# MEMORANDUM

**DATE:** August 14, 2024
**FROM:** BAE Group
**TO:** Dungan Design Group
**RE:** Chipotle #5042 – Metairie

Blanchard AE Group

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This is a summary of the changes included in Revision #2.

Mechanical

- Kitchen temperature sensor heights updated. (M100)
- Ice maker condenser models updated. (M600)

Plumbing

- Note added for replacement of stock water closet flush handle. (P100)
- Dish machine rough-in note updated. (P100)
- Ice maker descriptions updated. (P100 & P600)
- Restroom hand sink model updated. (P600)

Electrical

- Lighting control panel model updated. (E100)
- Security keypad re-located and door contacts added. (E010 & E110)
- Rough-in notes for fire protection and timeclock updated. (E110)
- Cell booster and lightning arrestor note updated. (E110)
- CO2 rough-in heights updated. (E110 & E710)
- Pick-up window directional note added. (E700)
- Low voltage box ring added for cell phone booster cables. (E700)

## REGULATORY AGENCIES & UTILITIES

**PLANNING/ZONING**
Jefferson Parish Planning & Development
Joseph S. Yenni Building
1221 Elmwood Park Blvd., Suite 601
Jefferson, LA 70123
504-736-6320

**HEALTH DEPARTMENT**
State of Louisiana Department of Health and Hospitals
Jefferson Parish Health Unit
109 Causeway Blvd
Metairie, LA 70001

**SEWER/WASTEWATER**
Jefferson Parish Sewerage Department
Eastbank office:
1221 Elmwood Park Blvd
Jefferson, LA 70123
504-736-6661

**BUILDING DEPARTMENT**
Jefferson Parish Building Department
1221 Elmwood Park Blvd. Suite 101
Jefferson, LA 70123
504-736-6957

**WATER MANAGEMENT**
Jefferson Parish Water Department
Eastbank office:
1221 Elmwood Park Blvd
Jefferson, LA 70123
504-736-6060

**NATURAL GAS SERVICE**
Atmos Energy
101 Airline Dr.
Metairie, LA 70001
888-286-6700

**FIRE DEPARTMENT**
Office of Louisina State Fire Marshall
8181 Independence Blvd.
Baton Rouge, Louisiana 70806
800-256-5452

**ELECTRICAL SERVICE**
Entergy
9585 Pecue Ln,
Baton Rouge, LA 70810
800-368-3749

**TELEPHONE**
AT&T

# Metairie

## Store No. 5042
## 6940 Veterans Memorial Blvd.
## Metairie, LA 70003

## DEFERRED SUBMITTALS

- Signage
- Hood suppression system
- CO2 plumbing & detection system

## SCOPE OF WORK

Tenant Improvement work for a fast-casual restaurant with a order pick-up lane including a dining room, commercial kitchen, restrooms, HVAC, lighting, and an outdoor dining patio area.

## CODE AUTHORITIES

| | |
|---|---|
| BUILDING CODE: | 2021 INTERNATIONAL BUILDING CODE W/ STATE AMENDMENTS |
| MECHANICAL CODE: | 2021 INTERNATIONAL MECHANICAL CODE W/ STATE AMENDMENTS |
| PLUMBING CODE: | 2021 INTERNATIONAL PLUMBING CODE W/ STATE AMENDMENTS |
| ENERGY CODE: | 2021 INTERNATIONAL ENERGY CONSERVATION CODE W/ STATE AMENDMENTS |
| FUEL GAS CODE: | 2021 INTERNATIONAL FUEL GAS CODE W/ STATE AMENDMENTS |
| ELECTRICAL CODE: | 2020 NATIONAL ELECTRIC CODE |
| FIRE CODE: | 2021 INTERNATIONAL FIRE CODE W/ STATE AMENDMENTS |
| ACCESSIBLITY: | 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN & 2021 ICC A117.1 |

## PROJECT CONTACTS

**LANDLORD**
6930 Veterans Blvd Investment, LLC
3105 Breard Street
Monroe, LA 71201
Contact: Darren Balsamo

**ARCHITECT**
Dungan Design Group, LLC
8826 Santa Fe Dr, Suite 304
Overland Park, KS 66212
Contact: Doug Wilson
dwilson@ddg.bz
913-341-2466
913-341-2455 fax

**UTILITY COORDINATOR**
Gaucher & Associates
2060 Baldwin Court
Seaside, CA 93955
Contact: Paul Gaucher
paul@gaucherinc.com
831-393-1760
831-393-2858 fax

**SIGN VENDOR**
ADCON
3725 Canal Drive
Fort Collins, CO 80524
Contact: Nick Gentry
ngentry@adcon-signs.com
O: 970-484-3637

**TENANT**
Chipotle Mexican Grill
PO Box 182566
Columbus, OH 43218-2566
Contact: Kristi Reynolds
kristi.reynolds@chipotle.com
380-222-7192

**MEP ENGINEER**
Blanchard AE Group
1425 Wakarusa Dr. Suite B
Lawrence, KS 66049
Contact: Isaac Dunn
IDunn@BAE.Group
O: 785-933-0300
C: 316-644-2041

**STRUCTURAL ENGINEER**
Stand Structural Engineering Inc.
8234 Robinson St.
Overland Park, KS 66204
Contact: Ezra Hallman
ehallman@stand-sei.com
913-214-2169

## ABBREVIATIONS

| | | | | | |
|---|---|---|---|---|---|
| ℄ | CENTER LINE | GA | GAUGE | SIM | SIMILAR |
| (E) | EXISTING CONSTRUCTION | GALV | GALVANIZED | SPS | SODA POP SUPPLIER |
| (N) | NEW CONSTRUCTION | GC | GENERAL CONTRACTOR | SS | SUPPORT SIGNAGE |
| @ | AT | GYP | GYPSUM | SSS | CCTV AND SAFE/CASHBOX |
| Ø | DIAMETER OR ROUND | | | STR | STRUCTURE |
| | | HES | TENANT'S HVAC EQUIPMENT SUPPLIER | | |
| AFF | ABOVE FINISH FLOOR | HS | HOOD SUPPLIER | T | TENANT |
| ALUM | ALUMINUM | HVAC | HEATING AND VENTILATING | T.B.D. | TO BE DETERMINED, SEE FIELD REFERENCE MANUAL |
| ARCH | ARCHITECT(URAL) | | | T.O. | TOP OF |
| AS | ART AND CHAIRS SUPPLIER | INT | INTERIOR | TAB | TENANT'S TEST & BALANCE VENDOR |
| ASS | ALARM SYSTEM SUPPLIER | | | TCC | TENANT'S CABLING CONTRACTOR |
| | | KES | KITCHEN EQUIPMENT SUPPLIER | TDC | TENANT'S DUCT CLEANER |
| B.O. | BOTTOM OF OR BACK OF | | | THS | TENANT'S HARDWARE SUPPLIER |
| BD | BOARD | MAX | MAXIMUM | TLS | TENANT'S LIGHT/LAMP SUPPLIER |
| BLDG | BUILDING | MECH | MECHANICAL | TMB | TENANT'S MENU BOARD SUPPLIER |
| | | MFR | MANUFACTURER | TMS | TENANT'S MILLWORK SUPPLIER |
| C.O. | CENTER OF | MIN | MINIMUM | TP | TENANT'S PHONE SUPPLIER |
| CMU | CONCRETE MASONRY UNIT | MISC | MISCELLANEOUS | TRS | TENANT'S RAILING SUPPLIER |
| CO2 | CO2 SUPPLIER | MSS | MUSIC SYSTEMS SUPPLIER | TS | TENANT'S SAFE SUPPLIER |
| CS | CHEMICAL SUPPLIER | | | TSS | TENANT'S SMART SAFE SUPPLIER |
| | | N.I.C. | NOT IN CONTRACT | TSV | TENANT'S SIGN VENDOR |
| DIM | DIMENSION(S) | NO | NUMBER | TUV | TENANT'S UV SUPPLIER |
| | | | | TYP | TYPICAL |
| EA | EACH | OC | ON CENTER | | |
| EL | ELEVATION (VERTICAL HEIGHT) | OSB | ORIENTED STRAND BOARD | U.N.O. | UNLESS NOTED OTHERWISE |
| ELEC | ELECTRIC(AL) | | | UPS | UNINTERRUPTED POWER SUPPLY |
| ELEV | ELEVATION | PHS | PHOTOGRAPHY SUPPLIER | | |
| EQ | EQUAL | POS | POINT OF SALE | VAR | VARIES |
| EXT | EXTERIOR | PREP | PREPARATION | | |
| | | PVC | POLYVINYL CHLORIDE | W/ | WITH |
| F.O. | FACE OF | | | WA | WASHROOM ACCESSORIES |
| F.V. | FIELD VERIFY | R | RADIUS | WCS | TENANT'S WALK-N COOLER SUPPLIER |
| FRP | FIBERGLASS REINFORCED PANEL | RTU | ROOF TOP UNITS | WHS | WATER HEATER SUPPLIER |
| FRT | FIRE RETARDANT-TREATED | | | WS | TENANT'S WINDOW SHADE SUPPLIER |

## SYMBOLS LEGEND

| | | | |
|---|---|---|---|
| 6 / A210 | ELEVATION REFERENCE | ROOM NAME: 101 | ROOM NAME & NUMBER |
| 6 / A210 | SECTION REFERENCE | 1 | REVISION NUMBER |
| 6 / A210 | DETAIL REFERENCE | 1 | DOOR NUMBER |
| 0 | COLUMN GRID LABEL | 1 | MISCELLANEOUS EQUIPMENT NUMBER |
| A1 | WALL TAG | 1 | FURNITURE NUMBER |
| | LEVEL TARGET | 1 | KITCHEN EQUIPMENT NUMBER |
| | NORTH ARROW | 1 | WASHROOM ACCESSORIES NUMBER |

## CODE COMPLIANCE DATA

**1. Occupancy Group** (Chapter 3) — A-2

**2. Type of Construction** (Chapter 6) — Type V-B Non-Sprinklered

**3. Allowable Building Area & Height**

| | |
|---|---|
| Building Area - Group A-2, Type V-B, Non-Sprinklered (Table 506.2) | 6,000 sf |
| Building Height - Group A-2, Type V-B, Non-Sprinklered (Tables 504.3 & 504.4) | 1 Story, 40 Feet |

**4. Actual Building Area & Height**

| | |
|---|---|
| Building Area | 2,325 sf |
| Building Height | 1 Story, 20' - 8" |

**5. Occupant Load** - Chipotle Tenant Space (Table 1004.5)

| | |
|---|---|
| Dining Area | (42 Seats) 730 sf / 15 = 49 |
| Kitchen, Commercial | 1,089 sf / 200 = 6 |
| Admin | 45 sf / 100 = 1 |
| Total Interior Occupant Load for Plumbing Calculations | 56 |
| Patio | (14 Seats) 308 sf / 15 = 21 |
| Total Occupants | 77 |

**6. Number of Required Exits** (Section 1006.2.1) — 2 Required, 3 Provided

**7. Required Plumbing Fixtures** (IPC, Table 403.1)

| | |
|---|---|
| Water Closets (Male 1:1-75) | 1 Required, 1 Provided |
| Water Closets (Female 1:1-75) | 1 Required, 1 Provided |
| Lavatories (Male 1:1-200) | 1 Required, 1 Provided |
| Lavatories (Female 1:1-200) | 1 Required, 1 Provided |
| Urinals | 0 Required, 0 Provided |

**8. Fire Alarm**

| | |
|---|---|
| Building Occupant Load | 56 |
| Fire Alarm Required if Occupant Load is 300 or More (Section 907.2.1) | Not Required |
| Fire Alarm Provided | No |

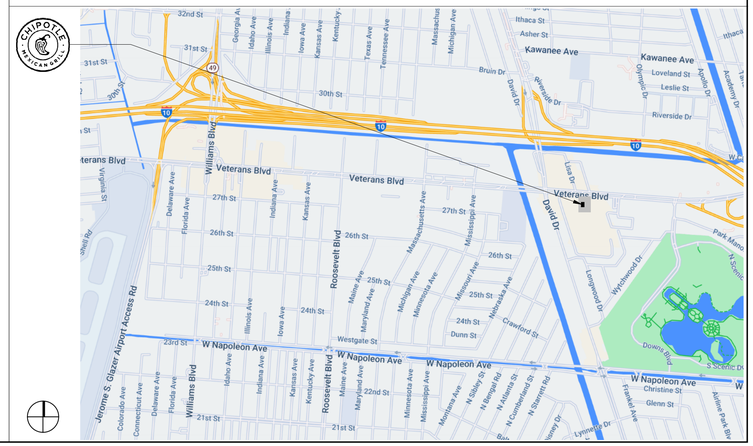
**9. Posted Occupancy Signage**

| | |
|---|---|
| Maximum Occupant Load | 99 |

## SHEET INDEX

| SHEET NO. | SHEET NAME | REVISIONS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GENERAL | | | | | | | | | | | | | | |
| G000 | Project Data | • | • | | | | | | | | | | | |
| G010 | Architectural Specifications | | | | | | | | | | | | | |
| G011 | Architectural Specifications | | | | | | | | | | | | | |
| G012 | Architectural Specifications | | | | | | | | | | | | | |
| G013 | Architectural Specifications | | | | | | | | | | | | | |
| G014 | Architectural Specifications | | | | | | | | | | | | | |
| DEMISED | | | | | | | | | | | | | | |
| D101 | Demised Premises Plan | | | | | | | | | | | | | |
| SITE | | | | | | | | | | | | | | |
| SP100 | Architectural Site Plan | • | | | | | | | | | | | | |
| ARCHITECTURAL | | | | | | | | | | | | | | |
| A101 | Slab Work Plan | | | | | | | | | | | | | |
| A110 | Architectural Floor Plan | | | | | | | | | | | | | |
| A120 | Finish Plan | | | | | | | | | | | | | |
| A130 | Fixtures, Furniture & Equipment Plan | • | | | | | | | | | | | | |
| A131 | Fixtures, Furniture & Equipment Schedules | | | | | | | | | | | | | |
| A132 | Fixtures, Furniture & Equipment Schedules | • | | | | | | | | | | | | |
| A140 | Architectural Roof Plan | | | | | | | | | | | | | |
| A201 | Reflected Ceiling Plan | | | | | | | | | | | | | |
| A210 | Ceiling Details | | | | | | | | | | | | | |
| A211 | Lighting Details | | | | | | | | | | | | | |
| A301 | Exterior Elevations | | | | | | | | | | | | | |
| A501 | Architectural Wall Types | | | | | | | | | | | | | |
| A502 | Interior Sections | | | | | | | | | | | | | |
| A601 | Door & Hardware Schedule | | | | | | | | | | | | | |
| A701 | Elevations - Interior Dining | • | | | | | | | | | | | | |
| A702 | Elevations - Interior Kitchen | • | | | | | | | | | | | | |
| A710 | Toilet Room Details | | | | | | | | | | | | | |
| A801 | Finish Details | | | | | | | | | | | | | |
| A802 | Finish Details | | | | | | | | | | | | | |
| A900 | Interior Perspectives | | | | | | | | | | | | | |
| STRUCTURAL | | | | | | | | | | | | | | |
| S1 | Notes & Sections | | | | | | | | | | | | | |
| S2 | Slab Plan | | | | | | | | | | | | | |
| S3 | Roof Framing Plan | | | | | | | | | | | | | |
| HVAC | | | | | | | | | | | | | | |
| M010 | HVAC Specifications | | | | | | | | | | | | | |
| M100 | HVAC Plan | | • | | | | | | | | | | | |
| M600 | HVAC Schedules | | • | | | | | | | | | | | |
| M700 | HVAC Details | | | | | | | | | | | | | |
| PLUMBING | | | | | | | | | | | | | | |
| P010 | Plumbing Specifications | | | | | | | | | | | | | |
| P100 | Plumbing Water Plan | | • | | | | | | | | | | | |
| P105 | Plumbing Gas Plan | | | | | | | | | | | | | |
| P110 | Plumbing Plan Waste & Vent | | | | | | | | | | | | | |
| P600 | Plumbing Schedules | | • | | | | | | | | | | | |
| P700 | Plumbing Details | | | | | | | | | | | | | |
| ELECTRICAL | | | | | | | | | | | | | | |
| E010 | Electrical Specifications | | • | | | | | | | | | | | |
| E100 | Electrical Lighting Plan | | • | | | | | | | | | | | |
| E110 | Electrical Power Plan | | • | | | | | | | | | | | |
| E115 | Electrical Site Power Plan | | | | | | | | | | | | | |
| E600 | Electrical Schedules | | | | | | | | | | | | | |
| E700 | Electrical Interior Elevations | | • | | | | | | | | | | | |
| E705 | Electrical Interior Elevations | | | | | | | | | | | | | |
| E710 | Electrical Details | | • | | | | | | | | | | | |

## VICINITY MAP





DUNGAN DESIGN GROUP
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Overland Park, KS 66212
913-341-2466


FOR CONSTRUCTION

08/13/2024


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(614)318-2400
www.chipotle.com


Metairie
Store No. 5042
6940 Veterans Memorial Blvd.
Metairie, LA 70003

Issue Record:

| | |
|---|---|
| 01/09/24 | Permit Issue |
| 05/15/24 | Bid Issue |
| 08/13/24 | Construction Issue |

Revisions:

| | |
|---|---|
| 1 03/12/24 | City Comments I |
| 2 08/12/24 | DB Revisions |

Project No.
01734

Project Data

G000

**DIVISION 1 - GENERAL REQUIREMENTS**

**SECTION 01100 - SUMMARY**

1.1 Contract Documents:

A. Contractor shall use the following Tenant provided documents in the negotiation and execution of the Work. Contact Tenant's office for copies of these documents:
   1. Chipotle Instructions to Bidders.
   2. Construction Contract for Chipotle Mexican Grill.

B. Definitions:
   1. The term "Owner" used in these documents refers to the building Owner/Landlord.
   2. The term "Tenant" used in these documents refer to the restaurant Tenant, Chipotle Mexican Grill, Inc.
   3. The term "Contractor" used in these documents refers to the entity responsible for performing the Work under Construction Contract for Chipotle Mexican Grill.

1.2 Scope of Work:

A. The Work shall include construction of the site and building facilities as shown and specified in these Specifications and Drawings.

B. When required and necessary, the Tenant will provide a subsurface exploration report as an attachment the bidding documents.

**SECTION 01300 - ADMINISTRATIVE REQUIREMENTS**

1.1 Coordination:

A. Immediately inform the Architect of discrepancies between the information indicated in the Contract Documents and existing project conditions, and of discrepancies between information indicated on the architectural, structural, mechanical, plumbing and electrical documents.

B. Prior to fabrication and installation of new components, field verify all existing and new dimensions and installation conditions that may affect the Work. Do not scale the drawings to establish locations of items that are not located using dimensions.
   1. All dimensions are to rough face of stud or centerline of structure, unless otherwise indicated.
   2. Verify that all Subcontractors have reviewed and coordinated locations of their equipment and furnishings exposed to view with the architectural drawings. Review questions with the Architect.

C. Coordinate new work indicated on the Contract Documents with new work that may be provided by the Owner and Tenant under separate contracts.

D. Coordinate the work of Vendors, Contractors and Subcontractors providing fixtures, furniture and equipment identified as "by Tenant" in these drawings and specifications.
   1. Notify the Tenant in timely fashion if any problems develop with the performance of these Vendors, Contractors or Subcontractors.

E. Coordinate the scheduling, sequencing, and the work of all trades and Subcontractors to assure efficient and orderly sequences of installation of interdependent construction elements.

F. Verify that the utility requirement characteristics of operating equipment are compatible with the building utility services. Coordinate work of the various specification sections having interdependent responsibilities for installing, connecting to, and placing in service such equipment.

G. Coordinate the installation and physical space requirements of plumbing, mechanical and electrical work that are indicated diagrammatically on the drawings. Follow routing shown for piping, ducts and conduit as closely as practical. Install runs parallel with and perpendicular to the line of the building. Utilize spaces as efficiently as possible to maximize accessibility for other work installation and for maintenance and for repair.
   1. Conceal piping, ducts and conduit within the construction, except as otherwise indicated.
   2. Coordinate locations of registers, fixtures and outlets with finish elements.

H. Coordinate completion and cleanup work of all trades and Subcontractors in preparation for Substantial Completion.

I. To minimize disruption of Tenant's activities after Tenant occupancy of the property, coordinate access to the property with the Tenant's Construction Manager for correction of defective work and work not in accordance with the Contract Documents.

1.2 Submittals:

A. Only when indicated in the specifications or drawings submit shop drawings, product data, and/or samples to the Architect for review. All submittals shall be made directly to the architect by the general contractor. Only submittals for specified products will be accepted unless prior approval has been obtained for a substitution (refer to Section 01630). Submittals shall be made with respect to the construction schedule to allow for adequate review time: allow (5) business days for review of submittals Divisions 3 through 10 and allow (10) business days for review of submittals in all other divisions.

   Shop drawings: Submit electronic copies of each sheet of drawings. Shop drawings are original drawings prepared by the subcontractor or vendor for the purpose of conveying information to the architect and/or engineer on how a building element or product will be constructed in sufficient detail for the architect and/or engineer to determine compliance with the design intent.

   In all cases one copy of the submittal shall be returned to the general contractor. Electronic submittals for shop drawing or product data in either PDF or DWF format are acceptable for review. All submittals, regardless of format, must bear the general contractor's stamp indicating the submittal has been reviewed and approved. Any submittal not meeting the requirements set forth will be rejected by the architect.

   Submittals shall be made with respect to the construction schedule to allow for adequate review time: allow (5) business days for review of submittals for any structural steel, canopies and trusses and allow (3) business days for review of submittals in all other divisions. Review timeline will commence from the time the submittal with General Contractor's approval stamp is received by the Architect, Design Manager, and Development Analyst.

1.3 Requests For Information

A. In the event that the general contractor, or a subcontractor, at any tier, determines that some portion of the drawings, specifications, or other contract documents requires a clarification or interpretation by the architect, the general contractor shall submit a Request For Information in writing to the architect in an electronic copy.

   Requests for Information may only be submitted by the general contractor and may only be submitted to the architect. The general contractor shall clearly and concisely set forth the issue for which clarification or interpretation is sought and why a response is needed from the architect or the architect's consultants. In the Request for Information, the general contractor shall set forth an interpretation or understanding of the requirement along with an explanation of why such an understanding was reached.

B. The architect will review all Requests for Information to determine whether they are Requests for Information within the meaning of this term. If the architect determines that the document is not a request for information, it will be returned to the general contractor, un-reviewed as to content, for re-submittal in the proper form and in the proper manner.

   Responses to Requests for Information shall be issued upon receipt, but no later that five (5) working days of receipt of the Request from the general contractor; unless the architect determines that a longer amount of time is necessary to provide an adequate response. If a longer amount of time is determined necessary by the architect, the architect will, within five (5) working days of receipt of the Request, notify the general contractor of the anticipated response time. If the general contractor submits a Request for Information on an activity with five (5) working days or less of float on the current project schedule the general contractor shall not be entitled to any time extension due to the time it takes the architect to respond to the Request provided that the architect responds within the parameters set forth above.

C. Responses to Requests for Information from the architect will not change any requirements of the contract documents. In the event that the general contractor believes that a response to a Request For Information will cause a change to the requirements of the contract documents, the general contractor shall immediately give written notice to the architect and the tenant stating that the general contractor considers the response to be a Change Order. Failure to give such written notice immediately shall waive the general contractor's (or any subcontractor's) right to seek additional time or cost under the Administrative Requirements of these contract documents.

**SECTION 01400 - QUALITY REQUIREMENTS**

1.1 Regulatory Requirements:

A. Perform all work in accordance with applicable local, state, and federal building codes, plumbing codes, mechanical codes, electrical codes, ordinances and rules and regulations governing food service establishments.

B. Comply with local, state and federal requirements governing accessibility.

C. Obtain all required demolition and erosion control permits required by authorities having jurisdiction.

1.2 Quality Control:

A. Maintain quality control over manufacturers, suppliers, products, services, site conditions and workmanship, to produce work of specified quality.

B. Comply with manufacturer's instructions and applicable trade standards.

C. Handle, install, connect, clean, condition and adjust products in strict accordance with manufacturer's instructions and complying with specified requirements.
   1. Request clarification from the Architect before proceeding, where manufacturer's instructions conflict with the Contract Documents.

D. Comply with specified standards as a minimum quality for the Work, except when more stringent tolerances, codes or specified requirements indicate higher standards or more precise workmanship.

E. Perform work by persons qualified to produce workmanship of the specified quality. Secure products in place with positive anchorage devices designed, sized and installed to withstand stress, vibration, physical distortion or disfigurement.

F. All dimensions shall be considered "hold-to" dimensions unless indicated otherwise (e.g. minimum or maximum dimensions.)

1.3 Testing:

A. Employ and pay for the services of an independent testing laboratory to perform inspections, tests and other services when required.

B. Include inspection and tests as indicated in the specification sections, drawings, and as required by authorities having jurisdiction.
   1. Test concrete in accordance with Section 03300 and drawing requirements.
   2. Test structural steel in accordance with Section 05110 and drawing requirements.

**SECTION 01500 - TEMPORARY FACILITIES AND CONTROLS**

1.1 Provide temporary facilities and controls as shown and specified:

A. Codes and Standards: Provide temporary construction facilities and controls complying with all applicable local, State and Federal local laws, regulations and codes and utility company requirements.

B. Temporary Heating, Ventilating and Cooling:
   1. Provide, pay for and maintain all temporary heating, ventilating and cooling equipment and facilities required during the progress of the work to protect materials, finished work, and equipment against damage from low and high temperatures and humidity.
   2. Provide temporary heating, ventilating and cooling when the outside temperature and humidity is low/high enough to damage or affect in any way the performance or quality of material and product stored in the building, in any temporary storage area, or any material or product incorporated into the work.
   3. Provide temporary heating, ventilating and cooling when the outside temperature and humidity is low/high enough to significantly slow or hamper effectiveness of workers and to provide suitable working conditions.

C. Temporary Electrical Lighting and Power:
   1. Provide, pay for and maintain all temporary electrical service for lighting and power required during the progress of the work. Include all necessary wiring, fuses, disconnect switches, safety devices, junction boxes, panels, ground fault protections, and transformer if required. Include cost for providing temporary electric generators in the Contract Sum, if temporary electric service is not available for use during progress of the work.
   2. Temporary service and lighting and power items and installations shall conform to the requirements of the NFPA National Electric Code and OSHA Occupational Safety and Health Act of 1970.

D. Water: Provide, pay for and maintain all temporary water required during the progress of the work. Include all necessary storage tanks, piping, valves, fittings, hose and hose connections during construction and testing.

E. Temporary Toilets: Provide, pay for and maintain temporary toilet facilities for use by the Contractor, Contractor's employees and all Subcontractors and Subcontractors' employees. Comply with all local requirements for installation, use and maintenance of temporary toilet facilities.

F. Barriers and Enclosures:
   1. Provide temporary construction barriers in accordance with project requirements. Exercise all necessary precautions to protect adjacent properties, outside project contact limits, during progress of the work. Take special precautions to avoid damage to existing overhead and underground utilities and services owned or operated by the Owner or by public or private utility companies.
   2. Provide temporary weather-tight enclosures at exterior openings to provide acceptable working conditions and protection of materials and to allow for temporary heating, ventilating and cooling.

G. Field Office, Telephone and Email:
   1. Provide and maintain a temporary field office at the project site during progress of the work. A designated area within the existing building will be available for use as a temporary field office. Verify area size and location with the Tenant.
   2. Maintain copies of permits, approved shop drawings, specifications, addenda and record documents at field office.
   3. Provide temporary telephone service and internet service with email and photo capabilities to field office throughout progress of the work.
   4. Provide weekly photographic documentation of project progression to Tenant.

H. Safety and Security
   1. Provide and maintain all necessary safety provisions for protection and safety of the project work, workers and general public.
   2. Provide and maintain operable fire extinguishing devices in well-marked, accessible locations throughout the project. Provide types, quantities and locations in compliance with governing codes and ordinances.
   3. Provide all necessary security barriers and enclosures to protect the work and Tenant's operations from unauthorized entry of persons, vandalism and theft. Provide doors, when required, with self-closing hardware and locks.

I. Cleaning
   1. During Construction: Provide an approved on-site container for the use of all Contractors and Subcontractors for the collection of waste materials, debris and rubbish. Execute periodic cleaning to keep the work, the site and adjacent properties free from accumulations of waste materials, rubbish and windblown debris, resulting from construction operations. Remove crates and cartons in which materials, equipment, or fixtures are received to on-site containers daily.
      a. Maintain the property in a clean and orderly condition. Remove waste materials, debris and rubbish from the site on a daily basis and dispose of at legal disposal areas away from the site.
   2. Dust Control:
      a. Remove debris and rubbish from pipe chases, plenums and other similar closed or remote spaces prior to covering or enclosing the space.
      b. Sweep and vacuum clean interior surfaces before start of surface finishing and painting. Continue cleaning on an as-needed basis until finishing and painting is completed.
      c. Cleaning operations shall be acceptable to the Tenant's Construction Manager.

**SECTION 01630 - SUBSTITUTIONS**

1.1 General:

A. Products, including materials, equipment and systems described in the Contract Documents establish the standards of required function, dimension, appearance, quality and performance of the Work. Base all bids on the "Standards" indicated.

B. Requests by the Contractor for changes in products, manufacturers, fabricators, suppliers, installers, and methods of construction required by the Contract Documents are considered requests for "substitutions:" Substitutions will be considered only under the following conditions:
   1. The indicated "Standard" cannot be provided within the Contract Time
   2. The indicated "Standard" cannot receive necessary approval by the governing authority.
   3. A substantial advantage is offered the Owner, in terms of cost, time, energy conservation or other considerations of merit as determined by the Architect.

C. Submit each request for substitution to the Architect. Identify the product, manufacturer, fabricator, supplier, installer or the fabrication or installation method to be replaced in each request. Identify related Specification Section and Drawing numbers. Provide documentation as directed by the Architect.

D. Substitutions will not be considered when indicated on shop drawings or product data submittals without separate written request, when requested directly by subcontractor, manufacturer, fabricator, or supplier, or when acceptance will require substantial revision of the Contract Documents.

E. Substitute products, manufacturers, fabricators, suppliers, and installers shall not be used for the Project without Tenant and Architect's written acceptance.

**SECTION 01700 - EXECUTION REQUIREMENTS**

1.1 Preparation:

A. Protection of existing construction: Use all necessary care and appropriate means and methods to protect and prevent damage to existing construction and property not part of the Contract Work. Repair and refinish or replace construction an property damaged during construction work, at Contractor's expense.

1.2 Selective Demolition: Provide selective demolition as shown and specified.

A. Preparation:
   1. Coordinate work of this Section with work of various Contractors and Tenant's staff.
   2. Maintain protected access at all times.
   3. Erect and maintain weatherproof closures at exterior openings.
   4. Erect and maintain dust-proof interior partitions to prevent spread of dust or fumes.
   5. Erect and maintain barricades, enclosures, bracing, shoring, lights, warning signs and guards necessary for worker and public safety and protection of property.
   6. Disconnect, remove and cap designated utility services. Identify and mark locations of disconnected and capped utilities at the project site and on Project Record Documents.
   7. Notify and coordinate with the Tenant's Construction Manager and the building Owner for any demolition occurring outside the lease limit.
   8. Coordinate hours of operation and construction access with the Tenant's Construction Manager and the building Owner.

B. Selective Demolition
   1. Remove existing construction to accommodate new construction as indicated.
   2. Perform selective demolition in an orderly, systematic and careful manner with least possible disturbance to public and adjacent property. Use of explosives is prohibited.
   3. Immediately remove from the site and legally dispose of demolished materials, except as indicated otherwise. Do not burn or bury materials on the project site.

1.3 Cleaning

A. Final Cleaning: Perform final cleaning upon completion of project work.
   1. Remove waste and surplus materials, rubbish, tools, equipment and temporary construction facilities from the site.
   2. Clean exterior grounds; remove stains, spills and foreign materials from paved areas, power wash and sweep clean. Rake clean landscaped surfaces of the grounds.
   3. Remove temporary protection and labels not required to remain.
   4. Clean all finished surfaces. Remove grease, mastic, adhesives, dust, dirt, stains, fingerprints, labels and other foreign materials from exposed interior and exterior surfaces.
      a. Clean all plumbing, fire protection and electrical fixtures and equipment including ceiling area elevated ductwork and lighting fixtures.
      b. Clean permanent equipment filters and replace temporary disposable filters in mechanical units used during construction.
      c. Clean ducts, blowers and coils if mechanical units were operated without filters during construction.
   5. Clean interior and exterior glazing and mirrors, polish transparent and glossy surfaces and clean floors with appropriate materials and equipment.
   6. Remove waste, foreign material and debris from roofs, areaways and drainage systems.
   7. Before Tenant occupancy, conduct an inspection, with the Tenant, of exposed interior and exterior surfaces at all work areas, to verify that the entire work is clean.

1.4 Starting and Adjusting:

A. Prior to Substantial Completion, coordinate the start-up, test and balance, placement in operation and adjustment all systems, controls and equipment to verify proper operation. All systems shall be complete and operating prior to final inspection.

1.5 Contract Closeout:

A. Operation and Maintenance Data: Submit one operation and maintenance manual, bound in 8-1/2" x 11" text pages, three D side ring capacity expansion binders with durable plastic covers.
   1. Subdivide the binder contents internally with permanent dividers logically organized as described below. Provide tab titles clearly printed under reinforced laminated plastic tabs.
   2. Provide a table of contents with each product or system description identified.
   3. Provide a directory listing names, addresses, and telephone numbers of the project Architect/Engineer, Contractor, Subcontractors and major equipment suppliers.
   4. Prepare operations and maintenance instructions arranged by system and subdivided by specification section. Identify names, addresses, and telephone numbers of project Subcontractors and suppliers. For each category, identify the following:
      a. Significant design criteria.
      b. List of equipment.
      c. Parts list for each component.
      d. Operating instructions.
      e. Maintenance instructions for each equipment item and systems.
      f. Maintenance instructions for special finishes, including recommended cleaning methods and materials and special precautions for identifying detrimental agents.
   5. Submit operations and maintenance data to the Tenant with final application for payment in accordance with Exhibit C of the Construction Contract.

B. Record/As Built Documents:
   1. Prepare and maintain on site one set of the following record/as built documents:
      a. Contract Documents.
      b. Construction Documents.
      c. Change orders and other modifications to the Contract.
      d. Shop drawings, product data, and samples.
      e. Construction schedule.
   2. Store record/as built documents separate from documents used for construction.
   3. Record actual revisions to the Work, concurrently with construction progress.
   4. Legibly mark and record a description of actual products installed at each specification section, including the following:
      a. Manufacturer's name and product model and number.
      b. Approved product substitutions or alternates utilized.
      c. Changes made by addenda, change orders, and other modifications.
   5. Legibly mark each item to record actual construction, including the following:
      a. Measured depths of foundations in relation to finish first main floor datum.
      b. Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.
      c. Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of the work.
      d. Field changes of dimension and detail.
      e. Details not on original Contract Document drawings.
   6. Submit record/as built documents to the Tenant with final application for payment in accordance with Exhibit C of the Construction Contract.

C. Warranties and Bonds:
   1. Compile warranties and bonds required by the Contract Documents.
   2. Submit duplicate copies of warranties and bonds to the Tenant with final application for payment in accordance with Exhibit C of the Construction Contract.

D. Maintenance Materials and Spare Parts:
   1. Provide extra maintenance materials and spare parts in quantities indicated in the specification sections.
   2. Place in location as directed by the Tenant's Construction Manager.

**DIVISION 2 - SITE CONSTRUCTION**

1.1 General: Provide site construction work, including services, utilities, earthwork, paving and landscaping in accordance with the site construction work drawings and details.

**DIVISION 3 - CONCRETE**

**SECTION 03300 - CAST-IN-PLACE CONCRETE**

1.1 General: Provide cast-in-place concrete work in accordance with the General Structural Notes, structural drawing and details. Follow shell building documents for specifications, joints and geotech.

A. Standards: Materials and construction shall conform to the following:
   1. ACI 117 "Standard Tolerances for Concrete Construction and Materials."
   2. ACI 301 "Structural Concrete for Buildings."
   3. ACI 305R "Recommended Practice for Hot Weather Concreting."
   4. ACI 306R "Recommended Practice for Cold Weather Concreting."
   5. ACI 315 "Details and Detailing of Concrete Reinforcement."
   6. ACI 318 "Building Code Requirements for Reinforced Concrete."

2.1 Materials:

A. Under Slab Vapor Retarder: Stego Industries LLC, 877-464-7834, internet www.stegoindustries.com high density polyethylene Stego Wrap (10 mil) Vapor Barrier meeting or exceeding ASTM E1745 performance criteria for Class C vapor retarders.
   1. Seam Tape: High density polyethylene tape with pressure sensitive adhesive.
   2. Pipe boots: Shop or site fabricated from vapor retarder material and seam tape.

B. Concrete:
   1. Portland Cement: ASTM C150, Type I
   2. Aggregate: ASTM C33.
   3. Water: Clean and potable.
   4. Reinforcement: When required, comply with drawings reinforcement requirements.
   5. Compressive Strength: Minimum 3000 psi at 28 days.
   6. Admixtures: All admixtures shall be approved by the Tenant's Construction Manager prior to placement in the concrete mix.

C. Topping Concrete: When required to suit installation conditions, Ardex Diama-Top of Ardex Engineered Cements (888) 512-7339, internet www.ardex.com
   1. ULTRAFLOR ARDEX DIAMA-TOP, self-leveling concrete repair material.
   2. Any pinholes that need to be filled shall be filled with ARDEX DIAMA-FILL filling compound for polished concrete, concrete terrazzo and other cementitious wear surfaces applied at the appropriate time during the polishing process.
   3. The primer for areas to receive ARDEX DIAMA-TOP will be ARDEX EP 2000 Substrate Preparation Epoxy.
   4. Installation shall be performed by factory-trained professional applicators in strict accordance with manufacturer's installation instructions.

3.1 Installation

A. Vapor Retarder: Place, protect and repair vapor retarder sheets in accordance with ASTM E1643 and manufacturer's installation instructions.
   1. Provide a single layer of vapor retarder material over level compacted slab base.
   2. Lap joints and seams 6 inches and seal with seam tape.
   3. Seal all penetrations and repair damaged areas before concrete placement.

B. Reinforcement Place and inspect all reinforcing steel before concrete is placed.

C. Concrete Placement:
   1. Place cast-in-place concrete in accordance with ACI 301 and ACI 305R and 306R recommended practices for hot weather and cold weather concreting. Do not place concrete when temperature is below 40 degrees F.
   2. Wet cure concrete in accordance with ACI 301, using moist curing or moisture-retaining covers

D. Finish: Except where additional floor finish is scheduled, provide a smooth steel trowel finish.
   1. Exposed concrete used as a finish floor surface shall have a smooth finished surface, uniform in texture and appearance and free of trowel marks and other defects affecting ease of maintenance.
   2. Grind smooth surface defects as directed by the Tenant's Construction Manager.

E. Testing: When required, comply with drawings and specification sections testing requirements.

F. Topping Concrete: Prepare concrete floor slab substrate surfaces, prime substrate surfaces, mix, install and finish topping concrete in accordance with manufacturer's application instructions.

**SECTION 033600 - RESINOUS FLOORING**

1.1 General: Section includes: Decorative resinous flooring systems.

1.2 System Description:

A. Performance Requirements: Provide resinous flooring that has been manufactured and installed to maintain performance criteria stated by manufacturer without defects, damage or failure.
B. Alternate Flooring Options as approved by CMG DM: AlFlowing TerraQuartz (color: salt & pepper) -or- AlFlooring TerraSeal (color: medium gray)

1.3 Quality Assurance:

A. Qualifications:
   1. Installer Qualifications: Installer experienced in performing work of this section who has specialized in installation of work similar to that required for this project.
      a. Installer shall be an established company with at least 3 years experience in the installation of polymer floors.
      b. Contractor shall demonstrate the ability to undertake and complete the required work and furnish documentation regarding the successful completion of projects of similar size and complexity.
   2. Manufacturer Qualifications: Manufacturer shall be capable of providing technical support, qualified applicators, and approval of application methods.

B. Pre-installation Meetings: Conduct a pre-installation meeting to verify flooring system specifications (color, texture, etc.), substrate analysis, and manufacturer's installation instructions.

C. Pre-installation Testing: Conduct pre-installation testing as follows:
   1. Water Vapor Transmission: Calcium Chloride tests should be conducted to determine the amount of water vapor coming through the slab. The results should be compared to limitations set forth by the manufacturer.
   2. Core Sample Testing: (optional) Core samples should be taken and analyzed if the installer believes there to be a problem with the integrity of the substrate that may affect flooring system performance.

1.4 Delivery, Storage & Handling:

A. Ordering: Comply with manufacturer's ordering procedures and allow for enough lead-time for custom blends so as not to interfere with construction schedules.

B. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.

C. Storage and Protection: Store materials where they are protected from direct sunlight and harmful weather conditions. Meet manufacturer's condition for temperature, humidity, etc.

1.5 Project Conditions:

A. Environmental Requirements/Conditions: Substrate and ambient air temperatures shall be in accordance with manufacturer's requirements.

B. Temperature Requirements: Maintain air temperature in spaces where products will be installed for time period before, during and after installation as recommended by manufacturer.

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FOR CONSTRUCTION

08/13/2024

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Issue Record:

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|---|---|
| 01/09/24 | Permit Issue |
| 05/15/24 | Bid Issue |
| 08/13/24 | Construction Issue |

Revisions:

Project No.
01734

Architectural Specifications

G010

2.1 Materials:

A. Resinous Flooring: Manufacturer: aiflooring
   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 aiflooring 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 aiflooring TerraThane Satin, 90% solids polyurea topcoat, at a rate of 200 square feet per gallon. TerraGrip should be added to the TerraThane mix at a rate of 1 pint per 3 gallon kit for slip resistance. Note that TerraThane Satin must be metered out by notched squeegee prior to rolling.

B. Cleaning: Remove temporary coverings and protection of adjacent work areas. Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions prior to Owner's acceptance. Remove construction debris from project site and legally dispose of debris.

3.5 Protection:

A. Protection: Protect installed product and finish surfaces from damage during construction.

**SECTION 03395 - CONCRETE SEALING AND POLISHING**

1.1 General: Provide a sealed and polished concrete floor finish as shown and specified.

A. Standards
   1. American Society for Testing and Materials:
      a. ASTM-C779, Standard Test Method for Abrasion Resistance of Horizontal Concrete Surfaces.
      b. ASTM G23-81, Ultraviolet Light & Water Spray
      c. ASTMC805, Impact Strength
   2. American Concrete Institute
      a. ACI 302. 1R-89, Guide for Concrete Floor and Slab Construction

B. Submittals: Provide the following:
   1. Manufacturer's product data, specifications and installation instructions. Include Material Safety Data Sheets (MSDS) and identify application requirements, curing time and safety requirements.
   2. Certified test reports, prepared by an independent testing laboratory, confirming compliance with performance criteria.
   3. Manufacturer's certification that installer is a certified applicator of special concrete floor finishes, and familiar with manufacturer's installation procedures and requirements for the specified sealed and polished concrete floor finish.
   4. Manufacturer's and installer's written acceptance of substrate surface and installation conditions.

C. Quality Assurance:
   1. Installer Qualifications:
      a. Use a certified installer and adequate number of skilled workmen who are thoroughly trained and experienced in the necessary craft.
      b. The special concrete finish manufacturer shall certify the applicator.
      c. Applicator shall be familiar with the specified requirements and the methods needed for proper performance of work of this section. Applicator shall have not less than three years successful experience installing sealed and polished floor finishes similar to those required for this project.
      d. Provide a letter of certification from special concrete finish manufacturer stating that installer is a certified applicator and is familiar with proper procedures and installation requirements required by the manufacturer.
   2. Protection: Contractor shall provide all necessary materials, means, methods and procedures acceptable to the floor finish manufacturer and required to protect the concrete floor surface and provide a suitable substrate for the installation of the specified sealed and polished concrete floor finish.

D. Project Conditions:
   1. Comply with the floor finish manufacturer's environmental limitations for substrate temperature and moisture content, ambient temperature, and humidity, ventilation and other conditions affecting the special floor finish performance.
      a. Concrete must have an average Floor Flatness rating of at least 40.
      b. Concrete must have an average Floor Levelness rating of at least 40.
      c. Concrete must be cured a minimum of 28 days or as directed by the manufacturer before application of RetroPlate can begin. Wet cure of the concrete is preferred. No concrete sealer is necessary.
      d. Application of RetroPlate shall take place prior to installation of equipment, thus providing a complete, uninhibited concrete slab for application.
   2. Before general sealer/hardener application, prepare and coat a jobsite test area of size acceptable to the Architect, to verify and approve proper surface preparation, application techniques and coverage rate.
   3. Close finished floor areas to traffic during floor finish application and after application for time period directed by the floor finish manufacturer.
   4. The completed RetroPlated slab will be covered to prevent damage by the other trades during store completion.

2.1 Materials

A. Hardening/ Sealing Agent
   1. RetroPlate 99 manufactured by Advanced Floor Products Inc. (801) 812-3420 www.retroplatesystem.com
   2. RetroGuard Stain Inhibitor
   3. Joint Filler: CreteFill Pro 75. Two component 100% solids non-staining Polyurea Elastomer.
   4. Spall Repair: Multiple minor surface defects and irregularities: Crete Fill Spall Repair: High Strength hybrid urethane, two part 100% solids.
   5. Coefficient of friction for Retroguard finish shall not be lower than .40.
   6. Manufacturer's Representative: Contact Scott Maxfield at RetroPlate for a list of Certified Applicators (888)942-3144 scott.maxfield@retroplatesystem.com

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.

**SECTION 05400 - COLD-FORMED METAL FRAMING**

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

A. Standards: Materials and construction shall conform to following:
   1. AISI SG02.2-01 "Design of Cold-Formed Steel Structural Members."
   2. AWS "Structural Welding Codes, D1.3-Sheet Steel."

2.1 Materials:

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

B. Load-Bearing Cold-Formed Metal Framing: ASTM A1003, Gage, Grade and Type indicated.
   1. Components: Provide sizes and shapes indicated.
   2. Finish: Galvanized complying with ASTM A653, minimum G60 coating.

C. Fabrication:
   1. Cold-formed metal framing may be prefabricated into panels before erection. Fabricate panels plumb, square, true to line and braced against racking with joints welded.
      a. Provide one-piece full-length cold-formed metal framing members. Splicing not permitted.
   2. Attach and join other components by welding or screw fasteners, as indicated. Wire tying of framing components is not permitted.
   3. Cut framing to fit squarely for attachment to perpendicular members or as required for angular fit against abutting members. Hold members securely in position until properly fastened.
   4. Saw cut field cut framing. Torch cutting not acceptable.

3.1. Installation:

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

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

**SECTION 05500 - METAL FABRICATIONS**

1.1 General: Provide metal fabrications as shown and specified.

A. Submit shop drawings for the following:
   1. Patio Rail systems.
      a. Show thickness, size, construction and manner of assembling various members, joint locations and railing layout.
      b. Show true profiles, connections and relationship to adjoining work and methods of anchoring.

2.1 Materials

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

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: Mil finish.

E. Patio Railing System
   1. Submit shop drawings including the following:
      a. Show thickness, size, construction and welding, as well as assembly drawings.
      b. Show true profiles, connections of all typical joint configurations
      c. Show installation (fastening) and proposed grout (non-gypsum base)
      d. Show gate detail and gate hardware manufacturer and model number
      e. Patio railing plan, with dimensions and panel assembly locations.
   2. Fabrication
      a. Patio rails and gate shall be fabricated from steel flat bar, 3/8" x 2 1/2", grade A36.
      b. Corner connector angles shall be 2 1/2" x 2 1/2" x 1/4" steel L angle.
      c. Gate hinges shall be a self-closing, adjustable tension type. Hinge installation shall be drilled and tapped. Permanently welded are unacceptable.
      d. Gate stop shall have a rubber cushion stop and be affixed to the active gate.
      e. All corners and joints shall be seal welded and outside joints ground smooth.
      f. All welding spatter shall be removed before sand blasting.
   3. Finish
      a. Patio railing shall be painted PPG Durethane, color 518-6 Knight's Armor. Refer to Section 09900 - Paints and Coatings for preparation.

F. Exposed Fasteners:
   1. Diamond Plate: #8 x 1" bevel headed stainless steel screw.
   2. Patio Railing:
      a. All fasteners shall be stainless steel and powder coated to match railing sections.
      b. Spacer washers separating railing sections shall be 1 1/2" diameter and 1/2" thick they shall be one piece thick washers and not comprised of stacking washers
      c. Spacer washers shall be used on all straight sections and when railing panels join at 90 degree corner angles.

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

3.1 Installation: Comply with the Architectural Drawing details and the following:

A. Exposed Fasteners:
   1. Flat Metal Panels: Provide 18" vertical and horizontal pattern or spaced equally if 18" pattern does not finish evenly. Exposed fasteners shall remain unpainted in natural factory supplied finish.
   2. Diamond Plate: Provide counter sunk fasteners at perimeter of panels at 2'-0" on center maximum as well as fully adhering to surface.

B. Stainless Steel:
   1. Wall:
      a. Clean stainless steel panel with mineral spirits.
      b. Install stainless steel panels with Henry 117 oil based adhesive applied to wall with 1/8" notch tooth trowel.
      c. Trim seams as indicated on the Drawings. No exposed fasteners.

C. Diamond Plate:
   1. Wall: Mount over plywood substrate w/ flush exposed fasteners.
   2. Floor: Provide continuous bead of silicone sealant to back side perimeter of plate prior to installation.
   3. Mount with exposed fasteners. Provide continuous bead of silicone sealant to perimeter of plate after installation.

D. Patio Railing System:
   1. Railing posts shall be set 6" deep into a core drilled hole, 4"-6" diameter
   2. Railing posts shall be grouted in using non gypsum quick set grout.
   3. Railing posts shall be set in grout plumb and level, with a tolerance of 1/8" in 4 feet.

E. Hand-inspect all joints and edges of installed metal materials. Unless otherwise indicated, fit exposed connections accurately together to form tight hairline joints. Grind and ease exposed joints, and edges smooth and free of burrs.

DIVISION 6 - WOOD AND PLASTICS

**SECTION 06100 - ROUGH CARPENTRY**

1.1 General: Provide rough carpentry work as shown and specified.

A. Standards: Materials and construction shall conform to following:
   1. NIST PS-1-95 "Construction and Industrial Plywood."
   2. NIST PS-2-95 "Performance Standards for Wood-Based Structural-Use Panels."
   3. NIST PS-20-99 "American Softwood Lumber Standard."
   4. NF&PA NDS-97 "Wood Construction and Supplement."
   5. AWPA "Wood Treatment Standards."

2.1 Materials:

A. Lumber: Factory grade-marked, dressed, seasoned dimension lumber, S4S, air-dried, maximum 19% moisture content complying with PS-20, dimensions indicated.
   1. Blocking, nailers and similar members: Standard Grade Western Dimension Lumber or Southern Pine species.
      a. Provide preservative treated lumber, where indicated.

B. Plywood: Factory grade-marked, complying with PS-1, square edge, 5/8" thick.
   1. APA-RATED SHEATHING EXP1.
      a. Provide Exterior Grade (EXT) plywood, where indicated.
      b. Provide fire-retardant treated plywood, where required by Building Code.

C. Oriented Strand Board (OSB): Factory grade-marked, complying with PS-2, square edge, 5/8" thick

2.2 Wood Treatment:

A. Preservative Treatment: Comply with applicable requirements of AWPA Standards C2 (Lumber).
   1. Pressure preservative treat lumber with water-borne preservatives, acceptable to authorities having jurisdiction, to a minimum retention of 0.25 pcf.
   2. Treat wood blocking, nailers and similar members in connection with roofing and flashing.
   3. Treat wood plates, blocking, furring and similar concealed members in contact with masonry or concrete.

