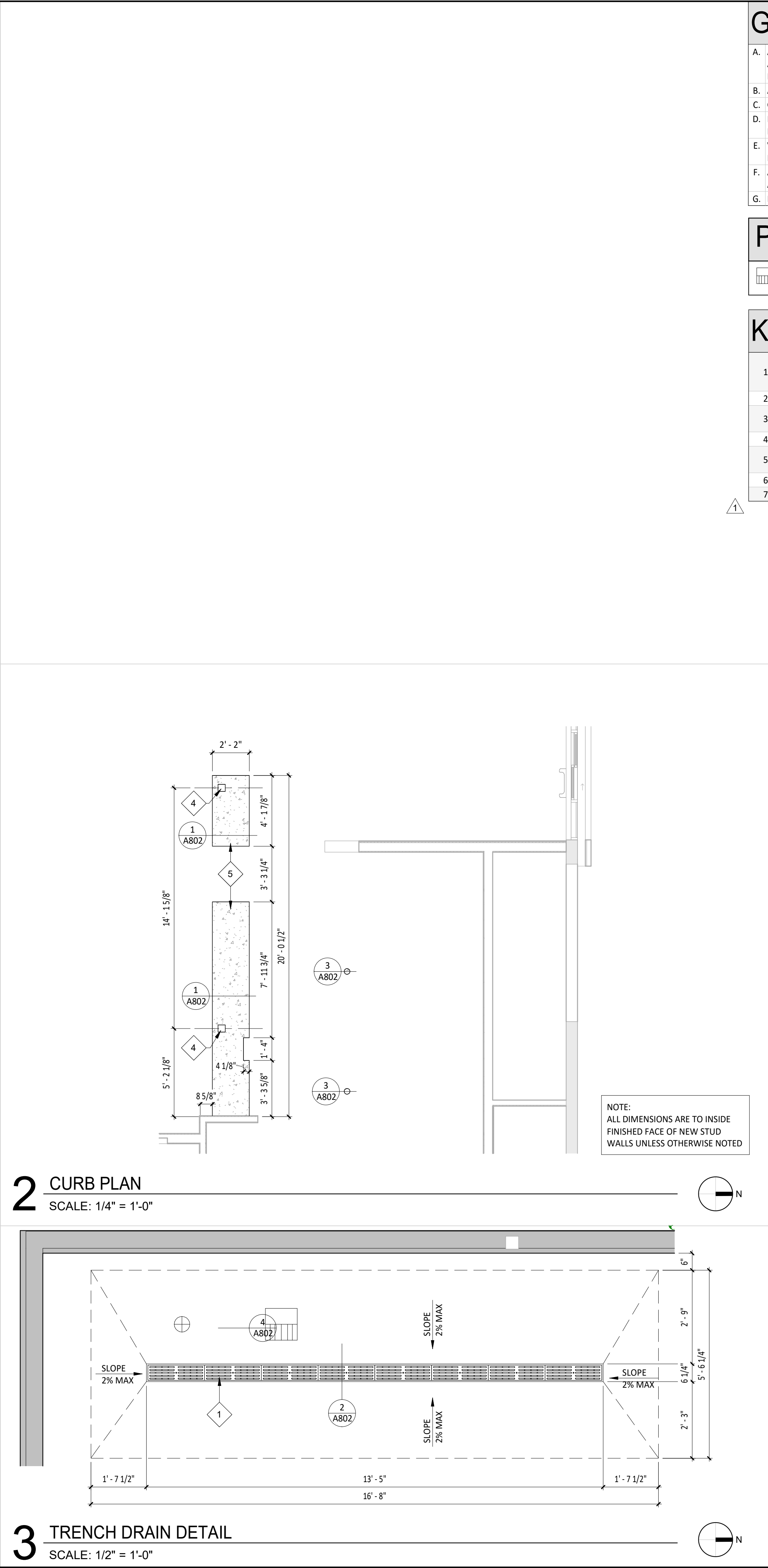
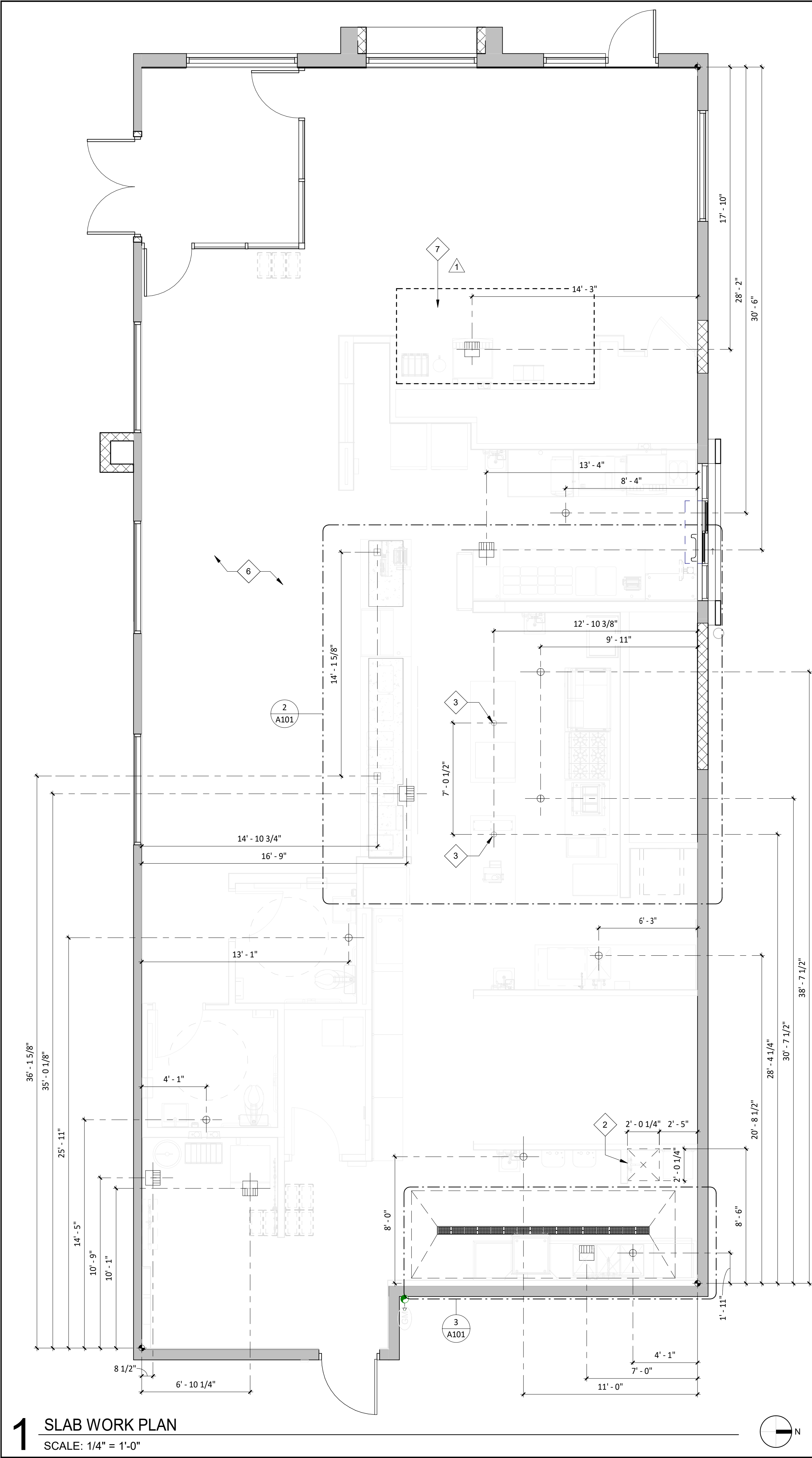
6 01.06.2025 CB-01

TITLE:

DEMOLITION FLOOR PLAN

SHEET NUMBER:

A100



GENERAL NOTES - SLAB PLAN

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

PLUMBING LEGEND

FLOOR SINK LOCATION FLOOR DRAIN LOCATION

KEYNOTE LEGEND

- 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 - SLOPE FLOOR IN THIS AREA ONLY TOWARDS DRAIN 1/40.
- OUTLINE OF MOP SINK AS INDICATED.
- 4" PVC PIPE WITH 2" HIGH CONCRETE INFILL FOR POWER STUBS - TYPICAL OF TWO (2) - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 5" X 5" POWER STUB LOCATION - COORDINATE WITH ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- 4" CONCRETE CURB - COORDINATE EXACT LOCATION WITH FINAL EQUIPMENT LOCATIONS - SEE DETAILS 1/A801 FOR ADDITIONAL INFORMATION.
- REUSE EXISTING CONCRETE SLAB, TRENCH AND PATCH AS NECESSARY.
- CHIP DOWN EXISTING CONCRETE SLAB TO ACCOMMODATE FLUSH TILE CONDITION, SEE SHEET A120.



CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
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PROJECT INFORMATION:

STORE NO.: #5558
"OWATONNA"
135 ALLAN AVE
OWATONNA, MN 55060

SEAL:

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

Matthew M. Wilkus LICENSE # 54678

DATE January 06, 2025

PROJECT NO. 2024-0266

DRAWN BY TRC

CHECKED BY DRL

ISSUE RECORD:

09/17/2024 PERMIT SET

10/24/2024 BID SET

12/02/2024 CONSTRUCTION SET

REVISIONS:

1 10.14.2024 Client Comments

TITLE:

SLAB WORK PLAN

SHEET NUMBER:

A101

GENERAL NOTES - FLOOR PLAN

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

WALL TYPE LEGEND

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

KEYNOTE LEGEND

- 1 WHERE GREASE EXHAUST HOOD INTERSECTS WALLS. PROVIDE 24 GAUGE GALVANIZED METAL FROM TOP OF WALL TO 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 DRYER VENTS IN WALL FOR SODA LINES ROUTED ABOVE 4" PVC PIPES. REFER TO A801 FOR ADDITIONAL INFORMATION.
- 5 DASHED LINES INDICATE LOCATION OF SOFFIT ABOVE, REFER TO A201 FOR ADDITIONAL INFORMATION.
- 6 DASHED LINES INDICATE LOCATION OF SOFFIT WALL TO DECK ABOVE. REFER TO A201 FOR ADDITIONAL INFORMATION.
- 7 EDGE OF GYPSUM BOARD CEILING ABOVE, REFER TO A 201 FOR DETAILS.
- 8 PROVIDE MOUNTING BOARDS FOR SECURITY SYSTEMS AND TELECOMS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 9 PROVIDE 25 GAUGE GALVANIZED METAL TO 50 1/2" AFF.
- 10 PROVIDE IN-WALL BLOCKING FOR LICENSE FRAME AS REQUIRED.
- 11 HATCH LOCATED WITHIN WALLS AS SHOWN INDICATES THAT TOP OF FRAMING IS TO NOT EXCEED 10'-0" AFF.
- 12 NEW EIFS WALL TO ALIGN WITH EXISTING OPENING.
- 13 CENTER NEW ENTRY DOORS ON EXISTING WINDOW OPENING AND FILL IN WALL AS NEEDED.
- 14 NEW WOOD POSTS TO REINFORCE EXISTING WOOD TRUSSES, REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION.



CLIENT:

PROJECT INFORMATION:

STORE NO.: #5558

"OWATONNA"

135 ALLAN AVE

OWATONNA, MN 55060

SEAL:

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

Matthew M. Wilkus LICENSE # 54678

DATE January 06, 2025

PROJECT NO. 2024-0266

DRAWN BY TRC

CHECKED BY DRL

ISSUE RECORD:

09/17/2024 PERMIT SET

10/24/2024 BID SET

12/02/2024 CONSTRUCTION SET

REVISIONS:

1 10.14.2024 Client Comments

6 01.06.2025 CB-01

TITLE:

ARCHITECTURAL FLOOR PLAN

SHEET NUMBER:

A110

1 ARCHITECTURAL FLOOR PLAN

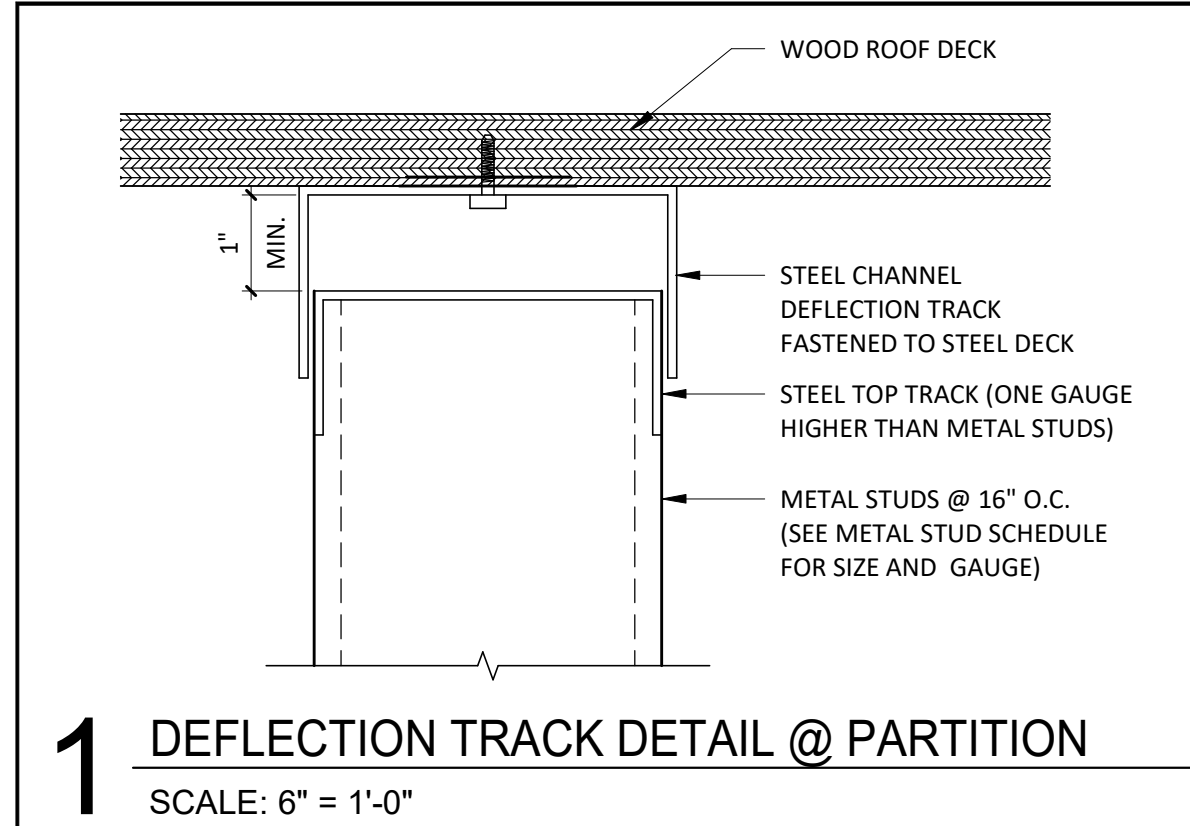
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2 DIMENSIONED FLOOR PLAN

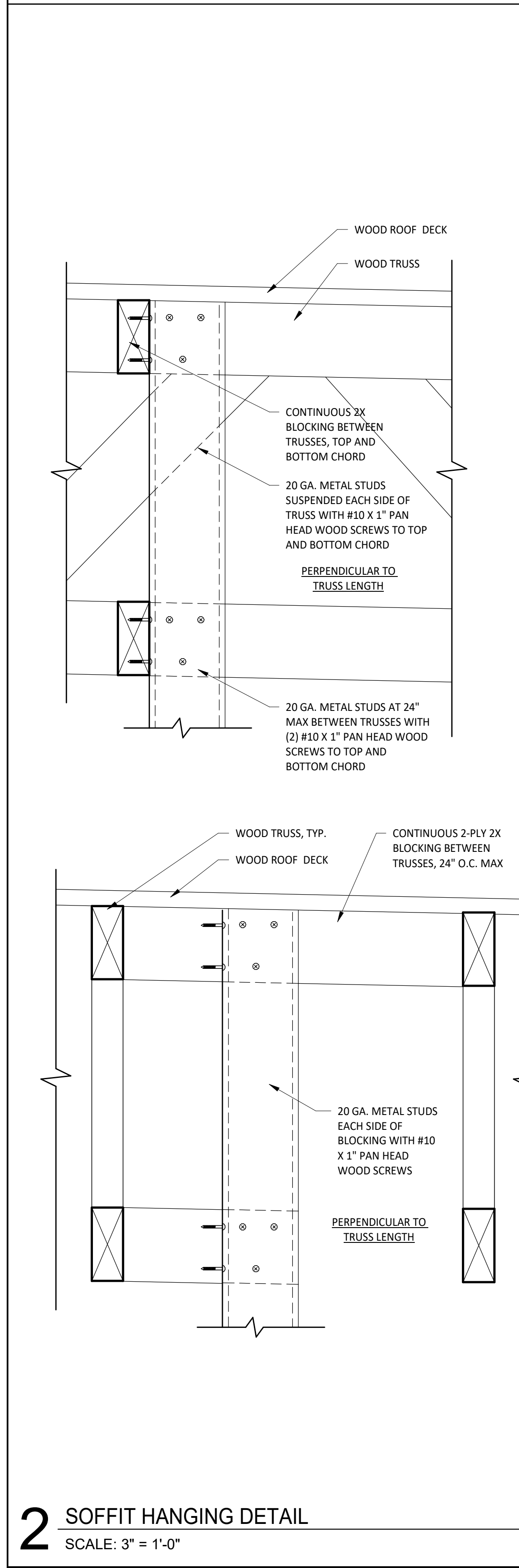
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3 ENLARGED UTENSIL/MOPUS PLAN

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

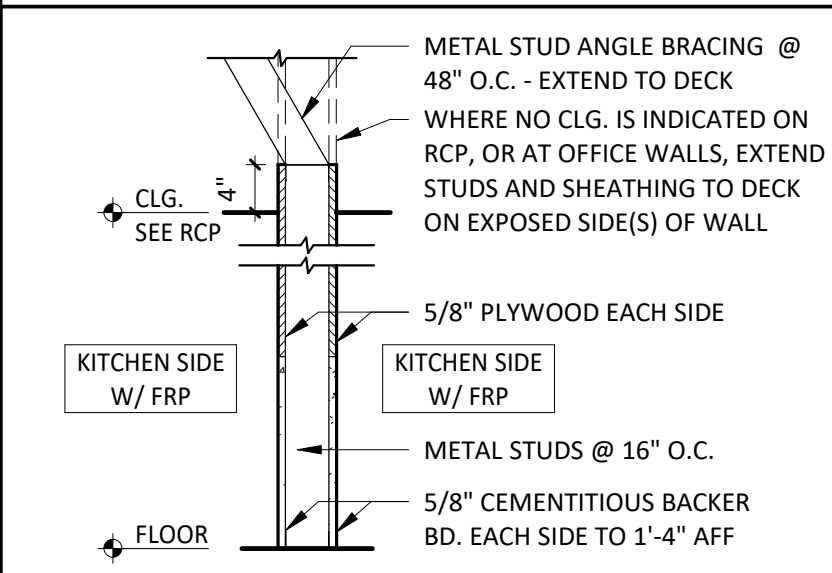


1 DEFLECTION TRACK DETAIL @ PARTITION
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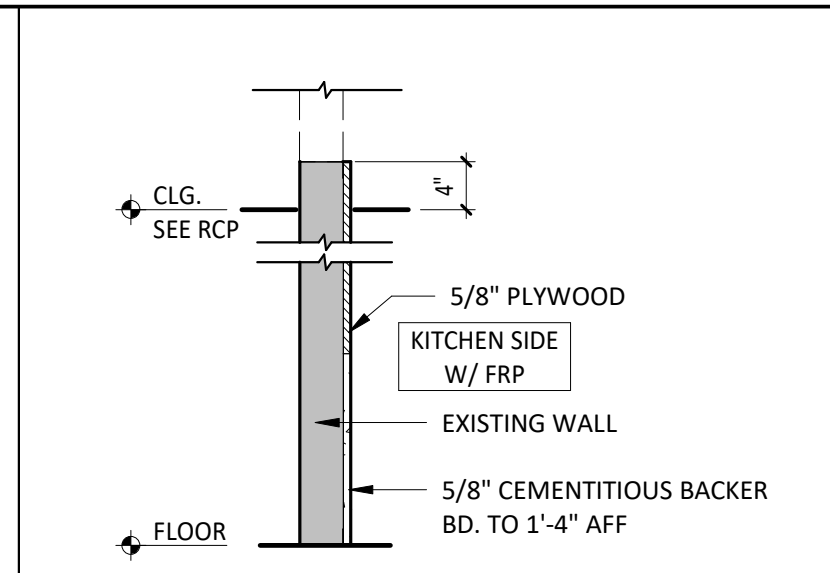


2 SOFFIT HANGING DETAIL
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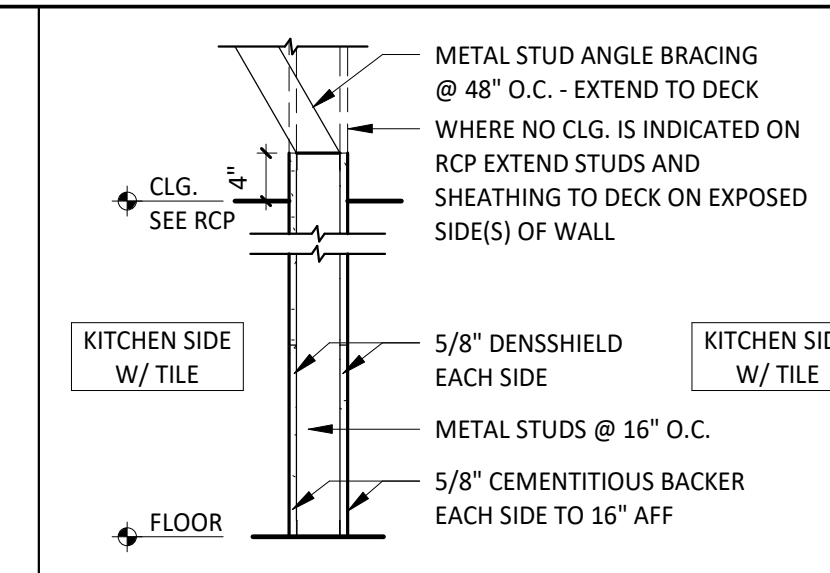
WALL TYPES



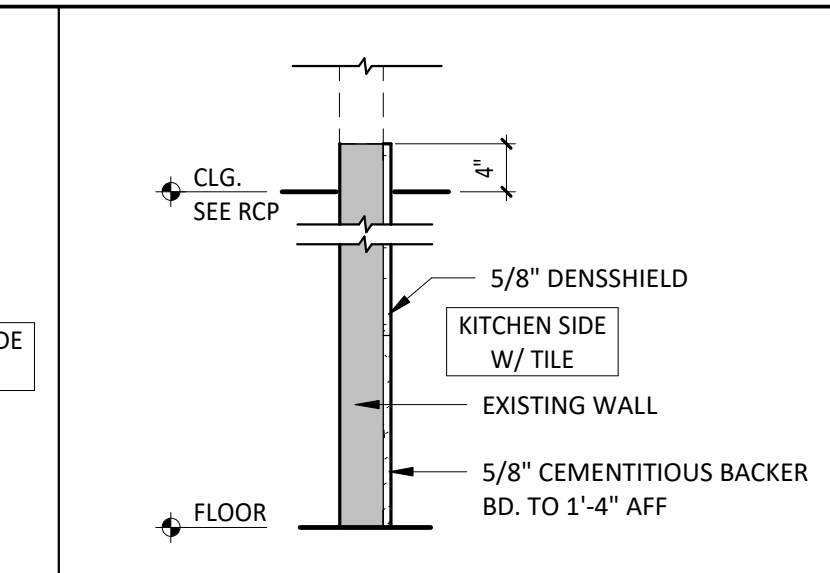
W1 INTERIOR PARTITION
W1a INTERIOR PARTITION (1-SIDE ONLY)



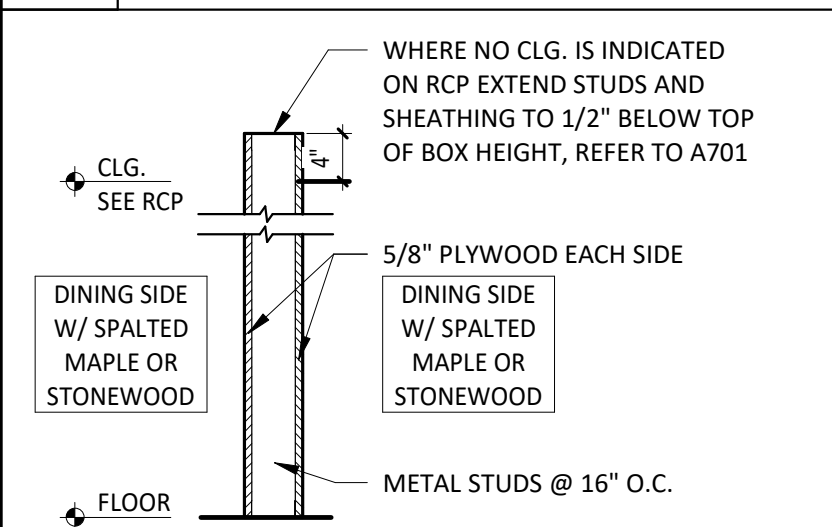
W1ax INTERIOR PARTITION (SUBSTRATE ONLY)



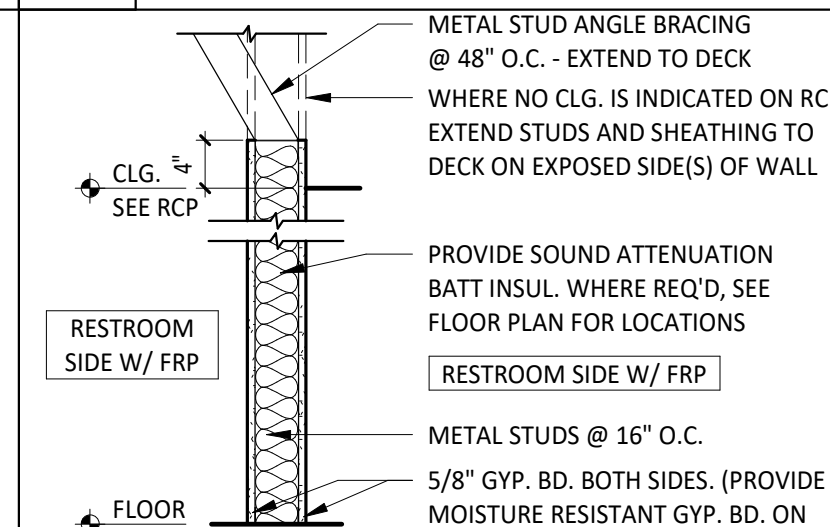
W3 INTERIOR PARTITION (NOT USED)
W3a INTERIOR PARTITION (1-SIDE ONLY)



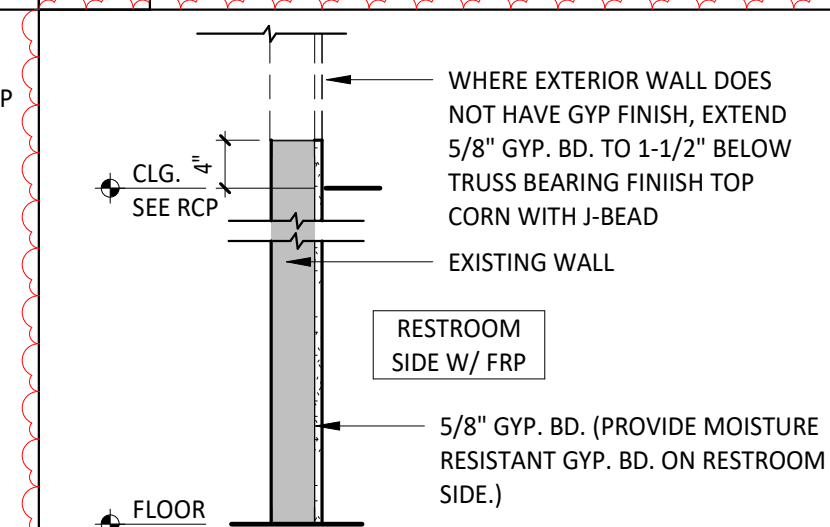
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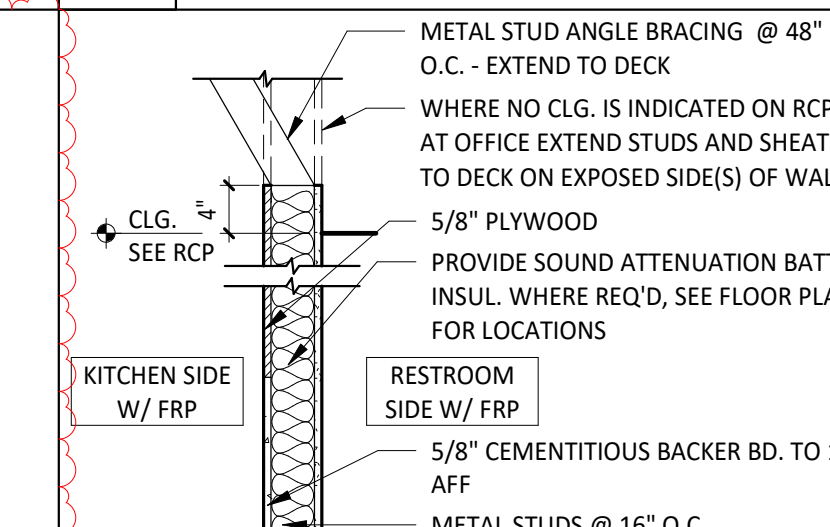
W4 INTERIOR PARTITION (NOT USED)
W4a INTERIOR PARTITION (1-SIDE ONLY)



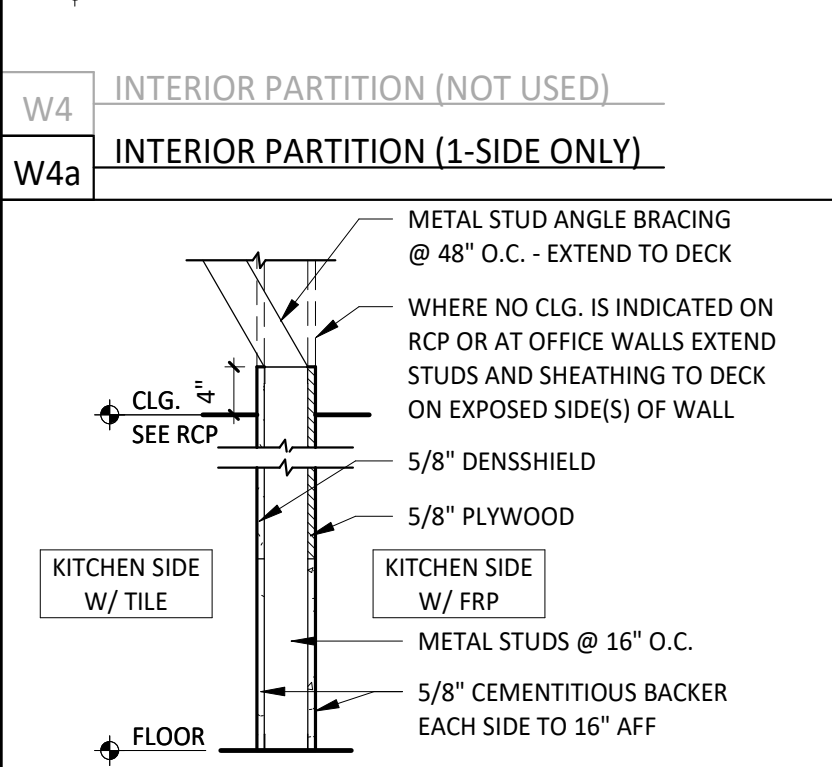
W5 INTERIOR PARTITION
W5a INTERIOR PARTITION (1-SIDE ONLY)



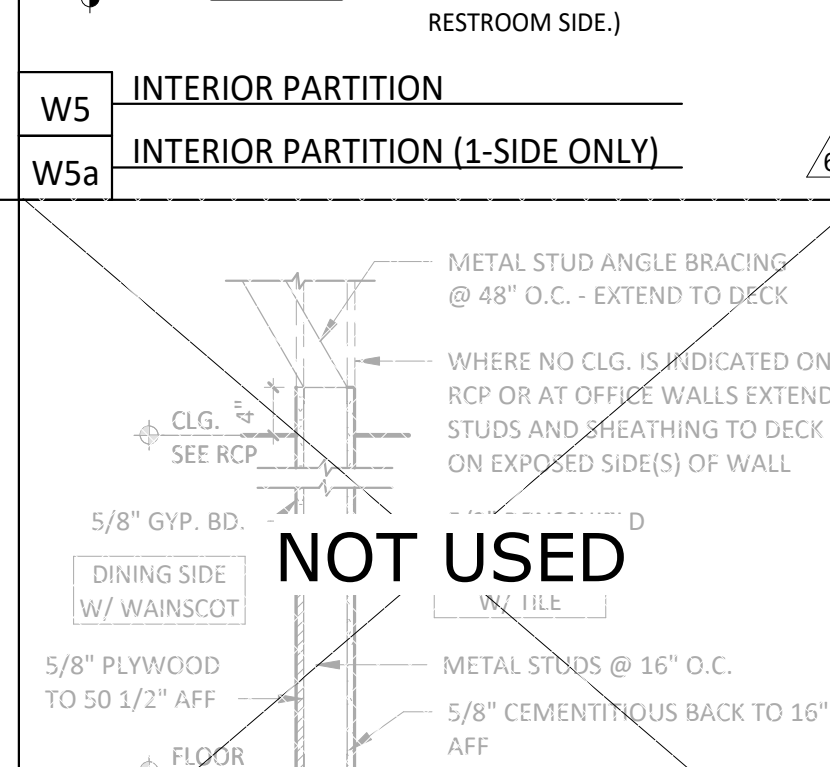
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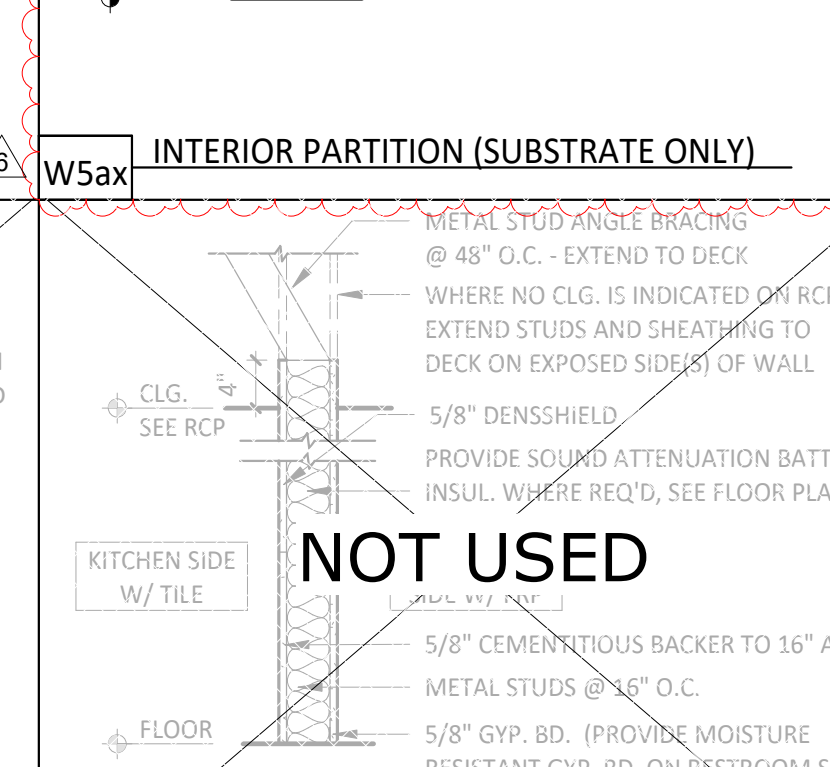
W6 INTERIOR PARTITION



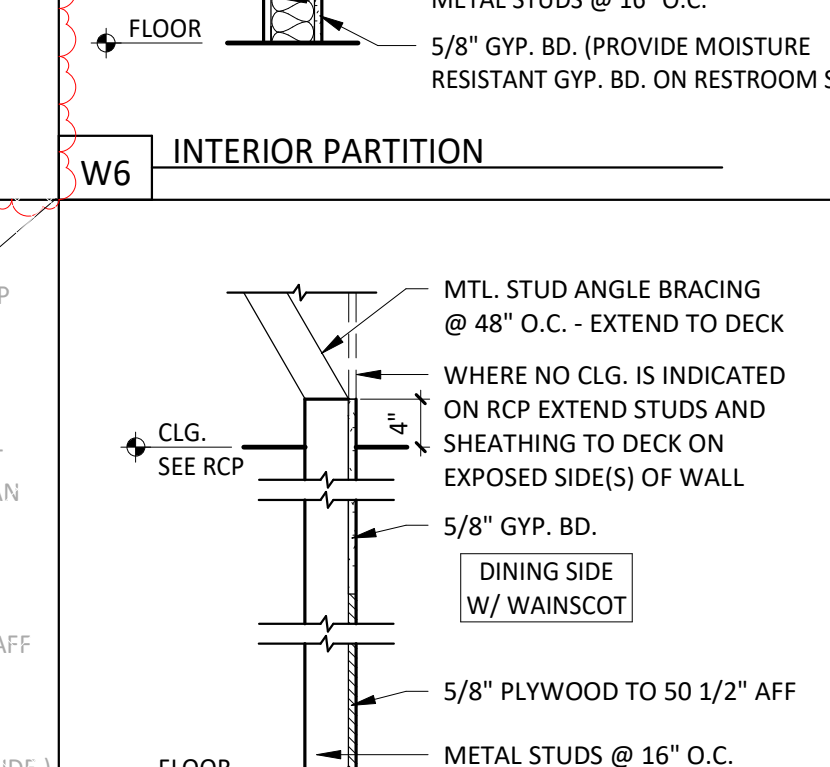
W7 INTERIOR PARTITION



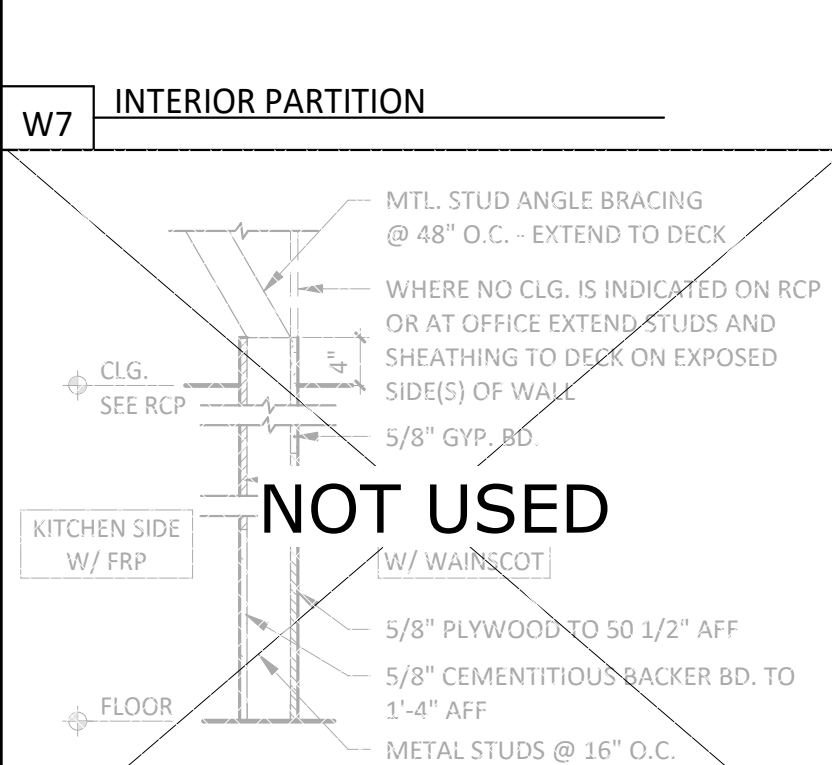
W8 INTERIOR PARTITION



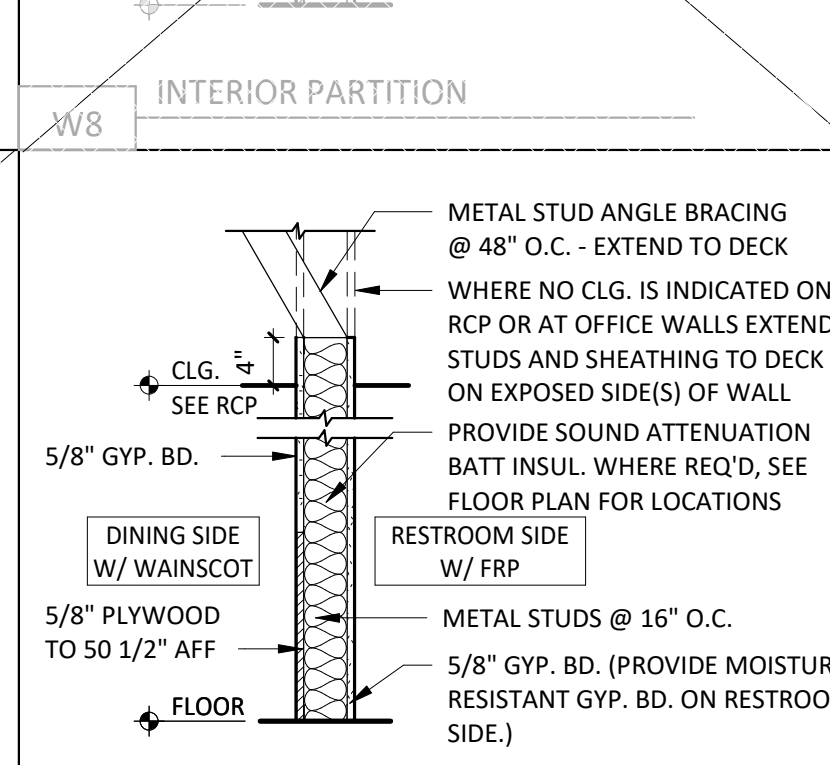
W9 INTERIOR PARTITION



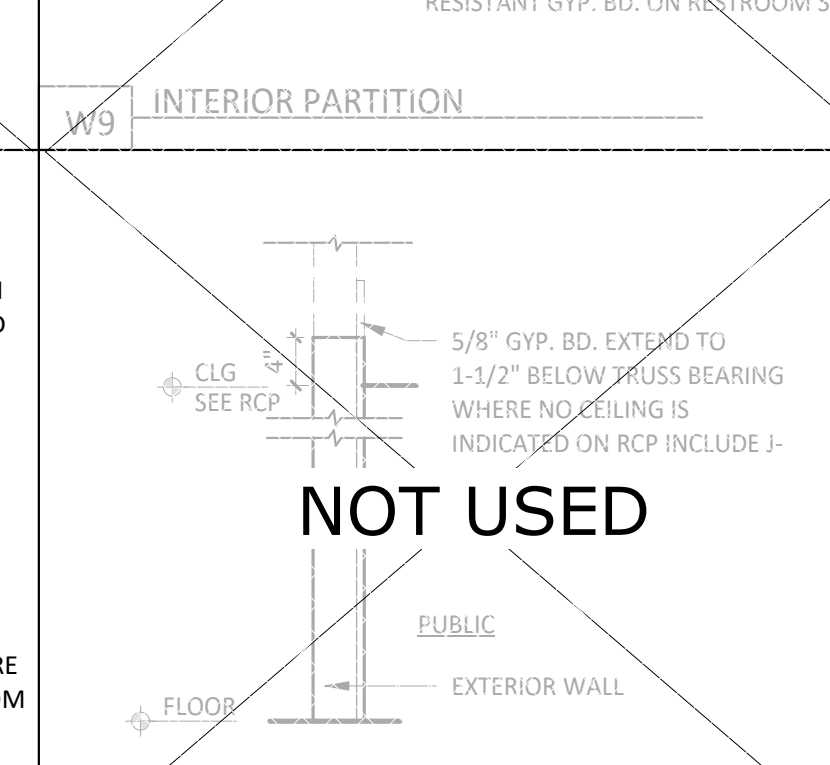
W10a INTERIOR PARTITION



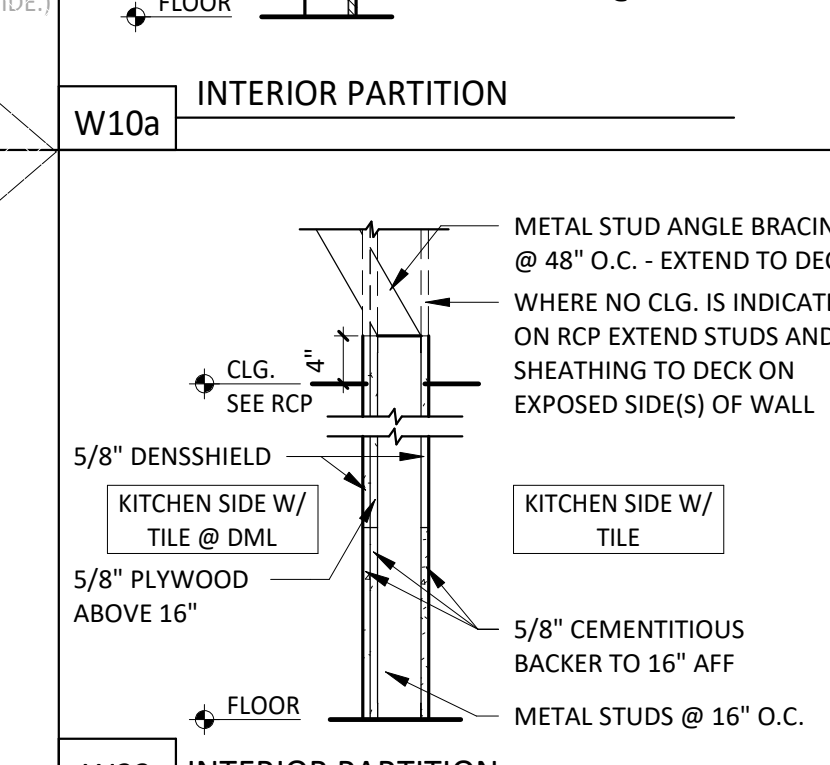
W11 INTERIOR PARTITION



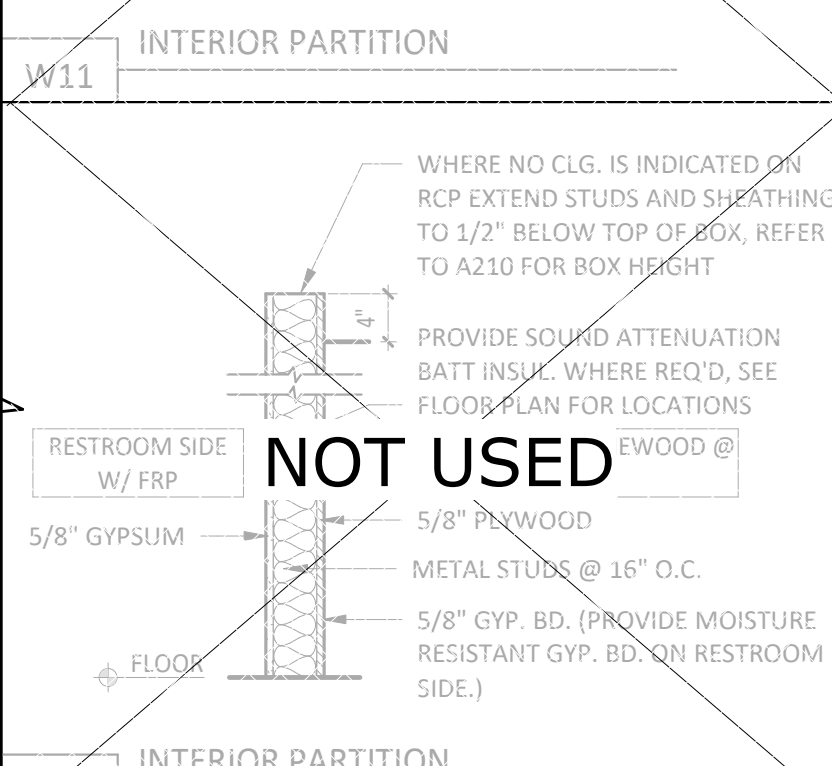
W14 INTERIOR PARTITION



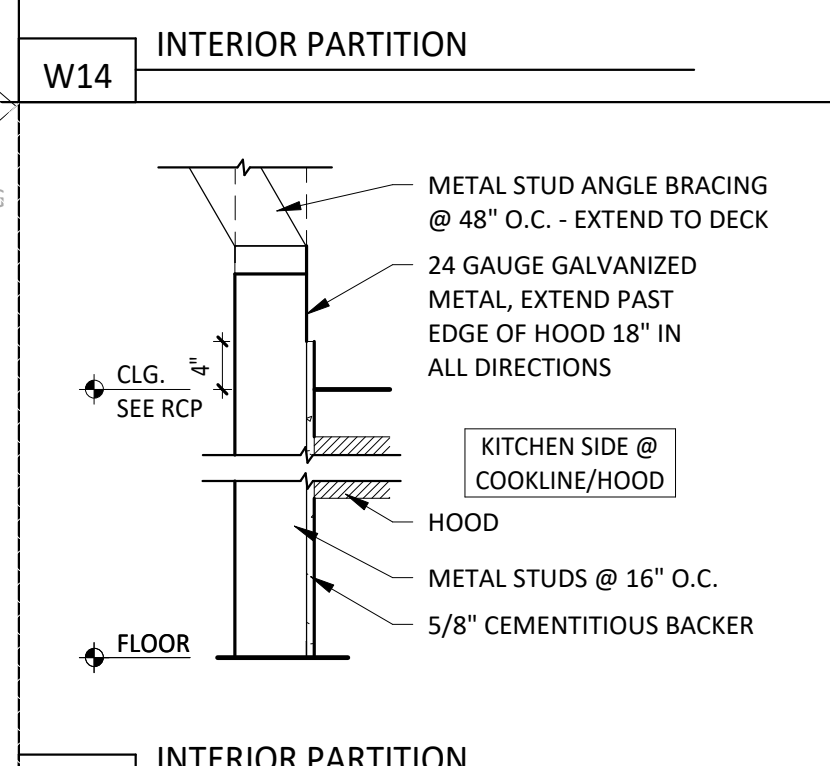
W15ax INTERIOR PARTITION



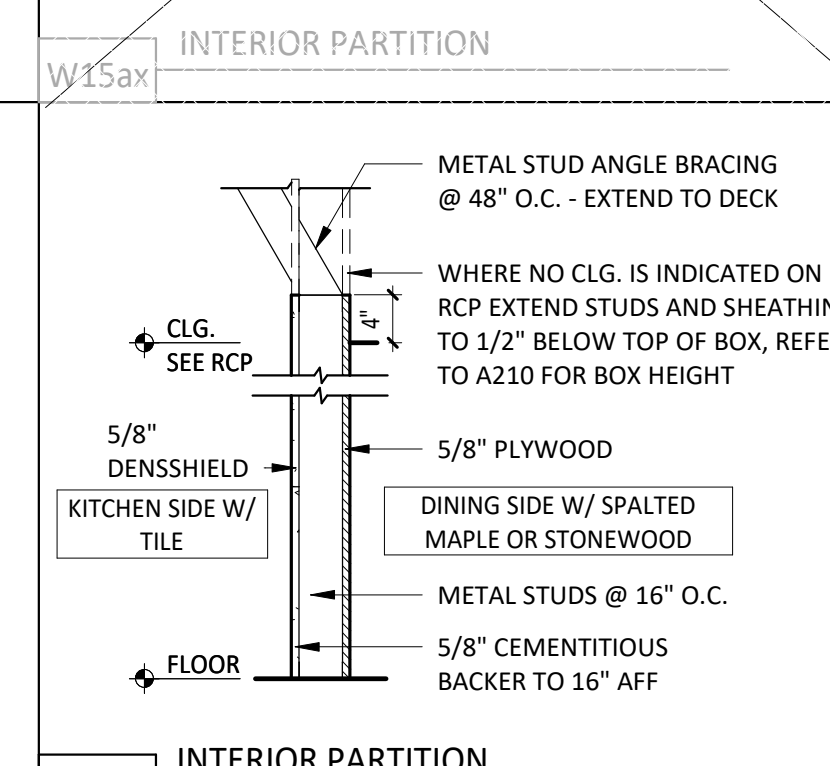
W23 INTERIOR PARTITION
W23a INTERIOR PARTITION (DML-SIDE ONLY)



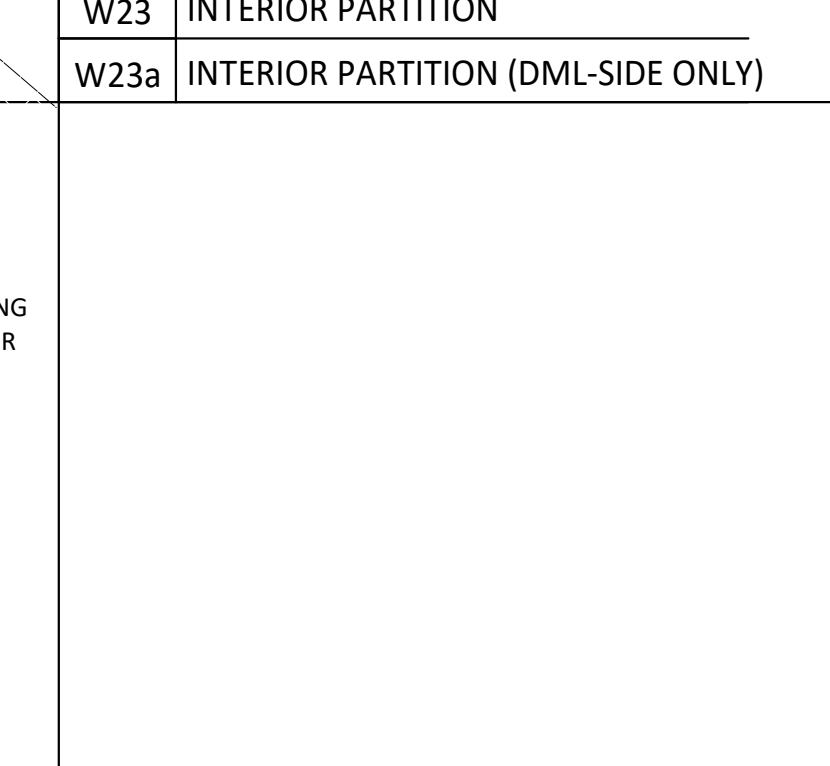
W24 INTERIOR PARTITION



W26a INTERIOR PARTITION



W28 INTERIOR PARTITION



W28 INTERIOR PARTITION

GENERAL NOTES - WALL TYPES

- A. 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.
- B. G.C. SHALL PROVIDE SOLID BLOCKING IN WALLS AS REQUIRED OR AS NEEDED.
- C. STUDS ARE 3 3/8" METAL STUDS UNLESS OTHERWISE NOTED ON PLAN.

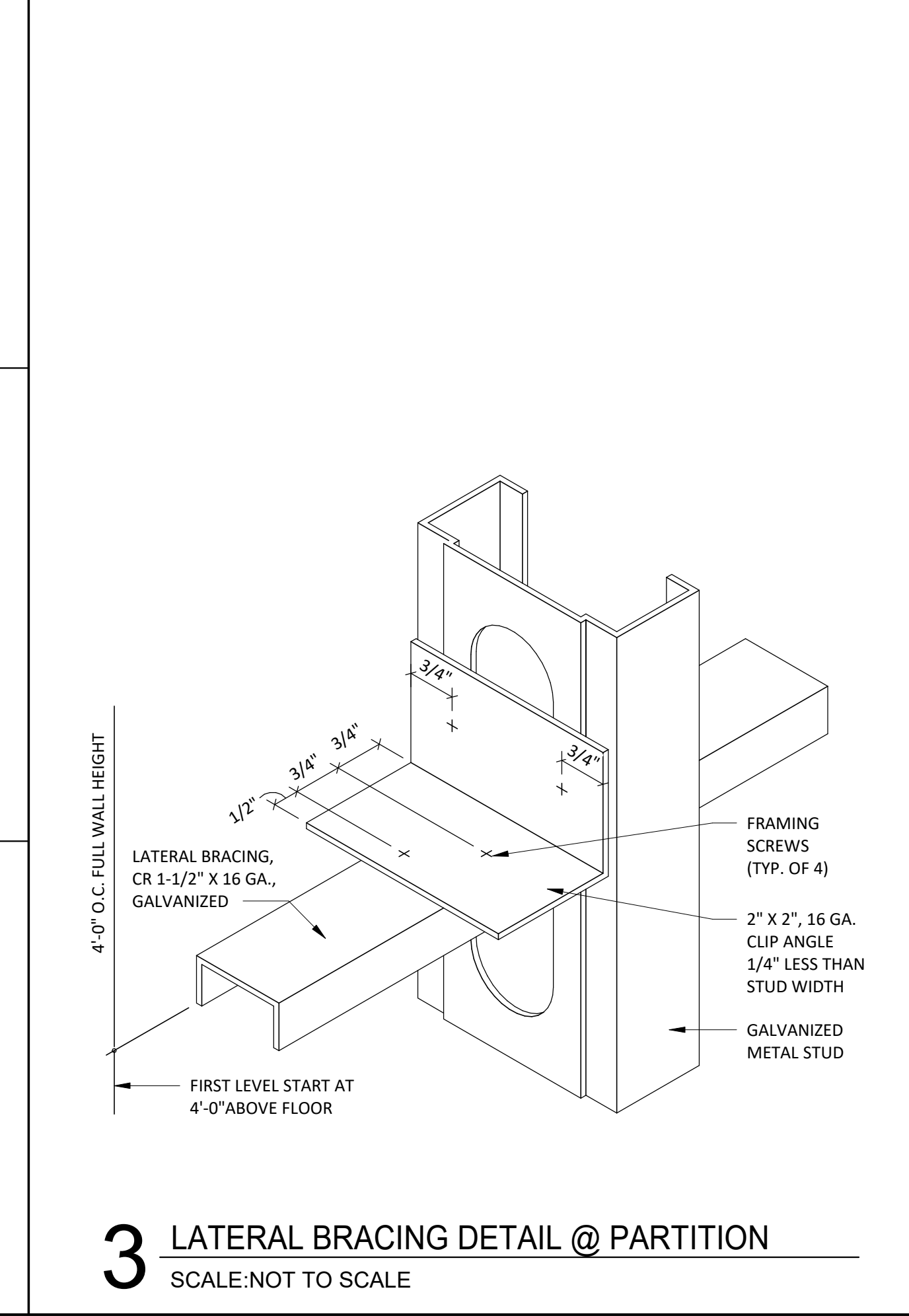
STUD SCHEDULE & NOTES

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

SIZE/TYPE	W/O HUNG SHELVING	W/ HUNG SHELVING
3625125-18	UP TO 12'-0"	UP TO 12'-0"
3625137-33	UP TO 16'-0"	UP TO 16'-0"
6005137-33	UP TO 22'-0"	UP TO 16'-0"
6005162-43	UP TO 26'-0"	UP TO 22'-0"

PARTITION NOTES

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



3 LATERAL BRACING DETAIL @ PARTITION
SCALE: NOT TO SCALE

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182966
COLUMBUS, OH 43218-2966
TELEPHONE: (614) 318-2682
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Matthew M. Wilkus LICENSE # 54678

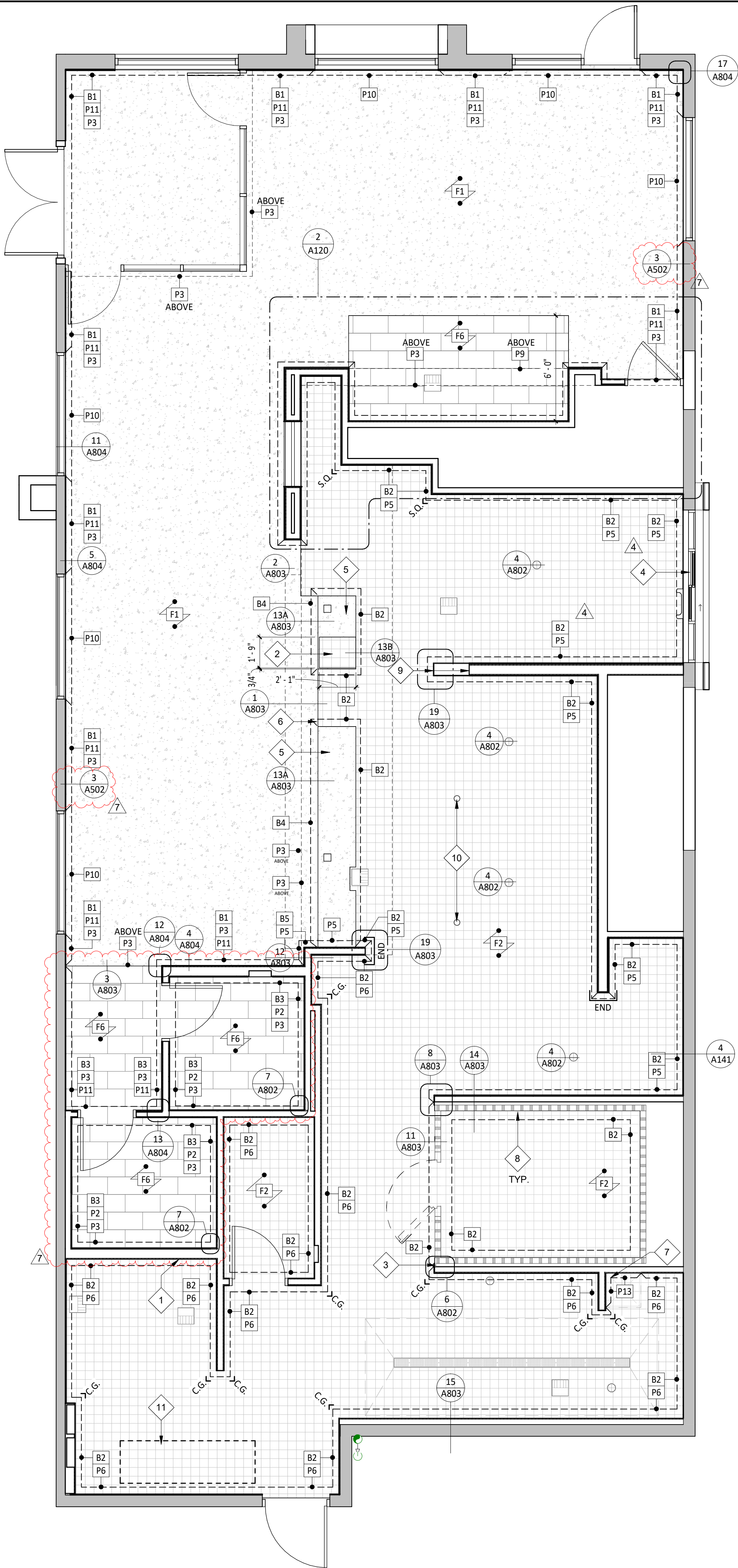
PROJECT NO. 2024-0266
DRAWN BY TRC
CHECKED BY DRL

ISSUE RECORD:
09/17/2024 PERMIT SET
10/24/2024 BID SET
12/02/2024 CONSTRUCTION SET

REVISIONS:

TITLE:
ARCHITECTURAL WALL TYPES

SHEET NUMBER:
A111



FINISH LEGEND

LGD. #	FLOOR FINISHES	LGD. #	WALL BASE FINISHES	LGD. #	CEILING/DECK FINISHES
F1	POLISHED CONCRETE	B1	BLACK RUBBER, COVELESS	C1	OPEN TO STRUCTURE, UNPAINTED
F2	QUARRY TILE	B2	QUARRY TILE, COVE	C2	STONEWOOD
F3	EXISTING EXTERIOR CONCRETE	B3	BLACK RUBBER, COVE	C3	GYP BD; PAINT "MOONLIT SNOW"
F4	NOT USED	B4	QUARRY TILE, COVELESS	C4	2X4 VINYL-FACED LAY-IN
F5	NOT USED	B5	CERAMIC TILE	C5	NOT USED
F6	PORCELAIN TILE	B6	PORCELAIN TILE, COVE		
LGD. #	DOOR FINISHES	LGD. #	WALL BASE FINISHES		
D1	PAINT "BLACK"	P1	GYP BD; PAINT "MOONLIT SNOW"		
D2	PAINT "KNIGHTS ARMOR"	P2	FIBERGLASS REINFORCED PANELS TO 4'-0" AFF (SMOOTH)		
		P3	GYP BD; PAINT "THIN ICE", EGGSHELL, REFER TO A701 AND A710		
		P4	NOT USED		
		P5	CERAMIC TILE - WHITE		
		P6	FIBERGLASS REINFORCED PANELS (PEBBLED FINISH)		
		P7	NOT USED		
		P8	CERAMIC TILE - BRONZE ACCENT 3" X 12"		
		P9	SPALTED MAPLE WALL PANEL, HORIZONTAL GRAIN		
		P10	NEW STOREFRONT		
		P11	STONEWOOD WALL PANEL		
		P12	NOT USED		
		P13	STAINLESS STEEL		

GENERAL NOTES - FINISH PLAN

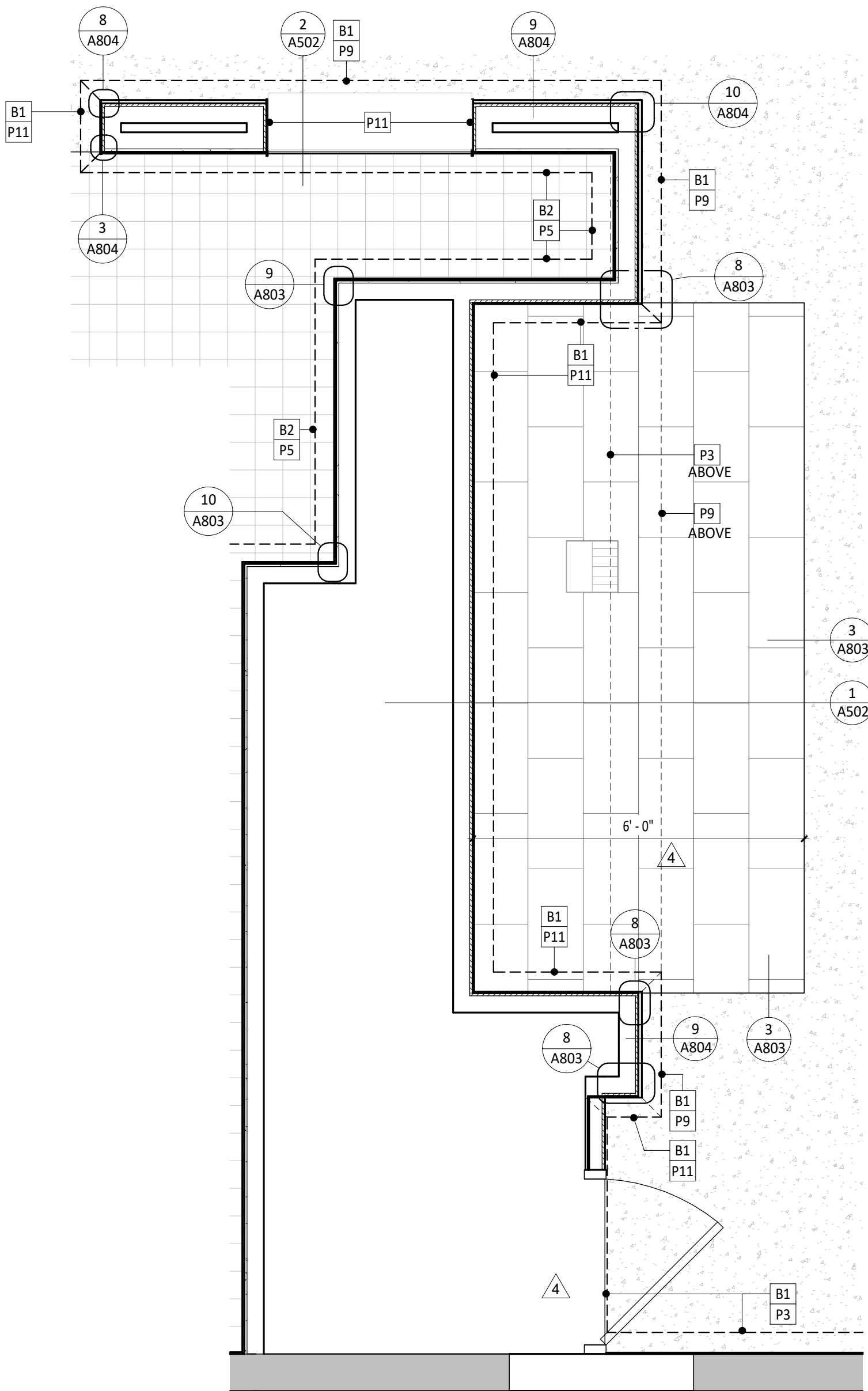
- A. STONEWOOD WALL PANELS AND WAINSCOTS PROVIDED BY TMS, INSTALLED BY GC.
B. SPALTED MAPLE PANELS PROVIDED BY TMS, INSTALLED BY GC.
C. GC IS RESPONSIBLE FOR SEQUENCING OF PREWIRING WITH COMPLETION OF INTERIOR FINISHES (GYP. BD. FINISHES).
D. PROVIDE WATER PROOFING MEMBRANE, REFER TO A802 DETAILS. PROVIDE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

FINISH PLAN SYMBOL LEGEND

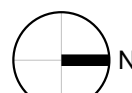
- = PROVIDE A SCHLUTER QUADEC METAL CORNER AT ALL TILED CORNERS - REFER TO A802 FOR ADDITIONAL INFORMATION
 = PROVIDE 1 1/2" X 1 1/2" STAINLESS STEEL CORNER GUARD UP TO 5'-0" A.F.F. - 1 1/2" X 1 1/2" FRP CORNER GUARD FROM TOP TO CEILING - REFER TO A802 FOR ADDITIONAL INFORMATION
 END = PROVIDE END GUARD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

KEYNOTE LEGEND

- 1 GENERAL CONTRACTOR TO PROVIDE 18 GAUGE STAINLESS STEEL SHROUD AROUND EXPOSED LINES AT ICE MAKER.
2 PROVIDE QUARRY TILE ON TOP OF CURB FOR SMART SAFE - PROVIDE BULLNOSE TILE TO LAP OVER TOP CUT EDGE OF BASE TILE - REFER TO A802 FOR ADDITIONAL INFORMATION - GENERAL CONTRACTOR TO COORDINATE EXTENT OF QUARRY TILE WITH KES PRIOR TO INSTALLATION
3 FRP ENCLOSURE PANEL AT COOLER GAP - REFER TO A801 FOR ADDITIONAL INFORMATION.
4 ALUMINUM PLATE BELOW DRIVE-THRU WINDOW - REFER TO A802 FOR ADDITIONAL INFORMATION.
5 CONCRETE CURB FOR EQUIPMENT WITH QUARRY TILE BASE AT ALL EXPOSED EDGES.
6 EXTENT OF QUARRY TILE FROM KITCHEN.
7 PROVIDE STAINLESS STEEL ON WALL TO 24" ABOVE TOP OF MOP SINK - FLASH BOTTOM EDGE OVER MOP SINK RIM - BEND STAINLESS STEEL AT INSIDE CORNER SO THERE IS NO JOINT - REFER TO A802 FOR ADDITIONAL INFORMATION.
8 COOLER WALL PANELS AS PROVIDED BY THE COOLER MANUFACTURER HAVE A 26-GAUGE COATED AND EMBOSSED STEEL FINISH.
9 ALUMINUM ENDCAP - REFER TO A802 FOR ADDITIONAL INFORMATION.
10 4" PVC PIPE WITH 2" CONCRETE INFILL FOR POWERS STUBS - TYPICAL OF TWO (2) - REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
11 PAINT EXISTING SHIPS LADDER, COLOR: KNIGHTS ARMOR.



