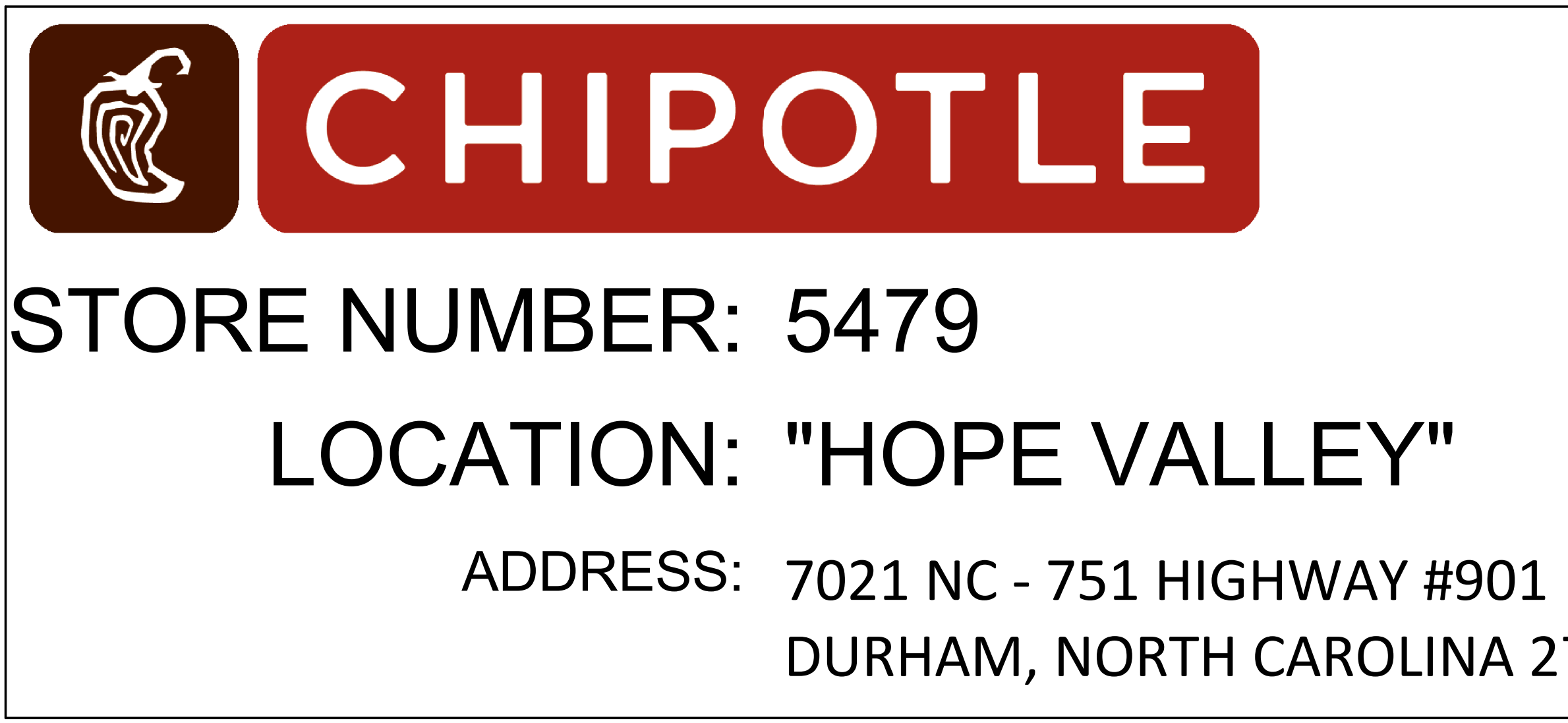


PROJECT GENERAL NOTES	
A. IN ADDITION TO THE GENERAL NOTES LISTED HEREIN, THE LATEST EDITION OF AIA DOCUMENT A201 GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION SHALL APPLY. B. WORK SHALL BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL CODES, ORDINANCES, LAWS AND REQUIREMENTS. C. WORK, WHEN COMPLETED, SHALL CONFORM TO THE AMERICANS WITH DISABILITY ACT AND LOCAL ACCESSIBILITY REQUIREMENTS. D. THE CONSTRUCTION DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. COORDINATE PORTIONS OF WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS. E. THE CONSTRUCTION DOCUMENTS, AS DEFINED BY THE DRAWING AND SPECIFICATION INDEX, ARE NOT INTENDED TO DEFINE THE TOTAL PROJECT. PARTIAL PLANS OR SPECIFICATIONS SHOULD NOT BE ISSUED BY ANY PARTIES FOR BIDDING OR CONSTRUCTION. F. IT IS THE INTENT OF THE CONSTRUCTION DOCUMENTS TO DESCRIBE A COMPLETE AND FINISHED PROJECT, OTHER THAN ITEMS NOTED "NIC" (NOT IN CONTRACT), ERRORS, OMISSIONS AND INCONSISTENCIES THAT MAY OCCUR BETWEEN THE CONSTRUCTION DOCUMENTS AND/OR EXISTING CONDITIONS SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ARCHITECT IN WRITING AND WRITTEN INSTRUCTIONS SHALL BE OBTAINED PRIOR TO PROCEEDING WITH THE WORK. THE GENERAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE RESULTS OF ANY ERRORS, DISCREPANCIES AND/OR OMISSIONS WHICH THE GENERAL CONTRACTOR FAILED TO NOTIFY THE ARCHITECT PRIOR TO CONSTRUCTION AND/OR FABRICATION OF THE WORK. G. GENERAL CONTRACTOR SHALL INCLUDE AND PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, TRANSPORTATION AND PAY EXPENSES INCURRED IN THE PROPER COMPLETION OF WORK UNLESS SPECIFICALLY NOTED TO BE THE WORK OF OTHERS. GENERAL CONTRACTOR SHALL PERFORM WORK NECESSARY FOR PRODUCTION OF A COMPLETE, HABITABLE PROJECT AS DEFINED BY THE SCOPE OF WORK. H. DO NOT SCALE DRAWINGS. BIDDER (CONTRACTOR) SHALL VERIFY CONDITIONS AND DIMENSIONS AT JOB SITE PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES ARE FOUND, WHETHER BUILD OR NOT, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION BEFORE COMMENCING WORK. I. THE STATED DIMENSIONS SHALL TAKE PRECEDENCE OVER GRAPHIC. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCY IMMEDIATELY. J. NOTE THAT ERRORS IN THE TRANSMISSION OR REPRODUCTION OF THESE CONSTRUCTION DOCUMENTS COULD RESULT IN ALTERATIONS TO LINE TYPES, THICKNESSES, TONES, COLORS, HATCH PATTERNS AND SCALE. WILKUS ARCHITECTS IS NOT RESPONSIBLE FOR ANY CLAIMS, DAMAGES OR EXPENSES ARISING FROM THE UNAUTHORIZED USE OF THE INFORMATION CONTAINED WITHIN. K. IF THE CONSTRUCTION DOCUMENTS APPEAR TO BE UNCLEAR, AMBIGUOUS OR CONTRADICTORY, AND IN THE EVENT THAT THE CONTRACTOR, OR SUBCONTRACTOR, HAS ANY QUESTION 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 SUBMIT REQUESTS 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 WITHIN 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 SET FORTH IN THE REQUEST. 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. L. ANY DIMENSIONS, DETAILS, NOTES OR CONDITIONS APPLY TO ONE UNIT, APPLY TO ALL UNITS IN LIKE SITUATIONS, UNLESS NOTED OTHERWISE. M. 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 COMPLETE AND OPERATIONAL INSTALLATION, UNLESS NOTED OTHERWISE. N. 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. O. PRODUCTS THAT HAVE BEEN USED IN PREPARING THESE DOCUMENTS, ARE TO ESTABLISH MINIMUM QUALITIES. PROPOSED SUBSTITUTIONS MUST MEET THE SAME 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. P. 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. Q. NOTIFY ALL PARTIES IF HAZARDOUS MATERIALS ARE SUSPECTED OR FOUND TO BE PRESENT. R. NOTIFY ARCHITECT IMMEDIATELY OF EXISTING CONDITIONS THAT ARE EXPOSED DURING CONSTRUCTION THAT MAY IMPACT ANY PROPOSED NEW WORK. S. 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. T. GENERAL CONTRACTOR TO PROVIDE TEMPORARY BARRICADES, WINDOW BARRELS AND DUST CONTROL AS REQUIRED BY CLIENT, LANDLORD OR AUTHORITY HAVING JURISDICTION FOR THE DURATION OF CONSTRUCTION. VEHICULAR ACCESS MUST BE PROVIDED AND MAINTAINED SERVICEABLE THROUGHOUT CONSTRUCTION. V. THROUGHOUT THE PROJECT, THE GENERAL CONTRACTOR SHALL CLOSELY SUPERVISE THE WORK OF SUBCONTRACTORS AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS AND TECHNIQUES, INCLUDING SAFETY PROCEDURES AND FOR COORDINATING/SEQUENCING TRADES. W. 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. X. ALL CONTRACTORS FOR THE WORK ARE REQUIRED TO HAVE INSURANCE OF ALL TYPES AND LIMITS, AS REQUIRED FOR THIS PROJECT. Y. ALL ENGINEERED CONSTRUCTION DOCUMENTS BY OTHERS FOR ADDITIONAL PERTINENT INFORMATION. Z. ABBREVIATIONS ARE PER THE UNITED STATES NATIONAL CAD STANDARD - FOUND IN MODULE 5 - TERMS AND ABBREVIATIONS. AA. REFER TO INDIVIDUAL DRAWINGS WITHIN THIS SET OF CONSTRUCTION DOCUMENTS FOR ADDITIONAL GENERAL NOTES.	CC. GENERAL CONTRACTOR IS RESPONSIBLE TO CONTACT CHIPTOLE CONSTRUCTION MANAGER TO VERIFY, COORDINATE AND COMPLY, DURING THE BIDDING PHASE, WITH REQUIREMENTS INCLUDING, BUT NOT LIMITED TO BARRICADES, STAGING, CONSTRUCTION PROCEDURES, USE OF MANDATED SUBCONTRACTORS, DEBRIS REMOVAL, RESTRICTED HOURS OF CONSTRUCTION, SECURITY, UTILITIES, ETC. DD. GENERAL CONTRACTOR SHALL FURNISH AND INSTALL ITEMS WHICH ARE OBVIOUS AND NECESSARY TO ENSURE QUALITY WORKMANSHIP AND INSTALLATION, EVEN IF NOT SPECIFICALLY MENTIONED IN THE DRAWINGS, INCLUDING BUT NOT LIMITED TO BLOCKING AND BRACING. EE. ANY DEVIATION FROM THESE CONSTRUCTION DOCUMENTS ON THE PART OF THE GENERAL CONTRACTOR, ANY SUBCONTRACTOR, VENDOR AND/OR SUPPLIER, OR USE OF THESE CONSTRUCTION DOCUMENTS FOR USE AT ANY LOCATION OTHER THAN THAT FOR WHICH THEY WERE INTENDED, SHALL RELEASE WILKUS ARCHITECTS, AND ITS SUBSIDIARIES, AND THEIR OFFICERS, DIRECTORS, SHAREHOLDERS, AGENTS, EMPLOYEES, REPRESENTATIVES, SUCCESSORS AND ASSIGNEES, FROM ANY AND ALL LIABILITY INCURRED IN LITIGATION OR OTHERWISE WITH RESPECT TO THE CONSTRUCTION OF THIS PROJECT. FF. GENERAL CONTRACTOR IS RESPONSIBLE FOR THEIR WORK AND THAT OF THEIR SUBCONTRACTORS FOR THE LOSSES OR 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 AND HEALTH. HH. GENERAL CONTRACTOR IS RESPONSIBLE TO CARRY WORKER'S COMPENSATION AS REQUIRED BY LAW AND/OR GOVERNING AUTHORITY. II. GENERAL CONTRACTOR IS RESPONSIBLE FOR THE SAFETY AND CARE OF ADJACENT PROPERTIES DURING CONSTRUCTION. JJ. GENERAL CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A COMPLETE AS-BUILT SET OF CONSTRUCTION DRAWINGS AT THE JOB SITE AND TURNING THE AS-BUILT DRAWINGS OVER TO THE CLIENT UPON COMPLETION OF THE PROJECT. KK. THE APPROVED PLANS (FOR CONSTRUCTION SET) SHALL BE KEPT ON SITE AT ALL TIMES, INCLUDING ALL ADDENDA, SUPPLEMENTAL INSTRUCTIONS, CHANGE ORDERS, COPIES OF APPROVED SUBMITTALS, ETC. LL. IF REQUIRED, THE GENERAL CONTRACTOR SHALL PROVIDE SCHEDULING AND/OR COORDINATION WITH THE APPROPRIATE REPRESENTATIVE FOR THE FOLLOWING INSTALLATIONS OR PROCEEDINGS: - INSTALLATION OF CONDUIT AND PIPING IN OR BELOW THE FLOOR SLAB - CONNECTIONS TO DOMESTIC WATER, SANITARY AND GREASE WASTE, SANITARY VENT AND SMOKE/FIRE ALARMS. - INSTALLATION OF PRIMARY DUCTWORK, VAV BOXES AND CONTROLS. - PRE-GRADING/GRADING OF THE VAV BOX AREAS AND SENSORS. - ANY WORK REQUIRED AT THE BUILDING SWITCHGEAR. - HARDWARE AND SOFTWARE MODIFICATIONS TO COMPLETE THE INTERFACE WITH BASE BUILDING LIFE SAFETY SYSTEM. UPON SUBSTANTIAL COMPLETION OF WORK IN THE PREMISES, CLIENT AND CONTRACTOR SHALL CONDUCT A FINAL VISUAL INSPECTION AND PREPARE A PUNCHLIST WHICH ENUMERATES ANY AREAS OF CONSTRUCTION, FIXITURING, LIGHTING OR LAMPING, MERCHANDISING, ETC., THAT ARE NOT IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. ANY STOREFRONT BARRICADE MAY NOT BE REMOVED UNTIL THE FINAL 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 BE RESPONSIBLE FOR COORDINATING AND 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 ACCEPTED 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 HAZARDOUS 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 FULL CONFORMER CONDITION TO RECEIVE SUBSEQUENT 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 CONDITION DEVELOPED WITHIN THE SCOPE OF WORK OF THIS CONTRACT (DEMOLITION OR NEW CONSTRUCTION) SHALL BE CORRECTED AND/OR MITIGATED BY THE GENERAL CONTRACTOR PRIOR TO ADDITIONAL WORK. SS. CONTACT BETWEEN DISSIMILAR METALS SHALL BE LIMITED, WHEN REQUIRED, THE CONTACT SHALL BE PROTECTED AS REQUIRED. TT. ALL SHUTDOWNS OF MECHANICAL, PLUMBING, ELECTRICAL, FIRE ALARM AND/OR FIRE SPRINKLER SYSTEMS SHALL BE COORDINATED WITH THE LANDLORD AND COMPLY WITH THE AUTHORITY HAVING JURISDICTION'S REQUIREMENTS FOR NOTIFICATION, FIRE WATCH, RE-TESTING, ETC. REMOVE COMBUSTIBLE RUBBISH DURING CONSTRUCTION FROM THE PROJECT LIMITS CONTINUOUSLY AND DISPOSE OF IN A LEGAL MANNER. 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. VV. AT THE TIME OF PROJECT COMPLETION, THE PROJECT LIMITS ARE TO BE THOROUGHLY CLEANED PRIOR TO TURNOVER TO CLIENT.
SYMBOL LEGEND	
	EXTERIOR ELEVATION MARKER
	INTERIOR ELEVATION MARKER
	SECTION MARKER
	SECTION / DETAIL



SITE MAP

HWY 54

HWY 751

CHIPOTLE

N

LOCATION MAP

CHIPOTLE "HOPE VALLEY"

SCOPE OF WORK	
TENANT INTERIOR FIT OUT OF AN EXISTING VACANT SHELL SPACE. WORK INCLUDES, BUT IS NOT LIMITED TO, DEMOLITION OF EXISTING SPACE, 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	
<u>NOTE TO GENERAL COORDINATOR</u> FOR ALL WATER, SEWER, NATURAL GAS, & ELECTRICITY UTILITIES CONTACT THE FOLLOWING	EBI CONSULTING 21 B ST. BURLINGTON, MA 01803 CONTACT: JOSE VERA E: jvera@ebiconsulting.com T: (787) 344-1439

PROJECT TEAM	
<u>LANDLORD</u> LITTLE BEAR LLC 1 FENTON MAIN STREET, SUITE 480 CARY, NC 27511 CONTACT : AMY WATKINS E: amy.watkins@cushwake.com P: (919) 630-1629	<u>TENANT</u> CHIPOTLE MEXICAN GRILL 800 NEIL AVENUE, SUITE 400 COLUMBUS, OH 43215 CONTACT: HEATHER KOCH E: heather.koch@chipotle.com T: (380) 222-7248 C: (614) 816-1382
<u>ARCHITECT</u> WILKUS ARCHITECTS, P.A. 15 NINTH AVENUE NORTH HOPKINS, MN 55343 CONTACT: DUSTY AUSTIN E: dia@wilkusarch.com T: (952) 843-5048	<u>MECHANICAL ELECTRICAL PLUMBING ENGINEER</u> NATIONAL ENGINEERING, LTD. 4635 TRUEMAN BLVD., SUITE 250 HILLARD, OH 43026 CONTACT: JOE JONES E: jjones@nationallengineering.com T: (614) 328-2024
<u>STRUCTURAL ENGINEER</u> VAA ENGINEERING 2300 BERKSHIRE LANE N, SUITE 200 PLYMOUTH, MN 55441 CONTACT: TERRY MAHR E: tmahr@vaaeng.com T: (763) 577-9119	

REGULATORY AUTHORITIES

ZONING DEPARTMENT

DURHAM - PLANNING DEPARTMENT
101 CITY HALL PLAZA
DURHAM, NC 27701

CONTACT: MICHAEL STOCK
E: MICHAEL.STOCK@DURHAMNC.GOV
T: (919) 560-4137

FIRE DEPARTMENT

CITY-COUNTY INSPECTIONS
101 CITY HALL PLAZA
DURHAM, NC 27701

CONTACT: HERALD GOOD
E: HERALD.GOOD@DURHAMNC.GOV
T: (919) 560-1199

HEALTH DEPARTMENT

NORTH CAROLINA DEPARTMENT
OF HEALTH AND HUMAN SERVICES
5605 SIX FORKS RD
RALEIGH, NC 27609

CONTACT: MONIQUE TALTON
E: MONIQUE.TALTON@DHHS.NC.GOV
T: (917) 707-5864

BUILDING DEPARTMENT

CITY-COUNTY INSPECTIONS
101 CITY HALL PLAZA
DURHAM, NC 27701

CONTACT: THOMAS HOSEY
E: THOMAS.HOSEY@DURHAMNC.GOV
T: (919) 560-4145

WATER UTILITY

WATER MANAGEMENT
101 CITY PLAZA
DURHAM, NC 27701

CONTACT: JUNIOR MOBLEY
E: JUNIOR.MOBLEY@DURHAMNC.GOV
T: (919) 560-4344

TELEPHONE UTILITY

SPECTRUM
1515 N POINTE DR
DURHAM, NC 2770

CONTACT:
T: (866) 874-2389

SIGNAGE VENDOR

SIGNAGE VENDOR
ADCON
3725 CANAL DRIVE
FORT COLLINS, CO 80524

CONTACT : KRISTI MARRIOTT
E: kmarrriott@adcon-signs.com
P: (970) 484-3637

SHEET INDEX					
SHEET NO.	SHEET NAME	REVISION			
		1	2	3	4
GENERAL					
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G001	APPENDIX B				
G002	APPENDIX B				
G003	CODE ANALYSIS - LIFE SAFETY PLAN		•		
G004	ACCESSIBILITY STANDARDS				
SPECIFICATIONS					
G010	ARCHITECTURAL SPECIFICATIONS				
G011	ARCHITECTURAL SPECIFICATIONS				
G012	ARCHITECTURAL SPECIFICATIONS				
G013	ARCHITECTURAL SPECIFICATIONS				
G014	ARCHITECTURAL SPECIFICATIONS				
G015	ARCHITECTURAL SPECIFICATIONS				
G016	ARCHITECTURAL SPECIFICATIONS				
G017	ARCHITECTURAL SPECIFICATIONS				
ARCHITECTURAL					
D101	DEMOLITION PLAN	•			
SITE PLAN					
SP100	SITE PLAN	•		•	
SP101	SITE DETAILS	•			
ARCHITECTURAL					
A101	SLAB WORK PLAN				
A110	ARCHITECTURAL FLOOR PLAN		•		
A111	ARCHITECTURAL WALL TYPES				
A120	FINISH PLAN				
A130	FF&E PLAN		•		
A131	FF&E SCHEDULES				
A140	ARCHITECTURAL ROOF PLAN				
A201	REFLECTED CEILING PLAN				•
A202	ENLARGED CEILING PLANS				
A210	CEILING DETAILS				
A211	LIGHTING DETAILS				
A301	EXTERIOR ELEVATIONS				•
A502	INTERIOR SECTIONS	•			
A601	DOOR & HARDWARE SCHEDULE		•		
A701	ELEVATIONS - INTERIOR DINING	•			
A702	ELEVATIONS - INTERIOR KITCHEN	•			
A710	RESTROOM INFORMATION				
A801	FINISH DETAILS - GENERAL				
A802	FINISH DETAILS - TILE				
A803	FINISH DETAILS - WOOD				
STRUCTURAL					
S000	GENERAL STRUCTURAL NOTES				
S100	SLAB ON GRADE PLAN AND DETAILS		•		
S200	EQUIP SUPPORT PLAN AND DETAILS				
HVAC					
M010	MECHANICAL SPECIFICATIONS				
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M110	HVAC PLAN GAS & CONDENSATE			•	
M600	HVAC SCHEDULES				
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PLUMBING					
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P100	PLUMBING PLAN WATER & GAS		•	•	
P110	PLUMBING PLAN WASTE & VENT			•	
P600	PLUMBING SCHEDULES				
P700	PLUMBING DETAILS			•	
ELECTRICAL					
E010	ELECTRICAL SPECIFICATIONS		•		
E100	ELECTRICAL LIGHTING PLAN		•		
E110	ELECTRICAL POWER PLAN		•		
E600	ELECTRICAL SCHEDULES				
E700	ELECTRICAL INTERIOR ELEVATIONS		•		
E705	ELECTRICAL INTERIOR ELEVATIONS				
E710	ELECTRICAL DETAILS		•		

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2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: Chipotle Mexican Grill - "Hope Valley"
Address: 7021 NC-751, Suite 903, Durham, NC 27707 Zip Code 28262
Owner/Authorized Agent: Chipotle Mexican Grill Phone # (919) 434 - 7416 E-Mail: mpalmer@chipotle.com
Owned By: ☐ City/County ☒ Private ☐ State
Code Enforcement Jurisdiction: ☒ City Durham ☒ County Durham ☐ State

CONTACT:				
DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #
Architectural	<u>Wilkus Architects, P.A.</u>	<u>Matt Wilkus</u>	<u>14006</u>	<u>(952) 843-7055</u>
Civil	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>(N/A)</u>
Electrical	<u>National Engineering</u>	<u>Rich Jones</u>	<u>031346</u>	<u>(614) 328-2024</u>
Fire Alarm	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>(N/A)</u>
Plumbing	<u>National Engineering</u>	<u>Rich Jones</u>	<u>031346</u>	<u>(614) 328-2024</u>
Mechanical	<u>National Engineering</u>	<u>Rich Jones</u>	<u>031346</u>	<u>(614) 328-2024</u>
Sprinkler-Standpipe	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>(N/A)</u>
Structural	<u>VAA Engineering</u>	<u>Kevin R. Full</u>	<u>055000</u>	<u>(507) 577-9119</u>
Retaining Walls >5' High	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>(N/A)</u>
Other	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>(N/A)</u>

(*Other* should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE: ☐ New Building ☐ Addition ☒ Renovation
☐ 1st Time Interior Completion
☐ Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements
☐ Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements

2018 NC EXISTING BUILDING CODE: EXISTING: ☒ Prescriptive ☐ Repair ☐ Chapter 14
Alteration: ☐ Level I ☐ Level II ☐ Level III
☐ Historic Property ☐ Change of Use

CONSTRUCTED: (date) Unknown CURRENT OCCUPANCY(S) (Ch. 3): Vacant
RENOVATED: (date) May 2022 PROPOSED OCCUPANCY(S) (Ch. 3): A-2 (Assembly) Restaurant

RISK CATEGORY (Table 1604.5): Current: ☐ I ☐ II ☐ III ☐ IV
Proposed: ☐ I ☒ II ☐ III ☐ IV

BASIC BUILDING DATA
Construction Type: ☐ I-A ☐ II-A ☐ III-A ☐ IV ☐ V-A
(check all that apply) ☐ I-B ☒ II-B ☐ III-B ☐ V-B
Sprinklers: ☒ No ☐ Partial ☐ Yes ☐ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
Standpipes: ☒ No ☐ Yes Class ☐ I ☐ II ☐ III ☐ Wet ☐ Dry
Fire District: ☒ No ☐ Yes Flood Hazard Area: ☒ No ☐ Yes
Special Inspections Required: ☐ No ☒ Yes (Contact the local inspection jurisdiction for additional procedures and requirements.)

2018 NC Administrative Code and Policies

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	REQ'D	RATING PROVIDED (w/REDUCTIONS)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses		0 HR	0 HR				
Bearing Walls							
Exterior							
North							
East							
West							
South							
Interior							
Nonbearing Walls and Partitions							
Exterior walls							
North							
East							
West							
South							
Interior walls and partitions							
Floor Construction							
Including supporting beams and joists							
Floor Ceiling Assembly		N/A	N/A				
Columns Supporting Floors							
Roof Construction, including supporting beams and joists							
Roof Ceiling Assembly							
Columns Supporting Roof							
Shaft Enclosures - Exit							
Shaft Enclosures - Other							
Corridor Separation							
Occupancy/Fire Barrier Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Smoke Partition							
Tenant/Dwelling Unit/ Sleeping Unit Separation							
Incidental Use Separation							

* Indicate section number permitting reduction

2018 NC Administrative Code and Policies

Gross Building Area Table

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
3 rd Floor	N/A	N/A	N/A
2 nd Floor	N/A	N/A	N/A
Mezzanine	N/A	N/A	N/A
1 st Floor	6,302 SF	0	6,302 SF
Basement	N/A	N/A	N/A
TOTAL	6,302 SF	0	6,302 SF

ALLOWABLE AREA

Primary Occupancy Classification(s):

Assembly ☒ A-1 ☒ A-2 ☐ A-3 ☐ A-4 ☐ A-5
Business ☒
Educational ☐
Factory ☐ F-1 Moderate ☐ F-2 Low
Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 Condition ☐ 1 ☐ 2
☐ I-2 Condition ☐ 1 ☐ 2
☐ I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ I-4
Mercantile ☐
Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
Utility and Miscellaneous ☐

Accessory Occupancy Classification(s):

N/A

Incidental Uses (Table 509):

N/A

Special Uses (Chapter 4 – List Code Sections):

N/A

Special Provisions (Chapter 5 – List Code Sections):

N/A

Mixed Occupancy: ☐ No ☒ Yes Separation: 2 Hr. Exception:

☐ Non-Separated Use (508.3) - The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

☒ Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

2,565	+	3,737	+		=	0.43	≤	1.00
9,500		23,000						

2018 NC Administrative Code and Policies

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
	Interior Tenant Build-Out Only, Existing Shell to Remain		

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: ☐ No ☒ Yes
Exit Signs: ☐ No ☒ Yes
Fire Alarm: ☒ No ☐ Yes
Smoke Detection Systems: ☐ No ☐ Yes ☒ Partial DUCT DETECTORS
Carbon Monoxide Detection: ☒ No ☐ Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: G003

☒ Fire and/or smoke rated wall locations (Chapter 7)
☐ Assumed and real property line locations (if not on the site plan)
☐ Exterior wall opening area with respect to distance to assumed property lines (705.8)
☒ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
☒ Occupant loads for each area
☒ Exit access travel distances (1017)
☒ Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
☒ Dead end lengths (1020.4)
☒ Clear exit widths for each exit door
☒ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
☒ Actual occupant load for each exit door
☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
☒ Location of doors with panic hardware (1010.1.10)
☐ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
☐ Location of doors with electromagnetic egress locks (1010.1.9.9)
☐ Location of doors equipped with hold-open devices
☐ Location of emergency escape windows (1030)
☒ The square footage of each fire area (202)
☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
☐ Note any code exceptions or table notes that may have been utilized regarding the items above

2018 NC Administrative Code and Policies

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 ¹ AREA	(C) AREA FOR FRONTAGE INCREASE ^{1,5}	(D) ALLOWABLE AREA PER STORY OR UNLIMITED ^{2,3}
1	A-2 (RESTAURANT)	2,565 SF	9,500 SF	N/A	9,500 SF
2	B (MEDICAL CLINIC)	3,737 SF	23,000 SF	N/A	23,000 SF

¹ Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)
b. Total Building Perimeter = _____ (P)
c. Ratio (F/P) = _____ (F/P)
d. W = Minimum width of public way = _____ (W)
e. Percent of frontage increase $I_f = 100[(F/P) - 0.25] \times W/30 =$ _____ (%)

² Unlimited area applicable under conditions of Section 507.

³ Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).

⁴ The maximum area of open parking garages must comply with Table 406.5.4.

⁵ Frontage increase is based on the unspinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE ¹
Building Height in Feet (Table 504.3) ²	55'-0"	25'-6"	504.3 & 504.4
Building Height in Stories (Table 504.4) ³	1	1	504.3 & 504.4

¹ Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

² The maximum height of air traffic control towers must comply with Table 412.3.1.

³ The maximum height of open parking garages must comply with Table 406.5.4.

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ACCESSIBLE DWELLING UNITS

(SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
N/A							→

ACCESSIBLE PARKING

(SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	PROVIDED	# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
			REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	8' ACCESS AISLE	
N/A			Interior Tenant Build-Out Only, Existing Shell and Site to Remain			
TOTAL						

PLUMBING FIXTURE REQUIREMENTS

(TABLE 2902.1)

USE		WATERCLOSETS			URINALS			LAVATORIES			SHOWERS /TUBS	DRINKING FOUNTAINS	
		MALE	FEMALE	UNSEX	MALE	FEMALE	UNSEX	MALE	FEMALE	UNSEX		REGULAR	ACCESSIBLE
SPACE	EXIST'G	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	NEW	0	0	2	N/A	0	0	2	N/A	0	2	N/A	N/A
	REQ'D	0	0	2	N/A	0	0	2	N/A	0	2	N/A	N/A

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)

Existing Shell to Remain

*Exception: Per 2018 NCPC section 410.4
Where restaurants, night clubs, taverns or bars provide drinking water in a container free of charge, drinking fountains shall not be required in those establishments

2018 NC Administrative Code and Policies

CONSULTANT:



CLIENT:



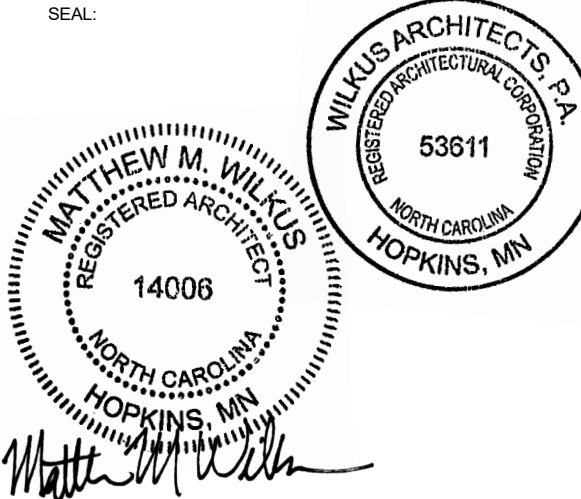
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PROJECT INFORMATION:

STORE NO.: 5479
"HOPE VALLEY"
7021 NC - 751 HIGHWAY #901
DURHAM, NORTH CAROLINA 27707

SEAL:



August 08, 2024

MATTHEW M. WILKUS
LICENSE #14006
(EXPIRES 06/30/2025)

PROJECT NO. 2024-0145

DRAWN BY SAS / KDRB

CHECKED BY DLA / MMW / KAM

ISSUE RECORD:

04/29/2024	HEALTH SUBMITTAL
05/28/2024	PERMIT SET
07/08/2024	BID SET
08/06/2024	CONSTRUCTION SET

REVISIONS:

TITLE:

APPENDIX B

SHEET NUMBER:

G001

ENERGY SUMMARY

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: N/A
☐ No ☐ Yes (The remainder of this section is not applicable)

Exempt Building: ☒ No ☐ Yes (Provide code or statutory reference):

Climate Zone: ☐ 3A ☒ 4A ☐ 5A

Method of Compliance: Energy Code ☐ Performance ☒ Prescriptive
ASHRAE 90.1 ☐ Performance ☐ Prescriptive
(If "Other" specify source here)

THERMAL ENVELOPE (Prescriptive method only)

Roof/Ceiling Assembly (each assembly)
Description of assembly:
U-Value of total assembly:
R-Value of insulation:
Skylights in each assembly:
U-Value of skylight:
total square footage of skylights in each assembly:

Exterior Walls (each assembly)
Description of assembly:
U-Value of total assembly:
R-Value of insulation:
Openings (windows or doors with glazing)
U-Value of assembly:
Solar heat gain coefficient:
projection factor:
Door R-Values:

Walls below grade (each assembly)
Description of assembly:
U-Value of total assembly:
R-Value of insulation:

Floors over unconditioned space (each assembly)
Description of assembly:
U-Value of total assembly:
R-Value of insulation:

Floors slab on grade
Description of assembly:
U-Value of total assembly:
R-Value of insulation:
Horizontal/vertical requirement:
slab heated:

Interior Tenant
Build-Out Only -
Existing Shell to
Remain

2018 NC Administrative Code and Policies

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
ELECTRICAL DESIGN
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Energy Code ☒ Performance ☐ Prescriptive
ASHRAE 90.1 ☐ Performance ☐ Prescriptive

Lighting schedule (each fixture type)
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage specified vs. allowed (whole building or space by space)
total exterior wattage specified vs. allowed

Additional Efficiency Package Options
(When using the 2018 NCECC; not required for ASHRAE 90.1)
☐ C406.2 More Efficient HVAC Equipment Performance
☒ C406.3 Reduced Lighting Power Density
☐ C406.4 Enhanced Digital Lighting Controls
☐ C406.5 On-Site Renewable Energy
☐ C406.6 Dedicated Outdoor Air System
☐ C406.7 Reduced Energy Use in Service Water Heating

2018 NC Administrative Code and Policies

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS:

Importance Factors: Snow (Is) 1.0
Seismic (Ie) 1.0

Live Loads: Roof 20 psf
Mezzanine - psf
Floor - psf

Ground Snow Load: 10 psf

Wind Load: Ultimate Wind Speed 115 mph (ASCE-7)
Exposure Category B

SEISMIC DESIGN CATEGORY: ☐ A ☒ B ☐ C ☐ D
Provide the following Seismic Design Parameters:
Risk Category (Table 1604.5) ☐ I ☒ II ☐ III ☐ IV
Spectral Response Acceleration Ss 19.1 %g S1 8.0 %g
Site Classification (ASCE 7) ☐ A ☐ B ☐ C ☒ D ☐ E ☐ F
Data Source: ☐ Field Test ☒ Presumptive ☐ Historical Data
Basic structural system ☒ Bearing Wall ☐ Dual w/Special Moment Frame
☐ Building Frame ☐ Dual w/Intermediate R/C or Special Steel
☐ Moment Frame ☐ Inverted Pendulum
Analysis Procedure: ☐ Simplified ☒ Equivalent Lateral Force ☐ Dynamic
Architectural, Mechanical, Components anchored? ☐ Yes ☒ No

LATERAL DESIGN CONTROL: Earthquake ☐ Wind ☒

SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) psf
Presumptive Bearing capacity 2000 psf
Pile size, type, and capacity NA

2018 NC Administrative Code and Policies

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
MECHANICAL DESIGN
(PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone
winter dry bulb:
summer dry bulb:

Interior design conditions
winter dry bulb:
summer dry bulb:
relative humidity:

Building heating load:

Building cooling load:

Mechanical Spacing Conditioning System
Unitary
description of unit:
heating efficiency:
cooling efficiency:
size category of unit:
Boiler
Size category. If oversized, state reason.:
Chiller
Size category. If oversized, state reason.:

List equipment efficiencies:

2018 NC Administrative Code and Policies

CONSULTANT:



CLIENT:



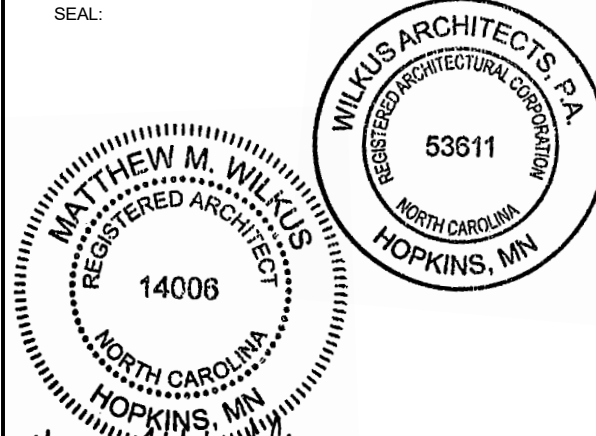
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PROJECT INFORMATION:

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DURHAM, NORTH CAROLINA 27707

SEAL:



MATTHEW M. WILKUS
REGISTERED ARCHITECT
NORTH CAROLINA
HOPKINS, MN
14006

August 08, 2024
MATTHEW M. WILKUS
LICENSE #14006
(EXPIRES 06/30/2025)

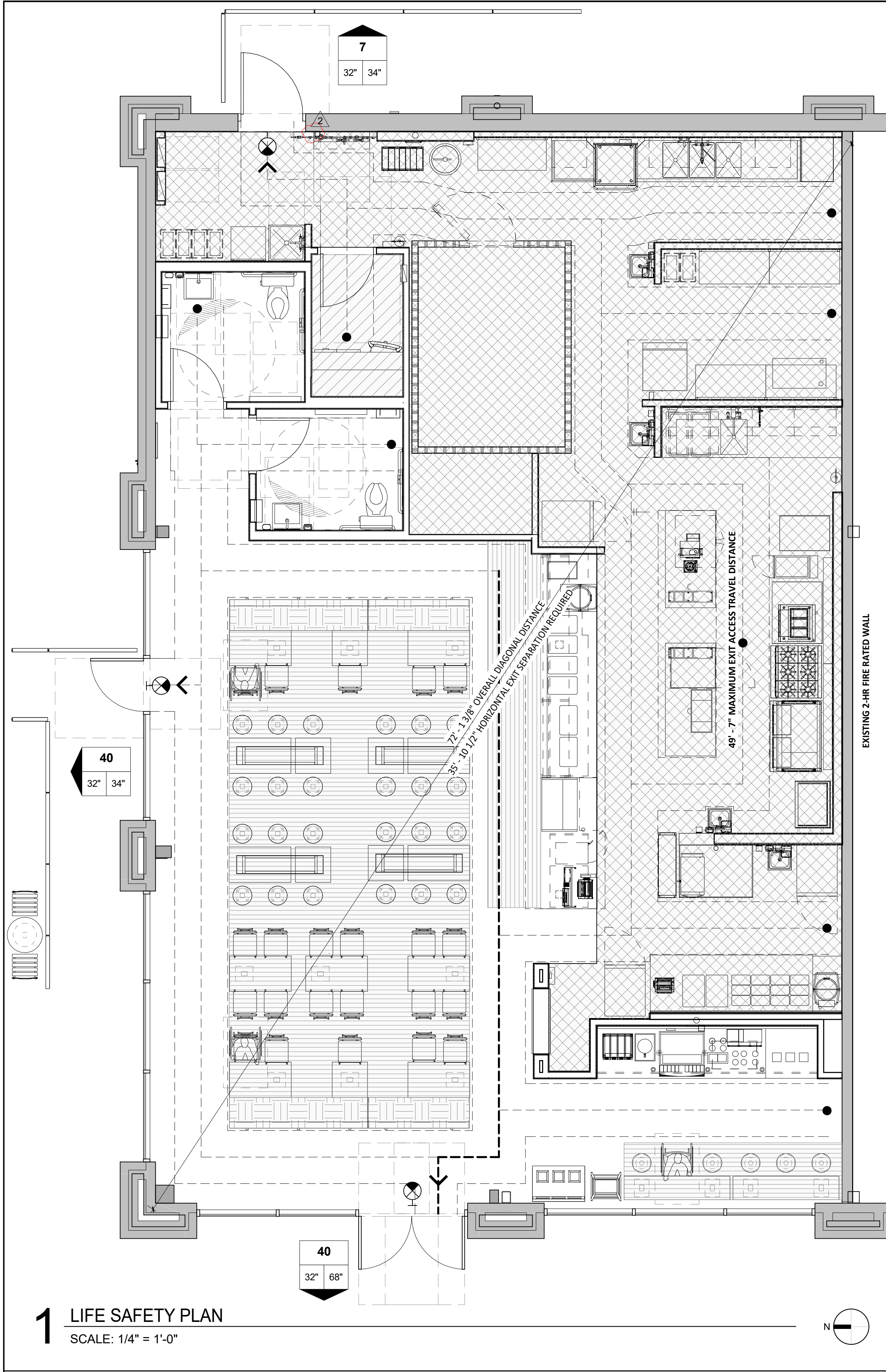
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ISSUE RECORD:
04/29/2024 HEALTH SUBMITTAL
05/28/2024 PERMIT SET
07/08/2024 BID SET
08/06/2024 CONSTRUCTION SET

REVISIONS:

TITLE:
APPENDIX B

SHEET NUMBER:
G002



LIFE SAFETY GENERAL NOTES

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

CODE ANALYSIS

APPLICABLE CODES AND REGULATIONS

*INCLUDES STATE AND LOCAL PROVISIONS TO THE BUILDING CODE	
BUILDING CODE:	2018 NORTH CAROLINA BUILDING CODE
MECHANICAL CODE:	2018 NORTH CAROLINA MECHANICAL CODE
PLUMBING CODE:	2018 NORTH CAROLINA PLUMBING CODE
ENERGY CODE:	2018 NORTH CAROLINA ENERGY CONSERVATION CODE
FUEL GAS CODE:	2018 NORTH CAROLINA FUEL GAS CODE
ELECTRICAL CODE:	2014 NORTH CAROLINA ELECTRICAL CODE AMENDMENTS
FIRE CODE:	2018 NORTH CAROLINA FIRE CODE
FOOD CODE:	2017 USDA FOOD CODE
ACCESSIBILITY CODE(S):	ICC A117.1-2009 ACCESSIBLE AND USABLE BUILDINGS

BASIS OF DESIGN

CONSTRUCTION TYPE	TYPE IIB
OCCUPANCY TYPE	A-2 & B, SEPARATED
AREA FACTOR	NON SPRINKLERED, SINGLE STORY
BUILDING AREA	6,302 SQ FT
OCCUPANT LOAD	87 OCC.

CH3 - OCCUPANCY CLASSIFICATION & USE

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

CH5 - GENERAL BUILDING HEIGHTS & AREAS

BUILDING OCCUPANCY CLASSIFICATION	A-2 & B
TENANT OCCUPANCY CLASSIFICATION	A-2
OCCUPANCY SEPARATION	SEPARATED
OCCUPANCY GROUP	GROUP A-2 & GROUP B
ALLOWABLE BUILDING HEIGHT	55'-0"
EXISTING BUILDING HEIGHT	25'-6"
At = BASIC ALLOWABLE AREA - BASED ON OCCUPANCY	At = 9,500 SQ. FT.
PROPOSED TENANT AREA	2,565 SQ. FT.
TOTAL EXISTING BUILDING AREA	6,302 SQ. FT.

CH6 - TYPES OF CONSTRUCTION

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

CH8 - INTERIOR FINISHES

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

CH9 - FIRE PROTECTION & LIFE SAFETY

SPRINKLER SYSTEM:	NON-SPRINKLERED
COMMENTS:	AUTOMATIC SPRINKLER SYSTEM NOT REQUIRED AS THE FIRE AREA DOES NOT EXCEED 5,000 SQ. FT. (464 M2).
FIRE ALARM & DETECTION SYSTEM:	NOT REQUIRED
FIRE EXTINGUISHERS:	PROVIDE AS REQUIRED BY A.H.J.

CH10 - MEANS OF EGRESS

FUNCTION OF SPACE	SQUARE FOOTAGE	LOAD FACTOR	OCCUPANT LOAD
STANDING SPACE	60	5 SF (NET)	12
FIXED SEATING	58 SEATS	1 SEAT/OCC.	58
FIXED SEATING - BOOTHS	250"	24" BOOTH LENGTH/OCC.	10
KITCHEN (COMM.)	1,053	200 SF (GROSS)	6
BUSINESS AREA	42	100 SF (GROSS)	1
POSTED OCCUPANT LOAD:			87

RESTAURANT SEATING COUNT	
INTERIOR SEATING COUNT	58
EXTERIOR (PATIO) SEATING COUNT	20
TOTAL SEATING COUNT	78

EGRESS REQUIREMENTS

	FACTOR	OCC. LOAD	REQ'D WIDTH	PROP. WIDTH
EXIT DOORS	0.2	87	32"	136"
EXITS PER OCC. LOAD	2 REQUIRED		3 PROVIDED	
DIAGONAL DISTANCE OF AREA SERVED			72'-5/8"	
REQUIRED EXIT SEPARATION DISTANCE			24'-0"	
MAXIMUM TRAVEL DISTANCE ALLOWED			200'-0"	
MAXIMUM TRAVEL DISTANCE PROVIDED			49'-7"	
MAXIMUM COMMON PATH OF TRAVEL ALLOWED			75'-0"	
MAXIMUM COMMON PATH OF TRAVEL PROVIDED			18'-9"	
MINIMUM PATH OF EGRESS TRAVEL WIDTH ALLOWED			36"	
PATH OF EGRESS TRAVEL WIDTH PROVIDED			36"	

CH29 - PLUMBING SYSTEMS

PLUMBING FIXTURE REQUIREMENTS - BASED ON OCCUPANT LOAD = 87 OCC.					
USE GROUP		REQ'D WC	PROP. WC	PROP. URINALS	PROP. LAVS
A-2	NON-GENDER SPECIFIC *	2	2	0	2
	REQUIRED FIXTURES				PROPOSED FIXTURES
	DRINKING FOUNTAINS **	0		0	
	SERVICE SINK	1		1	

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

** NCPC 410.4 - WHERE WATER IS SERVED IN RESTAURANTS, DRINKING FOUNTAINS SHALL NOT BE REQUIRED

CONSULTANT:



CLIENT:



CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182966
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PROJECT INFORMATION:

STORE NO.: 5479
"HOPE VALLEY"
7021 NC - 751 HIGHWAY #901
DURHAM, NORTH CAROLINA 27707

SEAL:



August 08, 2024

MATTHEW M. WILKUS
LICENSE #14006
(EXPIRES 06/30/2025)

PROJECT NO. 2024-0145

DRAWN BY SAS / KDRB

CHECKED BY DLA / MMW / KAM

ISSUE RECORD:

04/29/2024	HEALTH SUBMITTAL
05/28/2024	PERMIT SET
07/08/2024	BID SET
08/06/2024	CONSTRUCTION SET

REVISIONS:

2 07/08/2024 DB03 2024

TITLE:

CODE ANALYSIS -
LIFE SAFETY PLAN

SHEET NUMBER:

G003

ABBREVIATIONS

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

2.1 Materials: A. Resinous Flooring: Manufacturer: a/flooring 1. Contact: 1218 West 41st Street, Suite B, Tulsa, Oklahoma 74107. Phone: 918-445-0627 2.1 Flooring System: A. System Description: Clear, thin film system 18-22 mils thick with texture agent added for slip resistance. 1. TerraPrime: A 2 component, 100% solids clear polyamide-cured epoxy coating. 2. TerraThane Satin: A 2 component, 90% solids polyurea clear finish coat. 3. TerraGrip: A graded, plastic aggregate added to finish coat for slip resistance. 2.3 Product Substitutions: A. Substitutions: No substitutions permitted. 2.4 Source Quality: A. Source Quality: Obtain resinous materials, including patching and leveling materials from a single manufacturer. 3.1 Manufacturer's Instructions: A. Compliance: Comply with manufacturer's product data, including product technical data sheets and application instructions. 3.2 Examination: A. Site Verifications of Conditions: Verify substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions. 1. Before applying materials, inspect surfaces to receive new materials and report any unsatisfactory conditions. Absence of any such report shall constitute installer's acceptance of surfaces as satisfactory for installing materials. 3.3 Preparation: A. Adjacent Surfaces Protection: Protect adjacent work areas and finish surfaces from damage during product installation. B. Surface Preparation: 1. Mechanical Cleaning: Concrete floor surfaces receiving polymer flooring systems shall be thoroughly cleaned and prepared by shotblasting and/or diamond grinding. 2. Patching Damaged Substrate: Holes, voids, static cracks, and other substrate surface defects should be patched and repaired according to manufacturer's recommendations. 3. Prepare and clean control joints well and fill with an appropriate elastomeric. 3.4 Installation: A. Resinous Flooring Installation: The following are abbreviated guidelines that should provide for basic application steps for the installation of the systems. Detailed instructions should be obtained from the manufacturer. 1. Patching: After substrate preparation, surface defects shall be patched according to manufacturer's recommendations. 2. Priming: Apply a/flooring TerraPrime, 100% solids epoxy primer, at a rate of 125-150 square feet per gallon. Allow 6-12 hours (depending on temperatures) of cure before applying finish coat. Finish coat must be applied within 24 hours of TerraPrime application. 3. Finish Coat: Apply a/flooring TerraThane Satin, 90% solids polyurea topcoat, at a rate of 200 square feet per gallon. TerraGrip 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.	3.1 Installation A. Surface Conditions 1. Examine substrate, with installer present, for conditions affecting performance of finish. Correct conditions detrimental to timely and proper work. Do not proceed until unsatisfactory conditions are corrected. 2. Verify that base slab meets finish and surface profile requirements in Division 3 Section "Cast-In-Place Concrete," and Project Conditions above. 3. Prior to application, verify that floor surfaces are free of construction latents. B. Application The following RetroPlate process will be followed as listed below: A concrete grinding machine must be used. Please proceed accordingly. The process is as follows: 1. Floors should be started using 50, 80 or 100 grit diamond pucks depending on the condition of the slab. 2. Clean the floor using automatic scrubber or comparable. 3. Grind floor using 200 grit resin diamonds. 4. Clean the floor using automatic scrubber or comparable. 5. Apply RetroPlate 99 to floor at 200 sq. ft. per gallon, scrubbing product into the floor and allowing product to soak until turning slick. If it becomes sticky, apply water to the surface as necessary, leaving the product on the floor for at least 60 minutes. 6. Grind floor using 400 grit resin diamonds. 7. Clean the floor using automatic scrubber or comparable. 8. Clean and remove any excess RetroPlate. Let the floor dry overnight. 9. Continue the polishing process using 800 grit resin diamonds. 10. Clean the floor using automatic scrubber or comparable. 11. Alternately, depending on slab condition, grind floor using 1200-1500 grit resin diamonds. 12. Clean the floor using automatic scrubber or comparable. 13. The same process will be used for new floors as well as rehab floors. Floor prep for the rehab floors will be separate. 14. Apply an even coat of RetroGuard Sealer with a brush, roller, or low-pressure sprayer, and when surface is dry, burnish the floor with a black burnishing pad. Apply a second coat of RetroGuard one hour after the initial application, and again burnish the floor with a black burnishing pad. 15. Do not walk on surface for 12 hours, and do not introduce any water or moisture for at least 48 hours, allowing for proper drying and setting of RetroPlate and RetroGuard. Water will minimize the sealing properties of RetroPlate and RetroGuard. C. Start any of the floor finish applications in presence of manufacturer's technical representative. D. Sealing, Hardening and Polishing of Concrete Surface 1. Concrete must be in place a minimum of 28 days or as directed by the manufacturer before application can begin. 2. Application is to take place at least 10 days to the prior to racking and other in-store accessory installation, thus providing a complete, uninhibited concrete slab for application. 3. Only a certified applicator shall apply RetroPlate 99. Procedures must be followed as recommended by the product manufacturer and as required to match approved test sample. 4. Achieve waterproofing, hardening, dust-proofing, and abrasion resistance of the surface without changing the natural appearance of the concrete, except for the sheen. 5. Polish to a level 2 shine. E. Workmanship and Cleaning 1. The premises shall be kept clean and free of debris at all times. 2. Remove spatter from adjoining surfaces, as necessary. 3. Repair damages to surface caused by cleaning operations. 4. Remove debris from jobsite a. Dispose of materials in separate, closed containers in accordance with local regulations. DIVISION 4 - MASONRY SECTION 04810 - UNIT MASONRY ASSEMBLIES 1.1 General: Provide unit masonry assemblies as shown and specified. A. Standards: Materials and construction shall conform to the following: 1. ACI 530.1-02/ASCE 6-02/TMS 602-02 "Specifications for Masonry Structures." 2. NCMA "TEK Bulletins." 3. BIA "Technical Notes on Brick Construction." 2.1 Materials: A. Concrete Masonry Units (CMU): Size and thickness as shown on drawings. 1. ASTM C 90, load-bearing, normal weight, natural color CMU, properly cured at time of delivery, linear shrinkage not to exceed 0.065%. 2. Provide special shapes where required. 3. Provide exterior wall CMU containing an integral polymeric water-repellent admixture. a. Manufacturer: W. R. Grace "Dry-BlockR System Block Admix". B. Face Brick: 1. Manufacturer: a. Endicott, (402) 729-3315, www.endicott.com (Iron Spot Brick), or as approved by architect b. Belden Brick Company, (330) 451-2031, www.beldenbrick.com (White Brick), or as approved by architect 2. Type: "Face Brick C216" complying with ASTM C216, Grade SW, Type FBS. No efflorescence when tested in accordance with ASTM C67. 3. Size: Modular size, laying three courses to 8" vertically. 4. Color: "Alaska White Velour" or "Manganese Ironspot, Velour" as noted on Exterior Elevations 5. Provide special shapes where required. C. Mortar Materials: 1. Portland cement: ASTM C150, Type I or III, natural color. 2. Masonry cement: ASTM C91, Type indicated, natural color. 3. Aggregate: ASTM C144, clean masonry sand. 4. Water: Clean, fresh and potable. 5. Provide all exterior wall masonry mortar containing an integral polymeric water-repellent admixture. a. Manufacturer W. R. Grace, "Dry-BlockR Integral Water-Repellent Mortar Admixture". D. Unit Masonry Mortar Mixes: ASTM C270 proportions by volume. 1. Face brick: Type N mortar. 2. Dye: a. SGS #60A "White" by Solomon Grind Services (White) b. SM #750 "Silverstone" by Spec Mix (Iron Spot) E. Reinforced Unit Masonry Grout Mixes 1. Concrete fill: ASTM C94 3,000 psi concrete. F. Joint Reinforcement, Wall Ties And Anchors: Finish, ASTM A-153 hot-dip galvanized 1. Manufacturer: Holman & Barnard, INC. 2. Horizontal joint reinforcement: Welded ladder tie with matching corners and Tee units. a. Single Wythe masonry: Standard single 9 gage side and cross rods. H&B - #220 Ladder-Mesh. 3. Anchoring devices: Provide strap anchors, inserts, bolts and rods of type and size indicated. a. CMU to CMU: Strap anchors 1/4" x 1-1/4" x 24" steel with bent ends. b. CMU to structural steel: H&B - VBT - Vee Byne-Tie With Plain Steel (Tie) Used In Conjunction With H&B #359 Weld-on Ties (Anchor Rods). 4. Masonry Veneer To Woof Framing: H&B - DW-10HS Veneer Anchor, With Adjustable 3/16" Cold-Drawn Steel Wire Tie Sections and 14 GA. Screw-On Attachment Plate. a. Fasteners: Self-Drilling, Self-Tapping Screws, 1-1/4" X #10, Corrosion-Resistant Coated. Provide Two (2) Screw Fasteners for each Attachment Plate. 5. Seismic Masonry Veneer to Wood Framing: (When Required) H&B Seismic Plate Pintle HB-2135 with HB-213 (T-Lok Tie) a. Fasteners: Self-Drilling, Self-Tapping Screws, 1-1/4" X #10, Corrosion-Resistant Coated. Provide Two (2) Screw Fasteners For Each Attachment Plate. G. Concealed Masonry Through-Wall Flashing: W. R. Grace "Perm-A-Barrier" self-adhering modified bituminous sheet, 40 mils thick. 1. Termination Mastic: W.R. Grace "Bituthene Mastic." 2. Primer: W.R. Grace "Bituthene P-300 Primer." 3. Termination bars: Extruded aluminum or stainless steel, 1" wide and .098" thick pre-punched at 6" on center, secured with stainless steel drive pins. H. Accessories 1. Reinforcing bars: ASTM A615, Grade 60, deformed billet steel bars of sizes indicated. 2. Wall weeps: Dur-O-Wal D/A 1006 "Cell Vent", clear flexible polypropylene co-polymer. 3. Compressible joint material: Dur-O-Wal "Rapid Soft-Joint" D/A 2010. 4. Bond breaker strips: ASTM D226 No. 15 asphalt saturated roofing felt. 5. Cleaning agents: a. Face Brick and CMU: ProSoCo, Inc., "Sure Klean New Masonry Cleaners." b. ACMU: ProSoCo, Inc., "Sure Klean Burnished Custom Masonry Cleaner." 6. Expansion/Control joint sealants: Polyurethane-based, elastomeric joint sealant complying with ASTM C920 and Section 07900 requirements. Color matched to adjacent surfaces. 3.1 Installation A. Preparation 1. Wet absorbent face brick masonry units requiring wetting, in accordance with BIA recommendations. 2. Lay concrete masonry units dry. 3. Establish, lines, levels and coursing. Ensure ties, anchors and flashing are correctly installed 4. Mix mortar cementitious materials and aggregate in a mechanical mixer. Add water in amount to provide satisfactory workable consistency of mortar. Retemper mortar as required within two hours of mixing to replace water lost be evaporation. Discard mortar after two and one-half hours of initial mixing. Do not use mortar after it has started to set. B. Installation - General: 1. Build walls and other masonry construction to the full thickness shown. Build single wythe walls to the actual thickness of the masonry units, using units of nominal thickness shown. 2. Cut masonry units using motor-driven masonry saws to provide clean, sharp edges. Cut units to fit adjoining work neatly. Provide 100% solid units where cores would be exposed. 3. Cold weather construction, hot weather construction, and masonry construction tolerances: Comply with unit masonry standard ACI 530.1/ASCE 6/TMS 602 requirements. C. Laying Masonry 1. Layout walls in advance to ensure accurate spacing of surface bond patterns, with uniform joint widths, and to properly locate openings, movement type joints, returns and offsets. Do not use less than half-size units at corners, jambs and other locations. 2. Lay up walls plumb and true to comply with ACI 530.1 tolerances. Provide square corners and angles, except as otherwise indicated, with courses level, accurately spaced and coordinated with other work. 3. Pattern bond: Running bond. Do not use units with less than 4" of horizontal face dimensions at corners or jambs. 4. Lay hollow CMU/ACMU with full mortar coverage on horizontal and vertical face shells. Bed CMU webs in mortar in starting courses. Maintain uniform 3/8" joint widths. 5. Lay face brick and solid CMU/ACMU with completely filled bed and head joints. Do not slush head joints. Maintain uniform 3/8" joint widths. 6. Compress and cut joints flush for masonry walls below grade or covered by other materials. 7. Tool joints in all exposed masonry work to a concave joint. 8. Provide interlocking masonry bond in each course at corners and intersecting walls. 9. As the work progresses, build in masonry accessories and related items. Fill in solidly with masonry around built-in items. a. Bed hollow metal frame anchors in mortar and fill space between hollow metal frames and masonry solid with fine mortar grout. b. Provide solid masonry bearing for all lintels, beams, joists, plates and load-bearing members. c. Take particular care to embed all conduits and pipes within concrete masonry without fracturing exposed shells and to fit units around switch, receptacle and other boxes set in walls. Where electric conduit, outlets, switch boxes and similar items occur, grind and cut units before building in services. d. Install anchors, plates and related work built into masonry work. e. Install reinforcing steel and concrete fill where indicated. Comply with drawing details. 10. Horizontal joint reinforcing: Provide continuous joint reinforcing at all concrete masonry walls as follows: a. In every second block course, 16" on center vertically, full height of wall and every block course where shown on the drawings. b. Lap reinforcement a full width at the corners and at intersections or use special fabricated sections. c. Fully embed side rods in mortar. 11. Anchoring masonry work: Provide anchoring devices of the type indicated or required. 12. Provide vertical expansion, control and isolation joints in masonry where indicated. a. When not indicated, at maximum 30'-0" on center. b. Locate control joints at points of natural weakness in masonry and acceptable to Architect. c. Joint sealant color shall match masonry materials sealed. 13. Lintels: Install loose steel lintels furnished under structural steel work where shown. Set lintels in full bed of mortar. 14. Flashing and weeps: a. Install concealed through wall masonry flashing at all wall sills, masonry openings in exterior walls with masonry above head, over all horizontal steel members built into masonry and elsewhere as indicated. Provide "drainage wall system" masonry construction. b. Provide end dams and positive slope to drain. Extend flashing vertically at least 8" and built into or anchor to back-up with a termination bar for a complete watertight installation. c. Flexible Membrane Flashing: 1.) Install membrane flashing in accordance with manufacturer's installation instructions. 2.) Fully adhere flashing to substrate. 3.) Lap flashing joints a minimum of 6", seal and roll with a hand roller. 4.) Trim bottom edge 1/4" back from exposed face of masonry. 5.) Seal edges, seams, cuts and penetrations with manufacturer's recommended mastic. 15. Install weeps in head joints of final course of exterior masonry wythe above flashing. Space weeps maximum of 24" on center horizontally and located to avoid door openings. Install weeps at head joints with outside face of weep material held 1/8" from the finish face of masonry unit. 16. Install compressible joint material at lintels and horizontal steel members. Build in joint fillers and seal with elastomeric joint sealant. D. Masonry Veneer Walls: 1. Metal framed walls: Tie exterior masonry veneer wythe to back-up wall with individual metal ties screwed to metal stud framing. 2. Space ties 16" on center vertically and horizontally. 3. Maintain veneer wall cavity free of mortar droppings during masonry installation. E. Parging: 1. Dampen masonry walls prior to parging. 2. Scarify each parging coat to ensure full bond to subsequent coat. 3. Parge masonry walls in two uniform coats of mortar to a total thickness of 3/4 inch (19mm). 4. Steel trowel surface smooth abs flat with a maximum surface variation of 1/8 inch per foot (1mm/meter). F. Architectural Concrete Masonry Units: Install ACMU in accordance with the manufacturer's installation instructions and the following: 1. Draw ACMU from more than one pallet at a time during installation. G. Reinforced Concrete Masonry 1. Reinforce and fill CMU/ACMU wall and column masonry where indicated. Fill all cores solid with concrete fill. Comply with NCMA TEK Bulletins 3-2, 3-3A and 14-2 recommendations. a. Comply with drawing details for reinforcing steel size and spacing. 2. Install bond beams where indicated. Reinforce and fill units solid with concrete fill. Comply with drawing details for reinforcing steel size and spacing. H. Repair, Pointing and Cleaning 1. In process cleaning: Wipe off excess mortar as the work progresses. Dry brush with bristle brushes exposed masonry at the end of each day's work. Remove mortar spatters and joint ridges. 2. Clean all exposed masonry. Cleaning agents subject to Architect's approval. Before applying any cleaning agent to the entire wall, clean a sample wall area of approximately 20 square feet in a location acceptable to the Architect. Do not proceed with final cleaning until the sample area has been allowed to dry a minimum of 3 days and the test area cleaning approved. Protect all windows, doors, louvers, metal lintels and other corrodible parts. Damaged materials and work replaced at Contractor's expense. 3. Dry clean exposed surfaces to remove large particles of mortar using hardwood wood paddles and scrapers. Metal tools not acceptable. 4. Presoak exposed masonry surfaces by saturating with water and flush off loose mortar and dirt. 5. Apply cleaning solutions and clean masonry in accordance with the cleaning material manufacturer's cleaning instructions. 6. Muratic acid cleaning of masonry not permitted. I. Architectural Concrete Masonry: 1. Keep ACMU walls clean during installation. Remove excess mortar on daily basis using brushes, rags or burlap squares. 2. Clean completed walls with detergent masonry cleaner recommended by the ACMU manufacturer. Acid cleaning agents, abrasive cleaners, tools or powders and metal cleaning tools and brushes are not permitted. 3. After final clean down and when walls are dry, apply ACMU acrylic finish coating in accordance with ACMU manufacturer's application instructions. DIVISION 5 - METALS SECTION 05120 - STRUCTURAL STEEL 1.1 General: Provide structural steel in accordance with the General Structural Notes and structural drawings and details. A. Standards: Materials and construction shall conform to the following: 1. AISC "Specification for the Design, Fabrication, and Erection of Structural Steel for Buildings." 2. AISC "Code of Standard Practice." 3. AWS "Structural Welding Code, D1.1-Steel." 2.1 Materials: A. Materials compliance: When requested, submit acceptable data documenting materials compliance for each type of material required. B. Structural Shapes: ASTM A36/A36M, 36 ksi steel. C. Tubular Steel: ASTM A500, 46 ksi yield strength steel, cold-formed welded and seamless. D. Structural pipe: ASTM A53, type and grade selected by the fabricator as required for design loading, standard finish, standard weight (Schedule 40) except as otherwise indicated. E. Grout: ASTM C1107, pre-mixed, shrinkage resistant, non-metallic, non-corrosive, non-staining grout. F. Shop paint primer: Refer to Section 09900 - Paints and Coatings. G. Fabrication: Fabricate structural steel in accordance with AISC "Specification - Structural Steel for Buildings" and "Code of Standard Practice." Provide welded or bolted connections in accordance with the Structural Drawings connection requirements. 1. Welding: Conform to AWS welding standards. Provide only continuous welds, spot welding is not acceptable. Grind all exposed welds smooth. 2. Splicing: Material, if spliced, shall have maximum one splice per structural member. Perform splicing by full penetration butt-welding using AWS qualified welders and welding methods. 3. Shop painting: Shop paint structural metal members, except members or portions of members to be embedded in concrete or masonry, surfaces and edges to be field welded and galvanized surfaces. Refer to Section 09900 - Paints and Coatings. 3.1 Installation: A. Erection: Erect structural steel in accordance with AISC "Specification - Structural Steel for Buildings" and "Code of Standard Practice". 1. Plumb, level and align base plates for structural members with steel shims. 2. Grout structural steel base plates solid that bear on concrete or masonry surfaces. B. Testing: When required, comply with drawings testing requirements. SECTION 05400 - COLD-FORMED METAL FRAMING 1.1 General: Provide cold-formed metal framing in accordance with the General Structural Notes and structural drawings and details. A. Standards: Materials and construction shall conform to the following: 1. AISI S602.2-01 "Design of Cold-Formed Steel Structural Members." 2. AWS "Structural Welding Codes, D1.3-Sheet Steel." 2.1 Materials: A. Materials compliance: When requested, submit acceptable data documenting materials compliance for each type of material required. B. Load-Bearing Cold-Formed Metal Framing: ASTM A1003, Gage, Grade and Type indicated. 1. Components: Provide sizes and shapes indicated. 2. Finish: Galvanized complying with ASTM A653, minimum G60 coating. C. Fabrication: 1. Cold-formed metal framing may be prefabricated into panels before erection. Fabricate panels plumb, square, true to line and braced against racking with joints welded. a. Provide one-piece full-length cold-formed metal framing members. Splicing not permitted. 2. Attach and join other components by welding or screw fasteners, as indicated. Wire tying of framing components is not permitted. 3. Cut framing to fit squarely for attachment to perpendicular members or as required for angular fit against abutting members. Hold members securely in position until properly fastened. 4. Saw cut field cut framing. Torch cutting not acceptable. 3.1 Installation: A. Erection: Erect cold-formed metal framing members of gage and at spacing indicated on the Structural Drawings. Align and secure studs to top and bottom runner tracks by welding or screw fasteners at both inside and outside flanges. B. Tolerance Acceptance: Install cold-formed metal framing member as indicated on the plans. Install to 1/16" tolerance. SECTION 05500 - METAL FABRICATIONS 1.1 General: Provide metal fabrications as shown and specified. A. Submit shop drawings for the following: 1. Patio Rail systems. a. Show thickness, size, construction and manner of assembling various members, joint locations and railing layout. b. Show true profiles, connections and relationship to adjoining work and methods of anchoring. 2.1 Materials A. Materials compliance: When requested, submit acceptable data documenting materials compliance. B. Steel Shapes: ASTM A36/A36M, 36 ksi steel. C. Stainless Steel: 1. Wall: 18 gage, ASTM A167, AISI Type 304 stainless steel, No. 4 finish. D. Diamond Plate: Nominal 1/8" thick ASTM B209, Alloy 6061-T6, Aluminum Diamond Tread Plate. 1. Wall: Bright reflective finish. 2. Floor: Mill finish. E. Patio Railing System 1. Submit shop drawings including the following: a. Show thickness, size, construction and welding, as well as assembly drawings. b. Show true profiles, connections of all typical joint configurations c. Show installation (fastening) and proposed grout (non-gypsum base) d. Show gate detail and gate hardware manufacturer and model number e. Patio railing plan, with dimensions and panel assembly locations. 2. Fabrication a. Patio rails and gate shall be fabricated from steel flat bar, 3/8" x 2 1/2", grade A36. b. Corner connector angles shall be 2 1/2" x 2 1/2" x 1/4" steel L angle. c. Gate hinges shall be a self-closing, adjustable tension type. Hinge installation shall be drilled and tapped. Permanently welded are unacceptable. d. Gate stop shall have a rubber cushion stop and be affixed to the active gate. e. All corners and joints shall be seal welded and outside joints ground smooth. f. All welded spatter shall be removed before sand blasting. 3. Finish a. Patio railing shall be painted PPG Durethane, color 518-6 Knight's Armor. Refer to Section 09900 - Paints and Coatings for preparation. F. Exposed Fasteners: 1. Diamond Plate: #8 x 1" bevel headed stainless steel screw. 2. Patio Railing: a. All fasteners shall be stainless steel and powder coated to match railing sections. b. Spacer washers separating railing sections shall be 1 1/2" diameter and 1/2" thick they shall be one piece thick washers and not comprised of stacking washers c. Spacer washers shall be used on all straight sections and when railing panels join at 90 degree corner angles. G. Shop paint primer: Refer to Section 09900 - Paints and Coatings
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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	D. Bond-Breaker Tape: Manufacturer's standard TFE-fluorocarbon or polyethylene material to which sealants will not develop adhesion.	A. General: Provide sheet metal without pitting, seam marks, roller marks, stains, discolorations, or other imperfections exposed to view on finished units.
A. Steel Doors: 1. Interior: Heavy-duty Level 2, physical performance B, Model 2 seamless construction, ASTM A1008, 18 gage cold-rolled steel face sheets, manufacturer's standard core.		A. Installer Qualifications: An installer which has had successful experience with installation of the same or similar units required for the project and other projects of similar size and scope	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	B. Galvanized Steel Sheet: ASTM A653/A653M, G90 (Z275) coating. 14 gauge min. thick base material.
2. Exterior: Extra heavy-duty Level 3, physical performance A, Model 2 seamless construction, ASTM A1008, 16 gage cold-rolled steel face sheets; tops and bottoms closed with flush galvanized steel caps, manufacturer's standard plastic foam insulating core.		B. Manufacturer Qualifications: A manufacturer capable of providing aluminum framed storefront system that meet or exceed performance requirements indicated and of documenting this performance by inclusion of rest reports, and calculations.	2. Weatherseal Sealant: ASTM C 920 for Type S, Grade NS, Class 25, Uses NT, G, A, and O; single-component neutral-curing formulation that is compatible with structural sealant and other system components with which it comes in contact; recommended by structural-sealant, weatherseal-sealant, and aluminum-framed-system manufacturers for this use. a. Color: Matching structural sealant.	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.
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.		C. Source Limitations: Obtain aluminum framed storefront system and storefront entrance doors through one source from a single manufacturer.	2.5 Entrance Door Systems:	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.
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.		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.	7. Nonstructural Anchors: Provide powder-actuated fasteners where work is not indicated to comply with design loads. Provide size and number required for load, installation, and as recommended by manufacturer, unless indicated otherwise.
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.		1.7 Project Conditions:	2.6 Accessory Materials:	D. Fasteners, General: Same basic metal and alloy as formed metal sheet unless indicated otherwise. Do not use metals incompatible with the materials joined.
3.1 Installation:		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	E. Gaskets: As required to seal joints in decorative formed metal and remain airtight; as recommended in writing by decorative formed metal manufacturer.
A. Install frames plumb, level, rigid, and in true alignment as recommended in ANSI A250.11.		1.8 Warranty	2.7 Storefront Framing Fabrication:	2.14 Finishes
B. Install doors plumb and in true alignment and fastened to achieve the maximum operational effectiveness and appearance as recommended in SDI 122.		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.	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.
SECTION 084113 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS		2.1 Manufacturers:	B. Mechanically Glazed Framing Members: Fabricate for flush glazing without projecting stops.	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.
1.1 General: Provide aluminum entrances and storefronts as shown and specified.		A. Manufacturer: Kawneer Company Inc., Contact: Doug Hess, Phone: 317-771-9265; email:doug.hess@arconic.com	C. Structural-Sealant-Glazed Framing Members: Include accommodations for using temporary support device to retain glazing in place while structural sealant cures.	3.1 Examination:
1.2 Related Documents:		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)	D. Storefront Framing: Fabricate components for assembly using manufacturers standard installation instructions.	A. Examine openings, substrates, structural support, anchorage, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work. Verify rough opening dimensions, levelness of sill plate and operational clearances. Examine wall flashings, vapor retarders, water and weather barriers, and other built-in components to ensure a coordinated, weather tight framed aluminum storefront system installation. 1. Masonry Surfaces: Visibly dry and free of excess mortar, sand, and other construction debris. 2. Wood Frame Walls: Dry, clean, sound, well nailed, free of voids, and without offsets at joints. Ensure that nail heads are driven flush with surfaces in opening and within 3 inches of opening. 3. Metal Surfaces: Dry; clean; free of grease, oil, dirt, rust, corrosion, and welding slag; without sharp edges or offsets at joints. 4. Proceed with installation only after unsatisfactory conditions have been corrected.
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this section.		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.	E. After fabrication, clearly mark components to identify their locations in Project according to Shop Drawings.	3.2 Installation:
B. Standards: Materials and construction shall conform to the following: 1. AAMA SFM-1-87 "Aluminum Storefront and Entrance Manual."		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	F. Weather Stripping: Provide weather stripping locked into extruded grooves in door panels or frames as indicated on manufactures drawings and details.	A. Comply with Drawings, Shop Drawings, and manufacturer's written instructions for installing aluminum framed storefront system, aluminum swing storefront entrance doors, accessories, and other components.
1.3 Summary:		B. Alternate Storefront Systems only when approved by Arch PM and Chipotle DM.	2.9 Aluminum Finishes:	B. Install aluminum framed storefront system and storefront doors level, plumb, square, true to line, without distortion or impeding thermal movement, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction.
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		1. YKK a. YES 60 TU Storefront System - 2" x 6" nominal dimension; Thermal b. YES 45 TU Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set	A. Finish designations prefixed by AA comply with the system established by the Aluminum Association for designating aluminum finishes.	C. Set sill members and door threshold in bed of sealant or with gaskets, as indicated, for weather tight construction.
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.		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	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	D. Install aluminum framed storefront system and components to drain condensation, water penetrating joints, and moisture migrating within sliding door to the exterior. Refer to section 07900 - Joint Sealers.
3. Kawneer Tube for Feature Exterior Slat Wall		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	C. Weather Stripping: Provide weather stripping locked into extruded grooves in door panels or frames as indicated on manufactures drawings and details.	E. Separate aluminum and other corrodible surfaces from sources of corrosion or electrolytic action at points of contact with other materials.
4. Alternate Storefront Systems only when approved by Arch PM and Chipotle DM.		4. EFCO a. Series 406 (T) Storefront System - 2" x 6-1/2" nominal dimension; Thermal b. Series 403 (T) Storefront System - 2" x 4-1/2" nominal dimension; Thermal	2.10 Brake Metal Trim:	F. Install aluminum storefront framing system glass and glazing, in accordance with section 08800 and the manufacturer's requirements.
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		5. Wausau a. TU24650 Storefront System - 2" x 6-1/2" nominal dimension; Thermal b. TU24000 Storefront System - 2" x 4-1/2" nominal dimension; Thermal	A. 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)	3.3 Adjusting, Cleaning, and Protection:
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				A. Clean aluminum surfaces immediately after installing aluminum framed storefronts. Avoid damaging protective coatings and finishes. Remove excess sealants, glazing materials, dirt, and other substances.
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				B. Clean glass immediately after installation. Comply with glass manufacturer's written recommendations for final cleaning and maintenance. Remove nonpermanent labels, and clean surfaces.
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				C. Remove and replace glass that has been broken, chipped, cracked, abraded, or damaged during construction period.
e. Wausau (1) TU24650 Storefront System - 2" x 6-1/2" nominal dimension; Thermal (2) TU24000 Storefront System - 2" x 4-1/2" nominal dimension; Thermal				
1.4 Performance Requirements:		2.2 Materials:	2.11 Formed Metal Fabrications - General:	SECTION 085619 - PASS-THRU WINDOW
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		A. Provide aluminum entrances and storefront matching the existing building aluminum entrances and storefronts, unless otherwise 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.	1.1 General: Provide door hardware as shown and specified.
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)		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.	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.	A. Standards: Materials and installation shall conform to the following: 1. ASTM A240 - Heat-Resisting Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels. 2. ASTM A653 - Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process. 3. ASTM B209 - Aluminum and Aluminum-Alloy Sheet and Plate. 4. ASTM B221 - Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes. 5. ASTM B580 - Standard Specification for Anodic Oxide Coatings on Aluminum. 6. ASTM B680 - Standard Test Method for Seal Quality of Anodic Coatings on Aluminum by Acid Dissolution. 7. ASTM C1048 - Heat-Treated Flat Glass-Kind HS, Kind FT Coated and Uncoated Glass. 8. ASTM C1172 - Standard Specification for Laminated Architectural Flat Glass. 9. ASTM E774 - Standard Specification for Sealed Insulating Glass Units. 10. Aluminum Association AA DAF-45 - Designation System for Aluminum Finishes.
		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.	C. Forming: Profiles indicated. Maximize lengths. Fold exposed edges to form hem indicated or ease edges to radius indicated with concealed stiffener. Provide flat, flush surfaces without cracking or grain separation at bends.	
		D. 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.	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. Quality Assurance: 1. Manufacturer Qualifications: Minimum of 25 years successful experience continuously manufacturing pass-thru windows. 2. Installer Qualifications: Installer shall have five years experience manufacturing and fabricating windows of similar type and scope as those specified in this section. 3. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship. a. Finish areas designated by Architect. b. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect. c. Refinish mock-up area as required to produce acceptable work.
		E. 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.	E. Anchors: Straps, plates and anchors as required to support and anchor items to adjacent construction.	2.1 Materials:
		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.	F. Supports: Miscellaneous framing, mounting, clips, sleeves, fasteners and accessories required for installation.	A. Acceptable Manufacturers. Arch PM to verify required manufacturer per Tenant's assignment. 1. Quikserv; Toll Free: 1.800.388.8307; Email: sales@quikserv.com; Web: https://www.quikserv.com/ 2. ReadyAccess; Toll Free: 1.800.621.5045; Email: ready@ready-access.com; Web: https://www.ready-access.com/
		G. 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.	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	B. No substitutions allowed. Requirements for manufacturer, design, grade, function, finish, size and other distinctive qualities of each type of door hardware are indicated on the drawings.
		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.	H. Performance requirements; 1. Thermal Movements: a. Allow for thermal movements in exterior metal fabrications due to temperature changes. Prevent buckling, opening of joints, overstressing of components, failure of connections, and other detrimental effects. 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.	
		2.3 Storefront Framing System:		
		A. Thermal Barrier: Thermal Break shall be designed in accordance with AAMA TIR-A8 and tested in accordance with AAMA 505. 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.		
		B. Brackets and Reinforcements: Manufacturer's standard high-strength aluminum with non-staining, nonferrous shims for aligning system components.		
		C. Fasteners and Accessories: Manufacturer's standard corrosion-resistant, non-staining, non-bearing fasteners and accessories compatible with adjacent materials. Where exposed shall be stainless steel.		
		D. Perimeter Anchors: When steel anchors are used, provide insulation between steel material and aluminum material to prevent galvanic action.		
		E. Packing, Shipping, Handling and Unloading: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.		
		F. Storage and Protection: Store materials protected from exposure to harmful weather conditions. Handle storefront material and components to avoid damage. Protect storefront material against damage from elements, construction activities, and other hazards before, during and after storefront installation.		