B. Fire-Retardant Treatment: Comply with applicable requirements of AWPA Standards C27 (Plywood). Identify "fire-retardant-treated plywood" with appropriate UL classification marking.
   1. Treated materials shall meet "Interior Type A" FR-S ratings of not more than 25 for flame spread, smoke developed and fuel contributed when tested in accordance with UL 723 or ASTM E84, with no increase in flame spread and evidence of significant progressive combustion upon continuation of test for additional 30 minutes.

C. Kiln-dry all treated lumber and plywood materials after treatment to maximum 15% moisture content.

3.1 Installation:

A. Lumber: Provide wood blocking, nailers and similar members where shown and where required for attachment of other work and surface applied items. Attach to substrate as required to support applied loading.
   1. Use only sound, seasoned materials of longest practical lengths and sizes to minimize joints.
   2. Use materials free of warp. Make tight connections between members.

**SECTION 06210 - FINISH CARPENTRY AND MILLWORK**

1.1 General: Provide finish carpentry and millwork as shown and specified.

A. Standards: Materials and construction shall conform to the following:
   1. AWI "Architectural Woodwork Quality Standards - 1999."

B. Doors and door hardware: Install all door hardware furnished under Division 8 specification Sections.

C. Submit shop drawings for designated millwork.
   1. Include complete details, materials lists and drawings showing fabrication of typical units, unit assemblies, locations and installation details.
   2. List proposed cabinet hardware to suit indicated unit use or function.
   3. Identify materials required to complete work ready for installation.
   4. Obtain shop drawing approval before starting fabrication.

2.1 Materials:

A. Plywood: AWI Section 200
   1. Concealed use substrates: CDX, D-3 Paint Grade hardwood plywood, with aspen veneer core, 5/8" thick. (OSB is an alternative as allowed by Chipotle DM)
   2. Exposed to view finishes:
      Random plank matched or slip and swing matched spalted maple veneer on 3/4" Baltic birch core, with mill option sound grade hardwood backer. Spalted maple grain to run horizontally .5 sheen matte clear waterborne finish. Panels to be provided at 47" height, with widths varying from 24" to 95".

B. Millwork: Materials and construction as detailed on the Drawings.

C. Fabrication:
   1. Millwork design and fabrication details shown on the drawings indicate design intent. Unless otherwise indicated, provide manufacturer's standard fabrication methods. Indicate all proposed variations from the drawing design and fabrication details on shop drawings.
   2. Fabricate millwork in accordance with AWI "Custom Grade" requirements. Where details are not shown, comply with applicable Quality Standards or with alternate details acceptable to Architect as fabricator's option.
   3. Fabricate finished work properly framed, closely fit and accurately set to required lines and levels and rigidly secured in place.
   4. Fabricate work straight, plumb, level and in true alignment; neatly and accurately fit, scribed and thoroughly secured. Plane and sand miters and other joints. Ease all square edges. Provide millwork clean and free from warp, twist, open joints and other defects.
   5. Provide finished woodwork dressed and sanded free from machine and tool marks, abrasions, raised grain or other defects on surfaces exposed to view in finished work.

D. Finish:
   Sayerlack Hydroplus Waterborne Clear, 5 sheen for spalted veneer

3.1 Installation

A. Install finish carpentry and millwork products plumb, level, true and straight with no distortion. Shim as required using concealed shims. Install to a tolerance of 1/8" in 8'-0" for plumb and level (including countertops) and with 1/16" maximum offset in flush adjoining surfaces, 1/8" maximum offsets in revealed adjoining surfaces.
   1. Scribe and cut finish carpentry and millwork products to fit adjoining work.
   2. Anchor finish carpentry and millwork items to built-in place blocking, furnished under Section 06100, or directly attach to substrate framing. Secure to grounds, blocking and nailers with countersunk, concealed fasteners and blind nailing as required for a complete installation.
   3. For installation of prefinished millwork wall panels, use finish nails for exposed nailing, installed with pneumatic nailer as per the following guidelines:
      a. Nailer to be set for countersunk head approximately 1/8" on the face.
      b. Use 16 ga straight finish nails in 2" length
      c. Provide "dab" of construction adhesive on backside of panels at regular intervals.
      d. Random placement preferred, do NOT group nails together.
      e. No nails closure than 2" from any edge.
      f. All nails to be no greater than 16-18" apart in any direction.
      g. When using digial printed MDF panels, plan the layout so adjacent panels do not have the same artwork
   4. Touch-up shop finished materials marred or damaged during delivery, storage and installation with custom blended polyurethane to equal Minwax "Wipe on Poly".

B. Install casework without distortion so that doors and drawers will fit openings properly and be accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation.

C. Install plastic laminate countertops, shelving and trim. Provide work level, true to alignment, accurately fit to wall conditions and securely fastened to base units and other support systems as indicated.

**SECTION 06605 - FIBERGLASS REINFORCED PLASTIC PANELS**

1.1 General: Provide fiberglass reinforced plastic panels as shown and specified.

2.1 Materials:

A. Manufacturer: Marlite, (330) 343-6621, internet www.marlite.com.

B. Panel System: 'P6' Per Finish Schedule, Series: Standard FRP - "Marlite Class 1/A" Fiberglass Reinforced Polyester (FRP) Panels, 3/32" thick, 48" wide x full height required. Color: P100 White, Class A, pebbled matte surface texture. USDA approved for incidental food contact.
   1. Panel trim: Extruded PVC, color matching panel color. Provide 1/2" x 1/2" inside corners, edge trim, and division moldings as required to complete the installation.
      a. Inside Corner - M350
      b. Outside Corner - M360
      c. Division - M365
      d. Edge - M370
   2. Panel trim: Stainless Steel, color matching panel color. Provide 1-1/2" x 1-1/2" outside corners as required to complete the installation.
   3. Sealant: Marlite "Silicone Sealant", white gunnable silicone sealant.
   4. Panel adhesive: Marlite "C-551" water-based construction adhesive for panel application over porous surfaces.

C. Panel System: 'P2' Per Finish Schedule, Series: Standard FRP - "Marlite Class 1/A" Fiberglass Reinforced Polyester (FRP) Panels, 3/32" thick, 48" wide x full height required. Color: S100G White, smooth matte surface texture. USDA approved for incidental food contact.
   1. Panel trim: Extruded PVC, color matching panel color. Provide division moldings as required to complete the installation.
      a. Edge - M370
   2. Sealant: Marlite "Silicone Sealant", white gunnable silicone sealant.
   3. Panel adhesive: Marlite "C-551" water-based construction adhesive for panel application over porous surfaces.

D. Alternate Panel 'P2' per Finish Schedule: Color: S100 S/2/S White, smooth matte surface texture.

3.1 Installation

A. Install the FRP system products using panel adhesive in accordance with the manufacturer's instructions and layout as shown in drawings.
   1. Install panels plumb, level, true and straight with no distortion; providing a continuous bead of silicone sealant in each joint and trim groove and between trim and adjacent construction.
   2. Provide corner trim, closure trim at intersections of dissimilar materials and moldings at abutting panels.

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FOR CONSTRUCTION

08/13/2024

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Issue Record:

| | |
|---|---|
| 01/09/24 | Permit Issue |
| 05/15/24 | Bid Issue |
| 08/13/24 | Construction Issue |

Revisions:

Project No.
01734

Architectural Specifications

G011

**SECTION 07512 - ROOFING SYSTEM REPAIR**

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

A. Coordination: Before starting work, verify with the Tenant's Construction Manager and the Owner the following:
1. Existing roof system materials and installation methods.
2. Repair work responsibilities and warranty requirements. To maintain original warranty, where provided use original roof contractor.

B. Qualifications: Repair work shall be performed only by an experienced roofing installer approved or licensed by the existing roofing system materials manufacturer; with not less than five years of successful experience installing and repairing roofing systems similar to this projects existing roofing system.

2.1 Materials:

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

3.1 Installation:

A. Preparation: Inspect roof surface conditions with roof manufacturer's representative to verify extent and location of any other repairs required to ensure a watertight roofing system upon completion of the repair work.

B. Make necessary repairs. Match existing roof slope, insulation materials and roofing membrane materials, except as otherwise approved by the existing roofing system manufacturer to accommodate new construction and repair work.

C. Install curb flashing furnished by mechanical and electrical trades for new roof top equipment.

**Section 07900 – JOINT SEALERS**

1.1 General: Provide joint sealers as shown and specified.

A. Standards:Comply with ASTM C 920 requirements.

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

2.1 Materials:

A. Poly urethane sealants:
1. Tremco Commercial Sealants (800) 321-7906, internet www.tremcosealants.com,
   a. "Dymonic FC" One component, fast skinning, Low Modulus Polyurethane.
   b. "Dymeric 240 FC" Multi Component, gun grade, chemically curing, tintable fast setting polyurethane sealant.
2. Sonneborn, (724) 756-9582, internet www.sonneborn.com
   a. Color pack for polyurethane multi component, gun grade chemically curing sealant.

B. Silicone Sealants:
1. General Electric Silicones, (480) 528-6923, Jeff.kelly@versico.com
   a. "SCS1700 Sanitary – Mold/Mildew Resistant Silicone", one component 100% silicone, fungicidal based sealant.
   b. "SCS2700 Silpruf Silicone" one component medium modulus, natural cure silicone all purpose sealant.
   c. "Silglaze II SCS2800- Glazing Sealant" one component, 100% silicone based sealer.
   d. "GE Paintable Silicone" one component paintable silicone.
   e. "SCS1009 Silicone Sealant" one-component acetoxy silicone for general purpose sealing and bonding
2. Dow Corning Silicones, (989)496-4000, www.dowcorning.com
   a. "Dow 795" – one component, medium modulus, natural cure silicone.

C. Firestopping Sealants: 3M Fire Protection Products, (800) 328-1687, internet www.3M.com/firstop
1. "3M Fire Barrier CP 25WB+ Caulk" or approved equal

D. Joint backing: Non-absorptive, non-staining compressible, non-gassing, polyethylene foam backer rod compatible with joint sealants.

3.1 Installation:

A. Preparation: Clean and prepare joints prior to installing sealers:
1. Wipe shipping oils from surfaces to be sealed. Remove protective films and/or install joint backer rod if joint is larger than ¼" in width.

B. Installation: Install joint sealant materials in strict accordance with manufacturer's installation instructions.
1. Apply sealants in a uniform, continuous bead without gaps or air pockets. Hand tool and finish all joints so that a smooth, small, lip free uniform line is created along the substrate being shot. Remove any excess materials from tooled edges and ends of joint.
2. Install joint sealants to a depth no more than ½ the width of the joint.
3. Install sealants by proven techniques that result in sealants directly contacting and fully wetting joint substrates, completely filling recesses provided for each joint configuration, and providing uniform, cross-sectional shapes and depths relative to joint widths which allow optimum sealant movement capability.
4. Immediately, after sealant application, and prior to time skinning or curing begins, tool sealants to form smooth, uniform beads of configuration indicated to eliminate air pockets, and to ensure contact and adhesion of sealant with sides of joint. Remove excess sealants from surfaces adjacent to joint. Do not use tooling agents which discolor sealants or adjacent surfaces or are not approved by sealant manufacturer.
5. Clean off excess sealants or sealant smears adjacent to joints as work progresses by methods and with cleaning materials approved by manufacturers of joint sealers and of products in which joints occur.

4.1 Sealant Schedule:

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

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

C. Cooking Area:
- Provide a continuous bead of white GE SCS1700 silicone at the following locations:
  1. Top of wall tile to sheetrock ceiling.
  2. Ceiling diffusers perimeters to sheetrock ceiling.
  3. Ceiling pipe penetrations.
  4. Wall tile to aluminum walk thru surround.
  5. Tile wall penetrations/escutcheons perimeters.
  6. FRP wall panels to sheetrock ceilings.
  7. FRP wall panels to aluminum end wall plates.
  8. FRP inside corners to FRP wall panels. Both sides of corner piece.
  9. Sink to white wall tile.
  10. Paper towel dispenser/soap dispenser to white tile.
  11. POS/Serving counter to wall tile.
  12. Stainless shelf behind grill to wall tile.
  13. Faucets to ceramic wall tile.
- Provide a continuous bead of aluminum GE SCS1009 silicone at the following locations:
  1. Joint between hood and closure skirt.
  2. Joint between hood support and hood. Both sides.
  3. Connection joint between stainless shelf behind grill.
  4. Hood to tile walls & sheetrock ceiling.
  5. Hood gusset to wall tile on both sides.
  6. Sink to bronze wall tile.
  7. Paper towl dispenser/soap dispenser to bronze tile.
  8. DML counter to bronze tile.
- Provide a continuous bead of dark gray GE SCS2000 at the following locations:
  1. Base of equipment to concrete curbs/quarry tile.
- Provide a continuous bead of bronze GE SCS2097 at the following locations:
  1. Ceramic tile inside corners.
  2. Ceramic tile to aluminum end wall plates.

D. Restrooms:
- Provide a continuous bead of white GE SCS1700 silicone at the following locations:
  1. Top of FRP to sheetrock ceiling or top of FRP trim to sheetrock wall.
  2. Perimeter of toilets/urinals to floor or FRP.
  3. Perimeter of mirror to FRP.
  4. Sink to wall.
  5. Perimeter of paper towel/garbage unit to wall.
  6. Toilet paper/napkin disposals units to walls.
  7. Stainless shelf to wall.
  8. Wall penetrations under sink and or escutcheons to perimeters.
  9. Hollow metal door frames to FRP.
  10. Base of FRP wall panels to top of wall base.
  11. FRP inside corners to FRP wall panels.
- Provide a continuous bead of black GE SCS2000 silicone at the following locations:
  1. Base of black rubber wall base to floor.
- Provide a continuous bead of dark gray GE SCS2000 silicone at the following locations:
  1. Base of hollow metal door frames to floor.

E. Dining area:
- Provide a continuous bead of white GE SCS1700 silicone at the following locations:
  1. Wall tile to sheetrock walls.
  2. Perimeter of aluminum storefront/windows/entrances to sheetrock walls.
  3. Wainscot wall panels (Stonewood or other) to painted walls.
  4. Diffuser/louvers perimeters to sheetrock walls.
  5. Hollow metal door frames to painted walls - if needed.
  6. Frame of service line counter to tile (joint to be caulked behind front face panels of counter).
  7. Wall tile at serving line wall to POS counter.
- Provide a continuous bead of black GE SCS2000 silicone at the following locations:
  1. Base of black rubber to floor (concrete or quarry tile) and gyp. bd. wall.
  2. Wainscot (Stonewood or other) wall panels to sill of aluminum storefront/ windows.
  3. Vertical edge of wainscot (Stonewood or other) wall panels to frames/painted walls/tile (ONLY if joint is uneven or plywood is showing).
  4. Stonewood panels at serve line.
- Provide a continuous bead of aluminum GE SCS1009 silicone at the following locations:
  1. Base of garbage surround to floor.
- Provide a continuous bead of Dow 795 silicone at the following locations:
  1. Sill of aluminum storefronts to concrete or tile floor. Color to be determined per store to match storefront (Charcoal/Anodized Aluminum/Dark Bronze).

F. Utensil Counter:
- Provide a continuous bead of aluminum GE SCS1009 silicone at the following locations:
  1. Stainless countertop to backsplash. Horizontal & vertical joints.
  2. Base of Coke machine to countertop.
  3. Perimeter of tea drain tray to countertop.
  4. Stainless backsplash to white tile walls/painted walls.
- Provide a continuous bead of white GE SCS1700 silicone at the following locations:
  1. Coke line bundle to PVC cap.

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

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

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

DIVISION 8 - DOORS AND WINDOWS

**SECTION 08110 - STEEL DOORS AND FRAMES**

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

A. Standards: Materials and construction shall conform to the following:
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. Manufacturer: A member of the Steel Door Institute (SDI).

2.1 Materials:

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.

2. Exterior: Extra heavy-duty Level 3, physical performance A, Model 2 seamless construction, ASTM A1008, 16 gage cold-rolled steel face sheets; tops and bottoms closed with flush galvanized steel caps, manufacturer's standard plastic foam insulating core.

B. Steel Frames: ASTM A1008, 16 gage cold-rolled steel.
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. 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. Shop painting: Clean and paint exposed surfaces of steel door and frame units. Apply one baked-on shop coat of rust-inhibitive prime paint in accordance with ANSI A250.10, unless doors and frames are used at the restrooms or as indicated on door hardware and finish schedule. Provide a uniformly finished surface ready to receive finish paint.

3.1 Installation:

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

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

**SECTION 08710 - DOOR HARDWARE**

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

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

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

2.1 Materials:

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

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

3.1 Installation

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

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

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

**DIVISION 9 -- FINISHES**

**SECTION 09260 - GYPSUM BOARD SYSTEMS**

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

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

2.1 Materials:

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

B. Metal framing: Comply with ASTM C 754 and ASTM C 645 for materials and sizes.
1. Partition metal framing:
   a. Studs: Galvanized steel, C-shaped, sizes indicated, 20 gage "ST20"
   b. Runners: Match studs, type recommended by stud manufacturer for floor and ceiling support of studs. Provide flexible ceiling runners for full height metal stud framed partitions continuous from floor to underside of structural members or deck above.

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

D. Gypsum board panels: USG "Sheetrock" complying with ASTM C1396, tapered edge face panels, 48" wide, in maximum lengths available to minimize end joint conditions, 5/8" thick.
1. General use panels: Sheetrock Regular panels.
2. Fire rated panels: Sheetrock Firecode Core panels.
3. Water-resistant: panels: Sheetrock HUMITEK panels.

E. Cement board: USG DUROCK Cement Board, 5/8" thick x manufacturer's standard width, complying with ANSI A118.9, and in maximum lengths available to minimize end-to-end butt joints.

F. Fasteners: USG Type "S" bugle head screws for metal framing, USG Type "W" bugle head screws for wood framing, manufacturer's recommended length for panel thickness indicated.

G. Trim: Galvanized steel with knurled and perforated flanges. USG Dur-A-Bead corner bead, No. 200B casing bead metal trim, No. 093 Control Joint.

H. Joint treatment: USG Joint Treatment System, utilizing "Sheetrock Brand Joint Tape", and "Sheetrock Brand Setting-Type (DURABOND)" compound for tape bedding and topping.

I. Adhesives: USG "Sheetrock Brand Setting-Type (DURABOND) 210 or 90" compound for tape bedding and topping.

J. Acoustical sealant: USG Sheetrock Acoustical Sealant, water-base type, gunnable sealant for sealing sound-rated gypsum board systems.

K. Sound attenuation insulation: USG Thermafiber unfaced 3-1/2" thick, mineral fiber insulating batts/blankets; standard lengths and widths required to coordinate with spaces insulated.

3.1 Installation

A. Install metal wall and partition framing and ceiling suspension/ support systems in accordance with USG Bulletin SA 923 and complying with ASTM C754.
1. Ceiling suspension/ support systems: Metal furring system/direct suspension or steel stud framing system.
2. Wall and partition framing:
   a. Install steel studs per schedule or at spacing indicated with bottom and top runner tracks anchored to substrates. Provide flexible ceiling runner tracks at full height partitions.
   b. Terminate partition stud system 4" above ceilings, except where indicated to be extended to structural support or roof deck above. Brace tops of partition framing to structure or roof deck at maximum 4'-0" on center spacing.
   c. Frame openings more than 2'-0" wide with two 20 gage studs at each jamb.
   d. Coordinate the installation of supplementary blocking and nailers, provided under Section 06100 work, to support shelving, millwork, toilet accessories, and similar work that cannot be adequately supported by gypsum board alone.

B. Application and Finishing: Install and finish gypsum board to comply with ASTM C 840 and Gypsum Association GA 216 "Recommended Specifications for the Application and Finishing of Gypsum Board."
1. Screw fasten all gypsum board panels.
2. Metal Trim: Install metal corner beads at external corners of gypsum board work and metal trim wherever edge of gypsum board would be exposed. Use longest practical lengths.
3. Control Joints: Locate and install control joints in accordance with USG Bulletin SA923 "Good Design Practice" recommendations.

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

D. Finishing:
1. Comply with manufacturer's instructions for mixing, handling, and application of materials. Apply treatment at joints both directions, at flanges of trim accessories, penetrations of gypsum board (electrical boxes, piping, and similar work), fastener heads, surface defects, and elsewhere as indicated. Apply in manner that will result in each of these items being concealed when applied decoration has been completed.
2. Apply joint tape at joints between gypsum boards, except where trim accessories are indicated.
3. Interior Exposed Gypsum Board Finish: Level 5 Finish.
   a. Locations: Typical for all walls and ceilings, unless otherwise indicated
   b. Finish interior gypsum board by applying the following joint compounds in four coats (not including prefill of openings in base), and sand between coats and after last coat:
   c. Embedding and First Coat: Setting-type joint or taping compound.
   d. Fill (Second) Coat: Setting-type topping compound.
   e. Fill (Third) Coat: Setting-type topping compound.
   f. Finish (Fourth) Coat: Skim coat entire surface.
4. Interior Concealed Gypsum Board: Level 3 Partial Finishing.
   a. Finish concealed gypsum board construction that requires finishing same as exposed gypsum board construction, except the third coat and sanding can be omitted.

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

**SECTION 092816 - GLASS-MAT FACED GYPSUM BACKING BOARDS**

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

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

2.1 Materials:

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

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

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

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

3.1 Installation

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

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

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

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Issue Record:

| | |
|---|---|
| 01/09/24 | Permit Issue |
| 05/15/24 | Bid Issue |
| 08/13/24 | Construction Issue |

Revisions:

Project No.
01734

Architectural Specifications

G012

## SECTION 09330 - QUARRY TILE

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

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

2.1 Materials:

A. Manufacturers:
   1. Quarry Tile: Daltile, (877) 556-5728, internet: http://daltile.com
      a. For ordering purposes, email all orders to chipotle@daltile.com
   2. Waterproofing, Setting and Grouting Materials:
      a. Setting and Grouting Materials and Tile Base Membrane: Mapei
         i. For ordering purposes, email all orders to chipotle@daltile.com
         ii. For technical questions, contact Mapei, (800) 992-6273, internet: www.mapei.com
   3. Stainless steel Outside Corner Cove Base by Decimet Sales Inc.
      a. For ordering purposes, email all orders to chipotle@daltile.com

B. Quarry Tile: Daltile 6" x 6" x 1/2" Quarry Textures with 5" base as scheduled on finish plan and appropriate trim; Color: "Ashen Gray" 0T03
   1. Entire Kitchen Area: Provide non-abrasive finish quarry tile.
   2. Rest Rooms: Provide non-abrasive finish quarry tile.
   3. Outside Corner Cove Base (Kitchen): 5 1/2" Stainless steel corner by Decimet Sales Inc.
   4. Inside Corner Cove Base: #QB-3565 1" x 5"
   5. Bullnose Coveless Base: #Q-1665, 6" x 6".
   6. Bullnose Corner Coveless Base: #QCRL-1665, 6" x 6".

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

3.1 Installation

A. Preparation: Clean substrate surfaces, scheduled to receive quarry tile, thoroughly and remove all coatings that may impair bond.
   1. Center tile fields both directions in each floor area. Adjust layout to minimize tile cutting. Avoid tile less than one-half size. Locate cuts to be least conspicuous.
   2. Maintain units uniformly "in plane." Provide straight, uniform joint widths and grout lines.

B. Elevated Floor Slabs: Install waterproofing membrane at elevated floor slab surfaces scheduled to receive quarry tile floor finish. Install membrane materials in accordance with manufacturer's installation instructions to produce a waterproof membrane of uniform minimum 30 mil thickness bonded securely to substrate.
   1. Extend waterproofing up vertical wall surfaces minimum 10" high.
   2. Extend membrane down into floor drain flanges to assure continuous waterproofing at drainage points.

C. Wet Areas: Install waterproofing membrane at all quarry tile wall base. Install membrane materials in accordance with manufacturer's installation instructions to produce a waterproof membrane of uniform minimum 30 mil thickness bonded securely to substrate.
   1. Extend waterproofing up all vertical wall surfaces receiving quarry tile base minimum 10" high. Extend waterproofing membrane 10" minimum horizontally from all vertical wall surfaces receiving quarry tile base.

D. Installation: Install, grout and clean ceramic tile in accordance with referenced TCA installation details and ANSI standard specifications for setting methods scheduled.
   1. Floors: Latex-portland cement mortar on concrete; TCA detail F113 and ANSI A108.5, grout ANSI A108.10.
   2. Base: Latex-portland cement mortar on cement board.
   3. Outside stainless steel Corner Cove Base: Install a day prior to quarry tile base. Apply adhesive liberally to the back of the corner cove base and press and tape firmly in place until adhesive has set. Neatly caulk the top of the stainless with GE Silicone II (color Aluminum).
      a. Over Cement Board: Bond with GE Silicone II, 100% silicone sealant for aluminum and metal.
      b. Over Stainless Steel: Bond with Hydroment Ultra-Set.

## SECTION 09340 - CERAMIC TILE

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

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

2.1 Materials:

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

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

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

D. Grout:
   1. Kitchen Tile or as noted in plans
      a. Mapei, Series - Flexcolor CQ - Gray #09, 1/8" grout joints.
   2. Accent Tile
      a. Mapei, Series - Flexcolor CQ - Chocolate #07, 1/8" grout joints.

3.1 Installation

A. Preparation: Clean substrate surfaces scheduled to receive ceramic tile thoroughly and remove all coatings that may impair bond.
   1. Protect surrounding work from damage.
   2. Remove any curing compounds or other contaminates.
   3. Vacuum clean surfaces and damp clean.
   4. Install cementitious backer board or glass-mat faced gypsum backing board as indicated in drawings in accordance with ANSI A108.11 and board manufacturer's instructions. Tape joints and corners, cover with skim coat of dry-set mortar to a feather edge.
   5. Prepare substrate surfaces for adhesive installation in accordance with adhesive manufacturer's instructions.

B. Kitchen:
   1. Install, grout and clean ceramic tile in accordance with referenced TCA installation details and ANSI standard specifications for setting methods scheduled.
   2. Lay tile in horizontal stack bond, following detail drawings for layout considerations. Horizontal rows of tile shall be full-height courses, unless noted otherwise.
   3. Arrange pattern so that a full tile or joint is centered on each wall horizontally and that no tile less than 1/2 width is used at the ends of the wall. Exception: when one end of the wall is a tile-to-gypsum board transition. Do not interrupt tile pattern through openings.
   4. Use specified stainless steel corner guards at tile-to-tile and tile-to-FRP outside corners.
   5. Use corner bead of 100% silicone sealant, color to match grout, at inside corners where tile meets tile.
   6. Use corner bead of 100% silicone sealant, white, at inside corners where tile meets paint gyp. board, tile meets FRP or tile meets aluminum.
   7. Cut and fit tile to penetrations through tile, leaving sealant joint space. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make joints watertight, without voids, cracks, escess mortar, or excess grout.
   8. Sound tile after setting. Replace hollow sounding units.
   9. 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.
   10. Clean tile and grout surfaces.

## SECTION 09510 - SUSPENDED CEILING SYSTEMS

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

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

B. Related Sections:
   1. 09515 Cementitious Wood Fiber Acoustical Panels: Suspension system.

2.1 Materials:

A. Manufacturer:
   1. USG Interiors, Inc., (800) 950-3839, www.usg.com
   2. Pittcon Industries, (800) 637-7638, www.pittconindustries.com

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

C. Light Pocket: Pittcon "LP-700-800", White, Height of cove should be field verified by GC to end on a full tile height.
   1. Note: Light Pocket can have up to 6 week lead time and should be ordered as soon as possible
   2. Light pocket endcap should only be installed when the end of the cove is not against a wall.

D. Suspension System: Provide intermediate duty, structural class, direct hung systems adequate to support light fixtures, ceiling diffusers and other normal accessories.
   1. Exposed "Tee" Grid System for use with Lay-In Ceiling panels: USG "Donn DX System" non-fire rated with 15/16" exposed face, cold-rolled galvanized steel with aluminum face cap, white paint finish on exposed surfaces. Provide hemmed edge aluminum wall angles, 15/16" exposed leg, white paint finish matching exposed grid.
   2. Concealed "Tee" Grid System for use with Painted Gypsum Board Ceilings & Soffits or with Cementitious Wood Fiber Acoustical Panels (Tectum): USG "DGLW" Heavy Duty Drywall Suspension System with 1 5/8" deep by 1 1/2" wide main tees and 1 1/2" deep by 1 1/2" wide cross tees.
   3. Hanger Wire: No. 12 SWG galvanized steel wire.

3.1 Installation

A. Install acoustical ceiling materials and suspension systems in strict accordance with manufacturer's recommendations, complying with governing regulations and industry standards applicable to the work.

B. Suspension system installation shall be laser leveled with a maximum surface leveling tolerance of 1/8" in 12'-0".

C. Install exposed Tee suspension systems with main tees nominally 12 ft long spaced 48 in O.C. and cross tees nominally 4 feet long spaced 24 in O.C.
D. Install concealed Tee suspension systems with main tees nominally 12 ft long spaced 24 inches O.C. and cross tees nominally 2 ft long spaced 48 in O.C.

E. Hanger wire shall be spaced 48" O.C. along main tees, at all four corners of light fixtures (where applicable), at midpoint of cross tees adjacent to light fixtures and duct outlets, and adjacent to main tee splices.

F. Secure wire hangers by looping and wire-tying either directly to building structure or to hangers that are secure and appropriate for substrate.

G. Provide edge trim molding at perimeter of acoustical ceiling installation and intermediate vertical surfaces. Use maximum lengths. Miter trim corners to Provide tight, accurate joints. Connect moldings securely to substrate surfaces.

## SECTION 09653 - RUBBER WALL BASE

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

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

2.1 Materials:

A. Manufacturer: Johnsonite, Inc., (800) 899-8916, internet: www.johnsonite.com
   1. Basis-of-Design Product Rubber Wall Base:
      a. Resilient Rubber:
         1. .125" (3.17 mm) Thickness
         2. "Black" color
         3. Straight (toeless) or coved as specified on finish plan
         4. Inside and outside corners with 4" returns.

B. Alternate Wall Base only when approved by Arch PM and Chipotle DM.
   1. Vinyl Wall Base
      a. .125" (3.17 mm) Thickness
      b. "Black" color
      c. Straight (toeless) or coved as specified on finish plan
      d. Inside and outside corners with 4" returns.

C. Setting Adhesive
   1. For porous surface applications: Johnsonite 960 Acrylic Cove Base Adhesive
   2. For non-porous surface applications: Johnsonite 946 Contact Bond Adhesive or polymer based alternative

3.1 Installation:

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

B. Application: Use a 1/8" square notch trowel to apply adhesive. Allow adhesive to set up and then apply wall base in accordance with manufacturer's instructions.

## SECTION 09770 - SPECIAL WALL SURFACING - PHENOLIC INTERIOR WALL PANELS

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

1.2 Related Sections:

A. Section 05400 - Cold Formed Metal Framing

B. Section 06210 - Finish Carpentry and Millwork

C. Section 07900 - Joint Sealers

D. Section 09260 - Gypsum Board Systems

1.3 Standards: Materials and construction shall conform to the following:

A. ASTM D638 - 10 Standard Test Method for Tensile Properties of Plastics.

B. ASTM D790 - 10 Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.

C. ASTM E84 - 12 Standard Test Method for Surface Burning Characteristics of Building Materials.

D. NEMA Standards Publication LD3-2005. High pressure decorative laminates.

1.4 Design/Performance Requirements:

A. Design and size of wall panel assemblies including wall panels, mounting system to support weight of panels.

B. Allow for thermal movements from ambient and surface temperature changes by preventing buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects. Base calculations on expected movement of material as defined in fabrication guidelines.

1.5 Quality Assurance:

A. Manufacturer's Qualifications:
   1. Sufficient plant facilities to provide quality and quantity of materials as required without delaying progress of work.
   2. Minimum of 40 years of experience in paper saturation of phenolic resin, and producing phenolic paper laminate.

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

C. Installer
   1. Proven professional installer with a minimum of 5 years of documented experience.
   2. Approved by the manufacturer.

1.6 Delivery, Storage and Handling:

A. Refer to Section 01400 Quality Requirements.

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

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

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

1.7 Warranty:

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

1.8 Project Conditions:

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

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

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

2.1 Manufacturer:

A. Fiberesin Industries, Inc. PO Box 808, Oconomowoc, WI 53066. Phone: (262) 567-4427, Fax: (262) 567-4814,
Web Site: www.stonewoodpanels.com Email: info@fiberesin.com

B. Made in the United States from materials sourced in the USA.

2.2 Application:

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

2.3 Interior Stonewood:

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

2.4 Minimum Material Properties

A. NEMA Requirements:

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

B. Mechanical Properties:

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

C. Fire Resistance:

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

D. Manufacturing Tolerance:

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

2.5 Accessories (Fasteners):

A. Panel Fasteners: #10 x 1-1/4" flat phillips head black oxide wood screws to be used with wood blocking and #10 x 1-1/4" flat phillips head black oxide sheet metal screws to be used with sheet metal blocking as recommended by the manufacturer.
B. Provide exposed fasteners with heads matching color of composite wall panels by means of factory-applied coating.
C. Fasteners shall by designed to withstand the effects of dead load and accommodate hygrothermal expansion/contraction of the 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.

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Issue Record:

| | |
|---|---|
| 01/09/24 | Permit Issue |
| 05/15/24 | Bid Issue |
| 08/13/24 | Construction Issue |

Revisions:

Project No.
01734

Architectural Specifications

G013

3.1 Manufacturer's Execution Instructions:

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

3.2 Examination:

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

3.3 Preparation:

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

3.4 Installation:

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

3.5 Erection Tolerances:

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

3.6 Field Quality Control:

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

3.7 Adjusting:

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

3.8 Cleaning:

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

**SECTION 09900 - PAINTS AND COATINGS**

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

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

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

1.2 Related Documents:

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

1.3 Summary:

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

1.4 Quality Assurance:

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

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

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

1.5 Delivery, Storage and Handling:

A. Deliver materials to the Project Site in manufacturer's original, unopened packages and containers bearing manufacturer's name and label, and the following information:
1. Product name or tile of material.
2. Product description (generic classification or binder type).
3. Manufacturer's stock number and date of manufacture.
4. Contents by volume, for pigment and vehicle constituents.
5. Thinning instructions.
6. Application instructions.
7. Color name and number.
8. VOC content

B. Store materials not in use in tightly covered containers in a well-ventilated area at a minimum ambient temperature of 45 degrees F (7 degrees C). Maintain containers used in storage in a clean condition, free of foreign materials and residue.
1. Protect from freezing. Keep storage area neat and orderly. Remove oily rags and waste daily. Take necessary measures to ensure that workers and work areas are protected from fire and health hazards resulting from handling, mixing and application.

1.6 Project Conditions

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

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

C. Do not apply paint in snow, rain, fog, or mist, or when the relative humidity exceeds 85 percent, or at temperatures less than 5 degrees F (3 degrees C) above the dew point, or to damp or wet surfaces.
1. Painting may continue during inclement weather if surfaces and areas to be painted are enclosed and heated within temperature limits specified by manufacturer during application and drying periods.

2.1 Manufacturers:

A. Products: Subject to compliance with requirements, provide one of the products in the paint schedules.

B. Manufacturers Names: The following manufacturer is referred to in the paint schedule by use of shortened versions of the name, which is shown below:
1. PPG Industries, Inc.
2. Materials - No substitutions allowed.

2.2 Paint Materials, General

A. Material Compatibility: Provide block fillers, primers, undercoats, and finish-coat materials that are compatible with one another and the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.

B. Material Quality: Provide manufacturer's best-quality "professional" paint material of the various coating types specified. Paint-material containers not displaying manufacturer's product identification will not be acceptable.

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

C. Exterior Coatings:

**Exterior Ferrous Metals:**

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

Prime: (1) coat PPG; 90-912 Series Pitt-Tech Plus Int/Ext DTM 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; 90-1210 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; 90-912 Series Pitt-Tech Plus Int/Ext DTM 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; 90-1210 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 Railing:**

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 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; 90-1210 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 (90 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 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

**Existing 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; 90-912 Series Pitt-Tech Plus Int/Ext DTM 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; 90-912 Series Pitt-Tech Plus Int/Ext DTM 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 Eggshell 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 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.

E. Color Guide: Refer to finish plan and drawings for exact location of all colors

| WHERE | WHAT | COLOR | SHEEN | FINISH TAG |
|---|---|---|---|---|
| Exterior Galvanized | PPG Pitt-Tech Plus Semi-Gloss Acrylic Finish 90-1210 Series (See Options Note in Spec) | PPG 1001-6 'Knight's Armor" | Gloss | N/A |
| Exterior (Roof Mounted) Gas Piping | PPG Pitt-Tech Plus Semi-Gloss Acrylic Finish 90-1210 Series | Yellow | Semi-Gloss | N/A |
| Exterior and Interior Gas Piping, Where Exposed | PPG Pitt-Tech Plus Semi-Gloss Acrylic Finish 90-1210 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 90-1210 Series | PPG 1001-6 'Knight's Armor" | Semi-Gloss | N/A |
| Exterior Ferrous Metals | PPG Pitt-Tech Plus Semi-Gloss Acrylic Finish 90-1210 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 (Alternate) | PPG Perma-Crete High Build Acrylic Topcoat 4-22 Series | PPG 1010-2 "Fog" | 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 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 as indicated on finish plan | PPG 1001-3 "Thin Ice" | Eggshell | P3 |
| Dining Room and Hallway Gyp. Bd. | PPG Pure Performance Zero VOC Semi-Gloss 9-500 series or PPG Hi-Hide – 82-500 / PP109 Series Semi-Gloss | PPG 1041-1 "Moonlit Snow" | Semi-Gloss | N/A |
| 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 |
| Behind Slat Wall Gyp. Bd. | PPG Pure Performance Zero VOC Semi-Gloss 9-500 series or PPG Hi-Hide – 82-500 / PP109 Series Semi-Gloss | PPG 1058-7 "Autumn Ridge" | Semi-Gloss | N/A |
| Restroom, Cooking, Kitchen and Serving Area Gyp. Bd. Ceiling/Soffit | 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 Eggshell Acrylic Finish 90-110 Series | PPG 1013-5 "Victorian Pewter" | Satin | N/A |
| 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 EXTINGUISHES**

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

**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**

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FOR CONSTRUCTION

08/13/2024

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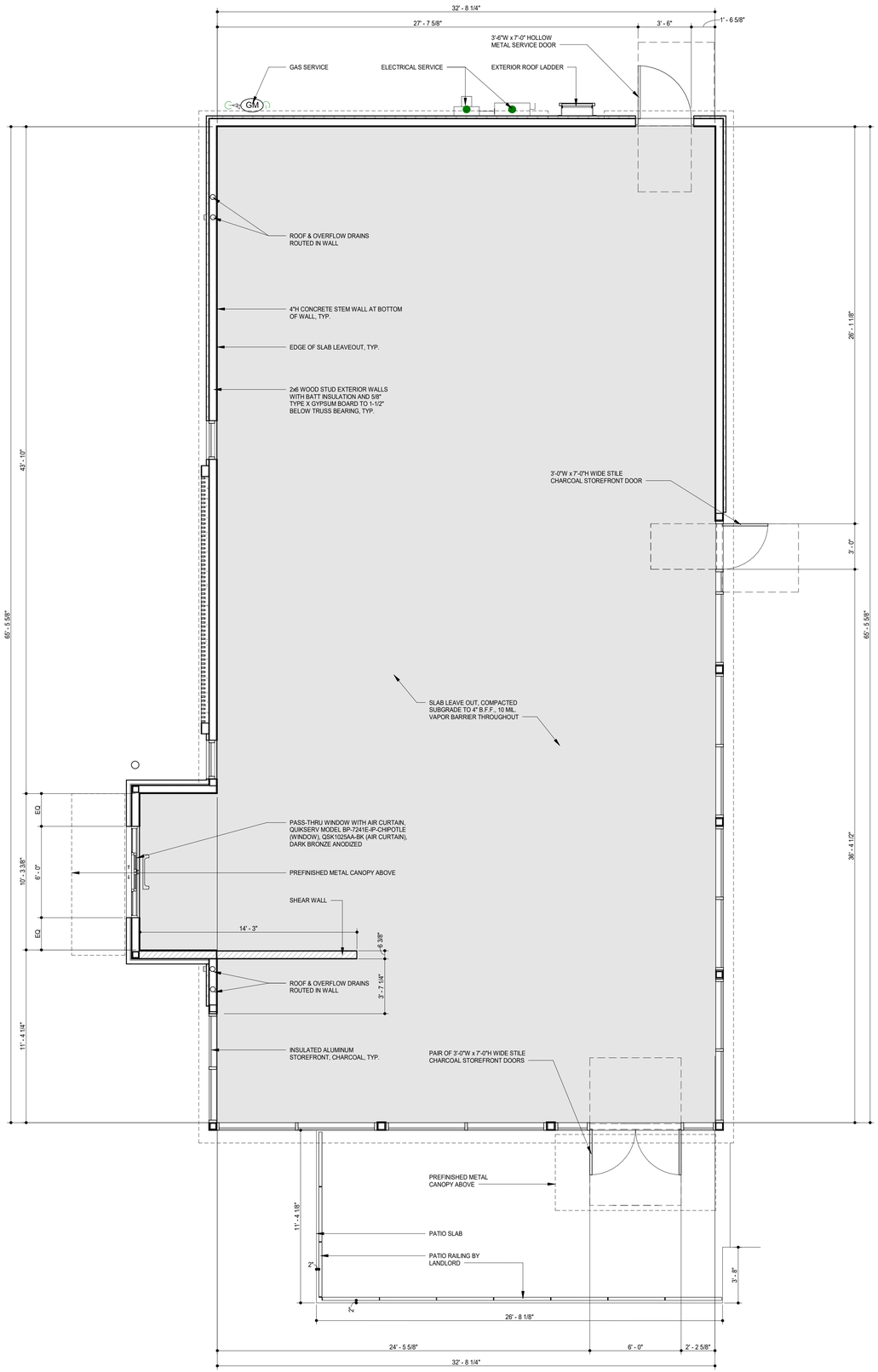
G014




1 DEMISED PREMISES PLAN
1/4" = 1'-0"

## GENERAL NOTES

1. ALL DIMENSIONS ARE TO INTERIOR FACE OF GYPSUM BOARD AT EXTERIOR WALLS AND/OR FACE OF/EDGE OF STOREFRONT FRAMING, U.N.O.
2. ALL WORK NOTED TO BE BY LANDLORD UNDER SEPARATE PERMIT U.N.O. AND SHALL BE ASSUMED TO BE COMPLETED AT THE TIME TENANT TAKES POSSESSION OF PREMISES
3. **ALL DIMENSIONS & INFORMATION ON THIS SHEET ARE EXISTING & TO BE FIELD VERIFIED BY TENANT'S GC PRIOR TO START OF TENANT FINISH CONSTRUCTION. NOTIFY TENANT AND ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES**
4. LANDLORD SHALL PROVIDE ROOF STRUCTURE CAPABLE OF SUPPORTING ALL ROOF-SUPPORTED EQUIPMENT, INCLUDING (2) RTU'S, MAKE-UP AIR, HOOD EXHAUST FAN AND GREASE EXHAUST HOOD PER CODE. RE: A140 & M100.
5. **TENANT'S G.C. SHALL TAKE DIGITAL PHOTOS OF THE INTERIOR PERIMETER OF THE DEMISED SPACE PRIOR TO THE START OF CONSTRUCTION AND SEND TO THE TENANT AND ARCHITECT FOR REVIEW. ANY STRUCTURE, PIPING, CONDUIT, ETC. THAT MAY IMPACT CONSTRUCTION OF THE SPACE OR BE UNSIGHTLY IF EXPOSED IS OF PARTICULAR INTEREST**
6. GENERAL CONTRACTOR TO SCOPE EXISTING SANITARY LINES PRIOR TO PREPARING FOR NEW CONNECTIONS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Revisions:

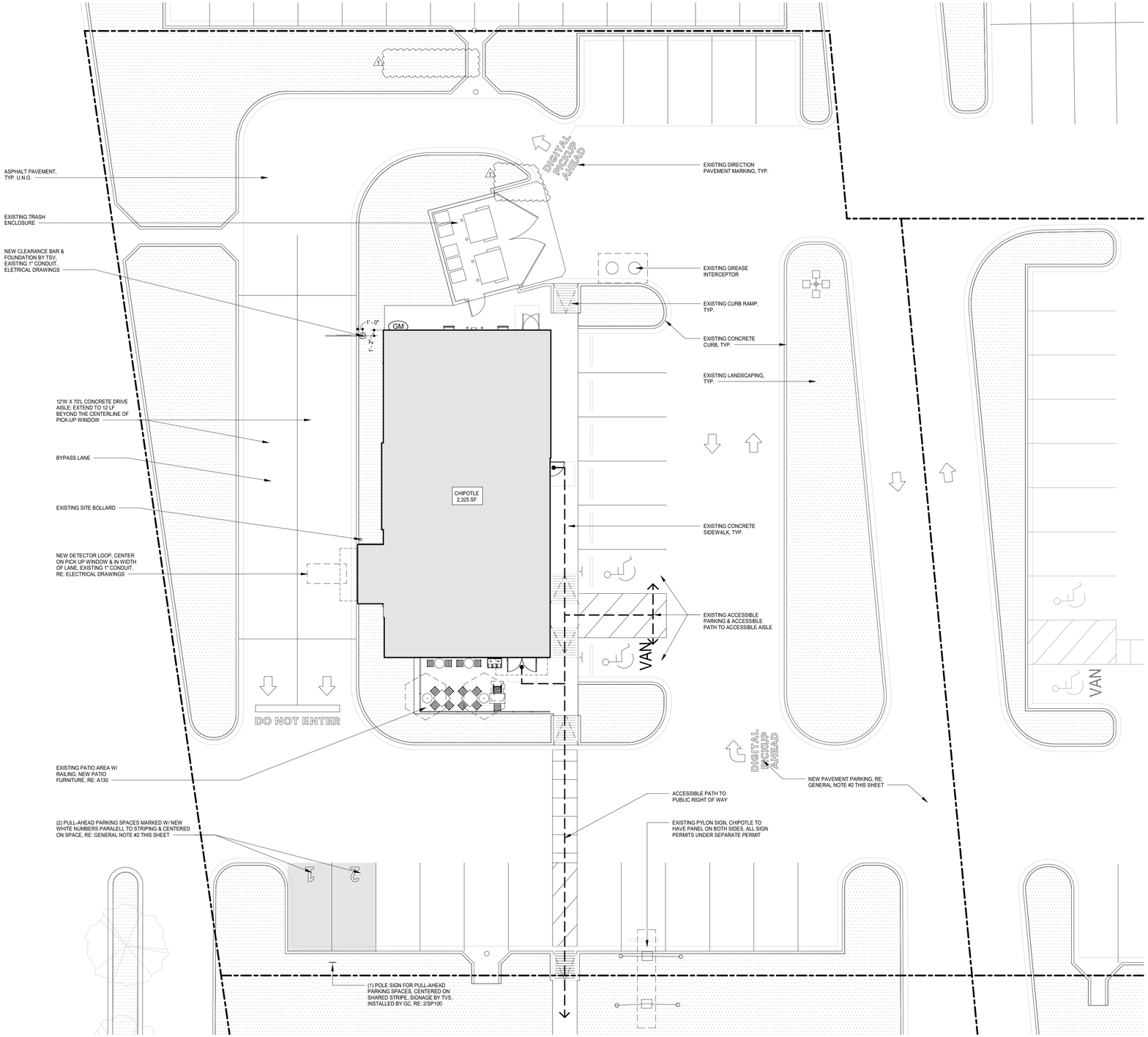
Project No.
01734

Demised Premises Plan

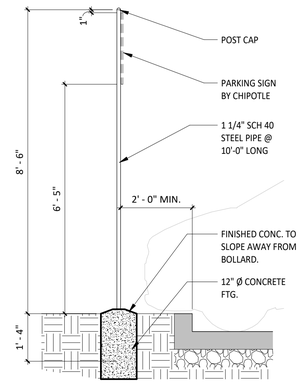
D101

## GENERAL NOTES

1. ALL SITE WORK NOTED AS "EXISTING" IS EITHER AN EXISTING CONDITION OR NEW WORK THAT WILL BE PERFORMED BY THE LANDLORD UNDER A SEPARATE PERMIT PRIOR TO CHIPOTLE TAKING POSSESSION. ANY SITE FEATURE NOT NOTED SHALL BE ASSUMED TO BE "EXISTING". ALL SITE WORK NOTED AS "NEW" IS IN THE SCOPE OF WORK OF THIS PROJECT.
2. STENCILS FOR PARKING MARKINGS AVAILABLE FROM PAVEMENT STENCIL COMPANY, PHONE: (800) 230-5547, EMAIL: STENCILS@PAVEMENTSTENCIL.COM




1 ARCHITECTURAL SITE PLAN
3/32" = 1'-0"




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

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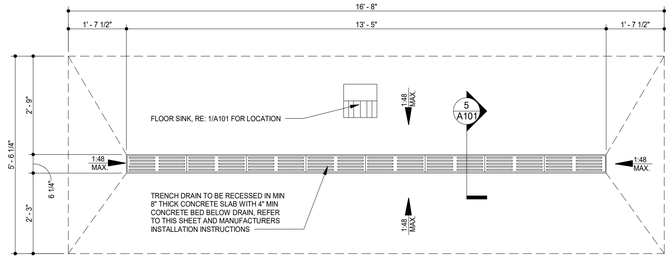
|---|---|
| 1 03/12/24 | City Comments I |