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



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

CONSULTANT:

WILKUS
ARCHITECTS

CLIENT:

CHIPOTLE
MEXICAN GRILL

CHIPOTLE MEXICAN GRILL, INC.
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PROJECT INFORMATION:

STORE NO.: #L558
"OWATONNA"
135 ALLAN AVE
OWATONNA, MN 55060

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.
Matthew M. Wilkus LICENSE # 54678
DATE February 14, 2025

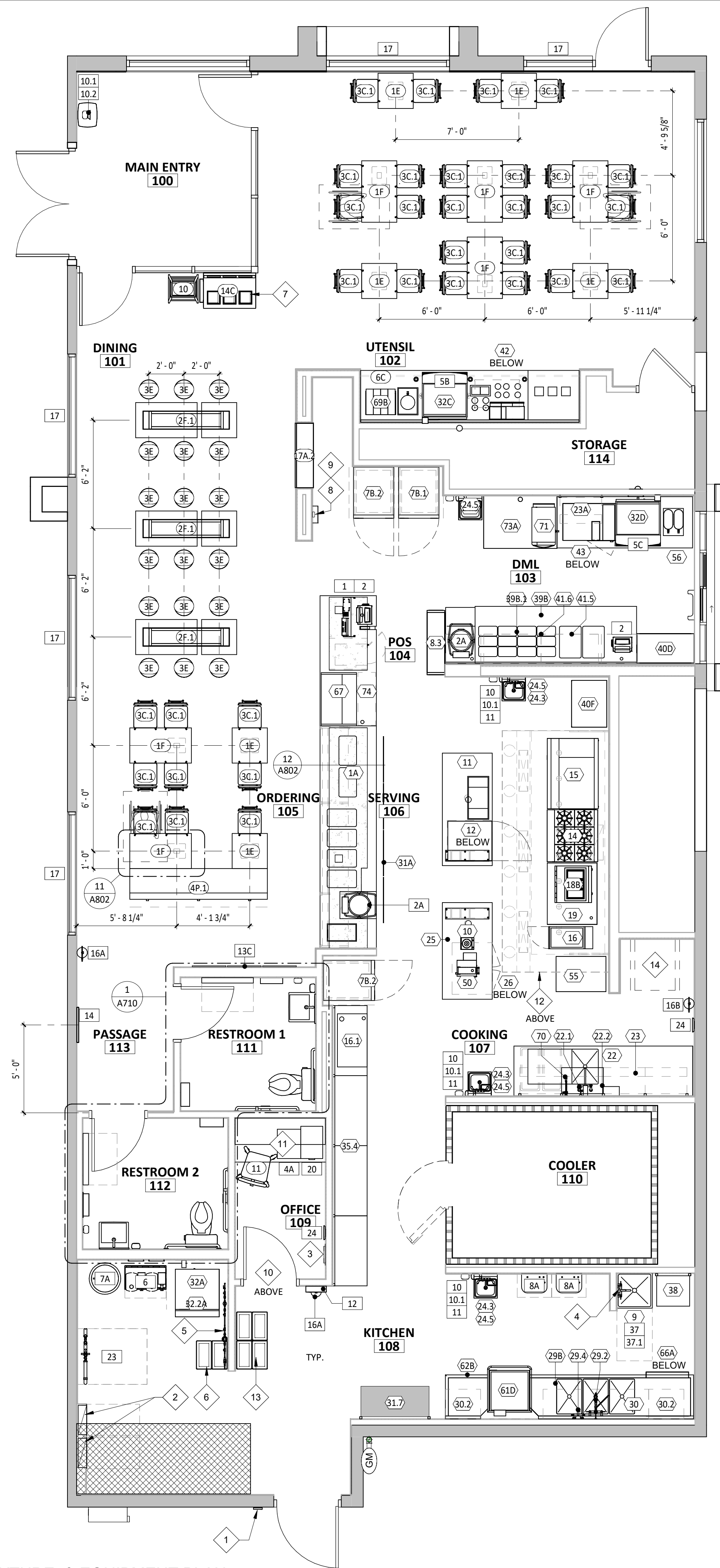
PROJECT NO. 2024-0266
DRAWN BY TRC
CHECKED BY DRL

ISSUE RECORD:
09/17/2024 PERMIT SET
10/24/2024 BID SET
12/02/2024 CONSTRUCTION SET

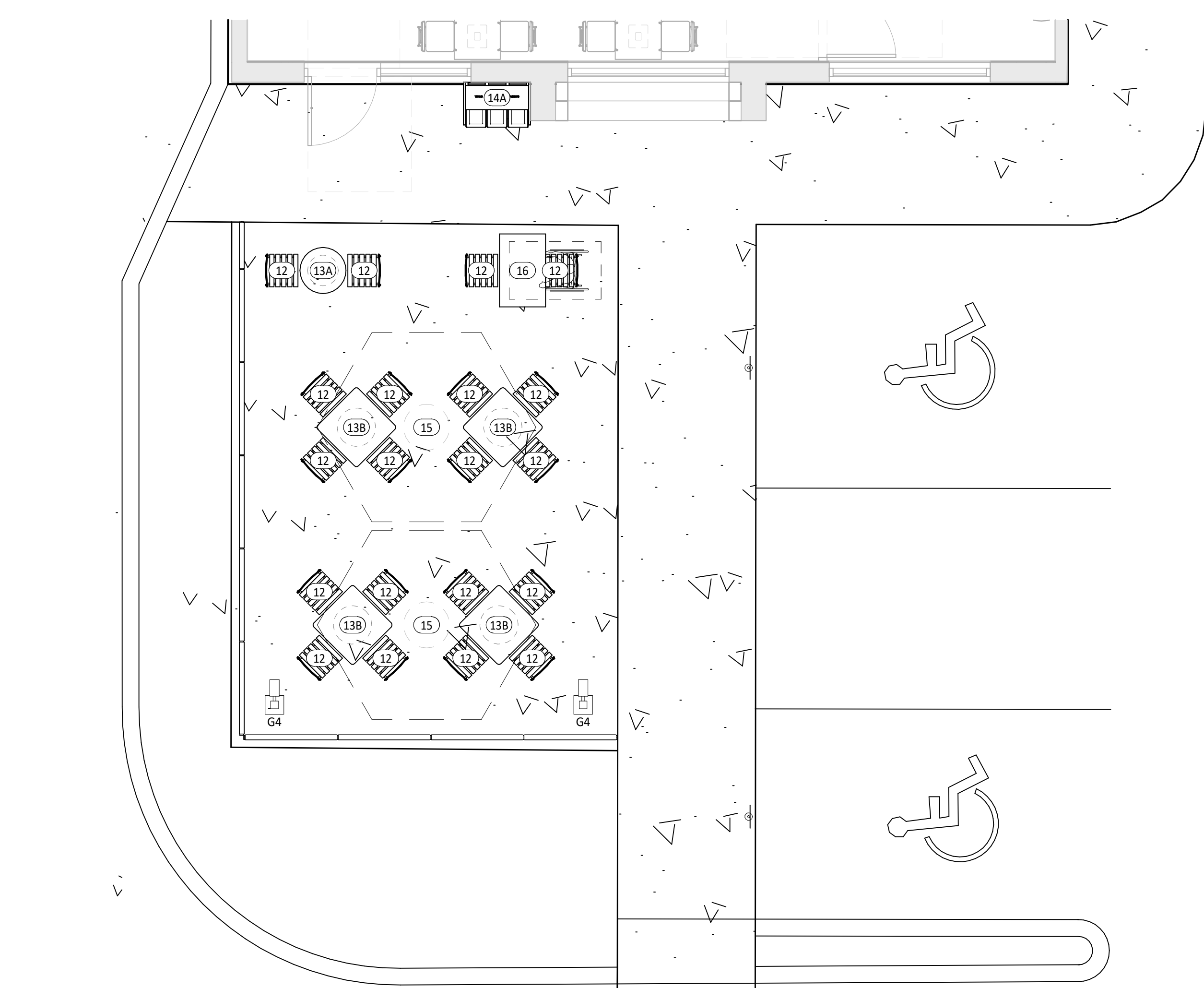
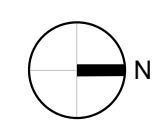
REVISIONS:
4 11.12.2024 Client Updates
7 02.14.2025 CB-02

TITLE:
FINISH PLAN

SHEET NUMBER:
A120



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



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

GENERAL NOTES - FF& E

- 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

- | | |
|----|---|
| 1 | C02 REMOTE FILLER - VERIFY FINAL LOCATION WITH CHIPOTLE'S CONSTRUCTION MANAGER. |
| 2 | ELECTRICAL PANEL LOCATION - SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION. |
| 3 | EXISTING BYPASS DISTRIBUTION PANEL - SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION. |
| 4 | CHEMICAL CLEANING DISPENSING SYSTEM WITH INTEGRAL AIR GAP - REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION. |
| 5 | WATER FILTER ABOVE - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION. |
| 6 | MOVEABLE BACK-UP TRASH BINS FOR DINING AREA TRASH SURROUNDS - TYPICAL OF TWO (2). |
| 7 | HOLD TRASH SURROUND OFF 2" AROUND ADJACENT WALL SURFACES - TYPICAL. |
| 8 | KRONOS TIMECLOCK WILL BE LOCATED 44" A.F.F. TO THE TOP OF UNIT - CENTER KRONOS UNIT IN WALL - REFER TO ELECTRICAL DRAWINGS. |
| 9 | ANSUL PULL TO BE LOCATED 48" A.F.F. TO THE CENTER OF UNIT ABOVE THE TIMECLOCK LOCATION. |
| 10 | TELEPHONE BOARD ABOVE - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. |
| 11 | OFFICE DESK AND SHELVING - REFER TO SHEET A702 AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION. |
| 12 | DASHED LINE INDICATES LOCATION OF HOOD ABOVE. |
| 13 | MOVEABLE LINEN BINS WITH LID - TYPICAL OF FOUR (4). |
| 14 | LOCATION OF FUTURE REACH-IN COOLER - REFER TO ELECTRICAL FOR POWER LOCATION. |

CONSULTANT:



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Matthew M. Wilkus LICENSE # 54678
Matthew M. Wilkus

DATE January 06, 2025

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CHECKED BY DRL

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10/24/2024 BID SET
12/02/2024 CONSTRUCTION SET

REVISIONS:

TITLE:
FF&E PLAN

SHEET NUMBER:

A130

KITCHEN EQUIPMENT LIST

TAG	DESCRIPTION	MANUFACTURER	MODEL NO.	QTY	FURNISHED BY	INSTALLED BY	ELEC	UTILITY		SEWER	REMARKS
								GAS	WATER		
1.1	Sneeze Guard Serve Line 12 Pan (Right)	BSI	Custom-R	1	TMS	TMS/GC					
1A	M4.0 - Front Serve Line - 12 Pan - RTD - POS Right	Delfield	12 Pan Serve Line POS RTD_241x38.Sin (Right)	1	KES	KES; GC	●			●	Installed On Concrete Curb
2A	Tortilla Warmer	Caliente Industries	A2	2	KES	KES	●				GC To Store In Walk-In Cooler Until Final Installation
6	Cup Dispenser	Dispense-Rite	CHIP-ECL-3B	1	KES	KES; GC					Installed At POS Counter
7B.1	Upright Beverage Cooler, Single Door, Hinge Left	Varies	Varies - Solid Door	1	KES	KES	●				
7B.2	Upright Beverage Cooler, Single Door, Hinge Right	Varies	Varies - Solid Door	2	KES	KES	●				
8.3	M4.5 Chip Shelf	Trimark	Custom	1	KES	KES					
10	Blender	Vitamix	748	1	T	T	●				GC To Store In Walk-In Cooler Until Final Installation
11	Carving Station - 77x34in - Horizontal Well - Right	Delfield	77x34in Carving Station-RT	1	KES	KES	●				
12	Undercounter Refrigerator	Hoshizaki	CRM827-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					
18B	Gas Rice Cooker	Woodstone	WS-GRC-60	1	KES	GC	●	●			Final Connection by GC. RE:Mechanical Drawings
19	Rice Cooker Stand - Left	Nationwide Fab; 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-1033-12CRB/JSK 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	WST1879S	1	KES	KES					Mount bottom of Standard At 56"AFF. Provide Plywood Blocking
30.2	Shelving System - Dish Table	Amco	WST1879S	2	KES	KES					Mount bottom of Standard At 56"AFF. Provide Plywood Blocking. Mount Tight To Dish Machine
31.7	Drying Racks 21x48x85in - With Vented Aluminum Covers	Amco	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			●		
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 23x192x85in	Varies	Custom	1	KES	KES					Mount Bottom Of Standard At 12" AFF. Provide Plywood Blocking To Mount To Wall.
37	Mop Sink Faucet	T&S	B-0660-BSTR	1	KES	GC			●		
37.1	Mop Sink Chemical Faucet	T&S	B-2345-01-XX	1	KES	GC			●		GC To Provide Connection For Chemical Dispensing Equipment
38	6 Shelves - Chemical Storage Rack	Amco	CHPCS72	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	●			●	
61D	Dish Machine (w/Pump & Ventless)	Hobart	AM16VLSCB (w/Ventless Kit)	1	KES	KES	●		●	●	
62B	Dish Table 30x30	Babington Technology	CDT-30X30X36.5-B-L	1	KES	GC					
65	Utility Cart (Not Shown)	Select Stainless	30SU-22-14-C4-TUBS-CUSTOM	1	KES	GC					Provided As Part Of The WIC Shelving
66A	Drop-Off Table - 29x30in	Trimark	TS-29x30x31-US-C	1	KES	KES					
67	Refrigerated Counter Case, Self-Serve	Structural Concepts	CO3324R-UC	1	KES	KES					
69B	M4.0 - Simplicity Bubbler Mini-Quad	Crathco	CS-4E-16	1	KES	GC	●			●	
70	Speed Fill Faucet	T&S	B-0432 MOD	1	KES	GC			●		
71	Quesadilla Press	Turbochef	Sota Touch	1	KES	KES	●				
73A	50" TurboChef Table	Trimark	50X36X36	1	KES	KES					
74	Shelving - Under Counter - 12x36x29in	Metro	Custom	1	KES	KES					

MISC. EQUIPMENT LIST

TAG	DESCRIPTION	QTY	FURNISHED BY	INSTALLE D BY	UTILITY				REMARKS
					ELEC	GAS	WATER	SEWER	
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	5	WS	WS					See Sheet A130 For Location & Size (When Used)
19	Hat & Coat Strips (Not Shown)	1	WA	GC					Provide Plywood Blocking to Mount to Wall
20	2-Drawer File Cabinet, By Tenant	1	T	T					By Tenant
23	Backflow Preventer	1	GC	GC			●	●	See MEP Sheets for Details
24	iPAD Wall Station	2	T	GC	●				Tablet By Tenant, Refer to Electrical Drawings
28	Mop Strip (Not Shown)	1	T	GC					Provide Plywood Backing To Mount To Wall, 2 Hole At Mop Basin and 6 Hole In Kitchen
31A	21inx31in Menu System	1	TMB	GC					
33A	M4.0 - Pick-Up Sign - Single Faced - Flush Mounted - Face	1	TSV	GC					

FURNITURE LIST

TAG	DESCRIPTION	QTY	FURNISHED BY	INSTALLED BY	UTILITY			REMARKS
					GAS	WATER	SEWER	
1E	M4.0 - Table 24x24in - Rectangular Base	6	TMS	GC				
1F	M4.0 - Table 24x42in, Rectangular Base (Accessible)	6	TMS	GC				See Detail On A130
2F.1	M4.0 - Bar Height Table 6-Top, With Footrest	3	TMS	GC				One Coat Hook Per Two Seats, Confirm Mounting Location With Shop Drawings
3C.1	M4.0 - Dining Room Chair	33	TMS	GC				
3E	M4.0 - Bar Stool - Fixed	18	TMS	GC				Align Seat With Seam Perpendicular To Table Edge
4P.1	Banquette Bench (Black) - Floor Mount	1	TMS	GC				
6C	M4.0 - Beverage Counter - With Trash - 4" Splash - 149"	1	TMS	GC				• Coordinate Floor Drain Installation with Utensil Counter Installation, Bins and Sign Hooks Provided by Tundra in Smallwares Package, Install Hooks on Back of Doors
10	Child's High Chair	1	T	GC				
11	Office Chair, By Tenant	1	T	T				By Tenant
12	Patio Chair - Bistro	20	KES	GC				Provided by EMU America, Contact: Carol Hughes (303-744-3200)
13A	24in Round Bistro Table	1	KES	GC				Provided by EMU America, Contact: Carol Hughes (303-744-3200)
13B	30in Square Bistro Table	4	KES	GC				Provided By EMU America, Contact: Carol Hughes (303-744-3200)
14A	3 Bin Trash/Recycling Surround - Exterior	1	TMS	GC				Bins Provided by Tundra in Smallwares Package
14C	M4.0 - 3 Bin Trash/Recycling Surround - Interior	1	TMS	GC				Bins Provided by Tundra in Smallwares Package
15	Patio Umbrella	2	KES	GC				
16	Accessible Patio Table	1	KES	GC				Provided by EMU America, Contact: Carol Hughes (303-744-3200)
17A.2	MOPUS Shelving - 44"	1	TMS	GC				GC To Provide Blocking In Walls At The Ends Of The MOPUS Shelf To Secure Shelves, Wood Edge Of The Shelves To Face The Dining Room

CONSULTANT:



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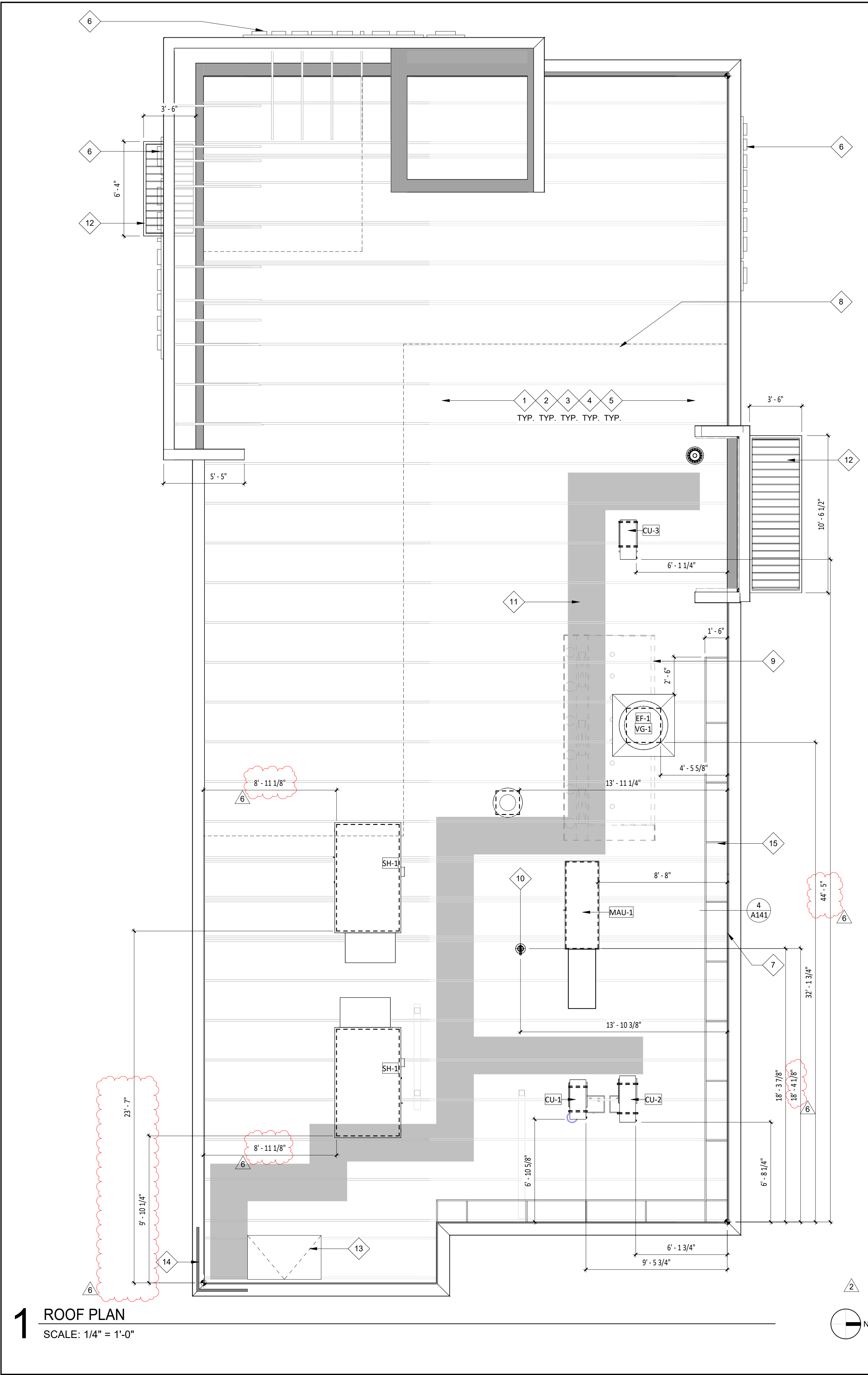
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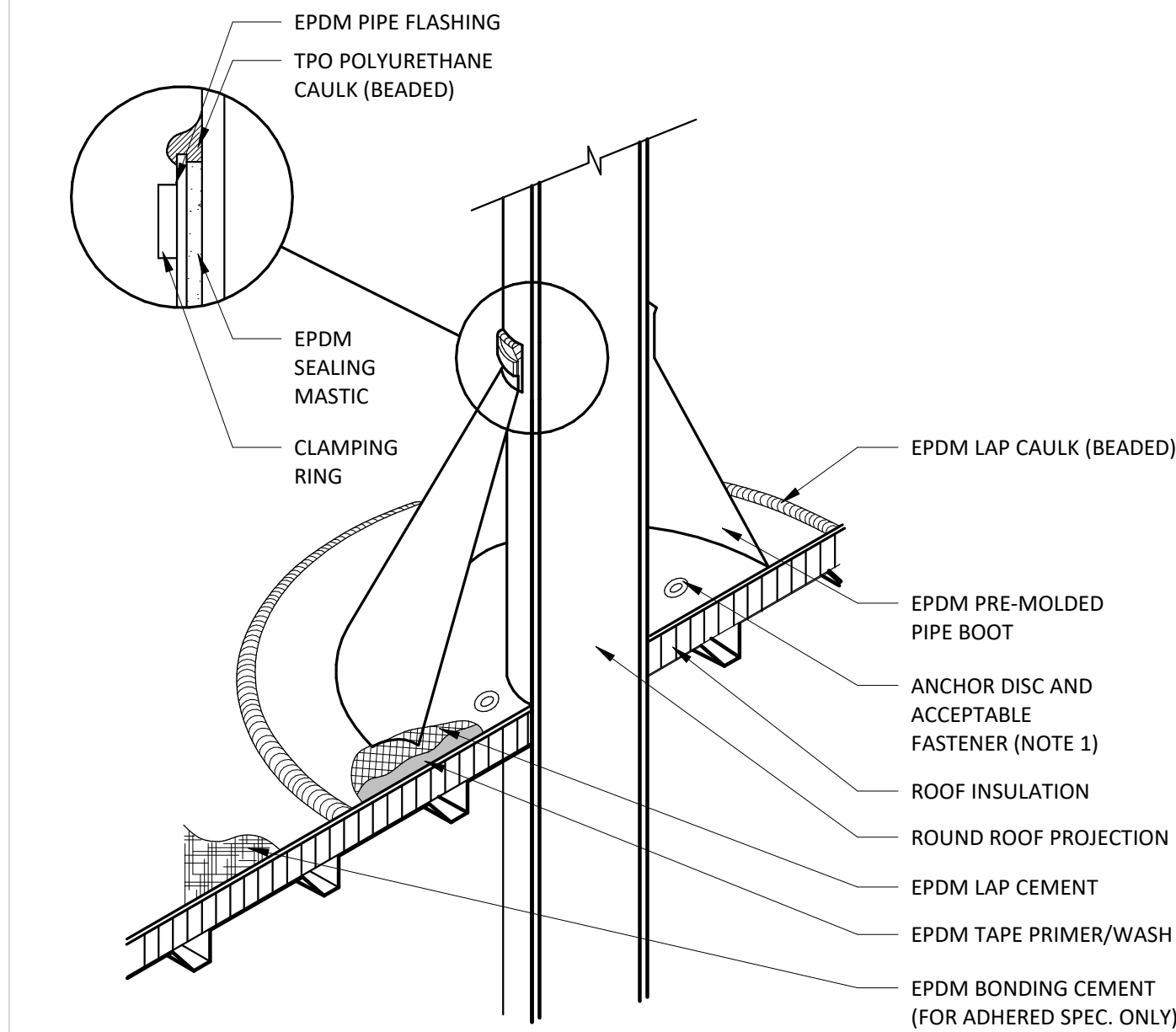
12/02/2024 CONSTRUCTION SET

REVISIONS:



HVAC EQUIPMENT

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

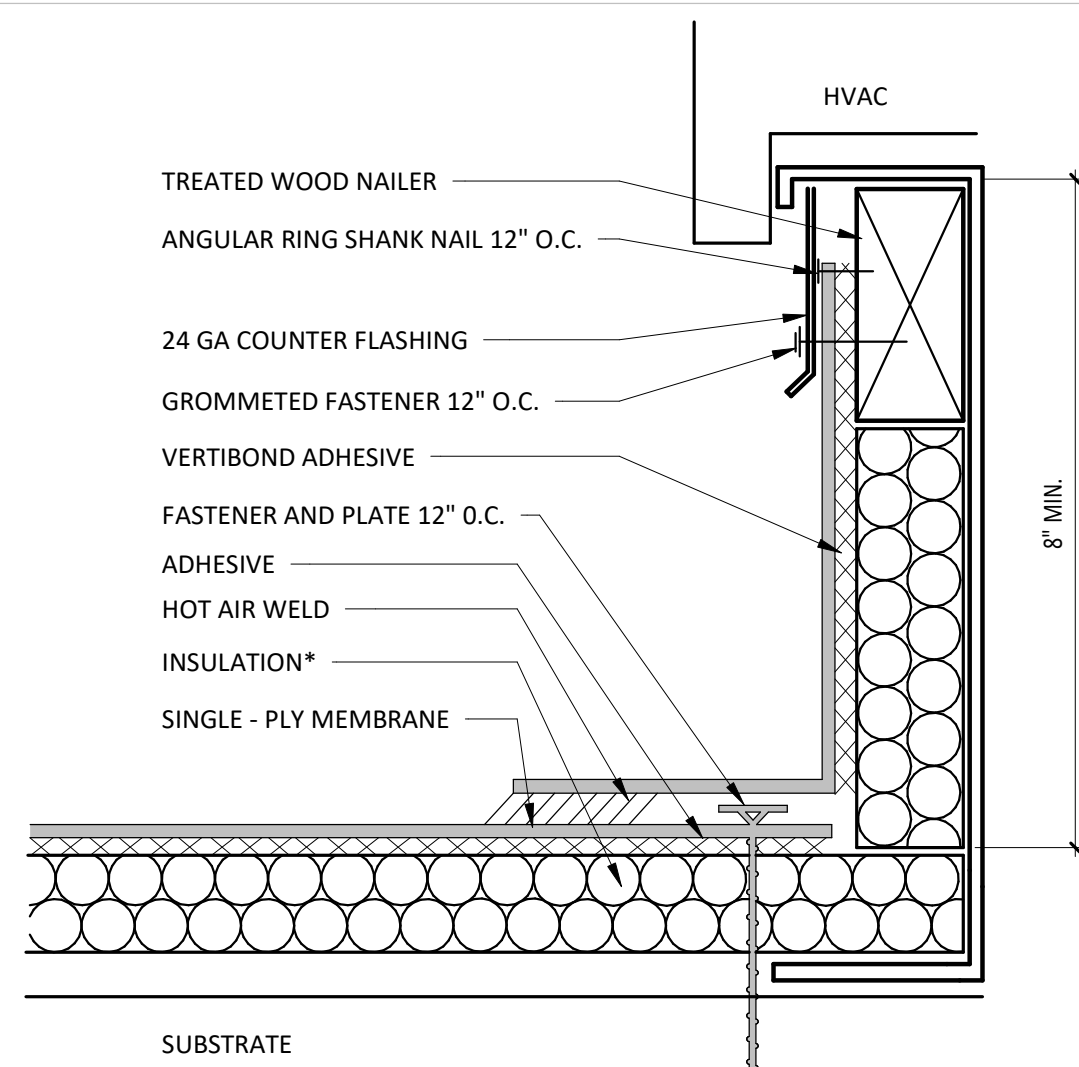


NOTE:

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

2 BOOT DETAIL

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



NOTES:

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

3 CURB FLASHING

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

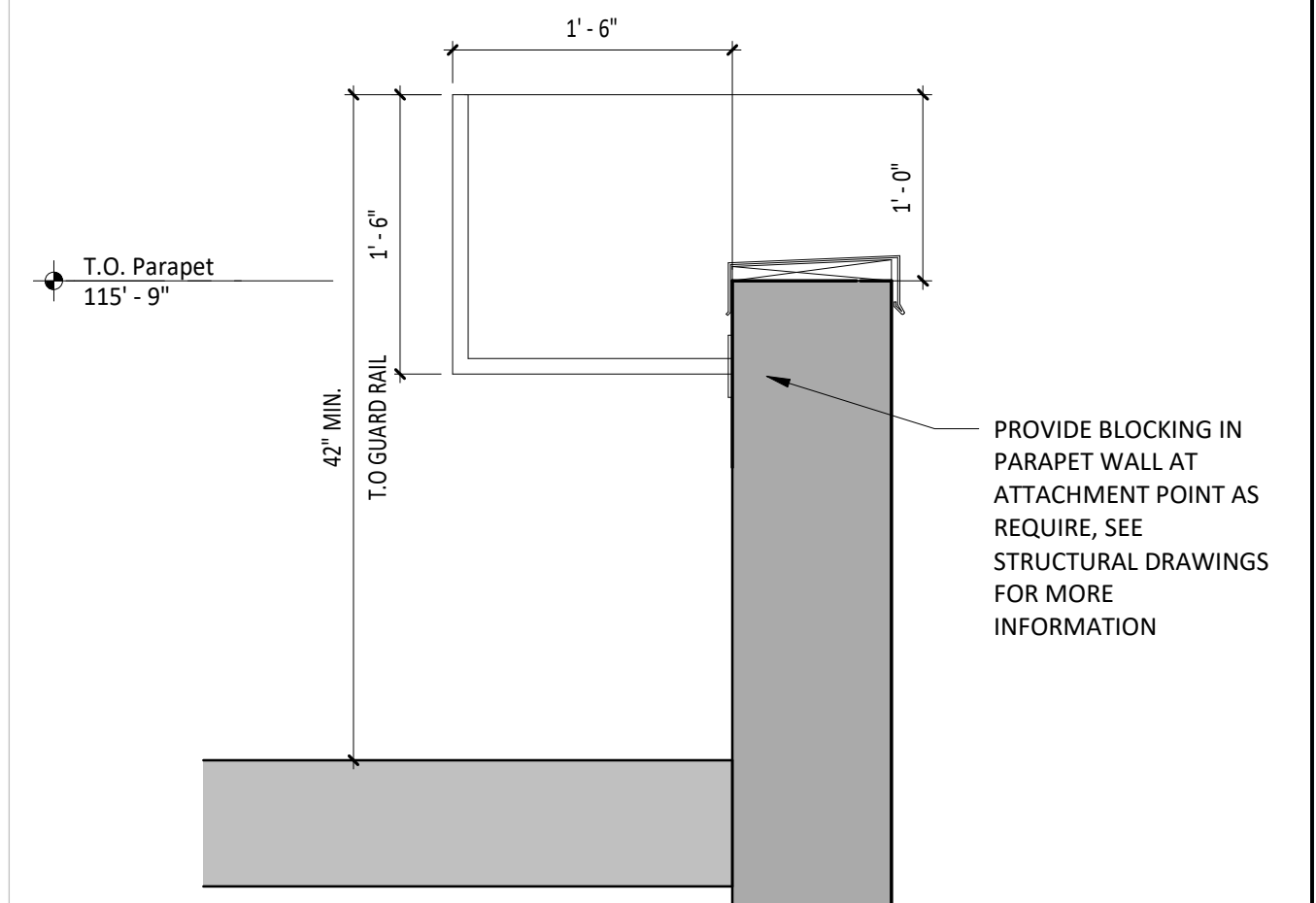
GENERAL NOTES - ROOF PLAN

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

KEYNOTE LEGEND

- EXISTING FULLY ADHERED PVC ROOFING SYSTEM AND RIGID INSULATION - PATCH AND REPAIR AS REQUIRED - REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- EXISTING WOOD JOISTS BELOW SHOWN FOR REFERENCE ONLY - REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- ALL ROOF PENETRATIONS, INCLUDING MINOR ROOF VENTS AND SIMILAR ITEMS, MAY NOT BE INDICATED ON PLAN - GENERAL CONTRACTOR TO VERIFY AND COORDINATE SCOPE SO AS TO INDICATE ALL ROOFING AND FLASHING WORK SO AS TO OBTAIN AND/OR MAINTAIN EXISTING ROOFING WARRANTIES.
- LOCATIONS OF ALL ROOF PENETRATIONS ARE TO BE VERIFIED WITH APPROPRIATE SUBCONTRACTOR.
- GENERAL CONTRACTOR TO CLEAN ROOF OF ALL CONSTRUCTION DEBRIS AT PROJECT COMPLETION.
- 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.
- SCUPPER AND DOWNSPOUT LOCATION.
- HIDDEN LINE INDICATES SOFFIT LOCATION BELOW IN WHICH TERMINATES TO UNDERSIDE OF EXISTING DECK.
- DASHED LINE INDICATES LOCATION OF HOOD SYSTEM BELOW.
- ROOF HYDRANT - REFER TO PLUMBING FOR ADDITIONAL INFORMATION.
- INSTALL ROOF TOP WALKING PADS AROUND RTU'S AND EF-1. FOLLOW ROOF MANUFACTURER REQUIREMENTS, TYP.
- CANOPY BELOW - REFER TO EXTERIOR ELEVATIONS.
- EXISTING ROOF HATCH.
- EXISTING SAFETY RAILING, RE-INSTALLED ON NEW METAL COPING AND PAINT PPG "FOG".
- PROVIDE L-SHAPED GUARD RAIL AT ALL SERVICEABLE ROOFTOP EQUIPMENT WITHIN 10' OF THE ROOF EDGE, CHIPOTLE'S GC TO SOURCE MANUFACTURER.

INSTALL RAILING AS
RECOMMENDED PER
MANUFACTURER



4 GUARD RAIL DETAIL

SCALE: 1" = 1'-0"

CONSULTANT:



CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182966
COLUMBUS, OH 43218-2966
TELEPHONE: (614) 318-2482
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: #L558
"OWATONNA"
135 ALLAN AVE
OWATONNA, MN 55060

SEAL:

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

Matthew M. Wilkus LICENSE # 54678

DATE January 06, 2025

PROJECT NO. 2024-0266

DRAWN BY TRC

CHECKED BY DRL

ISSUE RECORD:

09/17/2024 PERMIT SET

10/24/2024 BID SET

12/02/2024 CONSTRUCTION SET

REVISIONS:

2 10.14.2024 City Comments

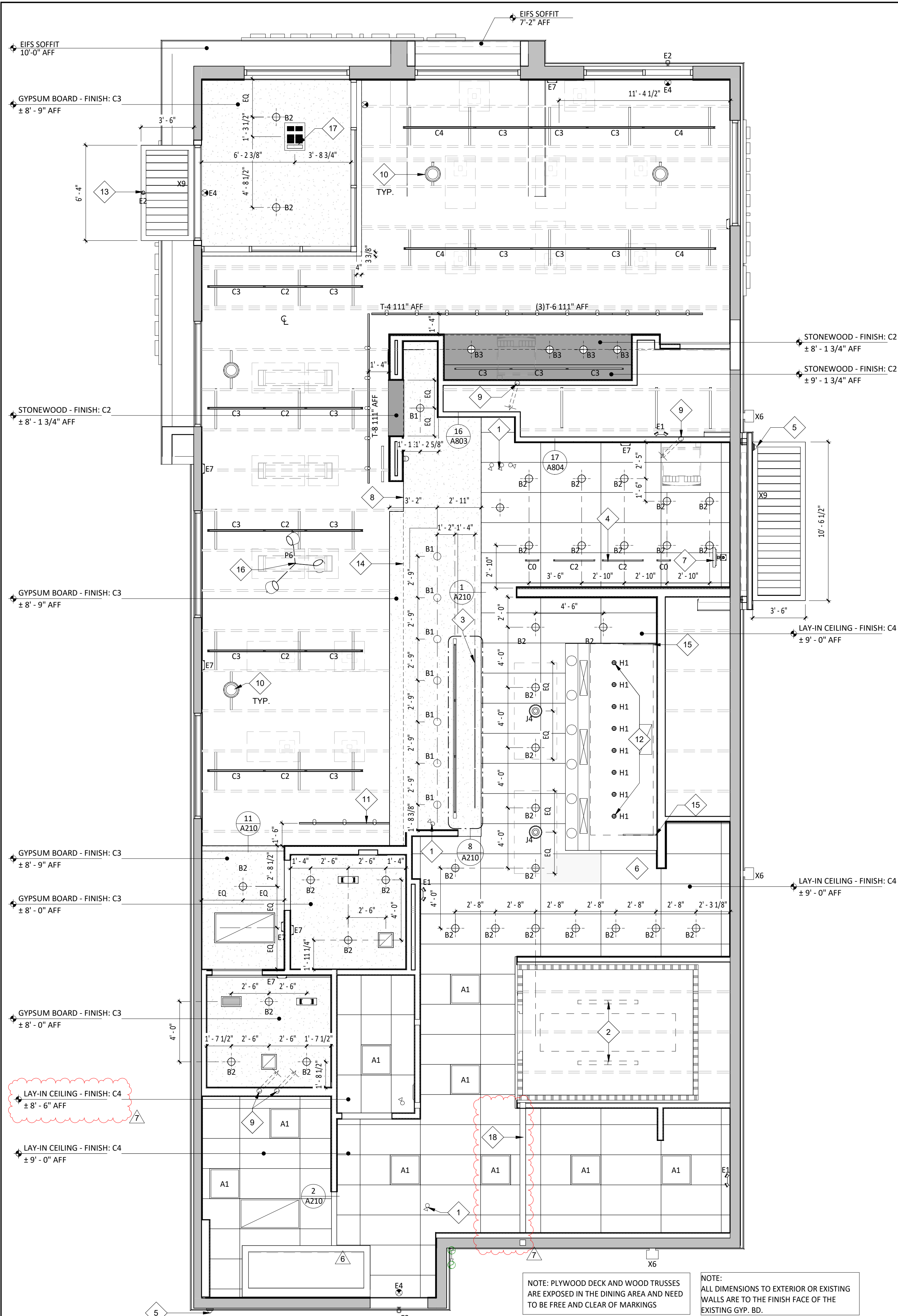
6 01.06.2025 CB-01

TITLE:

ARCHITECTURAL
ROOF PLAN

SHEET NUMBER:

A141



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

LIGHTING FIXTURE SCHEDULE			
ITEM #	MOUNT	DESCRIPTION	REMARKS
NEW			
A1	LAY-IN	2x2 LED LENSED TROFFER	SEE SHEET E100
B1	CEILING	RECESSED 6IN CAN LIGHT	SEE SHEET E100
B2	CEILING	RECESSED 6IN CAN LIGHT	SEE SHEET E100
B3	CEILING	M4.0 - RECESSED 6IN CAN LIGHT (BLACK)	SEE SHEET E100
C0	SURFACE	LOW PROFILE LED 1FT	SEE SHEET E100
C2	SURFACE	LOW PROFILE LED 3FT	SEE SHEET E100
C3	SURFACE	LOW PROFILE LED 4FT	SEE SHEET E100
C4	SURFACE	LOW PROFILE LED 5FT	SEE SHEET E100
E1	VARIOUS	EMERGENCY LIGHT - DUAL HEAD	SEE SHEET E100
E2	VARIOUS	EMERGENCY LIGHT - SINGLE HEAD	SEE SHEET E100
E4	VARIOUS	WHITE EXIT LIGHT - STANDARD RED LETTERS	SEE SHEET E100
E7	VARIOUS	EMERGENCY LIGHT - DUAL HEAD	SEE SHEET E100
G4	FLOOR	PATIO LIGHT POLE	SEE SHEET E100
H1	SURFACE	VAPOR PROOF HOOD LIGHT	SEE SHEET E100
J4	PENDANT	M4.0 - 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-4	SUSPENDED	M4.0 - TRACK 4'	SEE SHEET E100
T-6	SUSPENDED	M4.0 - TRACK 6'	SEE SHEET E100
T-8	SUSPENDED	M4.0 - TRACK 8'	SEE SHEET E100
X6	WALL	WALL PACK	SEE SHEET E100
X9	SURFACE	LED CHANNEL LIGHT	SEE SHEET E100

- ### GENERAL NOTES - RCP
- A. ALL INTERIOR LIGHT FIXTURES AND LAMPS PROVIDED BY TENANT'S LIGHT/LAMP SUPPLIER.
- B. ALL INTERIOR LIGHT FIXTURES AND LAMPS INSTALLED BY GC. CAREFULLY REVIEW LIGHTING FIXTURE SCHEDULE ON SHEET E100.
- C. KITCHEN EXHAUST HOOD PROVIDED BY HS AND INSTALLED BY GC. GC TO COORDINATE PRESSURE TEST AND VIRO GUARD WITH ENVIROMATIC, INC.
- D. ANSUL BOX & FIRE SUPPRESSION SYSTEM PROVIDED BY AND INSTALLED BY HS. HOOD INTERLOCK BY GC. ELECTRICAL CONNECTION BY GC, RE: ELEC.
- E. MENU BOARD ASSEMBLY PROVIDED BY TMB, INSTALLED BY G.C.
- F. PROVIDE BLOCKING ABOVE MENU BOARD ASSEMBLY FOR INSTALLATION.
- G. REFER TO "09900 PAINTING - GENERAL" IN SPECIFICATIONS FOR FINISHES AT EXPOSED CEILING AREAS IN ADDITION TO NOTES LISTED ON THIS SHEET AND A120
- H. UNISTRUT TO BE LEFT UNPAINTED. PROVIDE MATCHING CLOSER STRIPS AND END CAPS. CLOSER STRIP TO BE APPLIED TO THE UNDERSIDE OF THE UNISTRUT.
- I. ALL HEIGHTS ARE TO BOTTOM OF FIXTURE UNLESS NOTED OTHERWISE.
- J. LIGHT DETAILS ARE LOCATED ON SHEET A210. FIXTURE AND LAMP SPECIFICATIONS ARE LOCATED ON E100.
- K. ALL UNISTRUT SUPPORTING CEILING ELEMENTS AND/ OR DUCT WORK SHALL NOT CONTAIN ANY ELECTRICAL CONDUIT. ALL ELECTRICAL CONDUIT MUST RUN IN SEPARATE UNISTRUT.
- L. ALL UNISTRUT, CONDUIT, SPRINKLER & WATER LINES SHALL BE INSTALLED TO THE BOTTOM OF THE DECK OR AS SHOWN IN DETAILS & LEFT UNPAINTED.
- M. ALL DIMENSIONS ARE TO FACE OF FRAMING, OR CENTERLINE OF FIXTURE UNLESS NOTED OTHERWISE.
- N. SEE ELECTRICAL DRAWINGS FOR SHATTER RESISTANT LAMP LOCATIONS.
- O. ALL EMERGENCY FIXTURES, LIGHTS AND STROBES SHALL BE ALIGNED OR CENTERED ON WALLS.
- P. FULL CERAMIC TILE COURSING SHALL TAKE PRECEDENT OVER ANY CEILING/HEADER DIMENSION INDICATED IN THE PLAN, REFER TO A120.
- Q. 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.
- R. BATT INSULATION TO BE INSTALLED ABOVE THE RESTROOM CEILING.
- S. ALL LAY-IN CEILING PENETRATIONS TO BE HELD TIGHT TO WALLS. REFER TO DETAIL ON SHEET A210 AND PLUMBING DRAWINGS FOR DETAILS.
- T. REFER TO STRUCTURAL DRAWINGS FOR HOOD SUSPENSION DETAILS.
- U. ALL EXTERIOR BUILDING MOUNTED AND PATIO LIGHT FIXTURES AND LAMPS PROVIDED BY TENANT'S LIGHT/LAMP SUPPLIER, U.N.O.
- V. ALL EXTERIOR PARKING LOT LIGHT FIXTURES AND LAMPS PROVIDED BY AND INSTALLED BY G.C. CAREFULLY REVIEW LIGHTING FIXTURE SCHEDULE ON SHEET E100.
- W. ALL EXTERIOR BUILDING MOUNTED AND PATIO LIGHT FIXTURES AND LAMPS INSTALLED BY G.C. CAREFULLY REVIEW LIGHTING FIXTURE SCHEDULE ON SHEET E100.
- X. SECURITY CAMERA LOCATIONS ARE ONLY APPROXIMATE LOCATIONS. FOR GUIDANCE ON THE SPECIFIC LOCATION/ORIENTATION OF THESE CAMERAS, REFER TO THE ENVYSION INSTALLATION GUIDE
- Y. 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 LINE OF SUSPENDED MENU BOARD SYSTEM.
- 4 UNDERSHELF TASK LIGHTING - REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
- 5 EXTERIOR SECURITY CAMERA LOCATIONS - TYPICAL OF TWO (2).
- 6 PROVIDE FREE AND CLEAR ACCESS TO HOOD AS REQUIRED - GENERAL CONTRACTOR TO COORDINATE WITH ALL TRADES TO MAINTAIN.
- 7 LOCATION OF MONITOR BY TENANTS VENDOR.
- 8 HOLD SOFFIT FRAMING SO GYPSUM SOFFIT FINISH DOESN'T OVERLAP WALL FINISH ON BOX BELOW - REFER TO FINISH PLAN FOR ADDITIONAL INFORMATION.
- 9 4" PVC PIPES STUBBED ABOVE CEILING FOR SODA BUNDLE - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- 10 FOUR (4) SPEAKERS - REFER TO SHEET A210 FOR ADDITIONAL INFORMATION.
- 11 CENTER TRACK LIGHTING ON ARTWORK.
- 12 LIGHTS BY EXHAUST HOOD MANUFACTURER.
- 13 MOUNT EMERGENCY LIGHT FIXTURE TO BOTTOM OF CANOPY.
- 14 FULL HEIGHT SOFFIT WALL TO DECK ABOVE SHOWN DASHED - ALIGN FINISHED FACE WITH BACK WALL OF MOPUS.
- 15 PROVIDE STAINLESS STEEL ENCLOSURE PANEL BETWEEN PERIMETER OF HOOD AND ADJACENT WALLS/CEILINGS.
- 16 CENTER LIGHT FIXTURE OVER TABLE.
- 17 VESTIBULE HEATER, SEE ELECTRICAL FOR MORE INFORMATION.
- 18 TRUSS SUPPORT BEAM, SEE STRUCTURAL DRAWINGS FOR MORE INFO. FINISH TO MATCH DETAIL 2/A210.

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

SPEAKER SCHEDULE

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

CONDUIT GUIDELINES

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

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL

CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182966
COLUMBUS, OH 43218-2966
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PROJECT INFORMATION:

STORE NO.: #5558

"OWATONNA"
135 ALLAN AVE
OWATONNA, MN 55060

SEAL:

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

Matthew M. Wilkus LICENSE # 54678

DATE February 14, 2025

PROJECT NO. 2024-0266
DRAWN BY TRC
CHECKED BY DRL

ISSUE RECORD:

09/17/2024	PERMIT SET
10/24/2024	BID SET
12/02/2024	CONSTRUCTION SET

REVISIONS:

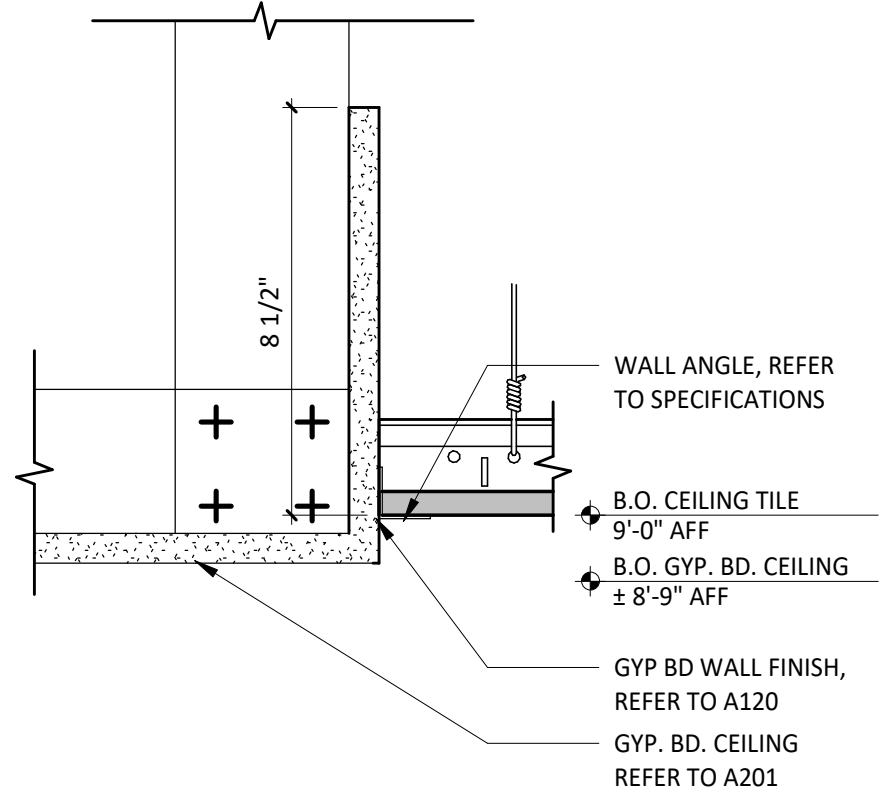
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7	02.14.2025	CB-02

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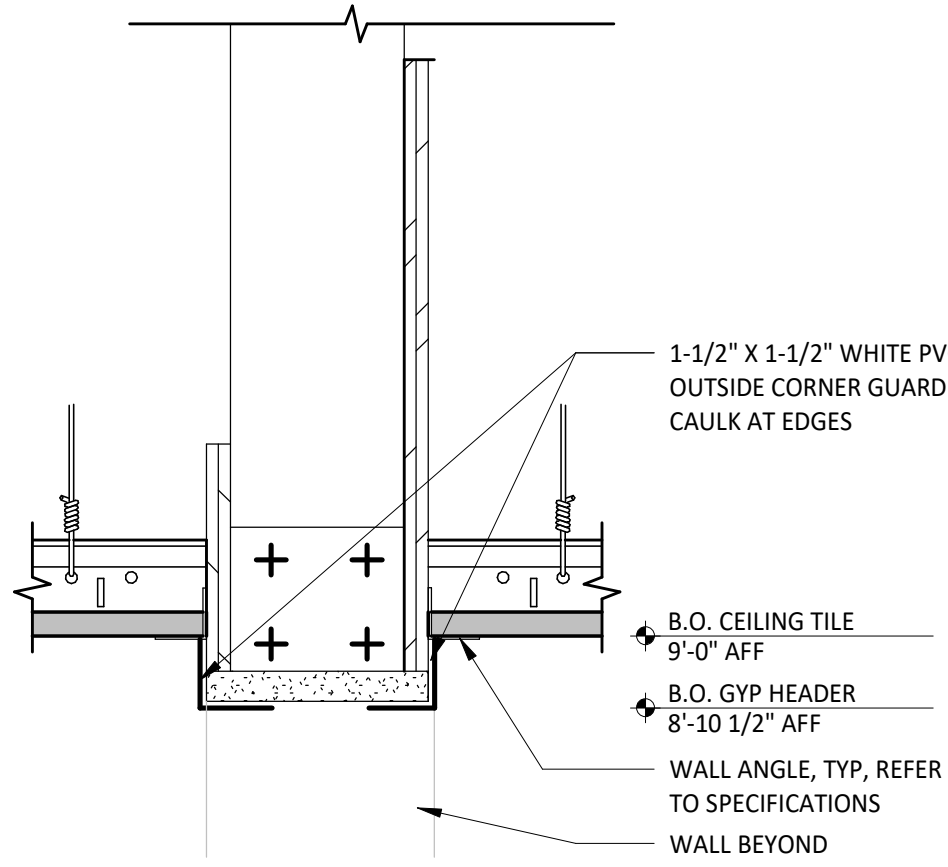
REFLECTED CEILING PLAN

SHEET NUMBER:

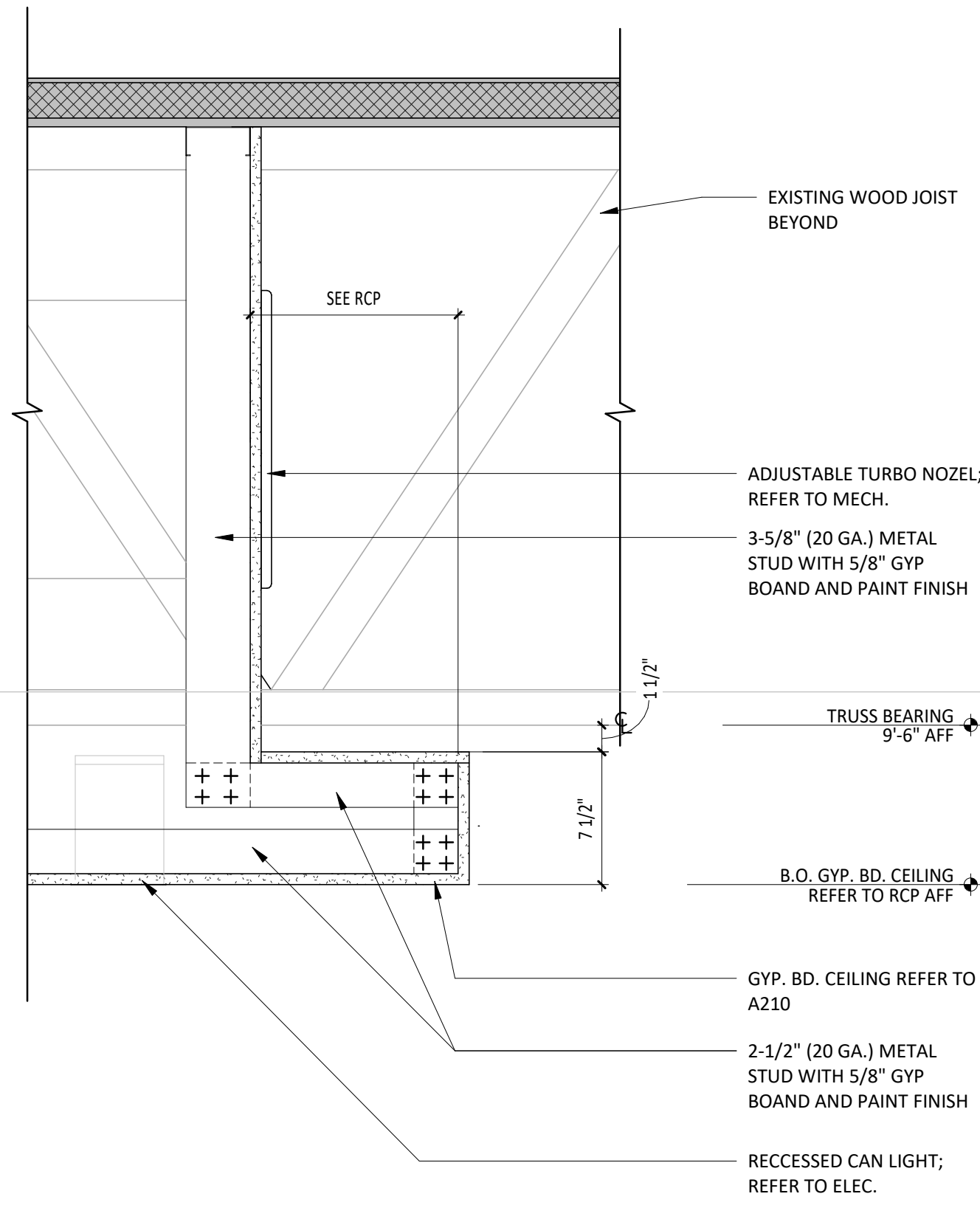
A201



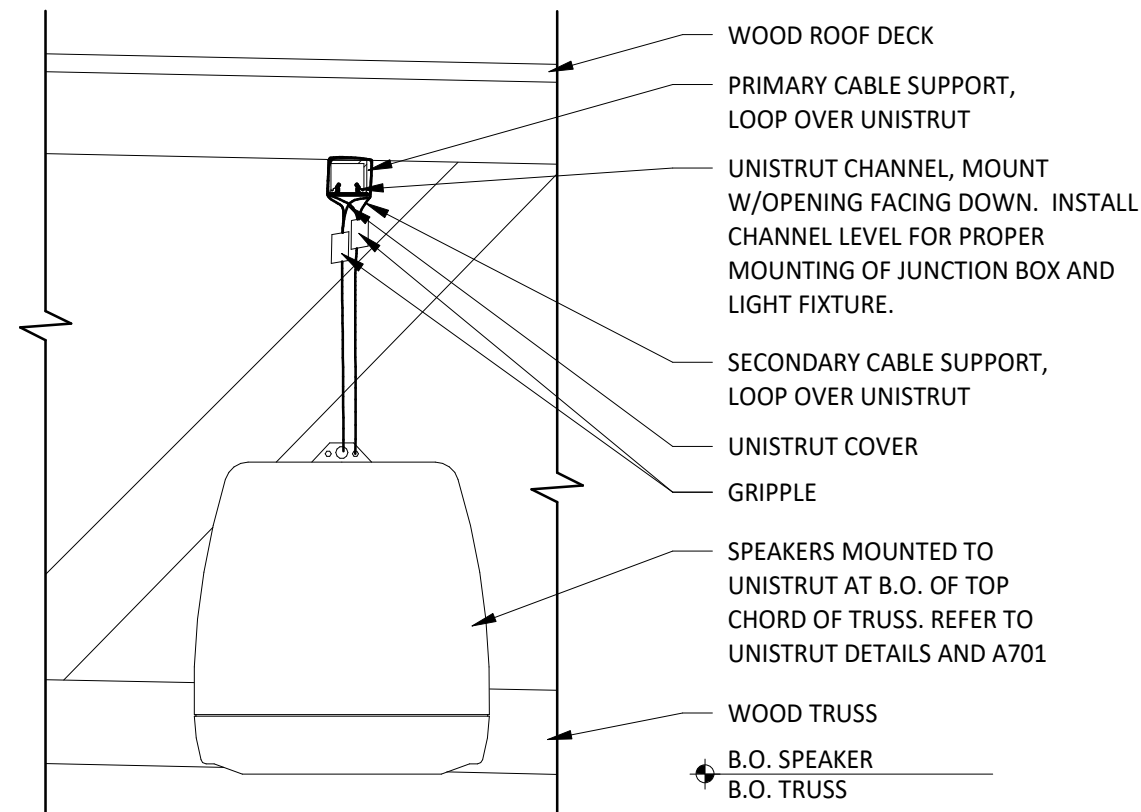
1 KITCHEN CEILING TRANSITION
SCALE: 3" = 1'-0"



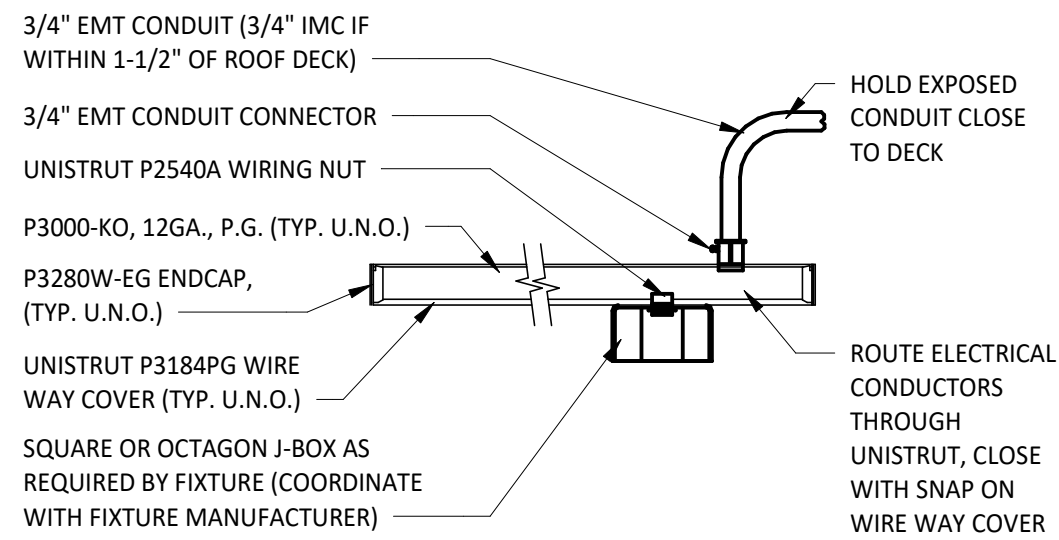
2 KITCHEN CEILING TRANSITION
SCALE: 3" = 1'-0"



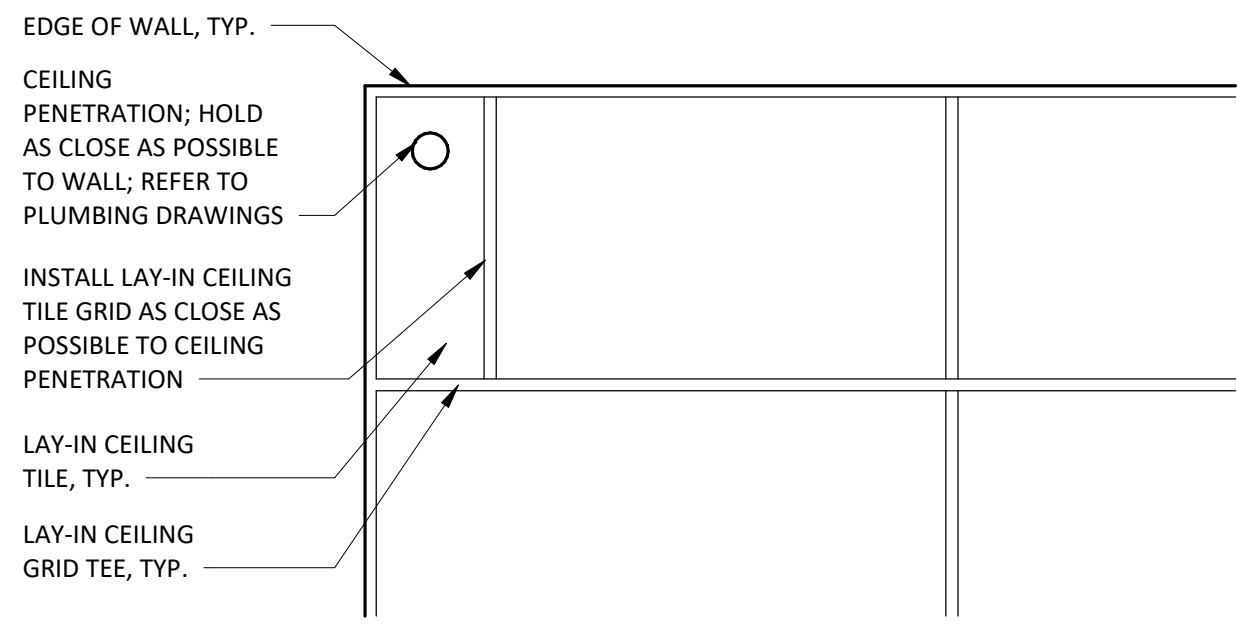
5 SECTION @ JOIST SHELF
SCALE: 1 1/2" = 1'-0"



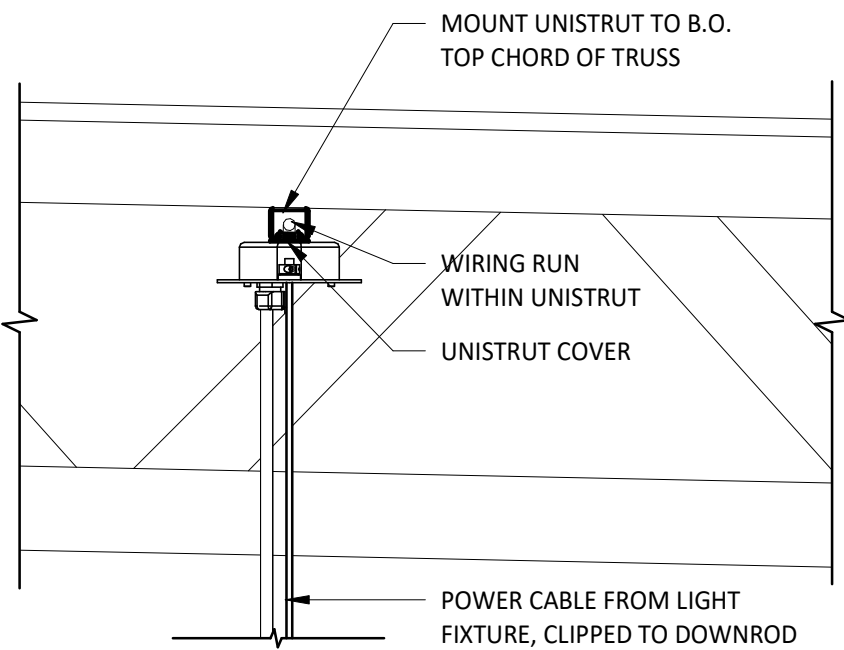
6 SUSPENDED SPEAKER INSTALLATION
SCALE: 1 1/2" = 1'-0"



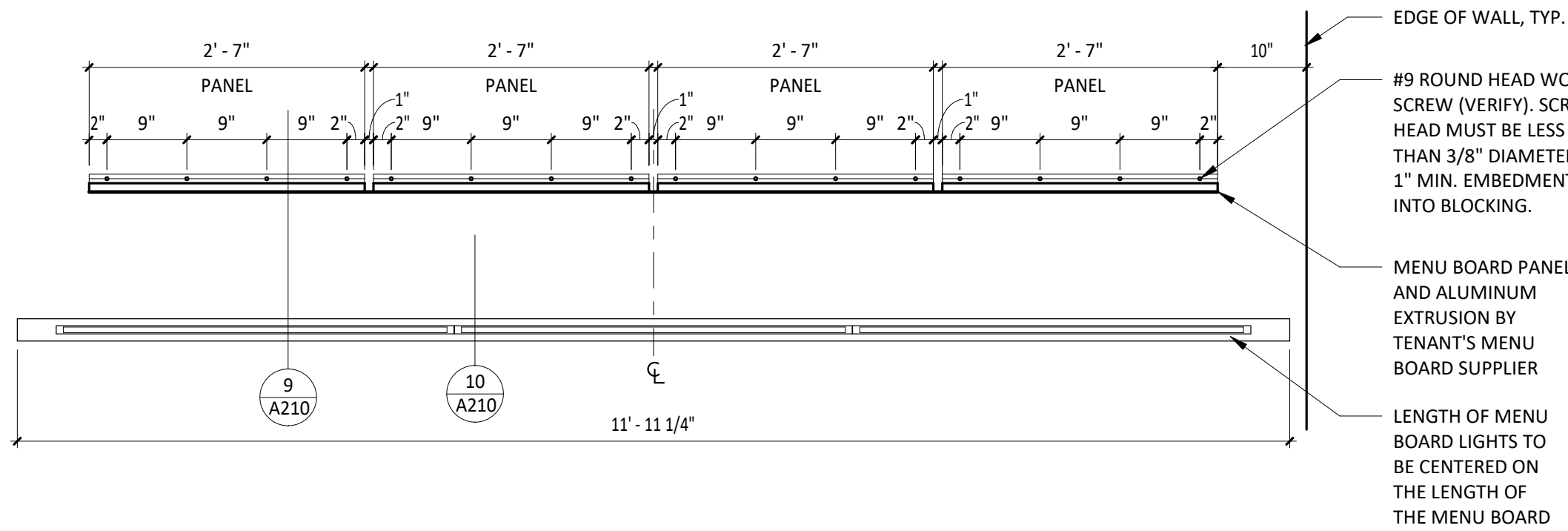
3 UNISTRUT MOUNTING DETAIL
SCALE: 1 1/2" = 1'-0"



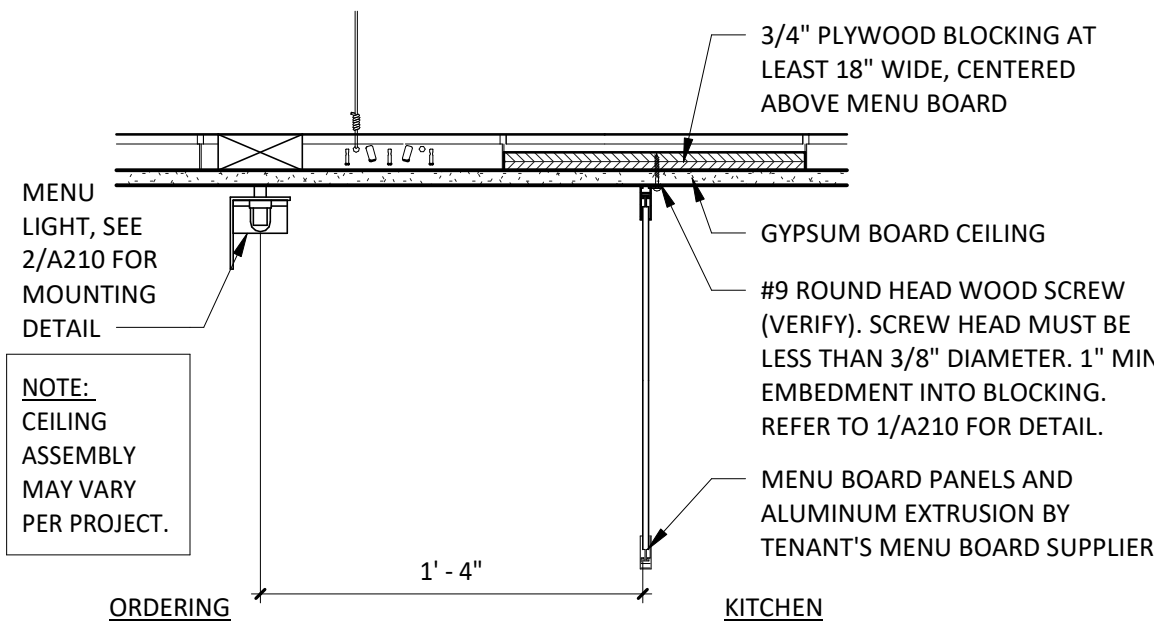
4 LAY-IN CEILING PENETRATION - PLAN DETAIL
SCALE: 3/4" = 1'-0"



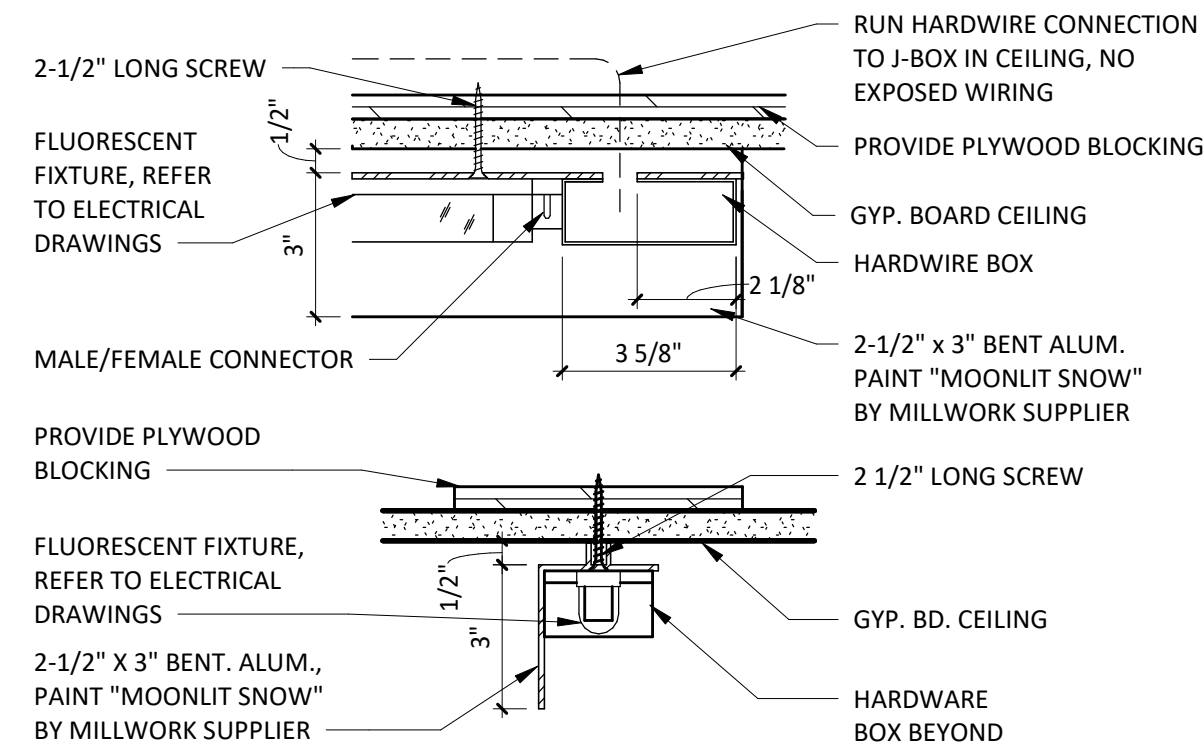
7 TYP. UNISTRUT MOUNTING DETAIL
SCALE: 1 1/2" = 1'-0"



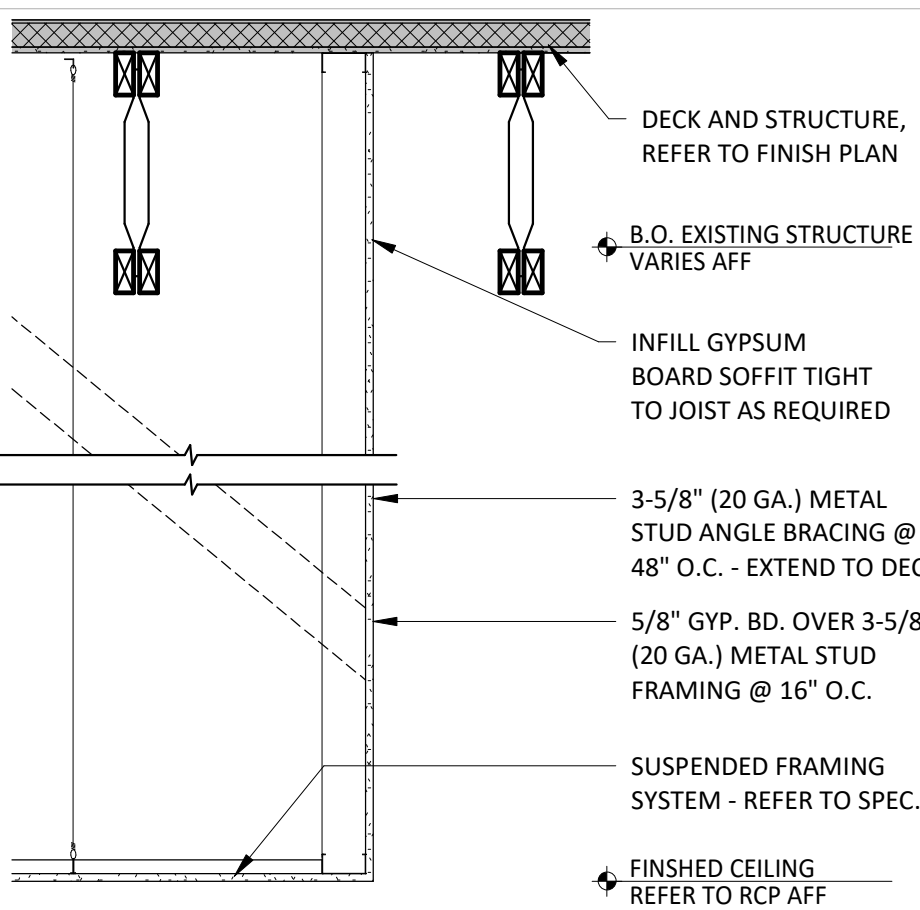
8 MENU - SCREW PATTERN PLAN
SCALE: 3/4" = 1'-0"



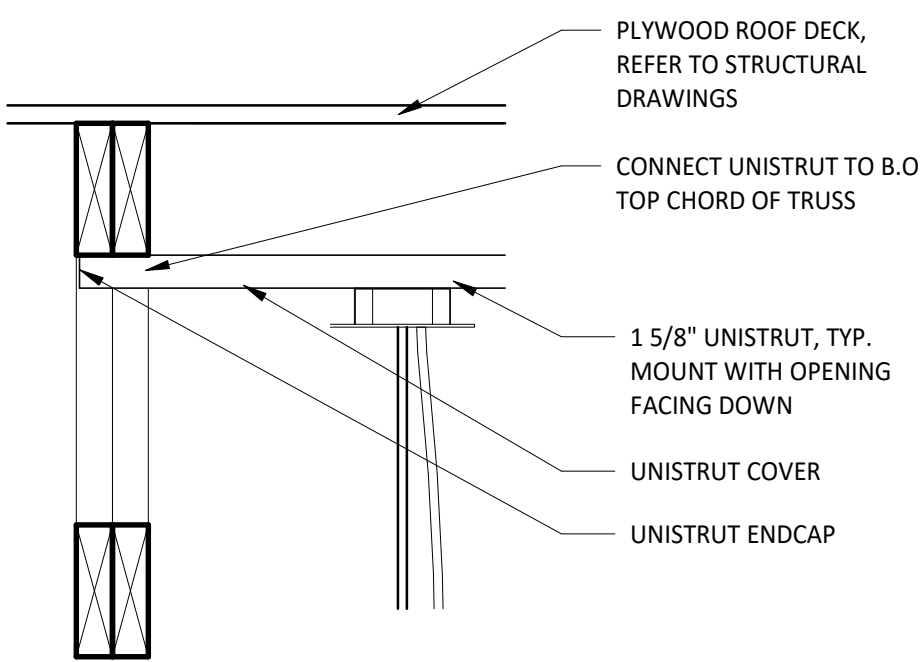
9 MENU BOARD DETAIL
SCALE: 1 1/2" = 1'-0"



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



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



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



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PROJECT INFORMATION:

STORE NO.: #5558
"OWATONNA"
135 ALLAN AVE
OWATONNA, MN 55060

SEAL:

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

Matthew M. Wilkus LICENSE # 54678

DATE January 06, 2025

PROJECT NO. 2024-0266
DRAWN BY TRC
CHECKED BY DRL

ISSUE RECORD:
09/17/2024 PERMIT SET
10/24/2024 BID SET
12/02/2024 CONSTRUCTION SET

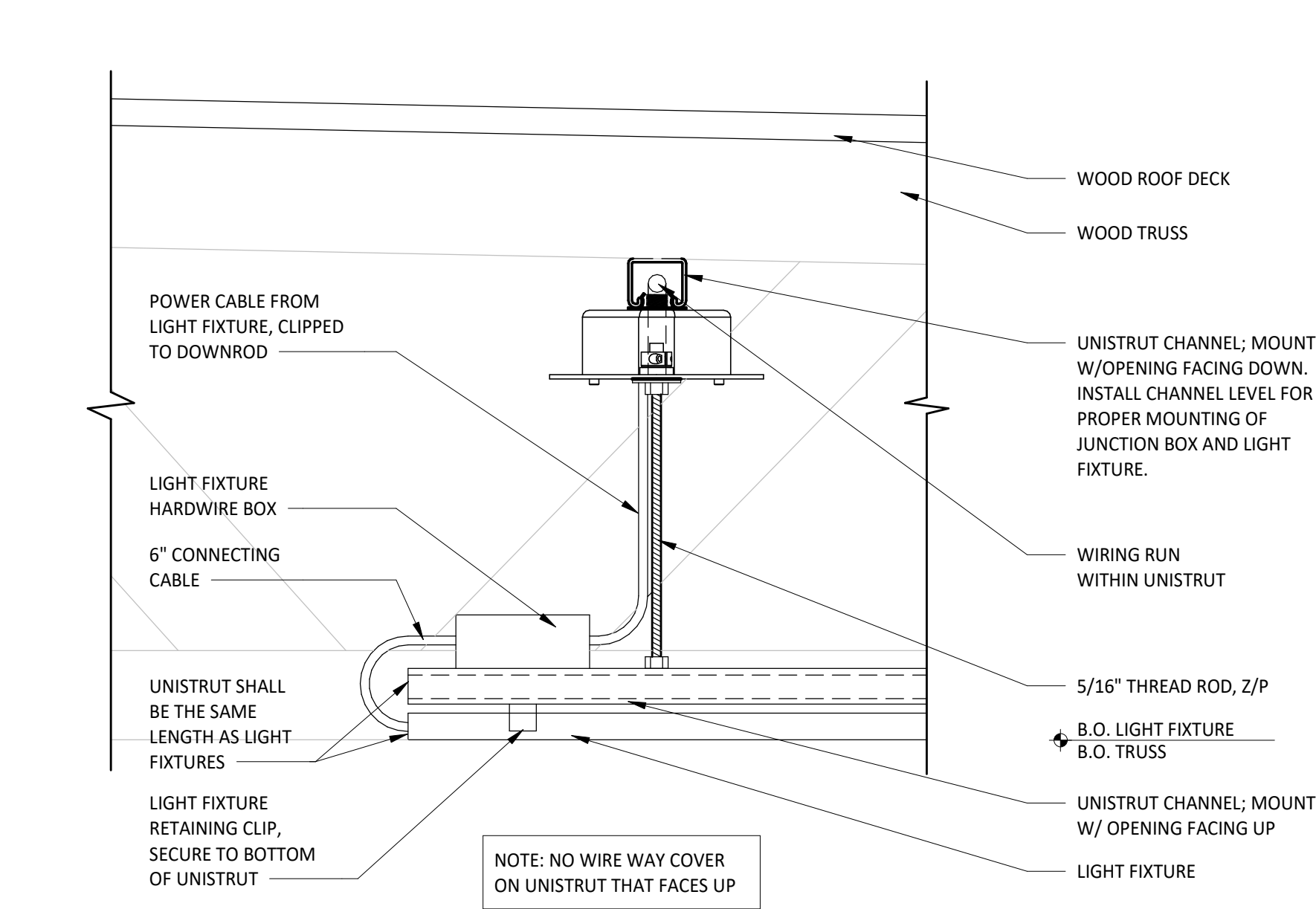
REVISIONS:

6 01.06.2025 CB-01

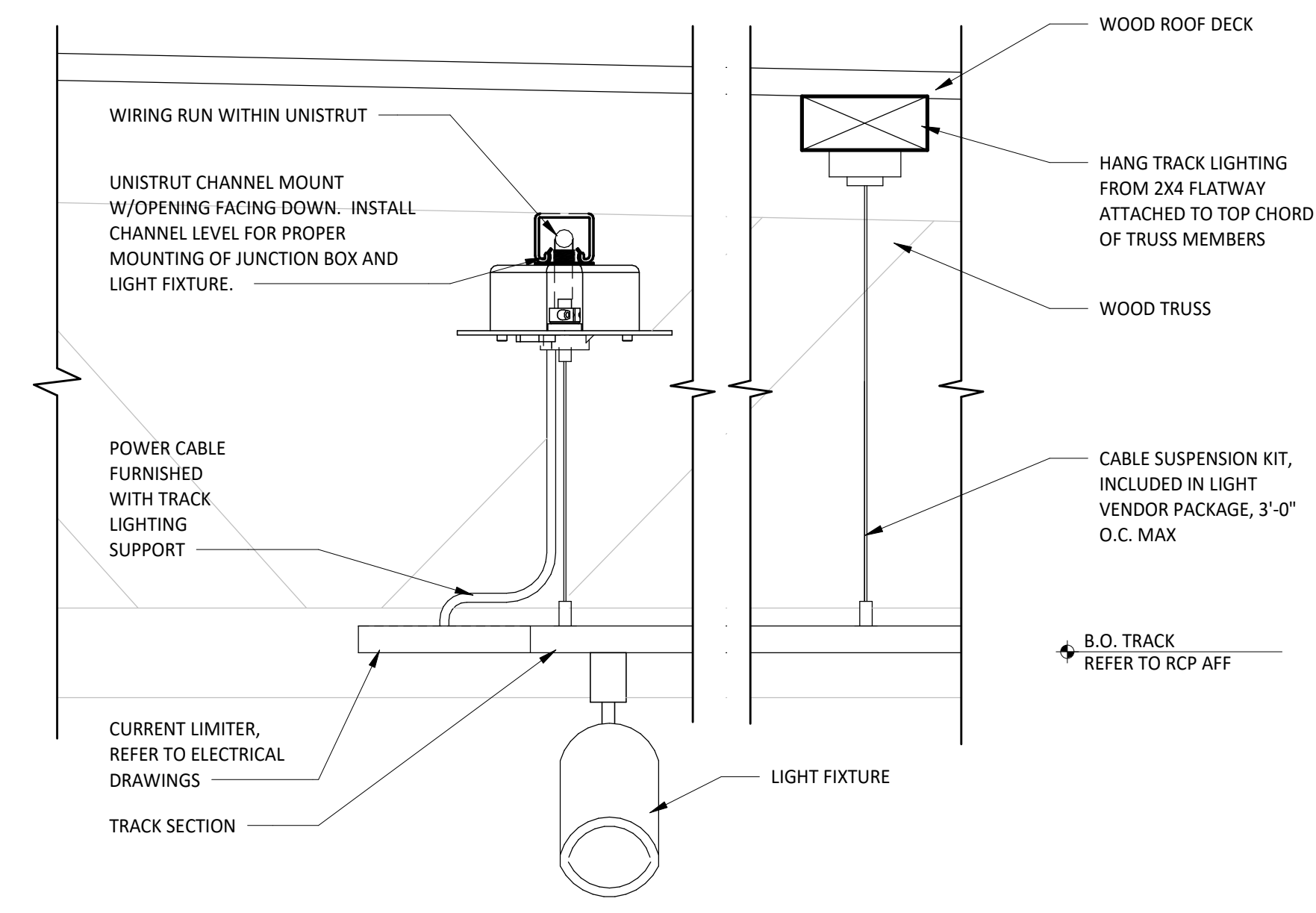
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CEILING DETAILS

SHEET NUMBER:

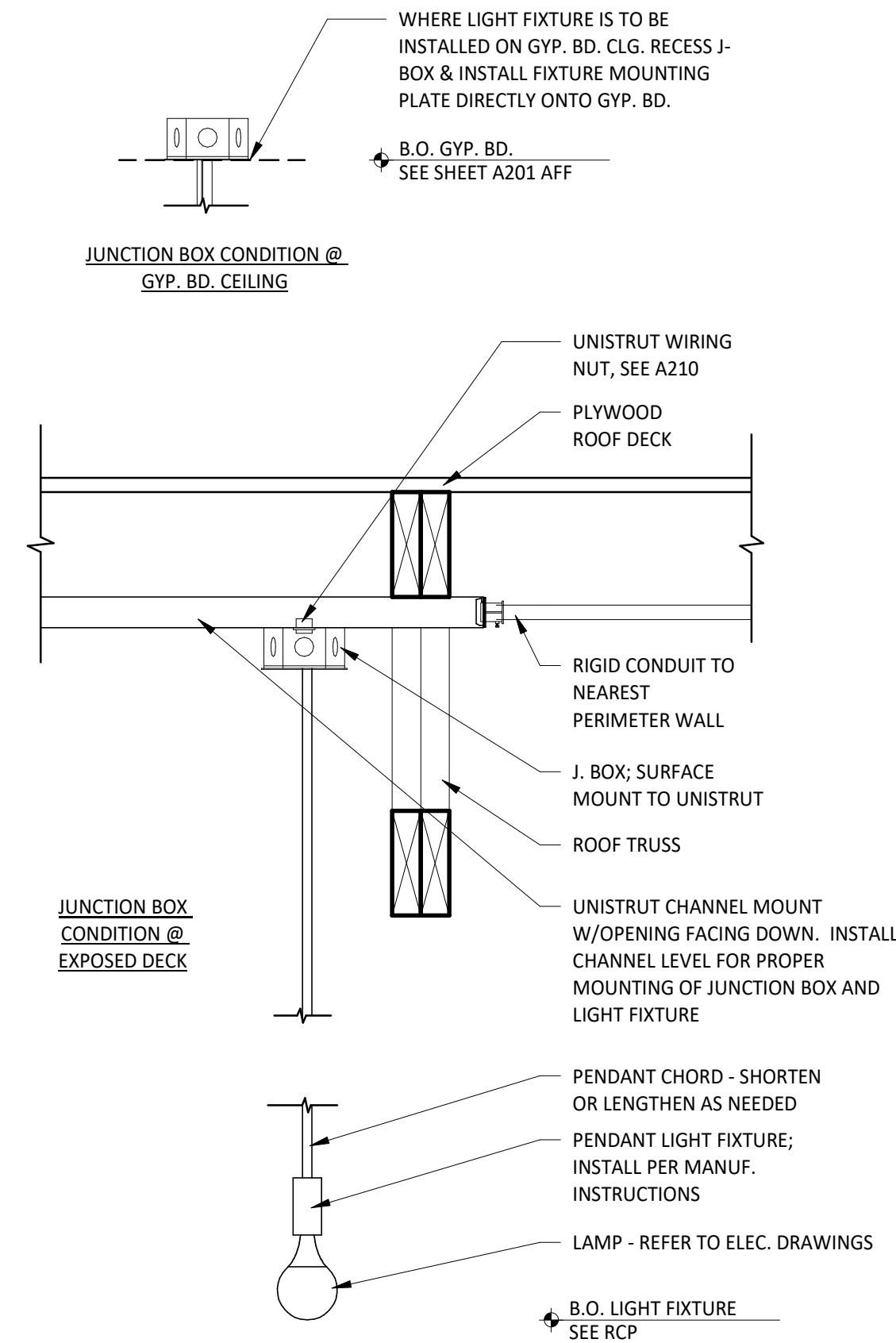
A210



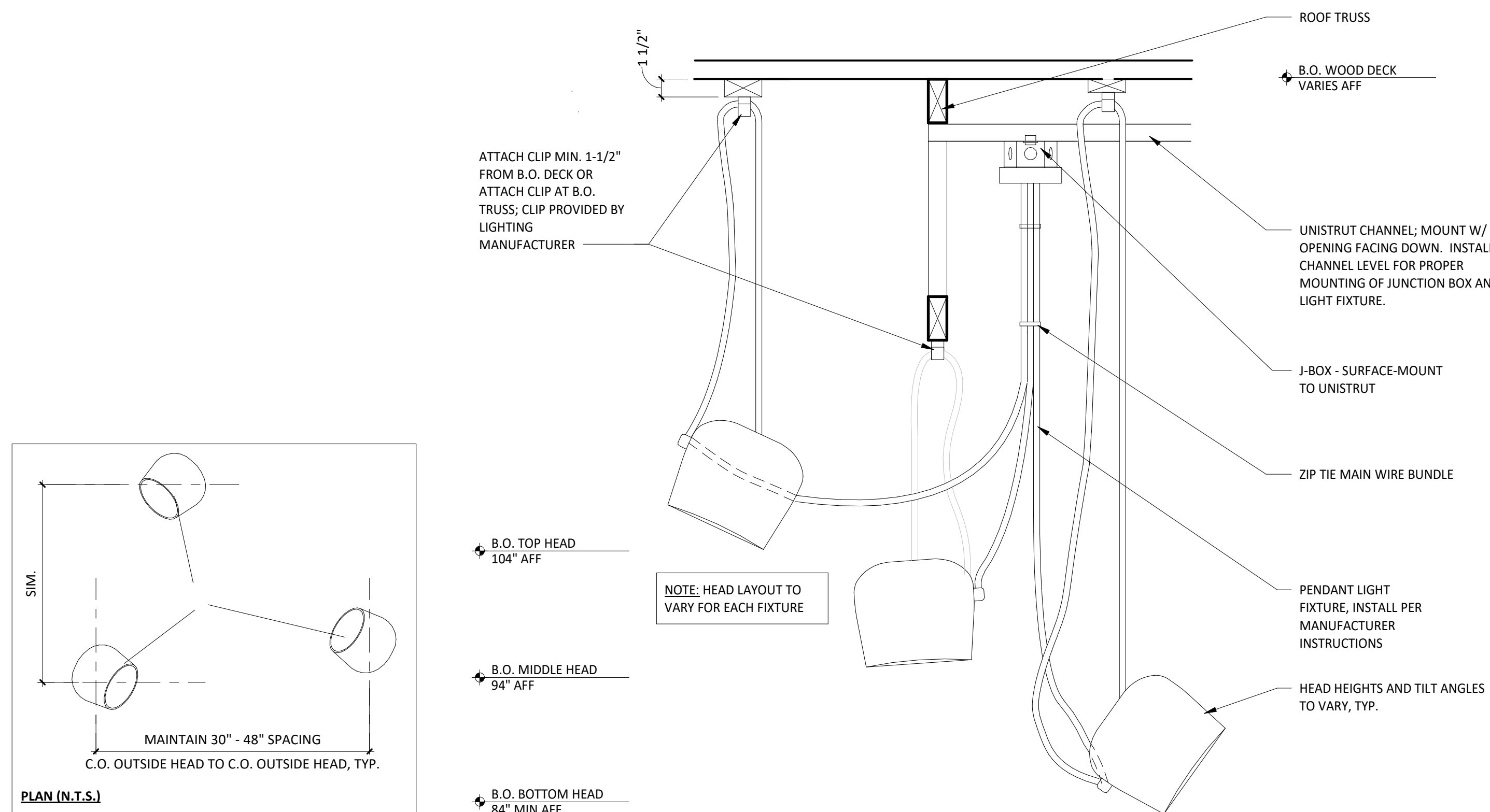
1 SUSPENDED STRIP LIGHT CONNECTION DETAIL
SCALE: 3" = 1'-0"