CONSULTANT:



CLIENT:



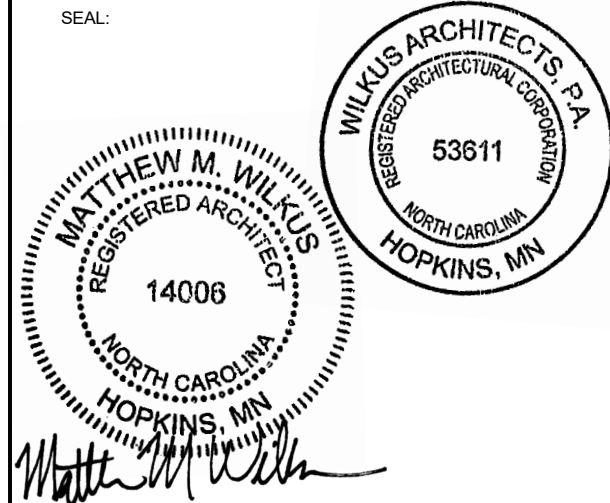
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PROJECT INFORMATION:

STORE NO. : 5479
"HOPE VALLEY"
7021 NC - 751 HIGHWAY #901
DURHAM, NORTH CAROLINA 27707

SEAL:



August 08, 2024

MATTHEW M. WILKUS
LICENSE #14006
(EXPIRES 06/30/2025)

PROJECT NO. 2024-0145
DRAWN BY SAS / KDRB
CHECKED BY DLA / MMW / KAM

ISSUE RECORD:

04/29/2024	HEALTH SUBMITTAL
05/28/2024	PERMIT SET
07/08/2024	BID SET
08/06/2024	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

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

SECTION 08710 - DOOR HARDWARE

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

- A. Standards: Materials and installation shall conform to the following:
- 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 seals or gaskets to remain watertight and airtight, deterioration of glass and glazing materials and other defects in the work.
- Installation: Performed only by experienced glaziers.

C. Warranty:

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

2.1 Materials:

- A. Glass:
- Float Glass (FG): 1/4" thick clear float glass.
 - Tempered Glass (TG): 1/4" and 1/2" thick clear, tempered safety glass, free-of-tong marks.
 - Insulating Glass (IGL): 1" thick clear, low-e tempered sealed glass; 1/4" thick interior and exterior glass lites with 1/2" aluminum desiccated dual sealed air space; with the following characteristics:
 - Low-emissivity coating on #2 surface.
 - Visible Light Transmittance: 64% - 70%
 - Visible Light Reflectance - 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 trussing 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 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.bldgip.com

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

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

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

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

3.1 Installation

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

- B. General: Install in accordance with ASTM C840, manufacturer's recommendations and TCA Handbook for Ceramic Tile Installation.
- Manufacturers Recommendations: refer to Current "Product Catalog", Georgia Pacific Gypsum.
 - Attach DensShield Tile Backer with grey side facing the interior. Tile should be applied on the grey coated side of DensShield Tile Backer. Cut panel to required size and make cutouts. Fit ends and edges closely. Do not leave gaps between panels.
 - DensShield Tile Backer may be cut by using a utility knife to score, then snap, working from the grey face side.
 - For walls, when used as a tile substrate a minimum 20-gauge steel or wood framing should be spaced no greater than 24" o.c. for 5/8" DensShield Tile Backer. Board can be applied horizontally or vertically.
 - Fasteners shall be spaced 6" o.c. for walls for wood and steel framing. Do not countersink. Drive fasteners flush with grey coated surface. See manufacturer installation Fastener Guide for proper selection.
 - In all corners, imbed with a bead of flexible sealant when installing panels into corner. Apply self-adhesive 2" wide fiberglass mesh tape and bed tape on all joints and corners with material used to set tiles.
 - 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 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" OT03
- 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: #Q3-3565 1" x 5"
 - Bullnose Coveless Base: HQ-1665, 6" x 6".
 - Bullnose Corner Coveless Base: #QCRL-1665, 6" x 6".

- C. Waterproofing for elevated floor slabs: Mapei, Mapelastic AquaDefense, Premium Waterproofing and Crack Isolation Membrane
- D. Setting Adhesive: Mapei, Ultraflex 3, Color: Gray
- E. Grout: Mapei, Kerapoxy IEG CQ, Color: #9, "Gray", 1/4" grout joints.
- F. Quarry Tile Base Membrane: Mapei, Mapelastic AquaDefense, Premium Waterproofing and Crack Isolation Membrane

3.1 Installation

- A. Preparation: Clean substrate surfaces, scheduled to receive quarry tile, thoroughly and remove all coatings that may impair bond.
- 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
 - Color - Chipotle Brick Metallic 1.0 #9999710686, Size - 3 x 12, Pattern - Stacked Bond
 - Alternate Accent Tile only when approved by Arch PM and Chipotle DM
 - Series - Remedy, Color - Alchemy RD25, Size - 2 x 9, Pattern - Stacked Bond
 - Series - Marrazzi, Color - Artesen AT25, Size - 2 x 4, Pattern - Brickjoint Mosaic

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

- D. Grout:
- Kitchen Tile or as noted in plans
 - Mapei, Series - Flexcolor CQ - Gray #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.

CONSULTANT:



CLIENT:



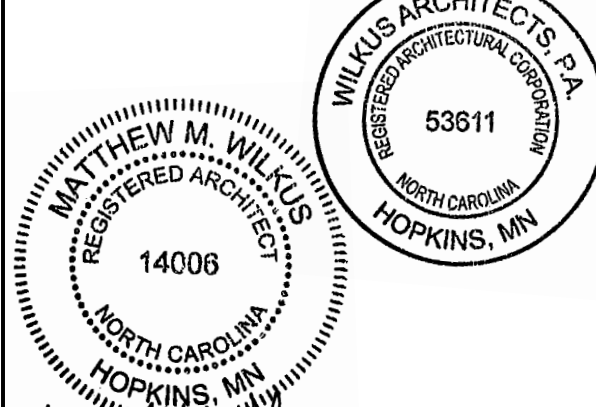
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PROJECT INFORMATION:

STORE NO.: 5479
"HOPE VALLEY"
7021 NC - 751 HIGHWAY #901
DURHAM, NORTH CAROLINA 27707

SEAL:



August 08, 2024

MATTHEW M. WILKUS
LICENSE #14006
(EXPIRES 06/30/20

SECTION 09510 - SUSPENDED CEILING SYSTEMS

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

- A. Standards: Materials and installation shall conform to the following:
- CISCA "Acoustical Ceilings - Use and Practice."
 - ASTM C635.
 - ASTM C636.
- B. Related Sections:
- 09515 Cementitious Wood Fiber Acoustical Panels: Suspension system.

2.1 Materials:

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

3.1 Installation

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

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

3.1 Installation:

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

SECTION 09770 - SPECIAL WALL SURFACING - PHENOLIC INTERIOR WALL PANELS

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

1.2 Related Sections:

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

1.4 Design/Performance Requirements:

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

1.5 Quality Assurance:

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

1.6 Delivery, Storage and Handling:

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

1.7 Warranty:

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

1.8 Project Conditions:

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

2.1 Manufacturer:

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

2.2 Application:

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

2.3 Interior Stonewood:

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

2.4 Minimum Material Properties

- A. NEMA Requirements:
- | Description | NEMA Requirements | |
|----------------------------|-------------------|-------|
| Dimensional Change: | 3.11 | |
| Length (Machine Direction) | 0.3% Maximum | 0.25% |
| Width (Cross Direction) | 0.7% Maximum | 0.50% |
| Density (PCF) | 82 | |
- B. Mechanical Properties:
- | Property | NEMA Requirements | |
|------------------------------|---------------------|----------------------|
| Flexural Strength ASTM D-790 | | |
| MD (psi) | 18,000 | 20,000 |
| CD (psi) | 12,000 | 16,000 |
| Flexural Modulus ASTM D-790 | | |
| MD (psi) | 1.6x10 ⁶ | 2.0 x10 ⁶ |
| CD (psi) | 1.4x10 ⁶ | 1.5x10 ⁶ |
| Tensile Modulus ASTM D-638 | | |
| MD (psi) | 18,000 | 18,000 |
| CD (psi) | 12,000 | 13,000 |
- C. Fire Resistance:
- | | Class A (0.250") | Class B (0.250") |
|--|------------------|------------------|
| Flame Spread Index - ASTM E-84 (BLDG): | 5 | 30 |
| Smoke Developed Values - ASTM E-84 (BLDG): | 5 | 105 |
| Fire Rating (Standard Product is Class B): | A | B |
- D. Manufacturing Tolerance:
- | | |
|------------------------------------|----------|
| Thickness (156 to .375) | +/- .020 |
| Thickness (above .375 to 1.000) | +/- .030 |
| CNC Shaped Size (Length - Width) | +/- .020 |
| Drill Diameter | +/- .003 |
| Drill Depth | +/- .020 |
| CNC Hole to Hole | +/- .020 |
| CNC Hole to Edge (1 Oper) | +/- .020 |
| CNC Hole to Edge (2 Oper) | +/- .030 |
| Routing - (Slots Width and Length) | +/- .015 |
| Routing - (Slots Depth) | +/- .020 |

2.5 Accessories (Fasteners):

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

3.1 Manufacturer's Execution Instructions:

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

3.2 Examination:

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

3.3 Preparation:

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

3.4 Installation:

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

3.5 Erection Tolerances:

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

3.6 Field Quality Control:

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

3.7 Adjusting:

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

3.8 Cleaning:

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

SECTION 09900 - PAINTS AND COATINGS

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

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

1.2 Related Documents:

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

1.3 Summary:

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

1.4 Quality Assurance:

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

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

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

1.5 Delivery, Storage and Handling:

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

1.6 Project Conditions

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

2.1 Manufacturers:

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

2.2 Paint Materials, General

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

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

C. Exterior Coatings:

Exterior Ferrous Metals:

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

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

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

Application: Conventional or HVLP (high volume low pressure)

Exterior and Interior Gas Piping:

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

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

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

Application: Conventional or HVLP (high volume low pressure)

Exterior Patio Railings:

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

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

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

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

Exterior Prefinished Metal Wall Panels:

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

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

Owner Option 1:

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

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

Owner Option 2:

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

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

Owner Option 3 (Low VOC):

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

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

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

Exterior Galvanized Metal:

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

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

Owner Option 1:

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

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

Owner Option 2:

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

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

Owner Option 3 (Low VOC):

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

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

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

CONSULTANT:



CLIENT:



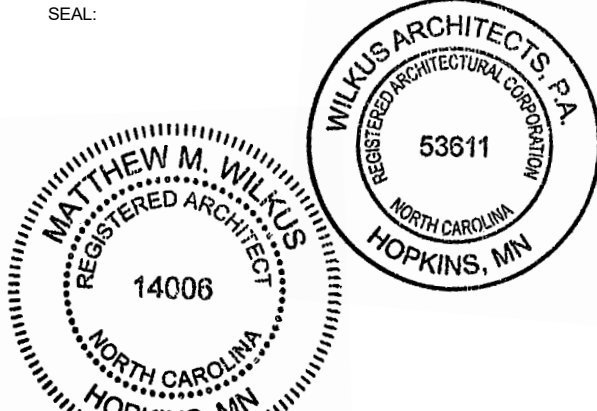
CHIPOTLE MEXICAN GRILL, INC.
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PROJECT INFORMATION:

STORE NO.: 5479
"HOPE VALLEY"
7021 NC - 751 HIGHWAY #901
DURHAM, NORTH CAROLINA 27707

SEAL:



August 08, 2024

MATTHEW M. WILKUS
LICENSE #14006
(EXPIRES 06/30/2025)

PROJECT NO. 2024-0145
DRAWN BY SAS / KDRB
CHECKED BY DLA / MMW / KAM

ISSUE RECORD:

04/29/2024	HEALTH SUBMITTAL
05/28/2024	PERMIT SET
07/08/2024	BID SET
08/06/2024	CONSTRUCTION SET

REVISIONS:

TITLE:

ARCHITECTURAL
SPECIFICATIONS

SHEET NUMBER:

G016

Exterior CMU Primer:

CMU Preparation: Mortar should cure for at least 30 days and preferably 90 days prior to priming. Fill block with an appropriate block filler. Surfaces previously coated with water thinned cement-based paint must be prepared with extra care. If the material appears to be adhering tightly, a masonry sealer may be applied to seal the surface. Check adhesion by applying a piece of masking tape. If the sealer peels off and has loose particles, remove all chalking or crumbling material, re-seal and re-check adhesion.

Field Preparation: Surfaces to be coated must be dry, clean, sound, and free from all contamination including loose and peeling paint, dirt, grease, oil, wax, concrete curing agents and bond breakers, chalk, efflorescence, mildew, rust, product fines, and dust. Remove loose paint, chalk, and efflorescence by wire brushing, scraping, sanding, and/or pressure washing. Putty all nail holes and caulk all cracks and open seams. Sand all glossy, rough, and patched surfaces. Feather back all rough edges to sound surface by sanding.

Prime: (2) Coats PPG; Speedhide Interior/Exterior Masonry Hi Fill Latex Block Filler

Application: Brush, Roll or Spray

Exterior Stucco/EIFS Surfaces (including wet areas):

Preparation: Remove all visible oil, grease, soil and all other foreign substances with cleaning solutions and/or scrapers. Allow to dry and sand all areas that need smoothing and dust off.

Prime: (1) coat PPG; 4-603 Perma-Crete Alkali Resistant Primer (100 g/L VOC): Applied at a dry film thickness of not less than 1.2 to 1.9 mils.

Finish: (2) coats PPG; 4-22 Perma-Crete Hi-Build Acrylic (100 g/L VOC): Applied at a dry film thickness of not less than 3.2 to 5.8 mils.

Application: Airless spray with back roll using 3/4" nap roller.

Exterior Wood:

Preparation: Remove all visible oil, grease, soil and all other foreign substances with cleaning solutions and or scrapers. Allow to dry and sand all areas that need smoothing and dust off.

Prime: (1) coat PPG; 17-921 Seal Grip Primer Sealer (100 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.

Finish: (2) coats PPG; 70-501 Manor Hall Exterior Semi-Gloss or PPG Acri-Shield Semi-Gloss PP649 (50 g/L VOC): Applied at a dry film thickness of not less than 1.5 to 3.0 mils.

Application: Brush, Roll or Spray

D. Interior Coatings:

Interior Metals: (Doors, door frames, where indicated)

Preparation: Remove all visible rust, oil, grease, soil and all other foreign substances with cleaning solutions and/or scrapers. Allow to dry and sand all areas that need smoothing and dust off.

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

Finish: (2) coats PPG; V-50-410 Breakthrough Semi-gloss Sheen Acrylic (250 g/L VOC): Applied at a dry film thickness of not less than 1.4 to 2.0 mils.

Application: Conventional spray, HVLP or Airless spray. Touch-ups shall be done with conventional spray or airless equipment or brush or roller.

Interior Metals: (Metal Deck if indicated on Finish Plan)

Preparation: Remove all visible rust, oil, grease, soil and all other foreign substances with cleaning solutions and allow to dry before priming.

Prime: (1) coat PPG; 4020PF Series Pitt-Tech Plus Int/Ext DTM Acrylic Industrial Primer (90 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils. (Primer only required on unpainted decking or to spot prime bare areas in decking.)

Finish: (2) coats PPG; 90-1110 Pitt-Tech Plus Satin Acrylic (100 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.

Application: Conventional spray, HVLP or Airless spray. Touch-ups shall be done with conventional spray or airless equipment or brush or roller.

Interior Gyp. Bd.:

Preparation: Remove all visible oil, grease, soil and all other foreign substances with cleaning solutions. Fill hairline cracks, holes and other defects with filler compatible with finish coats. Sand smooth all areas filled and/or areas to make a smooth overall finish.

Prime: (1) coat PPG; 9-900 Pure Performance Acrylic Primer (0 g/L VOC): Applied at a dry film thickness of not less than 1.4 to 2.0 mils. (Spot prime required only on repaint projects.)

Finish: (2) coats PPG; Pure Performance Zero VOC Eggshell 9-500 Series, sheen as shown on finish plan: Applied at a dry film thickness of not less than 1.5 to 2.0 mils.

Application: Conventional spray, HVLP or Airless spray. Touch-ups shall be done with conventional spray or airless equipment or brush or roller.

Interior Wood Trim and Plywood - Clear Polyurethane Finish: (Plywood finishes shall be shop applied in a controlled environment)

Shop Preparation: Scuff sand between coats.

Shop Finish: (2) coat, ML Campbell Krystal conversion varnish, Clear Dull Sheen

Application: Spray

Field Preparation: All cuts in field are to be sanded smooth. Scuff sand between coats.

Field Finish: (2) coat, ML Campbell High Performance Pre-Cat Lacquer, Clear Dull Sheen

Application: Wipe on with t-shirt rag.

Exterior Traffic Safety Marking.:

Preparation: All surfaces must be clean, dry and free from oil, grease, antifreeze, loose sand, aggregate and chipping/peeling existing striping. Any curing compounds used on new concrete must be mechanically abraded off prior to striping. When striping on freshly sealed surfaces use caution as some sealers can affect the curing and adhesion of traffic paint. When in doubt, always test adhesion.

Owner Option 1: Finish: (1) coat PPG; A-2886B Type II, White Zone Marking - Applied at a dry film thickness of not less than 8.6 mils.

Owner Option 2: Finish: (1) coat PPG; A-2886B Type II, Yellow Zone Marking - Applied at a dry film thickness of not less than 8.6 mils

Application: Applying a test strip to determine dry to no-pickup time when the humidity is higher than 65%. Cone whenever necessary.

- Do not heat paint in striping system above 60 C.
- Do not apply when temperatures are below 3 C.
- Do not apply when rain is forecast.
- Do not apply when temperatures are near or below the dew point or rain is forecast within 1 hour.
- Do not thin more than 5% with acetone and then use immediately.
- Do not apply if temperature is expected to fall below freezing for 6 hours after application of paint.

Application Equipment: Apply with a high quality brush, roller, or by airless spray equipment.

Airless Spray: Pressure 2000 psi, tip 0.015" - 0.021"Spray equipment must be handled with due care and in accordance with manufacturer's recommendation. High-pressure injection of coating's into the skin by airless equipment may cause serious injury.

Brush: Polyester/Nylon Brush

Roller: All-purpose nap roller cover.

E. Color Guide: Refer to Finish Plan and drawings for exact location of all colors.

WHERE	WHAT	COLOR	SHEEN	FINISH TAG
Exterior Traffic Safety Marking	PPG A-2886B Type II, Low VOC Acrylic Fast Dry Solvent	PPG White Zone Marking	Satin	N/A
Exterior Traffic Safety Marking	PPG A-2886B Type II, Low VOC Acrylic Fast Dry Solvent	PPG Yellow Zone Marking	Satin	N/A
Exterior Galvanized Metal Flashing and Prefinished Metal Wall Panels	PPG Pitt-Tech Plus Satin Acrylic Finish 90-1110 Series	PPG 1001-6 "Knight's Armor"	Satin	N/A
Exterior (Roof Mounted) Gas Piping	PPG Pitt-Tech Plus Semi-Gloss Acrylic Finish 4216 Plus HP Series	Yellow	Semi-Gloss	N/A
Exterior and Interior Gas Piping, Where Exposed	PPG Pitt-Tech Plus Semi-Gloss Acrylic Finish 4216 Plus HP Series	Match surrounding finishes/verify with architect	Semi-Gloss	N/A
Exterior CMU Primer	PPG Speedhide Interior/Exterior Masonry Hi Fill Latex Block Filler	White	Flat	N/A
Exterior CMU	PPG Pitt-Tech Plus Semi-Gloss Acrylic Finish 4216 Plus HP Series	PPG 1001-6 "Knight's Armor"	Semi-Gloss	N/A
Exterior Ferrous Metals	PPG Pitt-Tech Plus Semi-Gloss Acrylic Finish 4216 Plus HP Series	PPG 1001-6 "Knight's Armor"	Semi-Gloss	N/A
Exterior Wood	PPG Manor Hall Acrylic Semi-Gloss 70-501 Series or PPG Acri-Shield Acrylic Semi-Gloss PP649 Series	PPG 1001-6 "Knight's Armor"	Semi-Gloss	N/A
Exterior Stucco and EIFS Patio and Wet Areas	PPG Perma-Crete High Build Acrylic Topcoat 4-22 Series	PPG 1001-6 "Knight's Armor"	Flat	N/A
Exterior Stucco and EIFS Patio and Wet Areas	PPG Perma-Crete High Build Acrylic Topcoat 4-22 Series	PPG 1010-2 "Fog"	Flat	N/A
Exterior Stucco and EIFS Patio and Wet Areas	PPG Perma-Crete High Build Acrylic Topcoat 4-22 Series	PPG 1058-7 "Autumn Ridge"	Flat	N/A
Interior Doors, Door Frames, Rails and Rail Frames, Where Specified	PPG Breakthrough 50 Acrylic Satin	PPG V52-90 Black	Satin	D1
Interior Ferrous Metals, Where Specified	PPG Breakthrough 250 Acrylic Eggshell V50-410 Series	PPG 1013-5 "Victorian Pewter"	Eggshell	N/A
Dining Room and Hallway Gyp. Bd.	PPG Pure Performance Zero VOC Semi-Gloss 9-500 as indicated on finish plan	PPG 1001-3 "Thin Ice"	Semi-Gloss	P4
Dining Room and Hallway Gyp. Bd.	PPG Pure Performance Zero VOC Eggshell 9-310 as indicated on finish plan	PPG 1001-3 "Thin Ice"	Eggshell	P3
Dining Room and Hallway Gyp. Bd. Ceiling	PPG Pure Performance Zero VOC Flat 9-100 Series or PPG Speedhide 6-4110XI Flat	PPG 1041-1 "Moonlit Snow"	Flat	C3
Restroom, Cooking, Kitchen and Serving Area Soffit Gyp. Bd.	PPG Pure Performance Zero VOC Eggshell 9-500 Series	PPG 1041-1 "Moonlit Snow"	Eggshell	C3
Interior Metal Roof Deck and Metal Columns	PPG Pitt-Tech Plus Satin Acrylic Finish 90-1110 Series	PPG 1013-5 "Victorian Pewter"	Satin	C1
Patio Railing	Durethane DTM Urethane 95-3300 Series	PPG 1001-6 "Knight's Armor"	Gloss	N/A

3.1 Installation:

A. Examination:

1. Verify that site environmental conditions are appropriate for application of coatings specified.

2. Immediately prior to coating application, ensure that surfaces to receive coatings are dry.

3. Ensure that moisture-retaining substrates to receive coatings have moisture content within tolerances allowed by coating manufacturer, using moisture measurement techniques recommended by coating manufacturer.

4. Immediately prior to coating application, examine surfaces to receive coatings for surface imperfections and for contaminants which could impair performance or appearance of coatings, including but not limited to, loose primer, rust, scale, oil, grease, mildew, algae, or fungus, stains or marks, cracks, indentations, or abrasions.

5. Correct the above conditions and any other conditions which could impair performance or appearance of coatings in accordance with specified surface preparation procedures before proceeding with coating application.

B. Preparation:

1. Do not start work until surfaces to be finished are in proper condition to produce finished surfaces of uniform, satisfactory appearance.

2. Stains and Marks: Remove completely, if possible, using materials and methods recommended by coating manufacturer; seal with shellac or other coating acceptable to paint manufacturer stains and marks that might bleed through paint finishes which cannot be completely removed.

3. Remove or protect hardware, electrical plates, mechanical grilles and louvers, lighting fixture trim, and other items not indicated to receive coatings which are adjacent to surfaces to receive coatings.

4. Remove mildew from impervious surfaces by scrubbing with solution of disodium phosphate and bleach. Rinse with clean water and allow substrate to thoroughly dry.

5. For specific substrate preparation, see individual specifications.

6. Provide necessary staging, ladders, shield, protective coverings and drop cloths. Protect floors, walls and adjacent work and materials. Remove and properly replace temporary protection and coverings removed from any part of the work or finish. Repair damage at Contractor's expense.

C. Application:

1. General: Mix, prepare and apply paint according to manufacturer's written instructions.

a. Use applicators and techniques best suited for substrate and type of material being applied.

b. Do not apply high-performance coatings over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to forming a durable coating film.

c. Coating surface treatments, and finishes are indicated in the coating system descriptions.

d. Provide finish coats compatible with primers used.

e. The term "exposed surfaces" includes areas visible when permanent or built-in fixtures, convector covers, grilles, covers for finned-tube radiation, and similar components are in place. Extend coatings in these areas, as required, to maintain system integrity and provide desired protection.

2. Application Procedures: Apply coatings by brush, roller, spray, or other applicators according to manufacturer's written instructions.

a. The number of coats and film thickness required is the same regardless of application method.

b. Completed Work: Match approved Samples for color, texture, and coverage. Remove, refinish, or recoat work that does not comply with specified requirements as directed by Tenant. Paints and coatings work is subject to acceptance by the Tenant.

c. Keep brushes and rollers clean, free from contamination and suitable for the finish required.

d. Unless otherwise indicated, allow exterior paints to dry for 48 hours and interior paints to dry for 24 hours between coats.

e. Sand lightly and remove dust between coats to achieve required finish.

f. Finished surfaces shall be uniform in finish and color and free of brush marks, sagging, holidays, corduroy and other imperfections. Coverage and hide shall be complete.

g. Edges of paint or finish adjoining other materials or colors shall be sharp and clean without overlapping. Cut paint in neatly around glass or other edges.

h. Paints and coatings work is subject to acceptance by the Tenant. Correct unsatisfactory work not complying with these specifications as directed by the Tenant.

D. Cleaning:

1. After completing painting, clean glass and paint spattered surfaces. Remove spattered paint by washing and scraping without scratching or damaging adjacent finished surfaces.

E. Protection:

1. Protect work of other trades, whether being painted or not, against damage from painting. Correct damage by cleaning, repairing or replacing, and repainting, as approved by Architect / Tenant.

2. Provide "Wet Paint" signs to protect newly painted finishes. After completing painting operations, remove temporary protective wrappings provided by others to protect their work.

3. After work of other trades is complete, touch up and restore damaged or defaced painted surfaces.

F. Maintenance: Furnish extra paint materials from the same production run as the materials applied in the quantities described below. Package paint materials in unopened, factory-sealed containers for storage and identify with labels describing contents. Deliver extra materials to the Tenant.

1. Provide one gallon of paint and wood stain of each type and color required for maintenance purposes. Provide original, unopened, labeled containers with color samples and a list of project use.

DIVISION 10 - SPECIALTIES

SECTION 10522 - PORTABLE FIRE EXTINGUISHERS

1.1 General: Provide portable fire extinguishers as shown and specified.

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

1. NFPA 10 "Standard for Portable Fire Extinguishers.

2.1 Materials:

A. Provide minimum 10 lb. capacity fire extinguishers in quantity and type complying with local code and fire regulations requirements.

1. Provide new fire extinguishers fully loaded, tested, UL and FM labeled and listed and ready for use.

2. Provide manufacturer's recommended mounting brackets and hardware.

3.1 Installation:

A. Install fire extinguishers in accordance with manufacturer's installation instructions, at heights and locations acceptable to the local fire regulations enforcement authority

SECTION 10700 - EXTRUDED ALUMINUM CANOPY

1.1 General: Provide canopies as shown and specified.

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

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

2. AMMA, Aluminum Finishes AAMA 2604 (FGIA 2604) - Powder Coat

B. Quality Assurance

1. Shop Drawings: To be created under the guidance of a professional engineer. Site Specific stamped drawing may be required by the manufacturer based on location. Drawings must indicate size, material and finish. Include plan, elevations and sections to clearly outline the canopy locations. Include installation procedures, details of joints, attachments and clearances.

a. Submit within 15 days after contract award.

2. Color charts showing manufacturer's full range of colors from standard line including Chipotle's custom "charcoal" color match to prototypical window mullion system.

2.1 Manufacturers:

A. Architectural Fabrication, Inc. - Manufacturer is located at 2100 E. Richmond Avenue, Fort Worth, TX 76104. P: (800) 962-8027. E: chipotle@arch-fab.com, W: www.arch-fab.com

B. Substitutions are acceptable assuming they comply with this specification, are submitted based on Quality Assurance and Division 1 - Section 01100 requirements and have minimum 10 years experience, and only when approved by Arch PM and Chipotle DM.

1. Awnex, Contact: Katie Dicks, P: 770-704-7140 x151, E: katie@awnexinc.com

2. Uni-Structures, Contact: Dana Fredericks, P: 678-974-1773

3. API, Contact: Jade Moore-Esposito, P: 813-925-0144, E: jesposito@americanproducts.com

2.2 Materials:

A. Specifications are based on Architectural Fabrication, Inc. - Helios Canopy Patent #9,976,310

1. Framing: Gutter fascia, tube, angles: 6063-T6 alloy extruded aluminum. Gutter to be notched in the back to allow steel support arms to pass through.

2. Decking: Extruded aluminum 8" wide deck pan in 6063-T6 or 6063-T5 alloy (Roll form is not acceptable)

3. Steel Support Arms: 3" x 3" x .250" Steel tube support arms w/ 8" w x 5" h x 1/2" thick steel plate welded to the back. Must manufacture steel arm in manner to leave room for LED enclosure at back of canopy.

4. Hardware and Fasteners: Nuts, bolts, washers, clevis pins, screws, anchors and pipe spacers to be zinc plated or galvanized steel required to suit application and per pre-engineered canopy load requirements. Typical wall anchors are minimum 3/2" diameter. Touch up paint must be provided for each canopy to allow for potential repairs in the field.

5. Flashing: Shall be minimum 0.040-inch aluminum, fabricated to prevent leakage and sealed with Novaflex metal roof sealant in custom color match. Another equivalent sealant is acceptable.

6. LED Enclosure: Each canopy is to have a preformed aluminum LED enclosure along the back edge of the canopy finished in the same powder coat as the canopy. 1" nominal inside width, and a minimum aluminum sheet thickness of .063".

7. Scuppers: Drainage for canopy is (2) aluminum scuppers located at the front of the canopy per drawings. See finish below for details.

8. Finish: All aluminum shall be powder coat finish per FGIA 2604 (aka AAMA 2604). Steel shall be commercially blasted, then coated with a zinc rich primer, and finally the top coat of super polyester powder (2604 compliant) applied.

3.1 Installation:

1. Install canopies per manufacturer's written instructions and videos, and as indicated on architectural drawings

2. Locate and place canopies level, plumb and at indicated alignment with adjacent work.

3. Use concealed anchors where possible.

4. Repair damaged finishes so no evidence remains of corrective work. Return items to the factory that cannot be refinished in the field. Make required alterations and refinish entire unit or provide new units.

5. Protect galvanized and nonferrous-metal surfaces from corrosion or galvanic action by applying a coating of bituminous paint or elastomeric coating on surfaces that will be in contact with concrete, masonry or dissimilar metals.

DIVISION 11- NOT APPLICABLE

DIVISION 12- FURNISHINGS

SECTION 12495 - WINDOW SHADES

1.1 General: Provide window shades as shown and specified.

A. Standards: Shade fabric material shall meet the requirements of the following:

1. NFPA 701 Flame Test and California US Title 19 for flame retardant materials.

B. Field measure window openings and verify installation conditions prior to window shade fabrication

C. Warranty:

1. 5 years against defects in materials and workmanship.

2. 1 year for service call repairs and adjustments.

2.1 Materials:

A. Manufacturer: Insolroll Window Shading Systems, Inc. (800) 447-5534, internet www.insolroll.com

B. Window Shades: Insolroll 2000 Solar Screen Shades, manual operation.

1. Solar Screen Shade Fabric: Insolroll woven fiberglass yarn, 5% openness, Charcoal/Bronze color.

2. Provide manufacturer's recommended mounting brackets and hardware.

C. Fabrication: Unless otherwise indicated, fabricate window shade units to completely fill existing window openings from jamb to jamb and from head to 42" AFF or the nearest horizontal mullion from 40"-44" AFF.

1. Adjustment system controlled by plastic bead chain on polyester cord. Multi-banded steel spring clutches keep shade in desired position.

2. Roller tube 2" extruded aluminum, sized to minimize deflection.

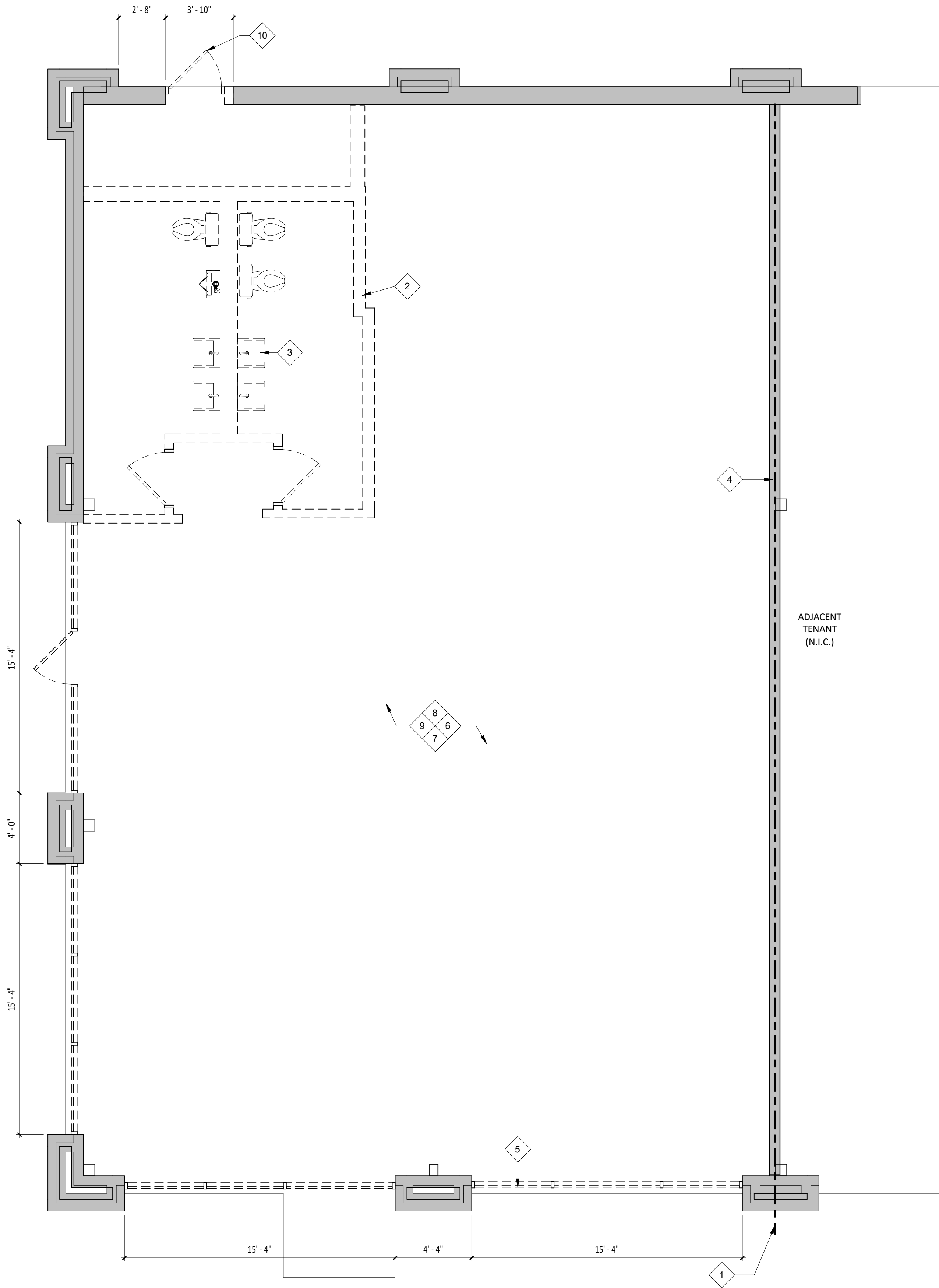
3. Fabric attached to roller tube using two-sided adhesive tape.

4. Fabric bottom hem RF heat sealed pocket with enclosed hem bar.

3.1 Installation:

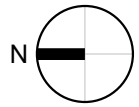
A. Install window shades level and plumb in accordance with manufacturer's installation instructions and drawing details. Provide units securely anchored in place with recommended hardware and accessories to provide smooth operation without binding.

DIVISIONS 13 - 14 - NOT APPLICABLE



1 DEMOLITION 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	TENANT LEASE LINE.
2	REMOVE ALL INTERIOR WALLS, FINISHES, DOORS, FRAMES - TYPICAL THROUGHOUT ALL INTERIOR SPACES U.N.O.
3	REMOVE PLUMBING FIXTURES IN THEIR ENTIRETY AND BROUGHT BACK TO SOURCE.
4	ALL EXISTING COLUMNS TO REMAIN - TYPICAL THROUGHOUT ALL INTERIOR SPACES U.N.O.
5	REMOVE STOREFRONT AS REQUIRED FOR NEW CONSTRUCTION, PREP SURFACES FOR NEW ALUMINUM STOREFRONT.
6	REMOVE ALL INTERIOR FLOOR FINISHES WITH CARE NOT TO DAMAGE EXISTING CONCRETE SLAB - SCRAPE SURFACES CLEAN OF MORTAR, GLUE, AND ALL RESIDUE - TYPICAL THROUGHOUT ALL INTERIOR SPACES U.N.O.
7	REMOVE ALL INTERIOR WALL AND BASE FINISHES ALONG ALL EXTERIOR WALLS - WHERE TEXTURED WALLS ARE PRESENT, SAND SMOOTH AND PREP TO RECIEVE NEW FINISHES - TYPICAL THROUGHOUT ALL INTERIOR SPACES U.N.O.
8	REMOVE FINISHES. PATCH/ REPLACE GYP BD AS NEEDED. PREP FOR NEW FINISHES.
9	REMOVE EXISTING ROOF TOP UNITS AND CAP EXISTING PENETRATIONS AS REQUIRED.
10	REMOVE EXISTING 3'-0" HOLLOW METAL DOOR AND PREPARE FOR NEW 3'-6" HOLLOW METAL DOOR.

CONSULTANT:



CLIENT:



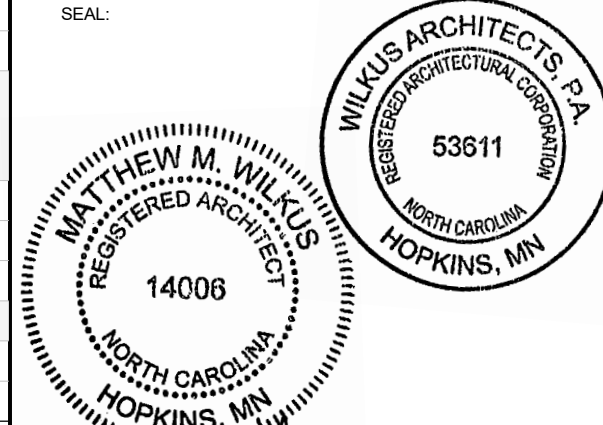
CHIPOTLE MEXICAN GRILL, INC.
PO BOX 18296
COLUMBUS, OH 43218-2968
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PROJECT INFORMATION:

STORE NO.: 5479
"HOPE VALLEY"
7021 NC - 751 HIGHWAY #901
DURHAM, NORTH CAROLINA 27707

SEAL:



August 08, 2024

MATTHEW M. WILKUS
LICENSE #14006
(EXPIRES 06/30/2025)

PROJECT NO. 2024-0145

DRAWN BY SAS / KDRB

CHECKED BY DLA / MMW / KAM

ISSUE RECORD:

04/29/2024	HEALTH SUBMITTAL
05/28/2024	PERMIT SET
07/08/2024	BID SET
08/06/2024	CONSTRUCTION SET

REVISIONS:

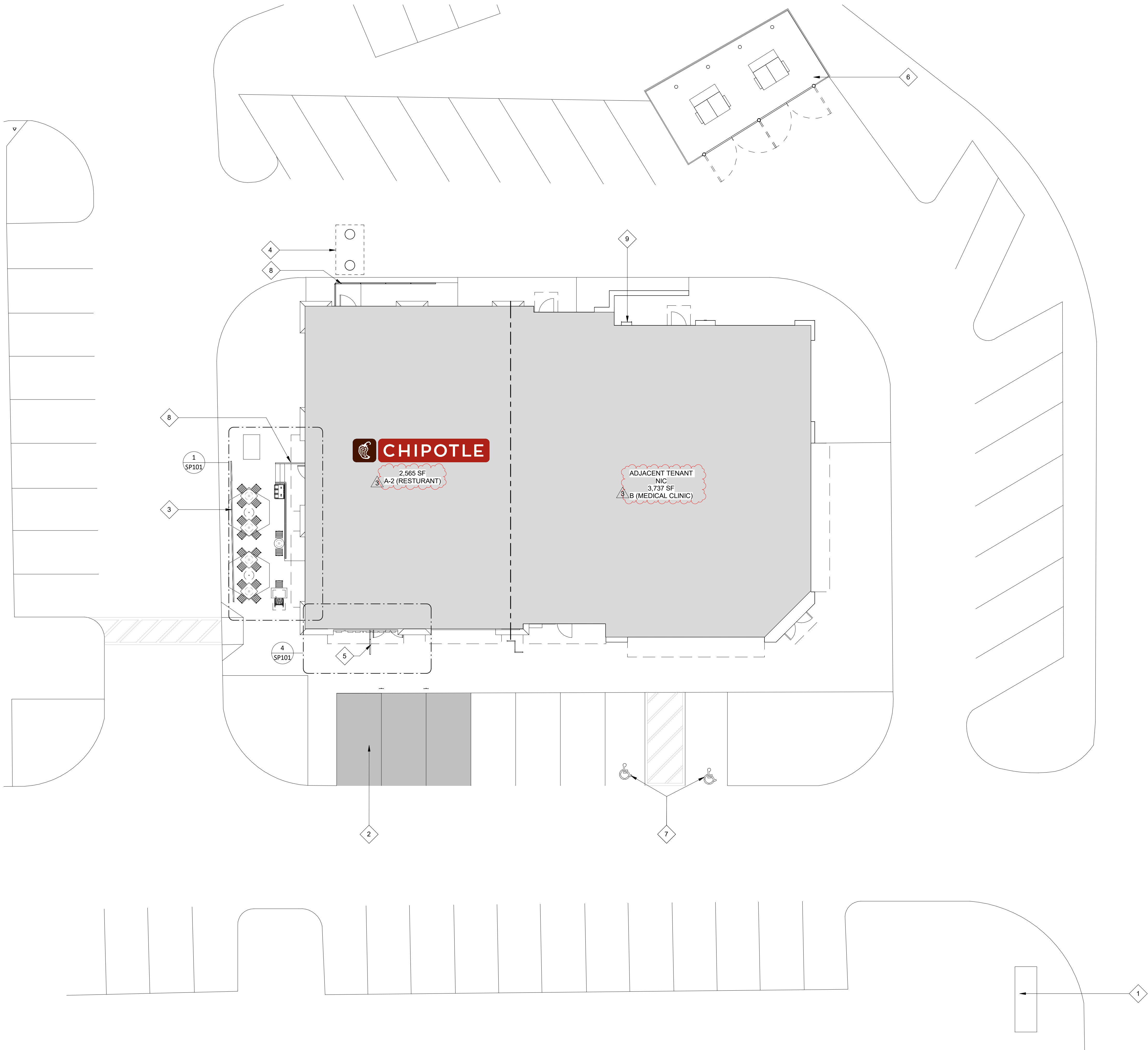
1 02/06/2024 GENERAL UPDATES

TITLE:

DEMOLITION PLAN

SHEET NUMBER:

D101



1 ARCHITECTURAL SITE PLAN
SCALE: 1" = 10'-0"

GENERAL NOTES - SITE PLAN

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

KEYNOTE LEGEND

- | | |
|---|--|
| 1 | MOUNUMENT SIGNAGE BASE LOCATION PROVIDED BY LANDLORD - SIGN CABINET AND POWER HOOK-UPS ARE TO BE PROVIDED BY THE SIGNAGE VENDOR. |
| 2 | THREE (3) SPACES MARKED FOR 'BURRITO LOADING ZONE' PARKING - TWO (2) FOUNDATIONS AND POLES PROVIDED BY GENERAL CONTRACTOR - SIGN PROVIDED BY THE SIGNAGE VENDOR AND INSTALLED BY GENERAL CONTRACTOR, |
| 3 | PATIO RAILING PROVIDED AND INSTALLED BY GC. |
| 4 | 1,500 GALLON GREASE INTERCEPTOR LOCATION - CHIPOTLE'S GENERAL CONTRACTOR TO REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION. |
| 5 | NEW STOOP AND RAILING, REFER TO STRUCTURAL FOR ADDITIONAL INFORMATION. |
| 6 | EXISTING 33'-0" X 16'-1" TRASH ENCLOSURE. |
| 7 | TWO (2) EXISTING ADA ACCESSIBLE PARKING SPACES MARKED WITH STRIPING AND SIGN POSTS. |
| 8 | EXISTING RAMP AND RAILING, SAND, CLEAN AND PAINT RAILING KNIGHTS ARMOR TO MATCH NEW RAILINGS. |
| 9 | EXISTING SHARED ROOF ACCESS. |

CONSULTANT:



CLIENT:



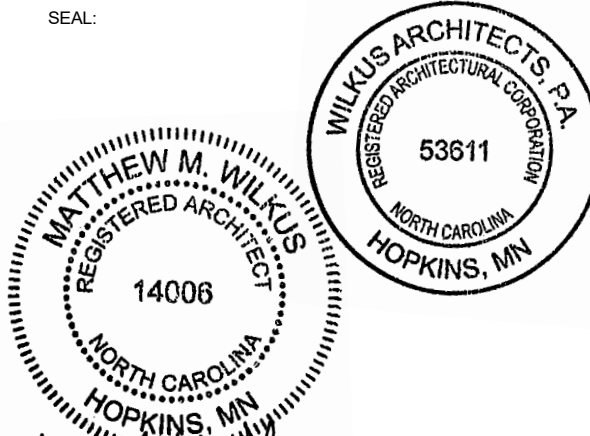
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08/06/2024	CONSTRUCTION SET

REVISIONS:

1	02/06/2024	GENERAL UPDATES
3	07/23/2024	CITY COMMENTS

TITLE:

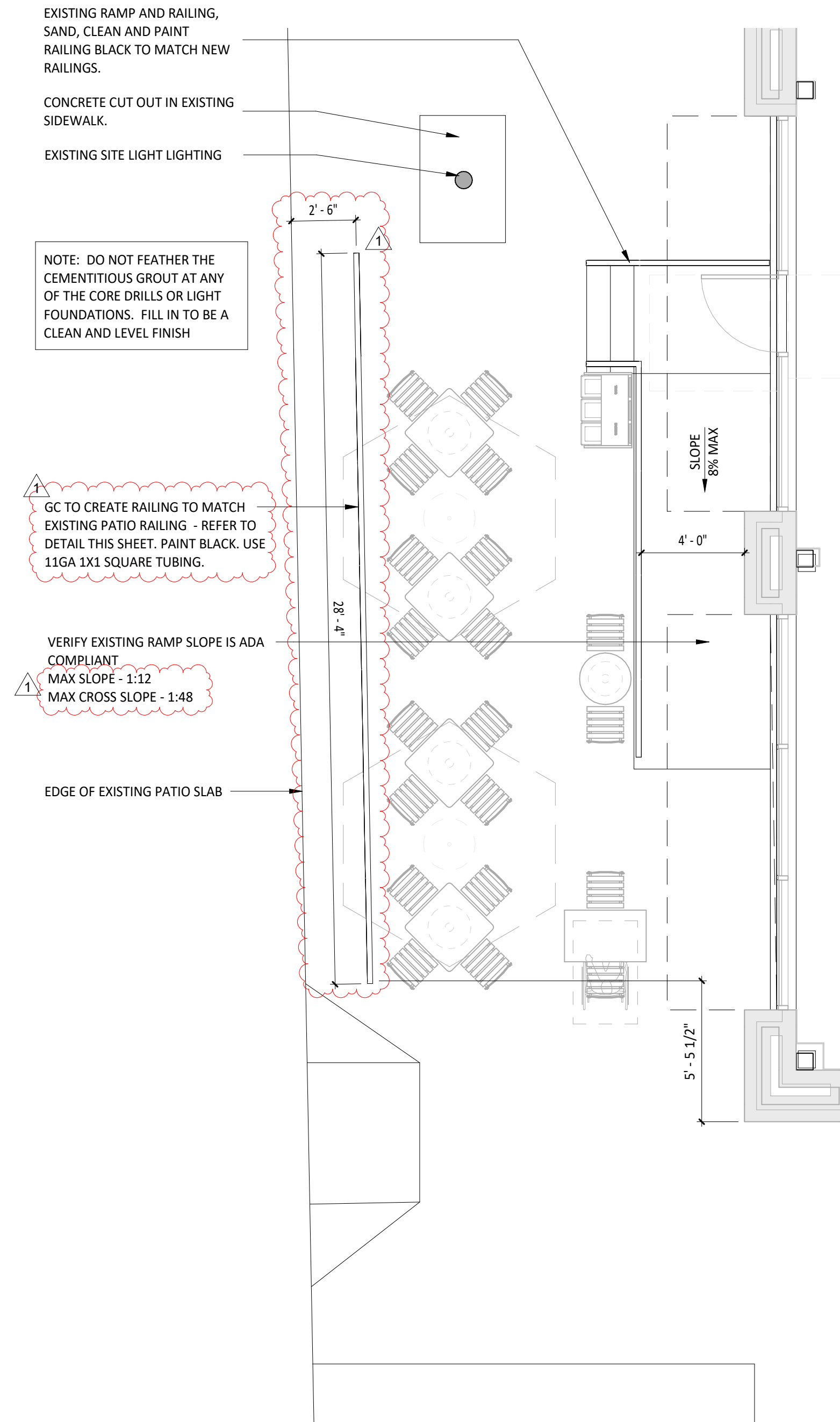
SITE PLAN

SHEET NUMBER:

SP100

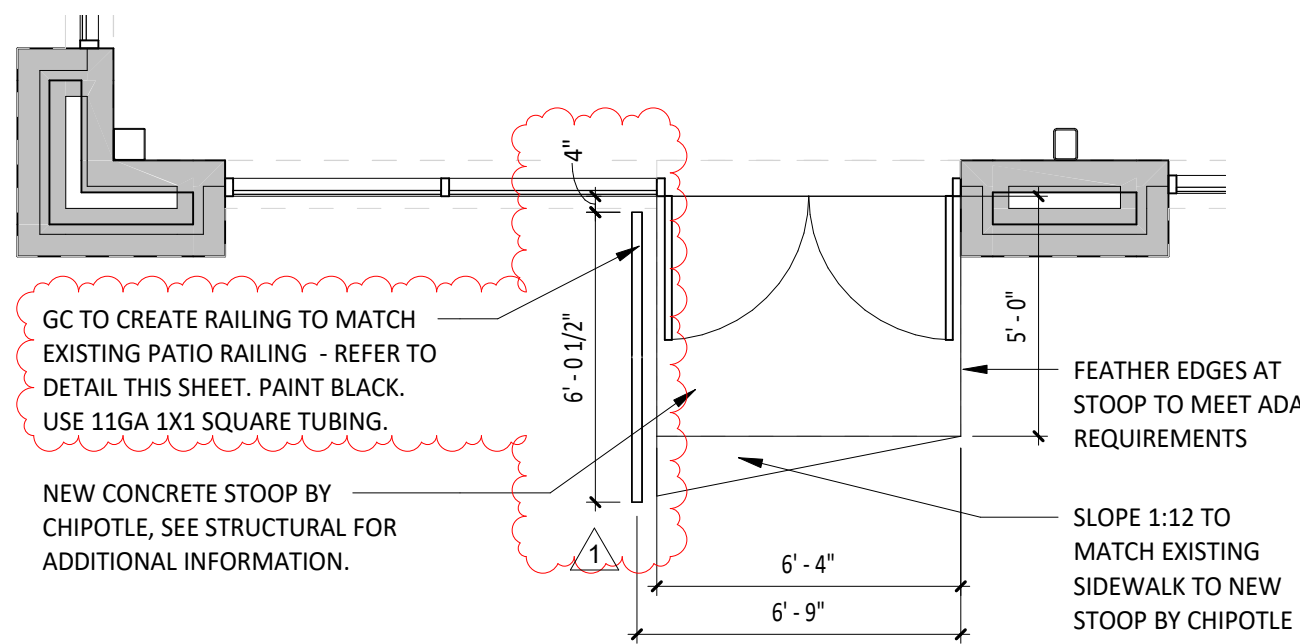
1 DIMENSIONED PATIO PLAN

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



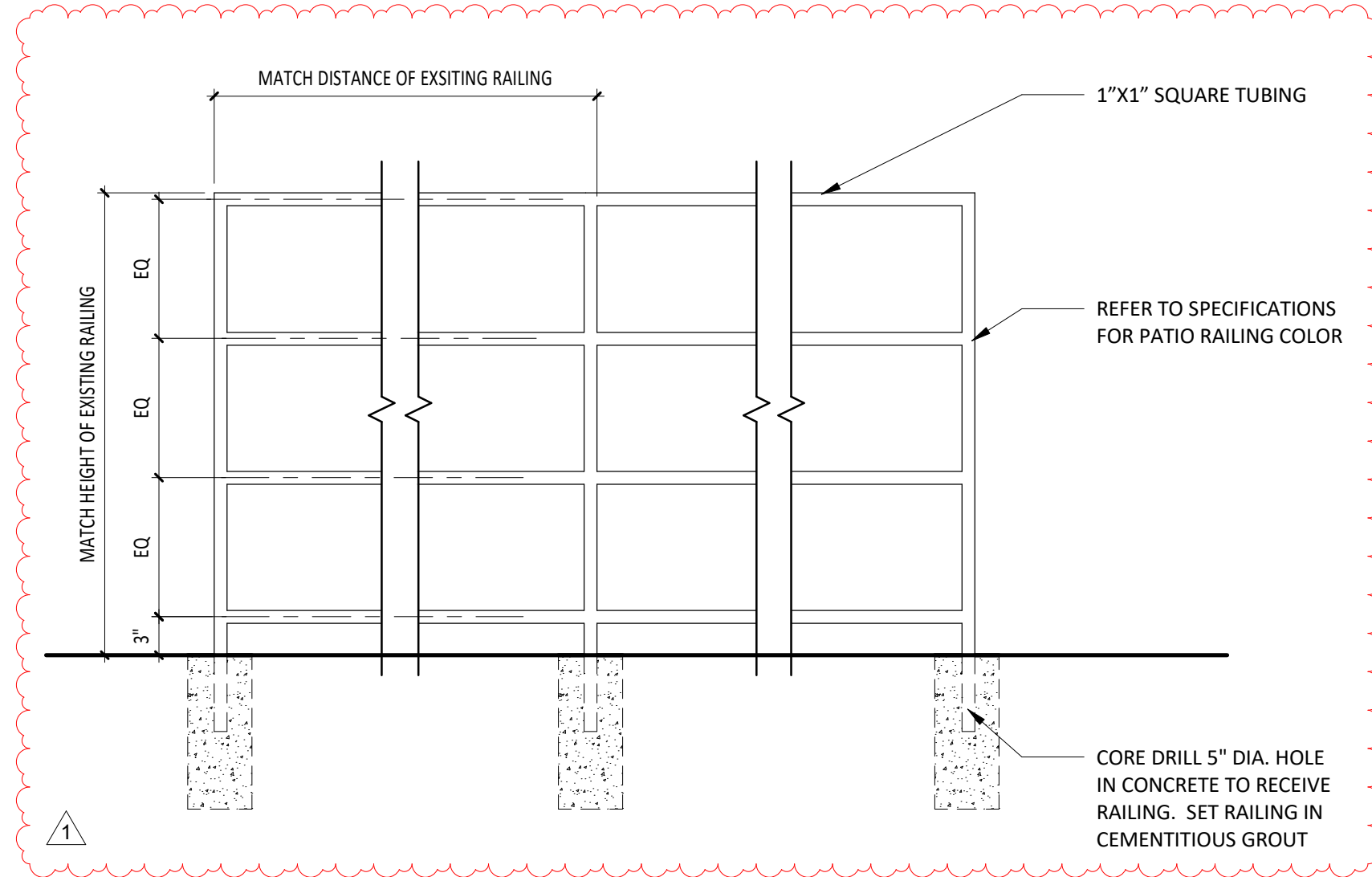
4 MAIN ENTRY STOOP PLAN

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



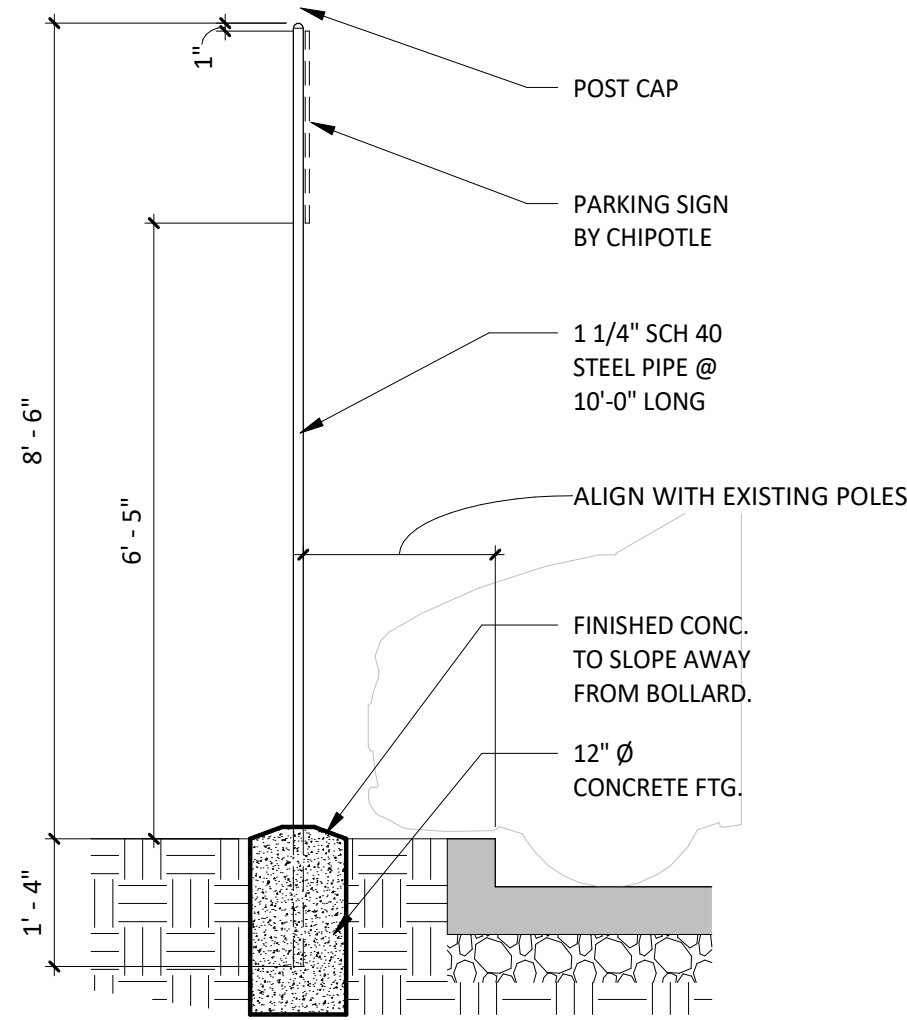
2 RAILING MOUNTING DETAIL

SCALE: 1" = 1'-0"



3 TYP. SIGN POST DETAIL

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



CONSULTANT:



CLIENT:



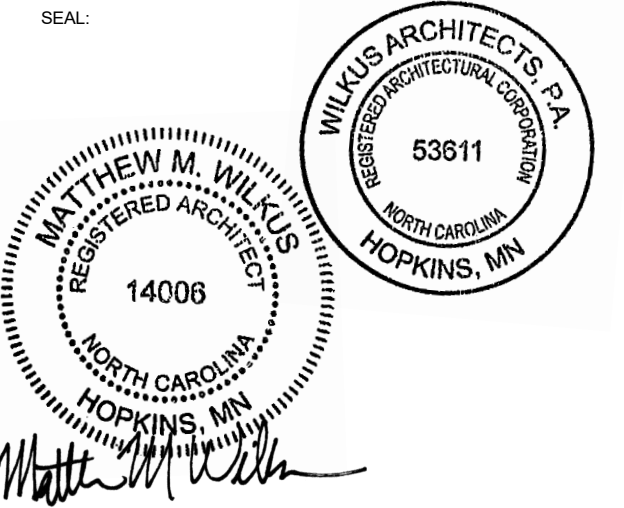
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DURHAM, NORTH CAROLINA 27707

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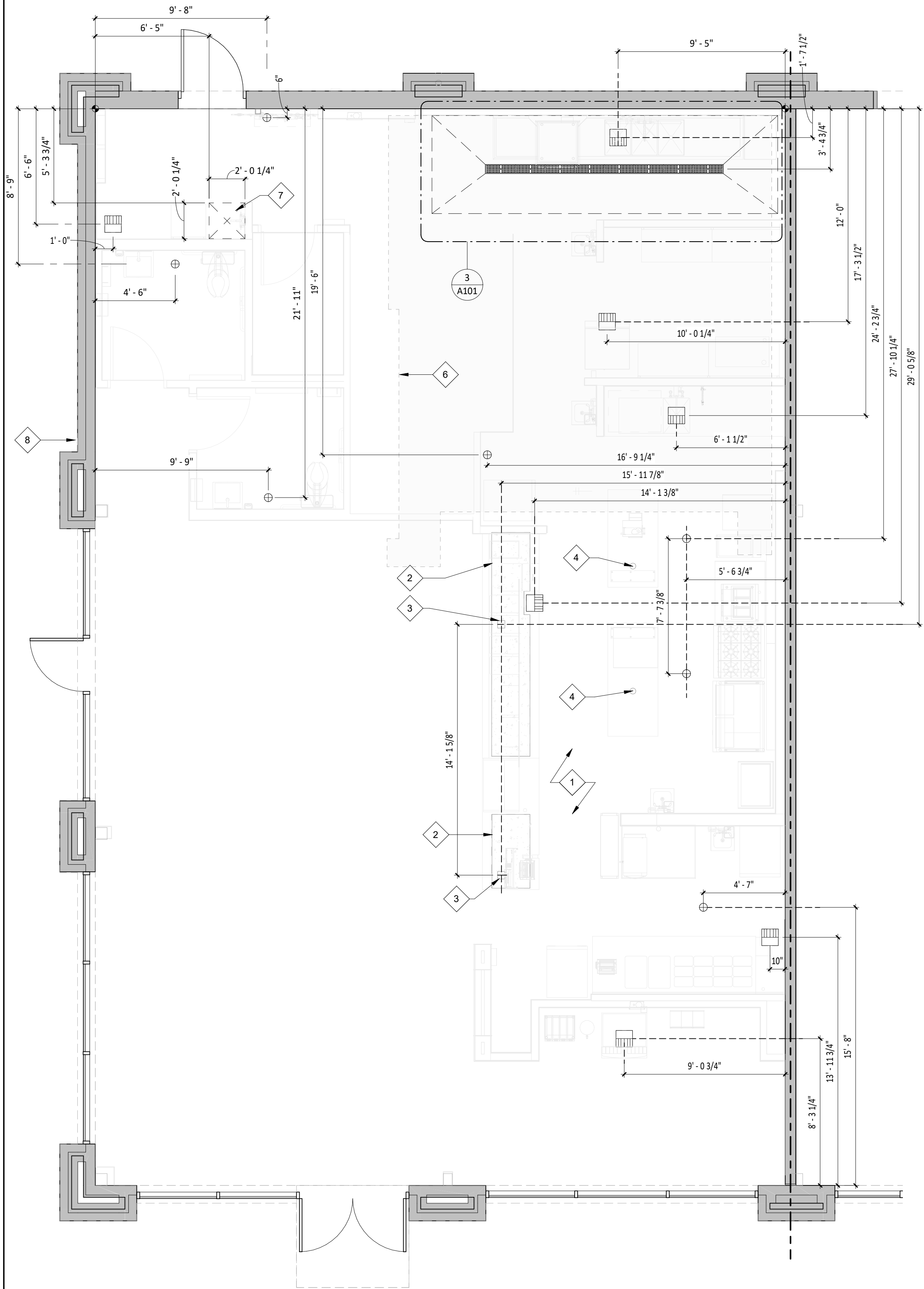
REVISIONS:
1 02/06/2024 GENERAL UPDATES

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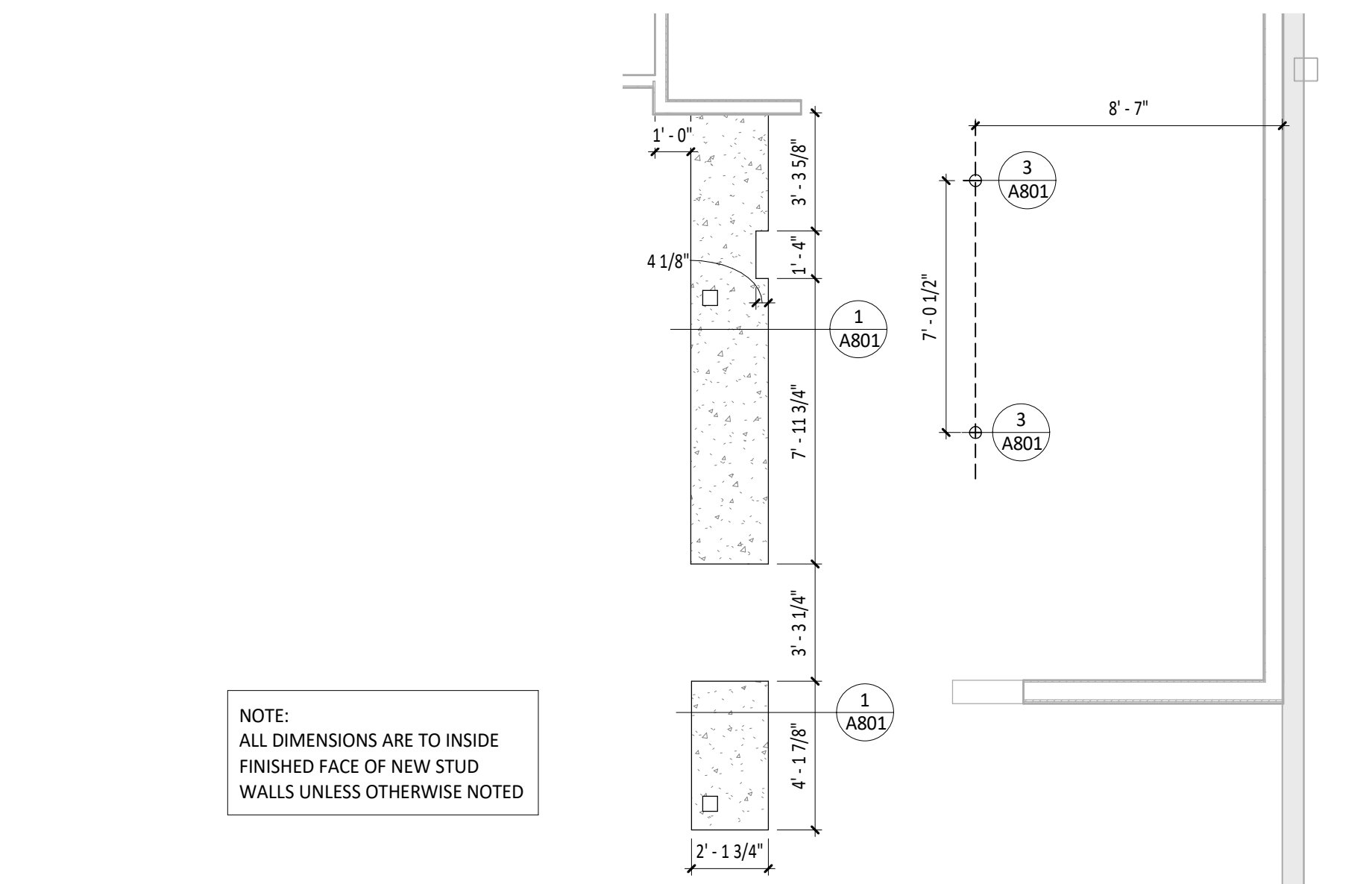
SITE DETAILS

SHEET NUMBER:

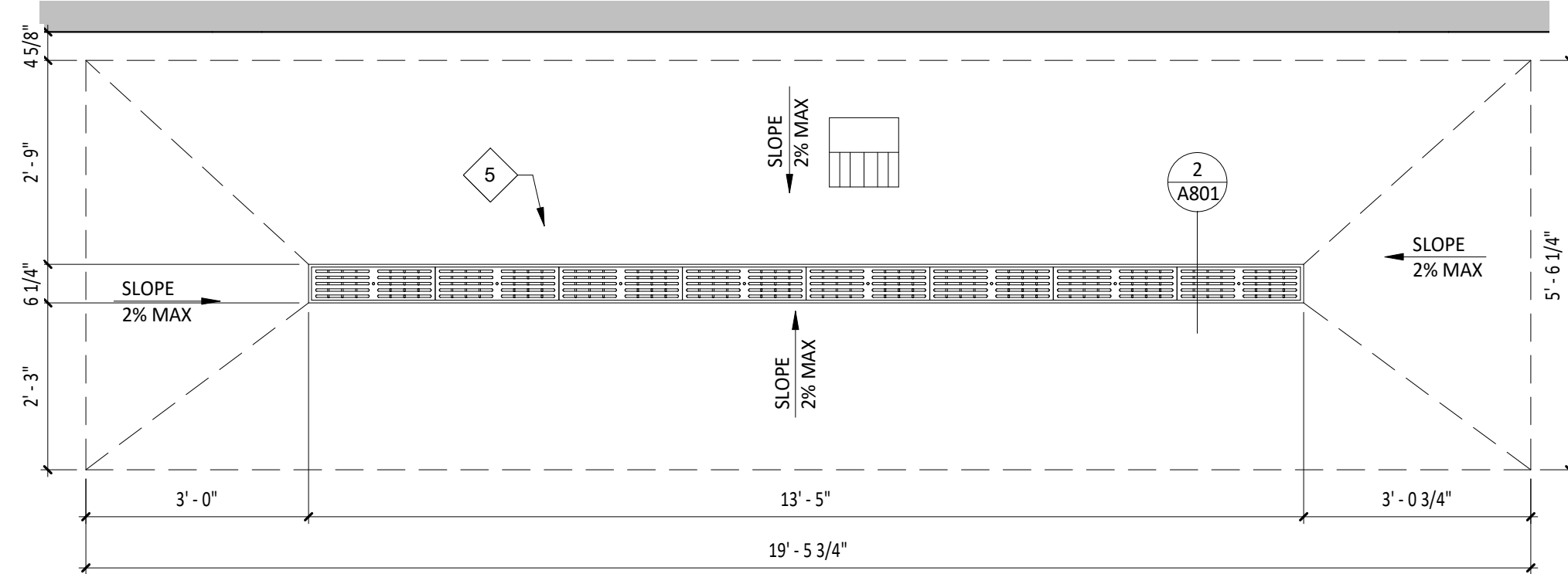
SP101



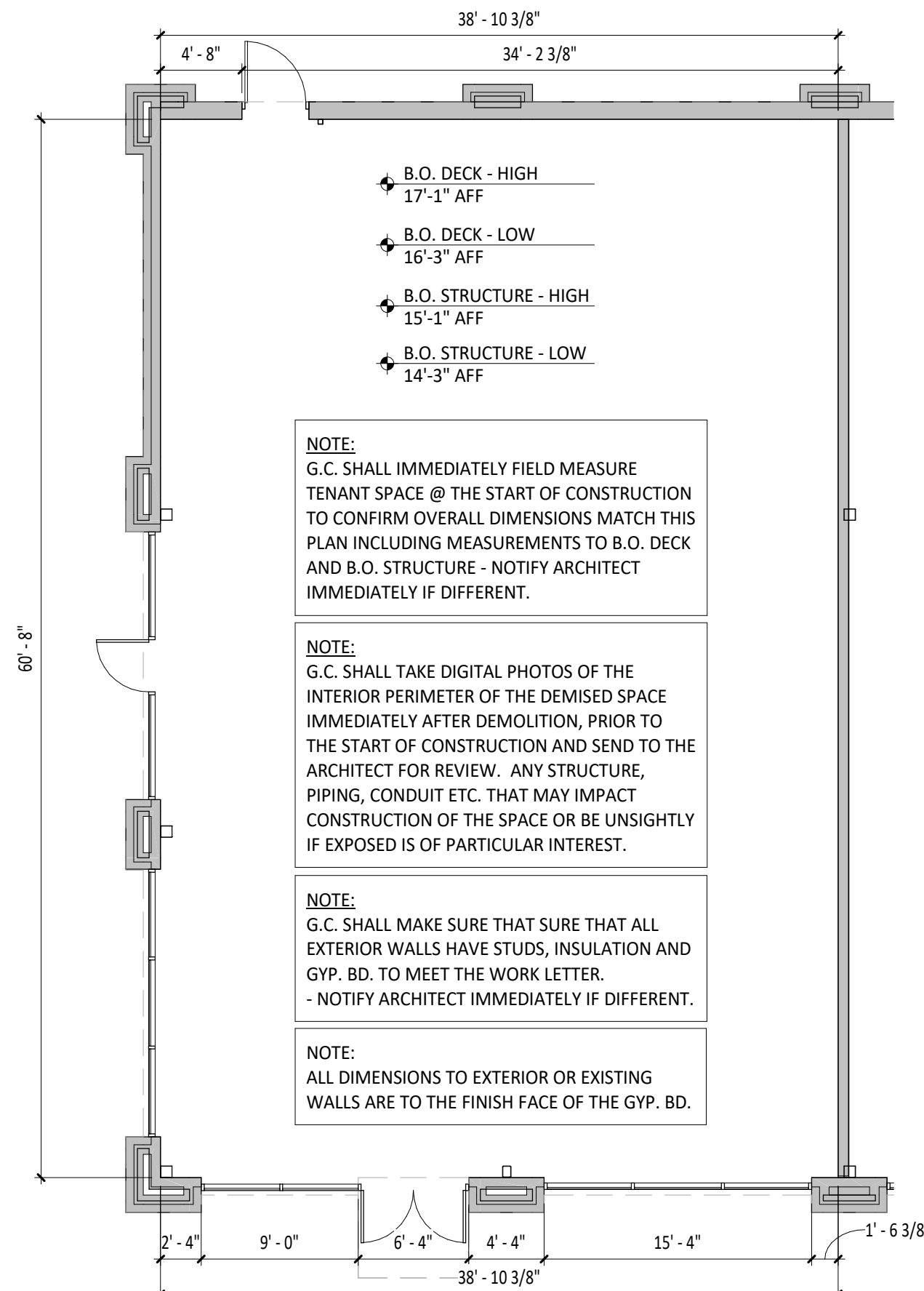
1 SLAB WORK PLAN
SCALE: 1/4" = 1'-0"