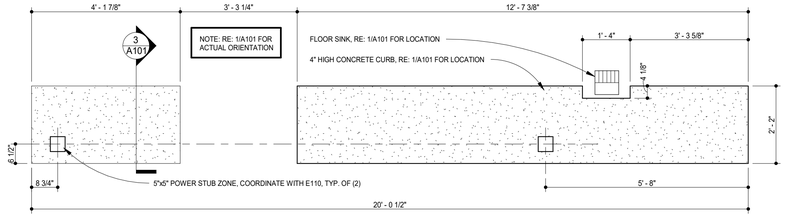
Project No.
01734

Architectural Site Plan

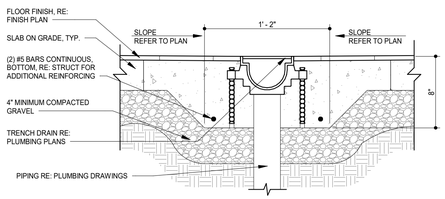
SP100



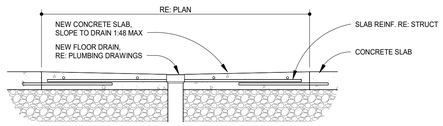

7 TRENCH DRAIL DETAIL
1/2" = 1'-0"



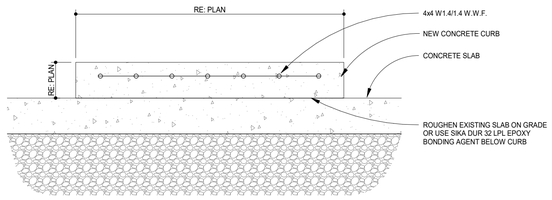

2 SERVING LINE CURB DETAIL
1/2" = 1'-0"



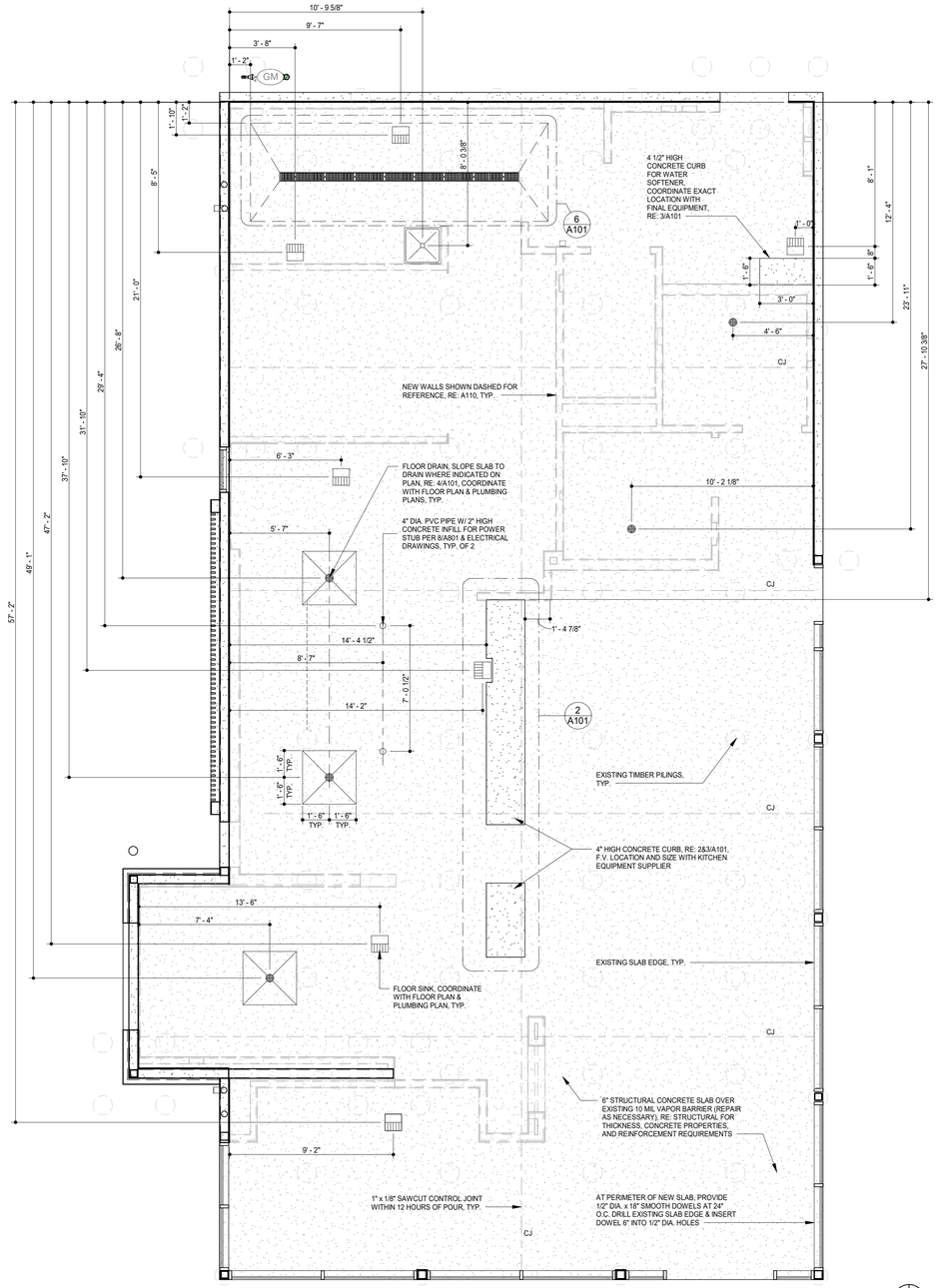

5 TRENCH DRAIL DETAIL
1 1/2" = 1'-0"




4 TYPICAL FLOOR SLAB DETAIL @ SLOPED DRAIN
1 1/2" = 1'-0"




3 TYPICAL FLOOR SLAB DETAIL @ CURB
1 1/2" = 1'-0"




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

## GENERAL NOTES

1. ALL DIMENSIONS ARE TO THE F.O. EXISTING WALLS, CENTERLINE OF STRUCTURE, CENTER OF FIXTURE, AND/OR EDGE OF SLAB U.N.O.
2. REMOVE PORTIONS OF EXISTING FLOOR SLAB AS NECESSARY TO INSTALL PIPING & FIXTURES AND TO FORM SLOPES TO DRAINS. REPLACE CONCRETE SLAB PER DETAIL 6/A101
3. RE: PLUMBING DRAWINGS FOR TYPE, SIZE, AND SPECIFICATIONS OF PLUMBING FIXTURES & PIPING
4. GC TO REVIEW ELECTRICAL PLANS FOR LIGHTING OR POWER STUB LOCATIONS PRIOR TO POURING SLAB
5. RE: SPECIFICATION SECTION 03300 FOR CONCRETE PATCHING OR INSTALLATION INFORMATION
6. COORDINATE ALL FLOOR SINK ELEVATIONS WITH LOCAL JURISDICTION REQUIREMENTS
7. VERIFY PERIMETER FOUNDATION INSULATION IS EXISTING IN FIELD AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF CONSTRUCTION

## LEGEND

| | |
|---|---|
| | FLOOR SINK, RE: PLUMBING DRAWINGS |
| | FLOOR DRAIN, RE: PLUMBING DRAWINGS |
| CJ | CONTROL JOINT, SAW-CUT INTO GREEN CONCRETE |
| MOP SINK | MOP SINK, RE: PLUMBING DRAWINGS |

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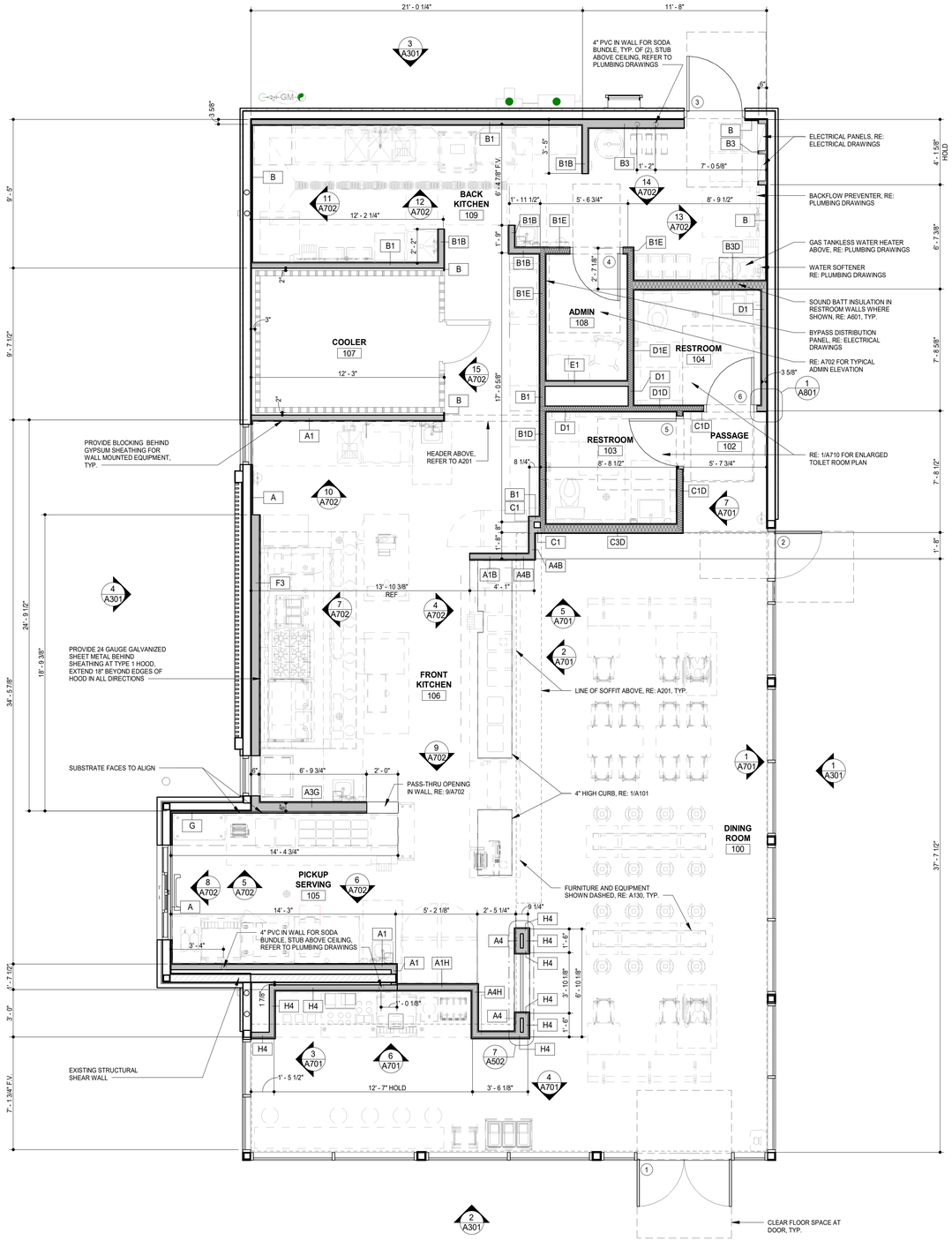
Slab Work Plan

A101




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

## GENERAL NOTES

1. ALL DIMENSIONS ARE TO F.O. NEW FRAMING, F.O. EXISTING WALL, OR CENTERLINE OF STRUCTURE U.N.O.
2. RE: A120 FOR FINISH PLAN.
3. EDGE OF DOOR FRAME JAMBS SHALL BE 4" OFF OF ADJACENT WALL, U.N.O.
4. PROVIDE BLOCKING IN WALLS FOR WALL MOUNTED SHELVING AND TOILET ROOM AND KITCHEN FIXTURES, RE: A701, A702 AND A710 FOR LOCATIONS.
5. TENANT'S G.C. TO PERFORM LAYOUT OF ENTIRE SPACE PRIOR TO STARTING FRAMING AND REPORT ANY DESCREPANCIES IN NOTED DIMENSIONS TO ARCHITECT AND CHIPOTLE MEXICAN GRILL CONSTRUCTION MANAGER PRIOR TO PROCEEDING. FAILURE TO ADHERE TO THESE REQUIREMENTS RESULTING IN ANY REMEDATION REQUIRED TO MEET DESIGN INTENT WILL BE AT G.C.'S COST.

## LEGEND

- EXISTING CONSTRUCTION
- NEW CONSTRUCTION
- SOUND BATT INSULATION
- WALK-IN COOLER
- DOOR TYPE, RE: A601 (8)
- WALL TYPE, RE: A501 (A1A)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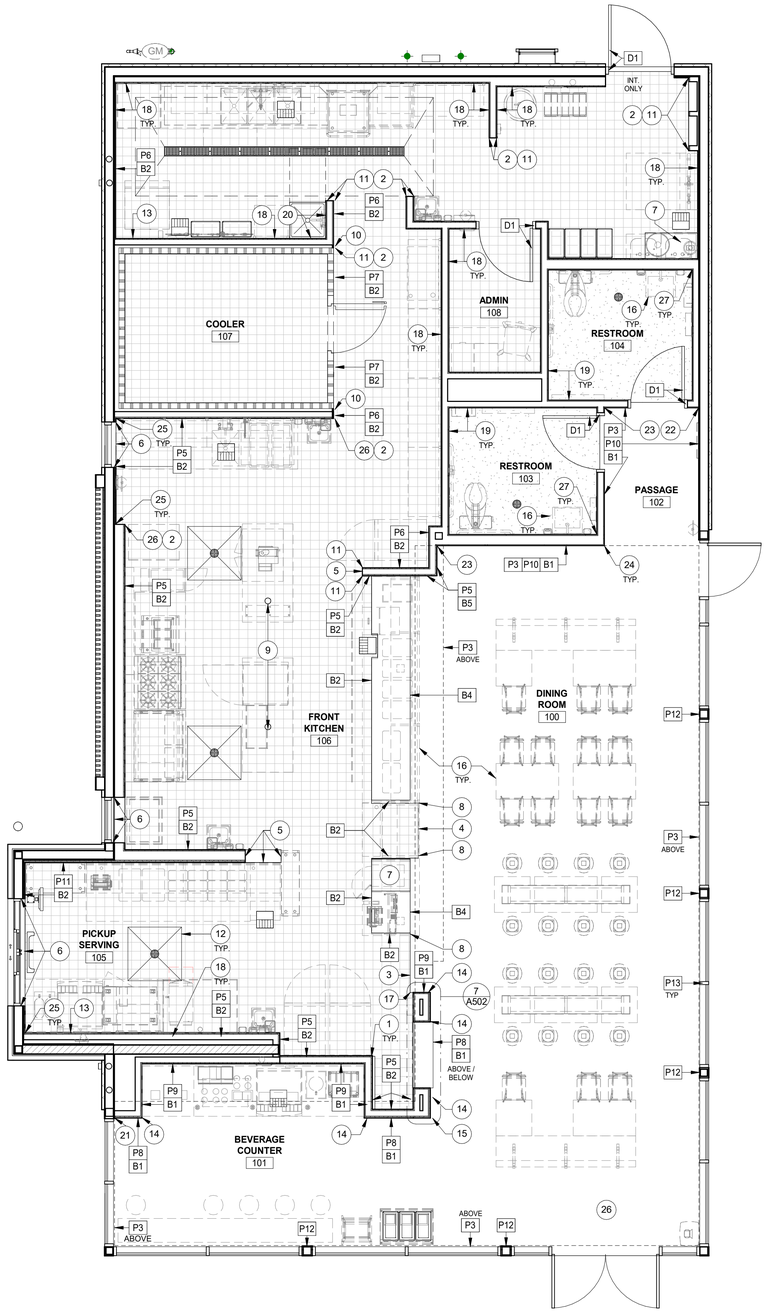
Architectural Floor Plan

A110




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

## ROOM FINISH SCHEDULE

| ROOM # | ROOM NAME | FLOOR FINISH | BASE FINISH | WALL FINISH | CEILING FINISH | CEILING HEIGHT | REMARKS |
|---|---|---|---|---|---|---|---|
| 100 | DINING ROOM | F1 | B1 | RE: PLAN | C1 | STRUCTURE | |
| 101 | BEVERAGE COUNTER | F1 | B1 | P9 | C6 | 8'-1 3/4" | |
| 102 | PASSAGE | F1 | B1 | P3/P10 | C3 | 10'-0" | |
| 103 | RESTROOM | F5 | B3 | P2/P3 | C3 | 8'-0" | RE: A710 |
| 104 | RESTROOM | F5 | B3 | P2/P3 | C3 | 8'-0" | RE: A710 |
| 105 | PICKUP SERVING | F2 | B2 | RE: PLAN | C4 | 10'-0" | |
| 106 | FRONT KITCHEN | F2 | B2 | RE: PLAN | RE: RCP | RE:RCP | |
| 107 | COOLER | F2 | B2 | P7 | C5 | - | |
| 108 | ADMIN | F2 | B2 | P6 | C4 | 9'-0" | |
| 109 | BACK KITCHEN | F2 | B2 | P6 | C4 | 10'-0" | |

## FINISH LEGEND

| FLOOR FINISHES | | WALL BASE FINISHES | | WALL FINISHES | | DOOR FINISHES | | CEILING/DECK FINISHES | |
|---|---|---|---|---|---|---|---|---|---|
| F1 | POLISHED CONCRETE | B1 | 4" BLACK RUBBER - NO COVE, RE: 4&5/A801 | P1 | PLYWOOD BETWEEN TRUSSES, VERTICAL GRAIN, RE: 5/A502 | D1 | PAINT "BLACK" | C1 | OPEN TO STRUCTURE, UNPAINTED |
| F2 | QUARRY TILE | | | | | | | C2 | NOT USED |
| F3 | EXTERIOR CONCRETE | B2 | QUARRY TILE WITH COVE, RE: 4-7/A802 & 19/A802 | P2 | FIBERGLASS REINFORCED PANELS TO 4'-0" AFF (SMOOTH FINISH) | D2 | PAINT "KNIGHT'S ARMOR" | C3 | GYPSUM BOARD; PAINT "MOONLIT SNOW" |
| F4 | SEALED CONCRETE | | | | | | | C4 | 2X4 VINYL-FACED LAY-IN |
| F5 | RESINOUS FLOORING | B3 | 4" BLACK RUBBER BASE WITH COVE. RE: 18/A801 | P3 | GYPSUM BOARD; PAINT "THIN ICE", EGGSHELL, REFER TO 701 AND A710 | | | C5 | EXPOSED COOLER PANEL (EMBOSSED COATED STEEL) |
| | | B4 | QUARRY TILE - NO COVE, RE: 2/A802 | P4 | GYPSUM BOARD; PAINT "THIN ICE", SEMI-GLOSS FINISH BELOW 4'-3" A.F.F. | | | C6 | STONEWOOD PANEL CEILING |
| | | B5 | CERAMIC TILE BASE, RE: 3/A802 | P5 | CERAMIC TILE - WHITE, RE: A802 | | | | |
| | | | | P6 | FIBERGLASS REINFORCED PANELS (PEBBLED FINISH) | | | | |
| | | | | P7 | EXPOSED COOLER WALL (EMBOSSED COATED STEEL) | | | | |
| | | | | P8 | SPALTED MAPLE PANEL, HORIZONTAL GRAIN | | | | |
| | | | | P9 | STONEWOOD PANEL, RE: 5/A801 | | | | |
| | | | | P10 | STONEWOOD WAINSCOT, RE: 2,3,16&19/A801 | | | | |
| | | | | P11 | CERAMIC TILE - ACCENT - BRONZE 3" X 12", RE: A802 | | | | |
| | | | | P12 | PREFINISHED BRAKE METAL, EXISTING | | | | |
| | | | | P13 | ALUMINUM STOREFRONT, EXISTING | | | | |

## INTERIOR WALL AND CEILING FINISH REQUIREMENTS

| | SPRINKLERED | | | NON-SPRINKLERED | | |
|---|---|---|---|---|---|---|
| GROUP | EXIT ENCLOSURES & EXIT PASSAGEWAYS | CORRIDOR | ROOMS & ENCLOSED SPACES | EXIT ENCLOSURES & EXIT PASSAGEWAYS | CORRIDOR | ROOMS & ENCLOSED SPACES |
| A-2 | B | B | C | A | A | B |
| B | B | C | C | A | B | C |

*RE: A000 FOR GROUP TYPE AND IF BUILDING IS SPRINKLERED OR NON-SPRINKLERED

## GENERAL NOTES

1. PAINT ALL GYPSUM BOARD CEILINGS "MOONLIT SNOW," U.N.O.
2. RE: A801 AND A802 FOR STANDARD FINISH DETAILS.
3. CHANGE FLOOR MATERIALS UNDER DOOR WHERE OCCURS.
4. ALL FINISHES TO BE CLASS B PER THE INTERIOR WALL AND CEILING FINISH REQUIREMENTS LEGEND ABOVE.
5. ENSURE THAT ALL STOREFRONT HAS CONTINUOUS, CLEAN SEALANT AROUND THE INTERIOR AND EXTERIOR PERIMETER BETWEEN THE STOREFRONT AND ADJACENT WALL FINISHES.
6. GC IS RESPONSIBLE FOR SEQUENCING OF PREWIRING WITH COMPLETION OF INTERIOR FINISHES.
7. SPALTED MAPLE PANELS PROVIDED BY TMS, INSTALLED BY GC. INSTALL PER SPECIFICATION SECTION 06210 - FINISH CARPENTRY AND MILLWORK.
8. STONEWOOD WALL PANELS AND WAINSCOT PANELS PROVIDED BY TMS, INSTALLED BY GC.

## FINISH PLAN KEYNOTES

1. RE: 11/A802 FOR CERAMIC TILE-TO-CERAMIC TILE CORNER DETAIL
2. 1 1/2" X 1 1/2" STAINLESS STEEL CORNER GUARDS TO 5'-0" AFF WITH 1-1/2" X 1-1/2" FRP CORNER TRIM ABOVE
3. ALIGN LOW EDGE OF RENO RAMP WITH FRONT EDGE OF EQUIPMENT CURB AND FACE OF ADJACENT WALL BASE FINISH. AT DOORS, ALIGN LOW EDGE WITH FRONT FACE OF DOOR.
4. PROVIDE BULLNOSE FLOOR TRANSITION PER DETAIL 23/A802
5. ALUMINUM PLATE AT END OF WALL & HEADER/JAMB/SILL OF WALL PASS-THRU, RE: 12&13/A802
6. ALUMINUM PLATE AT WINDOW OPENING HEADER/ JAMBS/SILL, RE: 4/A502 & 12&13/A802
7. INSTALL QUARRY TILE ON TOP OF CURB WHERE INDICATED, RE: 1/A802
8. INSTALL COVELESS QUARRY TILE BASE BULLNOSE CORNER (QCRL-1665) ON SIDE OF CURB FACING DINING ROOM (AT SERVELINE CURB ONLY). INSTALL COVED QUARRY TILE BASE ON SIDE OF CURB FACING QUARRY TILE FLOOR, BEHIND BULLNOSE BASE, RE: 8/A802
9. RE: 17/A802 FOR DETAIL AT PREP/CUTTING TABLE POWER SOURCE
10. RE: 14/A801 FOR DETAIL AT FRP CLOSURE PANEL TO WALK IN COOLER PANEL
11. AT QUARRY TILE BASE OUTSIDE CORNERS, RE: 6&7/A802
12. RE: 18/A802 FOR SLOPED QUARRY TILE FLOOR TO FLOOR DRAIN DETAIL
13. PROVIDE 18 GAUGE STAINLESS STEEL SHROUD AROUND EXPOSED ICE MAKER LINES, RE: 4/A130
14. RE: 12/A801 FOR SPALTED MAPLE PLYWOOD-TO-STONEWOOD OUTSIDE CORNER DETAIL
15. RE: 13/A801 FOR SPALTED MAPLE PLYWOOD-TO-SPALTED MAPLE PLYWOOD OUTSIDE CORNER DETAIL
16. EQUIPMENT AND FURNITURE SHOWN DASHED, RE: A130
17. RE: 11/A801 FOR STONEWOOD-TO-TILE OUTSIDE CORNER DETAIL
18. PROVIDE WATERPROOFING AT ALL KITCHEN & ADMIN WALL/FLOOR JUNCTIONS, RE: 4&5/A802
19. PROVIDE WATERPROOFING AT ALL RESTROOM WALL/FLOOR JUNCTIONS, RE: 18/A801
20. PROVIDE STAINLESS STEEL TO 24" ABOVE MOP SINK. FLASH BOTTOM EDGE OVER MOP SINK RIM. BEND STAINLESS STEEL AT INSIDE CORNER SO THERE IS NO JOINT, RE: 17/A801
21. RE: 6/A801 FOR SPALTED MAPLE PLYWOOD END CONDITION DETAIL
22. RE: 7/A801 FOR STONEWOOD END CONDITION DETAIL
23. RE: 8/A801 FOR STONEWOOD INSIDE CORNER DETAIL
24. RE: 9/A801 FOR STONEWOOD OUTSIDE CORNER DETAIL
25. RE: 9/A802 FOR CERAMIC TILE-TO-CERAMIC TILE INSIDE CORNER DETAIL
26. SURFACE-MOUNTED WALK-OFF MAT. INSTALL PER MANUFACTURER'S SPECIFICATIONS; REFER TO 21/A801 FOR DETAILS. EXTENT OF WALK-OFF MAT AREA TO MATCH FLOOR CLEARANCE AREA REQUIRED BY CODE. TAPERED FRAME TO BE INSTALLED OUTSIDE OF CODE AREA.
27. RE: 20/A801 FOR RESTROOM INSIDE FRP CORNER

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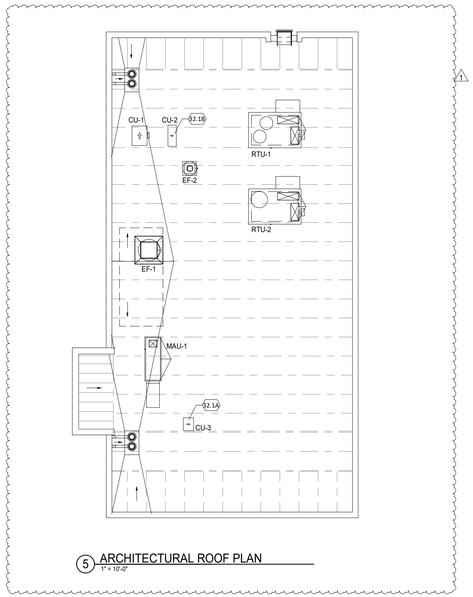
Finish Plan

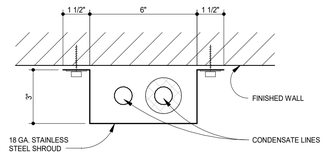
A120

## GENERAL NOTES

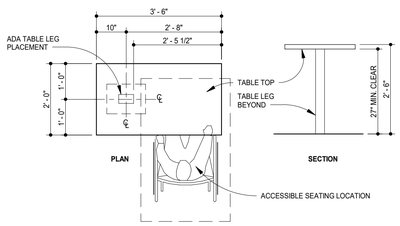
1. RE: A131 & A132 FOR EQUIPMENT & FURNITURE SCHEDULES.
2. ALL DIMENSIONS TO FACE OF GYPSUM BOARD, FACE OF FINISH PLYWOOD, CENTERLINE/EDGE OF FURNITURE, OR COLUMN GRID, U.N.O.
3. ALL FURNITURE SHALL BE SQUARE TO TENANT SPACE/WALLS AS SHOWN ON PLANS.
4. MAINTAIN MINIMUM 3'-0" CLEAR @ QUEUE LINE & EXIT PATHWAYS. TYP.
5. SEE INTERIOR ELEVATIONS FOR ADDITIONAL DIMENSIONS, RE: A701 & A702.
6. PROVIDE BLOCKING IN WALLS FOR WALL-MOUNTED ARTWORK, TOILET ROOM AND KITCHEN FIXTURES.
7. PROVIDE PORTABLE FIRE EXTINGUISHERS AS FOLLOWS:
   (2) TYPE ABC - SHOWN ON PLAN, FINAL LOCATION PER FIRE MARSHAL.
   (1) TYPE K - SHOWN ON PLAN, FINAL LOCATION FIRE MARSHAL.



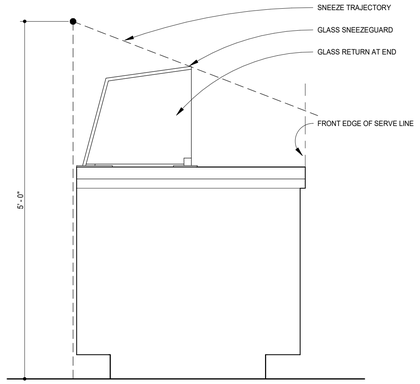

5 ARCHITECTURAL ROOF PLAN
1" = 10'-0"



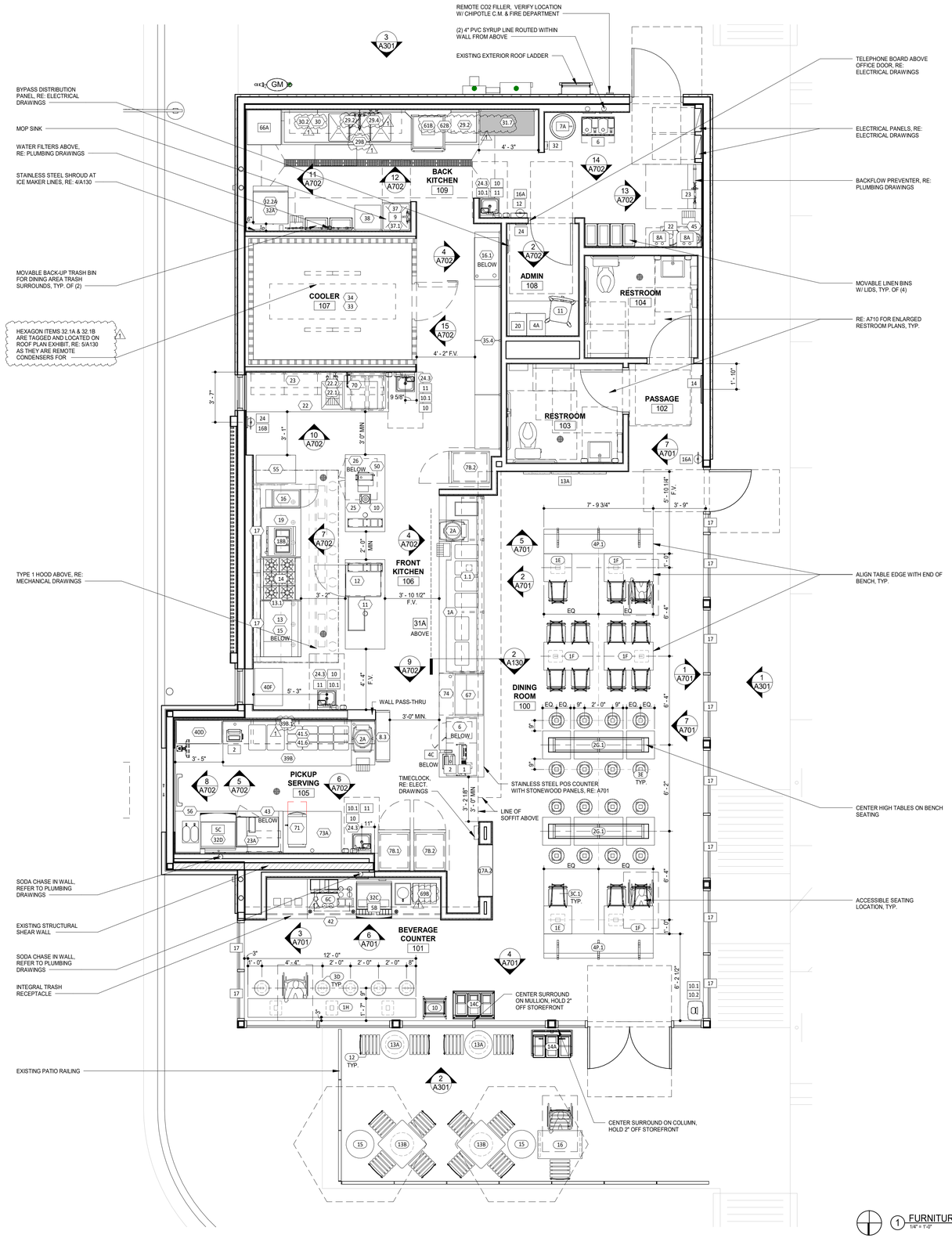

4 ICE MAKER LINE SHROUD DETAIL
3" = 1'-0"




3 ACCESSIBLE TABLE DETAIL
1/2" = 1'-0"




2 SNEEZEGUARD SECTION
1" = 1'-0"




1 FURNITURE, FIXTURE & EQUIPMENT PLAN
1/4" = 1'-0"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Fixtures, Furniture & Equipment Plan

A130

# KITCHEN EQUIPMENT LIST

| ITEM # | DESCRIPTION | MANUFACTURER | MODEL NO. | QTY | SUPPLIED BY | INSTALLED BY | UTILITY ELEC | UTILITY GAS | UTILITY WATER | UTILITY SEWER | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.1 | Sneeze Guard Serve Line 12 Pan (Right) | BSI | Custom-R | 1 | TMS | TMS/GC | | | | | |
| 1A | Front Serve Line - 12 Pan - RTD - POS Left | Delfield | 12 Pan Serve Line POS_241x38.5in (Left) | 1 | KES | KES; GC | • | | | • | Installed On Concrete Curb |
| 2A | Tortilla Warmer | Caliente Industries | A2 | 2 | KES | KES | • | | | | GC To Store In Walk-In Cooler Until Final Installation |
| 6 | Cup Dispenser | Dispense-Rite | CHIP-ECL-3B | 1 | KES | KES; GC | | | | | Installed At POS Counter |
| 7B.1 | Upright Beverage Cooler, Single Door, Hinge Left | Hoshizaki America, Inc. | R1A-FS-L | 1 | KES | KES | • | | | | |
| 7B.2 | Upright Beverage Cooler, Single Door, Hinge Right | Hoshizaki America, Inc. | R1A-FS-R | 2 | KES | KES | • | | | | |
| 8.3 | M4.5 Chip Shelf | Trimark | Custom | 1 | KES | KES | | | | | |
| 10 | Blender | Vitamix | 748 | 1 | T | T | • | | | | GC To Store In Walk-In Cooler Until Final Installation |
| 11 | Carving Station - 77x34in - Horizontal Well - Right | Delfield | 77x34in Carving Station-RT | 1 | KES | KES | • | | | | |
| 12 | Undercounter Refrigerator | Hoshizaki | CRMR27-LP | 1 | KES | KES | • | | | | |
| 13 | Grill 48in - Natural Gas - Divider Left | Woodstone | WS-PL-48-36-4-CT-Left | 1 | KES | KES | • | • | | | |
| 13.1 | Woodstone Grease Splash Guard | Nationwide Fab; Marlo Mfg | CHP-GCG-GSG | 1 | KES | KES | | | | | Verify If Required |
| 14 | Range 6 Burner - Natural Gas | Garland | U36-6S | 1 | KES | KES | | • | | | |
| 15 | Woodstone Grill Stand 48x31in - Divider Left | Woodstone | 000-PL-STAND-CASTER | 1 | KES | KES | | | | | |
| 16 | Fryer - Gas - Standard Efficiency | Varies | Varies | 1 | KES | KES | • | • | | | Mounted On Legs, G.C. To Pin Front Legs To Floor |
| 16.1 | Grease Caddy | Varies | Chipotle Grease Caddy - RH | 1 | KES | KES | | | | | |
| 17 | Cook Line Stand Off - 72x6 | Nationwide Fab; Marlo Mfg | CHP-6WS-6 | 2 | KES | KES | | | | | Mount Top of Flat Surface at 33" AFF, Install Screws at Each Stud Location, Provide Blocking To Mount To Wall |
| 18B | Gas Rice Cooker | Woodstone | WS-RGC-60 | 1 | KES | GC | • | • | | | Final Connection by GC. RE:Mechanical Drawings |
| 19 | Rice Cooker Stand - Left | Nationwide Fab; Marlo Mfg | CHP-RCS-42ES-34 | 1 | KES | KES | | | | | |
| 22 | Prep Sink - Corner - Left | Trimark | S1-122x34-US-FF-L | 1 | KES | GC | | | | • | |
| 22.1 | Prep Sink Faucet Big Flow Faucet | T&S | B-0293-01 | 1 | KES | GC | | | • | | |
| 22.2 | Prep Sink Vegetable Wash Faucet | T&S | B-0730 | 1 | KES | GC | | | • | | GC To Provide Connection For Chemical Dispensing Equipment |
| 22.3 | Prep Sink Drain Assembly | T&S | B-3950 | 1 | KES | KES; GC | | | | • | |
| 23 | 4 Shelves - 120in Prep Sink | Amco | CHPPS120 | 1 | KES | KES | | | | | Mount Bottom Of Standard At 50" AFF. Provide Plywood Blocking To Mount To Wall. |
| 23A | 2 Shelves - 30in | Amco | Custom | 1 | KES | KES | | | | | Mount Bottom Of Standard At 50" AFF. Provide Plywood Blocking To Mount To Wall. |
| 24.3 | Hand Sink Wall Mounted - Splash Both | Universal Stainless | EHS-1RL-NF | 4 | KES | GC | | | | • | Provided with B-0199-06-F10, 1.0 GPM Aerator, Provide Plywood Blocking To Mount To Wall |
| 24.5 | Kitchen Hand Sink Faucet Splash Mount | T&S | B-1146-04 | 4 | KES | GC | | | • | | |
| 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-1033-12CRBJSK Substitute Sprayer B-0107-J-SWV | 1 | KES | GC | | | • | | |
| 29.3 | Dish Sink Drain Assembly | T&S | B-3950 | 3 | KES | KES; GC | | | | • | |
| 29.4 | Dish Sink Chemical Faucet | T&S | B-2345-01-XX | 1 | KES | GC | | | • | | GC To Provide Connection For Chemical Dispensing Equipment |
| 29B | 3 Comp Sink - 18x24in Bowls - 111 3/4in | Nationwide Fabrication; Marlo Mfg | S3-30x111.75x36.5-FF | 1 | KES | GC | | | | • | |
| 30 | Shelving System - 3 Comp Sink | Amco | WST1879S | 1 | KES | KES | | | | | Mount bottom of Standard At 56"AFF. Provide Plywood Blocking |
| 30.2 | Shelving System - Dish Table | Amco | WST1879S | 2 | KES | KES | | | | | Mount bottom of Standard At 56"AFF. Provide Plywood Blocking. Mount Tight To Dish Machine |
| 31.7 | Drying Racks 21x48x85in - With Vented Aluminum Covers | Amco | Custom | 1 | KES | KES | | | | | Mount Bottom Of Standard At 12" AFF. Provide Plywood Blocking To Mount To Wall |
| 32.1A | Ice Maker - Remote Condenser | Hoshizaki | URC-5F | 1 | KES | KES | • | | | | Condensing Units To Be Secured To The Roof Per Code By GC |
| 32.1B | Ice Maker - Remote Condenser | Hoshizaki | URC-9F | 1 | KES | KES | • | | | | Condensing Units To Be Secured To The Roof Per Code By GC |
| 32.2A | Ice Maker - Storage Bin | Hoshizaki | B500SF | 1 | KES | KES | | | | • | |
| 32.3 | Icemaker- Filter | Varies | Varies | 3 | KES | KES | | | • | | |
| 32.4 | Ice Maker - Scale Inhibitor | Varies | Varies | 3 | KES | KES | | | • | | |
| 32A | Ice Maker For B.O.H. Ice Bin (Shorter) | Hoshizaki | KML-700MRJ | 1 | KES | KES | • | | • | | Drain Ice Maker to Floor Sink, RE: Mech. Refrigeration By Tenant. |
| 32C | Ice Maker Mounted On Soda Machine - Air Cooled | Hoshisaki | KMD-530MAJ | 1 | KES | KES | • | | • | • | Drain Ice Maker to Floor Sink, RE: Mech. Refrigeration By Tenant. |
| 32D | Ice Maker Mounted On Soda Machine - Remote Air Cooled | Hoshisaki | KMD-530MRJ | 1 | KES | KES | • | | • | • | Drain Ice Maker to Floor Sink, RE: Mech. Refrigeration By Tenant. |
| 33 | Walk In Cooler 9x12x9ft 6in - Standard | Manitowoc/Norlake | CHP912SR-RS | 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 - 9x12x9 | Cambro (Camshelving) | CHP912ER | 1 | KES | KES | | | | | |
| 35.4 | Dry Storage Racks 21x192x85in | Amco | CHPDS485 | 1 | KES | KES | | | | | Mount Bottom Of Standard At 12" AFF. Provide Plywood Blocking To Mount To Wall. |
| 37 | Mop Sink Faucet | T&S | B-0660-BSTR | 1 | KES | GC | | | • | | |
| 37.1 | Mop Sink Chemical Faucet | T&S | B-2345-01-XX | 1 | KES | GC | | | • | | GC To Provide Connection For Chemical Dispensing Equipment |
| 38 | 6 Shelves - Chemical Storage Rack | Amco | CHPCS85 | 1 | KES | KES | | | | | Mount Bottom Of Standard At 12" AFF. Provide Plywood Blocking To Mount To Wall. |
| 39B | DML 2.0 130in – Right – W/POS & Cash Drawer | Franke/Delfield | DML 2.0_RT-130x39 | 1 | KES | KES | • | | | • | |
| 39B.1 | DML 2.0 Wall Trim Package | Franke/Delfield | DML 2.0 Trim Kit | 1 | KES | KES | | | | | |
| 40D | Holding Shelf | Trimark | TGS-39X20X80-B | 1 | KES | KES | • | | | | |
| 40F | M4.5 - Filler Stand At Range | Select Stainless | 24x32x36 | 1 | KES | KES | | | | | |
| 41.5 | DML 2.0 Shelving - 130in - Top Shelf | Franke/Delfield | CH000A32 | 1 | KES | KES | | | | | Mount Bottom Of Shelf At 74 1/2" AFF. Provide Plywood Blocking To Mount To Wall. |
| 41.6 | DML 2.0 Shelving - 130in - Bottom Shelf | Franke/Delfield | CH000A34 | 1 | KES | KES | | | | | Mount Bottom Of Lowest Portion Of Shelf At 54 1/2" AFF. Provide Plywood Blocking To Mount To Wall. |
| 42 | Shelving System Under Counter Beverage Station | ISS | WST1810CLR | 1 | KES | KES | | | | | Mounted on (4) casters, All casters to be swivel type, Front (2) casters to have brake, Located under utensil counter |
| 43 | Beverage Cooler Backbar 36in | Glasstender | LP36X-SS(X) | 1 | KES | KES | • | | | | |
| 45 | Dunnage Rack - 18x36in | ISS | AAL361812 | 2 | KES | KES | | | | | |
| 50 | Food Processor | Sammic | CA-31 | 1 | KES | KES | | | | | |
| 55 | Filler Table - 24x34in | Trimark | TS-24x34x36-US-C | 1 | KES | KES | | | | | |
| 56 | Beverage Table - Chipotlane | Trimark | TS-36x92.5x36 | 1 | KES | GC | • | | | • | |
| 61B | Dish Machine (w/Pump) | Hobart | AM16SCB | 1 | KES | KES | • | | • | • | |
| 62B | Dish Table 30x30 | Trimark | CDT-30X30X36.5-B | 1 | KES | GC | | | | | |
| 65 | Utility Cart (Not Shown) | Select Stainless | 30SU-22-14-C4-TUBS-CUSTOM | 1 | KES | GC | | | | | Provided As Part Of The WIC Shelving |
| 66A | Drop-Off Table - 29x30in | Trimark | TS-29x30x31-US-C | 1 | KES | KES | | | | | |
| 67 | Refrigerated Counter Case, Self-Serve | Structural Concepts | CO3324R-UC | 1 | KES | KES | | | | | |
| 69B | M4.0 - Simplicity Bubbler Mini-Quad | Crathco | CS-4E-16 | 1 | KES | GC | • | | | • | |
| 70 | Speed Fill Faucet | T&S | B-0432 MOD | 1 | KES | GC | | | • | | |
| 71 | Quesadilla Press | Turbochef | Sota Touch | 1 | KES | KES | • | | | | |
| 73A | 50" TurboChef Table | Trimark | 50X36X36 | 1 | KES | KES | | | | | |
| 74 | Shelving - Under Counter - 12x36x29in | ISS | Custom | 1 | KES | KES | | | | | |


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08/13/2024


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Issue Record:

| | |
|---|---|
| 01/09/24 | Permit Issue |
| 05/15/24 | Bid Issue |
| 08/13/24 | Construction Issue |

Revisions:

Project No.
01734

Fixtures, Furniture & Equipment Schedules

A131

## MISC. EQUIPMENT LIST

| TAG | DESCRIPTION | QTY | SUPPLIED BY | INSTALLED BY | UTILITY ELEC | UTILITY GAS | UTILITY WATER | UTILITY SEWER | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Point of Sale Display | 1 | TMS | GC | | | | | Installed at POS Station |
| 2 | Point-Of-Sale System | 2 | T | TCC | | | | | Coordinate Requirements With Tenant and Elec. Drawings |
| 4A | B-Rate (Standard Safe) | 1 | TS | GC | | | | | Installed in Office |
| 4C | Smart Safe | 1 | TSS | TSS | • | | | | To Be Installed On Curb Under Serveline, Bolt to Curb Under Serveline POS |
| 5B | Soda Dispenser - With Air-Cooled Ice Maker | 1 | SPS | SPS | • | | | • | Drain to Floor Sink, Tenant Millwork Supplier to Provide (2) Adjustable Legs to Support Dispenser From Under The Utensil Counter |
| 5C | Soda Dispenser - With Remote Air-Cooled Ice Maker | 1 | SPS | SPS | • | | | • | Drain to Floor Sink, Tenant Millwork Supplier to Provide (2) Adjustable Legs to Support Dispenser From Under The Utensil Counter |
| 6 | Soda System Syrup Rack with Carbonator on Stainless Steel Shelf | 1 | SPS | SPS | • | | • | | |
| 7A | Bulk CO2 Tank | 1 | CO2 | CO2 | • | | | | GC To Secure Cylinders To Wall With Grade 30 Galvanized Steel Chain At 2/3 The Height Of The Cylinder. Attach To Wall With Stainless Steel Quick Link And Screw Eye |
| 8A | Gas Tankless Water Heater | 2 | GC | GC | | • | • | • | Drain Water Heater To Floor Drain, RE: Mech. |
| 9 | Mop Sink, See Plumbing Drawings | 1 | GC | GC | | | • | • | See Plumbing Drawings |
| 10 | Touch-Free Soap Dispenser | 4 | WA | GC | | | | | |
| 10.1 | Hand Sanitizer Dispenser | 5 | WA | GC | | | | | |
| 10.2 | Hand Sanitizer Stand | 1 | WA | GC | | | | | |
| 11 | Paper Towel Dispenser, Bobrick B262 | 4 | WA | GC | | | | | Provide Plywood Blocking to Mount to Wall |
| 12 | First Aid Kit | 1 | T | GC | | | | | Confirm Location With Chipotle CM Prior To Installation |
| 13A | M4.0 - Artwork Panel - Plaster | 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 |
| 16A | Fire Extinguisher Type ABC - B456 | 2 | GC | GC | | | | | Locate per Fire Marshal, provide plywood backing |
| 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 | 16 | WS | WS | | | | | See Sheet A130 For Location & Size (When Used) |
| 19 | Hat & Coat Strips (Not Shown) | 1 | WA | GC | | | | | Provide Plywood Blocking to Mount to Wall |
| 20 | 2-Drawer File Cabinet, By Tenant | 1 | T | T | | | | | By Tenant |
| 22 | Water Softener | 1 | KES | GC | | | • | • | See MEP Sheets For Details |
| 23 | Backflow Preventer | 1 | GC | GC | | | • | • | See MEP Sheets for Details |
| 24 | iPad Wall Station | 2 | T | GC | • | | | | Tablet By Tenant, Refer to Electrical Drawings |
| 28 | Mop Strip (Not Shown) | 1 | T | GC | | | | | Provide Plywood Backing To Mount To Wall, 2 Hole At Mop Basin and 6 Hole In Kitchen |
| 31A | 21inx31in Menu System | 1 | TMB | GC | | | | | |
| 32 | CO2 Alarm | 1 | CO2AS | GC | • | | | | Refer to Electrical Drawings for Additional Details |
| 33A | M4.0 - Pick-Up Sign - Single Faced - Flush Mounted - Face | 1 | TSV | GC | | | | | |

## FURNITURE LIST

| TAG | DESCRIPTION | QTY | SUPPLIED BY | INSTALLED BY | UTILITY ELEC | UTILITY GAS | UTILITY WATER | UTILITY SEWER | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| 1E | M4.0 - Table 24x24in - Rectangular Base | 2 | TMS | GC | | | | | |
| 1F | M4.0 - Table 24x42in, Rectangular Base (Accessible) | 4 | TMS | GC | | | | | See Detail On A130 |
| 1H | M4.0 - Community Table - Low - Window - Length Varies | 1 | TMS | GC | | | | | |
| 2G.1 | M4.0 - Bar Height Table 8-Top, With Footrest | 2 | TMS | GC | | | | | One Coat Hook Per Two Seats, Confirm Mounting Location With Shop Drawings |
| 3C.1 | M4.0 - Dining Room Chair | 14 | TMS | GC | | | | | |
| 3D | M4.0 - Marshmallow Stool - Fixed | 5 | TMS | GC | | | | | Align Seat With Seam Perpendicular To Table Edge |
| 3E | M4.0 - Bar Stool - Fixed | 16 | TMS | GC | | | | | Align Seat With Seam Perpendicular To Table Edge |
| 4P.1 | Banquette Bench (Black) - Floor Mount | 2 | TMS | GC | | | | | |
| 6C | M4.0 - Beverage Counter - With Trash - 4" Splash - 149" | 1 | TMS | GC | | | | • | Coordinate Floor Drain Installation with Utensil Counter Installation, Bins and Sign Hooks Provided by Tundra in Smallwares Package, Install Hooks on Back of Doors |
| 10 | Child's High Chair | 1 | T | GC | | | | | |
| 11 | Office Chair, By Tenant | 1 | T | T | | | | | By Tenant |
| 12 | Patio Chair - Bistro | 14 | KES | GC | | | | | Provided by EMU America, Contact: Carol Hughes (303-744-3200) |
| 13A | 24in Round Bistro Table | 2 | KES | GC | | | | | Provided By EMU America, Contact: Carol Hughes (303-744-3200) |
| 13B | 30in Square Bistro Table | 2 | 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 | ADA 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 |


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08/13/2024


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Issue Record:

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| 01/09/24 | Permit Issue |
| 05/15/24 | Bid Issue |
| 08/13/24 | Construction Issue |

Revisions:

| | |
|---|---|
| 1 03/12/24 | City Comments I |

Project No.
01734

Fixtures, Furniture & Equipment Schedules

A132

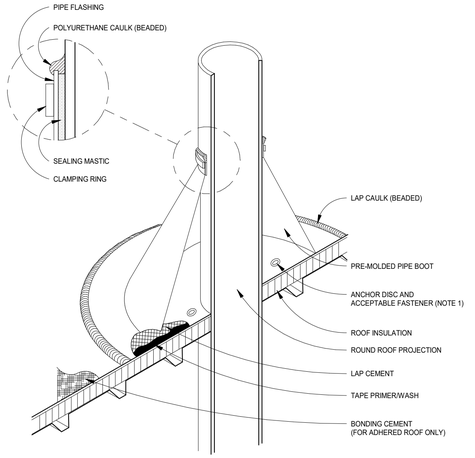
## HVAC EQUIPMENT

| DESCRIPTION | SUPPLIED BY | INSTALLED BY | UTILITY | | | | REMARKS |
|---|---|---|---|---|---|---|---|
| | | | ELEC | 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: UTILITIES BY GC, REFER TO MECHANICAL DRAWINGS.

## GENERAL NOTES

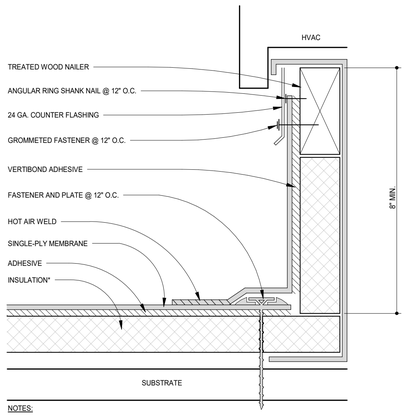
1. RE: STRUCTURAL DRAWINGS FOR LOCATIONS & SIZE OF STRUCTURAL ROOF REINFORCEMENTS.
2. RE: MECHANICAL PLANS FOR ROOF TOP EQUIPMENTS.
3. COORDINATE ALL ROOF PENETRATIONS, FLASHING AND REPAIR WITH TENANT ROOF TOP EQUIPMENT PRIOR TO COMMENCEMENT OF WORK.
4. DIMENSIONS ARE TO THE OUTSIDE FACE OF CURB AND ARE FOR REFERENCE ONLY. EQUIPMENT WITHOUT CURBS ARE DIMENSIONED TO THE CENTER OF THE EQUIPMENT. CONTRACTOR TO ADJUST AS NECESSARY IN FIELD TO MAINTAIN WORKING CLEARANCES AND TO COORDINATE BEST WITH EXISTING STRUCTURAL MEMBERS. CONTACT ARCHITECT FOR ANY NECESSARY MODIFICATION TO LAYOUT.
5. TRUSSES FOR THE SHELL BUILDING WERE DESIGNED FOR THE RTU WEIGHTS AND PLACEMENTS EXHIBITED. IF THE LOCATION OR ORIENTATION OF A UNIT MUST CHANGE, NOTIFY ARCHITECT IMMEDIATELY.
6. RE: M700 FOR PENETRATION DETAILS AT RTUS, MAU, AND EXHAUST FANS.
7. LANDLORD SHALL PROVIDE ROOF STRUCTURE CAPABLE OF SUPPORTING ALL ROOF-SUPPORTED EQUIPMENT, INCLUDING (2) RTUS, MAKE-UP AIR UNIT, HOOD EXHAUST FAN, GREASE EXHAUST HOOD, RESTROOM EXHAUST FAN, AND (3) CONDENSING UNITS PER CODE.
8. RE: 2/A140 FOR TYPICAL CURB FLASHING DETAIL.
9. RE: 3/A140 FOR TYPICAL VENT FLASHING DETAIL.
10. PROVIDE INSULATED CURBS FOR ALL EQUIPMENT IN EXPOSED DECK AREA ONLY.
11. PROVIDE TAPERED INSULATION CRICKET AT ALL EQUIPMENT CURBS.
12. PROVIDE ROOF HYDRANT, RE: PLUMBING DRAWINGS.
13. TO MAINTAIN ORIGINAL WARRANTY WHERE PROVIDED, USE ORIGINAL ROOF CONTRACTOR.
14. PAINT EXTERIOR EXPOSED GAS PIPING PER SPEC SECTION 09900.
15. PROVIDE ROOF TOP WALKING PADS PER ROOF MANUFACTURER REQUIREMENTS.
16. LOCATE ALL MECHANICAL UNITS SO DUCT DROPS BETWEEN TRUSSES. NOTIFY ARCHITECT IMMEDIATELY IF ANY UNITS NEED TO SHIFT FROM PLAN LOCATIONS SHOWN.