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



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



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



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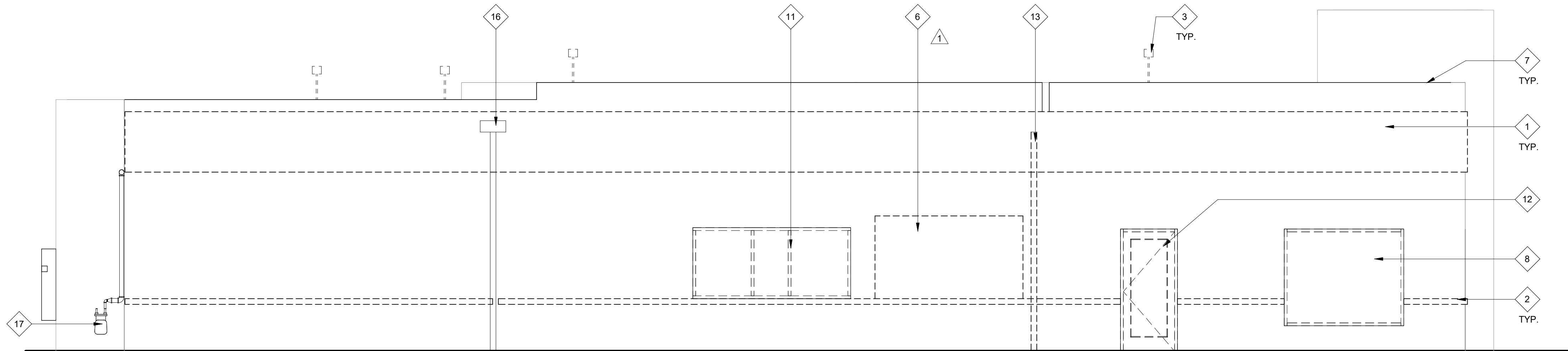
REVISIONS:

TITLE:
LIGHTING DETAILS

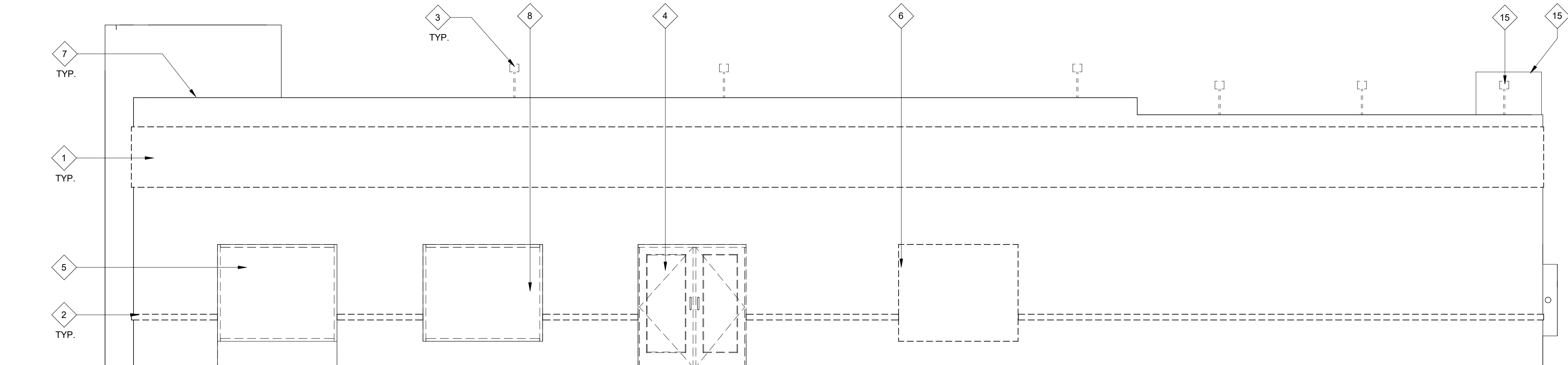
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A211

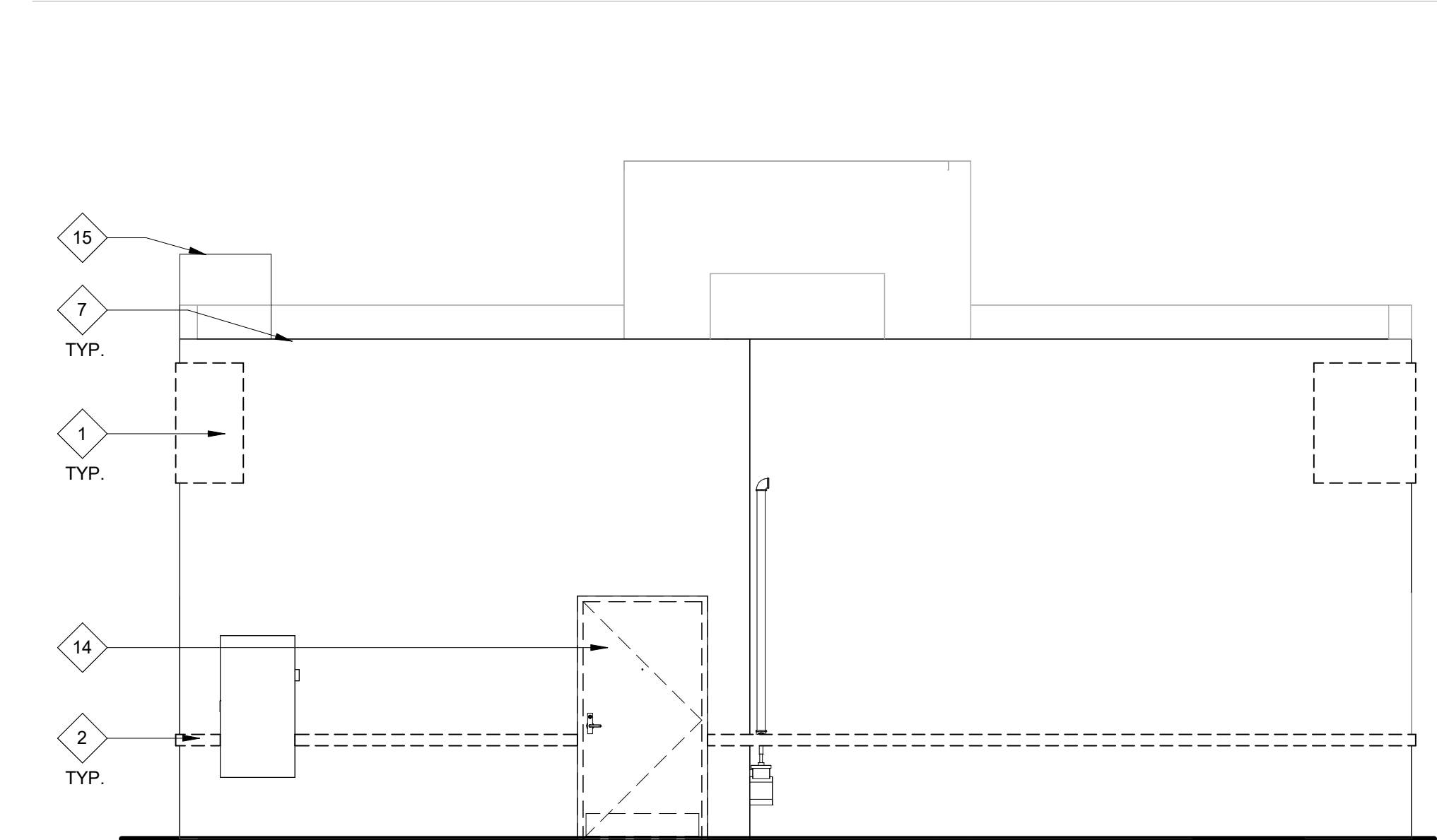
REPAIR/REPLACE ALL DAMAGED
EXISTING EIFS AND PREP ALL SURFACES
FOR NEW FINISHES



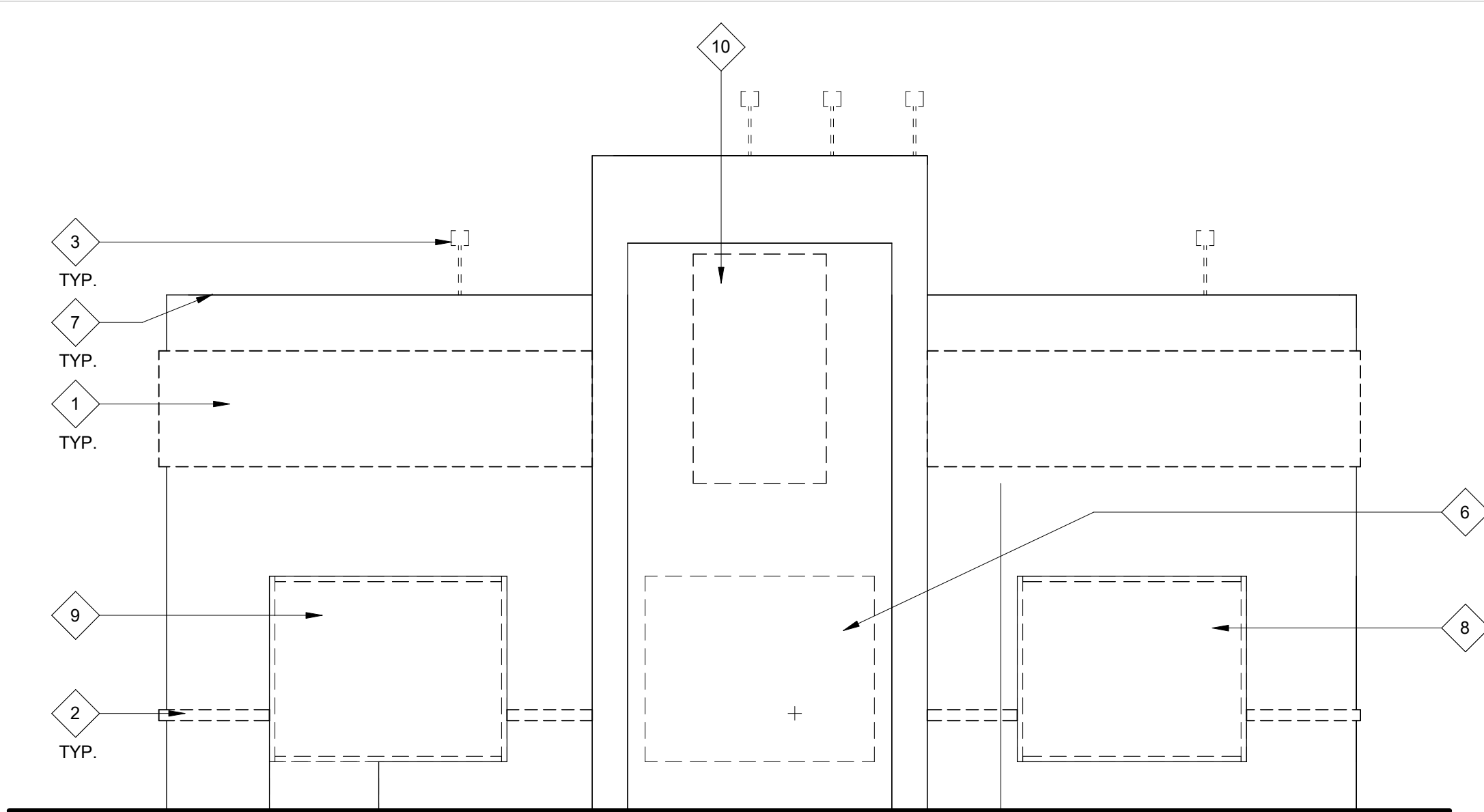
1 NORTH EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



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



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



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

GENERAL NOTES - DEMO

- DEMOLISHED MATERIALS SHALL BECOME THE GENERAL CONTRACTOR'S PROPERTY AND SHALL BE REMOVED FROM THE SITE WITH FURTHER DISPOSITION AND RECYCLED BY THE GENERAL CONTRACTOR'S OPTION, UNLESS NOTED OTHERWISE.
- SURVEY THE CONDITION OF THE BUILDING TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF THE STRUCTURE OR ADJACENT STRUCTURES DURING SELECTIVE DEMOLITION.
- PERFORM SURVEYS AS THE WORK PROGRESSES TO DETECT HAZARDS RESULTING FROM SELECTIVE DEMOLITION ACTIVITIES.
- MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS.
- CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMAL INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES. REMOVE & TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. PROMPTLY DISPOSE OF DEMOLISHED AMTERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON SITE.
- PROVIDE TEMPORARY WEATHER PROTECTION, DURING INTERVAL BETWEEN DEMOLITION, REMOVAL OF EXISTING EXTERIOR CONSTRUCTION AND NEW CONSTRUCTION TO ENSURE THAT NO WATER DAMAGE OCCURS TO STRUCTURE OR INTERIOR AREAS.
- TOTAL SCOPE OF DEMOLITION MAY NOT BE COVERED ON THIS SHEET. REVIEW ALL SHEETS IN THIS DRAWING SET TO DETERMINE TOTAL SCOPE OF DEMOLITION.
- REMOVE & TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
- TRANSPORT DEMOLISHED MATERIALS OFF OWNER'S PROPERTY AND LEGALLY DISPOSE OF THEM.
- CLEAN ALL HORIZONTAL SURFACES OF ACCUMULATED DUST AND DEBRIS.
- ALL DEMOLITION ITEMS ON THIS SHEET TO BE PERFORMED BY CHIPOTLE'S GENERAL CONTRACTOR, UNLESS NOTED OTHERWISE.
- COORDINATE ALL DEMOLITION ACTIVITY WITH BUILDING OWNER'S REPRESENTATIVE. SOME DEMOLITION ACTIVITIES MAY BE REQUIRED TO BE PERFORMED ON PREMIUM TIME.
- CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS TO PROTECT ALL ADJACENT AND REMAINING BUIDLING COMPONENTS.
- EXISTING FOUNDATIONS TO BE PROTECTED AND UNDISTURBED. UNLESS OTHERWISE NOTED.
- ALL SALVAGED ITEMS, INCLUDING BUT NOT LIMITED TO LINES, ELECTRICAL PANELS, MAIN COPPER CONDUIT, ETC. SHALL BE CAREFULLY DISASSEMBLED/DISCONNECTED AND STORED IN A SECURE LOCATION FOR POSSIBLE REUSE.
- IDENTIFIED SELECTIVE DEMOLITION IS FOR REFERENCE ONLY. ADDITIONAL DEMOLITION MAY BE REQUIRED TO ACCOMMODATE NEW LAYOUT; REFER TO NEW WORK PLANS AND ELEVATIONS. ALL DIMENSIONS SHOWN SHOULD BE VERIFIED IN THE FIELD.
- MAINTAIN EXISTING SPRAY-ON FIREPROOFING OF EXISTING STRUCTURE AND FIRE RATED ASSEMBLIES. ANY COMPROMISE OF EXISTING FIRE RATING SHALL BE PATCHED AND REPAIRED TO ORIGINAL CONDITION.
- ANY EXISTING FINISHED SURFACES TO REMAIN THAT ARE AFFECTED BY SELECTIVE DEMOLITION SHALL BE PATCHED TO MATCH EXISTING ADJACENT SURFACES UNLESS CONCEALED BY NEW CONSTRUCTION.
- UTILITIES ABANDONED SHALL BE REMOVED AND CAPPED BEHIND FINISHED SURFACES.
- IN SHARED SPACES WITH OTHER TENANTS, SEAL ALL INTAKE AND EXHAUST AIR PRIOR TO DEMOLITION.
- ALL EXISTING EXTERIOR DOORS, FRAMES AND STOREFRONT TO REMAIN, UNLESS OTHERWISE NOTED.

KEYNOTE LEGEND

- EXISTING EIFS DECORATIVE BANDING TO BE REMOVED, PREP SURFACE FOR INSTALLTION OF NEW EIFS.
- EXISTING EIFS BANDING TO BE REMOVED, PATCH AND REPAIR AS NEEDED.
- EXISTING GOOSENECK BUILDING LIGHTING TO BE REMOVED.
- EXISTING 6'-0" ENTRY DOORS TO BE REMOVED, PREP OPENING FOR INSTALLATION OF NEW ALUMINUM STOREFRONT. INFILL AT THE BOTTOM TO MATCH EXISTING STOREFRONT HEIGHTS.
- EXISTING ALUMINUM STOREFRONT AND PORTION OF EXTERIOR WALL TO BE REMOVED. PREP OPENING FOR INSTALLATION OF NEW 6'-0" ENTRY DOORS, AND INFILL OPENING AS NEEDED.
- DEMO PORTION EXTERIOR WALL TO CREATE OPENING FOR NEW ALUMINUM STOREFRONT.
- EXISTING PARAPET METAL COPING TO BE REMOVED, PREP FOR INSTALLATION OF NEW COPING.
- EXISTING ALUMINUM GLAZING TO BE REMOVED, PREP OPENING FOR INSTALLATION OF NEW STOREFRONT.
- EXISTING ALUMINUM STOREFRONT AND PORTION OF EXTERIOR WALL TO BE REMOVED. PREP OPENING FOR INSTALLATION OF NEW 3'-0" SECONDARY DOOR, AND GLAZING.
- EXISTING SIGN PANEL TO BE REMOVED.
- EXISTING PICK-UP WINDOW TO BE REMOVED, INFILL AND PREP FOR NEW PAINT.
- EXISTING 3'-0" SECONDARY DOOR TO BE REMOVED, INFILL AND PREP FOR NEW PAINT.
- EXISTING ROOF TOP DRAIN TO BE REMOVED, PATCH OPENING AND PREP FOR INSTALLATION OF NEW RELOCATED DRAIN.
- EXISTING REAR 3'-6" SERVICE DOOR, FRAME, AND HARDWARE TO BE REMOVED, PREP OPENING FOR INSTALLATION OF NEW 3'-6" HOLLOW METAL SERVICE DOOR.
- EXISTING SAFETY RAILING TO BE REUSED - REMOVED AND PREP FOR PAINT.
- EXISTING OVERFLOW SCUPPER, COLLECTOR BOX AND DOWNSPOUT TO REMAIN.
- EXISTING GAS METER TO REMAIN.

CONSULTANT:



CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182966
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TELEPHONE: (614) 335-2492
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: #5558
"OWATONNA"
135 ALLAN AVE
OWATONNA, MN 55060

SEAL:

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

Matthew M. Wilkus LICENSE # 54678

DATE January 06, 2025

PROJECT NO. 2024-0266
DRAWN BY TRC
CHECKED BY DRL

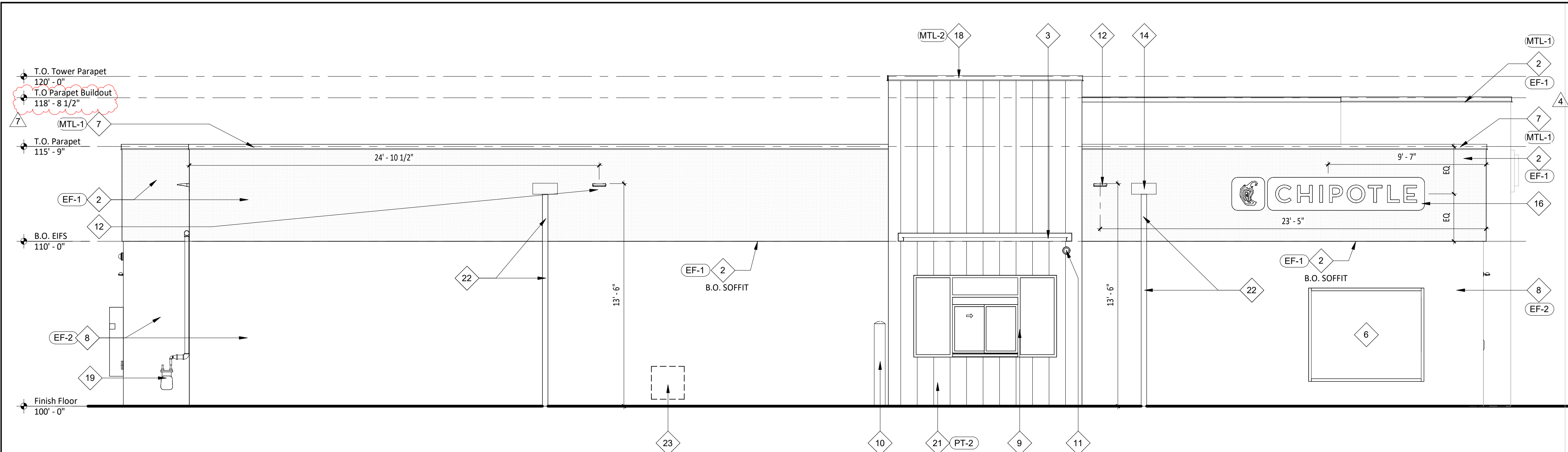
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10/24/2024 BID SET
12/02/2024 CONSTRUCTION SET

REVISIONS:
1 10.14.2024 Client Comments

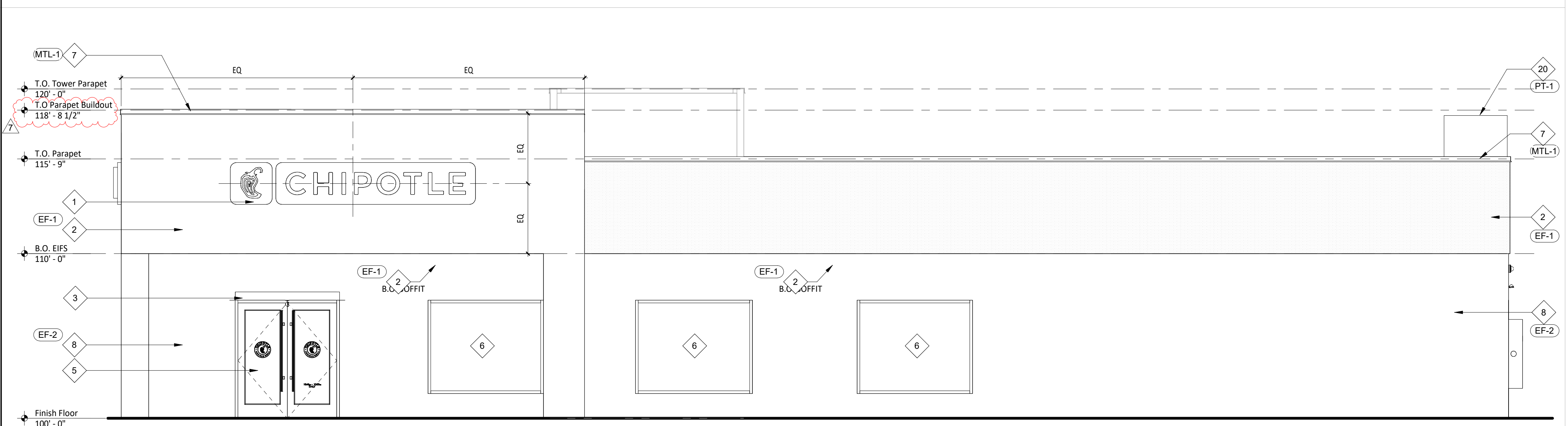
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DEMOLITION
EXTERIOR
ELEVATIONS

SHEET NUMBER:

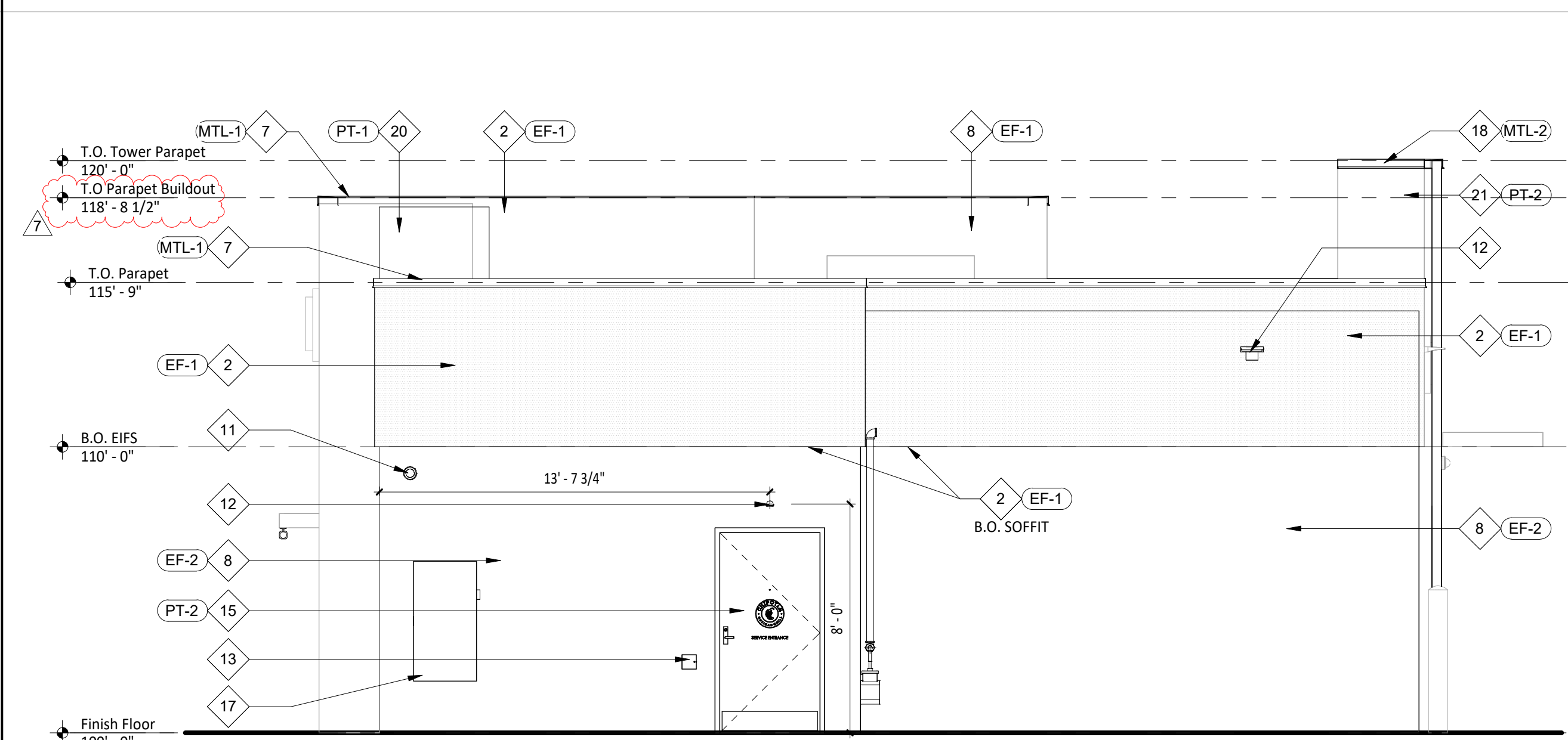
A300



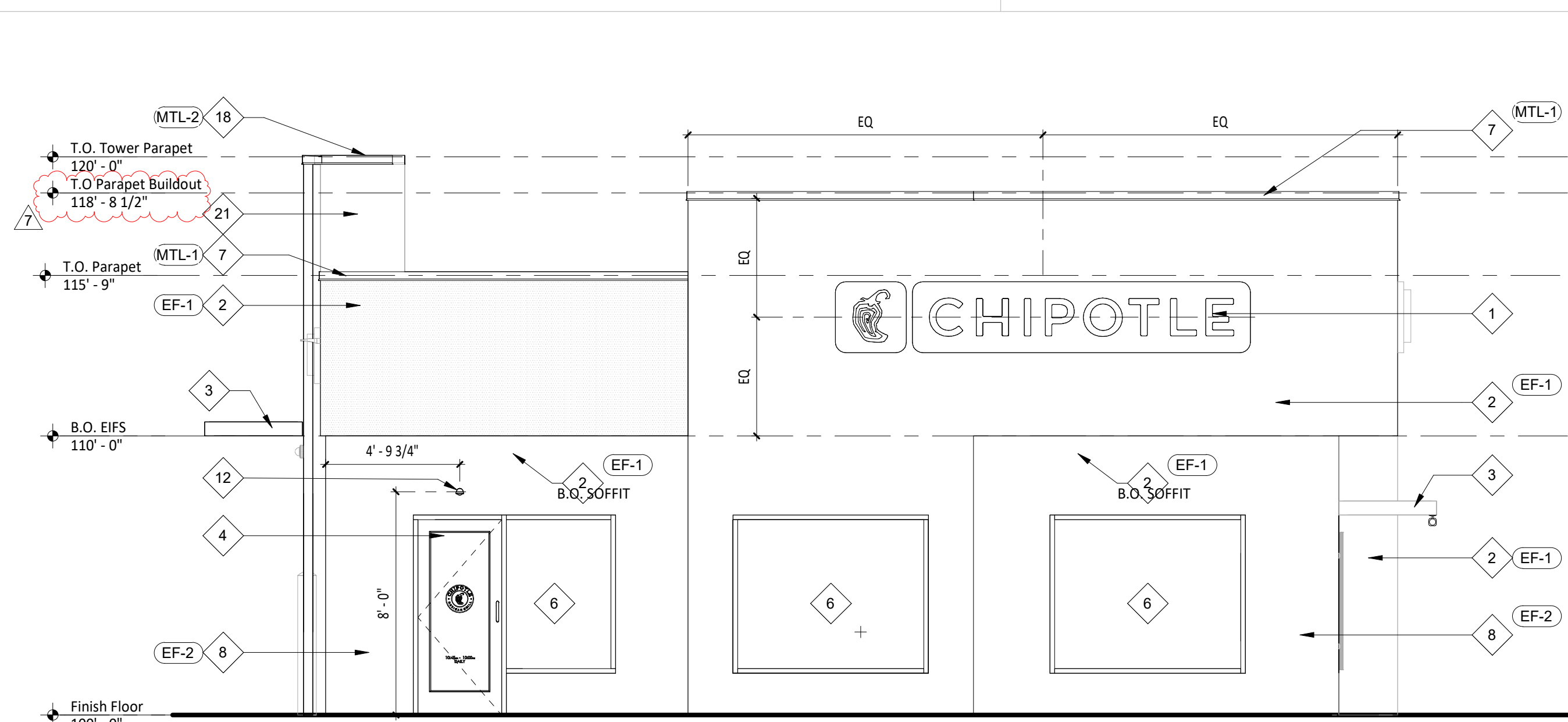
1 EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



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



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



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

GENERAL NOTES - EXT. ELEV.

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

KEYNOTE LEGEND

1	LOCATION OF TENANTS B-3 SIGNAGE - GENERAL CONTRACTOR TO COORDINATE BLOCKING REQUIREMENTS WITH SIGNAGE VENDOR.
2	EIFS - REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3	PREFINISHED METAL CANOPY WITH INTEGRATED LIGHTING, MATCH STOREFRONT COLOR.
4	3'-0" PREFINISHED ALUMINUM WIDE STILE STOREFRONT SECONDARY DOORS.
5	3'-0" PREFINISHED ALUMINUM WIDE STILE STOREFRONT ENTRY DOORS, WOOD HANDLE PROVIDED BY CHIPOTLE MILLWORK SUPPLIER.
6	THERMALLY BROKEN ALUMINUM STOREFRONT SYSTEM WITH 1" INSULATED GLAZING - CAULK AROUND ENTIRE PERIMETER OF OPENINGS, COLOR: CHARCOAL.
7	PREFINISHED METAL COPING, INSTALLED BY GENERAL CONTRACTOR.
8	EXISTING EIFS TO BE PAINTED.
9	PREFINISHED DARK BRONZE ALUMINUM PASS-THRU WINDOW WITH INTEGRATED INTERIOR AIR CURTAIN, TRANSOM AND SIDELITES - CAULK AROUND ENTIRE PERIMETER OF OPENING.
10	8" CONCRETE SAFETY BOLLARD - PAINT 'KNIGHTS ARMOR'
11	LOCATION OF SECURITY CAMERAS (BY CHIPOTLE).
12	EXTERIOR LIGHT FIXTURE.
13	LOCATION OF REMOTE CO2 FILLER - INSTALL BETWEEN 36" AND 48" ABOVE FINISHED GRADE - VERIFY LOCATION WITH CHIPOTLE CONSTRUCTION MANAGER.
14	NEW ROOF SCUPPER, COLLECTION BOX, AND DOWNSPOUT TO MATCH EXISTING.
15	INSULATED HOLLOW METAL DOOR AND FRAME - CAULK AROUND ENTIRE PERIMETER OF OPENING, PAINT DOOR AND FRAME.
16	LOCATION OF TENANTS C-3 SIGNAGE - GENERAL CONTRACTOR TO COORDINATE BLOCKING REQUIREMENTS WITH SIGNAGE VENDOR.
17	EXISTING ELECTRICAL METER AND SHUT-OFF PANEL TO REMAIN - PAINT TO MATCH ADJACENT FINISH.
18	PREFINISHED SHEET METAL COPING.
19	EXISTING GAS METER, PAINT EXPOSED PIPE TO MATCH NEW FINISHES.
20	EXISTING SAFETY RAILING, RE-INSTALLED ON NEW METAL COPING.
21	MBCI METAL PANEL.
22	PAINT TO MATCH EIFS BEHIND.
23	REPAIR EIFS, INVESTIGATE CAUSE OF DAMAGE, REPAIR AS NECESSARY.

EXTERIOR FINISH SCHEDULE			
FINISH	MATERIAL	COLOR	REMARKS
EF-1	EIFS	MATCH PT-1	
EF-2	EIFS	MATCH PT-2	
MTL-1	PREFINISHED METAL COPING	PPG #1010-2 "FOG"	TO MATCH ADJACENT FINISH
MTL-2	PREFINISHED METAL COPING	PPG #1001-6 "KNIGHT'S ARMOR"	TO MATCH ADJACENT FINISH
PT-1	PAINT	PPG #1010-2 "FOG"	FLAT FINISH
PT-2	PAINT	PPG #1001-6 "KNIGHT'S ARMOR"	FLAT FINISH

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL

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PROJECT INFORMATION:

STORE NO.: #5558
"OWATONNA"
135 ALLAN AVE
OWATONNA, MN 55060

SEAL:

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

Matthew M. Wilkus LICENSE # 54678
DATE February 14, 2025

PROJECT NO. 2024-0266
DRAWN BY TRC
CHECKED BY DRL

ISSUE RECORD:

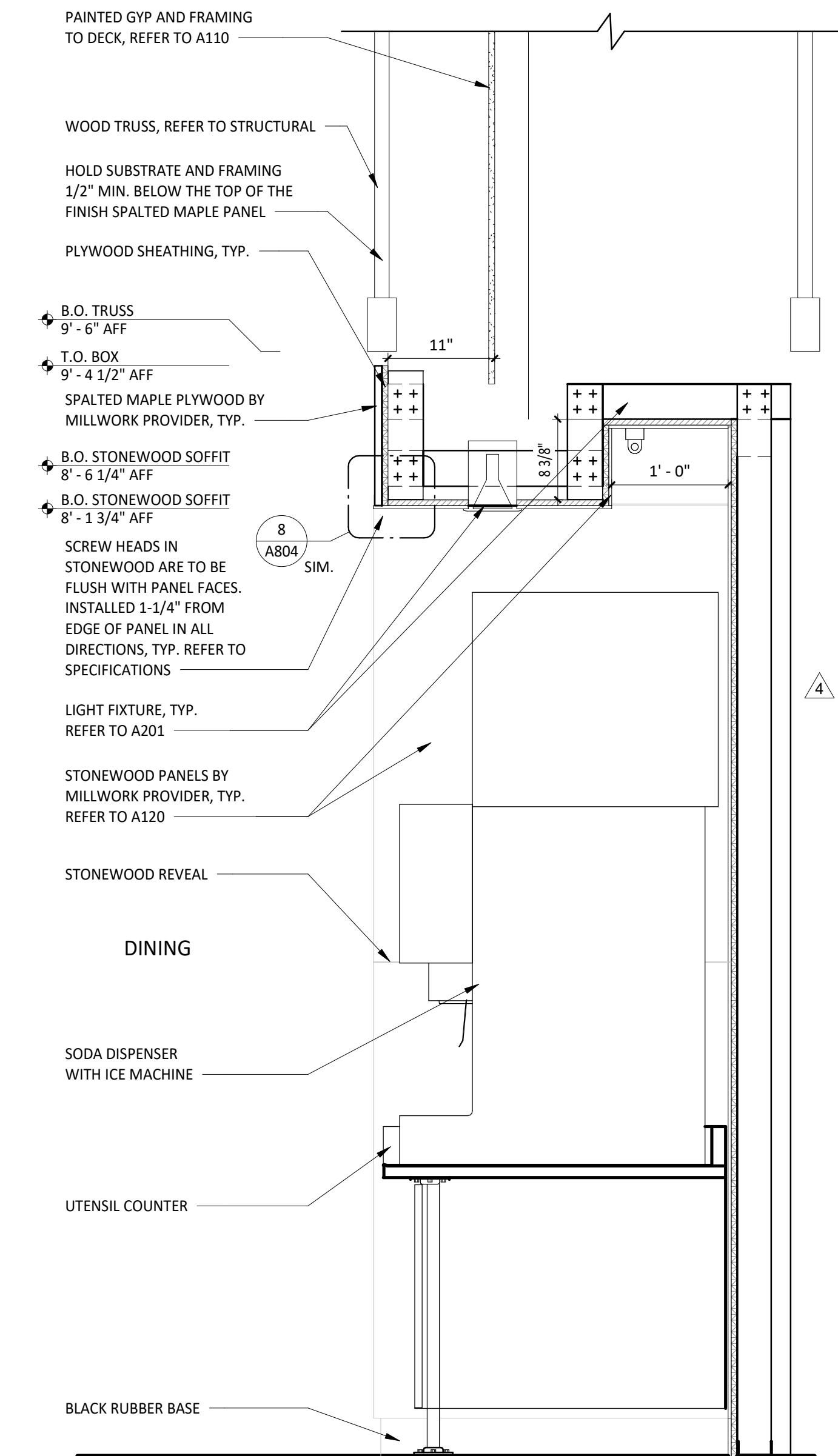
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10/24/2024	BID SET
12/02/2024	CONSTRUCTION SET

REVISIONS:

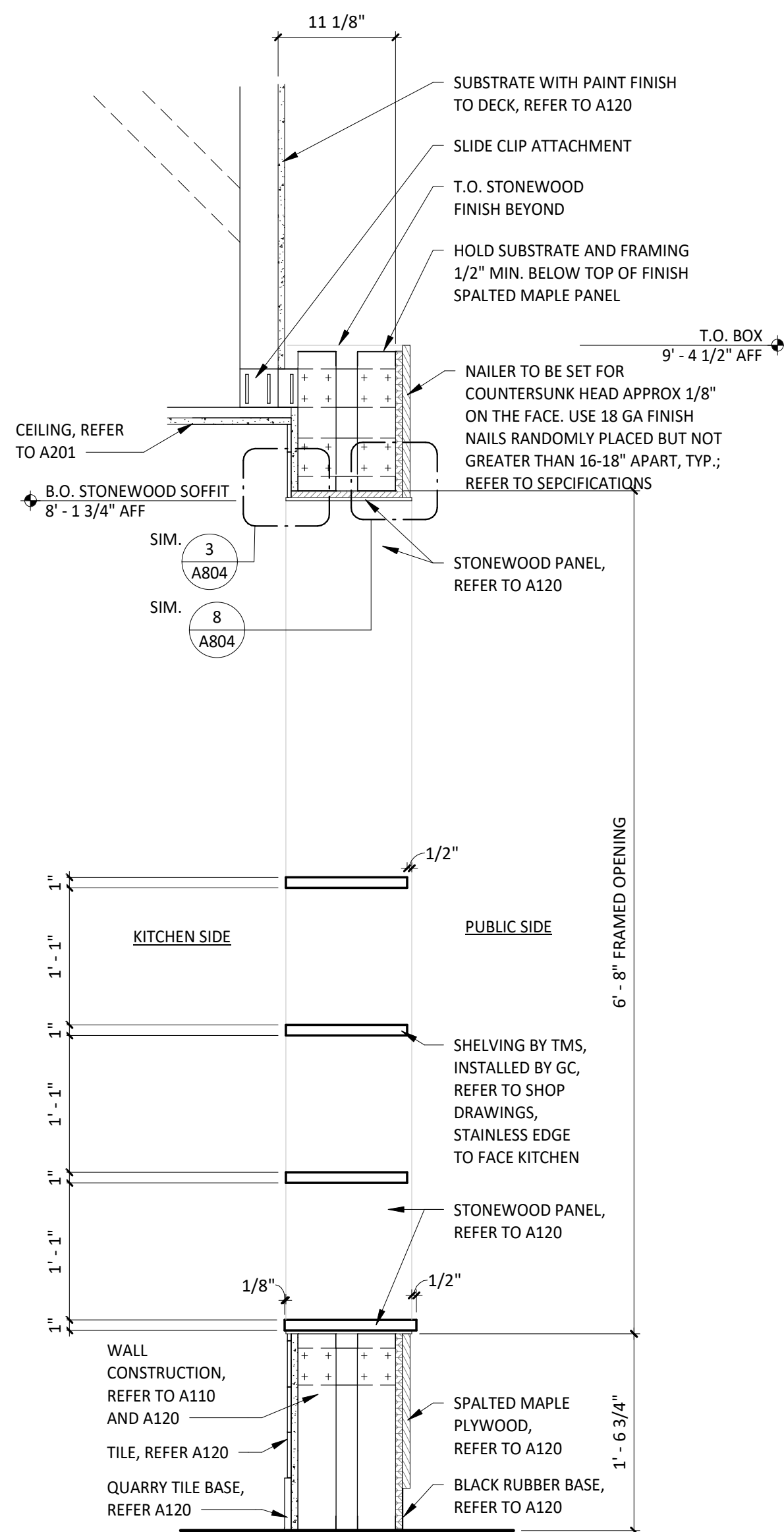
4	11.12.2024	Client Updates
7	02.14.2025	CB-02

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EXTERIOR ELEVATIONS

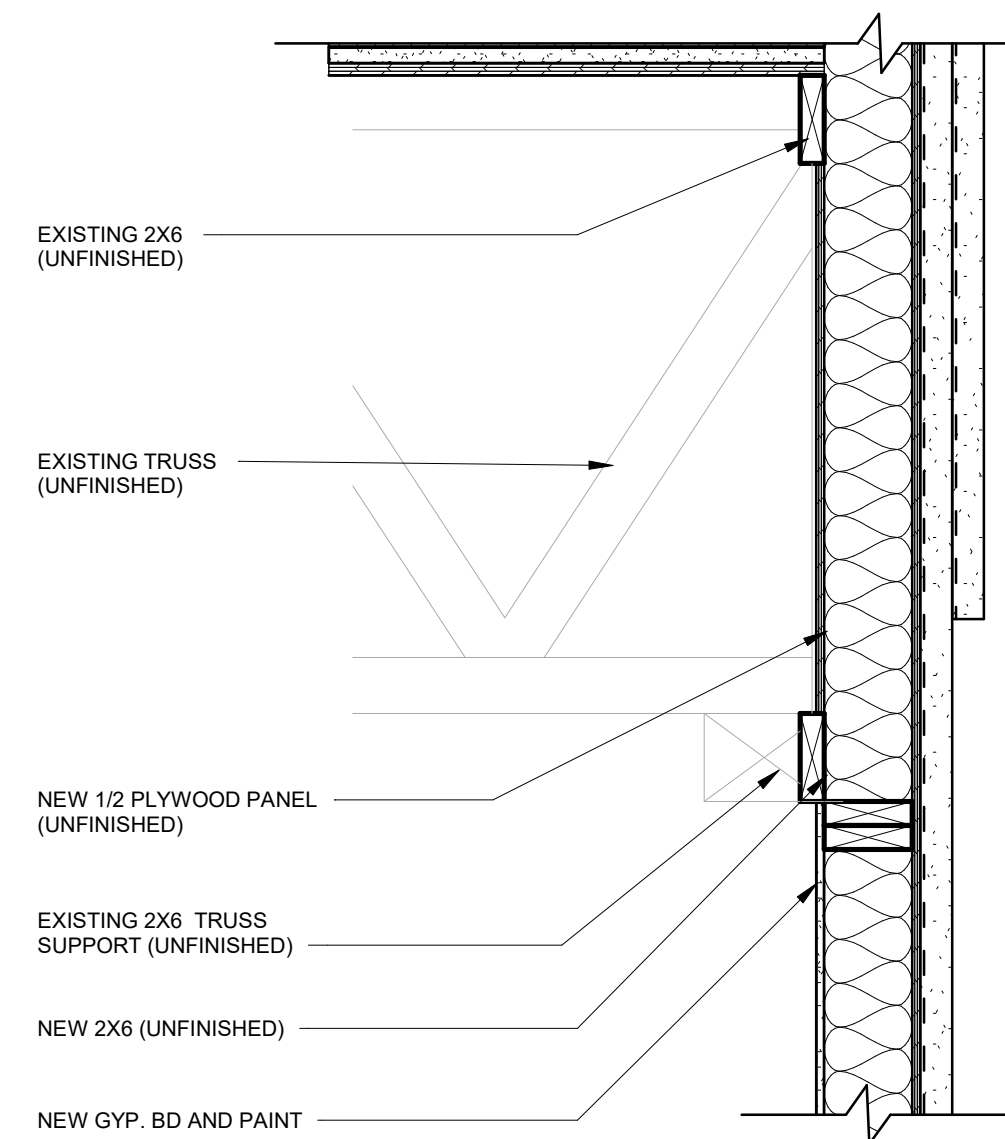
SHEET NUMBER:
A301



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



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



3 SECTION @ WALL FINISHES
SCALE: 1" = 1'-0"

STOREFRONT FRAME TYPES

7'-3"

SEE DOOR SCHED.

SEE DOOR SCHEDULE

5'-8"

1'-6"

FR1

THERMALLY BROKEN ALUMINUM FRAME W/ 1" INSULATED GLAZING

7'-0"

T

5'-8"

1'-6"

FR2

THERMALLY BROKEN ALUMINUM FRAME W/ 1" INSULATED GLAZING

7'-0"

T

5'-8"

1'-6"

FR3

THERMALLY BROKEN ALUMINUM FRAME W/ 1" INSULATED GLAZING

6'-4"

SEE DOOR SCHEDULE

7'-2"

SEE DOOR SCHEDULE

5'-8"

1'-6"

FR4

THERMALLY BROKEN ALUMINUM FRAME W/ 1" INSULATED GLAZING

7'-0"

T

5'-8"

1'-6"

FR5

THERMALLY BROKEN ALUMINUM FRAME W/ 1" INSULATED GLAZING

7'-11/4"

T

5'-8"

1'-6"

FR6

THERMALLY BROKEN ALUMINUM FRAME W/ 1" INSULATED GLAZING

7'-0"

T

5'-8"

1'-6"

FR7

THERMALLY BROKEN ALUMINUM FRAME W/ 1" INSULATED GLAZING

CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AGAINST EXISTING CONDITIONS PRIOR TO ORDERING

GENERAL NOTES	
A.	WINDOW AND DOOR GLAZING TO BE TEMPERED AT LOCATIONS INDICATED WITH "T".
B.	NEW STOREFRONT FRAMING SYSTEM TO BE SUPPLIED BY GENERAL CONTRACTOR - GENERAL CONTRACTOR TO VERIFY FRAMING OPENING SIZES AND MATERIALS WITH ARCHITECT AND/OR CONSTRUCTION MANAGER PRIOR TO FABRICATION.
C.	STOREFRONT GLAZING DESIGN IS BASED ON KAWNEER 2" WIDE, FRONT SET ALUMINUM THERMAL BREAK STOREFRONT WITH 1" INSULATED GLAZING AND CHARCOAL FINISH, REFER TO SPECS.
D.	FULLY AUTOMATIC ELECTRIC PASS-THRU WINDOW BASED UPON QUIKSERV WINDOW DESIGN, NOTIFY ARCHITECT IF NOT USING A QUIKSERV WINDOW.

PICK UP WINDOW

READY ACCESS

104°

47.500

28 1/4"

10.000

59.500

10.000

28 1/4"

19" W x 35" H Service Opening

L/R

104 1/2" w x 60" h (rough opening)

64" W x 60" H rough opening recommended for leveling. Sidelights ship loose to attach in field.

OPTIONS:
Solid Glass
AA300 Heated Air Curtain
Split Transom for AA100 Fly Fan
Double Split Transom for AA100 (West Coast)

Installation / Owners manual can be retrieved online:
www.ready-access.com

Installation illustrations are for reference only. Construction conditions and local codes prevail.

Must be installed level, square and plumb.

Recommend approximately 36" from top of sill to interior finished floor (or per local code).

104 1/2" w x 60" h (rough opening)

64" W x 60" H rough opening recommended for leveling. Sidelights ship loose to attach in field.

ELECTRIC REQUIREMENTS FOR WINDOW

Run power to header on fixed panel side.

Manual Open / Electronic Release and Fully Automatic Electric: 115 vac—60Hz with a 15 amp dedicated circuit

Optional Air Curtain requires separate dedicated circuit

Manual Open / Self Close Window

No Power Required

VARIATIONS WITH AIR CURTAINS

✓ COLD CLIMATES

AA300 HEATED AIR CURTAIN

ILO TRANSOM

47.500

16.000

59.500

43.500

19" W x 35" H Service Opening

L/R

1815 Arthur Drive West Chicago, IL 60185 800.621.5045 630-876-7766 (fax) 630.876.7767

www.ready-access.com email: ready@ready-access.com

~~WARM CLIMATES~~

~~TRANSOM FOR AA100 FLY FAN~~

~~STANDARD SERVICE OPENING~~

~~47.500~~

~~16.000~~

~~59.500~~

~~43.500~~

~~19" W x 35" H Service Opening~~

~~L/R~~

~~1815 Arthur Drive West Chicago, IL 60185 800.621.5045 630-876-7766 (fax) 630.876.7767~~

~~www.ready-access.com email: ready@ready-access.com~~

~~WEST COAST~~

~~RESTRICTED SERVICE OPENING~~

~~TRANSOM FOR AA100 FLY FAN~~

~~47.500~~

~~21.875~~

~~22.125~~

~~13.750~~

~~16.000~~

~~59.500~~

~~36.750~~

~~19" W x 35" H Service Opening~~

~~L/R~~

~~1815 Arthur Drive West Chicago, IL 60185 800.621.5045 630-876-7766 (fax) 630.876.7767~~

~~www.ready-access.com email: ready@ready-access.com~~

CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

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PROJECT INFORMATION:

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"OWATONNA"
135 ALLAN AVE
OWATONNA, MN 55060

SEAL:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Architect under the laws of the State of Minnesota.
Matthew M. Wilkus LICENSE # 54678
DATE January 06, 2025

PROJECT NO. 2024-0266

DRAWN BY TRC

CHECKED BY DRL

ISSUE RECORD:

09/17/2024 PERMIT SET

10/24/2024 BID SET

12/02/2024 CONSTRUCTION SET

REVISIONS:

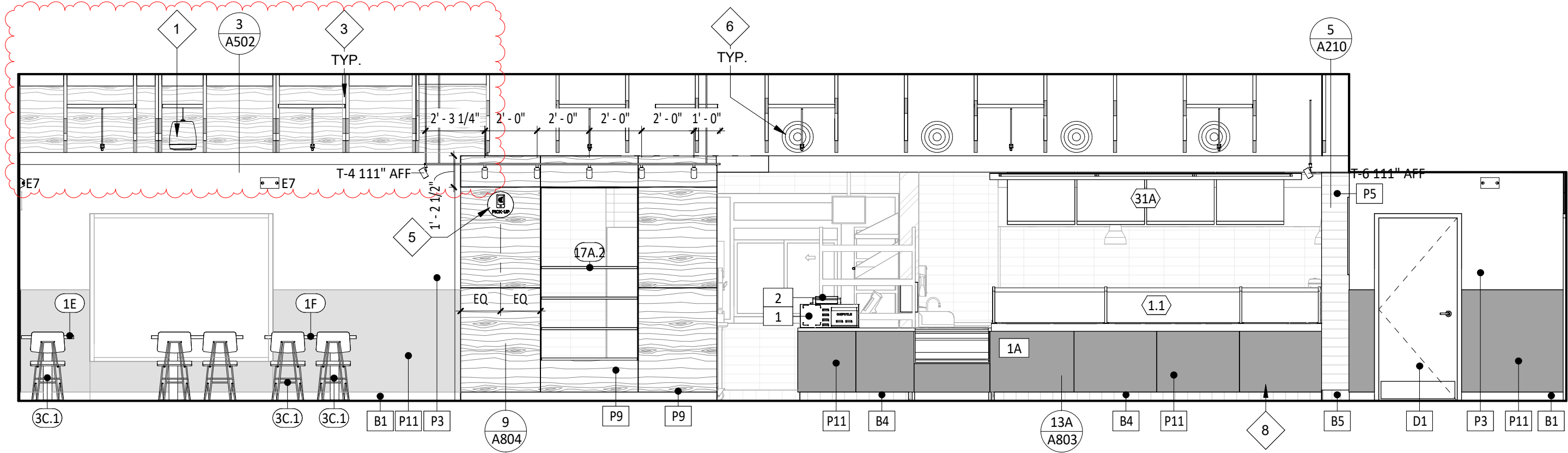
1 10.14.2024 Client Comments

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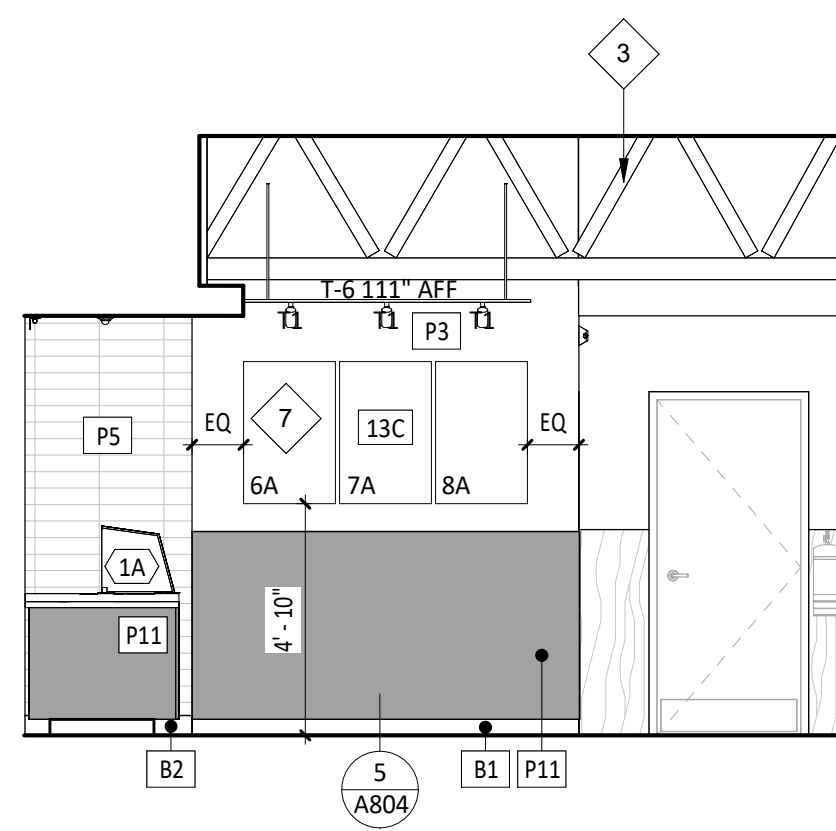
WINDOW SCHEDULE

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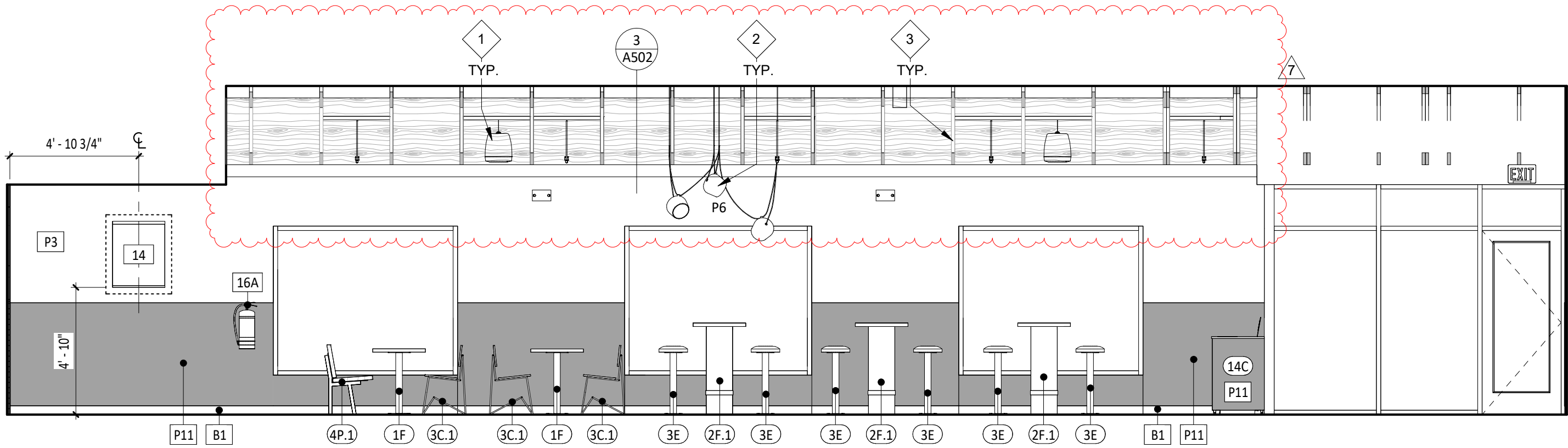
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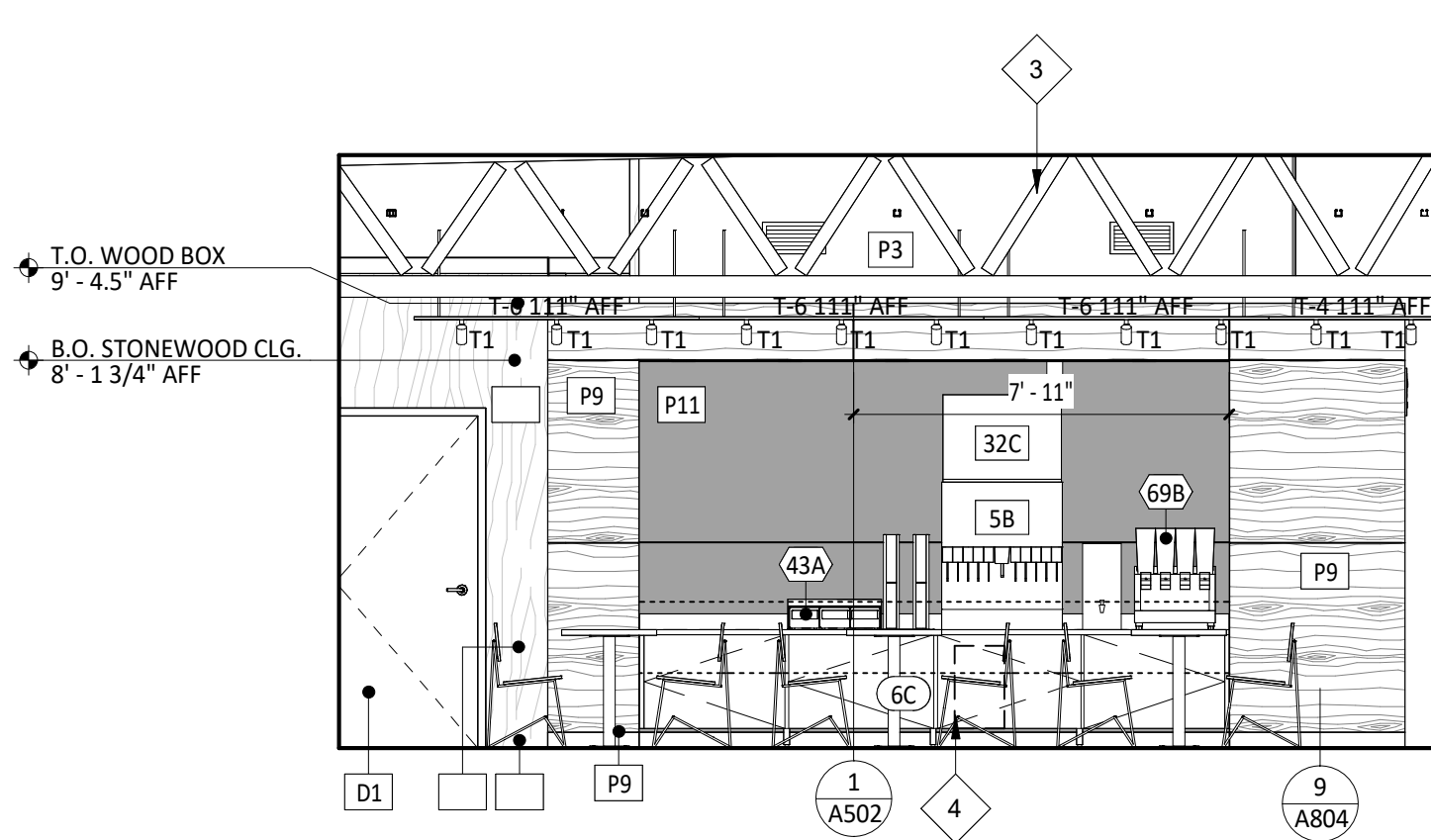
1 DINING ELEVATION
SCALE: 1/4" = 1'-0"



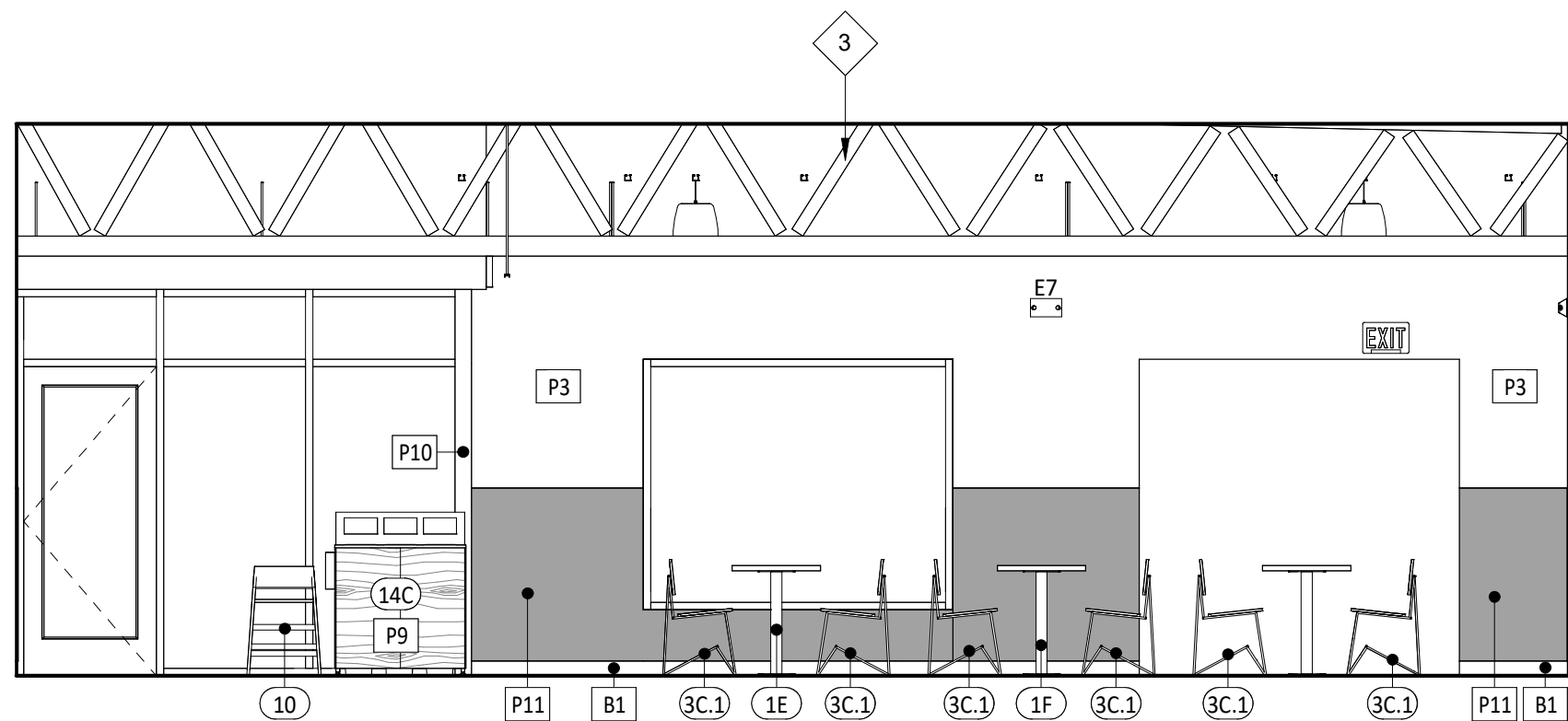
2 DINING ELEVATION
SCALE: 1/4" = 1'-0"



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



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



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

GENERAL NOTES - INT. ELEV.

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

ELEVATION LEGEND

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

KEYNOTE LEGEND

- 1 FOUR (4) SPEAKERS - REFER TO A210 FOR ADDITIONAL INFORMATION.
2 BARNLIGHT FIXTURES TO BE CENTERED OVER HIGHTOP TABLE - REFER TO A211 FOR ADDITIONAL INFORMATION.
3 EXISTING STRUCTURE TO REMAIN UNPAINTED - REFER TO A140 AND A201 FOR ADDITIONAL INFORMATION.
4 SODA CHASE BEYOND - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
5 PICK-UP SIGN BY TENANT SIGNAGE VENDOR - INSTALLED BY GENERAL CONTRACTOR - COORDINATE REQUIRED BLOCKING REQUIREMENTS.
6 DUCTWORK SHOWN FOR REFERENCE ONLY - REFER TO MECHANICAL DRAWINGS FOR ALL FINAL DUCTWORK LOCATIONS.
7 3 - PANEL ARTWORK LOCATION.
8 STONEWOOD PANEL PROVIDED BY MILLWORK VENDOR, INSTALLED BY GC.

CONSULTANT:



CLIENT:



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Matthew M. Wilkus LICENSE # 54678

DATE February 14, 2025

PROJECT NO. 2024-0266
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CHECKED BY DRL

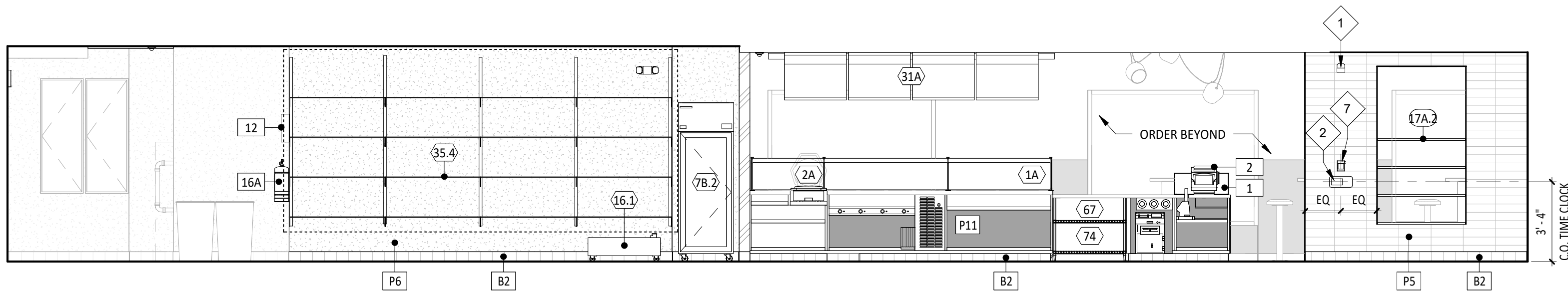
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REVISIONS:
7 02.14.2025 CB-02

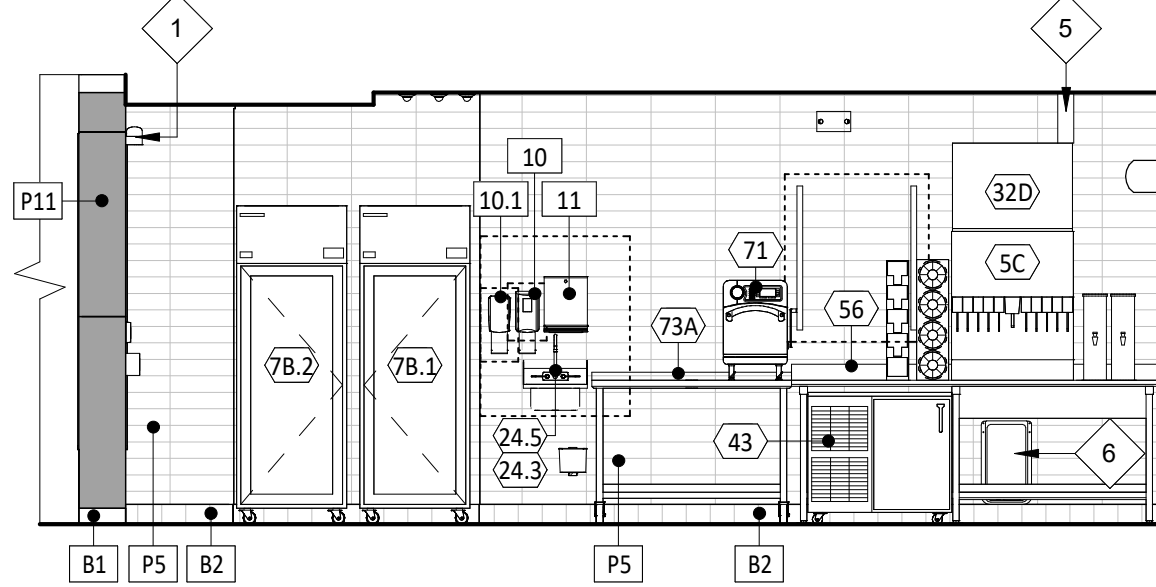
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ELEVATIONS -
INTERIOR DINING

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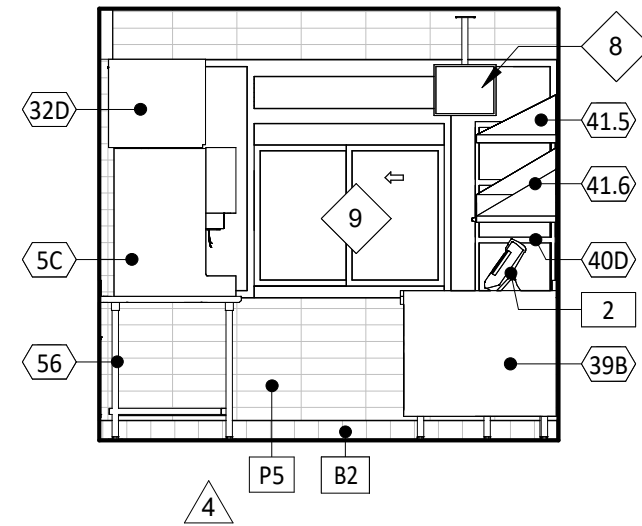
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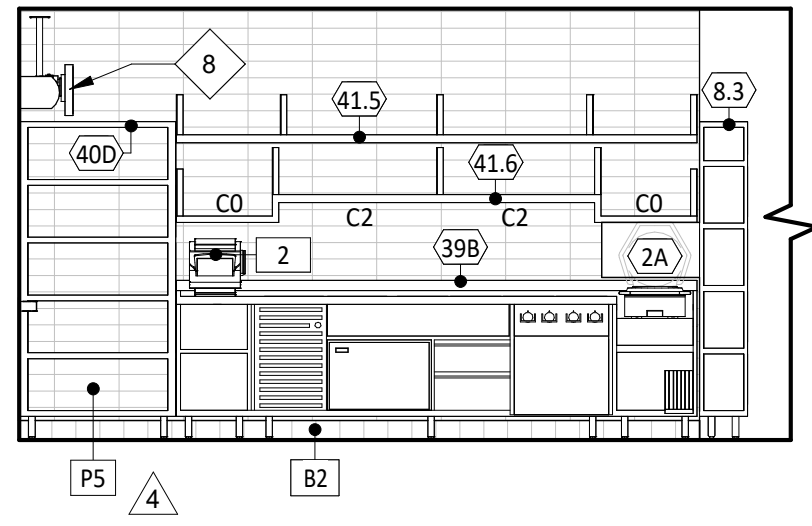
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SCALE: 1/4" = 1'-0"



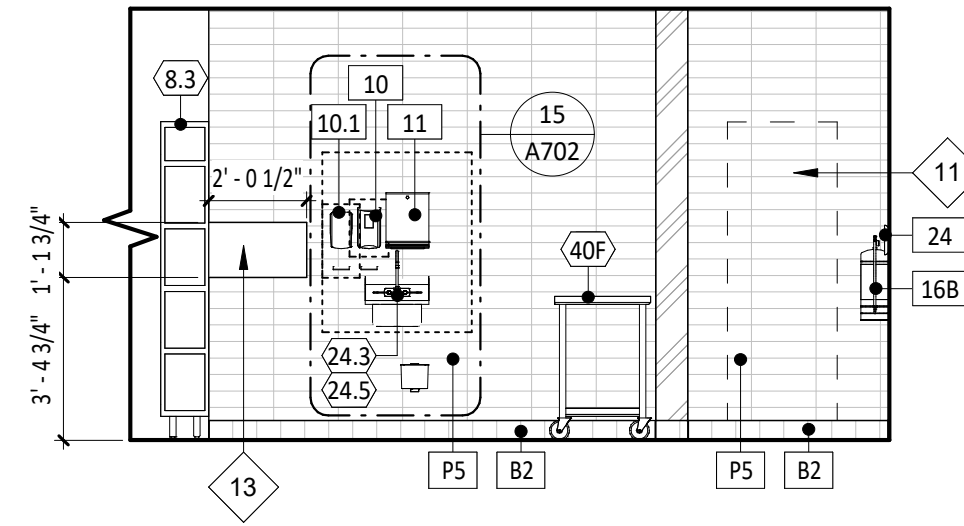
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SCALE: 1/4" = 1'-0"



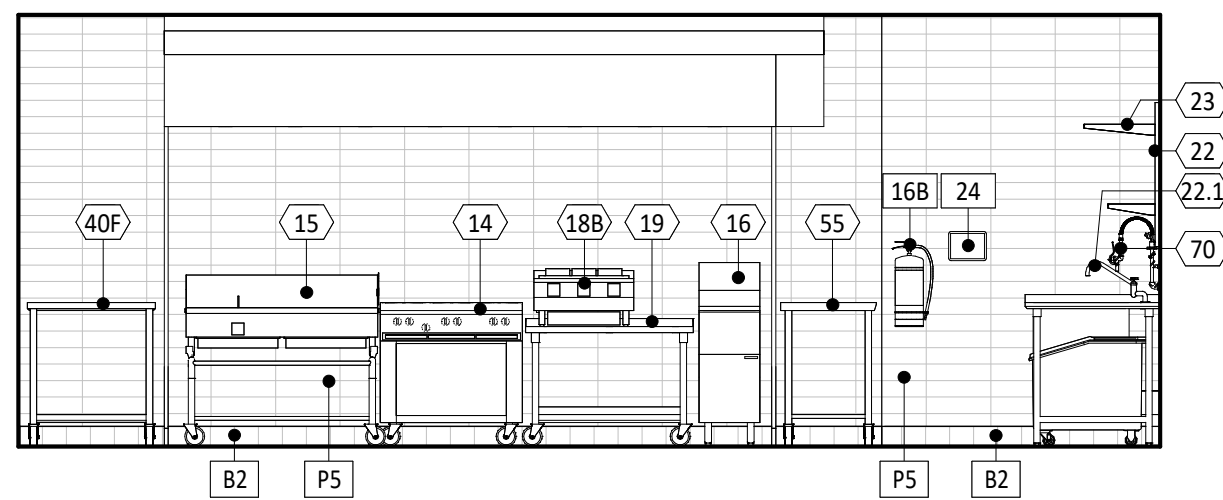
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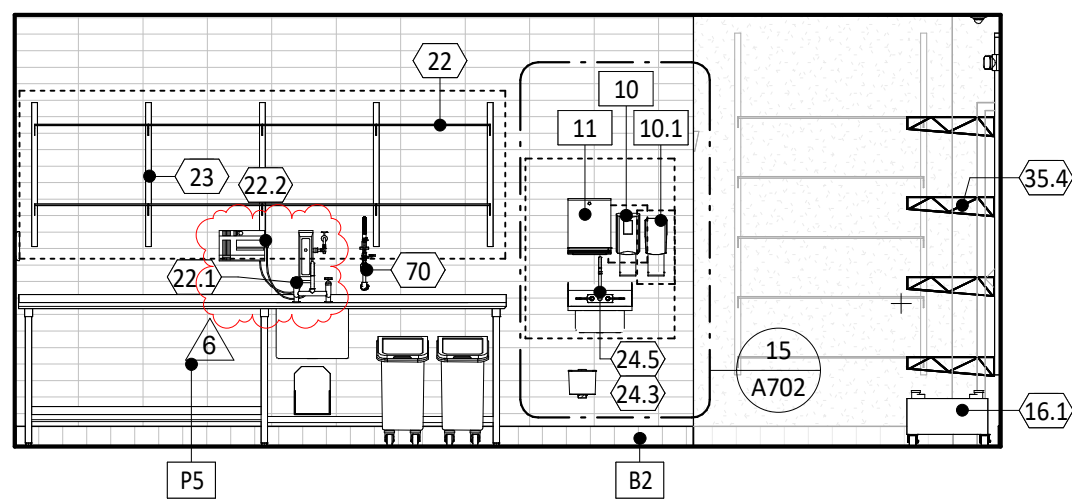
4 KITCHEN ELEVATION
SCALE: 1/4" = 1'-0"



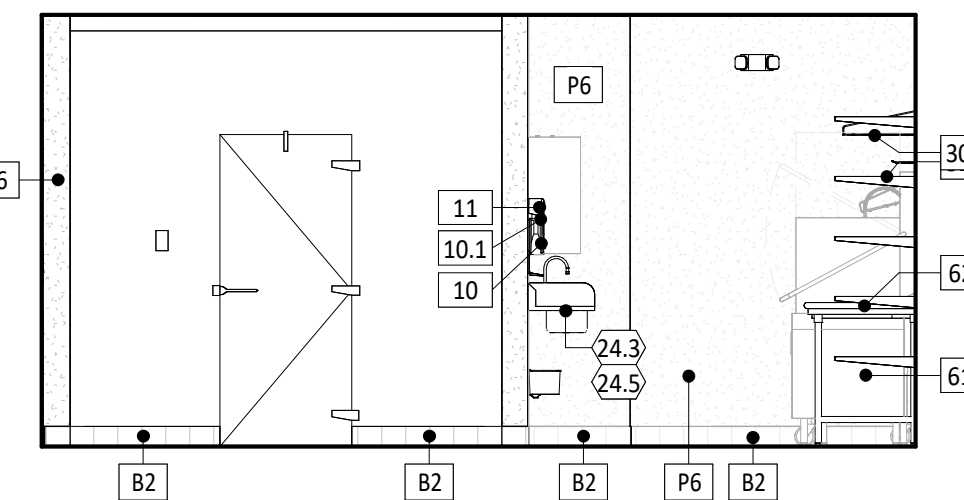
5 KITCHEN ELEVATION
SCALE: 1/4" = 1'-0"



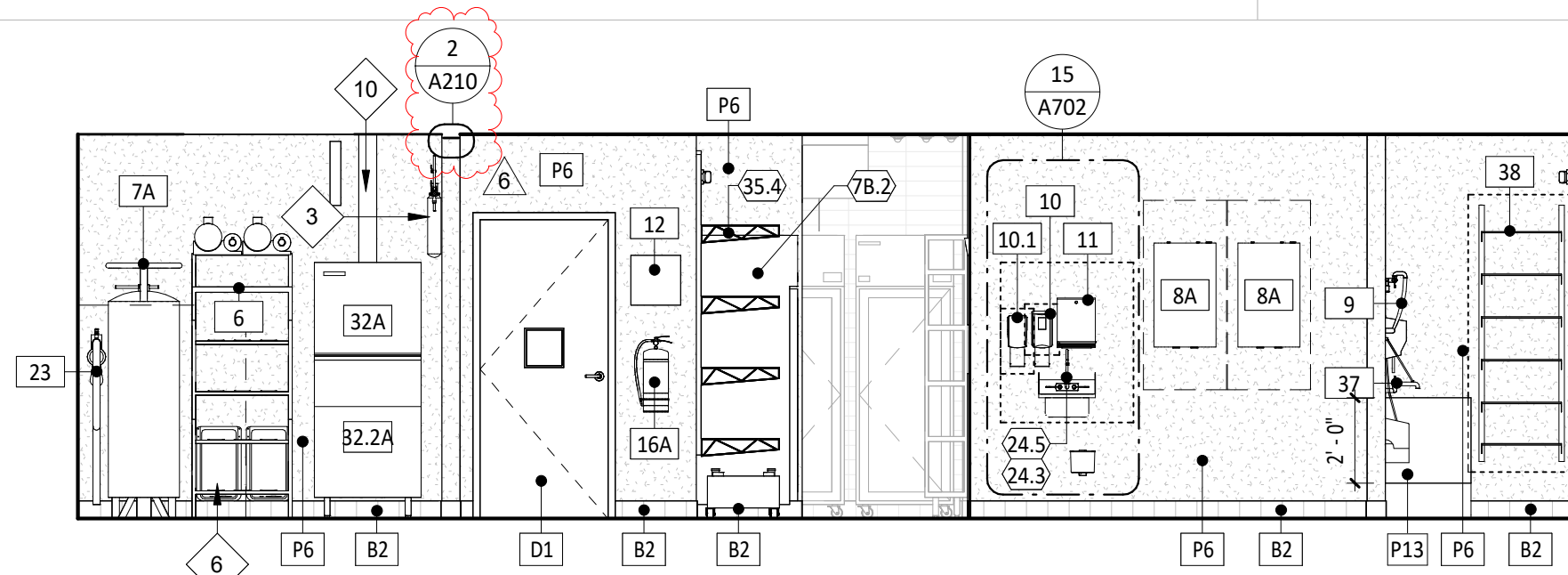
6 KITCHEN ELEVATION
SCALE: 1/4" = 1'-0"