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



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



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

GENERAL NOTES - SLAB PLAN

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

PLUMBING LEGEND

FLOOR SINK LOCATION FLOOR DRAIN LOCATION

KEYNOTE LEGEND

- | | |
|---|--|
| 1 | EXISTING SLAB TO BE TRENCHED AS NEEDED PER PLUMBING AND ARCHITECTURAL PLANS. |
| 2 | 4" CONCRETE CURB - COORDINATE EXACT LOCATION WITH FINAL EQUIPMENT LOCATIONS - SEE DETAILS 1/A801 FOR ADDITIONAL INFORMATION. |
| 3 | 5" X 5" POWER STUB LOCATION - COORDINATE WITH ELECTRICAL PLANS FOR ADDITIONAL INFORMATION. |
| 4 | 4" PVC PIPE WITH 2" HIGH CONCRETE INFILL FOR POWER STUBS - TYPICAL OF TWO (2) - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. |
| 5 | TRENCH DRAIN TO BE RECESSED INTO SLAB A MINIMUM OF 8" THICK CONCRETE SLAB WITH 4" MINIMUM CONCRETE BED BELOW - REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS - SEE DETAIL 3/A101 FOR ADDITIONAL INFORMATION - SLOPE FLOOR IN THIS AREA ONLY TOWARDS DRAIN 1/40. |
| 6 | OUTLINE OF EXISTING SLAB LEAVE OUT, NEW APPROXIMATELY 500SF SLAB BY CHIPOTLE. |
| 7 | OUTLINE OF MOP SINK AS INDICATED. |
| 8 | REPLACE EXISTING HOSE BIBB WITH FROST PROOF HOSE BIBB. |

CONSULTANT:



CLIENT:



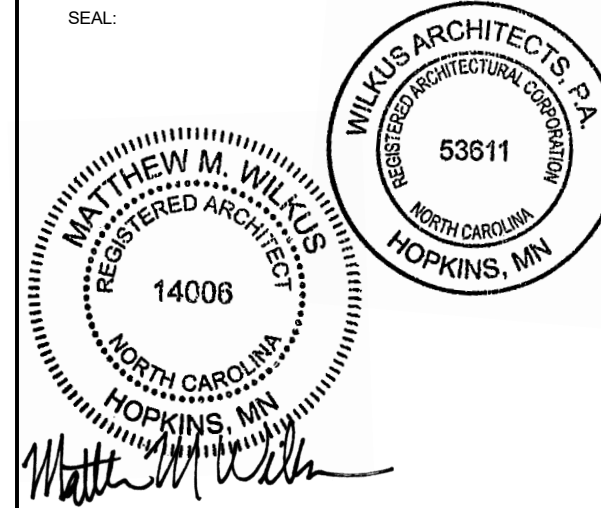
CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182966
COLUMBUS, OH 43218-2966
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PROJECT INFORMATION:

STORE NO.: 5479
"HOPE VALLEY"
7021 NC - 751 HIGHWAY #901
DURHAM, NORTH CAROLINA 27707

SEAL:



August 08, 2024

MATTHEW M. WILKUS
LICENSE #14006
(EXPIRES 06/30/2025)

PROJECT NO. 2024-0145
DRAWN BY SAS / KDRB
CHECKED BY DLA / MMW / KAM

ISSUE RECORD:

04/29/2024	HEALTH SUBMITTAL
05/28/2024	PERMIT SET
07/08/2024	BID SET
08/06/2024	CONSTRUCTION SET

REVISIONS:

TITLE:

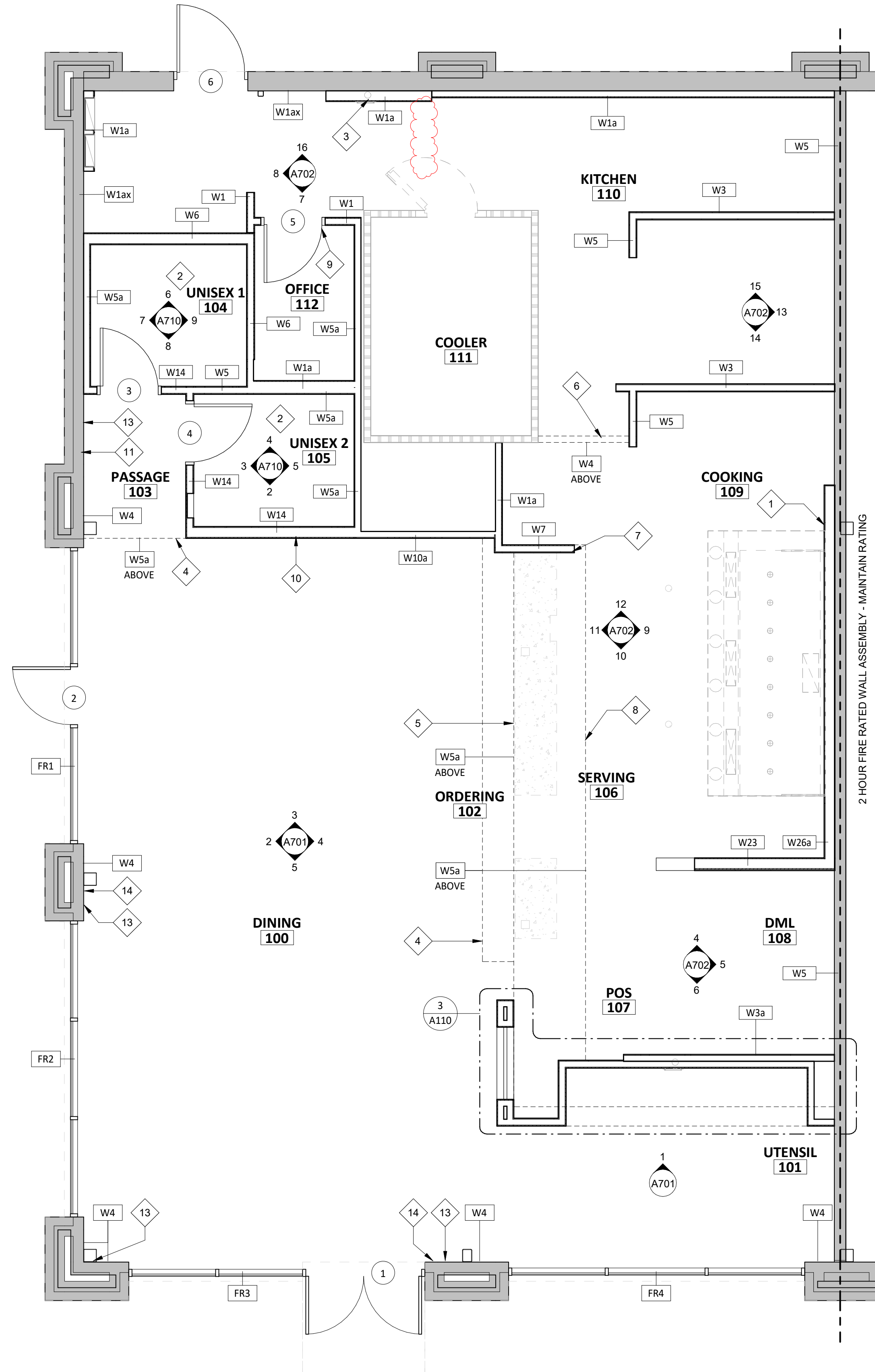
SLAB WORK PLAN

SHEET NUMBER:

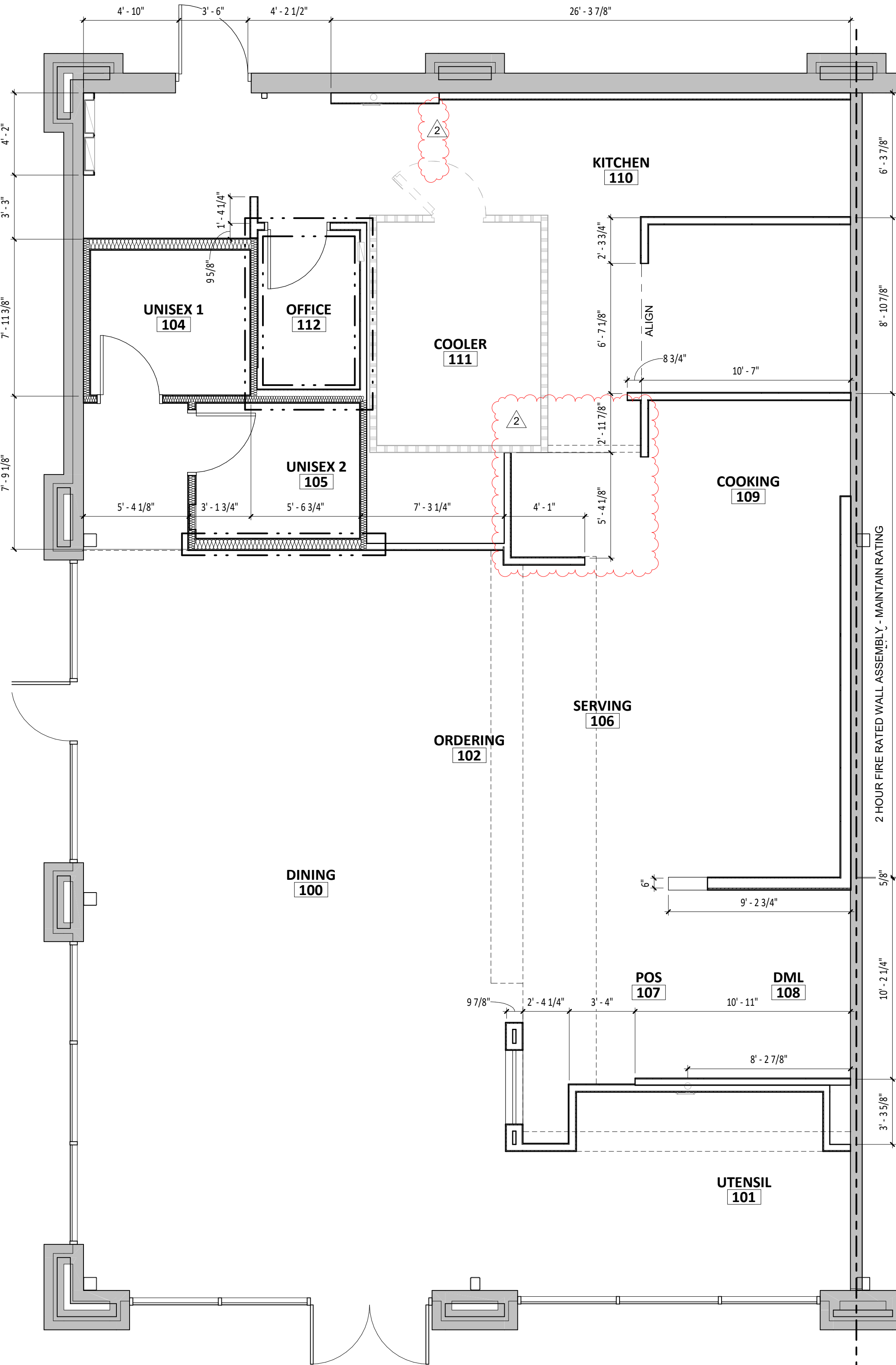
A101

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. DENSSHIELD TILE BACKER BOARD SHALL NOT BE INSTALLED OVER VAPOR BARRIERS AT EXTERIOR WALLS.
- N. MOISTURE RESISTANT GYP. BD. SHALL BE USED IN RESTROOMS.



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



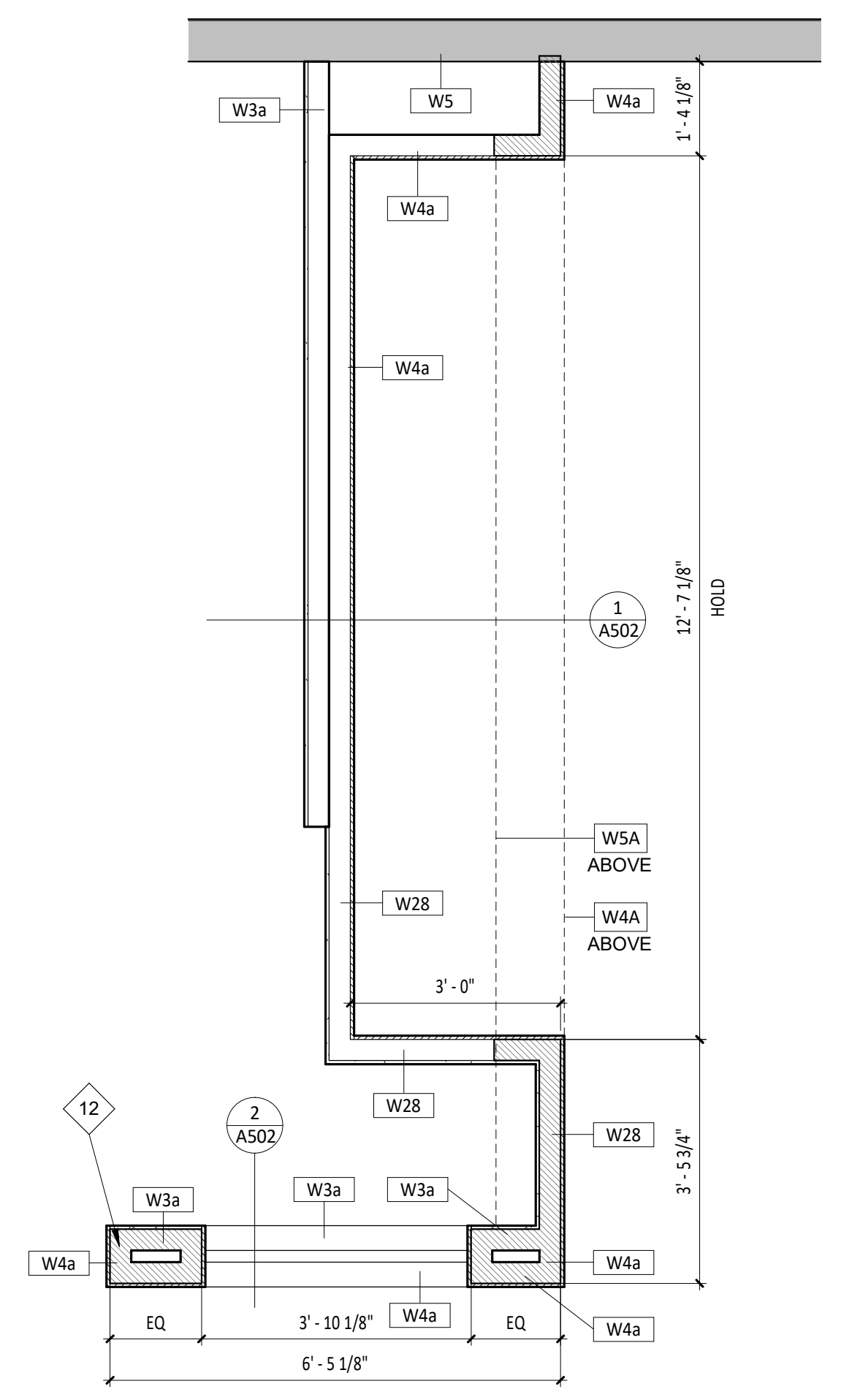
2 DIMENSIONED FLOOR PLAN
SCALE: 1/4" = 1'-0"

WALL TYPE LEGEND

NEW CONSTRUCTION	INDICATES LOCATION OF ITEMS ABOVE
EXISTING CONSTRUCTION	DESIGNATES WALLS & SHEATHING TO EXTEND TO DECK
NEW CONSTRUCTION WITH SOUND BATT INSULATION	DESIGNATES EXISTING TWO (2) HOUR RATED ASSEMBLY (BY OTHERS)
WALK-IN COOLER	

KEYNOTE LEGEND

- WHERE GREASE EXHAUST HOOD INTERSECTS WALLS, PROVIDE 24 GAUGE GALVANIZED METAL FROM TOP OF WALL TO 18" PAST HOOD IN ALL DIRECTIONS.
- FOR ALL REQUIRED BLOCKING LOCATIONS, REFER TO ELEVATIONS ON A710.
- SODA CHASE BEYOND - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- DASHED LINES INDICATE LOCATION OF SOFFIT ABOVE - REFER TO A201 FOR ADDITIONAL INFORMATION.
- DASHED LINES INDICATE LOCATION OF SOFFIT WALL TO DECK ABOVE - REFER TO A201 FOR ADDITIONAL INFORMATION.
- DASHED LINES INDICATE LOCATION OF HEADER ABOVE - REFER TO A201 FOR ADDITIONAL INFORMATION.
- CONCRETE CURB TO BUTT UP AGAINST FACE OF FRAMING.
- EDGE OF GYP. BD. CEILING ABOVE, REFER TO A201 FOR DETAILS.
- PROVIDE MOUNTING BOARDS FOR SECURITY SYSTEMS AND TELECOMS - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- PROVIDE IN WALL BLOCKING FOR ARTWORK.
- PROVIDE IN-WALL BLOCKING FOR LICENSE FRAME AS REQUIRED.
- HATCH LOCATED WITHIN WALLS AS SHOWN INDICATES THAT TOP OF FRAMING IS TO NOT EXCEED 10'-0" A.F.F.
- PROVIDE 25 GAUGE GLAVANIZED METAL TO 50 1/2" A.F.F.
- EXTEND GYPSUM WALL BOARD TO BOTTOM OF HORIZONTAL STRUCTURAL BEAM, LATERAL BRACING TO REMAIN EXPOSED. SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.



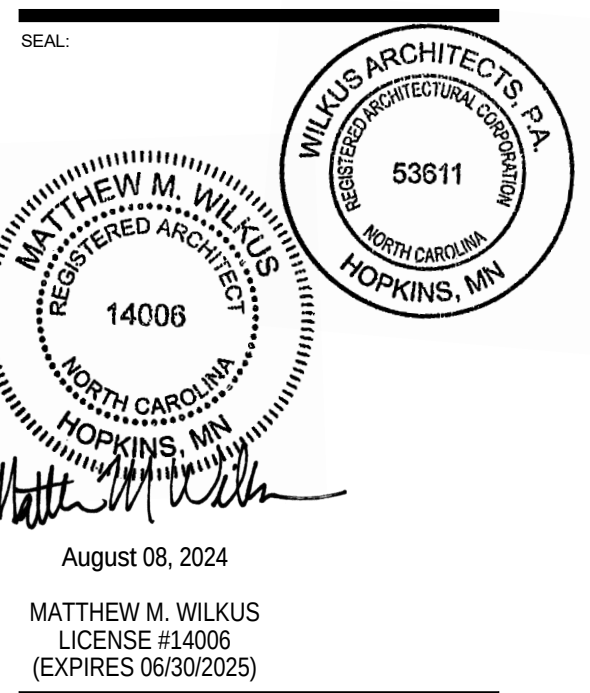
3 ENLARGED UTENSIL/MOPUS PLAN
SCALE: 1/2" = 1'-0"



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PROJECT INFORMATION:

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"HOPE VALLEY"
7021 NC - 751 HIGHWAY #901
DURHAM, NORTH CAROLINA 27707



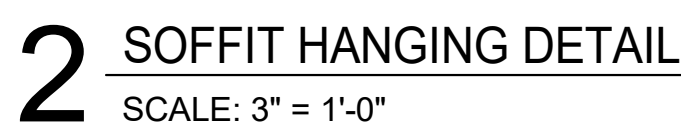
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DRAWN BY SAS / KDRB
CHECKED BY DLA / MMW / KAM

ISSUE RECORD:	
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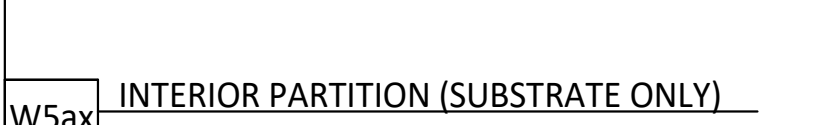
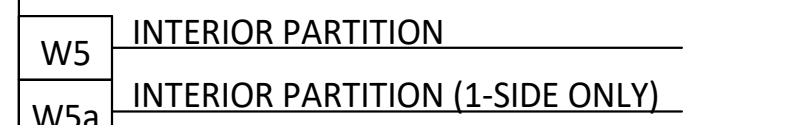
REVISIONS:
2 07/08/2024 DB03 2024

TITLE:
ARCHITECTURAL
FLOOR PLAN

SHEET NUMBER:
A110



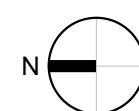
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W1a	INTERIOR PARTITION (1-SIDE ONLY)



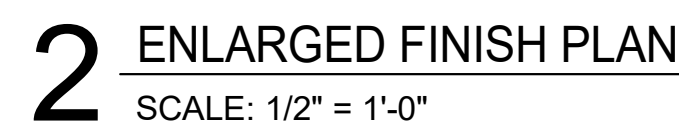
REVISIONS

SHEET NUMBER

A111



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	STONWOOD
F3	EXISTING EXTERIOR CONCRETE	B3	BLACK RUBBER, COVE	C3	GYP BD; PAINT "MOONLIT SNOW"
F4	SEALED CONCRETE	B4	QUARRY TILE, COVELESS	C4	2X4 VINYL-FACED LAY-IN
F5	RESINOUS FLOORING	B5	CERAMIC TILE	C5	FELT BAFFLES
F6	PORCELAIN TILE				
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	EXISTING STOREFRONT		
		P11	STONWOOD WALL PANEL		
		P12	EXISTING PREFINISHED BRAKE METAL		
		P13	STAINLESS STEEL		



1	FRP ENCLOSURE PANEL AT COOLER GAP - REFER TO A801 FOR ADDITIONAL INFORMATION.
2	PROVIDE STAINLESS STEEL ON WALL TO 24" ABOVE TOP OF MOP SINK - FLASH BOTTOM EDGE OVER MOP SINK RIM - BEND STAINLESS STEEL AT INSIDE CORNER SO THERE IS NO JOINT - REFER TO A801 FOR ADDITIONAL INFORMATION.
3	GENERAL CONTRACTOR TO PROVIDE 18 GAUGE STAINLESS STEEL SHROUD AROUND EXPOSED LINES AT ICE MAKER.
4	PROVIDE TOP CORNER AT TRANSITION FROM GYPSUM BOARD CEILING TO FRP WALL REFER TO A210.
5	COOLER WALL PANELS AS PROVIDED BY THE COOLER MANUFACTURER HAVE A 26-GAUGE COATED AND EMBOSSED STEEL FINISH.
6	CONCRETE CURB FOR EQUIPMENT WITH QUARRY TILE BASE AT ALL EXPOSED EDGES.
7	EXTENT OF QUARRY TILE FROM KITCHEN.
8	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
9	ALIGN LOW EDGE OF RENO RAMP WITH FRONT EDGE OF EQUIPMENT CURB AND FACE OF ADJACENT WALL BASE FINISH.

A120

GENERAL NOTES - FF& E

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

KEYNOTE LEGEND

- 1 ELECTRICAL PANEL LOCATION - SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- 2 WATER FILTER ABOVE - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- 3 CO2 REMOTE FILLER - VERIFY FINAL LOCATION WITH CHIPOTLE'S CONSTRUCTION MANAGER.
- 4 DOORBELL LOCATION - INSTALL BETWEEN 36" AND 48" A.F.F. - REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- 5 CHEMICAL CLEANING DISPENSING SYSTEM WITH INTEGRAL AIR GAP - REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION.
- 6 BYPASS DISTRIBUTION PANEL - SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- 7 OFFICE DESK AND SHELVING - REFER TO SHEET A702 AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- 8 FUTURE REACH IN COOLER, KEEP CLEAR
- 9 ANSUL PULL TO BE LOCATED 48" A.F.F. TO THE CENTER OF UNIT ABOVE THE TIMECLOCK LOCATION.
- 10 KRONOS TIMECLOCK WILL BE LOCATED 44" A.F.F. TO THE TOP OF UNIT - CENTER KRONOS UNIT IN WALL - REFER TO ELECTRICAL DRAWINGS.
- 11 HOLD TRASH SURROUND OFF 2" AROUND ADJACENT WALL SURFACES - TYPICAL.
- 12 DASHED LINE INDICATES LOCATION OF HOOD ABOVE.
- 13 TELEPHONE BOARD ABOVE - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 14 FUTURE REACH IN COOLER, KEEP CLEAR



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PROJECT INFORMATION:

STORE NO.: 5479
"HOPE VALLEY"
7021 NC - 751 HIGHWAY #901
DURHAM, NORTH CAROLINA 27707



August 08, 2024
MATTHEW M. WILKUS
LICENSE #14006
(EXPIRES 06/30/2025)

PROJECT NO. 2024-0145
DRAWN BY SAS / KDRB
CHECKED BY DLA / MMW / KAM

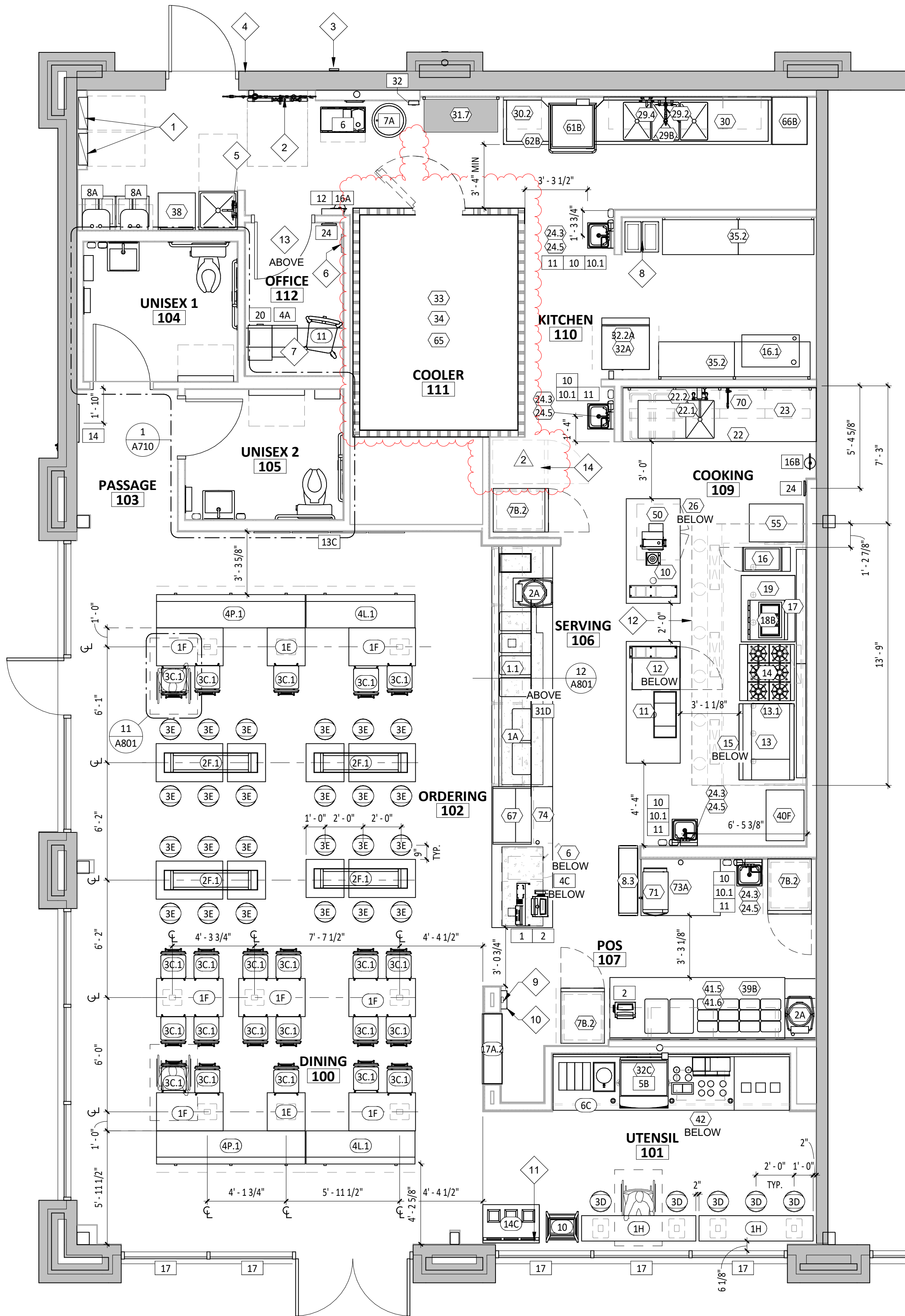
ISSUE RECORD:
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08/06/2024 CONSTRUCTION SET

REVISIONS:
2 07/08/2024 DB03 2024

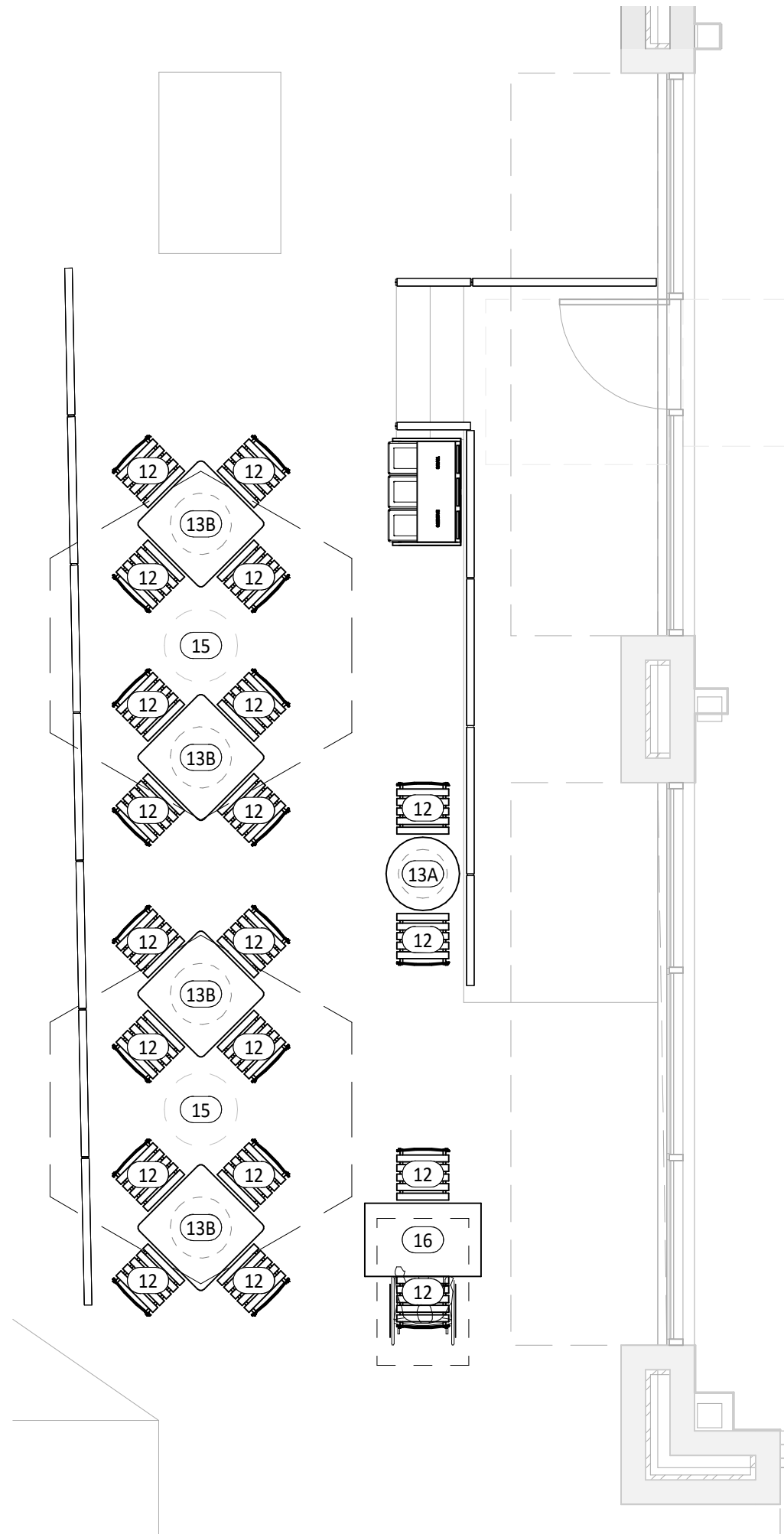
TITLE:
FF&E PLAN

SHEET NUMBER:

A130



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



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



KITCHEN EQUIPMENT LIST

TAG	DESCRIPTION	MANUFACTURER	MODEL NO.	QTY	FURNISHED BY	INSTALLED BY	UTILITY				REMARKS
							ELEC	GAS	WATER	SEWER	
1.1	Sneeze Guard Serve Line 12 Pan (Left)	BSI	Custom-L	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.2	Upright Beverage Cooler, Single Door, Hinge Right	Varies	Varies - Solid Door	3	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 - Left	Delfield	77x34in Carving Station - LT	1	KES	KES	●				
12	Undercounter Refrigerator	Hoshizaki	CRMR27-LP	1	KES	KES	●				
13	Grill 48in - Natural Gas - Divider Right	Woodstone	WS-PL-48-36-4-CT-Right	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 Right	Woodstone	000-PL-STAND-CASTER	1	KES	KES					
16	Fryer - Gas - Standard Efficiency	Varies	Varies	1	KES	KES	●	●			Mounted On Legs, G.C. To Pin Front Legs To Floor
16.1	Grease Caddy	Varies	Chipotle Grease Caddy - RH	1	KES	KES					
17	Cook Line Stand Off - 72x6	Nationwide Fab; Marlo Mfg	CHP-6WS-6	2	KES	KES					Mount Top of Flat Surface at 33" AFF, Install Screws at Each Stud Location, Provide Blocking To Mount To Wall
18B	Gas Rice Cooker	Woodstone	WS-GRC-60	1	KES	GC	●	●			Final Connection by GC. RE:Mechanical Drawings
19	Rice Cooker Stand - Right	Nationwide Fab; Marlo Mfg	CHP-RCS-42ES-34	1	KES	KES					
22	Prep Sink - Corner - Right	Trimark	S1-122x34-US-FF-R	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.
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-1033-12CR8/JSK Substitute Sprayer B-0107-J-SVV	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
32.1B	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	2	KES	KES			●		
32.4	Ice Maker - Scale Inhibitor	Cuno	CFS440-HT	2	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.
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					
35.2	Dry Storage Racks 23x96x85in	Varies	Custom	2	KES	KES					Mount Bottom Of Standard At 12" AFF. Provide Plywood Blocking To Mount To Wall.
37	Mop Sink Faucet	T&S	B-0660-BSTR	1	KES	GC			●		
37.1	Mop Sink Chemical Faucet	T&S	B-2345-01-XX	1	KES	GC			●		GC To Provide Connection For Chemical Dispensing Equipment
38	6 Shelves - Chemical Storage Rack	Varies	Custom	1	KES	KES					Mount Bottom Of Standard At 12" AFF. Provide Plywood Blocking To Mount To Wall.
39B	DML 2.0 130in – Left – W/POS & Cash Drawer	Franke/Delfield	DML 2_0_LT-130x39	1	KES	KES	●			●	
39B.1	DML 2.0 Wall Trim Package	Franke/Delfield	DML 2.0 Trim Kit	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
50	Food Processor	Sammic	CA-31	1	KES	KES					
55	Filler Table - 24x34in	Trimark	TS-24x34x36-US-C	1	KES	KES					
61B	Dish Machine (w/Pump)	Hobart	AM16SCB	1	KES	KES	●		●	●	
62B	Dish Table 30x30	Babington Technology	CDT-30X30X36.5-B-L	1	KES	GC					
65	Utility Cart (Not Shown)	Select Stainless	30SU-22-14-C4-TUBS-CUSTOM	1	KES	GC					Provided As Part Of The WIC Shelving
66B	Drop-Off Table - 22x30in	Trimark	TS-22x30x31-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
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	4	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	1	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					●	●	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
31D	14inx31in Menu System	1	TMB	GC					
32	CO2 Alarm	1	CO2AS	GC	●				Refer to Electrical Drawings for Additional Details.
33A	M4.0 - Pick-Up Sign - Single Faced - Flush Mounted - Face	2	TSV	GC					

FURNITURE LIST

TAG	DESCRIPTION	QTY	FURNISHED BY	INSTALLED BY	UTILITY				REMARKS
					ELEC	GAS	WATER	SEWER	
1E	M4.0 - Table 24x24in - Rectangular Base	2	TMS	GC					
1F	M4.0 - Table 24x42in, Rectangular Base (Accessible)	7	TMS	GC					See Detail On A130
1H	M4.0 - Community Table - Low - Window - Length Varies	2	TMS	GC					
2F.1	M4.0 - Bar Height Table 6-Top, With Footrest	4	TMS	GC					One Coat Hook Per Two Seats, Confirm Mounting Location With Shop Drawings
3C.1	M4.0 - Dining Room Chair	22	TMS	GC					
3D	M4.0 - Marshmallow Stool - Fixed	5	TMS	GC					Align Seat With Seam Perpendicular To Table Edge
3E	M4.0 - Bar Stool - Fixed	24	TMS	GC					Align Seat With Seam Perpendicular To Table Edge
4L.1	Banquette Bench (Black) - Floor Mount	2	TMS	GC					
4P.1	Banquette Bench (Black) - Floor Mount	2	TMS	GC					
6C	M4.0 - Beverage Counter - With Trash - 4" Splash - 149"	1	TMS	GC				●	Coordinate Floor Drain Installation with Utensil Counter Installation, Bins and Sign Hooks Provided by Tundra in Smallwares Package, Install Hooks on Back of Doors
10	Child's High Chair	1	T	GC					
11	Office Chair, By Tenant	1	T	T					By Tenant
12	Patio Chair - Bistro	20	KES	GC					Provided by EMU America, Contact: Carol Hughes (303-744-3200)
13A	24in Round Bistro Table	1	KES	GC					Provided By EMU America, Contact: Carol Hughes (303-744-3200)
13B	30in Square Bistro Table	4	KES	GC					Provided By EMU America, Contact: Carol Hughes (303-744-3200)
14A	3 Bin Trash/Recycling Surround - Exterior	1	TMS	GC					Bins Provided by Tundra in Smallwares Package
14C	M4.0 - 3 Bin Trash/Recycling Surround - Interior	1	TMS	GC					Bins Provided by Tundra in Smallwares Package
15	Patio Umbrella	2	KES	GC					
16	Accessible Patio Table	1	KES	GC					Provided By EMU America, Contact: Carol Hughes (303-744-3200)
17A.2	MOPUS Shelving - 44"	1	TMS	GC					GC To Provide Blocking In Walls At The Ends Of The MOPUS Shelf To Secure Shelves, Wood Edge Of The Shelves To Face The Dining Room

CONSULTANT:



WILKUS ARCHITECTS

CLIENT:



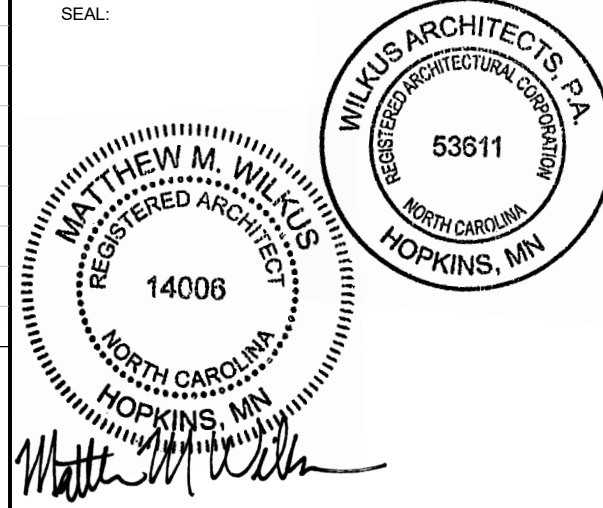
CHIPOTLE MEXICAN GRILL, INC.
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PROJECT INFORMATION:

STORE NO.: 5479
"HOPE VALLEY"
7021 NC - 751 HIGHWAY #901
DURHAM, NORTH CAROLINA 27707

SEAL:



Matthew M. Wilkus
August 08, 2024
MATTHEW M. WILKUS
LICENSE #14006
(EXPIRES 06/30/2025)

PROJECT NO. 2024-0145

DRAWN BY SAS / KDRB

CHECKED BY DLA / MMW / KAM

ISSUE RECORD:

04/29/2024	HEALTH SUBMITTAL
05/28/2024	PERMIT SET
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08/06/2024	CONSTRUCTION SET

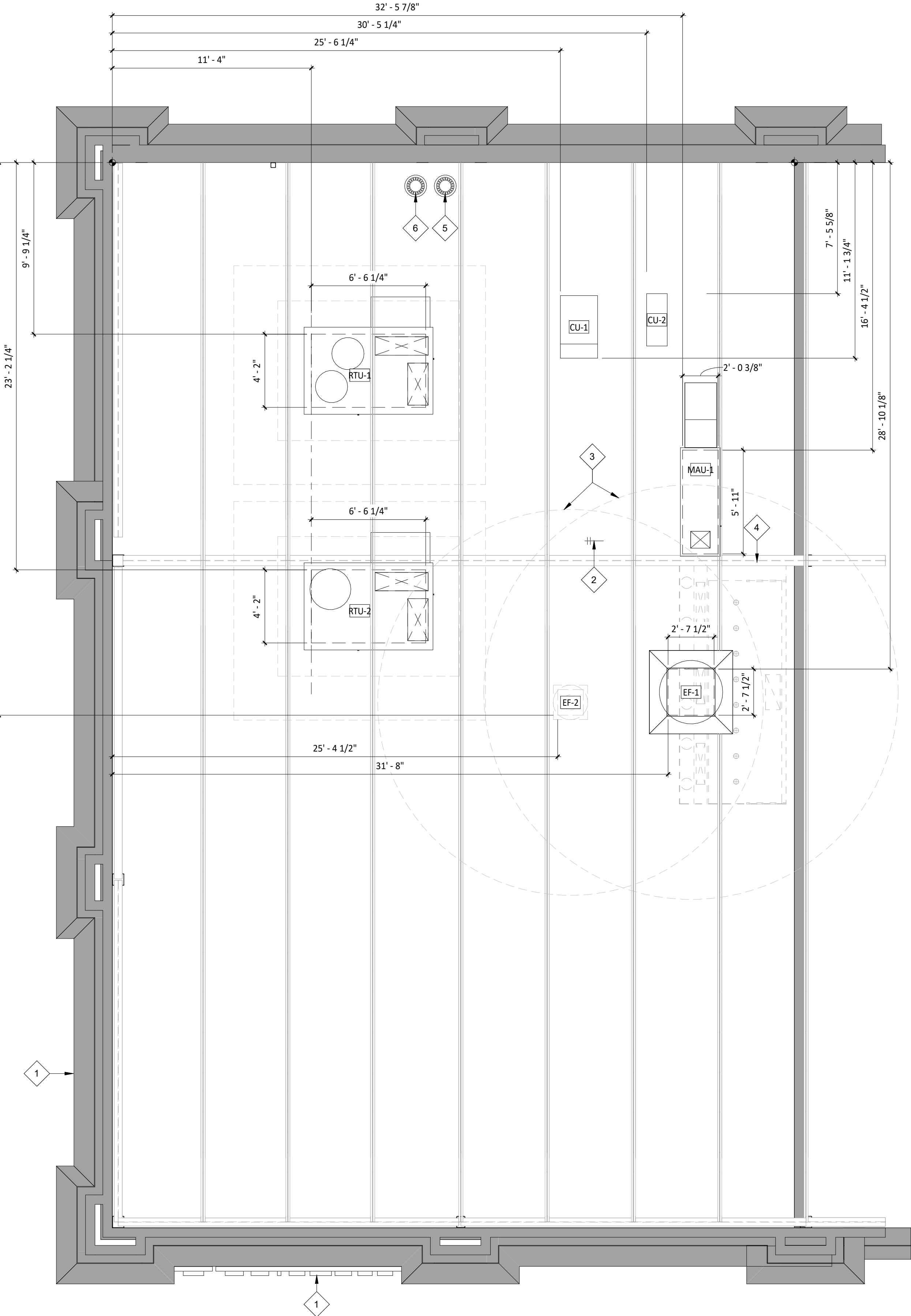
REVISIONS:

TITLE:

FF&E SCHEDULES

SHEET NUMBER:

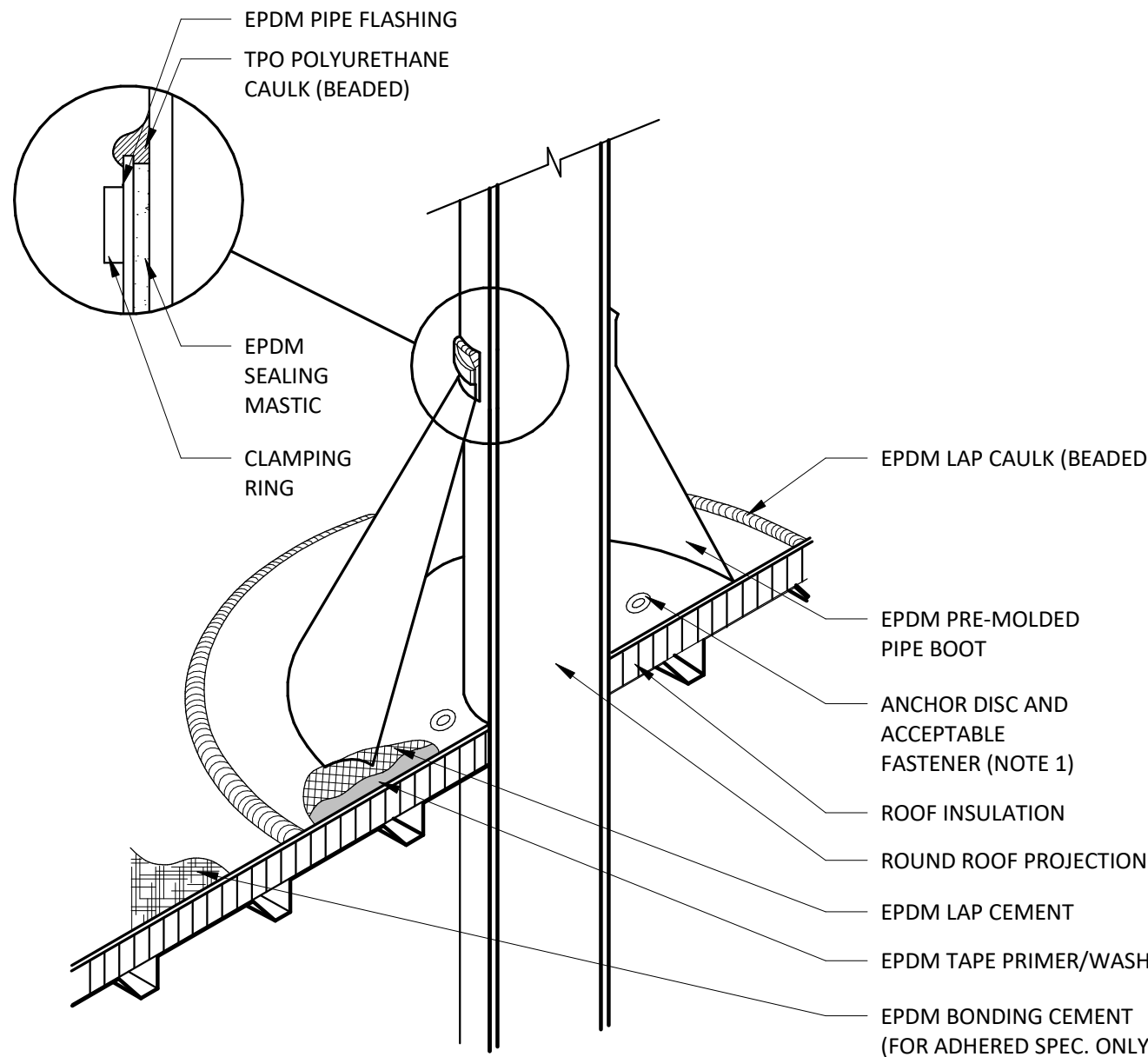
A131



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

HVAC EQUIPMENT

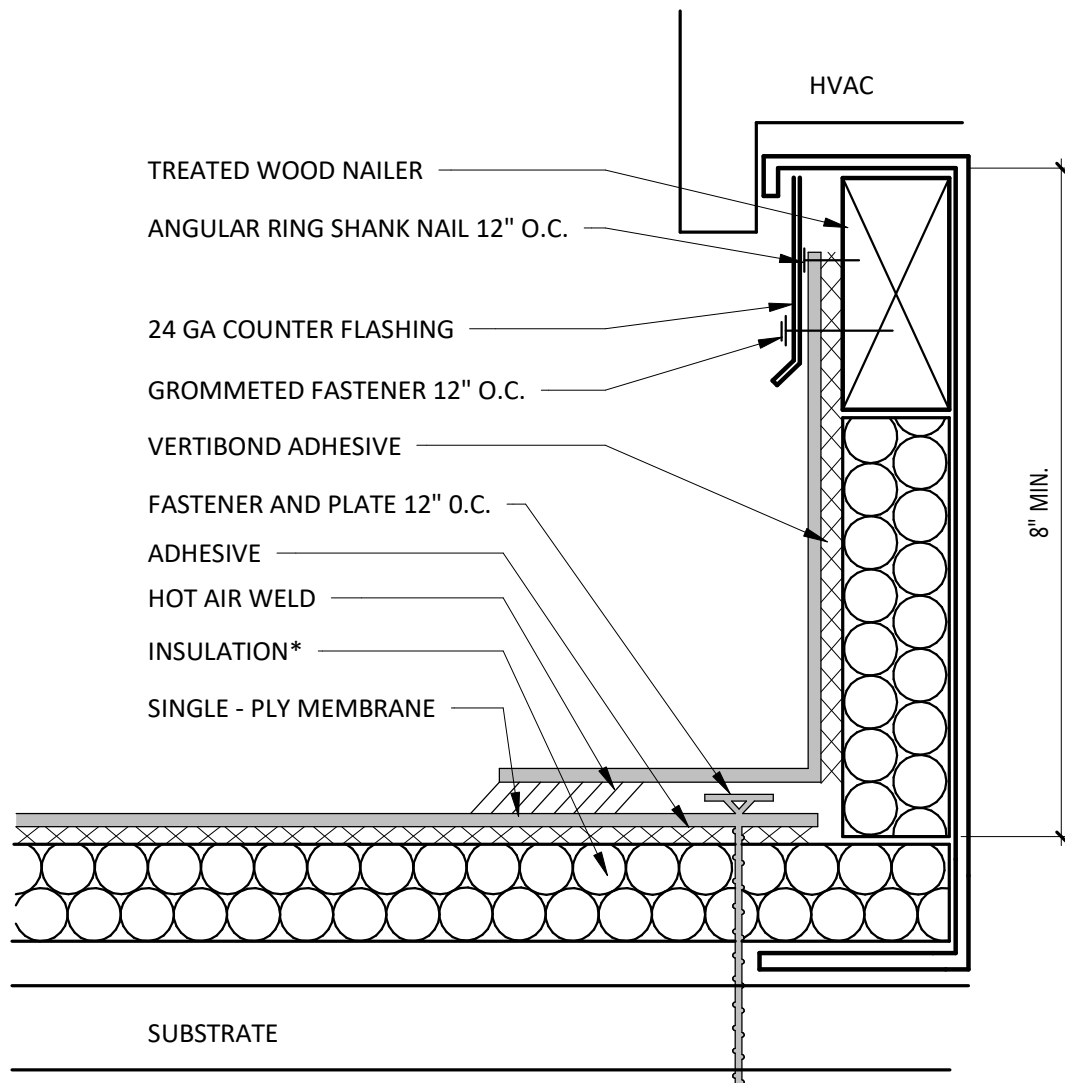
DESCRIPTION	FURNISHED BY	INSTALLED BY	ELEC	UTILITY			REMARKS
				GAS	WATER	SEWER	
Exhaust Fans & Curbs	HS	GC	•				Curb furnished by HS, installed by GC
Make Up Air Unit & Curbs	HS	GC	•		•	•	Curb furnished by HS, installed by GC
Roof Top Units & Curbs	HES	GC	•	•	•	•	Curb furnished by HS, installed by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



NOTE:

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

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



NOTES:

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

3 CURB FLASHING
SCALE: 1/2" = 1'-0"

GENERAL NOTES - ROOF PLAN

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

KEYNOTE LEGEND

- LOCATION OF TENANTS BW-3 SIGNAGE - GENERAL CONTRACTOR TO COORDINATE BLOCKING REQUIREMENTS AND SIGN LOCATION WITH EXISTING RACEWAY WITH THE SIGNAGE VENDOR.
- ROOF HYDRANT - REFER TO PLUMBING FOR ADDITIONAL INFORMATION.
- 10'-0" RADIUS CLEARANCE FOR FRESH AIR INTAKES - REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- DASHED LINE INDICATES LOCATION OF HOOD SYSTEM BELOW.
- EXISTING PRIMARY ROOF DRAIN LOCATION - GENERAL CONTRACTOR IS RESPONSIBLE OF SNAKE CLEANING PRIOR TO BUILDING TURNOVER.
- EXISTING OVERFLOW ROOF DRAIN LOCATION - GENERAL CONTRACTOR IS RESPONSBLE OF SNAKE CLEANING PRIOR TO BUILDING TURNOVER.

CONSULTANT:



CLIENT:



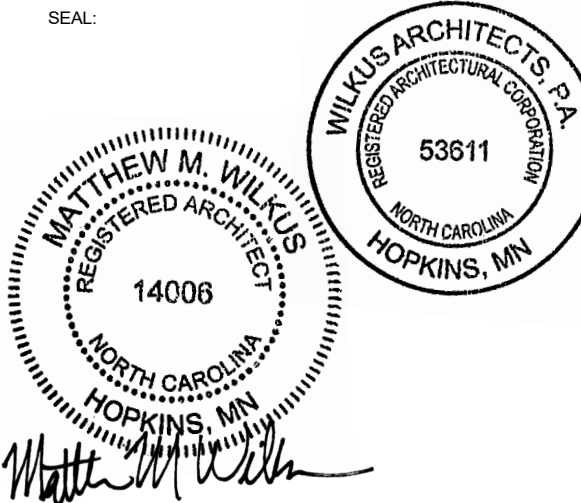
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DURHAM, NORTH CAROLINA 27707

SEAL:



August 08, 2024

MATTHEW M. WILKUS
LICENSE #14006
(EXPIRES 06/30/2025)

PROJECT NO. 2024-0145
DRAWN BY SAS / KDRB
CHECKED BY DLA / MMW / KAM

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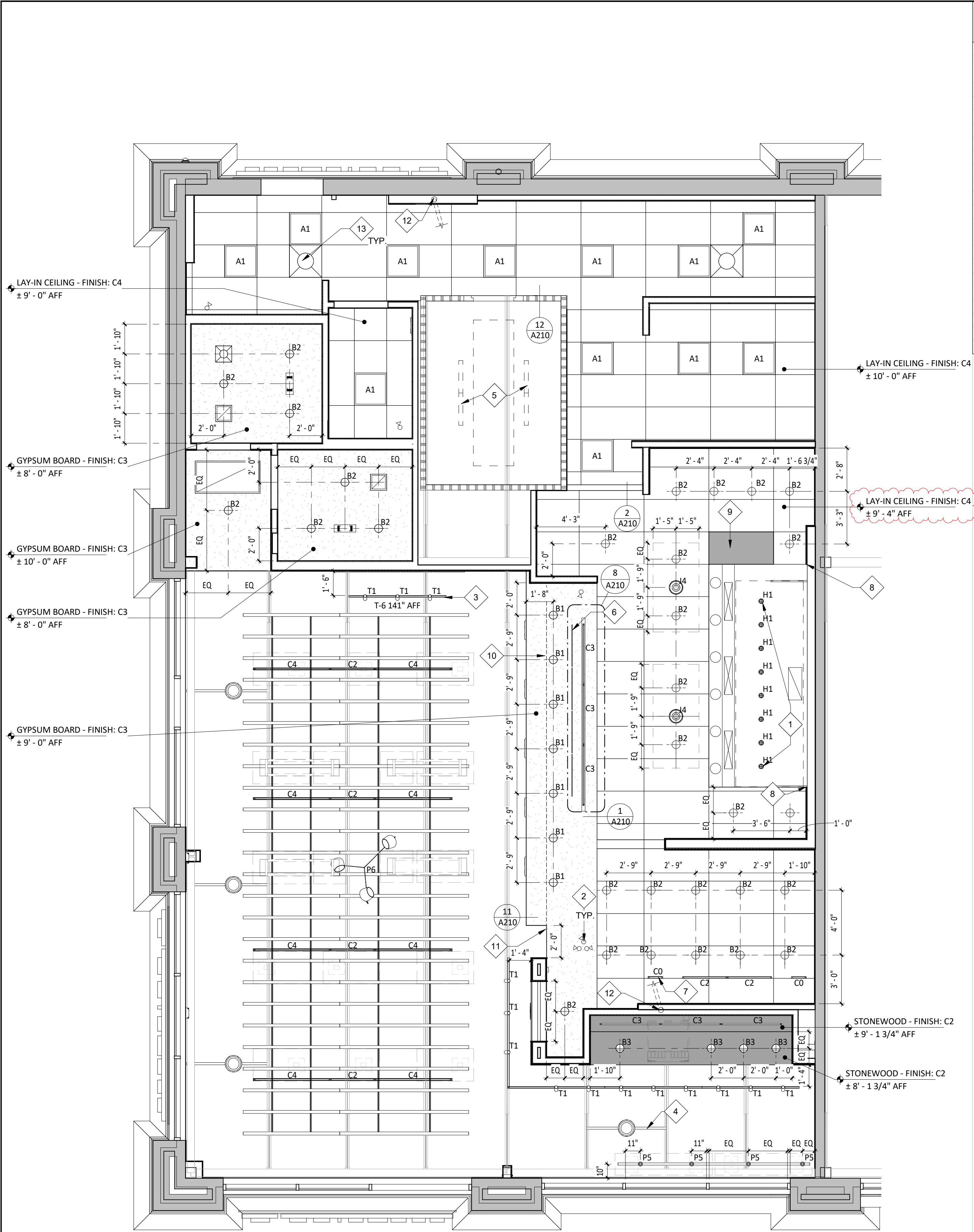
REVISIONS:

TITLE:

ARCHITECTURAL
ROOF PLAN

SHEET NUMBER:

A140



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

- ### GENERAL NOTES - RCP
- ALL INTERIOR LIGHT FIXTURES AND LAMPS PROVIDED BY TENANT'S LIGHT/LAMP SUPPLIER.
 - ALL INTERIOR LIGHT FIXTURES AND LAMPS INSTALLED BY GC. CAREFULLY REVIEW LIGHTING FIXTURE SCHEDULE ON SHEET E100.
 - KITCHEN EXHAUST HOOD PROVIDED BY HS AND INSTALLED BY GC. GC TO COORDINATE PRESSURE TEST AND VIRO GUARD WITH ENVIROMATIC, INC.
 - 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 COURSEING 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	LIGHTS BY EXHAUST HOOD MANUFACTURER.
2	INTERIOR SECURITY CAMERA LOCATIONS - TYPICAL SIX (6) - CENTER IN CEILING TILE WHERE APPLICABLE.
3	CENTER TRACK LIGHTING ON ARTWORK.
4	FOUR (4) SPEAKERS - REFER TO SHEET A210 FOR ADDITIONAL INFORMATION.
5	STRIP LIGHTING FOR COOLER PROVIDED BY COOLER MANUFACTURER - GENERAL CONTRACTOR TO PROVIDE ROUGH-IN AND FINAL HOOK-UP.
6	LINE OF SUSPENDED MENU BOARD SYSTEM.
7	UNDERSHELF TASK LIGHTING - REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
8	PROVIDE STAINLESS STEEL ENCLOSURE PANEL BETWEEN PERIMETER OF HOOD AND ADJACENT WALLS/CEILINGS.
9	PROVIDE FREE AND CLEAR ACCESS TO HOOD AS REQUIRED - GENERAL CONTRACTOR TO COORDINATE WITH ALL TRADES TO MAINTAIN.
10	FULL HEIGHT SOFFIT WALL TO DECK ABOVE SHOWN DASHED - ALIGN FINISHED FACE WITH BACK WALL OF MOPUS.
11	HOLD SOFFIT FRAMING SO GYPSUM SOFFIT FINISH DOESN'T OVERLAP WALL FINISH ON BOX BELOW - REFER TO FINISH PLAN FOR ADDITIONAL INFORMATION.
12	4" PVC PIPES STUBBED ABOVE CEILING FOR SODA BUNDLE - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
13	DUCTWORK SHOWN FOR REFERENCE ONLY - REFER TO MECHANICAL DRAWINGS FOR ALL FINAL DUCTWORK LOCATIONS.

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

SPEAKER SCHEDULE					
ITEM #	QTY	DESCRIPTION	COLOR/FINISH	MOUNT	REMARKS
SP1	8	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:

WILKU'S ARCHITECTS

CLIENT:

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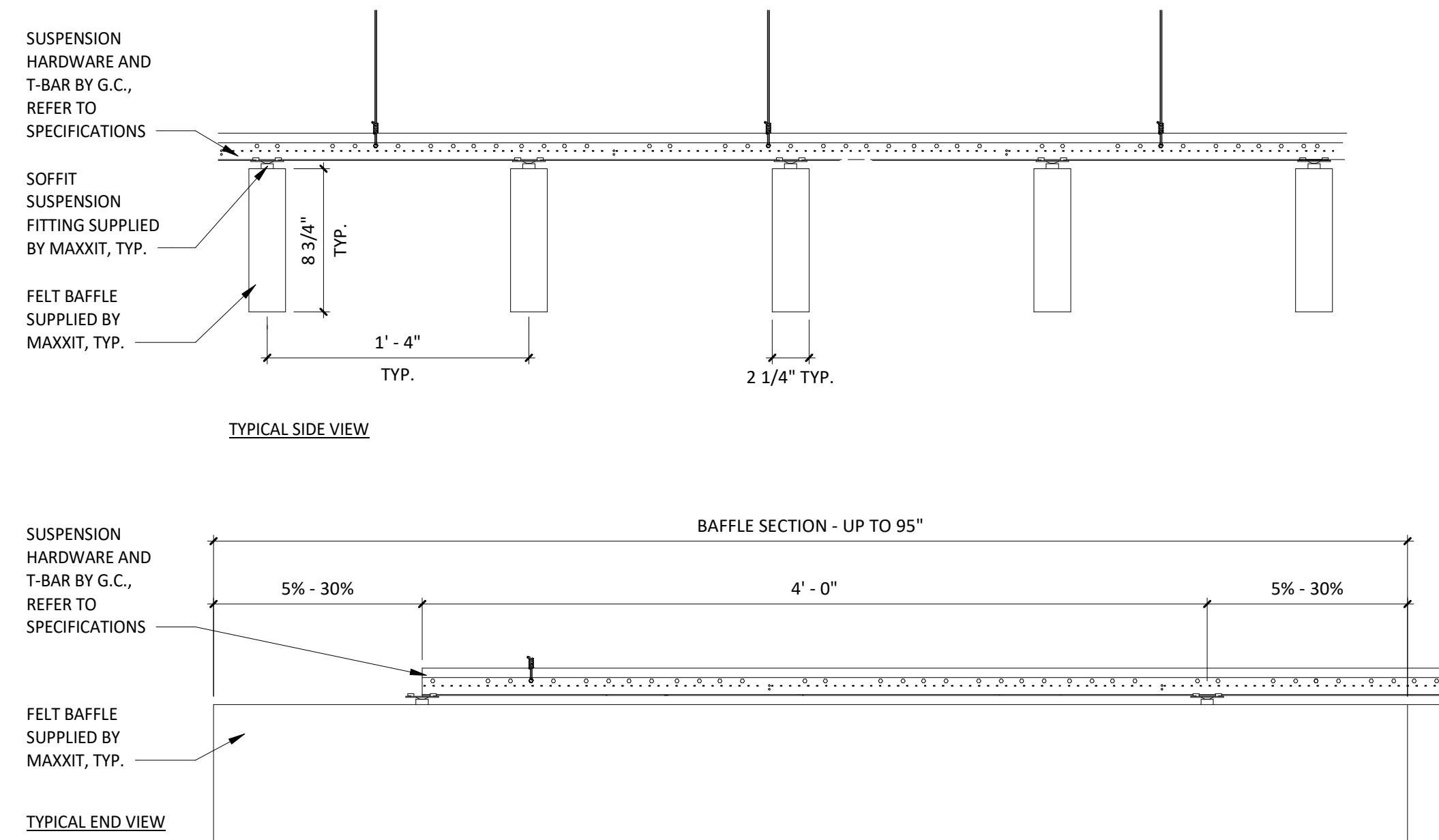
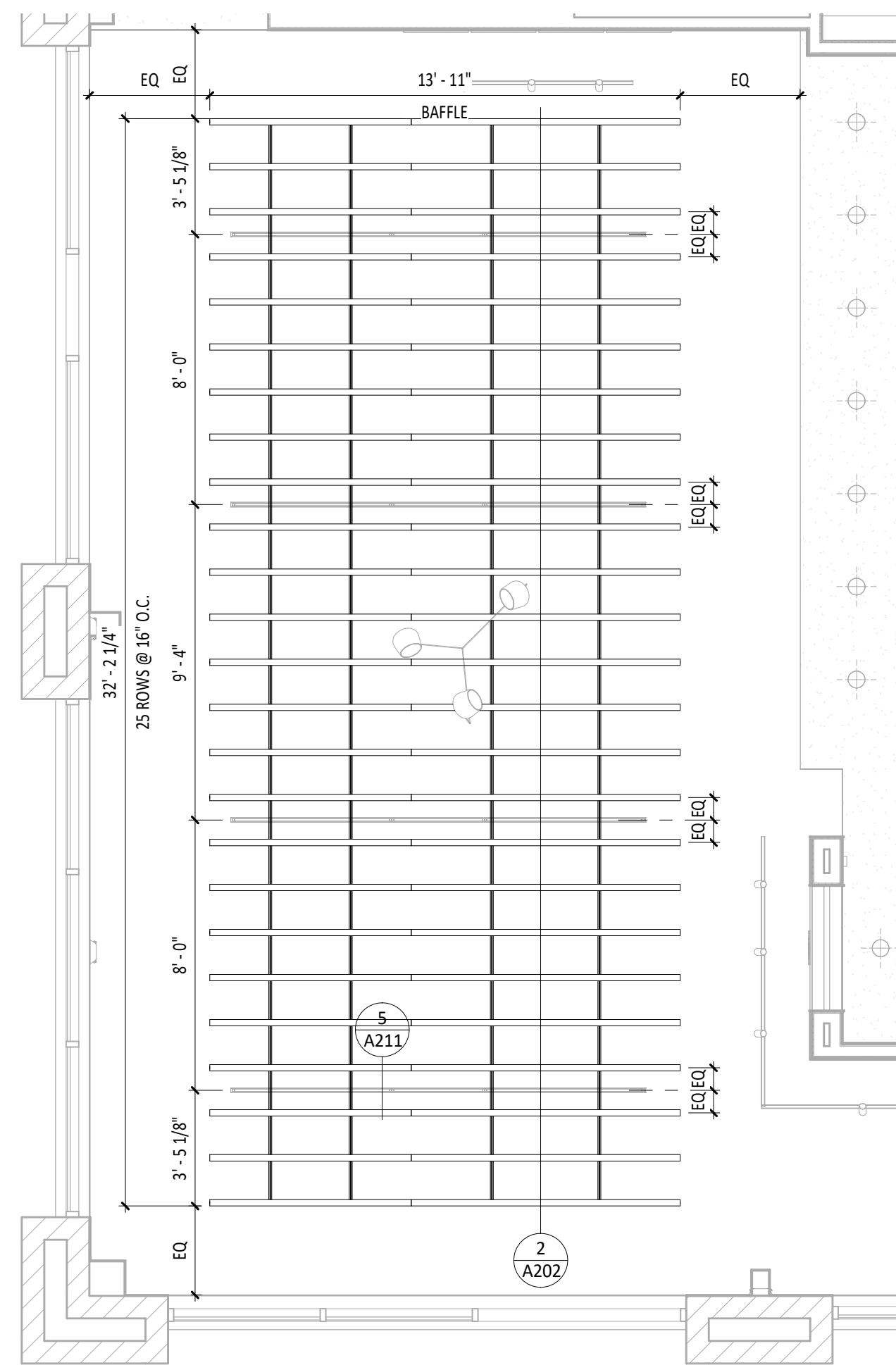
4	08/06/2024	CONSTRUCTION SET
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TITLE:

REFLECTED
CEILING PLAN

SHEET NUMBER:

A201



GENERAL NOTES - RCP

- | | |
|----|--|
| F. | ALL INTERIOR LIGHT FIXTURES AND LAMPS PROVIDED BY TENANT'S LIGHT/LAMP SUPPLIER. |
| G. | ALL INTERIOR LIGHT FIXTURES AND LAMPS INSTALLED BY GC. CAREFULLY REVIEW LIGHTING FIXTURE SCHEDULE ON SHEET E100. |
| H. | KITCHEN EXHAUST HOOD PROVIDED BY HS AND INSTALLED BY GC. GC TO COORDINATE PRESSURE TEST AND VIRO GUARD WITH ENVIRONMENTAL, 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 CUELING 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 LIGHTS, FIXTURES AND STROBES SHALL BE ALIGNED OR CENTERED ON WALLS. |
| P. | FULL CERAMIC TILE COURSEING 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 ENVISION INSTALLATION GUIDE |
| Y. | REFER TO A210 FOR FINISH LEGEND. |

CONSULTANT



CLIENT:



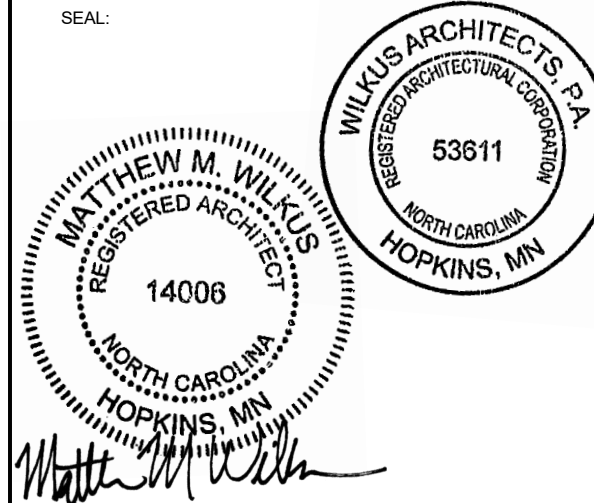
CHIPOTLE MEXICAN GRILL, INC.
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INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: 5479
"HOPE VALLEY"
7021 NC - 751 HIGHWAY #901
DURHAM, NORTH CAROLINA 27707

SEAL



August 08, 2024

MATTHEW M. WILKUS
LICENSE #14006
(EXPIRES 06/30/2025)

PROJECT NO.	2024-0145
DRAWN BY	SAS / KDRB
CHECKED BY	DLA / MMW / KAM

ISSUE RECORD:	
04/29/2024	HEALTH SUBMITTAL
05/28/2024	PERMIT SET
07/08/2024	BID SET
08/06/2024	CONSTRUCTION SET

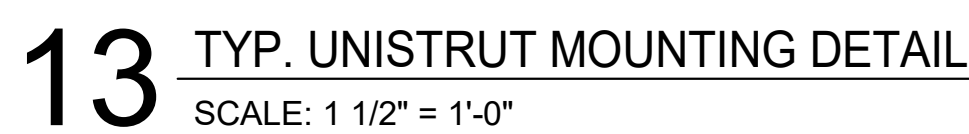
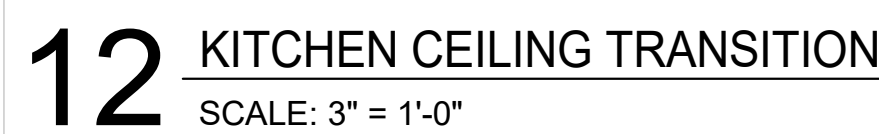
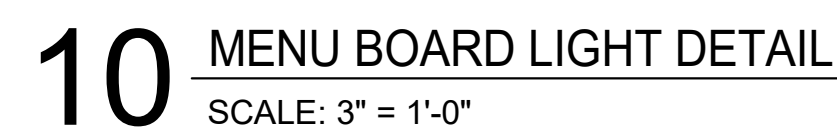
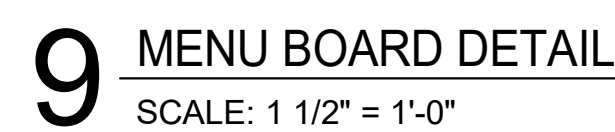
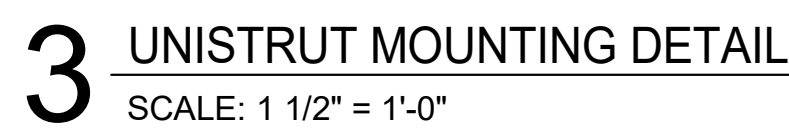
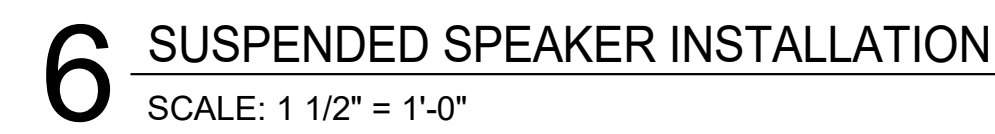
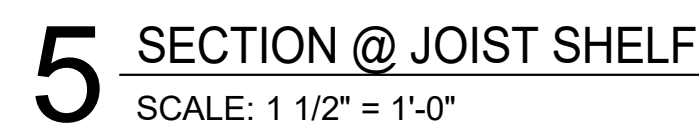
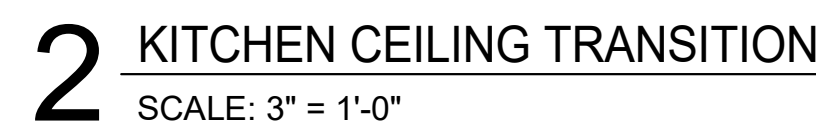
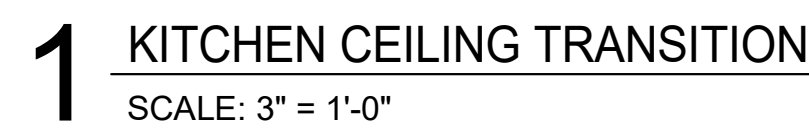
REVISIONS