NOTE:

1. 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).
2. DO NOT OVERLAP THE FLANGES FROM ADJACENT PIPE FLASHINGS.
3. ANY SEAM UNDER BOOT FLANGE TO BE TREATED AS T-JOINT.
4. 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.
5. IF A LEAD FLASHING IS PRESENT ON THE PIPE, IT MUST BE REMOVED BEFORE A DURO-LAST STACK FLASHING IS INSTALLED.
6. MEMBRANE ATTACHMENT AROUND THE PENETRATION WILL BE THE SAME AS THE DECK MEMBRANE, MAX 18" O.C. AND A MINIMUM OF ONE PLATE/FASTENER PER FLASHING.

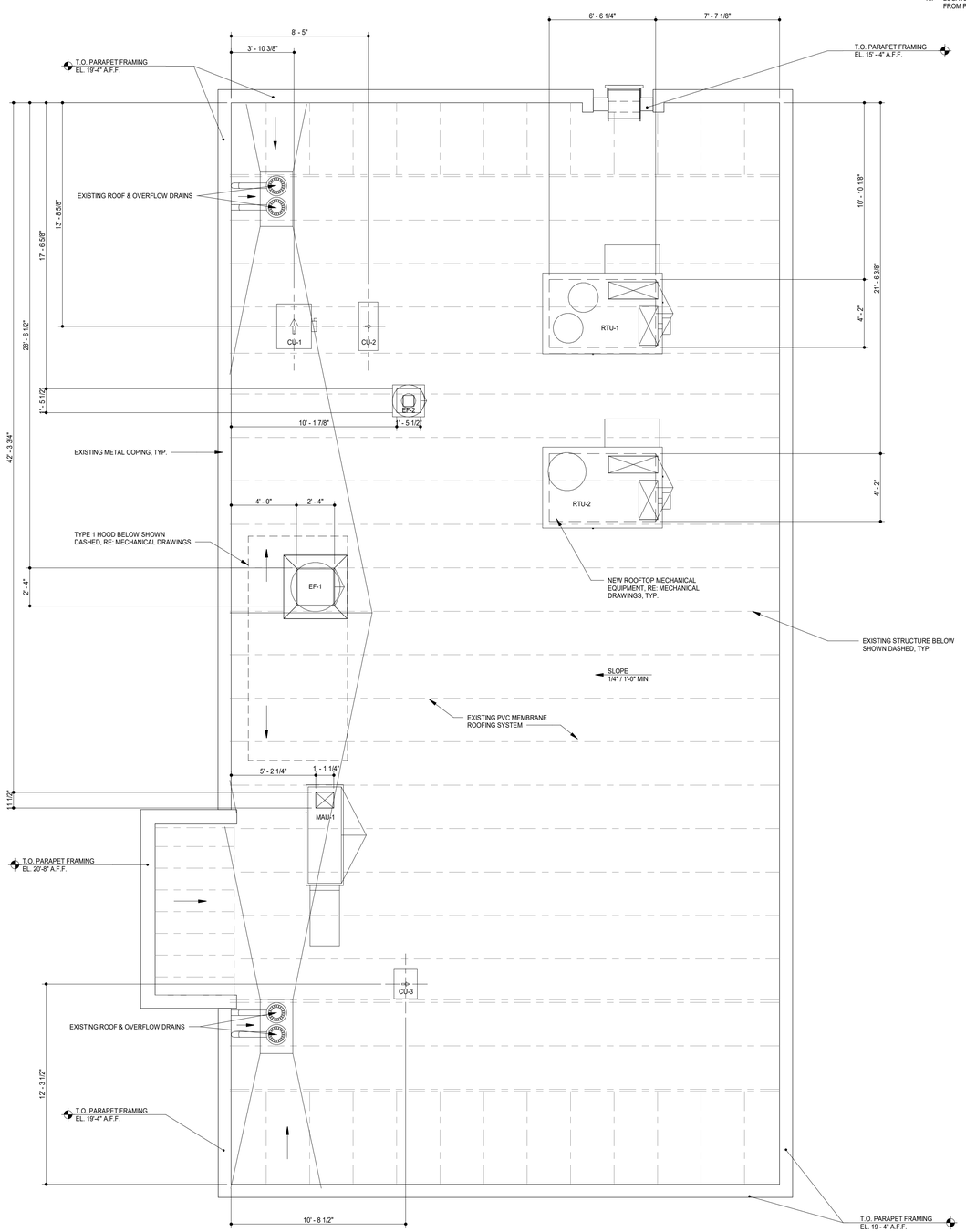
3 BOOT DETAIL
N.T.S.




NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
2. DO NOT SCALE DRAWINGS.
3. USE PREFABRICATED OUTSIDE CORNERS.
4. PERIMETER FASTENING OF THE DECK MEMBRANE WILL BE THE SAME FASTENING PATTERN AS THE FIELD MEMBRANE, MAX 18" O.C. AND NO LESS THAN ONE FASTENER PER SIDE.
5. INSULATION MUST BE SECURELY FASTENED.
6. ALL TERMINATION BAR TO HAVE A FASTENER 1-" MAX FROM EACH CORNER.
7. *GLASS-FACED POLY ISO 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.

2 CURB FLASHING
N.T.S.




1 ARCHITECTURAL ROOF PLAN
1/4" = 1'-0"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Revisions:

Project No.
01734

Architectural Roof Plan

A140

## SPEAKER SCHEDULE

| ITEM # | QTY | DESCRIPTION | COLOR/FINISH | MOUNT | REMARKS |
|---|---|---|---|---|---|
| SP1 | 4 | DINING ROOM SPEAKER | BLACK | SUSPENDED | REFER TO A210 & E110 FOR DETAILS |

## GYPSUM BOARD CEILINGS IN SEISMIC ZONES

IN SEISMIC ZONES 3 & 4 / SEISMIC DESIGN CATEGORIES C & D, SUSPENDED CEILINGS CONSTRUCTED OF SCREW-ATTACHED GYPSUM BOARD ON ONE LEVEL THAT ARE SURROUNDED BY AND CONNECTED TO WALLS OR SOFFITS THAT ARE LATERALLY BRACED TO THE STRUCTURE ABOVE ARE EXCEPT FROM THE REQUIREMENTS OF CISCA GUIDELINES. SEE STRUCTURAL DRAWINGS TO VERIFY SEISMIC ZONE / DESIGN CATEGORY FOR PROJECT LOCATION.

## SECURITY SYSTEM

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

## GENERAL NOTES

1. ALL INTERIOR LIGHT FIXTURES AND LAMPS PROVIDED BY TLS. INSTALLED BY GC.
2. ALL INTERIOR LIGHT FIXTURES AND LAMPS INSTALLED BY GC. CAREFULLY REVIEW LIGHTING FIXTURE SCHEDULE ON SHEET E100.
3. KITCHEN EXHAUST HOOD PROVIDED BY HS, INSTALLED BY GC. GC TO COORDINATE PRESSURE TEST AND VIROGUARD WITH ENVIROMATIC.
4. ANSUL BOX AND FIRE SUPPRESSION SYSTEM PROVIDED BY AND INSTALLD BY HS. HOOD INTERLOCK AND ELECTRICAL CONNECTION BY GC. RE: ELECTRICAL DRAWINGS.
5. MENU BOARD ASSEMBLY PROVIDED BY TMB, INSTALLED BY GC.
6. PROVIDE BLOCKING IN CEILING ABOVE MENU BOARD FOR INSTALLATION.
7. RE: "09900 PAINTING - GENERAL" IN SPECIFICATIONS FOR FINISHES AT EXPOSED CEILING AREAS IN ADDITION TO NOTES LISTED ON THIS SHEET AND A120.
8. UNISTRUT TO BE LEFT UNPAINTED. PROVIDE MATCHING CLOSER STRIPS AND END CAPS. CLOSER STRIP TO BE APPLIED TO THE UNDERSIDE OF THE UNISTRUT.
9. RE: A701 & A702 FOR PENDANT & WALL-MOUNTED FIXTURE INSTALLATION HEIGHTS.
10. LIGHT DETAILS ARE LOCATED ON SHEET A210. FIXTURE AND LAMP SPECIFICATIONS ARE LOCATED ON E100.
11. ALL UNISTRUT SUPPORTING CEILING ELEMENTS AND/OR DUCT WORK SHALL NOT CONTAIN ANY ELECTRICAL CONDUIT. ALL ELECTRICAL CONDUIT MUST RUN IN SEPARATE UNISTRUT.
12. ALL UNISTRUT, CONDUIT, SPRINKLER & WATER LINES SHALL BE INSTALLED TO THE BOTTOM OF THE DECK OR AS SHOWN IN DETAILS & LEFT UNPAINTED.
13. ALL DIMENSIONS ARE TO FACE OF WALL SHEATHING OR CENTERLINE OF FIXTURE UNLESS NOTED OTHERWISE.
14. SEE ELECTRICAL DRAWINGS FOR SHATTER RESISTANT LAMP LOCATIONS.
15. ALL EMERGENCY FIXTURES, LIGHTS AND STROBES SHALL BE ALIGNED OR CENTERED ON WALLS.
16. FULL CERAMIC TILE COURSING SHALL TAKE PRECEDENT OVER CEILING/HEADER DIMENSION INDICATED. ACTUAL HEADER AND CEILING HEIGHT IN FRONT KITCHEN AREAS TO BE ADJUSTED IN FIELD SO THERE ARE FULL TILES BETWEEN TOP OF BASE AND FINISHED CEILING OR HEADER.
17. ALL CONDUIT AND PIPE PENETRATIONS OF THE SERVING LINE SOFFIT ARE TO BE HELD TIGHT TO THE DECK. PLEASE CONSULT WITH CHIPOTLE CM IF ANY CONFLICTS ARISE.
18. LAY-IN CEILING PENETRATIONS TO BE HELD TIGHT TO WALLS, RE: 4/A210 & PLUMBING DRAWINGS.
19. RE: STRUCTURAL DRAWINGS FOR HOOD SUSPENSION DETAILS.
20. SECURITY CAMERA LOCATIONS ARE APPROXIMATE LOCATIONS. RE: ENVYSION INSTALLATION GUIDE FOR SPECIFIC LOCATIONS.
21. RE: A120 FOR FINISH SCHEDULE.
22. ALL CEILING HEIGHTS NOTED ON THE PLAN ARE TO BOTTOM OF FINISHED CEILING.
23. RE: 6/A502 FOR BULKHEAD & SUSPENDED GYPSUM BOARD DETAIL.
24. PROVIDE TEN FOOTCANDLES OF SHIELDED LIGHT THROUGHOUT COOLER, FLUORESCENT LIGHTING FOR COOLER BY MANUFACTURER.
25. RE: 11/A210 FOR SUSPENDED CEILING DETAIL.

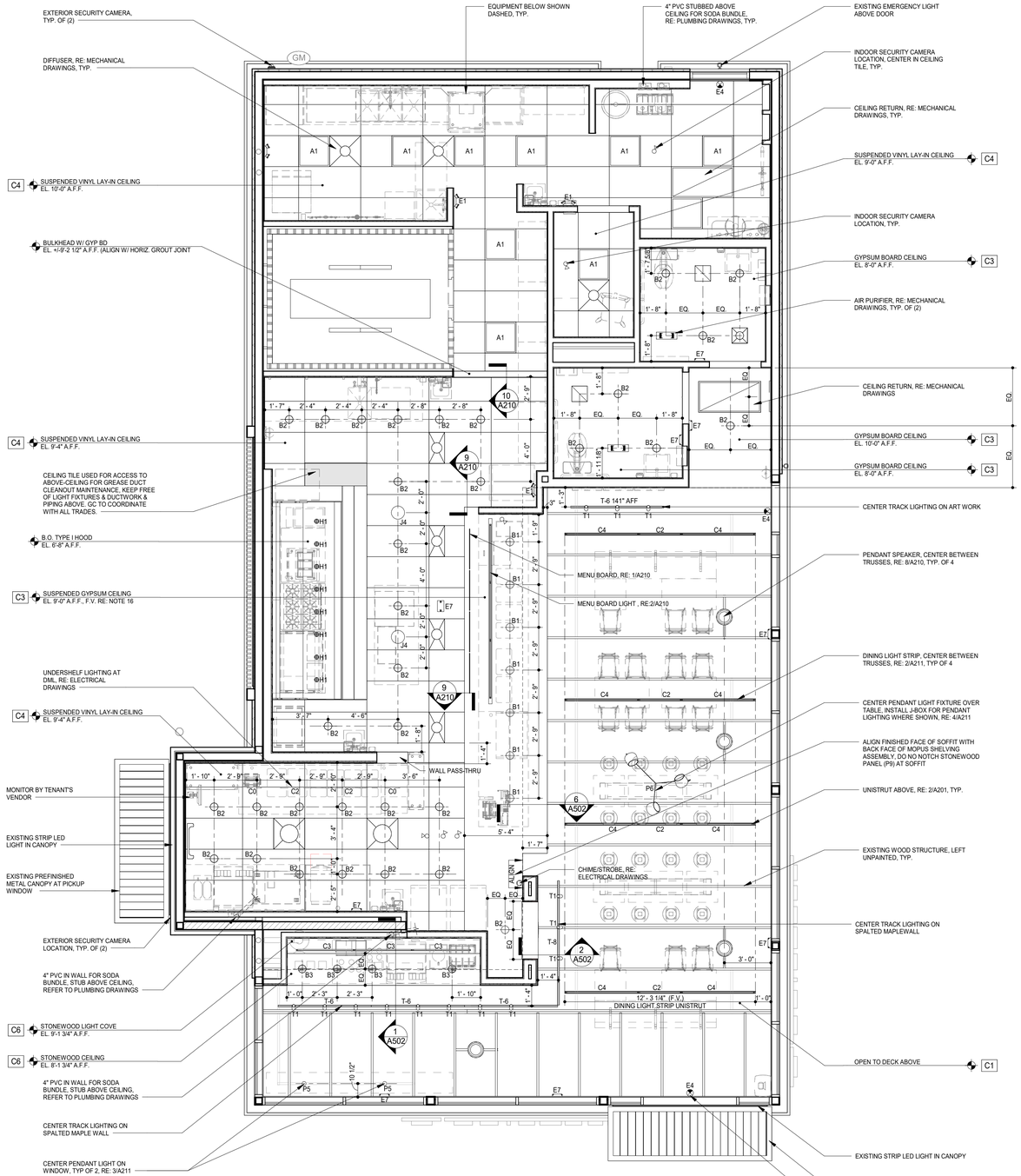
## CONDUIT GUIDELINES

NO FLEXIBLE METALLIC CONDUIT IS ALLOWED IN ANY AREAS WHERE IT WOULD BE EXPOSED TO VIEW, ONLY RIGID METALLIC CONDUIT (THICK-WALL OR THIN-WALL AS NEEDED) IS ALLOWED IN THESE AREAS

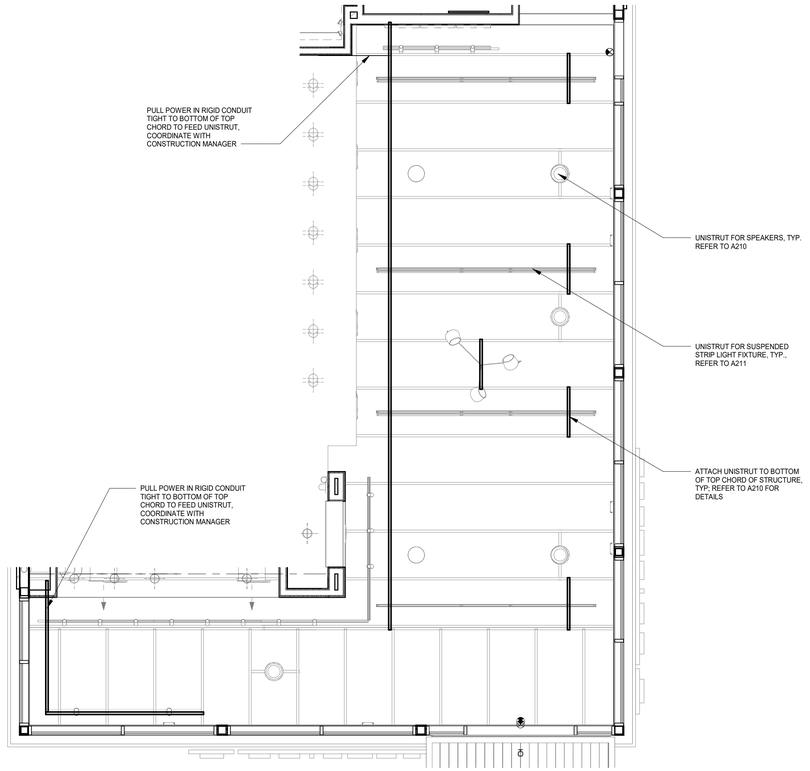
## RCP SCHEDULE

RE: E100 FOR FIXTURE AND LAMP SCHEDULE

| ITEM # | MOUNT | DESCRIPTION | QTY | REMARKS |
|---|---|---|---|---|
| A1 | LAY-IN | 2x2 LED LENSED TROFFER | 10 | SEE SHEET E100 |
| B1 | CEILING | RECESSED 6IN CAN LIGHT | 7 | SEE SHEET E100 |
| B2 | CEILING | RECESSED 6IN CAN LIGHT | 33 | SEE SHEET E100 |
| B3 | CEILING | M4.0 - RECESSED 6IN CAN LIGHT (BLACK) | 4 | SEE SHEET E100 |
| C0 | SURFACE | LOW PROFILE LED 1FT | 2 | SEE SHEET E100 |
| C2 | SURFACE | LOW PROFILE LED 3FT | 6 | SEE SHEET E100 |
| C3 | SURFACE | LOW PROFILE LED 4FT | 6 | SEE SHEET E100 |
| C4 | SURFACE | LOW PROFILE LED 5FT | 8 | SEE SHEET E100 |
| E1 | SURFACE | EMERGENCY LIGHT - DUAL HEAD | 5 | SEE SHEET E100 |
| E4 | SURFACE | WHITE EXIT LIGHT - STANDARD RED LETTERS | 3 | SEE SHEET E100 |
| E7 | SURFACE | EMERGENCY LIGHT - DUAL HEAD | 9 | SEE SHEET E100 |
| H1 | SURFACE | VAPOR PROOF HOOD LIGHT | 8 | SEE SHEET E100 |
| J4 | PENDANT | M4.0 - PENDANT LIGHT | 2 | SEE SHEET E100 |
| P5 | PENDANT | M4.0 - PENDANT LIGHT | 2 | SEE SHEET E100 |
| P6 | PENDANT | M4.0 - MULTI-PENDANT LIGHT | 1 | SEE SHEET E100 & A701 |
| T1 | TRACK | TRACK LIGHTING HEAD | 14 | SEE SHEET E100 |
| T-6 | SUSPENDED | M4.0 - TRACK 6' | 4 | SEE SHEET E100 |
| T-8 | SUSPENDED | M4.0 - TRACK 8' | 1 | SEE SHEET E100 |




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




2 UNISTRUT LAYOUT PLAN
1/4" = 1'-0"

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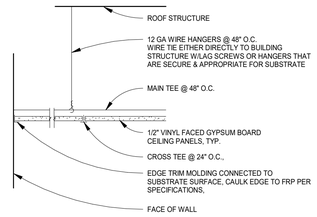
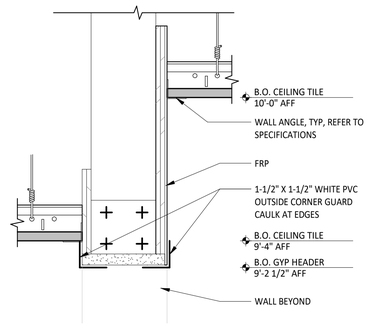
Reflected Ceiling Plan

A201

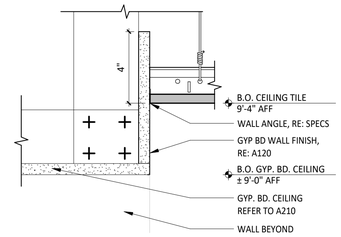
NOTES:
1. SUSPENSION SYSTEM SHALL COMPLY WITH ASTM C635 & C636
2. INSTALL ACOUSTICAL CEILING MATERIALS & SUSPENSION SYSTEMS IN STRICT ACCORDANCE W/MANUFACTURER'S RECOMMENDATIONS, COMPLYING WITH/GOVERNING REGULATIONS & INDUSTRY STANDARDS APPLICABLE TO THE WORK.
3. SEE SPECIFICATION SECTION 09510 FOR FURTHER INFORMATION.




11 SUSPENDED ACOUSTICAL CEILING DETAIL
1 1/2" = 1'-0"



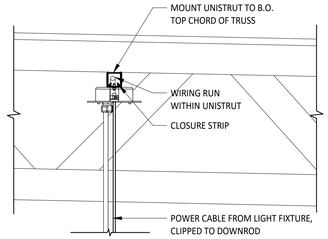

10 KITCHEN CEILING TRANSITION
3" = 1'-0"



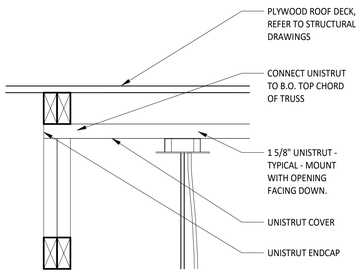

9 KITCHEN CEILING TRANSITION
3" = 1'-0"



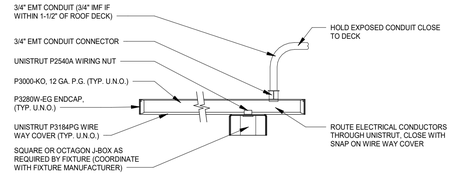

8 SUSPENDED SPEAKER DETAIL
1 1/2" = 1'-0"



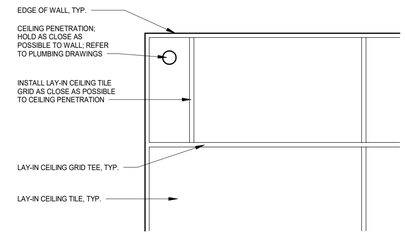

7 UNISTRUT DETAIL
1 1/2" = 1'-0"



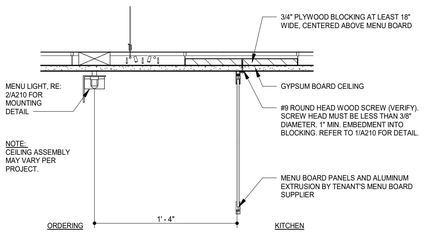

6 TYP. UNISTRUT MOUNTING DETAIL
1 1/2" = 1'-0"



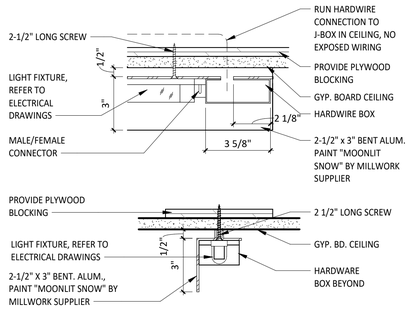

5 UNISTRUT MOUNTING DETAIL
1 1/2" = 1'-0"



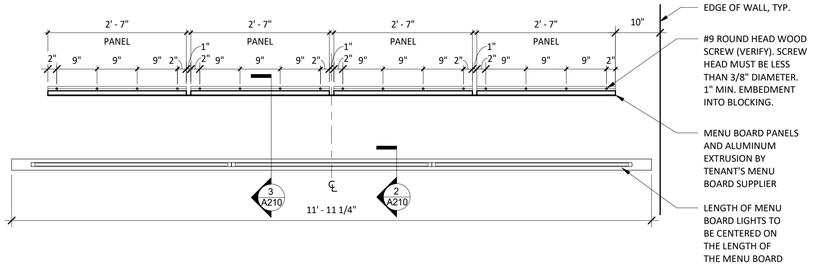

4 LAY-IN CEILING PENETRATION DETAIL
3/4" = 1'-0"




3 MENU BOARD DETAIL
1 1/2" = 1'-0"




2 MENU BOARD / ACCENT LIGHT DETAILS
3" = 1'-0"




1 MENU BOARD SCREW PATTERN PLAN
3/4" = 1'-0"

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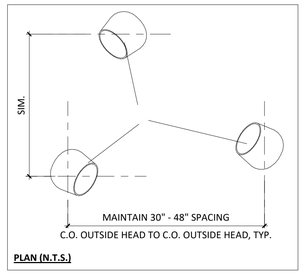
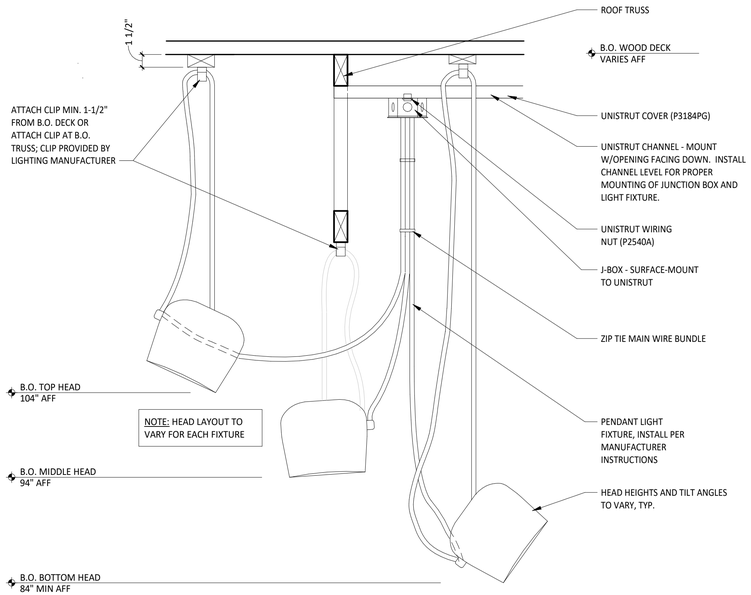
Ceiling Details

A210



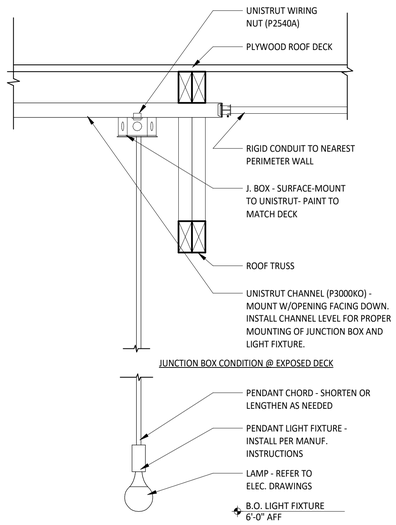

PLAN (N.T.S.)




4 SUSPENDED LIGHT FIXTURE
1 1/2" = 1'-0"

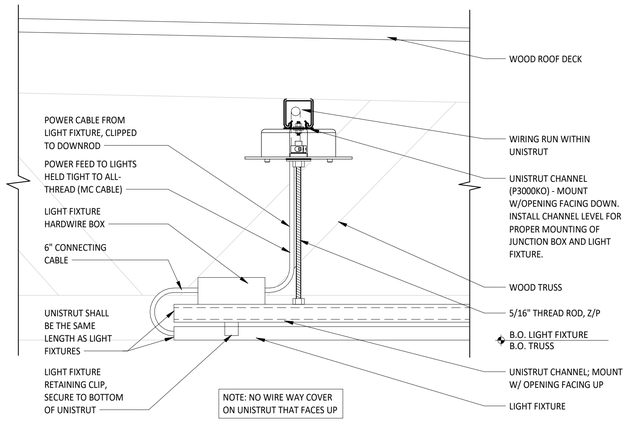



JUNCTION BOX CONDITION @ GYP. BD. CEILING

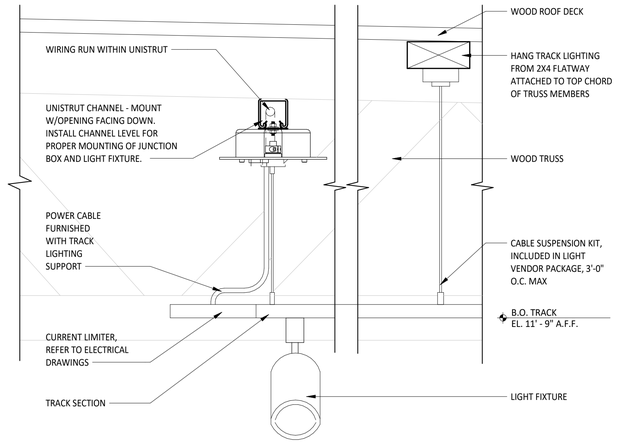



JUNCTION BOX CONDITION @ EXPOSED DECK

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




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




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

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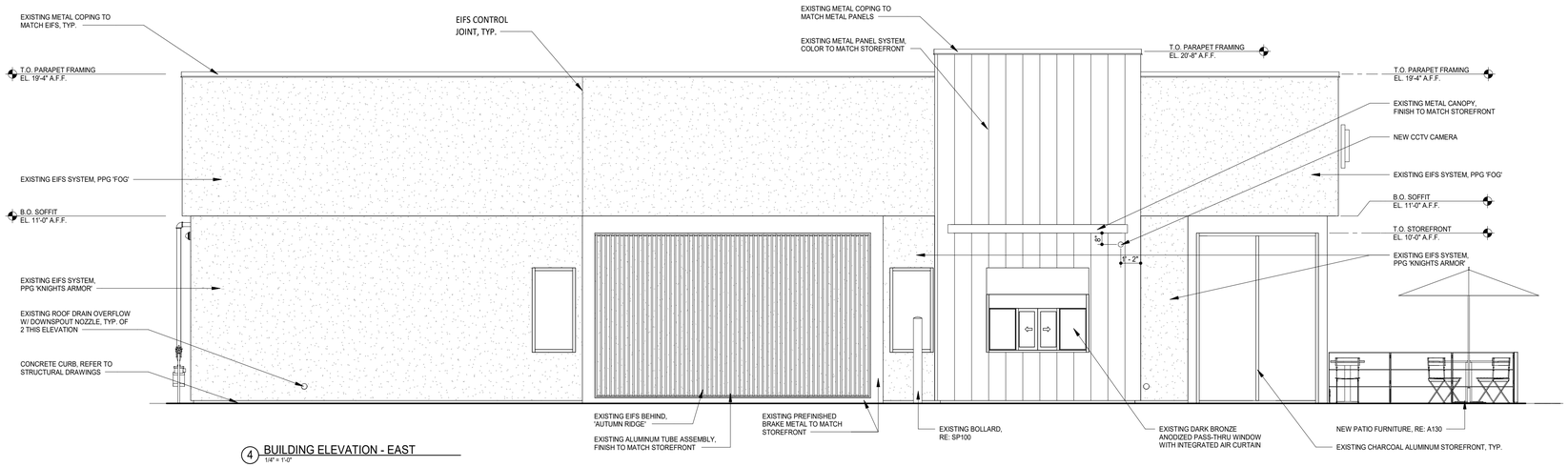
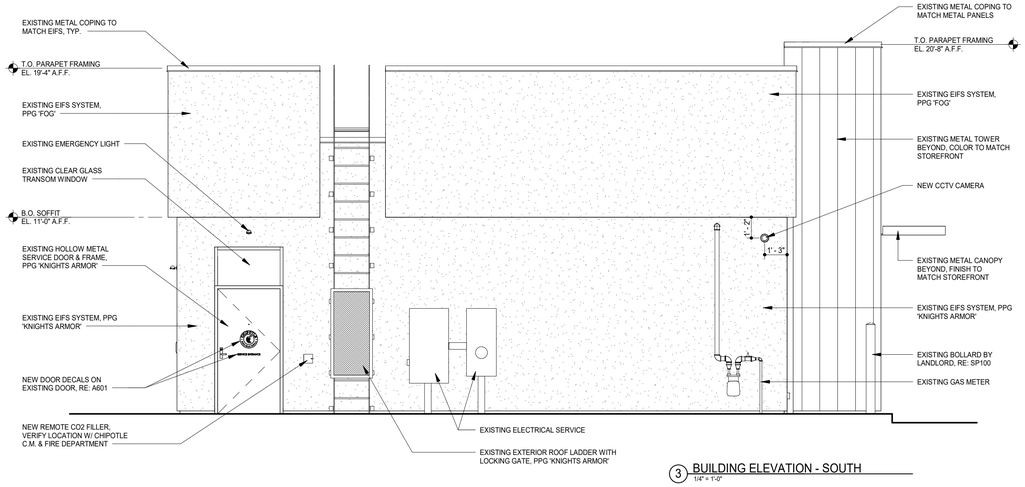
Lighting Details

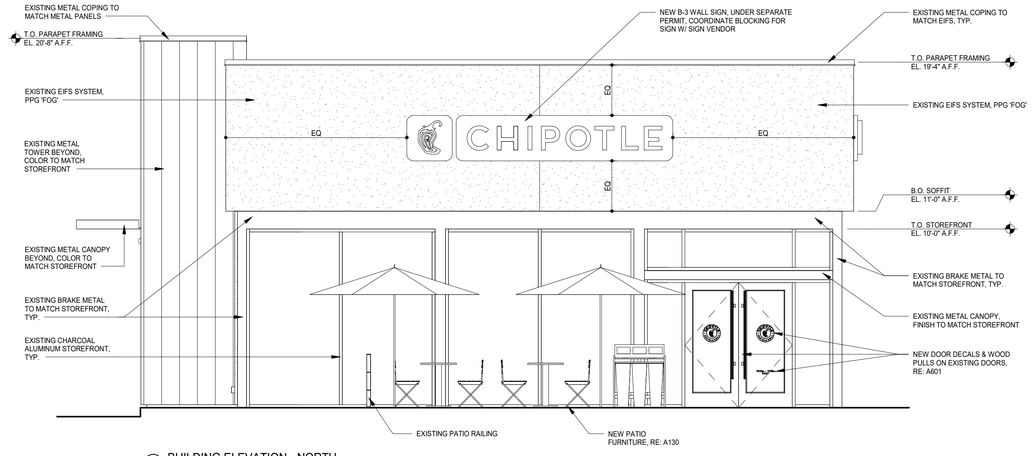
A211



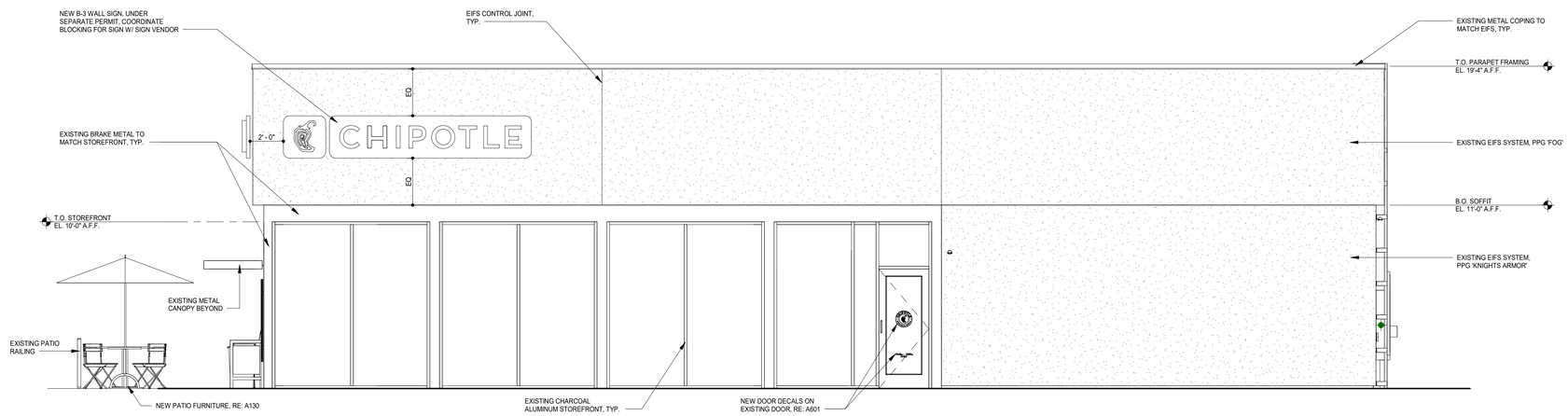

4 BUILDING ELEVATION - EAST
1/4" = 1'-0"




3 BUILDING ELEVATION - SOUTH
1/4" = 1'-0"




2 BUILDING ELEVATION - NORTH
1/4" = 1'-0"




1 BUILDING ELEVATION - WEST
1/4" = 1'-0"

## GENERAL NOTES

1. SIGNAGE IS SHOWN ONLY FOR PLACEMENT, SCALE & DESIGN INTENT. ALL SIGNAGE SHALL BE REVIEWED UNDER SEPARATE PERMIT.
   A. EXTERIOR SIGNAGE PROVIDED BY TSV AND INSTALLED BY TSV. GC TO MAKE FINAL CONNECTION.
2. ENSURE THAT ALL STOREFRONT HAS CONTINUOUS, CLEAN SEALANT AROUND THE INTERIOR AND EXTERIOR PERIMETER BETWEEN THE STOREFRONT AND THE EXTERIOR WALL FINISHES.
3. ALL COMPONENTS NOTED AS "EXISTING" IS EITHER AN EXISTING CONDITION OR NEW WORK THAT WILL BE PERFORMED BY THE LANDLORD UNDER A SEPARATE PERMIT PRIOR TO CHIPOTLE TAKING POSSESSION. ANY COMPONENT NOT NOTED SHALL BE ASSUMED TO BE "EXISTING". ALL COMPONENTS NOTED AS "NEW" IS IN THE SCOPE OF WORK OF THIS PROJECT.

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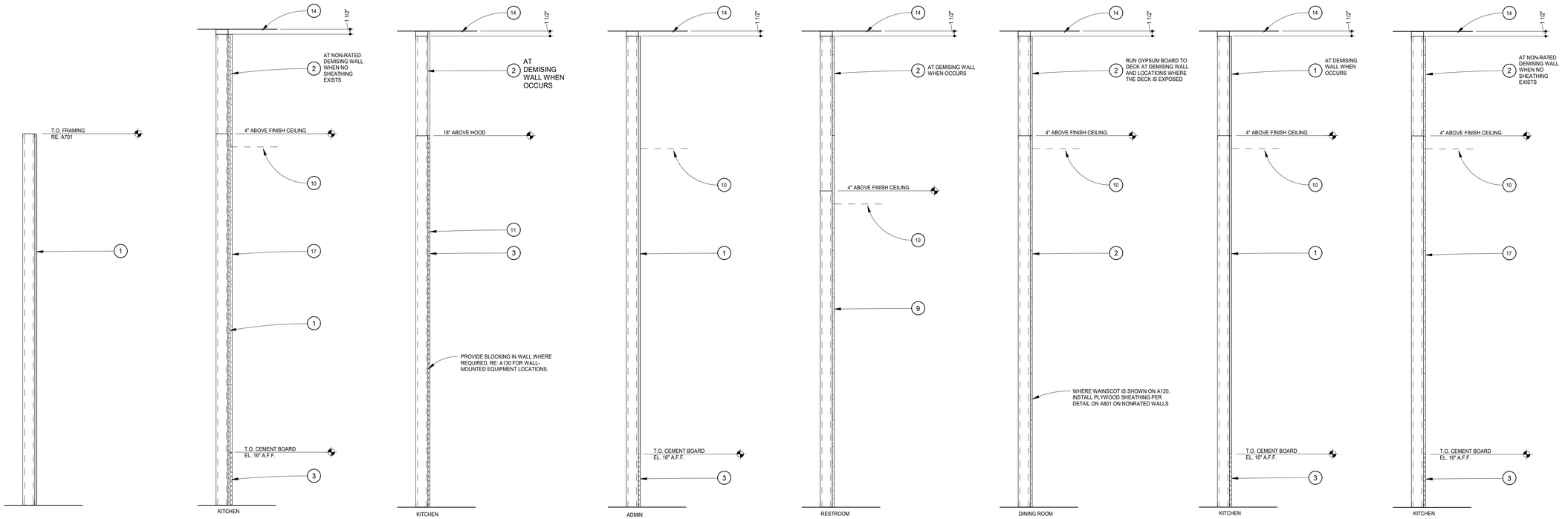
Exterior Elevations

A301

## WALL SHEATHING GROUPS




Sheathing Group H
3/4" = 1'-0"

Sheathing Group G
3/4" = 1'-0"

Sheathing Group F
3/4" = 1'-0"

Sheathing Group E
3/4" = 1'-0"

Sheathing Group D
3/4" = 1'-0"

Sheathing Group C
3/4" = 1'-0"

Sheathing Group B
3/4" = 1'-0"

Sheathing Group A
3/4" = 1'-0"

## METAL STUD TABLE

### 3 5/8" METAL STUDS

| Stud Type | Spacing | Max. Height w/out Tile | Max. Height w/ Tile |
|---|---|---|---|
| PROSTUD 25 15MIL | 12" | 16'-8" | 14'-7" |
| | 16" | 15'-2" | 13'-3" |
| PROSTUD 22 18MIL | 12" | 17'-4" | 15'-2" |
| | 16" | 15'-9" | 13'-9" |
| PROSTUD 20 22MIL | 12" | 18'-11" | 16'-6" |
| | 16" | 17'-2" | 15'-0" |

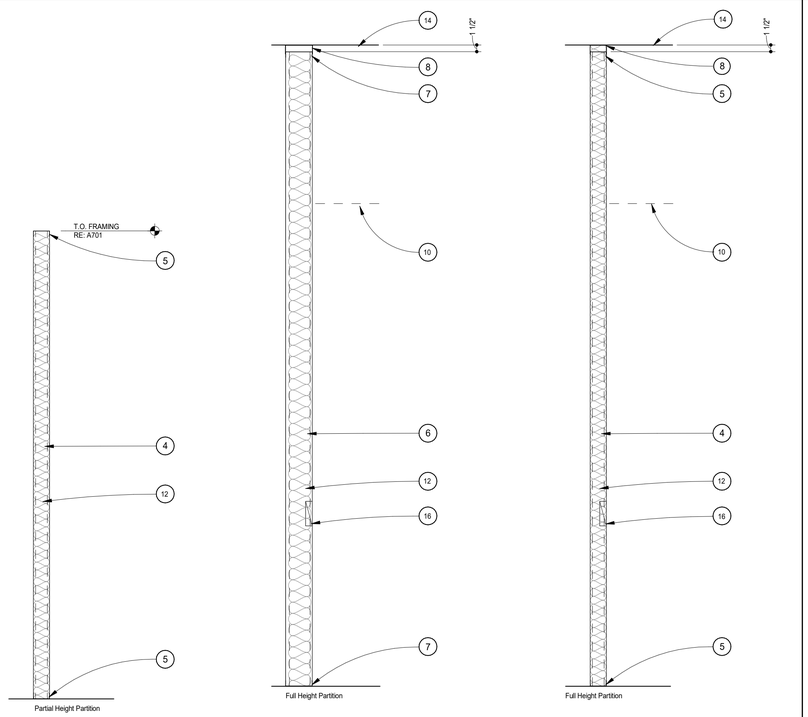
### 6" METAL STUDS

| Stud Type | Spacing | Max. Height w/out Tile | Max. Height w/ Tile |
|---|---|---|---|
| PROSTUD 25 15MIL | 12" | 22'-9" | 20'-6" |
| | 16" | 20'-8" | 18'-7" |
| PROSTUD 22 18MIL | 12" | 23'-4" | 20'-4" |
| | 16" | 21'-2" | 18'-6" |
| PROSTUD 20 22MIL | 12" | 26'-0" | 23'-0" |
| | 16" | 23'-7" | 20'-11" |

### NOTES:

1. RE: STRUCTURAL DRAWINGS FOR BEARING WALLS
2. FOR PENETRATIONS UP TO 3'-0" WIDE THROUGH FRAMED WALLS, PROVIDE A JAMB STUD FOR EACH FULL HEIGHT STUD THAT NEEDS TO BE SHORTENED TO ACCOMODATE THE PENETRATION, DISTRIBUTING THE EXTRA JAMB STUDS EVENLY ON EITHER SIDE OF THE OPENING. PROVIDE A TRACK SECURING THE TOPS OF WALLS THAT ARE SHORTENED BELOW PENETRATION.
3. METAL STUDS SHALL BE PROTRAK BY DIETRICH BUILDING SYSTEMS OR EQUIVALENT. ES #0171
4. PROVIDE BRACING PER MANUFACTURER
5. STUDS SPECIFIED HAVE 1 1/4" FLANGES

## METAL STUD FRAMING TYPES




Stud Framing Type 4
3/4" = 1'-0"

Stud Framing Type 3
3/4" = 1'-0"

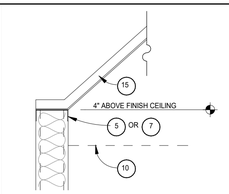
Stud Framing Type 1
3/4" = 1'-0"

## Keynotes

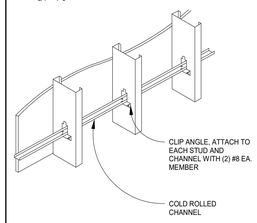
1. 5/8" PLYWOOD SHEATHING
2. 5/8" TYPE 'X' GYPSUM BOARD
3. 5/8" CEMENT BOARD
4. 3 5/8" METAL STUDS, SIZE PER METAL STUD TABLE UNLESS GIVEN ELSEWHERE IN THE DRAWINGS
5. 3 5/8" X 1 1/4" 20 GAUGE TRACK
6. 6" METAL STUDS, SIZE PER METAL STUD TABLE UNLESS GIVEN ELSEWHERE IN THE DRAWINGS
7. 6" X 1 1/4" 20 GAUGE TRACK
8. 2 1/2" HIGH, 20 GAUGE SLIP TRACK, OR PROVIDE TOP OF WALL BRACING DETAIL PER THIS SHEET
9. 5/8" MOISTURE RESISTANT GYPSUM BOARD
10. FINISH CEILING AS OCCURS - RE: PLANS AND SCHEDULES FOR HEIGHT AND MATERIAL
11. PROVIDE SHEET OF 24 GAUGE GALVANIZED METAL BEHIND SHEATHING, EXTEND 18" BEYOND EDGE OF HOOD IN ALL DIRECTIONS
12. 3 1/2" SOUND ATTENUATION BATTS AS OCCURS. UNFACED GLASS FIBER ACOUSTICAL INSULATION COMPLYING WITH ASTM C665, TYPE I. RE: PLANS FOR LOCATION.
13. 5 1/2", R-21 THERMAL BATT INSULATION AS OCCURS. KRAFT-FACED GLASS FIBER INSULATION COMPLYING WITH ASTM C665, TYPE II, CLASS C. RE: PLANS FOR LOCATION.
14. BOTTOM OF ROOF OR FLOOR DECK
15. 3 5/8" 20 GA METAL STUD BRACING @ 6'-0", SECURE TO TOP TRACK OF WALL AND ROOF STRUCTURE
16. WOOD BLOCKING IN WALL TO SUPPORT WALL-MOUNTED EQUIPMENT/FURNITURE (EXCEPT AT WALLS WITH PLYWOOD SHEATHING). LOCATION/QUANTITY AS NEEDED TO PROPERLY INSTALL EQUIPMENT/FURNITURE. RE: A130 AND INTERIOR ELEVATIONS.
17. 5/8" DENSSHIELD GLASS-MAT GYPSUM BACKING BOARD

## GENERAL NOTES

1. ALL WALL SHEATHING SHALL BE ATTACHED TO STUDS AND FLOOR & CEILING RUNNERS WITH 0.127" X 1" LONG SELF-DRILLING SELF-TAPPING STEEL SCREWS SPACED 8" O.C. ALONG EDGES OF BOARDS AND 12" O.C. IN FIELD OF THE BOARDS.
2. SEAL ALL OPENINGS AT TOP OF DEMISING WALLS WHERE APPLICABLE.
3. ALL METAL STUDS TO CONFORM TO LOCAL BUILDING CODES.
4. ALL STUD WALLS AND PARTITIONS REQUIRE GYP. BOARD ON BOTH SIDES FOR THE FULL HEIGHT OF THE STUDS UNLESS SPECIFICALLY DETAILED OTHERWISE
5. ALL SUSPENDED WALLS SHALL HAVE GYP. BOARD WHICH EXTENDS 4" ABOVE THE SUSPENDED CEILING UNLESS SHOWN AND/OR NOTED OTHERWISE BY THE ARCHITECT
6. ALL STUD WALLS AND PARTITIONS SHALL HAVE CONTINUOUS LINES OF BRIDGING SPACED AT 4'-0" MAXIMUM ON CENTER. THE BRIDGING SHALL BE SECURELY FASTENED TO THE STUDS WITH EITHER SCREWS OR WELDS. REFER TO DETAILS THIS SHEET.
7. ALL STUDS SHALL BE 'CEE' STUDS WITH FLANGE STIFFENERS.
8. THE MATERIALS AND DETAILS SHOWN ARE FOR TYPICAL INSTALLATIONS. WHERE THE STUD MANUFACTURER'S RECOMMENDATIONS OR LOCAL ORDINANCES ARE MORE RESTRICTIVE, THEY SHALL APPLY
9. PROVIDE BLOCKING IN WALLS FOR WALL MOUNTED ARTWORK, TOILET ROOM AND KITCHEN FIXTURES AND SHELVING, RE: A130 FOR LOCATIONS.
10. STABILIZE UNSHEATHED METAL STUDS PER DETAIL THIS SHEET.
11. AT CONTRACTOR'S OPTION, USE ALTERNATE T.O. WALL BRACING DETAIL ON THIS SHEET FOR WALLS THAT DO NOT HAVE WALL SHEATHING EXTENDING TO B.O. ROOF OR FLOOR DECK ABOVE.
12. FASTENERS:
    - A. STEEL STUDS TO STEEL STUDS OR TRACKS:
      1. 20 GAUGE - #8 - 18 X 1/2" TEKS WITH PHILIPS PAN HEAD - MIN. 2 PER CONNECTION
      2. 18/16 GAUGE - #10 - 16 X 3/4" TEKS WITH PHILIPS PAN HEAD - MIN. 3 PER CONNECTION
    - B. STEEL STUDS OR TRACKS TO WOOD PURLINS, GIRDERS AND BEAMS:
      1. #14 - 10 X 1-1/2" H.W.H. TYPE "S" METAL-TO-WOOD TEKS AT 12" O.C., 2" FROM EACH END
    - C. STEEL STUDS OR TRACKS TO STRUCTURAL STEEL (TUBE/WIDE FLANGE COLS, BMS, GIRDERS, ETC.)
      1. 0.145" DIA. HILTI X-EDNI FASTENERS, 5/8" MIN. LENGTH AND MIN. OF 2 PER CONNECTION, OR 2 ROWS AT 16" O.C. FOR CONTINUOUS APPLICATIONS SUCH AS TRACKS, U.N.O.
    - D. PLYWOOD TO STEEL STUDS:
      1. #10 - 24 X 1-1/4" TEKS/3 (PLYMETALKEDS) WITH THIN WAFER HEAD - 24" O.C. FILLED, 12" O.C. PERIMETER
    - E. GYPSUM BOARD TO STEEL STUDS:
      1. #7 X 1-1/4" HI-LOW TYPE "S" BUGLE HEAD SCREWS FOR 3/8" TO 5/8" GYPSUM BOARD TO 25 GAUGE OR 20 GAUGE STUDS.
      2. #6 X 1-1/4" TYPE S-12 BUGLE HEAD SCREWS FOR 3/8" TO 5/8" TO 18 GAUGE OR 16 GAUGE STUDS OR TRACKS
      3. FIELD - 12" O.C. CEILINGS, 24" O.C. WALLS
      4. BUTT JOINTS 12" O.C.
    - F. STEEL STUDS OR TRACKS TO CONCRETE:
      1. 0.145" DIA. HILTI X-DNI FASTENER, 1" MIN. LENGTH, 2 ROWS AT 16" O.C.