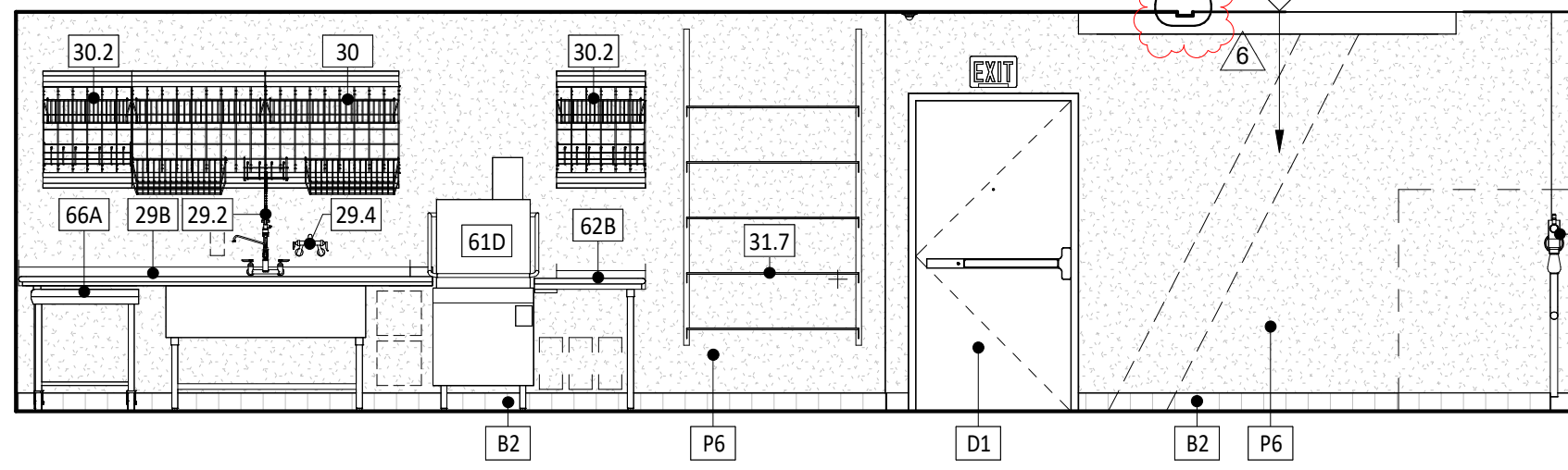
7 KITCHEN ELEVATION
SCALE: 1/4" = 1'-0"



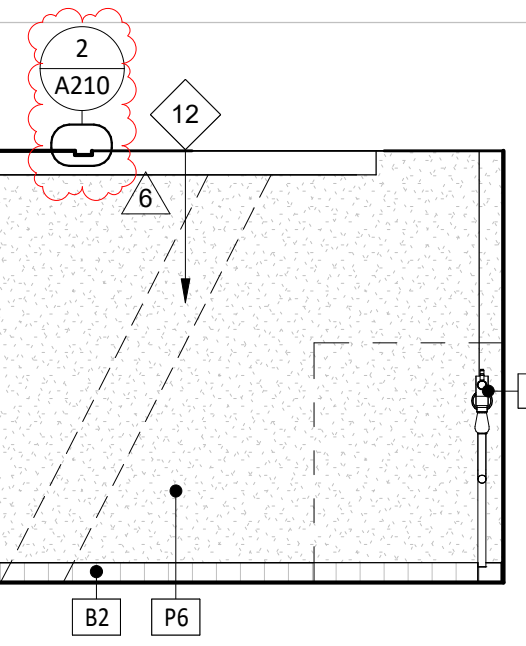
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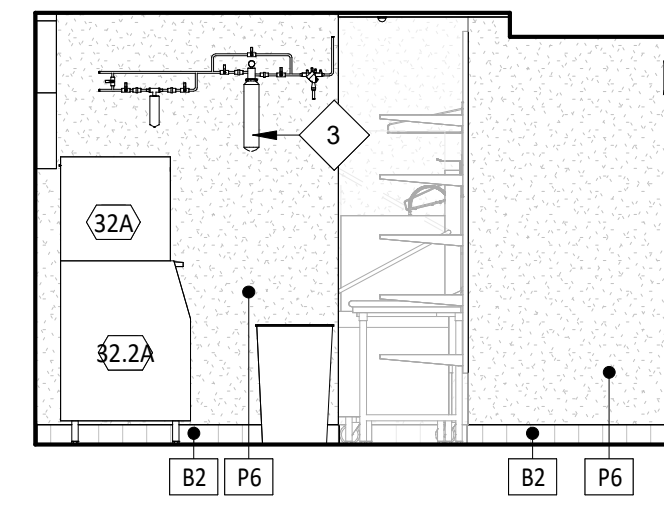
9 KITCHEN ELEVATION
SCALE: 1/4" = 1'-0"



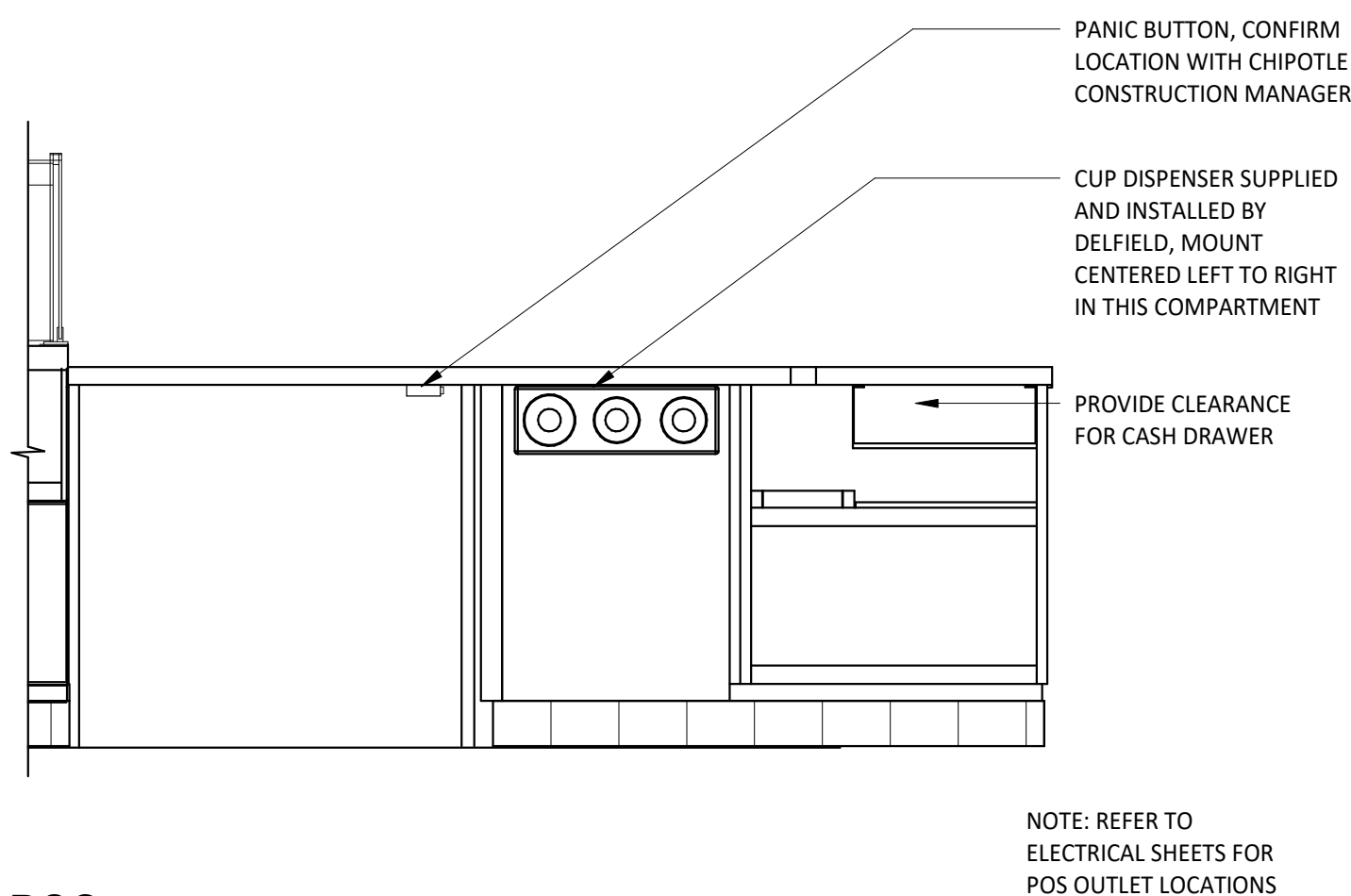
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SCALE: 1/4" = 1'-0"



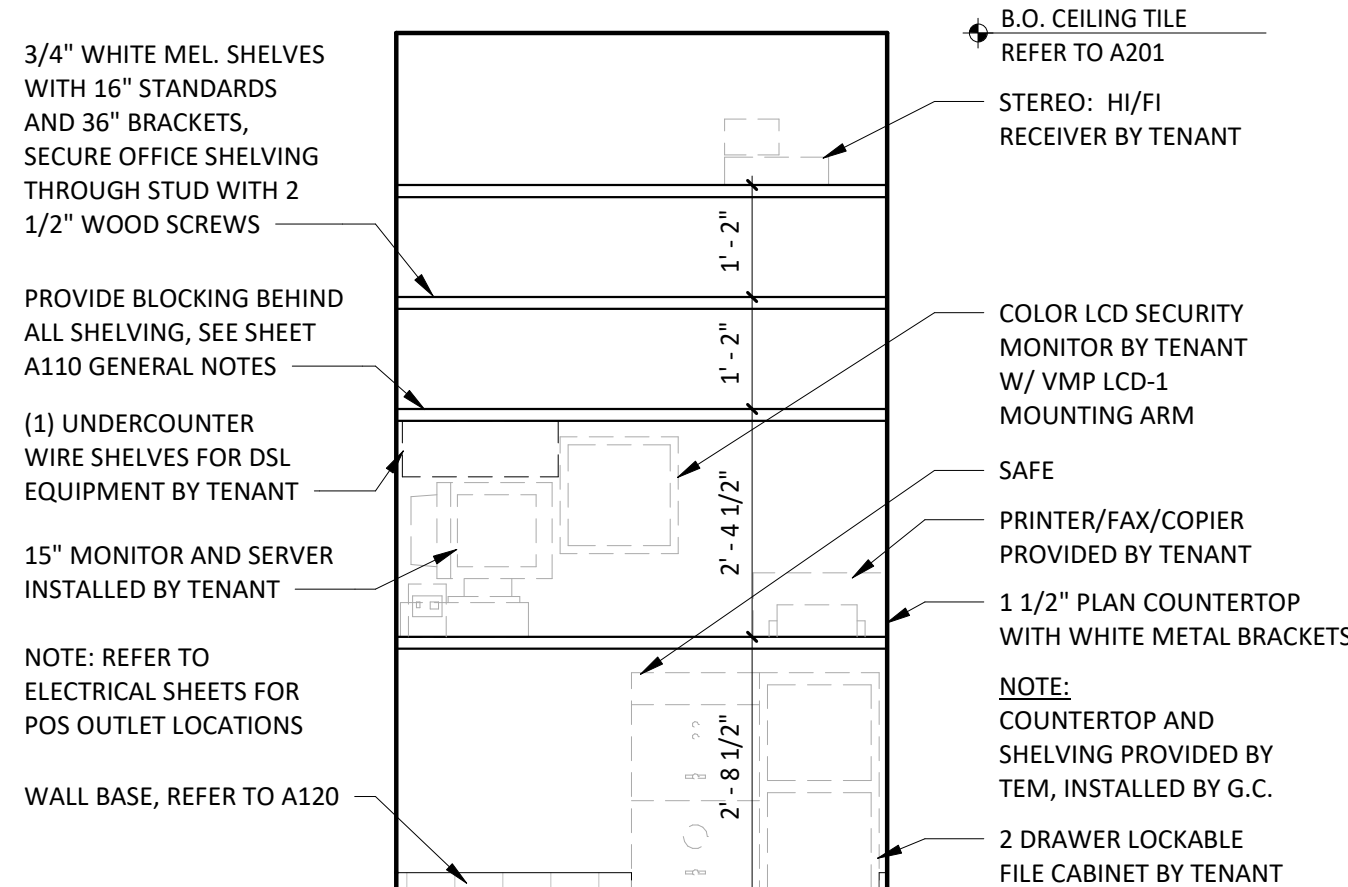
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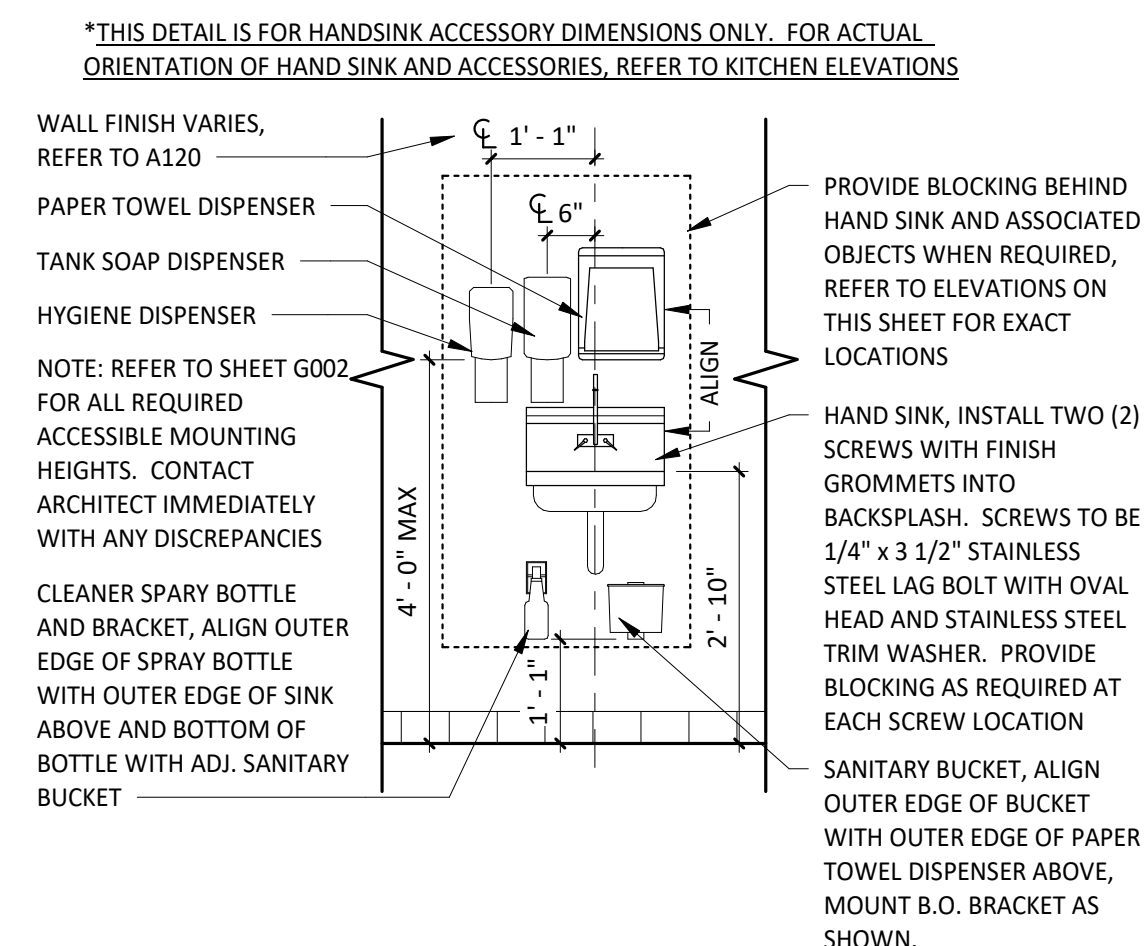
12 KITCHEN ELEVATION
SCALE: 1/4" = 1'-0"



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



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



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

GENERAL NOTES - INT. ELEV.

- REFER TO SHEET A131 FOR EQUIPMENT LIST AND FURNITURE SCHEDULE.
- PROVIDE FULL HEIGHT BLOCKING IN WALL FOR ALL SHELVING, 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

- CHIME/STROBE - REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
- KRONOS TIMECLOCK WILL BE LOCATED 40" A.F.F. TO THE TOP OF UNIT - CENTER KRONOS UNIT IN WALL - REFER TO ELECTRICAL DRAWINGS.
- WATER FILTER - REFER TO PLUMBING SHEETS FOR ADDITIONAL INFORMATION.
- ELECTRICAL PANEL LOCATION, SEE ELECTRICAL PLANS.
- STAINLESS STEEL SHROUD, REFER TO FINISH PLAN FOR DETAILS.
- SODA CHASE BEYOND - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- ANSUL PULL TO BE LOCATED 48" A.F.F. TO THE CENTER OF UNIT ABOVE THE TIMECLOCK LOCATION.
- MONITOR BY TENANT'S VENDOR.
- PICK-UP WINDOW WITH INTEGRATED AIR CURTAIN BY LANDLORD.
- GENERAL CONTRACTOR TO PROVIDE STAINLESS STEEL SHROUD AROUND EXPOSED LINES AT ICE MAKERS - REFER TO FINISH PLANS FOR DETAILS.
- FUTURE REACH-IN COOLER.
- EXISTING SHIPS LADDER.
- WALL PASS-THRU.

CONSULTANT:



CLIENT:



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COLUMBUS, OH 43218-2966
TELEPHONE: (614) 318-2482
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PROJECT INFORMATION:

STORE NO.: #5558
"OWATONNA"
135 ALLAN AVE
OWATONNA, MN 55060

SEAL:

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

Matthew M. Wilkus LICENSE # 54678

DATE January 06, 2025

PROJECT NO. 2024-0266

DRAWN BY TRC

CHECKED BY DRL

ISSUE RECORD:

09/17/2024	PERMIT SET
10/24/2024	BID SET
12/02/2024	CONSTRUCTION SET

REVISIONS:

4	11.12.2024	Client Updates
6	01.06.2025	CB-01

TITLE:
ELEVATIONS - INTERIOR KITCHEN

SHEET NUMBER:

A702

RESTROOM ACCESSORIES

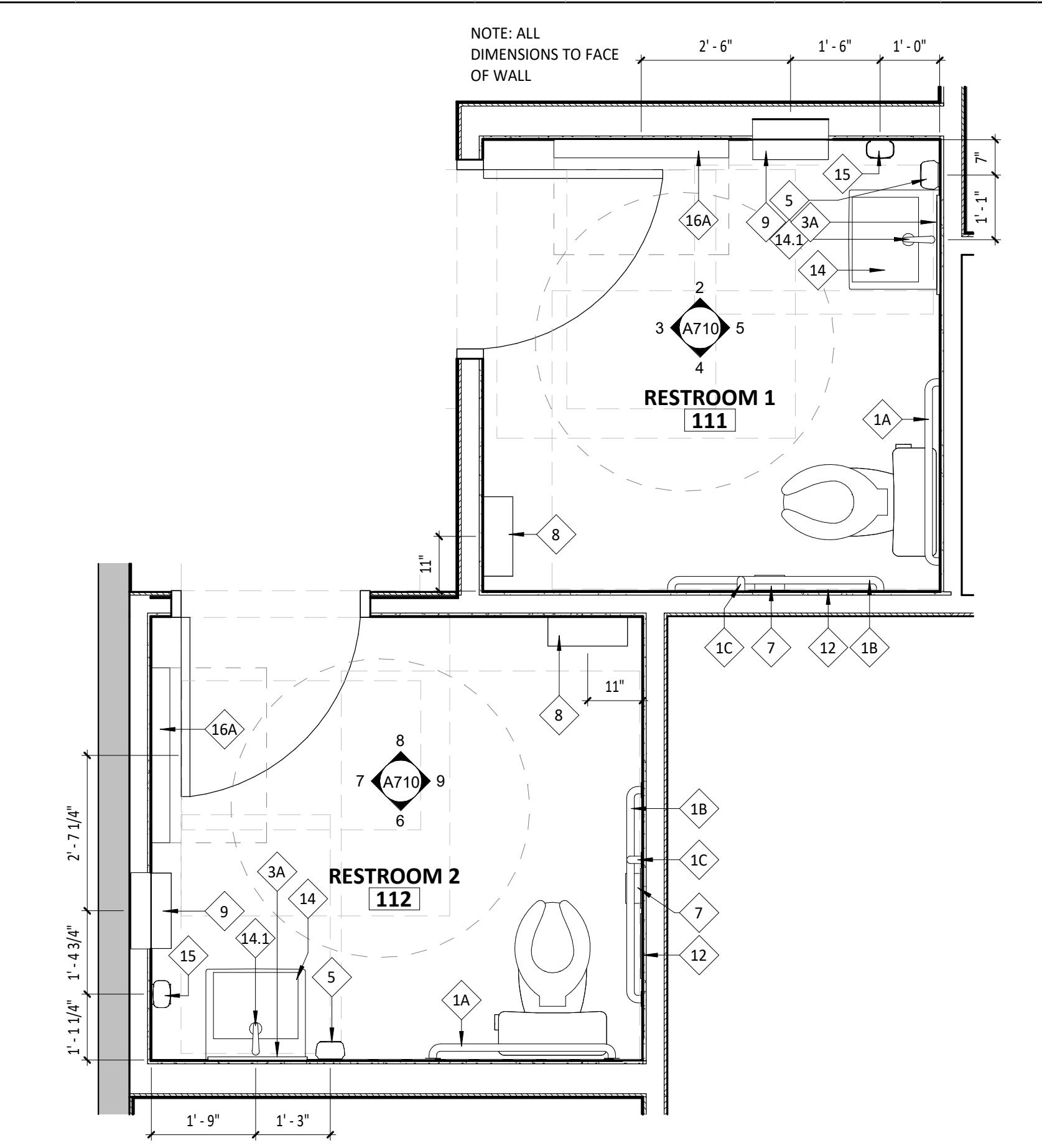
ITEM #	DESCRIPTION	MANUF	MODEL	QTY	PROVIDED BY	INSTALLED BY	UTILITY				MOUNTING HEIGHT	REMARKS
							ELEC	GAS	WATER	SEWER		
1A	Grab Bar - 36in	ASI	3501-36	2	WA	GC					34" AFF to Centerline of Gassing Surface	Provide Plywood Blocking to Mount to Wall
1B	Grab Bar - 42in	ASI	3501-42	2	WA	GC					34" AFF to Centerline of Gassing Surface	Provide Plywood Blocking to Mount to Wall
1C	Grab Bar - 18in	ASI	3501-18	2	WA	GC					40" AFF to Centerline of Bottom Return	Provide Plywood Blocking to Mount to Wall
3A	Vandal Proof Mirror	Sentry Mirror	20" x 30" Vandal Proof Mirror	2	TS	GC					Bottom Edge of Reflecting Surface at 40" AFF	Provide Plywood Blocking to Mount to Wall
5	Touch-Free Soap Dispenser	Purell	CS8	2	WA	GC					47 1/2" AFF To Top Of Dispenser	
7	Recessed Toilet Paper Dispenser	ASI	0031	2	WA	GC					29" AFF To Top of Unit	Recess Mounted in Wall - Rough Opening: 6 1/4"W X 12 1/4"H X 3 3/8"D Top of Rough Opening: 29 1/4" AFF Provide Toggle Bolts to Mount to Wall
8	Utility Shelf	ASI	0692	2	WA	GC					46" AFF To Top Of Shelf	
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	
14	Restroom Hand Sink	SEE MEP	SEE MEP	2	GC	GC					Mount Bottom of Front Edge Of The Sink At Exactly 29" AFF	Recess Mounted in Wall - Rough Opening: 11 1/4"W X 15 3/4"H X 4"D
14.1	Restroom Hand Sink Faucet	Chicago Faucets	3520-E2805ABCP	2	KES	GC						To Be Furnished With .5 GPM Aerator Installed. Thermostatic mixing valve is also included.
15	Hand Sanitizer Dispenser	Purell	ES8	2	WA	GC					Align T.O. Unit With T.O. Soap Dispenser	
16A	Surface Mounted Horizontal Baby Changing Station	Koala Care	KB200-05	2	WA	GC					Mount Bottom of Open Changing Bed at Exactly 27" AFF	GC to Provide adequate blocking to support the baby changing equipment. Blocking shall be installed in such a manner to not damage or compromise the rated assembly of the existing wall construction

GENERAL NOTES - RESTROOM

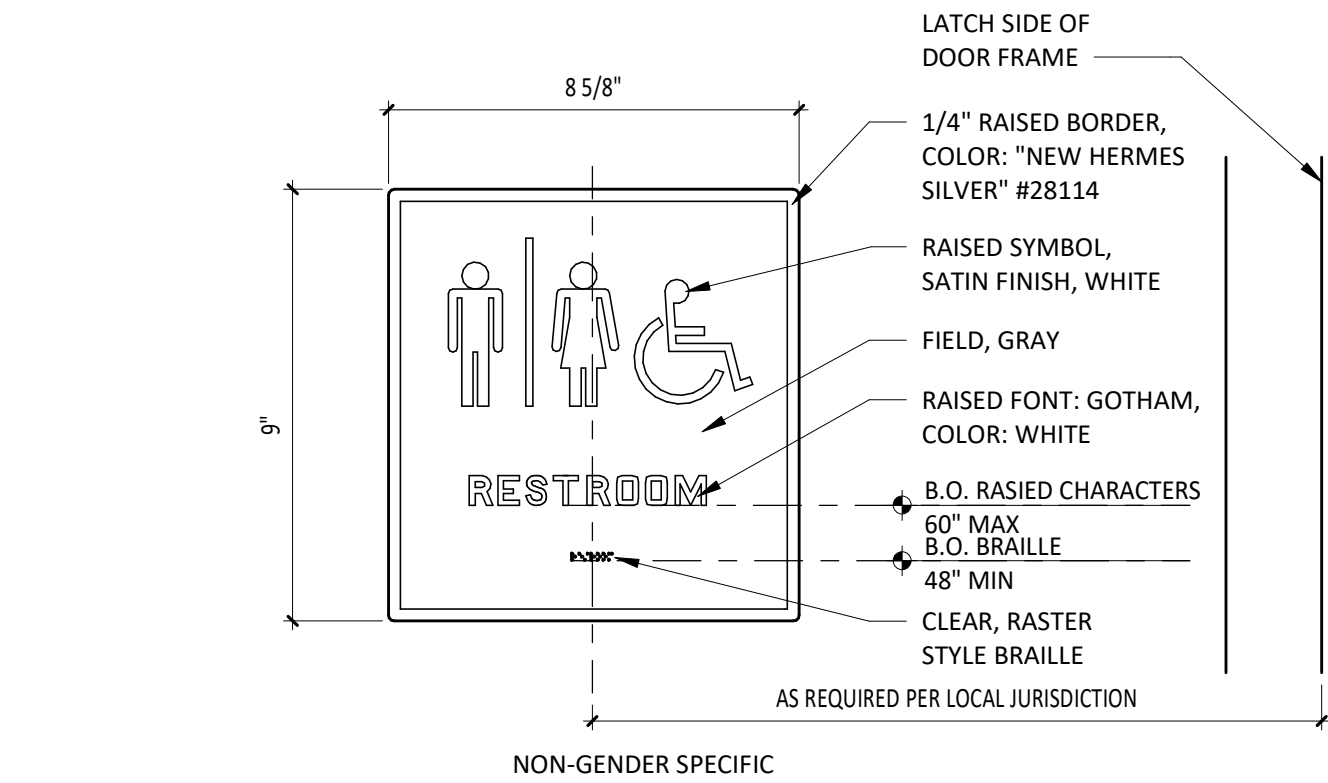
- A. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE NOTES.
- B. REFER TO A801 FOR FINISH DETAIL NOTES.
- C. ALL ACCESSORIES SHALL BE AS MANUFACTURED BY AMERICAN SPECIALTIES INC OR TENANT-APPROVED EQUIVALENT UNLESS DESIGNATED OTHERWISE. PROVIDE SOLID FRT WOOD BLOCKING AS NECESSARY FOR INSTALLATION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

ELEVATION LEGEND

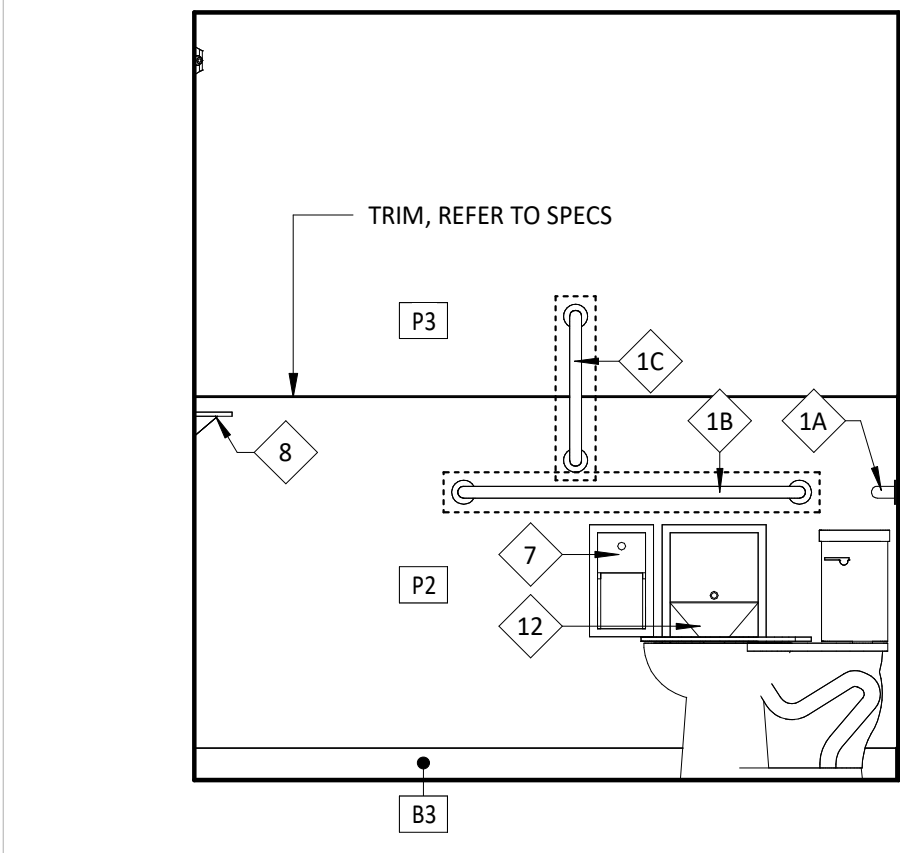
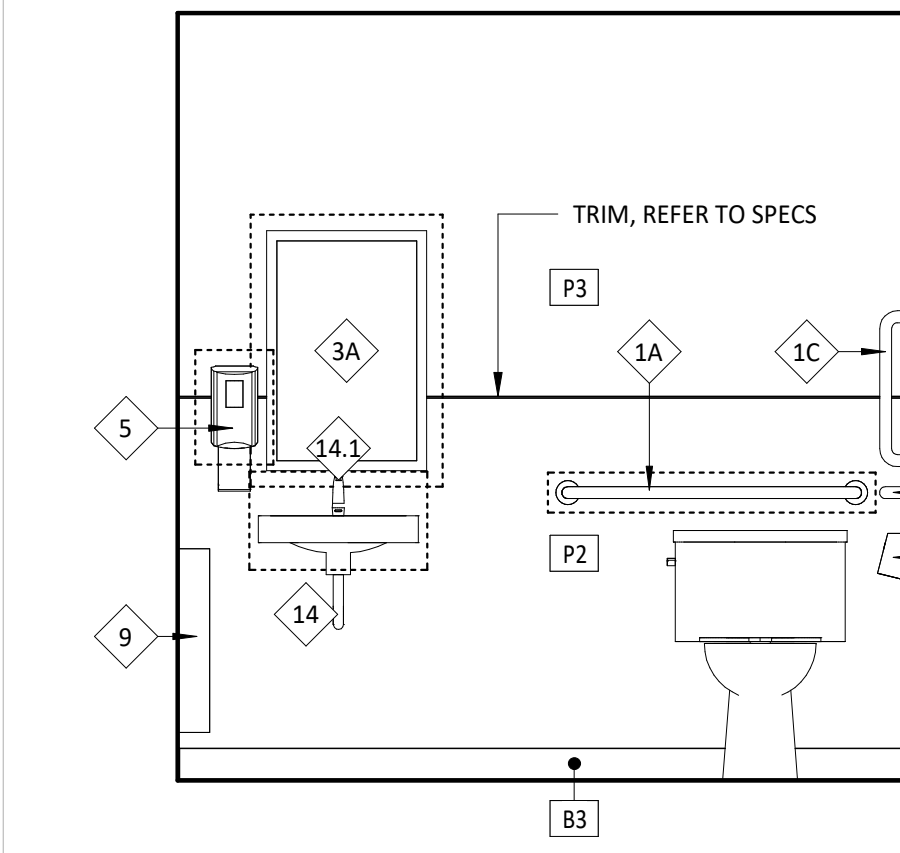
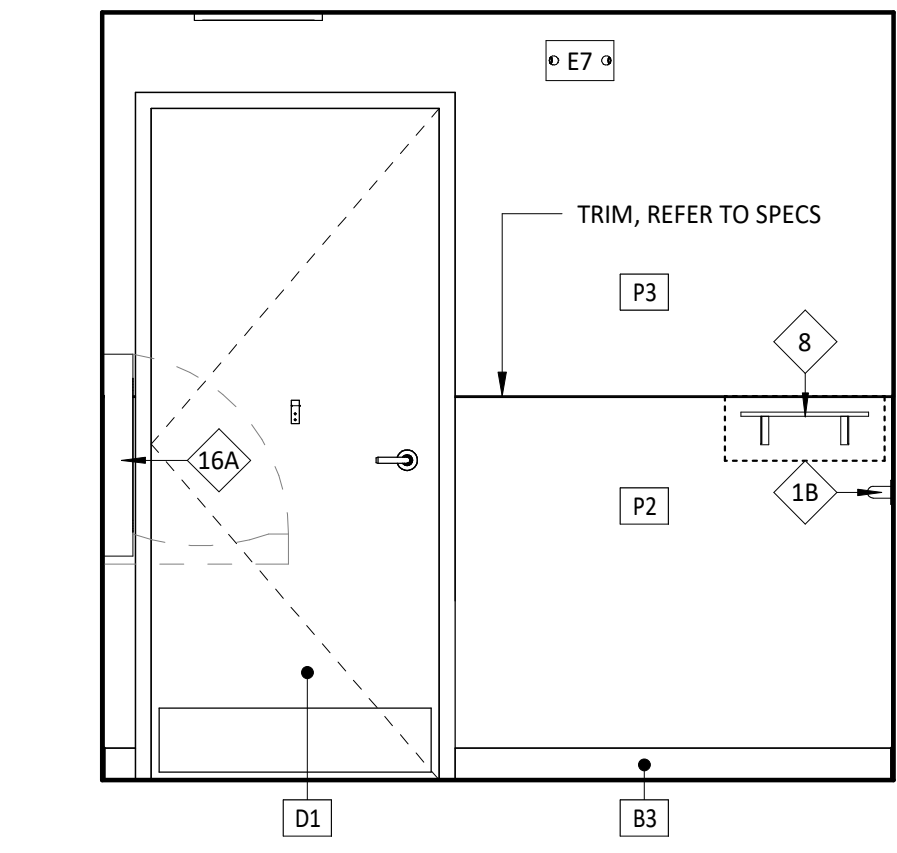
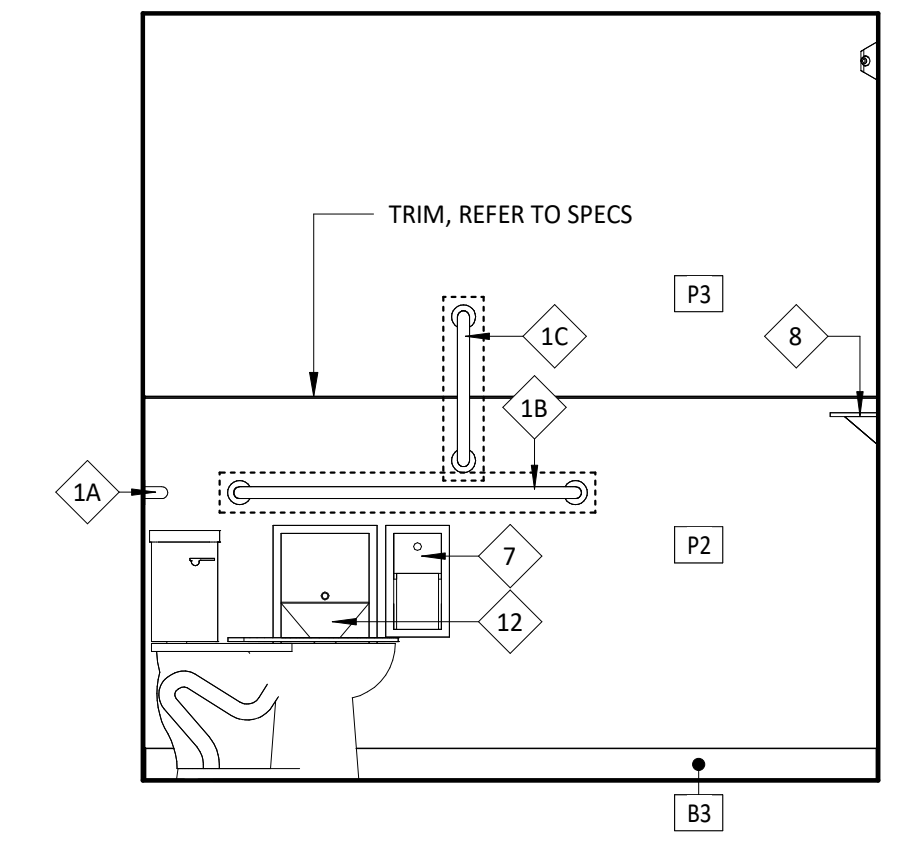
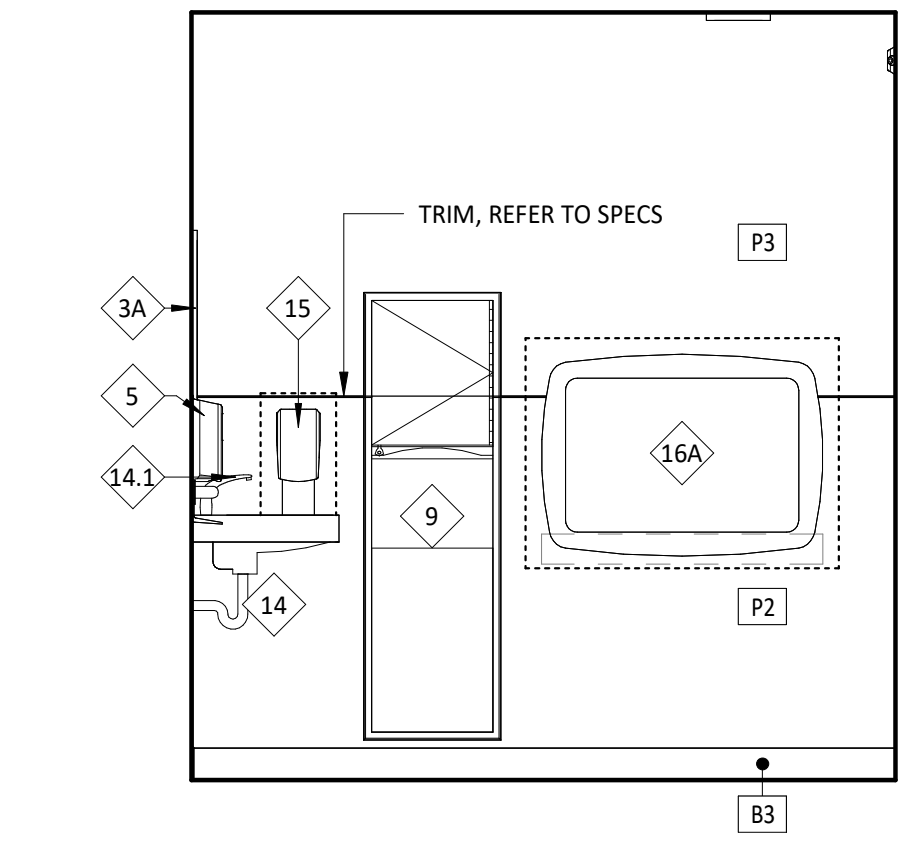
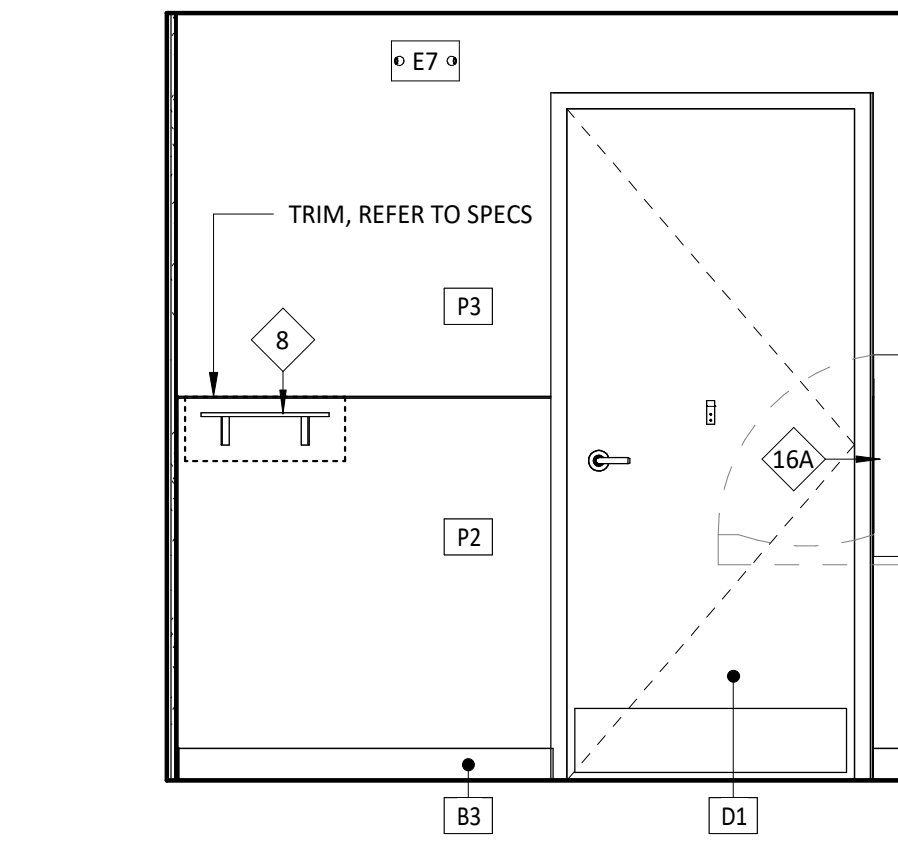
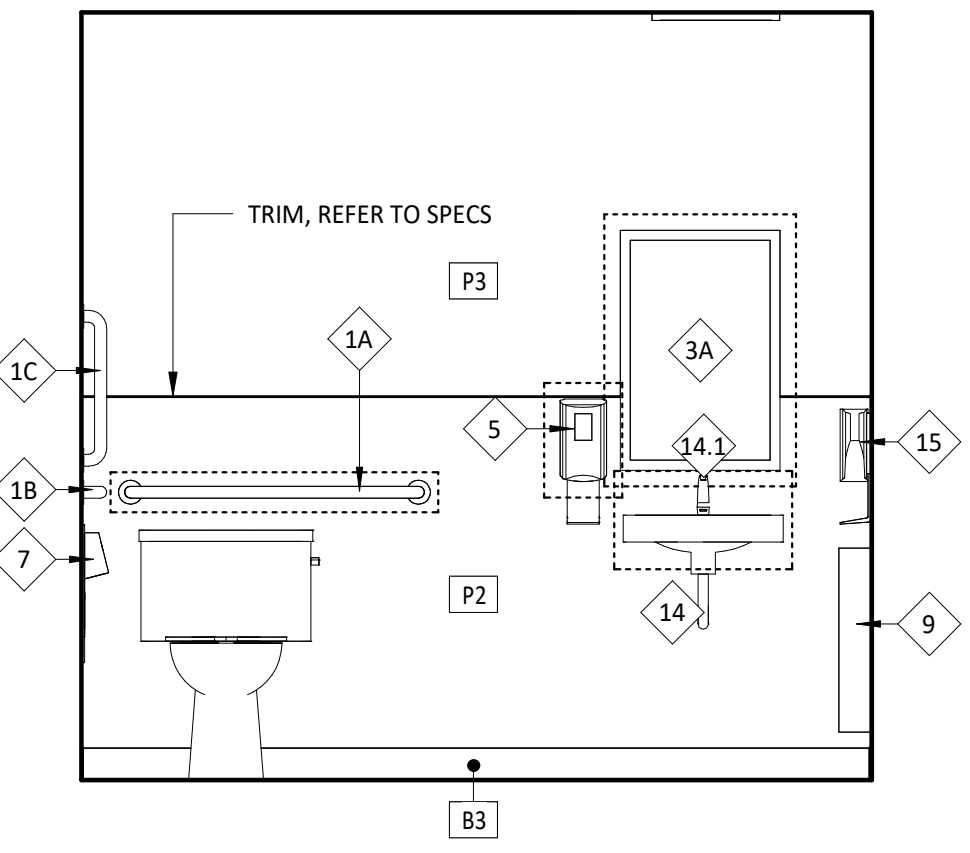
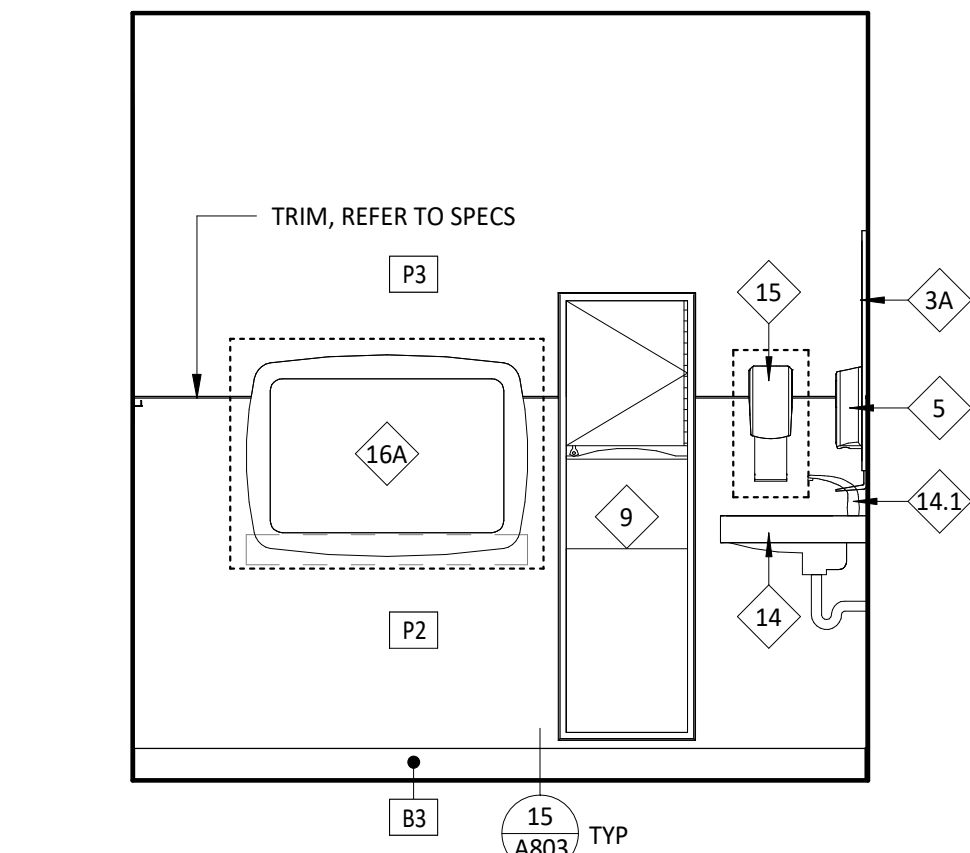
⬡ DENOTES WOOD BLOCKING IN WALL BEHIND WALL MOUNTED OBJECT U.N.O.



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



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



PROJECT INFORMATION:

STORE NO.: #5558
"OWATONNA"
135 ALLAN AVE
OWATONNA, MN 55060

SEAL:

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

Matthew M. Wilkus LICENSE # 54678

DATE January 06, 2025

PROJECT NO. 2024-0266
DRAWN BY TRC
CHECKED BY DRL

ISSUE RECORD:

09/17/2024	PERMIT SET
10/24/2024	BID SET
12/02/2024	CONSTRUCTION SET

REVISIONS:

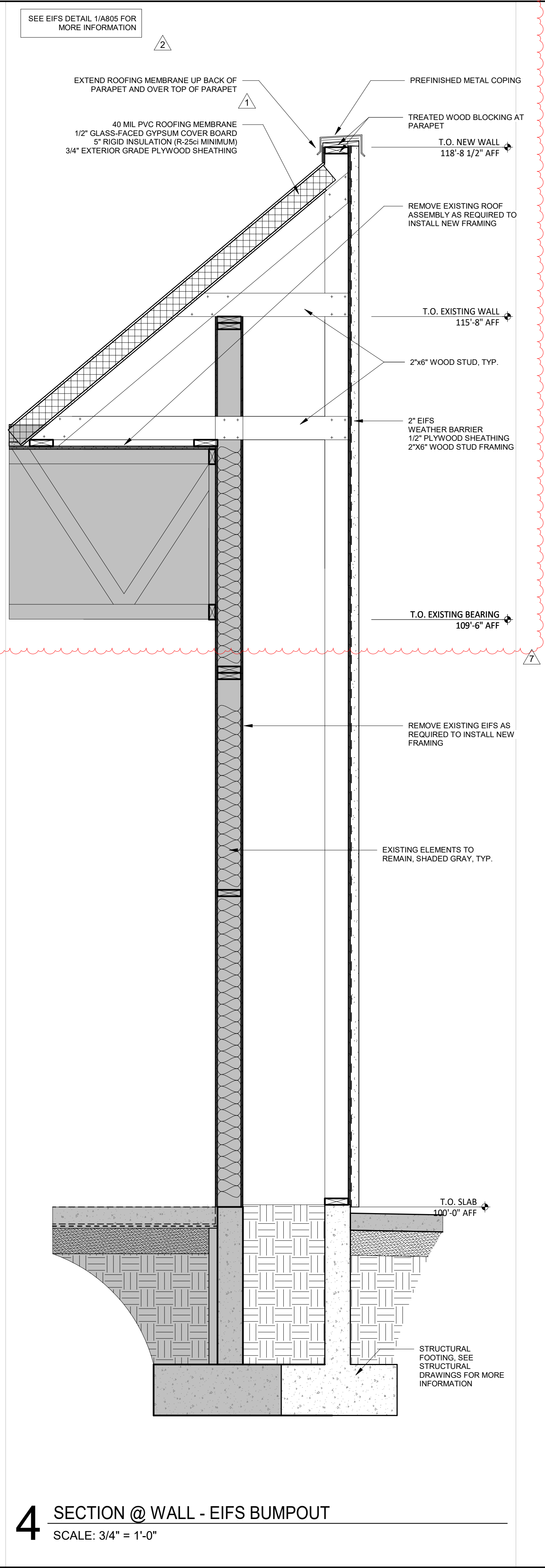
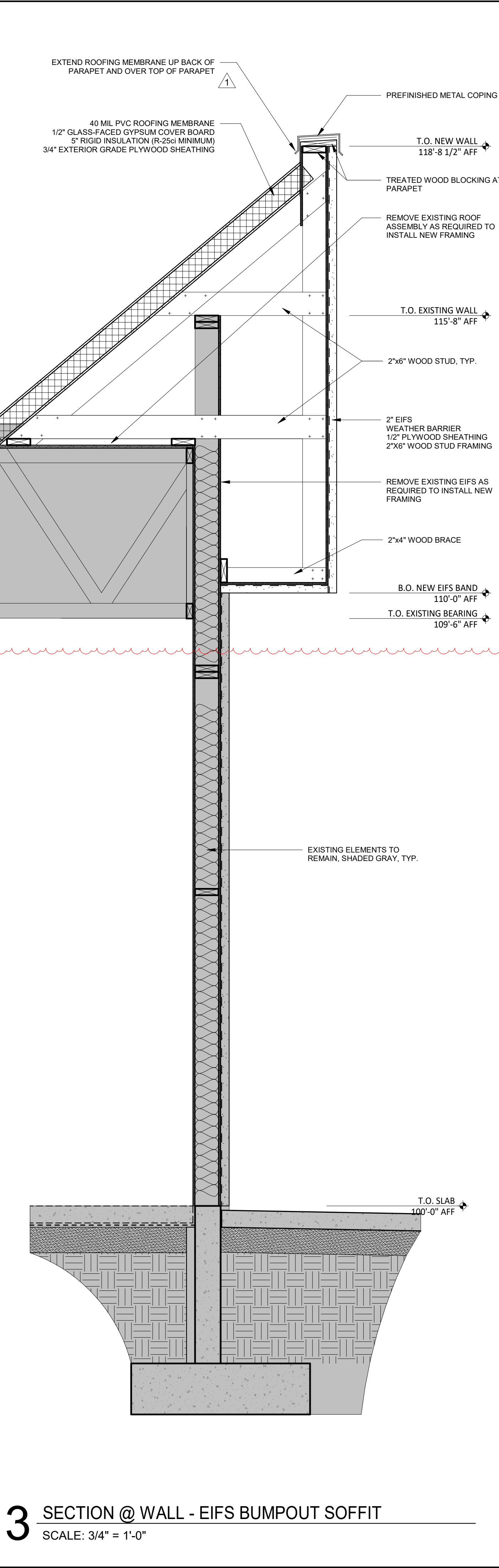
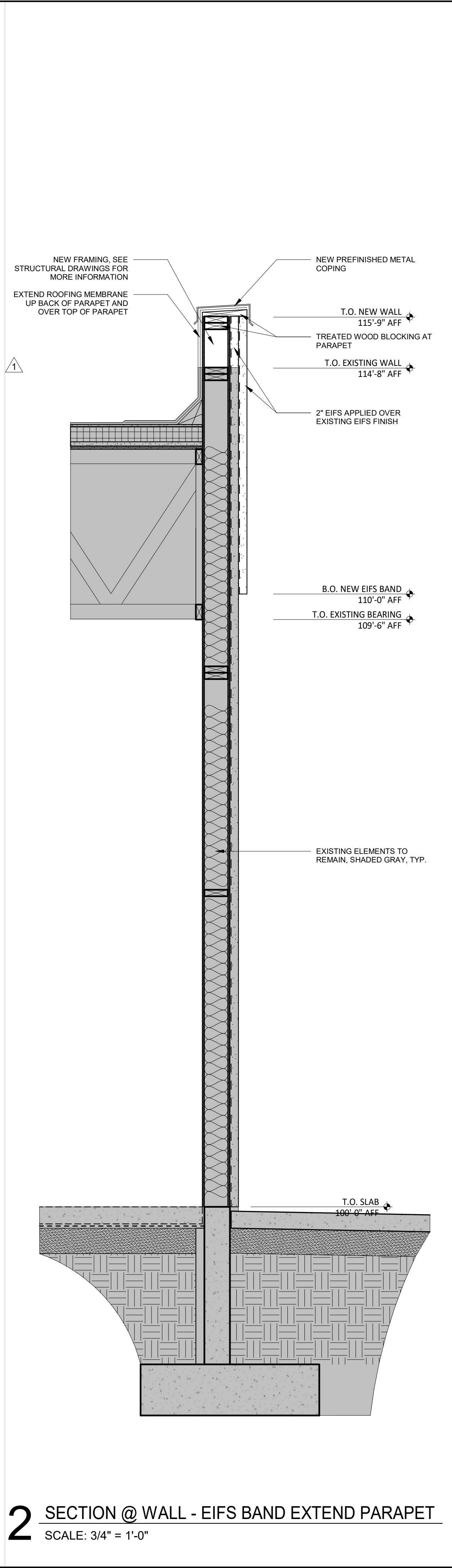
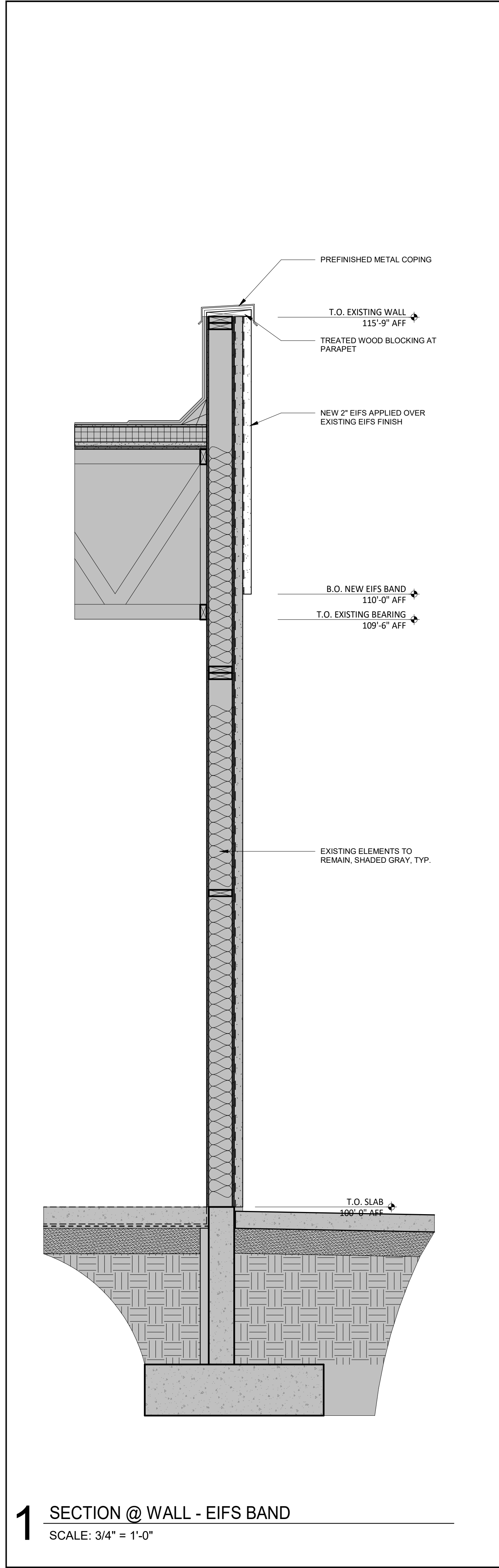
3	10.24.2024	2024 DB Updates
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TITLE:

RESTROOM INFORMATION

SHEET NUMBER:

A710



CONSULTANT:

WILKUS
ARCHITECTS

CLIENT:

CHIPOTLE
MEXICAN GRILL

CHIPOTLE MEXICAN GRILL, INC.
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COLUMBUS, OH 43218-2566
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PROJECT INFORMATION:

STORE NO.: #L558
"OWATONNA"
135 ALLAN AVE
OWATONNA, MN 55060

SEAL:

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Matthew M. Wilkus LICENSE # 54678
February 14, 2025

DATE

PROJECT NO. 2024-0266
DRAWN BY TRC
CHECKED BY DRL

ISSUE RECORD:

09/17/2024	PERMIT SET
10/24/2024	BID SET
12/02/2024	CONSTRUCTION SET

REVISIONS:

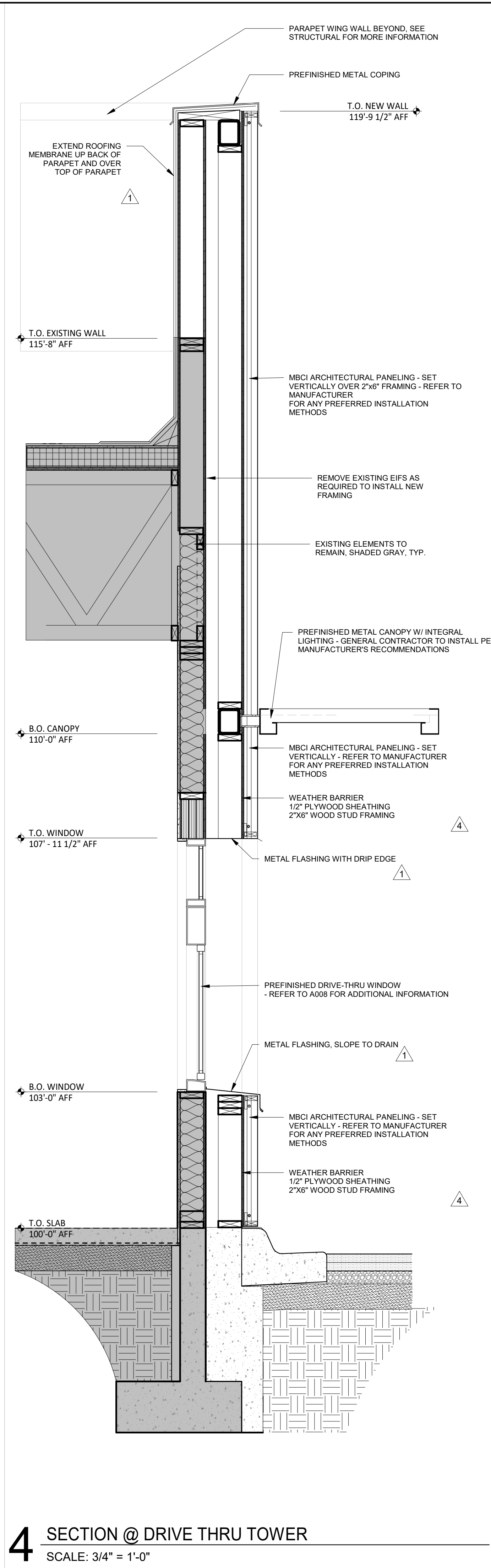
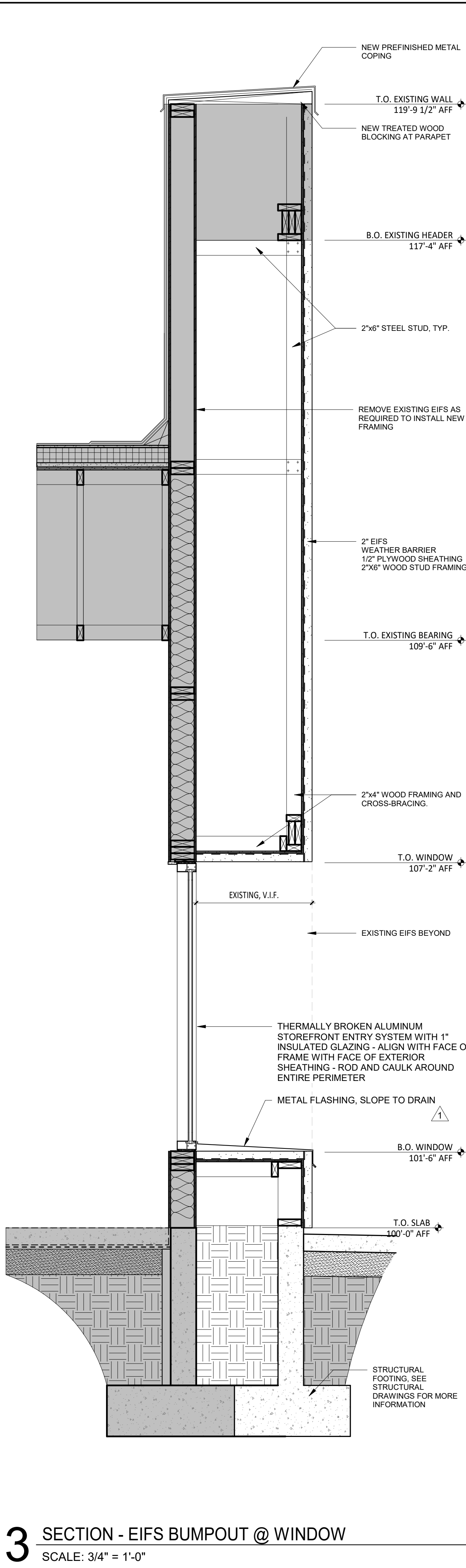
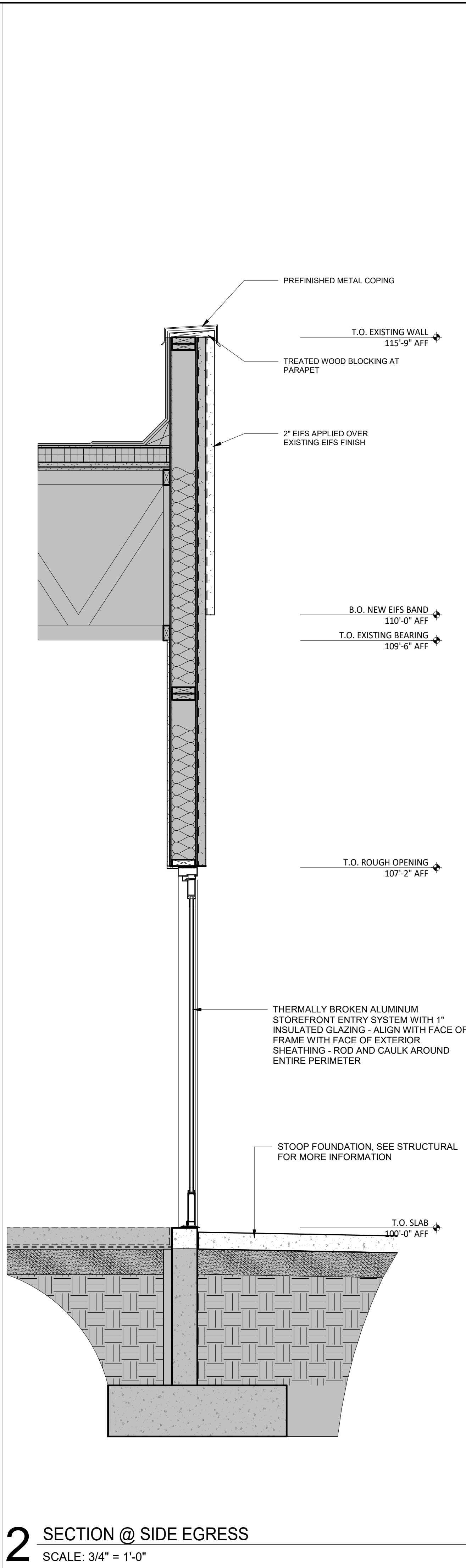
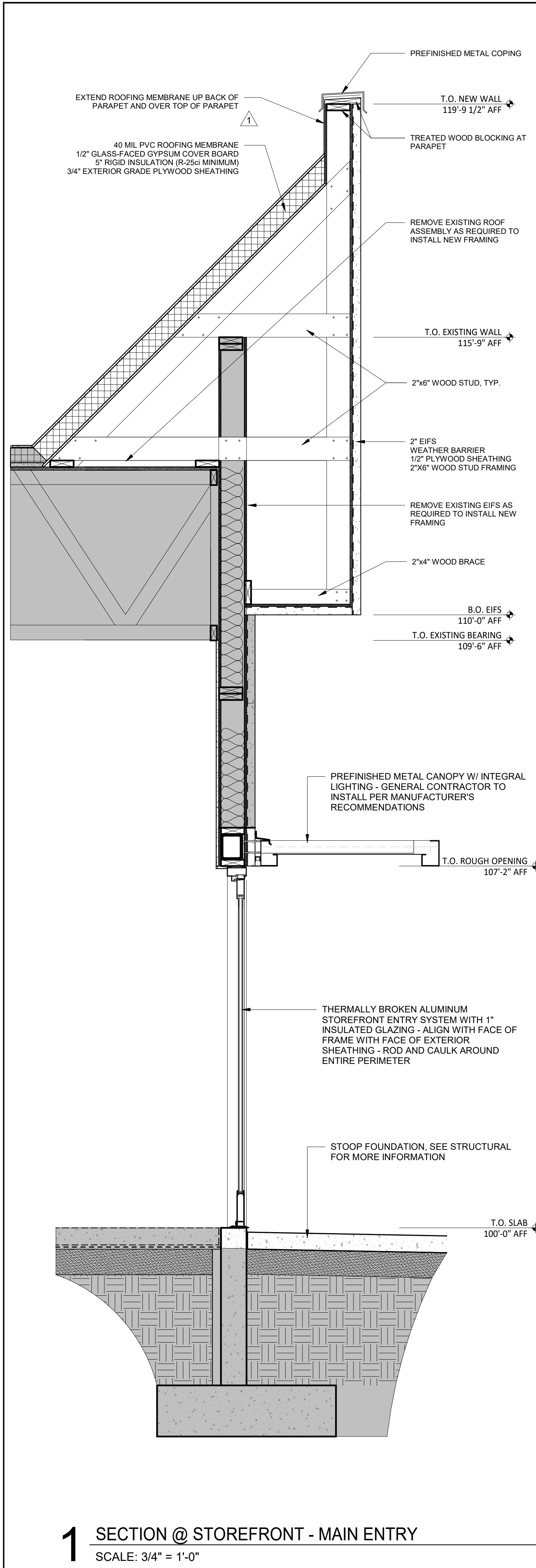
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2	10.14.2024	City Comments
7	02.14.2025	CB-02

TITLE:

EXTERIOR WALL SECTIONS

SHEET NUMBER:

A800



CONSULTANT:

WILKUS ARCHITECTS

CLIENT:

CHIPOTLE MEXICAN GRILL

CHIPOTLE MEXICAN GRILL, INC.
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PROJECT INFORMATION:

STORE NO.: #5558
"OWATONNA"
135 ALLAN AVE
OWATONNA, MN 55060

SEAL:

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

Matthew M. Wilkus LICENSE # 54678

DATE January 06, 2025

PROJECT NO. 2024-0266
DRAWN BY TRC
CHECKED BY DRL

ISSUE RECORD:

09/17/2024	PERMIT SET
10/24/2024	BID SET
12/02/2024	CONSTRUCTION SET

REVISIONS:

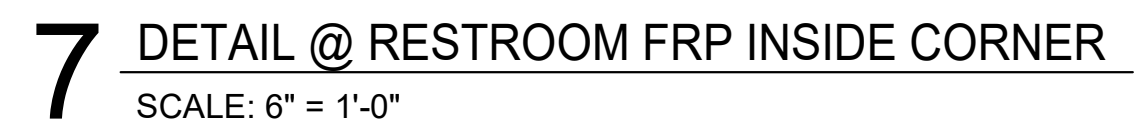
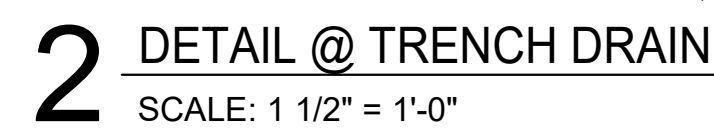
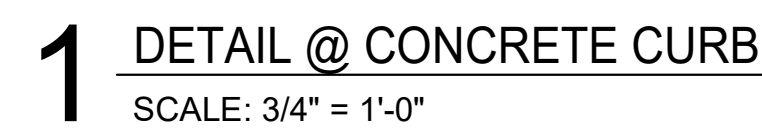
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4	11.12.2024	Client Updates

TITLE:

EXTERIOR WALL SECTIONS

SHEET NUMBER:

A801



CONSULTANT:

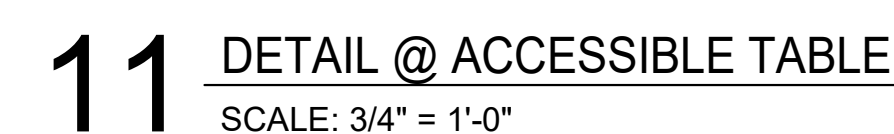
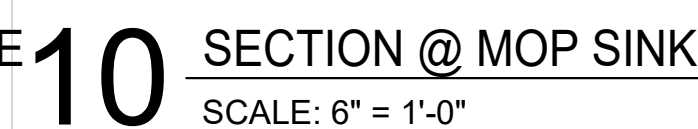
WILKUS
ARCHITECTS

CLIENT:


CHIPOTLE MEXICAN GRILL, INC.
PO BOX 162596
COLUMBUS, OH 43218-2596
TELEPHONE: (614) 310-2482
INTERNET: WWW.CHIPOTLE.COM

PROJECT INFORMATION:

STORE NO.: #5558
"OWATONNA"
135 ALLAN AVE
OWATONNA, MN 55060



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the laws of the State of Minnesota.