TITLE

ENLARGED CEILING PLANS

SHEET NUMBER:

A202

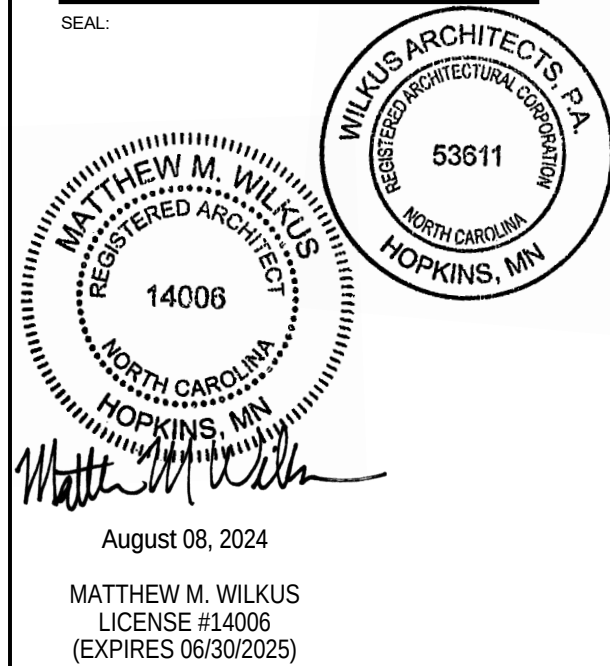


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DURHAM, NORTH CAROLINA 27707

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ISSUE RECORD:	
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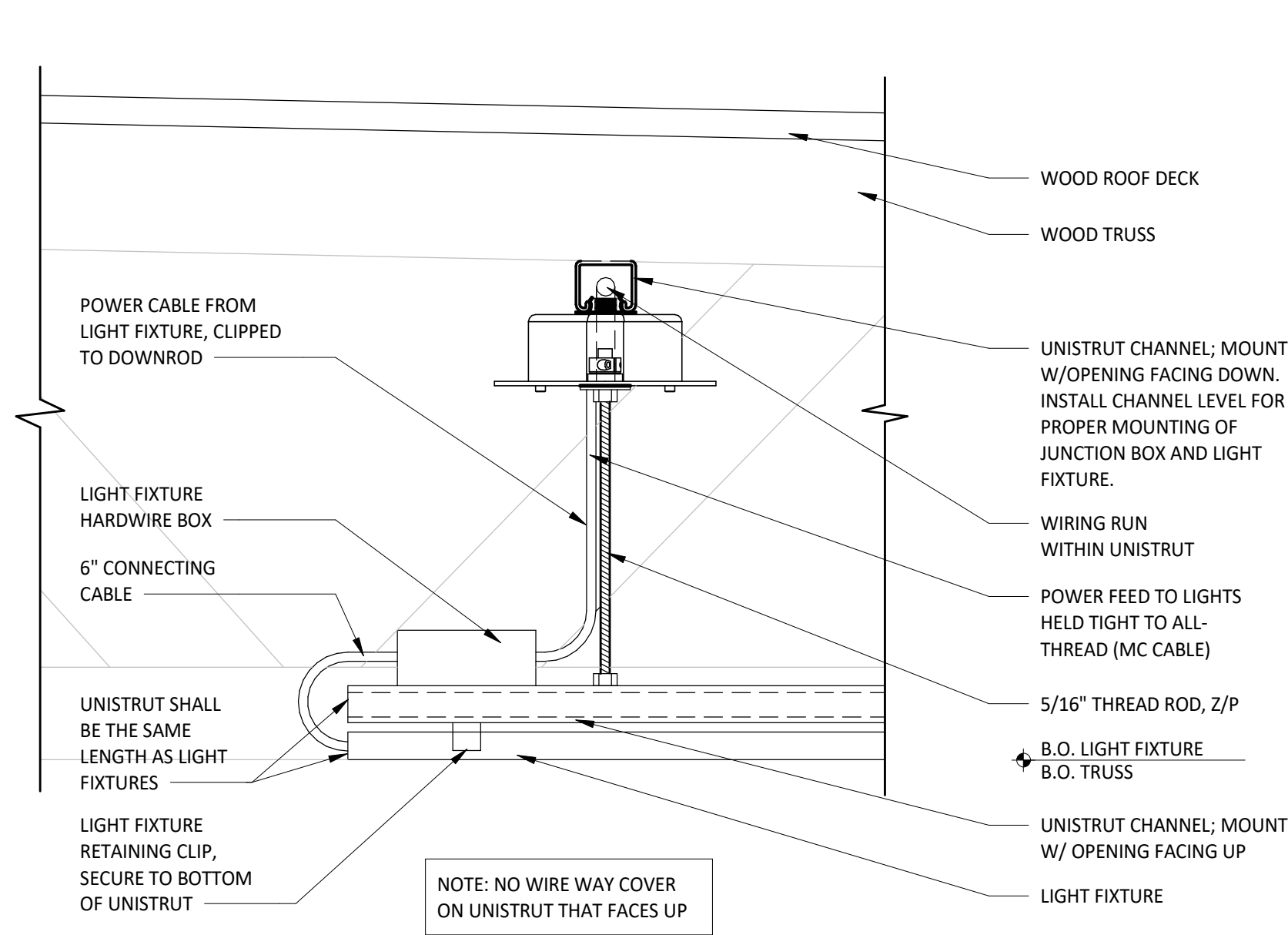
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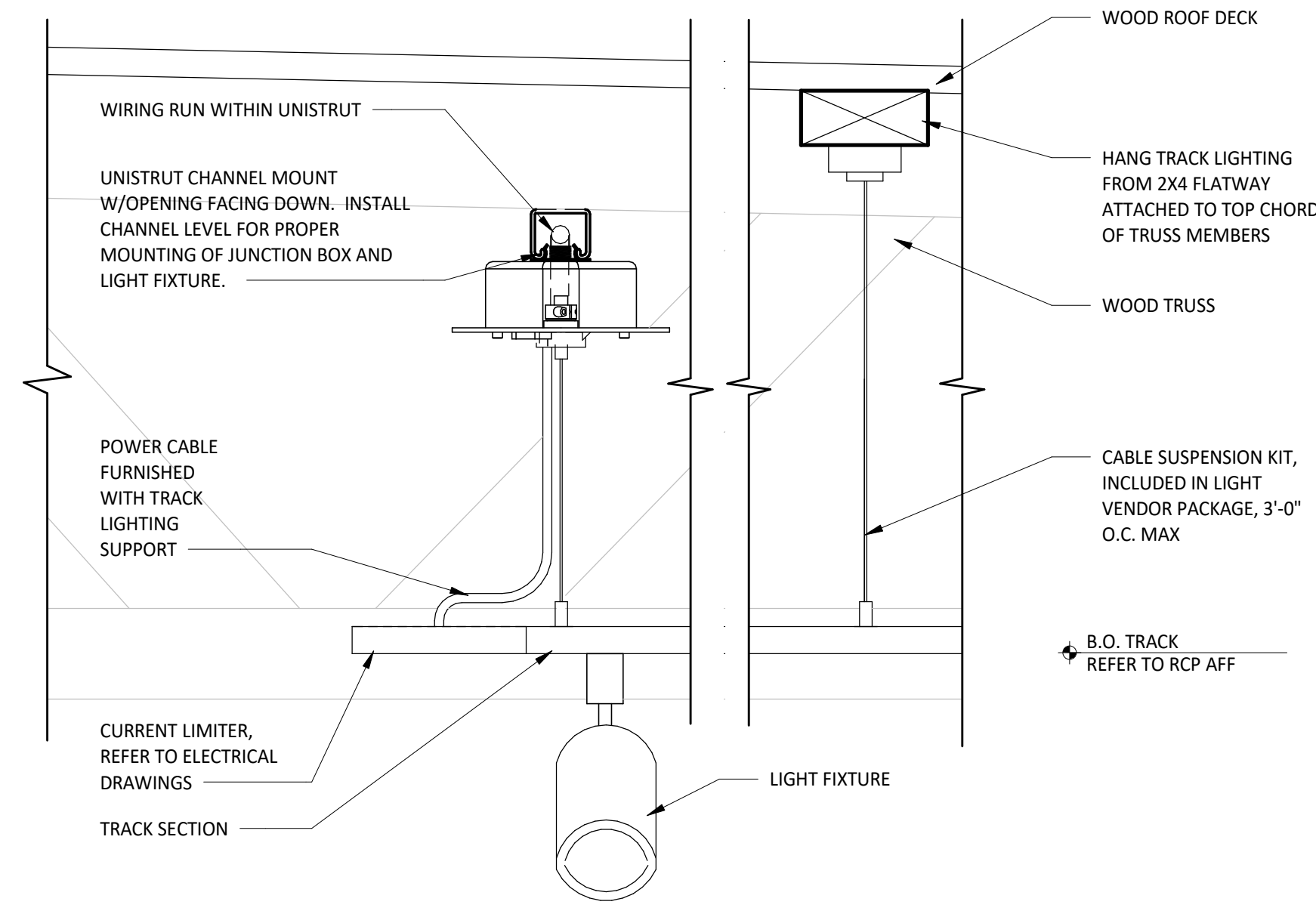
CEILING DETAILS

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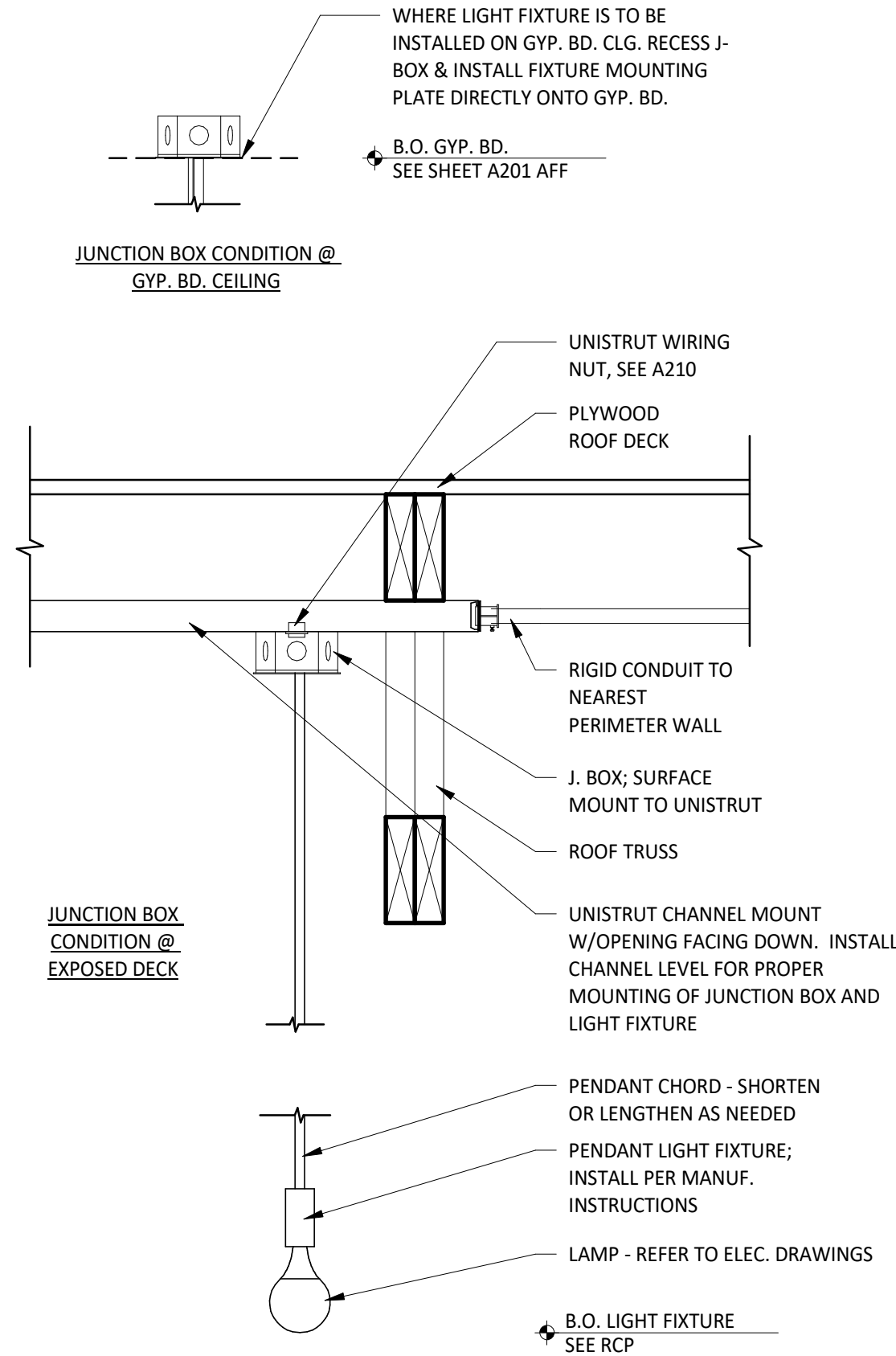
A210



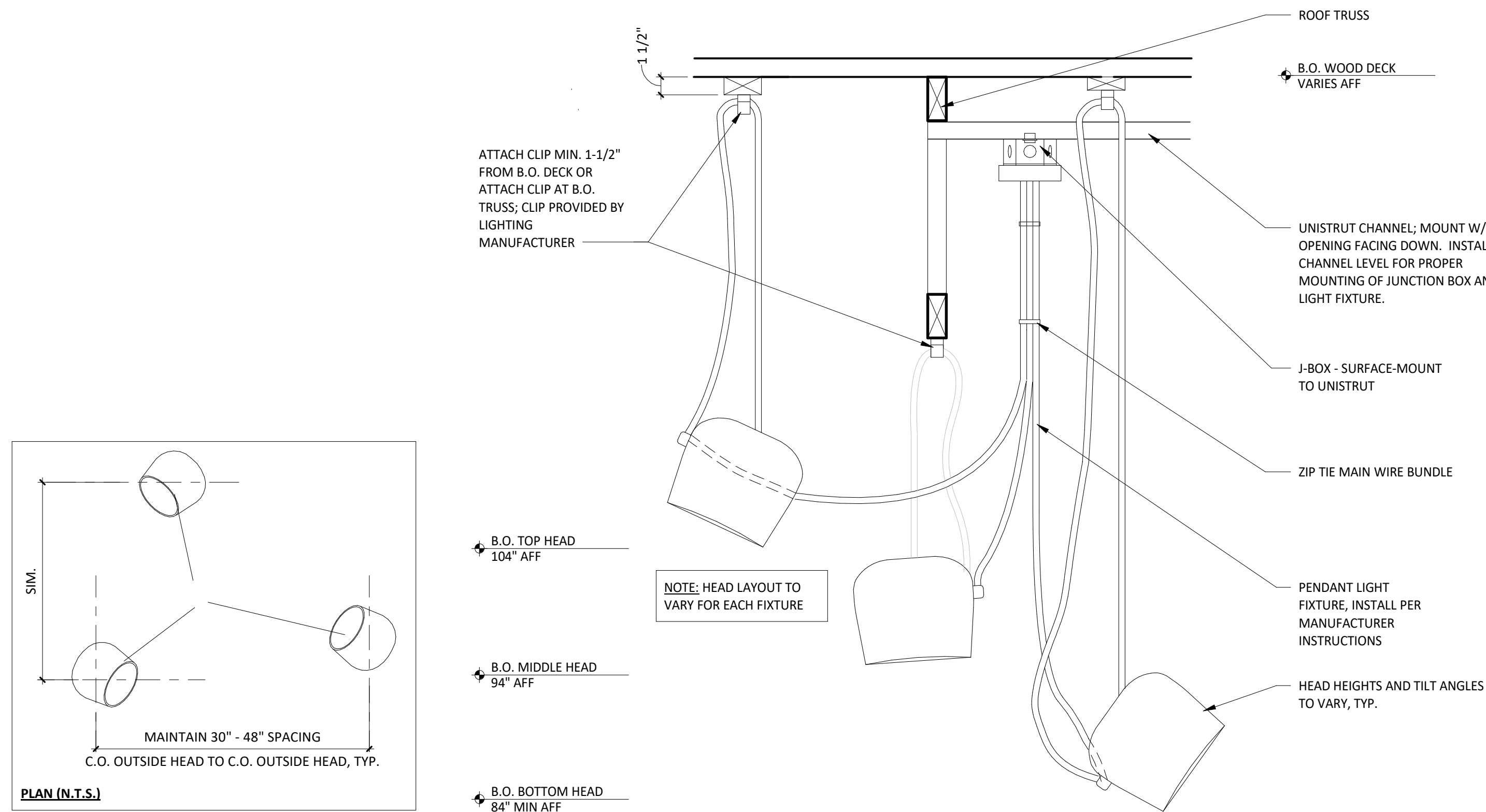
1 SUSPENDED STRIP LIGHT CONNECTION DETAIL
SCALE: 3" = 1'-0"



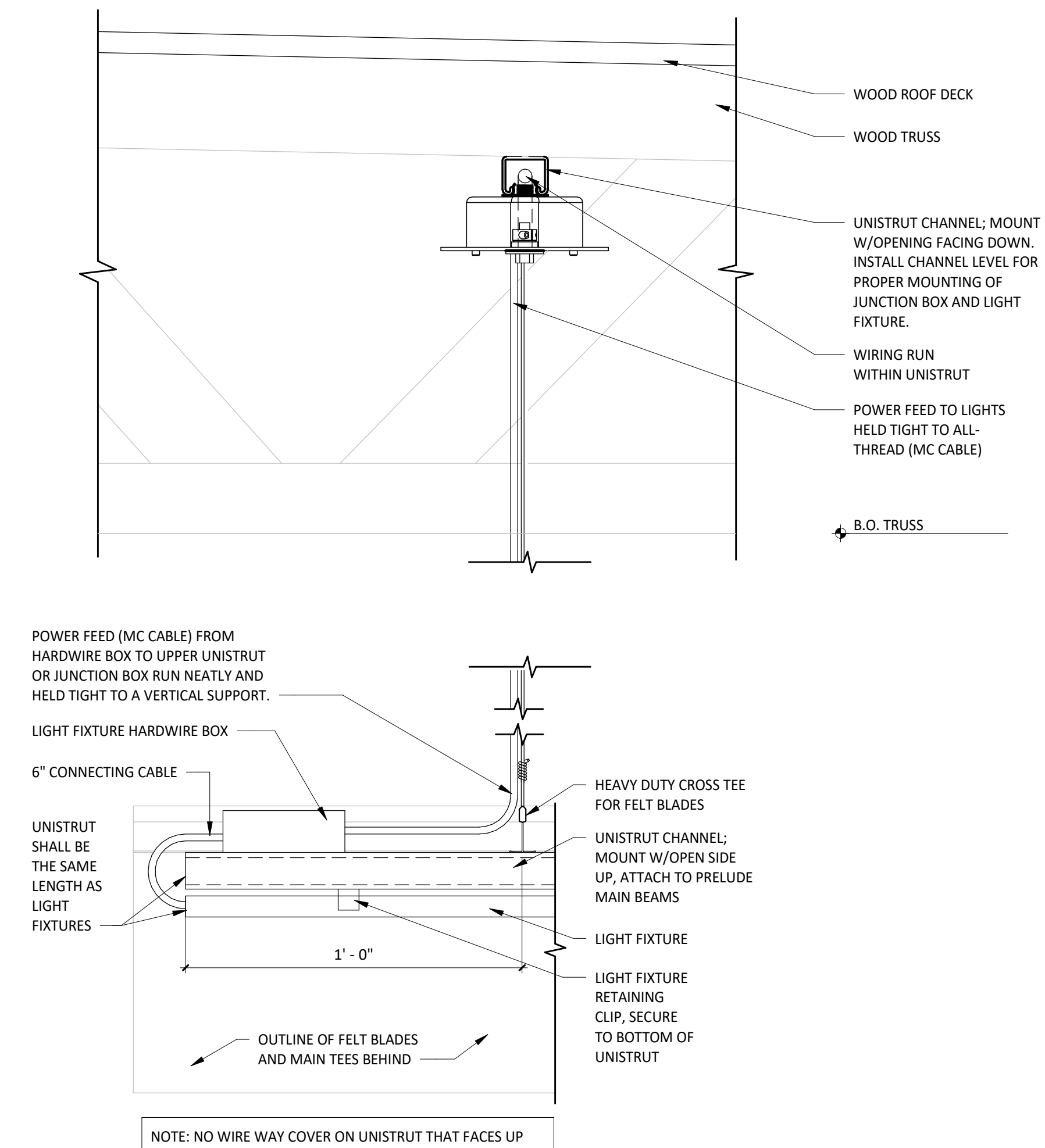
2 SUSPENDED TRACK LIGHT CONNECTION DETAIL
SCALE: 3" = 1'-0"



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



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



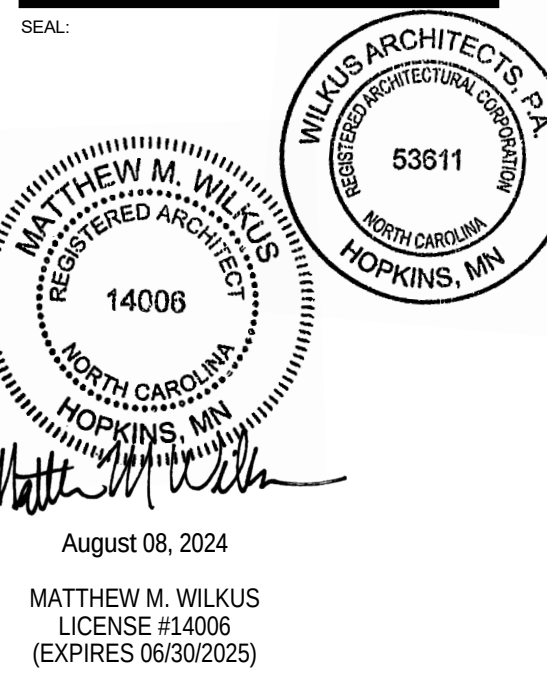
5 SUSPENDED STRIP LIGHT CONNECTION DETAIL @ FELT BLADE
SCALE: 3" = 1'-0"



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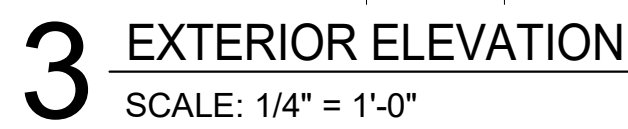
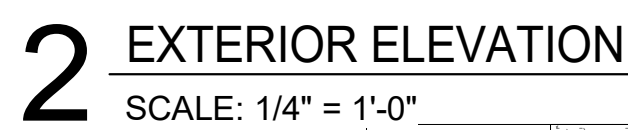
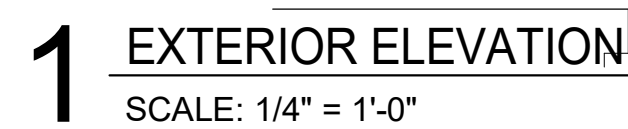
ISSUE RECORD:
04/29/2024 HEALTH SUBMITTAL
05/28/2024 PERMIT SET
07/08/2024 BID SET
08/06/2024 CONSTRUCTION SET

REVISIONS:

TITLE:
LIGHTING DETAILS

SHEET NUMBER:

A211



1	LOCATION OF TENANTS BW-3 SIGNAGE - GENERAL CONTRACTOR TO COORDINATE BLOCKING REQUIREMENTS AND SIGN LOCATION WITH EXISTING RACEWAY WITH THE SIGNAGE VENDOR.
2	EXISTING WALL LIGHTS TO BE CLEANED AND RELAMPED.
3	EXISTING VINYL ADDRESS DECALS TO REMAIN.
4	ALL EXISTING STOREFRONT TO BE REMOVED AND REPLACED. SEE SHEET D101 FOR MORE INFORMATION.
5	NEW ALUMINUM 6'-0" WIDE STYLE MAIN ENTRY DOORS WITH MILLWORK PULL HANDLES (BY CHIPOTLE).
6	CLEAN EXISTING METAL AWNINGS TO LIKE NEW CONDITION.
7	EXISTING HOSE BIBB LOCATIONS.
8	LOCATION OF SECURITY CAMERAS TO BE INSTALLED BY GENERAL CONTRACTOR.
9	LOCATION OF DOOR BELL - INSTALL BETWEEN 36" AND 48" ABOVE FINISHED GRADE.
10	LOCATION OF EXISTING REMOTE CO2 FILLER - VERIFY LOCATION WITH CHIPOTLE CONSTRUCTION MANAGER.
11	EXISTING COW'S TOUNGE LOCATION.



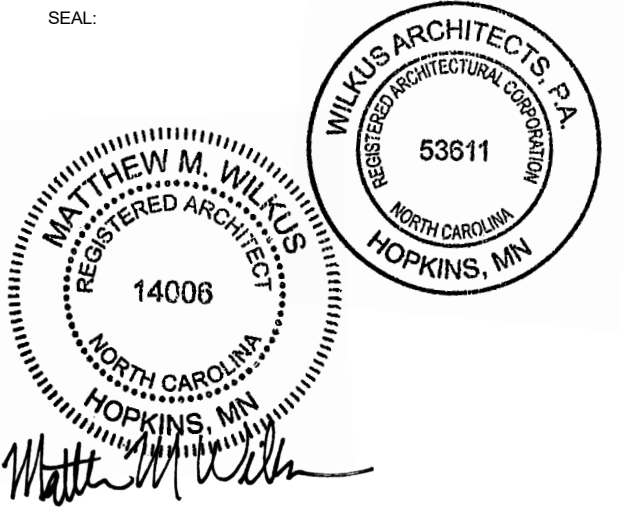
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PROJECT INFORMATION:

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"HOPE VALLEY"
7021 NC - 751 HIGHWAY #901
DURHAM, NORTH CAROLINA 27707

SEAL:



August 08, 2024

MATTHEW M. WILKUS
LICENSE #14006
(EXPIRES 06/30/2025)

PROJECT NO. 2024-0145
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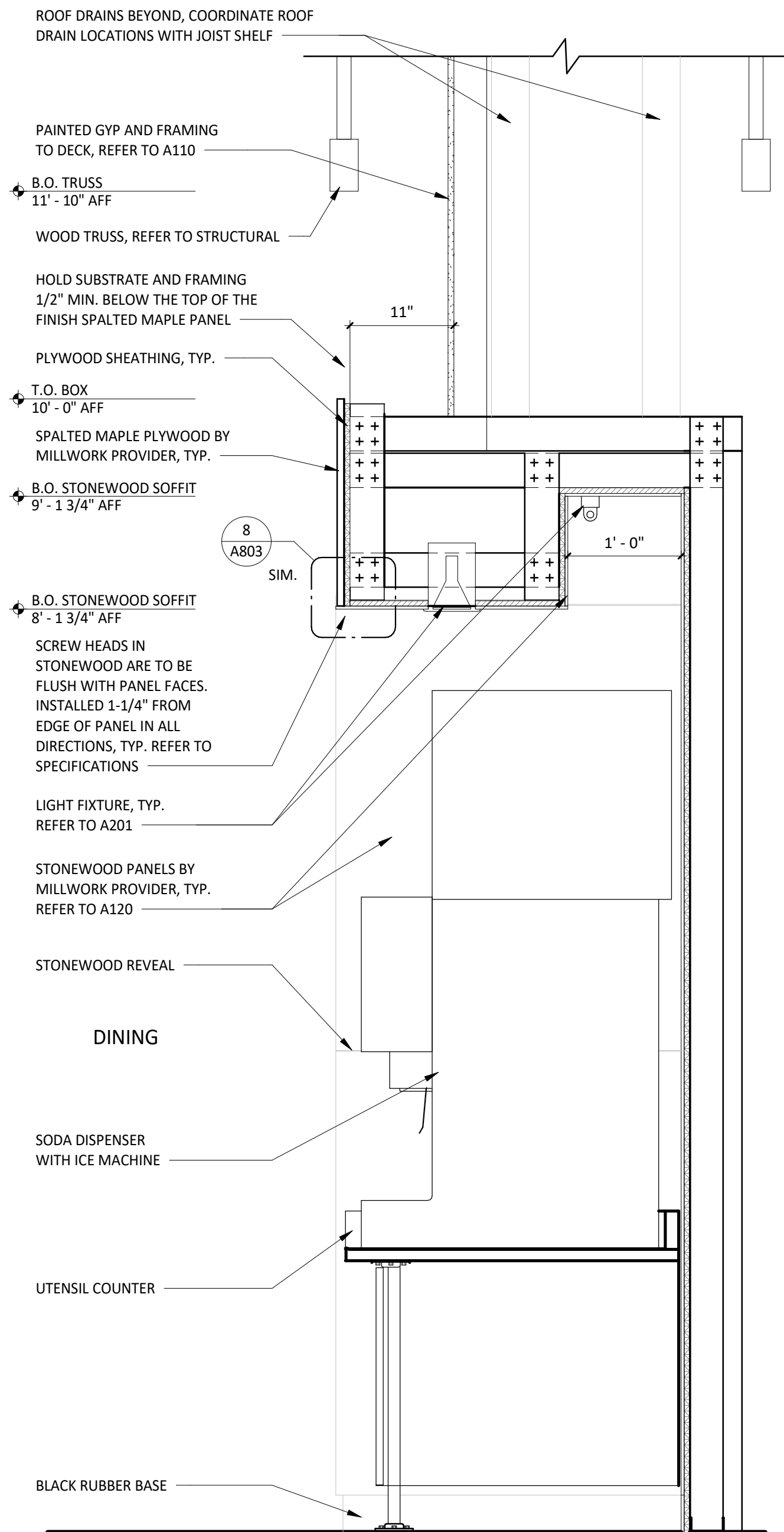
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07/08/2024	BID SET
08/06/2024	CONSTRUCTION SET

4 08/06/2024 CONSTRUCTION SET

TITLE:
EXTERIOR
ELEVATIONS

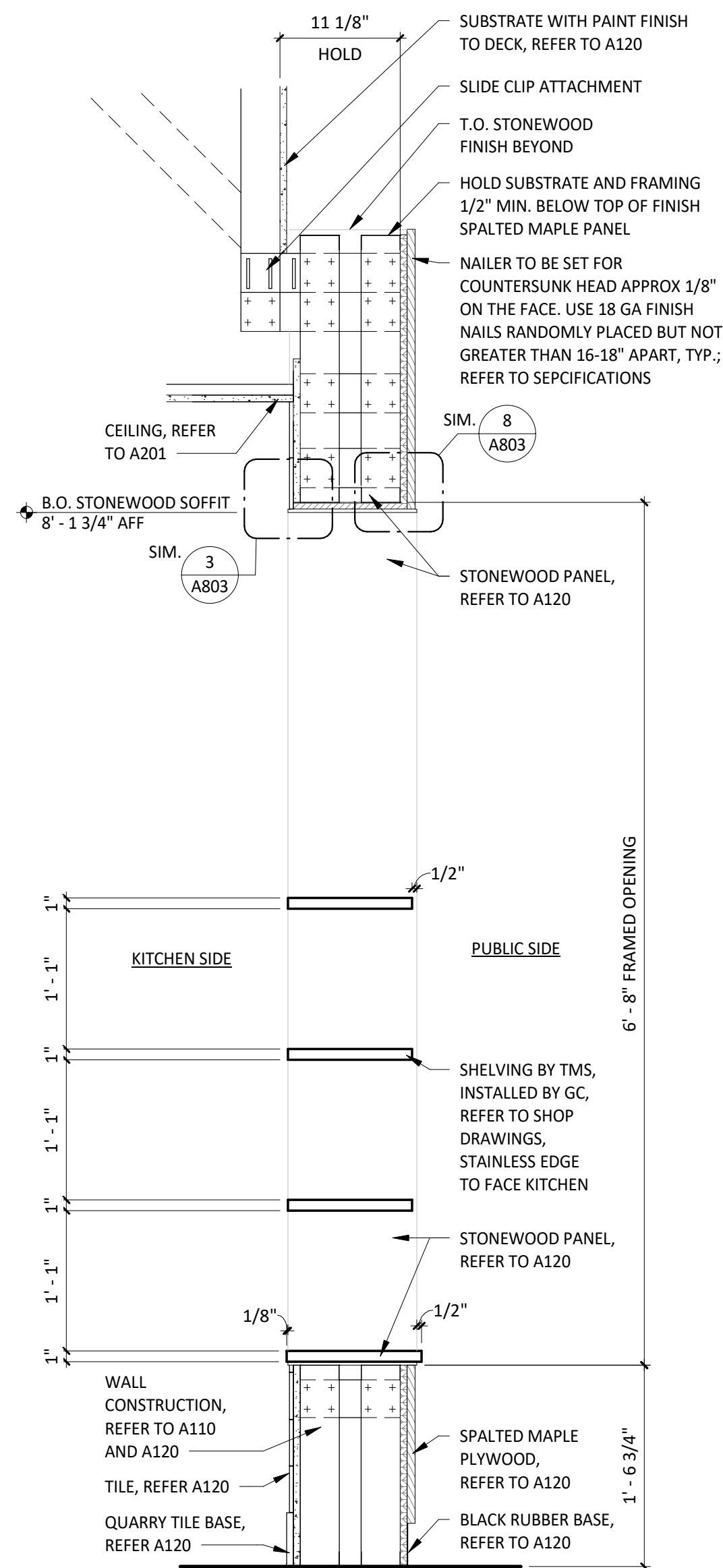
SHEET NUMBER:

A301



1 UTENSIL SECTION

SCALE: 1" = 1'-0"



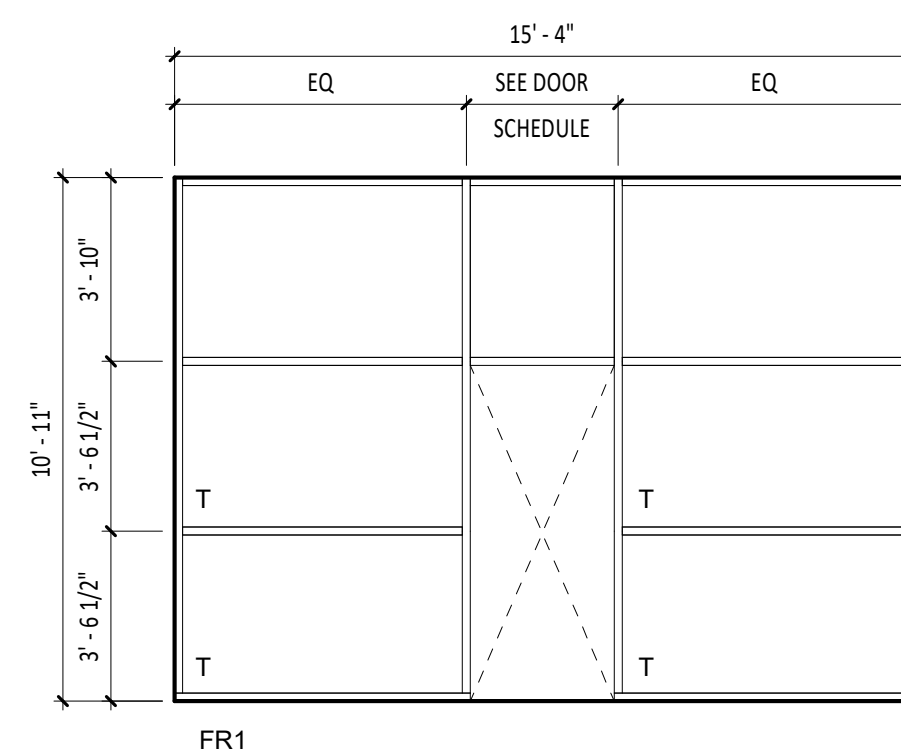
2 MOPUS SECTION - PASS THRU

SCALE: 1" = 1'-0"

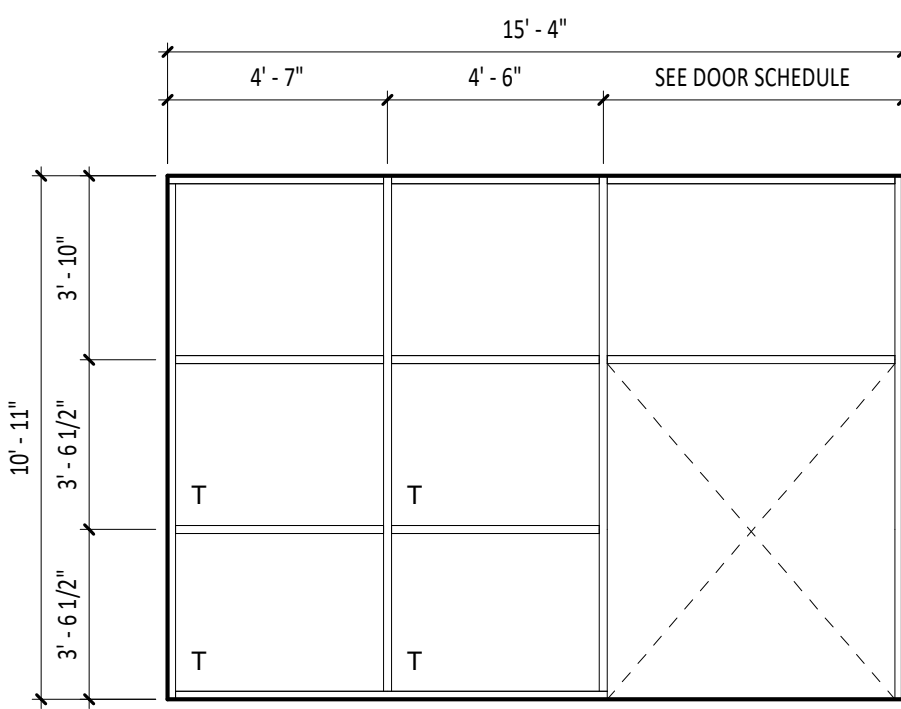
GENERAL NOTES

- 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 EXISTING CONDITIONS AND 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.

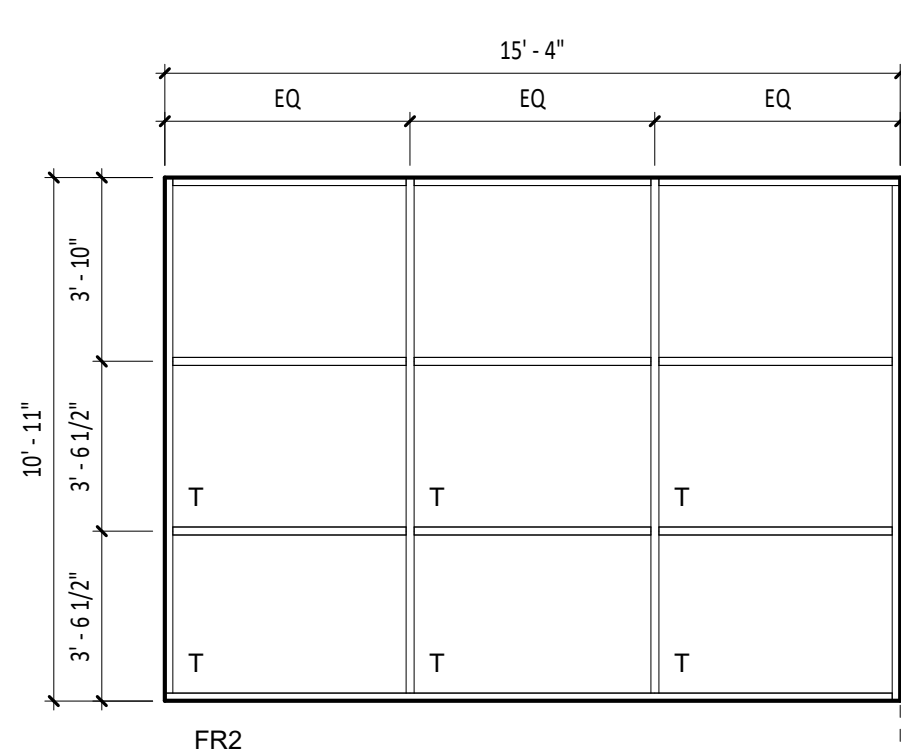
STOREFRONT FRAME TYPES



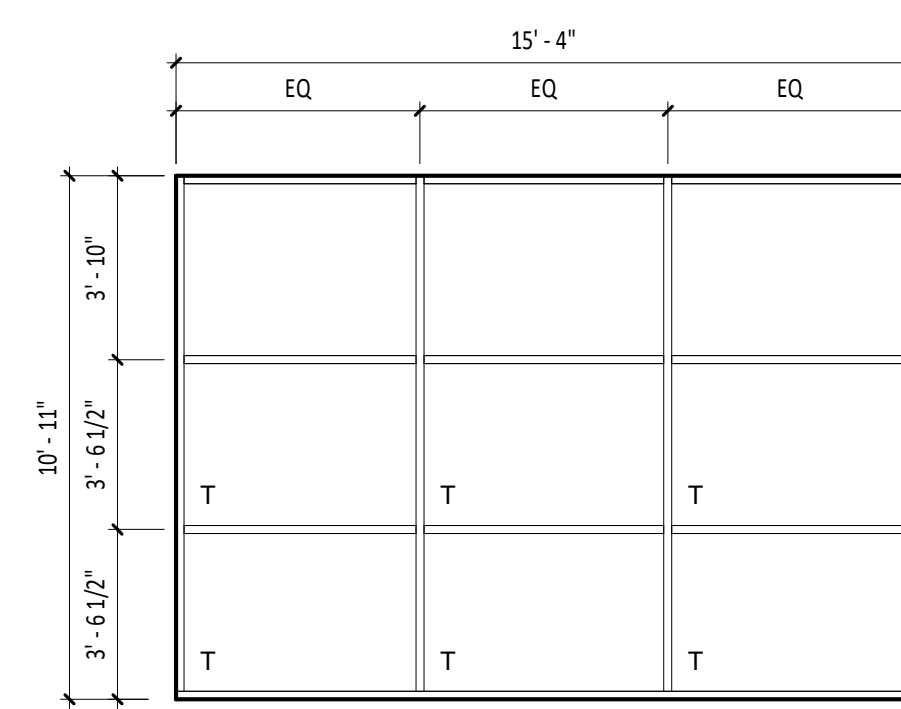
THERMALLY BROKEN ANODIZED ALUMINUM FRAME W/ 1" TEMP. GLAZING



THERMALLY BROKEN ANODIZED ALUMINUM FRAME W/ 1" TEMP. GLAZING



THERMALLY BROKEN ANODIZED ALUMINUM FRAME W/ 1" TEMP. GLAZING



THERMALLY BROKEN ANODIZED ALUMINUM FRAME W/ 1" TEMP. GLAZING

CONSULTANT:



CLIENT:



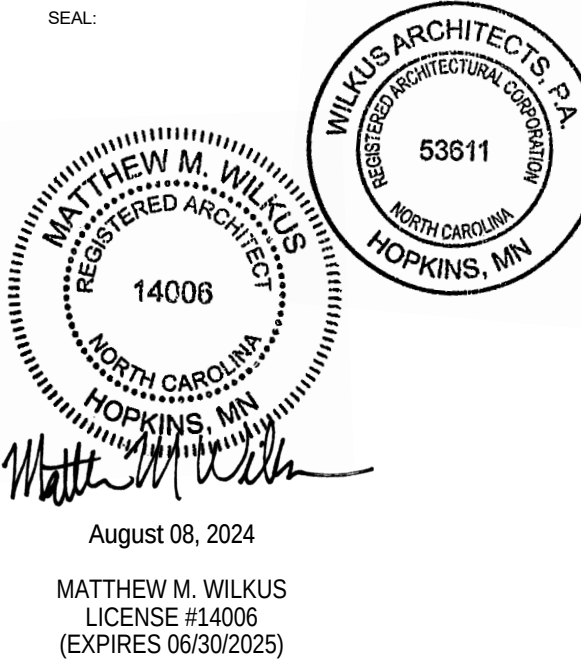
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PROJECT INFORMATION:

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"HOPE VALLEY"
7021 NC - 751 HIGHWAY #901
DURHAM, NORTH CAROLINA 27707

SEAL:



PROJECT NO. 2024-0145
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ISSUE RECORD:
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05/28/2024 PERMIT SET
07/08/2024 BID SET
08/06/2024 CONSTRUCTION SET

REVISIONS:
1 02/06/2024 GENERAL UPDATES

TITLE:
INTERIOR SECTIONS

SHEET NUMBER:

A502

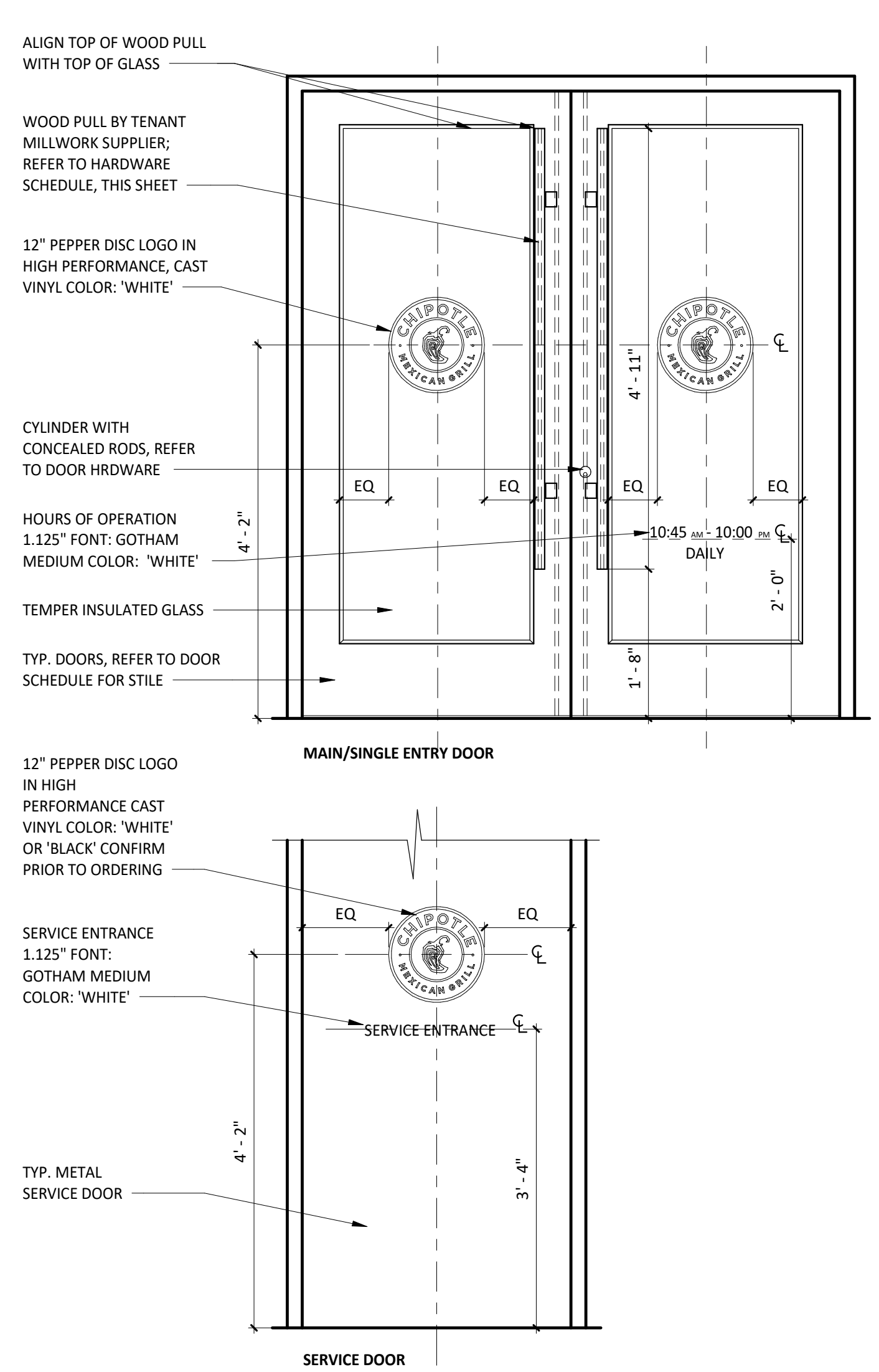
DOOR SCHEDULE

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

DOOR REMARKS

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

TYPICAL EXTERIOR DOOR TYPES



NEW HARDWARE SETS

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

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

- (2) HINGE HAGER, MODEL 780-224HD-83"-CLR
- (2) MORTISE CYLINDER SCHLAGE, MODEL 80-103, BRUSHED CHROME; C.O. CYLINDER AT 34" MIN. FROM BOTTOM OF DOOR
- (2) TEMP CORE SCHLAGE, MODEL 80-035 INTERCHANGEABLE CORE, (BRUSHED CHROME)
- (1) DEADBOLT ADAMS RITE, MODEL M518505-310-628
- (1) EXIT INDICATOR ADAMS RITE, MODEL 4089-00-130
- (1) HEADER BOLT ADAMS RITE, MODEL 4016-30-01
- (1) THRESHOLD BOLT ADAMS RITE, MODEL 4015-18-18
- (2) CLOSER DORMA, MODEL 8916-AF89P (TOP JAMB), (ALUMINUM)
- (2) DOOR STOP IVES, MODEL FS185 (ALUMINUM)
- (2) OVERHEAD STOP GLYNN-JOHNSON, MODEL 4545-SP28 (ALUMINUM)
- (2) CLOSER BACK PLATE DORMA, MODEL BP89, ALUMINUM
- (1) THRESHOLD PEMKO, MODEL S424A-72 (SIZE 72")
- (2) SMOKE SEAL REESE, MODEL 797B-21
- (2) DOOR SWEEP PEMKO, MODEL SF5C-200-36 (36" DOOR), OWNER FURNISHED

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

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

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

- (1) HINGE HAGER, MODEL 780-224HD-83"-CLR
- (1) PUSH HARDWARE ADAMS RITE, MODEL 8801-36-628 (ALUMINUM FINISH, 36" DOOR); C.O. EXIT DEVICE AT 38" FROM BOTTOM OF DOOR
- (1) PULL HARDWARE HAGER, MODEL 4G US32D (8" CTC), CENTER ON DOOR STILE
- (1) CLOSER DORMA, MODEL 8916-AF89P-689 (TOP JAMB), (ALUMINUM)
- (1) CLOSER BACK PLATE DORMA, MODEL BP89, ALUMINUM
- (1) OVERHEAD STOP GLYNN-JOHNSON, MODEL 4545-US32D (ALUMINUM)
- (1) THRESHOLD REESE, MODEL S424A-36 (SIZE 36")
- (1) SMOKE SEAL REESE, MODEL 797B-21
- (1) DOOR SWEEP PEMKO, MODEL SF5C-200-36 (36" DOOR), OWNER FURNISHED
- (1) DOOR STOP IVES, MODEL FS185 (ALUMINUM)

SET 3 - REAR EXIT - SINGLE

- (1) HINGE HAGER, MODEL 780-224HD-83"-CLR
- (1) PUSH HARDWARE FALCON, MODEL 25-R-EO-4"-US28 (SIZE 42")
- (1) PULL HARDWARE FALCON, MODEL 510L-DANE-LHR-US26D, ALUMINUM (EXTERIOR SIDE)
- (1) RIM CYLINDER GLS, MODEL RCIC-7-LZ-626
- (1) TEMP CORE SCHLAGE, MODEL 80-035 INTERCHANGEABLE CORE (FINISH: BRUSHED CHROME)
- (1) CLOSER DORMA, MODEL 8916-AF89P-689 (TOP JAMB), ALUMINUM
- (1) CLOSER BACK PLATE DORMA, MODEL BP89, ALUMINUM
- (1) THRESHOLD REESE, MODEL S239A-42, (SIZE 42")
- (1) WEATHERSTRIP REESE, MODEL D575C-4070
- (1) DOOR SWEEP PEMKO, MODEL SF5C-200-42 (42" DOOR) (BLACK) OWNER FURNISHED
- (1) DOOR VIEWER IVES, MODEL U698B26D, C.O. VIEWER AT 60" FROM BOTTOM OF DOOR
- (1) DOOR SILENCERS IVES, MODEL SR64
- (1) DOOR BUZZER TRINE, MODEL 66B
- (1) KICKPLATE HIAWATHA, MODEL KP834-US32D

SET 4 - MANAGER'S OFFICE

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

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

- (3) HINGE STANLEY, MODEL FB8179-4.5-US26 (06-8438)
- (1) CLOSER FALCON, MODEL: SC61XRW/PAXALLU
- (1) LOCKSET SCHLAGE, MODEL AL405-NEP-626
- (1) DOOR STOP DON-JO, 1407-630
- (3) DOOR SILENCERS IVES, MODEL SR64
- (2) KICKPLATE HIAWATHA, MODEL KP834-32D
- (1) COAT HOOK MILLS, MODEL FT6519, SUPPLIED BY WASHROOM ACCESSORIES VENDOR, MOUNT T.O. HOOK AT 47 1/2" AFF

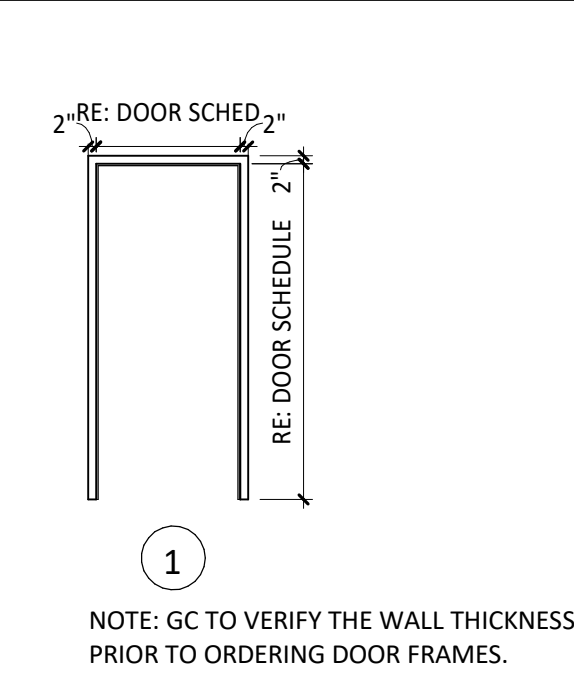
SET 6 - TOILET ROOM 1 RESTROOM - SINGLE OCCUPANT - STANDARD

- (3) HINGE STANLEY, MODEL FB8179-4.5-US26 (06-8438)
- (1) CLOSER FALCON, MODEL: SC61XRW/PAXALLU
- (1) LOCKSET SCHLAGE, MODEL AL405-NEP-626
- (1) DOOR STOP DON-JO, 1407-630
- (3) DOOR SILENCERS IVES, MODEL SR64
- (2) KICKPLATE HIAWATHA, MODEL KP834-32D
- (1) COAT HOOK MILLS, MODEL FT6519, SUPPLIED BY WASHROOM ACCESSORIES VENDOR, MOUNT T.O. HOOK AT 47 1/2" AFF

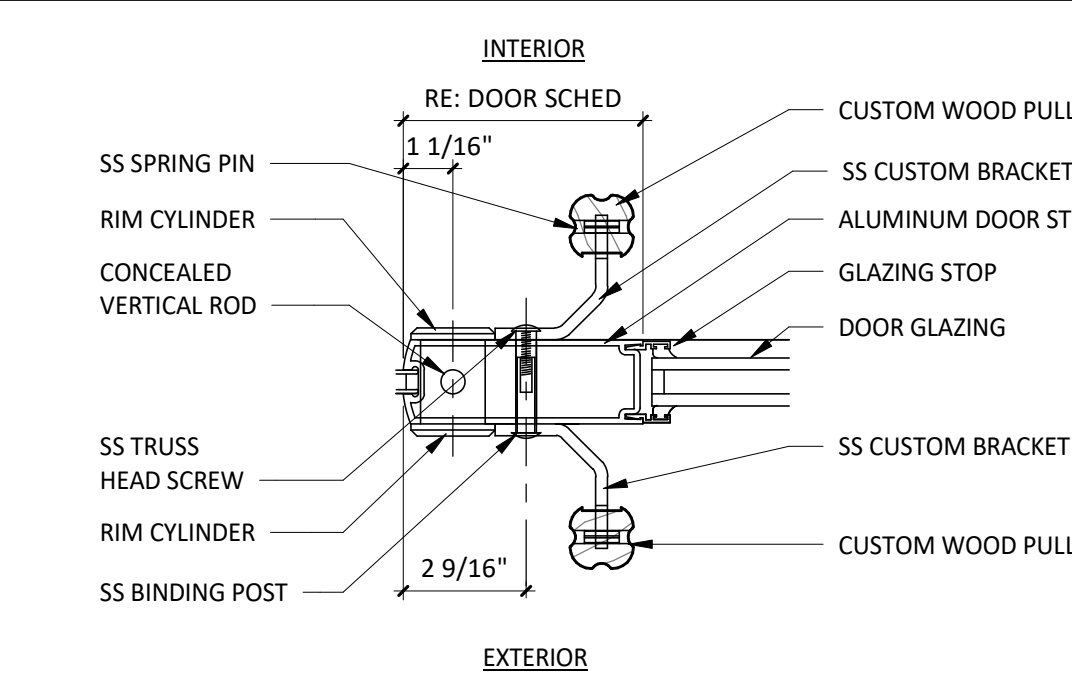
GENERAL DOOR HARDWARE

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

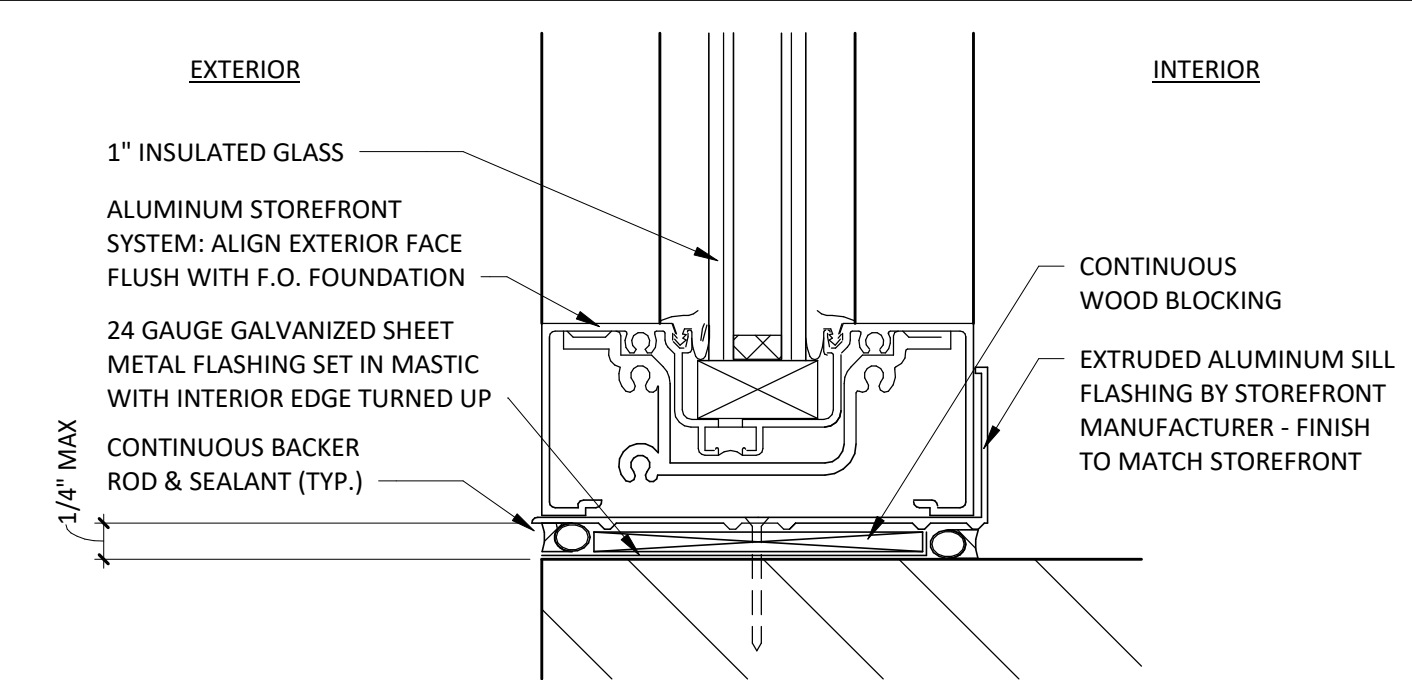
DOOR FRAME



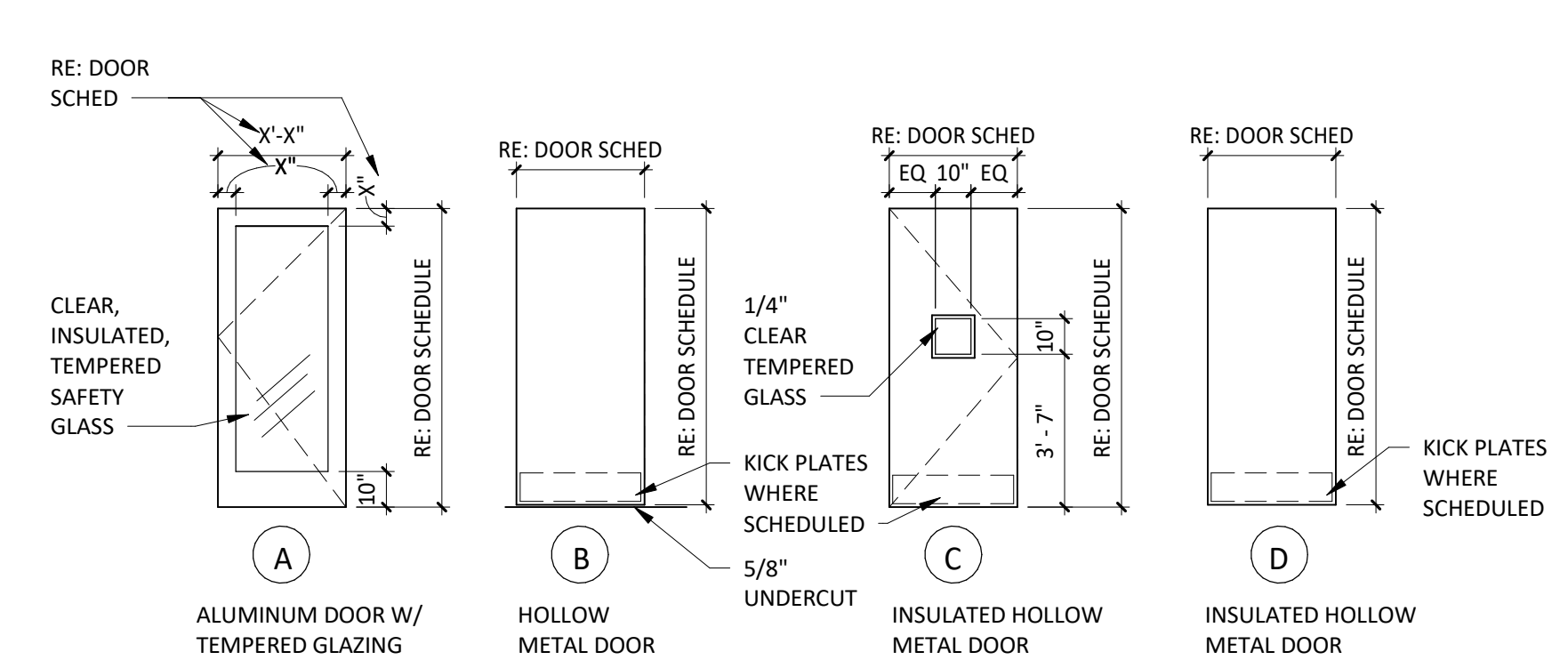
CUSTOM WOOD PULL



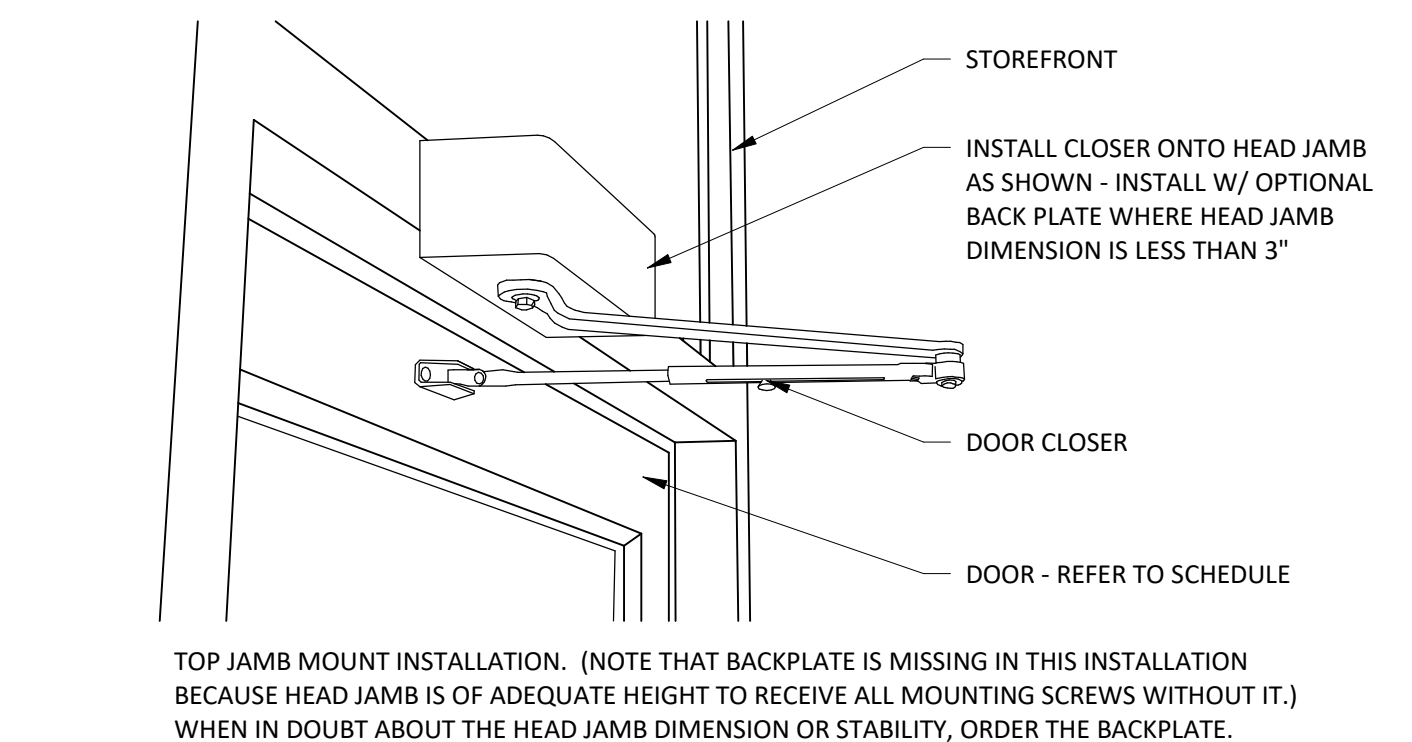
SILL FLASHING



DOOR TYPES



DOOR CLOSER



CONSULTANT:



CLIENT:

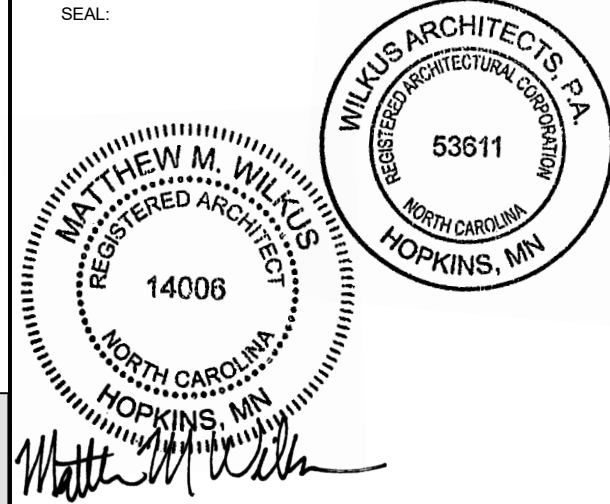


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PROJECT INFORMATION:

STORE NO.: 5479
"HOPE VALLEY"
7021 NC - 751 HIGHWAY #901
DURHAM, NORTH CAROLINA 27707

SEAL:



August 08, 2024

MATTHEW M. WILKUS
LICENSE #14006
(EXPIRES 06/30/2025)

PROJECT NO. 2024-0145

DRAWN BY SAS / KDRB

CHECKED BY DLA / MMW / KAM

ISSUE RECORD:

04/29/2024	HEALTH SUBMITTAL
05/28/2024	PERMIT SET
07/08/2024	BID SET
08/06/2024	CONSTRUCTION SET

REVISIONS:

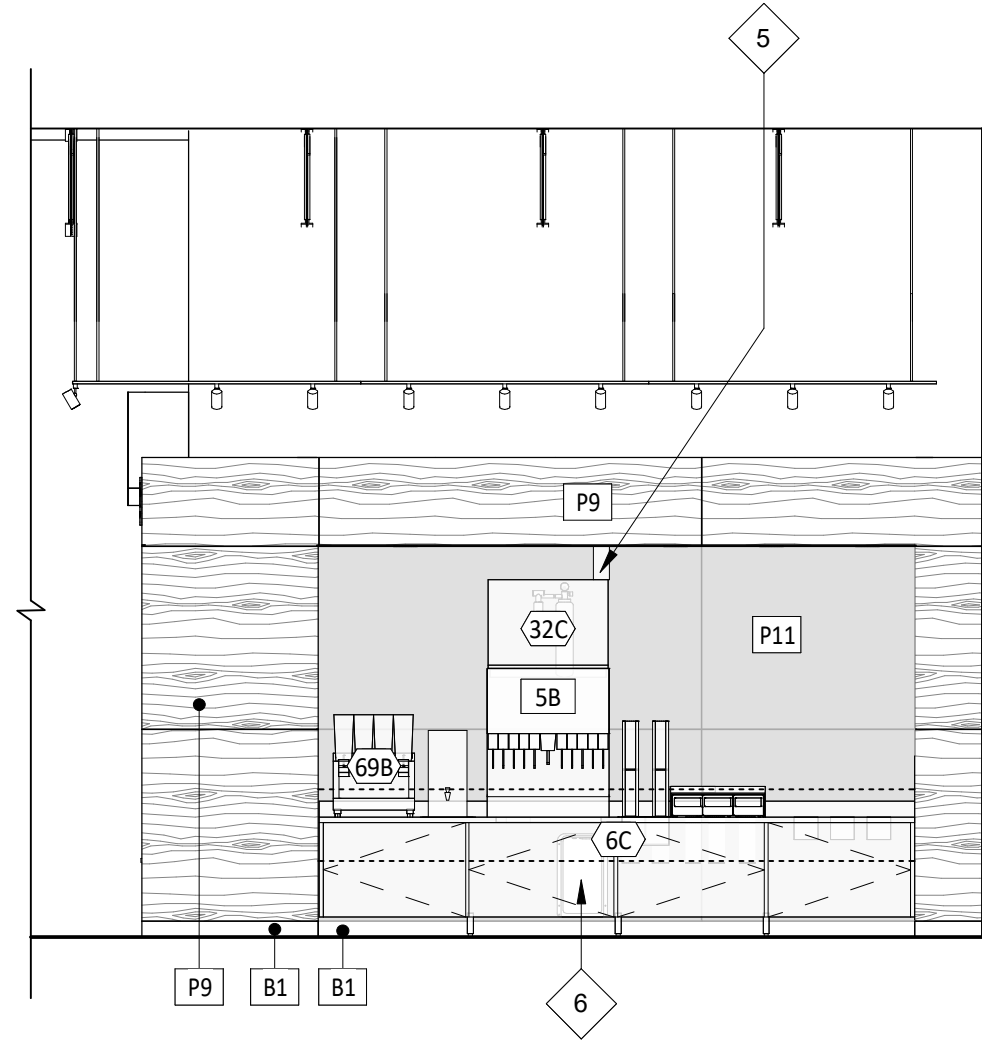
2 07/08/2024 DB03 2024

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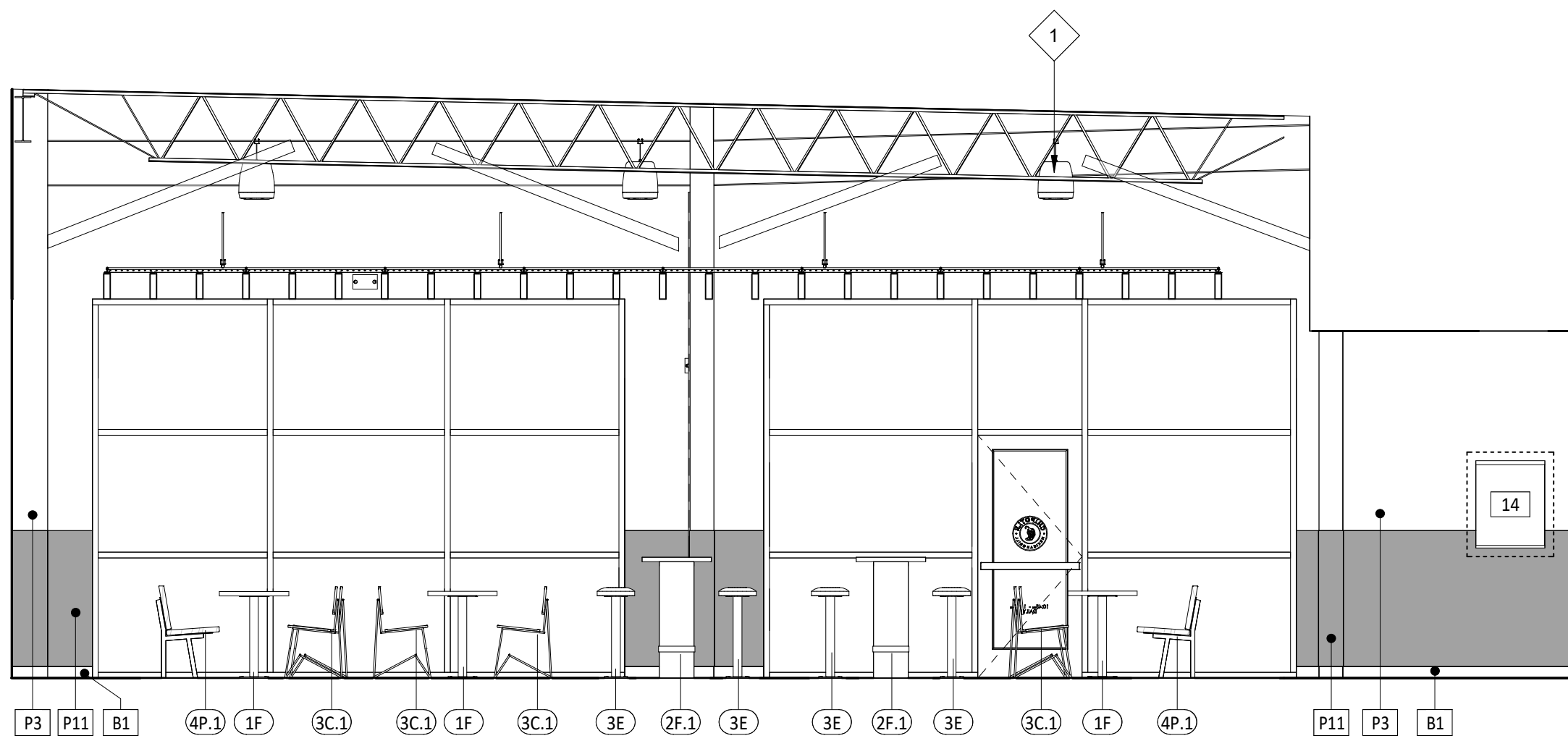
DOOR &
HARDWARE
SCHEDULE

SHEET NUMBER:

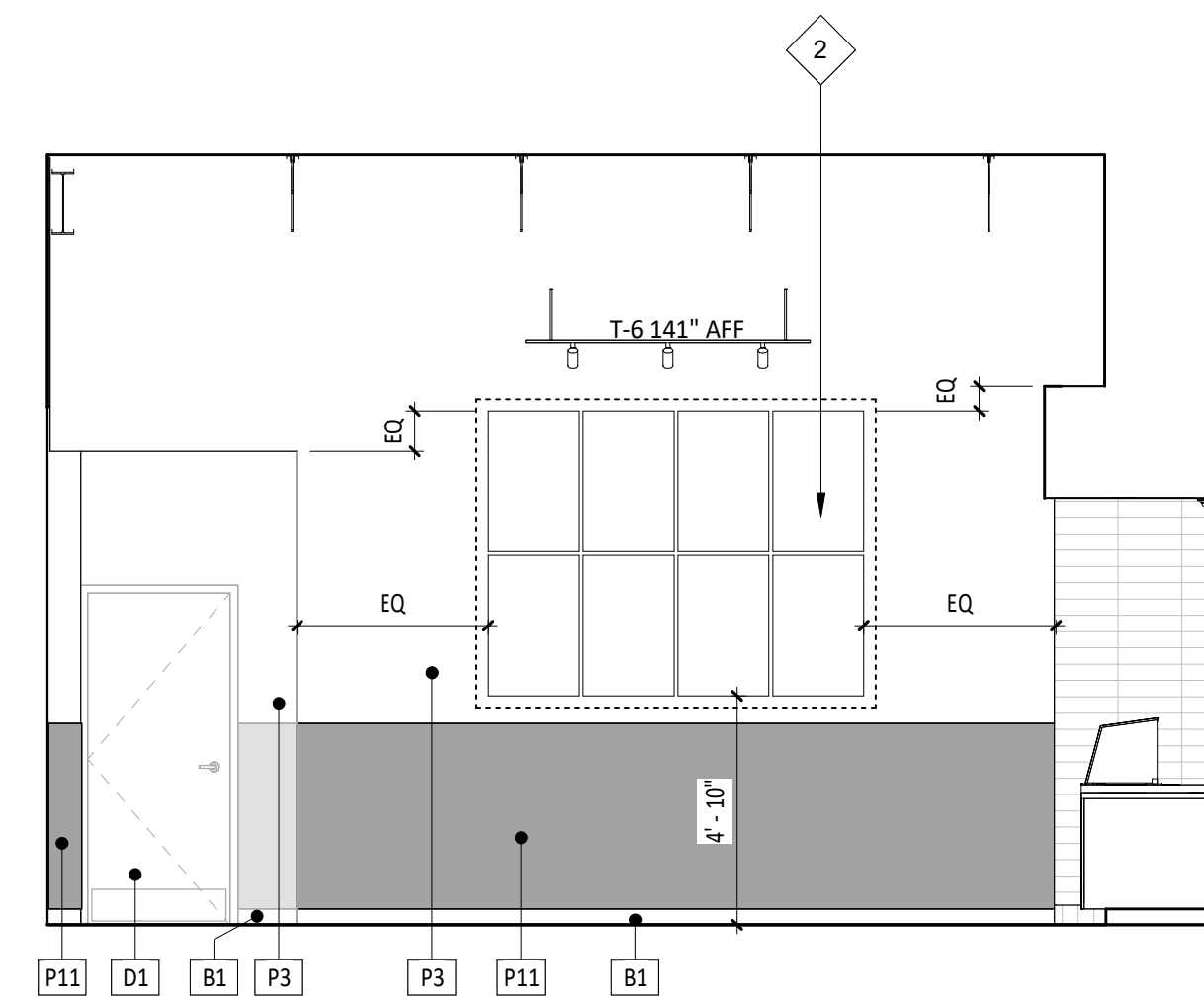
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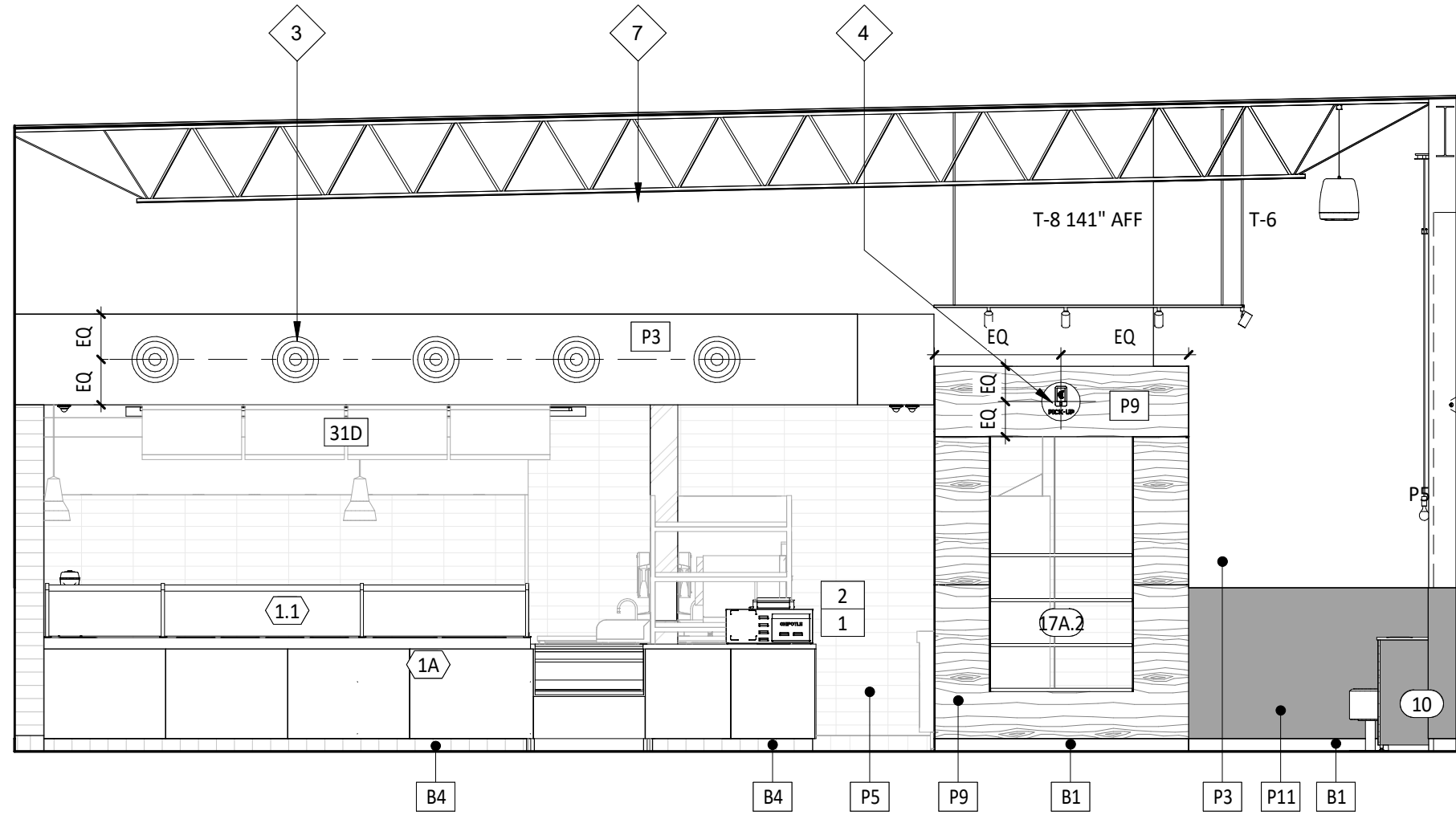
1 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0" A701



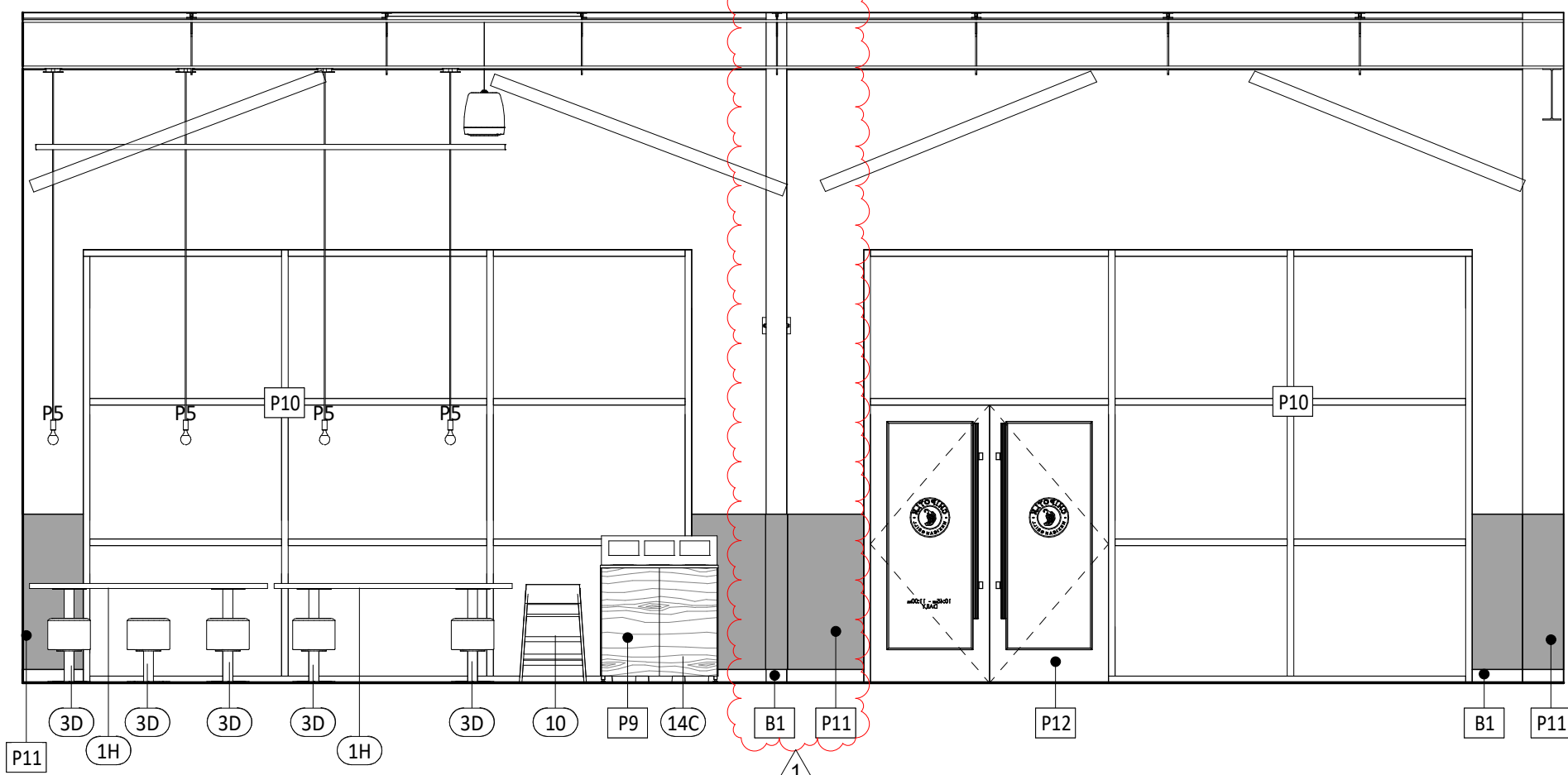
2 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0" A701



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



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



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

GENERAL NOTES - INT. ELEV.