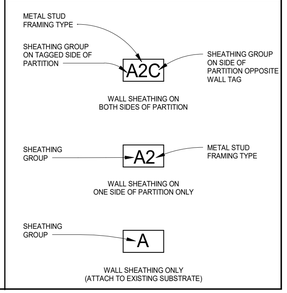



Alternate T.O. Wall Bracing Detail
3/4" = 1'-0"




Unsheathed Wall Stabilization
3/4" = 1'-0"

## WALL TYPE SYMBOL LEGEND





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08/13/2024


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Issue Record:

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|---|---|
| 01/09/24 | Permit Issue |
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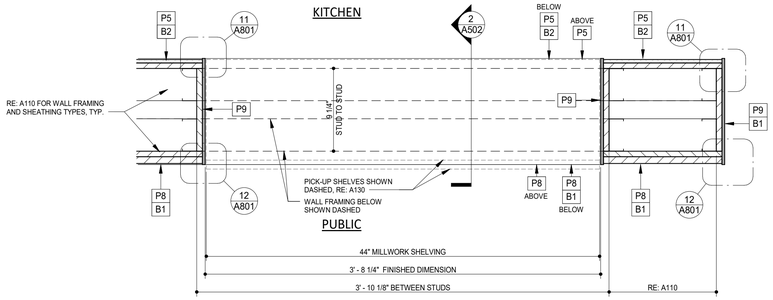
| 08/13/24 | Construction Issue |

Revisions:

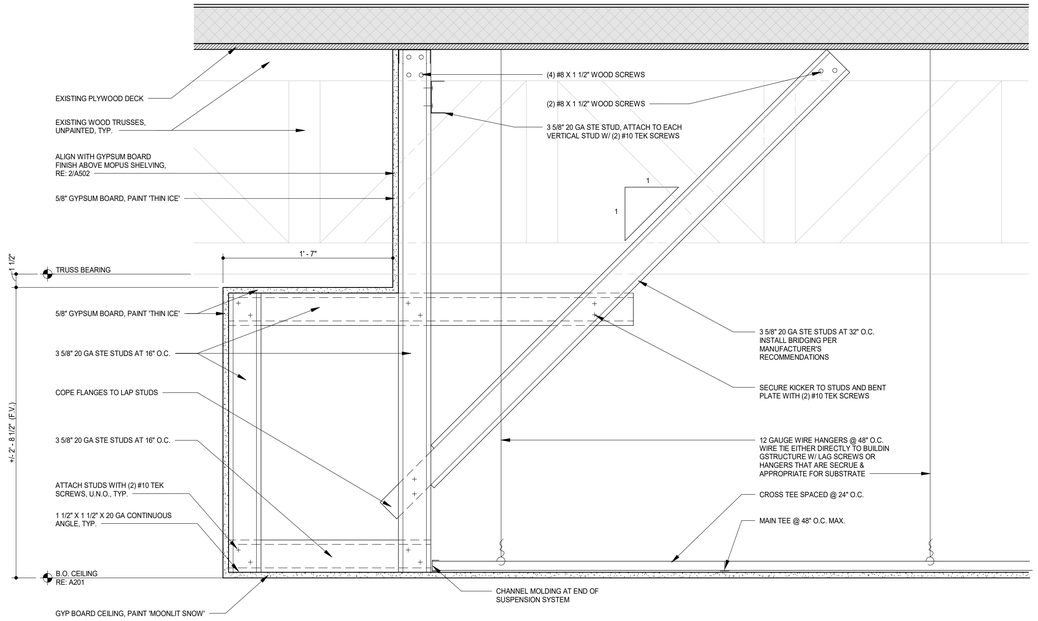
Project No.
01734

Architectural Wall Types

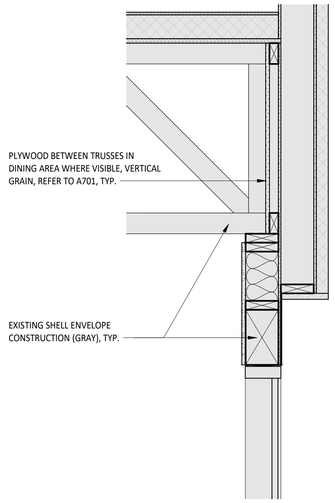
A501



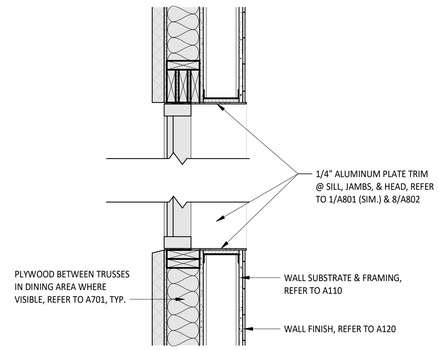

7 ENLARGED PLAN AT MOBILE ORDER PICKUP SHELVES (MOPUS)
1 1/2" = 1'-0"



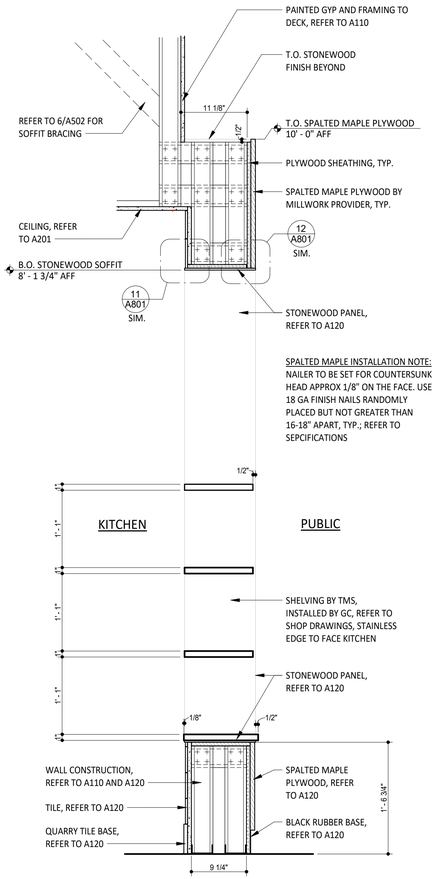

6 SERVELINE SOFFIT DETAIL
1 1/2" = 1'-0"



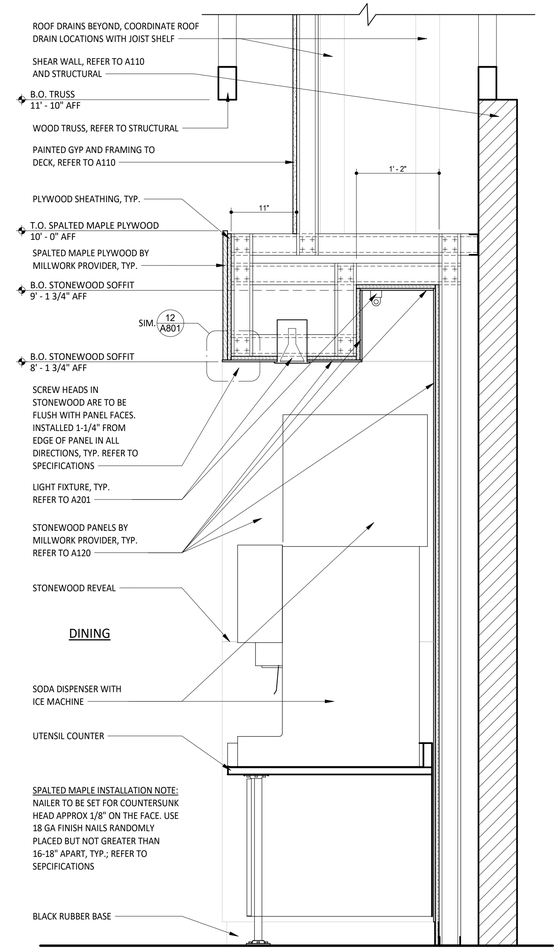

5 TRUSS / PLYWOOD SECTION
1" = 1'-0"




4 WINDOW FINISH SECTION
1" = 1'-0"




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




1 UTENSIL COUNTER SECTION
1" = 1'-0"

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Revisions:

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Interior Sections

A502

# DOOR SCHEDULE

| TAG | DESCRIPTION | DOOR STATUS | WIDTH | HEIGHT | THICKNESS | DOOR TYPE | STILE | DOOR FINISH | FRAME STATUS | FRAME TYPE | FRAME FINISH | HARDWARE SET | FIRE RATING | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MAIN ENTRY - PAIR | EXISTING | 6'-0" | 7'-0" | 1 3/4" | A | WIDE | PERMAFLUOR CHARCOAL | EXISTING | ALUM. STOREFRONT | PERMAFLUOR CHARCOAL | 1 | | 1,2,4,5 |
| 2 | DINING EXIT - SINGLE | EXISTING | 3'-0" | 7'-0" | 1 3/4" | A | WIDE | PERMAFLUOR CHARCOAL | EXISTING | ALUM. STOREFRONT | PERMAFLUOR CHARCOAL | 2 | | 1,3,4,5 |
| 3 | KITCHEN EXIT - SINGLE | EXISTING | 3'-6" | 7'-0" | 1 3/4" | D | - | D1, RE: A120 | EXISTING | HOLLOW METAL | D1, RE: A120 | 3 | | 1,4,6. ONLY PAINT INTERIOR SIDE OF DOOR & FRAME, EXTERIOR PAINT IS EXISTING |
| 4 | ADMIN - SINGLE | NEW | 3'-0" | 7'-0" | 1 3/4" | C | - | D1, RE: A120 | NEW | HOLLOW METAL | D1, RE: A120 | 4 | | |
| 5 | RESTROOM 103 - SINGLE | NEW | 3'-0" | 7'-0" | 1 3/4" | B | - | D1, RE: A120 | NEW | HOLLOW METAL | D1, RE: A120 | 5 | | |
| 6 | RESTROOM 104 - SINGLE | NEW | 3'-0" | 7'-0" | 1 3/4" | B | - | D1, RE: A120 | NEW | HOLLOW METAL | D1, RE: A120 | 5 | | |

# DOOR SCHEDULE REMARKS

1. DOORS WITH REMARK #1 TO BE KEYED THE SAME.
2. EXIT INDICATOR ARRIVES WITH SIGN STATING "THIS DOOR TO REMAIN UNLOCKED WHEN THE BUILDING IS OCCUPIED" SIGN TO BE PLACED IN A VISIBLE LOCATION ABOVE THE DOORS
3. THERE ARE TO BE NO EXTERIOR HOLES OR CYLINDERS
4. USE NON-SHRINK STRUCTURAL GROUT BED UNDER THRESHOLD
5. BLACK DOOR SWEEP TO BE USED WITH CHARCOAL OR DARK BRONZE STOREFRONT. LIGHT GRAY DOOR SWEEP TO BE USED WITH CLEAR ANODIZED ALUMINUM STOREFRONT
6. DOOR AND FRAME FINISHES FOR EXTERIOR DOOR APPLY ONLY TO THE INTERIOR SIDE OF EXTERIOR DOOR. RE: EXTERIOR ELEVATIONS FOR EXTERIOR FINISHES

* 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.

# DOOR HARDWARE SETS

**1 MAIN ENTRY - PAIR**

**EXISTING HARDWARE:**

| | | |
|---|---|---|
| (2) | CONTINUOUS 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 |
| (1) | TEMP CORE | SCHLAGE, MODEL 80-035 INTERCHANGEABLE CORE, (BRUSHED CHROME) |
| (1) | DEADBOLT | ADAMS RITE, MODEL MS1850S-310-628 |
| (1) | EXIT INDICATOR | ADAMS RITE, MODEL 4089-00-130 |
| (1) | HEADER BOLT | ADAMS RITE, MODEL 4016-30-01 |
| (1) | THRESHOLD BOLT | ADAMS RITE, MODEL 4015-18-1B |
| (2) | DOOR CLOSER | DORMA, MODEL 8916-AF89P-689 (TOP JAMB), (ALUMINUM) |
| (2) | DOOR STOP | IVES, MODEL FS185 (ALUMINUM) |
| (2) | OVERHEAD STOP | GLYNN-JOHNSON, MODEL 454S-SP28 (ALUMINUM) |
| (2) | CLOSER BACK PLATE | DORMA, MODEL BP89, ALUMINUM |
| (1) | THRESHOLD | REESE, MODEL S239A-72 (SIZE 72") |
| (2) | SMOKE SEAL | REESE, MODEL 797B-21 |

**NEW HARDWARE (TENANT FURNISHED):**

| | | |
|---|---|---|
| (2) | CUSTOM WOOD PULL | 1 1/2" DIAMETER, HEIGHT VARIES - PROVIDED BY MILLWORK SUPPLIER. MOUNT TOP OF PULL FLUSH WITH TOP OF GLAZING STOP IN DOOR, RE: SHOP DRAWINGS |
| (2) | CUSTOM WOOD PUSH | 1 1/2" DIAMETER, HEIGHT VARIES - PROVIDED BY MILLWORK SUPPLIER. MOUNT TOP OF PULL FLUSH WITH TOP OF GLAZING STOP IN DOOR, RE: SHOP DRAWINGS |
| (2) | DOOR SWEEP | PEMKO, MODEL SFSC-200-36 (36" DOOR) |

**2 PATIO DOOR - SINGLE LEAF**

**EXISTING HARDWARE:**

| | | |
|---|---|---|
| (1) | CONTINUOUS HINGE | HAGER, MODEL 780-224HD-83"-CLR |
| (1) | EXIT DEVICE | ADAMS RITE, MODEL 8801-36-628 (ALUMINUM FINISH, 36" DOOR); C.O. EXIT DEVICE AT 38" FROM BOTTOM OF DOOR |
| (1) | NON-OFFSET PULL | HAGER, MODEL 4G US32 (6" CTC), CENTER ON DOOR STILE |
| (1) | DOOR CLOSER | DORMA, MODEL 8916-AF89P-689 (TOP JAMB), (ALUMINUM) |
| (1) | CLOSER BACK PLATE | DORMA, MODEL BP89, ALUMINUM |
| (1) | OVERHEAD STOP | GLYNN-JOHNSON, MODEL 454S-US32D (ALUMINUM) |
| (1) | THRESHOLD | REESE, MODEL S424A-36 (SIZE 36") USE NON-SHRINK STRUCTURAL GROUT BED UNDER THRESHOLD |
| (1) | SMOKE SEAL | REESE, MODEL 797B-21 |
| (1) | DOOR STOP | IVES, MODEL FS185 (ALUMINUM) |

**NEW HARDWARE (TENANT FURNISHED):**

| | | |
|---|---|---|
| (1) | DOOR SWEEP | PEMKO, MODEL SFSC-200-36 (36" DOOR) |

**3 KITCHEN (REAR EXIT) - SINGLE LEAF**

**EXISTING HARDWARE:**

| | | |
|---|---|---|
| (1) | HINGE | HAGER, MODEL 780-224HD-83"-CLR |
| (1) | PANIC HARWARE | FALCON 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 (BRUSHED CHROME) |
| (1) | DOOR CLOSER | DORMA, MODEL 8916-AF89P-689 (TOP JAMB), ALUMINUM |
| (1) | CLOSER BACK PLATE | DORMA, MODEL BP89, ALUMINUM |
| (1) | THRESHOLD | REESE, MODEL S239A-42 (SIZE 42") |
| (1) | WEATHERSTRIP | REESE, MODEL DS75C-4070, (SIZE 21") |
| (1) | DOOR SILENCERS | IVES, MODEL SR64 |
| (1) | DOOR VIEWER | IVES, MODEL U698B26D, C.O. VIEWER AT 60" FROM BOTTOM OF DOOR |
| (1) | KICKPLATE | HIAWATHA, MODEL KP834-US36D |

**NEW HARDWARE (TENANT FURNISHED):**

| | | |
|---|---|---|
| (1) | DOOR BUZZER | TRINE, MODEL 240 |
| (1) | DOOR SWEEP | PEMKO, MODEL SFSC-200-42 (42" DOOR, BLACK) |
| (1) | EXIT ALARM | TRINE, MODEL 206-3 |

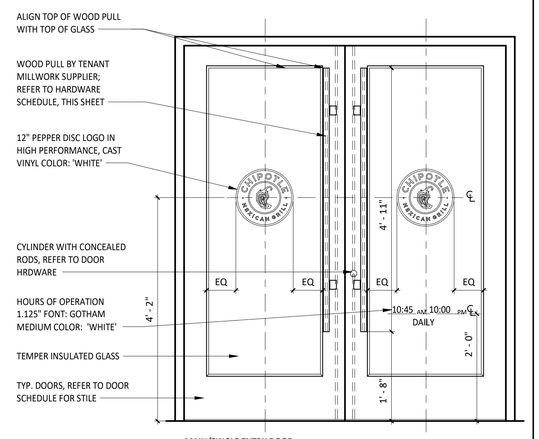
**4 ADMIN - SINGLE LEAF**

| | | |
|---|---|---|
| (3) | HINGE | STANLEY, MODEL FBB179-4.5-US26 (06-8438) |
| (1) | LOCKSET | SCHLAGE, MODEL L9453L-06A-626 |
| (1) | TEMP CORE | SCHLAGE, MODEL 80-035 INTERCHANGEABLE CORE (BRUSHED CHROME) |
| (1) | KICKPLATE | HIAWATHA, MODEL KP834-US32D |
| (1) | DOOR STOP | DON-JO, MODEL 1407-630, STAINLESS STEEL |
| (3) | DOOR SILENCERS | IVES, MODEL SR64 |
| (1) | SECURITY WINDOW | AIR LOUVERS, MODEL VSL1212TEMPPAK SLIMLINE 12" x 12" x 1/4" LITE KIT (10" x 10" GLASS VISIBLE) |

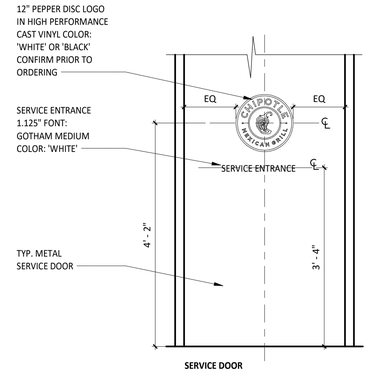
**5 RESTROOMS 103 & 104 - SINGLE LEAF**

| | | |
|---|---|---|
| (3) | HINGE | STANLEY, MODEL FBB179-4.5-US26 (06-8438) |
| (1) | CLOSER | FALCON, MODEL: SC61xRW/PAxALU |
| (1) | LOCKSET | SCHLAGE, MODELCO-100-CY-40-KP-RHO-626-PD |
| (1) | DOOR STOP | DON-JO, 1407-630 |
| (3) | DOOR SILENCERS | IVES, MODEL SR64 |
| (2) | KICK PLATE | HIAWATHA, MODEL KP834-US32D |
| (1) | COAT HOOK | MILLS MODEL FT6519, SUPPLIED BY WASHROOM ACCESSORIES VENDOR, MOUNT T.O. HOOK AT 47 1/2" A.F.F. |

# TYPICAL EXTERIOR DOOR TYPES

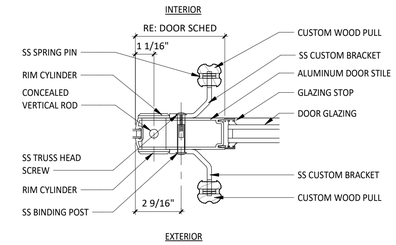



**MAIN/SINGLE ENTRY DOOR**

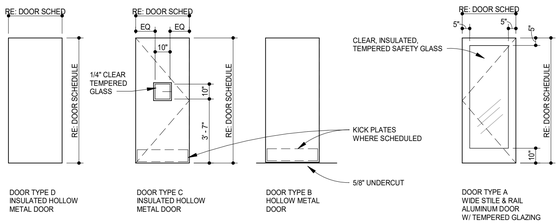



**SERVICE DOOR**

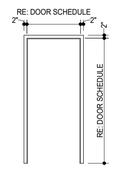
# CUSTOM WOOD PULL




# DOOR TYPES




# FRAME TYPES



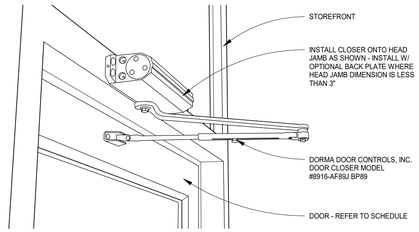

FRAME TYPE 1

NOTE:
GC TO VERIFY WALL THICKNESS PRIOR TO ORDING DOOR FRAMES.

# DOOR NOTES

1. ALL EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
2. LATCHES, HANDLES, PANIC BARS AND ALL DOOR HARDWARE WILL COMPLY WITH SECTION 7.2 OF NFPA 101 PER THE SPECIFICATIONS.
3. THE MANAGER HAS A KEY TO UNLOCK RESTROOM DOORS, FROM THE OUTSIDE IN THE CASE OF AN EMERGENCY.
4. ALL DOORS ARE TO REMAIN UNLOCKED DURING BUSINESS HOURS.
5. RE: THIS SHEET FOR EXTERIOR DOOR SIGNAGE INFORMATION.
6. 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.
7. ALL INTERIOR HOLLOW METAL DOORS, HOLLOW METAL DOOR FRAMES, AND DOOR HARDWARE (EXCEPT WOOD PULLS/PUSHES - PROVIDED BY TENANT MILLWORK SUPPLIER) ARE PROVIDED BY CHIPOTLE'S HARDWARE SUPPLIER AND INSTALLED BY TENANT G.C.. CONTACT PETE KLIMEK WITH TWIN CITY HARDWARE AT 763-535-4660 TO ARRANGE DELIVERY.
8. 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.
9. ALL SUPPORT SIGNAGE PROVIDED BY TENANT'S SUPPORT SIGNAGE SUPPLIER AND INSTALLED BY G.C..
10. ALL GLAZING IN DOORS SHALL BE CLEAR, TEMPERED SAFETY GLAZING.

# DOOR CLOSER




TOP JAMB MOUNT INSTALLATION. (NOTE THAT BACKPLATE IS MISSING IN THIS INSTALLATION BECAUSE HEAD JAMB IS OF ADEQUATE HEIGHT TO RECEIVE ALL MOUNTING SCREWS WITHOUT IT.) WHEN IN DOUBT ABOUT THE HEAD JAMB DIMENSION OR STABILITY, ORDER THE BACKPLATE. THE CLOSER SHOWN IN THE DIAGRAM ABOVE IS NOT THE EXACT CLOSER SPECIFIED ON THIS SHEET. THE INSTALLATION, HOWEVER, IS CORRECT.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Overland Park, KS 66212
913-341-2466


FOR CONSTRUCTION

08/13/2024


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Revisions:

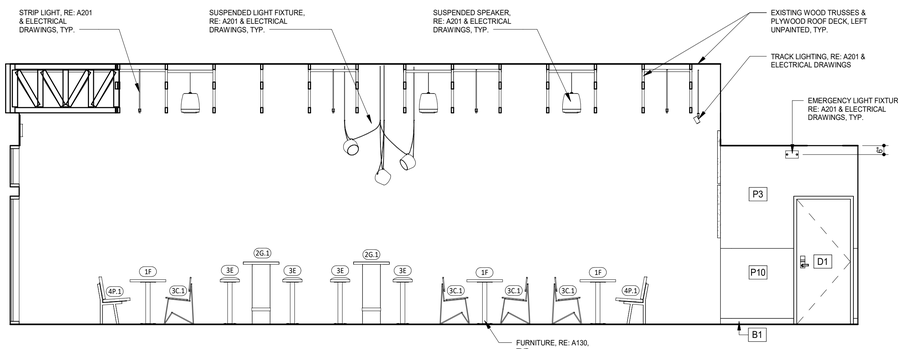
Project No.
01734

Door & Hardware Schedule

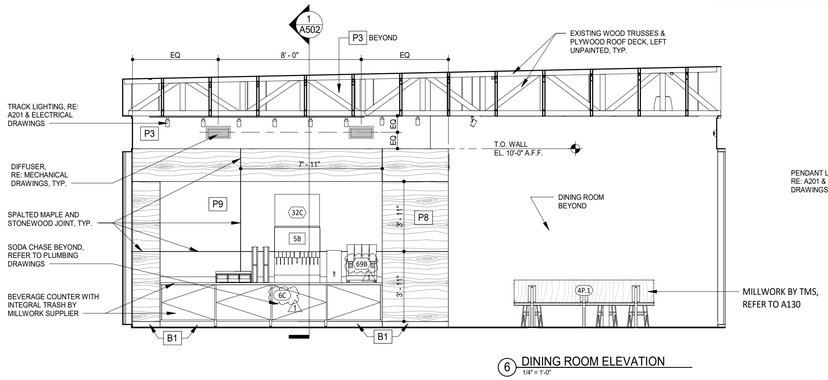
A601

## FINISH LEGEND

| WALL BASE FINISHES | | WALL FINISHES | | DOOR FINISHES | |
|---|---|---|---|---|---|
| B1 | 4" BLACK RUBBER - NO COVE, RE: 4&5/A801 | P1 | PLYWOOD BETWEEN TRUSSES, VERTICAL GRAIN, RE: 5/A502 | D1 | PAINT "BLACK" |
| B2 | QUARRY TILE WITH COVE, RE: 4-7/A802 & 19/A802 | P2 | FIBERGLASS REINFORCED PANELS TO 4'-0" AFF (SMOOTH FINISH) | D2 | PAINT "KNIGHT'S ARMOR" |
| B3 | 4" BLACK RUBBER BASE WITH COVE, RE: 18/A801 | P3 | GYPSUM BOARD; PAINT "THIN ICE", EGGSHELL, REFER TO 701 AND A710 | | |
| B4 | QUARRY TILE - NO COVE, RE: 2/A802 | P4 | GYPSUM BOARD; PAINT "THIN ICE", SEMI-GLOSS FINISH BELOW 4'-3" A.F.F. | | |
| B5 | CERAMIC TILE BASE, RE: 3/A802 | P5 | CERAMIC TILE - WHITE, RE: A802 | | |
| | | P6 | FIBERGLASS REINFORCED PANELS (PEBBLED FINISH) | | |
| | | P7 | EXPOSED COOLER WALL (EMBOSSED COATED STEEL) | | |
| | | P8 | SPALTED MAPLE PANEL, HORIZONTAL GRAIN | | |
| | | P9 | STONEWOOD PANEL, RE: 5/A801 | | |
| | | P10 | STONEWOOD WAINSCOT, RE: 2,3,16&19/A801 | | |
| | | P11 | CERAMIC TILE - ACCENT - BRONZE 3" X 12", RE: A802 | | |
| | | P12 | PREFINISHED BRAKE METAL, EXISTING | | |
| | | P13 | ALUMINUM STOREFRONT, EXISTING | | |
| | DENOTES WOOD BLOCKING IN WALL BEHIND WALL MOUNTED OBJECT U.N.O. | | | | |




7 DINING ROOM ELEVATION
1/4" = 1'-0"

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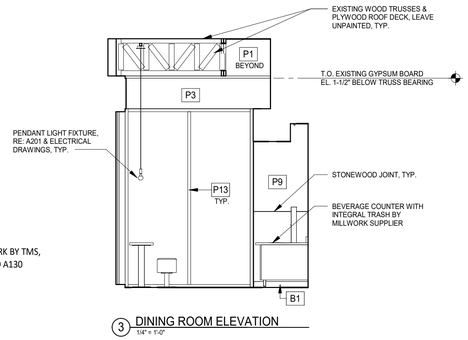


3 DINING ROOM ELEVATION
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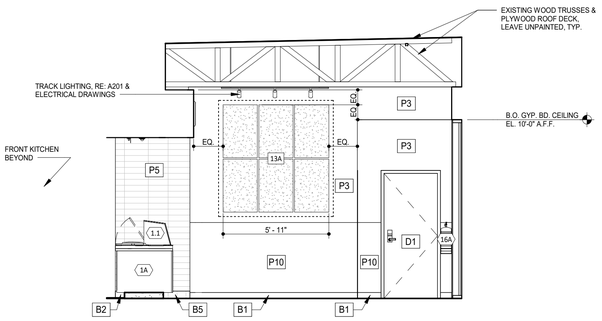
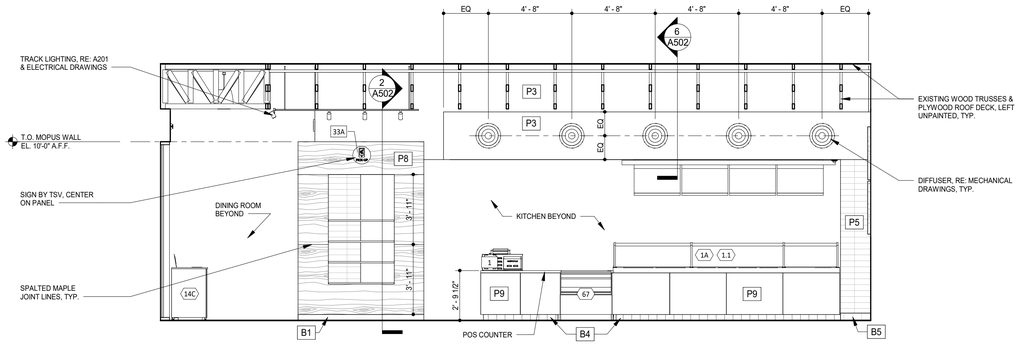



5 DINING ROOM ELEVATION
1/4" = 1'-0"




2 DINING ROOM ELEVATION
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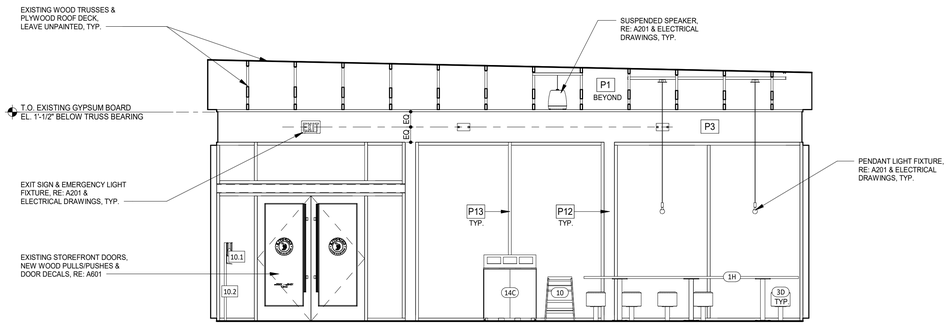
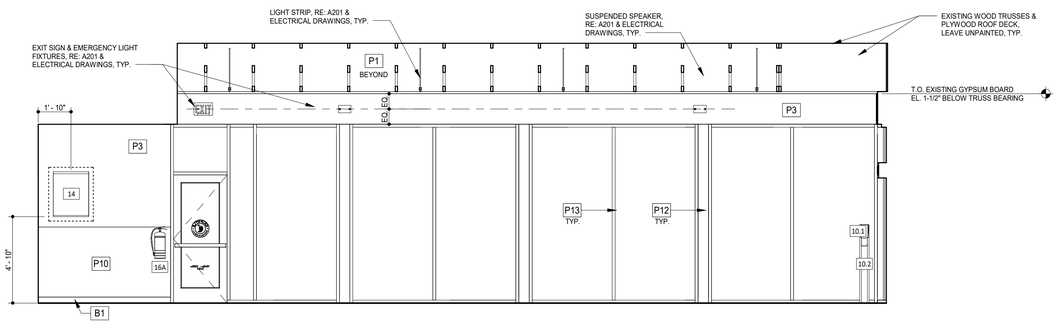



4 DINING ROOM ELEVATION
1/4" = 1'-0"




1 DINING ROOM ELEVATION
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Revisions:

| | | |
|---|---|---|
| 1 | 03/12/24 | City Comments I |

Project No.
01734

Elevations - Interior Dining

A701

## FINISH LEGEND

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|---|---|---|---|---|---|
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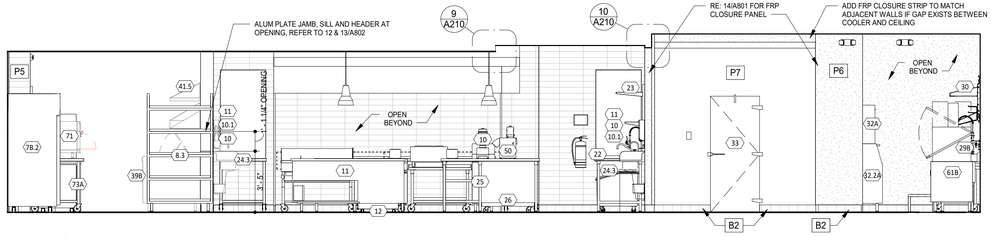
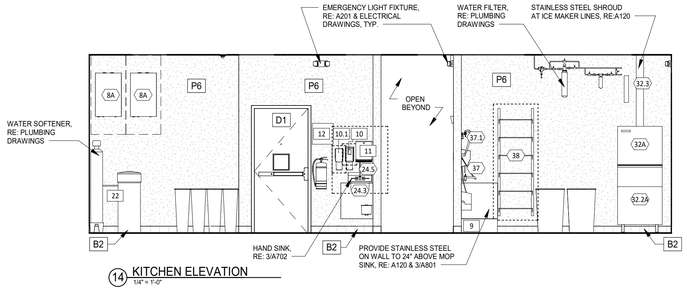
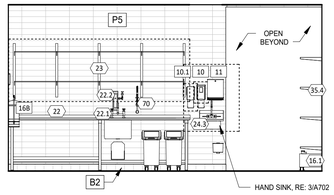


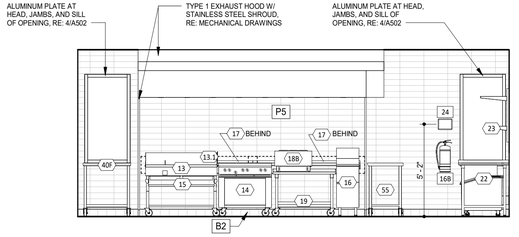

15 KITCHEN ELEVATION
1/4" = 1'-0"




14 KITCHEN ELEVATION
1/4" = 1'-0"

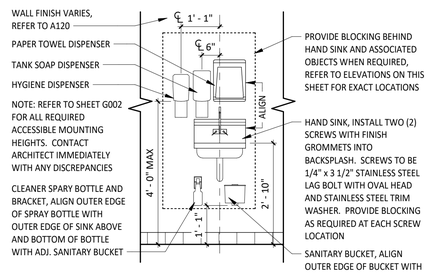



10 KITCHEN ELEVATION
1/4" = 1'-0"

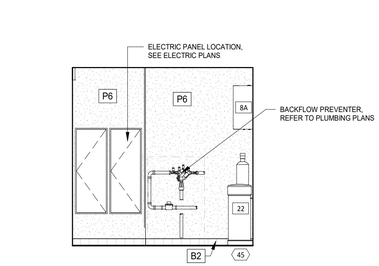



7 KITCHEN ELEVATION
1/4" = 1'-0"

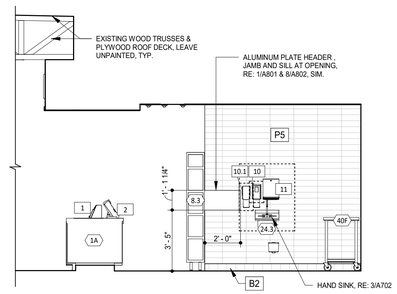
*THIS DETAIL IS FOR HANDSINK ACCESSORY DIMENSIONS ONLY. FOR ACTUAL ORIENTATION OF HAND SINK AND ACCESSORIES, REFER TO KITCHEN ELEVATIONS



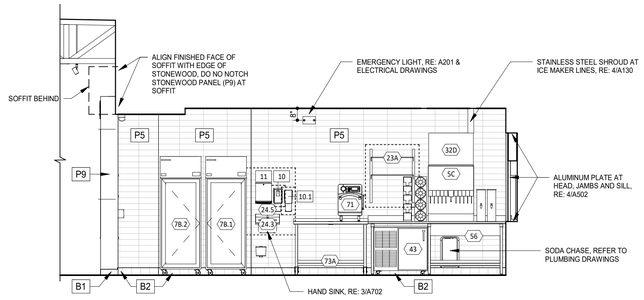

3 TYP ELEVATION @ HAND SINK
1/2" = 1'-0"



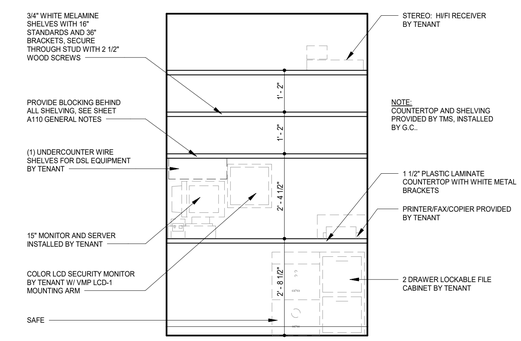

13 KITCHEN ELEVATION
1/4" = 1'-0"



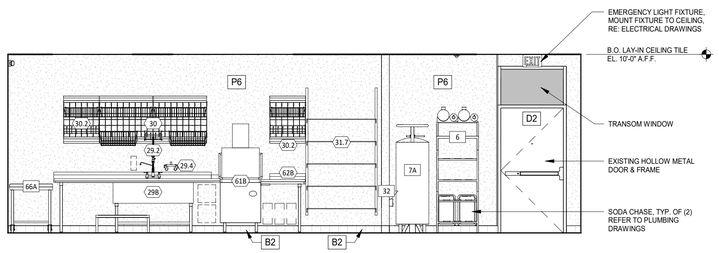

9 KITCHEN ELEVATION
1/4" = 1'-0"



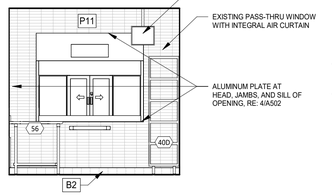

6 KITCHEN ELEVATION
1/4" = 1'-0"



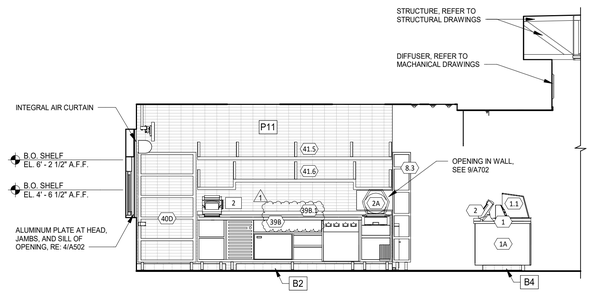

2 TYP ELEVATION @ OFFICE SHELVING
1/2" = 1'-0"




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




8 KITCHEN ELEVATION
1/4" = 1'-0"

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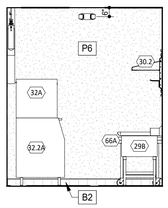
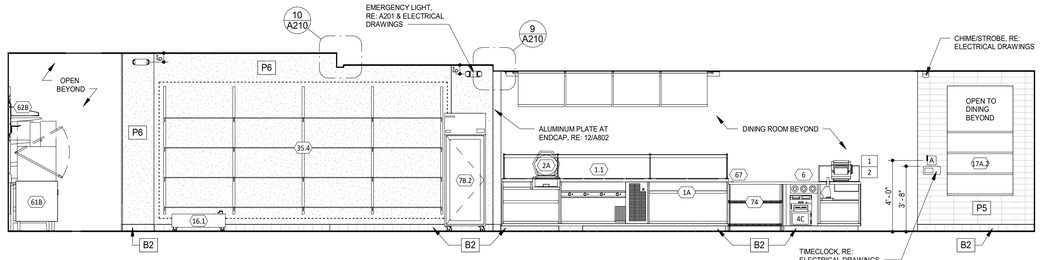



11 KITCHEN ELEVATION
1/4" = 1'-0"

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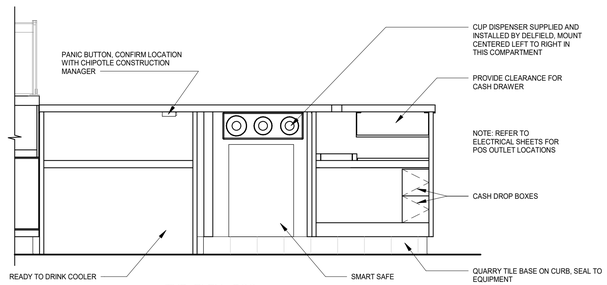
1/4" = 1'-0"




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

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| 1 03/12/24 | City Comments I |

Project No.
01734

Elevations - Interior Kitchen

A702

# RESTROOM ACCESSORY SCHEDULE

| ITEM # | DESCRIPTION | MFGR | MODEL | QTY | PROVIDED BY | INSTALLED BY | UTILITY | | | | MOUNTING HEIGHT | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ELEC | GAS | WATER | SEWER | | |
| 1A | Grab Bar - 36in | ASI | 3501-36 | 2 | WA | GC | | | | | 36" AFF to Top of Grasping Surface | Provide Plywood Blocking to Mount to Wall |
| 1C | Grab Bar - 18in | ASI | 3501-18 | 2 | WA | GC | | | | | 40" AFF to Centerline of Bottom Return | Provide Plywood Blocking to Mount to Wall |
| 1D | Grab Bar - 48in | ASI | 3501-48 | 2 | WA | GC | | | | | 36" AFF to Top of Grasping Surface | Provide Plywood Blocking to Mount to Wall |
| 3 | Vandal Proof Mirror | Sentry Mirror | 20" x 30" Vandal Proof Mirror | 2 | WA | GC | | | | | Bottom Edge of Reflecting Surface at 40" AFF | Provide Plywood Blocking to Mount to Wall |
| 5 | Touch-Free Soap Dispenser | Purell | CS8 | 2 | WA | GC | | | | | 47 1/2" AFF to Top of Unit | |
| 7 | Recessed Toilet Paper Dispenser | ASI | OO31 | 2 | WA | GC | | | | | 29" AFF to Top of Unit | Recess Mounted in Wall - Rough Opening: 6 1/4"W x 12 1/4"H x 3 3/8"D; Top Of Rough Opening @ 29 1/4" AFF |
| 8 | Utility Shelf | ASI | 0692 | 2 | WA | GC | | | | | 46" AFF To Top Of Shelf | Provide Toggle Bolts to Mount to Wall |
| 9 | Recessed Convertible Paper Towel Dispenser and Waste Receptacle, Recess Mounted in Wall | Bobrick | B-3944 | 2 | WA | GC | | | | | Bottom of Unit at Top of Floor Base, Bottom of Dispenser to be at 40" AFF, Recess Mounting In Wall | Rough Opening: 16"W x 54 3/4"H x 4" D. Provide Plywood Blocking to Mount to Wall |
| 12 | Napkin Disposal - Recessed | ASI | O473 | 3 | WA | GC | | | | | Top of Rough Opening @ 29" AFF | Recess Mounted in Wall - Rough Opening: 11 1/4"W x 15 3/4"H x 4"D |
| 14 | Restroom Hand Sink | Kohler | K-2084 | 2 | GC | GC | | | | • | Mount Bottom of Front Edge Of The Sink At Exactly 29" AFF | |
| 14.1 | Restroom Hand Sink Faucet | T&S | EC-3102-TMV-LF-05 | 2 | KES | GC | | | • | | | To Be Furnished With .5 GPM Aerator Installed. Thermostatic mixing valve is also included. |
| 15 | Hand Sanitizer Dispenser | Purell | ES8 | 2 | WA | GC | | | | | Align T.O. Unit With T.O. Soap Dispenser | |
| 16a | Surface Mounted Horizontal Baby Changing Station | Koala Care | KB200-05 | 2 | WA | GC | | | | | Mount Bottom of Open Changing Bed at Exactly 27" AFF | GC to Provide adequate blocking to support the baby changing equipment. Blocking shall be installed in such a manner to not damage or compromise the rated assembly of the existing wall construction |

# FINISH LEGEND

| WALL BASE FINISHES | | WALL FINISHES | | DOOR FINISHES | |
|---|---|---|---|---|---|
| B1 | 4" BLACK RUBBER - NO COVE, RE: 4&5/A801 | P1 | PLYWOOD BETWEEN TRUSSES, VERTICAL GRAIN, RE: 5/A502 | D1 | PAINT "BLACK" |
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| B3 | 4" BLACK RUBBER BASE WITH COVE, RE: 18/A801 | P3 | GYPSUM BOARD; PAINT "THIN ICE", EGGSHELL, REFER TO 701 AND A710 | | |
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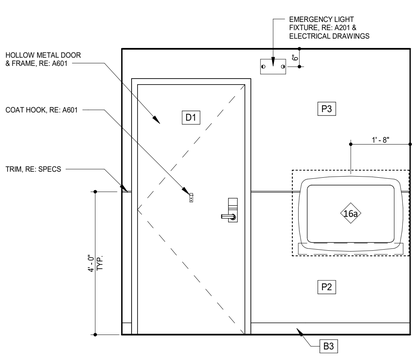
| | | P12 | PREFINISHED BRAKE METAL, EXISTING | | |
| | | P13 | ALUMINUM STOREFRONT, EXISTING | | |

# GENERAL NOTES

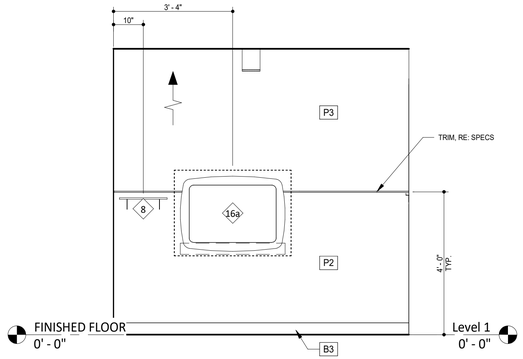
1. ALL DIMENSIONS ARE TO FINISHED FACE OF WALL, CENTER OF FIXTURE, OR EDGE OF FIXTURE, U.N.O.
2. ALL ACCESSORIES SHALL BE BY MANUFACTURER NOTED IN RESTROOM ACCESSORY SCHEDULE OR TENANT APPROVED EQUAL.
3. PROVIDE SOLID WOOD BLOCKING AS NECESSARY FOR INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS.

# ELEVATION LEGEND

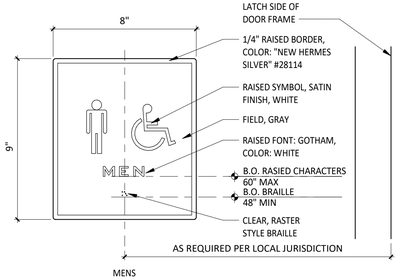
DENOTES WOOD BLOCKING IN WALL BEHIND WALL MOUNTED OBJECT U.N.O.