Matthew M. Wilkus, LICENSE # 54678

DATE January 06, 2025

PROJECT NO. 2024-0266
DRAWN BY TRC
CHECKED BY DRL

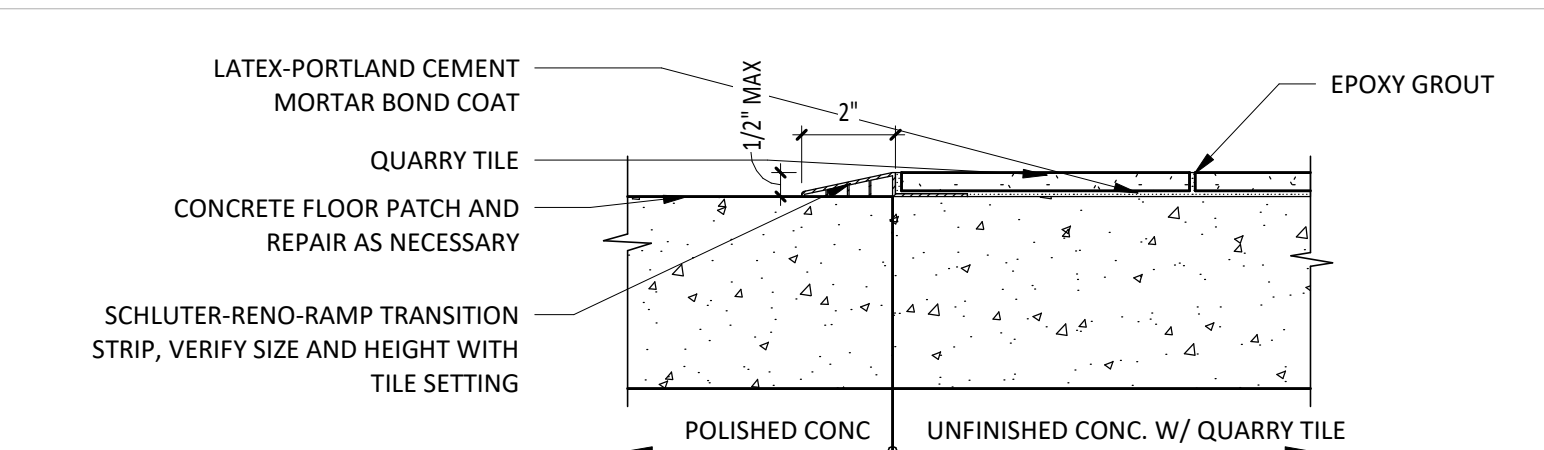
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09/17/2024	PERMIT SET
10/24/2024	BID SET
12/02/2024	CONSTRUCTION SET

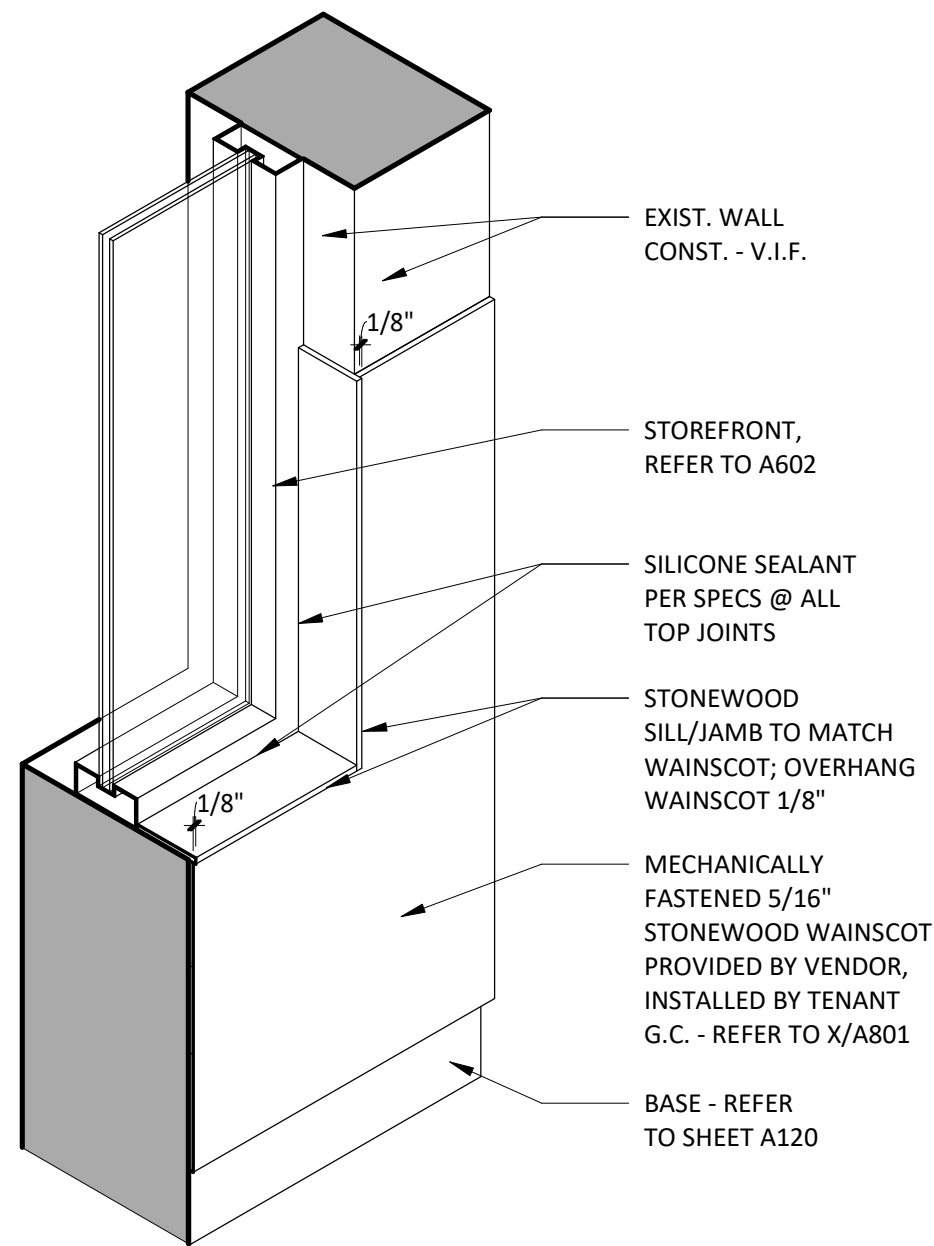
REVISIONS:

TITLE:
FINISH DETAILS -
GENERAL

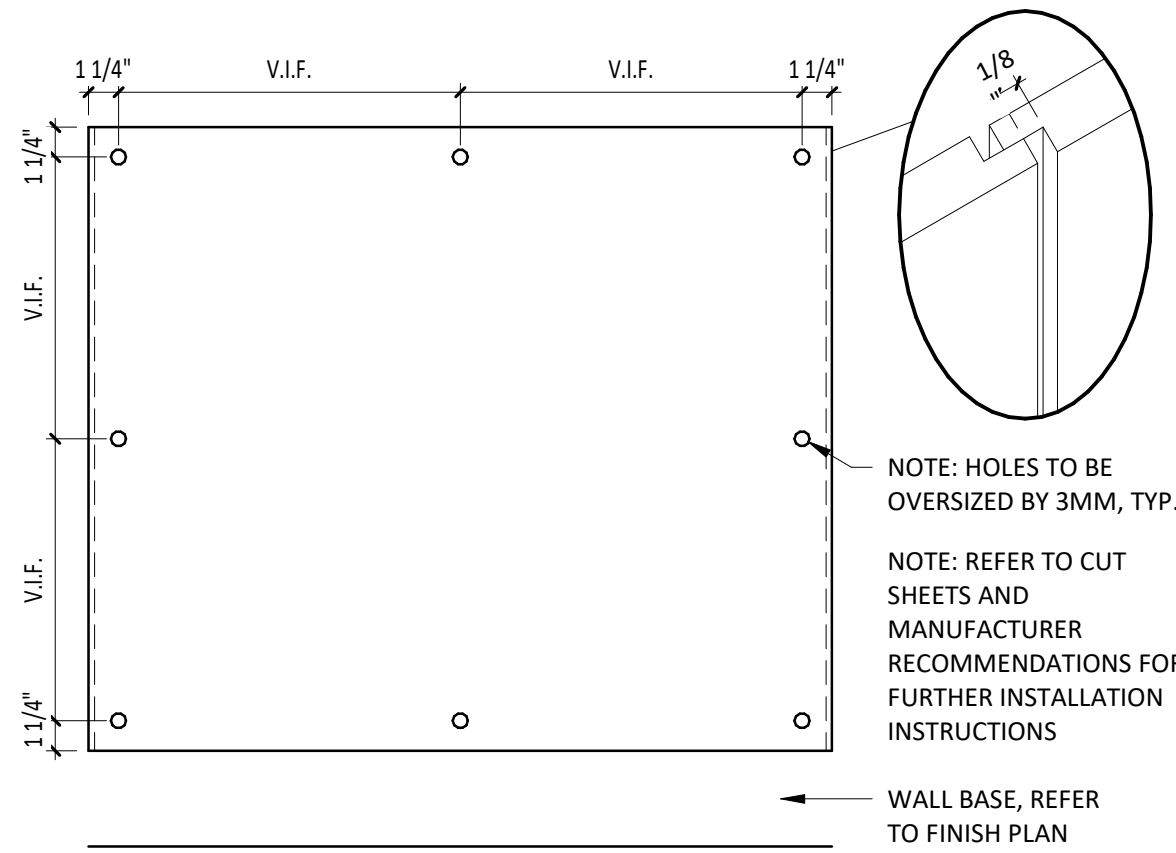
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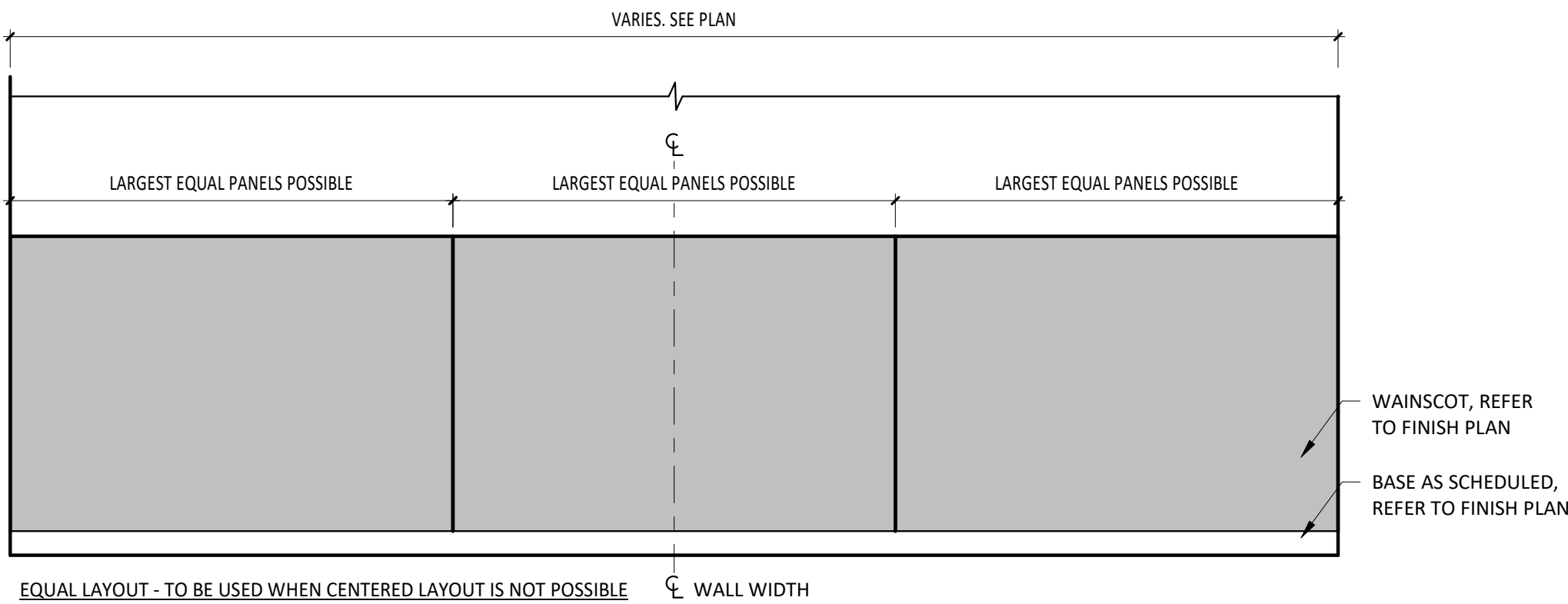
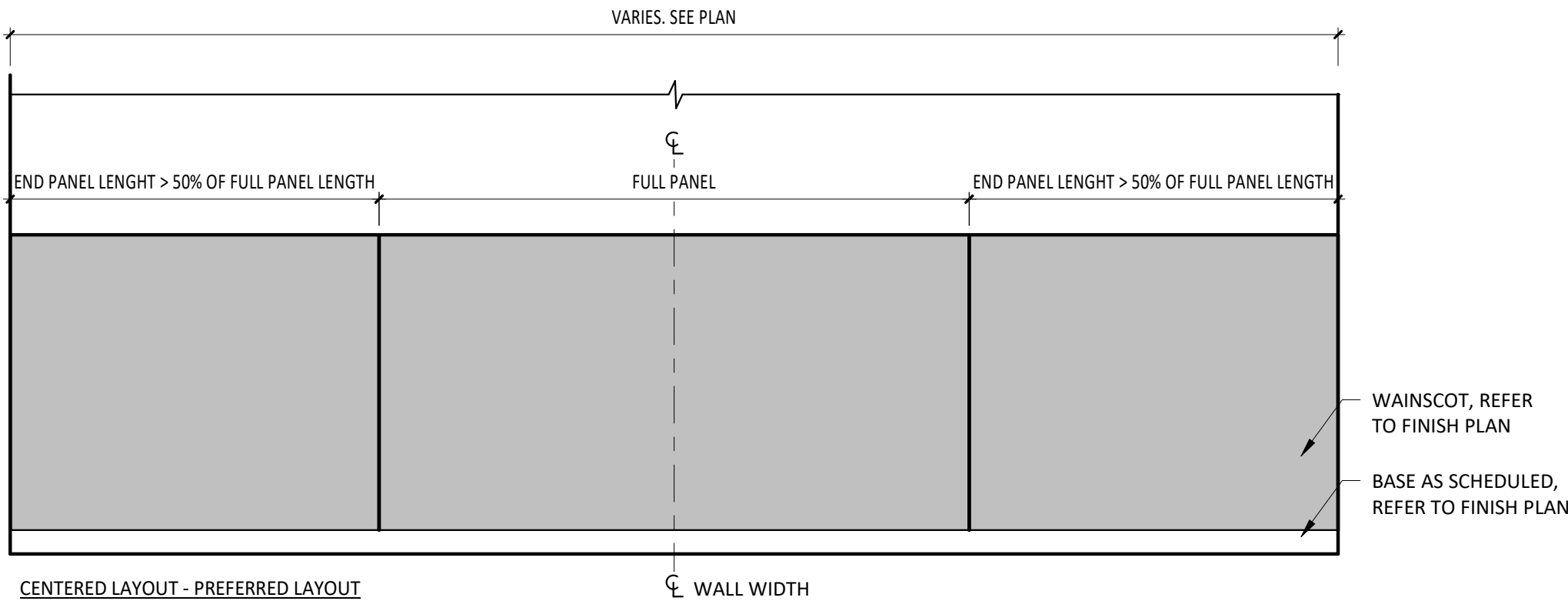




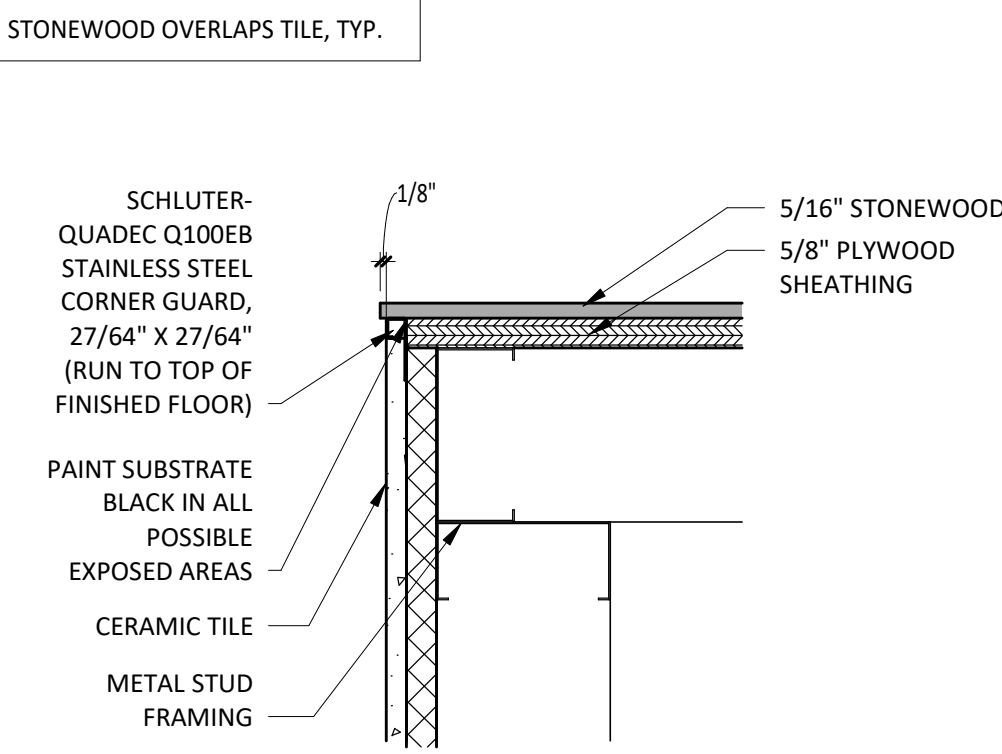
6 SECTION @ WAINSCOT SILL / JAMB
SCALE: 1" = 1'-0"



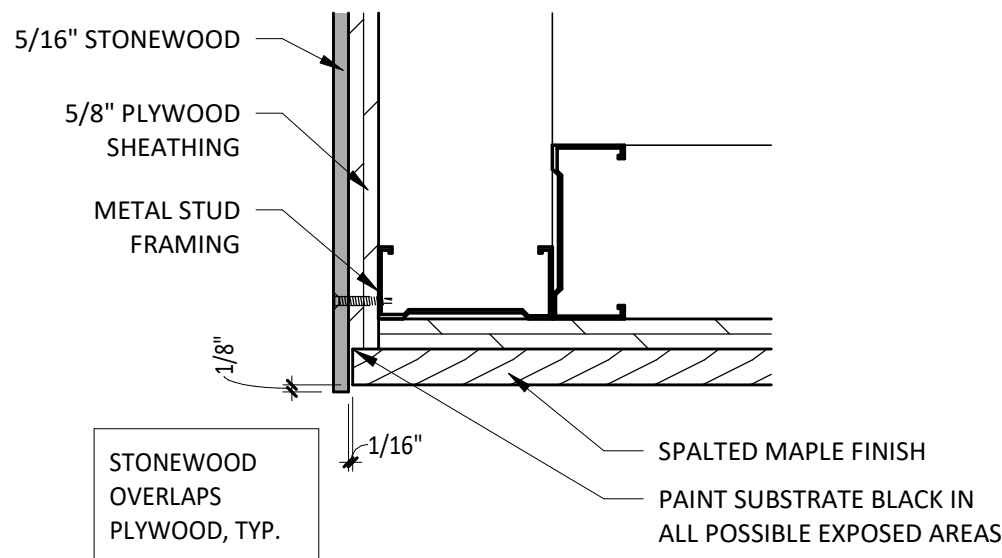
7 WAINSCOT DETAILS
SCALE: 1 1/2" = 1'-0"



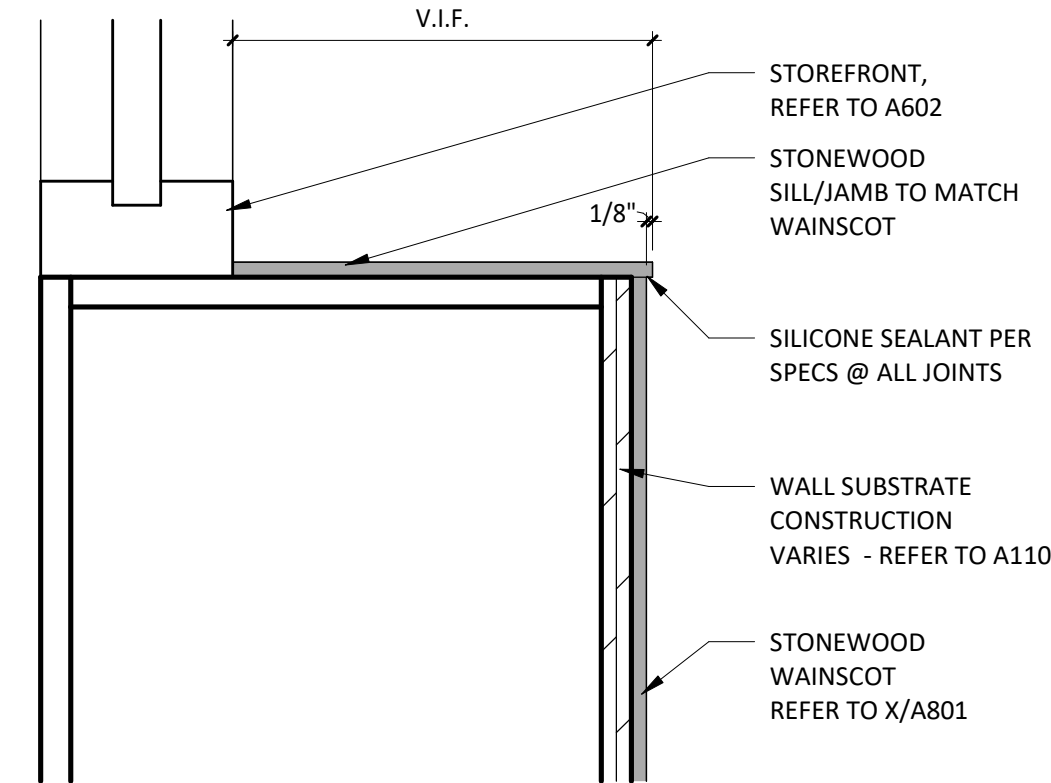
14 WAINSCOT LAYOUT
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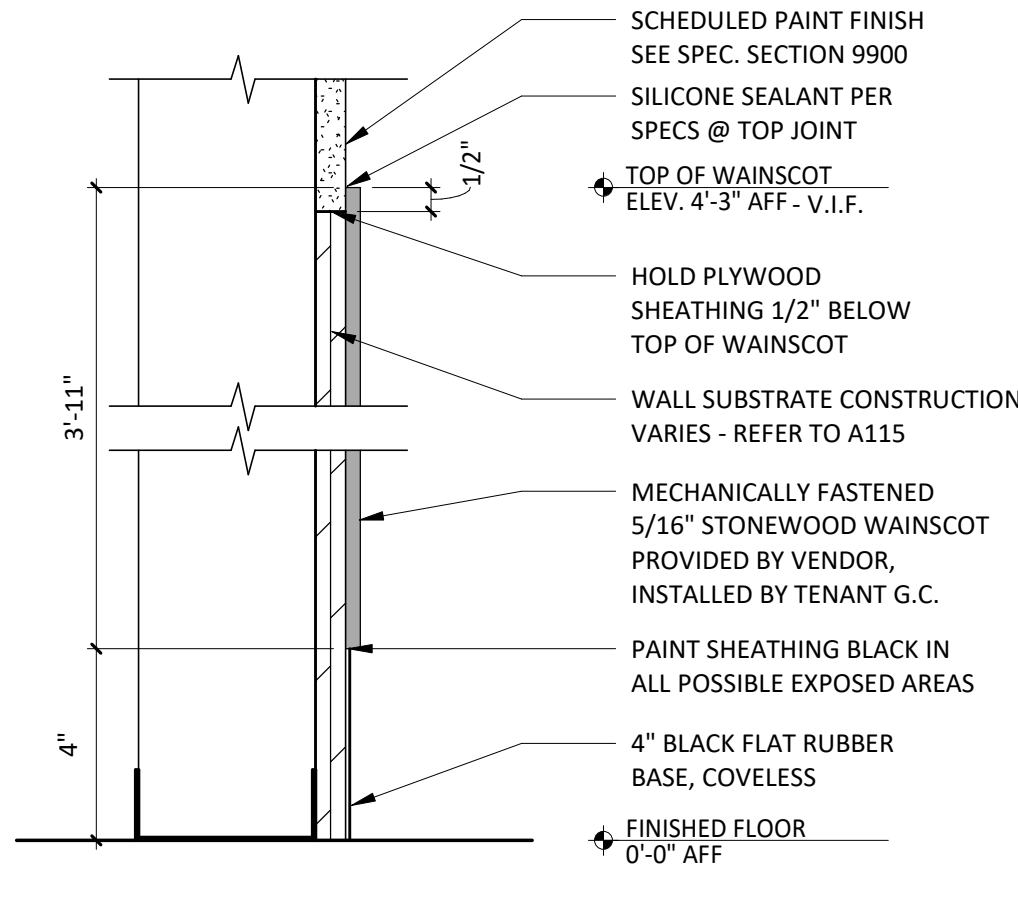
3 DETAIL @ STONEWOOD TO TILE CORNER
SCALE: 3" = 1'-0"



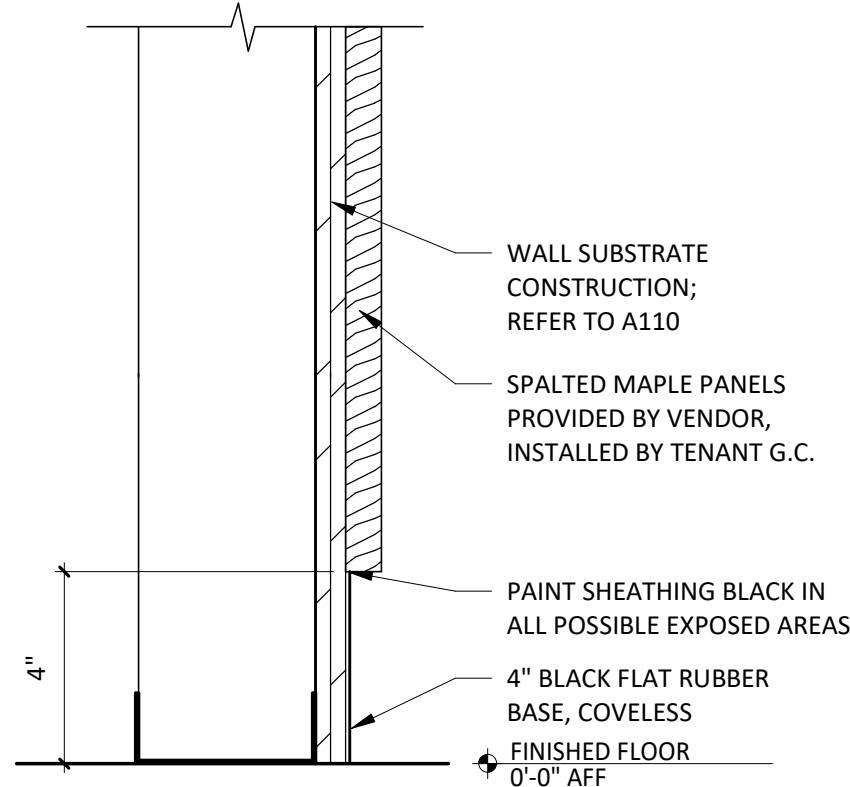
8 DETAIL @ WOOD TO STONEWOOD CNR.
SCALE: 3" = 1'-0"



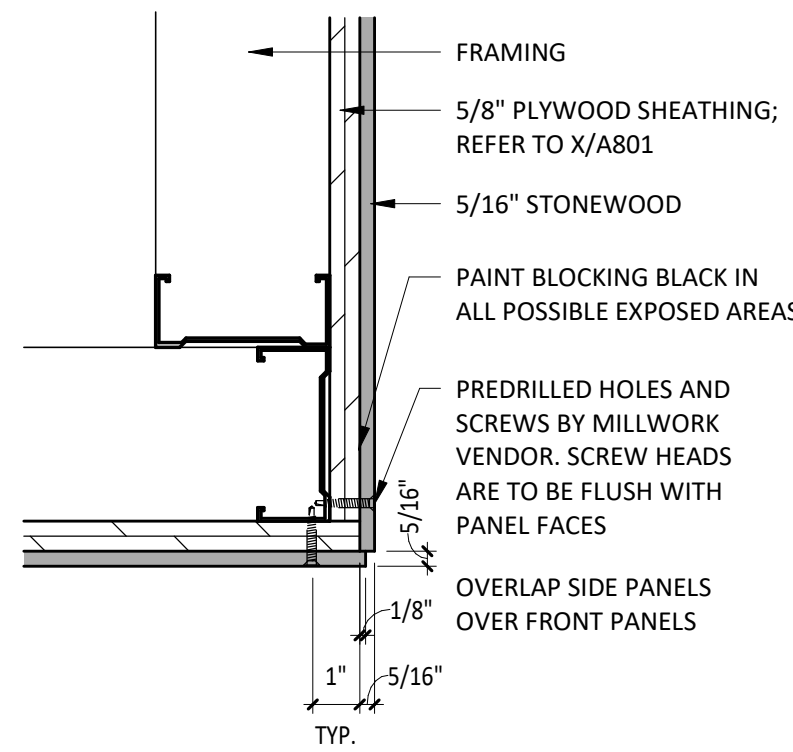
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SCALE: 3" = 1'-0"



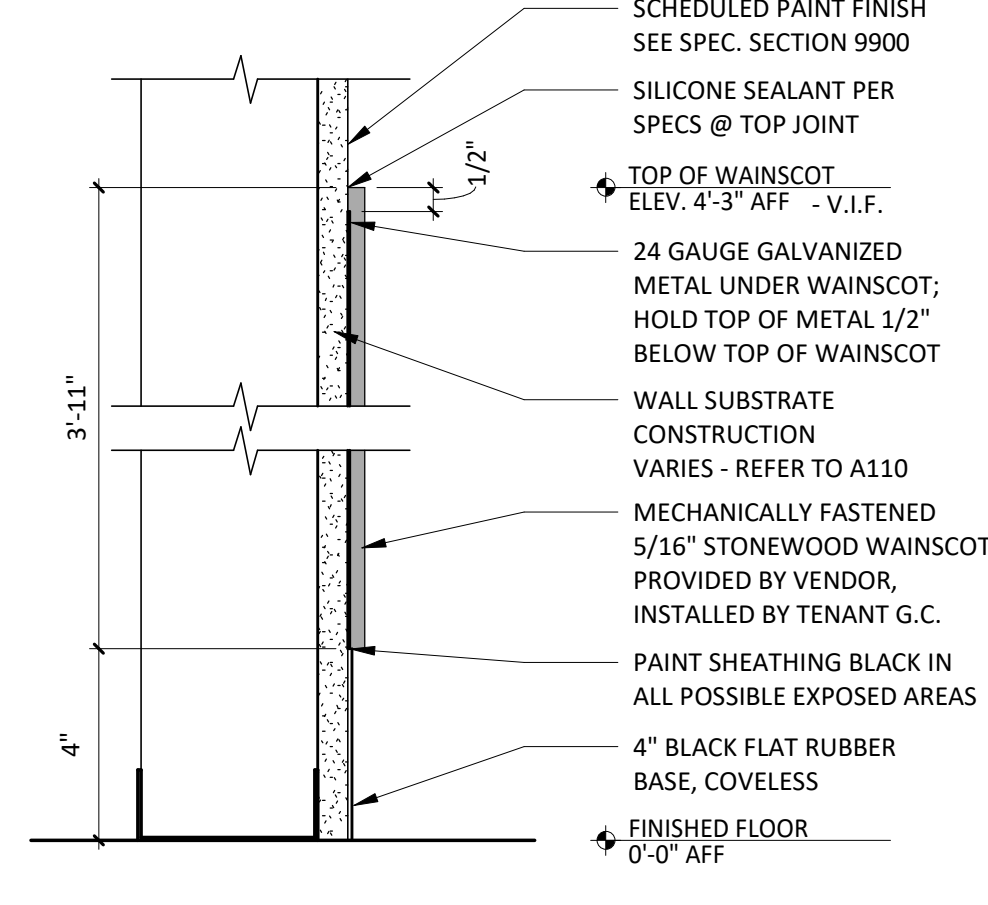
4 SECTION @ WAINSCOT
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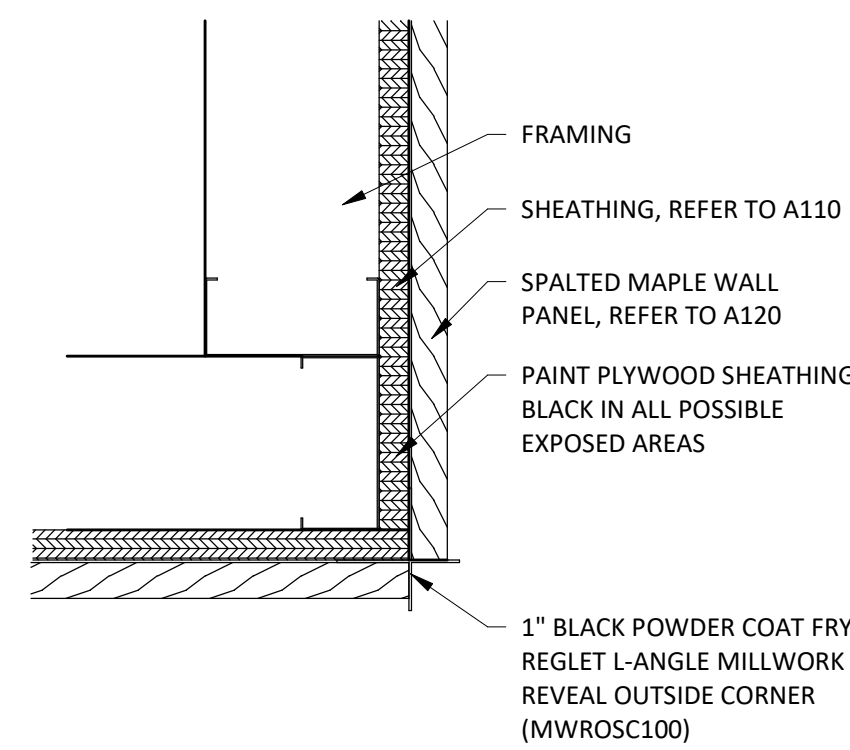
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SCALE: 3" = 1'-0"



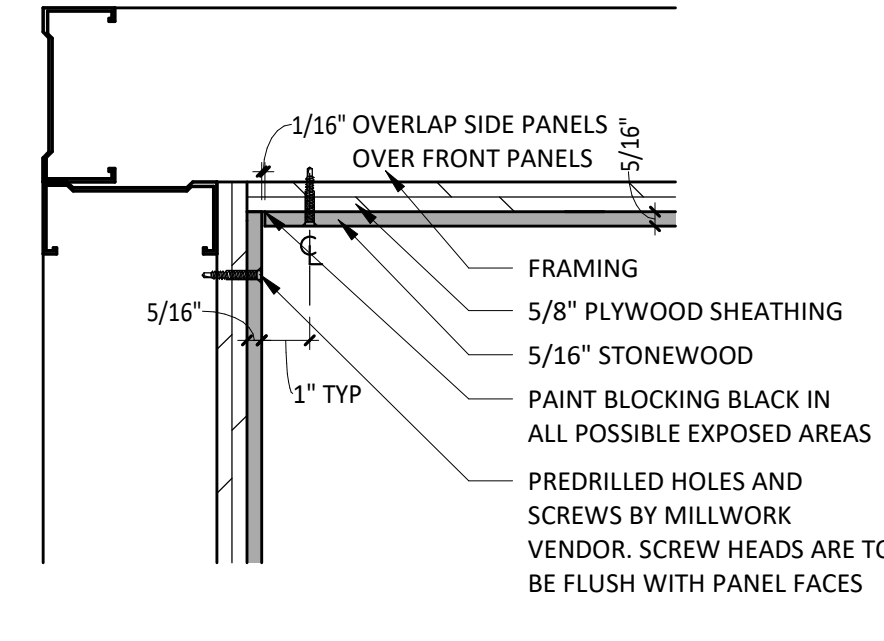
12 DETAIL @ TYP. WAINSCOT CORNER
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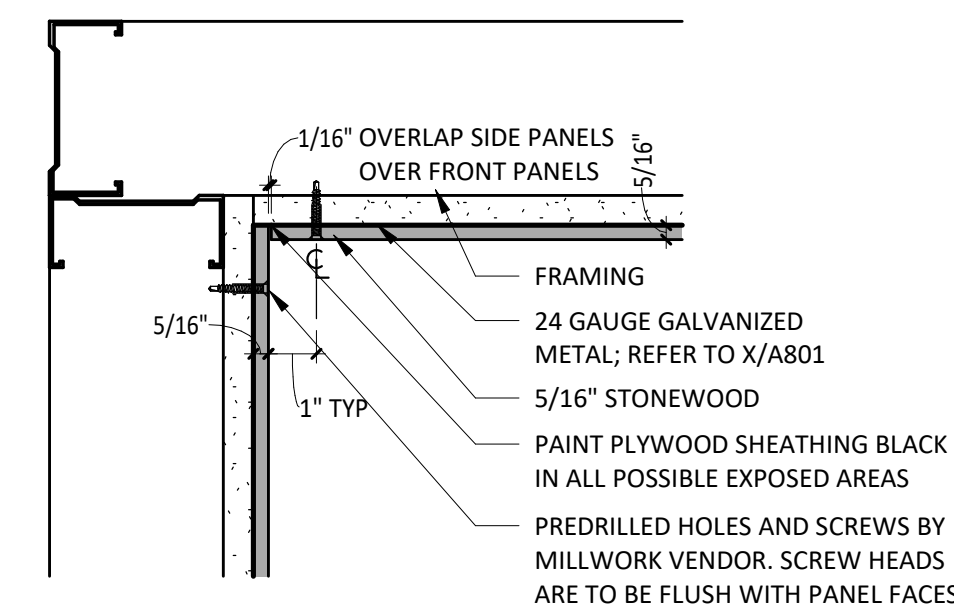
5 SECTION @ WAINSCOT
SCALE: 3" = 1'-0"



10 DETAIL @ WOOD TO WOOD CORNER
SCALE: 3" = 1'-0"



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



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



CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182966
COLUMBUS, OH 43218-2966
TELEPHONE: (614) 338-2662
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PROJECT INFORMATION:

STORE NO.: #5558
"OWATONNA"
135 ALLAN AVE
OWATONNA, MN 55060

SEAL:

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Matthew M. Wilku's LICENSE # 54678

DATE January 06, 2025

PROJECT NO. 2024-0266

DRAWN BY TRC

CHECKED BY DRL

ISSUE RECORD:

09/17/2024 PERMIT SET

10/24/2024 BID SET

12/02/2024 CONSTRUCTION SET

REVISIONS:

TITLE:

FINISH DETAILS -
WOOD

SHEET NUMBER:

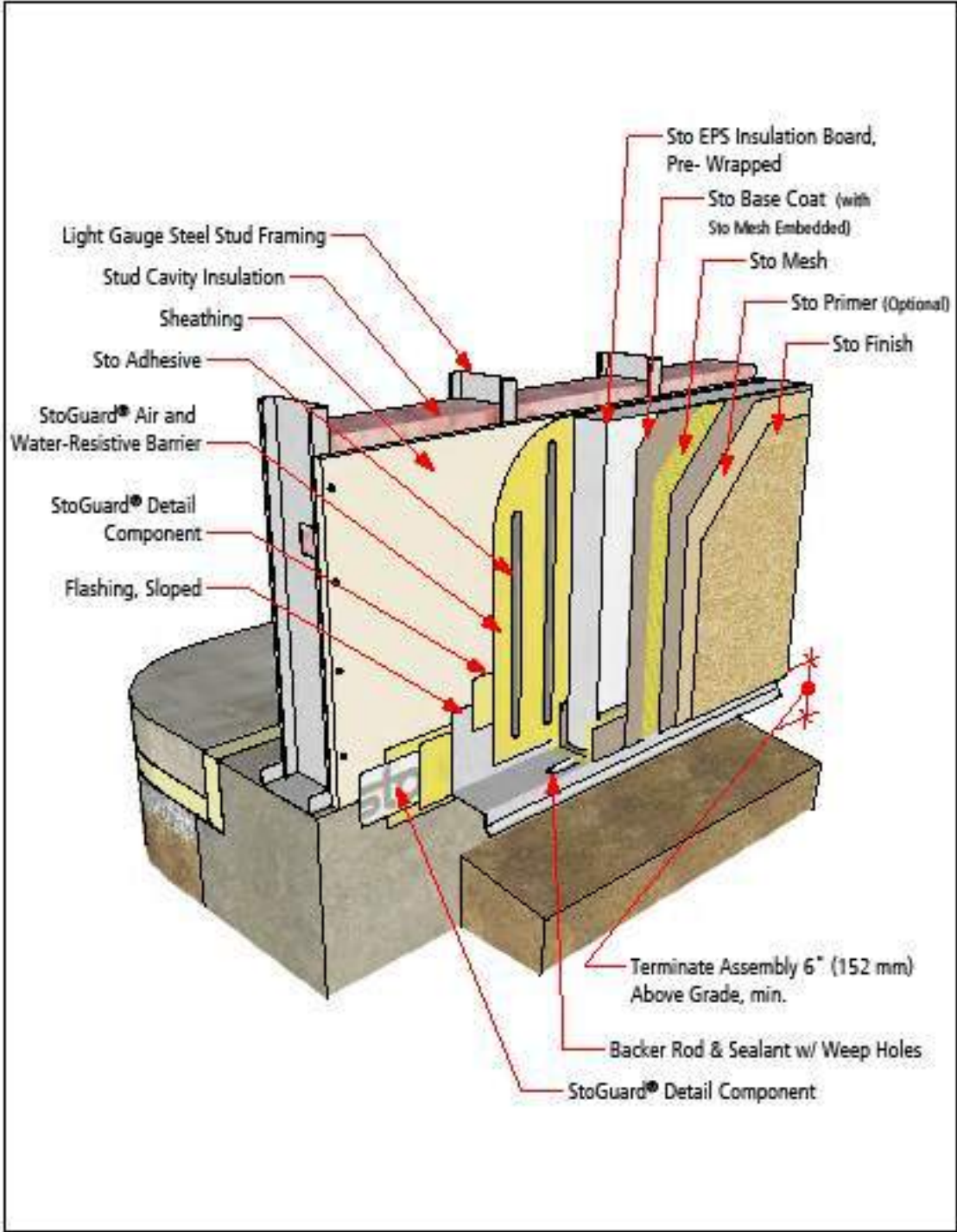
A804

⬆️ Back to Top



StoTherm® ci
Termination at Grade - Sheathing Flush
with Foundation or Slab Edge

Detail No.: 52s.03A
Date: June 2022



Notes:

1. Refer to StoGuard Product Use Chart (Table 1.1) for StoGuard detail components; joint treatment, rough opening protection, backing for masonry anchors, or transitions to dissimilar materials; joints and seams in construction.

2. Refer to General Notes for specific information and design guidance on wall assembly components.

3. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

1 StoTherm - TERMINATION @ GRADE
SCALE: 1/4" = 1'-0"

CONSULTANT:



CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182966
COLUMBUS, OH 43218-2966
TELEPHONE: (614) 335-2452
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PROJECT INFORMATION:

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"OWATONNA"
135 ALLAN AVE
OWATONNA, MN 55060

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Matthew M. Wilkus LICENSE # 54678
Matthew M. Wilkus

DATE January 06, 2025

PROJECT NO. 2024-0266
DRAWN BY TRC
CHECKED BY DRL

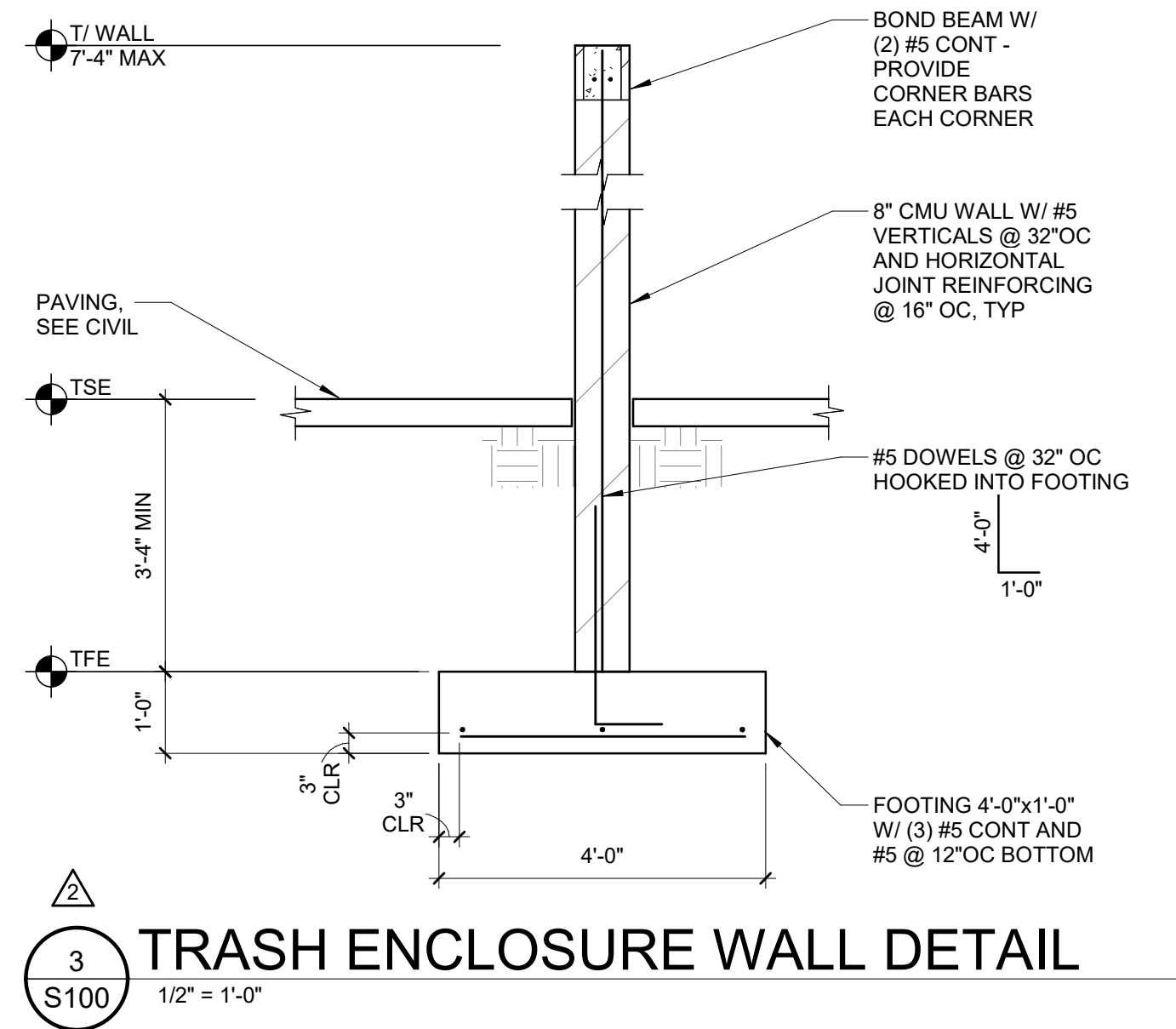
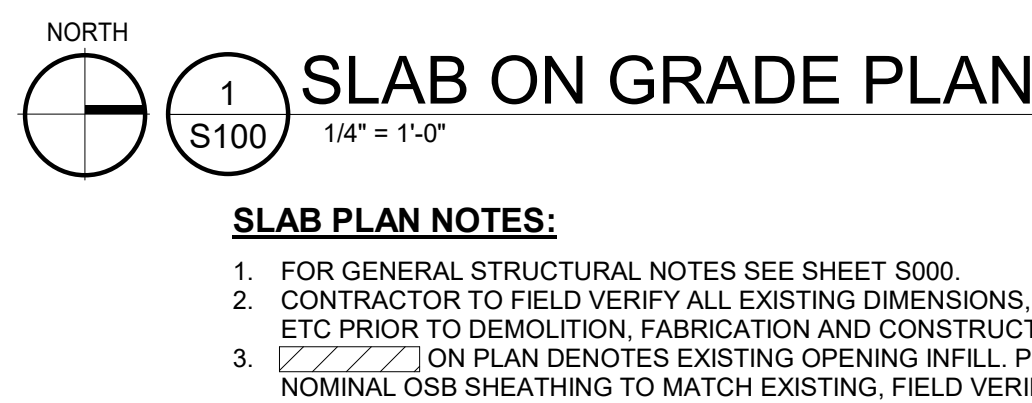
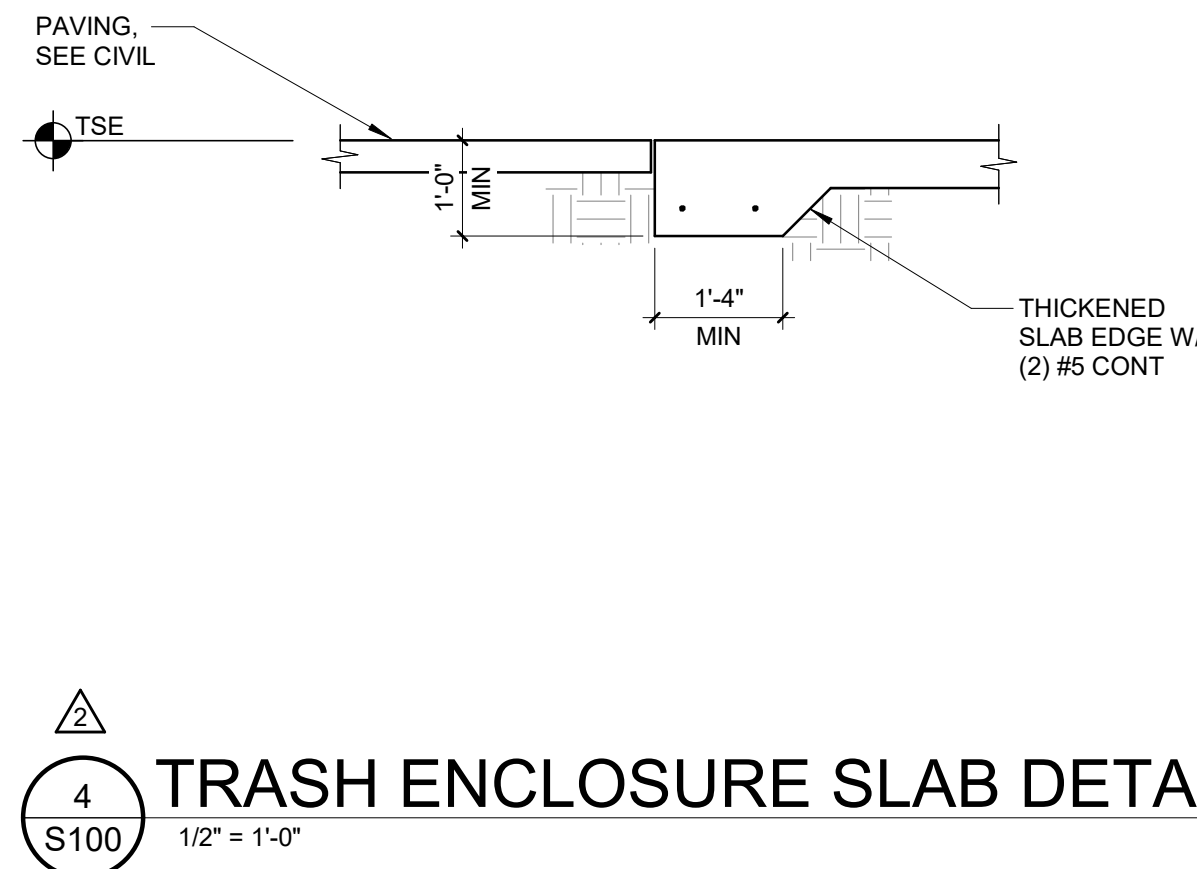
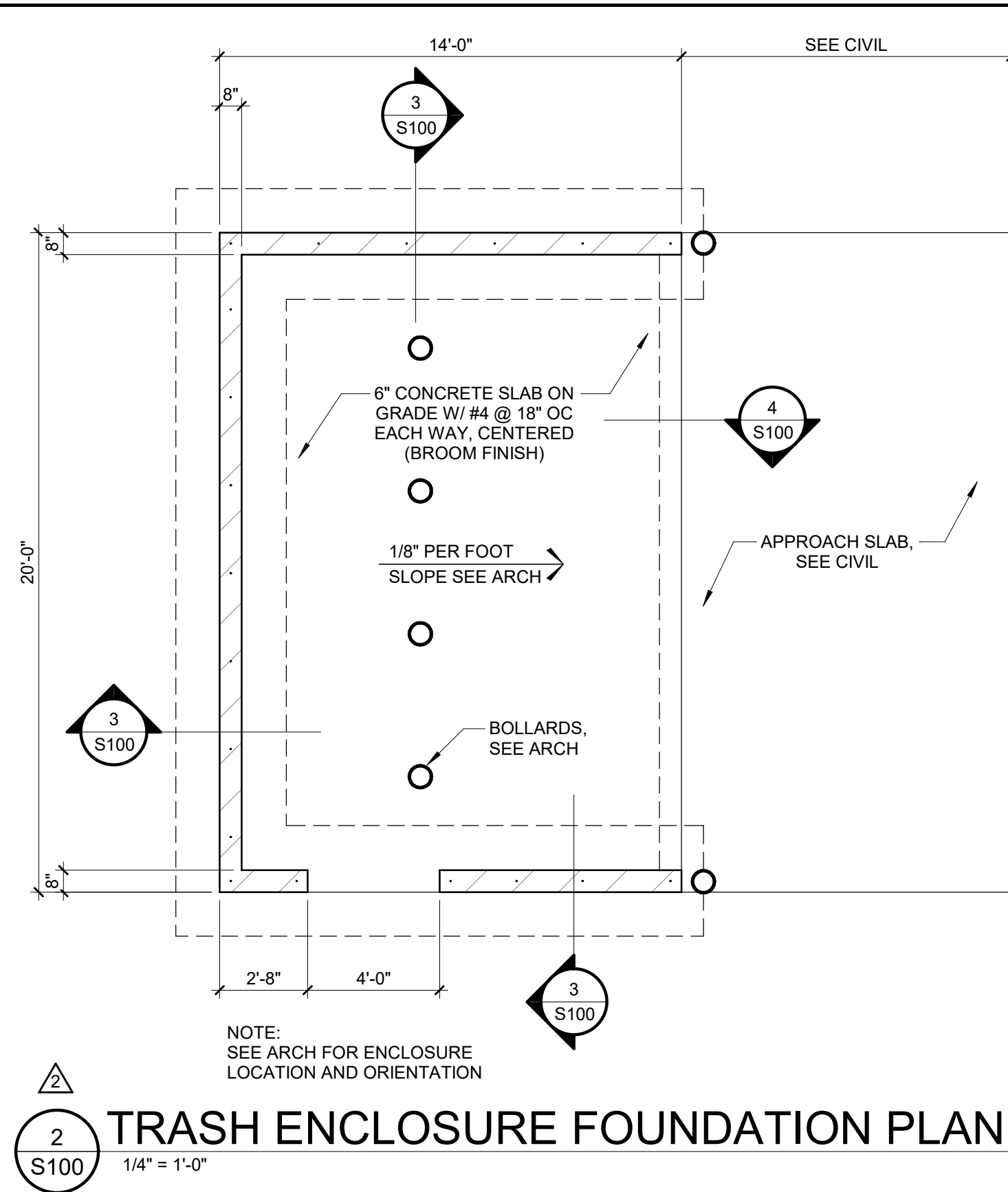
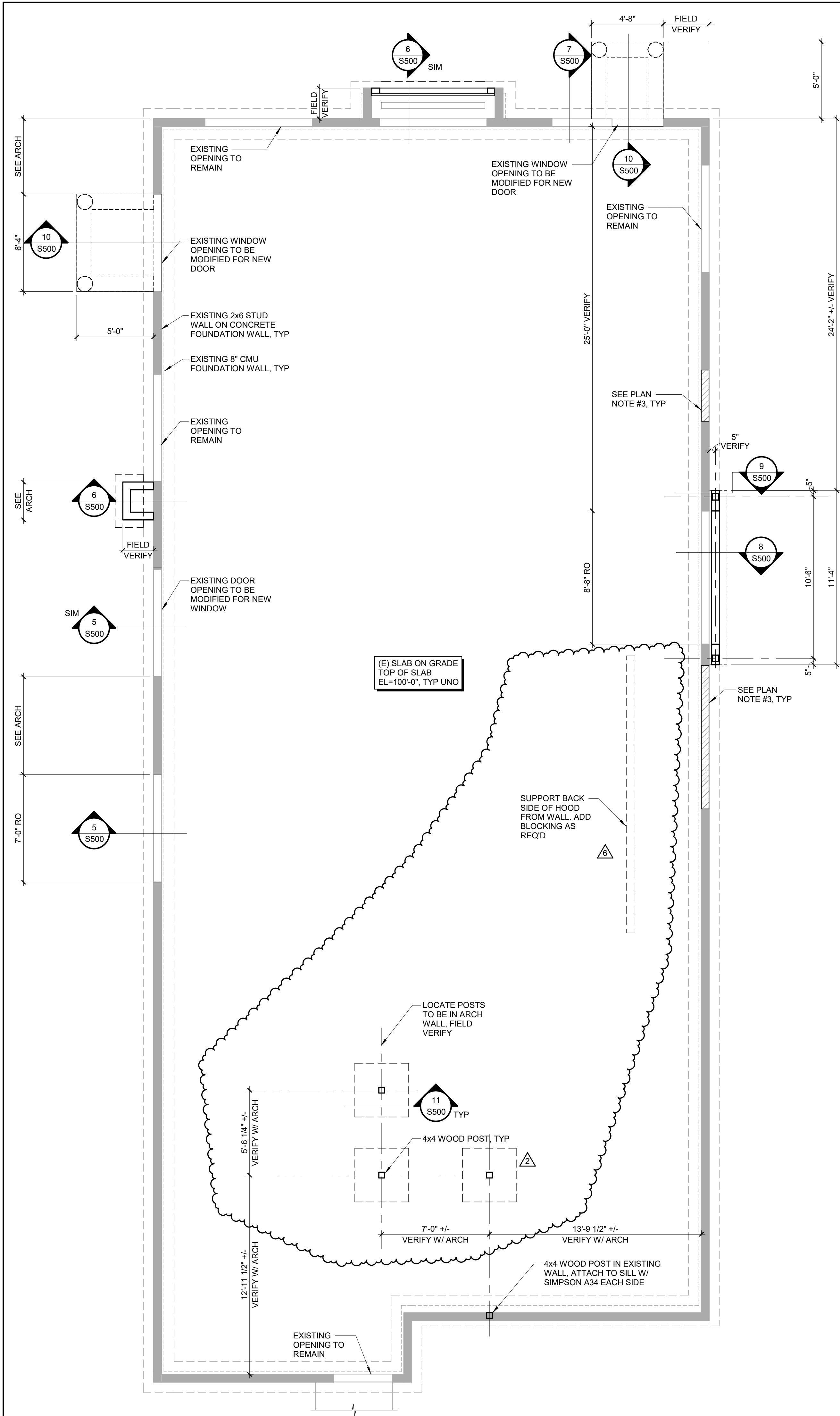
ISSUE RECORD:
09/17/2024 PERMIT SET
10/24/2024 BID SET
12/02/2024 CONSTRUCTION SET

REVISIONS:
2 10.14.2024 City Comments

TITLE:
EIFS DETAILS

SHEET NUMBER:

A805



CONSULTANT:

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

763.559.9100
www.vaaeng.com

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.: 5568
"OWATONNA"
135 ALLEN AVE
OWATONNA, MN 55060

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

Signature:
Typed or Printed Name: MARK D. MIELKE
Date: 01.03.2025 License Number: 41957

PROJECT NO. 240504
DRAWN BY TAH/TJM
CHECKED BY TJM

ISSUE RECORD:

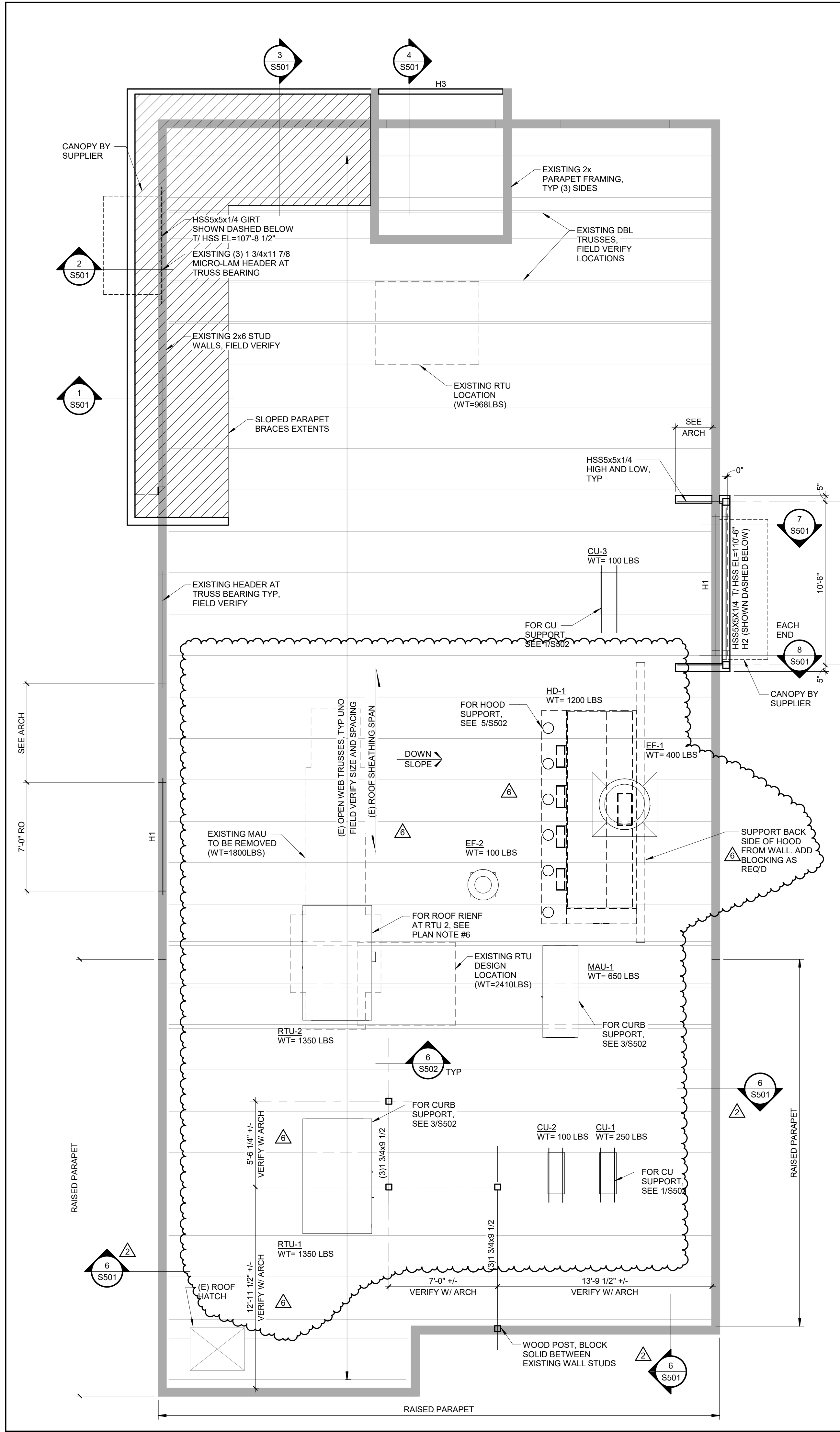
09.16.2024	PERMIT SET
10.24.2024	BID SET
12.02.2024	CONSTRUCTION SET

REVISIONS:

2	10.14.2024	CLIENT COMMENTS
6	01.06.2025	CB-01

TITLE:
SLAB ON GRADE
PLAN

SHEET NUMBER:
S100



1
S200

EQUIPMENT SUPPORT PLAN

1/4" = 1'-0"

ROOF FRAMING PLAN NOTES:

- FOR GENERAL STRUCTURAL NOTES SEE SHEET S000.
- CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, CONDITIONS, ETC PRIOR TO DEMOLITION, FABRICATION AND CONSTRUCTION
- FOR CONCENTRATED LOADS SUSPENDED FROM EXISTING ROOF TRUSSES SEE 2/S502.
- FOR ROOF DECK OPENINGS LARGER THAN 8" SEE 3/S502.
- "H" ON PLAN DENOTES NEW WOOD HEADER IN EXISTING WALL, SEE SCHEDULE THIS SHEET.
- ROOF REINFORCING BEAM MAY BE OMITTED IF EXISTING ROOF TRUSSES HAVE BEEN STRENGTHENED FOR EXISTING UNIT, FIELD VERIFY PRIOR TO INSTALLING NEW UNIT. NOTIFY ENGINEER AND/OR ARCHITECT PRIOR TO INSTALLING NEW RTU

HEADER SCHEDULE				
MARK	HEADER SIZE	BEARING STUDS	FULL HEIGHT STUDS	COMMENTS
H1	(3) 1 3/4x9 1/2" (LVL)	(2)2x6	(3)2x6	
H2	(3) 2x10	(2)2x6	(2)2x6	
H3	(3) 2x10	(2)2x6	(2)2x6	SEE NOTE #2

NOTES:
1. FOR ADDITIONAL INFORMATION SEE 3/S500.
2. PLACE JAMB STUDS IN EXISTING PERPENDICULAR WALL.

CONSULTANT:



VAA, LLC
2302 Berkshire Lane N, Suite 200
Plymouth, MN 55441

763.559.9100
www.vaaeng.com

CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
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TELEPHONE: (614) 318-2682
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PROJECT INFORMATION:

STORE NO.: 5558

"OWATONNA"
135 ALLEN AVE
OWATONNA, MN 55060

SEAL:

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

Signature:

Typed or Printed Name: MARK D. MIELKE

Date: 01.03.2025 License Number: 41957

PROJECT NO. 240504
DRAWN BY TAH/TJM
CHECKED BY TJM

ISSUE RECORD:
09.16.2024 PERMIT SET
10.24.2024 BID SET
12.02.2024 CONSTRUCTION SET

REVISIONS:

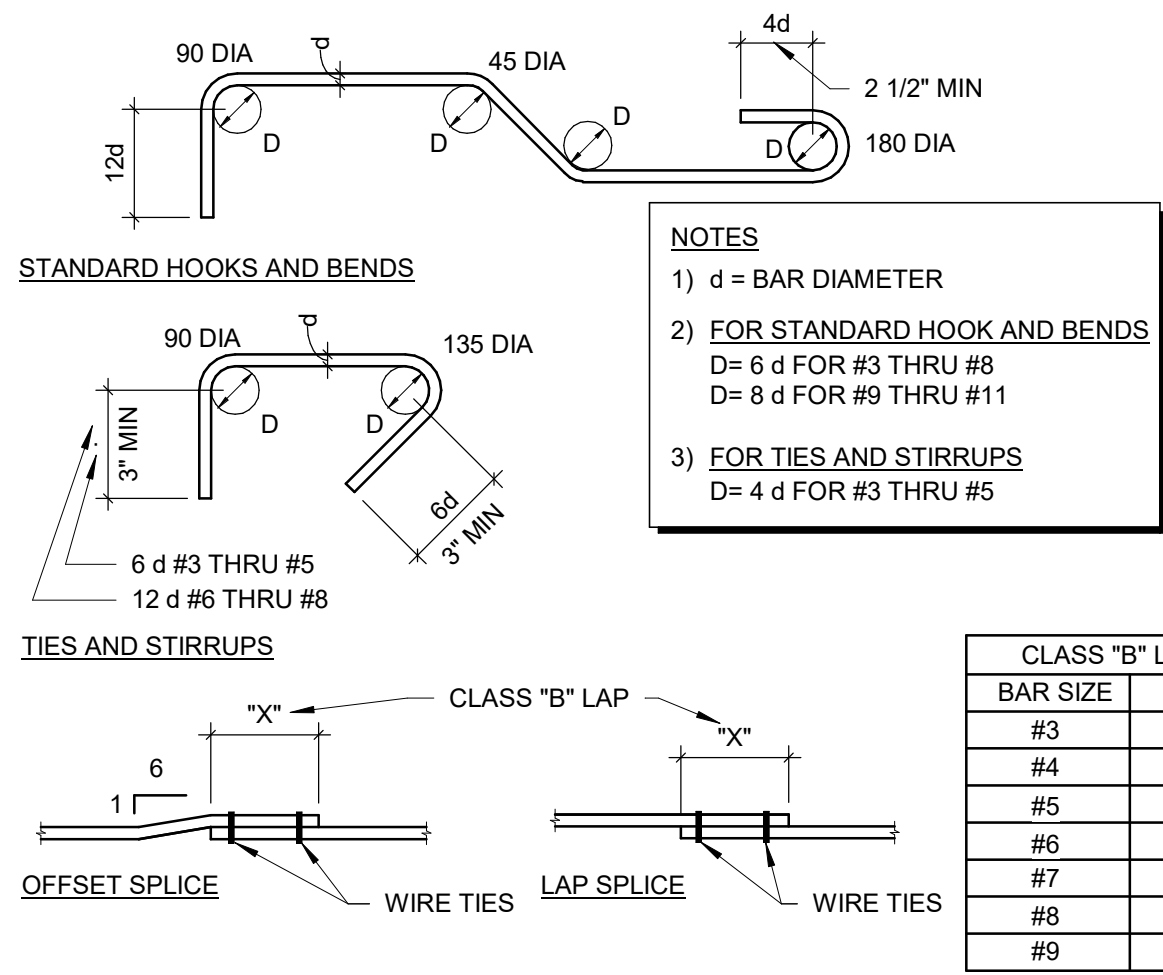
2 10.14.2024 CLIENT COMMENTS
6 01.06.2025 CB-01

TITLE:

EQUIPMENT
SUPPORT PLAN
AND DETAILS

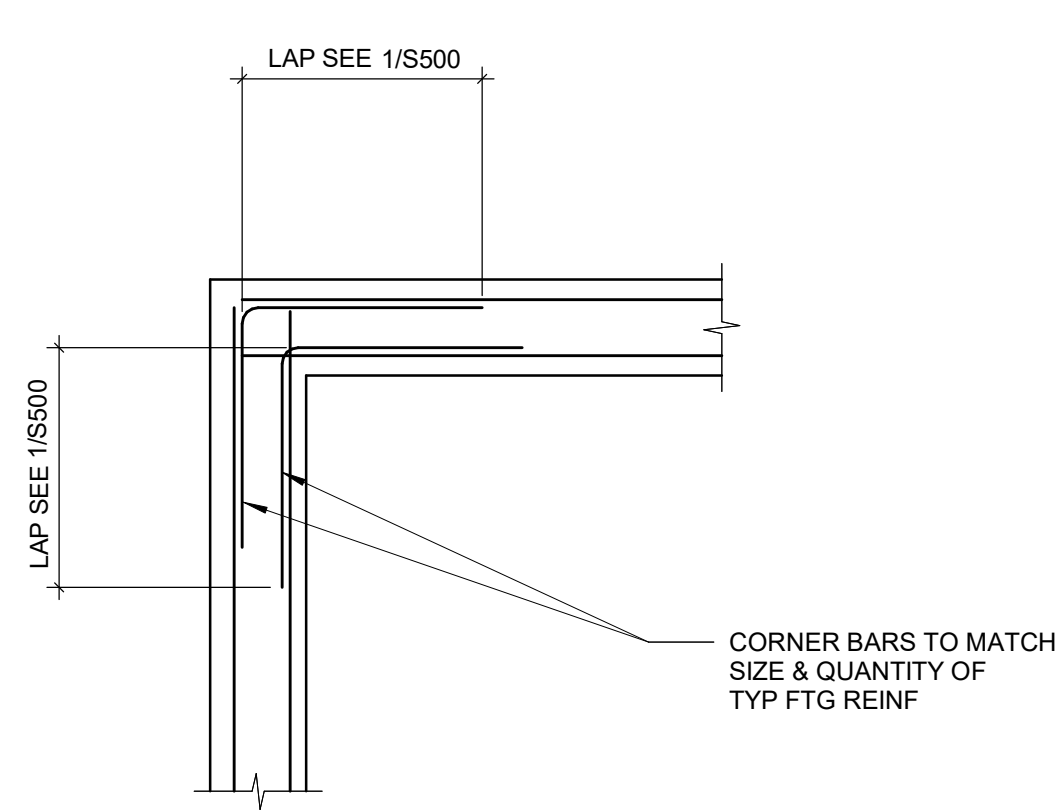
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S200



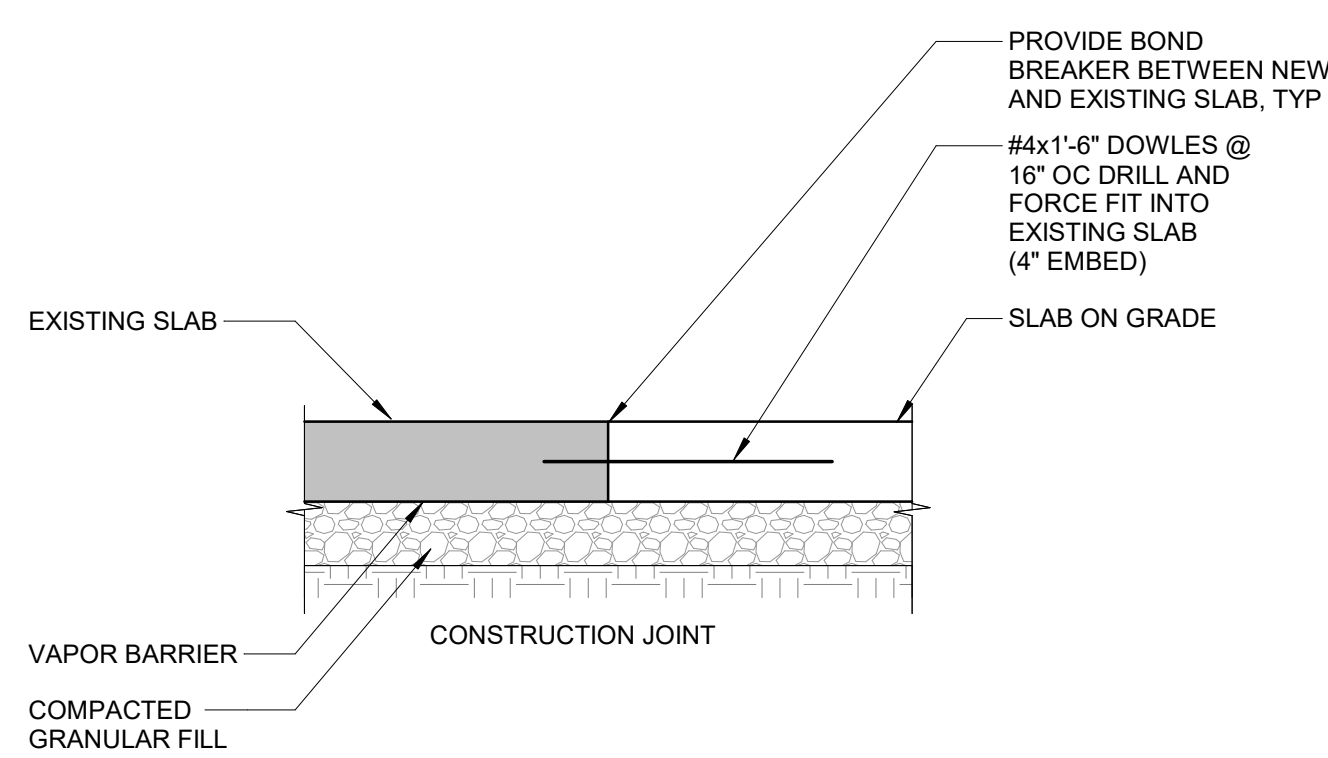
1
S500
1/2" = 1'-0"

TYPICAL BAR BENDING DETAIL



2
S500
1/2" = 1'-0"

TYP CORNER REINF DETAIL

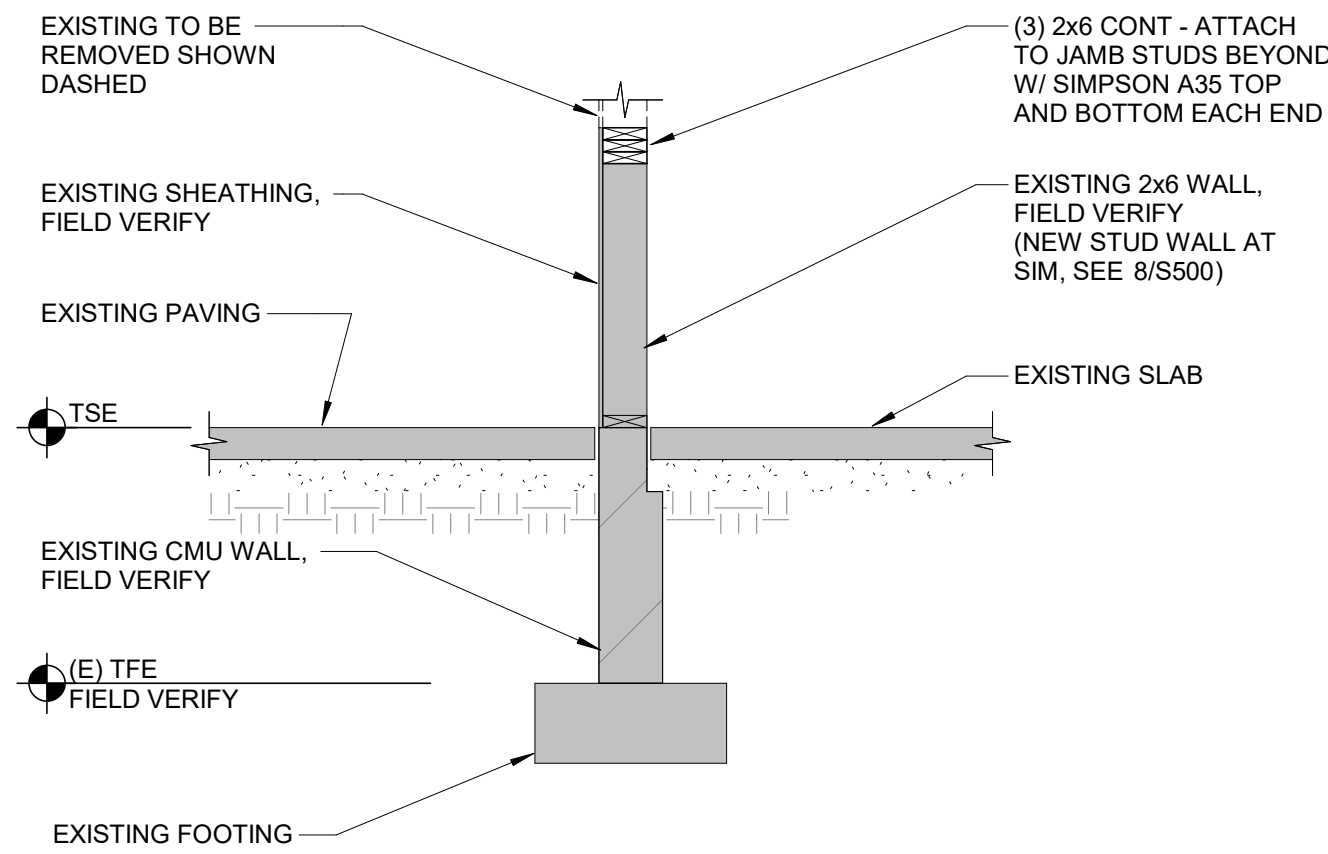


3
S500
1" = 1'-0"

INTERIOR SLAB JOINTS

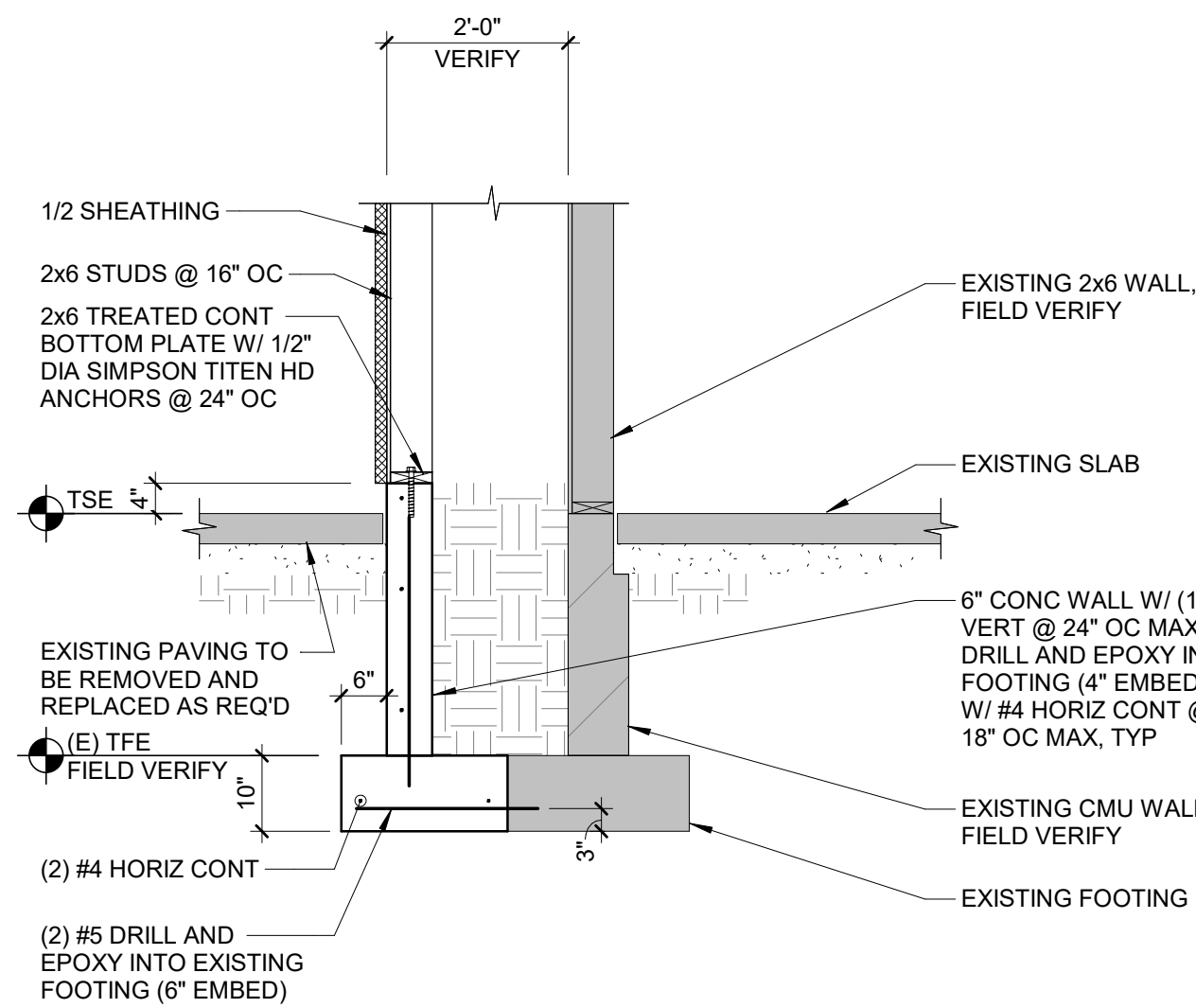
4
S500
3/4" = 1'-0"

NOT USED



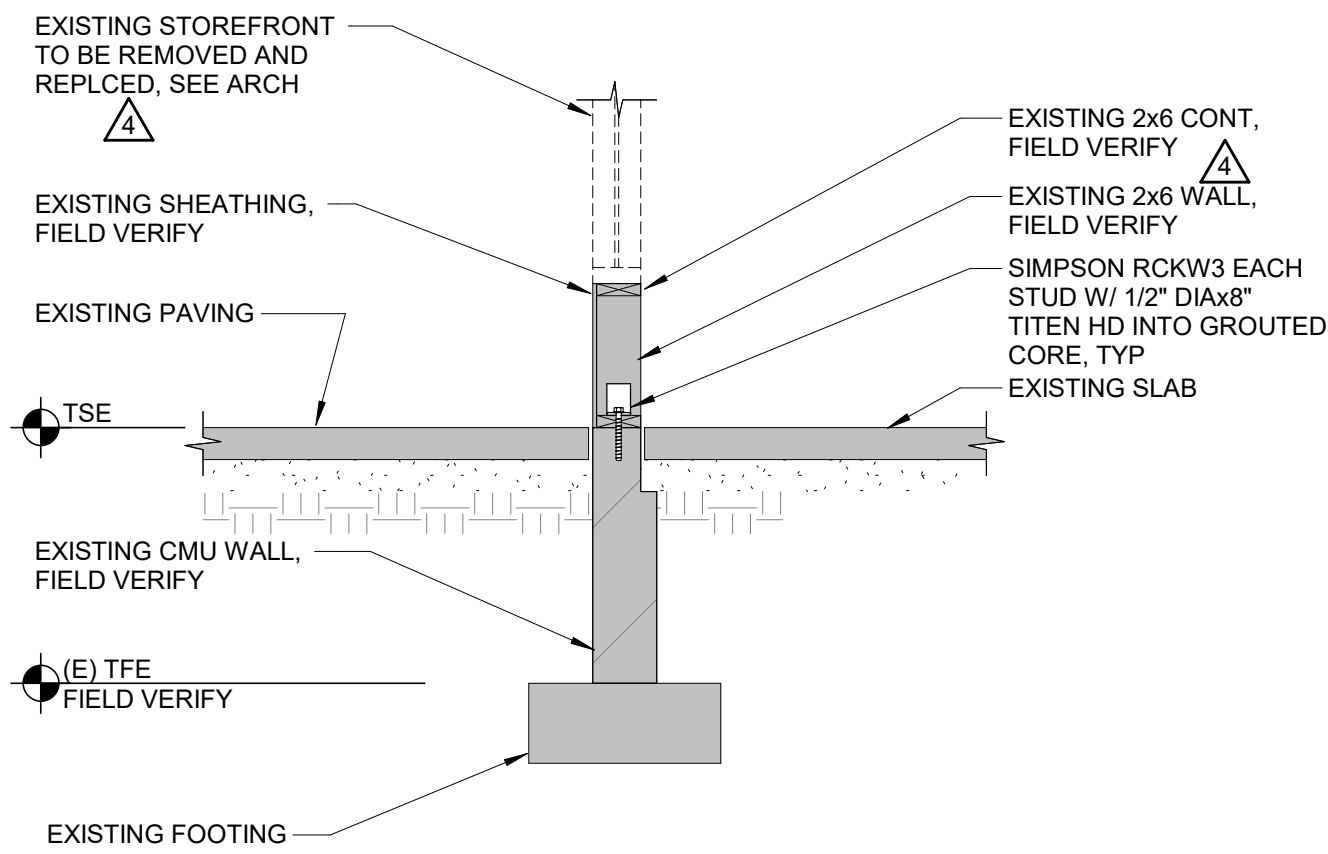
5
S500
1/2" = 1'-0"

FOUNDATION WALL DETAIL



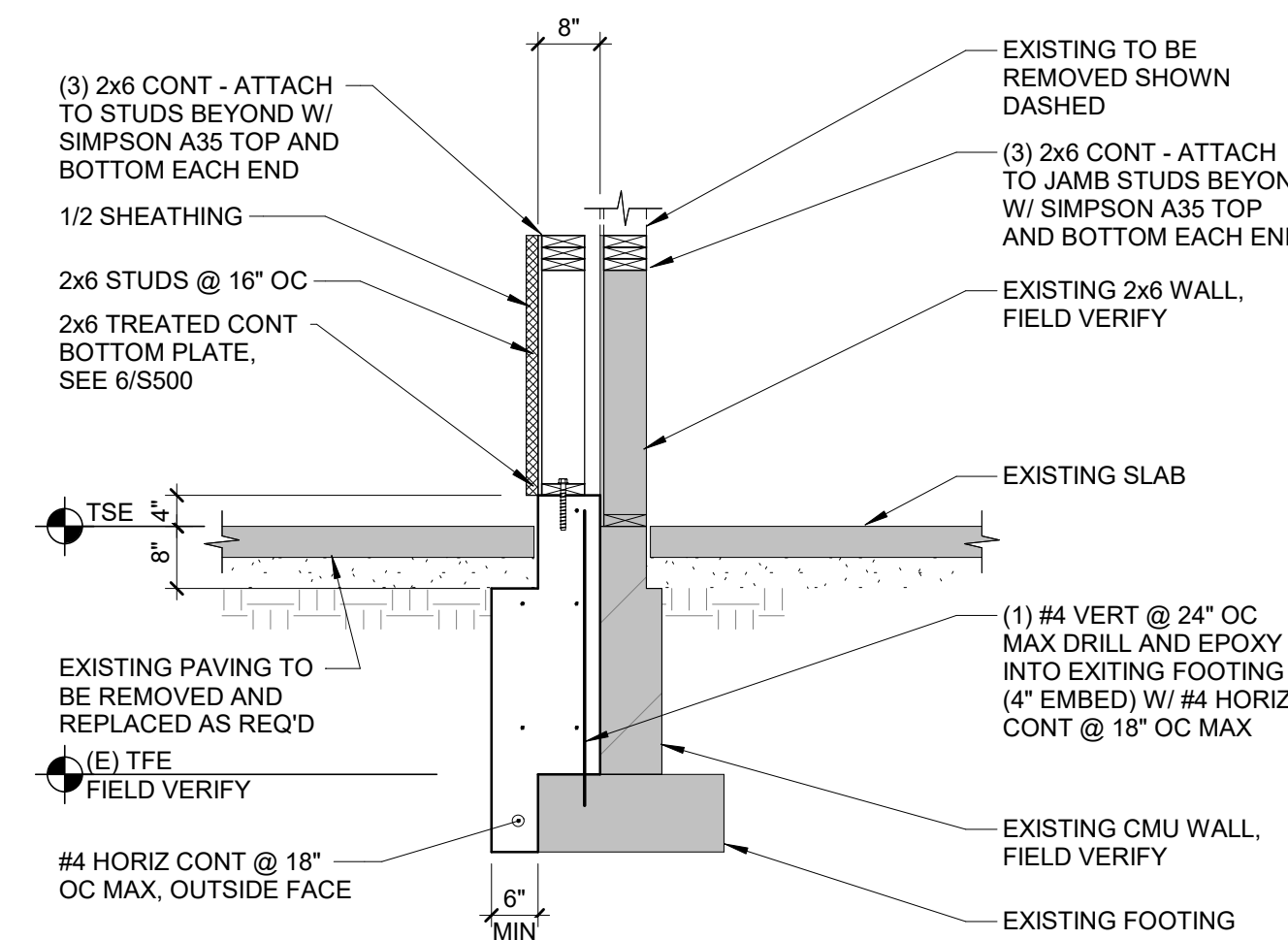
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S500
1/2" = 1'-0"

FOUNDATION WALL DETAIL



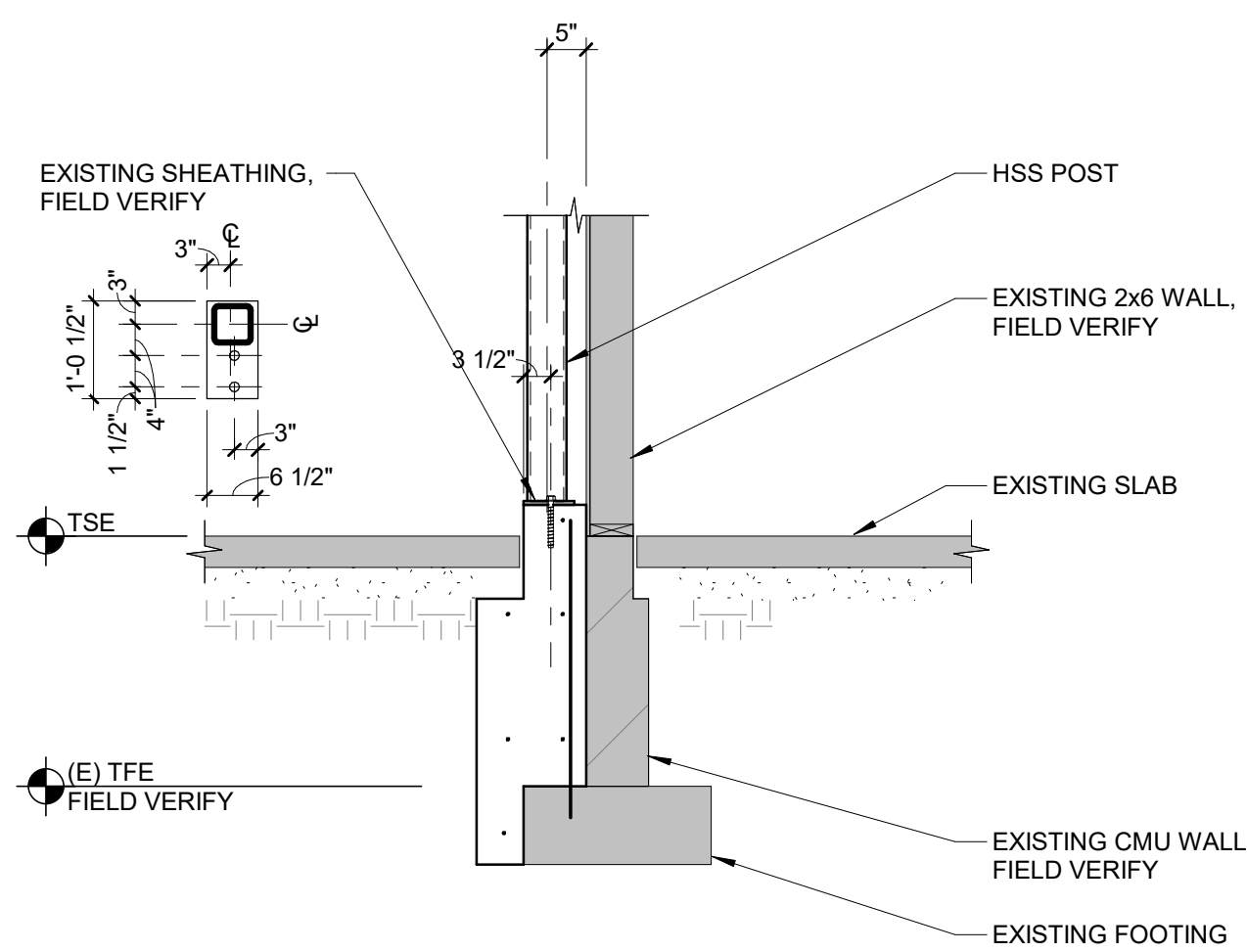
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S500
1/2" = 1'-0"