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

ELEVATION LEGEND

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

KEYNOTE LEGEND

- 1 SPEAKER LOCATION - REFER TO A201 FOR ADDITIONAL INFORMATION.
2 8 - PANEL ARTWORK LOCATION.
3 DUCTWORK SHOWN FOR REFERENCE ONLY - REFER TO MECHANICAL DRAWINGS FOR ALL FINAL DUCTWORK LOCATIONS.
4 PICK-UP SIGN BY TENANT SIGNAGE VENDOR - INSTALLED BY GENERAL CONTRACTOR - COORDINATE REQUIRED BLOCKING REQUIREMENTS.
5 GENERAL CONTRACTOR TO PROVIDE STAINLESS STEEL SHROUD AROUND EXPOSED LINES AT ICE MAKERS - REFER TO FINISH PLANS FOR DETAILS.
6 SODA CHASE BEYOND - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
7 EXISTING STRUCTURE TO REMAIN UNPAINTED - REFER TO A140 AND A201 FOR ADDITIONAL INFORMATION.

CONSULTANT:



CLIENT:



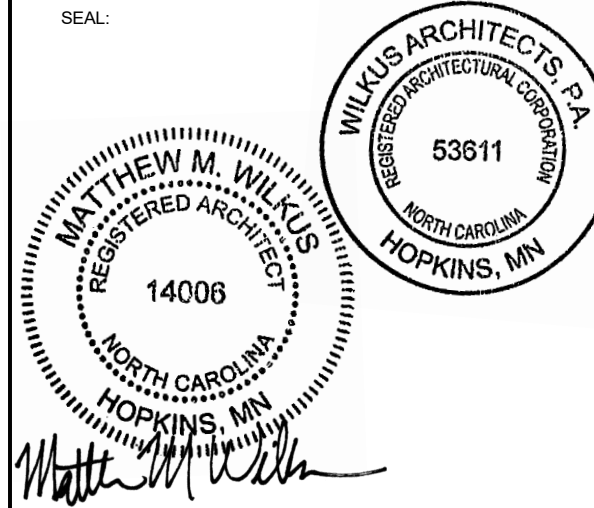
CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182966
COLUMBUS, OH 43218-2966
TELEPHONE: (614) 318-2482
INTERNET: WWW.CHIPOTLE.COM

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PROJECT INFORMATION:

STORE NO.: 5479
"HOPE VALLEY"
7021 NC - 751 HIGHWAY #901
DURHAM, NORTH CAROLINA 27707

SEAL:



August 08, 2024

MATTHEW M. WILKUS
LICENSE #14006
(EXPIRES 06/30/2025)

PROJECT NO. 2024-0145
DRAWN BY SAS / KDRB
CHECKED BY DLA / MMW / KAM

ISSUE RECORD:
04/29/2024 HEALTH SUBMITTAL
05/28/2024 PERMIT SET
07/08/2024 BID SET
08/06/2024 CONSTRUCTION SET

REVISIONS:

1 02/06/2024 GENERAL UPDATES

TITLE:

ELEVATIONS -
INTERIOR DINING

SHEET NUMBER:

A701

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

WALL FINISH VARIES, REFER TO A120

PAPER TOWEL DISPENSER

TANK SOAP DISPENSER

HYGIENE DISPENSER

NOTE: REFER TO SHEET G002 FOR ALL REQUIRED ACCESSIBLE MOUNTING HEIGHTS. CONTACT ARCHITECT IMMEDIATELY WITH ANY DISCREPANCIES

CLEANER SPARY BOTTLE AND BRACKET, ALIGN OUTER EDGE OF SPRAY BOTTLE WITH OUTER EDGE OF SINK ABOVE AND BOTTOM OF BOTTLE WITH ADJ. SANITARY BUCKET

PROVIDE BLOCKING BEHIND HAND SINK AND ASSOCIATED OBJECTS WHEN REQUIRED, REFER TO ELEVATIONS ON THIS SHEET FOR EXACT LOCATIONS

HAND SINK, INSTALL TWO (2) SCREWS WITH FINISH GROMMETS INTO BACKSPLASH. SCREWS TO BE 1/4" x 3 1/2" STAINLESS STEEL LAG BOLT WITH OVAL HEAD AND STAINLESS STEEL TRIM WASHER. PROVIDE BLOCKING AS REQUIRED AT EACH SCREW LOCATION

SANITARY BUCKET, ALIGN OUTER EDGE OF BUCKET WITH OUTER EDGE OF PAPER TOWEL DISPENSER ABOVE, MOUNT B.O. BRACKET AS SHOWN.

1 TYP ELEV - HAND SINK

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

3/4" WHITE MEL. SHELVES WITH 16" STANDARDS AND 36" BRACKETS, SECURE OFFICE SHELVEING THROUGH STUD WITH 2 1/2" WOOD SCREWS

PROVIDE BLOCKING BEHIND ALL SHELVEING, SEE SHEET A110 GENERAL NOTES

(1) UNDERCOUNTER WIRE SHELVES FOR DSL EQUIPMENT BY TENANT

15" MONITOR AND SERVER INSTALLED BY TENANT

NOTE: REFER TO ELECTRICAL SHEETS FOR POS OUTLET LOCATIONS

WALL BASE, REFER TO A120

B.O. CEILING TILE REFER TO A201

STEREO: HI/FI RECEIVER BY TENANT

COLOR LCD SECURITY MONITOR BY TENANT W/ VMP LCD-1 MOUNTING ARM

SAFE

PRINTER/FAX/COPIER PROVIDED BY TENANT

1 1/2" PLAN COUNTERTOP WITH WHITE METAL BRACKETS

NOTE: COUNTERTOP AND SHELVEING PROVIDED BY TEM, INSTALLED BY G.C.

2 DRAWER LOCKABLE FILE CABINET BY TENANT

2 TYP ELEV - OFFICE SHELVEING

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

PANIC BUTTON, CONFIRM LOCATION WITH CHIPOTLE CONSTRUCTION MANAGER

CUP DISPENSER SUPPLIED AND INSTALLED BY DELFIELD, MOUNT CENTERED LEFT TO RIGHT IN THIS COMPARTMENT

PROVIDE CLEARANCE FOR CASH DRAWER

NOTE: REFER TO ELECTRICAL SHEETS FOR POS OUTLET LOCATIONS

3 TYP. ELEV - POS

SCALE: 3/4" = 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 SHELVEING, TYP.

C. REFER TO A120 FOR FINISH SCHEDULE.

D. REFER TO A201 AND ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.

ELEVATION LEGEND

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

KEYNOTE LEGEND

1 ELECTRICAL PANEL LOCATION, REFER TO ELECTRICAL DRAWINGS FOR DETAILS.

2 ANSUL PULL TO BE LOCATED 48" A.F.F. TO THE CENTER OF UNIT ABOVE THE TIMECLOCK LOCATION.

3 KRONOS TIMECLOCK WILL BE LOCATED 44" A.F.F. TO THE TOP OF UNIT - CENTER KRONOS UNIT IN WALL - REFER TO ELECTRICAL DRAWINGS.

4 MOVEABLE LINEN BINS WITH LID.

5 GENERAL CONTRACTOR TO PROVIDE STAINLESS STEEL SHROUD AROUND EXPOSED LINES AT ICE MAKERS - REFER TO FINISH PLANS FOR DETAILS.

6 SODA CHASE BEYOND - REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

7 WATER FILTER - REFER TO PLUMBING SHEETS FOR ADDITIONAL INFORMATION.

8 ALUMINUM PLATE SILL, HEAD AND JAMBS AS INDICATED - REFER TO DETAILS 12 & 13/A802.

9 PROVIDE F.R.P. CLOSURE BETWEEN FINISH CEILING AND TOP OF COOLER.

10 FUTURE REACH IN COOLER, KEEP CLEAR

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"

8 KITCHEN ELEVATION

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

9 KITCHEN ELEVATION

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

10 KITCHEN ELEVATION

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

11 KITCHEN ELEVATION

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

12 KITCHEN ELEVATION

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

13 KITCHEN ELEVATION

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

14 KITCHEN ELEVATION

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

15 KITCHEN ELEVATION

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

16 KITCHEN ELEVATION

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

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.: 5479

"HOPE VALLEY"

7021 NC - 751 HIGHWAY #901

DURHAM, NORTH CAROLINA 27707

SEAL:

MATTHEW M. WILKUS
REGISTERED ARCHITECT
14006
NORTH CAROLINA
HOPKINS, MN

August 08, 2024

MATTHEW M. WILKUS
LICENSE #14006
(EXPIRES 06/30/2025)

PROJECT NO. 2024-0145

DRAWN BY SAS / KDRB

CHECKED BY DLA / MMW / KAM

ISSUE RECORD:

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08/06/2024 CONSTRUCTION SET

REVISIONS:

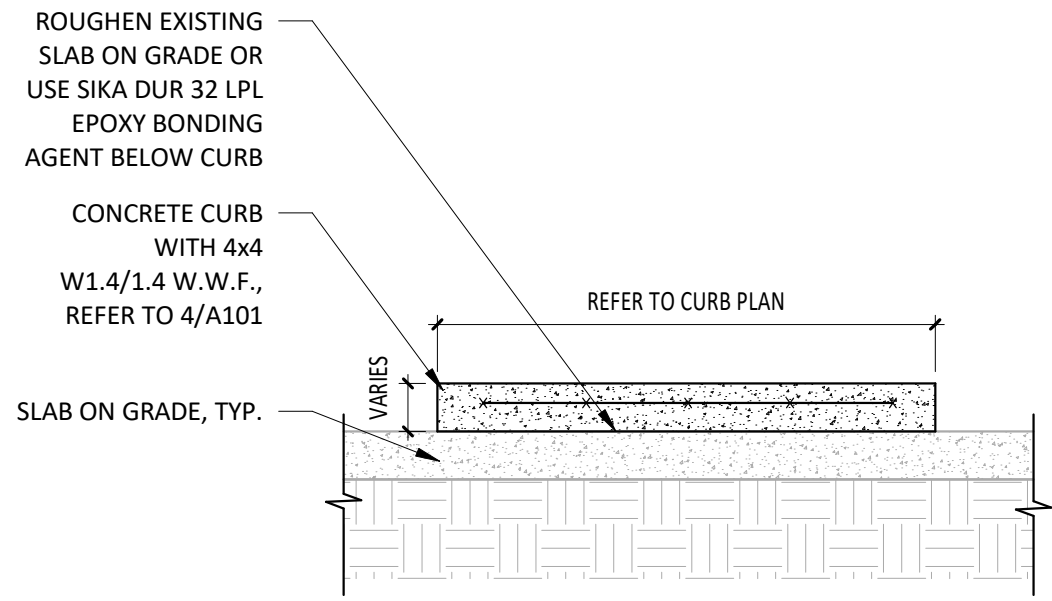
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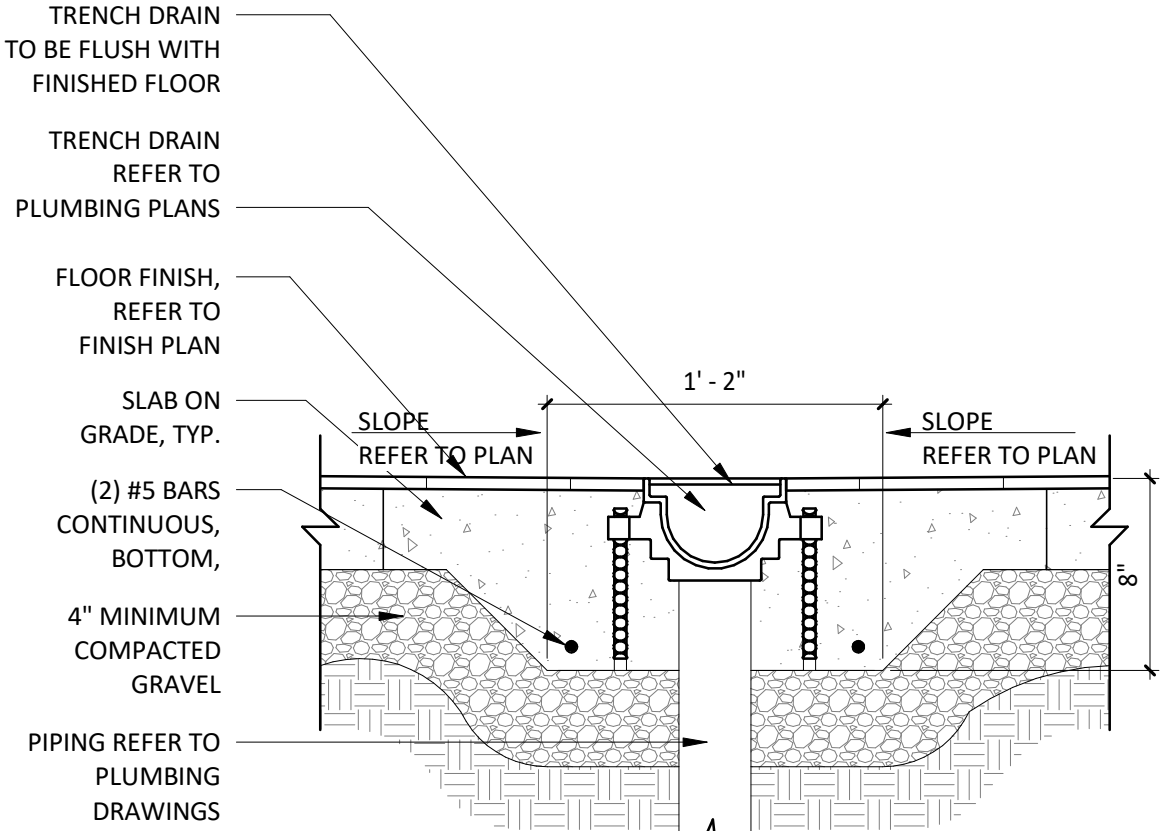
ELEVATIONS - INTERIOR KITCHEN

SHEET NUMBER:

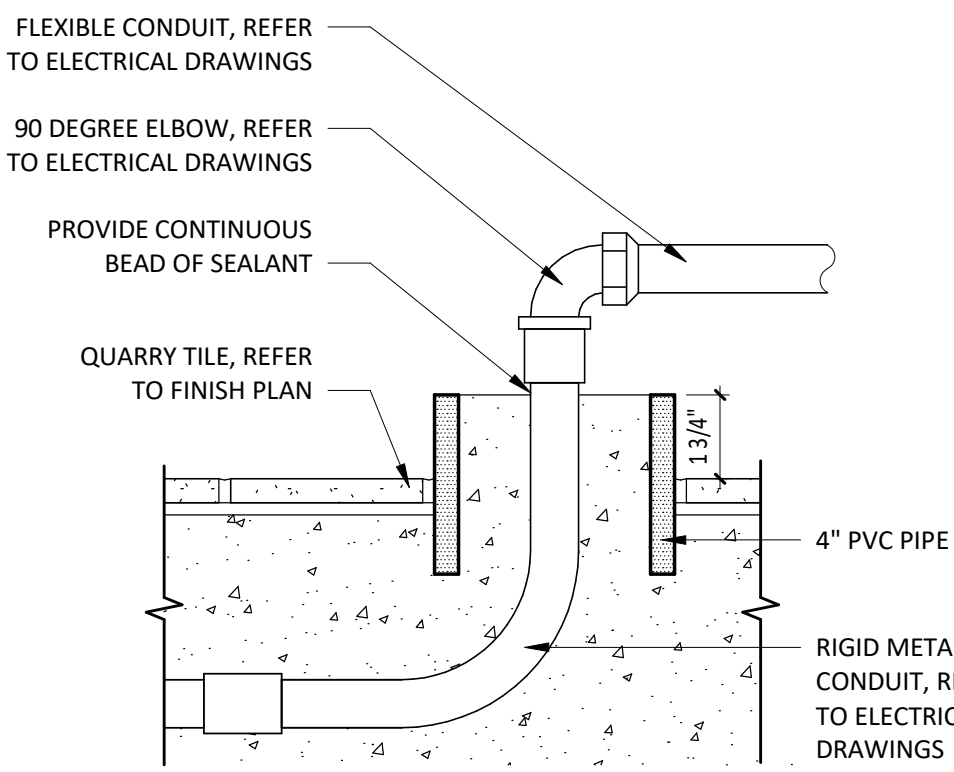
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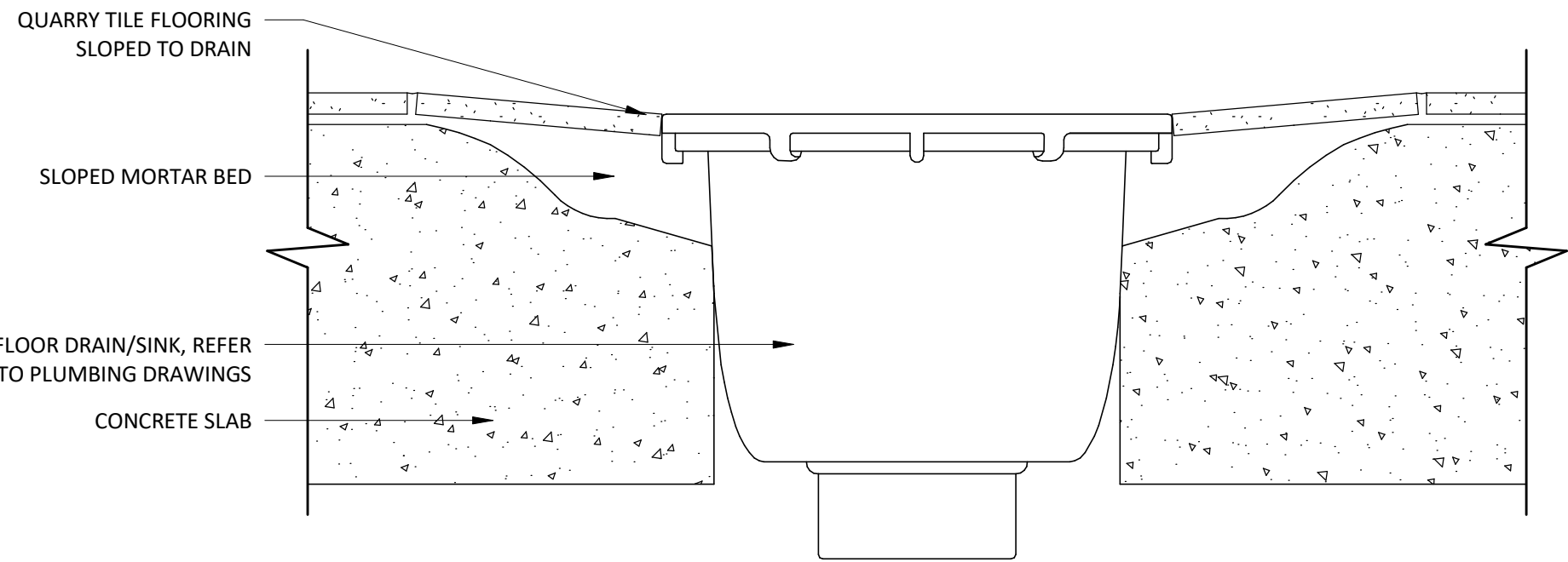
1 DETAIL @ CONCRETE CURB
SCALE: 3/4" = 1'-0"



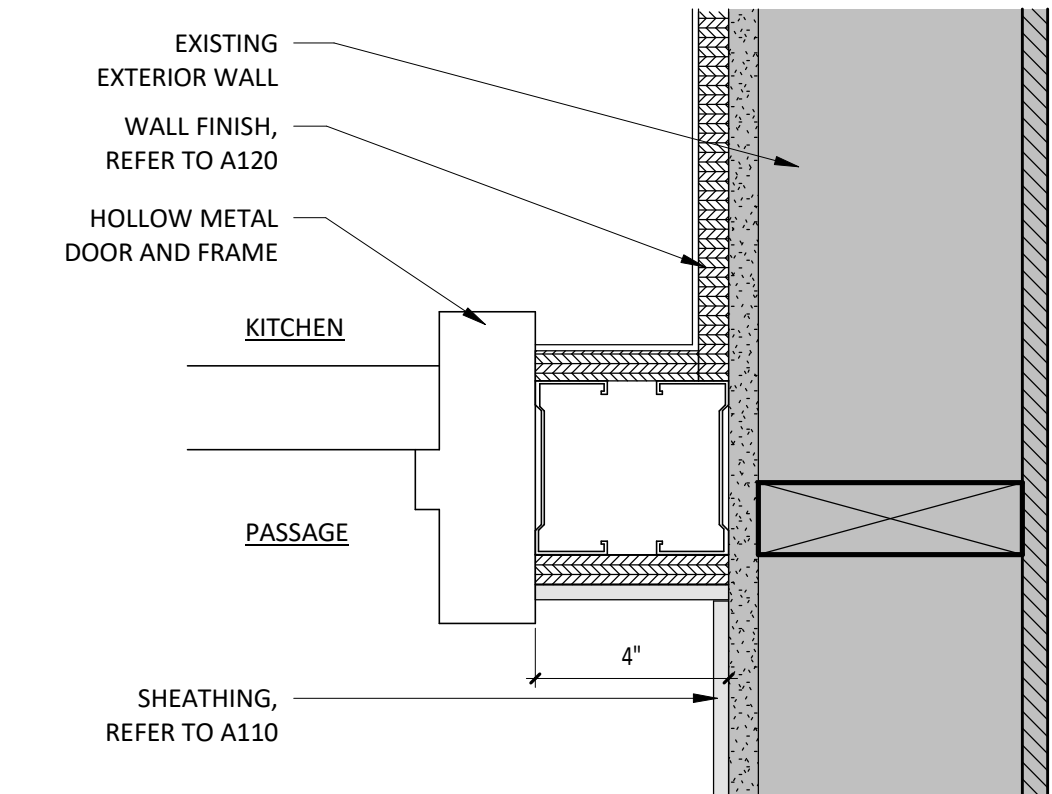
2 DETAIL @ TRENCH DRAIN
SCALE: 1 1/2" = 1'-0"



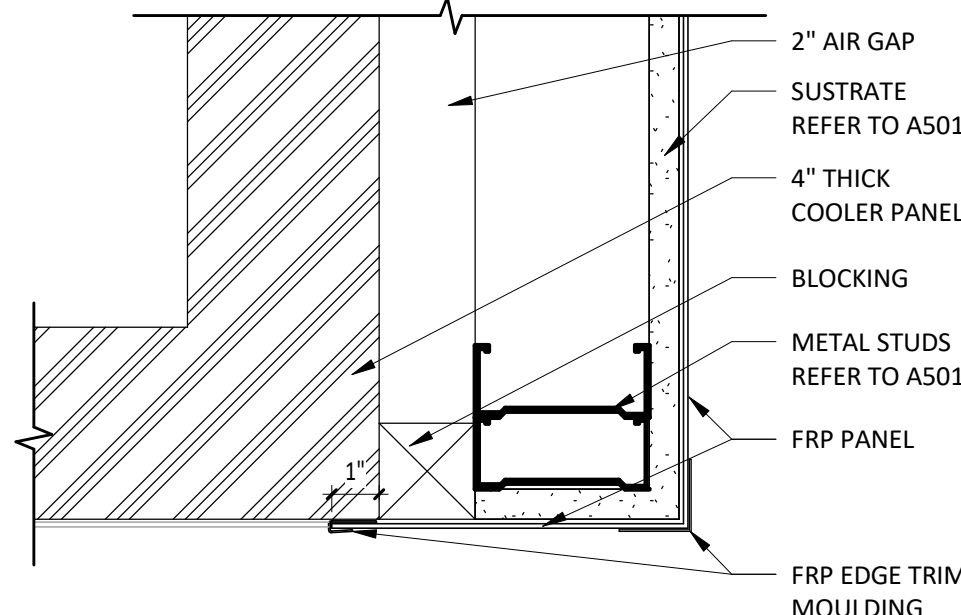
3 SECTION @ STUB LOCATION UNDER TABLES
SCALE: 3" = 1'-0"



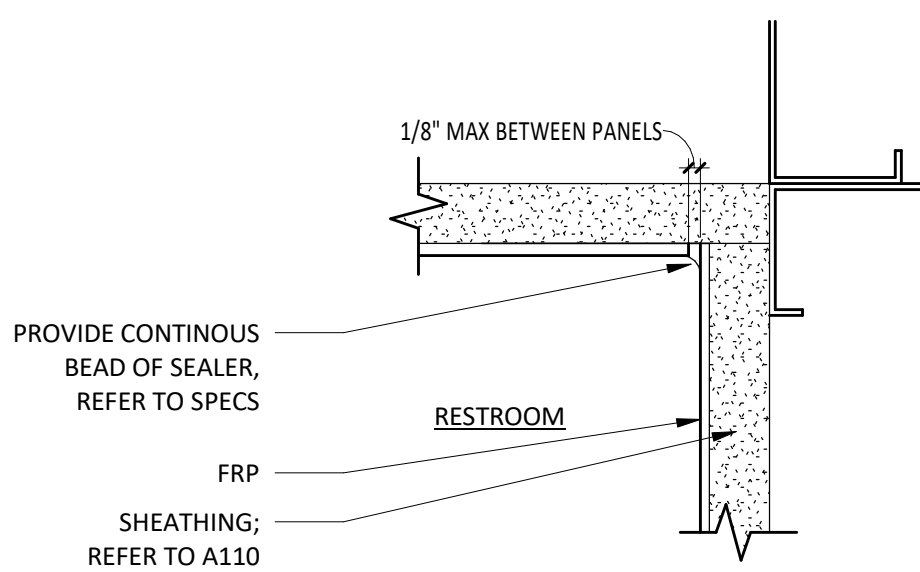
4 SECTION @ QT FLOOR DRAIN/SINK - TYP.
SCALE: 3" = 1'-0"



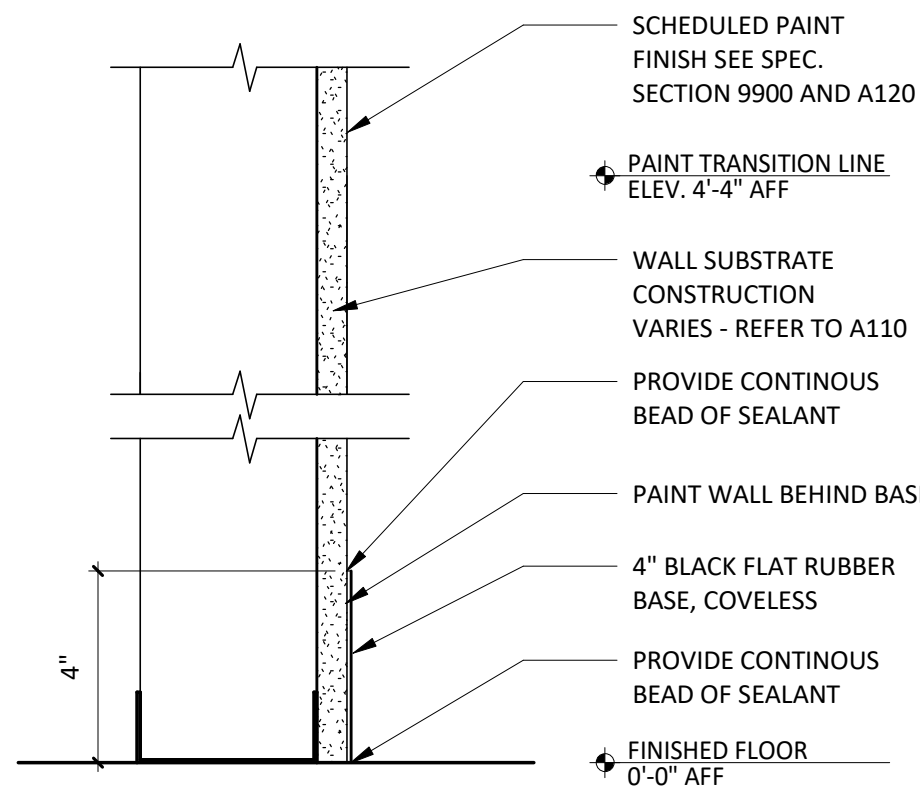
5 DETAIL @ DOOR JAMB
SCALE: 3" = 1'-0"



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

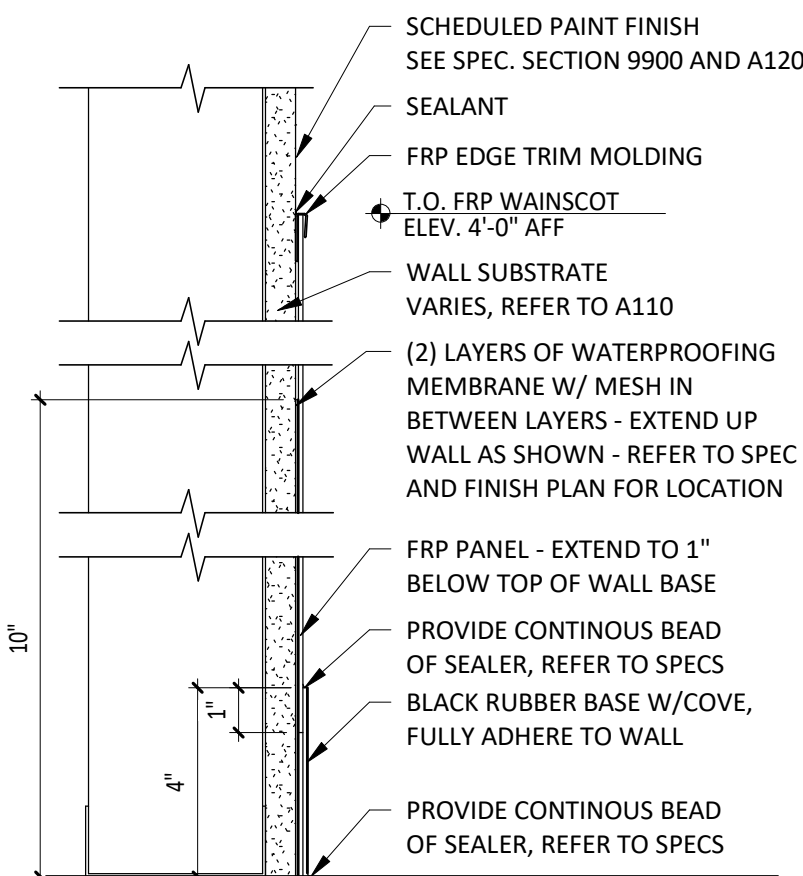


7 DETAIL @ RESTROOM FRP INSIDE CORNER
SCALE: 6" = 1'-0"

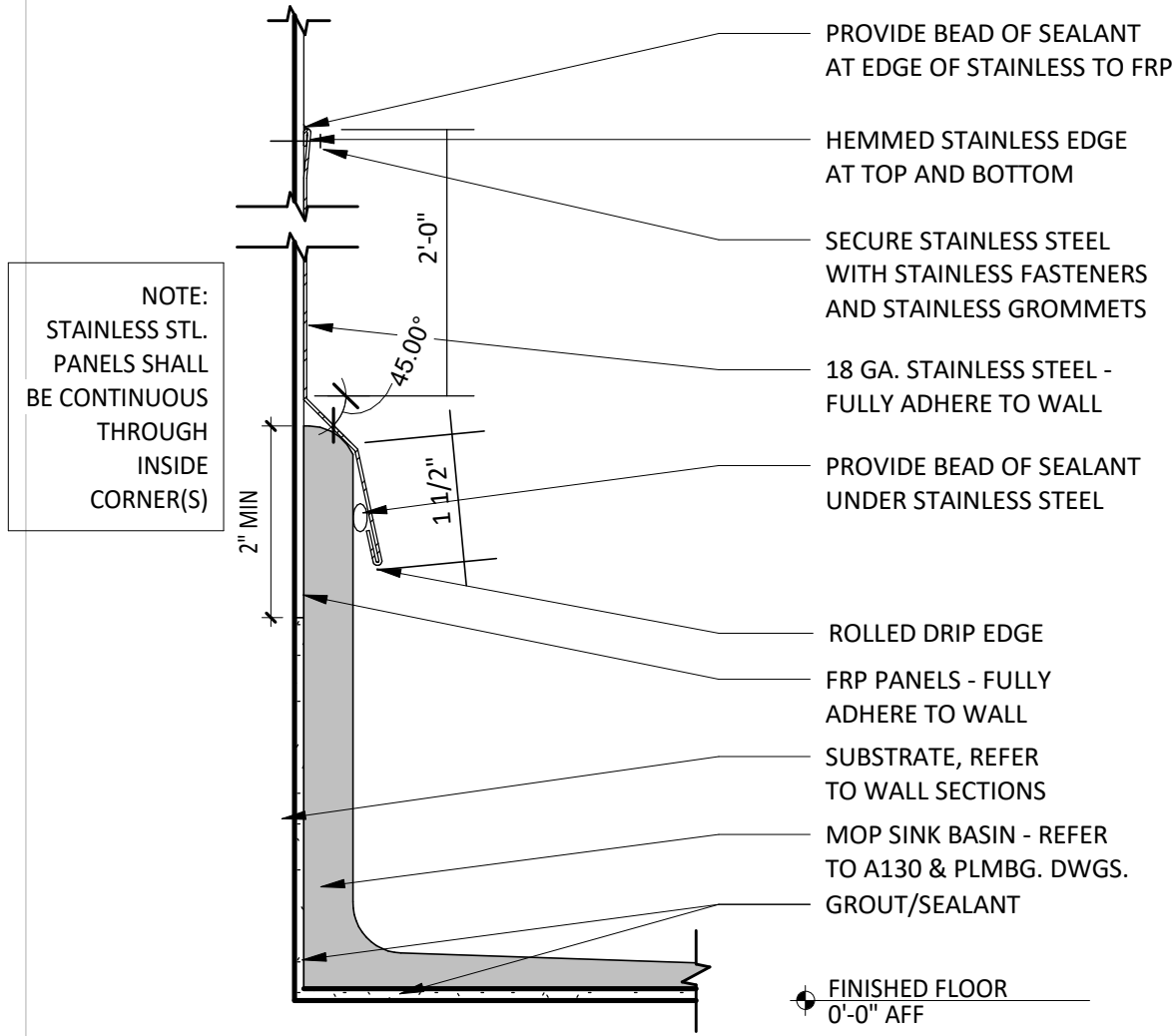


8 SECTION @ DINING ROOM WALL
SCALE: 3" = 1'-0"

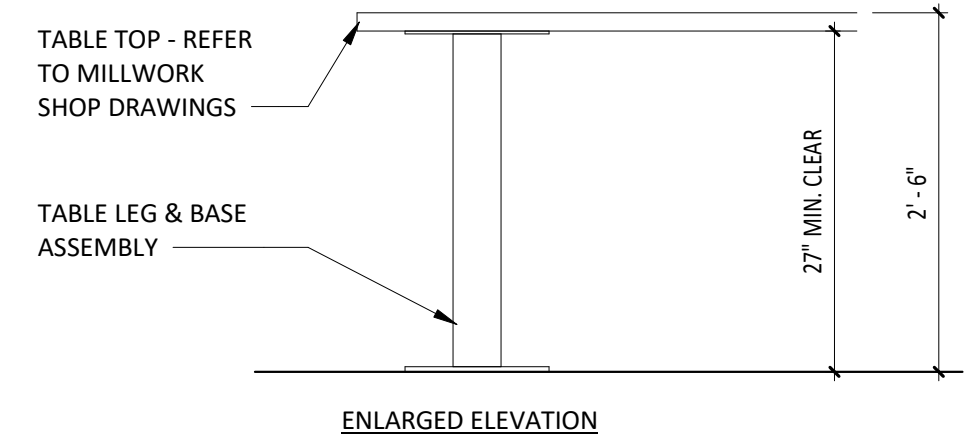
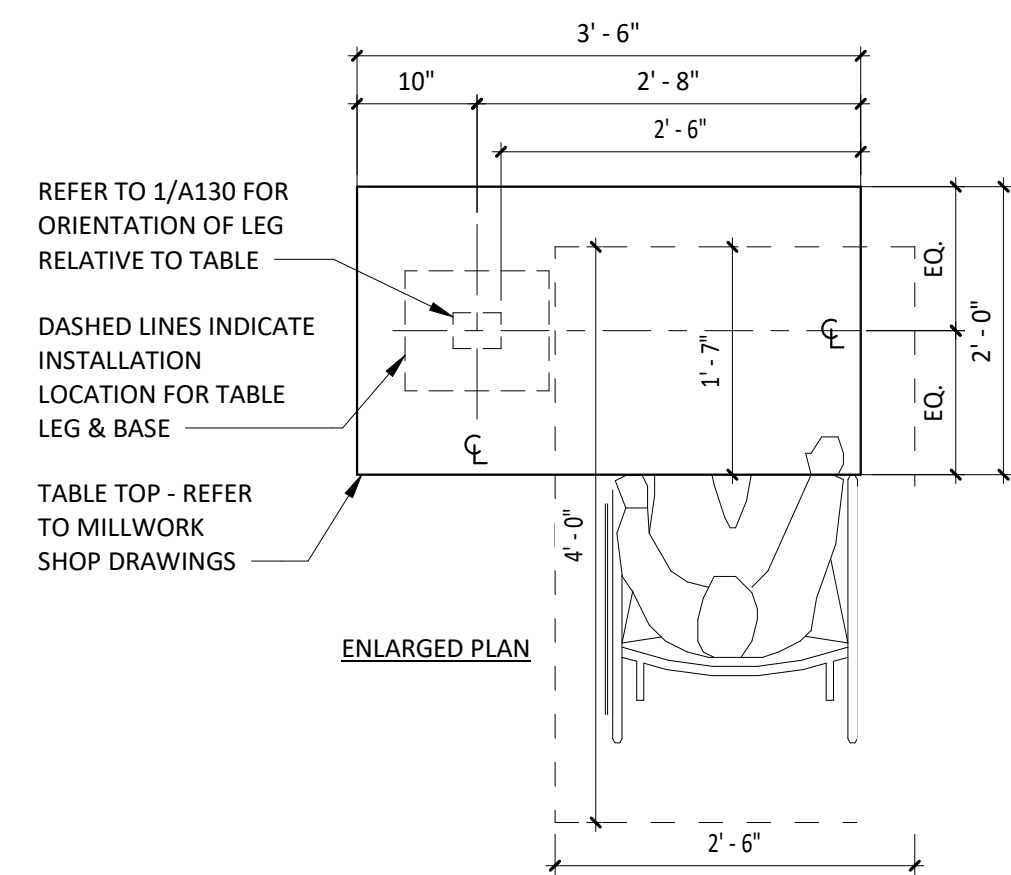
NOTE: ALL CONCEALED
WOOD TO BE FRT RATED



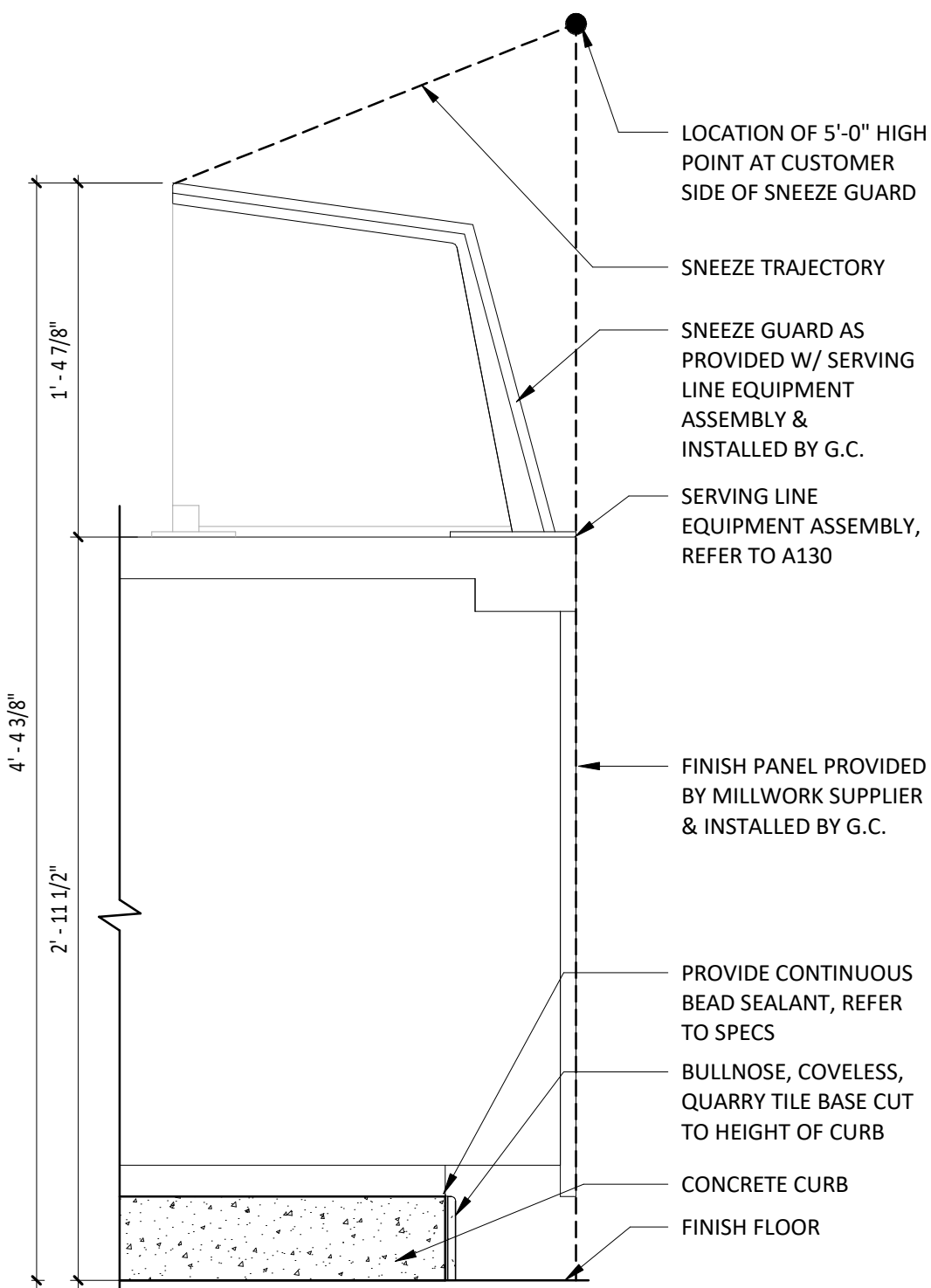
9 SECTION @ FRP WAINSCOT W/ RUBBER BASE
SCALE: 3" = 1'-0"



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



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

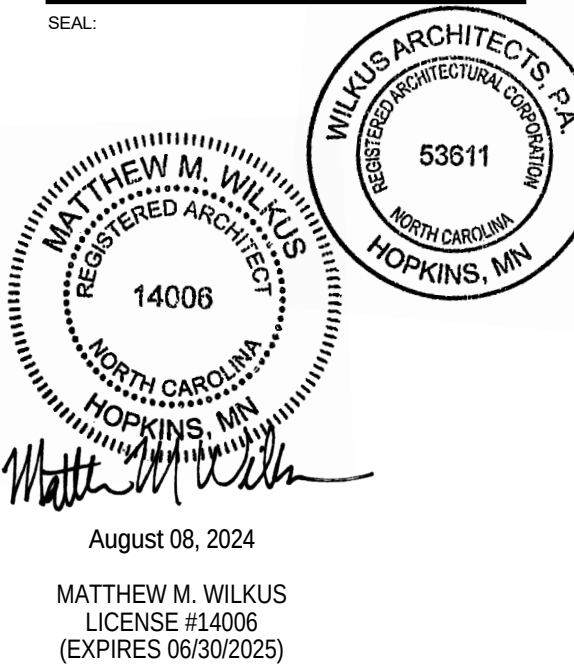


12 DETAIL @ SERVELINE SNEEZE GUARD
SCALE: 1 1/2" = 1'-0"



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PROJECT INFORMATION:
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"HOPE VALLEY"
7021 NC - 751 HIGHWAY #901
DURHAM, NORTH CAROLINA 27707



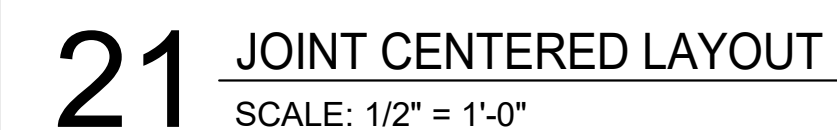
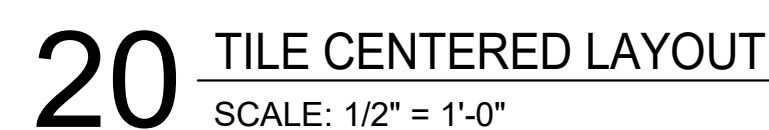
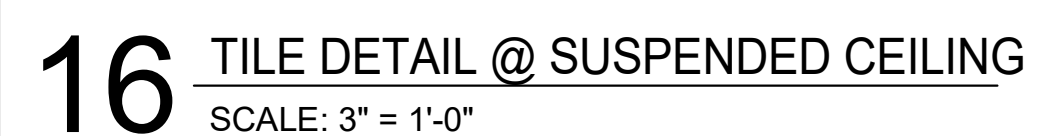
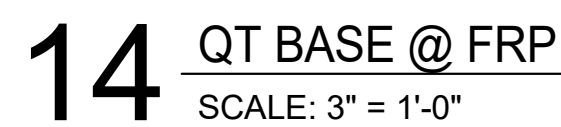
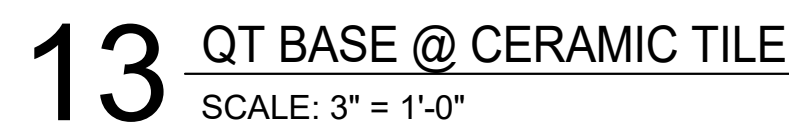
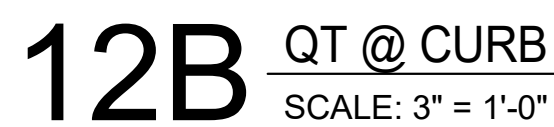
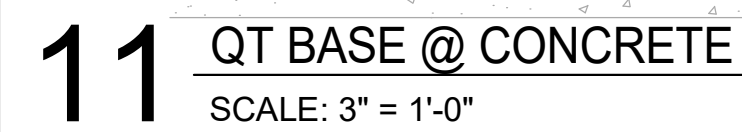
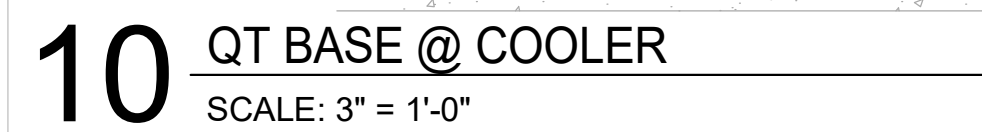
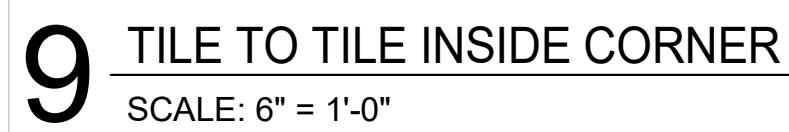
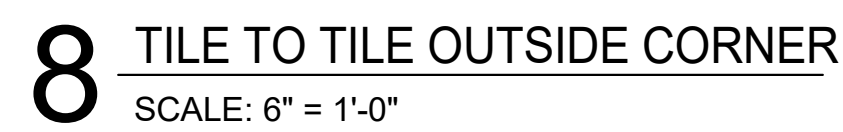
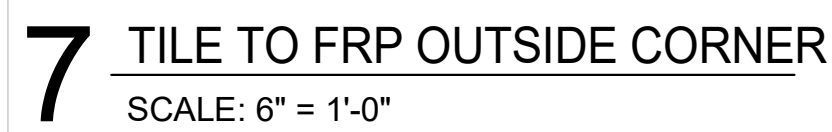
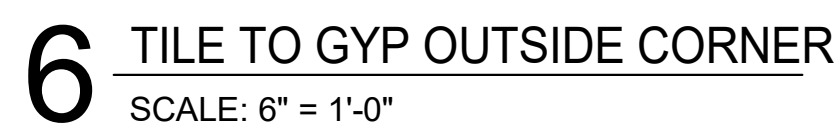
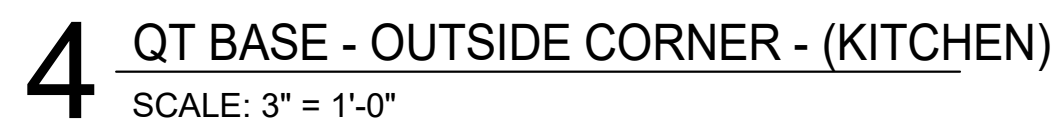
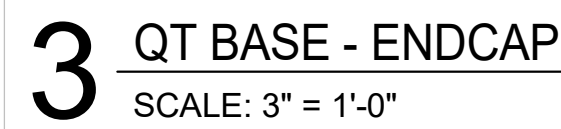
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DRAWN BY SAS / KDRB
CHECKED BY DLA / MMW / KAM

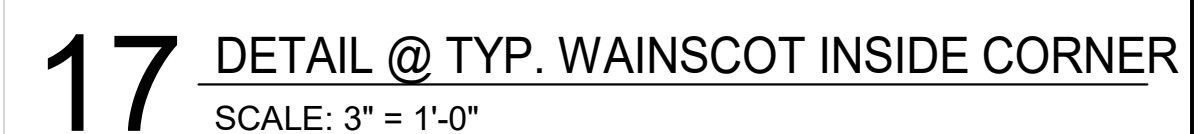
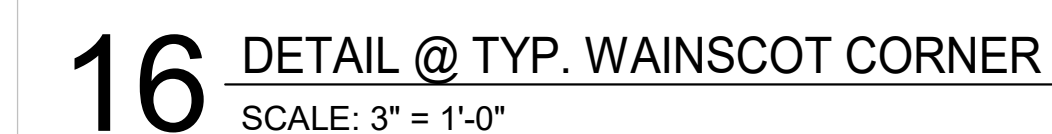
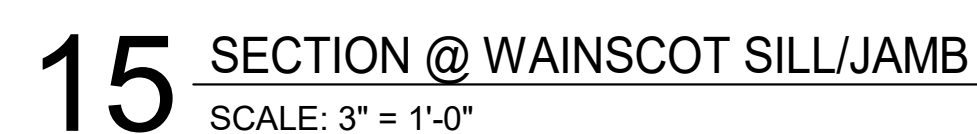
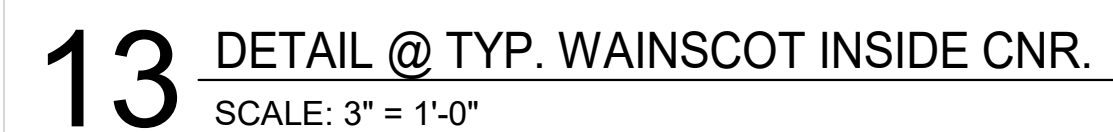
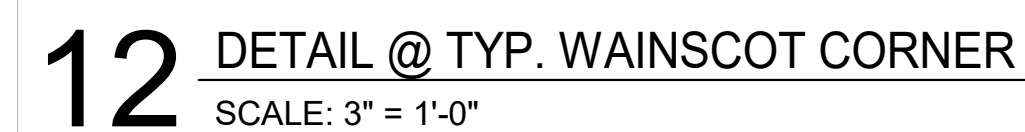
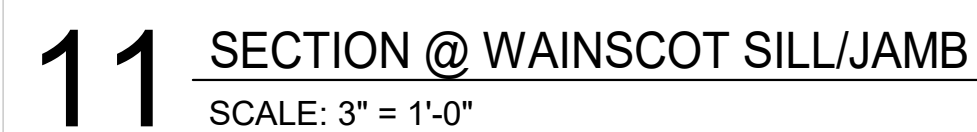
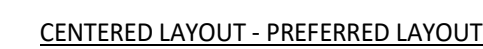
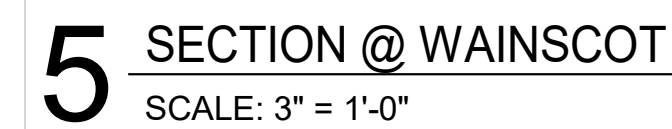
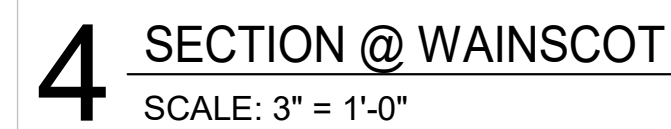
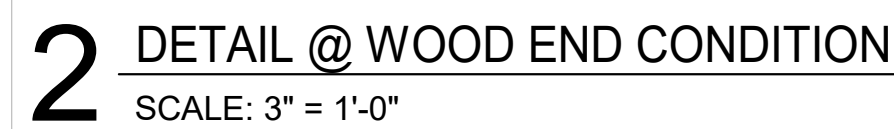
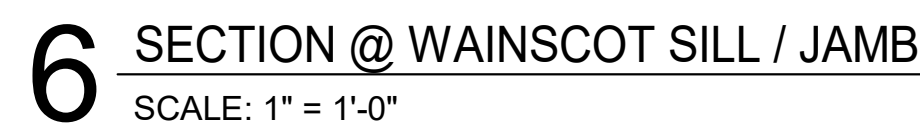
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05/28/2024	PERMIT SET
07/08/2024	BID SET
08/06/2024	CONSTRUCTION SET

REVISIONS:	

TITLE:
FINISH DETAILS -
GENERAL

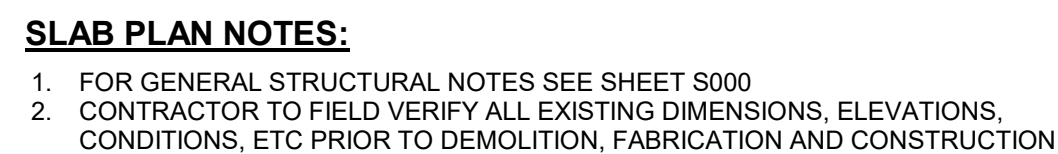
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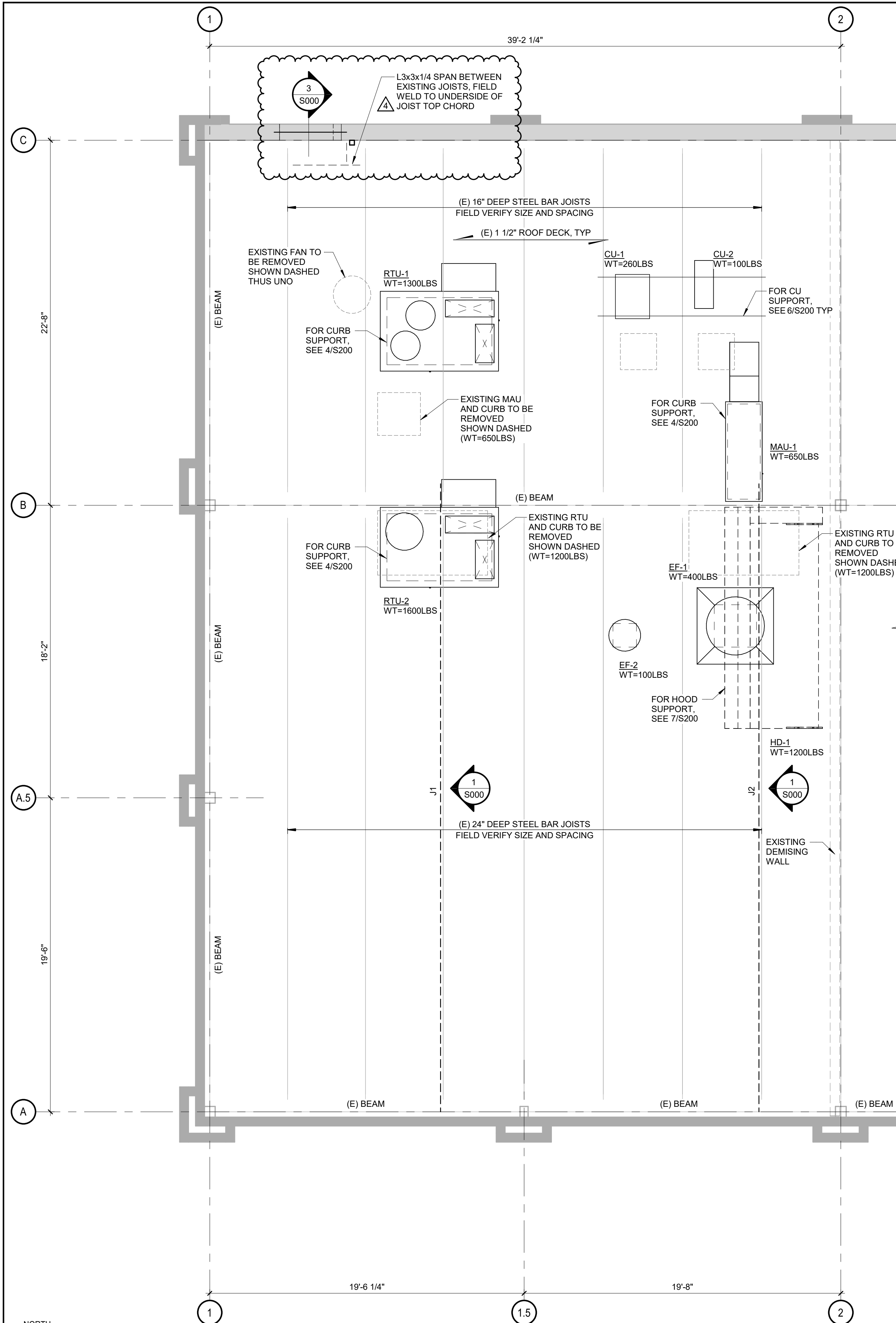




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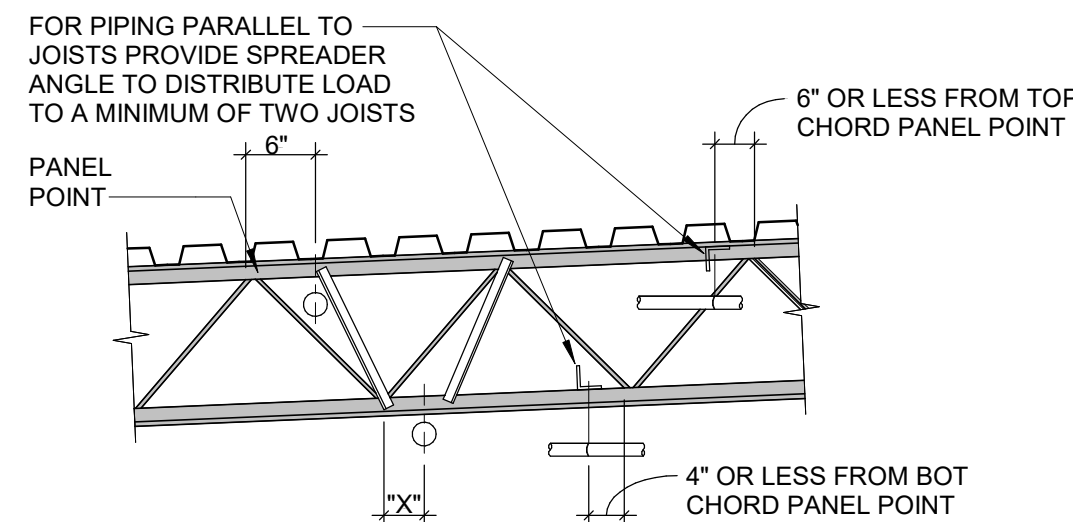


S100



EQUIPMENT SUPPORT PLAN
1 S200 1/4" = 1'-0"

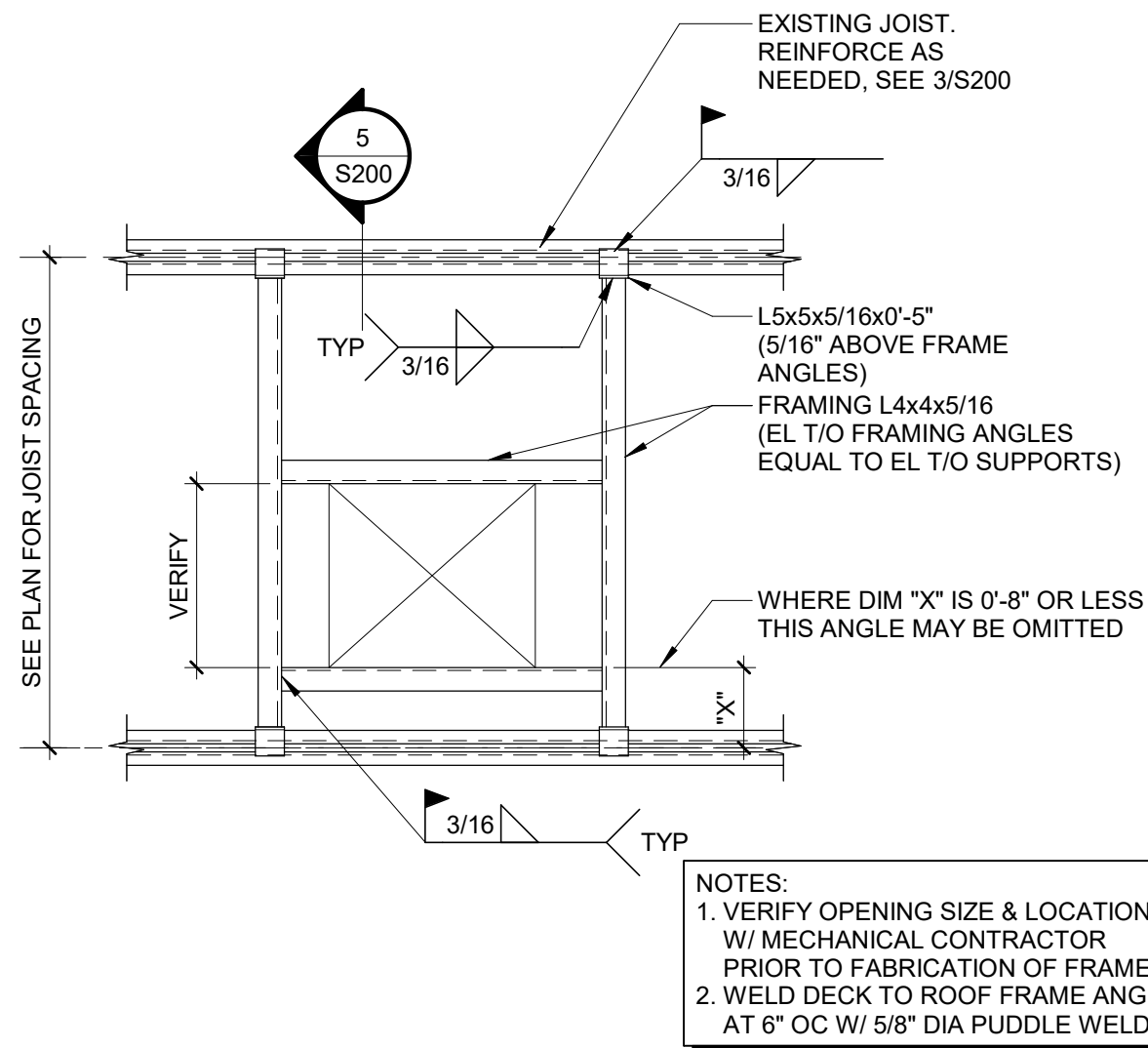
- EQUIPMENT SUPPORT PLAN NOTES:**
- FOR GENERAL STRUCTURAL NOTES SEE SHEET S000
 - CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, CONDITIONS, ETC PRIOR TO DEMOLITION, FABRICATION AND CONSTRUCTION
 - FOR ROOF DECK OPENINGS LARGER THAN 8" SEE 4/S200
 - "JX" ON PLAN DENOTES EXISTING ROOF JOIST TO BE REINFORCED, SEE 1/S000