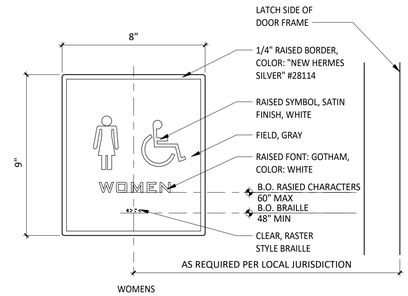



8 RESTROOM 104 ELEVATION
1/2" = 1'-0"

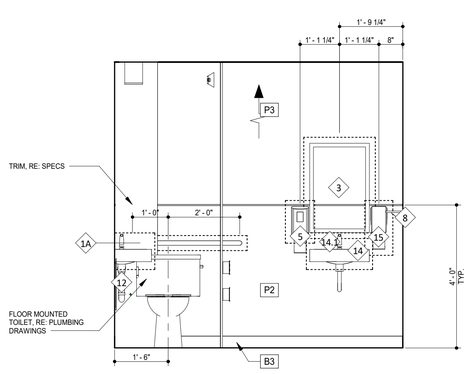



5 RESTROOM 103 ELEVATION
1/2" = 1'-0"

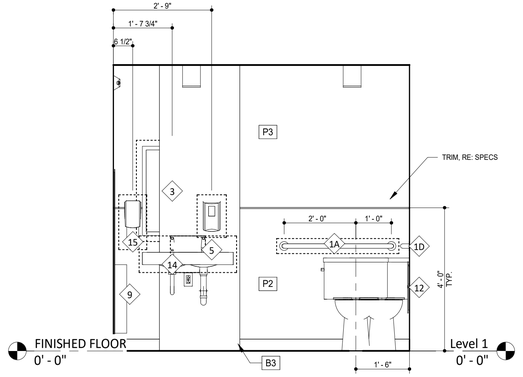


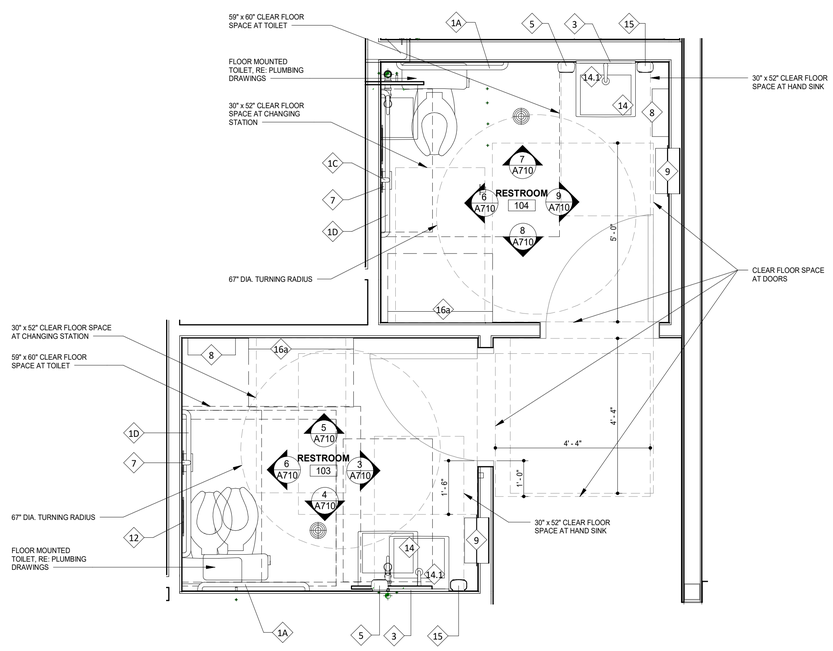

2 TYPICAL WASHROOM SIGNAGE
3" = 1'-0"




7 RESTROOM 104 ELEVATION (RESTROOM 103 OPP.)
1/2" = 1'-0"



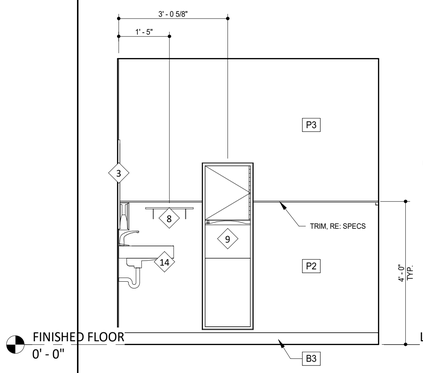

4 RESTROOM 103 ELEVATION
1/2" = 1'-0"



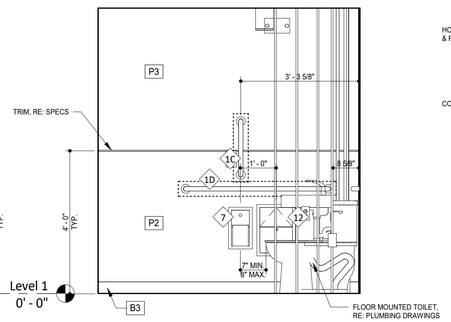




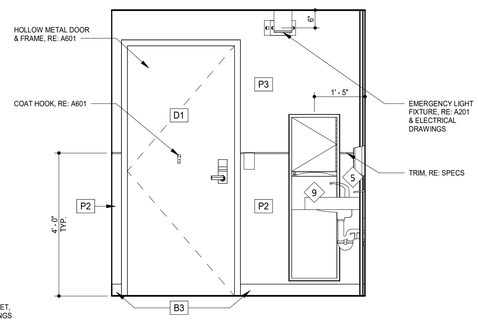
1 ENLARGED TOILET ROOM PLAN
1/2" = 1'-0"




9 RESTROOM 104 ELEVATION
1/2" = 1'-0"




6 RESTROOM 104 ELEVATION (RESTROOM 103 OPP.)
1/2" = 1'-0"




3 RESTROOM 103 ELEVATION
1/2" = 1'-0"


DUNGAN DESIGN GROUP
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Overland Park, KS 66212
913-341-2466


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08/13/2024


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Metairie, LA 70003

Issue Record:

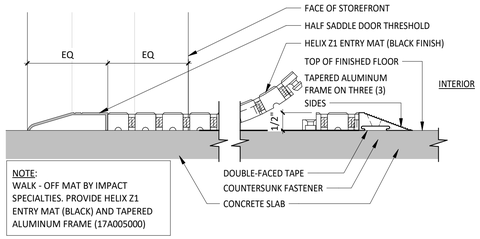
| | |
|---|---|
| 01/09/24 | Permit Issue |
| 05/15/24 | Bid Issue |
| 08/13/24 | Construction Issue |

Revisions:

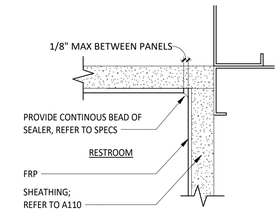
Project No.
01734

Toilet Room Details

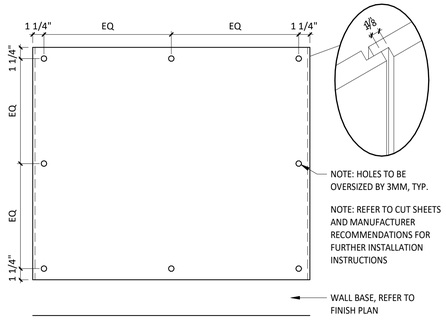
A710



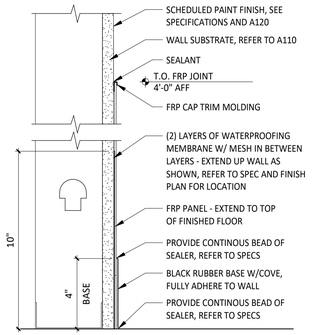

21 SECTION - SURFACE-MOUNTED WALK-OFF MAT DETAIL
6" = 1'-0"



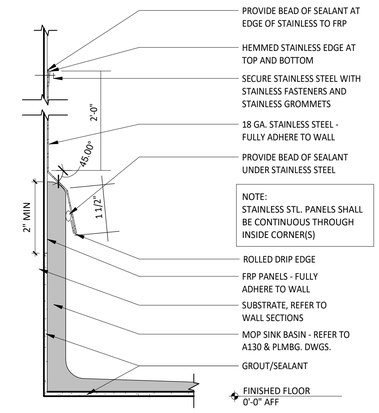

20 PLAN - RESTROOM FRP INSIDE CORNER
3" = 1'-0"



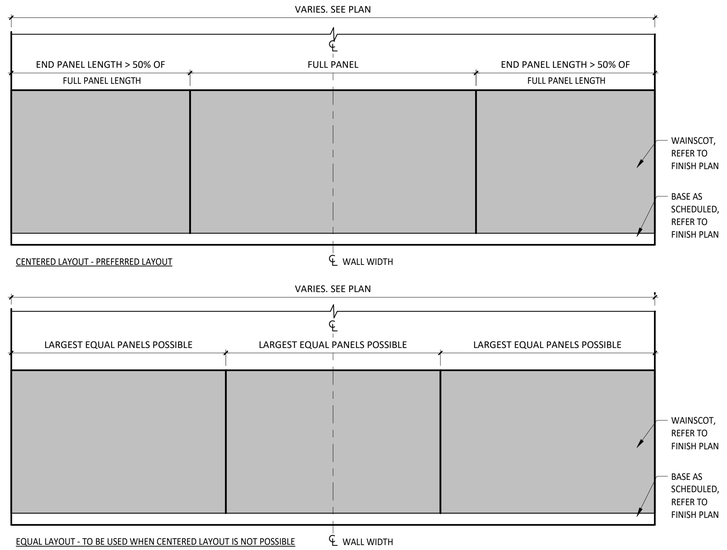

19 ELEVATION - WAINSCOT PANEL DETAIL
1 1/2" = 1'-0"




18 SECTION - RR FRP WAINSCOT W/ RUBBER BASE
3" = 1'-0"

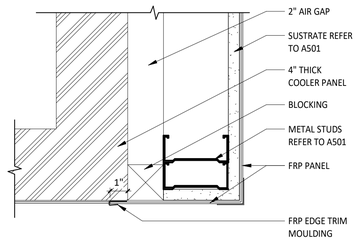



17 SECTION - MOP SINK
6" = 1'-0"

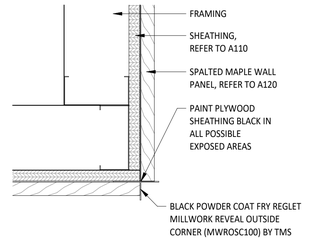



16 ELEVATION - WAINSCOT LAYOUT
1/2" = 1'-0"

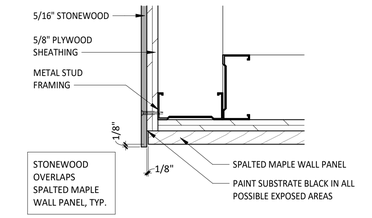
DETAIL 15 NOT USED




14 PLAN - FRP CLOSURE @ COOLER
3" = 1'-0"

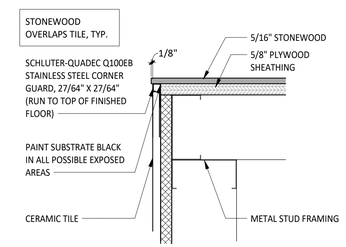



13 PLAN - SPALTED MAPLE-TO-SPALTED MAPLE CORNER
3" = 1'-0"

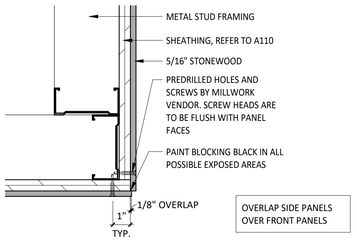



12 PLAN - SPALTED MAPLE-TO-STONEWOOD OUTSIDE CORNER
3" = 1'-0"

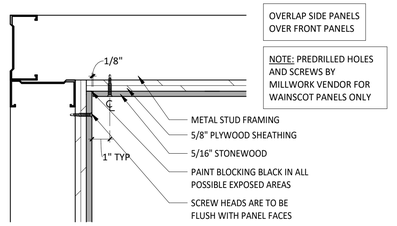
DETAIL 10 NOT USED



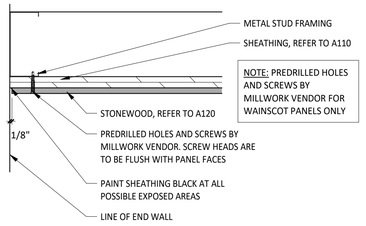

11 PLAN - STONEWOOD-TO-TILE OUTSIDE CORNER
3" = 1'-0"



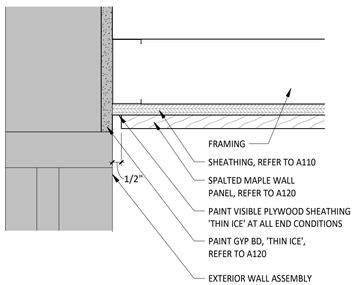

9 PLAN - STONEWOOD OUTSIDE CORNER
3" = 1'-0"



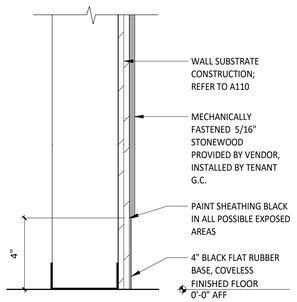

8 PLAN - STONEWOOD INSIDE CORNER
3" = 1'-0"



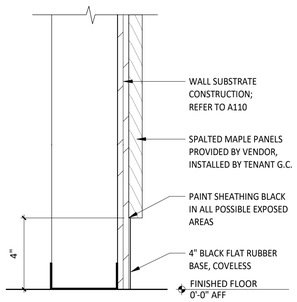

7 PLAN - STONEWOOD END CONDITION
3" = 1'-0"



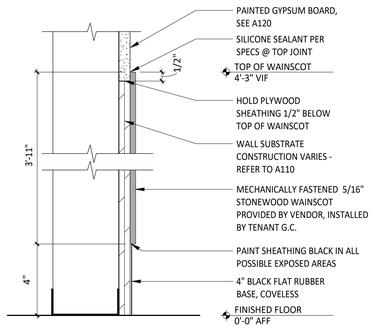

6 PLAN - SPALTED PLYWOOD END CONDITION
3" = 1'-0"



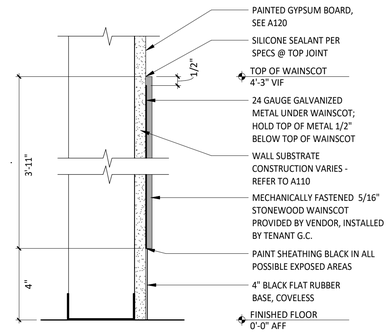

5 SECTION - STONEWOOD
3" = 1'-0"



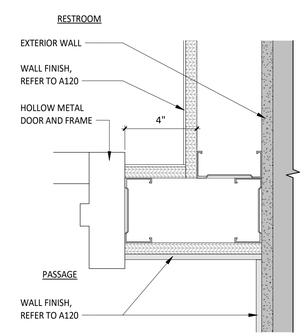

4 SECTION - SPALTED MAPLE
3" = 1'-0"




3 SECTION - WAINSCOT - PLYWOOD BACKING (PREFERRED)
3" = 1'-0"




2 SECTION - WAINSCOT - GALV. BACKING (@ RATED WALLS ONLY)
3" = 1'-0"




1 PLAN - DOOR JAMB
3" = 1'-0"

DUNGAN DESIGN GROUP
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Overland Park, KS 66212
913-341-2466

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Issue Record:

| | |
|---|---|
| 01/09/24 | Permit Issue |
| 05/15/24 | Bid Issue |
| 08/13/24 | Construction Issue |

Revisions:

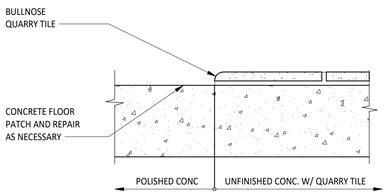
Project No.
01734

Finish Details

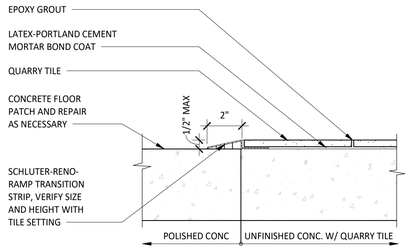
A801

# GENERAL NOTES

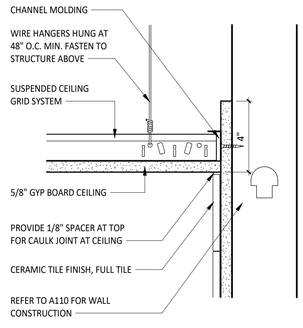
| | |
|---|---|
| 1. | TILE INSTALLER SHALL COORDINATE WITH GENERAL CONTRACTOR AND PROVIDE LAYOUT OF ALL WALL TILE PRIOR TO INSTALLATION. GENERAL CONTRACTOR SHALL PREPARE WALLS AS TO NOT HAVE ANY CUT TILES IN EITHER DIRECTION (HORIZONTALLY OR VERTICALLY) ON ANY WALLS. LAYOUT SHALL BE APPROVED BY CHIPOTLE CM PRIOR TO INSTALLATION. CONTRACTOR SHALL CONTACT ARCHITECT OF ANY DISCREPANCIES IN DIMENSIONS FOR DIRECTION PRIOR TO INSTALLATION. FAILURE TO ADHERE TO THESE REQUIREMENTS RESULTING IN ANY REMEDIATION REQUIRED TO MEET DESIGN INTENT WILL BE AT CONTRACTOR'S COST. |
| 2. | IF REQUIRED TO CUT TILES, CONTRACTOR TO MEASURE OVERALL WALL WIDTH AND DETERMINE WHICH SOLUTION WILL ALLOW FOR THE GREATER THAN 50% TILE WIDTH AT WALL TERMINATIONS. |
| 3. | UNLESS OTHERWISE NOTED, ALL WALL TILES SHOULD BE CENTERED ON THE WIDTH OF THE WALL PER DETAIL 14 OR 15 THIS SHEET. |
| 4. | THERE SHOULD NEVER BE ANY CUT TILES VERTICALLY BETWEEN THE BASE AND THE CEILING. REFER TO A120 AND A201. |



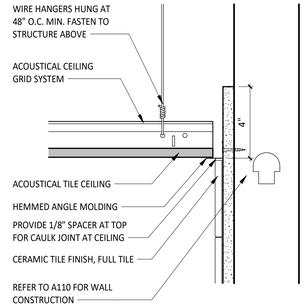

23 SECTION - BULLNOSE FLOOR TRANSITION
3" = 1'-0"



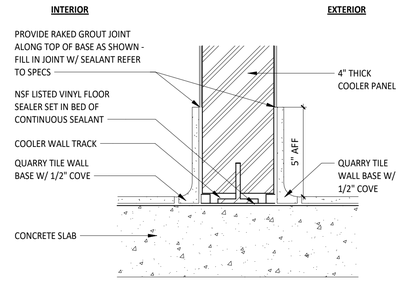

22 SECTION - FLOOR TRANSITION W/ RAMP
3" = 1'-0"



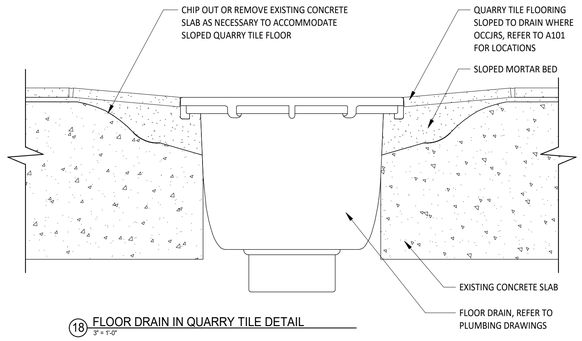

21 SECTION - TILE @ GYPSUM BOARD CEILING
3" = 1'-0"



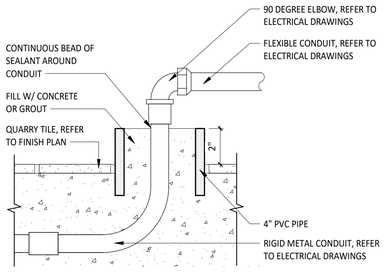

20 SECTION - TILE @ LAY-IN CEILING
3" = 1'-0"



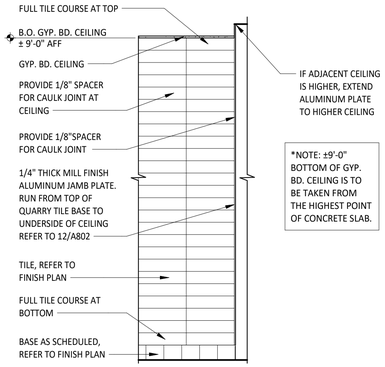

19 SECTION - QUARRY TILE BASE @ COOLER WALL
3" = 1'-0"



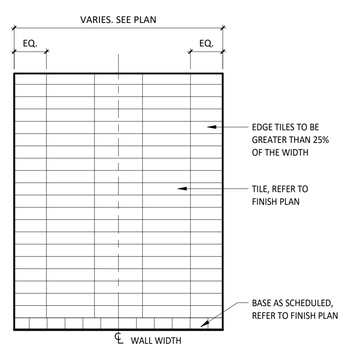

18 FLOOR DRAIN IN QUARRY TILE DETAIL
3" = 1'-0"



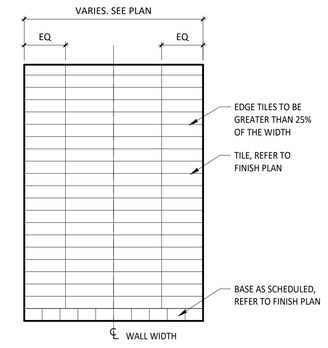

17 SECTION - POWER STUB UNDER TABLES
3" = 1'-0"



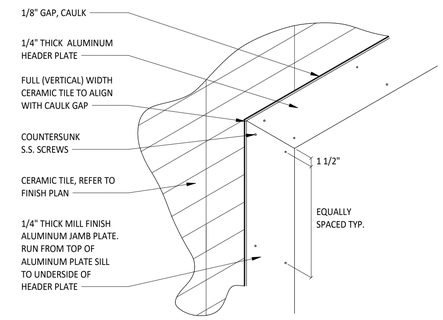

16 TILE LAYOUT - WALL ENDCAP
1/2" = 1'-0"



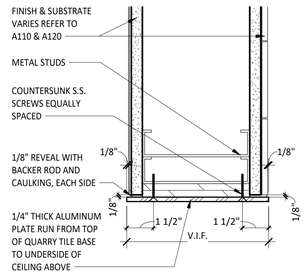

15 TILE LAYOUT - TILE CENTERED ON WALL
1/2" = 1'-0"



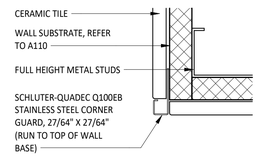

14 TILE LAYOUT - GROUT JOINT CENTERED ON WALL
1/2" = 1'-0"



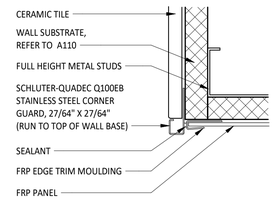

13 TILE DETAIL @ ALUMINUM PLATE JAMB/HEADER
1" = 1'-0"



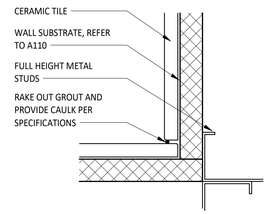

12 PLAN - ALUMINUM PLATE @ JAMB/HEAD/SILL
3" = 1'-0"



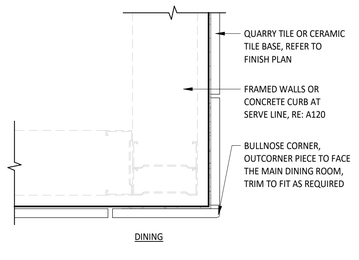

11 PLAN - TILE-TO-TILE OUTSIDE CORNER
6" = 1'-0"



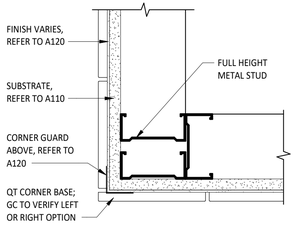

10 PLAN - TILE-TO-FRP OUTSIDE CORNER
6" = 1'-0"



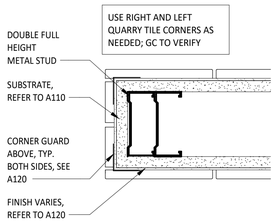

9 PLAN - TILE-TO-TILE INSIDE CORNER
6" = 1'-0"



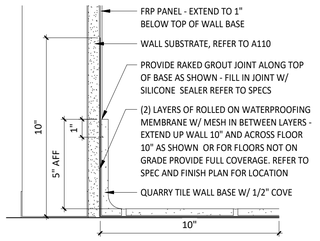

8 PLAN - TILE BASE @ OUTSIDE CORNER (DINING)
3" = 1'-0"



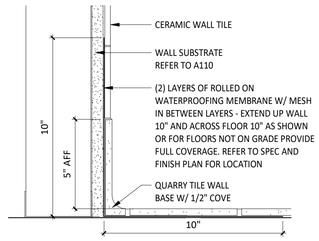

7 PLAN - QT BASE @ OUTSIDE CORNER (KITCHEN)
3" = 1'-0"



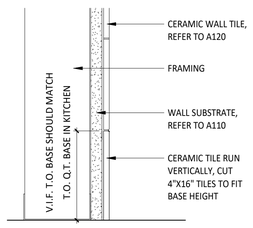

6 PLAN - QUARRY TILE BASE @ ENDCAP
3" = 1'-0"



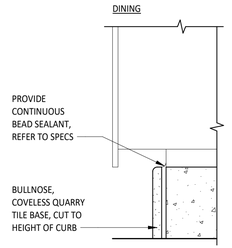

5 SECTION - QUARRY TILE BASE @ FRP
3" = 1'-0"



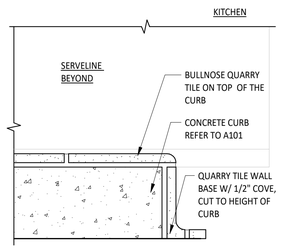

4 SECTION - QUARRY TILE BASE @ CERAMIC TILE
3" = 1'-0"




3 SECTION - CERAMIC TILE BASE @ TILE WALL
3" = 1'-0"




2 SECTION - QUARRY TILE @ CURB
3" = 1'-0"




1 SECTION - QUARY TILE @ CURB
3" = 1'-0"


DUNGAN DESIGN GROUP
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Overland Park, KS 66212
913-341-2466


FOR CONSTRUCTION

08/13/2024


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Metairie
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6940 Veterans Memorial Blvd.
Metairie, LA 70003

Issue Record:

| | |
|---|---|
| 01/09/24 | Permit Issue |
| 05/15/24 | Bid Issue |
| 08/13/24 | Construction Issue |

Revisions:

Project No.
01734

Finish Details

A802

DUNGAN DESIGN GROUP

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Overland Park, KS 66212
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Revisions:

Project No.
01734

Interior Perspectives

A900

03_Abbreviation Schedule

| Abbreviation | Abbreviation Name |
|---|---|
| +/- | PLUS OR MINUS |
| ADDNL | ADDITIONAL |
| ADJ | ADJACENT |
| AESS | ARCHITECTURALLY EXPOSED STRUCTURAL STEEL |
| AFF | ABOVE FINISHED FLOOR |
| ALT | ALTERNATE |
| AR | ANCHOR ROD |
| ARCH | ARCHITECT OR ARCHITECTURAL |
| B/ | BOTTOM OF |
| B/W | BETWEEN |
| BLDG | BUILDING |
| BLKG | BLOCKING |
| BM | BEAM |
| BOT | BOTTOM |
| BRG | BEARING |
| BWP | BRACED WALL PANEL |
| CFS | COLD FORMED STEEL |
| CHKD | CHECKED |
| CIP | CAST IN PLACE |
| CJ | CONTROL JOINT |
| CJP | COMPLETE JOINT PENETRATION |
| CL | CENTERLINE |
| CLR | CLEAR |
| COL | COLUMN |
| CONC | CONCRETE |
| CONN | CONNECTION |
| CONT | CONTINUOUS |
| CTR | CENTER |
| db | DIA OF REINF BAR, DIA OF BOLT |
| DBA | DEFORMED BAR ANCHOR |
| DIA or Ø | DIAMETER |
| DIAG | DIAGONAL |
| DIR | DIRECTION |
| DWL | DOWEL |
| EA | EACH |
| EE | EXTENDED END |
| EJ | EXPANSION JOINT |
| ELEV | ELEVATION |
| ENGR | ENGINEER |
| EOC | EDGE OF CURB |
| EOD | EDGE OF DECK |
| EOS | EDGE OF SLAB |
| EQ | EQUAL |
| EW | EACH WAY |
| EXIST | EXISTING |
| EXT | EXTERIOR |
| FDN | FOUNDATION |
| FLG | FLANGE |
| FLR | FLOOR |
| FS | FAR SIDE |
| FTG | FOOTING |
| FV | FIELD VERIFY |
| GA | GAUGE |
| GALV | GALVANIZED |
| GB | GRADE BEAM |
| GC | GENERAL CONTRACTOR |
| HORIZ | HORIZONTAL |
| HSA | HEADED STUD ANCHOR |
| HSS | HOLLOW STRUCTURAL SECTION |
| IF | INSIDE FACE |
| INT | INTERIOR |
| JST | JOIST |
| K | KIPS (1000 LBS) |
| LCE | COMPRESSION EMBEDMENT LENGTH |
| LCS | COMPRESSION LAP SPLICE LENGTH |
| LLH | LONG LEG HORIZONTAL |
| LLV | LONG LEG VERTICAL |
| LTE | TENSION EMBEDMENT LENGTH |
| LTS | TENSION LAP SLICE LENGTH |
| LW | LIGHTWEIGHT |
| MFCR | MANUFACTURER |
| MTL | METAL |
| NIC | NOT IN CONTRACT |
| NS | NEAR SIDE |
| NTS | NOT TO SCALE |
| OC | ON CENTER |
| OF | OUTSIDE FACE |
| OPP | OPPOSITE |
| OVS | OVERSIZED |
| P/C | PRECAST |
| PAF | POWDER ACTUATED FASTENER |
| PAR | PARALLEL |
| PEMB | PRE-ENGINEERED METAL BUILDING |
| PEN | PENETRATION |
| PERP | PERPENDICULAR |
| PL | PLATE |
| PLF | POUNDS PER LINEAR FOOT |
| PREFAB | PREFABRICATED |
| PRELIM | PRELIMINARY |
| PSF | POUNDS PER SQUARE FOOT |
| PSI | POUNDS PER SQUARE INCH |
| RC | REINFORCED CONCRETE |
| RE: | REFER TO |
| REINF | REINFORCING |
| REQD | REQUIRED |
| RF | RIGID FRAME |
| SC | SLIP CRITICAL |
| SDS | SELF DRILLING SCREW |
| SIM | SIMILAR |
| SLV | SHORT LEG VERTICAL |
| SOG | SLAB ON GRADE |
| SQ | SQUARE |
| SS | STAINLESS STEEL |
| STD | STANDARD |
| STIR | STIRRUPS |
| STL | STEEL |
| SW | SHEAR WALL |
| SYM | SYMMETRIC |
| T&B | TOP AND BOTTOM |
| T/ | TOP OF |
| TRANS | TRANSVERSE |
| TYP | TYPICAL |
| UNO | UNLESS NOTED OTHERWISE |
| VERT | VERTICAL |
| W/ | WITH |
| W/O | WITHOUT |
| WF | WIDE FLANGE |
| WP | WORK POINT |
| WWR | WELDED WIRE REINFORCEMENT |

**STRUCTURAL DESIGN CRITERIA (2021 IBC AND ASCE 7-16):**

1. BUILDING OCCUPANCY RISK CATEGORY II.

2. LIVE LOADS [UNIFORM (PSF) / POINT LOADS (KIPS)]:
   -- ROOF:.....20 PSF / 300#
   -- GROUND LEVEL SLAB .....100 PSF / 2.0 K

3. ROOF SNOW LOAD:
   -- GROUND SNOW LOAD (Pg):.....0.0 PSF
   -- SNOW EXPOSURE FACTOR (Ce):.....0.9
   -- SNOW LOAD IMPORTANCE FACTOR (Is):.....1.0
   -- THERMAL FACTOR (Ct):.....1.0

4. WIND DESIGN DATA:
   -- BASIC WIND SPEED (3 SEC GUST):.....141 MPH
   -- WIND IMPORTANCE FACTOR (Iw):.....1.0
   -- WIND EXPOSURE:.....C
   -- DIRECTIONALITY FACTOR (Kd) .....0.85
   -- INTERNAL PRESSURE COEFF:.....0.18

5. EARTHQUAKE DESIGN DATA:
   -- SEISMIC IMPORTANCE FACTOR (Ie):.....1.0
   -- MAPPED SPECTRAL RESP ACCEL (Ss / S1):.....0.086 / 0.053
   -- SITE CLASS:.....E
   -- SPECTRAL RESPONSE COEFF (Sds / Sd1):.....0.138 / 0.150
   -- SEISMIC DESIGN CATEGORY:.....C
   -- SEISMIC FORCE RESISTING SYSTEM:.....R=4.0 WOOD SHEAR WALLS
   -- SEISMIC RESPONSE COEFFICIENT.....$C_s$=0.034

6. GUARD RAILS:.....50 PLF, AND/OR 200# CONCENTRATED LOAD APPLIED IN ANY DIRECTION.

**STRUCTURAL GENERAL NOTES:**

1. DESIGN AND CONSTRUCTION SHALL CONFORM TO THE "INTERNATIONAL BUILDING CODE, 2021 EDITION" AS AMENDED BY THE CITY OF METAIRIE, LA. REFER TO THE SPECIAL STRUCTURAL INSPECTION NOTES FOR ADDITIONAL REQUIREMENTS.

2. CONTRACTOR TO VERIFY ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO COMMENCING WORK.

3. IF DISCREPANCIES EXIST BETWEEN STRUCTURAL PLANS, ARCHITECTURAL PLANS, OTHER PLANS, OR SPECIFICATIONS, THE CONTRACTOR OR SUBCONTRACTOR SHALL PROVIDE A WRITTEN REQUEST FOR CLARIFICATION FROM THE ARCHITECT AND/OR ENGINEER PRIOR TO PROCEEDING WITH THE WORK.

4. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO EXECUTE AND DETERMINE FINAL ERECTION PROCEDURES, SEQUENCING AND TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUYING OR TIE DOWNS WHICH MIGHT BE NECESSARY.

5. THE STRUCTURE AND FOUNDATIONS ARE NOT DESIGNED FOR FUTURE EXPANSION.

6. FABRICATORS AND SUPPLIERS SHALL CLEARLY NOTE AND HIGHLIGHT CHANGES MADE IN SHOP DRAWINGS, WHICH DO NOT COMPLY WITH THE CONTRACT DOCUMENTS.

7. COLUMNS, BEAMS, JOISTS, OR TRUSSES SHALL NOT BE FIELD CUT OR TRIMMED FOR ANY REASON WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.

8. HOLES, PIPES, SLEEVES, ETC. NOT SHOWN ON THE DRAWINGS MUST BE REVIEWED BY THE ARCHITECT/ENGINEER BEFORE PLACEMENT THROUGH STRUCTURAL MEMBERS.

9. IF MECHANICAL AND ELECTRICAL EQUIPMENT SIZES, WEIGHTS, OR LOCATIONS DO NOT COINCIDE WITH EQUIPMENT SHOWN ON THE PLANS, COORDINATE ADJUSTMENTS WITH THE ARCHITECT.

10. NO AREA OF THE STRUCTURE SHALL BE LOADED WITH CONSTRUCTION MATERIALS OR EQUIPMENT THAT EXCEEDS FINAL DESIGN CRITERIA.

11. BEAMS, COLUMNS, WALLS AND FOOTING CENTERS SHALL BE CENTERED UNDER SUPPORTING MEMBERS (TYPICAL UNLESS NOTED OTHERWISE).

12. TYPICAL DETAILS ARE SHOWN ON SHEETS DESIGNATED "S0XX". THE INCLUDED TYPICAL DETAILS MAY OR MAY NOT BE CUT / REFERENCED ON PLANS OR SECTIONS, BUT ARE TO BE USED AS APPLICABLE.

**SPECIAL INSPECTIONS:**

1. PROVIDE SPECIAL STRUCTURAL INSPECTIONS AND VERIFICATIONS BY A THIRD PARTY MEETING THE REQUIREMENTS OF CHAPTER 17 OF THE BUILDING CODE AND THE BUILDING OFFICIAL.

2. SPECIAL INSPECTORS SHALL BE QUALIFIED AND FURNISH THEIR REPORTS IN A TIMELY MANNER TO THE CONTRACTOR, BUILDING OFFICIALS, ARCHITECT, AND/OR ENGINEER

3. SHOULD INSPECTOR IDENTIFY ANY DISCREPANCY, THEY SHALL NOTIFY CONTRACTOR FIRST, AND THEN ARCHT/ ENGINEER IMMEDIATELY THEREAFTER IF CORRECTIVE ACTION IS NEEDED.

4. SPECIAL INSPECTIONS AS REQUIRED BY CODE:
   A. CONCRETE: SECTION 1705.3 AND TABLE 1705.3 CONCRETE MATERIAL SAMPLING AND TESTING, REBAR OBSERVATIONS. TAKE SET OF (3) CYLINDERS FOR EVERY 50 C.Y., BUT NOT LESS THAN ONE SET OF SAMPLES PER DAY'S WORK AND PER MIX.

**CONCRETE REINFORCING STEEL:**

1. SUBMIT SHOP DRAWINGS FOR REBAR. ALL REINFORCING BARS SHALL MEET ASTM A615 GRADE 60.

2. ALL MESH SHALL MEET ASTM A-185: LAP A MINIMUM OF 8" OR ONE FULL MESH, WHICHEVER IS GREATER.

3. REINFORCING BAR QUANTITIES SHOWN ARE FOR ESTIMATING PURPOSES ONLY.

4. PROVIDE AN ADDITIONAL ALLOWANCE OF 1% OF THE TOTAL REINFORCING SHOWN ON THE FINAL DRAWINGS TO BE FABRICATED AND ERECTED DURING THE PROGRESS OF THE WORK AT THE DIRECTION OF THE STRUCTURAL ENGINEER. FOR THE ADDITIONAL REINFORCING ALLOWANCE, INCLUDE BOTH THE COST OF THE REINFORCING AND THE LABOR TO PLACE IT.

5. CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE ¾" CLEAR FOR SLABS, 2" CLEAR FOR FORMED SURFACES AND 3" CLEAR FOR FOOTINGS (TYPICAL UNLESS NOTED).

6. CONTRACTOR SHALL VERIFY THAT ALL REINFORCEMENT, SLAB DOWELS, INSERTS, SLEEVES AND EMBEDDED ITEMS ARE PROPERLY LOCATED AND RIGIDLY SECURED PRIOR TO CONCRETE PLACEMENT, "WET STICKING" DOWELS WILL NOT BE ALLOWED.

7. REINFORCEMENT SHALL BE DETAILED IN ACCORDANCE WITH THE LATEST A.C.I. DETAILING MANUAL BY A QUALIFIED AND EXPERIENCED FIRM AND PERSON. PLACE AND SUPPORT REINFORCEMENT WITH ACCESSORIES: MAXIMUM SPACING - 48" CENTERS (PLASTIC-TIPPED LEGS FOR EXPOSED SURFACES). USE 3" SBP SUPPORTS AT ALL FOOTINGS.

8. ALL STRUCTURAL ADHESIVE SHALL BE SIMPSON SET 3G OR HILTI HY-200 R OR EQUIVALENT. ALL STRUCTURAL ADHESIVE SHALL BE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS. SUBSTITUTIONS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL WITH APPROPRIATE ICBO EVALUATION REPORTS.

**CAST IN PLACE CONCRETE:**

1. SUBMIT PROPOSED MIXED DESIGNS OF EACH TYPE FOR REVIEW. REQUIRED MINIMUM CONCRETE COMPRESSIVE STRENGTHS AT 28 DAYS:

   a. SLAB CONCRETE.....4000 PSI

2. ALL CONCRETE MIX DESIGNS SHALL HAVE WATER TO CEMENT RATIOS LESS THAN 0.52 (0.45 FOR MOISTURE SENSITIVE FLOORING), WITH A MAXIMUM 60/40 FINE TO COARSE AGGREGATE RATIO. CONCRETE MIX DESIGNS THAT DO NOT CONFORM TO THE ABOVE STANDARD AND/OR CONTAIN WATER REDUCING ADMIXTURES SHALL BE SUBMITTED WITH APPROPRIATE TEST DATA PER A.C.I.. ALL CONCRETE SHALL BE IN CONFORMANCE WITH THE A.C.I. 301 STANDARD THAT IS REFERENCED IN THE BUILDING CODE AT THE TIME OF PERMITTING THE PROJECT..

3. EXTERIOR CONCRETE (FLOOR SLABS, WALLS, ETC) SHALL HAVE 6.5% (PLUS/MINUS 1.5%) ENTRAINED AIR.

4. CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" (VERIFY WITH ARCHITECT).

5. NO ALUMINUM SHALL BE EMBEDDED IN ANY CONCRETE.

6. NO CALCIUM CHLORIDE SHALL BE USED IN CONCRETE

7. THE DESIGN, CONSTRUCTION, AND SAFETY OF ALL FORMWORK IS THE RESPONSIBILITY OF THE CONTRACTOR

8. ALL CONCRETE IS REINFORCED UNLESS SPECIFICALLY NOTED AS UNREINFORCED. REINFORCE ALL CONCRETE NOT OTHERWISE SHOWN WITH THE SAME REINFORCING AS SIMILAR SECTIONS OR AREAS.

9. CONSTRUCTION JOINTS IN GRADE BEAMS, CONTINUOUS FOOTINGS, AND WALLS THAT DO NOT CHANGE DIRECTION SHALL BE SPACED NO GREATER THAN 60'-0". INTERMEDIATE CONTROL JOINTS SHALL BE SPACED AT 25'-0" MAX FOR WALLS. CONTROL JOINTS IN WALLS SHALL ALSO BE LOCATED 15'-0" FROM CORNERS AND AT CHANGES IN WALL THICKNESS

10. WHERE FRESH CONCRETE IS DEPOSITED AGAINST HARDENED CONCRETE (GREATER THAN 8 HRS OLD), CLEAN EXISTING SURFACE OF LAITANCE AND FOREIGN MATERIAL AND DAMPEN THE EXISTING SURFACE. IF REQUIRED, ROUGHEN EXISTING CONCRETE TO ¼" AMPLITUDE.

11. SLABS ON GRADE SHALL BE AS INDICATED ON 4" OF GRANULAR FILL. PLACE REINF AT MID-DEPTH OF SLAB THICKNESS. AT INTERIOR SLABS, A 10 MIL VAPOR BARRIER SHALL BE PLACED BETWEEN THE CONCRETE AND GRANULAR BASE AND CARE SHOULD BE TAKEN DURING CURING TO PREVENT SLAB CURLING. THIS NOTE SHALL BE TYPICAL UNLESS NOTED OTHERWISE

12. SAW CUT JOINTS IN SLABS ARE NOT ALLOWED. SLAB ON GRADE IS STRUCTURAL SLAB. KEYED CONSTRUCTION JOINTS, IF USED, SHALL BE LOCATED OVER TIMBER PILES.

13. REINFORCEMENT SHALL BE CONTINUOUS AND LAPPED 53 BAR DIAMETERS (2'-6" MIN.) EXCEPT AS NOTED AND PROVIDE CORNER BARS OF SAME SIZE AND SPACING.

14. MINIMUM CONCRETE WALL REINFORCING (WALL 10" OR GREATER) SHALL BE #5 AT 10" CENTERS EACH WAY, EACH FACE

15. MINIMUM REINFORCING AROUND CONCRETE WALL OPENINGS 2'-0" OR GREATER (TYPICAL UNLESS NOTED): 2 - #5, EXTEND REINF 2'-0" PAST OPENINGS. PROVIDE 2-#5 x 4'-0" DIAGONAL BARS AT CORNERS

16. CONTRACTOR SHALL COORDINATE ALL CURING COMPOUNDS WITH FLOOR FINISH REQUIREMENTS TO ENSURE COMPATIBILITY.

17. FOUNDATION CONTRACTOR TO ENSURE PROPER ANCHOR ROD PROJECTION AND THAT ANCHOR RODS ARE HELD SECURELY IN POSITION PRIOR TO CONCRETE PLACEMENT. INSTALL ANCHOR RODS TO THE STRICT DIMENSIONAL TOLERANCES PER AISC REQUIREMENTS. STRUCTURAL STEEL COLUMN ANCHOR RODS SHALL BE SET WITH A RIGID TEMPLATE.

18. AGGREGATES AND/OR CONCRETE MIXES SHALL BE CERTIFIED TO BE FREE OF AND ELIMINATE DAMAGE OF CONCRETE DUE TO ALKALI-SILICA REACTION OR ALKALI-AGGREGATE REACTIONS WHEN EXPOSED TO SOILS AND/OR AN EXTERIOR ENVIRONMENT.

19. ALL CONCRETE MIX DESIGNS EXPOSED TO AN EXTERIOR ENVIRONMENT SHALL MEET THE REQUIREMENTS OF THE KANSAS CITY METRO MATERIALS BOARD (KCMMB) OR THE JOHNSON COUNTY CONCRETE BOARD (JCCB).

**WOOD:**

1. FRAMING MATERIAL: ALL WOOD FRAMING SHALL MEET OR EXCEED THE FOLLOWING:
   A. NOMINAL STRUCTURAL LUMBER: DOUG. FIR -- NO.2 OR BETTER, KILN-DRIED, MIN Fb = 900 PSI, MIN E = 1400 KSI.
   B. EXPOSED TO WEATHER: NOMINAL STRUCT LUMBER -- PRESS TREATED NO.2 OR BETTER, MIN Fb = 1000 PSI, MIN E = 1300 KSI
   C. MICROLLAM LVL (LAMINATED VENEER LUMBER) BEAMS SHALL MEET TRUS JOIST SPECIFICATIONS: MINIMUM Fb = 2600 PSI AND MINIMUM E = 1900 KSI.
   D. TIMBERSTRAND LSL (LAMINATED STRAND LUMBER) BEAMS SHALL MEET TRUS JOIST SPECIFICATIONS: MINIMUM Fb = 2600 PSI AND MINIMUM E = 1700 KSI.

2. ALL LUMBER IN DIRECT CONTACT WITH CONCRETE OR MASONRY, SUCH AS SILL PLATES AND BEARING PLATES BELOW BEAMS POCKETED IN CMU, SHALL BE TREATED LUMBER.

3. WOOD SHEATHING:
A. ROOF SHEATHING SHALL BE 23/32" OR 3/4" WITH AN APA SPAN RATING OF 48/24, EXPOSURE 1, MINIMUM 2 SPAN, FASTEN WITH 10d COMMON NAILS AT 6" CENTERS AT ALL PANEL EDGES AND 12" CENTERS MAXIMUM AT INTERMEDIATE FRAMING MEMBERS (IN THE FIELD). USE PLYCLIPS AT MIDSPAN.
B. WALL SHEATHING FOR EXTERIOR WALLS SHALL BE 7/16" WITH AN APA SPAN RATING OF 24/16, UNLESS NOTED OTHERWISE. ALL PANEL EDGES SHALL BE BACKED WITH 2 INCH NOMINAL OR WIDER FRAMING. FASTEN WITH 8d COMMON NAILS AT 6" OC MAXIMUM AT ALL TOP PLATES, BLOCKING, BOUNDARIES AND 10" OC MAXIMUM IN THE FIELD.
C. ROOF SHEATHING SHALL BE PLYWOOD ONLY. WALL SHEATHING MAY BE EITHER PLYWOOD OR OSB SHEATHING.

4. ALL WOOD SHEATHING TO BE STAGGERED 4'x8' SHEETS. ORIENTED PERPENDICULAR TO SUPPORTING MEMBERS.

5. PROVIDE 1/8" GAP AT ALL SHEATHING PANEL EDGES AND END JOINTS UNLESS OTHERWISE SPECIFIED BY THE MANUFACTURER. DUE TO CONSTRUCTION CONDITIONS, TEMPORARY EXPANSION JOINTS MAY BE REQUIRED IN FLOOR/ROOF SHEATHING.

6. ALL HEADERS IN EXTERIOR OR INTERIOR BEARING WALLS SPANNING MORE THAN 3'-8" SHALL BE SUPPORTED ON DOUBLE STUDS UNLESS NOTED.

7. MINIMUM NAILING SHALL CONFORM TO IBC TABLE 2304.10.1. USE COMMON NAILS EXCEPT WHERE NOTED. ALL FASTENERS (BOLTS, SCREWS, NAILS, ETC) IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT DIP GALVANIZED.

8. LIGHT GAUGE WOOD FRAMING CONNECTORS AS NOTED ON THE PLANS FOR WOOD JOISTS, COLUMNS, BEAMS AND TRUSSES SHALL BE "STRONG – TIE" CONNECTORS BY THE SIMPSON CO. OR REVIEWED EQUIVALENT. CONNECTORS IN DIRECT CONTACT WITH PRESSURE TREATED LUMBER SHALL HAVE "ZMAX" G185 HOT DIP GALVANIZED COATING OR REVIEWED EQUIVALENT.

9. CONNECTORS IN DIRECT CONTACT WITH PRESSURE TREATED LUMBER SHALL HAVE "ZMAX" G185 HOT DIP GALVANIZED COATING OR REVIEWED EQUIVALENT.

10. STAINLESS STEEL FASTENERS, ANCHOR BOLTS, LIGHT GAUGE CONNECTORS, ETC. MAY BE SUBSTITUTED FOR HOT DIP GALVANIZED MATERIALS AT THE CONTRACTORS OPTION.

11. PROVIDE UPLIFT CONNECTORS AT EACH ROOF TRUSS TO WALL CONNECTIONS PER IBC.

12. STUDS SHALL BE CONTINUOUS BETWEEN EACH DIAPHRAGM LEVEL. EXTERIOR WALL STUDS AT GROUND FLOOR SHALL BE BRACED BY KICKERS AND/OR STRUCTURAL CEILING FRAMING.

13. TYPICAL SILL ANCHOR RODS SHALL BE GALVANIZED 1/2" DIAMETER EMBEDDED 7" MIN INTO CONCRETE, SPACED NO FURTHER THAN 3'-0" OC, AND SHALL OCCUR WITHIN 12" OF THE ENDS OF A SILL PLATE. SPACE ANCHOR RODS MORE CLOSELY TOGETHER AT SHEAR WALLS AS SHOWN ON THE DRAWINGS. EACH SILL PLATE SHALL HAVE A MINIMUM OF 2 ANCHOR RODS. PROVIDE 2" SQUARE PLATE WASHERS AND NUTS.

14. SUBSTITUTIONS OF SPECIFIED WOOD MEMBERS SHALL NOT BE MADE WITHOUT REVIEW OF THE ARCHITECT/ENGINEER.

15. STAINLESS STEEL FASTENERS, ANCHOR BOLTS, LIGHT GAUGE CONNECTORS, ETC. MAY BE SUBSTITUTED FOR HOT DIP GALVANIZED MATERIALS AT THE CONTRACTORS OPTION.