FOUNDATION WALL DETAIL



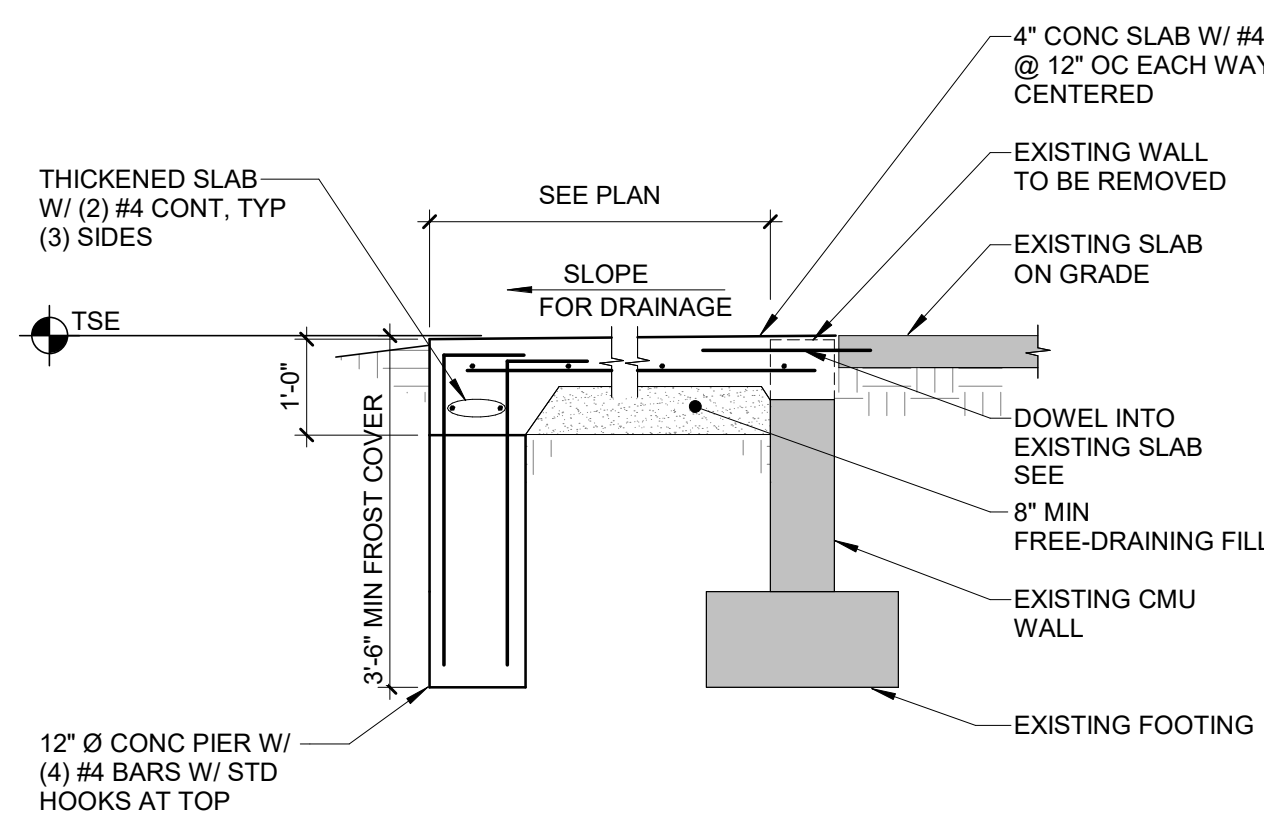
8
S500
1/2" = 1'-0"

FOUNDATION WALL DETAIL



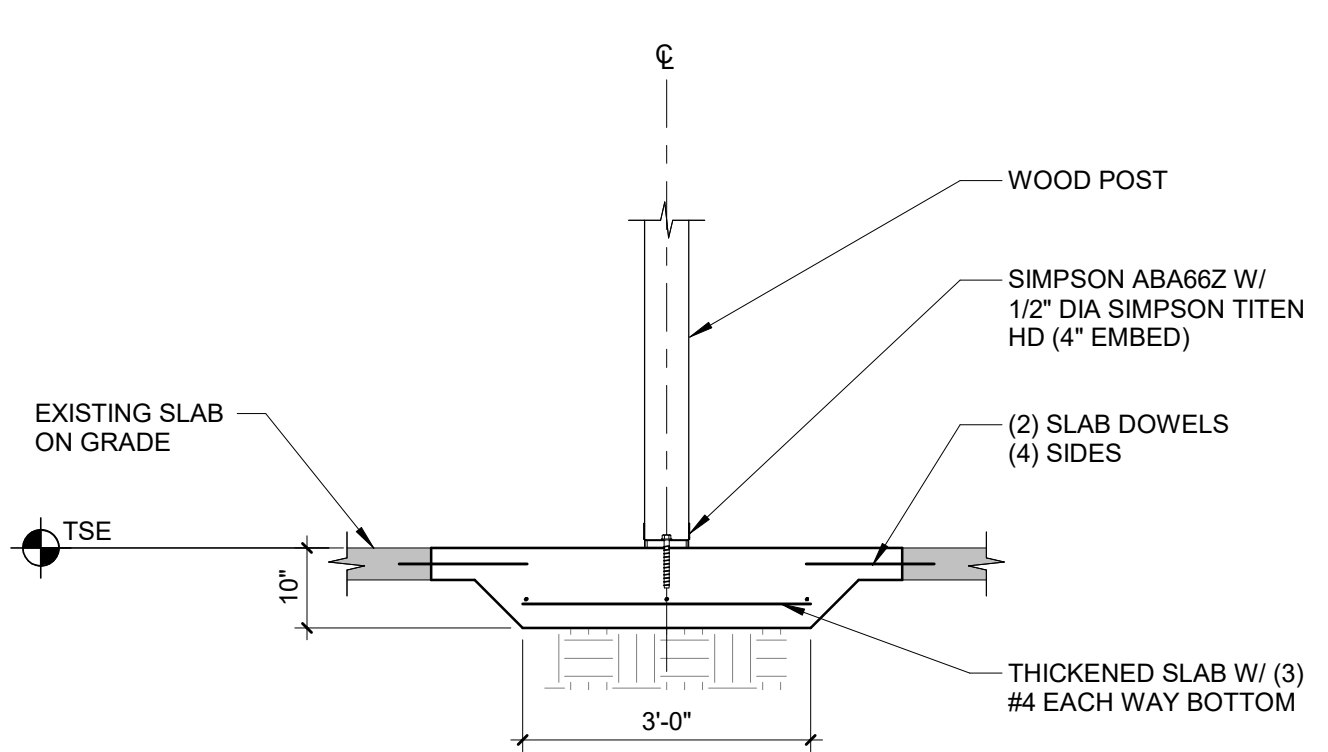
9
S500
1/2" = 1'-0"

FOUNDATION WALL DETAIL



10
S500
1/2" = 1'-0"

STOOP FOUNDATION DETAIL



11
S500
1/2" = 1'-0"

THICKENED SLAB DETAIL

STORE NO.: 5558

"OWATONNA"

135 ALLEN AVE

OWATONNA, MN 55060

SEAL:

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

Signature: *Mark D. Mielke*

Typed or Printed Name: MARK D. MIELKE

Date: 11/26/24 License Number: 41957

PROJECT NO. 240504

DRAWN BY TAH/TJM

CHECKED BY TJM

ISSUE RECORD:

DATE	DESCRIPTION
09.16.2024	PERMIT SET
10.24.2024	BID SET
12.02.2024	CONSTRUCTION SET

REVISIONS:

NO.	DATE	DESCRIPTION
2	10.14.2024	CLIENT COMMENTS
4	11.12.2024	CLIENT UPDATES

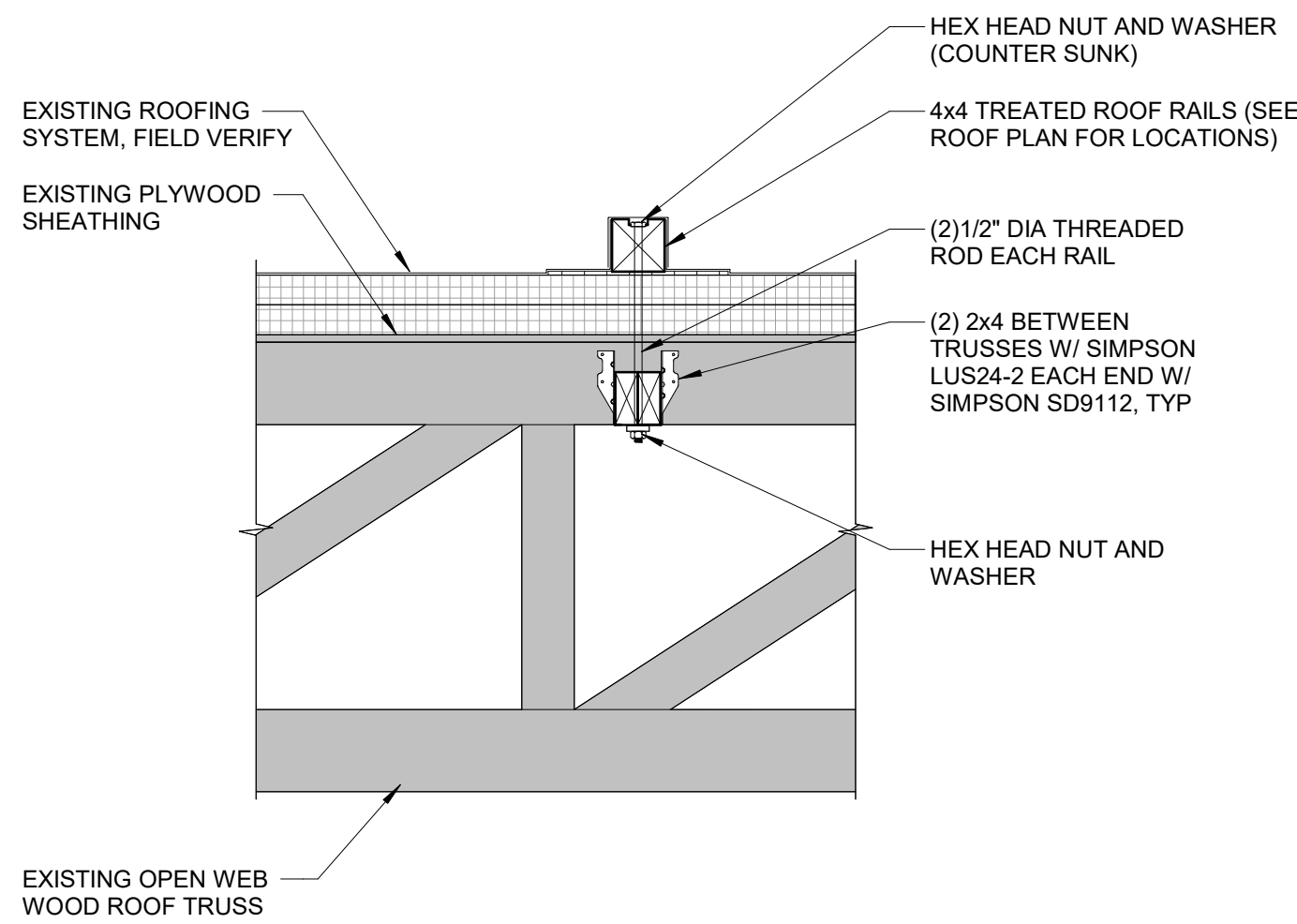
TITLE:

STRUCTURAL DETAILS

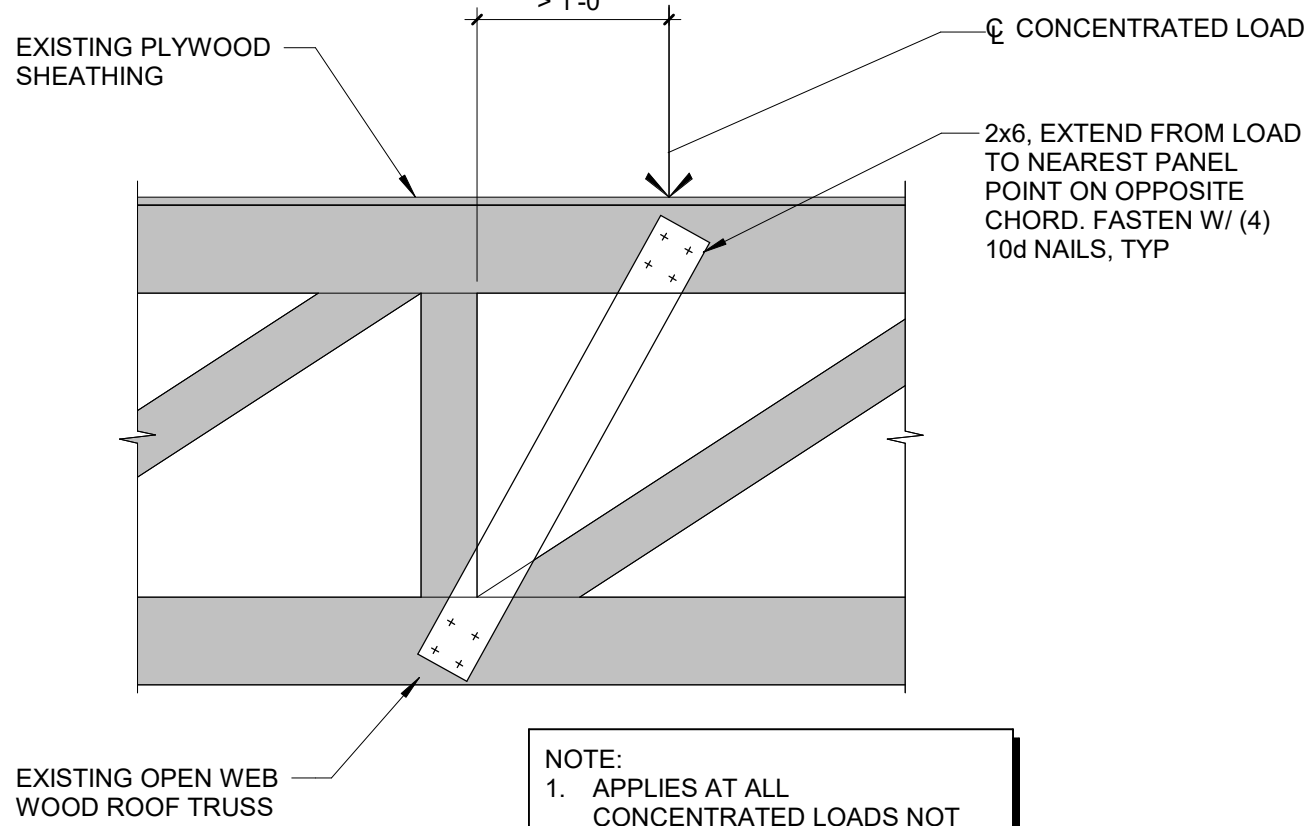
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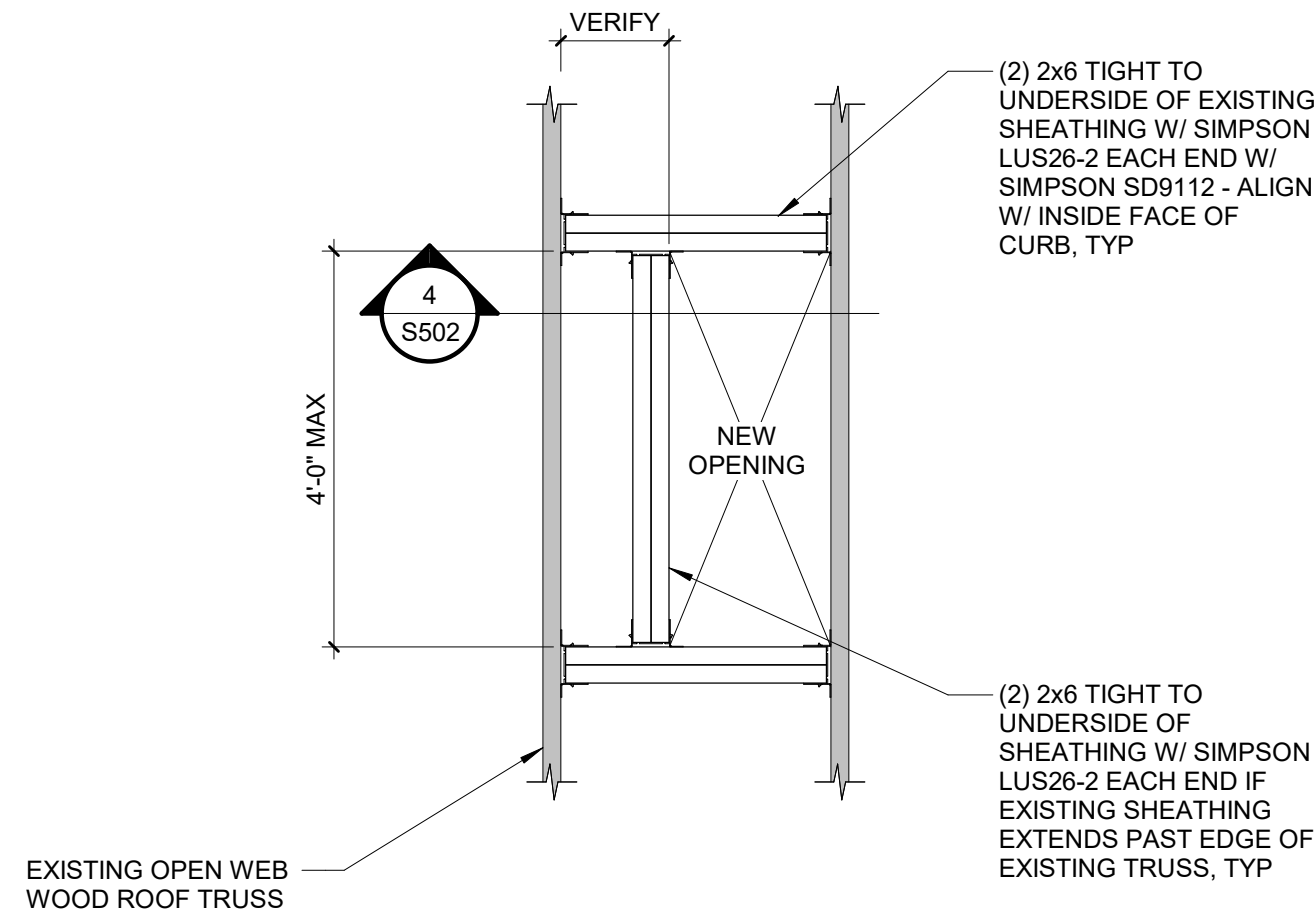




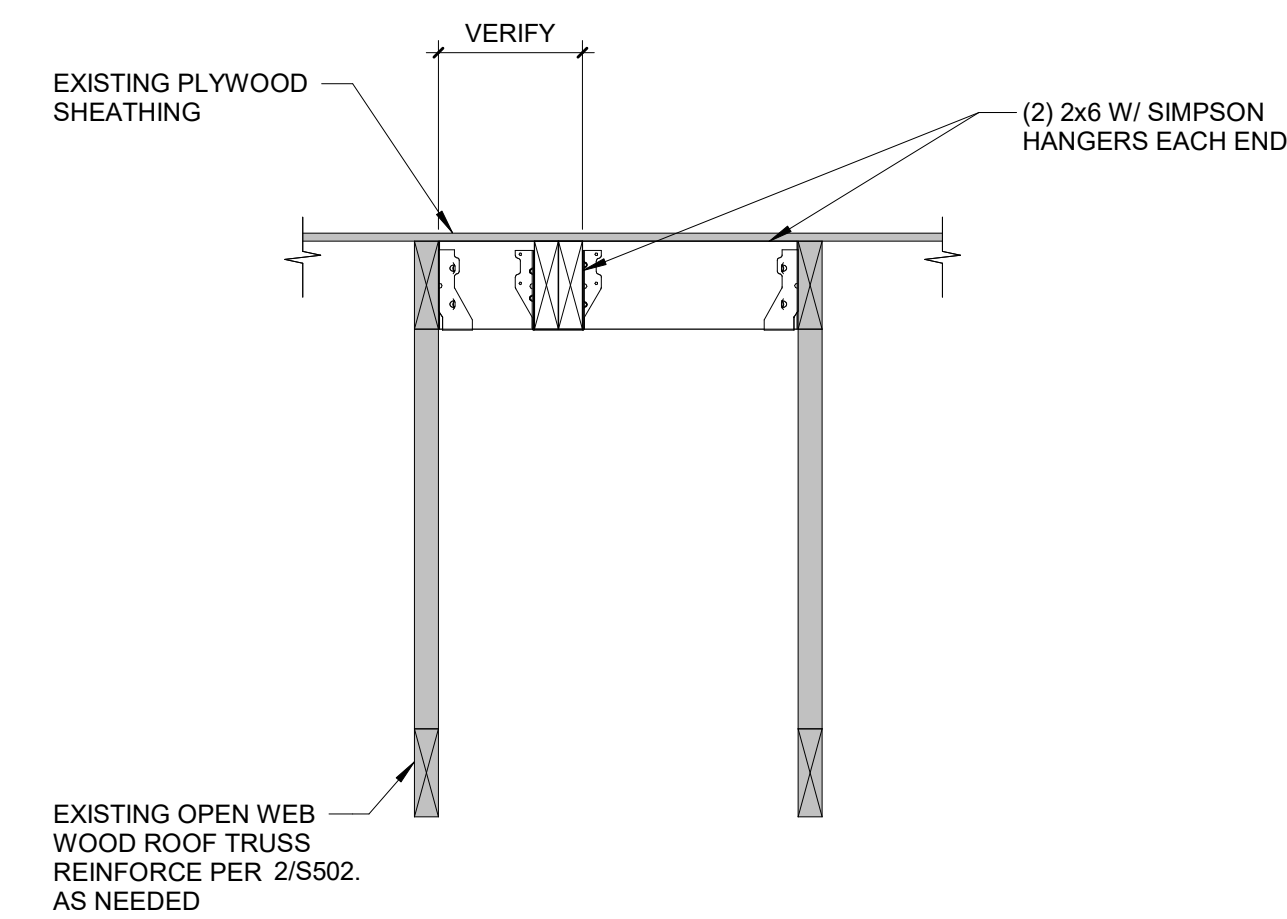
1 CU SUPPORT DETAIL
S502 1" = 1'-0"



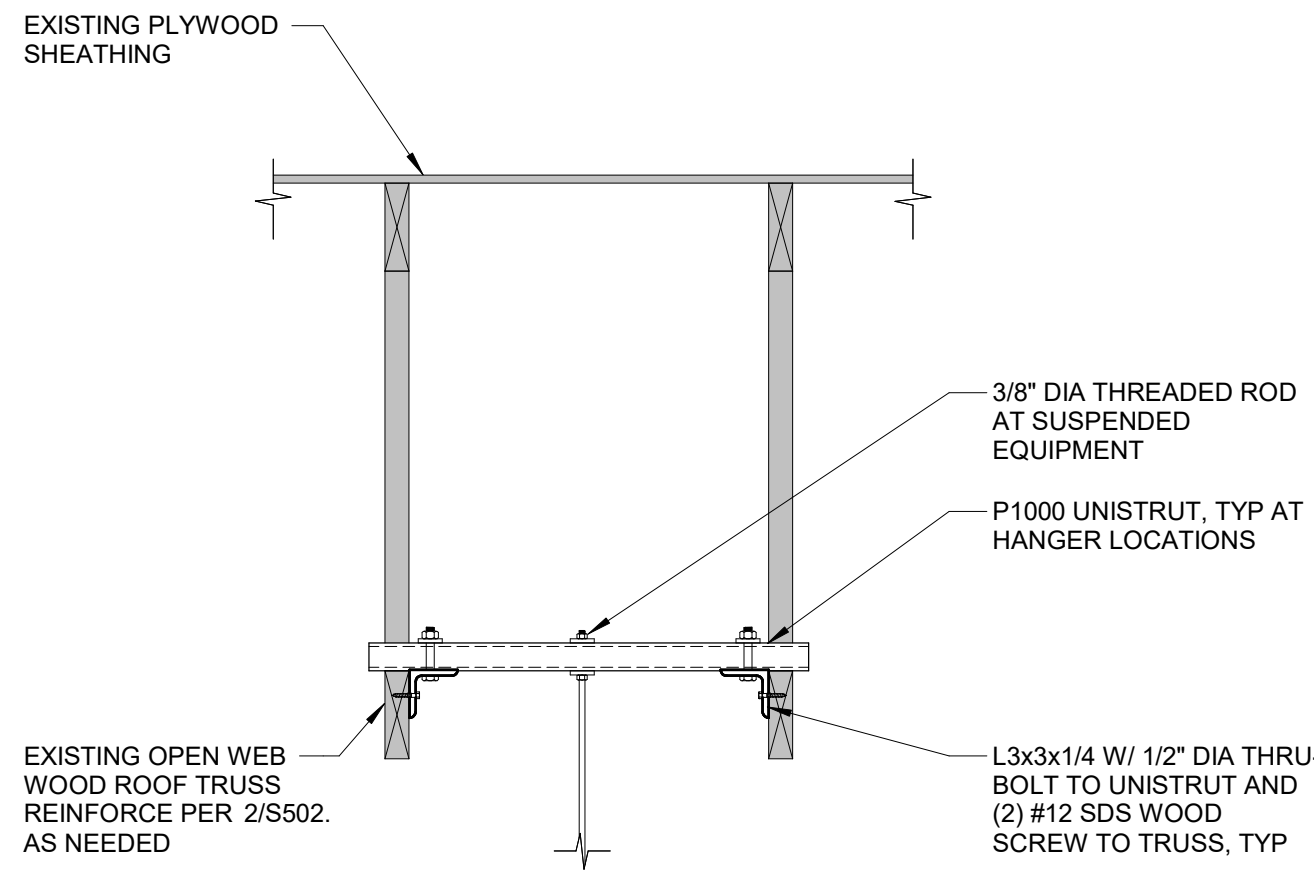
2 TRUSS CHORD REINFORCING DETAIL
S502 1" = 1'-0"



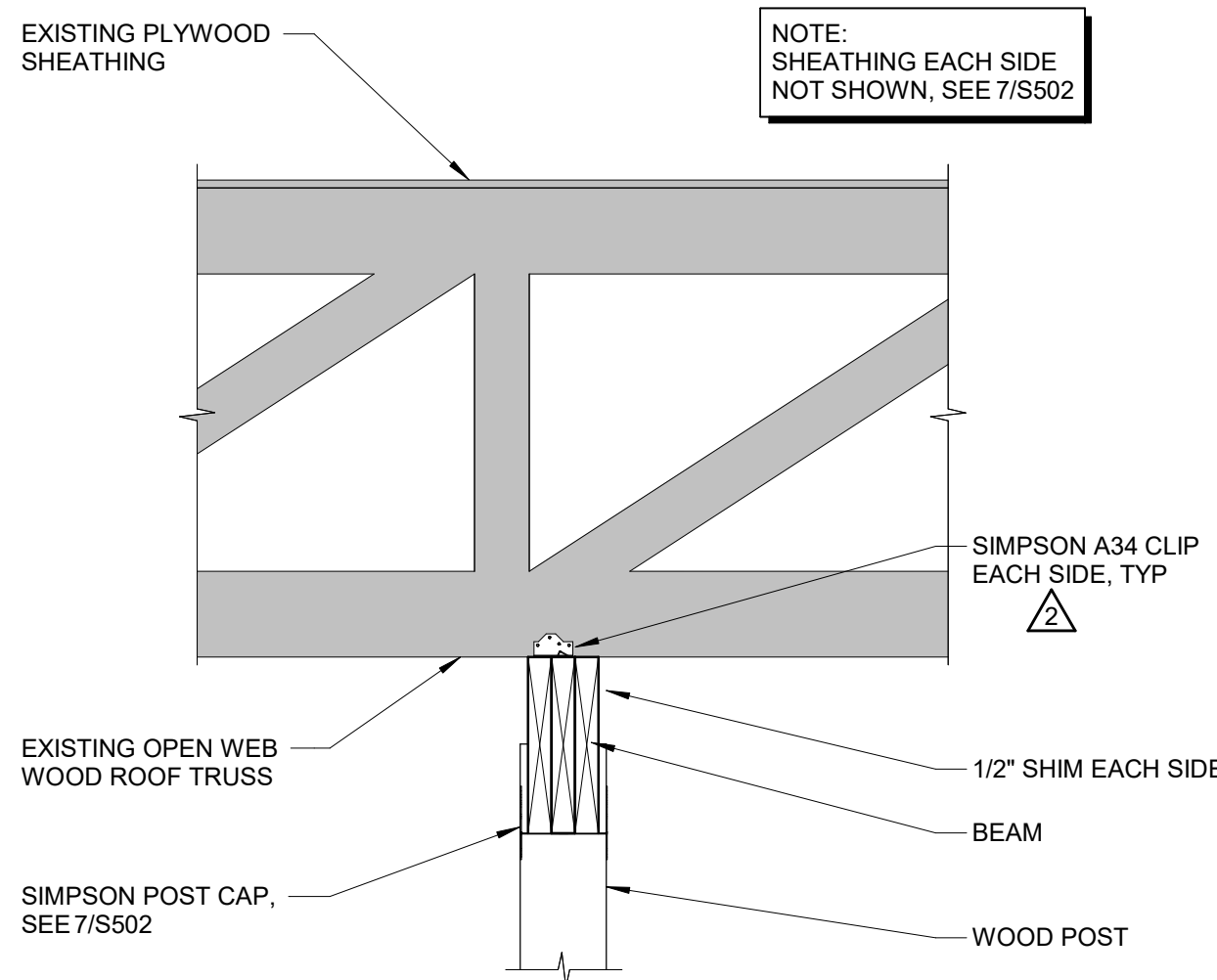
3 ROOF FRAME DETAIL
S502 3/4" = 1'-0"



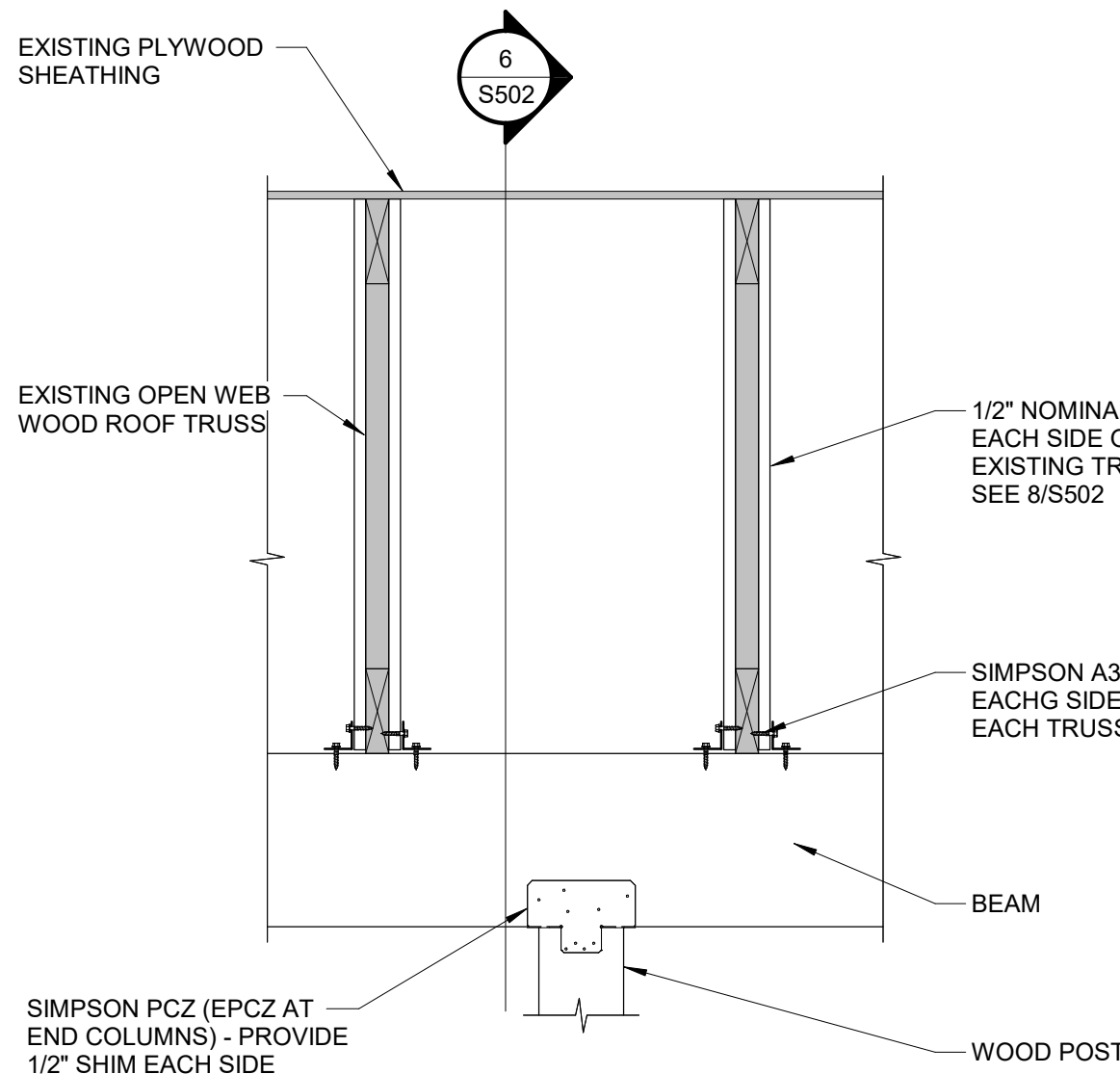
4 ROOF FRAME DETAIL
S502 1" = 1'-0"



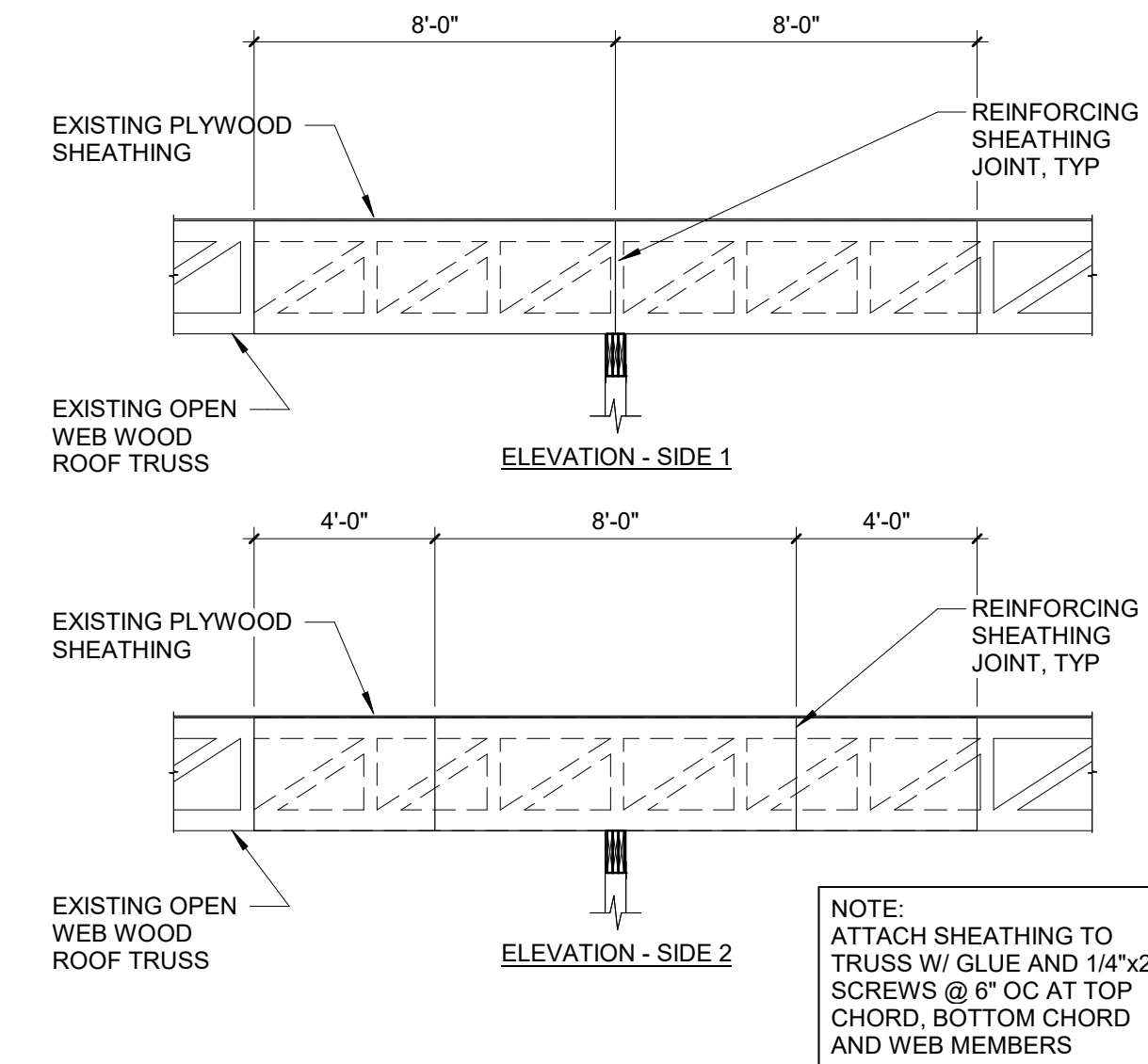
5 SUSPENDED EQUIPMENT DETAIL
S502 1" = 1'-0"



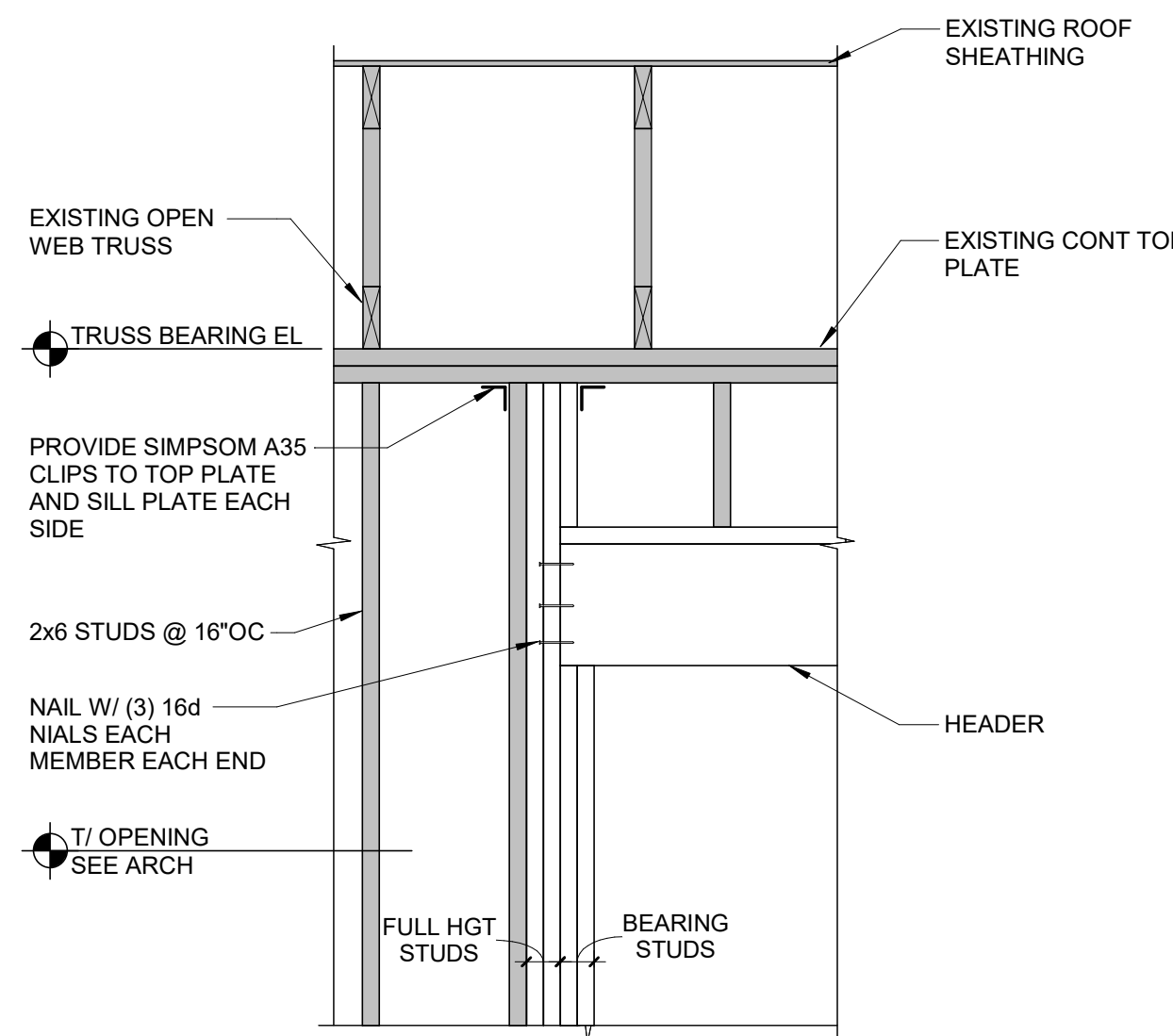
6 TRUSS REINFORCING DETAIL
S502 1" = 1'-0"



7 TRUSS REINFORCING DETAIL
S502 1" = 1'-0"



8 TRUSS REINFORCING ELEVATION
S502 1/4" = 1'-0"



9 HEADER DETAIL
S502 3/4" = 1'-0"

STORE NO.: 5568

"OWATONNA"

135 ALLEN AVE

OWATONNA, MN 55060

SEAL:

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

Signature: *Mark D. Mielke*

Typed or Printed Name: MARK D. MIELKE

Date: 11/26/24 License Number: 41957

PROJECT NO. 240504

DRAWN BY TAH/TJM

CHECKED BY TJM

ISSUE RECORD:

09.16.2024	PERMIT SET
10.24.2024	BID SET
12.02.2024	CONSTRUCTION SET

REVISIONS:

2	10.14.2024	CLIENT COMMENTS
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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	PRI	Pressure
ASHRAE	American Society of Heating, Refrigerating and Air Conditioning Engineers	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	VERT	Vertical
EF	Exhaust Fan	VFD	Variable Frequency Drive
ELEC	Electric, Electrical	VSC	Variable Speed Controller
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	Landlord		
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		

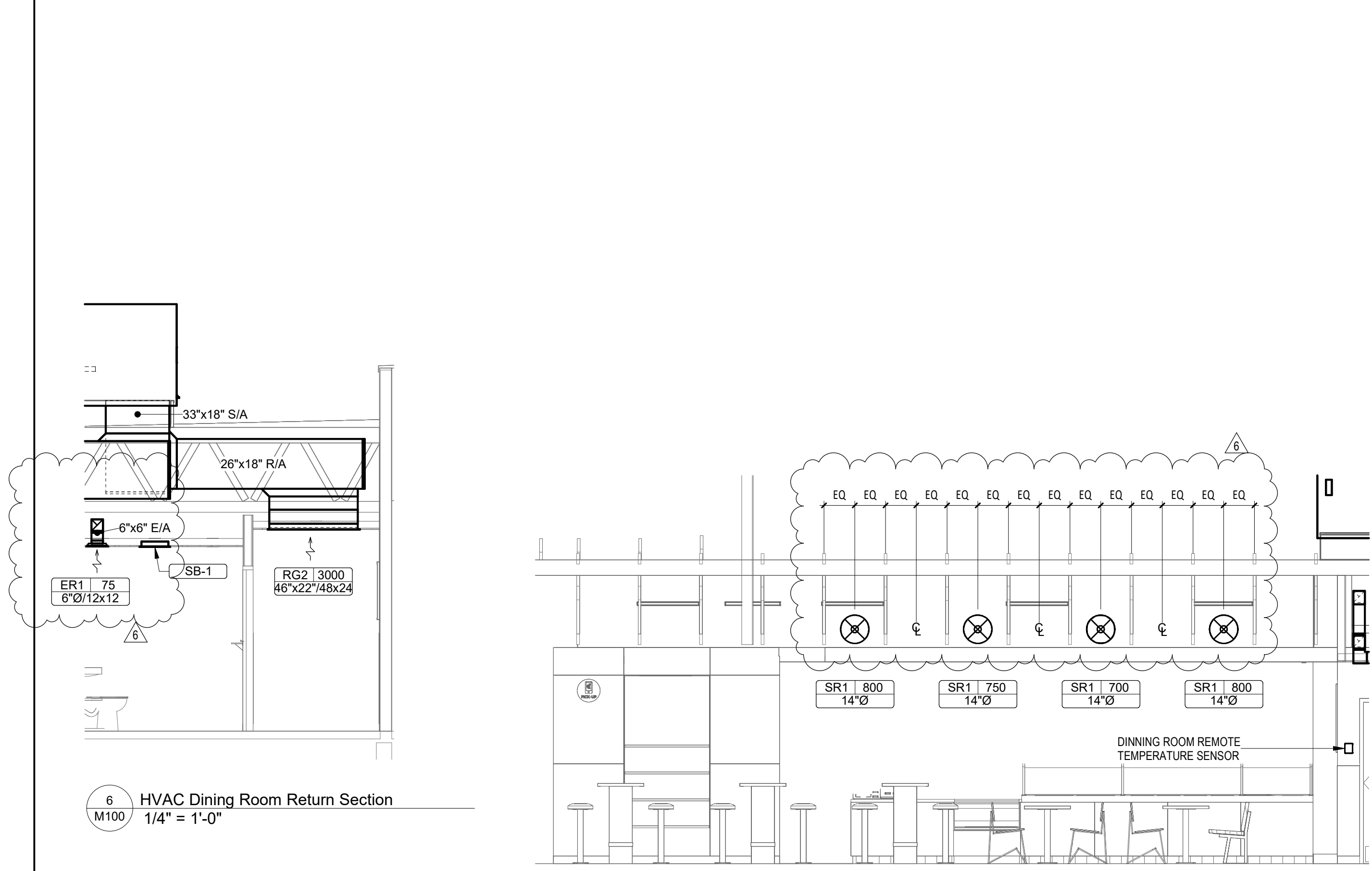
HVAC Symbols	
	Sq. Duct Size (Width x Height)
	Oval Duct Size (Width / Height)
	Round Duct Size (Diameter)
	Existing Duct To Remain
	Duct To Be Demolished
	Supply Air
	Ventilation Air
	Outdoor Air
	Return Air
	Transfer Air
	General Exhaust Air
	Condensate Exhaust Hood
	Kitchen Exhaust Duct
	Flue Gas 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
	Type (See Schedule)
	Airflow
	Neck Size / Module Size
	Catalog Throw Performance
	Throw Pattern
	Max NC Rating
	Airflow
	Module Size
	Airflow
	Neck Size
	Airflow
	Nominal Duct Size
	Mounting Elevation (Centerline)
	Airflow
	Nominal Duct Size
	Mounting Elevation (Centerline)
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
	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. Submittal: 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. Evaporator Fans: Belt or direct driven, forward curved centrifugal.	
3. Exhaust/Relief Fans: Direct drive, forward curved centrifugal or propeller.	
4. Condenser Fans: Direct drive propeller.	
5. Refrigerant Coils: Aluminum fins and copper coil.	
6. Compressors: Serviceable hermetic or fully hermetic, with safety controls, hot gas bypass, and timed off controls.	
7. Heat Exchangers: Gas fired, with gas controls, electronic ignition, high limit cutout, and forced draft 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. Submittal: 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 systems serving spaces in 1 or 2 family dwellings or serving spaces less than 25,000 cu. ft.	
D. Comply with NFPA 96, "Ventilation Control and Fire Protection of Commercial Cooking Operations" for kitchen hood ducts.	
E. Comply with UL 181 and UL 181A for ducts and closures.	
F. Testing, Adjusting, and Balancing Agency Qualifications: AABC certified (to be furnished by Tenant).	
Part 2 Products	
2.1 Ducts	
A. Spiral Duct: Spiral Lock Seam, without insulation, G90 galvanized finish, ASTM A-653/924	
1. Basis of Design Manufacturers: Lindab SPIROsafe, Alternates to the basis of design must be submitted for review.	
2. Fittings: Factory 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 air stream surface coated with a temperature resistant coating. Thickness: 1-1/2 inch, R-value: 8	
1. Adhesive: ASTM C 918, Type I.	
2. Mechanical Fasteners: Galvanized steel pin, length as required to penetrate liner plus a 1/8 inch projection maximum into the air stream.	
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 systems, including mains, 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	
SECTION 15855 - Diffusers, Registers, and Grilles	
Part 1 - General	
1.1 Section Requirements	
A. Submittal: None.	
Part 2 - Products	
2.1 Outlets and Inlets	
A. All air terminal devices:	
1. Refer to Grills, Registers, and Diffusers Schedule for equipment schedule.	
2. Manufacturer: As scheduled (NO SUBSTITUTIONS).	
3. Material: As scheduled.	
4. Finish: As scheduled.	
5. Mounting: As scheduled.	
Part 3 - Execution	
3.1 Installation	
A. Coordinate location and installation with duct installation and installation of other ceiling and wall mounted items.	
B. Locate ceiling diffusers, registers, and grilles, as indicated on the architectural "reflected ceiling plans." Unless otherwise indicated, locate units in center of acoustical ceiling panels.	
End of Section 15855	

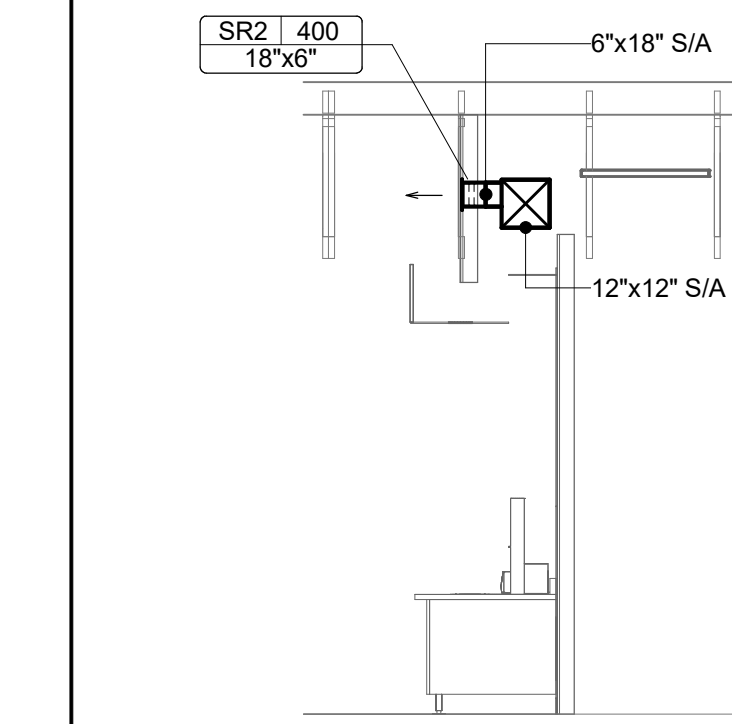
NOTE: All of the General Notes on this sheet are to be applied to all other drawings in this set. The Symbols and Abbreviations shown on this sheet may or may not be used in this set of drawings.

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 radius elbows with an inside radius of at least 1/2 the width of the duct.	
J. Replace air filters with new, clean MERV 8 air filters at 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.	
Responsibility Definitions	
GC	General Contractor
LL	Landlord
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

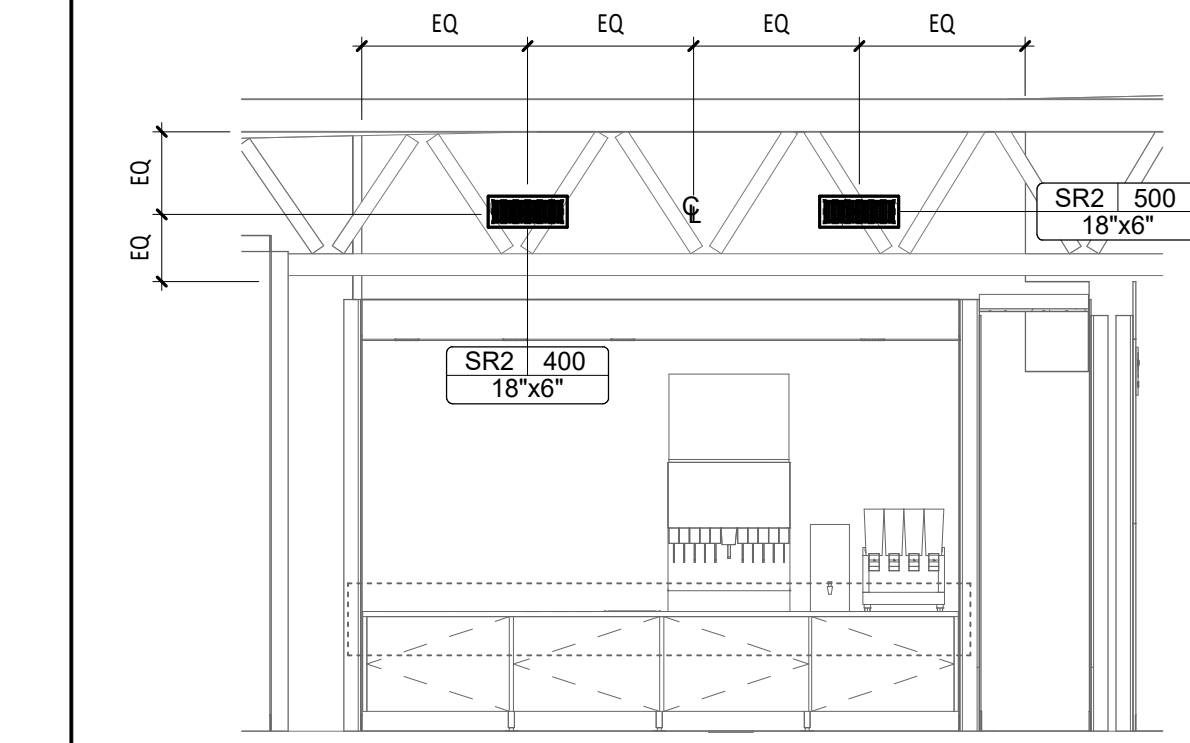


6 HVAC Dining Room Return Section
1/4" = 1'-0"

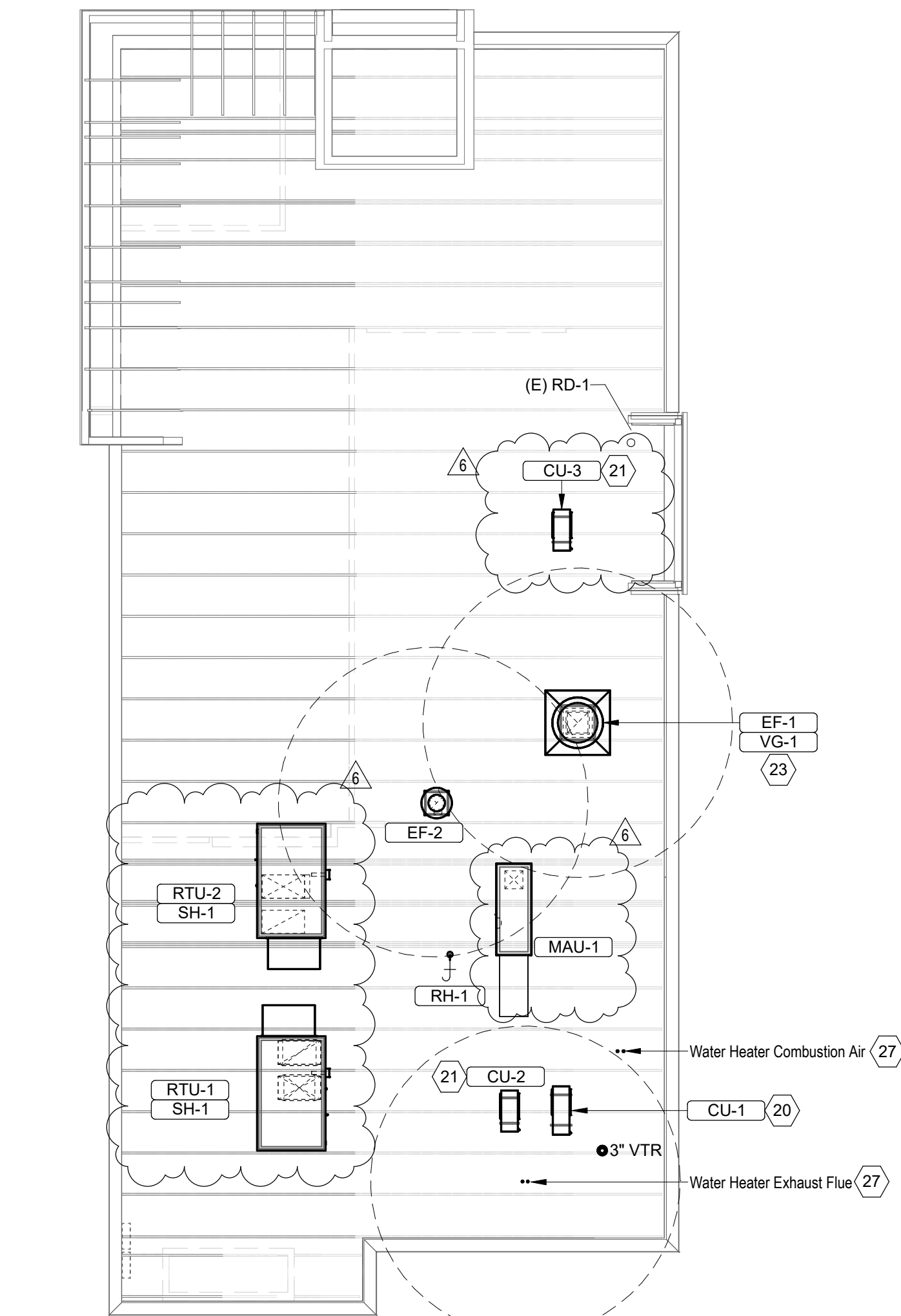
4 HVAC Dining Room Section
1/4" = 1'-0"



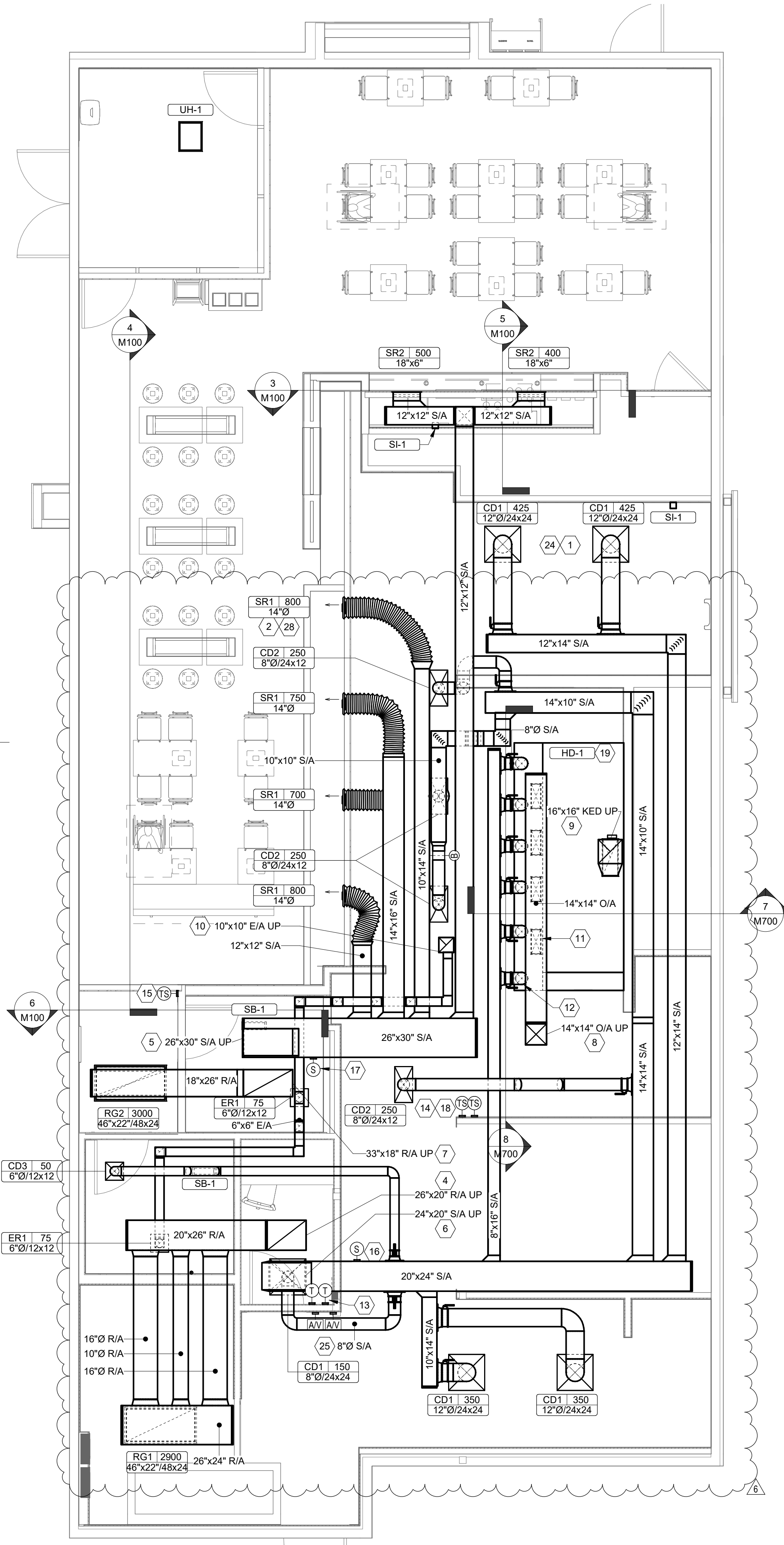
5 HVAC Fountain Area Section
1/4" = 1'-0"



3 HVAC Fountain Area Front 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 radius elbows with an inside radius of 0.5W at elbows in grease duct.
 - Duct up through roof to EF-2.
 - 16/6 duct down to makeup air PSP duct connection. Transition to supply plenum opening size. Typical of 4. 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/E10.
 - Install GridPoint zone sensor module furnished by TEMS for RTU-1 at this location 72" AFF directly to wall (no junction box). Coordinate location with equipment. Provide wiring as shown in detail 8/E10.
 - 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/E10.
 - 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/E10.
 - 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/E10.
 - Install remote temperature sensor for hood HD-1 at this location 72" AFF. Coordinate location with equipment. Provide (2) #18 G. thermistor cable from temperature sensor to hood control panel.
 - Install kitchen hood, HD-1. Support hood per manufacturer's installation instructions and as detailed in the architectural and structural drawings. Install hood according to the requirements of its listing, in compliance with NFPA 96, the building code, and authorities having jurisdiction. Hood shall have an integral duct collar temperature sensor to automatically energize the exhaust and makeup air fans if cooking temperatures are detected. Exhaust duct system to be welded or factory-manufactured water and 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 detailed in the architectural and structural drawings. Install refrigerant line set, thermostatic expansion valve, solenoid valve, temperature control, sight glass, filter drier, pressure control, low ambient controls, and weatherproof housing. Trap and slope refrigerant lines per manufacturer's recommendations. Seal piping penetrations through roof. Installation shall comply with ASHRAE/ANSI Standard 15. Install the refrigerant line set under the roof deck to within 3' of the remote condenser. If refrigerant piping to ice maker is exposed to public view conceal within a stainless-steel shroud as shown in the architectural drawings.
 - Install rooftop equipment per manufacturer's installation instructions and as detailed in the architectural and structural drawings.
 - Install Exhaust fan EF-1 per detail 5/M700 and as detailed in the architectural and structural drawings. Install grease ViroGuard system furnished by Chipotle on exhaust fan, EF-1.
 - Provide supply diffuser connection to supply system per detail 1/M700. Typical.
 - Provide audio/visual remote smoke detector annunciator with remote key operated reset. Wire a unit back to each smoke detector. Mount unit 60" AFF. Typical.
 - Install REME HALO air purifier furnished by TUV in RTU per detail 6/M700. See electrical drawings for power connection information. Install UV warning stickers on face of enclosure per detail and on any RTU access door(s) through which the REME HALO would be visible if opened.
 - Maintain 10' clearance between water heater flue termination and outside air intakes. Maintain 10' clearance between water heater combustion air intake and exhaust fan 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.

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	Width	Height	Fan	Furnished By	Installed By	Basis of Design Manufacturer
VG-1	1	Viroguard Hood Exhaust Fan Rooftop Containment System	16"	16"		EF-1	TDC	GC	enVIROMatic

Sanitizing Equipment Schedule

Identity	Coun	1	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.
CD3	Ceiling Diffuser	12x12	Aluminum	White Enamel	Surface Mount	GC	GC	Nailor	4320A Type S	Provide with integral OBD
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	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.

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.

Condensing Unit Schedule

Identity	Description	Refrigerant		Product Weight	Electrical Voltage	Phase	Furnished By	Installed By	Basis of Design		Specification
		Type	Charge						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-9FZ	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-5FZ	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	Uplblast 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

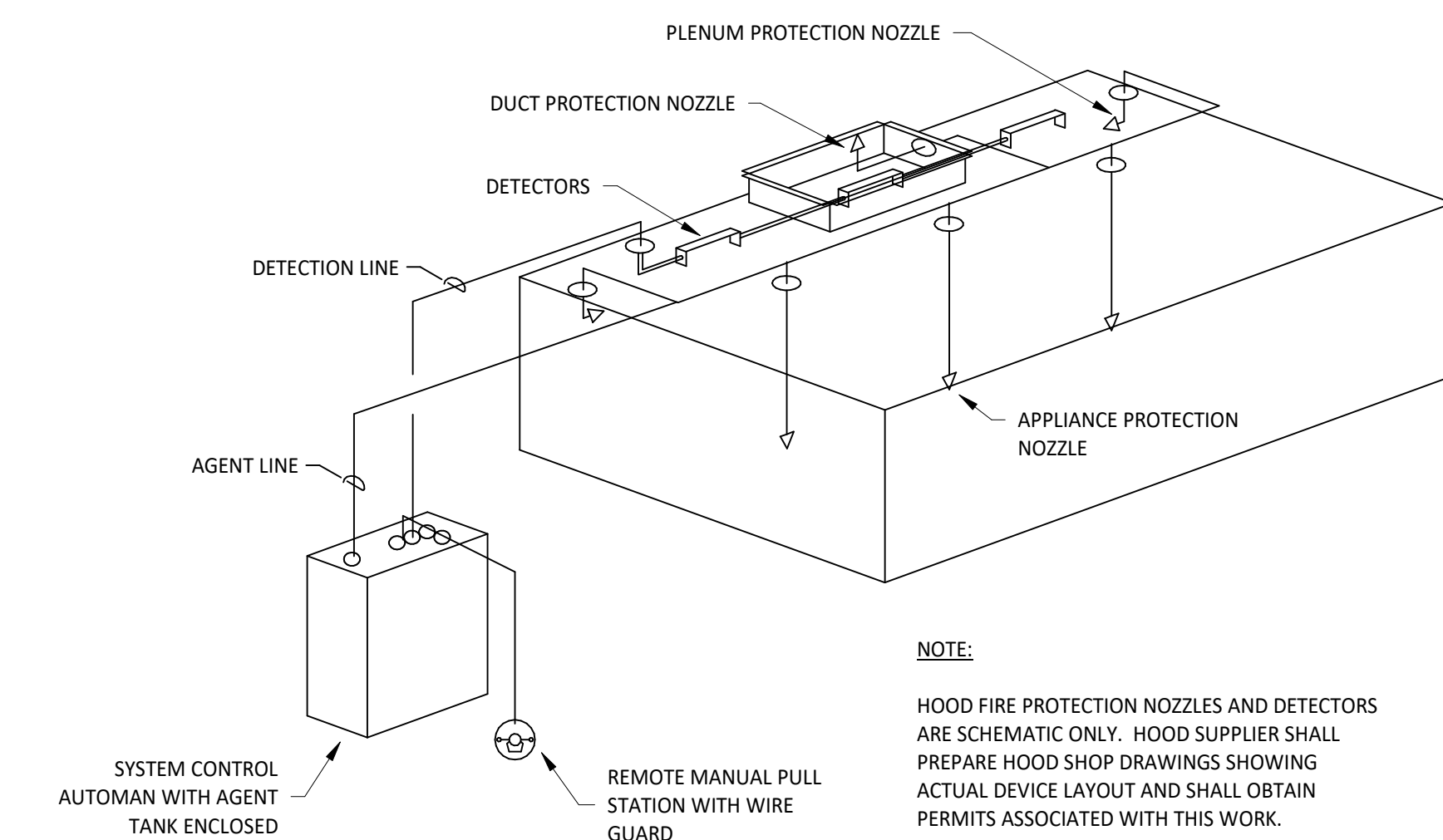
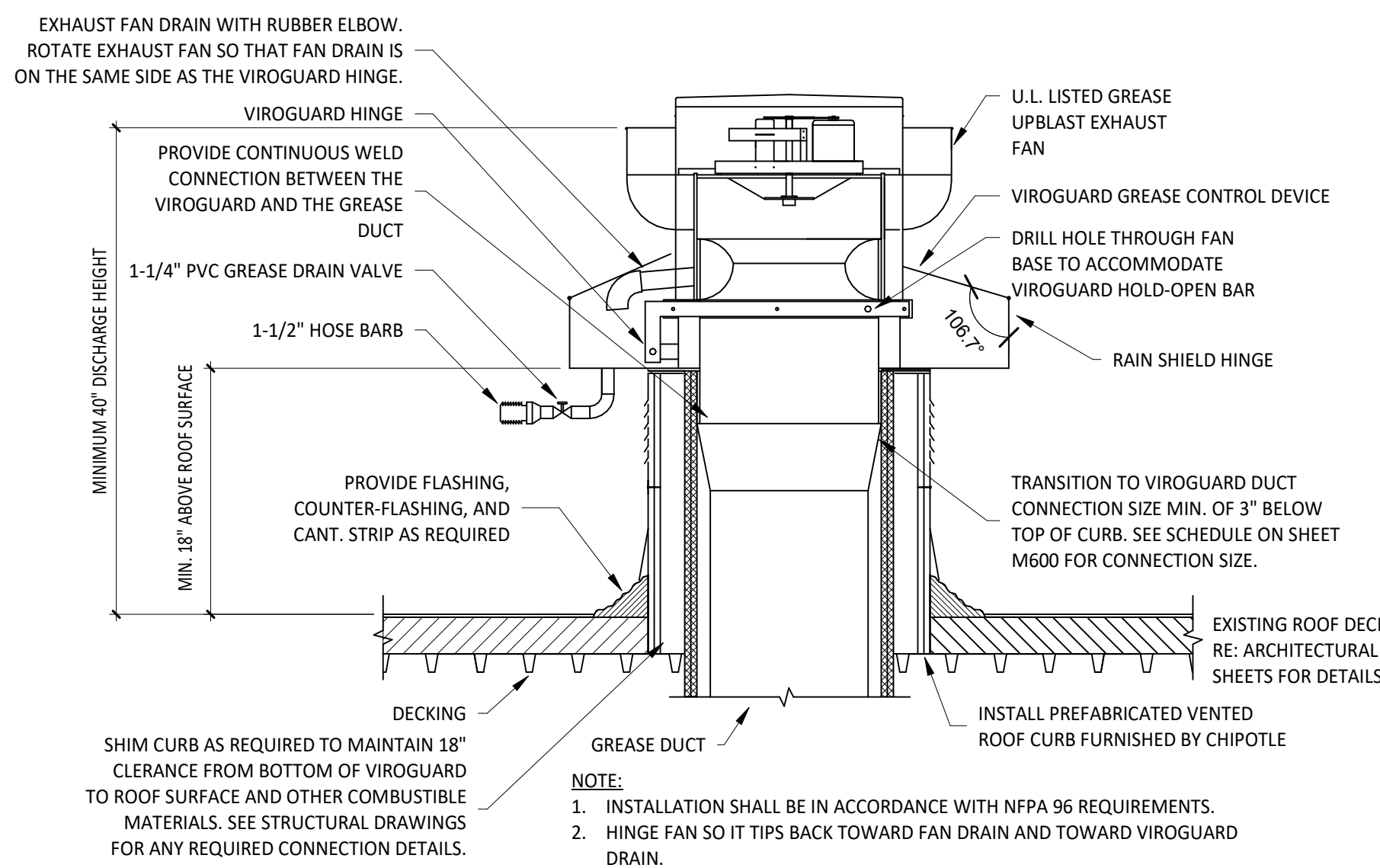
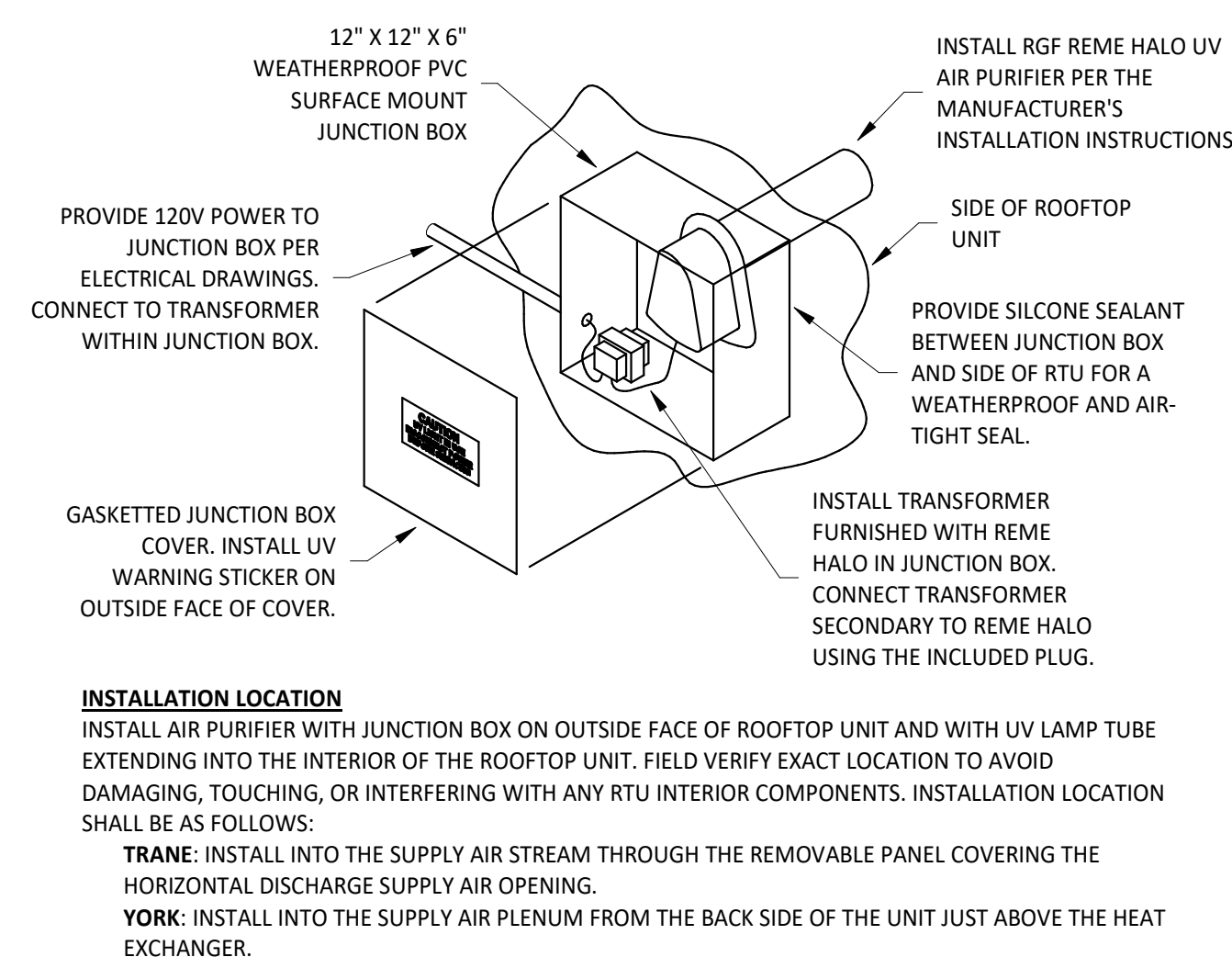
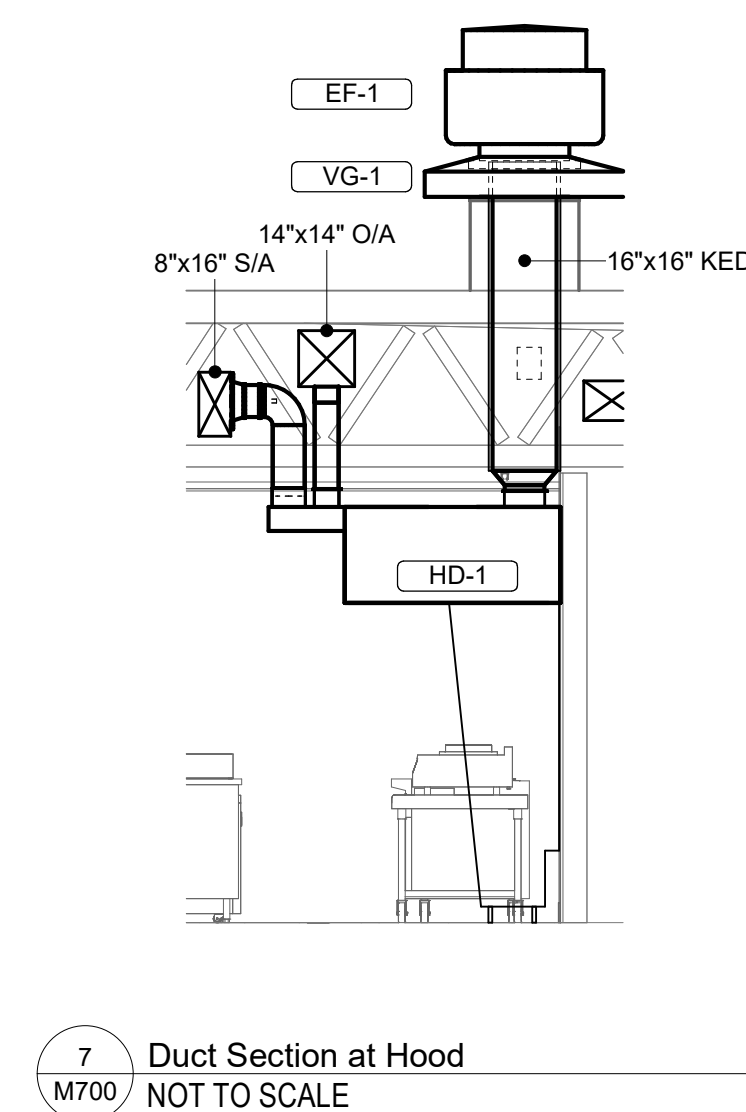
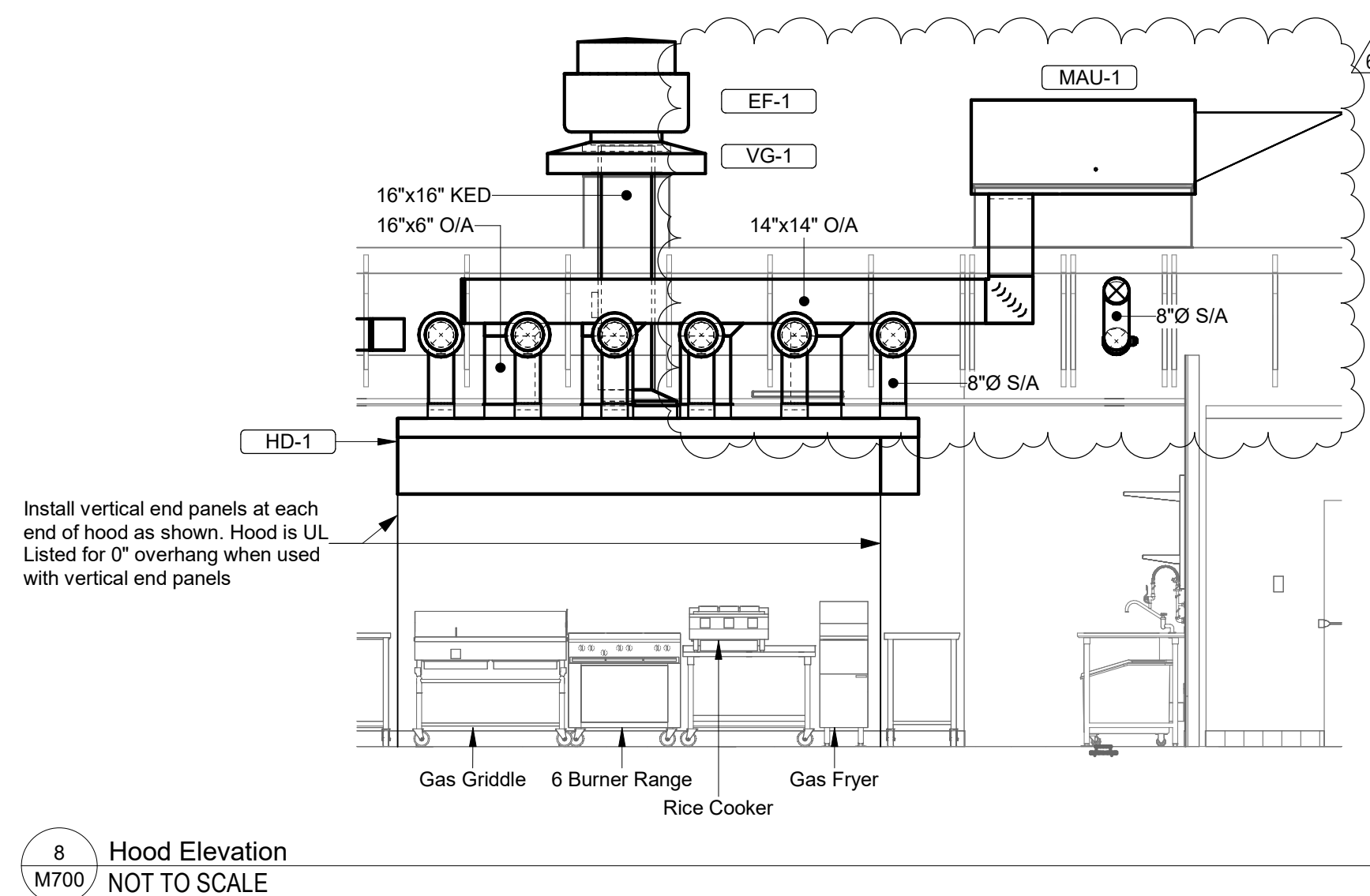
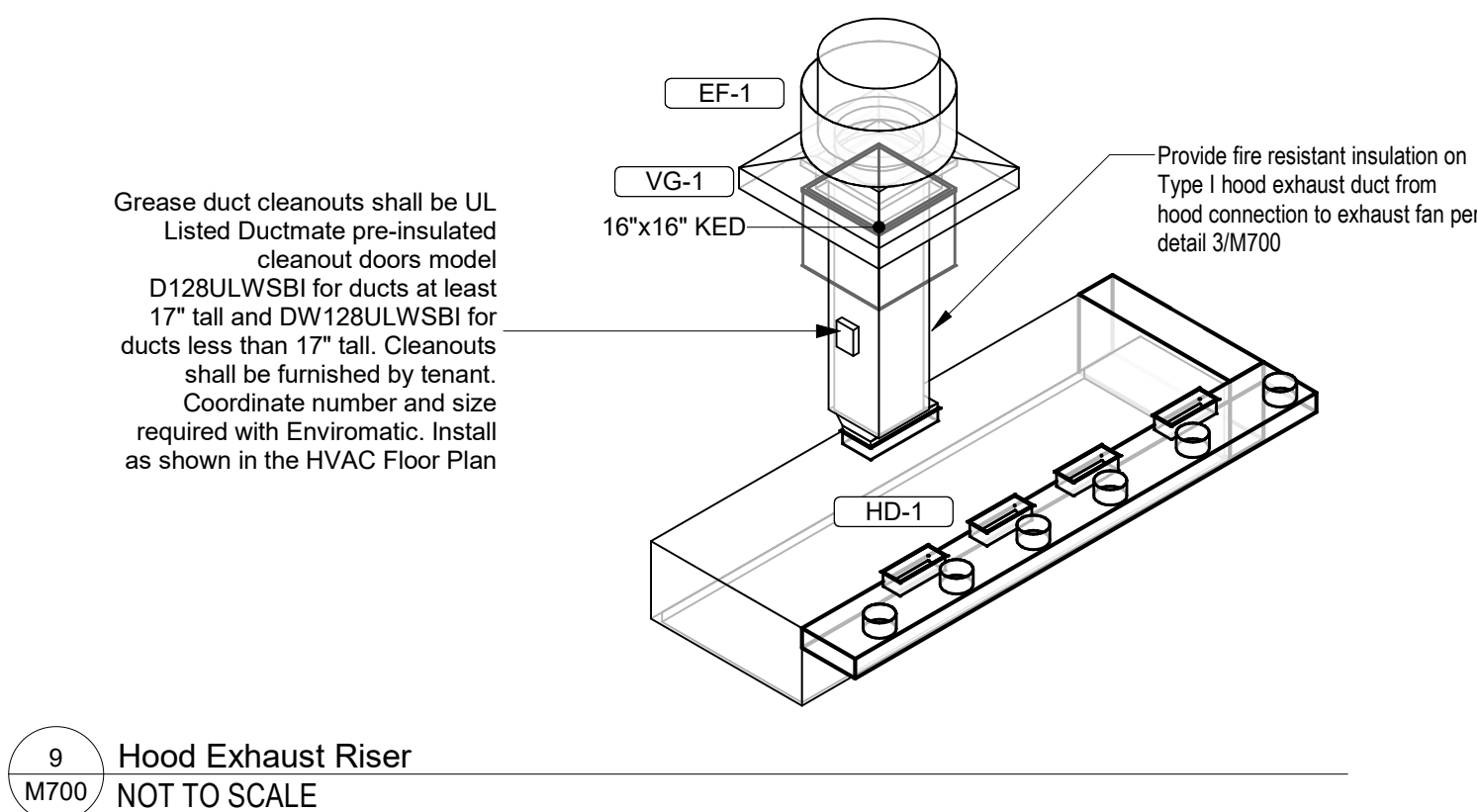
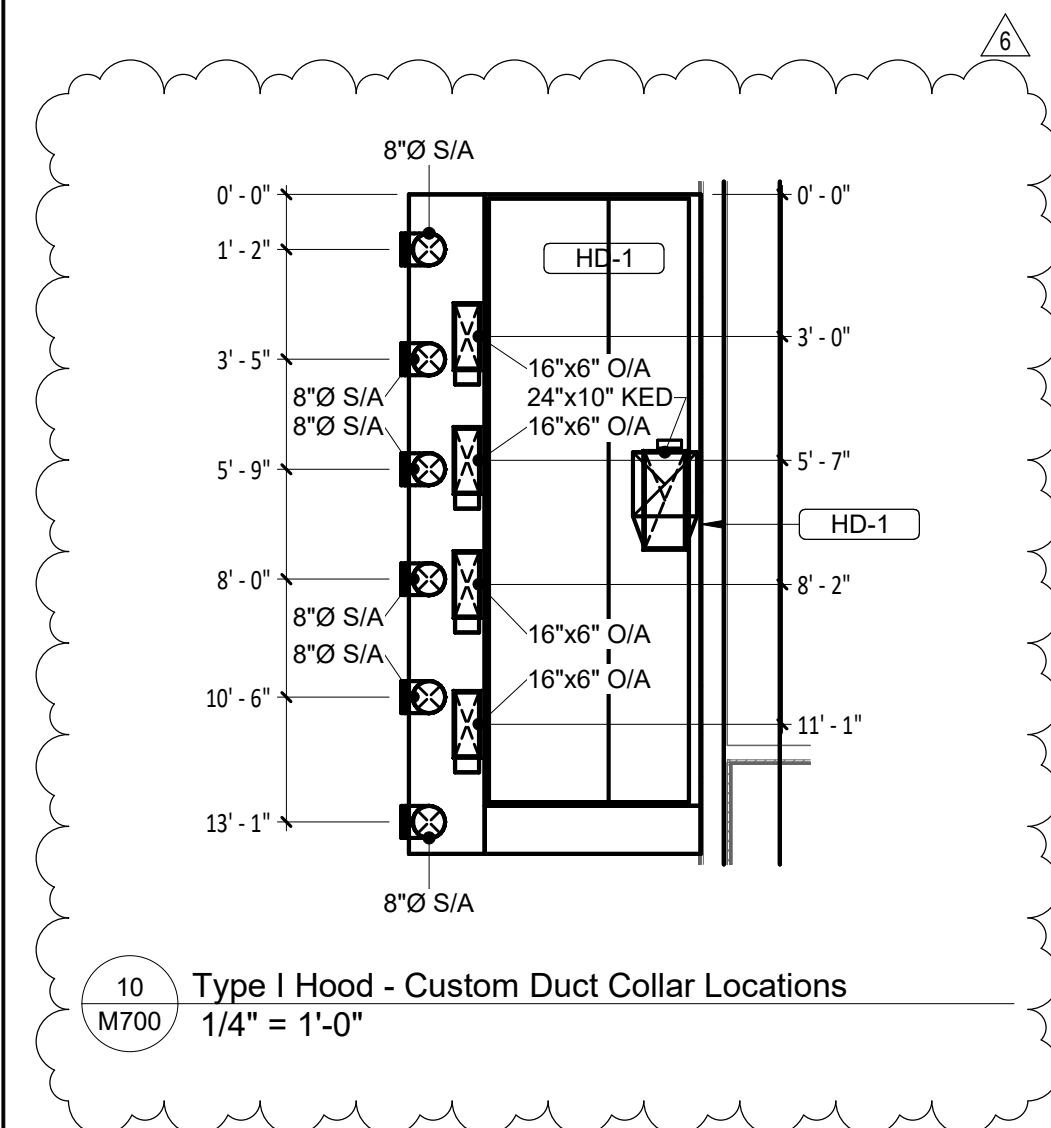
Identity	Description	Airflow	ESP	Heating			Weight	Motor Power	Electrical Voltage	Phase	Furnished By	Installed By	Basis of Design		Specification
				Input Rating	Output Rating	EAT							Manufacturer	Model	
MAU-1	Make-Up Air Unit	1300 CFM	0.50 in-wg	225000 Btu/h	220000 Btu/h	-1 °F	650 lb	1.00 hp	208 V	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