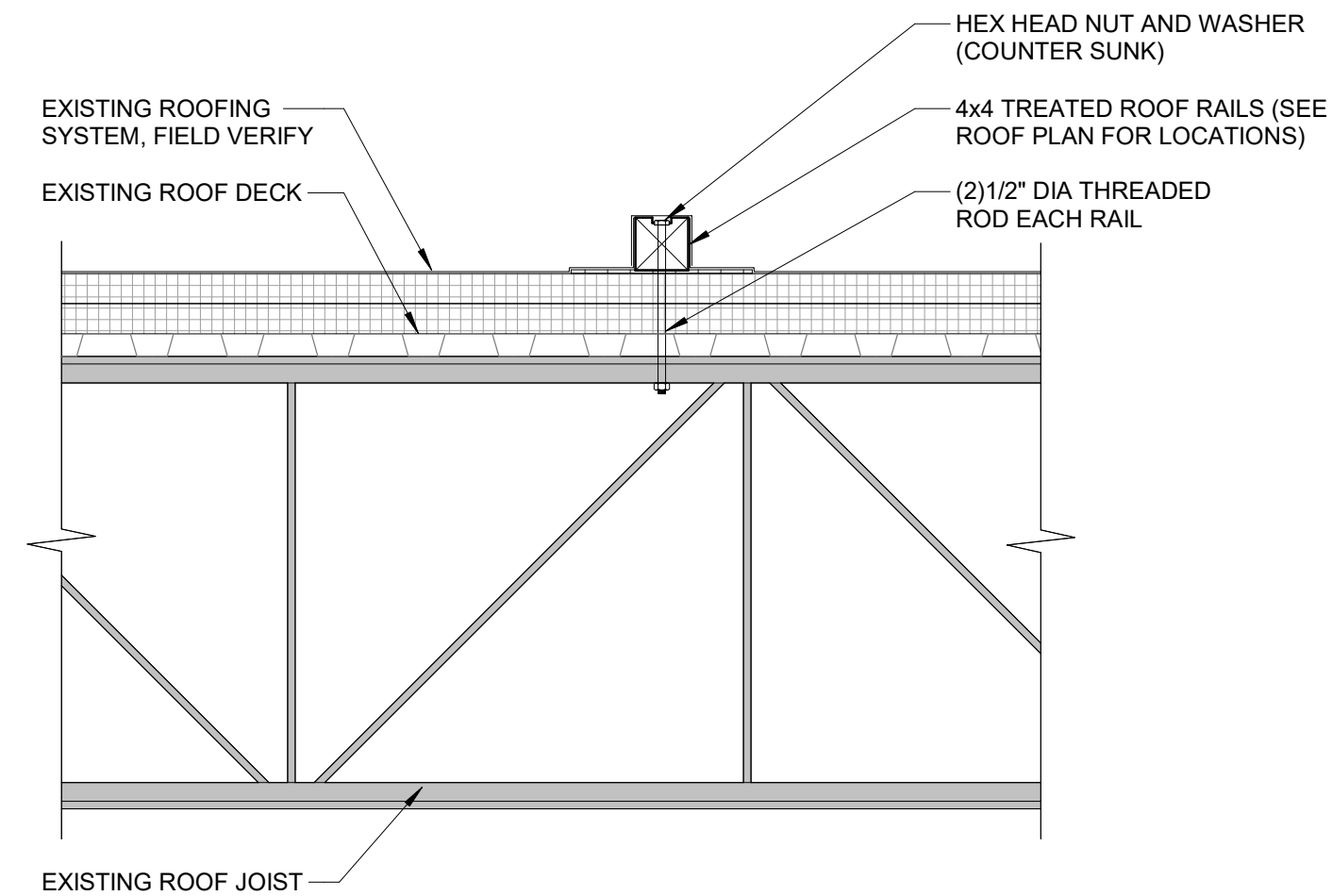
ALL CONCENTRATED LOADS 50 LBS OR MORE SHALL BE HUNG FROM STEEL JOISTS & BE LOCATED WITHIN 6" OF THE JOIST TOP OR BOTTOM CHORD PANEL POINTS. WHERE CONCENTRATED LOADS CANNOT BE HUNG WITHIN 6" OF A JOIST PANEL POINT, REINF JOIST W/ L1 1/2x3/16 FIELD WELD TO JOIST TOP AND BOTTOM CHORDS AT PARALLEL CHORD JOISTS

- NOTES:**
- NO DUCTWORK, PIPING OR EQUIPMENT SHALL BE HUNG FROM THE ROOF DECK OR JOIST BRIDGING. ALL SUCH ITEMS SHALL BE HUNG FROM THE BEAMS, JOISTS OR SUPPLEMENTAL STEEL

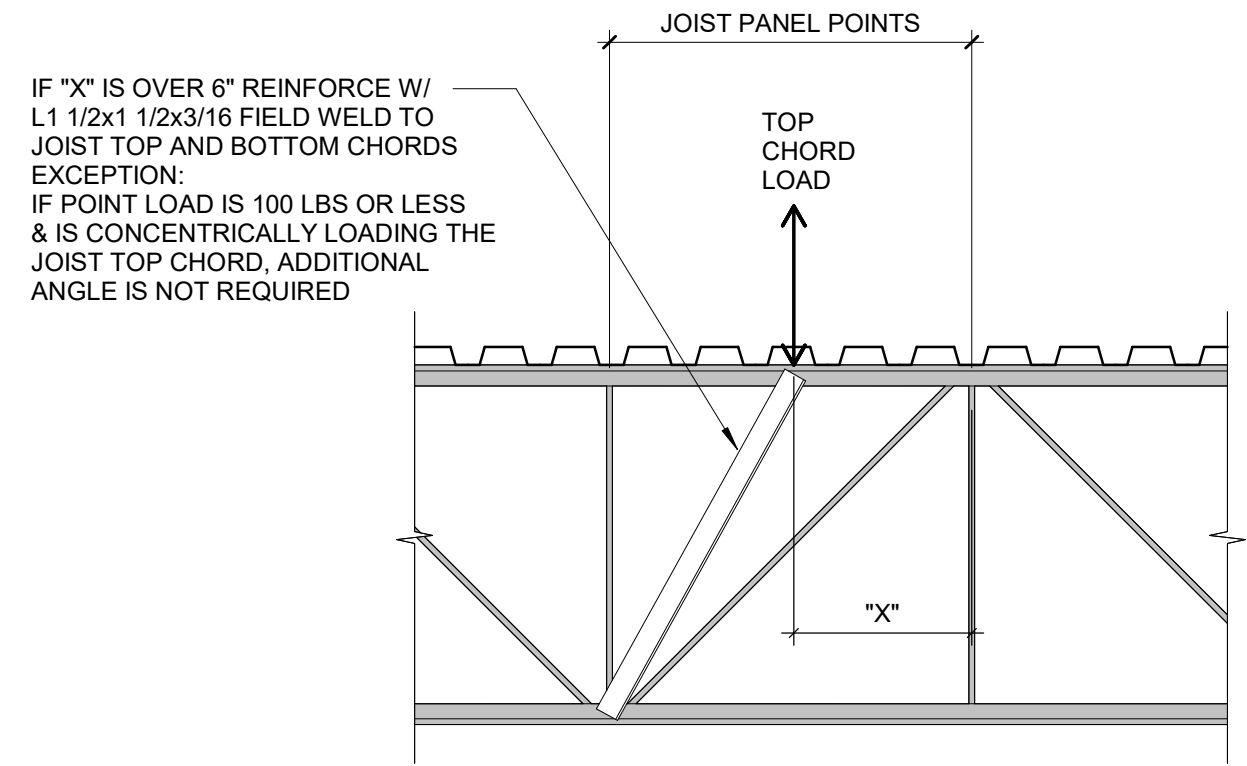
TYPICAL HANGING PIPE SUPPORT
2 S200 3/4" = 1'-0"



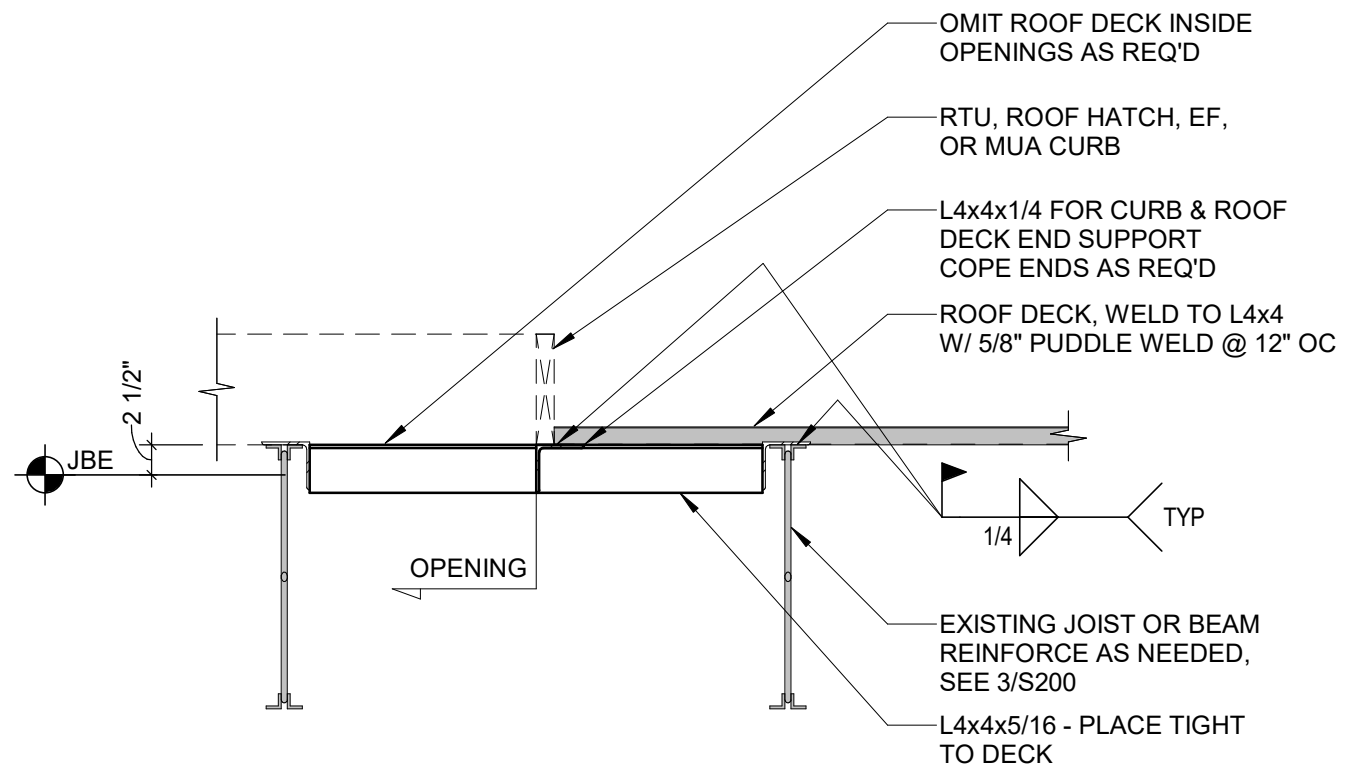
TYPICAL ROOF FRAME DETAIL
4 S200 3/4" = 1'-0"



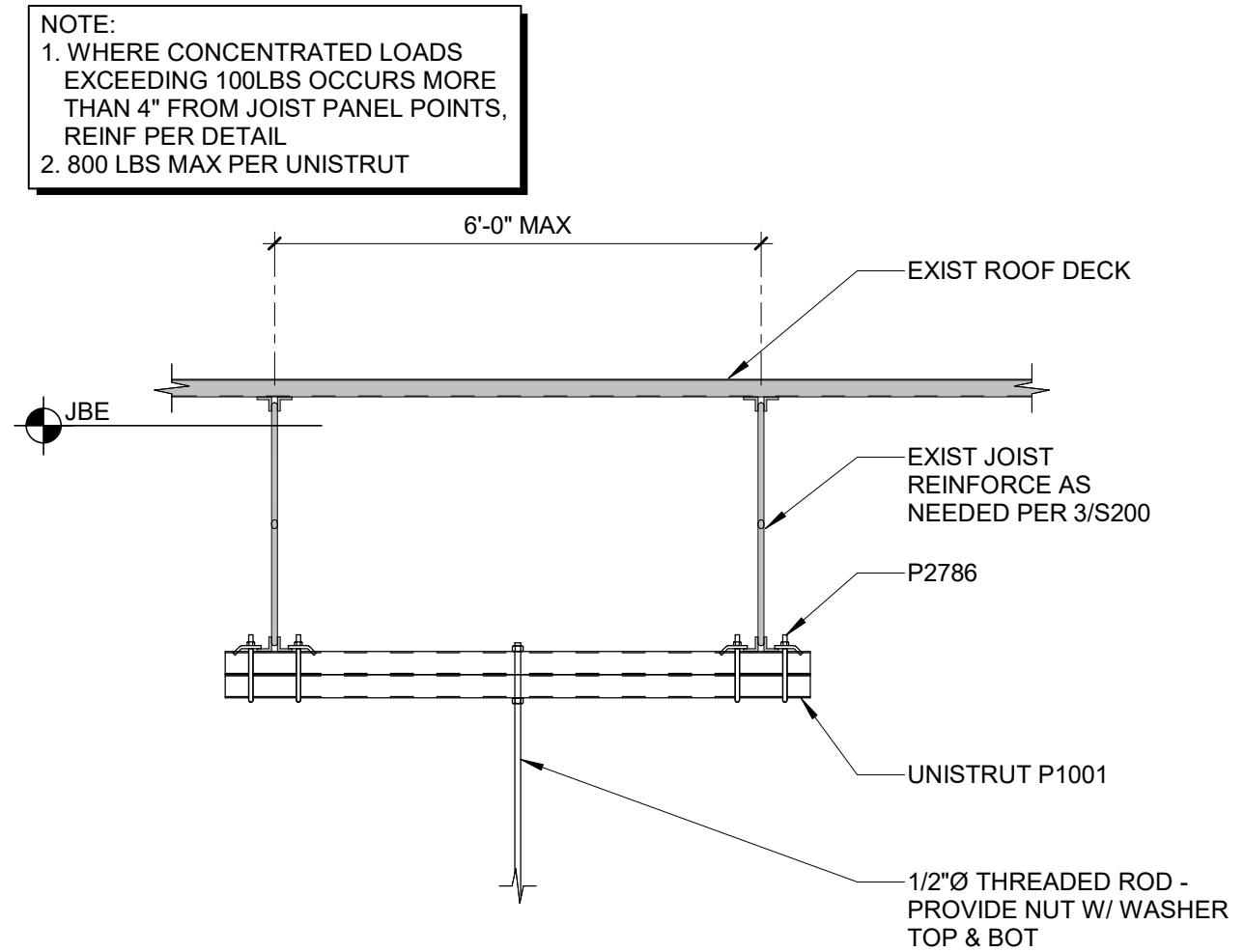
CU SUPPORT DETAIL
6 S200 1" = 1'-0"



JOIST REINFORCING DETAIL
3 S200 3/4" = 1'-0"

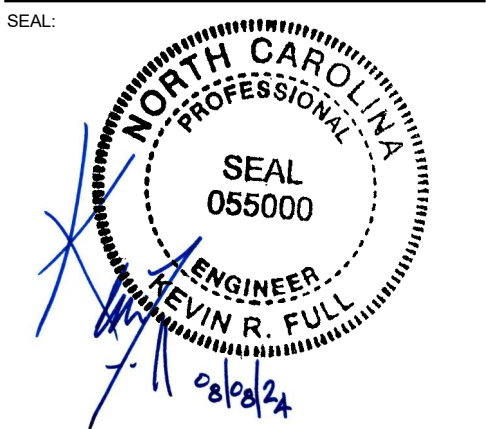


ROOF FRAME DETAIL
5 S200 3/4" = 1'-0"



EQUIPMENT SUPPORT DETAIL
7 S200 3/4" = 1'-0"

STORE NO.: #5479
"HOPE VALLEY"
7021 NC - 751 HIGHWAY #903
DURHAM, NORTH CAROLINA, 27707



PROJECT NO. 240268
DRAWN BY TJM
CHECKED BY TJM/EAS

ISSUE RECORD:
05.28.2024 PERMIT SET
07.08.2024 BID SET
08.06.2024 CONSTRUCTION SET

REVISIONS:
4 08.06.2024 CONSTRUCTION SET

TITLE:
EQUIP SUPPORT PLAN AND DETAILS

SHEET NUMBER:
S200

GENERAL NOTES APPLY TO HVAC SHEETS.

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

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

COORDINATE WORK WITH THE WORK OF OTHER TRADES, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND OF THE EXISTING CONDITIONS AT THE PROJECT SITE.

DRAWINGS FOR THE MECHANICAL WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWING SHALL NOT BE SCALED FOR EXACT MEASUREMENTS, REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, CONNECTIONS, OFFSETS, ACCESSORIES, AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.

DUCT DIMENSIONS ON PLANS INDICATE DIMENSIONS OF INTERNAL FREE AREA.

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

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

UNLESS NOTED OTHERWISE RECTANGULAR DUCT ELBOWS GREATER THAN 45° SHALL BE MITERED ELBOWS WITH DOUBLE-THICKNESS TURNING VANES AND RECTANGULAR DUCT ELBOWS 45° OR LESS SHALL BE RADIUSSED ELBOWS WITH AN INSIDE RADIUS OF AT LEAST 1/2 THE WIDTH OF THE DUCT.

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

THE TERM "FURNISH" MEANS SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS. THE TERM "INSTALL" DESCRIBES THE OPERATIONS AT THE PROJECT SITE INCLUDING THE ACTUAL UNLOADING, UNPACKING, ASSEMBLY, ERECTING, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS. THE TERM "PROVIDE" MEANS TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.

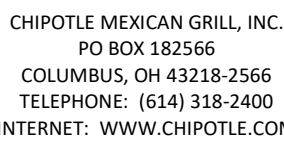
INSTALL LABELING CALLED FOR IN THE MECHANICAL DRAWINGS USING ENGRAVED PHENOLIC PLATES (WHITE WITH BLACK LETTERING).

EXPPOSE 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.

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HOPE VALLEY
7021 NC-751 HIGHWAY #903
DURHAM, NC 27707

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05/28/2024	PERMIT SET
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08/06/2024	CONSTRUCTION SET
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Revisions:

Drawn:	Checked:
JEI	MPC

Project No.
2401086

Contents:

M010

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

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

PART 2 - PRODUCTS

2.1 PACKAGED UNITS, 5 TO 20 TONS

- A. Factory assembled and tested, consisting of compressors, condensers, evaporator coils, condenser and evaporator Fans, refrigeration and temperature controls, filters, and dampers.
 - 1. Refer to Rooftop Heating/Cooling Unit Schedule on drawing M600 for capacities, and manufacturers.
 - 2. Evaporator Fans: Belt or direct drive, 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 18ga / 7 conductor, rated for plenum applications.
 - 13. Control Wiring from T-stat to remote sensor: Shall be a separate 18ga / 2 conductor shielded, rated for plenum applications.

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

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

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

PART 2 - PRODUCTS

2.1 DUCTS

- A. Spiral Duct: Spiral Lock Seam, without insulation, G90 galvanized finish, ASTM A-653/G924
 - 1. Basis of Design Manufacturers: Lindab SPIROsafe, alternates to the basis of design must be submitted for review.
 - 2. Fittings: Factory produced standing seam construction with internal sealing. Fittings with a major axis of 36" or smaller shall be 20 gauge. Fittings with a major axis of 37"-48" shall be 18 gauge.
- B. Galvanized Steel Sheet: Forming steel, ASTM A 653/G653M, G90 coating designation.
- C. Duct Liner: ASTM C 1071, Type II, with an airstream surface coated with a temperature resistant coating. Thickness: 1-1/2 inch. Residue : 0.
- D. Adhesive: ASTM C 916, Type I
- E. Mechanical Fasteners: Galvanized steel pin, length as required to penetrate liner plus a 1/8 inch projection maximum into the airstream.
- D. Joint and Seam Tape: Comply with UL 181A.
- E. Joint and Seam Sealant: Comply with UL 181A.
- F. Rectangular Metal Duct Fabrication: Comply with SMACNA's "HVAC Duct Construction Standard" for metal thickness, reinforcing types and intervals, tie rod applications, and joint types and intervals.

- 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.
- 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.

A. The Tenant will supply an independent balance agent to balance and adjust the HVAC installation. The balance agent will be responsible for any pulley or belt changes required.

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

C. The balance agent is to balance airflow within distribution systems, including submains, branches, and terminals to design quantities $\pm 10\%$. The hood exhaust system shall be balanced to a tolerance of $-0-10\%$ and the make-up air system to a tolerance of $-10-0\%$.

D. The balance agent is to supply a copy of the balance report to the Tenant, engineer and general contractor for review.

END OF SECTION 15810

END OF SECTION 15810

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

A. Submittals: None.

PART 2 - PRODUCTS

2.1 OUTLETS AND INLETS

A. All air terminal devices:

1. Register 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.

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

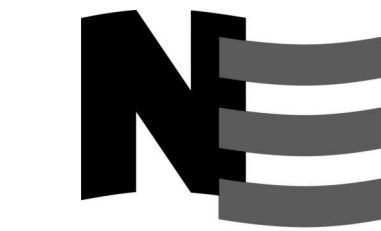
END OF SECTION 15855

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

AFG	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
CD	CEILING DIFFUSER
CU	CONDENSING UNIT
(E)	EXISTING
EF	EXHAUST FAN
ER	EXHAUST REGISTER
EXT'G	EXISTING
HD	HOOD
MUA	MAKEUP AIR UNIT
OBD	BLADE DAMPER
RG	RETURN GRILLE
RTU	ROOFTOP UNIT
SR	SUPPLY REGISTER
VSC	VARIABLE SPEED CONTROL
CO2AS	TENANT'S CO2 ALARM SUPPLIER
GC	GENERAL CONTRACTOR
HES	TENANT'S HVAC EQUIPMENT SUPPLIER
HS	TENANT'S HOOD SUPPLIER
TKS	TENANT'S KITCHEN EQUIPMENT SUPPLIER
TAB	TENANT'S TEST AND BALANCE VENDOR
TC	TENANT'S CABLING CONTRACTOR
TD	TENANT'S DUCT CLEANER
TEMS	TENANT'S ENERGY MANAGEMENT SYSTEM SUPPLIER
TLB	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
TUV	TENANT'S SIGN VENDOR
TSV	TENANT'S UV SANITIZER SUPPLIER
WCN	TENANT'S WALK-IN COOLER SUPPLIER
WHS	TENANT'S WATER HEATER SUPPLIER

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

Consultant:



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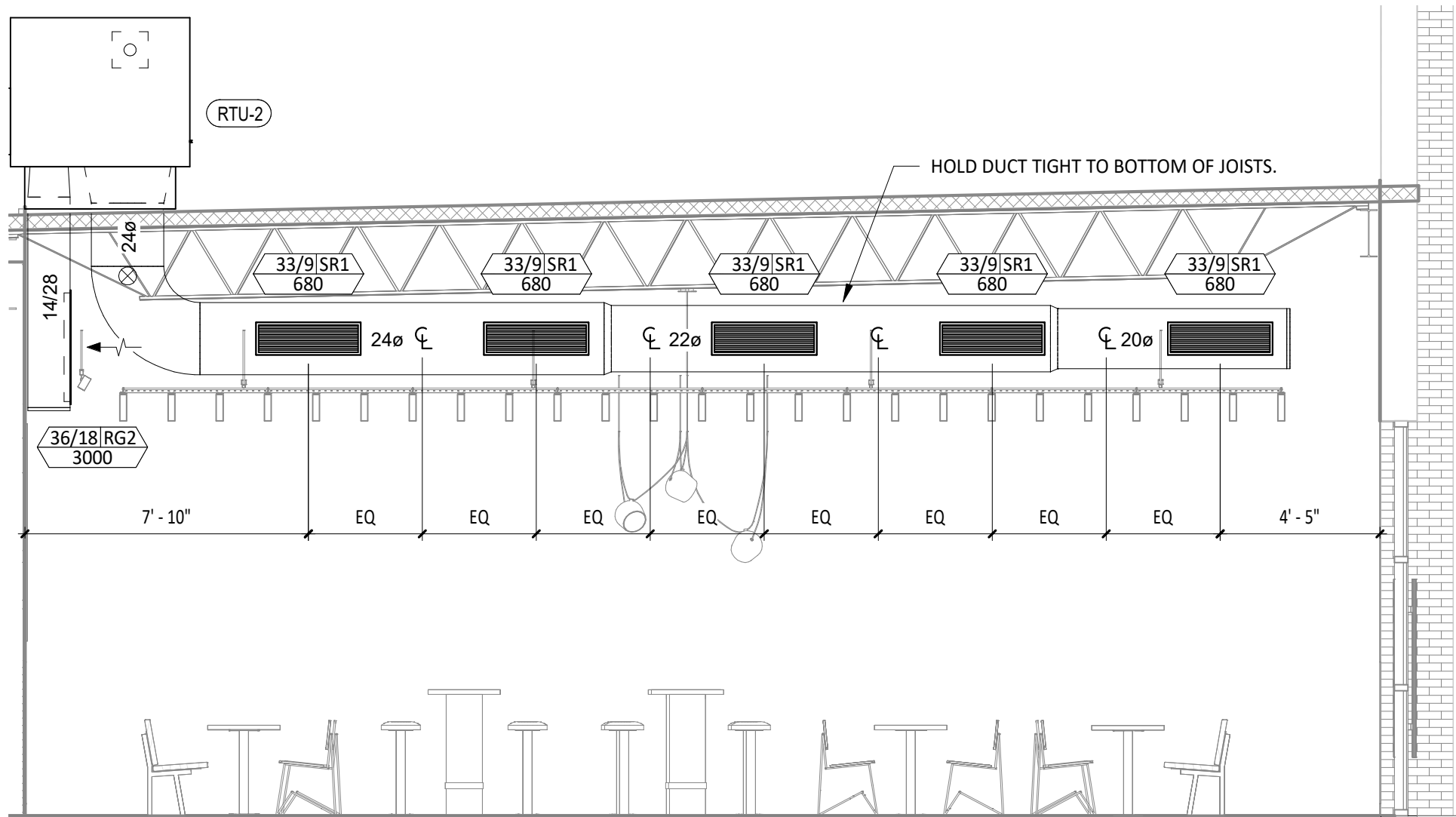
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HVAC PLAN

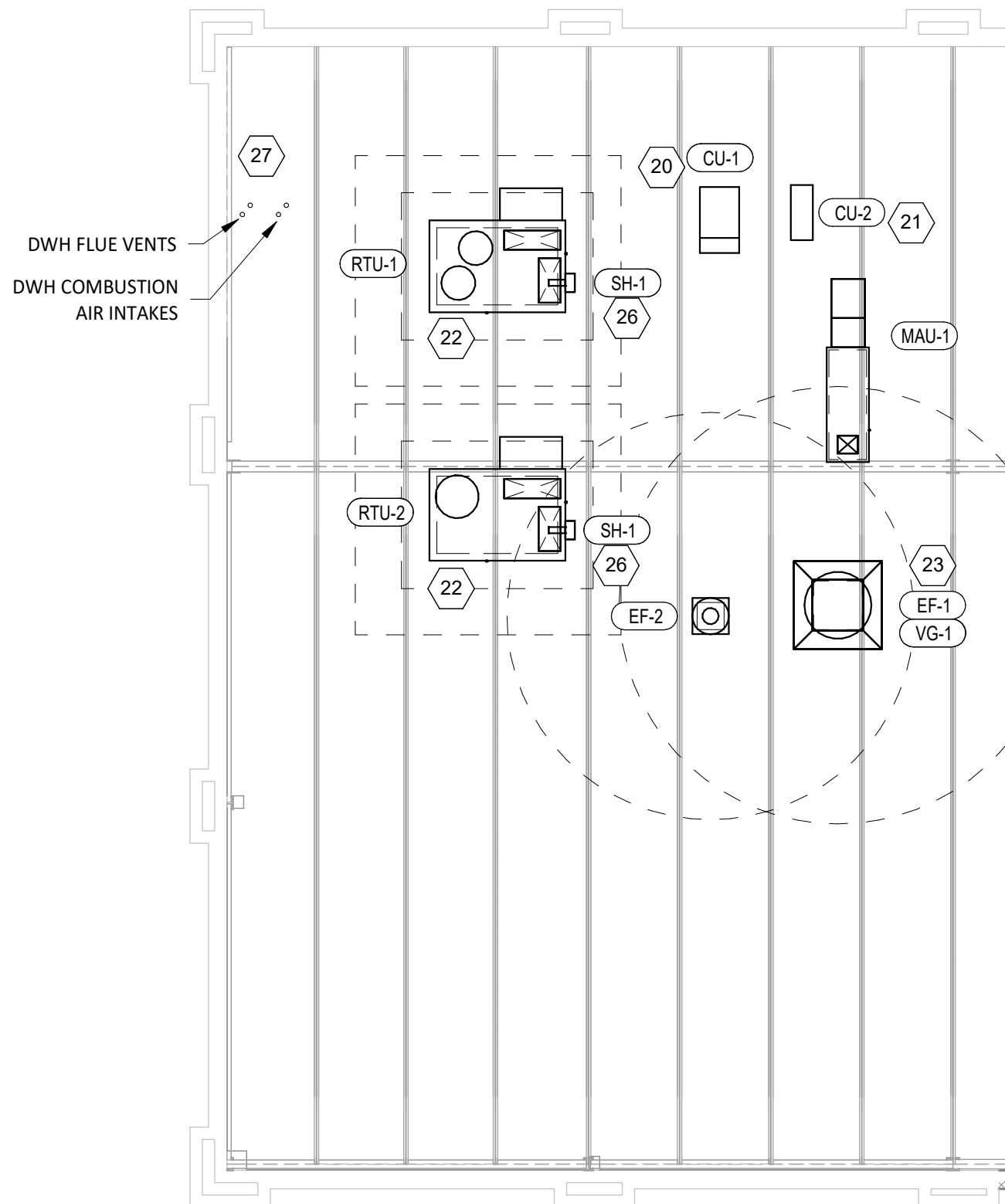
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HVAC PLAN NOTES

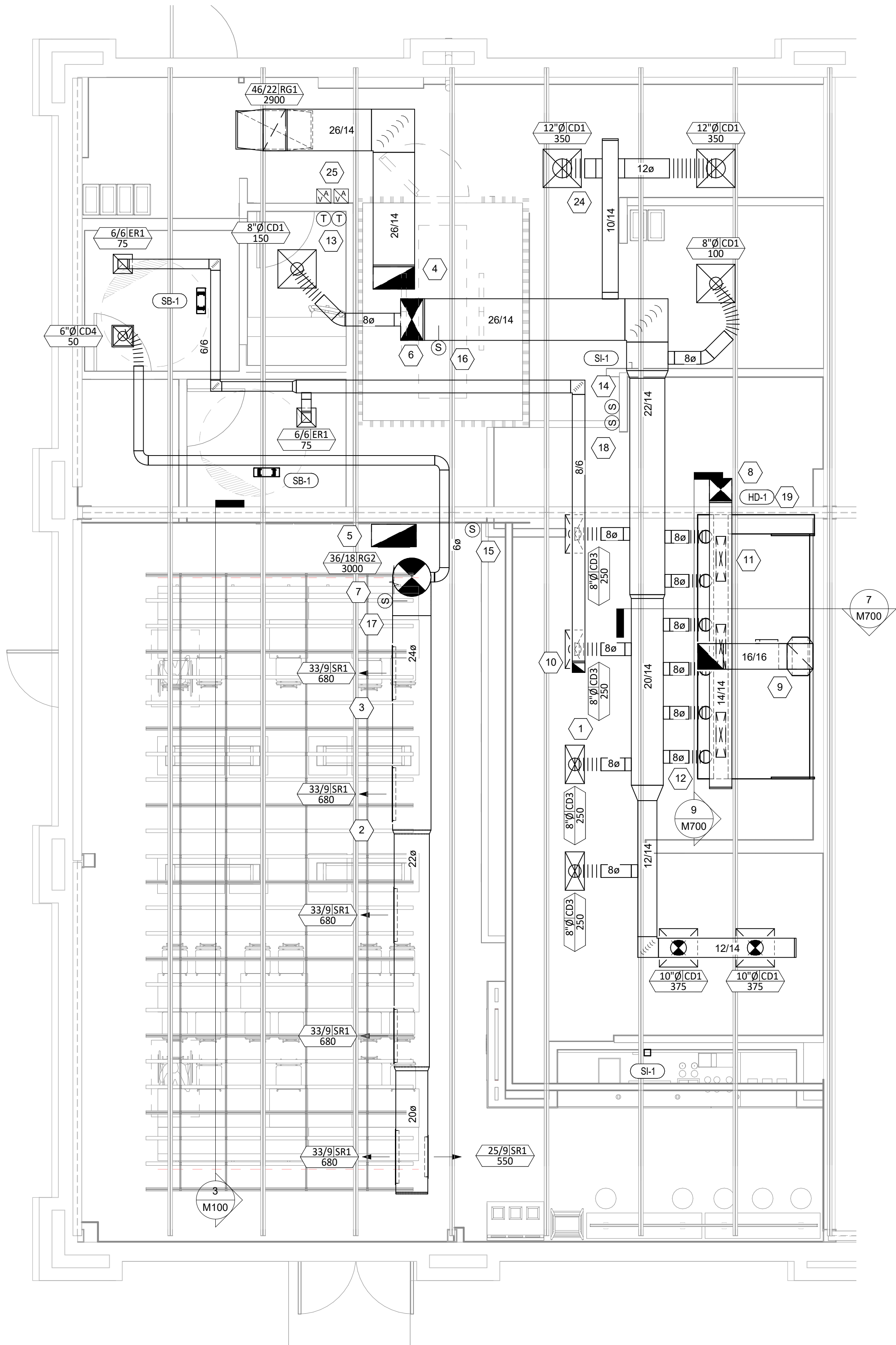
- SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING MOUNTED EQUIPMENT LOCATION. TYPICAL.
- PAINT DUCTWORK VISIBLE THROUGH DINING ROOM SUPPLY REGISTERS AND RETURN GRILL BLACK. TYPICAL.
- ADJUST SUPPLY REGISTERS SO THAT SUPPLY AIR HITS WALL ON OPPOSITE SIDE OF ROOM AT APPROXIMATELY 7' AFF WITH NO DRAFTS FELT IN THE DINING ROOM.
- 26/14 DUCT UP FOR TRANSITION TO RTU-1 RETURN CONNECTION IN ROOF CURB. RTU-1 SHALL HAVE AN INTEGRAL SMOKE DETECTOR MOUNTED IN THE RETURN AIR STREAM. INTERLOCK SMOKE DETECTOR TO RTU-1 OPERATION.
- 28/14 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.
- 26/14 DUCT UP FROM BUILDING SUPPLY THROUGH ROOF. TRANSITION TO RTU-1 SUPPLY CONNECTION IN ROOF CURB.
- 24# DUCT UP FROM BUILDING SUPPLY TO RTU-2 SUPPLY CONNECTION. TRANSITION IN ROOF CURB.
- 14/14 DUCT UP THROUGH ROOF. TRANSITION TO MAU-1 SUPPLY CONNECTION IN ROOF CURB.
- 16/16 DUCT UP FROM HOOD THROUGH ROOF TO EF-1 COMPLIANT WITH NFPA 96. PROVIDE RADIUSIED ELBOWS WITH AN INSIDE RADIUS OF 0.5W AT ELBOWS IN GREASE DUCT.
- 8/6 DUCT UP THROUGH ROOF TO EF-2.
- 28/6 DUCT DOWN TO MAKEUP AIR PSP DUCT CONNECTION. TRANSITION TO SUPPLY PLENUM OPENING SIZE. TYPICAL FOR 3.
- 8" DIA. DUCT DOWN TO AC PSP DUCT CONNECTION. TRANSITION TO SUPPLY PLENUM OPENING SIZE. TYPICAL. CAP UNUSED DUCT CONNECTIONS.
- INSTALL SINGLE GANG VERTICAL J-BOX GRIDPOINT THERMOSTATS FURNISHED BY TEMS FOR RTU-1 AND RTU-2 AT THIS LOCATION AT 48" AFF. COORDINATE WITH ELECTRICAL SWITCHING IN THIS AREA. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- INSTALL GRIDPOINT ZONE SENSOR MODULE FURNISHED BY TEMS FOR RTU-1 AT THIS LOCATION 72" AFF DIRECTLY TO WALL (NO JUNCTION BOX). COORDINATE LOCATION WITH EQUIPMENT. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- INSTALL GRIDPOINT ZONE SENSOR MODULE FURNISHED BY TEMS FOR RTU-2 AT THIS LOCATION 72" AFF DIRECTLY TO WALL (NO JUNCTION BOX). COORDINATE LOCATION WITH EQUIPMENT. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- INSTALL GRIDPOINT SUPPLY PROBE FURNISHED BY TEMS FOR RTU-1 IN THE SUPPLY DUCTWORK UPSTREAM FROM THE FIRST BRANCH CONNECTION. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- INSTALL GRIDPOINT SUPPLY PROBE FURNISHED BY TEMS FOR RTU-2 IN THE SUPPLY DUCTWORK UPSTREAM FROM THE FIRST BRANCH CONNECTION. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- INSTALL REMOTE TEMPERATURE SENSOR FOR HOOD HD-1 AT THIS LOCATION 72" AFF. COORDINATE LOCATION WITH EQUIPMENT. PROVIDE (2) #18 G. THERMISTOR CABLE FROM TEMPERATURE SENSOR TO HOOD CONTROL PANEL.
- INSTALL KITCHEN HOOD, HD-1. SUPPORT HOOD PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL HOOD ACCORDING TO THE REQUIREMENTS OF ITS LISTING, IN COMPLIANCE WITH NFPA 96, THE BUILDING CODE, AND AUTHORITIES HAVING JURISDICTION. HOOD SHALL HAVE AN INTEGRAL DUCT COLLAR TEMPERATURE SENSOR TO AUTOMATICALLY ENERGIZE THE EXHAUST AND MAKEUP AIR FANS IF COOKING TEMPERATURES ARE DETECTED. EXHAUST DUCT SYSTEM TO BE WELDED OR FACTORY-MANUFACTURED WATER AND AIR TIGHT. INSTALL CLEANOUTS PER CODE AND AS SHOWN. INSTALL HOOD PER DETAILS 2, 4, AND 9/M700. CHIPOTLE WILL PROVIDE AN INDEPENDENT TESTING AGENCY FOR TESTING THE INTEGRITY OF THE GREASE DUCT SYSTEM.
- INSTALL REMOTE CONDENSING UNIT FOR WALK-IN COOLER ON ROOF AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL REFRIGERANT LINE SET, THERMOSTATIC EXPANSION VALVE, SOLENOID VALVE, TEMPERATURE CONTROL, SIGHT GLASS, FILTER DRIER, PRESSURE CONTROL, LOW AMBIENT CONTROLS, AND WEATHERPROOF HOUSING. TRAP AND SLOPE REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS. INSTALLATION SHALL COMPLY WITH ASHRAE/ANSI STANDARD 15. INSTALL THE REFRIGERANT LINE SET UNDER THE ROOF DECK TO WITHIN 3' OF THE CONDENSING UNIT. CUT 2-1/2" HOLE IN WALK-IN COOLER ROOF FOR REFRIGERANT LINE SET AND SEAL PER THE COOLER MANUFACTURER'S INSTALLATION INSTRUCTIONS AFTER LINE SET IS INSTALLED.
- INSTALL REMOTE CONDENSER FOR ICE MACHINE ON ROOF AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL REFRIGERANT LINE SET, THERMOSTATIC EXPANSION VALVE, SOLENOID VALVE, TEMPERATURE CONTROL, SIGHT GLASS, FILTER DRIER, PRESSURE CONTROL, LOW AMBIENT CONTROLS, AND WEATHERPROOF HOUSING. TRAP AND SLOPE REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS. SEAL PIPING PENETRATIONS THROUGH ROOF. INSTALLATION SHALL COMPLY WITH ASHRAE/ANSI STANDARD 15. INSTALL THE REFRIGERANT LINE SET UNDER THE ROOF DECK TO WITHIN 3' OF THE REMOTE CONDENSER. IF REFRIGERANT PIPING TO ICE MAKER IS EXPOSED TO PUBLIC VIEW CONCEAL WITHIN A STAINLESS STEEL SHROUD AS SHOWN IN THE ARCHITECTURAL DRAWINGS.
- INSTALL ROOFTOP EQUIPMENT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- INSTALL EXHAUST FAN EF-1 PER DETAIL 5/M700 AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL GREASE VIROGUARD SYSTEM FURNISHED BY CHIPOTLE ON EXHAUST FAN, EF-1.
- PROVIDE SUPPLY DIFFUSER CONNECTION TO SUPPLY SYSTEM PER DETAIL 1/M700. TYPICAL.
- PROVIDE AUDIO/VISUAL REMOTE SMOKE DETECTOR ANNUNCIATOR WITH REMOTE KEY OPERATED RESET. WIRE A UNIT BACK TO EACH SMOKE DETECTOR. MOUNT UNIT 60" AFF. TYPICAL.
- INSTALL REME HALO AIR PURIFIER FURNISHED BY TUV IN RTU PER DETAIL 6/M700. SEE ELECTRICAL DRAWINGS FOR POWER CONNECTION INFORMATION. INSTALL UV WARNING STICKERS ON FACE OF ENCLOSURE PER DETAIL AND ON ANY RTU ACCESS DOOR(S) THROUGH WHICH THE REME HALO WOULD BE VISIBLE IF OPENED.
- MAINTAIN 10' CLEARANCE BETWEEN WATER HEATER FLUE TERMINATION AND OUTSIDE AIR INTAKES. MAINTAIN 10' CLEARANCE BETWEEN WATER HEATER COMBUSTION AIR INTAKE AND EXHAUST FAN EF-1 DISCHARGE. SEE PLUMBING DRAWINGS FOR MORE INFORMATION ON WATER HEATER FLUE AND COMBUSTION AIR TERMINATIONS.



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



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



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

HVAC GAS & CONDENSATE PLAN NOTES

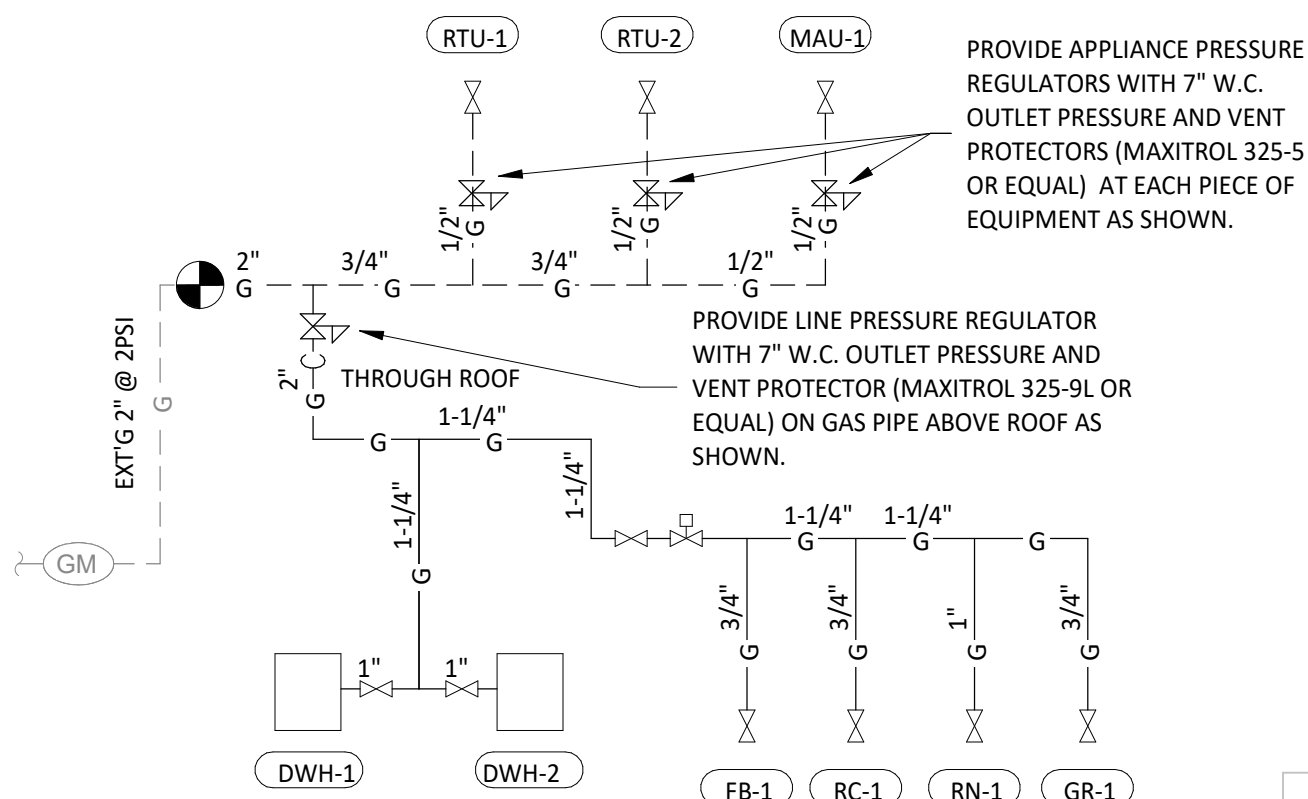
1. CONNECT TO THE EXISTING GAS PIPE ON THE ROOF.
2. PROVIDE WATER HEATERS DWH-1 & DWH-2 PER DETAIL 1/P700.
3. PROVIDE GAS CONNECTIONS TO THE COOKING EQUIPMENT PER DETAIL 4/M110.
4. SUPPORT THE GAS PIPE ON THE ROOF PER DETAIL 5/M110. WOOD BLOCKING IS NOT AN ACCEPTABLE METHOD OF SUPPORTING THE GAS PIPE.
5. PROVIDE ACCESSIBLE LINE-SIZED GAS VALVE, DIRT LEG, AND UNION AT GAS CONNECTION TO THE EQUIPMENT.
6. REFER TO ARCHITECTURAL DRAWINGS FOR PAINTING OF INTERIOR AND EXTERIOR EXPOSED GAS PIPE.
7. PROVIDE KITCHEN EQUIPMENT GAS SHUTOFF 6" BELOW THE CEILING PER DETAIL 3/M110.
8. PROVIDE GAS CONNECTION TO THE RICE COOKER PER DETAIL 6/M110.
9. PROVIDE GAS ROUGH-IN TO FRYER BEHIND RICE COOKER TABLE SO THAT VALVES AND DIRT LEG ARE ACCESSIBLE ONCE FRYER IS SECURED INTO PLACE.
10. PROVIDE CONDENSATE TRAP ON RTU PER DETAIL 7/M110.
11. PROVIDE 3/4" CONDENSATE DRAIN FROM THE WALK-IN COOLER EVAPORATOR TO THE FLOOR DRAIN AS SHOWN. SLOPE CONDENSATE DRAIN A MINIMUM OF 1" PER FOOT. HOLD EXPOSED CONDENSATE DRAIN IN WALK-IN COOLER AS HIGH AS POSSIBLE. CONCEAL DRAIN PIPING WITHIN FRAMED WALLS AS SHOWN. DISCHARGE THROUGH AN AIR GAP. MAKE FINAL CONNECTION TO EVAPORATOR INSIDE WALK-IN COOLER USING A UNION. CONDENSATE DRAIN SHOULD PENETRATE WALL AT 8" AFF AND BE SECURED TO FLOOR.

CONNECTED GAS LOAD

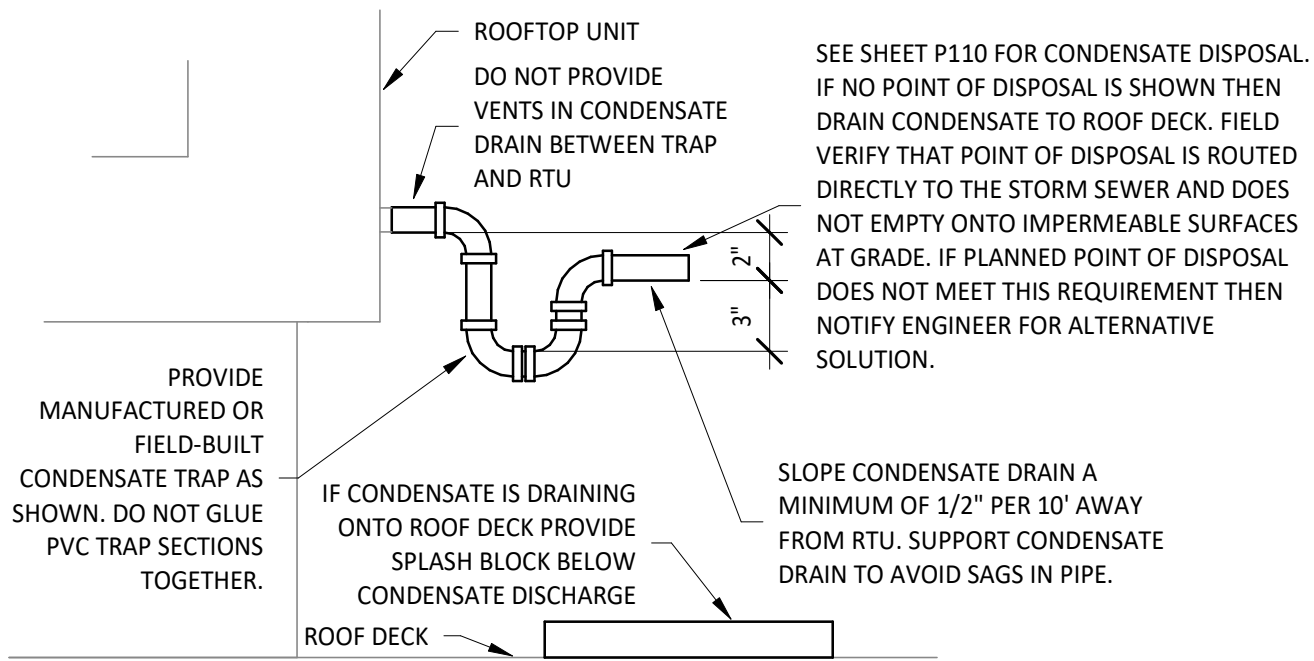
FIXTURE	TAG	MBH	EQUIVALENT LENGTH FROM REGULATOR [FT]
WATER HEATER	DWH-1	199	70
WATER HEATER	DWH-2	199	70
GAS FRYER	FB-1	90	45
GRIDDLE	GR-1	107	55
MAKEUP AIR UNIT	MAU-1	225	45
RICE COOKER	RC-1	33	45
RANGE	RN-1	192	45
KITCHEN ROOFTOP UNIT	RTU-1	224	55
DINING ROOM ROOFTOP UNIT	RTU-2	250	70
Grand total		1519	MAX: 70

NOTES:

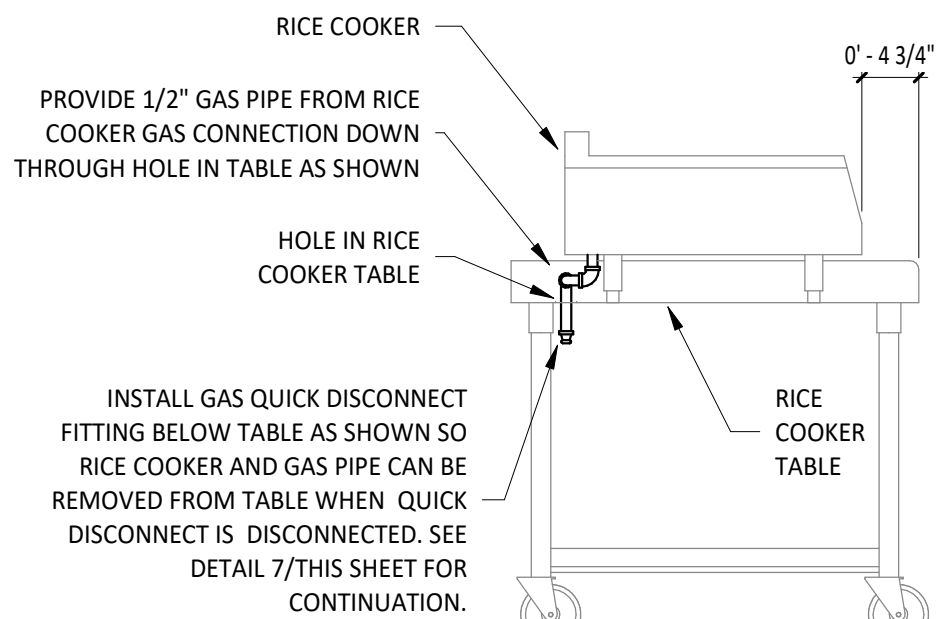
1. PRESSURE REQUIRED AFTER REGULATORS: 7" W.C.
2. DISTANCES ARE APPROXIMATE
3. MAIN GAS PRESSURE IS 2 PSI.
4. MAXIMUM EQUIVALENT LENGTH OF 2 PSI PIPING FROM METER: 125'



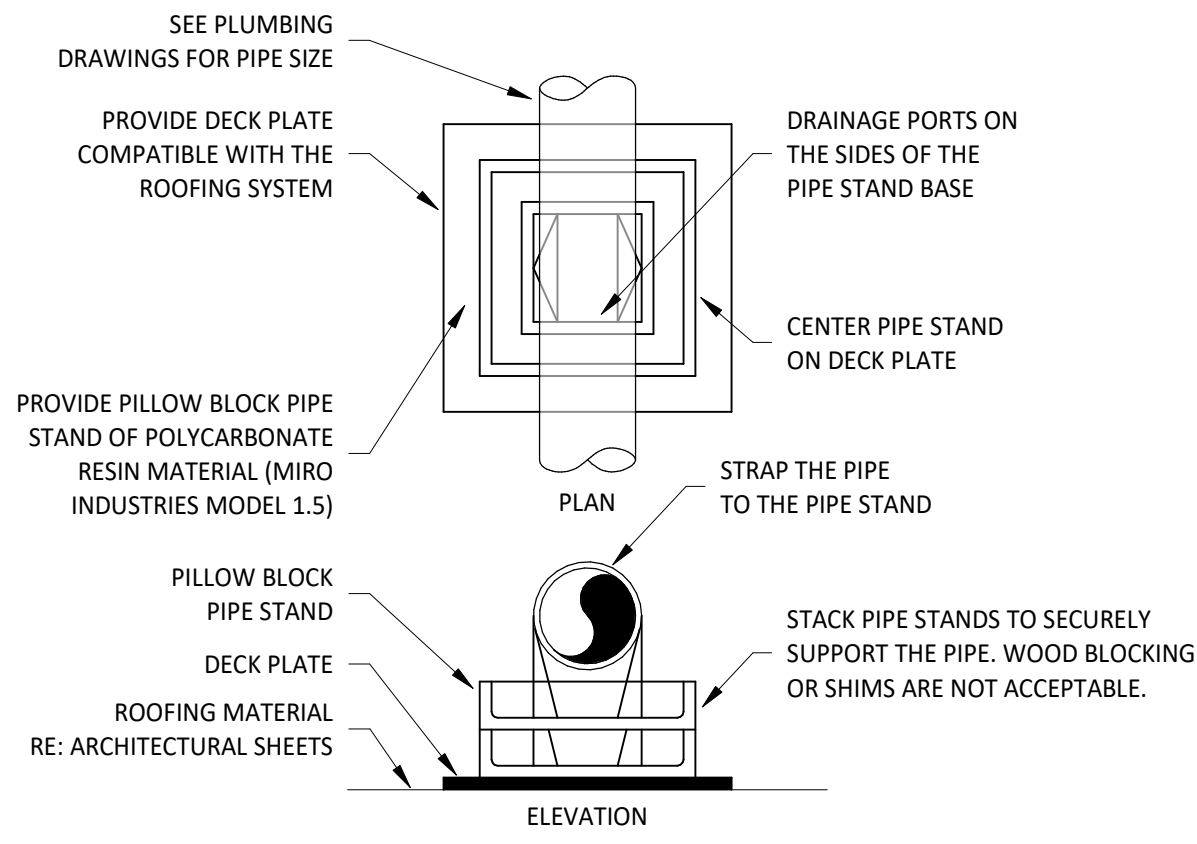
GAS DISTRIBUTION DIAGRAM

8
M110
N.T.S.

RTU CONDENSATE TRAP DETAIL

7
M110
N.T.S.

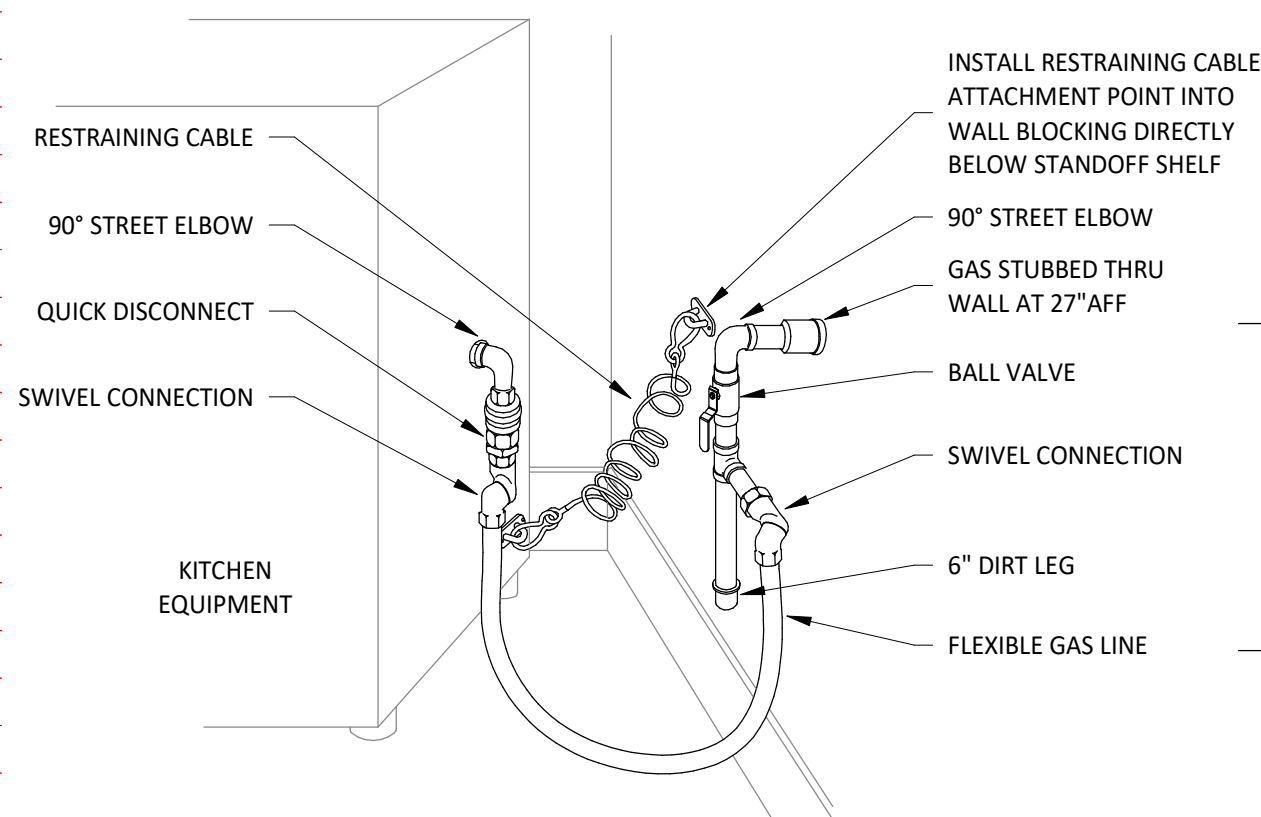
RICE COOKER GAS CONNECTION DETAIL

6
M110
N.T.S.

ROOFTOP PIPING SUPPORT

5
M110
N.T.S.

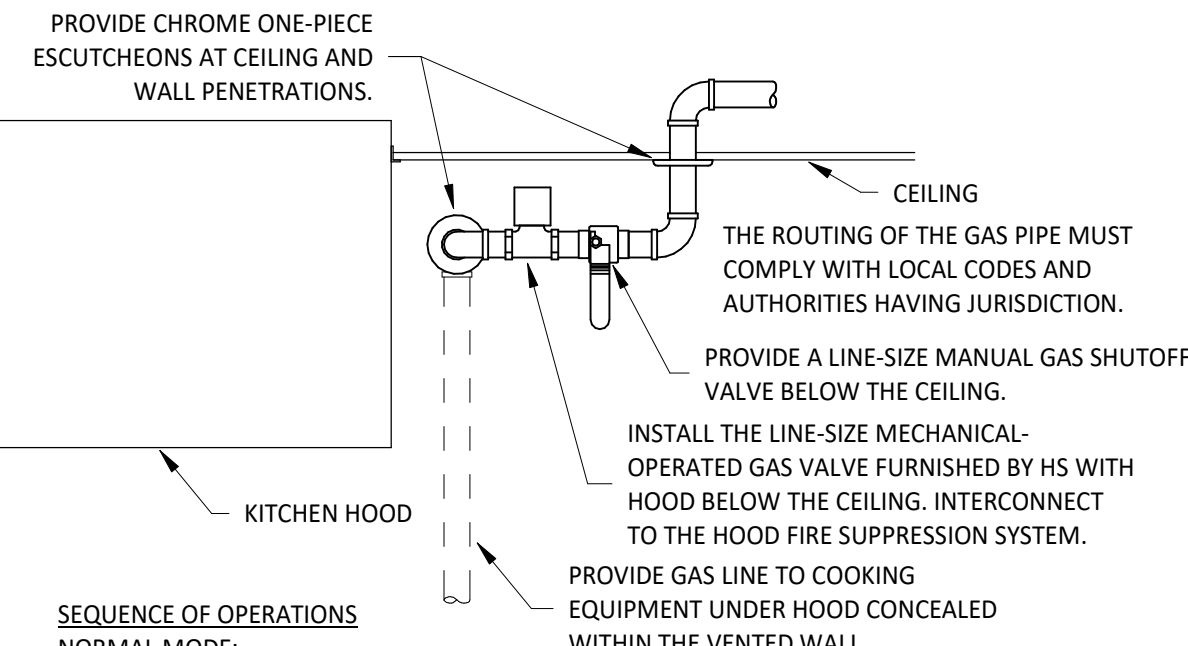
PROVIDE PIPE STANDS AS SHOWN FOR STEEL PIPE FROM 1/2" TO 1-1/2" DIAMETER. SUPPORT SPACING FOR PIPE SIZE: 1/2"=6'; 3/4"-1"=8'; 1 1/4" AND LARGER=10'. PROVIDE DECK PLATES ON ROOFING AND SET PIPE STAND FREE ON DECK PLATES. STACK PIPE STAND WHERE REQUIRED TO ELEVATE PIPING. INSTALL GAS PIPE TO ALLOW FOR EXPANSION AND CONTRACTION.



KITCHEN GAS EQUIPMENT DETAIL

4
M110
N.T.S.

ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT ACTUAL CONDITIONS. MAKE FINAL CONNECTION TO EQUIPMENT AS RECOMMENDED BY MANUFACTURER. PROVIDE WELDED FITTINGS/JOINTS IN ANY CONCEALED, UNSLEEVED LOCATION.

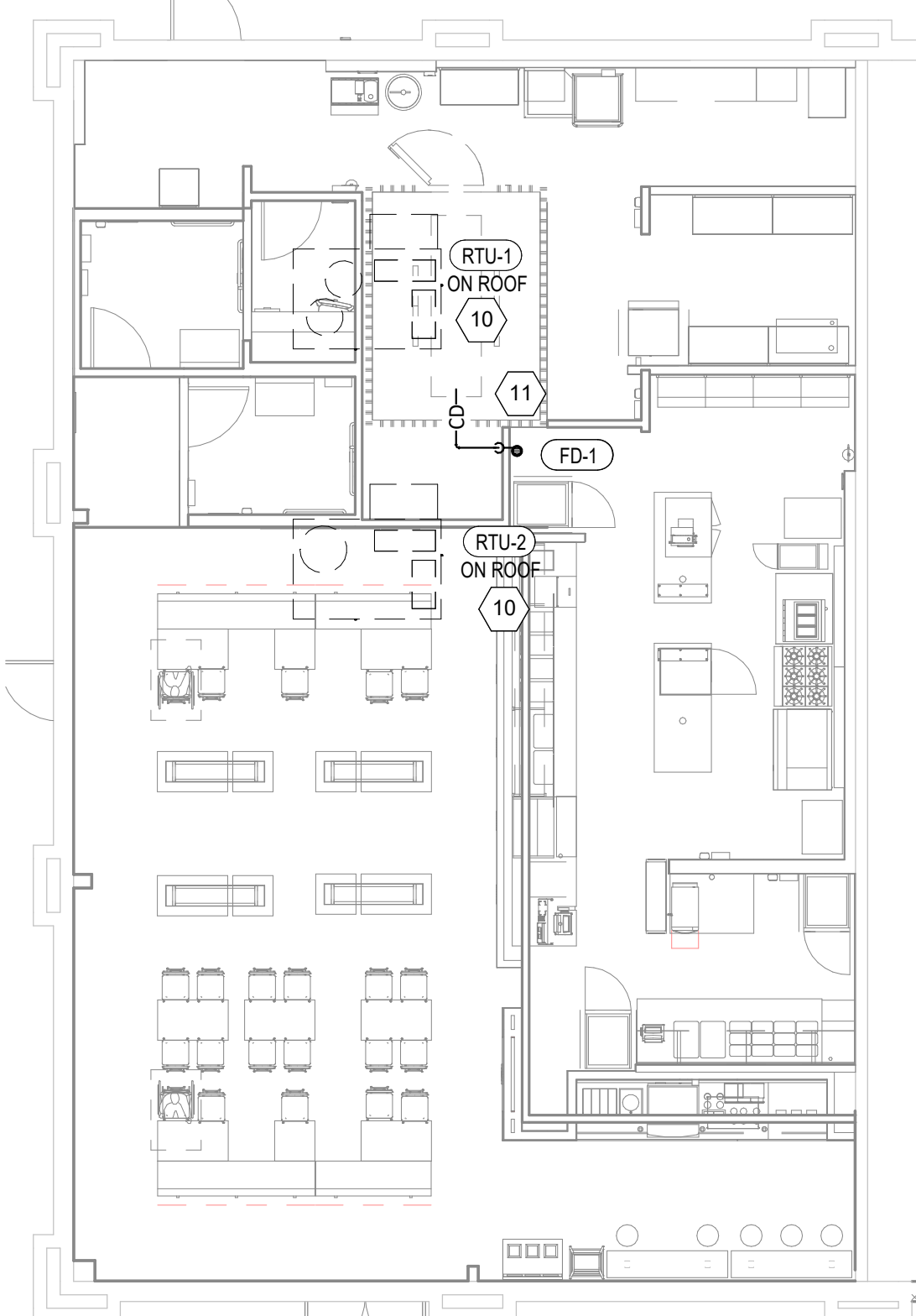


KITCHEN GAS SHUTOFF DETAIL

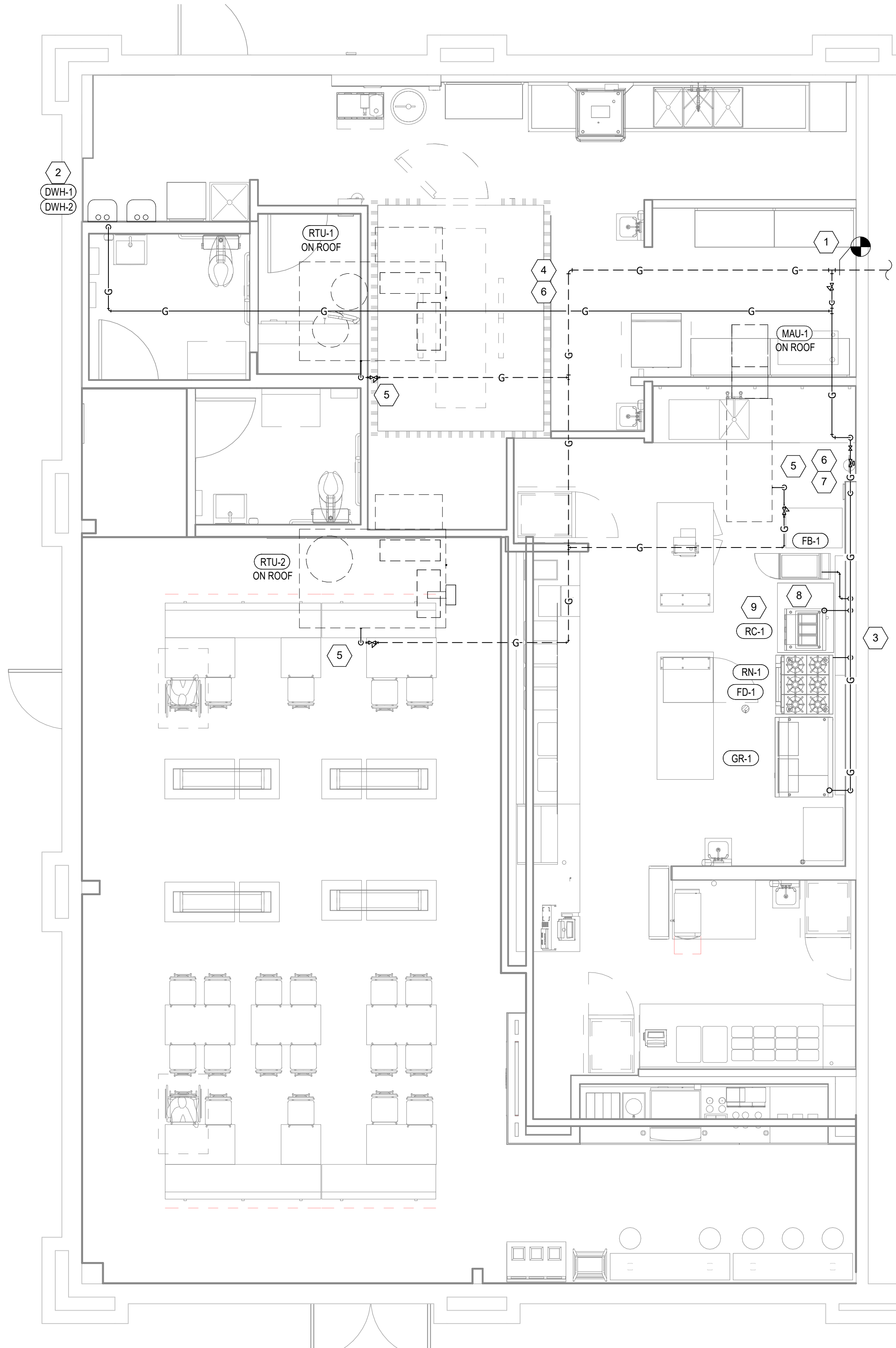
3
M110
N.T.S.

SEQUENCE OF OPERATIONS

- NORMAL MODE:
- DURING NORMAL OPERATION THE GAS SHUT-OFF VALVE SHALL BE OPEN.
- EMERGENCY MODE:
- UPON ACTUATION OF THE HOOD FIRE SUPPRESSION SYSTEM THE GAS SHUT-OFF VALVE SHALL CLOSE.



HVAC CONDENSATE PLAN

2
M110
1/8" = 1'-0"

HVAC NATURAL GAS PLAN

1
M110
1/4" = 1'-0"

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HOPE VALLEY

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DURHAM, NC 27707

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Project No:
2401086

Contents:

HVAC PLAN GAS &
CONDENSATE

M110

SANITIZING EQUIPMENT SCHEDULE

TAG	COUNT	DESCRIPTION	FURNISH ED BY	INSTALLE D BY	BASIS FOR DESIGN		REMARKS
					MANUFACTURER	MODEL	
SB-1	2	BATHROOM AIR PURIFICATION UNIT	TUV	GC	RGF ENVIRONMENTAL GROUP	BRU ASSEMBLY	SEE ELECTRICAL SHEETS FOR CONNECTING INFORMATION.
SH-1	2	HVAC AIR PURIFICATION UNIT	TUV	GC	RGF ENVIRONMENTAL GROUP	REME-HALO	SEE DETAIL 6/7/200 FOR INSTALLATION INFORMATION.
SI-1	2	ICE MACHINE TREATMENT SYSTEM	TUV	GC	RGF ENVIRONMENTAL GROUP	IMS-B-GA	SEE PLUMBING DRAWINGS FOR INSTALLATION INFORMATION.

VIROGUARD SCHEDULE

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

GRILLS, REGISTERS, AND DIFFUSERS SCHEDULE

TAG	DESCRIPTION	FACE SIZE	MATERIAL	FINISH	MOUNTING	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		NOTES
								MANUFACTURER	MODEL	
CD1	PERFORATED CEILING DIFFUSER	24" X 24"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4320A TYPE L	PROVIDE INTEGRAL OBD
CD3	PERFORATED CEILING DIFFUSER	24" X 12"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4320A TYPE L	PROVIDE INTEGRAL OBD, REMOVE 4-WAY DEFLECTOR
CD4	PERFORATED CEILING DIFFUSER	12" X 12"	ALUMINUM	WHITE	GYF CEILING	GC	GC	NAILOR	4320A TYPE S	PROVIDE INTEGRAL OBD
ER1	PERFORATED CEILING EXHAUST	12" X 12"	ALUMINUM	WHITE	GYF CEILING	GC	GC	NAILOR	4330R TYPE S	PROVIDE INTEGRAL OBD
RG1	PERFORATED CEILING RETURN	48" X 24"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4330R TYPE L	
RG2	0" FIXED BLADE RETURN GRILLE	SEE NECK SIZE	ALUMINUM	TO MATCH DUCTWORK	DUCT	GC	GC	NAILOR	51FH	
SR1	SPIRAL DUCT REGISTER	SEE NECK SIZE	STEEL	TO MATCH DUCTWORK	DUCT	GC	GC	LINX	RG5-3	PROVIDE INTEGRAL EXTRACTION DAMPER

FAN SCHEDULE

TAG	DRIVE TYPE	EXHAUST FLOW [CFM]	E.S.P. [in W.C.]	WEIGHT [lbs]	ELECTRICAL		FURNISHED BY	INSTALLED GC	BASIS FOR DESIGN		REMARKS
					MOTOR POWER	V/P/H			MANUFACTURER	MODEL	
EF-1	DIRECT	2550 CFM	1.20 in-wg	400	2	208/3/60	HS	GC	CAPTIVE-AIRE	DJ180HFA	FURNISHED WITH DISCONNECT AND VENTED ROOF CURB
EF-2	DIRECT	150 CFM	0.60 in-wg	100	0.18 HP	120/1/60	HS	GC	CAPTIVE-AIRE	DR12HFA	FURNISHED WITH DISCONNECT, VARIABLE SPEED CONTROLLER, BACKDRAFT DAMPER AND ROOF CURB

MAKEUP AIR UNIT SCHEDULE

TAG	DESCRIPTION	AIRFLOW		HEATING CAPACITY				APPROXIMATE	ELECTRICAL		FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
		SUPPLY FLOW [CFM]	E.S.P. [in. W.C.]	INPUT [MBH]	OUTPUT [MBH]	MAXIMUM TURNDOWN	EAT	WEIGHT [lbs]	MOTOR POWER	V/P/H			MANUFACTURER	MODEL	
MAU-1	MAKEUP AIR UNIT	1300	0.80	225	220	12.5:1	24 °F	650	1 HP	208/3/60	HS	GC	CAPTIVE-AIRE	A1-D.250-15D	FURNISHED WITH DISCONNECT, ROOF CURB, SCREEN INTAKE, AND WASHABLE ALUMINUM FILTERS

CONDENSING UNIT SCHEDULE

TAG	DESCRIPTION	NOMINAL CAPACITY [TONS]	NUMBER OF COMPRESSORS	NUMBER OF CIRCUITS	REFRIGERANT TYPE	REFRIGERANT CHARGE	WEIGHT	ELECTRICAL			FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
								MOCp	FLA	V/P/H			MANUFACTURER	MODEL	
CU-1	WALK-IN COOLER REMOTE CONDENSING UNIT	--	1	1	R-404A		200	15 A	6.5 A	208/3/60	WCS	GC	HARFORD	PLC99MOP-3	FURNISHED WITH WALK-IN COOLER
CU-2	ICE MAKER - REMOTE CONDENSER	--	0	1	R-404A	11 lbs 7.4 oz	100			120/1/60	KES	GC	-	-	FURNISHED WITH ICE MAKER

KITCHEN HOOD SCHEDULE

TAG	DESCRIPTION	MAX COOKING TEMP.	EXHAUST PLENUM							PERFORATED SUPPLY PLENUMS										NUMBER OF LIGHT FIXTURES	APPROXIMATE WEIGHT [lbs]	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
			AIRFLOW [CFM]	SP [in. W.C.]	DUCT COLLARS			LENGTH	WIDTH	SP [in. W.C.]	SUPPLY PLENUM LENGTH	SUPPLY PLENUM WIDTH	MAU PLENUM			AC PLENUM								MANUFACTURER	MODEL	
					NO.	WIDTH	LENGTH						AIRFLOW [CFM]	DUCT COLLARS		AIRFLOW [CFM]	NO.	DIAMETER								
														NO.	WIDTH				LENGTH							
HD-1	TYPE I CANOPY HOOD WITH PERFORATED MAU AND AC SUPPLY PLENUMS	600°F	2550	0.97	1	10"	24"	12' - 9"	4' - 3"	0.1	13' - 9"	19"	1300	3	6"	28"	700	6	8"	8	1100	HS	GC	CAPTIVE-AIRE	5424 ND-2-ACPSP-F	MAT'L: 18 GA. TYPE 430 SS. PROVIDE WITH VERTICAL END PANELS, 16" TALL HE SS FILTERS, INTEGRAL UTILITY CABINET, KITCHEN EXHAUST SUPPRESSION SYSTEM, DUCT COLLAR TEMPERATURE SENSOR, PREWIRE PACKAGE, SPARE FIRE SYSTEM DRY CONTACT, AND 4-POLE 20A CONTACTOR

ROOFTOP UNIT SCHEDULE

TAG	DESCRIPTION	NOMINAL CAPACITY [TONS]	EER	AIRFLOW			NET COOLING CAPACITY				HEATING CAPACITY			# OF COMPRESSORS	# OF CIRCUITS	REFRIG. TYPE	REFRIG. CHARGE	APPROX. WEIGHT [lbs]	ELECTRICAL			FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS	
				TOTAL [CFM]	OA [CFM]	ESP [IN. W.C.]	TOTAL [MBH]	SENSIBLE [MBH]	EAT [DEG. F] DB	COND. EAT [DEG. F] WB	INPUT [MBH]	OUTPUT [MBH]	EAT [DEG. F]						MOCP	FLA	V/P/H			MANUFACTURER	MODEL		
RTU-1	KITCHEN ROOFTOP UNIT	8.5	12	3400	500	0.8	96	63	76	66	94	224	181	61	2	2	R-410A	19.8	1300	50 A	42.0 A	208/3/60	HES	GC	CARRIER	48FC_M09	FURNISHED WITH HINGED ACCESS PANELS, STANDARD ECONOMIZER W/ DUAL ENTHALPY CONTROLS, BAROMETRIC RELIEF, RET. SMOKE DETECTOR W/ REMOTE KEYED ANNUNCIATOR/RESET, MERV-8 FILTERS, CURB, HAIL GUARD, DISCONNECT, & UNIT-MOUNTED NON-POWERED CONVENIENCE RECEPTACLE
RTU-2	DINING ROOM ROOFTOP UNIT	10	12	4000	1000	0.8	121	77	78	68	93	250	205	57	2	2	R-410A	25.6	1500	60 A	51.0 A	208/3/60	HES	GC	CARRIER	48FC_N12	FURNISHED WITH HINGED ACCESS PANELS, STANDARD ECONOMIZER W/ DUAL ENTHALPY CONTROLS, BAROMETRIC RELIEF, RET. SMOKE DETECTOR W/ REMOTE KEYED ANNUNCIATOR/RESET, MERV-8 FILTERS, CURB, HAIL GUARD, DISCONNECT, & UNIT-MOUNTED NON-POWERED CONVENIENCE RECEPTACLE

AIR BALANCE SCHEDULE

Tag	Supply Flow [CFM]	Return Flow [CFM]	Exhaust Flow [CFM]	Subtotal [CFM]
EF-1	0	0	2550	-2550
EF-2	0	0	150	-150
MAU-1	1300	0	0	1300
RTU-1	3400	2900	0	500
RTU-2	4000	3000	0	1000
Net Pressurization [CFM]				100

CONTROL FUNCTIONS

- A. THE MAIN COOKING EXHAUST FAN AND MAKE-UP AIR UNIT SHALL BE INTERLOCKED TO OPERATE TOGETHER. THIS CONTROL CIRCUIT IS ACTIVATED BY A SWITCH AND INCLUDES A FIRE PROTECTION OVERRIDE.
- B. THE TEMPERATURE IN EACH ZONE IS CONTROLLED BY SPACE TEMPERATURE SENSORS CONNECTED TO THE THERMOSTATS LOCATED IN THE OFFICE. ALL ZONES SHALL OPERATE WITH CONTINUOUS FAN OPERATION DURING OCCUPIED TIMES AND INTERMITTENTLY AS NEEDED TO MAINTAIN SET POINTS DURING UNOCCUPIED TIMES. OUTSIDE AIR DAMPERS SHALL BE OPEN CONTINUOUSLY WHEN EITHER IN OCCUPIED MODE OR WHEN THE HOOD SYSTEM IS ON AND SHALL BE CLOSED DURING UNOCCUPIED PERIODS.
- C. THE THERMOSTATS SHALL DETERMINE OCCUPIED/UNOCCUPIED STATUS BASED ON THE SCHEDULE IN THE ENERGY MANAGEMENT SYSTEM.