STAND STRUCTURAL ENGINEERING INC
8234 Robinson Street
Overland Park, KS 66204
913-214-2169
stand-sei.com

CERTIFICATE OF AUTHORIZATION:
LA: 11650207

STATE OF LOUISIANA
MATTHEW JOHN ENSTROM
License No. 44653
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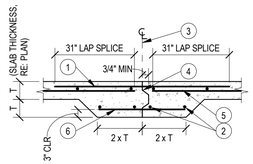
Revisions:

Project No.
23352

STRUCTURAL GENERAL NOTES

S1

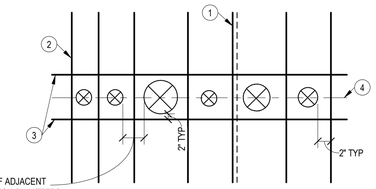



**DETAIL NOTES:**

1. #5 BAR @ 12" OC
2. (2) #5 CONT EA SIDE OF JOINT
3. KEYED CONSTRUCTION JOINT
4. FORMED KEY (NO METAL KEY)
5. SLAB REINF, RE: PLAN
6. 3/4" x 16" SMOOTH DWLS @ 12" OC

**NOTE:**
LOCATE JOINT OVER TIMBER PILES

## 7 SLAB ON GRADE CONSTRUCTION JOINT
3/4" = 1'-0"

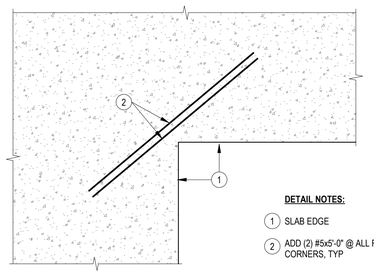



**DETAIL NOTES:**

1. ARRANGE PRIMARY SLAB BARS TO PASS BY PENETRATIONS. DO NOT TERMINATE SLAB BARS AT PENETRATIONS
2. (1) #5 x 6'-0" MID-DEPTH @ ENDS & IN BTWN ALL PENETRATIONS
3. (1) #5 x 5'-0" MID-DEPTH EA SIDE
4. ALIGN PENETRATIONS WHERE POSSIBLE

**NOTES:**
DETAIL DOES NOT APPLY FOR PENETRATIONS LARGER THAN 12" IN DIAMETER. SEE TYP SLAB OPENING DETAIL FOR SUCH PENETRATIONS

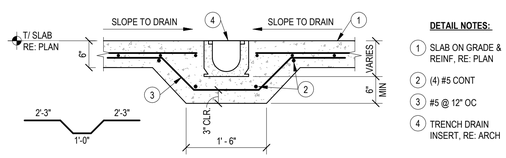
## 6 REINF @ SLAB PENETRATIONS
3/4" = 1'-0"



**DETAIL NOTES:**

1. SLAB EDGE
2. ADD (2) #5x5'-0" @ ALL RE-ENTRANT CORNERS, TYP

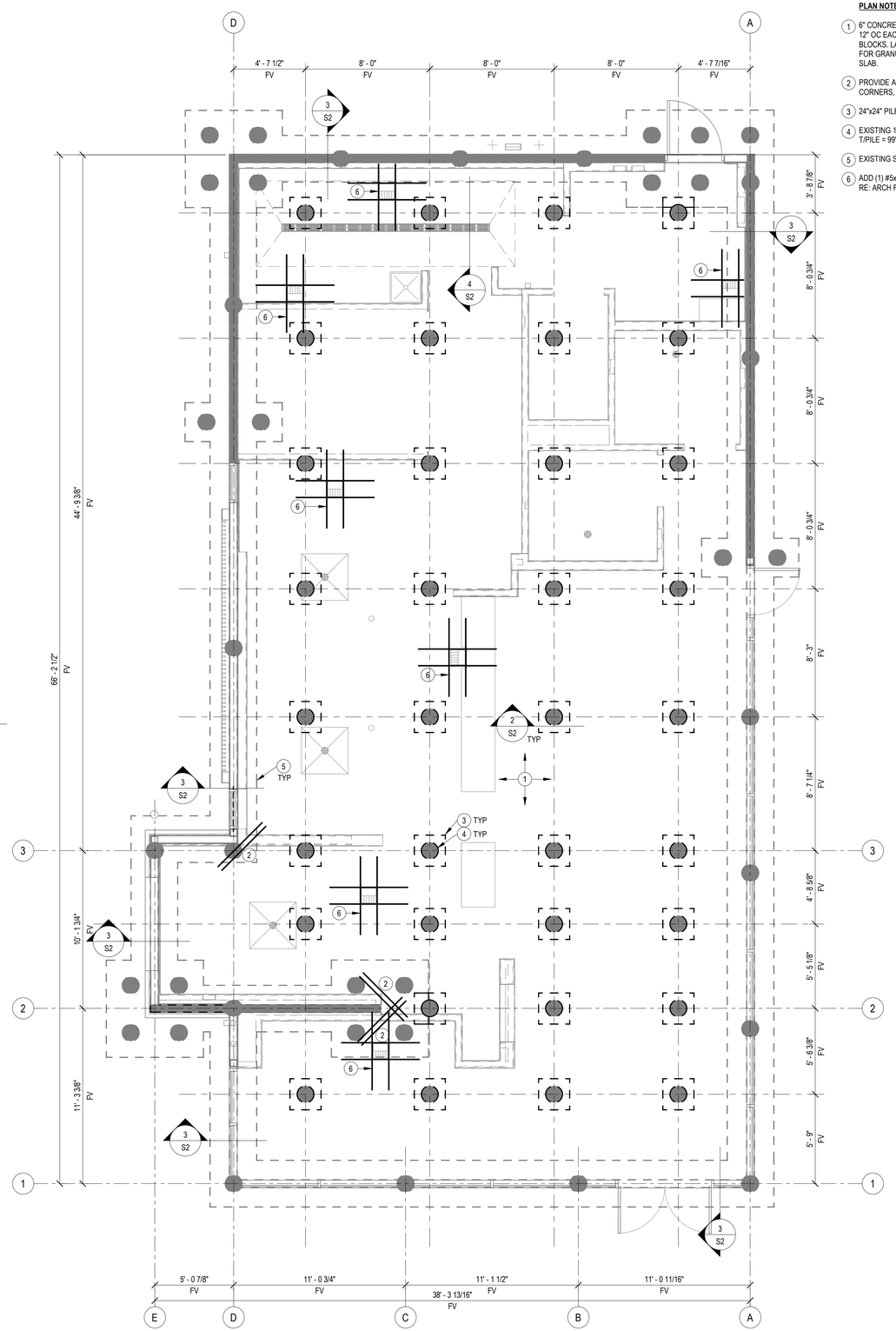
## 5 RE-ENTRANT CORNER REINF - TI
3/4" = 1'-0"




**DETAIL NOTES:**

1. SLAB ON GRADE & REINF, RE: PLAN
2. (4) #5 CONT
3. #5 @ 12" OC
4. TRENCH DRAIN INSERT, RE: ARCH

## 4 FOUNDATION SECTION @ TRENCH DRAIN
3/4" = 1'-0"




## 1 SLAB PLAN
1/4" = 1'-0"

**PLAN NOTES:**

1. 6" CONCRETE STRUCTURAL SLAB. REINFORCE WITH #5 BARS @ 12" OC EACH WAY @ MID-DEPTH OF SLAB ON CHAIRS OR CONC BLOCKS. LAP SPLICE BARS 27" MINIMUM. RE: GENERAL NOTES FOR GRANULAR FILL AND VAPOR BARRIER. DO NOT SAW CUT SLAB.
2. PROVIDE ADDITIONAL REINFORCEMENT AT RENENTRANT CORNERS, RE: TYPICAL DETAIL
3. 24"x24" PILE CAP, RE: SECTION
4. EXISTING 13" DIAMETER TIMBER PILE T/PILE = 99'-6", FV
5. EXISTING SPREAD FOOTING, FV
6. ADD (1) #5x5'-0" EA EDGE OF FLOOR SINKS, RE: ARCH FOR LOCATIONS

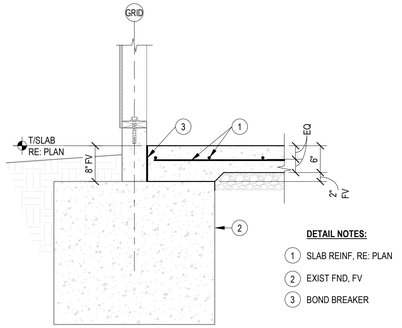
**SHEET NOTES:**

A. REFERENCE SHEET S1 FOR STRUCTURAL GENERAL NOTES. REVIEW NOTES FOR APPLICABILITY.

B. SEE ARCHITECTURAL 'SLAB WORK PLAN' FOR CURBS, DRAINS, SINKS, AND DIMENSIONS NOT SHOWN.

C. T/SLAB ELEVATION = 100'-0", UNO.

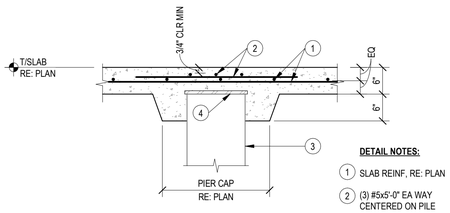
D. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS SHOWN PRIOR TO STARTING WORK




**DETAIL NOTES:**

1. SLAB REINF, RE: PLAN
2. EXIST FND, FV
3. BOND BREAKER

## 3 SECTION @ EXTERIOR FTG
3/4" = 1'-0"




**DETAIL NOTES:**

1. SLAB REINF, RE: PLAN
2. (3) #5x5'-0" EA WAY CENTERED ON PILE
3. EXIST TIMBER PILE
4. 3/4x15x15 PL

## 2 TYPICAL PILE CAP
3/4" = 1'-0"

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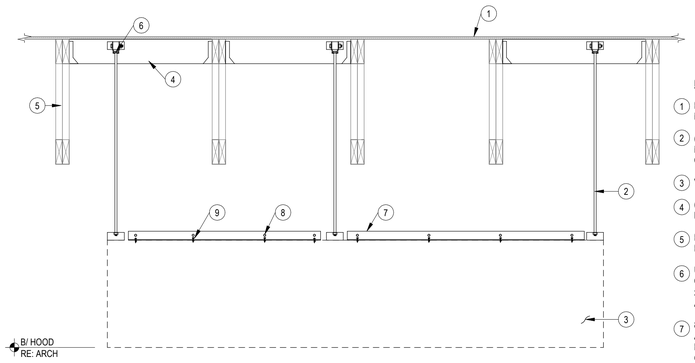
SLAB PLAN

S2



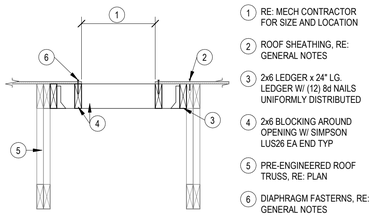

**LONG DIMENSION OF HOOD PERPENDICULAR TO JOISTS**

**DETAIL NOTES:**

1. ROOF SHEATHING, RE: GENERAL NOTES
2. (6) 1/2" Ø THREADED ROD WITH LOCK NUTS EA END. LOCATE ONE @ EA CORNER & CENTER OF EA LONG SIDE
3. VENT HOOK, RE: MECH
4. (2) 2x6 BLOCKING PANEL W/ SIMPSON LUS26-2 EA END TYP
5. PRE-ENGINEERED ROOF TRUSS, RE: PLAN
6. UNISTRUT P2682 W/ P2677 HANGER CLEVIS W/ (2) 7/16"Ø x2 1/2" LAG SCREWS. TYP INSTALL ABOVE 1/2 OF BLOCKING HEIGHT
7. 8"x3"x16 GA CONT LENGTH OF HOOD ATTACHED TO WALL ON BACKSIDE OF HOOD. NOTCH FOR DUCT @ CENTER OF HOOD
8. #8x3" WOOD SCREW @ 16" OC INTO WALL STUDS PROVIDE BLOCKING IN WALL AS REQD
9. #10 TEK SCREWS @ 16" OC

## 5 HOOD SUPPORT SECTION

3/4" = 1'-0"

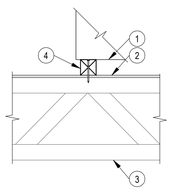


**DETAIL NOTES:**

1. RE: MECH CONTRACTOR FOR SIZE AND LOCATION
2. ROOF SHEATHING, RE: GENERAL NOTES
3. 2x6 LEDGER x 24" LG. LEDGER W/ (12) 8d NAILS UNIFORMLY DISTRIBUTED
4. 2x6 BLOCKING AROUND OPENING W/ SIMPSON LUS26 EA END TYP
5. PRE-ENGINEERED ROOF TRUSS, RE: PLAN
6. DIAPHRAGM FASTERNS, RE: GENERAL NOTES

## 4 ROOF SECTION @ OPENING

3/4" = 1'-0"

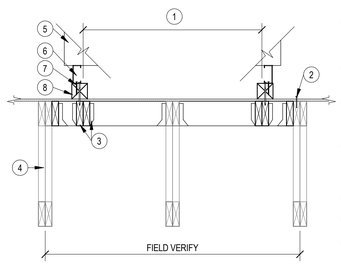


**DETAIL NOTES:**

1. MECHANICAL UNIT. RE: MEP
2. ROOF SHEATHING. RE: GENERAL NOTES
3. PRE-ENGINEERED WOOD TRUSSES. RE: TRUSS MANUFACTURER
4. CONT TREATED 4x4. EXTEND 4" PAST ADJACENT TRUSS. FASTEN TO EA TRUSS W/ 1/4" Ø x6" SIMPSON SDS SCREW

## 3 ROOF SETION @ EQUIPMENT WITHOUT CURB

3/4" = 1'-0"

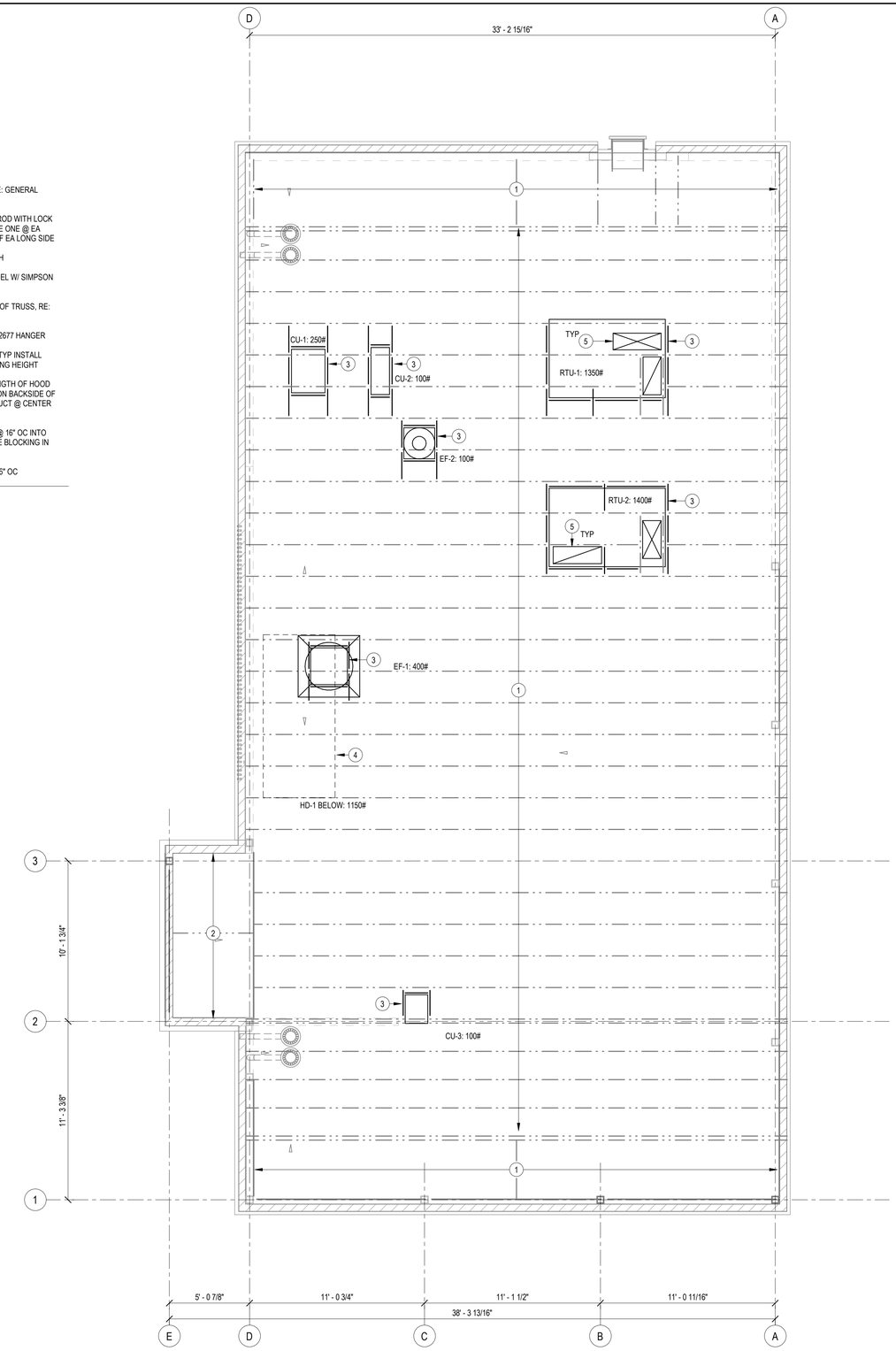



**DETAIL NOTES:**

1. IF DECK OPENINGS ARE REQUIRED FOR UNIT, COORD. PER DETAIL 4/S2
2. ROOF SHEATHING. RE: GENERAL NOTES
3. (2) 2x6 BLOCKING AROUND OPENING W/ SIMPSON LUS26-2 EA END TYP
4. PRE-ENGINEERED ROOF TRUSS, RE: PLAN
5. MECHANICAL UNIT, RE: MEP
6. CURB PER EQUIPMENT MFCR
7. #8x3" WOOD SCREW @ 12" OC
8. CONT TREATED 4x4. EXTEND 4" PAST ADJACENT TRUSS. FASTEN TO EA TRUSS W/ 1/4" 0x6" SIMPSON SDS SCREW

## 2 ROOF SECTION @ CURB

3/4" = 1'-0"




## 1 ROOF FRAMING PLAN

1/4" = 1'-0"

NORTH

**SHEET NOTES:**

A. REFERENCE SHEET S1 FOR STRUCTRURAL GENERAL NOTES. REVIEW NOTES & DETAILS FOR APPLICABILITY.

B. SEE ARCHITECTURAL DRAWING FOR DETAILS & DIMENSIONS NOT SHOWN.

C. REFER TO THIS SHEET FOR TYPICAL FRAMING DETAILS.

D. VERIFY ALL MECHANICAL EQUIPMENT LOCATIONS WITH MEP BEFORE PLACING UNITS.

**PLAN NOTES:**

1. EXISTING PRE-ENGINEERED ROOF TRUSSES @ 2'-0" SPACING, FV LOCATIONS
2. EXISTING ROOF JOISTS
3. PROVIDE 2x FRAMING BETWEEN EXISTING TRUSSES WHERE CURB IS PROVIDED (RE: 2/S3 ) PROVIDE TREATED 4x4 BETWEEN TRUSSES AT SMALL UNITS WHERE NO CURB IS PRESENT (RE: 3/S3)
4. HOOD BELOW, RE: 5/S3 FOR HANGER SUPPORTS
5. FRAME OUT OPENINGS IN EXIST SHEATHING, RE: 4/S3

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ROOF FRAMING PLAN

S3

SECTION 15732 - PACKAGED ROOFTOP AIR-CONDITIONING UNITS
PART 1 - GENERAL
1.1 SECTION REQUIREMENTS
A. Submittals: Product Data and Shop Drawings.
B. Comply with ASHRAE 15.
C. EER: Equal to or greater than prescribed by the energy code adopted by the Authority Having Jurisdiction.
D. Warranties: Submit a written warranty, signed by the manufacturer, agreeing to the repair or replacement of components that fail within 5 years of Substantial Completion.
PART 2 - PRODUCTS
2.1 PACKAGED UNITS, 5 TO 20 TONS
A. Factory assembled and tested, consisting of compressors, condensers, evaporator coils, condenser and evaporator fans, refrigeration and temperature controls, filters, and dampers.
1. Refer to Rooftop Heating/Cooling Unit Schedule on drawing M600 for capacities, and manufacturers.
2. Evaporator Fans: Belt or direct driven, forward curved centrifugal.
3. Exhaust/Relief Fans: Direct drive, forward curved centrifugal or propeller.
4. Condenser Fans: Direct drive propeller.
5. Refrigerant Coils: Aluminum fins and copper coil.
6. Compressors: Serviceable hermetic or fully hermetic, with safety controls, hot gas bypass, and timed off controls.
7. Heat Exchangers: Gas fired, with gas controls, electronic ignition, high limit cutout, and forced draft 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.
PART 3 - EXECUTION
3.1 INSTALLATION
A. Install units level and plumb and firmly anchored.
B. Connect gas piping to burner with pipe same size as gas train inlet, and provide union with sufficient clearance for burner removal and service.
C. Install ducts to termination in roof mounting frames. Terminate ducts through roof structure.
D. Connect units to wiring systems and to ground.
END OF SECTION 15732

SECTION 15810 - DUCTS AND ACCESSORIES
PART 1 - GENERAL
1.1 SECTION REQUIREMENTS
A. Submittals: Product Data for fire and smoke dampers.
B. Comply with NFPA 90A for systems serving spaces more than 25,000 cu. ft. in volume or building Types II, IV, and V construction more than 3 stories in height.
C. Comply with NFPA 90B for systems serving spaces in 1 or 2 family dwellings or serving spaces less than 25,000 cu. ft..
D. Comply with NFPA 96, "Ventilation Control and Fire Protection of Commercial Cooking Operations," for kitchen hood ducts.
E. Comply with UL 181 and UL 181A for ducts and closures.
F. Testing, Adjusting, and Balancing Agency Qualifications: AABC certified (to be furnished by Tenant).
PART 2 - PRODUCTS
2.1 DUCTS
A. Spiral Duct: Spiral Lock Seam, without insulation, G90 galvanized finish, ASTM A-653/924
1. Basis of Design Manufacturers: Lindab SPIROsafe, alternates to the basis of design must be submitted for review.
2. Fittings: Factory produced standing seam construction with internal sealing. Fittings with a major axis of 36" or smaller shall be 20 gauge. Fittings with a major axis of 37"-48" shall be 18 gauge.
B. Galvanized Steel Sheet: Forming steel, ASTM A 653/653M, G90 coating designation.
C. Duct Liner: ASTM C 1071, Type II, with an airstream surface coated with a temperature resistant coating. Thickness: 1-1/2 inch. R-value : 8.
1. Adhesive: ASTM C 916, Type I.
2. Mechanical Fasteners: Galvanized steel pin, length as required to penetrate liner plus a 1/8 inch projection maximum into the airstream.
D. Joint and Seam Tape: Comply with UL 181A.
E. Joint and Seam Sealant: Comply with UL 181A.
F. Rectangular Metal Duct Fabrication: Comply with SMACNA's "HVAC Duct Construction Standard" for metal thickness, reinforcing types and intervals, tie rod applications, and joint types and intervals.
2.2 ACCESSORIES
A. Volume-Control Dampers: Factory fabricated volume control dampers, complete with required hardware and accessories. Single blade and multiple opposed blade, standard leakage rating, and suitable for horizontal or vertical applications.
B. Fire Dampers: Factory-fabricated fire dampers, complete with required hardware and accessories. UL labeled according to UL 555, "Fire Dampers".
C. Flexible Connectors: Flame retardant or noncombustible fabrics, coatings, and adhesives complying with UL 181, Class 1.
D. Flexible Ducts: Factory fabricated, insulated, round duct, with an outer jacket enclosing 2 inch thick, glass fiber insulation, R-value: 6.0, around a continuous inner liner.
PART 3 - EXECUTION
3.1 INSTALLATION
A. Duct System Pressure Class: Construct and install each duct system with 2 inch positive and negative duct pressure classifications.
B. Conceal ducts from view in finished and occupied spaces. Except where noted as exposed.
C. Avoid passing through electrical equipment spaces and enclosures.
D. Support and connect metal ducts according to SMACNA's "HVAC Duct Construction Standard".
E. Install duct accessories according to applicable portions of details of construction as shown in SMACNA standards.
F. Install liner and/or insulation on ductwork per the material schedule on sheet M010.
G. Install volume control dampers in lined duct with methods to avoid damage to liner and to avoid erosion of duct liner.
H. Install fire and smoke dampers according to manufacturer's UL approved written instructions.
I. Install fusible links in fire dampers.
J. Provide saddle taps at tees for exposed ductwork.
3.2 TESTING, ADJUSTING, AND BALANCING
A. The Tenant will supply an independent balance agent to 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 staffed available during the balancing to correct issues noted by the balance agent.
C. The balance agent is to balance airflow within distribution systems, including submains, branches, and terminals to indicated quantities +/- 10%. The hood exhaust system shall be balanced to a tolerance of -0+10% and the make-up air system to a tolerance of -10+0%.
D. The balance agent is to supply a copy of the balance report to the Tenant, engineer and general contractor for review.
END OF SECTION 15810

SECTION 15855 - DIFFUSERS, REGISTERS, AND GRILLES
PART 1 - GENERAL
1.1 SECTION REQUIREMENTS
A. Submittals: None.
PART 2 - PRODUCTS
2.1 OUTLETS AND INLETS
A. All air terminal devices:
1. Refer to Grills, Registers, and Diffusers Schedule for equipment schedule
2. Manufacturer: As scheduled (NO SUBSTITUTIONS)
3. Material: As scheduled.
4. Finish: As scheduled.
5. Mounting: As scheduled.
PART 3 - EXECUTION
3.1 INSTALLATION
A. Coordinate location and installation with duct installation and installation of other ceiling and wall mounted items.
B. Locate ceiling diffusers, registers, and grilles, as indicated on the architectural "reflected ceiling plans." Unless otherwise indicated, locate units in center of acoustical ceiling panels.
END OF SECTION 15855

**CALIFORNIA GREEN BUILDING STANDARDS CODE**
5.410 BUILDING MAINTENANCE AND OPERTION
5.410.4 TESTING AND ADJUSTING:
Testing and adjusting of systems installed shall be required for buildings less than 10,000 square feet or new systems to serve and addition or slteration subject to Section 303.1.
5.410.4.2 SYSTEMS:
Develop a written plan of procedures for testing and adjusting systems. Systems to be included for testing and adjusting shall include at a minimum, as applicable to the project:
1. HVAC systems and controls
2. Indoor and outdoor lighting and controls
3. Water heating systems
4. Renewable energy systems
5. Landscape irrigation systems
6. Water reuse systems
5.410.4.3 PROCEDURES:
Perform testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system.
5.410.4.3.1 HVAC BALANCING:
In addition to testing and adjusting, before a new space-conditioning system serving a building or space is operated for normal use, the system shall be balanced in accordance with the procedures defined by the Testing Adjusting and Balancing Bureau National Standards; the National Environmental Balancing Bureau Procedural Standards; Associated Air Balance Council National Standards or as approved by the enforcing agency.
5.410.4.4 REPORTING:
After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services.
5.410.4.5 OPERATION AND MAINTENANCE MANUAL:
Provide the building owner or representative with detailed operating and maintenance instruction and copies of guarantees/warranties for each system. O&M instruction shall be consistene with OSHA requirements in CCR, Title 8, Section 5142, and other related regulations.
5.410.4.5.1 INSPECTIONS AND REPORTS:
Include a copy of all inspection verifications and reports require by the enforcing agency.

5.504 POLLUTANT CONTROL
5.504.1 TEMPORARY VENTILATION:
The permanent HVAC system shall only be used during construction if necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30% based on ASHRAE 52.1-1992. Replace air filters immediately prior to occupancy, or, if the building is occupied alteration, at the conclusion of construction.
5.504.3 COVERING OF DUCT OPENINGS AOF MECHANICAL EQUIPMENT DURING CONSTRUCTION:
At the time of rough installation and during storage on the construction site until final startup of the heating, cooling, and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal, or other methods acceptable to the enforcing agency to reduce the amount of dust, water, and debris which may collect in the system.

5.508 OUTDOOR AIR QUALITY
5.508.1 OZONE DEPLETION AND GREENHOUSE GAS REDUCTIONS:
Installations of HVAC, refirgeration, and fire suppression equipment shall copmly with Section 5.508.1.1 and 5.508.1.2.
5.508.1.1 CHOLOROFLUOROCARBONS (CFCS):
Install HVAC, refrigeration and fire suppression equipment that do no contain CFCS.
5.508.1.2 HALONS:
Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.

# HVAC GENERAL NOTES

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

# HVAC MATERIAL SCHEDULE

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

# HVAC ABBREVIATIONS

| | |
|---|---|
| (E) | EXISTING |
| ABV | ABOVE |
| ADA | AMERICANS WITH DISABILITIES ACT |
| AFF | ABOVE FINISHED FLOOR |
| AFG | ABOVE FINISHED GRADE |
| AHJ | AUTHORITY HAVING JURISDICTION |
| BFF | BELOW FINISHED FLOOR |
| BFG | BELOW FINISHED GRADE |
| BOH | BACK OF HOUSE |
| CLG | CEILING |
| CTE | CONNECT TO EXISTING |
| DN | DOWN |
| EXG | EXISTING |
| FLR | FLOOR |
| FOH | FRONT OF HOUSE |
| GYP | GYPSUM BOARD |
| NTS | NOT TO SCALE |
| O/H | OVERHEAD |
| OBD | OPPOSED BLADE DAMPER |
| TYP | TYPICAL |
| U/G | UNDERGROUND |
| UNO | UNLESS NOTED OTHERWISE |
| VFD | VARIABLE FREQUENCY DRIVE |
| VSC | VARIABLE SPEED CONTROLLER |
| W/ | WITH |
| WIC | WALK-IN COOLER |
| C02AS | TENANT'S CO2 ALARM SUPPLIER |
| GC | GENERAL CONTRACTOR |
| HES | TENANT'S HVAC EQUIPMENT SUPPLIER |
| HS | TENANT'S HOOD SUPPLIER |
| KES | TENANT'S KITCHEN EQUIPMENT SUPPLIER |
| LL | LANDLORD |
| SPS | TENANT'S SODA POP SUPPLIER |
| TAB | TENANT'S TEST AND BALANCE VENDOR |
| TCC | TENANT'S CABLING CONTRACTOR |
| TDC | TENANT'S DUCT CLEANER |
| TEMS | TENANT'S ENERGY MANAGEMENT SYSTEM SUPPLIER |
| TLS | TENANT'S LIGHT/LAMP SUPPLIER |
| TMB | TENANT'S MENU BOARD SUPPLIER |
| TMS | TENANT'S MILLWORK SUPPLIER |
| TP | TENANT'S PHONE SUPPLIER |
| TPS | TENANT'S PANELBOARD SUPPLIER |
| TRS | TENANT'S RAILING SUPPLIER |
| TSV | TENANT'S SIGN VENDOR |
| TUV | TENANT'S UV SNAITIZER SUPPLIER |
| WCS | TENANT'S WALK-IN COOLER SUPPLIER |
| WHS | TENANT'S WATER HEATER SUPPLIER |

# HVAC SYMBOLS

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
GRILL, REGISTER, OR DIFFUSER TAG: TAG, NECK SIZE, AIRFLOW [CFM]

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Issue Record:
01/09/2024 PERMIT ISSUE

Revisions:

Drawn: IJD
Checked: AJD

Project No.
231074

Contents:
HVAC SPECIFICATIONS

M010

## HVAC PLAN NOTES

1 SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING MOUNTED EQUIPMENT LOCATION. TYPICAL.

2 PAINT DUCTWORK VISIBLE THROUGH DINING ROOM SUPPLY REGISTERS BLACK. TYPICAL.

3 PENETRATIONS THROUGH SHEAR WALL SHALL BE LIMITED TO 10" DIAMETER (OR A GROUP OF PENETRATIONS ALL CONTAINED WITHIN 10" DIAMETER). IF LARGER PENETRATIONS OR GROUPS OF PENETRATIONS ARE REQUIRED COORDINATE WITH STRUCTURAL ENGINEER FOR APPROPRIATE BRACING. SEE STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATION.

4 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.

5 28/16 DUCT UP FOR TRANSITION TO RTU-2 RETURN CONNECTION IN ROOF CURB. RTU-2 SHALL HAVE AN INTEGRAL SMOKE DETECTOR MOUNTED IN THE RETURN AIR STREAM. INTERLOCK SMOKE DETECTOR TO RTU-2 OPERATION.

6 24/18 DUCT UP FROM BUILDING SUPPLY THROUGH ROOF. TRANSITION TO RTU-1 SUPPLY CONNECTION IN ROOF CURB.

7 28/18 DUCT UP FROM BUILDING SUPPLY TO RTU-2 SUPPLY CONNECTION. TRANSITION IN ROOF CURB.

8 14/14 DUCT UP THROUGH ROOF. TRANSITION TO MAU-1 SUPPLY CONNECTION IN ROOF CURB.

9 24/10 DUCT UP FROM HOOD THROUGH ROOF TO EF-1 COMPLIANT WITH NFPA 96. PROVIDE RADIUSED ELBOWS WITH AN INSIDE RADIUS OF 0.5W AT ELBOWS IN GREASE DUCT.

10 8/6 DUCT UP THROUGH ROOF TO EF-2.

11 28/6 DUCT DOWN TO MAKEUP AIR PSP DUCT CONNECTION. TRANSITION TO SUPPLY PLENUM OPENING SIZE. TYPICAL FOR 3.

12 8" DIA. DUCT DOWN TO AC PSP DUCT CONNECTION. TRANSITION TO SUPPLY PLENUM OPENING SIZE. TYPICAL. CAP UNUSED DUCT CONNECTIONS.

13 INSTALL SINGLE-GANG VERTICAL J-BOX FOR GRIDPOINT THERMOSTATS FURNISHED BY TEMS FOR RTU-1 AND RTU-2 AT THIS LOCATION AT 48" AFF. COORDINATE WITH ELECTRICAL SWITCHING IN THIS AREA. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.

2 14 INSTALL GRIDPOINT ZONE SENSOR MODULE FURNISHED BY TEMS FOR RTU-1 AT THIS LOCATION 72" AFF DIRECTLY TO WALL (NO JUNCTION BOX). COORDINATE LOCATION WITH EQUIPMENT. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.

15 INSTALL GRIDPOINT ZONE SENSOR MODULE FURNISHED BY TEMS FOR RTU-2 AT THIS LOCATION 66" AFF DIRECTLY TO WALL (NO JUNCTION BOX). COORDINATE LOCATION WITH EQUIPMENT. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.

16 INSTALL GRIDPOINT SUPPLY PROBE FURNISHED BY TEMS FOR RTU-1 IN THE SUPPLY DUCTWORK UPSTREAM FROM THE FIRST BRANCH CONNECTION. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.

17 INSTALL GRIDPOINT SUPPLY PROBE FURNISHED BY TEMS FOR RTU-2 IN THE SUPPLY DUCTWORK UPSTREAM FROM THE FIRST BRANCH CONNECTION. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.

2 18 INSTALL REMOTE TEMPERATURE SENSOR FOR HOOD HD-1 AT THIS LOCATION 72" AFF. COORDINATE LOCATION WITH EQUIPMENT. PROVIDE (2) #18 G. THERMISTOR CABLE FROM TEMPERATURE SENSOR TO HOOD CONTROL PANEL.

19 INSTALL KITCHEN HOOD, HD-1. SUPPORT HOOD PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL HOOD ACCORDING TO THE REQUIREMENTS OF ITS LISTING, IN COMPLIANCE WITH NFPA 96, THE BUILDING CODE, AND AUTHORITIES HAVING JURISDICTION. HOOD SHALL HAVE AN INTEGRAL DUCT COLLAR TEMPERATURE SENSOR TO AUTOMATICALLY ENERGIZE THE EXHAUST AND MAKEUP AIR FANS IF COOKING TEMPERATURES ARE DETECTED. EXHAUST DUCT SYSTEM TO BE WELDED OR FACTORY-MANUFACTURED WATER AND AIR TIGHT. INSTALL CLEANOUTS PER CODE AND AS SHOWN. INSTALL HOOD PER DETAILS 2, 4, AND 9/M700. CHIPOTLE WILL PROVIDE AN INDEPENDENT TESTING AGENCY FOR TESTING THE INTEGRITY OF THE GREASE DUCT SYSTEM.

## HVAC PLAN NOTES

20 INSTALL REMOTE CONDENSING UNIT FOR WALK-IN COOLER ON ROOF AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL REFRIGERANT LINE SET, THERMOSTATIC EXPANSION VALVE, SOLENOID VALVE, TEMPERATURE CONTROL, SIGHT GLASS, FILTER DRIER, PRESSURE CONTROL, LOW AMBIENT CONTROLS, AND WEATHERPROOF HOUSING. TRAP AND SLOPE REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS. INSTALLATION SHALL COMPLY WITH ASHRAE/ANSI STANDARD 15. INSTALL THE REFRIGERANT LINE SET UNDER THE ROOF DECK TO WITHIN 3' OF THE CONDENSING UNIT. CUT 2-1/2" HOLE IN WALK-IN COOLER ROOF FOR REFRIGERANT LINE SET AND SEAL PER THE COOLER MANUFACTURER'S INSTALLATION INSTRUCTIONS AFTER LINE SET IS INSTALLED.

21 INSTALL REMOTE CONDENSER FOR ICE MACHINE ON ROOF AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL REFRIGERANT LINE SET, THERMOSTATIC EXPANSION VALVE, SOLENOID VALVE, TEMPERATURE CONTROL, SIGHT GLASS, FILTER DRIER, PRESSURE CONTROL, LOW AMBIENT CONTROLS, AND WEATHERPROOF HOUSING. TRAP AND SLOPE REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS. SEAL PIPING PENETRATIONS THROUGH ROOF. INSTALLATION SHALL COMPLY WITH ASHRAE/ANSI STANDARD 15. INSTALL THE REFRIGERANT LINE SET UNDER THE ROOF DECK TO WITHIN 3' OF THE REMOTE CONDENSER. IF REFRIGERANT PIPING TO ICE MAKER IS EXPOSED TO PUBLIC VIEW CONCEAL WITHIN A STAINLESS STEEL SHROUD AS SHOWN IN THE ARCHITECTURAL DRAWINGS.

22 INSTALL ROOFTOP EQUIPMENT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.

23 INSTALL EXHAUST FAN EF-1 PER DETAIL 5/M700 AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL GREASE VIROGUARD SYSTEM FURNISHED BY CHIPOTLE ON EXHAUST FAN, EF-1.

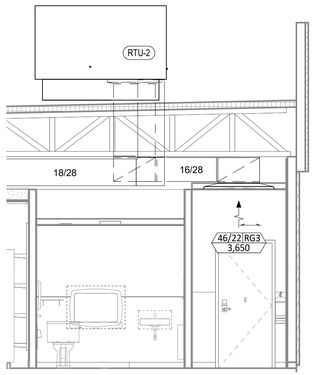
24 PROVIDE SUPPLY DIFFUSER CONNECTION TO SUPPLY SYSTEM PER DETAIL 1/M700. TYPICAL.

25 PROVIDE AUDIO/VISUAL REMOTE SMOKE DETECTOR ANNUNCIATOR WITH REMOTE KEY OPERATED RESET. WIRE A UNIT BACK TO EACH SMOKE DETECTOR. MOUNT UNIT 60" AFF. TYPICAL.

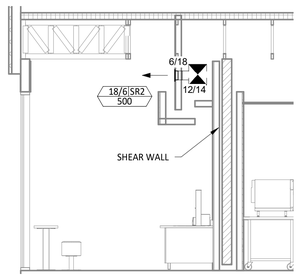
26 INSTALL REME HALO AIR PURIFIER FURNISHED BY TUV IN RTU PER DETAIL 6/M700. SEE ELECTRICAL DRAWINGS FOR POWER CONNECTION INFORMATION. INSTALL UV WARNING STICKERS ON FACE OF ENCLOSURE PER DETAIL AND ON ANY RTU ACCESS DOOR(S) THROUGH WHICH THE REME HALO WOULD BE VISIBLE IF OPENED.

27 MAINTAIN 10' CLEARANCE BETWEEN WATER HEATER FLUE TERMINATION AND OUTSIDE AIR INTAKES. MAINTAIN 10' CLEARANCE BETWEEN WATER HEATER COMBUSTION AIR INTAKE AND EXHAUST FAN EF-1 DISCHARGE. SEE PLUMBING DRAWINGS FOR MORE INFORMATION ON WATER HEATER FLUE AND COMBUSTION AIR TERMINATIONS.

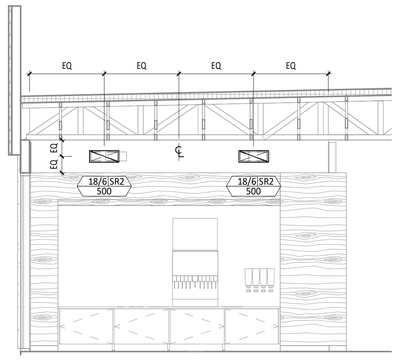
28 ADJUST SUPPLY REGISTERS SO THAT SUPPLY AIR HITS WALL ON OPPOSITE SIDE OF ROOM AT APPROXIMATELY 7' AFF WITH NO DRAFTS FELT IN THE DINING ROOM.



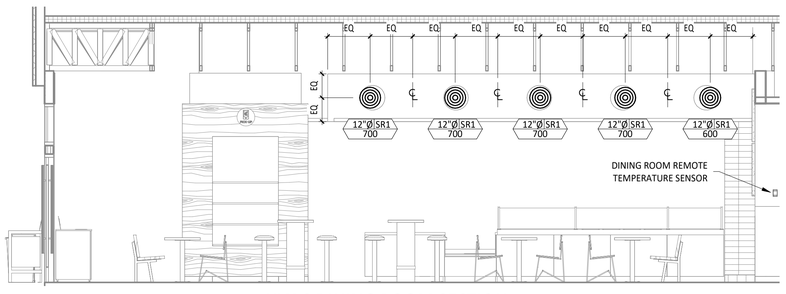

6 M100 **HVAC DINING ROOM RETURN SECTION**
1/4" = 1'-0"



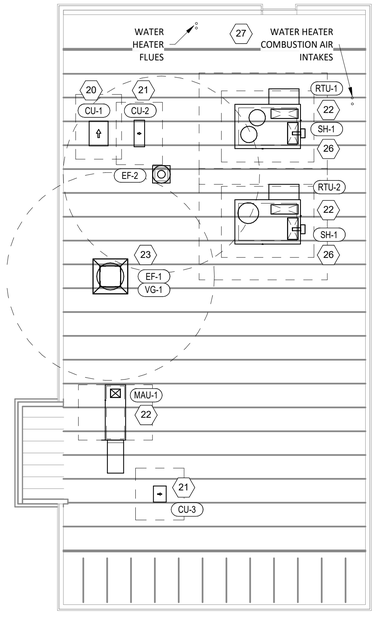

5 M100 **HVAC DINING ROOM SECTION**
1/4" = 1'-0"



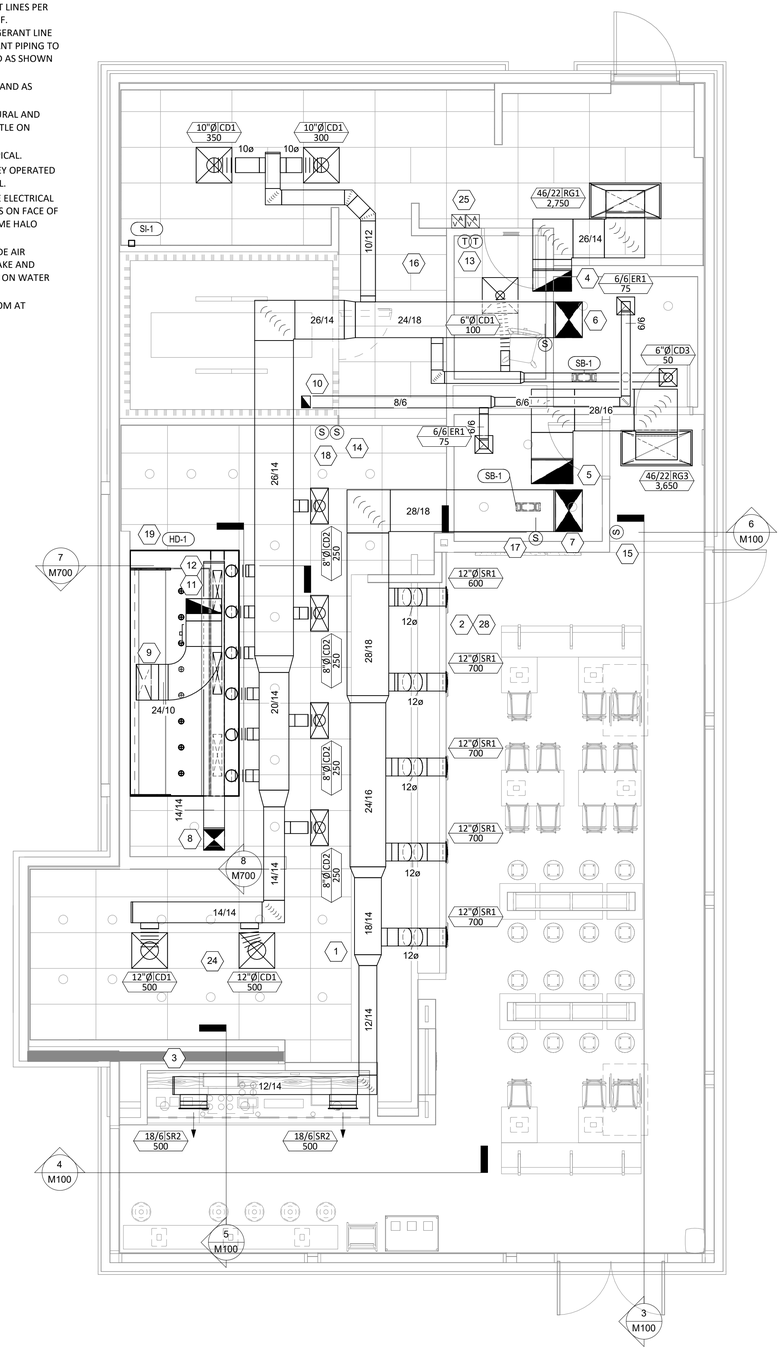

4 M100 **HVAC DINING ROOM SECTION**
1/4" = 1'-0"




3 M100 **HVAC DINING ROOM SECTION**
1/4" = 1'-0"




2 M100 **HVAC ROOF PLAN**
1/8" = 1'-0"




1 M100 **HVAC FLOOR PLAN**
1/4" = 1'-0"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Issue Record:
01/09/2024 PERMIT ISSUE

Revisions:
2 08/14/24 DB Revs

Drawn: IJD
Checked: AJD

Project No.
231074

Contents:
HVAC PLAN

M100

## SANITIZING EQUIPMENT SCHEDULE

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

## AIR BALANCE SCHEDULE

| TAG | SUPPLY FLOW | RETURN FLOW | EXHAUST FLOW | SUBTOTAL |
|---|---|---|---|---|
| EF-1 | 0 CFM | 0 CFM | 2,550 CFM | -2,550 CFM |
| EF-2 | 0 CFM | 0 CFM | 150 CFM | -150 CFM |
| MAU-1 | 1,300 CFM | 0 CFM | 0 CFM | 1,300 CFM |
| RTU-1 | 3,500 CFM | 2,750 CFM | 0 CFM | 750 CFM |
| RTU-2 | 4,400 CFM | 3,650 CFM | 0 CFM | 750 CFM |
| NET PRESSURIZATION | | | | 100 CFM |

## 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.

## FAN SCHEDULE

| TAG | DESCRIPTION | AIRFLOW | E.S.P. | WEIGHT | ELECTRICAL | | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MOTOR POWER | V/P/H | | | MANUFACTURER | MODEL | |
| EF-1 | UPBLAST UL762 EXHAUST FAN | 2,550 CFM | 1.20 in-wg | 400 lb | 2 hp | 208/3/60 | HS | GC | CAPTIVE-AIRE | DU180HFA | DIRECT DRIVE UL762 UPBLAST EXHAUST FAN FURNISHED WITH WEATHERPROOF DISCONNECT AND VENTED ROOF CURB |
| EF-2 | DOWNBLAST RESTROOM EXHAUST FAN | 150 CFM | 0.60 in-wg | 100 lb | 0.18 hp | 120/1/60 | HS | GC | CAPTIVE-AIRE | DR12HFA | DIRECT DRIVE DOWNBLAST RESTROOM EXHAUST FAN FURNISHED WITH INTEGRAL DISCONNECT, SPEED CONTROL, BACKDRAFT DAMPER, AND CURB |

## AIR TERMINAL SCHEDULE

| TAG | DESCRIPTION | FACE SIZE | MATERIAL | FINISH | MOUNTING | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MANUFACTURER | MODEL | |
| CD1 | PERFORATED CEILING DIFFUSER | 24" X 24" | ALUMINUM | WHITE | LAY-IN CEILING | GC | GC | NAILOR | 4320A TYPE L | PROVIDE WITH INTEGRAL OBD |
| CD2 | PERFORATED CEILING DIFFUSER | 24" X 12" | ALUMINUM | WHITE | LAY-IN CEILING | GC | GC | NAILOR | 4320A TYPE L | PROVIDE WITH INTEGRAL OBD, REMOVE 4-WAY DEFLECTORS |
| CD3 | PERFORATED CEILING DIFFUSER | 12" X 12" | ALUMINUM | WHITE | SURFACE MOUNT | GC | GC | NAILOR | 4320A TYPE S | PROVIDE WITH INTEGRAL OBD |
| ER1 | PERFORATED CEILING EXHAUST | 12" X 12" | ALUMINUM | WHITE | SURFACE MOUNT | GC | GC | NAILOR | 4330R TYPE S | PROVIDE INTEGRAL OBD |
| RG1 | PERFORATED CEILING RETURN | 48" X 24" | ALUMINUM | WHITE | LAY-IN CEILING | GC | GC | NAILOR | 4330R TYPE L | |
| RG3 | PERFORATED CEILING RETURN | 48" X 24" | ALUMINUM | WHITE | SURFACE MOUNT | GC | GC | NAILOR | 4330R TYPE S | |
| SR1 | ADJUSTABLE TURBO NOZZLE | SEE NECK SIZE | ALUMINUM | WHITE | WALL | GC | GC | AIR CONCEPTS | ANR-12 | PROVIDE WITH CONCEALED MOUNTING AND FACE ACCESSIBLE OBD |
| SR2 | DOUBLE DEFLECTION SUPPLY REGISTER | SEE NECK SIZE | ALUMINUM | WHITE | WALL | GC | GC | NAILOR | 51DH | PROVIDE WITH INTEGRAL OBD |

## VIROGUARD SCHEDULE

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

## CONDENSING UNIT SCHEDULE

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

## MAKEUP AIR UNIT SCHEDULE

| TAG | DESCRIPTION | AIRFLOW | E.S.P. | HEATING | | | WEIGHT | ELECTRICAL | | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | INPUT | OUTPUT | EAT | | MOTOR POWER | V/P/H | | | MANUFACTURER | MODEL | |
| MAU-1 | DIRECT-FIRED MAKEUP AIR UNIT | 1,300 CFM | 0.50 in-wg | 225,000 Btu/h | 220,000 Btu/h | 21 °F | 650 lb | 1 hp | 208/3/60 | HS | GC | CAPTIVE-AIRE | A1-D.250-15D | 12.5:1 MAX TURNDOWN. FURNISHED WITH DISCONNECT, ROOF CURB, SCREEN INTAKE, AND WASHABLE ALUMINUM FILTERS |

## KITCHEN HOOD SCHEDULE

| TAG | DESCRIPTION | MAX COOKING TEMP. | EXHAUST PLENUM | | | | | | NO. OF LIGHT FIXTURES | WEIGHT | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AIRFLOW | E.S.P. | DUCT COLLARS | | | | | | | | MANUFACTURER | MODEL | |
| | | | | | NO. | WIDTH | LENGTH | LENGTH | WIDTH | | | | | | |
| HD-1 | TYPE I CANOPY HOOD WITH PERFORATED MAU AND AC SUPPLY PLENUMS | 600 °F | 2,550 CFM | 0.97 in-wg | 1 | 10" | 2' - 0" | 12' - 9" | 4' - 3" | 8 | 1,150 lb | HS | GC | CAPTIVE-AIRE | 5424 ND-2-ACPSP-F | MAT'L: 18 GA. TYPE 430 SS. FURNISHED WITH VERTICAL END PANELS, VAPORPROOF INCANDESCENT LIGHT FIXTURES, 16" TALL HE SS FILTERS, INTEGRAL UTILITY CABINET, KITCHEN EXHAUST SUPPRESSION SYSTEM, DUCT COLLAR TEMPERATURE SENSOR, PREWIRE PACKAGE, SPARE FIRE SYSTEM DRY CONTACT, AND 4-POLE 20A CONTACTOR |

## ROOFTOP UNIT SCHEDULE

| TAG | DESCRIPTION | NOMINAL CAPACITY | AIRFLOW | | | NET COOLING CAPACITY | | | | | HEATING INPUT | HEATING OUTPUT | WEIGHT | ELECTRICAL | | | BASIS FOR DESIGN | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TOTAL | OA | E.S.P. (IN. W.C.) | TOTAL (MBH) | SENSIBLE (MBH) | EAT | | COND. EAT | | | | MOCP | MCA | V/P/H | MANUFACTURER | MODEL | |
| | | | | | | | | DB | WB | | | | | | | | | | |
| RTU-1 | KITCHEN ROOFTOP UNIT | 10 ton | 3,500 CFM | 750 CFM | 0.8 | 117.3 | 87.6 | 80 °F | 67 °F | 95 °F | 250000 Btu/h | 205000 Btu/h | 1,200 lb | 60 A | 51 A | 208/3/60 | CARRIER | 48FCFN12 | 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 AREA ROOFTOP UNIT | 12.5 ton | 4,400 CFM | 750 CFM | 0.8 | 132.3 | 92.6 | 80 °F | 67 °F | 95 °F | 250000 Btu/h | 205000 Btu/h | 1,400 lb | 80 A | 68 A | 208/3/60 | CARRIER | 48FCFN14 | 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 |


Consultant:

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8-14-2024


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Issue Record:
01/09/2024 PERMIT ISSUE

Revisions:
2 08/14/24 DB Revs

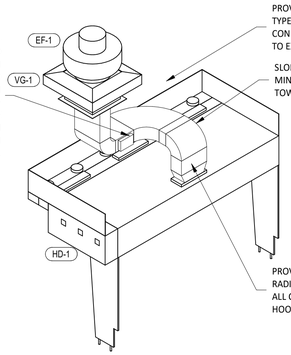
Drawn: IJD
Checked: AJD

Project No.
231074

Contents:
HVAC SCHEDULES

M600

GREASE DUCT CLEANOUTS SHALL BE UL-LISTED DUCTMATE PREINSULATED CLEANOUT DOORS MODEL D128ULWSBI FOR DUCTS AT LEAST 17" TALL AND DW128ULWSBI FOR DUCTS LESS THAN 17" TALL. CLEANOUTS SHALL BE FURNISHED BY TENANT. COORDINATE NUMBER AND SIZE REQUIRED WITH ENVIROMATIC. INSTALL AS SHOWN IN THE HVAC FLOOR PLAN.



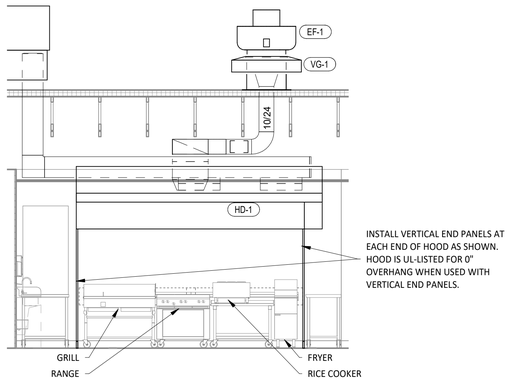

PROVIDE FIRE RESISTANT INSULATION ON TYPE I HOOD EXHAUST DUCT FROM CONNECTION TO HOOD TO CONNECTION TO EXHAUST FAN PER DETAIL 3/M700.

SLOPE HORIZONTAL GREASE DUCT A MINIMUM OF 1/4" PER FOOT DOWN TOWARD THE CONNECTION TO THE HOOD.

PROVIDE RADIUSED ELBOWS WITH AN INSIDE RADIUS OF 0.5 X THE DUCT DIMENSION AT ALL CHANGES OF DIRECTION IN THE TYPE I HOOD EXHAUST DUCT.