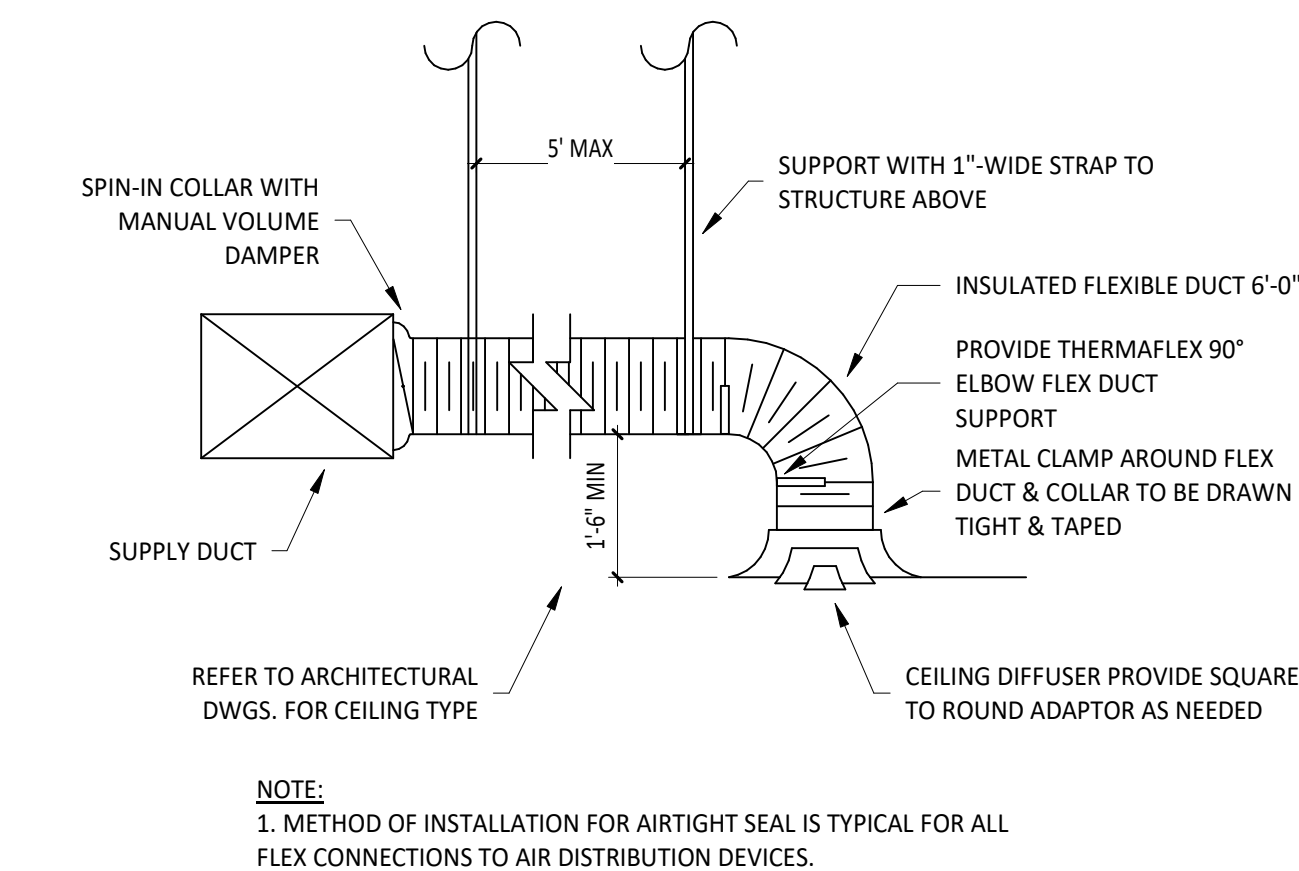
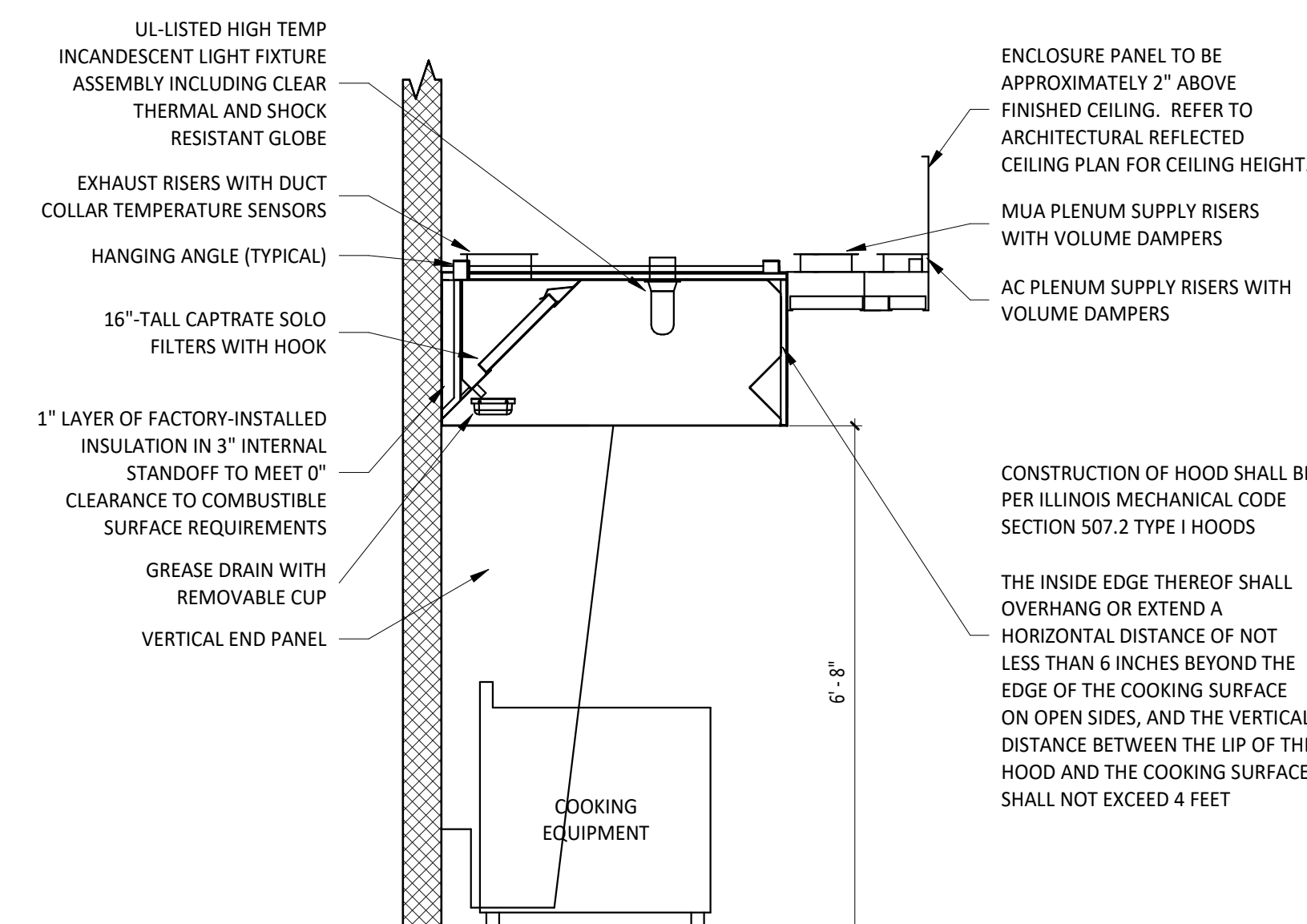
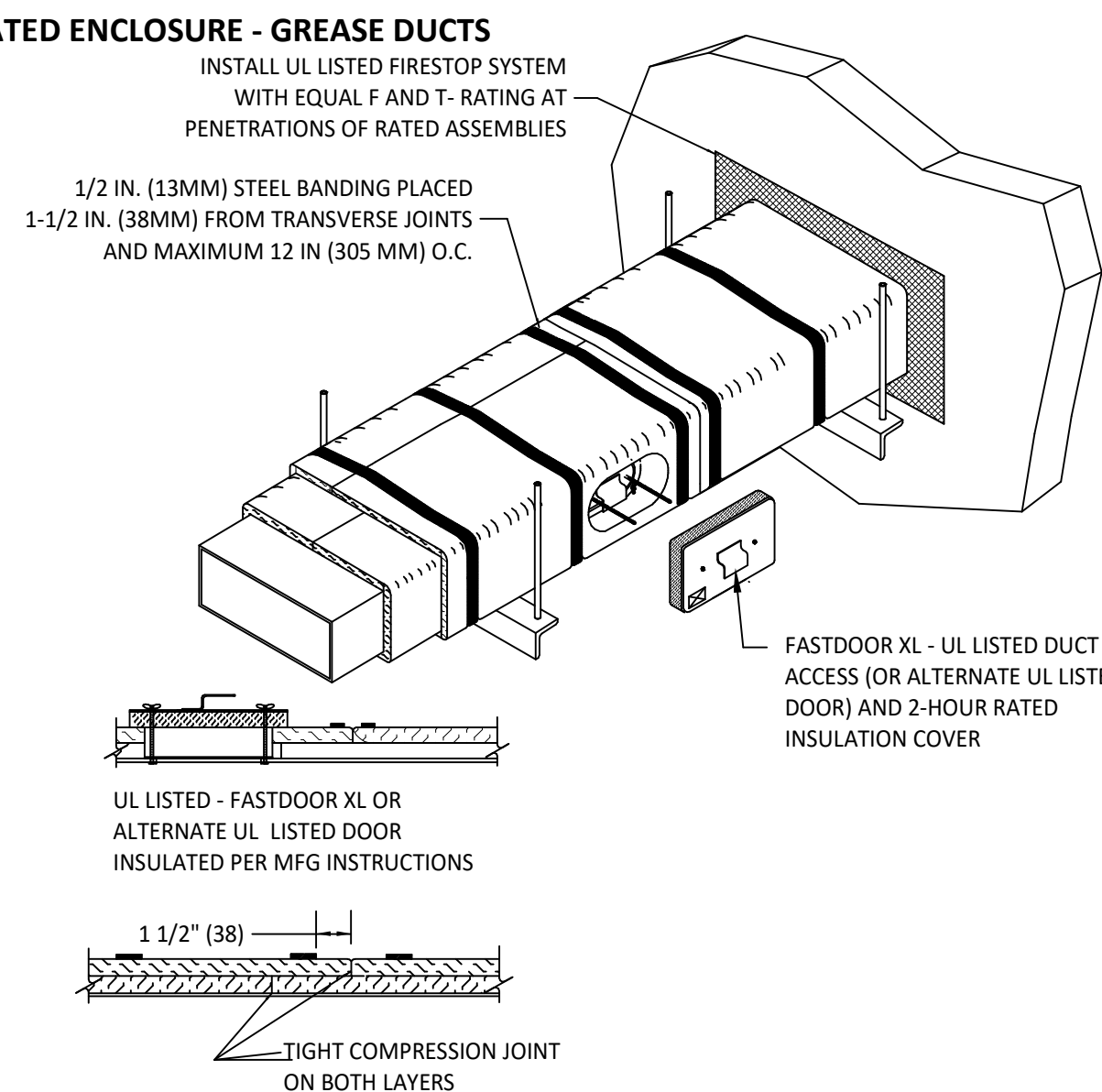
Identity	Description	Max Cooking Temp	Exhaust Plenum			Perforated Supply Plenums						No. of Light Fixtures	Weight	Electrical			Furnished By	Installed By	Basis of Design		Specification		
			Airflow	ESP	Qty	Duct Collars			MAU Plenum					AC Plenum									
						Width	Length	Airflow	Qty	Width	Length			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	4	6"	16"	700 CFM	6	8"	8	1150 lb	120 V	1	HS	GC	CaptiveAire	5424 ND-2-ACPSP-F	Material: 18 GA. Type 430 SS. Furnished with vertical end panels, vaporproof incandescent light fixtures, 16" Tail 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				Heating Capacity			Number of		Refrigerant		Electrical				Furnished By	Installed By	Basis of Design		Specification	
				Total	OA	ESP	Total	Sensible	EAT		Input	Output	EAT	Compressors	Circuits	Type	Weight	MOCP	FLA	Voltage	Phase			Manufacturer	Model		
									DB	WB																	Outdoor EDB
RTU-1	Dining Room Rooftop Unit	8.5 ton	12	3400 CFM	500 CFM	0.80 in-wg	99700 Btu/h	69300 Btu/h	77.2 °F	64.2 °F	95 °F	120000 Btu/h	97200 Btu/h	60 °F	2	2	R-410A	1346 lb	50 A	42 A	208 V	3		Trane	YSJ102A3S0L	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	78.7 °F	65.4 °F	95 °F	200000 Btu/h	162000 Btu/h	52 °F	2	2	R-410A	1346 lb	60 A	48 A	208 V	3	HES	GC	Trane	YSJ120A3S0M	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.



1. THERMAL CERAMICS FIREMASTER FASTWRAP XL IS TESTED TO ASTM E2336 AND LISTED PER HMT-G18 TO PROVIDE ZERO CLEARANCE TO COMBUSTIBLES AND TO PROVIDE A 1- OR 2-HOUR ENCLOSURE, THROUGH PENETRATIONS FIRESTOP SYSTEMS ARE TESTED IN ACCORDANCE WITH ASTM E 814 (UL 1479). ICC CODE EVALUATION PER REPORT UL E14229-01.
2. COMPLIANT TO THE FOLLOWING CODES:
 - NFPA 96
 - INTERNATIONAL MECHANICAL CODES
 - UNIFORM MECHANICAL CODE
 - CALIFORNIA MECHANICAL CODE
3. INSULATION APPLIED IN TWO LAYERS WITH TIGHT COMPRESSION JOINT ON BOTH LAYERS AT ALL JOINTS.
4. MINIMUM 16 GAUGE CARBON STEEL (OR 18 GAGE STAINLESS STEEL) RECTANGULAR OR ROUND GREASE EXHAUST DUCT.
5. INSTALL UL LISTED AND LIQUID TIGHT THERMAL CERAMICS FASTDROK XL ACCESS DOORS, OR ALTERNATE DOOR UL LISTED PER UL1978, AT ALL CHANGES IN DIRECTION AND AT MINIMUM EVERY 10' ON HORIZONTAL RUNS.
6. SUPPORT HANGER SYSTEMS DO NOT NEED TO BE WRAPPED ROUNDTHE HANGER RODS ARE MINIMUM OF 3/8 IN. DIAMETER AND SUPPORTS ARE MINIMUM 2 X 2 X 1/8 IN. STEEL ANGLE OR SMACNA EQUIVALENT SUPPORT SYSTEM.
7. THERMAL CERAMICS DUCT WRAP SHALL BE INSTALLED DIRECTLY ONTO THE DUCT AND APPLIED FROM THE HOOD CONNECTION TO THE CONNECTION TO THE FAN.
8. THERMAL CERAMICS DUCT ENCLOSURE SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND UL LISTINGS.



1

E010

Detail Number on Sheet

1

Sheet Number Where Detail is Placed

1

Keynote Symbol

Continuation Symbol

Point Where New Connects To Existing

Room

5

Room Name / Number

Area Being Demolished

Area Not In Contract

General Plan Symbols

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

PD

Pressure Drop

ALT

Alternate

PH

Phase

AP

Access Panel

PLBG

Plumbing

APPROX

Approximately

PRESS

Pressure

ARCH

Architect, Architectural

PSI

Pounds per Square Inch

ASPE

American Society of Plumbing Engineers

PSIG

Pounds per Square Inch Gauge

AUX

Auxiliary

PWR

Power

BFF

Below Finished Floor

QTY

Quantity

BFG

Below Finished Grade

RD

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

TYP

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

Degrees Fahrenheit

*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 Hour

W

With

FPM

Feet Per Minute

W/O

Without

FS

Floor Sink

FT

Foot/Feet

FW

Domestic Filtered Cold Water

∠

Angle

GAL

Gallon

@

At

GF

Gas-Fired

Δ

Delta

GC

General Contractor

°

Degrees

GCO

Grade Cleanout

"

Inches

GI

Grease Interceptor

#

Number

GPM

Gallons Per Minute

Ø

Diameter

GT

Grease Trap

¢

Center Line

GW

Grease Waste

°

Degree

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

Plumbing Symbols

2"

Nominal Pipe Size

Above Ground Piping

Below Ground Piping

1/8" / 12" Slope

Pipe Slope (When Applicable)

(E)

Existing Pipe To Remain

.....

Pipe To Be Demolished

CW

Domestic Cold-Water

NPW

Non-Potable Water

SW

Soft Cold-Water

FW

Filtered Cold-Water

RO

Reverse Osmosis Water

HW

Domestic Hot-Water

HW 140°

Domestic Hot-Water 140°

HW-R

Hot-Water Recirculation

HW-R 140°

Hot-Water Recirculation 140°

SS

Sanitary Drain

V

Sanitary Vent

VV

Sanitary Wet Vent

CWV

Combination DWV

CD

Condensate Drain

ID

Indirect Drain

GW

Grease Waste

OV

Grease Vent

OW

Oil Waste

OV

Oil Vent

PD

Pump Discharge

SHWR

Solar Water Return

SHWS

Solar Water Supply

SD

Storm Drain

OSD

Storm Overflow

CA

Compressed Air

G

Natural Gas

LP

Liquid Propane

○

Pipe Rise / Drop

○

4" FCO-2 Floor Cleanout (4")

2" BACKWATER

Swing Check

2" CHECK

Check Valve

2" BALANCE

Alternate Check Valve

2" CIRC

Balancing Valve

2" GATE

Circuit Setter

2" GATE

Gate Valve

2" QUICK

Quick Opening Valve

2" S/O

Ball Valve

2" STRAIN

Fluid Strainer

1" GAS-CTRL SOLENOID

Emergency Gas Shutoff

1" PLUG

Plug Valve

1" GAS COCK

Gas Shutoff Cock

1" REG

Gas Regulator

1" TV

Thermostatic Valve

PRIMER

Trap Primer

2" M-CTRL

Elec. Control Valve

TMV-XT/P

Mixing Valve

TMVEM

Emergency Mixer

2" PRV

Pressure Reducing Valve

2" METER

Water Meter

1 1/2" METER

Irrigation Meter

Double Check Valve

Reduced Pressure Zone

Design Pipe Size

Identity Type

2" FD-1P

Floor Drain w/ Trap Primer

2" FNL-1

Hub Drain (Funnel Type)

3" FS-1

Floor Sink

4" RD-1

Primary Roof Drain

4" RD-2

Overflow Roof Drain

1500 SF

Rainfall Surface Area

3" DN-1

Downspout Cover

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. Submittal: 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: Apply insulation for 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 chambers, unions, strainers, check valves, plug valves, and flow regulators.

M. Pipe Insulations Thickness Application Schedule: Insulate piping with the following materials and thicknesses:

1. Domestic Hot and Recirculation 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 NASH 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 swing, 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 of 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 0010 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 Pressure 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.

D. 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 manufacturer.

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, DMV 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, straightway 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 Sump 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 from 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

Plumbing General Notes

A. General notes apply to plumbing sheets.

B. Plumbing work shall be done in accordance with the plumbing code, local health department standards, and the authority having jurisdiction. See architectural sheets for the prevailing codes.

C. Piping layouts on drawings are schematic. Exact location area to be coordinated with the existing conditions and the work of other trades.

D. Conceal piping unless noted otherwise. Water supply pipes shall be installed level.

E. Provide shut-off valves for isolation of fixture groups as shown on drawings in addition to stop valves at each fixture.

F. Provide stop valves at fixtures.

G. Provide trap primers for floor drains as shown on sheet P100.

H. Where the water or gas supply line size shown in the plumbing diagrams differs from the fixture or equipment connection size, provide line size pipe to within 6" of the fixture or equipment before transitioning to the connection size.

I. Piping in exterior walls shall be installed between the insulation and the interior wall finishing material.

J. Insulate the hot and cold water, condensate drainage, and storm piping per the specifications and detail 8/P700.

K. Provide gas shut-off valves at each piece of equipment. Provide accessible dirt leg at the bottom vertical sections of gas pipe and at the connection to each piece of equipment.

L. Plumbing fixtures, accessories, and materials provided for domestic water shall be lead free.

M. Prior to turnover perform a video inspection of the sanitary and grease lines from the main lines within the tenant space to the main sewer to verify that the sanitary waste system is connected, clean, and free of sags, bellies, breaks, and debris. Deliver a report and copy of the video to the tenant's construction manager prior to turnover.

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

O. Prior to connection to any existing sewer system perform a dye test to verify the type of system and the direction of flow. Report any deviation from the construction documents to the tenant's construction manager.

P. Provide sanitary and grease waste pipes at a minimum slope of 1/4" per foot unless noted otherwise.

Q. Install shutoff and isolation valves shown to be above ceiling in accessible locations withing 12" of lay-in ceilings.

R. Existing storm drainage provided under separate package.

Responsibility Definitions

GC	General Contractor
LL	Landlord
COZAS	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
TMS	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

Application	Allowable Material
Domestic, Above Ground	Type L Copper Tube
Domestic, Below Ground	PEX Piping or Type L Copper Tube
DWV, Above Ground	Sch. 40 PVC Plastic DWV Pipe and Fittings
Concealed	
DWV, Above Ground Hand Sink Drains	Brass with Chrome Finish
DWV, Above Ground Prep Sink Ware Washing Sink Drains	Sch. 40 PVC Plastic DWV Pipe and Fittings
DWV, Below Ground or Buried	Sch. 40 PVC Plastic DWV Pipe and Fittings
Natural Gas, Concealed	Sch. 40 Steel Pipe, Malleable Iron Threaded Fittings
Natural Gas, Exposed	Sch. 40 Steel Pipe, Malleable Iron Threaded Fittings, Painted

Plumbing Sheet Index

P010	Plumbing Title Sheet
P100	Plumbing Supply Plans
P110	Plumbing Waste & Vent Plans
P600	Plumbing Schedules
P700	Plumbing Details

MINNESOTA PLUMBING CODE NOTES

- ALL PLUMBING MUST BE INSTALLED IN ACCORDANCE WITH THE 2020 MINNESOTA PLUMBING CODE, CHAPTER 4714.
- ALL PIPE, FITTINGS, TRAPS, FIXTURES, MATERIALS, AND DEVICES SHALL BE LISTED OR LABELED BY A THIRD-PARTY LISTING AGENCY AND COMPLY WITH THE APPLICABLE STANDARDS REFERENCED IN THE CODE.
- TRENCH/DRAINS ASME COMPATIBLE WITH ASME A112.6.3, ASME A112.3.1, OR BE CONSTRUCTED OF WATER-TIGHT MATERIAL AND JOINTS TESTED BY FILLING WITH WATER TO THE FLOOD LEVEL RIM.
- THE INSTALLATION OF REDUCED PRESSURE PRINCIPLE ASSEMBLIES, DOUBLE CHECK VALVE ASSEMBLIES, PRESSURE VACUUM BREAKERS, OR SPILL-PROOF VACUUM BREAKERS IS PERMITTED ONLY WHEN A TESTING AND INSPECTION PROGRAM ACCEPTABLE TO THE ADMINISTRATIVE AUTHORITY IS PROVIDED (SEE SECTION 603.5.23). THE ADMINISTRATIVE AUTHORITY MUST BE NOTIFIED PRIOR TO INSTALLATION AND THE WATER PURVEYOR WITHIN 30 DAYS OF INSTALLATION. DEVICES MUST BE TESTED UPON INITIAL INSTALLATION AND NOT LESS THAN ANNUALLY, AND RECORDS MUST BE KEPT. INSTALLATIONS MUST BE AT LEAST 12 INCHES AND NOT MORE THAN 5 FEET ABOVE THE FINISHED FLOOR OR GROUND LEVEL UNLESS A PERMANENT PLATFORM FOR ACCESS IS PROVIDED. A BACKFLOW PREVENTION FACT SHEET MAY BE VIEWED AT: [HTTP://WWW.DL.MN.GOV/SITES/DEFAULT/FILES/PDF/FS_BACKFLOW.PDF](http://www.dl.mn.gov/sites/default/files/pdf/fs_backflow.pdf)
- A CLEANOUT IS REQUIRED AT EACH KITCHEN SINK OR URINAL REGARDLESS OF ITS LOCATION IN THE BUILDING (SEE SECTION 707.4). A URINAL CLEANOUT MUST BE ABOVE THE FIXTURE CONNECTION FITTING.
- A CLEANOUT SHOULD BE PROVIDED WHERE NEW WASTE PIPING CONNECTS WITH EXISTING FOR TESTING (SEE SECTION 707.4). A CLEANOUT AT ITS UPPER TERMINAL WITH THE FOLLOWING EXCEPTIONS (SEE SECTION 707.4):

A. A CLEANOUT IS NOT REQUIRED IF THE BRANCH IS LESS THAN FIVE FEET UNLESS IT SERVES SINKS OR URINALS.

B. A CLEANOUT IS NOT REQUIRED ON A DRAIN THAT IS 72 DEGREES OR LESS FROM THE VERTICAL UNLESS IT SERVES KITCHEN SINKS OR URINALS.
- ABOVE-GRADE HORIZONTAL PIPE MUST BE SUPPORTED PER TABLE 313.3.

A. CAST IRON: EACH HORIZONTAL BRANCH CONNECTION AND EVERY OTHER JOINT UNLESS OVER 4 FEET, THEN AT EACH JOINT.

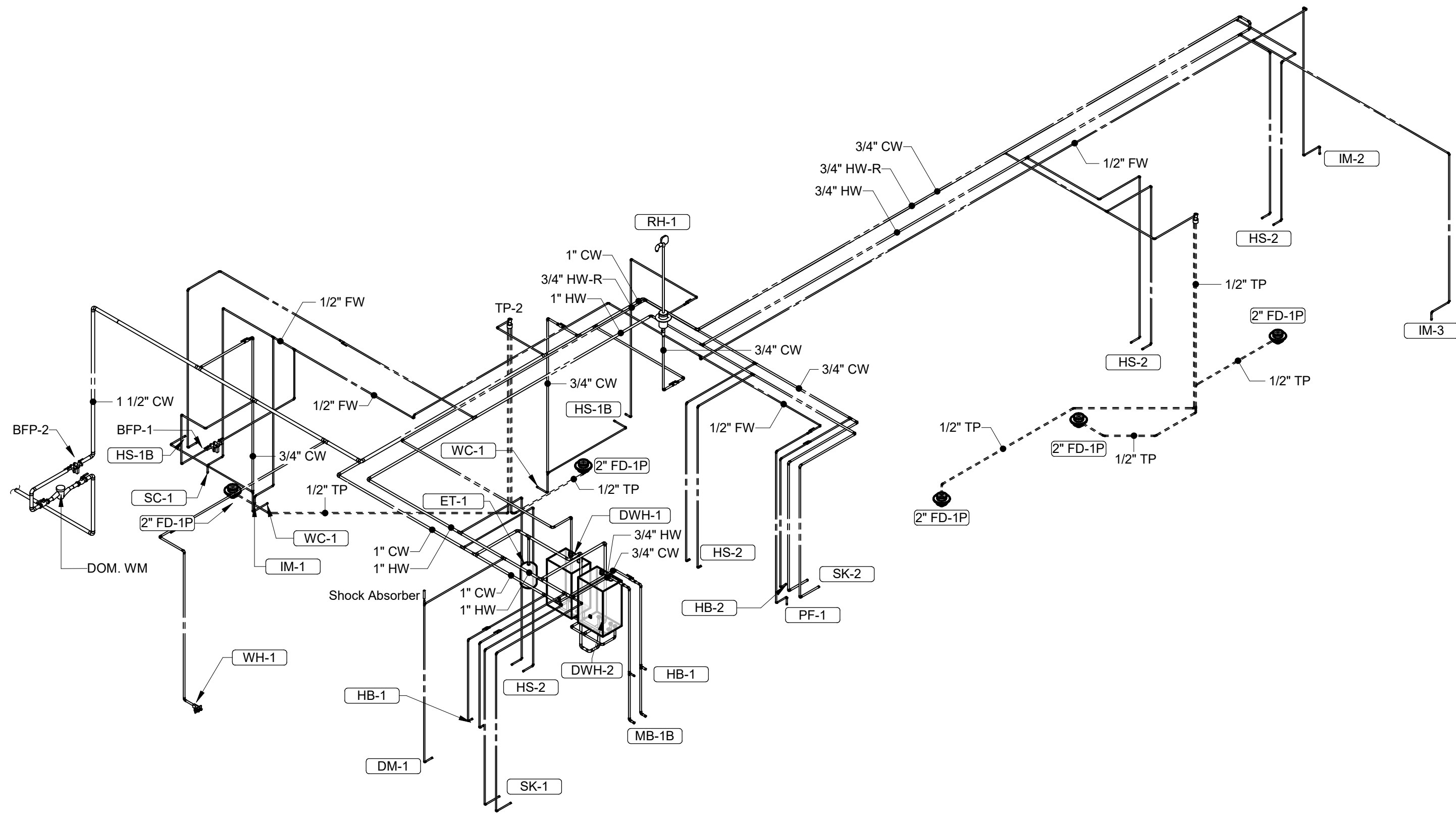
B. COPPER TUBING 1 1/4-INCH OR SMALLER: AT LEAST EVERY 6 FEET.

C. COPPER TUBING 2-INCH OR LARGER: AT LEAST EVERY 10 FEET.
- ASTM D1785 PVC PIPING IS ONLY APPROVED FOR USE AS WATER SERVICE PIPING (SEE TABLE 604.1). PVC PIPE IS NOT APPROVED FOR USE AS WATER DISTRIBUTION PIPING.
- PVC DRAIN, WASTE, AND VENT SYSTEMS SHALL MEET TABLE 701.2 AND SECTION 705.6.

A. JOINTS MUST BE MECHANICAL OR PUSH-ON WITH AN ASTM D3212 ELASTOMERIC SEAL, OR SOLVENT WELDED USING ASTM F666 PURPLE PRIMER AND ASTM D2564 SOLVENT CEMENT. SCHEDULE 80 PIPE MAY BE THREADED.

B. SUPPORT ABOVE-GROUND HORIZONTAL PIPES AT EACH HORIZONTAL BRANCH CONNECTION AND AT LEAST EVERY 4 FEET. ABOVE-GROUND RUNS MUST USE EXPANSION JOINTS EVERY 30 FEET PER TABLE 313.3.1.
- BRASS DRAIN PIPING MUST MEET ASTM B43 AND IS LIMITED TO ABOVE GROUND USE ONLY (SEE TABLE 701.2).
- THE PLUMBING SYSTEM MUST BE TESTED IN ACCORDANCE WITH SECTIONS 609.4 AND 712.0. THE POTABLE WATER SYSTEM MUST BE DISINFECTED PER SECTION 609.9.

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	PD	Pressure Drop
ALT	Alternate	PH	Phase
AP	Access Panel	PLBG	Plumbing
APPROX	Approximately	PRESS	Pressure
ARCH	Architect, Architectural	PSI	Pounds per Square Inch
ASPE	American Society of Plumbing Engineers	PSIG	Pounds per Square Inch Gauge
AUX	Auxiliary	PWR	Power
BFF	Below Finished Floor	QTY	Quantity
BFG	Below Finished Grade	RD	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	TYP	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	Degrees Fahrenheit
*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		



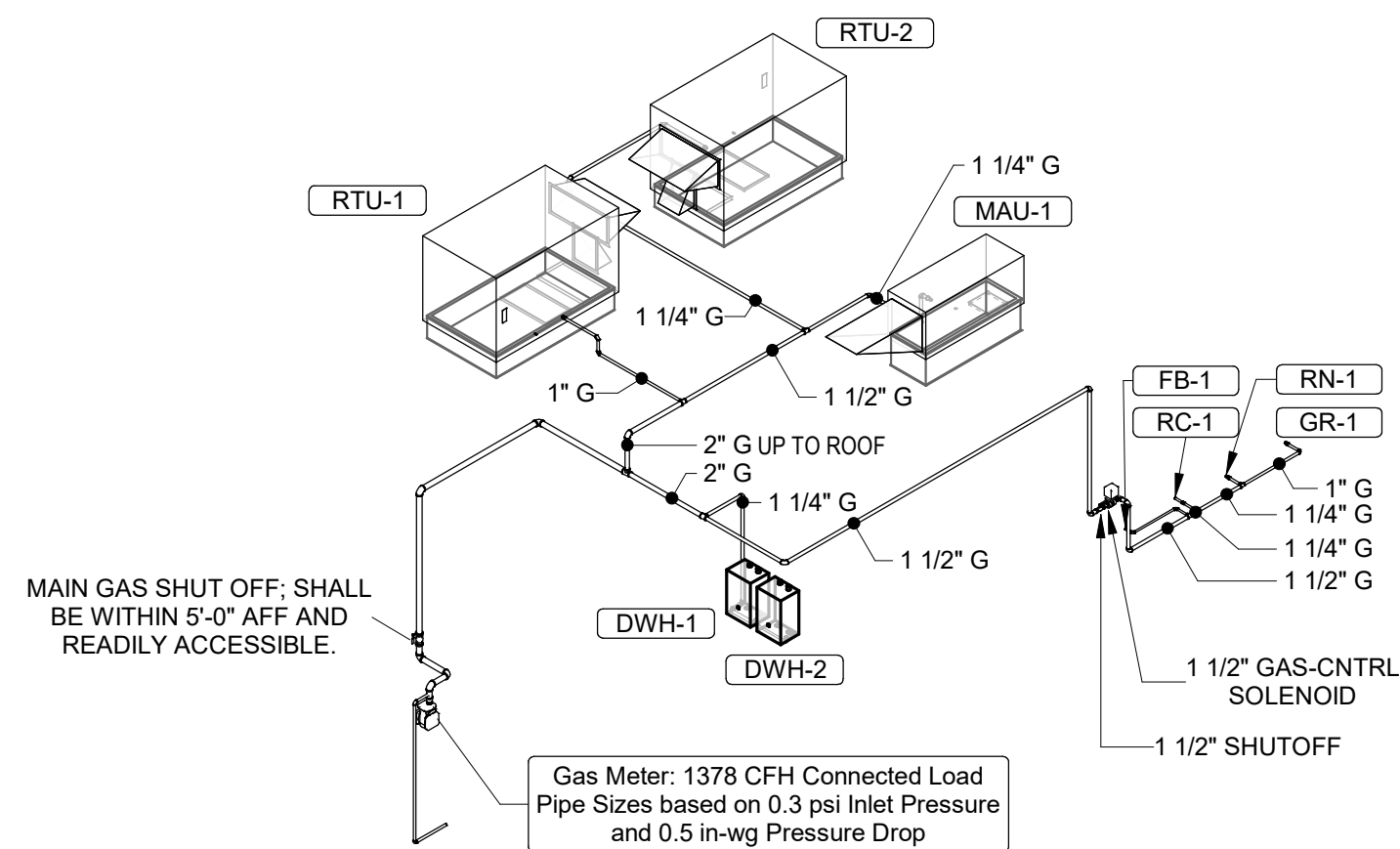
2 Domestic Water Riser Diagram

P100

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

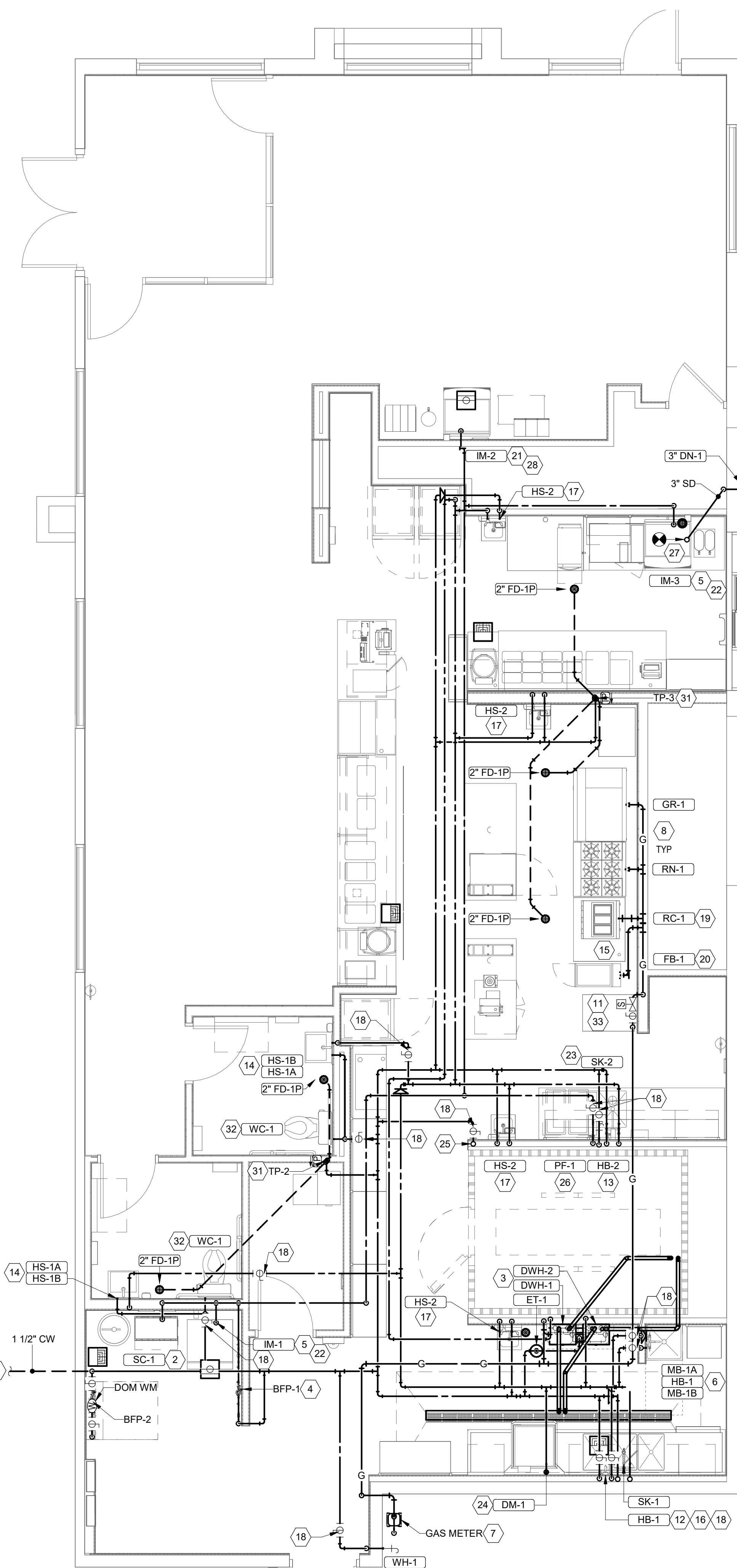
Water Supply Connections										
Type ID	Description	Qty	Supply Size	Rough-In Type	CWFU		HWFU		WSFU	
DM-1	Dish Sanitizing Machine (Pumped Outlet)	1	1/2"	Angle 3/4"	Each	Total	Each	Total	Each	Total
HB-1	Chemical Dispenser Hose Bibb	2	1/2"	MIP	3	6	3	6	4	8
HB-2	Vegetable Wash Hose Bibb	1	1/2"	MIP	2.5	2.5	0	0	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	1	1/2"	Hose 1/2"	0.25	0.25	0	0	0.25	0.25
IM-3	Ice Maker - Soda	1	1/2"	Hose 1/2"	0.25	0.25	0	0	0.25	0.25
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"	(none)	2.5	2.5	0	0	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
WC-1	Water Closet	2	1/2"	Angle 3/8"	5	10	0	0	5	10
WH-1	Freeze Proof Wall Hydrant	2	3/4"	Direct	2.5	5	0	0	2.5	5
Grand total					45.25		22.65		55	

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	Gas Inlet Pipe Size
RC-1	Rice Cooker	33000 Btu/h	33	CFH	90.0 LF	3/4"
RN-1	6 Burner Range	192000 Btu/h	192	CFH	95.0 LF	1"
GR-1	Gas Griddle	110000 Btu/h	110	CFH	95.0 LF	1"
FB-1	Gas Fryer	90000 Btu/h	90	CFH	85.0 LF	3/4"
DWH-1	Water Heater (Tankless)	199900 Btu/h	200	CFH	65.0 LF	1"
DWH-2	Water Heater (Tankless)	199900 Btu/h	200	CFH	65.0 LF	1"
MAU-1	Make-Up Air Unit	225000 Btu/h	225	CFH	70.0 LF	1 1/4"
RTU-1	Dining Room Rooftop Unit	120000 Btu/h	123	CFH	50.0 LF	1"
RTU-2	Dining Room Rooftop Unit	200000 Btu/h	205	CFH	65.0 LF	1 1/4"
Grand total: 9		1369800 Btu/h	1378			



3 Gas Riser Diagram

P100



1 Plumbing Supply Plan

1/4" = 1'-0"

Plumbing Supply Keynotes

- Provide insulated 1-1/2" dedicated domestic copper water supply line into building with backflow preventor. See civil utility plan for continuation.
- Provide 1/2" filtered water to the bag-in-box soda carbonator at 102" AFF. Soda carbonator shall have an integral ASSE 1022-rated carbonated beverage backflow prevention device.
- Provide water heaters DWH-1 and DWH-2 per detail 1/P700.
- Provide water filters mounted to wall per detail 11/P700. Provide 1/2" supply pipes from filter to ice maker, pot filler, 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.
- Provide a minimum of 1600 MBH natural gas service with a delivery pressure of 7" water column to new meter. Contractor shall coordinate with Owatonna Public Utilities (507-451-2480) for upgrade of existing meter to accommodate required load.
- 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. See HVAC plans.
- 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 1/2" hot water to the dish machine at 66" AFF above left side of the dish machine, making final connection using hose furnished with dish machine. Provide water hammer arrestor on hot water line.
- 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.
- Roof drain to remain. Disconnect interior and exterior piping. Provide new piping as indicated. Coordinate downspout nozzle location with drive-through window.
- 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. See HVAC plans.
- Not used.
- Not used.
- 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).
- Replace stock water closet handle with universal cable-operated handle (Flushmate AP300503 or AP300503 - field verify compatibility with Flushmate system in the water closet).
- Install kitchen appliance shutoff valve shall be installed a minimum of 5'-0" aff and shall be readily accessible.

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Project No. 81-0666.03

CLIENT:



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PROJECT INFORMATION:

STORE NO.: 5558

"Chipotle Owatonna"
135 Allan Ave SW
Owatonna, MN 55060

SEAL:

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PROFESSIONAL ENGINEER UNDER THE LAWS
OF THE STATE OF MINNESOTA

PRINT NAME: LUCIA A. OUGMURER
SIGNATURE:
DATE: 01/03/2025 LIC NO: 47183

PROJECT NO. 2024-0266

DRAWN BY LCP

CHECKED BY LAO

ISSUE RECORD:

09/17/2024	PERMIT SET
10/24/2024	BID SET
12/02/2024	CONSTRUCTION SET

REVISIONS:

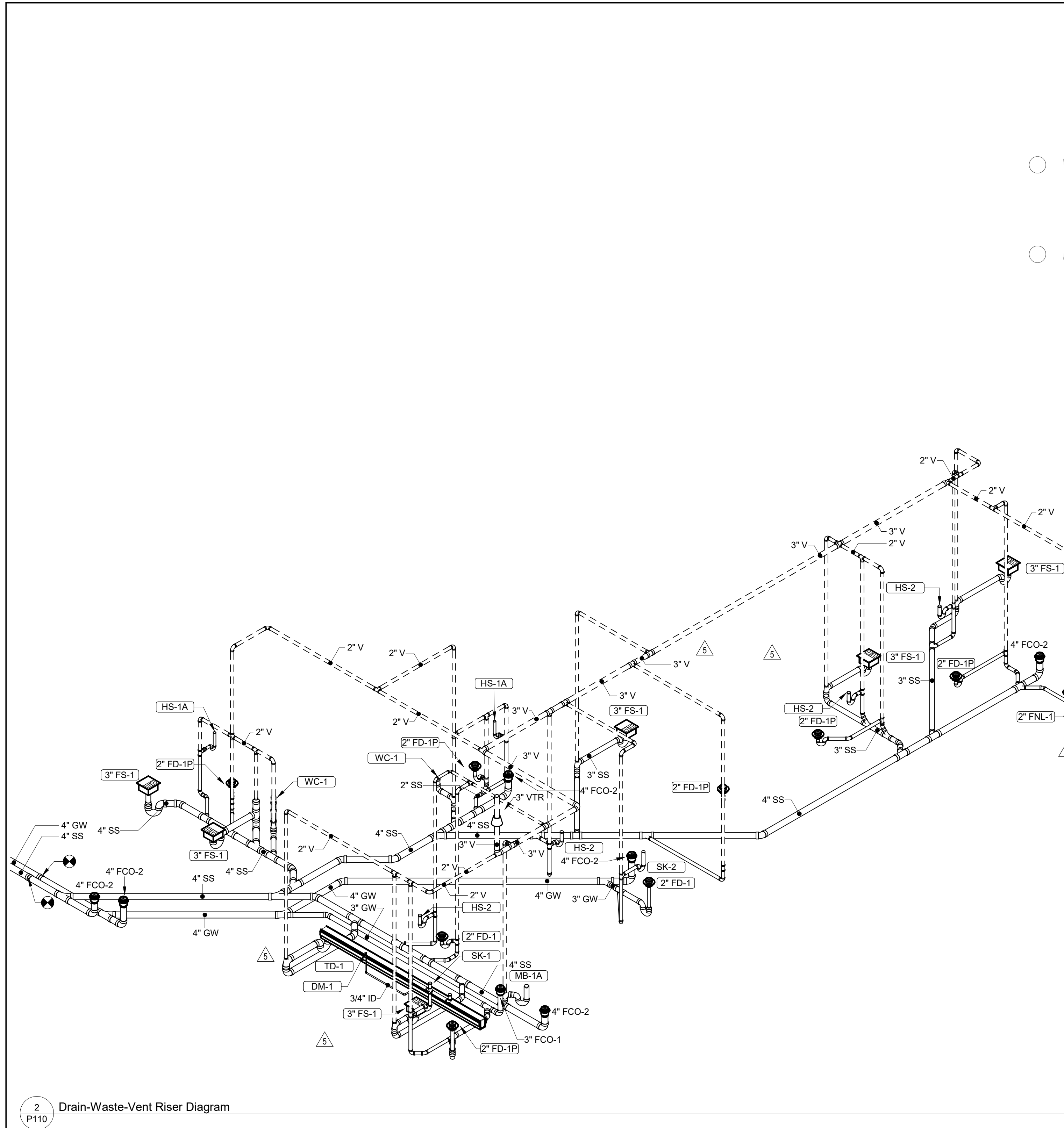
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TITLE:

Plumbing Supply
Plans

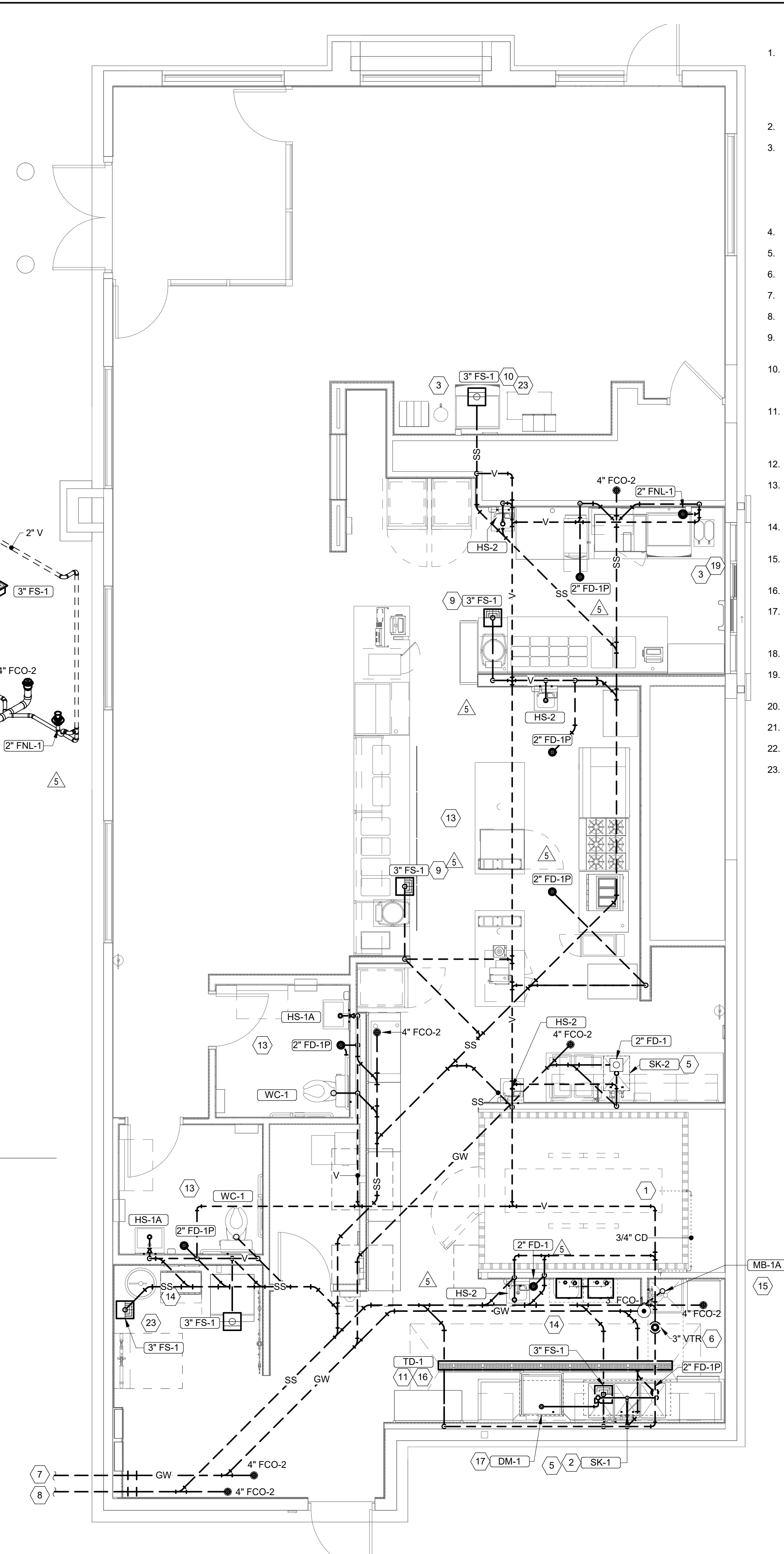
SHEET NUMBER:

P100



2 P110 Drain-Waste-Vent Riser Diagram

Drainage Fixture Units					
Type ID	Qty	Description	Drain Pipe Size	DFU Each	Total
DM-1	1	Dish Sanitizing Machine (Pumped Outlet)	1"	2	2
FD-1	7	Floor Drain	2"	2	14
FD-1	1	Floor Drain	2"	2	0
FNL-1	1	Funnel Drain	2"	2	2
FS-1	6	Floor Sink	3"	4	24
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	1	Ice Maker - Soda	3/4"	0.5	0.5
IM-3	1	Ice Maker - Soda	3/4"	0.5	0.5
MB-1A	1	Mop Basin	3"	2	2
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
TD-1	1	Trench Drain	4"	6	6
WC-1	2	Water Closet	3"	4	8
Grand total					76



1 P110 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 mop sink as shown. Slope condensate drain a minimum 1" per foot. Hold exposed condensate drain in walk-in cooler as high as possible. Conceal drain piping within framed walls as shown. Discharge through an air gap. Make final connection to evaporator inside walk-in cooler using a union. Condensate drain should penetrate wall at point of discharge at 8" AFF.
- 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 tell-tale floor drain downstream of direct sink connection.
- Provide a vent through the roof per detail 3/P700.
- Grease waste to grease interceptor on site. See civil for continuation.
- Sanitary sewer is stub, see civil for continuation.
- 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.
- Not Used
- 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 floor 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.
- Not used.
- 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.

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PRINT NAME: LUCIA A. OUGMURJER

SIGNATURE: *[Signature]*

DATE: 01/03/2025 LIC. NO. 47183

PROJECT NO. 2024-0266

DRAWN BY RLD

CHECKED BY LAO

ISSUE RECORD:

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10/24/2024 BID SET

12/02/2024 CONSTRUCTION SET

REVISIONS:

1 10/14/2024 CLIENT COMMENTS

5 12/09/2024 PLAN CHECK COMMENTS

TITLE:

Plumbing Waste &
Vent Plans

SHEET NUMBER:

P110



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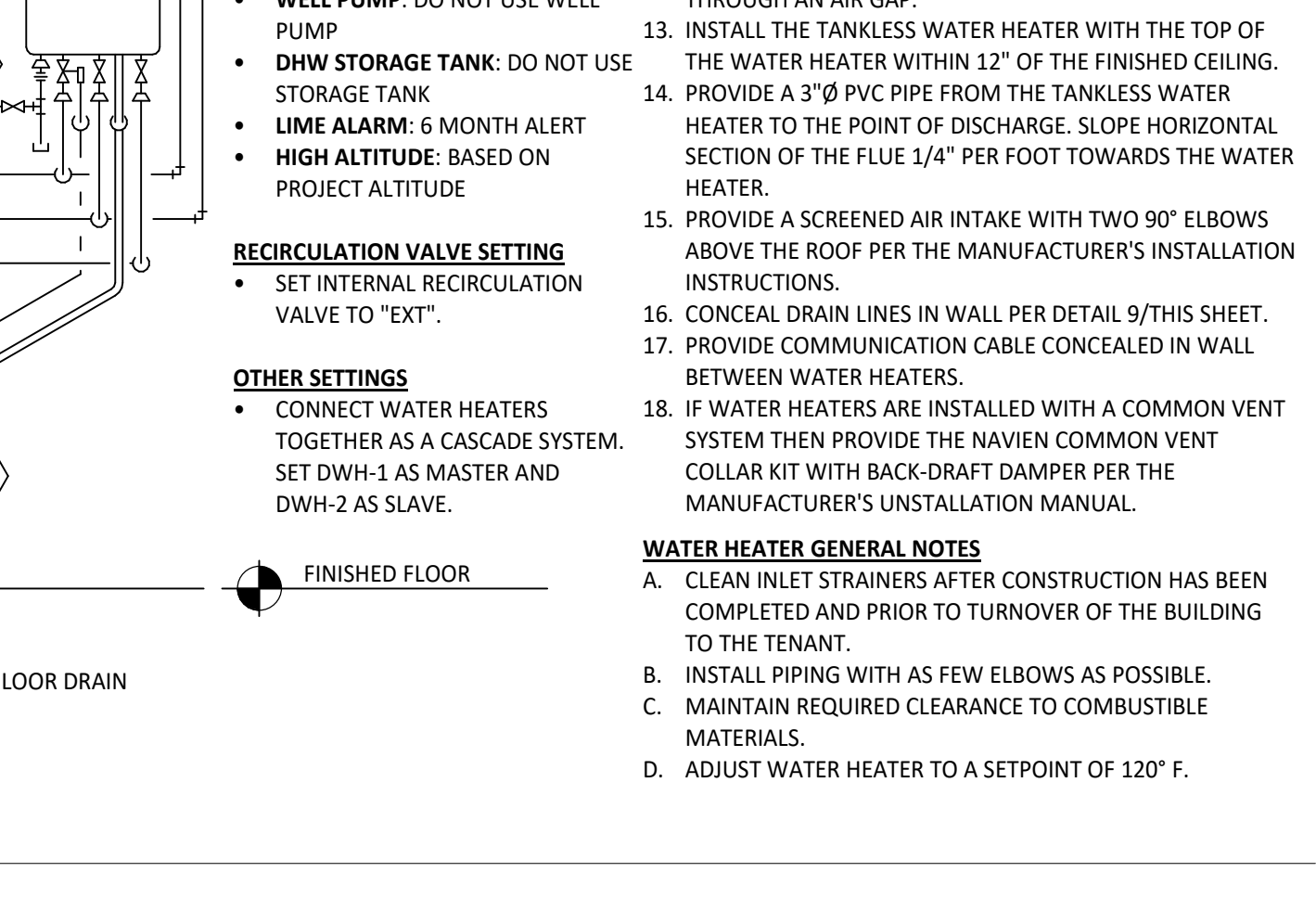
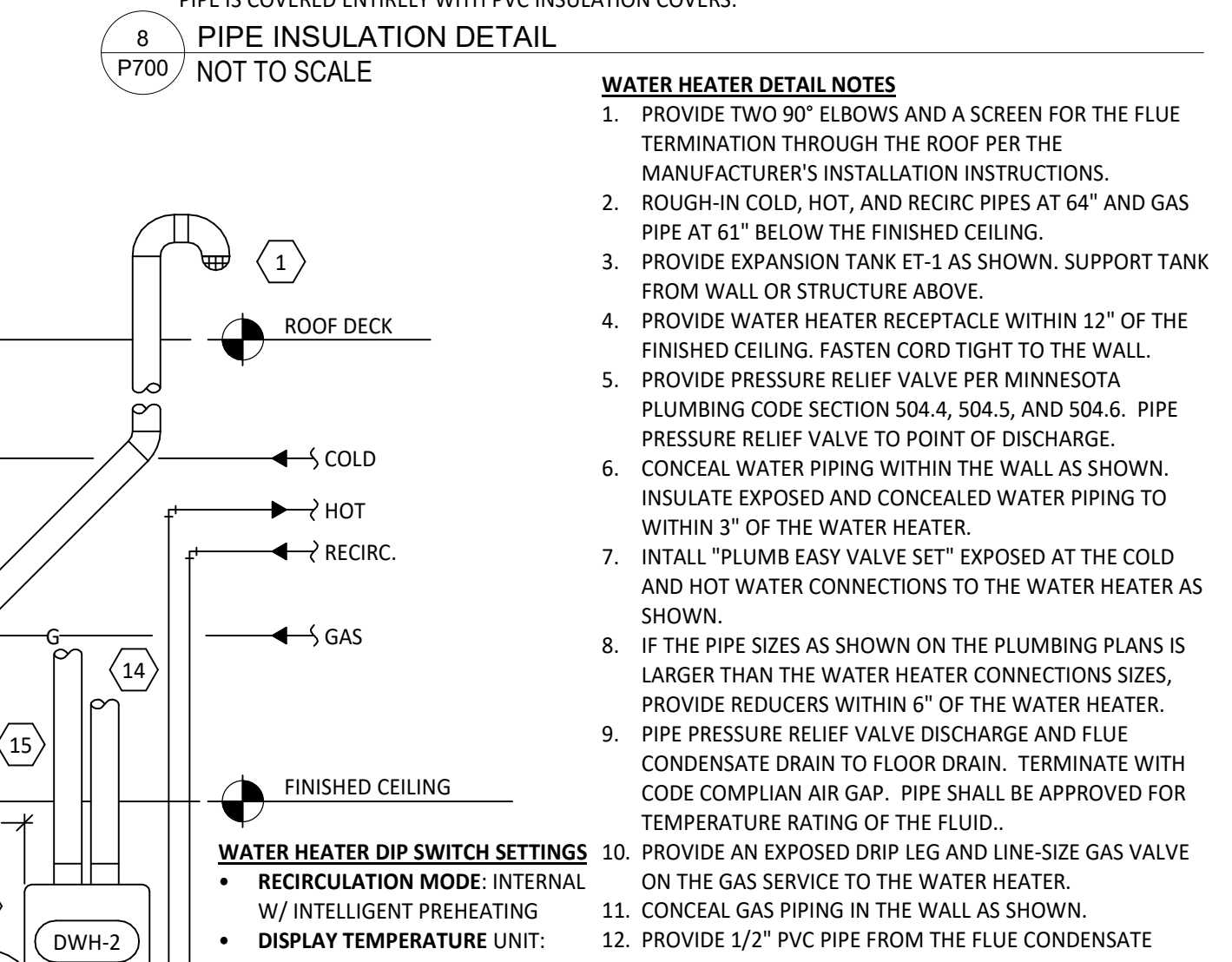
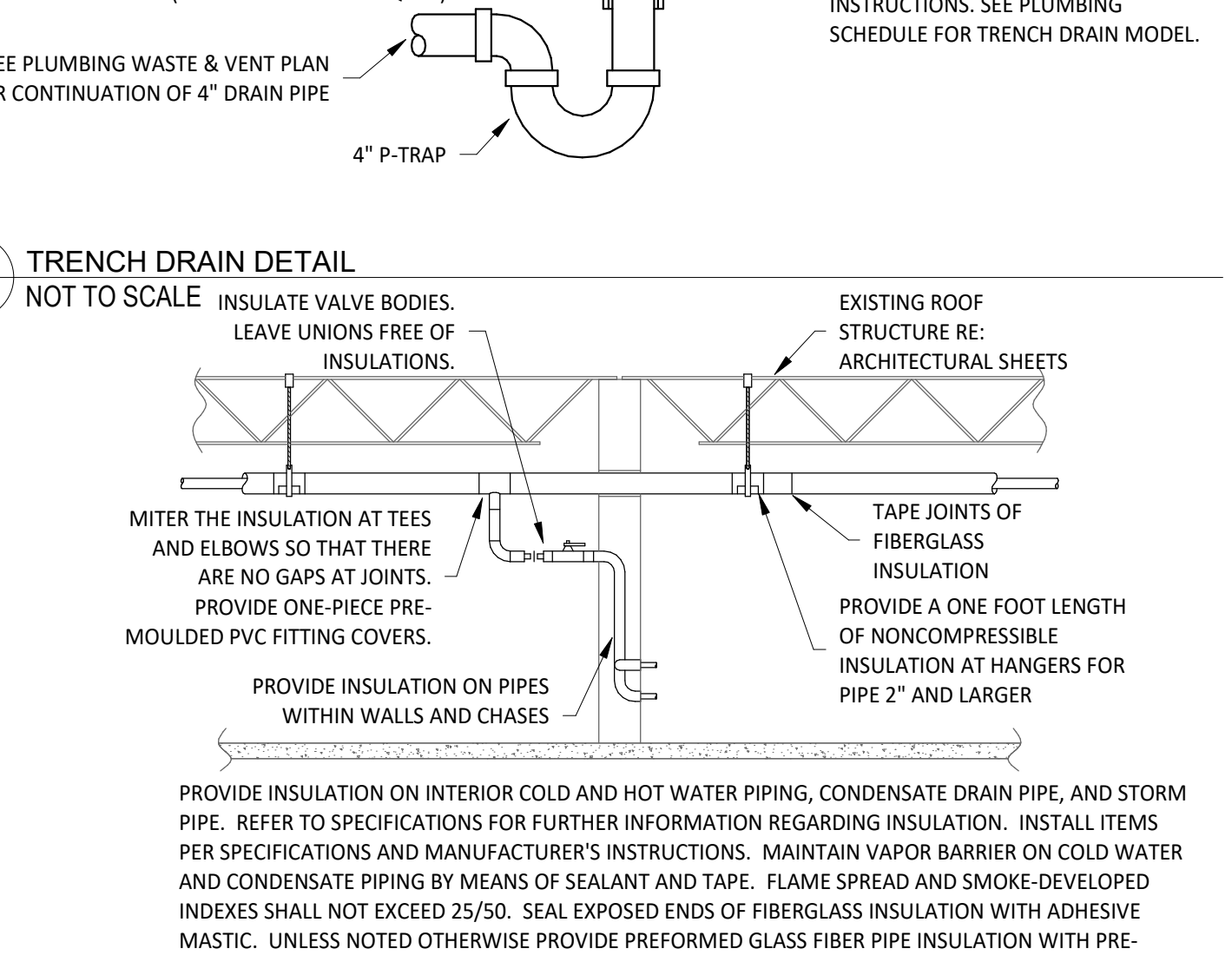
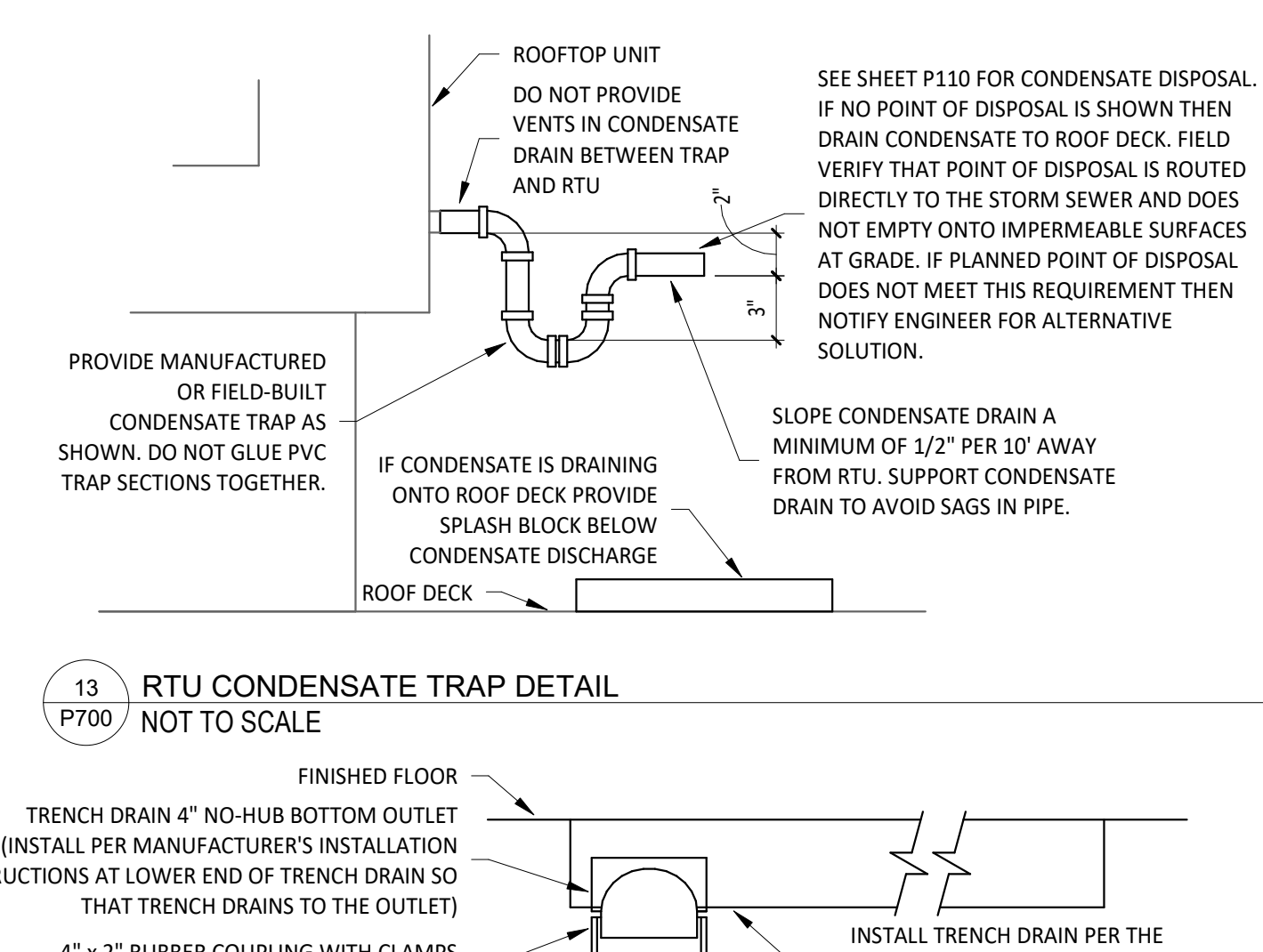
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Plumbing Schedules

P600

Plumbing Fixture & Accessory Schedule							
Type ID	Description	Manufacturer	Model	Qty	Installed By	Furnished By	Specification
BFP-1	Backflow Preventer	Conbraco	4ALF-203-T2F	1	GC	GC	Lead free reduced pressure principle backflow preventer with automatic differential relief valve.
DM-1	Dish Sanitizing Machine (Pumped Outlet)	See Arch	--	1	KES	GC	Chemical sanitizer dish machine with integral electric booster heater and pumped outlet.
DN-1	Downspout Cover	Watts	RD-950	1	GC	GC	Stainless steel downspout cover with perforated hinged strainer.
ET-1	Expansion Tank	Amtrol	ST-5C	1	GC	GC	2-Gallon capacity.
FB-1	Gas Fryer	See Arch	--	1	KES	GC	
FCO-1	Floor Cleanout (3")	Sioux Chief	852-3PNR	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 (4")	Sioux Chief	852-4PNR	6	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	842-2-PNR	8	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	861-3FU2	6	GC	GC	Heavy duty PVC floor sink with aluminum dome bottom strainer and open half PVC grate.
GR-1	Gas Griddle	See Arch	--	1	KES	GC	
HB-1	Chemical Dispenser Hose Bibb	See Arch	--	2	KES	GC	Commercial quality hot & cold mixing wall hydrant. Supply arms shall have integral shut-off stop and check valve. Faucet has female NPT inlets.
HB-2	Vegetable Wash Hose Bibb	See Arch	--	1	KES	GC	Sill faucet with NPT female inlet.
HS-1A	Restroom Hand Sink	American Standard	9024.001EC	2	GC	GC	ADA-accessible, wall-mounted, porcelain lavatory. Provide Zurn Z1231 (Z1231-D for Back-to-back applications) concealed arm carrier in wall. Approved alternate: Kohler K-2084. Provide with ADA compliant insulation kit on drain and water connection piping.
HS-1B	Restroom Hand Sink	See Arch	--	2	KES	GC	Plug-in automatic faucet with 0.5 gpm aerator and ASSE 1070 thermostatic mixing valve. Adjust faucet controls for 10 second shutoff delay and 30 second time-out delay.
HS-2	Kitchen Hand Sink	See Arch	--	4	KES	GC	Stainless steel sink with wall mounting bracket and backplash mounted faucet with swivel gooseneck.
IM-1	Ice Maker - BOH	See Arch	--	1	KES	KES	Back of house ice maker with bin (standard capacity remote air cooled).
IM-2	Ice Maker - Soda	See Arch	--	1	KES	KES	Soda machine-mounted ice machine (integral air cooled).
IM-3	Ice Maker - Soda	See Arch	--	1	KES	KES	Soda machine-mounted ice machine (remote air cooled).
MB-1A	Mop Basin	Fiat	MSB-2424	1	GC	GC	Provide 24"x24"x10" molded-stone mop basin. Install mop basin in a bed of grout so there are no voids between the mop basin and the slab.
MB-1B	Mop Sink Faucet	See Arch	--	1	KES	GC	Service sink faucet with built in stops, lever handles, wall brace, and NPT female inlets. Provide backflow prevention compliant with ASSE 1052, ASSE 1011, or ASSE 1001 if not already integral to fixture.
PF-1	Speed Fill Faucet	See Arch	--	1	KES	GC	Wall-mounted pot filler with self-closing filter valve and NPT female inlet.
RC-1	Rice Cooker	See Arch	--	1	KES	GC	
RH-1	Freeze Proof Roof Hydrant	Woodford	RHY2-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	See Arch	--	1	KES	GC	
SC-1	Soda Rack with Carbonators	See Arch	--	1	SPS	SPS	Soda carbonator(s) shall have an integral ASSE 1022-Rated carbonated beverage backflow prevention device.
SK-1	Three Compartment Sink	See Arch	--	1	KES	GC	Three-compartment ware-washing sink furnished with (1) pre-rinse unit with add-on faucet.
SK-2	Prep Sink	See Arch	--	1	KES	GC	Stainless steel prep table with integral prep sink. Furnished with "Big Bio" 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.
WC-1	Water Closet	Kohler	K-3510 w/seat K-4866-C	2	GC	GC	White 1.0 GPF 17-1/8" high, ADA accessible, pressure assist water closet with open-front seat. Install trip lever on the tank to the open side of the stall (add -RA to the model # for right hand trip lever).
WH-1	Freeze Proof Wall Hydrant	Woodford	67	1	GC	GC	Automatic draining, freezeless wall hydrant with anti-siphon vacuum breaker. Provide with stem long enough to reach inside the thermal envelope of the building.

Gas-Fired Water Heater Schedule																
Identity	Manufacturer	Model	Product Type	Domestic Piping Size	System Design Flow	Type	Gas Burner			Electrical		Furnished By	Installed By	Specification		
DWH-1	Navien	NPE-240A2	Tankless	3/4"	5.6 GPM	NG	199900 Btu/h	Output Rating	191904 Btu/h	Efficiency	96.0%	120 V	1	GC	GC	Provide with lead free "Plumb Easy Valve Set". GC shall purchase water heater directly through a Navien authorized distributor (1-800-519-8794 or www.navien.com to locate authorized distributor).
DWH-2	Navien	NPE-240A2	Tankless	3/4"	5.6 GPM	NG	199900 Btu/h	Output Rating	191904 Btu/h	Efficiency	96.0%	120 V	1	GC	GC	Provide with lead free "Plumb Easy Valve Set". GC shall purchase water heater directly through a Navien authorized distributor (1-800-519-8794 or www.navien.com to locate authorized distributor).



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 8FCR MVOLT HLK FM DTC CPTLE1	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.