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Contents:

HVAC SCHEDULES

M600



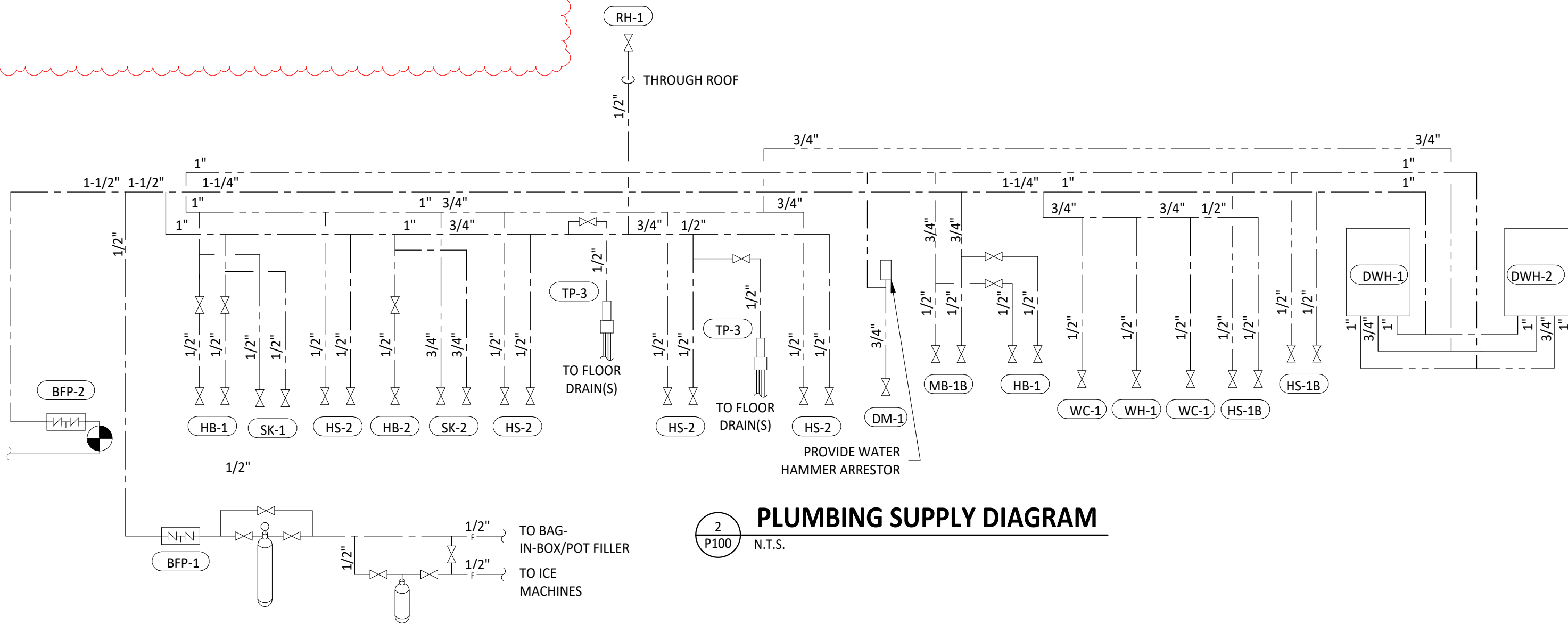
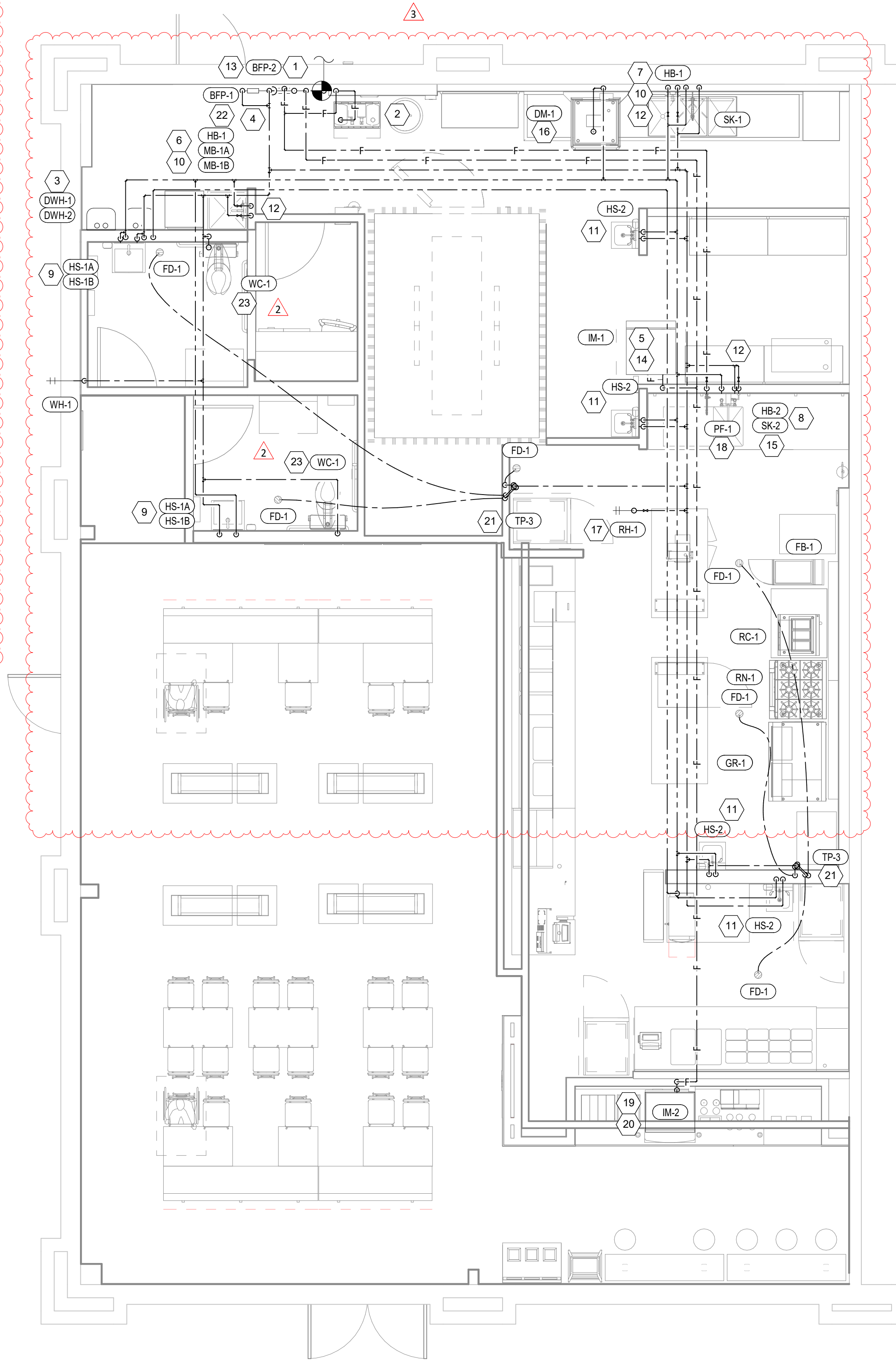
PLUMBING FIXTURE SUPPLY CONNECTIONS

ROUGH-IN TYPE KEY										
ANGLE 3/8"	BRASS CRAFT KTR19 OR EQUAL (BRASS/CHROME 1/4 TURN ANGLED BALL STOP WITH 3/8" COMPRESSION CONNECTION)									
ANGLE 1/2"	BRASS CRAFT R39X C OR EQUAL (BRASS/CHROME MULTI-TURN ANGLED STOP WITH 1/2" COMPRESSION CONNECTION)									
ANGLE 3/4"	EVERFLOW 74342-NL W/ 3/4" SWEAT X MIP ADAPTER OR EQUAL (BRASS ANGLE STOP W/ 3/4" FIP INLET AND OUTLET)									
DIRECT	PROVIDE COPPER PIPE IN CONNECTION SIZE SHOWN TO FIXTURE									
HOSE 1/2"	ARROWHEAD BRASS WM50F OR EQUAL (BRASS/CHROME WASHING MACHINE VALVE W/ 3/4" MHT OUTLET)									
MIP	PROVIDE PIPE WITH MIP THREAD STUBBED OUT OF WALL IN CONNECTION SIZE SHOWN AND LENGTH COMPATIBLE WITH FIXTURE AND WALL MATERIAL/FINISHES.									

TAG	FIXTURE	CONNECTION SIZES		ROUGH-IN TYPE	FIXTURE UNITS (EACH)			COUNT	FIXTURE UNITS (TOTAL)		
		CW	HW		CW	HW	TOTAL		CW	HW	TOTAL
BFP-1	RPZ BACKFLOW PREVENTER	1/2"		DIRECT	1		1	1	1		1
DM-1	DISH SANITIZING MACHINE (PUMPED OUTLET)		1/2"	HOSE 1/2"	0	1	1	1	0	1	1
ET-1	EXPANSION TANK	3/4"		DIRECT	0	0	0	1	0	0	0
HB-1	HOSE BIBB	1/2"	1/2"	MIP	1.5	1.5	2	1	1.5	1.5	4
HB-2	HOSE BIBB	1/2"		MIP	1.5	0	1.5	1	1.5	0	1.5
HS-1B	RESTROOM HAND SINK FAUCET	1/2"	1/2"	ANGLE 3/8"	1.5	1.5	2	1	1.5	1.5	4
HS-2	KITCHEN HAND SINK	1/2"	1/2"	ANGLE 3/8"	1.5	1.5	2	1	1.5	1.5	8
IM-1	ICE MAKER - BOH	1/2"		HOSE 1/2"	1	0	1	1	1	0	1
IM-2	ICE MAKER - SODA	1/2"		HOSE 1/2"	1		1	1	1		1
MB-1B	MOP BASIN FAUCET	1/2"	1/2"	MIP	2.25	2.25	3	1	2.25	2.25	3
PF-1	POT FILLER	1/2"		MIP	1.5	0	1.5	1	1.5	0	1.5
RH-1	FREEZE PROOF ROOF HYDRANT	3/4"		DIRECT	1	0	1	1	1	0	1
SK-1	THREE COMPARTMENT SINK	1/2"	1/2"	ANGLE 1/2"	4	4	4	1	4	4	4
SK-2	PREP SINK	3/4"	3/4"	ANGLE 3/4"	3	3	4	1	3	3	4
WC-1	WATER CLOSET	1/2"		ANGLE 3/8"	5	0	5	1	5	0	10
WH-1	FROST PROOF WALL HYDRANT	3/4"		DIRECT	1	0	1	1	1	0	1
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PLUMBING SUPPLY PLAN NOTES

- CONNECT TO THE EXISTING 1-1/2" DOMESTIC WATER SERVICE AT THE LOCATION SHOWN. RELOCATE BFP INTO LOCATION SHOWN IF IN REUSABLE CONDITION OR PROVIDE NEW BFP-2 AS SCHEDULED EXT'G METER LOCATED IN SIDEWALK.
- 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 & DWH-2 PER DETAIL 11/P700.
- PROVIDE WATER FILTERS MOUNTED TO WALL PER DETAIL 11/P700. PROVIDE 1/2" SUPPLY PIPES FROM FILTERS TO ICE MAKER AND SODA CARBONATOR AS SHOWN.
- PROVIDE 1/2" FILTERED WATER ROUGH-IN TO THE ICE MAKER AT 56" AFF. PROVIDE 6' LONG STAINLESS STEEL FLEXIBLE BRAIDED WASHING MACHINE WATER CONNECTOR WITH MINIMUM 0.43" ID (BRASSCRAFT SL12-72WA F OR EQUAL) FOR FINAL CONNECTION TO ICE MAKER.
- PROVIDE DOMESTIC WATER ROUGH-INS FOR THE MOP BASIN FAUCET AT 36" AFF. PROVIDE DOMESTIC WATER ROUGH-INS FOR THE CHEMICAL DISPENSER FAUCET (HB-1) AT 64" AFF DIRECTLY ABOVE THE MOP BASIN FAUCET. SEE ARCHITECTURAL ELEVATION FOR ADDITIONAL INFORMATION.
- PROVIDE DOMESTIC WATER ROUGH-INS FOR THE CHEMICAL DISPENSER FAUCET (HB-1) AT 52" AFF. SEE ARCHITECTURAL ELEVATION FOR ADDITIONAL INFORMATION.
- PROVIDE DOMESTIC WATER ROUGH-INS FOR THE VICTORY WASH DISPENSER FAUCET (HB-2) AT 52" AFF. SEE ARCHITECTURAL ELEVATION FOR ADDITIONAL INFORMATION.
- PROVIDE ROUGH-INS TO RESTROOM HAND SINKS AS SHOWN IN DETAIL 14/P700.
- CONNECT CHEMICAL DISPENSER TO HB-1. CHEMICAL DISPENSER HAS AN INTEGRAL AIR GAP AS IS SHOWN IN DETAIL 10/P700.
- PROVIDE ASSE 1016/1070 POINT-OF-USE THERMOSTATIC MIXING VALVE, WATTS LFJUS-B, ON WATER SUPPLY TO KITCHEN HAND SINKS. PROVIDE ANGLE STOP BELOW SINK, FASTEN MIXING VALVE TO WALL, AND MAKE FINAL CONNECTION FROM ANGLE STOPS TO MIXING VALVE AND FROM MIXING VALVE TO FAUCET USING BRAIDED STAINLESS STEEL HOSE. ADJUST MIXING VALVE FOR A DISCHARGE TEMPERATURE OF APPROXIMATELY 110° F.
- PROVIDE ACCESSIBLE VALVE IN WATER SUPPLY TO FIXTURE AS SHOWN.
- PROVIDE WATER SERVICE ENTRY PER DETAIL 17/P700.
- INSTALL RGF IMSB ICE MAKER SANITIZER FURNISHED BY TUV PER CHIPOTLE'S INSTALLATION INSTRUCTIONS.
- PROVIDE 3/4" DOMESTIC HOT AND COLD WATER ROUGH-INS FOR THE PREP SINK (SK-2) FAUCET AT 24" AFF TO ALLOW FOR THE VICTORY WASH CHEMICAL DOCK TO BE INSTALLED DIRECTLY BELOW THE PREP SINK BASIN. MAKE FINAL CONNECTION TO PREP SINK FAUCET USING 3/4" BRAIDED STAINLESS STEEL WATER HEATER CONNECTOR HOSE.
- PROVIDE 1/2" HOT WATER TO THE DISH MACHINE AT 66" AFF ABOVE LEFT SIDE OF DISH MACHINE, MAKING FINAL CONNECTION USING HOSE FURNISHED WITH DISH MACHINE. PROVIDE WATER HAMMER ARRESTOR ON HOT WATER LINE. 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-INS FOR THE SPEED FILL POT FILLER FAUCET (PF-1) AT 40" AFF. SEE ARCHITECTURAL ELEVATION FOR DETAIL.
- PROVIDE 1/2" FILTERED WATER ROUGH-IN TO THE ICE MAKER AT 24" AFF. PROVIDE 6' LONG STAINLESS STEEL FLEXIBLE BRAIDED WASHING MACHINE WATER CONNECTOR WITH MINIMUM 0.43" ID (BRASSCRAFT SL12-72WA F OR EQUAL) FOR FINAL CONNECTION TO ICE MAKER.
- INSTALL RGF IMSB ICE MAKER SANITIZER FURNISHED BY TUV PER CHIPOTLE'S INSTALLATION INSTRUCTIONS. LOCATE IMSB BELOW UTENSIL COUNTER IN A LOCATION THAT DOES NOT INTERFERE WITH THE ROLLING RACK BELOW THE UTENSIL COUNTER.
- PROVIDE ACCESSIBLE TRAP PRIMER ABOVE LAY-IN CEILING AS SHOWN. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH A SERVICE VALVE AT THE TRAP PRIMER INLET. PROVIDE 1/2" DISTRIBUTION PIPE(S) TO FLOOR DRAIN TRAP PRIMER CONNECTION(S) AS SHOWN. HORIZONTAL DISTRIBUTION PIPING SHALL HAVE CONTINUOUS SLOPE TO THE FLOOR DRAIN(S).
- COORDIANTE EQUIPMENT AND LOCATIONS BY REAR DOOR TO MAINTAIN THE REQUIRED ADA CLEARANCES. SEE ARCHITECTURAL DRAWINGS FOR REQUIRED CLEARANCES.
- REPLACE STOCK WATER CLOSET HANDLE WITH UNIVERSAL CABLE-OPERATED HANDLE (FLUSHMATE AP300503 OR AP300504 - FIELD VERIFY COMPATIBILITY WITH FLUSHMATE SYSTEM IN WATER CLOSET).



PLUMBING SUPPLY DIAGRAM

PLUMBING SUPPLY PLAN

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2	04/08/2024 DB03 2024
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Checked: MPC

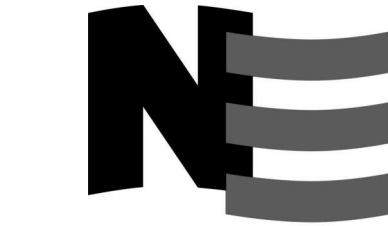
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2401086

Contents:

PLUMBING PLAN
WATER & GAS

P100

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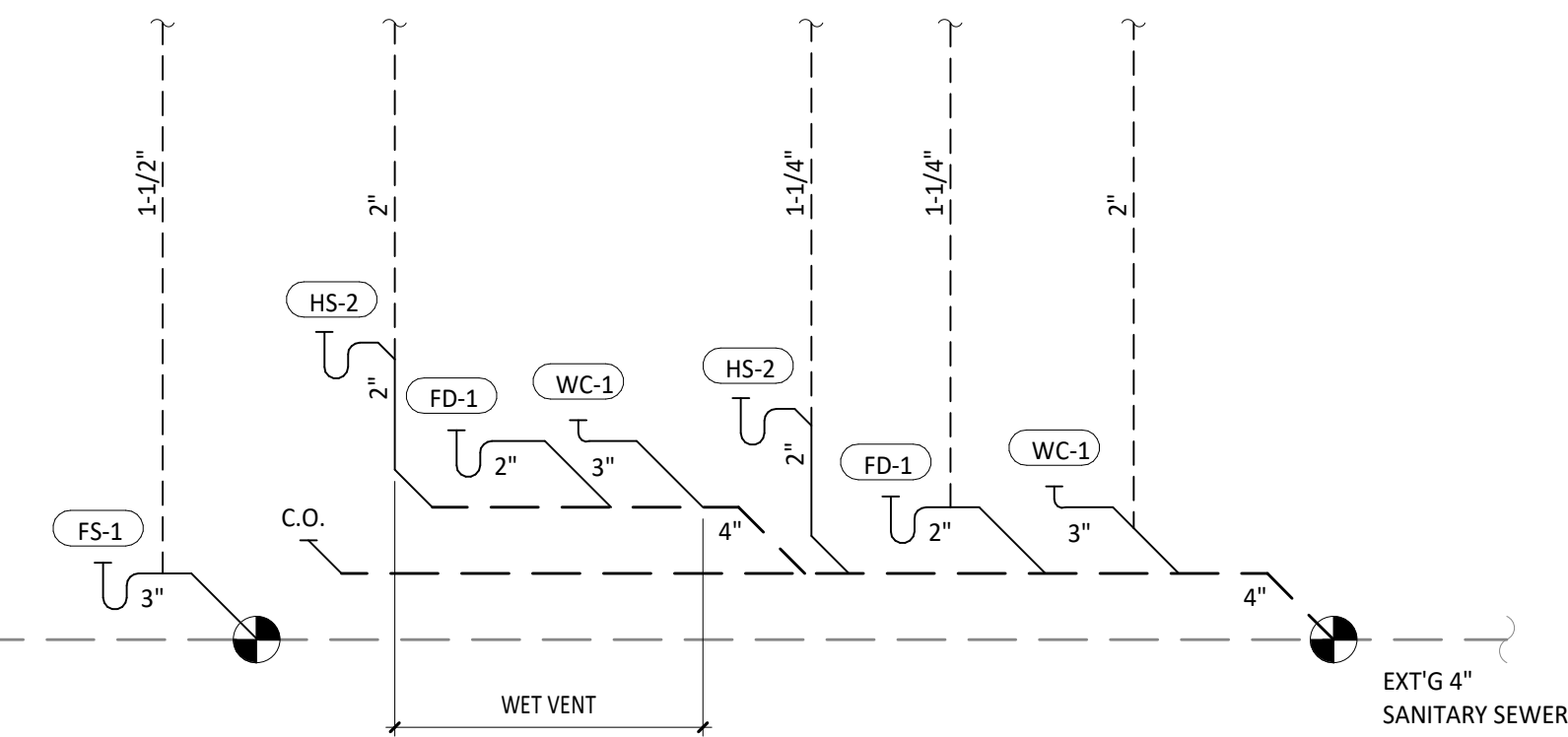
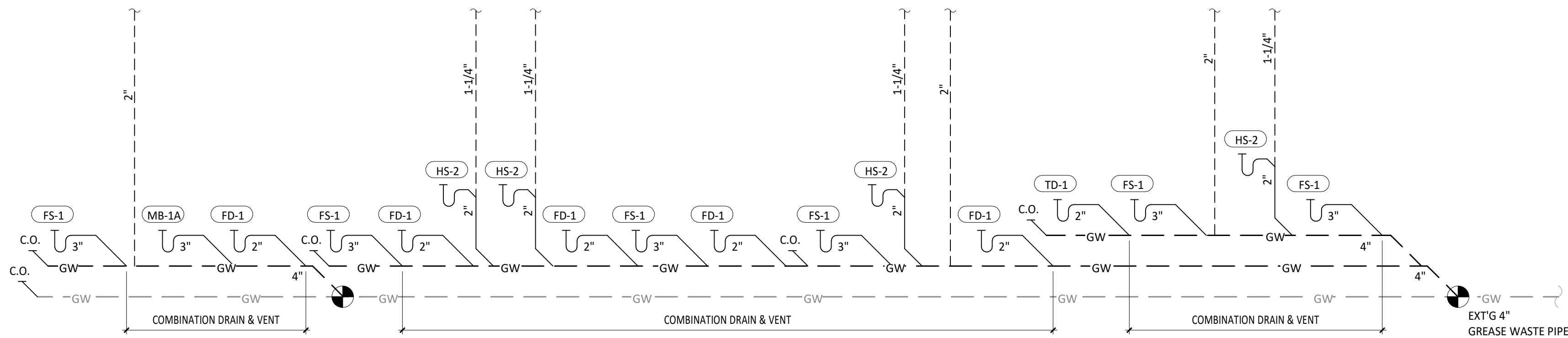
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Contents:
PLUMBING PLAN
WASTE & VENT

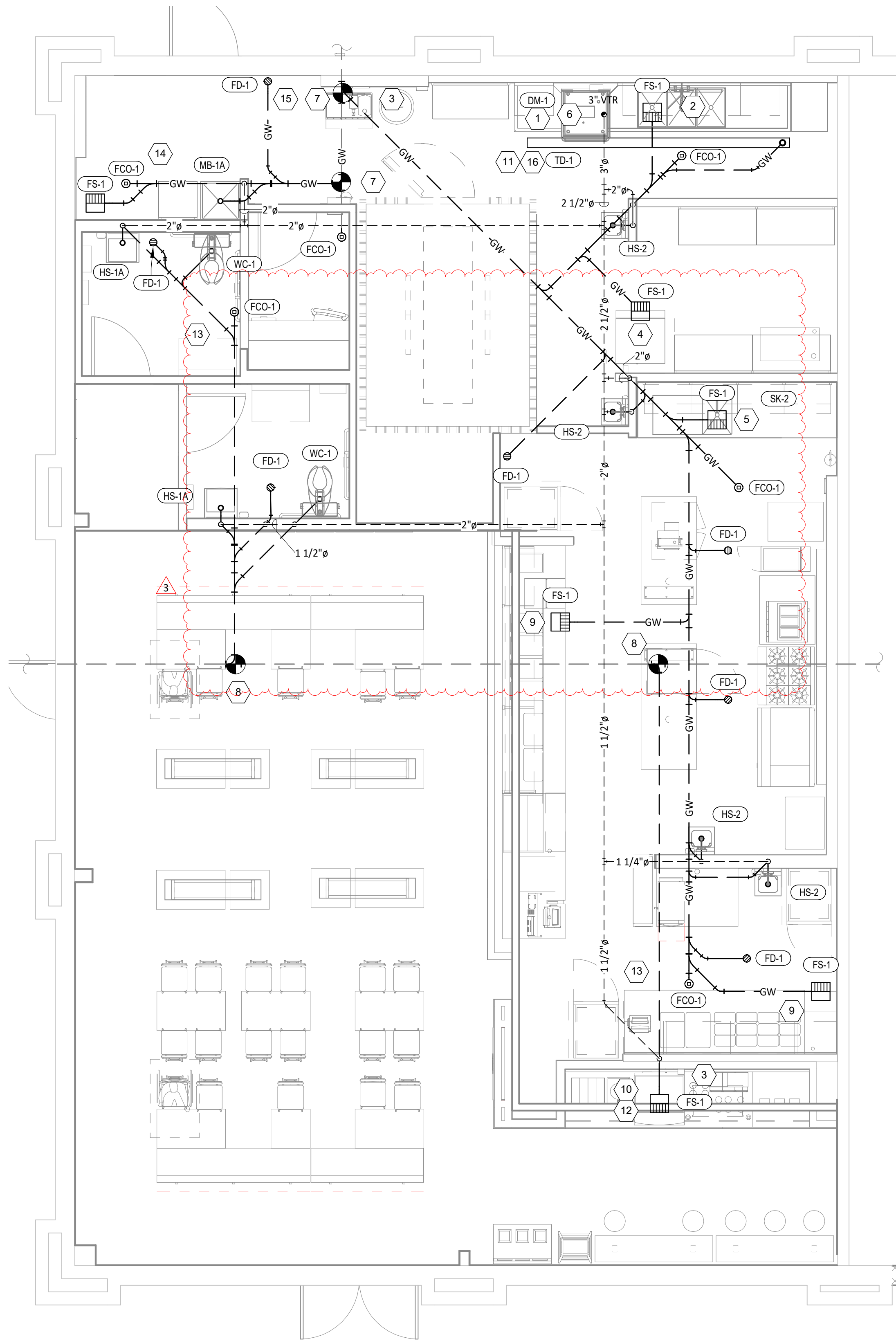
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PLUMBING WASTE AND VENT PLAN NOTES

- 1 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.
- 2 PROVIDE DRAIN CONNECTIONS TO THE THREE COMPARTMENT SINK PER DETAIL 2/P700.
- 3 COORDINATE ROUTING OF SODA BUNDLES WITH COCA-COLA TECHNICIAN FROM BAG-IN-BOX AREA TO EACH SODA FOUNTAIN. OTHER THAN WITHIN THE WALLS DOWN TO THE DRYER BOX THE SODA BUNDLE SHALL BE ROUTED OVERHEAD WITHOUT CONDUIT. COORDINATE SUPPORT AND ROUTING OF THE SODA LINE BUNDLES WITH COCA-COLA TECHNICIAN DURING ROUGH IN AND PROVIDE NECESSARY SUPPORTS. SEE ARCHITECTURAL DRAWINGS FOR SODA BUNDLE TERMINATION LOCATION AND PROVIDE TERMINATION PER DETAIL 12/P700.
- 4 PROVIDE PVC DRAIN PIPES FROM THE ICE MACHINE TO THE FLOOR SINK PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE A CODE-APPROVED AIR GAP AT THE DISCHARGE TO THE FLOOR SINK. SECURE ICE MAKER DRAIN PIPES TO THE BOTTOM OF THE ICE MAKER.
- 5 PROVIDE DRAIN LINES FROM THE FOOD PREP SINK TO THE FLOOR SINK. PROVIDE AN AIR GAP AT THE DISCHARGE TO THE FLOOR SINK.
- 6 PROVIDE A 3" VENT THROUGH THE ROOF PER DETAIL 3/P700.
- 7 CONNECT TO EXISTING 4" GREASE WASTE LINE LEADING TO EXISTING DEDICATED 1500 GALLON INTERCEPTOR.
- 8 CONNECT TO EXISTING 4" SANITARY SEWER.
- 9 PROVIDE 3/4" VALVED DRAIN FROM HOT FOOD TABLE TO THE FLOOR SINK. DRAIN THROUGH AN AIR GAP.
- 10 PROVIDE INSULATED COPPER DRAIN LINES FROM THE TEA TRAY DRAIN AND THE SODA MACHINE DRAIN TO THE FLOOR SINK. DRAIN THROUGH AN AIR GAP. HOLD TEA TRAY DRAIN AS HIGH AS POSSIBLE AND SECURE TO STRUCTURE BELOW THE UTENSIL COUNTER.
- 11 TRIM TRENCH DRAIN ENDS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION SO THAT GRATE FITS WITHOUT GAPS. INSTALL TRENCH DRAIN WITH SLIGHT POSITIVE SLOPE TOWARD THE DRAIN CONNECTION TO AVOID STANDING WATER IN TRENCH DRAIN.
- 12 PROVIDE 3/4" PVC DRAIN PIPE FROM THE ICE MACHINE TO THE FLOOR SINK PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE A CODE-APPROVED AIR GAP AT THE DISCHARGE TO THE FLOOR SINK.
- 13 DO NOT PROVIDE WALL CLEANOUTS ON TILE OR PUBLICLY-VISIBLE WALLS. IF A WALL CLEANOUT IS REQUIRED ON THESE SURFACE COORDINATE THE EXACT LOCATION WITH CHIPOTLE'S CONSTRUCTION MANAGER.
- 14 PROVIDE INDIRECT WASTE AND CONDENSATE DRAINS FROM FIXTURES OTHER THAN KITCHEN SINKS CONCEALED IN THE WALL AS SHOWN IN DETAIL 9/P700.
- 15 PROVIDE DRAIN FROM WATER FILTER BFP TO FLOOR DRAIN CONCEALED IN THE WALL AS SHOWN IN DETAIL 9/P700.
- 16 PROVIDE TRENCH DRAIN AS SHOWN IN DETAIL 15/P700.



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SANITARY WASTE & VENT DIAGRAM
N.T.S.



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P110
SANITARY WASTE & VENT PLAN
1/4" = 1'-0"

PLUMBING FIXTURE SCHEDULE

		FURNISHED BY	INSTALLED BY	MANUFACTURER	MODEL			CONNECTION SIZES			FIXTURE UNITS (EACH)				FIXTURE UNITS (TOTAL)					
TAG	FIXTURE					DESCRIPTION	QUANTITY	CW	HW	WASTE	CW	HW	TOTAL	SAN	CW	HW	TOTAL	SAN		
BFP-1	RPZ BACKFLOW PREVENTER	GC	GC	CONBRACO	4ALF-203-T2F	LEAD FREE REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER WITH AUTOMATIC DIFFERENTIAL RELIEF VALVE	1	1/2"			1		1		1	0	1	0		
BFP-2	RPZ BACKFLOW PREVENTER	GC	GC	CONBRACO	4ALF-207	LEAD FREE REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER WITH AUTOMATIC DIFFERENTIAL RELIEF VALVE AND AIR GAP FITTING	1	1 1/2"			1				1	0	0	0		
DM-1	DISH SANITIZING MACHINE (PUMPED OUTLET)	KES	GC	FURNISHED BY KES	--	CHEMICAL SANITIZING DISH MACHINE WITH INTEGRAL ELECTRIC BOOSTER HEATER AND PUMPED OUTLET	1		1/2"	3/4"	0	1	1	0	0	1	1	0		
ET-1	EXPANSION TANK	GC	GC	AMTROL	ST-5	2 GALLON CAPACITY	1	3/4"			0	0	0	0	0	0	0	0		
FCO-1	FLOOR CLEANOUT (4")	GC	GC	SIOUX CHIEF	852-4PNR	ON-GRADE ADJUSTABLE CLEANOUT WITH INTERNAL THREADED CLEANOUT PLUG AND ROUND NICKEL-BRONZE RING AND COVER (OR APPROVED EQUAL WITH INTERNAL THREADED CLEANOUT PLUG)	6			4"				0	0	0	0	0		
FD-1	FLOOR DRAIN	GC	GC	SIOUX CHIEF	842-2-PNR	ADJUSTABLE FLOOR DRAIN, ROUND POLISHED METAL RING AND STRAINER	7			2"			0	2	0	0	0	14		
FS-1	FLOOR SINK	GC	GC	SIOUX CHIEF	861-3PU2	HEAVY DUTY PVC FLOOR SINK WITH ALUMINUM DOME BOTTOM STRAINER AND OPEN HALF PVC GRATE	7			3"			0	5	0	0	0	35		
HB-1	HOSE BIBB	KES	GC	T&S	B-2345-01-XX	COMMERCIAL QUALITY HOT & COLD MIXING WALL HYDRANT. SUPPLY ARMS SHALL HAVE INTEGRAL SHUT-OFF STOP AND CHECK VALVE.	2	1/2"	1/2"		1.5	1.5	2	0	3	3	4	0		
HB-2	HOSE BIBB	KES	GC	T&S	B-0730	SILL FAUCET WITH 1/2" NPT FEMALE INLET AND 3/4" GARDEN HOSE THREADED OUTLET.	1	1/2"			1.5	0	1.5	0	1.5	0	1.5	0		
HS-1A	RESTROOM HAND SINK	GC	GC	AMERICAN STANDARD	9024.001EC	ADA-ACCESSIBLE, WALL-MOUNTED, PORCELAIN LAVATORY. PROVIDE ZURN Z1231 (Z1231-D FOR BACK-TO-BACK APPLICATIONS) CONCEALED ARM CARRIER IN WALL. APPROVED ALTERNATE: KOHLER K-2084	2	0"	0"	2"	0	0	0	1	0	0	0	2		
HS-1B	RESTROOM HAND SINK FAUCET	KES	GC	FURNISHED BY KES	--	PLUG-IN AUTOMATIC FAUCET WITH 0.5 GPM AERATOR AND THERMOSTATIC MIXING VALVE. ADJUST FAUCET CONTROLS FOR 10 SECOND SHUTOFF DELAY AND 30 SECOND TIME-OUT DELAY.	2	1/2"	1/2"	0"	1.5	1.5	2	0	3	3	4	0		
HS-2	KITCHEN HAND SINK	KES	GC	FURNISHED BY KES	--	STAINLESS STEEL SINK WITH WALL MOUNTING BRACKET AND BACKSPASH MOUNTED FAUCET WITH SWIVEL GOOSENECK	4	1/2"	1/2"	2"	1.5	1.5	2	1	6	6	8	4		
IM-1	ICE MAKER - BOH	KES	GC	SEE ARCH	--	BACK OF HOUSE ICE MAKER WITH BIN (STANDARD CAPACITY REMOTE AIR COOLED)	1	1/2"			1	0	1	0	1	0	1	0		
IM-2	ICE MAKER - SODA	KES	KES	SEE ARCH	--	SODA MACHINE-MOUNTED ICE MAKER (INTEGRAL AIR COOLED)	1	1/2"			1		1		1	0	1	0		
MB-1A	MOP BASIN	GC	GC	FIAT	MSB2424	PROVIDE 24"x24"x10" MOLDED-STONE MOP BASIN. INSTALL MOP BASIN IN A BED OF GROUT SO THERE ARE NO VOIDS BETWEEN THE MOP BASIN AND THE SLAB.	1	0"	0"	3"	0	0	0	3	0	0	0	3		
MB-1B	MOP BASIN FAUCET	KES	GC	FURNISHED BY KES	--	SERVICE SINK FAUCET WITH BUILT IN STOPS, LEVER HANDLES, AND WALL BRACE.	1	1/2"	1/2"	0"	2.25	2.25	3	0	2.25	2.25	3	0		
PF-1	POT FILLER	KES	GC	FURNISHED BY KES	--	WALL-MOUNTED POT FILLER W/ SELF-CLOSING FILLER VALVE AND 3/8" NPT FEMALE INLET	1	1/2"			1.5	0	1.5		1.5	0	1.5	0		
RH-1	FREEZE PROOF ROOF HYDRANT	GC	GC	HOEPTNER	2131R	AUTOMATIC DRAINING, FREEZELESS ROOF HYDRANT WITH ANTI-SIPHON VACUUM BREAKER HOEPTNER PRODUCTS (408) 847-7615	1	3/4"			1	0	1		1	0	1	0		
SK-1	THREE COMPARTMENT SINK	KES	GC	FURNISHED BY KES	--	THREE-COMPARTMENT WARE-WASHING SINK FURNISHED WITH (1) PRE-RINSE UNIT WITH ADD-ON FAUCET	1	1/2"	1/2"	2"	4	4	4	5	4	4	4	5		
SK-2	PREP SINK	KES	GC	FURNISHED BY KES	--	STAINLESS STEEL PREP TABLE WITH INTEGRAL PREP SINK. FURNISHED WITH "BIG FLO" FAUCET	1	3/4"	3/4"	2"	3	3	4	0	3	3	4	0		
TD-1	TRENCH DRAIN	GC	GC	ZURN	Z886 8601 8602	6" X 160" HDPE TRENCH DRAIN (SLOPED FROM 3.50" TO 4.70") WITH (2) CLOSED END CAPS, (1) 4" NO-HUB BOTTOM OUTLET, AND CLASS-A HEEL-PROOF POLYETHYLENE GRATES. SEE DETAIL 12/P700 FOR REDUCTION TO 2" DRAIN CONNECTION.	1			2"	0	0	0	2	0	0	0	2		
TP-3	TRAP PRIMER (THREE-FOUR FLOOR DRAINS)	GC	GC	PRECISION PLUMBING PRODUCTS	P1-500 W/ DU-U	TRAP PRIMER WITH INTEGRAL VACUUM BREAKER AND DISTRIBUTION UNIT. CAP UNUSED DISTRIBUTION UNIT OUTLETS.	2	1/2"			0		0		0	0	0	0		
WC-1	WATER CLOSET	GC	GC	KOHLER	K-3519 W/ SEAT K-4666-C	WHITE HIGHLINE 1.0 GPF, 17-1/8"-HIGH, ADA ACCESSIBLE, PRESSURE ASSIST WATER CLOSET WITH OPEN-FRONT SEAT. INSTALL TRIP LEVER ON THE TANK TO THE OPEN SIDE OF THE STALL (ADD -RA TO THE MODEL # FOR RIGHT HAND TRIP LEVER).	2	1/2"		3"	5	0	5	4	10	0	10	8		
WH-1	FROST PROOF WALL HYDRANT	GC	GC	WOODFORD	MODEL 65	AUTOMATIC DRAINING, FREEZELESS WALL HYDRANT WITH ANTI-SIPHON VACUUM BREAKER. PROVIDE WITH STEM LONG ENOUGH TO REACH INSIDE THE THERMAL ENVELOPE OF THE BUILDING.	1	3/4"			1	0	1		1	0	1	0		
							49										40.25	22.25	46	73

WATER HEATER SCHEDULE - INSTANTANEOUS

TAG	DESCRIPTION	FURNISHED BY	INSTALLED BY	MANUFACTURER	MODEL	INPUT MBH	DELIVERY	NOTES
DWH-1	DIRECT VENT GAS-FIRED INSTANTANEOUS WATER HEATER	GC	GC	NAVIENT	NPE-240A2	199	354 GPH @ 65" RISE	RATED FLOW RATE: 5.6 GPM @ 67°F RISE THERMAL EFFICIENCY: 96% PROVIDE WITH LEAD FREE "PLUMB EASY VALVE SET". GC SHALL PURCHASE WATER HEATER DIRECTLY THROUGH A NAVIENT AUTHORIZED DISTRIBUTOR (1-800-519-8794 OR WWW.NAVIENT.COM TO LOCATE AUTHORIZED DISTRIBUTOR).
DWH-2	DIRECT VENT GAS-FIRED INSTANTANEOUS WATER HEATER	GC	GC	NAVIENT	NPE-240A2	199	354 GPH @ 65" RISE	RATED FLOW RATE: 5.6 GPM @ 67°F RISE THERMAL EFFICIENCY: 96% PROVIDE WITH LEAD FREE "PLUMB EASY VALVE SET". GC SHALL PURCHASE WATER HEATER DIRECTLY THROUGH A NAVIENT AUTHORIZED DISTRIBUTOR (1-800-519-8794 OR WWW.NAVIENT.COM TO LOCATE AUTHORIZED DISTRIBUTOR).

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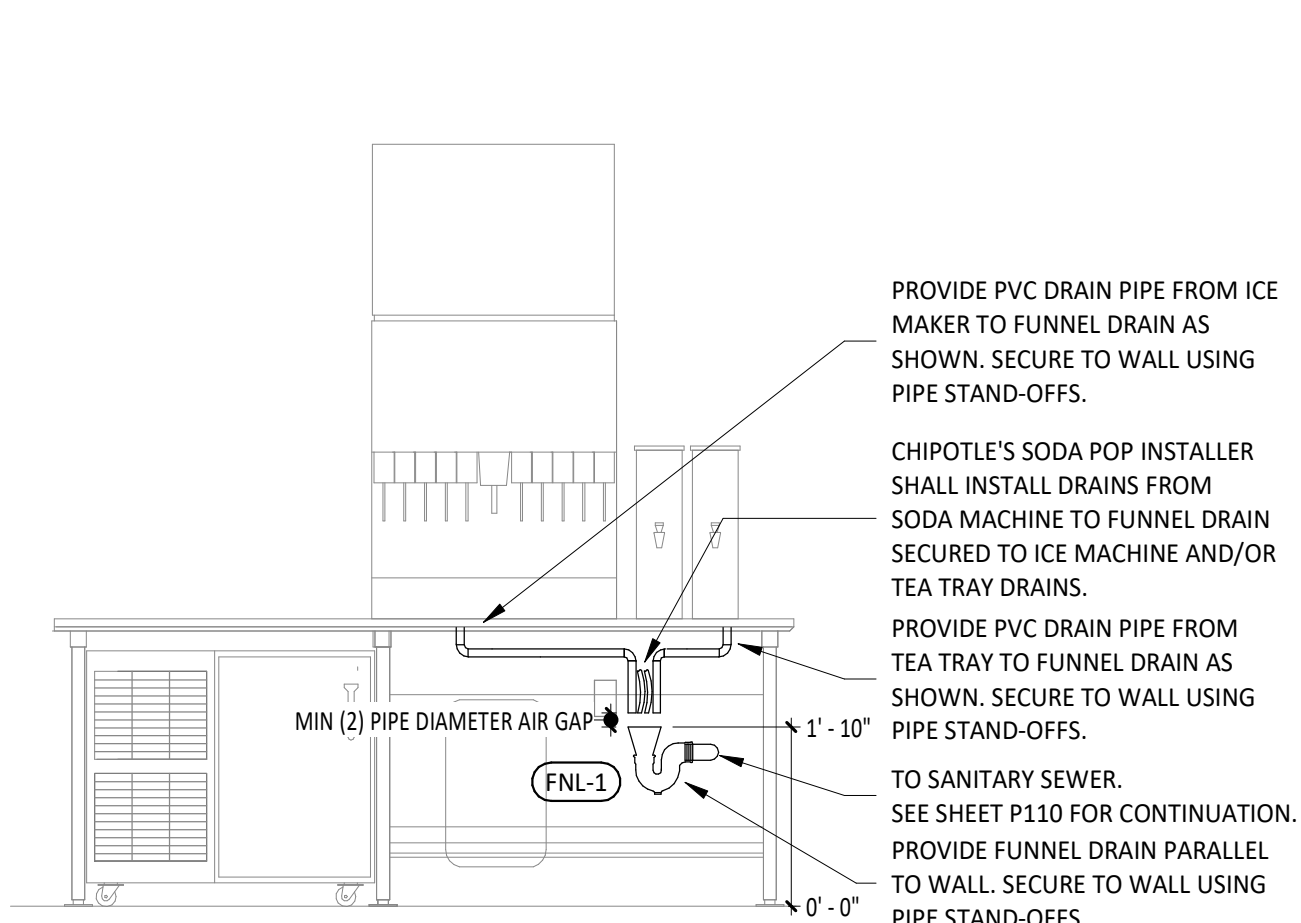
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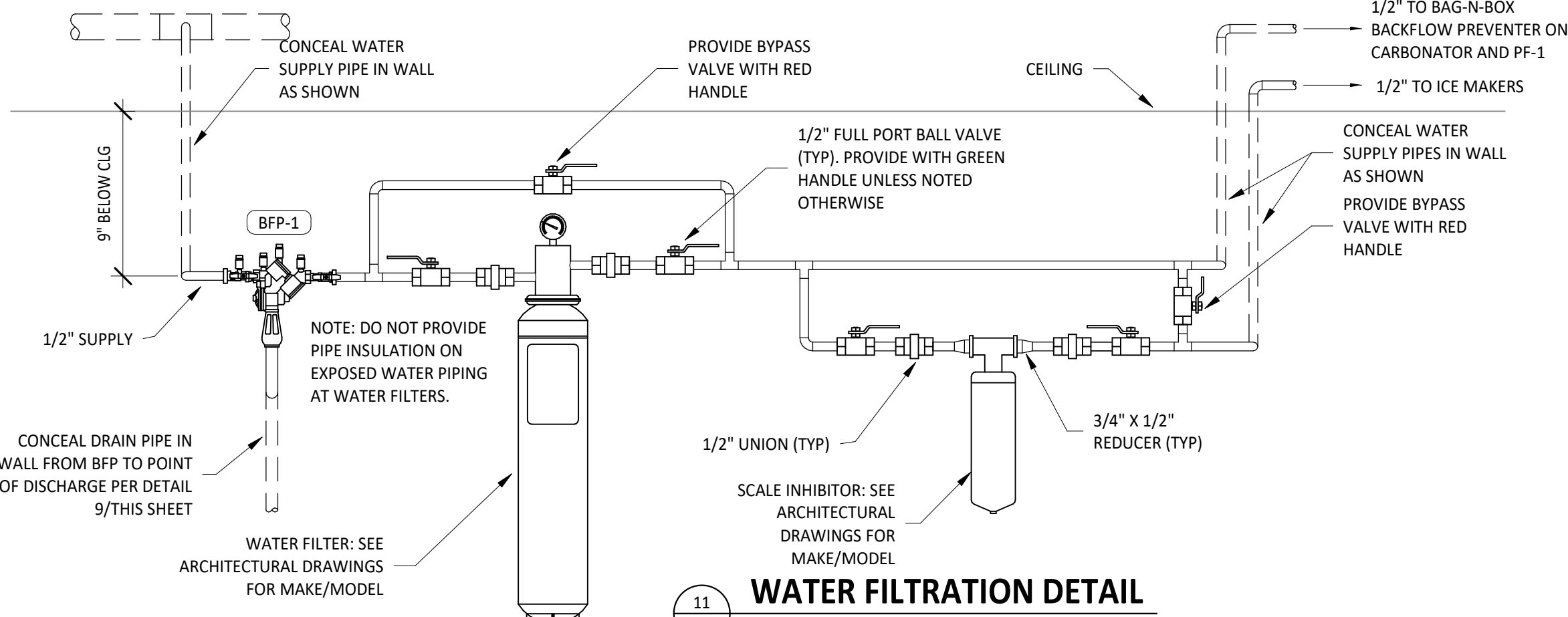
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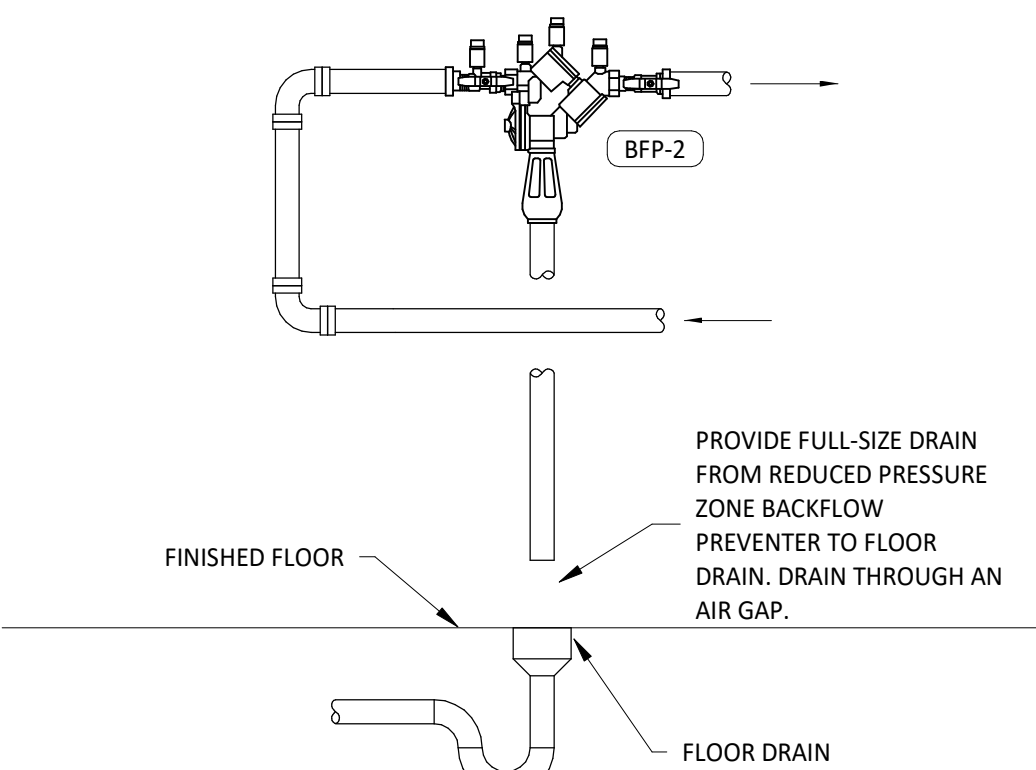
PUW FUNNEL DRAIN DETAIL

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WATER FILTRATION DETAIL

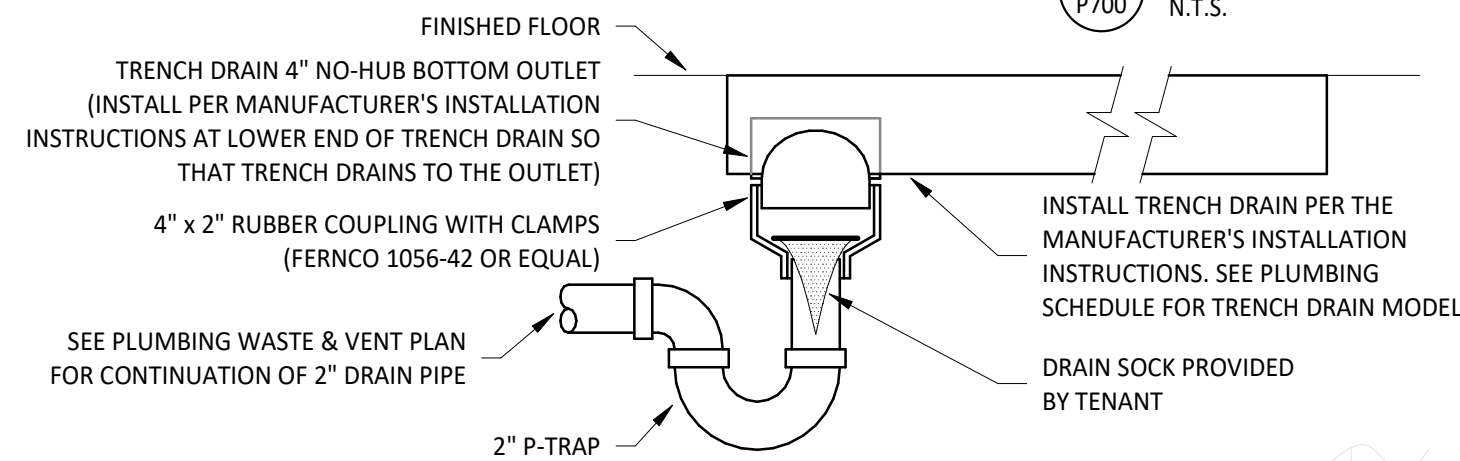
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WATER SERVICE ENTRY DETAIL

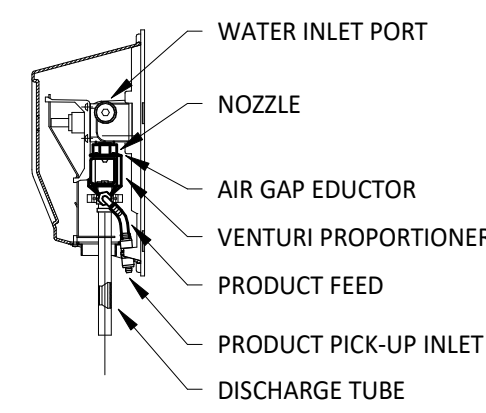
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P700
N.T.S.

NOTES:
MAKE NECESSARY ARRANGEMENTS WITH WATER COMPANY TO INSTALL NEW WATER SERVICE PER LOCAL CODES & WATER COMPANY REGULATIONS AND PAY ALL CHARGES. SERVICE SHALL BE SIZED PER THE PLUMBING PLAN & INSTALLED IN STRICT ACCORDANCE OF WATER COMPANY REGULATIONS. ANCHOR METER, BACKFLOW PREVENTER, AND PIPING TO THE WALL OR THE FLOOR. CERTIFY THE BACKFLOW PREVENTER PER THE WATER COMPANY'S REQUIREMENTS.



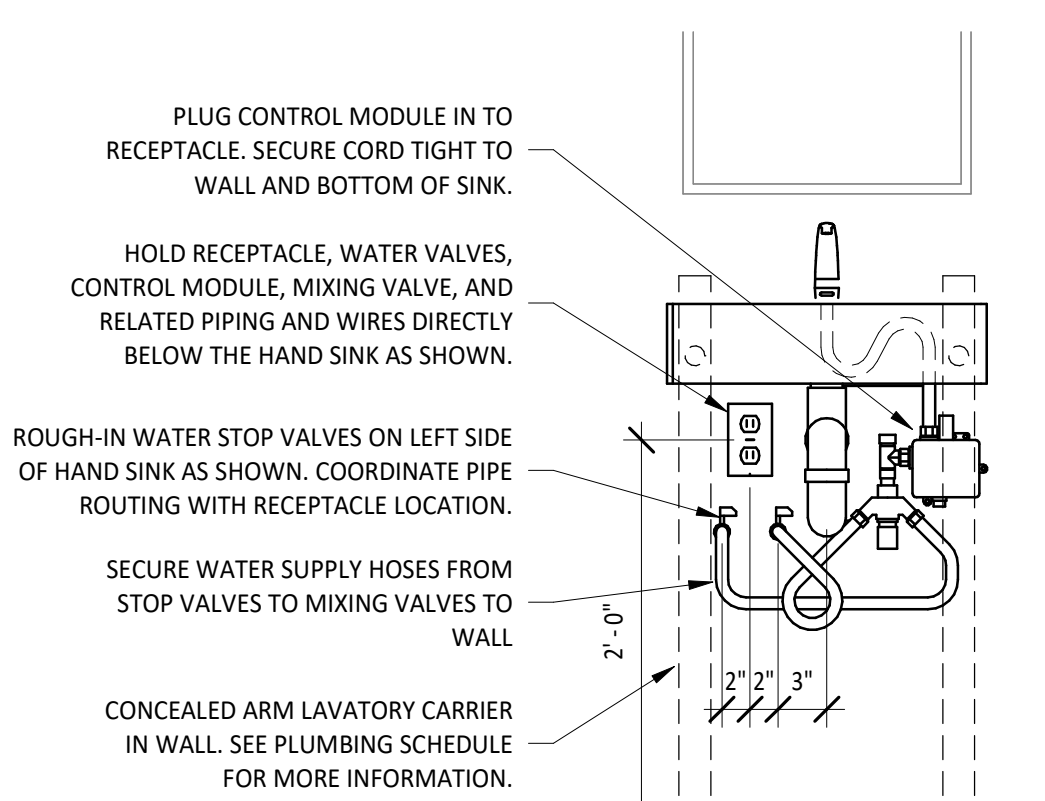
TRENCH DRAIN DETAIL

15
P700
N.T.S.



CHEMICAL DISPENSER DETAIL

10
P700
N.T.S.



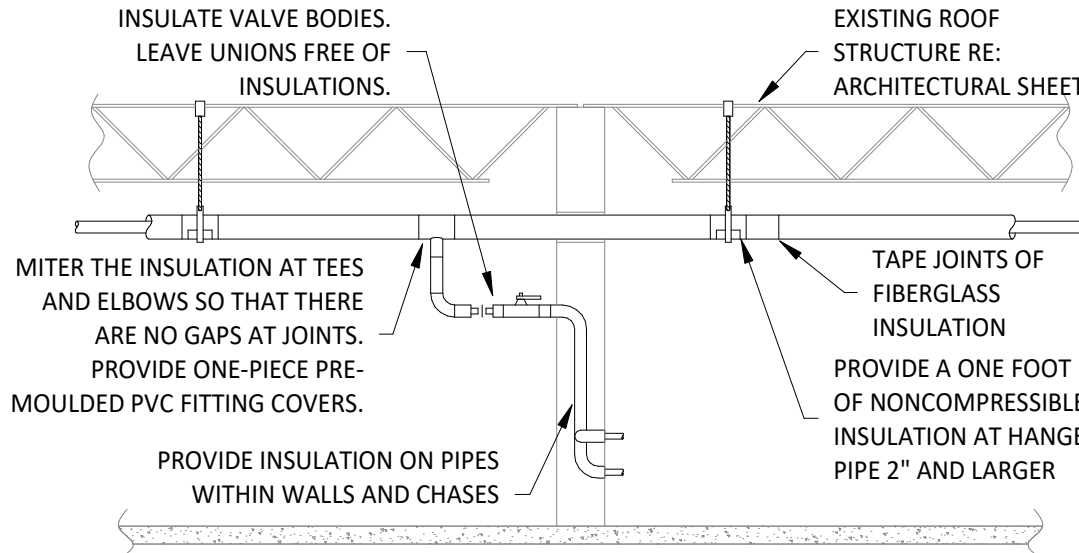
RESTROOM HAND SINK DETAIL

14
P700
N.T.S.



SODA TERMINATION DETAIL

12
P700
N.T.S.



PIPE INSULATION DETAIL

8
P700
N.T.S.

WATER HEATER DETAIL NOTES

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

WATER HEATER DIP SWITCH SETTINGS

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

RECIRCULATION VALVE SETTING

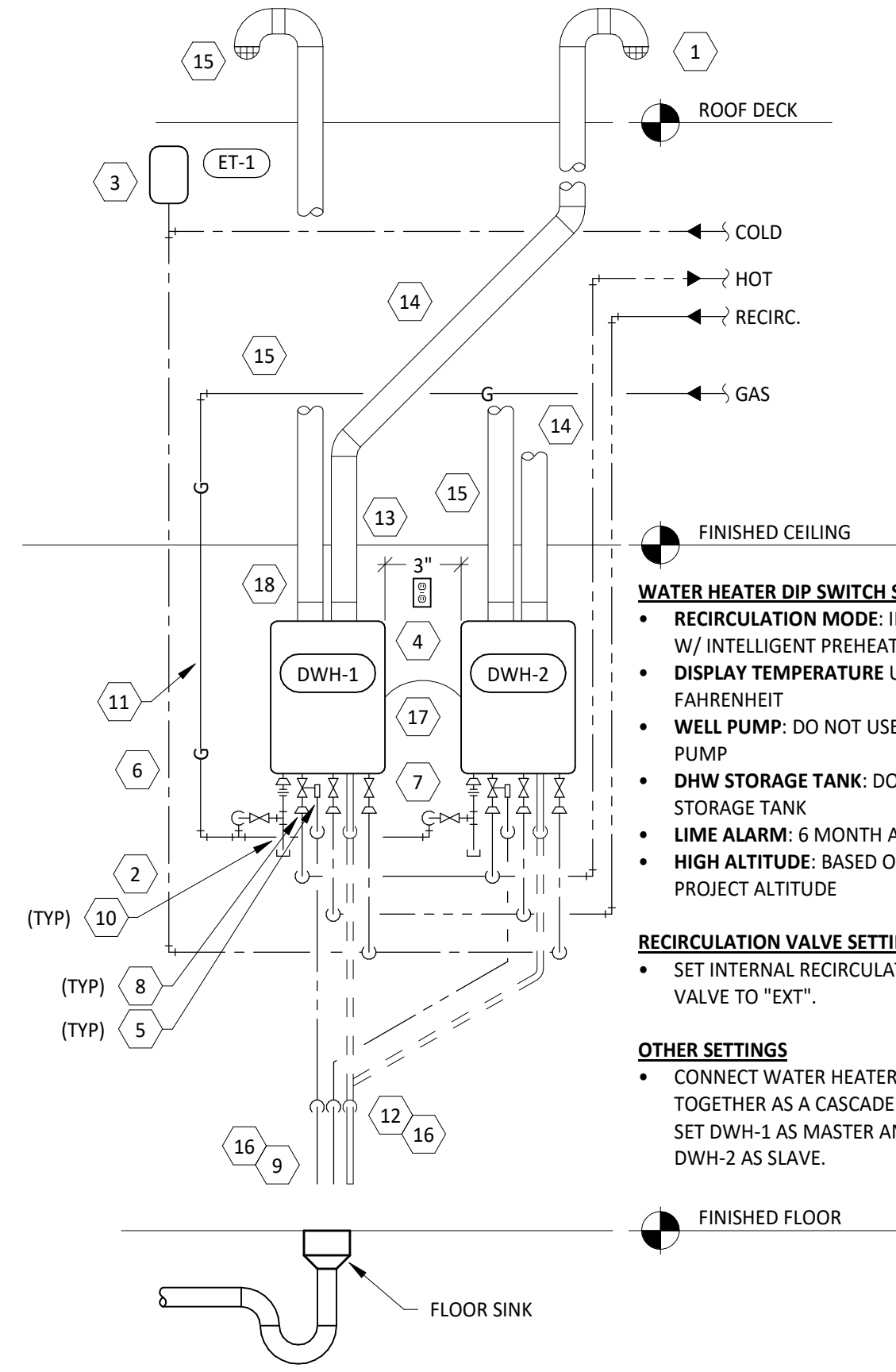
- SET INTERNAL RECIRCULATION VALVE TO "EXT".

OTHER SETTINGS

- CONNECT WATER HEATERS TOGETHER AS A CASCADE SYSTEM. SET DWH-1 AS MASTER AND DWH-2 AS SLAVE.

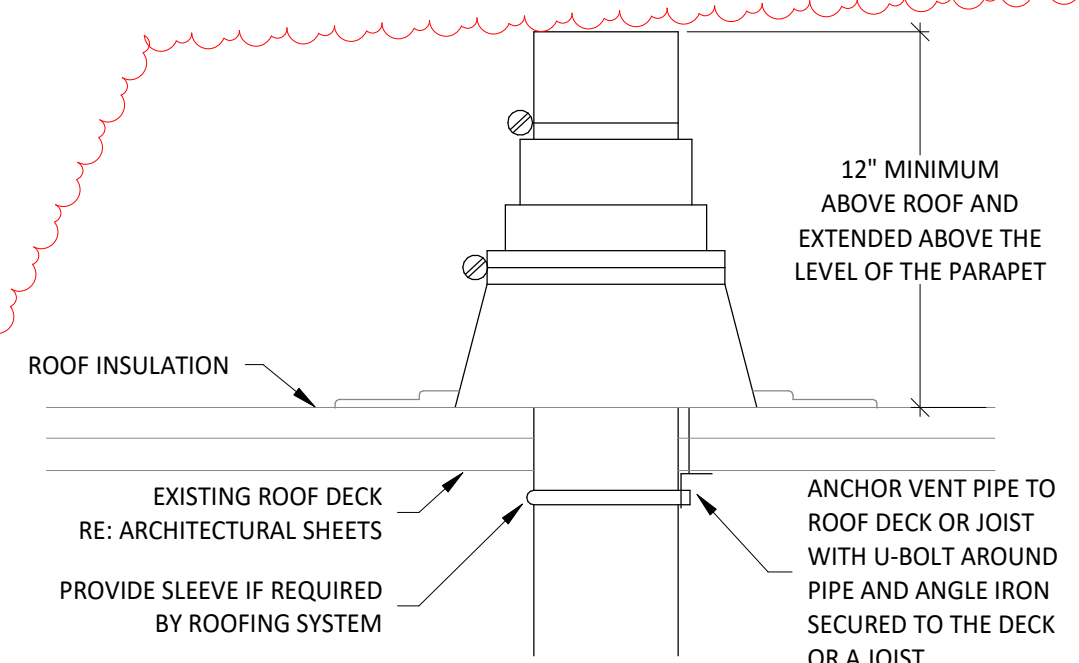
WATER HEATER GENERAL NOTES

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



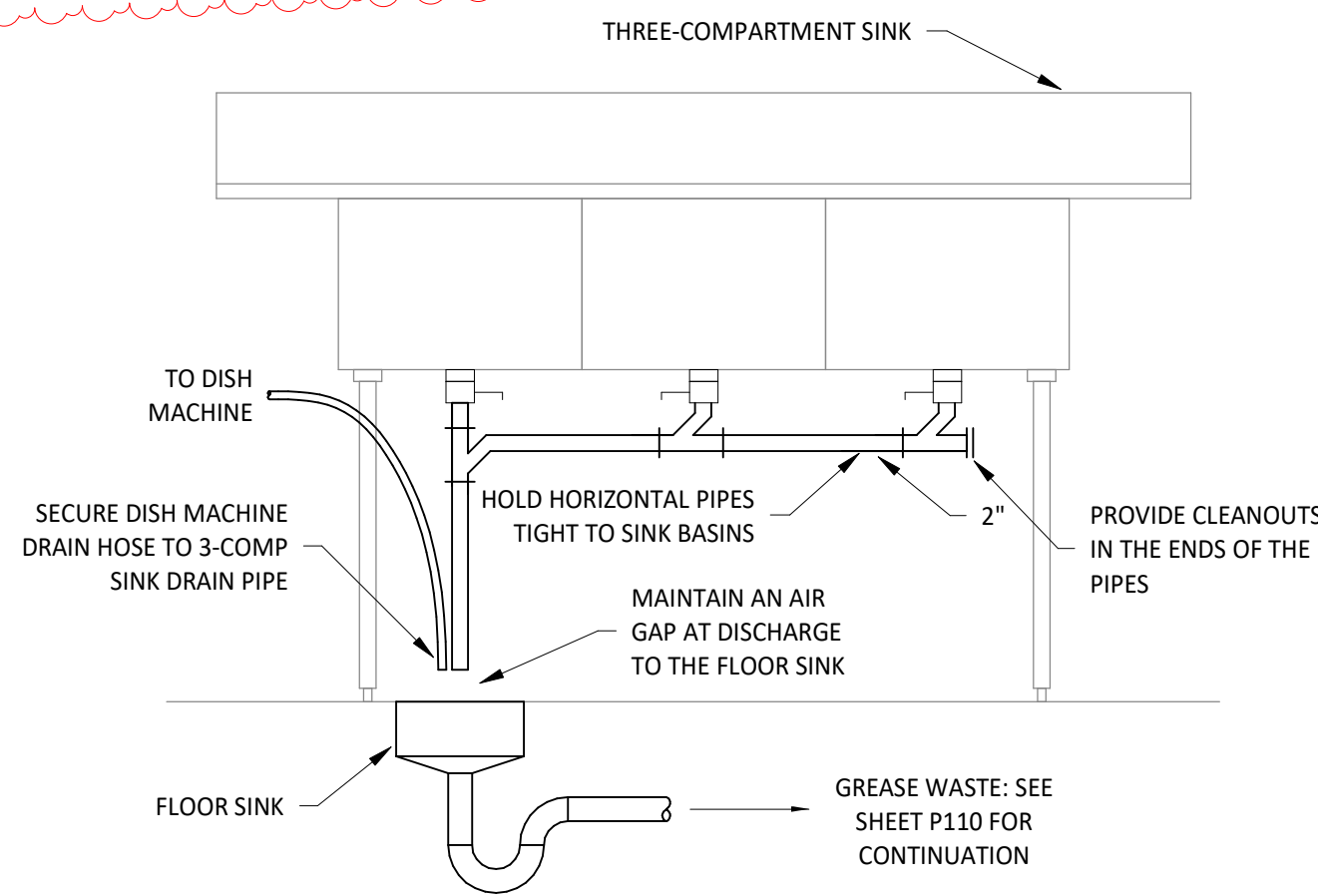
WATER HEATER DETAIL

1
P700
N.T.S.



VENT THROUGH ROOF

3
P700
N.T.S.



WARE-WASHING SINK DETAIL

2
P700
N.T.S.

SECTION 16011 TEMPORARY & PERMANENT ELECTRICAL SERVICE

PART 1 - GENERAL

1.1 DEFINITIONS

- A. GFCI: Ground fault current interrupter.
B. RMS: Root Mean Square
C. SPDT: Single Pole, Double Throw

1.2 USE CHARGES

- A. General: Cost or use charges for temporary facilities are not chargeable to Tenant, Architect, or Engineer and shall be included in the Contract Sum. Allow other entities to use temporary services and facilities without cost, including, but not limited to, the following:
- Tenant's construction forces.
 - Occupants of Project.
 - Architect.
 - Engineer.
 - Testing agencies.
 - Personnel of authorities having jurisdiction.
- B. Permanent Service: Coordinate with building Tenant and utility company to establish permanent service upon completion of the project. Contractor shall pay for all permits, aid-to-construction charges, and related fees associated with the new service.

1.3 NOTIFICATION

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

1.4 QUALITY ASSURANCE

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

PART 2 PRODUCTS

2.1 MATERIALS

- A. Electrical Outlets: Properly configured, NEMA-polarized outlets to prevent insertion of 110- to 120-V plugs into higher-voltage outlets; equipped with ground-fault circuit interrupters, reset button, and pilot light.
- B. Power Distribution System Circuits: Where permitted and overhead and exposed for surveillance, wiring circuits, not exceeding 125-V ac, 20-A rating, and lighting circuits may be nonmetallic sheathed cable.
- C. Main panelboard with disconnect.
- D. Temporary lighting.
- E. 120 volt receptacles with overcurrent protection.
- F. Enclosures: NEMA AB 1 and NEMA KS 1 to meet environmental conditons of installed location.
- Outdoor Locations: NEMA 250, Type 3R.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Electric Power Service: Provide weatherproof, grounded electric power service and distribution system of sufficient size, capacity, and power characteristics during construction period. Include meters, transformers, and overload-protected disconnecting means.
- Install power distribution wiring overhead and rise vertically where least exposed to damage.
- B. Electric Distribution: Provide receptacle outlets adequate for connection of power tools and equipment.
- Provide waterproof connectors to connect separate lengths of electrical power cords if single lengths will not reach areas where construction activities are in progress. Do not exceed safe length-voltage ratio.
 - Provide metal conduit, tubing, or metallic cable for wiring exposed to possible damage. Provide rigid steel conduits for wiring exposed on grades, floors, decks, or other traffic areas.
 - Provide metal conduit enclosures or boxes for wiring devices.
 - Provide 4-gang outlets, spaced so 1 DO-foot (30-m) extension cord can reach each area for power hand tools and task lighting. Provide a separate 125-V ac, 20-A circuit for each outlet.
- C. Lighting: Provide temporary lighting with local switching that provides adequate illumination for construction operations and traffic conditions.
- Install and operate temporary lighting that fulfills security and protection requirements without operating entire system.
 - Provide one 100-W incandescent lamp (or equivalent) every 50 feet (15 m) in traffic areas.
 - Install exterior-yard site lighting that will provide adequate illumination for construction operations, parking and traffic conditions, and signage visibility when the Work is being performed.

END OF SECTION 16011

SECTION 16060 - GROUNDING AND BONDING

PART 1 - GENERAL

1.1 SUMMARY

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

1.2 QUALITY ASSURANCE

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

PART 2 - PRODUCTS

2.1 GROUNDING CONDUCTORS

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

2.2 CONNECTOR PRODUCTS

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

PART 3 - EXECUTION

3.1 APPLICATION

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

3.2 EQUIPMENT GROUNDING CONDUCTORS

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

3.3 INSTALLATION

- A. Grounding Conductors: Route along shortest and straightest paths possible, unless otherwise indicated. Avoid obstructing access or placing conductors where they may be subjected to strain, impact, or damage.