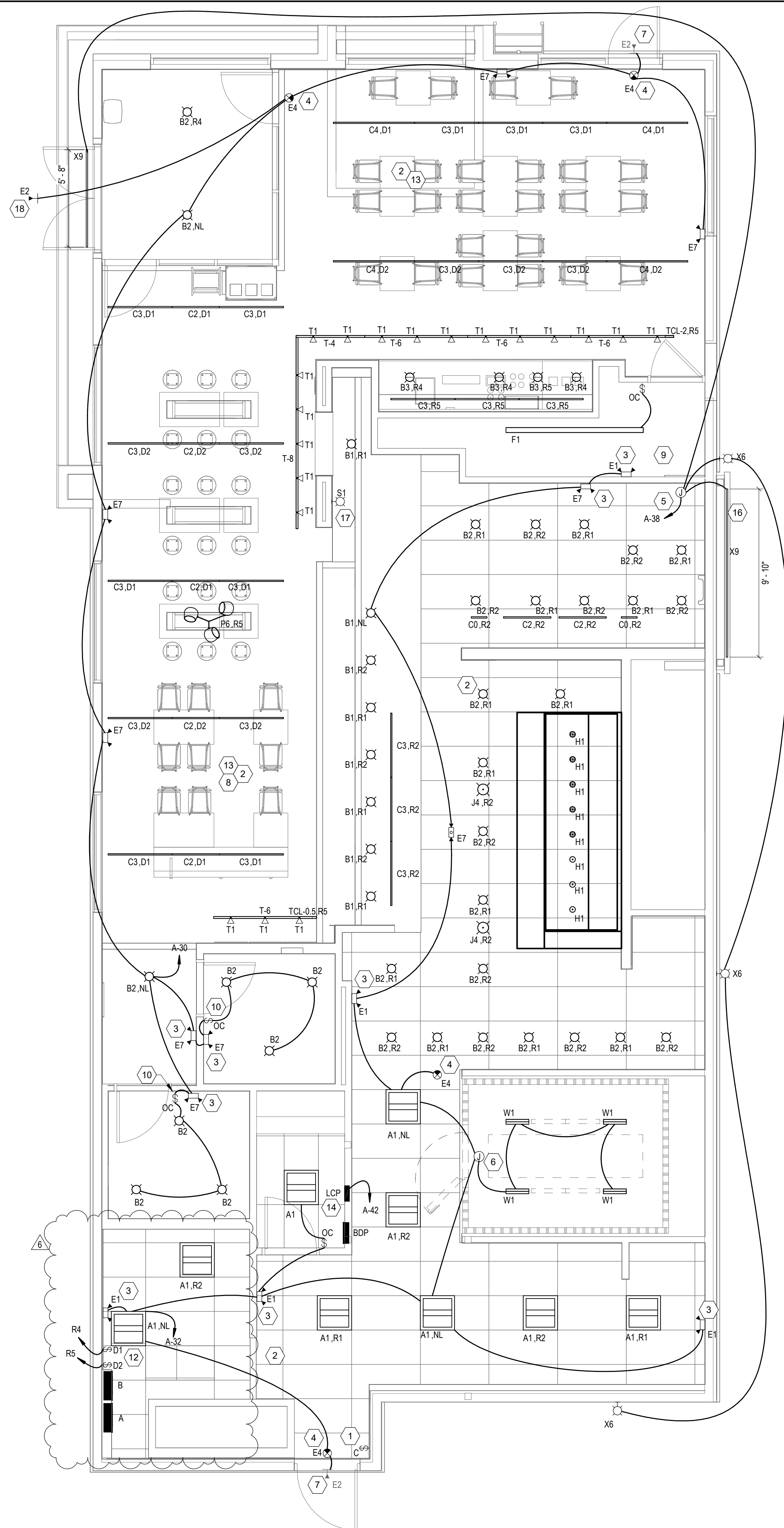
Keynotes

- Install wall-mounted lighting override switch and connect to LCP as shown in detail 6/E710.
- For uncircuited light fixtures, connect to relay circuit indicated next to the fixture tag through the lighting control panel (LCP) unless noted otherwise.
- Wall mount the emergency light fixture at 6" below the ceiling unless noted otherwise.
- 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.
- 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.
- 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.
- Existing to remain fixtures shown for reference only. Connect to branch circuit as shown.
- Provide unistrut as shown on the architectural RCP per the architectural unistrut detail. Typical.
- Connect exterior lighting circuit to circuit shown through the exterior lighting contactor panel per detail 6/E710.
- 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.
- Not Used.
- 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%.
- 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.
- Install lighting control system per detail 6/E710.
- Not Used.
- Not Used.
- 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.
- Install E2 remote emergency light to bottom of canopy. Conceal low voltage wiring from exit sign to remote emergency light.

Luminaire Schedule											
Tag	Count	Description	Mounting	Voltage	WATTS	Furnished By	Installed By	Manufacturer	Model Number	Lamp	Notes
A	2	Lithonia Lighting D Series LED Pole Light	Pole	120 V	142 W	TLS	GC	Lithonia Lighting	DSX1 LED-P5-30K-T4M-MVOLT-SPA-DD BXD	Integral LED	See plan for lamp head configuration. Refer to architectural sheets for finish and installation detail
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	8	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	33	Recessed 6IN Can Light W/ LED Trim	Ceiling	120 V	17 W	TLS	GC	Nora Lighting	NHIC-6G24ATFL With NLCBC-65130WW LED Trim	Integral 3000K LED	LED trim furnished with GU24 socket adapter
B3	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/12/WW	Integral LED	Furnished with covers, connectors, and one hardwire box or cord/plug per section
C2	7	Low Profile LED - 3 FT	Surface	120 V	12 W	TLS	GC	Hera Lighting	EL/LED/34/WW	Integral LED	Furnished with covers, connectors, and one hardwire box or cord/plug per section
C3	22	Low Profile LED - 4 FT	Surface	120 V	15 W	TLS	GC	Hera Lighting	EL/LED/46/WW	Integral LED	Furnished with covers, connectors, and one hardwire box or cord/plug per section
C4	4	Low Profile LED - 5 FT	Surface	120 V	18 W	TLS	GC	Hera Lighting	EL/LED/59/WW	Integral 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	1	Exterior Remote Emergency Light	Various	4 V	1 W	TLS	GC	Exitronix	MLED1-B-WP	Integral LED	Low voltage remote emergency light powered by remote-capable exit sign with mounting plate
E4	4	White Exit Sign With Emergency Light - Standard Red Letters	Various	120 V	2 W	TLS	GC	Exitronix	CLED-U-WH	Integral LED	90 minute battery backup with integral emergency light, remote head capable
E7	9	Emergency Light	Various	120 V	2 W	TLS	GC	Exitronix	EV2	Integral LED	90 minute battery backup
F1	1	LED Strip - 8 FT	Surface	120 V	64 W	TLS	GC	Lithonia Lighting	CLXL96 10000LM SEF WDL MVOLT GZ10 40K 80CRI	Integral LED	Chain hang fixture at 9' above finished floor
G4	2	Patio Pole Light	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-ASH-SBK-100-NA-GU24	Green Creative 9A19DIM/927/GU24/R	With black lampshade, black cord, and oak lampholder
P6	1	Decorative Dining Room Pendant	Pendant	120 V	30 W	TLS	GC	Barnlight	BLE-C-HGT-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	19	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-4	1	Track (4 FT)	Surface	120 V	0 W	TLS	GC	Juno	T 4FT BL	N/A	Single circuit, black finish. Furnish with connectors to achieve arrangement shown on plans. Trim as required for lengths shown.
T-6	4	Track (6 FT)	Surface	120 V	0 W	TLS	GC	Juno	T 6FT BL	N/A	Single circuit, black finish. Furnish with connectors to achieve arrangement shown on plans. Trim as required for lengths shown.
T-8	1	Track (8 FT)	Surface	120 V	0 W	TLS	GC	Juno	T 8FT BL	N/A	Single circuit, black finish. Furnish with connectors to achieve arrangement shown on plans. Trim as required for lengths shown.
TCL-0.5	1	Track Current Limiter (60W)	Surface	120 V	0 W	TLS	GC	Juno	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
X6	3	Exterior LED Wall Mounted Light	Surface	120 V	10 W	TLS	GC	RAB Lighting	WPLED10Y	Integral LED	--
X9	2	Exterior LED Channel Light	Surface	120 V	4.5W/FT	TLS	GC	Paradigm LED	AMC-2410-2 W/ OPAL LENS AND END CAPS	FLEXSR-45-30-67-24	Furnished w/ remote-mounted NEMA 3R LED driver. See plan for lengths.

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.



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PROJECT INFORMATION:

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SEAL:

I HEREBY CERTIFY THAT THIS PLAN,
SPECIFICATION, OR REPORT WAS
PREPARED BY ME OR UNDER MY DIRECT
SUPERVISION AND THAT I AM A DULY
LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF
MINNESOTA

PRINT NAME: TIBEBU, B. OGETO

SIGNATURE:

DATE 01/03/2025 UC NO. 63166

PROJECT NO. 2024-0266

DRAWN BY AA

CHECKED BY DRS

ISSUE RECORD:

09/17/2024	PERMIT SET
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REVISIONS:

1	10/14/2024	CLIENT COMMENTS
4	11/12/2024	CLIENT UPDATES
6	01/06/2025	CB01

TITLE:

Electrical Lighting
Plan

SHEET NUMBER:

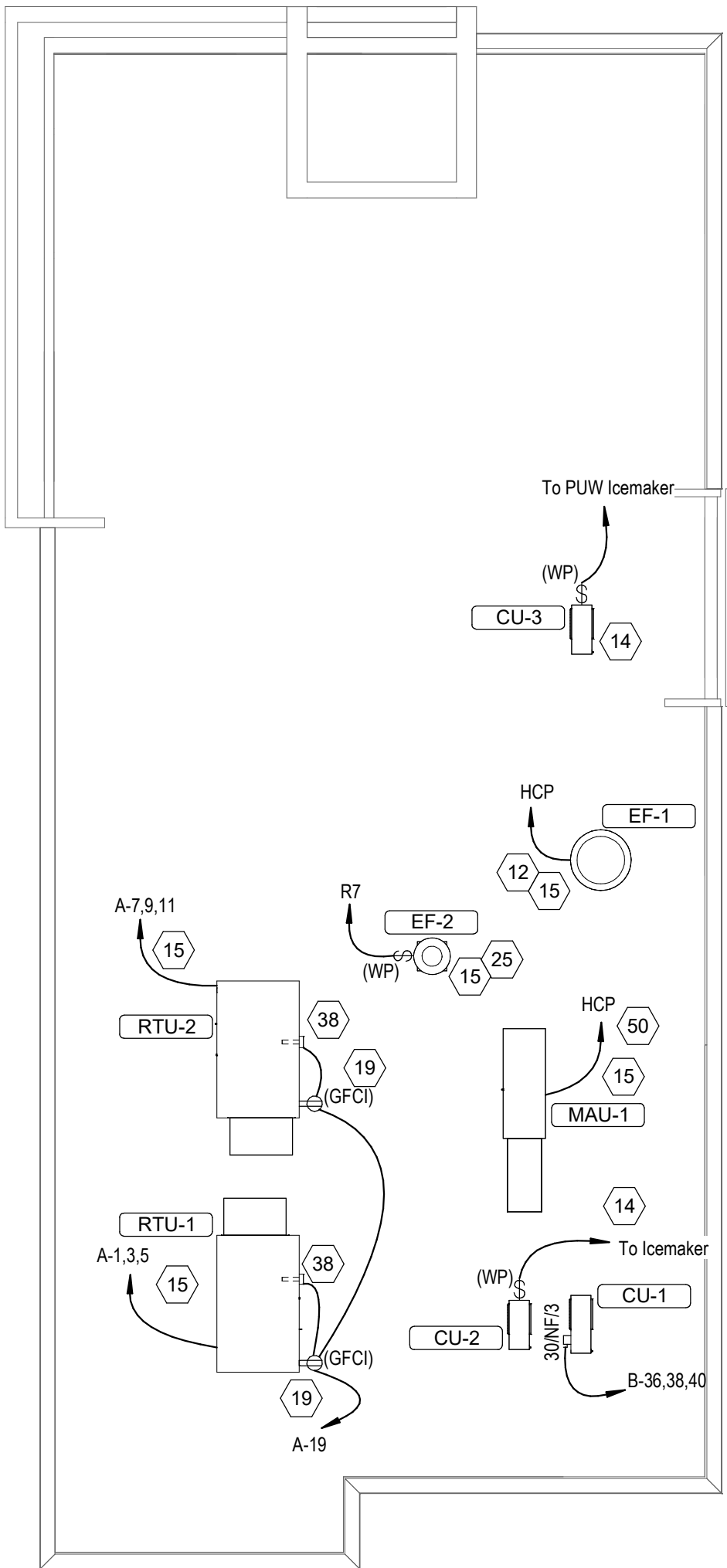
E100

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. Not Used.
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 on roof.
15. Unit shall have an integral non-fused disconnect switch.
16. Provide 3" conduit (EMT, IMC, or RMC) through roof. Terminate with weatherhead even with top of parapet for future cell booster. Secure conduit to structure to support future antenna installation. Provide 1/4" x 2" x 10" 16-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 BDP per the manufacturer's instructions. Provide final connection from flanged inlet to the output of the UPS using a 2' long 20A extension cord. Plug the UPS into the single receptacle.
25. Connect restroom exhaust fan to circuit shown through the Lighting Control Panel (LCP).
26. Install 16/2 speaker wire furnished by MSS. Install speaker wire between speakers in the dining room as shown to the volume control in the kitchen with 3 feet of slack at each end. See architectural plans for speaker locations. Adjust each speaker 70V tap setting to be 15 watts.
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.
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 pullstring from J-Box to above lay-in ceiling area in kitchen. J-Box shall not be surface mounted. Base of camera shall be mounted flush to exterior wall finish.
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.

Electrical Power Plan Notes

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 detail on sheet E710.
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/MSB", 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, remove.
50. Provide a two-conductor low voltage wire in 3/4" C. and (4) #12, #12 N., #12 G. in 1" C. from MAU-1 to the hood control panel per the manufacturer's installation instructions.
51. Provide horizontal single gang junction box for data jack as shown for Kronos time clock.
52. Provide a recessed J-Box at 56" AFF for the installation of the security system keypad with a 1/2" conduit to above the lay-in ceiling. Terminate conduit with a conduit bushing.
53. Provide ceiling mounted electric unit heater as manufactured by Indeco model #931U04000V, 3KW, 208V, single phase.
54. Provide a recessed single gang junction box above door and 3" in from latch side of door for the installation of the security system door contact with a 1/2" conduit to above the lay in ceiling. Terminate conduit with a conduit bushing.
55. Electrical contractor to provide a self-contained meter socket, model #16S320A per Owatonna Public Utilities. Contact Owatonna Public Utilities if additional information is needed.
56. Electrical Contractor to provide a 400A fused disconnect on wall. Install next to meter socket.

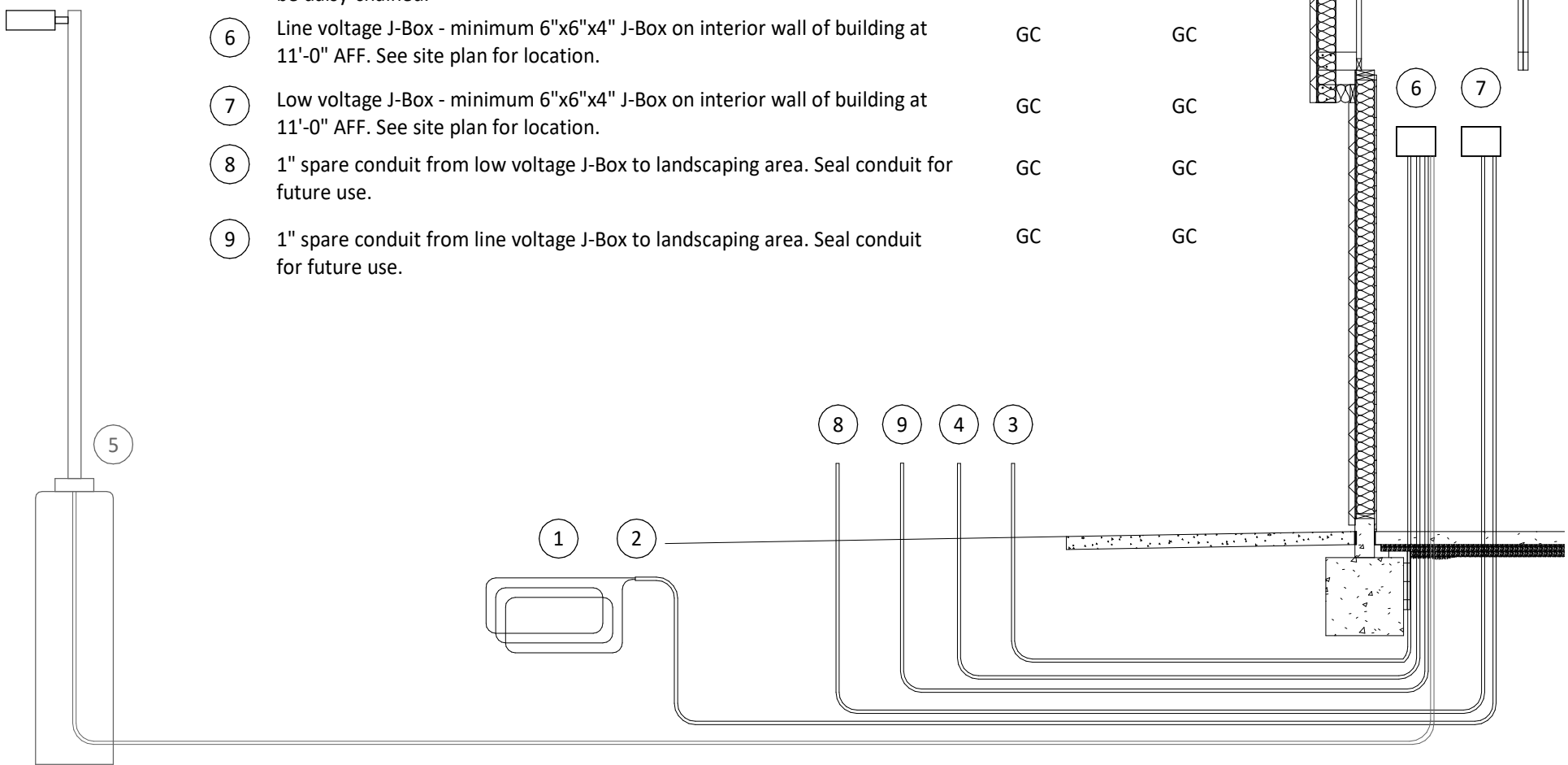


Luminaire Schedule											
Tag	Count	Description	Mounting	Voltage	WATTS	Furnished By	Installed By	Manufacturer	Model Number	Lamp	Notes
A	2	Lithonia Lighting D Series LED Pole Light	Pole	120 V	142 W	TLS	GC	Lithonia Lighting	DSX1 LED-P5-30K-T4M-MVOLT-SPA-DOBXD	Integral LED	See plan for lamp head configuration. Refer to architectural sheets for finish and installation detail

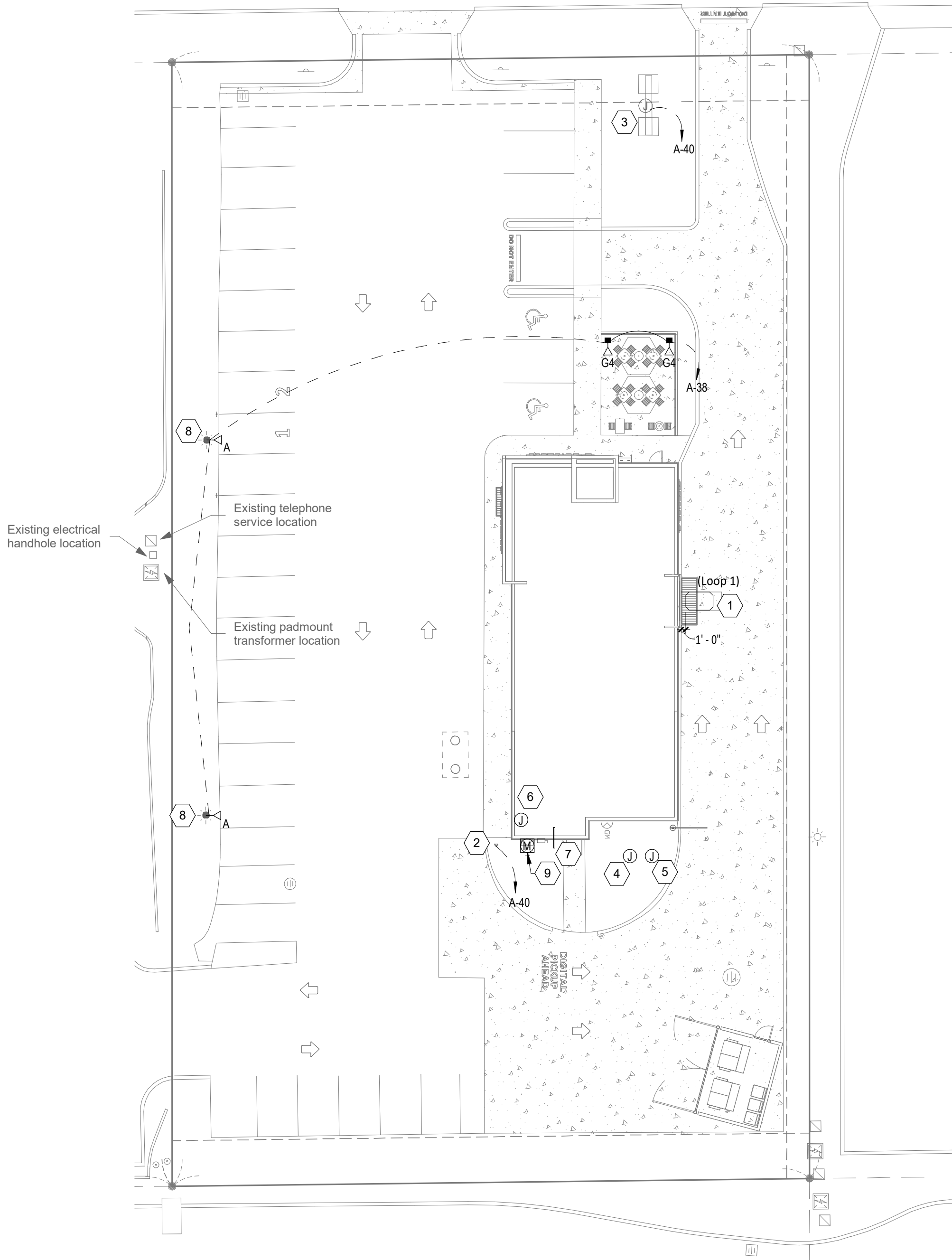
General Notes

- A. Work and materials shall be compliant with the NEC and requirements of the AHJ.
- B. Conductors and connections below grade, even where within conduits or enclosures, shall be suitable for wet locations.
- C. Provide pull string in empty conduits.
- D. Seal ends of conduits stubbed up above grade to protect from the elements.

Tag	Description	Responsibility	
		Device Or Conduit	Connection Or Conductors
1	Vehicle detector loop - 6"x4" with 4 turns (EMX PR-46-XX). Verify length of lead-in wire prior to ordering to allow wire to reach vehicle detector without splicing. See site plan for locations.	GC	GC
2	1" conduit from vehicle detector loop location to low voltage J-Box.	GC	GC
3	1" conduit from digital pickup sign location to line voltage J-Box.	GC	GC
4	1" conduit from site directional signage and/or monument sign location(s) to line voltage J-Box. See site plan for locations and number of rough-in locations.	GC	GC
5	1" conduit from site lighting fixture(s) to line voltage J-Box. Site fixtures can be daisy-chained.	EXT'G	GC
6	Line voltage J-Box - minimum 6"x6"x4" J-Box on interior wall of building at 11'-0" AFF. See site plan for location.	GC	GC
7	Low voltage J-Box - minimum 6"x6"x4" J-Box on interior wall of building at 11'-0" AFF. See site plan for location.	GC	GC
8	1" spare conduit from low voltage J-Box to landscaping area. Seal conduit for future use.	GC	GC
9	1" spare conduit from line voltage J-Box to landscaping area. Seal conduit for future use.	GC	GC



2
E115 Site Conduit Detail
NOT TO SCALE



1
E115 Power Site Plan
1" = 20'-0"

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. See Detail 2/this sheet for site conduits.
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. Provide 1" spare low voltage conduit. See Detail 2/this sheet for more information.
5. Provide 1" spare line voltage conduit. See Detail 2/this sheet for more information.
6. Provide 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 (2) empty 2" conduits with pull strings from the base building's telephone and data service entrance locations to the space above the office ceiling. terminate with conduit bushing.
8. Site lighting locations shown for reference. Replace light fixture pole lights with type A as indicated in the light fixture schedule shown on this sheet. Connect existing site lighting poles to branch circuit as shown. Branch circuit to be routed through exterior lighting contactor panel as shown on Detail 5 on sheet E710. See Detail 2 on this sheet for additional conduit/wiring information. Size branch circuit wiring (where providing new) to limit the voltage drop to 3 percent.
9. New 400A disconnect and self-contained meter socket on exterior wall. See E710 for more information.

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PROJECT INFORMATION:

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I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

PRINT NAME: TIBEBU B. OGETO

SIGNATURE:

DATE 01/03/2025 LIC. NO. 63166

PROJECT NO. 2024-0266

DRAWN BY AA

CHECKED BY DRS

ISSUE RECORD:

09/17/2024	PERMIT SET
10/24/2024	BID SET
12/02/2024	CONSTRUCTION SET

REVISIONS:

1	10/14/2024	CLIENT COMMENTS
4	11/12/2024	CLIENT UPDATES

TITLE:

Electrical Site Plan

SHEET NUMBER:

E115

Panelboard: BDP

Location: OFFICE-1 109-1

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
Receptacle - General	2200 VA	100.00%	2200 VA	Connected Load: 2 KVA
				Connected Current: 18 A
				Demand Load: 2 KVA
				Demand Current: 18 A
	</			

Branch Panel: A															
Location: KITCHEN-1 108-1						Volts: 208Y/120			A.I.C. Rating: 65,000						
Supply From: Utility/Exterior Main Disconnect						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:															
CKT	Circuit Description	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	Circuit Description	CKT
1	Air Conditioner - Kitchen (RTU-1)	HACR	50 A	3	5044 VA	0 VA	5044 VA	0 VA			3	60 A		TVSS (4-#6, #10 G. in 1" C.)	2
3	(3-#8, #10 G. in 3/4" C.)						5044 VA	0 VA							4
5															6
7	Air Conditioner - Dining Room (RTU-2)	HACR	60 A	3	5764 VA	0 VA	5764 VA	0 VA			3	20 A		Gridpoint 3 Phase Meter (4-#12, #12 G. in 3/4" C.)	8
9	(3-#6, #10 G. in 1" C.)														10
11															12
13	Receptacles - Storefront		20 A	1	1080 VA	200 VA			5764 VA	0 VA	1	20 A		Gridpoint Transformer	14
15	Receptacles - Dining		20 A	1			180 VA	901 VA			3	20 A		Hood Exhaust Fan (EF-1) (3-#12, #12 G. in 3/4" C.)	16
17	Panel BDP		20 A	1				2200 VA	901 VA	18					
19	Receptacle - Rooftop		20 A	1	361 VA	901 VA				20					
21	Receptacles - POS General		20 A	1			700 VA	400 VA			3	15 A		Hood Makeup Air Fan (MAU-1) (3-#12, #12 G. in 3/4" C.)	22
23	Security/Audio		20 A	1				400 VA	400 VA	24					
25	Irrigation Controller		20 A	1	36 VA	400 VA				26					
27	Receptacles - Office	GFCI	20 A	1			1260 VA	500 VA			1	15 A		Restroom Fan (EF-2)	28
29	Receptacles - DML	GFCI	20 A	1					1040 VA	807 VA	1	20 A		Lighting - Dining Room	30
31	Receptacles - Restrooms		20 A	1	400 VA	1521 VA					1	20 A		Lighting - Kitchen	32
33	Bathroom Sanitizer		20 A	1			48 VA	180 VA			1	20 A		Maintenance Receptacle (UH-1)	34
35	HD-1 (Control and Lights)		15 A	1					144 VA	600 VA	1	20 A		Sign Lighting	36
37	Vehicle Detector		20 A	1	30 VA	133 VA					1	20 A		Lighting - Exterior	38
39	Vestibule Heater (UH-1)		20 A	2			750 VA	100 VA			1	20 A		Site Signage	40
41	(2-#10, #10 G. in 3/4" C.)								750 VA	0 VA	1	20 A		Lighting Control Panel	42
43	Spare		20 A	1	0 VA	200 VA					1	20 A		Pick-up Window	44
45	Spare		20 A	1			0 VA	3500 VA			2	40 A		PUW Air Curtain (2-#8, #10 G. in 3/4" C.)	46
47	Spare		20 A	1				0 VA	3500 VA	48					
49	Spare		20 A	1	0 VA	0 VA				50					
51	Spare		20 A	1			0 VA	0 VA			1	20 A		Spare	52
53	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare	54
Total Load:					35970 VA		37430 VA		41730 VA						
Total Amps:					300 A		314 A		350 A						
Legend:															
Load Classification			Connected Load			Demand Factor			Estimated Demand			Panel Totals			
Motor			38517 VA			111.22%			42840 VA						
Lighting			3161 VA			125.00%			3952 VA			Total Conn. Load: 115130 VA			
Receptacle - General			15051 VA			83.22%			12526 VA			Total Est. Demand: 97277 VA			
Kitchen Equipment			58400 VA			65.00%			37960 VA			Total Conn. Current: 320 A			
												Total Est. Demand Current: 270 A			
Notes:															

Branch Panel: B															
Location: KITCHEN-1 108-1						Volts: 208Y/120			A.I.C. Rating: 65,000						
Supply From: A						Phases: 3			Mains Type: MLO						
Mounting: Recessed						Wires: 4			Mains Rating: 400 A						
Enclosure: Type 1									Feed Thru Lugs: No						
Notes:															
CKT	Circuit Description	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	Circuit Description	CKT
1	Carbonator/CO2 Alarm	GFCI	20 A	1	1300 VA	1400 VA					1	20 A		Food Prep Table	2
3	Food Prep Table (Island)	GFCI	20 A	1			1400 VA	1100 VA			1	20 A	GFCI	Soda System Dispenser	4
5	Food Prep Table AFVT	GFCI	20 A	1					180 VA	1400 VA	1	20 A	GFCI	Ice Maker - Utensil Counter	6
7	Reach-In Refrigerator	GFCI	20 A	1	1200 VA	1000 VA					1	20 A	GFCI	Bubbler	8
9	Ready-To-Drink Refrigerator	GFCI	20 A	1			1100 VA	200 VA			1	20 A	GFCI	UV Insect Light Trap	10
11	Cold Top (Serve Line)		20 A	1					1400 VA	1000 VA	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 VA									14
15	Ice Maker / CU-2	GFCI	20 A	1			1900 VA	2100 VA			2	30 A		Hot Food Server (Serve Line) (2-#10, #10 N., #10 G. in 3/4" C.)	16
17	Gas Water Heater / Water Softener	GFCI	20 A	1					600 VA	2100 VA					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 VA							22
23	Food Warmer (Rice Table)		15 A	1					200 VA	1400 VA	2	20 A	GFCI	Tortilla Press (Serve Line) (2-#10, #10 N., #10 G. in 3/4" C.)	24
25	Tortilla Press (DML)				1400 VA	300 VA					1	20 A		Refrigerator (Cook Line)	26
27	(2-#10, #10 G. in 3/4" C.)	GFCI	20 A	2			1400 VA	2100 VA			2	30 A	GFCI	Hot Food Server (DML) (2-#10, #10 N., #10 G. in 3/4" C.)	28
29	Upright Refrigerator	GFCI	20 A	1					1200 VA	2100 VA	1	20 A			30
31	Dish Machine		30 A	2	2600 VA	1400 VA					1	20 A	GFCI	Foodwarmer (DML)	32
33	(2-#10, #10 G. in 3/4" C.)						2600 VA	1200 VA			1	20 A	GFCI	Cold Top (DML)	34
35	Quesadilla Maker								2900 VA	1100 VA					36
37	(2-#10, #10 G. in 3/4" C.)	GFCI	30 A	2	2900 VA	1100 VA					3	15 A		CU-1 (3-#10, #10 G. in 3/4" C.)	38
39	Undercounter Cooler (PUW)	GFCI	20 A	1			200 VA	1100 VA							40
41	Quesadilla Maker		20 A	2					2900 VA	1500 VA	1	20 A	GFCI	Ice Maker (PUW) / CU-3	42
43	(2-#10, #10 G. in 3/4" C.)	GFCI	20 A	2	2900 VA	1100 VA					1	20 A	GFCI	Soda System Dispenser (PUW)	44
45	Storage 114 Receptacle		20 A	1			180 VA	24 VA			1	20 A			46
47	Spare		20 A	1					0 VA	200 VA	1	20 A		W/C - Door Section	48
49	Spare		20 A	1	0 VA	0 VA					1	20 A		W/C - Evaporator	50
51	Spare		20 A	1			0 VA	0 VA			1	20 A		Spare	52
53	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare	54
Total Load:					19900 VA		18104 VA		20180 VA						
Total Amps:					168 A		151 A		170 A						
Legend:															
Load Classification					Connected Load		Demand Factor		Estimated Demand		Panel Totals				
Receptacle - General					180 VA		100.00%		180 VA						
Kitchen Equipment					58004 VA		65.00%		37703 VA						
											Total Conn. Load: 58184 VA				
											Total Est. Demand: 37883 VA				
											Total Conn. Current: 162 A				
											Total Est. Demand Current: 105 A				
Notes:															

CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
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GRILL, INC.

PROJECT INFORMATION:

STORE NO.: 5558
"Chipotle Owatonna"
135 Allan Ave SW
Owatonna, MN 55060

SEAL:

I HEREBY CERTIFY THAT THIS PLAN,
SPECIFICATION, OR REPORT WAS
PREPARED BY ME OR UNDER MY DIRECT
SUPERVISION AND THAT I AM A DULY
LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF
MINNESOTA.

PRINT NAME: TIBEBU B. OGETO

SIGNATURE:

DATE 01/03/2025 LIC NO. 63166

PROJECT NO. 2024-0266

DRAWN BY AA

CHECKED BY DRS

ISSUE RECORD:

09/17/2024 PERMIT SET

10/24/2024 BID SET

12/02/2024 CONSTRUCTION SET

REVISIONS:

1 10/14/2024 CLIENT COMMENTS

4 11/12/2024 CLIENT UPDATES

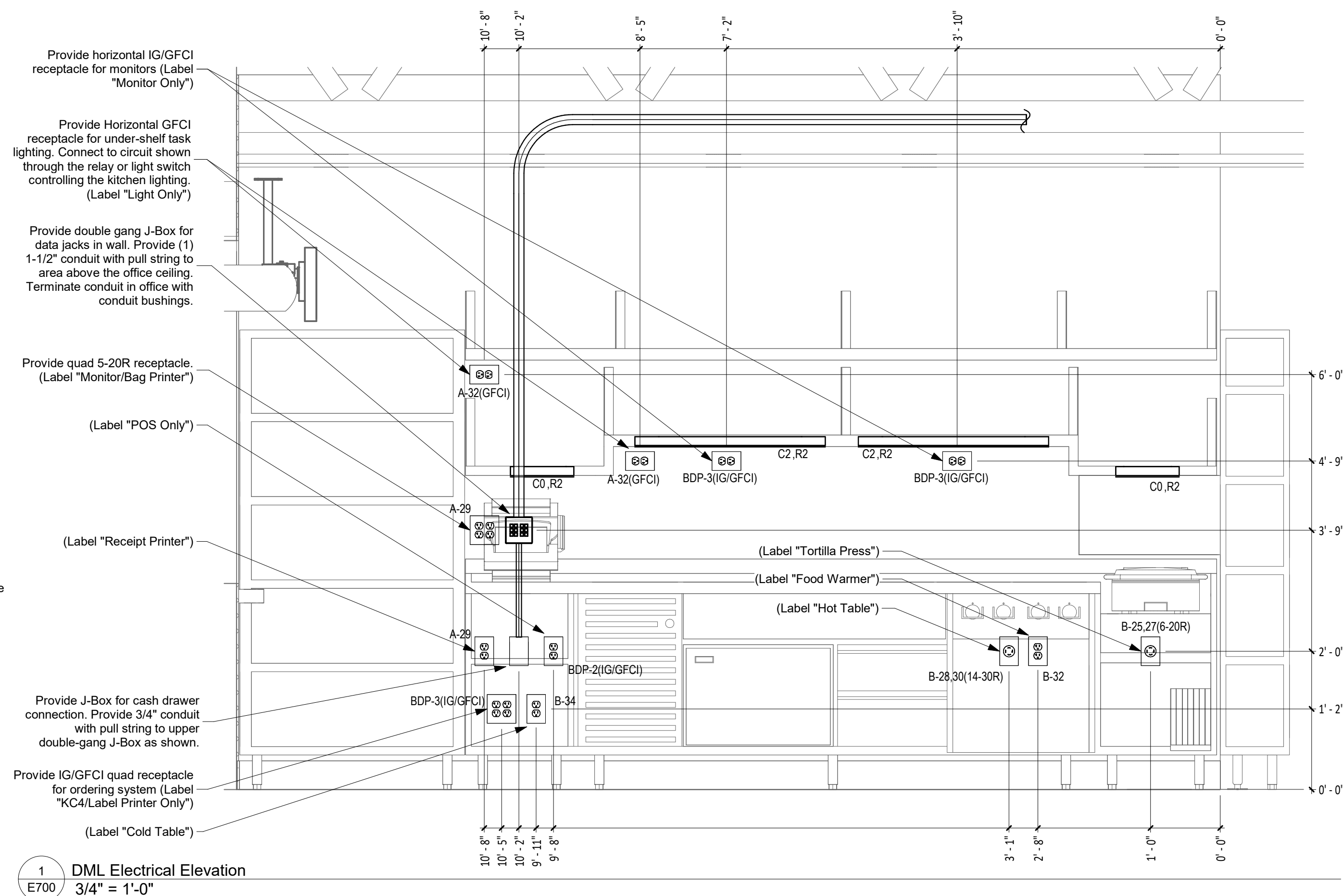
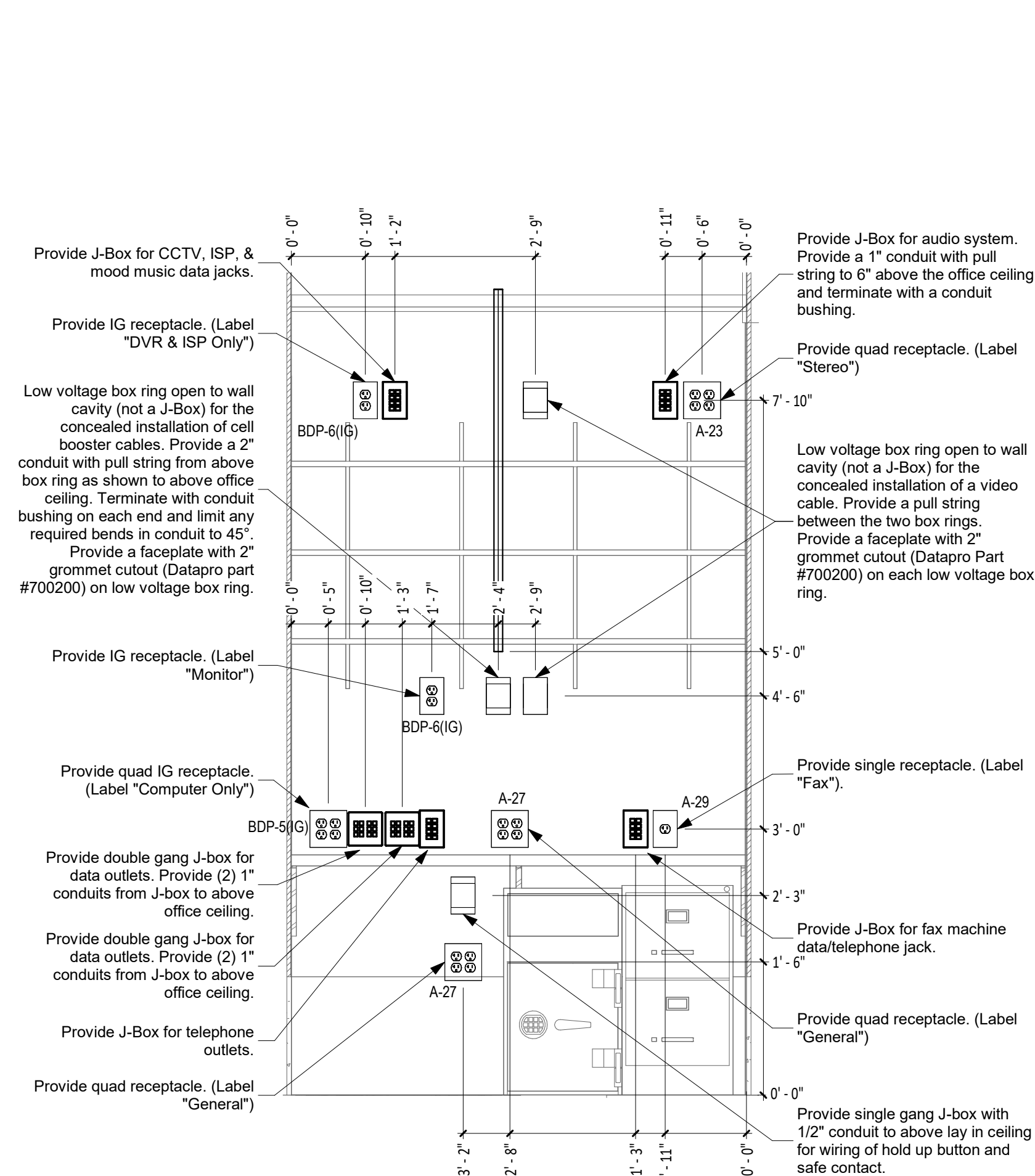
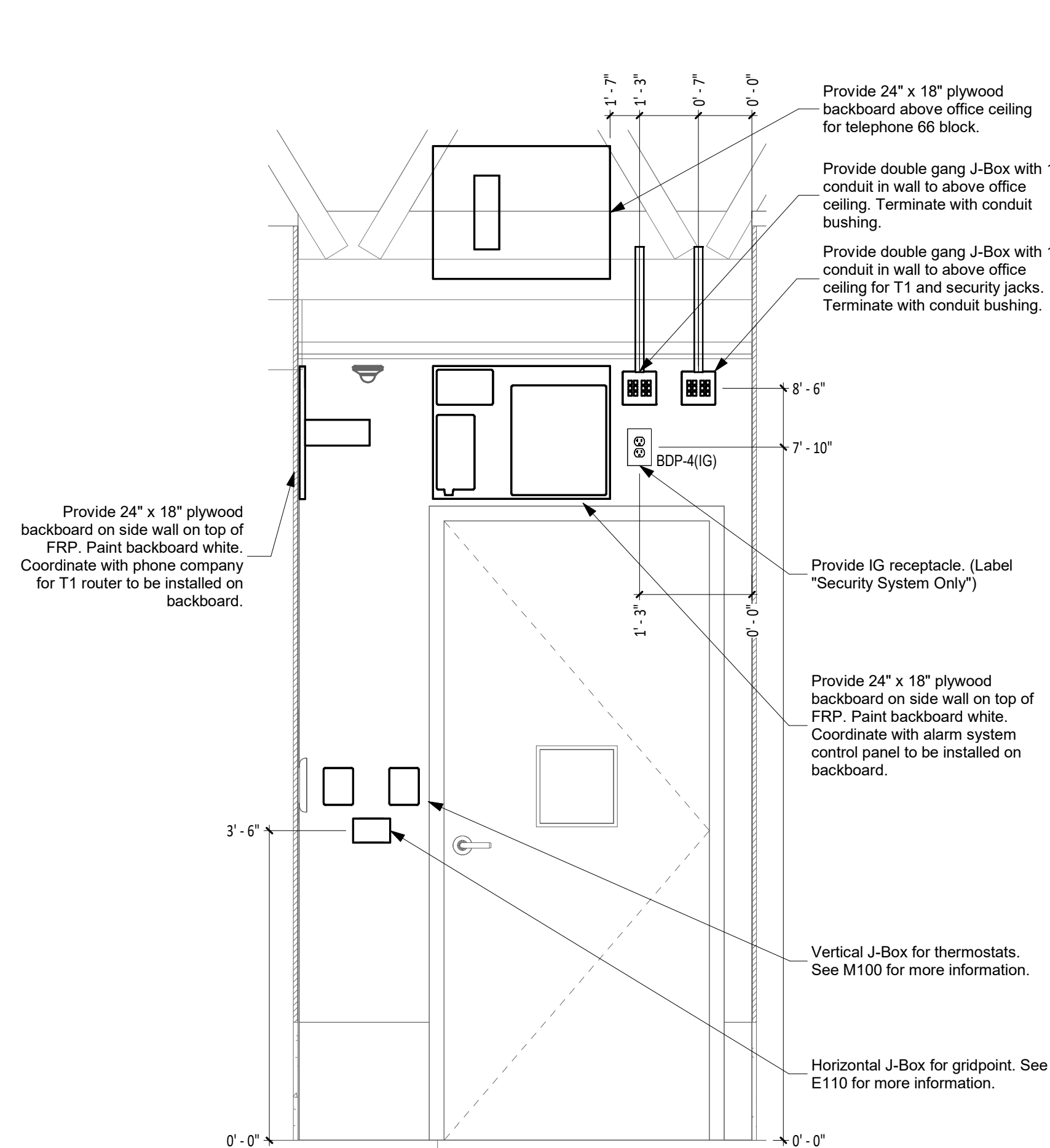
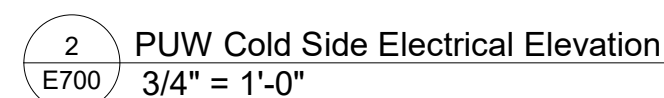
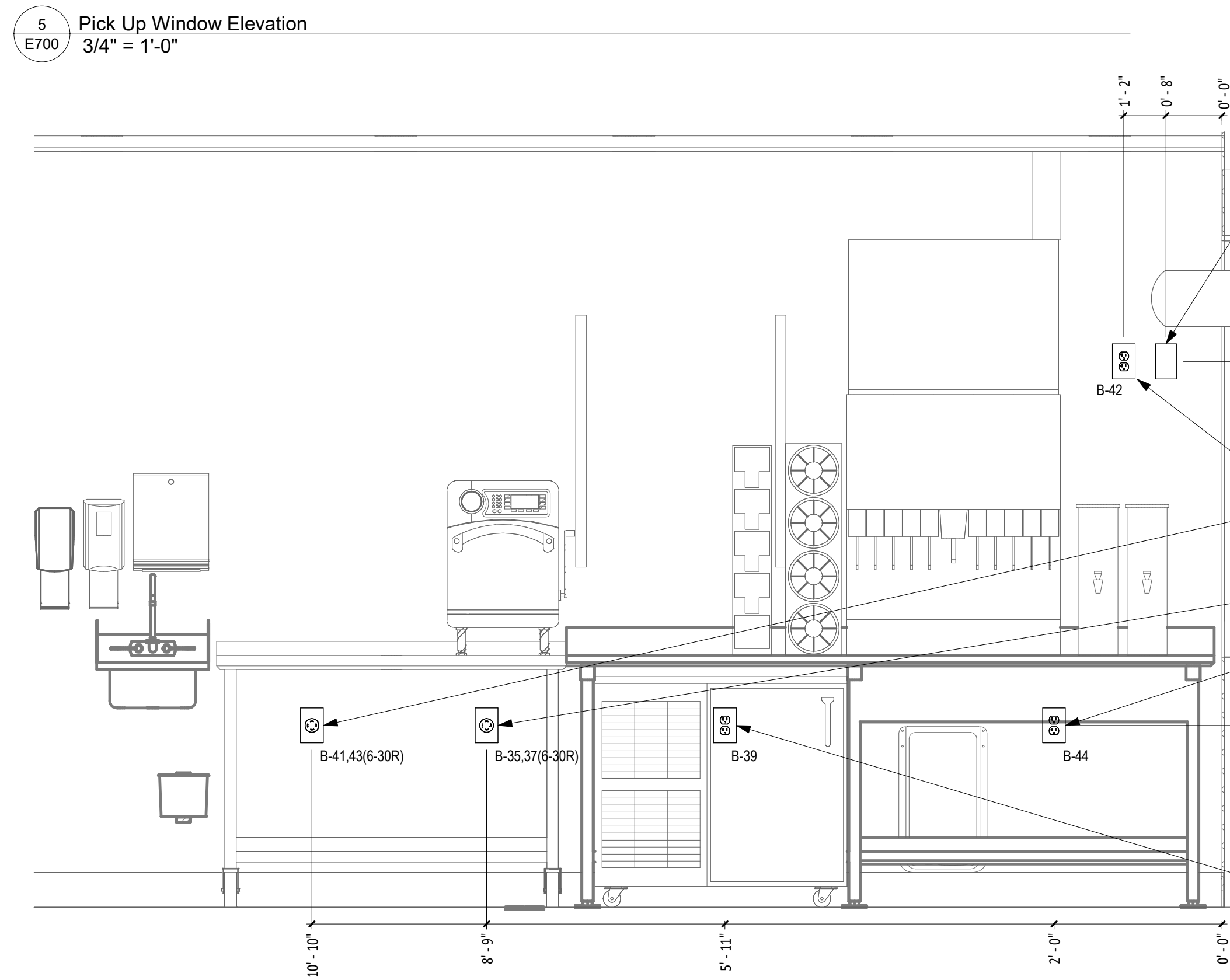
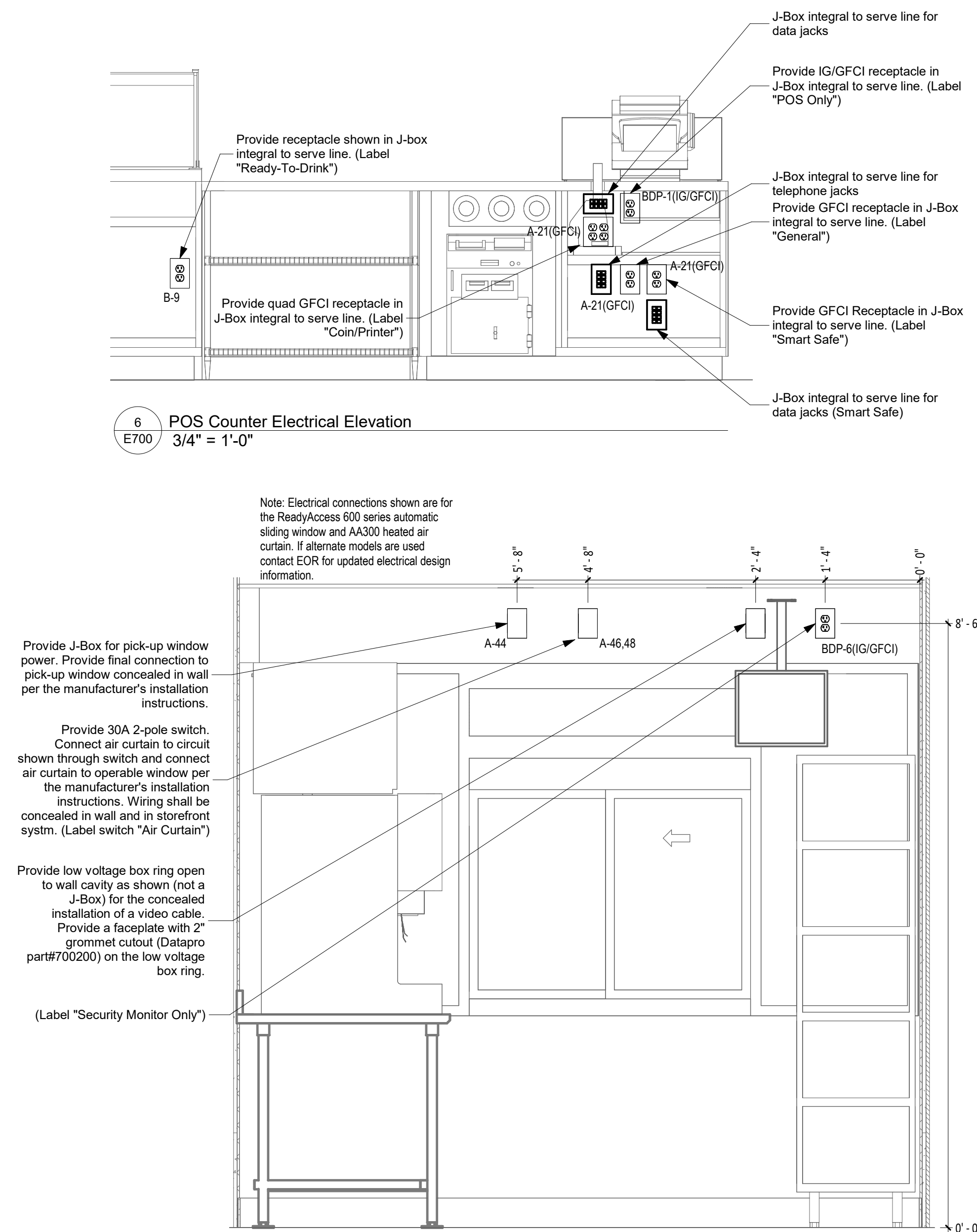
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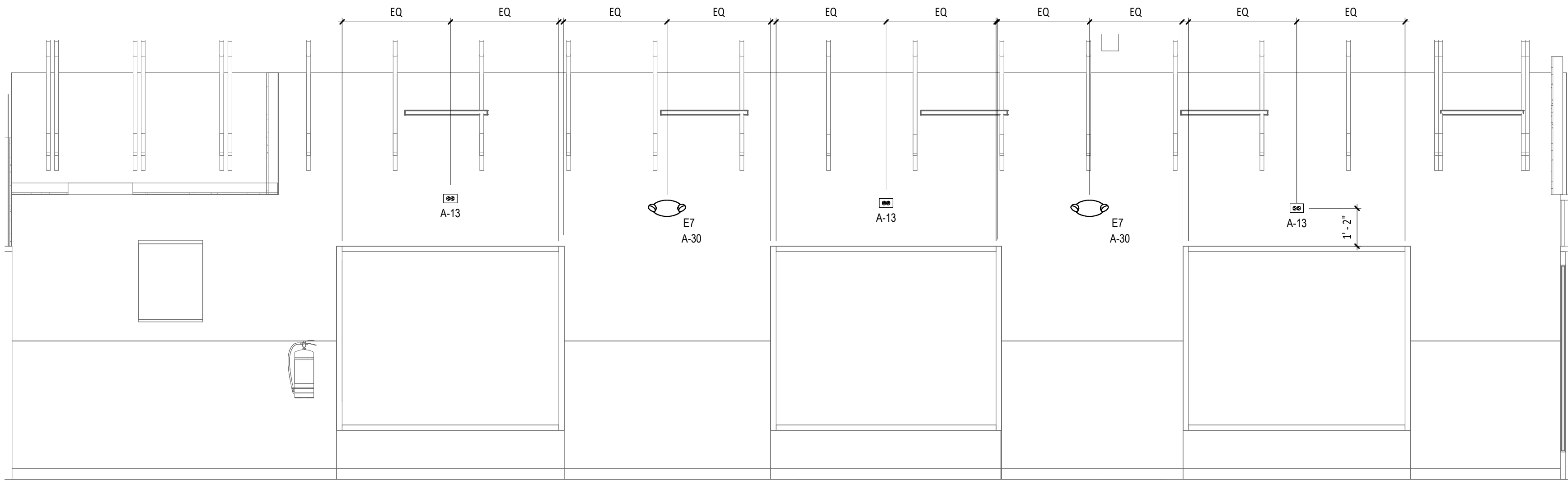
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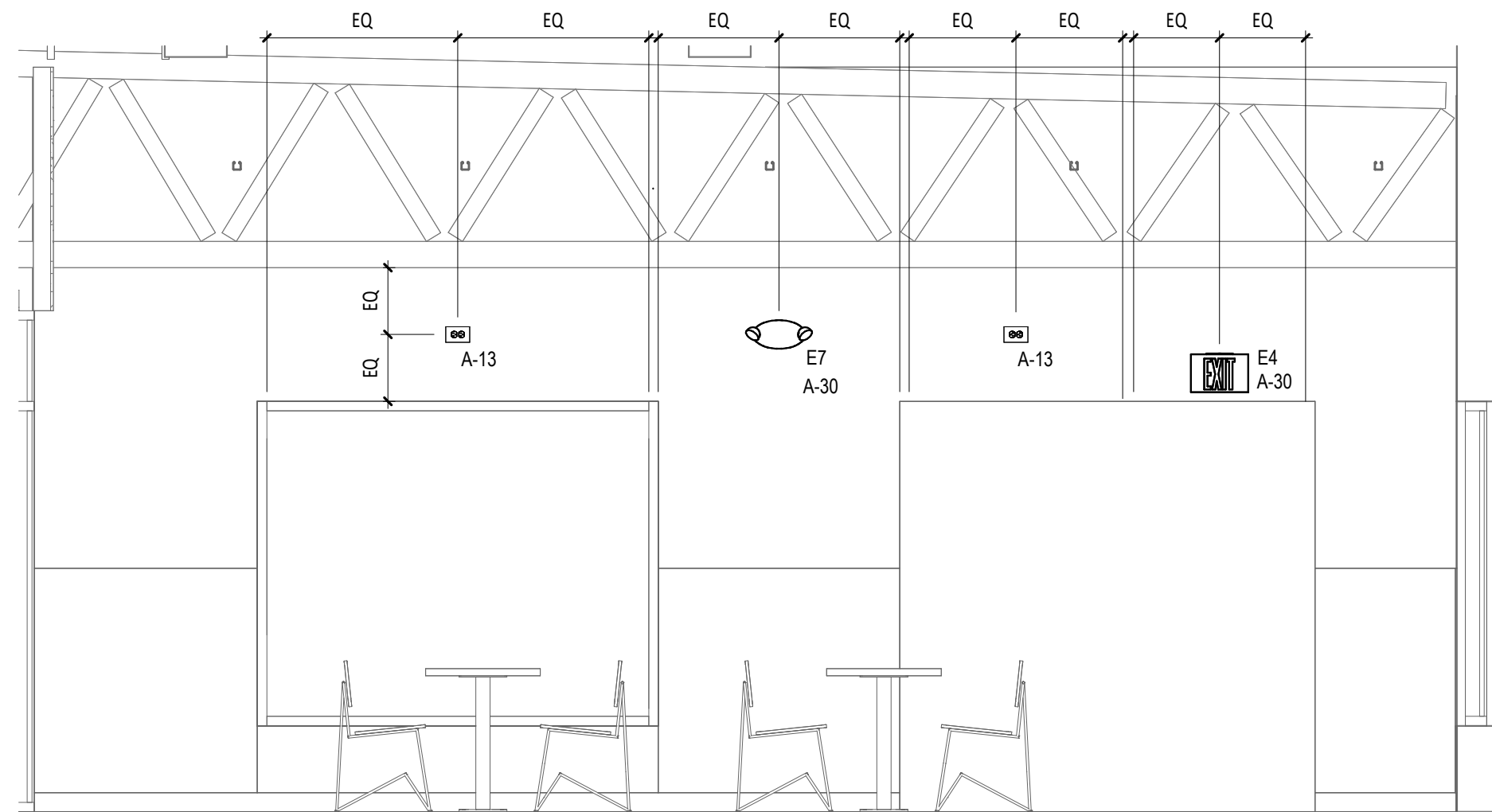
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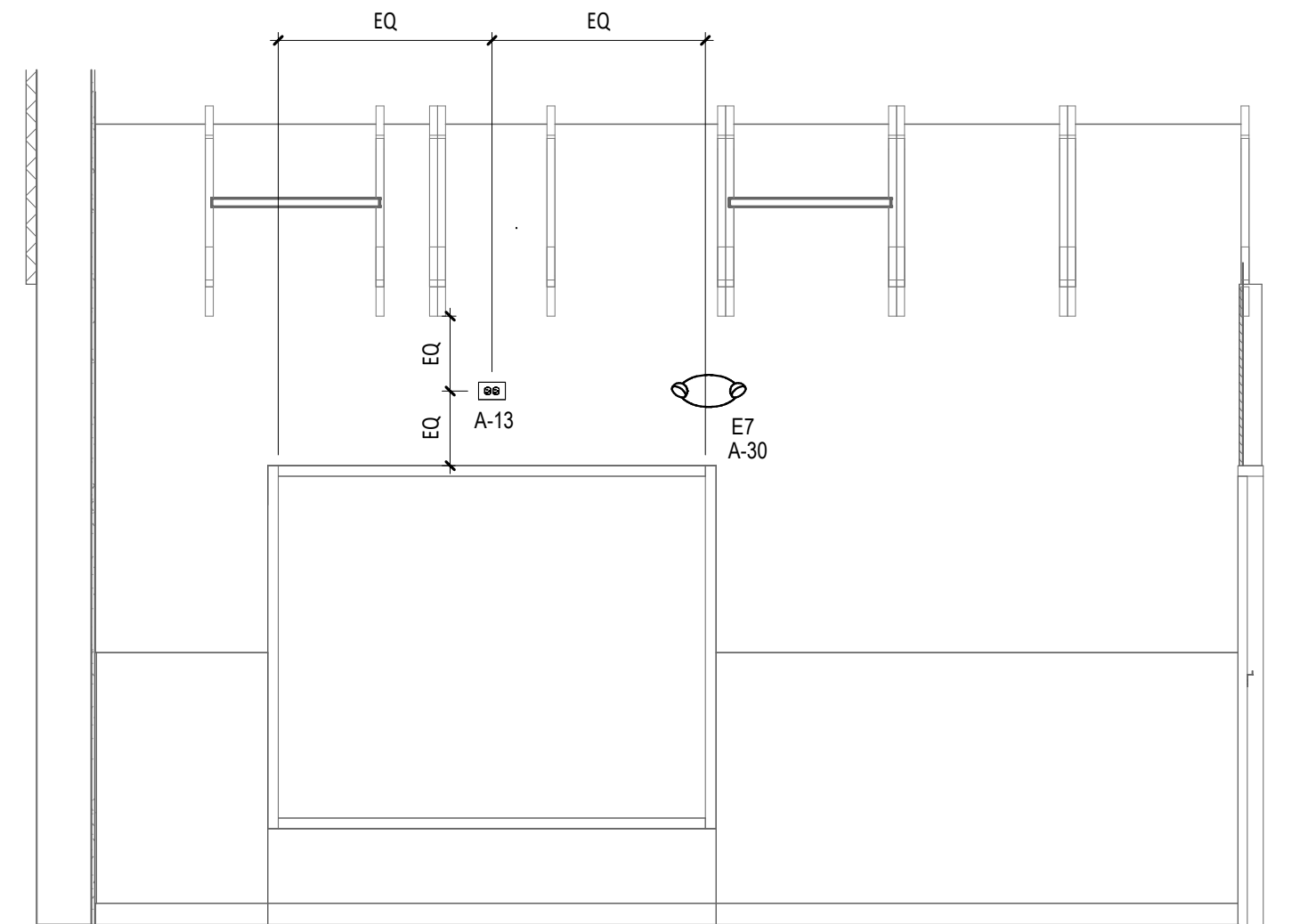




3 Dining Room Electrical Elevation
3/8" = 1'-0"



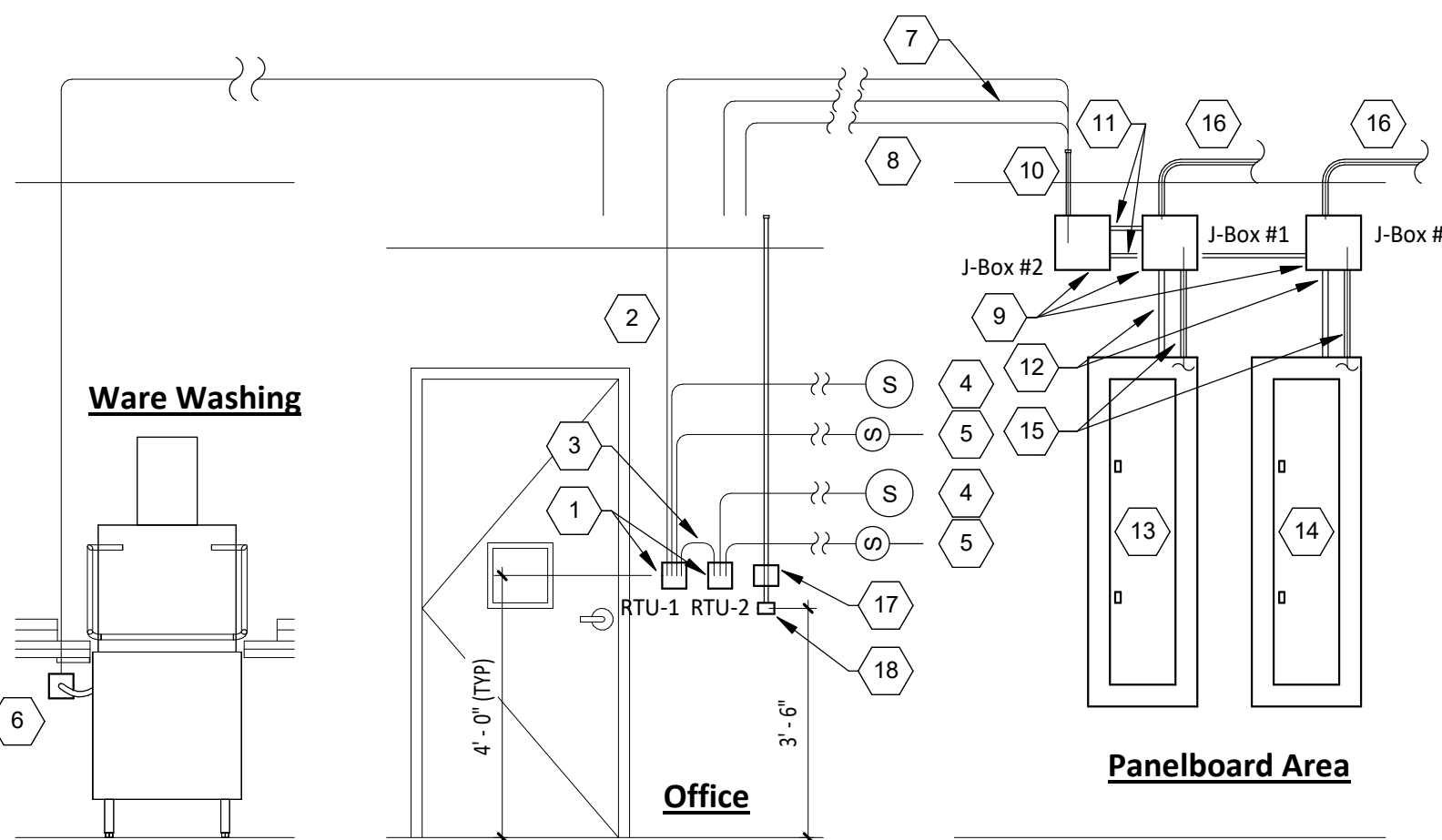
2 Dining Room Electrical Elevation
3/8" = 1'-0"



1 Dining Room Electrical Elevation
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 "RS-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

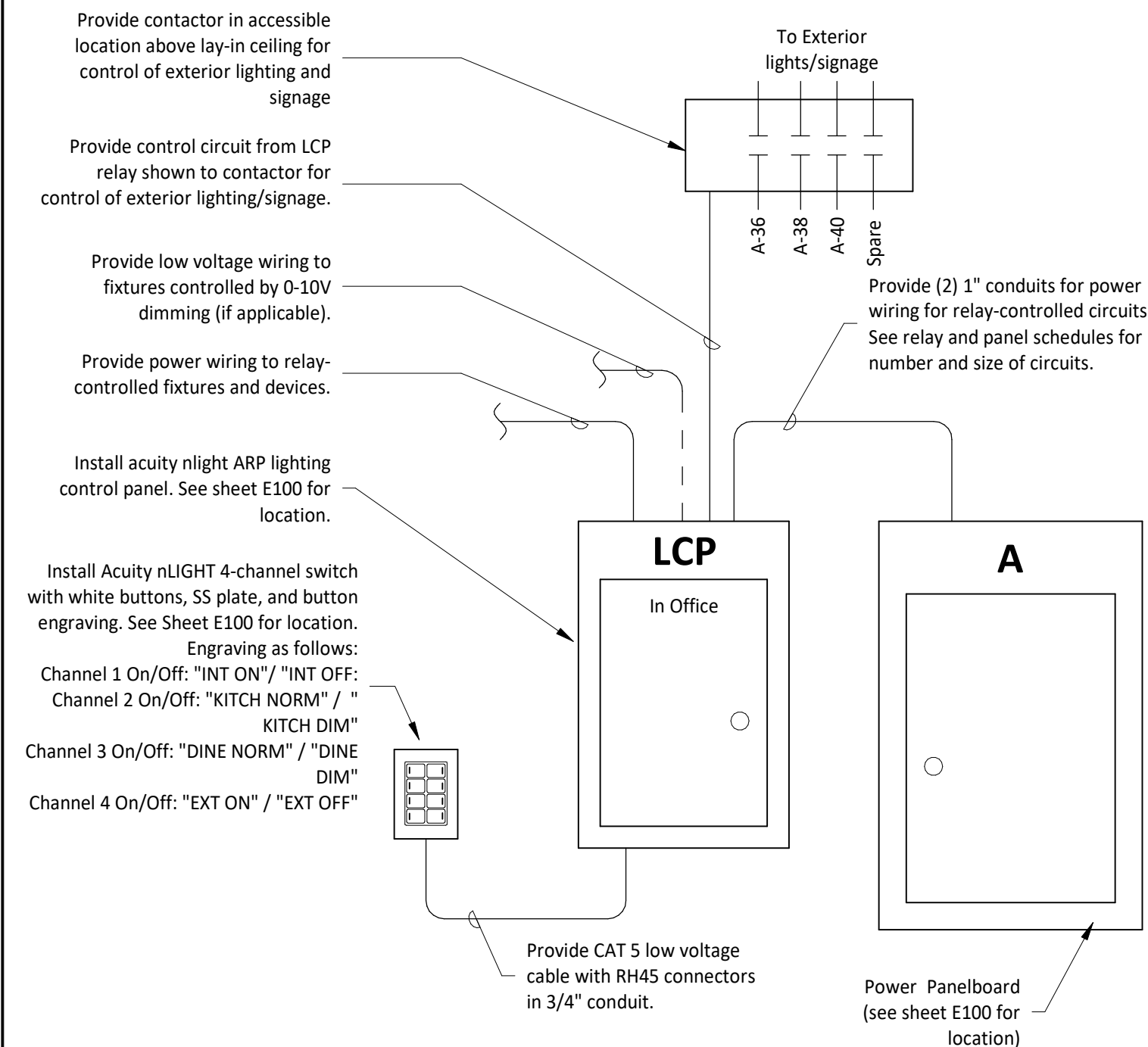
Sequence of Operations

- 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	

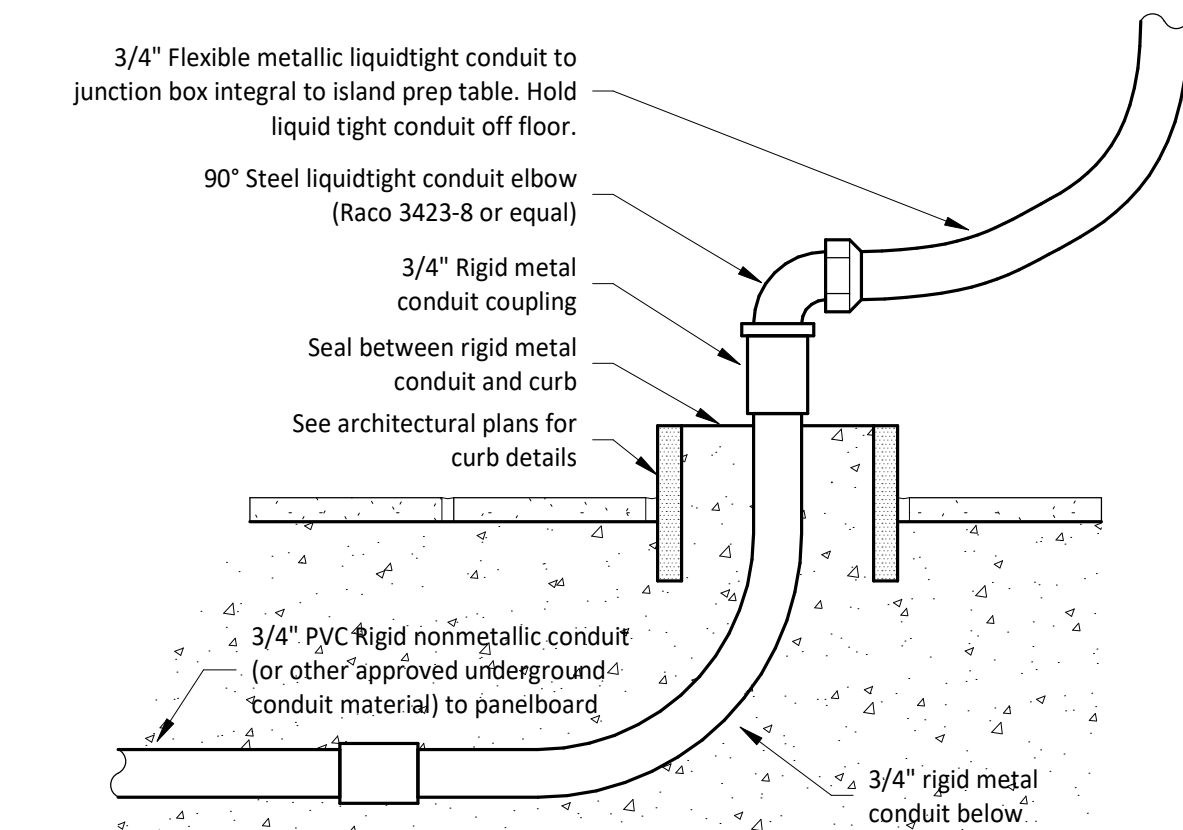
- Strobe
84" AFF
Install strobe with wiring to CO2 detector SEU or RDU (furnished by CO2AS) (if required). Provide 3/4" conduit in wall from strobe location to above ceiling to conceal wiring.
- CO2 tank (bulk tank or canisters)
Provide GFCI receptacle J-Box adjacent to the CO2 tank/bag-in-box as shown on the electrical power plan.
- Receptacle
21" AFF
CO2 Detector/J-Box
12" AFF
Install CO2 meter RAD-0102-06 carbon dioxide storage safety alarm SEU (furnished by CO2AS) adjacent to the CO2 tank/bag-in-box as shown.
- Connect the system power to the receptacle as shown. Install cable to minimize slack at CO2 detector. Secure cable to wall.
- At SEU J-Box, install mounting plate to top screw hole of J-Box with the mounting plate extending up above the top of the J-Box in the orientation shown.

4 CO2 Alarm Detail
E710 NOT TO SCALE

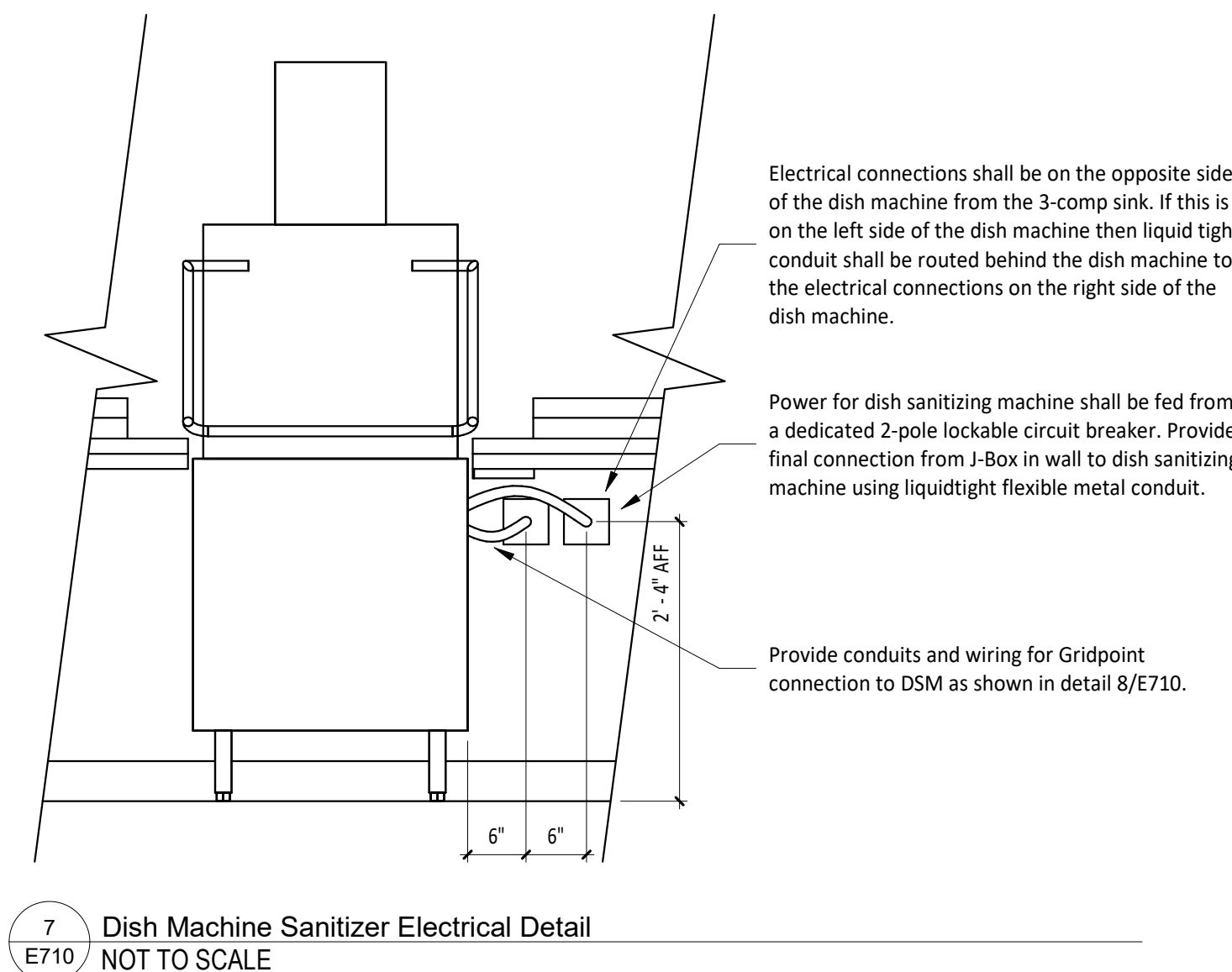


6 Lighting Control Diagram
E710 NOT TO SCALE

5 Not Used
E710 NOT TO SCALE



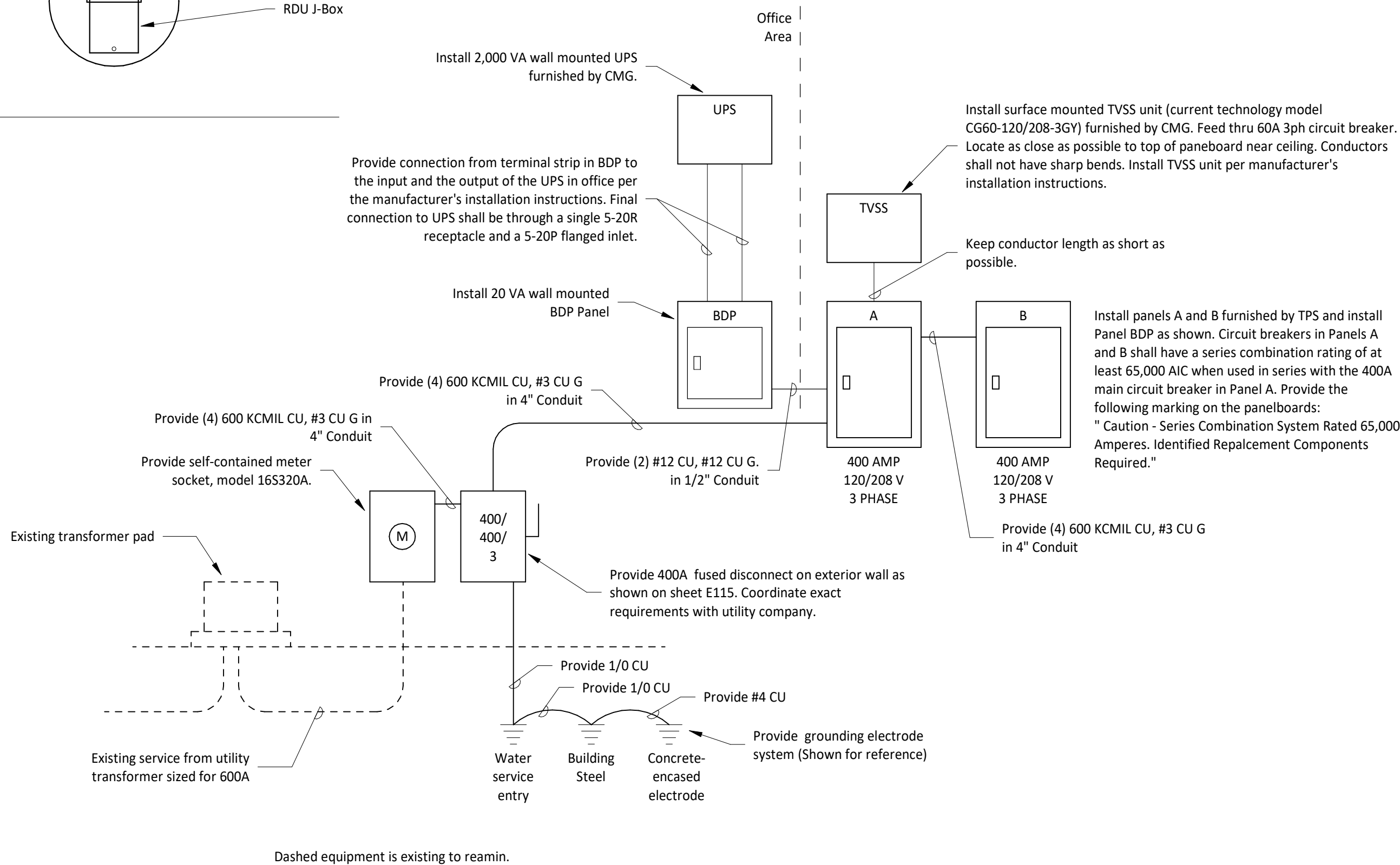
2 Pedestal Outlet Detail
E710 NOT TO SCALE



7 Dish Machine Sanitizer Electrical Detail
NOT TO SCALE

- Terminate conduits above ceiling with conduit bushings. Typical.
- Provide continuous CAT5 cable with RJ45 connector on each end from the SEU to the RDU and from each strobe to a SEU/RDU (if required). CAT5 cables shall not be spliced.
- Provide 1" conduits concealed in wall from SEU and RDU J-Box to above the lay-in ceiling. All CO2 monitor cabling (other than the SEU power cable) shall be concealed within conduits.
- Install CO2 alarm RDU (furnished by CO2AS) at entrance to the CO2 storage area as shown.
- CO2 Remote Display Unit/J-Box
48" AFF
Provide junction box at entrance to the CO2 storage area as shown on the electrical power plan.
- At RDU J-Box, install mounting plate to top screw hole of J-Box with the mounting plate extending down below the top of the J-Box in the orientation shown.

3 Bypass Distribution Panel Wiring Diagram
E710 NOT TO SCALE



1 Main Distribution Diagram
E710 NOT TO SCALE

CLIENT:



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PROJECT INFORMATION:

STORE NO.: 5558
"Chipotle Owatonna"
135 Allan Ave SW
Owatonna, MN 55060

SEAL:

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

PRINT NAME: TIBEBU, B. OGETO

SIGNATURE:

DATE 01/03/2025 LIC NO. 63166

PROJECT NO. 2024-0266
DRAWN BY AA
CHECKED BY DRS

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12/02/2024 CONSTRUCTION SET

REVISIONS:
4 11/12/2024 CLIENT UPDATES

TITLE:
Electrical Details

SHEET NUMBER:

E710