3.4 CONNECTIONS

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

END OF SECTION 16060

SECTION 16100 - WIRING METHODS

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

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

PART 2 - PRODUCTS

2.1 WIRES AND CABLES

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

2.2 RACEWAYS

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

2.3 ENCLOSURES

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

PART 3 - EXECUTION

3.1 INSTALLATION

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

3.2 IDENTIFICATION MATERIALS AND DEVICES

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

	120/208V	277/480V
1. Phase A:	Black	Brown
2. Phase B:	Red	Orange
3. Phase C:	Blue	Yellow
4. Neutral:	White	Gray
5. Ground:	Green	Green

END OF SECTION 16100

SECTION 16140 - WIRING DEVICES

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

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

PART 2 - PRODUCTS

2.1 DEVICES

- A. General: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction.
- B. Color: Per Material Schedule on sheet E010.
- C. Receptacles: Heavy-Duty grade, NEMA WD6, Configuration 5-20R unless otherwise indicated.
- D. Ground-Fault Circuit Interrupter Receptacles: integral duplex receptacle; for installation in box without an adapter. Feed-through type, with a 2-3/4-inch- deep outlet
- E. Isolated-Ground Receptacles: Equipment grounding contacts connected only to the green grounding screw terminal of the device with inherent electrical isolation from mounting strap.
- F. Snap Switches: Heavy-duty, quiet type.
- G. Wall Plate: Per Material Schedule on sheet E010.
- H. Floor Service Fittings: Modular, above-floor, dual-service units suitable for wiring method used.

PART 3 - EXECUTION

3.1 INSTALLATION

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

END OF SECTION 16140

SECTION 16442 - PANELBOARDS

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

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

PART 2 - PRODUCTS

2.1 PANELBOARDS AND LOAD CENTERS

- A. Manufacturers: Subject to compliance with requirement, provide products by one of the following:

- Panelboards, Overcurrent Protective Devices, Controllers, Contactors, and Accessories:
 - Square D Co.
 - Eaton Corp.; Cutler-Hammer Products.
 - General Electric Co.; Electrical Distribution & Control Div.
 - Siemens Energy & Automation.

B. Recessed, NEMA PB 1, Type 1.

- Load Center Capacity: as shown on drawings.
- Front: Secured to box with concealed trim clamps.
- Doors: With concealed hinges, flush catches, and tumbler locks, all keyed alike.
- Bus: Hard drawn copper of 98 percent conductivity.

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

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

PART 3 - EXECUTION

3.1 INSTALLATION

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

END OF SECTION 16442

SECTION 16500 - LIGHTING

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

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

PART 2 - PRODUCTS

2.1 FIXTURES AND FIXTURE COMPONENTS, GENERAL

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

PART 3 - EXECUTION

3.1 INSTALLATION

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

END OF SECTION 16500

ELECTRICAL SYMBOLS

	CONDUIT CONCEALED ABOVE THE CEILING, IN A WALL, OR IN A RACEWAY
	CONDUIT CONCEALED BELOW THE SLAB
	HOME-RUN TO PANELBOARD AND CIRCUIT NUMBER SHOWN
	PLAN NOTE: SEE PLAN NOTES LISTED ON THE SAME SHEET FOR NOTE MEANING
	DISCONNECT SWITCH: X = SWITCH RATING Y = FUSE SIZE (NF = NON-FUSED) Z = NUMBER OF POLES
	JUNCTION BOX
	ELECTRIC PANELBOARD
	GENERAL PURPOSE 1-POLE SWITCH
	MANUAL STARTER WITH PILOT LIGHT
	NEMA 5-20R 1-PLEX RECEPTACLE
	NEMA 5-20R DUPLEX RECEPTACLE
	NEMA 5-20R DOUBLE-DUPLEX RECEPTACLES
	NEMA 5-20R DUPLEX COMBINATION ISOLATED GROUND/GFI RECEPTACLE PASS & SEYMOUR MODEL#20951GTRGRY (GRAY)
	OTHER RECEPTACLE - SEE PLAN FOR RATING AND TYPE
	JUNCTION BOX FOR RJ-45 DATA OUTLETS. PROVIDE 1" CONDUIT WITH PULL STRING FROM J-BOX TO ABOVE OFFICE CEILING. TERMINATE CONDUIT WITH CONDUIT BUSHING.
	DOUBLE GANG JUNCTION BOX FOR RJ-45 DATA OUTLETS. PROVIDE 1" CONDUIT WITH PULL STRING FROM J-BOX TO ABOVE OFFICE CEILING. TERMINATE CONDUIT WITH CONDUIT BUSHING.
	SECURITY SYSTEM KEYPAD: SEE ELECTRICAL POWER PLAN FOR MORE INFORMATION.
	SECURITY SYSTEM DOOR CONTACT: SEE ELECTRICAL POWER PLAN FOR MORE INFORMATION.

ELECTRICAL MATERIAL SCHEDULE

CATEGORY	APPLICATION	ALLOWABLE MATERIAL
CONDUCTORS	#10 AWG AND SMALLER	SOLID CU, TYPE THHN/THWN OR XHHW
	#8 AWG AND LARGER	STRANDED CU, TYPE THHN/THWN OR XHHW
	FIELD-MADE CORD (EXPOSED INDOOR LOCATIONS)	TYPE SO OR SJO SERVICE CORD WITH CU CONDUCTORS
CONDUITS	INDOOR, EXPOSED	ELECTRICAL METALLIC TUBING U.N.O.
	INDOOR, WITHIN 1-1/2" OF ROOF DECK	INTERMEDIATE METAL CONDUIT
	INDOOR, CONCEALED ABOVE GRADE	ELECTRICAL METALLIC TUBING, FLEXIBLE METAL CONDUIT, OR METAL CLAD CABLE
	CONNECTION TO VIBRATING EQUIPMENT (EXPOSED WET OR DAMP LOCATIONS)	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
	CONNECTION TO VIBRATING EQUIPMENT (EXPOSED INDOOR DRY LOCATIONS)	FLEXIBLE METAL CONDUIT
	OUTDOOR, ABOVE GRADE, EXPOSED OR CONCEALED	INTERMEDIATE METAL CONDUIT
	LOW VOLTAGE, INDOOR, ABOVE GRADE	ELECTRICAL METALLIC TUBING
	LOW OR LINE VOLTAGE, BELOW GRADE	RIGID NONMETALLIC CONDUIT (SCHEDULE 40 PVC)
WIRING DEVICES	IN KITCHEN, OFFICE, OR NON-PUBLIC SPACES	GRAY DEVICE WITH STAINLESS STEEL COVER PLATE
	IG OR IG/GFI RECEPTACLES	GRAY DEVICE WITH STAINLESS STEEL COVER PLATE
	ON DRYWALL IN DINING ROOM	WHITE DEVICE WITH WHITE COVER PLATE
	ON HOT ROLLED STEEL, RICHLITE, OR OTHER BLACK FINISHES	BLACK DEVICE WITH BLACK COVER PLATE
	IN RESTROOMS	WHITE DEVICE WITH WHITE COVER PLATE

ELECTRICAL GENERAL NOTES

- A. GENERAL NOTES APPLY TO ELECTRICAL SHEETS.
- B. ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE ELECTRICAL CODE AND IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTION. SEE ARCHITECTURAL SHEETS FOR THE PREVAILING CODES.
- C. WIRING SHALL BE (2)#12, #12 G IN 3/4" C UNLESS NOTED OTHERWISE.
- D. INDIVIDUAL CONDUIT HOME RUNS SHOWN SHALL NOT BE CONSOLIDATED.
- E. CIRCUIT EMERGENCY LIGHTS, ILLUMINATED EXIT SIGNS, AND NIGHT LIGHTS AHEAD OF LOCAL SWITCHING.
- F. INSTALL WALL SWITCHES AT 48" AFF TO CENTER OF SWITCH AND RECEPTACLES AT 18" AFF TO CENTER OF RECEPTACLE UNLESS NOTED OTHERWISE.
- G. INSTALL CONDUIT CONCEALED ABOVE THE CEILING, IN WALLS, OR IN RACEWAYS.
- H. PROVIDE 1" CONDUIT WITH PULL STRING FROM EACH J-BOX FOR TELEPHONE OR DATA JACKS TO ABOVE OFFICE CEILING. SEE MATERIAL SCHEDULE FOR ALLOWABLE CONDUIT MATERIALS. PROVIDE CONDUITS WITH MINIMAL ELBOWS AND TERMINATE CONDUITS ABOVE OFFICE CEILING WITH CONDUIT BUSHING.
- I. THE TERM "FURNISH" 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.
- J. DIMENSIONS SHOWN IN ELECTRICAL ELEVATIONS ARE FROM THE WALL FRAMING UNLESS NOTED OTHERWISE.
- K. INSTALL LABELING CALLED FOR IN THE ELECTRICAL DRAWINGS USING ENGRAVED PHENOLIC PLATES ON WALL IMMEDIATELY ABOVE RECEPTACLES.
- L. IF THERE ARE RATED ASSEMBLIES WITHIN CHIPOTLE'S SPACE COORDINATE ANY REQUIRED CONDUIT RUNS WITH SECURITY VENDOR.

ELECTRICAL ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
C	CONDUIT
(E)	EXISTING
EXT'G	EXISTING
G	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPT
IG	ISOLATED GROUND
JB	JUNCTION BOX
NL	NIGHT LIGHT
S	SURFACE MOUNTED
WP	WEATHERPROOF
CO2AS	TENANT'S CO2 ALARM SUPPLIER
GC	GENERAL CONTRACTOR
HES	TENANT'S HVAC EQUIPMENT SUPPLIER
HS	TENANT'S HOOD SUPPLIER
KES	TENANT'S KITCHEN EQUIPMENT SUPPLIER
LL	LANDLORD
MSS	TENANT'S MUSIC SYSTEMS SUPPLIER
TAB	TENANT'S TEST AND BALANCE VENDOR
TCC	TENANT'S CABLING CONTRACTOR
TOC	TENANT'S DUCT CLEANER
TEMS	TENANT'S ENERGY MANAGEMENT SYSTEM SUPPLIER
TLS	TENANT'S LIGHT/LAMP SUPPLIER
TMB	TENANT'S MENU BOARD SUPPLIER
TMS	TENANT'S MILLWORK SUPPLIER
TP	TENANT'S PHONE SUPPLIER
TPS	TENANT'S PANELBOARD SUPPLIER
TRS	TENANT'S RAILING SUPPLIER
TSV	TENANT'S SIGN VENDOR
TUV	TENANT'S UV SANITIZER SUPPLIER
WCS	TENANT'S WALK-IN COOLER SUPPLIER
WHS	TENANT'S WATER HEATER SUPPLIER

Consultant:



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7021 NC-751 HIGHWAY #903
DURHAM, NC 27707

Issue Record:	HEALTH SUBMITTAL
04/29/2024	PERMIT SET
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Project No.

2401086

Contents:

ELECTRICAL SPECIFICATIONS

E010

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				N/A	SINGLE POLE (NC)
R4	A	30	DINING ROOM A	TIMECLOCK	10:00:00 AM	12:00:00 AM	N/A	SINGLE POLE (NC)
R5	A	30	DINING ROOM B	TIMECLOCK	10:00:00 AM	12:00:00 AM	N/A	SINGLE POLE (NC)
R6			SPARE				N/A	SINGLE POLE (NC)
R7	A	28	RESTROOM EXHAUST FAN	TIMECLOCK	7:00:00 AM	12:00:00 AM	N/A	SINGLE POLE (NC)
R8	A	40	EXT. LIGHTING/SIGNAGE	TIMECLOCK	SUNSET - 1 HR	12:00:00 AM	N/A	SINGLE POLE (NC)

LIGHTING CONTROL COMPONENTS SCHEDULE

	DESCRIPTION	QUANTITY	FURNISHED	INSTALLED	MANUFACTURER	MODEL	REMARKS
LCP	nLIGHT LIGHTING CONTROL PANEL	1	TLS	GC	ACUITY	ARP INTENC08 NLT 8FCR nVOLT HLK FM DTC CPTLE1	8 RELAY PANEL FOR DIMMING CONTROL WITH FLUSH MOUNT ENCLOSURE, AND DIGITAL TIME CLOCK
\$C	WALL-MOUNTED OVERRIDE SWITCH (4 CHANNEL)	1	TLS	GC	ACUITY	nPODMA 4P WH	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	3	TLS	GC	HUBBELL	LHMTS 1-N-WH	WHITE DUAL TECHNOLOGY SINGLE RELAY WITH 1 BUTTON AND NEUTRAL WIRING

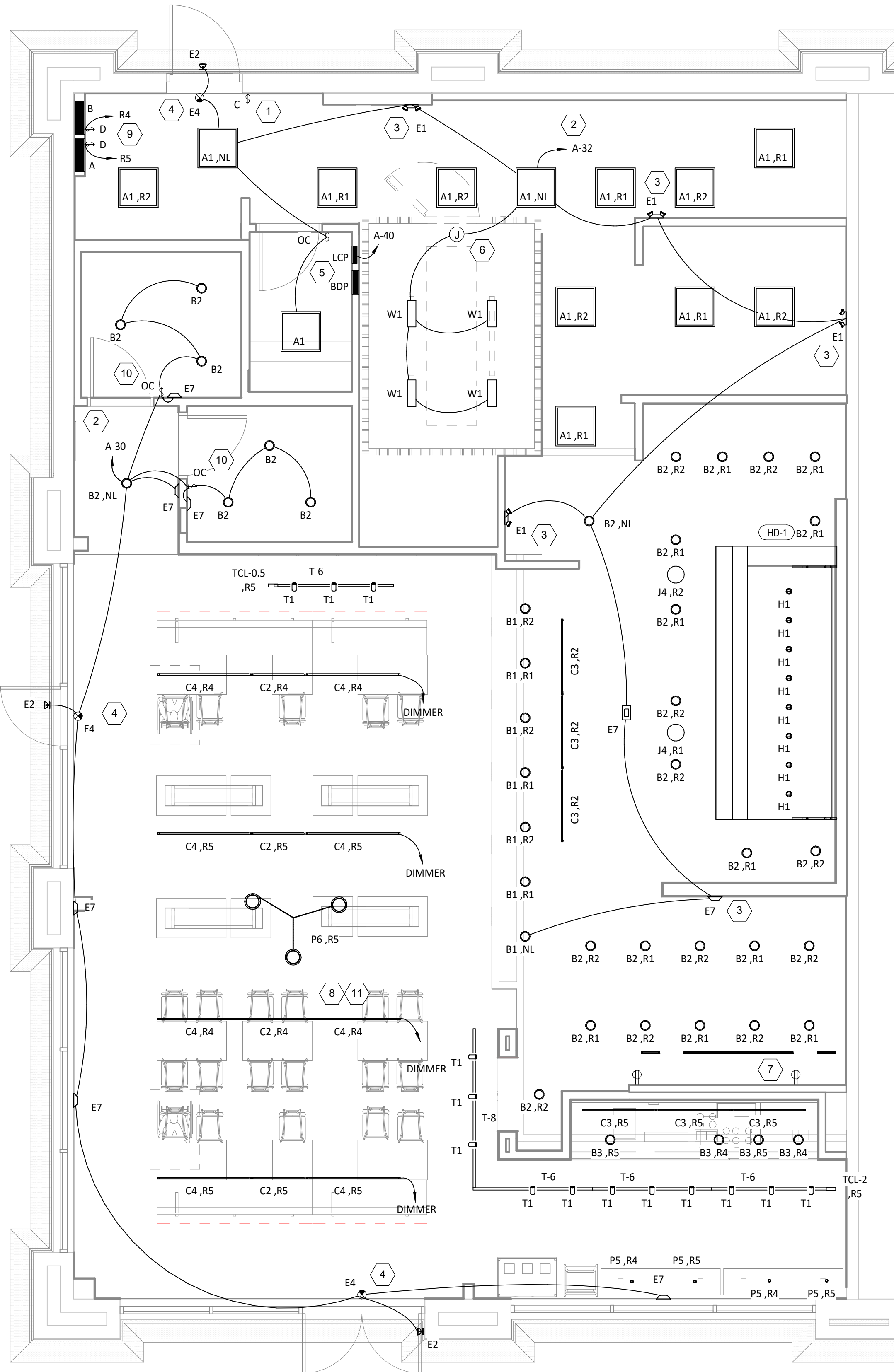
LIGHTING FIXTURE SCHEDULE

TAG	QUANTITY	TYPE	MOUNT	FURNISHED	INSTALLED	MANUFACTURER	MODEL	LAMP(S)	VOLTS	WATTS	SPECIAL REQUIREMENTS
A1	13	2x2 LED LENSED TROFFER	LAY-IN	TLS	GC	NORA LIGHTING	NPDBL-E22/334 W	(1) 3000K LED	120	30	COMPATIBLE WITH 0-10V DIMMING, FACTORY LOCKED TO 3000K
B1	7	RECESSED 6IN CAN LIGHT	CEILING	TLS	GC	NORA LIGHTING	NHIC-6G24ATFL with NTM-57W/M1 Trim	(1) 17W ECOSTORY ECO-PAR38C-17-GU24-27K-25D LED (25"-2700K) W/ GU 24 BASE	120	17	
B2	30	RECESSED 6IN CAN LIGHT W/ LED TRIM	CEILING	TLS	GC	NORA LIGHTING	NHIC-6G24ATFL WITH NLCBC-65130WW LED TRIM	INTEGRAL 3000K LED	120	17	LED TRIM FURNISHED WITH GU24 SOCKET ADAPTER
B3	4	RECESSED 6IN CAN LIGHT W/ BLACK LED TRIM	CEILING	TLS	GC	NORA LIGHTING	NHIC-6G24ATFL WITH NLCBC2-65127BB LED TRIM	INTEGRAL 3000K LED	120	12	BLACK LED TRIM FURNISHED WITH GU24 SOCKET ADAPTER
C0	2	LOW PROFILE LED - 1 FT	SURFACE	TLS	GC	HERA LIGHTING	EL/LED/12/WW	INTEGRAL 3000K LED	120	5	FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWIRE BOX OR CORD/PLUG PER SECTION
C2	6	LOW PROFILE LED - 3 FT	SURFACE	TLS	GC	HERA LIGHTING	EL/LED/34/WW	INTEGRAL 3000K LED	120	12	FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWIRE BOX OR CORD/PLUG PER SECTION
C3	6	LOW PROFILE LED - 4 FT	SURFACE	TLS	GC	HERA LIGHTING	EL/LED/46/WW	INTEGRAL 3000K LED	120	15	FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWIRE BOX OR CORD/PLUG PER SECTION
C4	8	LOW PROFILE LED - 5 FT	SURFACE	TLS	GC	HERA LIGHTING	EL/LED/59/WW	INTEGRAL 3000K LED	120	18	FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWIRE BOX OR CORD/PLUG PER SECTION
E1	4	EMERGENCY LIGHT - DUAL HEAD	VARIOUS	TLS	GC	EXITRONIX	LED-90	(2) SPECIAL LED	120	2	90 MINUTE BATTERY BACKUP
E2	3	EXTERIOR REMOTE EMERGENCY LIGHT	VARIOUS	TLS	GC	EXITRONIX	MLED1-B-WP	(1) SPECIAL LED	4	1	LOW VOLTAGE REMOTE EMERGENCY LIGHT POWERED BY REMOTE-CAPABLE EXIT SIGN WITH MOUNTING PLATE
E4	3	WHITE EXIT SIGN WITH EMERGENCY LIGHT - STANDARD RED LETTERS	VARIOUS	TLS	GC	EXITRONIX	CLED-U-WH	(1) SPECIAL LED	120	2	90 MINUTE BATTERY BACKUP WITH INTEGRAL EMERGENCY LIGHT, REMOTE HEAD CAPABLE
E7	8	EMERGENCY LIGHT	VARIOUS	TLS	GC	DUAL-LITE	EV2	(2) 1W INTEGRAL LED	120	1	90 MINUTE BATTERY BACKUP
H1	8	HOOD LIGHT	SURFACE	THS/TLS	THS	VAPOR PROOF LIGHT FIXTURE FURNISHED WITH HOOD		(1) TCP L16A19N1527K	120	23	INSTALL LAMP FURNISHED SEPARATELY BY LIGHTING SUPPLIER
J4	2	DECORATIVE PENDANT	SURFACE	TLS	GC	BARNLIGHT	BLE-C-BRN-100-ASH-SBK-10 0-NA-GU24	GREEN CREATIVE 9A19DIM/927/GU24/R 0-NA-GU24	120	9	WITH BLACK LAMP SHADE, BLACK CORD, AND OAK LAMPHOLDER
P5	4	PENDANT	SURFACE	TLS	GC	HI-LITE MFG	H-LC-91/CB12-91/20W LBL	TCP FG25D4027CCQ	120	5	ADJUST CORD LENGTH FOR MOUNTING HEIGHT CALLED FOR IN ARCHITECTURAL DRAWINGS
P6	1	DECORATIVE DINING ROOM PENDANT	SURFACE	TLS	GC	BARN LIGHT	BLE-C-JGT-133-35630-3	INTEGRAL LED	120	30	HARDWIRED SET OF (3) HEADS WITH UNIVERSAL CANOPY AND STANDARD BLACK CABLES
T1	14	TRACK HEAD	TRACK	TLS	GC	JUNO	B605L 30K 90CRI PDIM WFL BL	INTEGRAL LED	120	10	BLACK CYLINDER TRACK HEAD W/ UNIVERSAL 120V TRAC ADAPTER AND WIDE FLOOD BEAM
T-6	4	TRACK (6 FEET)	SURFACE	TLS	GC	JUNO	T 6FT BK	N/A	120	0	SINGLE CIRCUIT, BLACK FINISH
T-8	1	TRACK (8 FEET)	SURFACE	TLS	GC	JUNO	T 8FT BK	N/A	120	0	SINGLE CIRCUIT, BLACK FINISH
TCL-0.5	1	CURRENT LIMITER (60W)	SURFACE	TLS	GC	JUNO	TCLFM11 BL W/ TCLCB 0.5A BLACK	N/A	120	0	BLACK CURRENT LIMITING END FEED
TCL-2	1	CURRENT LIMITER (240W)	SURFACE	TLS	GC	JUNO	TCLFM11 BL W/ TCLCB 2A BLACK	N/A	120	0	BLACK CURRENT LIMITING END FEED
W1	4	WIC LED FIXTURE	SURFACE	WCS	GC	FURNISHED WITH WIC	FURNISHED WITH WIC	INTEGRAL LED	120	29	WET-RATED COOLER FIXTURE

- LIGHTING FIXTURE SCHEDULE NOTES**
A. FLUORESCENT LAMPS NOT INCLUDED WITH THE FIXTURE ARE TO BE MANUFACTURED BY SYLVANIA UNLESS OTHERWISE NOTED. PHILIPS FLUORESCENT LAMPS WILL BE AN ACCEPTABLE ALTERNATE.
B. SEE THE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LIGHT LOCATIONS.
C. SEE THE ARCHITECTURAL LIGHTING DETAILS FOR FIXTURE CONSTRUCTION DETAILS.

ELECTRICAL LIGHTING PLAN NOTES

- 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 LIGHTING CONTROL SYSTEM PER DETAIL 6/E710.
- 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.
- PROVIDE (2) GFCI RECEPTACLES FOR UNDERSHELF LIGHTING AS SHOWN. CONNECT TO SWITCHED LEG OF THE KITCHEN LIGHTING CIRCUIT. SEE ELEVATIONS ON SHEET E700 FOR RECEPTACLE LOCATIONS, HEIGHTS, AND CIRCUITING. INSTALL RECEPTACLES IN A HORIZONTAL ORIENTATION.
- PROVIDE UNISTRUT AS SHOWN ON THE ARCHITECTURAL RCP PER THE ARCHITECTURAL UNISTRUT DETAIL. TYPICAL.
- INSTALL WALL-MOUNTED DIMMERS ABOVE PANELBOARDS 6" ABOVE LAY-IN CEILING FOR CONTROL OF DINING ROOM OVERHEAD STRIP LED LIGHTS. CONNECT DIMMERS TO RELAYS SHOWN THROUGH THE LIGHTING CONTROL PANEL. SET DIMMERS AT 50%.
- 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.
- CONNECT DINING ROOM (RELAY CIRCUITS R4, R5) OVERHEAD STRIP LED LIGHTS TO THE RELAY INDICATED THROUGH THE CORRESPONDING WALL-MOUNTED DIMMER INSTALLED ABOVE THE PANELBOARDS.




1
E100
1/4" = 1'-0"
LIGHTING FLOOR PLAN

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ELECTRICAL
LIGHTING PLAN

E100

ELECTRICAL POWER PLAN NOTES

- 2

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 J-BOX FOR THE KITCHEN EXHAUST SUPPRESSION SYSTEM PULL STATION. PROVIDE A 1/2" CONDUIT FROM THE J-BOX TO 6" ABOVE THE CEILING AND TERMINATE WITH A CONDUIT BUSHING. COORDINATE EXACT LOCATION WITH THE KITCHEN EXHAUST SUPPRESSION SYSTEM INSTALLER AND THE FIRE MARSHALL PRIOR TO ROUGH-IN.
- 6

HOOD CONTROL PANEL AND KITCHEN EXHAUST SUPPRESSION SYSTEM CABINET SHALL BE LOCATED WITHIN THE INTEGRAL HOOD UTILITY CABINET. PROVIDE FINAL ELECTRICAL CONNECTIONS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
- 2

7 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.
- 8

PROVIDE AN EMPTY SINGLE GANG J-BOX FOR VOLUME CONTROLS. INSTALL 16/2 SPEAKER WIRE FURNISHED BY MSS FROM THE J-BOX TO THE AMPLIFIER IN THE OFFICE WITH 3 FEET OF SLACK AT EACH END.
- 9

COORDINATE DATA/POWER RECEPTACLE MOUNTING REQUIREMENTS WITH THE CASE WORK INSTALLER PRIOR TO ROUGH-IN.
- 10

PROVIDE ROUGH-IN FOR LAUNCHPORT AS NOTED. LAUNCHPORT WILL BE FURNISHED AND INSTALLED BY CHIPOTLE WITH THE WALLSTATION AT 62" AFF. PROVIDE A 4" X 2-1/8" DEEP OCTAGON J-BOX WITH 1-1/2" EXTENSION RING AT 62" AFF FOR THE WALLSTATION INSTALLATION WITH A 1" CONDUIT WITH PULL STRING FROM THE J-BOX TO ABOVE THE OFFICE CEILING.
- 11

PROVIDE (2) EMPTY 2" CONDUITS WITH PULL STRINGS FROM THE BASE BUILDING'S TELEPHONE AND DATA SERVICE ENTRANCE LOCATIONS TO THE SPACE ABOVE THE OFFICE CEILING. TERMINATE WITH CONDUIT BUSHING.
- 12

PROVIDE A SUITABLE LENGTH OF LIQUID-TIGHT CONDUIT TO THE EXHAUST FAN EF-1 TO ALLOW THE EXHAUST FAN TO HINGE COMPLETELY OPEN WHEN THE VIROGUARD SYSTEM IS INSTALLED.
- 13

AFTER THE FAX LINE, POS, AND OFFICE EQUIPMENT IS INSTALLED PROVIDE CHILDPROOF RECEPTACLE COVERS ON UNUSED IG RECEPTACLES AT THE FAX LINE, POS, AND OFFICE.
- 14

PROVIDE ONE PHASE, ONE NEUTRAL, AND ONE GROUND CONDUCTOR FROM THE ICE MAKER TO THE REMOTE CONDENSING UNIT.
- 15

UNIT SHALL HAVE AN INTEGRAL NON-FUSED DISCONNECT SWITCH.
- 2

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 B8B14210A 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 A NEMA 5-20P FLANGED INLET (LEVITON MODEL #15378-C) AND A SINGLE NEMA 5-20R RECEPTACLE IN OFFICE FOR CONNECTION TO A CENTRAL UPS SYSTEM. CONNECT THE FLANGED INLET AND THE SINGLE RECEPTACLE TO THE TERMINAL BLOCK IN THE BDP PER THE MANUFACTURER'S INSTRUCTIONS. PROVIDE FINAL CONNECTION FROM FLANGED INLET TO THE OUTPUT OF THE UPS USING A 2'-LONG 20A EXTENSION CORD. PLUG THE UPS INTO THE SINGLE RECEPTACLE.
- 25

CONNECT RESTROOM EXHAUST FAN TO CIRCUIT SHOWN THROUGH THE LIGHTING CONTROL PANEL (LCP).
- 26

INSTALL 16/2 SPEAKER WIRE FURNISHED BY MSS. INSTALL SPEAKER WIRE BETWEEN SPEAKERS IN THE DINING ROOM AS SHOWN TO THE VOLUME CONTROL IN THE KITCHEN WITH 3 FEET OF SLACK AT EACH END. SEE ARCHITECTURAL PLANS FOR SPEAKER LOCATIONS. ADJUST EACH SPEAKER 70V TAP SETTING TO BE 15 WATTS.
- 27

PROVIDE POWER CONNECTIONS TO ISLAND PREP TABLE PER DETAIL 2/E710. PROVIDE GFCI DUPLEX RECEPTACLES IN THREE J-BOXES INTEGRAL TO PREP TABLES (FOR UNDERCOUNTER REFRIGERATOR, 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.
- 2

31 PROVIDE RECEPTACLE FOR RESTROOM HAND SINK FAUCET AS SHOWN IN DETAIL 14/P700.
- 32

PROVIDE A HORIZONTAL SINGLE-GANG J-BOX FOR DATA JACK AS SHOWN FOR KRONOS TIME CLOCK.
- 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

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.
- 35

IF NEUTRAL CONDUCTOR IS NOT NEEDED FOR SERVE LINE HOT FOOD SERVER TERMINATE NEUTRAL IN JUNCTION BOX.
- 36

LABEL UTENSIL COUNTER RECEPTACLES "TRACTOR BEVERAGE", "ICE MAKER/IMSB", AND "SODA FOUNTAIN".
- 37

LABEL RECEPTACLE "UV INSECT TRAP".
- 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 REME HALO USING THE INCLUDED BARREL PLUG.
- 39

PROVIDE (2) 10"x10"x4" JUNCTION BOXES (J-BOX #1/J-BOX #2) ON THE WALL ABOVE PANELBOARDS 6" BELOW THE LAY-IN CEILING AND MOUNTED ADJACENT TO EACH. PROVIDE CONDUITS AND WIRING SHOWN IN DETAIL 8/E710. TEMS SHALL PROVIDE GRIDPOINT 3 PHASE METER AND TRANSFORMER WITHIN J-BOX #1 AND GRIDPOINT IOM/HUB WITHIN J-BOX #2. SEE GRIDPOINT INSTALLATION SHEET FOR DETAILS.
- 40

PROVIDE HORIZONTAL SINGLE-GANG J-BOX BELOW FUTURE GRIDPOINT CONTROLLER LOCATION. PROVIDE CONDUITS AND WIRING AS SHOWN IN DETAIL 8/E710.
- 41

INSTALL WIRED DOOR BUZZER AT 96" AFF. SEE ARCHITECTURAL DOOR EQUIPMENT FOR EQUIPMENT INFORMATION. CONNECT TO CIRCUIT SHOWN THROUGH THE TRANSFORMER FURNISHED WITH THE DOOR BUZZER. PROVIDE WIRING TO A BUTTON ADJACENT TO THE SERVICE DOOR AND CONNECT PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 42

CONNECT BATHROOM SANITIZER TO CIRCUIT SHOWN SO THAT IT IS ENERGIZED AT ALL TIMES.
- 43

PROVIDE POWER AND LOW VOLTAGE CONNECTIONS TO DISH SANITIZING MACHINE PER DETAIL 7/E710. CONNECT THE DETERGENT DISPENSER TO THE DISH MACHINE USING THE INCLUDED WIRING HARNESS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 44

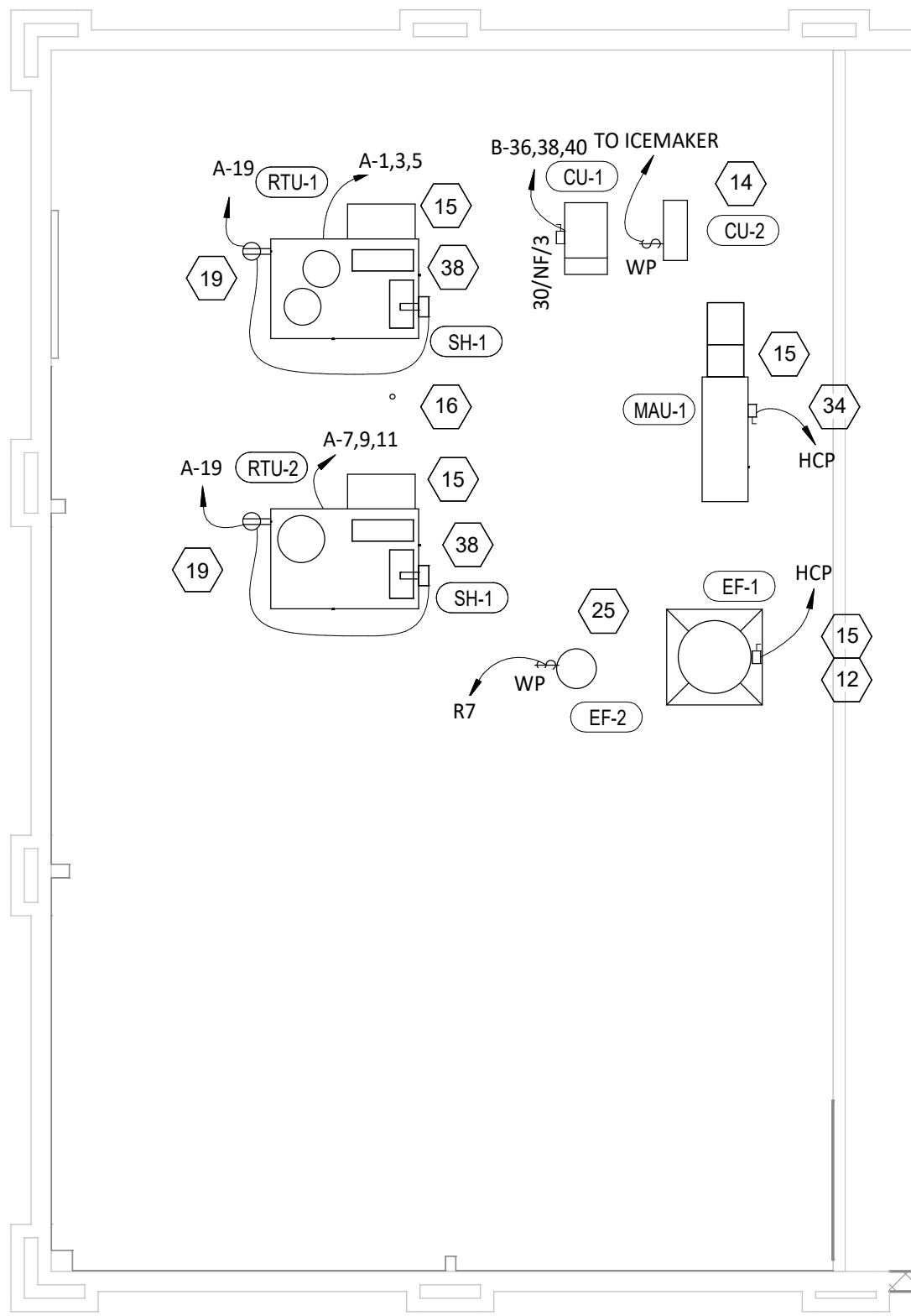
PROVIDE RECEPTACLE FOR 2-DOOR AND/OR 1-DOOR REFRIGERATOR WITH GROUND PINS TOWARDS THE BOTTOM OF THE RECEPTACLE.
- 45

PROVIDE ISLAND PREP TABLE FOOD WARMER RECEPTACLE WITH GROUND PIN TOWARDS THE BOTTOM OF THE RECEPTACLE.
- 46

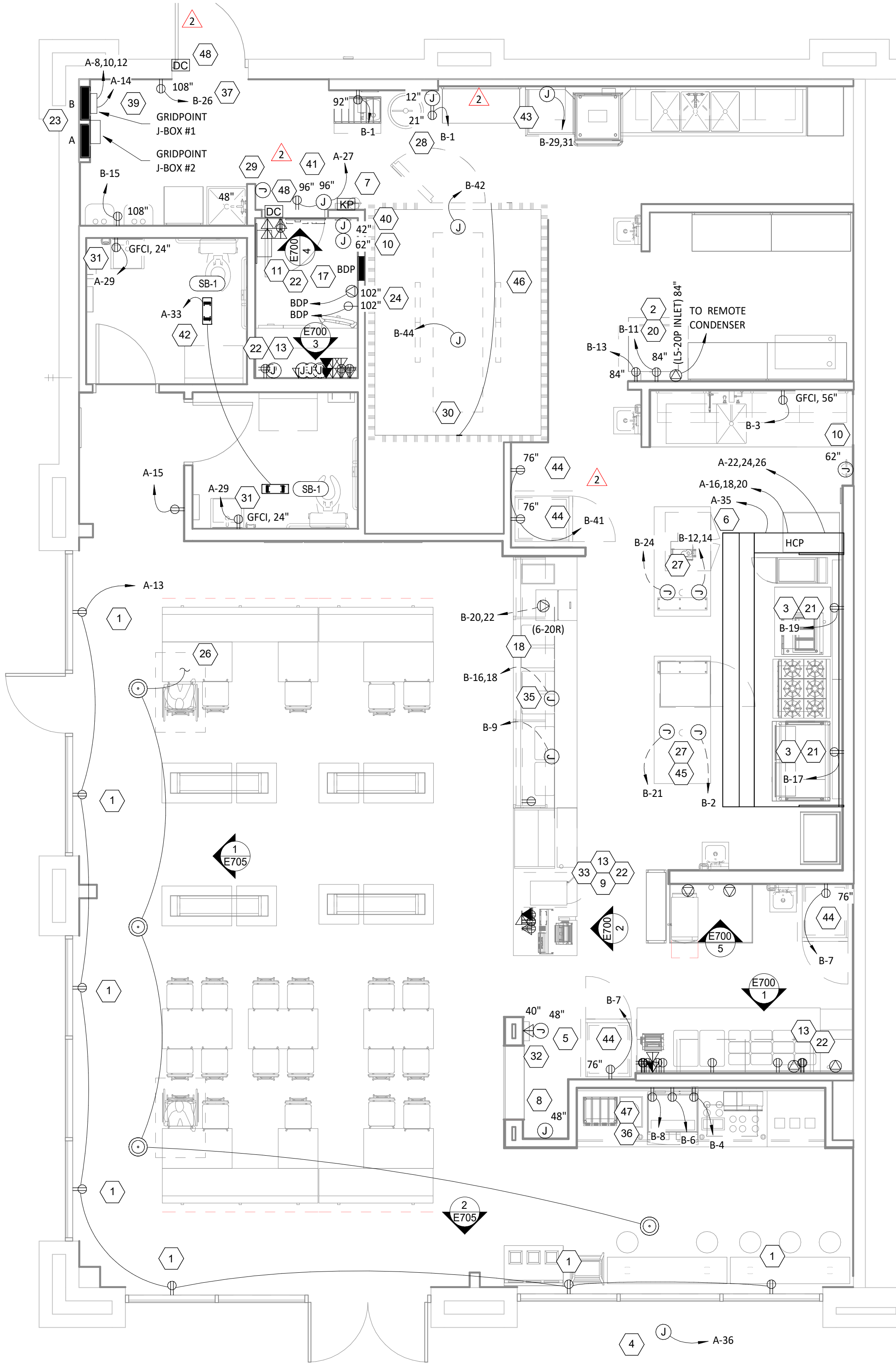
SEAL INTERIOR AND EXTERIOR OF CONDUITS THAT PASS THROUGH THE WALK-IN COOLER ENVELOPE PER THE NEC.
- 47

PROVIDE CORD AND NEMA 5-20P PLUG FROM UTENSIL COUNTER ICE MAKER, THROUGH UTENSIL COUNTER, TO ICE MAKER RECEPTACLE.
- 2

48 PROVIDE A RECESSED SINGLE-GANG J-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



2
E110
1/8" = 1'-0"



1
E110
1/4" = 1'-0"

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ELECTRICAL POWER
PLAN

E110

Panel Name: BDP		Volts: 120			
Mounting: Recessed		Phases: 1		Mains: LUGS	
Enclosure: Type 1		Wires: 2		Amperage: 20 A	
CKT	Circuit Description		Trip	Poles	Load
1	POS		15 A	1	0.2 kVA
2	DML - POS		15 A	1	0.2 kVA
3	DML - ORDERING SYSTEM		15 A	1	0.7 kVA
4	OFFICE - SECURITY SYSTEM		15 A	1	0.2 kVA
5	OFFICE - COMPUTER		15 A	1	0.4 kVA
6	OFFICE - DVR/ISP		15 A	1	0.4 kVA
				Total Load:	2.0 kVA
				Total Amps:	17 A

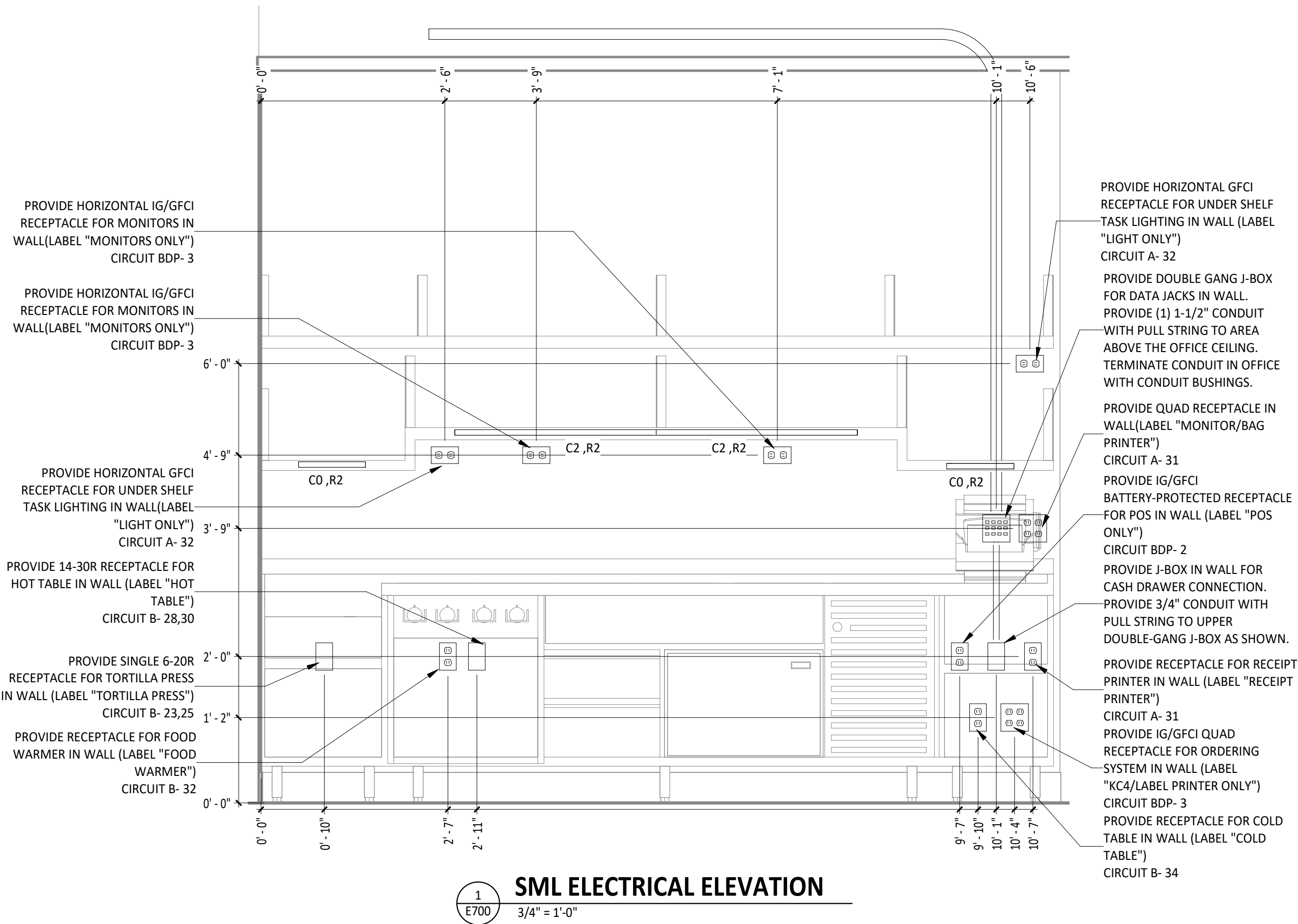
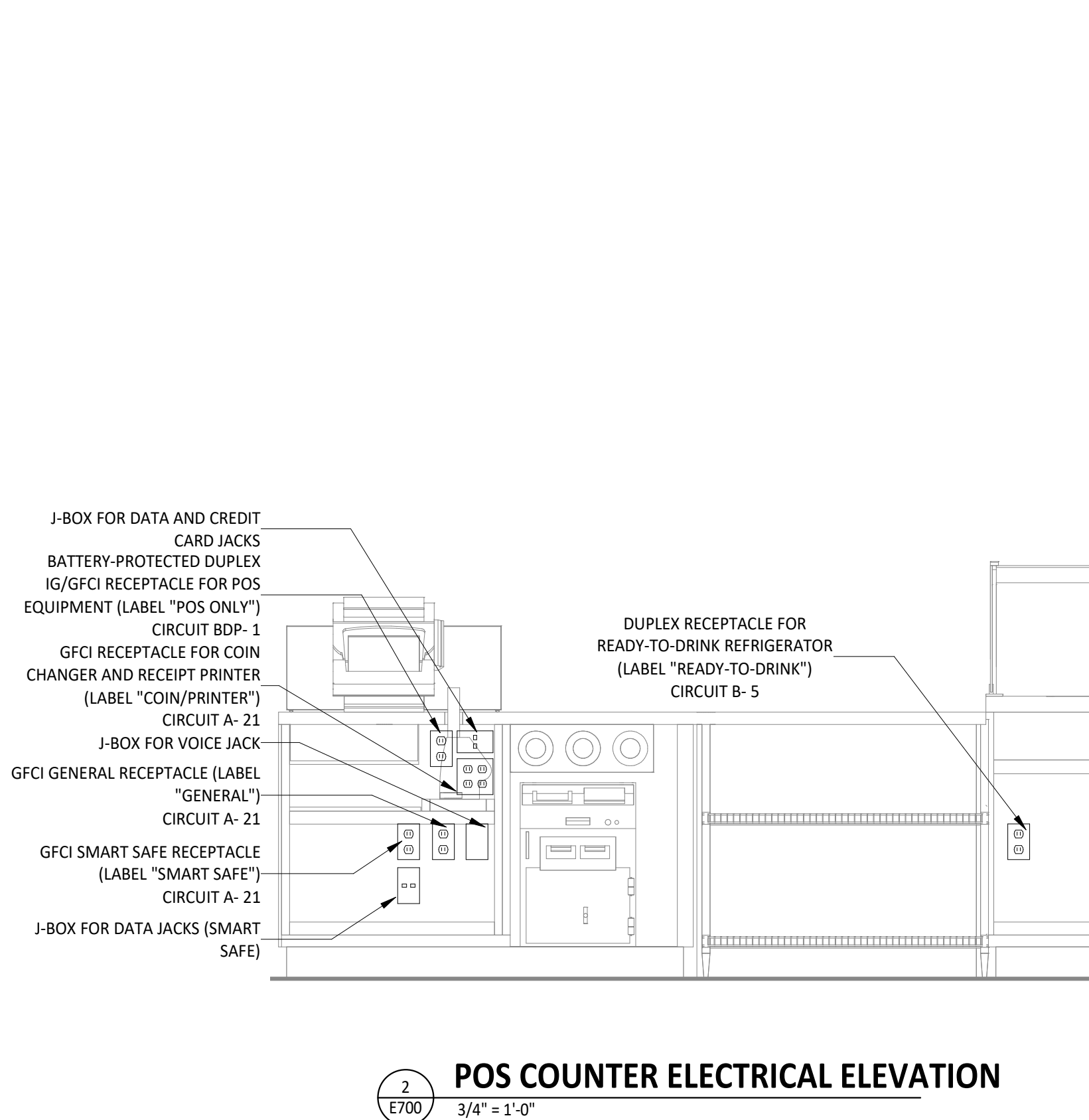
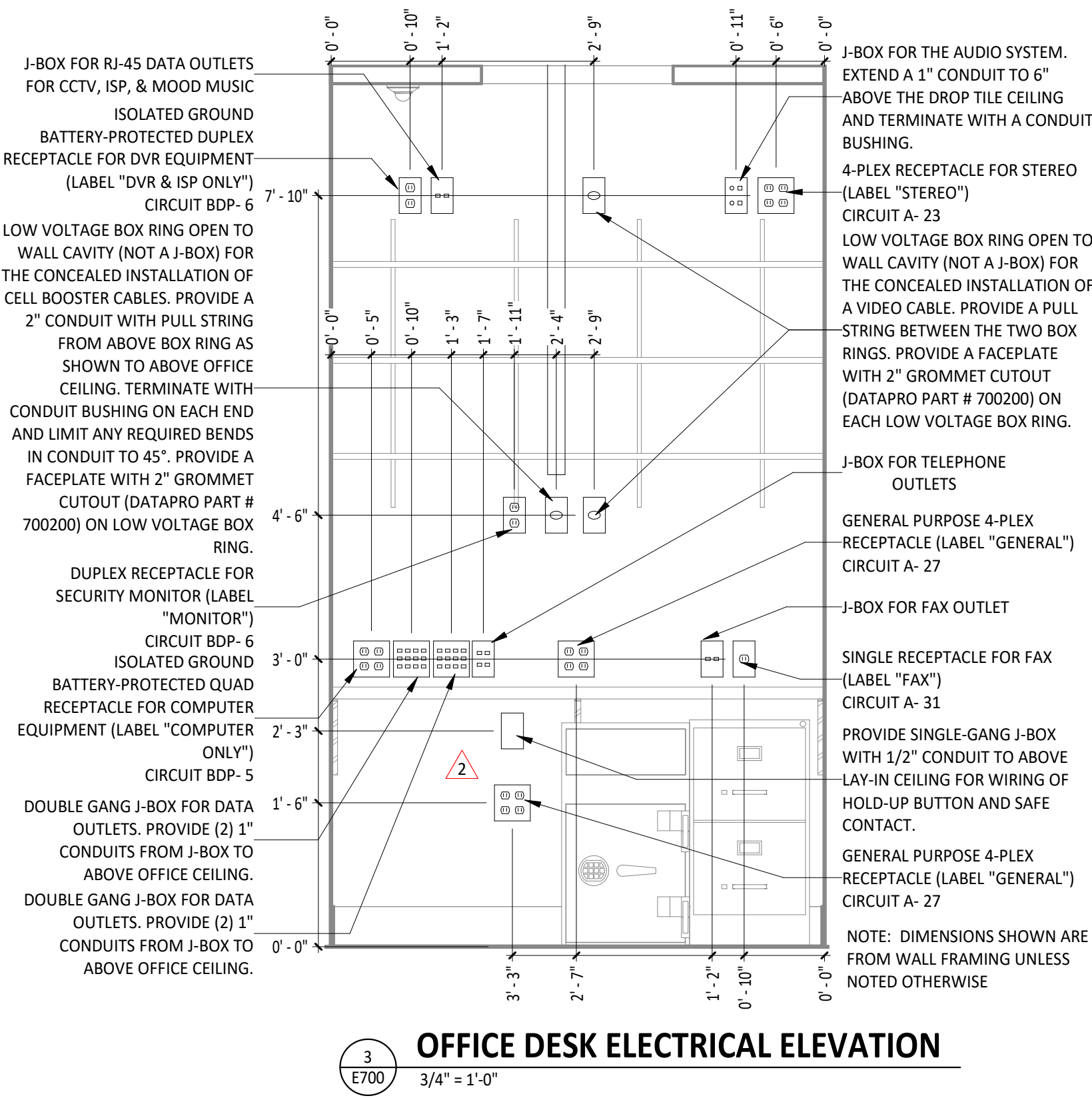
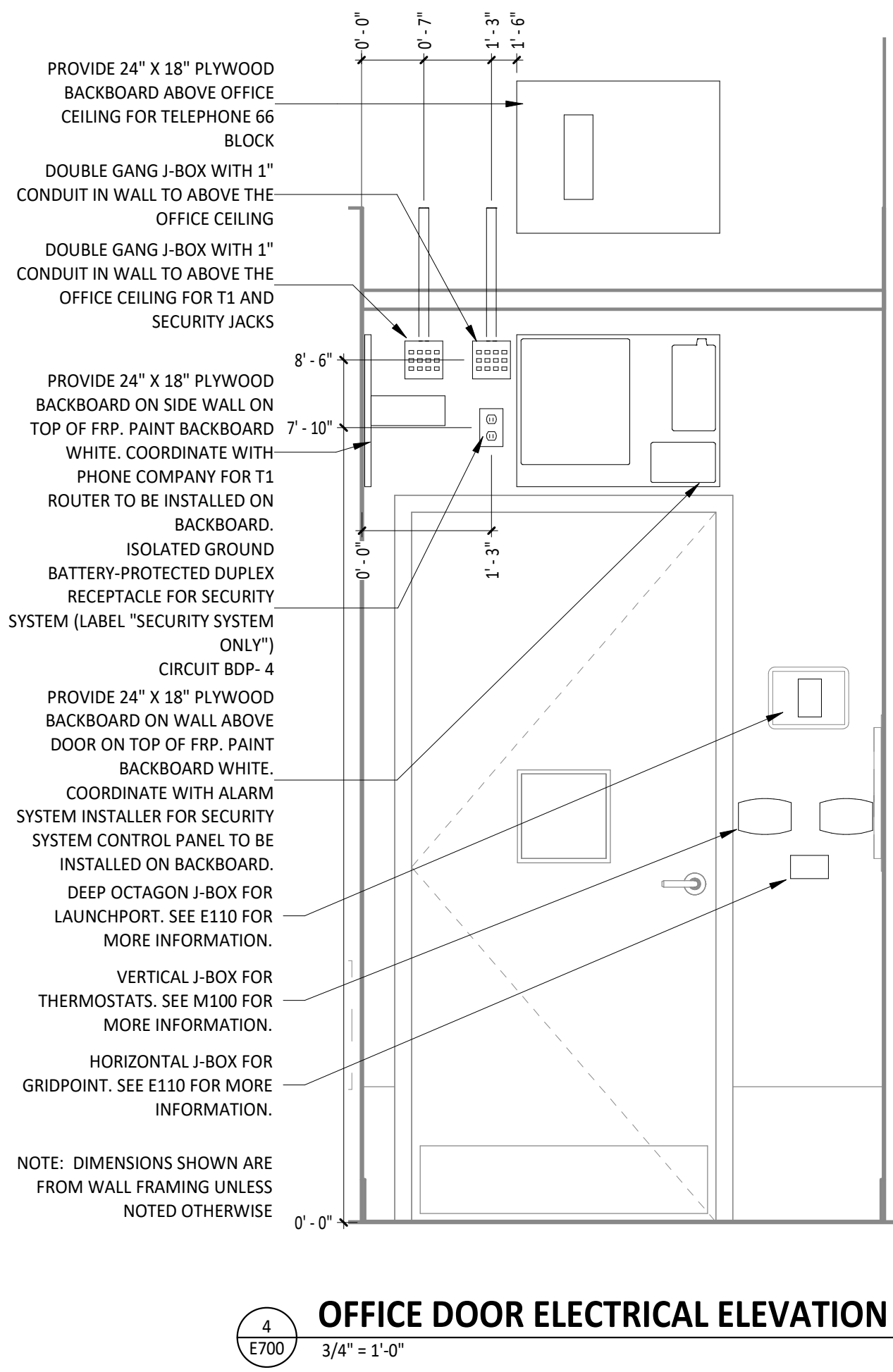
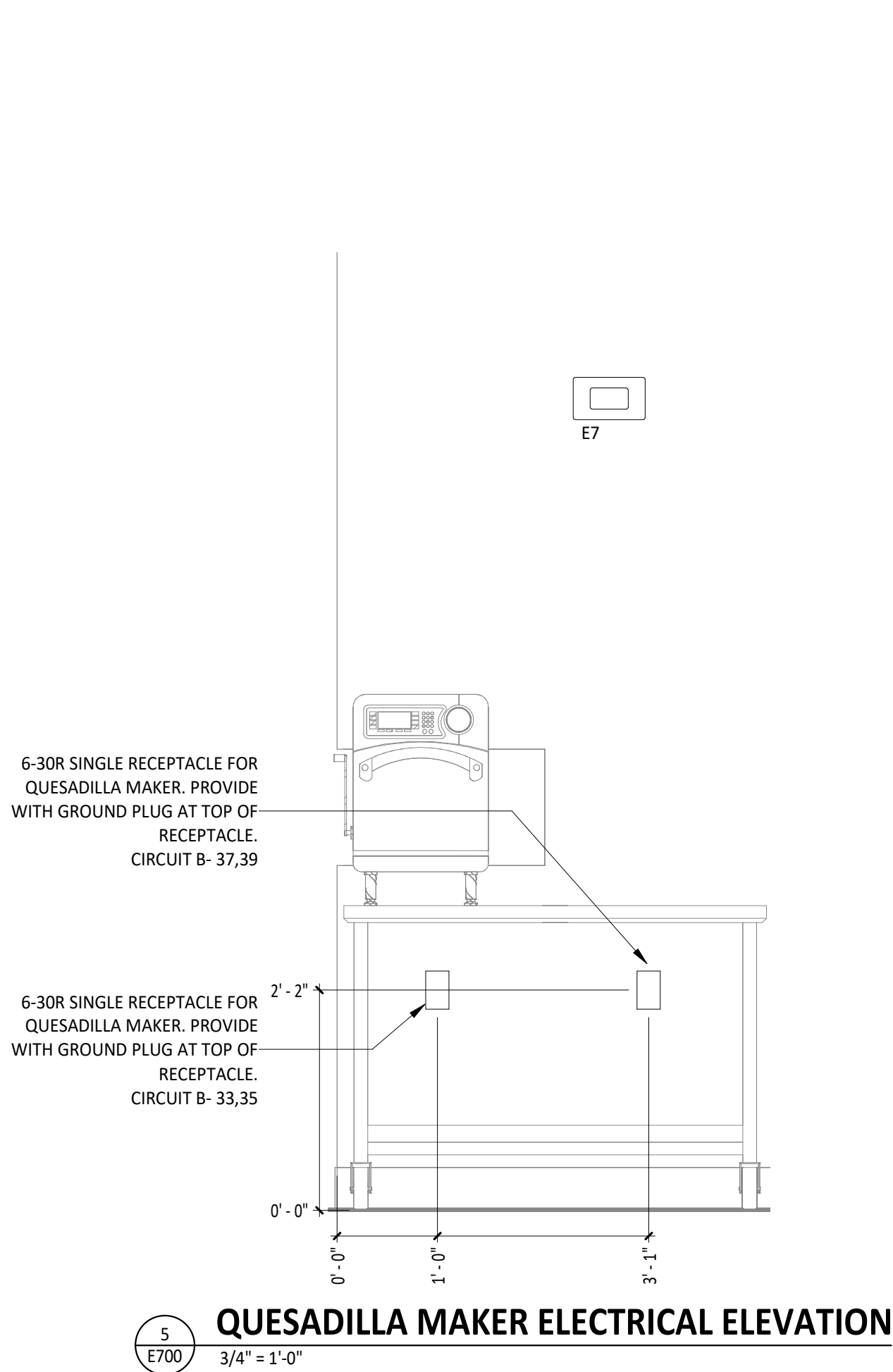
VOLTS: 208/120V Wye														PANEL: A		
PHASES: 3														MAINS: MCB		
WIRES: 4														AMPERAGE: 400 A		
MOUNTING: Recessed														ENCLOSURE: Type 1		
ENCLOSURE: Type 1														MCB RATING: 400 A		
CKT #	DESCRIPTION	C/B [A]	# PLS	NOTES	LOAD [A]	LOAD TYPE	LOAD [kVA] A	LOAD [kVA] B	LOAD [kVA] C	LOAD TYPE	LOAD [A]	NOTES	# PLS	C/B [A]	DESCRIPTION	CKT #
1							5.0	0.0								2
3	AIR CONDITIONER - KITCHEN (RTU-1) (3-#8, #10 G. IN 1" C.)	50	3	HACR	42.0	C		5.0	0.0		-	0.0	3	60	TVSS (4-#6, #10 G. IN 1" C.)	4
5									5.0	0.0						6
7							6.1	0.0								8
9	AIR CONDITIONER - DINING ROOM (RTU-2) (3-#6, #10 G. IN 1" C.)	60	3	HACR	51.0	C		6.1	0.0		-	0.0	3	20	GRIDPOINT 3 PHASE METER (4-#12, #12 G. IN 3/4" C.)	10
11									6.1	0.0						12
13	RECEPTACLES - STOREFRONT Receptáculos - Frente del restaurante	20	1		10.5	G	1.3	0.2		G	1.5		1	20	GRIDPOINT TRANSFORMER	14
15	RECEPTACLES - DINING Receptáculos - Comedor	20	1		1.5	G		0.2	1.2							16
17	Panel BDP	20	1		16.5	G			2.0	1.2	E	10.4	3	20	HOOD EXHAUST FAN (EF-1) (3-#12, #12 G. IN 3/4" C.)	18
19	RECEPTACLES - ROOFTOP Receptáculos - Techo	20	1		3.1	G; E	0.4	1.2								20
21	RECEPTACLES - POS GENERAL Receptáculos - Cajero general	20	1		6.0	G		0.7	0.5							22
23	SECURITY/AUDIO Seguridad y audio	20	1		3.0	G			0.4	0.5	E	3.9	3	15	HOOD MAKEUP AIR FAN (MAU-1) (3-#12, #12 G. IN 3/4" C.)	24
25	SPARE	20	1		--	--	0.0	0.5								26
27	RECEPTACLES - OFFICE Receptáculos - Oficina	20	1	GFCI	9.0	G		1.1	0.5	A; E	4.4		1	15	RESTROOM FAN (EF-2)	28
29	RECEPTACLES - RESTROOMS Receptáculos - Baños	20	1		3.0	G			0.4	0.6	A	4.7	1	20	LIGHTING - DINING ROOM Iluminación - Comedor	30
31	RECEPTACLES - DML Receptáculos - Fax	20	1	GFCI	6.9	G	0.8	1.7		A	14.0		1	20	LIGHTING - KITCHEN Iluminación - Cocina	32
33	BATHROOM SANITIZER Sanitizante de baño	20	1		0.2	E		0.0	0.0	--	--		1	20	SPARE	34
35	HD-1 (CONTROL AND LIGHTS) (control y luces)	15	1		1.5	E			0.2	0.2	B	1.3	1	20	SIGN LIGHTING Iluminación para letreros	36
37	SPARE	20	1		--	--	0.0	0.0			--	--	1	20	SPARE	38
39	SPARE	20	1		--	--		0.0	0.0	A	0.0		1	20	LIGHTING CONTROL PANEL	40
41	SPARE	20	1		--	--			0.0	0.0	--	--	1	20	SPARE	42
43	SPARE	20	1		--	--	0.0	0.0			--	--	1	20	SPARE	44
45	SPARE	20	1		--	--		0.0	0.0		--	--	1	20	SPARE	46
47	SPARE	20	1		--	--			0.0	0.0	--	--	1	20	SPARE	48
49	SPARE	20	1		--	--	0.0	0.0			--	--	1	20	SPARE	50
51	SPARE	20	1		--	--		0.0	0.0		--	--	1	20	SPARE	52
53	SPARE	20	1		--	--			0.0	0.0	--	--	1	20	SPARE	54
							16.9	--			--	--	1	--		
	FEED THRU (PANEL B) (4-500 KCMIL, #1/8 G. IN 4" C.)	0	3	LUGS	149.7	Spare; F		18.0	--	--	--		1	--		
									19.0	--	--	--	1	--		
PHASE TOTAL [kVA]:							34.2 kVA	33.4 kVA	35.5 kVA							
PHASE TOTAL [AMPS]:							286 A	279 A	296 A							
TYPE	DESCRIPTION	CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS								
A	INTERIOR LIGHTING	2 kVA		125.00%		3 kVA										
B	EXTERIOR LIGHTING	0 kVA		125.00%		0 kVA										
C	COMFORT COOLING	34 kVA		100.00%		+ 25% LARGEST MOTOR		34 kVA		TOTAL CONNECTED kVA: 103 kVA						
D	COMFORT HEATING	0 kVA		0.00%		0 kVA		TOTAL ESTIMATED kVA: 84.8 kVA								
E	MISC. MOTOR	6 kVA		100.00%		6 kVA		TOTAL ESTIMATED AMPS: 235 A								
F	KITCHEN EQUIPMENT	54 kVA		65.00%		35 kVA										
G	RECEPTACLES	7 kVA		100.00%		7 kVA										

VOLTS: 208/120V Wye														PANEL: B			
PHASES: 3														MAINS: LUGS			
WIRES: 4														AMPERAGE: 400 A			
MOUNTING: Recessed														ENCLOSURE: Type 1			
ENCLOSURE: Type 1														MCB RATING: 0 A			
CKT #	DESCRIPTION	C/B [A]	# PLS	NOTES	LOAD [A]	LOAD TYPE	LOAD [kVA] A	LOAD [kVA] B	LOAD [kVA] C	LOAD TYPE	LOAD [A]	NOTES	# PLS	C/B [A]	DESCRIPTION	CKT #	
1	CARBONATOR/CO2 ALARM Sistema de carbonatación y alarma de CO2	20	1	GFCI	10.9	F	1.3	1.4		F	11.3		1	20	FOOD PREP TABLE (ISLAND) Mesa para la preparación de alimentos (isla)	2	
3	FOOD PREP TABLE Mesa para la preparación de alimentos	20	1		11.3	F		1.4	1.1	F	9.4	GFCI	1	20	SODA SYSTEM DISPENSER Dispensador para el sistema de refrescos	4	
5	READY-TO-DRINK REFRIGERATOR	20	1	GFCI	8.8	F			1.1	1.4	F	12.0	GFCI	1	20	ICE MAKER - UTENSIL COUNTER Máquina para hacer hielo	6
7	UPRIGHT REFRIGERATOR - 1 DOOR Refrigerador vertical	20	1	GFCI	10.0	F	1.2	1.0		F	8.5	GFCI	1	20	BUBBLER	8	
9	COLD TOP (SERVE LINE) Tabla fría (línea de servicio)	20	1		12.0	F		1.4	0.0	--	--		1	20	SPARE	10	
11	ICE MAKER Máquina para hacer hielo	20	1	GFCI	16.0	F			1.9	1.0	F	10.0		2	20	CARVING STATION Estación para cortar carnes	12
13	ICE MAKER SANITIZER Desinfectante de la máquina para hacer hielo	20	1	GFCI	1.5	F	0.2	1.0								14	
15	GAS WATER HEATER Calentador de agua a gas	20	1	GFCI	5.0	F		0.6	2.1		F	20.0		2	30	HOT FOOD SERVER (SERVE) (2-#10, #10 N., #10 G. in 3/4" C.) Servidor de alimentos	16
17	GAS GRIDDLE Plancha de gas	20	1	GFCI	1.5	F			0.2	2.1						18	
19	GAS FRYER Freidora de gas	20	1	GFCI	0.6	F	0.1	1.4			F	13.0	GFCI	2	20	TORTILLA PRESS (SERVE LINE) (2-#10, #10 G. in 3/4" C.) Calentador de tortillas	20
21	FOOD WARMER (RICE TABLE) Calentador de alimentos (mesa para el arroz)	15	1		1.5	F		0.2	1.4							22	
23	TORTILLA PRESS (SML) (2-#10, #10 G. in 3/4" C.)	20	2	GFCI	13.0	F			1.4	0.3	F	2.6	1	20	REFRIGERATOR (COOK LINE) Refrigerador (línea para cocinar)	24	
25	Calentador de tortillas (línea del fax)						1.4	0.2			F	1.5	GFCI	1	20	UV INSECT LIGHT TRAP	26
27	SPARE	20	1	--	--		0.0	2.1			F	20.0	GFCI	2	30	HOT FOOD SERVER (SML) (2-#10, #10 N., #10 G. in 3/4" C.) Servidor de alimentos calientes (línea de fax)	28
29	DISH MACHINE (2-#10, #10 G. in 3/4" C.)	30	2		25.0	F			2.6	2.1						30	
31	Lavavajillas						2.6	1.4			F	11.7	GFCI	1	20	FOODWARMER (SML) Calentador de alimentos (línea de fax)	32
33	QUESADILLA MAKER - PUW (2-#10, #10 G. in 3/4" C.)	30	2	GFCI	28.0	F			2.9	1.2	F	10.0	GFCI	1	20	COLD TOP (SML) Tabla fría (línea de fax)	34
35										2.9	0.8					36	
37	QUESADILLA MAKER - PUW (2-#10, #10 G. in 3/4" C.)	30	2	GFCI	28.0	F	2.9	0.8			F	6.5		3	15	CU-1 (3-#10, #10 G. in 3/4" C.)	38
39								2.9	0.8							40	
41	UPRIGHT REFRIGERATOR - 1 DOOR Refrigerador vertical	20	1	GFCI	10.0	F			1.2	0.0	F	0.2	1	20	WIC - DOOR	42	
43	SPARE	20	1	--	--		0.0	0.2			F	1.6	1	20	WIC - EVAPORATOR	44	
45	SPARE	20	1	--	--			0.0	0.0		--	--	1	20	SPARE	46	
47	SPARE	20	1	--	--				0.0	0.0	--	--	1	20	SPARE	48	
49	SPARE	20	1	--	--		0.0	0.0			--	--	1	20	SPARE	50	
51	SPARE	20	1	--	--			0.0	0.0		--	--	1	20	SPARE	52	
53	SPARE	20	1	--	--				0.0	0.0	--	--	1	20	SPARE	54	
PHASE TOTAL [kVA]:							16.9 kVA	18.0 kVA	19.0 kVA								
PHASE TOTAL [AMPS]:							141 A	152 A	159 A								

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HOPE VALLEY
7021 NC-751 HIGHWAY #903
DURHAM, NC 27707

Issue Record:	
04/29/2024	HEALTH SUBMITTAL
05/28/2024	PERMIT SET
07/08/2024	BID SET
08/06/2024	CONSTRUCTION SET

Revisions:	
2	04/08/2024 DB03 2024

Drawn: JEI/ACA
Checked: MPC

Project No:
2401086

Contents:

ELECTRICAL INTERIOR
ELEVATIONS

E700

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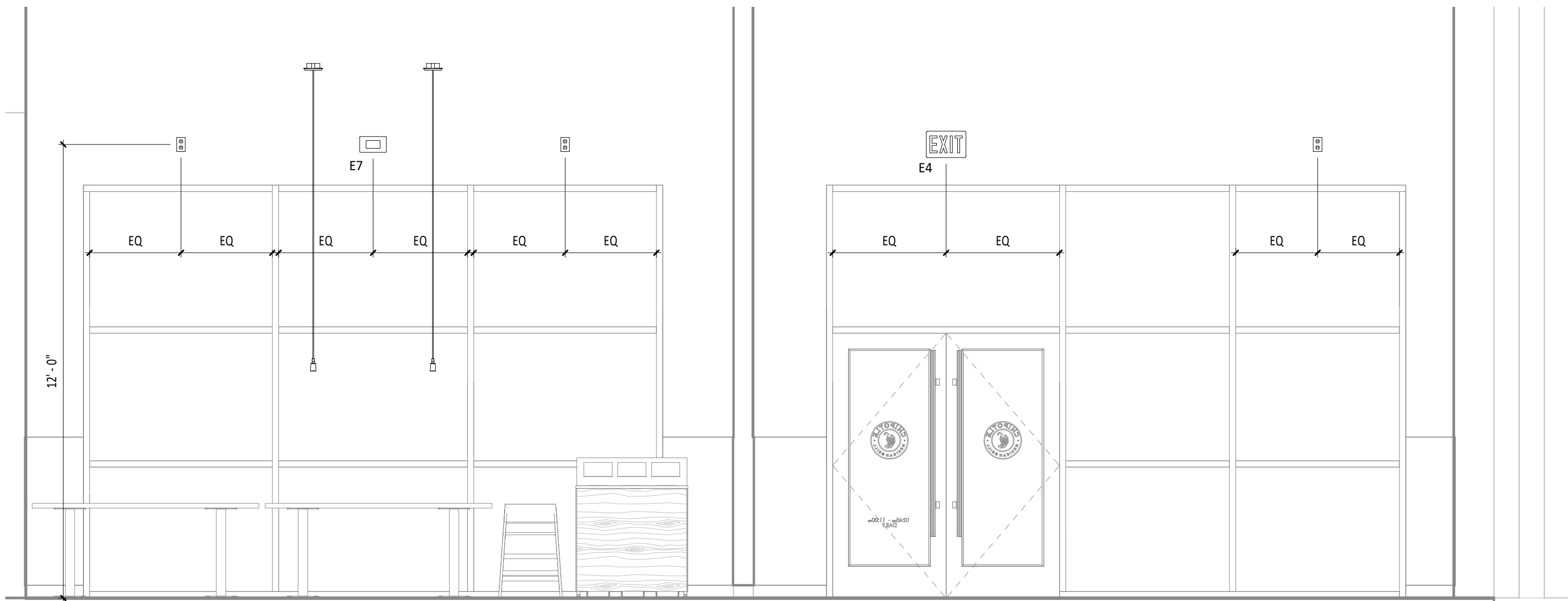
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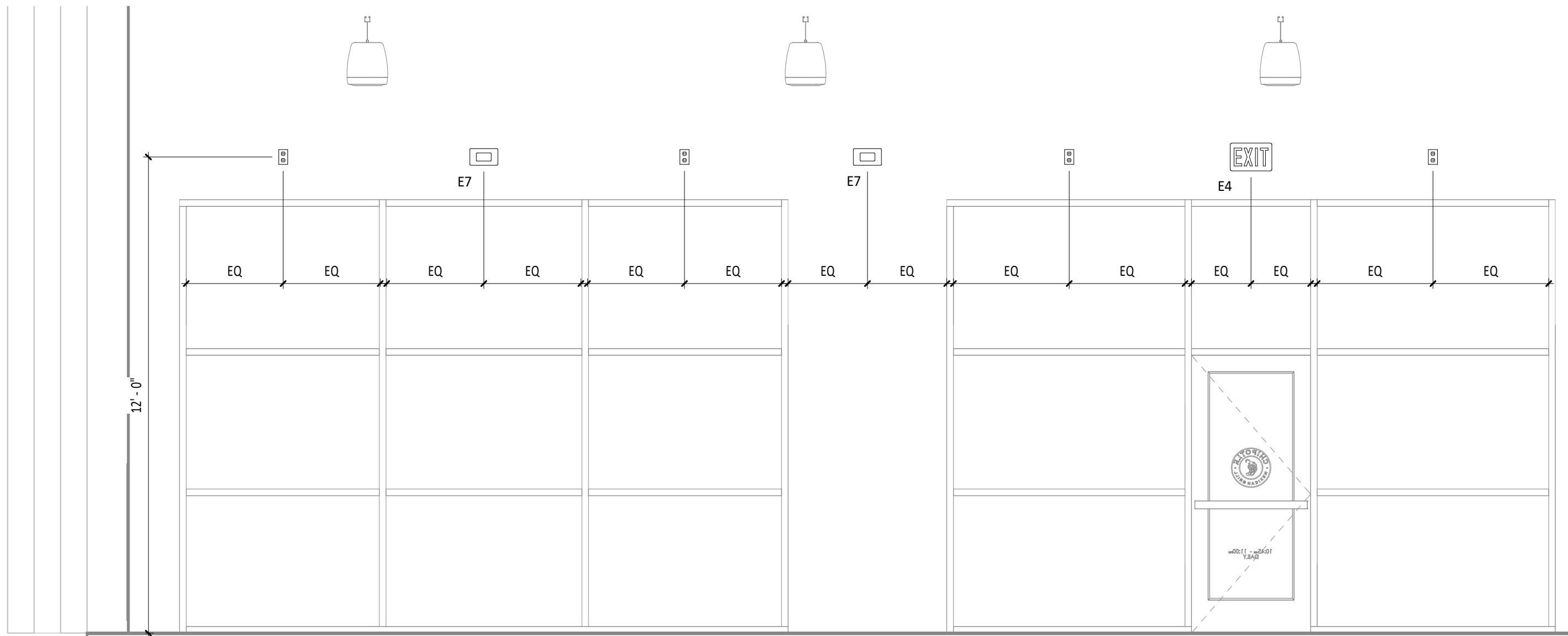
Project No.
2401086

Contents:
ELECTRICAL INTERIOR
ELEVATIONS

E705



2
E705
DINING ROOM ELECTRICAL ELEVATION
3/8" = 1'-0"



1
E705
DINING ROOM ELECTRICAL ELEVATION
3/8" = 1'-0"