## 9/M700 HOOD EXHAUST ISOMETRIC

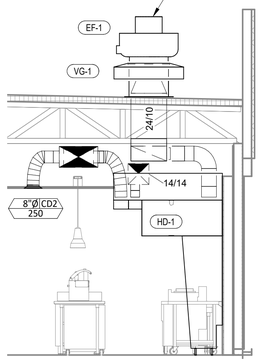
NOT TO SCALE




INSTALL VERTICAL END PANELS AT EACH END OF HOOD AS SHOWN. HOOD IS UL-LISTED FOR 0" OVERHANG WHEN USED WITH VERTICAL END PANELS.

## 8/M700 HOOD ELEVATION

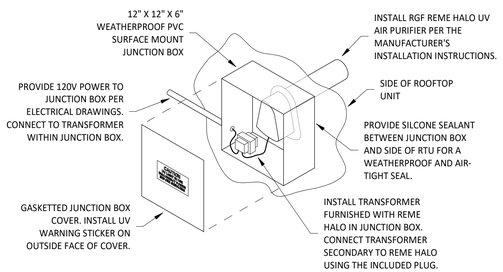
1/4" = 1'-0"




EXHAUST FAN TO DISCHARGE ABOVE PARAPET. PROVIDE EXTENSION RINGS AS NECESSARY.

## 7/M700 DUCT SECTION AT HOOD

1/4" = 1'-0"




**INSTALLATION LOCATION**

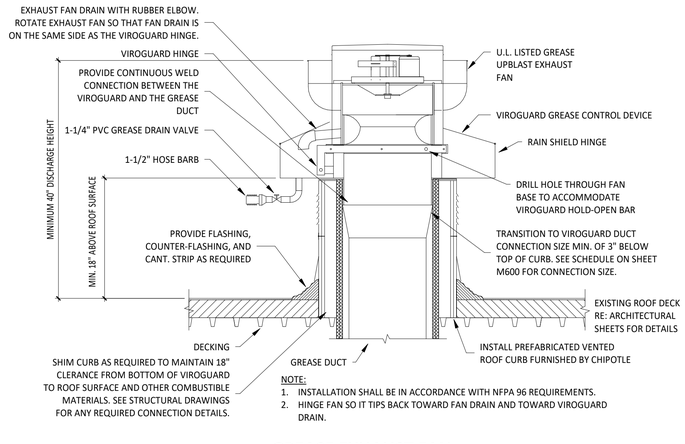
INSTALL AIR PURIFIER WITH JUNCTION BOX ON OUTSIDE FACE OF ROOFTOP UNIT AND WITH UV LAMP TUBE EXTENDING INTO THE INTERIOR OF THE ROOFTOP UNIT. FIELD VERIFY EXACT LOCATION TO AVOID DAMAGING, TOUCHING, OR INTERFERING WITH ANY RTU INTERIOR COMPONENTS. INSTALLATION LOCATION SHALL BE AS FOLLOWS:

**TRANE**: INSTALL INTO THE SUPPLY AIR STREAM THROUGH THE REMOVABLE PANEL COVERING THE HORIZONTAL DISCHARGE SUPPLY AIR OPENING.

**YORK**: INSTALL INTO THE SUPPLY AIR PLENUM FROM THE BACK SIDE OF THE UNIT JUST ABOVE THE HEAT EXCHANGER.

## 6/M700 UV AIR PURIFIER INSTALLATION

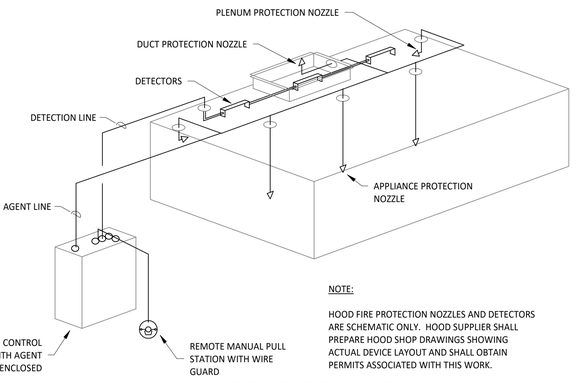
NOT TO SCALE




NOTE:
1. INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 96 REQUIREMENTS.
2. HINGE FAN SO IT TIPS BACK TOWARD FAN DRAIN AND TOWARD VIROGUARD DRAIN.

## 5/M700 GREASE EXHAUST FAN

NOT TO SCALE




NOTE:

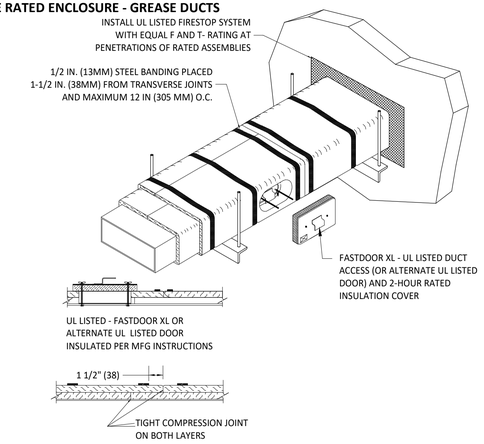
HOOD FIRE PROTECTION NOZZLES AND DETECTORS ARE SCHEMATIC ONLY. HOOD SUPPLIER SHALL PREPARE HOOD SHOP DRAWINGS SHOWING ACTUAL DEVICE LAYOUT AND SHALL OBTAIN PERMITS ASSOCIATED WITH THIS WORK.

## 4/M700 FIRE SUPPRESSION SYSTEM SCHEMATIC

NOT TO SCALE

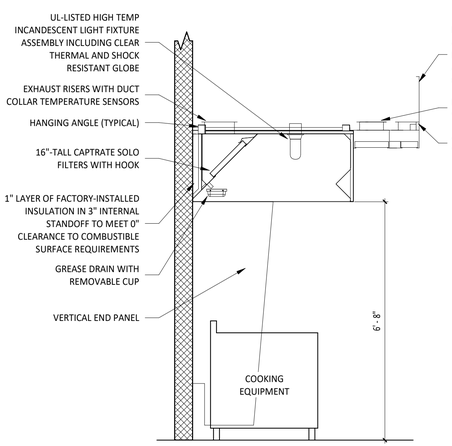
### FIRE RATED ENCLOSURE - GREASE DUCTS

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



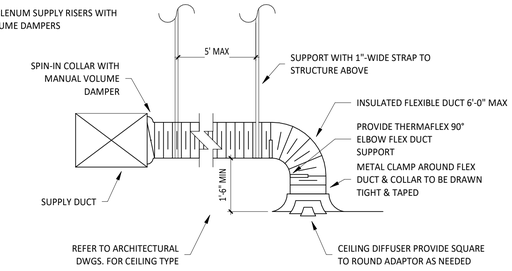

## 3/M700 FIREMASTER DUCT WRAP - UL HNKT-G18

NOT TO SCALE




## 2/M700 HOOD SECTION VIEW

NOT TO SCALE




NOTE:

1. METHOD OF INSTALLATION FOR AIRTIGHT SEAL IS TYPICAL FOR ALL FLEX CONNECTIONS TO AIR DISTRIBUTION DEVICES.

## 1/M700 DIFFUSER CONNECTION

NOT TO SCALE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Issue Record:

| | |
|---|---|
| 01/09/2024 | PERMIT ISSUE |

Revisions:

Drawn: IJD
Checked: AJD

Project No.
231074

Contents:
HVAC DETAILS

M700

SECTION 15055 - COMMON PIPING REQUIREMENTS
PART 1 - GENERAL
A. SECTION REQUIREMENTS
1. Comply with the requirements of the Building Code and the local authority having jurisdiction.
PART 2 - PRODUCTS
2.1 SUPPORTING DEVICES
A. Hanger and Pipe Attachments: Factory fabricated with galvanized coatings; nonmetallic coated for hangers in direct contact with copper tubing.
B. Building Attachments: Powder actuated type, drive pin attachments with pullout and shear capacities appropriate for supported loads and building materials; UL listing and FM approval for fire protection systems.
C. Mechanical Anchor Fasteners: Insert-type attachments with pullout and shear capacities appropriate for supported loads and building materials; UL listing and FM approval for fire protection systems.
PART 3 - EXECUTION
3.1 INSTALLATION
A. Install piping free of sags and bends.
B. Install fittings for changes in direction and branch connections.
C. Install sleeves for pipes passing through concrete and masonry walls, gypsum board partitions, and concrete floor and roof slabs.
D. Exterior Wall, Pipe Penetrations: Mechanical sleeve seals installed in steel or cast iron pipes for wall sleeves.
E. Fire Barrier Penetrations: Seal pipe penetrations with through-penetration firestop systems.
F. Install unions adjacent to each valve and at final connection to each piece of equipment.
G. Install dielectric unions and flanges to connect piping materials of dissimilar metals in gas piping.
H. Install dielectric coupling and nipple fittings to connect piping materials of dissimilar metals in water piping.
I. Provide full ring escutcheons at plumbing penetrations through walls or ceilings. Tightly seal escutcheons to the adjacent surface.
3.2 HANGERS AND SUPPORTS
A. Install building attachments within concrete or to structural steel. Install additional attachments at concentrated loads, including valves, flanges, guides, strainers, expansion joints, and at changes in direction of piping.
B. Install powder actuated drive pin fasteners in concrete after concrete is cured. Do not use in lightweight concrete or in slabs less than 4 inches thick.
C. Install mechanical anchor fasteners in concrete after concrete is cured. Do not use in lightweight concrete or in slabs less than 4 inches thick.
D. Support fire protection system piping independent of other piping.
E. Load Distribution: Install hangers and supports so piping live and dead loading and stresses from movement will not be transmitted to connected equipment.
END OF SECTION 15055

SECTION 15080 - MECHANICAL INSULATION
PART 1 - GENERAL
1.1 SECTION REQUIREMENTS
A. Submittals: None.
B. Quality Assurance: Labeled with maximum flame-spread rating of 25 and maximum smoke developed rating of 50 according to ASTM E 84.
PART 2 - PRODUCTS
2.1 PIPE INSULATION
A. Preformed Glass Fiber Pipe Insulation: ASTM C 547, Class 1, with factory applied, all purpose, vapor retarder jacket.
B. Polyolefin Pipe Insulation: Unicellular polyethylene, preformed pipe insulation. Comply with ASTM C 534, Type I, except for density.
PART 3 - EXECUTION
3.1 INSTALLATION
A. Install vapor barriers on insulated pipes with surface operating temperatures below 60 deg F.
B. Insulate fittings, valves, and specialties.
C. Seal vapor barrier penetrations for hangers, supports, anchors, and other projections.
D. Coat glass fiber pipe insulation ends with vapor barrier coating.
E. Roof Penetrations: Apply insulation for interior applications to a point even with the top of the roof flashing.
F. Exterior Wall Penetrations: For penetrations of below grade exterior walls, terminate insulation flush with mechanical sleeve seal.
G. Interior Walls and Partitions Penetrations: Apply insulation continuously through walls and partitions, except fire rated walls and partitions.
H. Fire Rated Walls and Partitions Penetrations: Terminate insulation at penetrations through fire rated walls and partitions. Seal around penetration with through penetration firestop systems.
I. Floor Penetrations: Terminate insulation at the underside of the floor assembly and at the floor support at top of floor. Seal around penetration with through penetration firestop systems.
J. Glass Fiber Insulation Installation: Bond insulation to pipe with adhesive. Seal seams and joints with vapor barrier compound.
K. Interior Piping System Applications: Insulate the following piping systems:
1. Domestic cold, hot, and recirculation water pipes.
2. Exposed sanitary drains and water supply pipes for public hand sinks.
3. Refrigerant piping.
L. Do not apply insulation to the following systems, materials, and equipment:
1. Flexible connectors.
2. Fire protection piping systems.
3. Sanitary drainage and vent piping.
4. Chrome plated pipes and fittings, except for plumbing fixtures for the disabled.
5. Piping specialties, including air chambers, unions, strainers, check valves, plug valves, and flow regulators.
M. Pipe Insulation Thickness Application Schedule: Insulate piping with the following materials and thicknesses:
1. Domestic Hot and Recirculation water pipes: 1-inch preformed glass fiber pipe insulation.
2. Domestic Cold Water: 1/2-inch preformed glass fiber pipe insulation.
3. Storm Drain: 1/2-inch preformed glass fiber pipe insulation.
4. P-Trap and Fixture Supplies for public hand sinks: ADA-compliant pre-formed insulation.
END OF SECTION 15080

SECTION 15110 - VALVES
PART 1 - GENERAL (Not Applicable)
PART 2 - PRODUCTS
2.1 GENERAL DUTY VALVES
A. End Connections: Threads shall comply with ANSI B1.20.1. Flanges shall comply with ANSI B16.1 for cast iron valves and ANSI B16.24 for bronze valves. Solder-joint connections shall comply with ANSI B16.18.
B. Ball Valves: Rated for 150 psig saturated steam pressure, 400 psig WOG pressure; 2 piece construction; with bronze body, standard (or regular) port, chrome plated brass ball, replaceable "Teflon" or "TFE" seats and seals, blowout proof stem, and vinyl covered steel handle.
C. Plug Valves: Rated at 150 psig WOG; bronze body, with straightaway pattern, square head, and threaded ends.
D. Swing Check Valves: Class 125, cast bronze body and cap; with horizontal swing, Y-pattern, and bronze disc.
E. Valves for Copper Tube: Solder ends, except provide threaded ends for heating hot water and low pressure steam service.
F. Valves for Steel Pipe: Threaded ends.
PART 3 - EXECUTION
3.1 INSTALLATION
A. Use gate and ball valves for shutoff duty and ball for throttling duty.
B. Locate valves for easy access and provide separate support where necessary.
C. Install accessible valves for each fixture and item of equipment.
D. Install valves in horizontal piping with stem at or above center of pipe.
E. Install valves in a position to allow full stem movement.
F. Install check valves for proper direction of flow in horizontal position with hinge pin level.
END OF SECTION 15110

SECTION 15140 - DOMESTIC WATER PIPING
PART 1 - GENERAL
1.1 SECTION REQUIREMENTS
A. Performance Requirements: Unless otherwise indicated minimum pressure requirements for water piping are as follows:
1. Service Entrance Piping: 100 psig.
2. Domestic Water Piping: 80 psig.
B. Comply with NSF 14 "Plastic Piping Components and Materials."
C. Comply with NSF 61 "Drinking Water System Components -- Health Effects."
PART 2 - PRODUCTS
2.1 PIPES AND TUBES (See Material Schedule on sheet P010 for where these materials are to be used)
A. Hard Copper Tube: ASTM B 88, Types L and M, water tube, drawn temper.
B. PVC Plastic, Water Pipe: ASTM D 1785, Schedule 80, plain ends.
2.2 FITTINGS
A. Wrought Copper, Solder Joint Pressure Fittings: ASME B 16.22.
B. Cast Copper Alloy, Solder Joint Pressure Fittings: ASME B 16.18.
C. Bronze Flanges: ASME B 16.24, Classes 150 and 300.
D. Copper Unions: ASME B 16.18, cast copper alloy body, hexagonal stock, with ball and socket joint, metal to metal seating surfaces, and solder joint, threaded, or solder joint and threaded ends. Threads complying with ASME B 1.20.1.
E. PVC Plastic, Schedule 80, Socket Type Pipe Fittings: ASTM D 2467.
2.3 JOINING MATERIALS
A. Solder Filler Metal: ASTM B 32, lead free.
B. Brazing Filler Metals: AWS A5.8, alloys to suit system requirements.
C. Solvent Cements: As recommended by manufacturer.
D. Plastic Pipe Seals: ASTM F 477, elastomeric gasket.
PART 3 - EXECUTION
3.1 VALVE APPLICATIONS
A. Install gate valves close to main on each branch and riser serving two or more plumbing fixtures or equipment connections and where indicated.
B. Install gate or ball valves on inlet to each plumbing equipment item, on each supply to each plumbing fixture not having stops on supplies, and elsewhere as indicated.
C. Install drain valve at base of each riser, at low points of horizontal runs, and where required to drain water distribution piping system.
D. Install swing check valve on discharge side of each pump and elsewhere as indicated.
E. Install ball valves in each hot water circulating loop and discharge side of each pump.
3.2 PIPING INSTALLATIONS
A. Install hangers and supports at intervals indicated in the applicable plumbing code and as recommended by pipe manufacturer.
B. Support vertical piping at each floor.
3.3 INSPECTING AND CLEANING
A. Inspect and test piping systems following procedures of authorities having jurisdiction.
B. Clean and disinfect water distribution piping following procedures of authorities having jurisdiction.
END OF SECTION 15140

SECTION 15150 - SANITARY WASTE AND VENT PIPING
PART 1 - GENERAL
1.1 SECTION REQUIREMENTS
A. Minimum Pressure Requirement for Soil, Waste and Vent: 10 feet head.
B. Comply with NSF 14 "Plastic Piping Components and Related Materials".
PART 2 - PRODUCTS
2.1 PIPES AND TUBES
A. PVC Plastic, DWV Pipe: ASTM D 2665, Schedule 40, plain ends.
2.2 FITTINGS
A. PVC Plastic, DWV Pipe Fittings: ASTM D 2665, made to ASTM D 3311; socket type; drain, waste, and vent pipe patterns.
PART 3 - EXECUTION
3.1 PIPING INSTALLATION
A. Install cleanout and extension to grade at connection of building sanitary drain and building sanitary sewer.
B. Locate drainage piping runouts as close as possible to bottom of floor slab supporting fixtures or drains.
3.2 INSPECTION
A. Inspect and test piping systems following procedures of authorities having jurisdiction.
END OF SECTION 15150

SECTION 15198 - NATURAL GAS PIPING
PART 1 - GENERAL
1.1 SECTION REQUIREMENTS
A. Quality Assurance: Comply with NFPA 54 and the Plumbing Code.
PART 2 - PRODUCTS
2.1 PIPE, TUBE, AND SPECIALTIES
A. Steel Pipe: ASTM A 53, Type S (Seamless), Grade B, Schedule 40, plain ends.
B. Malleable Iron Threaded Fittings: ASME B16.3, Class 150.
C. Manual Valves: Comply with standards listed or, if appropriate, to ANSI Z21.15.
D. Gas Stops: AGA certified, bronze-body, plug type with bronze plug, for 2-psig or less natural gas. Include AGA stamp, flat or square head or lever handle, and threaded ends complying with ASME B1.20.1.
E. Gas Valves: 150-psig WOG, cast-iron or bronze body, bronze plug, straightaway pattern, square head, tapered-plug type.
F. Gas Pressure Regulators: ANSI Z21.18, single stage, steel jacketed, corrosion resistant pressure regulators. Include atmospheric vent, elevation compensator. Regulator pressure ratings, inlet and outlet pressures, and flow volume in cubic feet per hour of natural gas at specific gravity are as indicated.
G. Line Gas Pressure Regulators: Inlet pressure rating not less than system pressure.
H. Flexible Connectors: ANSI Z21.24, copper alloy.
I. Strainers: Bronze body, Y-pattern, full size of connecting piping. Include stainless-steel screens with 3/64 inch perforations and a pressure rating of 125-psig- minimum, WOG working pressure.
PART 3 - EXECUTION
3.1 INSTALLATION
A. Close equipment shutoff valves before turning off gas to premises or section of piping. Perform leakage test as specified to determine that all equipment is turned off in affected piping section.
B. Install shutoff valve, downstream from gas meter, outside building at gas service entrance.
C. Install gas stops for shutoff to appliances with NPS 2" or smaller low pressure gas supply.
D. Drips and Sediment Traps: Install drips at points where condensate may collect. Include outlets of gas meters. Locate where readily accessible to permit cleaning and emptying. Do not install where condensate would be subject to freezing.
E. Install gas piping at uniform slope of 0.1 percent upward toward risers.
F. Connect branch piping from top or side of horizontal piping.
G. Install strainers on supply side of each control valve, gas pressure regulator, solenoid valve, and elsewhere as indicated.
H. Install valves in accessible locations, protected from damage.
I. Install gas valve upstream from each gas pressure regulator. Where two gas-pressure regulators are installed in series, valve is not required at second regulator.
J. Connect gas piping to equipment and appliances with shutoff valves and unions. Install gas valve upstream from and within 36 inches of each appliance using gas. Install union or flanged connection downstream from valve.
K. Inspect, test, and purge piping according to NFPA 54, Part 4, "Gas Piping Inspection, Testing, and Purging", and requirements of authorities having jurisdiction.
END OF SECTION 15198

SECTION 15410 - PLUMBING FIXTURES
PART 1 - GENERAL
1.1 SECTION REQUIREMENTS
Submittals: None.
A. Comply with requirements of Public Law 102-486, "Energy Policy Act", regarding water flow rate and water consumption of plumbing fixtures.
B. Comply with applicable standards below:
1. Enameled, Cast Iron Fixtures: ASME A112.19.1M.
2. National Sanitation Foundation Construction: NFS2.
3. Porcelain Enameled Fixtures: ASME A112.19.4M.
4. Slip Resistant Bathing Surfaces: ASTM F 462.
5. Stainless Steel Fixtures: ASME A112.19.3M.
6. Vitreous China Fixtures: ASME A112.19.2M.
PART 2 - PRODUCTS
2.1 Refer to the fixture schedule on drawing P600
PART 3 - EXECUTION
3.1 INSTALLATION
A. Install fixtures with flanges and gasket seals.
B. Install flushometer valves for accessible water closets and urinals with handle mounted on wide side of compartment. Install other actuators in locations that are easy for the disabled to reach.
C. Fasten wall hanging plumbing fixtures securely to supports attached to building substrate when supports are specified, and to building wall construction where no support is indicated.
D. Fasten floor mounted fixtures to substrate. With fixtures having holes for securing fixture to wall construction, fasten to reinforcement built into walls.
E. Fasten wall mounted fittings to reinforcement built into walls.
F. Fasten counter mounted plumbing fixtures to casework.
G. Secure supplies to supports or substrate within pipe space behind fixture.
H. Set mop basins in leveling bed of cement grout.
I. Install individual supply inlets, supply stops, supply risers, and tubular brass traps with cleanouts at fixture.
J. Install water supply stop valves in accessible locations.
K. Install traps on fixture outlets. Omit traps on fixtures having integral traps. Omit traps on indirect wastes, unless otherwise indicated or required by the Authority Having Jurisdiction.
L. Install full-ring escutcheons at wall, floor, and ceiling penetrations in exposed, finished locations and within cabinets and millwork. Use deep pattern escutcheons where required to conceal protruding pipe fittings.
M. Install piping connections between plumbing fixtures and piping systems and plumbing equipment. Install insulation on supplies and drains of fixtures for the disabled.
N. Ground equipment. Tighten electrical connectors and terminals according to UL 486A and UL 486B.
END OF SECTION 15410

SECTION 15554 - FLUES AND VENTS
PART 1 - GENERAL
1.1 SECTION REQUIREMENTS
A. Submittals: None.
PART 2 - PRODUCTS
2.1 GAS VENTS
A. Vent/air intake for high efficiency domestic water heater. Follow manufacturer's recommendations for sizing and material.
B. Accessories: Tees, elbows, increasers, draft hood connectors, metal cap with bird barrier, adjustable roof flashing, storm collar, support assembly, thimbles, firestopping spacers, and fasteners; fabricated of similar materials and designs as vent-pipe straight sections.
PART 3 - EXECUTION
3.1 INSTALLATION
A. Install vents according to stipulated minimum clearances from combustibles.
B. Seal between sections of positive pressure vents using only sealants recommended by manufacturer.
C. Support vents at intervals to support the weight of the vent and all accessories, without exceeding loading of appliances.
END OF SECTION 15554

## PLUMBING ABBREVIATIONS

| | |
|---|---|
| (E) | EXISTING |
| ABV | ABOVE |
| ADA | AMERICANS WITH DISABILITIES ACT |
| AFF | ABOVE FINISHED FLOOR |
| AFG | ABOVE FINISHED GRADE |
| AHJ | AUTHORITY HAVING JURISDICTION |
| BFF | BELOW FINISHED FLOOR |
| BFG | BELOW FINISHED GRADE |
| BOH | BACK OF HOUSE |
| CLG | CEILING |
| CTE | CONNECT TO EXISTING |
| CW | DOMESTIC COLD WATER |
| DN | DOWN |
| EXG | EXISTING |
| FCO | FLOOR CLEANOUT |
| FD | FLOOR DRAIN |
| FLR | FLOOR |
| FOH | FRONT OF HOUSE |
| FS | FLOOR SINK |
| FW | DOMESTIC FILTERED COLD WATER |
| GCO | GRADE CLEANOUT |
| GI | GREASE INTERCEPTOR |
| GT | GREASE TRAP |
| GW | GREASE WASTE |
| GYP | GYPSUM BOARD |
| HW | DOMESTIC HOT WATER |
| NTS | NOT TO SCALE |
| O/H | OVERHEAD |
| SAN | SANITARY WASTE |

## PLUMBING ABBREVIATIONS

| | |
|---|---|
| ST | STORM SEWER |
| SW | DOMESTIC SOFTENED COLD WATER |
| TYP | TYPICAL |
| U/G | UNDERGROUND |
| UNO | UNLESS NOTED OTHERWISE |
| W/ | WITH |
| WIC | WALK-IN COOLER |
| | |
| C02AS | TENANT'S CO2 ALARM SUPPLIER |
| GC | GENERAL CONTRACTOR |
| HES | TENANT'S HVAC EQUIPMENT SUPPLIER |
| HS | TENANT'S HOOD SUPPLIER |
| KES | TENANT'S KITCHEN EQUIPMENT SUPPLIER |
| LL | LANDLORD |
| SPS | TENANT'S SODA POP SUPPLIER |
| TAB | TENANT'S TEST AND BALANCE VENDOR |
| TCC | TENANT'S CABLING CONTRACTOR |
| TDC | TENANT'S DUCT CLEANER |
| TEMS | TENANT'S ENERGY MANAGEMENT SYSTEM SUPPLIER |
| TLS | TENANT'S LIGHT/LAMP SUPPLIER |
| TMB | TENANT'S MENU BOARD SUPPLIER |
| TMS | TENANT'S MILLWORK SUPPLIER |
| TP | TENANT'S PHONE SUPPLIER |
| TPS | TENANT'S PANELBOARD SUPPLIER |
| TRS | TENANT'S RAILING SUPPLIER |
| TSV | TENANT'S SIGN VENDOR |
| TUV | TENANT'S UV SNAITIZER SUPPLIER |
| WCS | TENANT'S WALK-IN COOLER SUPPLIER |
| WHS | TENANT'S WATER HEATER SUPPLIER |

**CALIFORNIA GREEN BUILDING STANDARDS CODE**
5.303 INDOOR WATER USE
5.303.1 METERS:
Seperate submeters or metering device shall be installed for the uses described in Section 503.1.1 and 503.1.2.
5.303.1.1 ADDITIONS TO EXISTING BUILDING IN EXCESS OF 50,000 SF:
Seperate submeters shall be installed as follows:
1. For each individual leased, rented, or other tenant space within the building projected to consume more than 100 gal/day, including but not limited to, spaces used for laundry ot cleaners, restaurant or food service, medical or dental office, laboratory, beauty salon or barber shop.
2. Where seperate submeters for individual building tenants are unfeasible, for water supplied to the following systems.
a. Makeup water for cooling towers where flow through is greater than 500 gpm.
b. Makeup water for evaporative coolers greater than 6 gpm.
c. Steam and hot water boilers with energy input more than 500,000 Btu/h.
5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS:
Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:
5.303.3.1 WATER CLOSETS:
The effective flush volume of all closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-type toilets.
NOTE: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.
5.303.3.2 URINALS:
The effective flush volume of urinal shall not exceed 0.5 gallons per flush.
5.303.3.3 SHOWERHEADS:
5.303.3.3.1 SINGLE SHOWERHEAD:
Showerheads shall have a maximum flow rate of not more than 2.0 gpm at 80 psi.
Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specifications for Showerheads.
5.303.3.3.2 MULTIPLE SHOWERHEADS SERVING ONE SHOWER:
When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 2.0 gpm at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at one time.
NOTE: A handheld shower shall be considered a showerhead.
5.303.3.4 FAUCETS AND FOUNTAINS:
5.303.3.4.1 NONRESIDENTIAL LAVATORY FAUCETS:
Lavatory faucets shall have a maximum flow rate of not more than 0.5 gpm at 60 psi.
5.303.3.4.2 KITCHEN FAUCETS:
Kitchen faucets shall have a maximum flow rate of not more than 1.8 gpm at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not exceed 2.2 gpm at 60 psi, and must default to a maximum of 1.8 gpm at 60 psi.
5.303.3.4.3 WASH FOUNTAINS:
Wash fountains shall have a maximum flow rate of not more than 1.8 gpm per 20 [rim space (in.) at 60 psi].
5.303.3.4.4 METERING FAUCETS:
Metering faucets shall not deliver more than 0.2 gallons per cycle.
5.303.3.4.5 METERING FAUCETS FOR WASH FOUNTAINS:
Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.2 gpm per 20 [rim space (in.) at 60 psi].
NOTE: This code section does not affect local jurisdiction authority to prohibit or require disposer installation.

5.303.4 COMMERCIAL KITCHEN EQUIPMENT
5.303.4.1 FOOD WASTE DISPOSERS
Disposers shall either modulate the use of water to no more than 1 gpm when the dispenser is not in use (not actively grinding food waste/no-load) or shall automatically shut off after not more than 10 minutes of inactivity. Dispeners shall use no more than 8 gpm of water.

5.303.5 AREAS OF ALTERATION OR ADDITION:
For those occupencies within the authority or the California Building Standards Commission as specified in Section 103, the provisions of Section 5.303.3 and 5.303.4 shall aply to new fixtures in additions or areas of alteration to the building.

5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS:
Plumbing fixtures and fittings shall be installed in accordance with the California Plumbing Code, and shall meet the applicable standards referenced in Table 1701.1 of the California Plumbinh Code and in Chapter 6 of the California Green Building Standards Code.

## PLUMBING SYMBOLS

- ELBOW UP
- ELBOW DOWN
- DOMESTIC COLD WATER
- F — DOMESTIC FILTERED COLD WATER
- S — DOMESTIC SOFTENED COLD WATER
- DOMESTIC HOT WATER (110 DEGREES)
- DOMESTIC HOT WATER RECIRC.
- G — GAS
- G — GAS (ON ROOF)
- SANITARY WASTE
- GW — GREASE WASTE
- SANITARY VENT
- CD — CONDENSATE DRAIN
- X — PLAN NOTE: SEE PLAN NOTES LISTED ON THE SAME SHEET FOR NOTE MEANING
- CONNECT TO EXISTING
- REDUCED PRESSURE ZONE BACKFLOW PREVENTER
- WM — WATER METER
- GM — GAS METER
- XX-# — EQUIPMENT TAG: SEE EQUIPMENT SCHEDULE ON SHEET P600 FOR EQUIPMENT INFORMATION
- VALVE
- SOLENOID-OPERATED VALVE
- WALL HYDRANT/ROOF HYDRANT
- CHECK VALVE
- CIRCUIT-SETTER BALANCE VALVE RATED FOR POTABLE WATER
- FLOOR DRAIN
- FLOOR SINK
- CLEANOUT

## PLUMBING GENERAL NOTES

A GENERAL NOTES APPLY TO PLUMBING SHEETS.
B PLUMBING WORK SHALL BE DONE IN ACCORDANCE WITH THE PLUMBING CODE, LOCAL HEALTH DEPARTMENT STANDARDS, AND THE AUTHORITY HAVING JURISDICTION. SEE ARCHITECTURAL SHEETS FOR THE PREVAILING CODES.
C PIPING LAYOUTS ON DRAWINGS ARE SCHEMATIC. EXACT LOCATIONS ARE TO BE COORDINATED WITH THE EXISTING CONDITIONS AND THE WORK OF OTHER TRADES.
D CONCEAL PIPING UNLESS NOTED OTHERWISE. WATER SUPPLY PIPES SHALL BE INSTALLED LEVEL.
E PROVIDE SHUT-OFF VALVES FOR ISOLATION OF FIXTURE GROUPS AS SHOWN ON DRAWINGS IN ADDITION TO STOP VALVES AT EACH FIXTURE.
F PROVIDE STOP VALVES AT FIXTURES.
G PROVIDE TRAP PRIMERS FOR FLOOR DRAINS AS SHOWN ON SHEET P100.
H WHERE THE WATER OR GAS SUPPLY LINE SIZE SHOWN IN THE PLUMBING DIAGRAMS DIFFERS FROM THE FIXTURE OR EQUIPMENT CONNECTION SIZE, PROVIDE LINE SIZE PIPE TO WITHIN 6" OF THE FIXTURE OR EQUIPMENT BEFORE TRANSITIONING TO THE CONNECTION SIZE.
I PIPING IN EXTERIOR WALLS SHALL BE INSTALLED BETWEEN THE INSULATION AND THE INTERIOR WALL FINISHING MATERIAL.
J INSULATE THE HOT AND COLD WATER, CONDENSATE DRAINAGE, AND STORM PIPING PER THE SPECIFICATIONS AND DETAIL 8/P700.
K PROVIDE GAS SHUT-OFF VALVES AT EACH PIECE OF EQUIPMENT. PROVIDE ACCESSIBLE DIRT LEG AT THE BOTTOM OF VERTICAL SECTIONS OF GAS PIPE AND AT THE CONNECTION TO EACH PIECE OF EQUIPMENT.
L PLUMBING FIXTURES, ACCESSORIES, AND MATERIALS PROVIDED FOR DOMESTIC WATER SHALL BE LEAD FREE.
M PRIOR TO TURNOVER PERFORM A VIDEO INSPECTION OF THE SANITARY AND GREASE LINES FROM THE MAIN LINES WITHIN THE TENANT SPACE TO THE MAIN SEWER TO VERIFY THAT THE SANITARY WASTE SYSTEM IS CONNECTED, CLEAN, AND FREE OF SAGS, BELLIES, BREAKS, AND DEBRIS. DELIVER A REPORT AND COPY OF THE VIDEO TO THE TENANT'S CONSTRUCTION MANAGER PRIOR TO TURNOVER.
N THE TERM "FURNISH" MEANS SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS. THE TERM "INSTALL" DESCRIBES THE OPERATIONS AT THE PROJECT SITE INCLUDING THE ACTUAL UNLOADING, UNPACKING, ASSEMBLY, ERECTING, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS. THE TERM "PROVIDE" MEANS TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.
O PRIOR TO CONNECTION TO ANY EXISTING SEWER SYSTEM PERFORM A DIE TEST TO VERIFY THE TYPE OF SYSTEM AND THE DIRECTION OF FLOW. REPORT ANY DEVIATION FROM THE CONSTRUCTION DOCUMENTS TO THE TENANT'S CONSTRUCTION MANAGER.
P PROVIDE SANITARY AND GREASE WASTE PIPES AT A MINIMUM SLOPE OF 1/4" PER FOOT UNLESS NOTED OTHERWISE.
Q INSTALL SHUTOFF AND ISOLATION VALVES SHOWN TO BE ABOVE CEILING IN ACCESSIBLE LOCATIONS WITHIN 12" OF LAY-IN CIELINGS.

## PLUMBING MATERIAL SCHEDULE

| | APPLICATION | ALLOWABLE MATERIAL |
|---|---|---|
| NATURAL GAS PIPE | | |
| | CONCEALED | SCH. 40 STEEL PIPE, MALLEABLE IRON THREADED FITTINGS |
| | EXPOSED | SCH. 40 STEEL PIPE, MALLEABLE IRON THREADED FITTINGS, PAINTED |
| SANITARY WASTE & VENT PIPE | | |
| | ABOVE GROUND HAND SINK DRAINS | BRASS WITH CHROME FINISH |
| | ABOVE GROUND PREP SINK AND WARE WASHING SINK DRAINS | PVC PLASTIC DWV PIPE AND FITTINGS |
| | ABOVE GROUND, CONCEALED | PVC PLASTIC DWV PIPE AND FITTINGS |
| | BELOW GROUND | PVC PLASTIC DWV PIPE AND FITTINGS |
| WATER SUPPLY PIPE | | |
| | ABOVE GRADE | TYPE L COPPER TUBE |

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Issue Record:
01/09/2024 PERMIT ISSUE

Revisions:

Drawn: IJD
Checked: AJD

Project No.
231074

Contents:
PLUMBING SPECIFICATIONS

P010

## WATER PLAN NOTES

1 SEE CIVIL UTILITY PLAN FOR CONTINUATION OF 1-1/2" DOMESTIC WATER SERVICE.

2 PROVIDE 1/2" FILTERED WATER TO THE BAG-IN-BOX SODA CARBONATOR AT 102" AFF. SODA CARBONATOR SHALL HAVE AN INTEGRAL ASSE 1022-RATED CARBONATED BEVERAGE BACKFLOW PREVENTION DEVICE.

3 PROVIDE WATER HEATERS DWH-1 AND DWH-2 PER DETAIL 1/P700.

4 PROVIDE WATER FILTERS MOUNTED TO WALL PER DETAIL 11/P700. PROVIDE 1/2" SUPPLY PIPES FROM FILTERS TO ICE MAKER AND SODA CARBONATOR AS SHOWN.

5 PROVIDE 1/2" FILTERED WATER ROUGH-IN TO THE ICE MAKER AT 56" AFF. PROVIDE 6' LONG STAINLESS STEEL FLEXIBLE BRAIDED WASHING MACHINE WATER CONNECTOR WITH MINIMUM 0.43" ID (BRASSCRAFT SL12-72WA F OR EQUAL) FOR FINAL CONNECTION TO ICE MAKER.

6 PROVIDE DOMESTIC WATER ROUGH-INS FOR THE MOP BASIN FAUCET AT 36" AFF. PROVIDE DOMESTIC WATER ROUGH-INS FOR THE CHEMICAL DISPENSER FAUCET (HB-1) AT 64" AFF DIRECTLY ABOVE THE MOP BASIN FAUCET. SEE ARCHITECTURAL ELEVATION FOR ADDITIONAL INFORMATION.

7 PROVIDE DOMESTIC WATER ROUGH-INS FOR THE CHEMICAL DISPENSER FAUCET (HB-1) AT 52" AFF. SEE ARCHITECTURAL ELEVATION FOR ADDITIONAL INFORMATION.

8 PROVIDE DOMESTIC WATER ROUGH-INS FOR THE VICTORY WASH DISPENSER FAUCET (HB-2) AT 52" AFF. SEE ARCHITECTURAL ELEVATION FOR ADDITIONAL INFORMATION.

9 PROVIDE ROUGH-INS TO RESTROOM HAND SINKS AS SHOWN IN DETAIL 14/P700.

10 CONNECT CHEMICAL DISPENSER TO HB-1. CHEMICAL DISPENSER HAS AN INTEGRAL AIR GAP AS IS SHOWN IN DETAIL 10/P700.

11 PROVIDE ASSE 1016/1070 POINT-OF-USE THERMOSTATIC MIXING VALVE, WATTS LFUSG-B, ON WATER SUPPLY TO KITCHEN HAND SINKS. PROVIDE ANGLE STOP BELOW SINK, FASTEN MIXING VALVE TO WALL, AND MAKE FINAL CONNECTION FROM ANGLE STOPS TO MIXING VALVE AND FROM MIXING VALVE TO FAUCET USING BRAIDED STAINLESS STEEL HOSE. ADJUST MIXING VALVE FOR A DISCHARGE TEMPERATURE OF APPROXIMATELY 110° F.

12 PROVIDE ACCESSIBLE VALVE IN WATER SUPPLY TO FIXTURE AS SHOWN.

13 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.

14 INSTALL RGF IMSB ICE MAKER SANITIZER FURNISHED BY TUV PER CHIPOTLE'S INSTALLATION INSTRUCTIONS.

## WATER PLAN NOTES

15 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.

2/16 PROVIDE 1/2" HOT WATER TO THE DISH MACHINE AT 66" AFF ABOVE LEFT SIDE OF DISH MACHINE, MAKING FINAL CONNECTION USING CONNECTION HOSE FURNISHED WITH DISH MACHINE. PROVIDE WATER HAMMER ARRESTOR ON HOT WATER LINE.

17 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.

18 PROVIDE FILTERED DOMESTIC WATER ROUGH-IN FOR THE SPEED FILL POT FILLER FAUCET (PF-1) AT 40" AFF. SEE ARCHITECTURAL ELEVATION FOR DETAIL.

19 PROVIDE WATER SERVICE ENTRY PER DETAIL 16/P700.

20 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.

21 PENETRATIONS THROUGH SHEAR WALL SHALL BE LIMITED TO 10" DIAMETER (OR A GROUP OF PENETRATIONS ALL CONTAINED WITHIN 10" DIAMETER). IF LARGER PENETRATIONS OR GROUPS OF PENETRATIONS ARE REQUIRED COORDINATE WITH STRUCTURAL ENGINEER FOR APPROPRIATE BRACING. SEE STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATION.

22 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" DISTRIBUITION PIPE(S) TO FLOOR DRAIN TRAP PRIMER CONNECTION(S) AS SHOWN. HORIZONTAL DISTRIBUTION PIPING SHALL HAVE CONTINUOUS SLOPE TO THE FLOOR DRAIN(S).

2/23 PROVIDE WATER SOFTENER WS-1 PER DETAIL 19/P700.

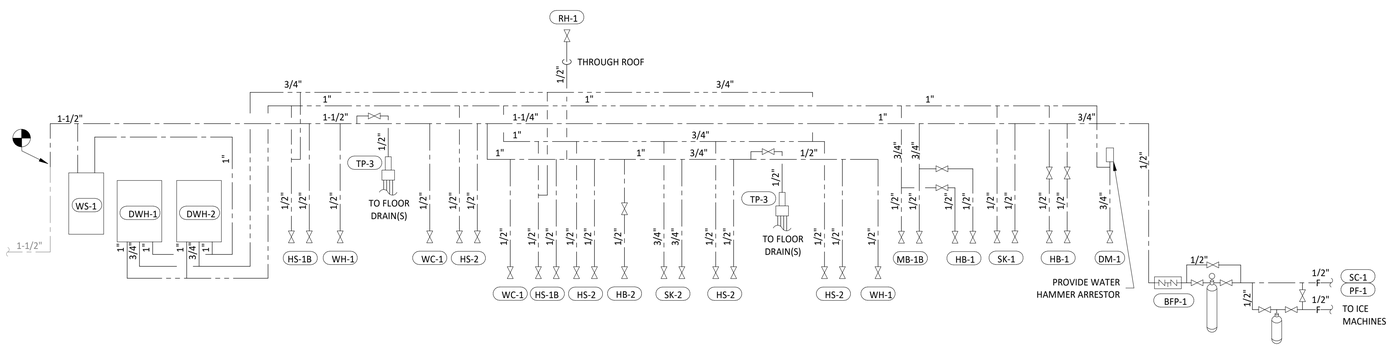
2/24 REPLACE STOCK WATER CLOSET HANDLE WITH UNIVERSAL CABLE-OPERATED HANDLE (FLUSHMATE AP300503 OR AP300504 - FIELD VERIFY COMPATIBILITY WITH FLUSHMATE SYSTEM IN WATER CLOSET).

## PLUMBING FIXTURE SUPPLY CONNECTIONS

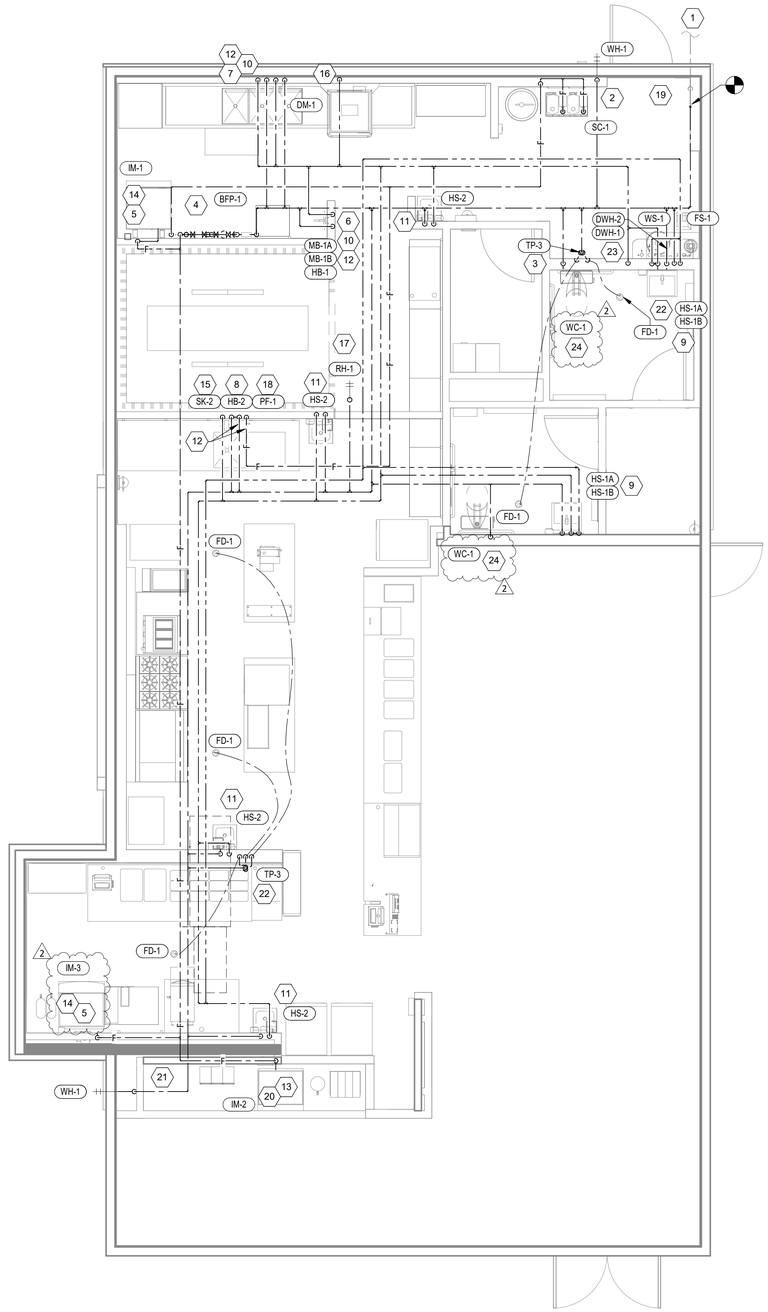
**ROUGH-IN TYPE KEY**

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

| TAG | DESCRIPTION | CONNECTION SIZE CW | CONNECTION SIZE HW | ROUGH-IN TYPE | WSFU CW | WSFU HW | WSFU TOTAL | COUNT | TOTAL WSFU |
|---|---|---|---|---|---|---|---|---|---|
| BFP-1 | RPZ BACKFLOW PREVENTER | 1/2" | | DIRECT | 0 | 0 | 0 | 1 | 0 |
| DM-1 | DISH SANITIZING MACHINE (PUMPED OUTLET) | 0" | 1/2" | HOSE 1/2" | 0 | 3 | 3 | 1 | 3 |
| ET-1 | EXPANSION TANK | 3/4" | | DIRECT | 0 | | 0 | 1 | 0 |
| HB-1 | CHEMICAL DISPENSER HOSE BIB | 1/2" | 1/2" | MIP | 2.25 | 2.25 | 3 | 2 | 6 |
| HB-2 | VEGETABLE WASH HOSE BIB | 1/2" | | MIP | 1.5 | | 1.5 | 1 | 1.5 |
| HS-1B | RESTROOM HAND SINK FAUCET | 1/2" | 1/2" | ANGLE 3/8" | 1.5 | 1.5 | 2 | 2 | 4 |
| HS-2 | KITCHEN HAND SINK | 1/2" | 1/2" | ANGLE 3/8" | 1.5 | 1.5 | 2 | 4 | 8 |
| IM-1 | ICE MAKER - BOH | 1/2" | | HOSE 1/2" | 1 | | 1 | 1 | 1 |
| IM-2 | ICE MAKER - SODA | 1/2" | | HOSE 1/2" | 1 | | 1 | 1 | 1 |
| IM-3 | ICE MAKER - SODA | 1/2" | | HOSE 1/2" | 1 | | 1 | 1 | 1 |
| MB-1B | MOP SINK FAUCET | 1/2" | 1/2" | MIP | 2.25 | 2.25 | 3 | 1 | 3 |
| PF-1 | SPEED FILL FAUCET | 3/8" | | MIP | 1.5 | | 1.5 | 1 | 1.5 |
| RH-1 | FREEZE PROOF ROOF HYDRANT | 3/4" | | DIRECT | 1 | | 1 | 1 | 1 |
| SC-1 | BAG-IN-BOX SODA RACK WITH CARBONATORS | 1/2" | | ANGLE 3/8" | 1 | | 1 | 1 | 1 |
| SK-1 | THREE COMPARTMENT SINK | 1/2" | 1/2" | ANGLE 1/2" | 3 | 3 | 4 | 1 | 4 |
| SK-2 | PREP SINK | 3/4" | 3/4" | ANGLE 3/4" | 3 | 3 | 4 | 1 | 4 |
| TP-3 | TRAP PRIMER (THREE-FOUR FLOOR DRAINS) | 1/2" | | DIRECT | 0 | | 0 | 2 | 0 |
| WC-1 | WATER CLOSET | 1/2" | | ANGLE 3/8" | 2 | | 2 | 2 | 4 |
| WH-1 | FREEZE PROOF WALL HYDRANT | 3/4" | | DIRECT | 1 | | 1 | 2 | 2 |
| WS-1 | WATER SOFTENER | 1" | | DIRECT | 0 | | 0 | 1 | 0 |
| GRAND TOTAL | | | | | | | | | 46 |




2/P100 **PLUMBING SUPPLY DIAGRAM**
NOT TO SCALE




1/P100 **PLUMBING SUPPLY PLAN**
1/4" = 1'-0"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Issue Record:
01/09/2024 PERMIT ISSUE

A Revisions:
2 08/14/24 DB Revs

Drawn: IJD
Checked: AJD

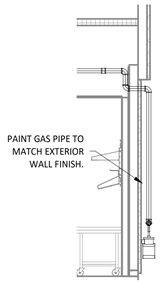
Project No.
231074

Contents:
PLUMBING WATER PLAN

P100

## GAS PLAN NOTES

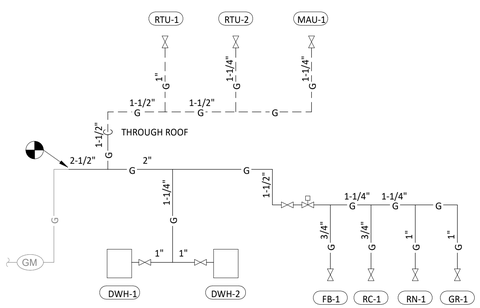
1. CONNECT TO EXISTING GAS METER AND 2-1/2" LINE AS SHOWN.
2. PROVIDE GAS CONNECTIONS TO THE COOKING EQUIPMENT PER DETAIL 7/P700.
3. SUPPORT THE GAS PIPE ON THE ROOF PER DETAIL 5/P700. WOOD BLOCKING IS NOT AN ACCEPTABLE METHOD OF SUPPORTING THE GAS PIPE.
4. PROVIDE ACCESSIBLE LINE-SIZED GAS VALVE, DIRT LEG, AND UNION AT GAS CONNECTION TO THE EQUIPMENT.
5. REFER TO ARCHITECTURAL DRAWINGS FOR PAINTING OF INTERIOR AND EXTERIOR EXPOSED GAS PIPE.
6. PROVIDE KITCHEN EQUIPMENT GAS SHUTOFF 6" BELOW THE CEILING PER DETAIL 4/P700.
7. PROVIDE GAS CONNECTION TO THE RICE COOKER PER DETAIL 6/P700.
8. PROVIDE GAS ROUGH-IN TO FRYER BEHIND RICE COOKER TABLE SO THAT VALVES AND DIRT LEG ARE ACCESSIBLE ONCE FRYER IS SECURED INTO PLACE.



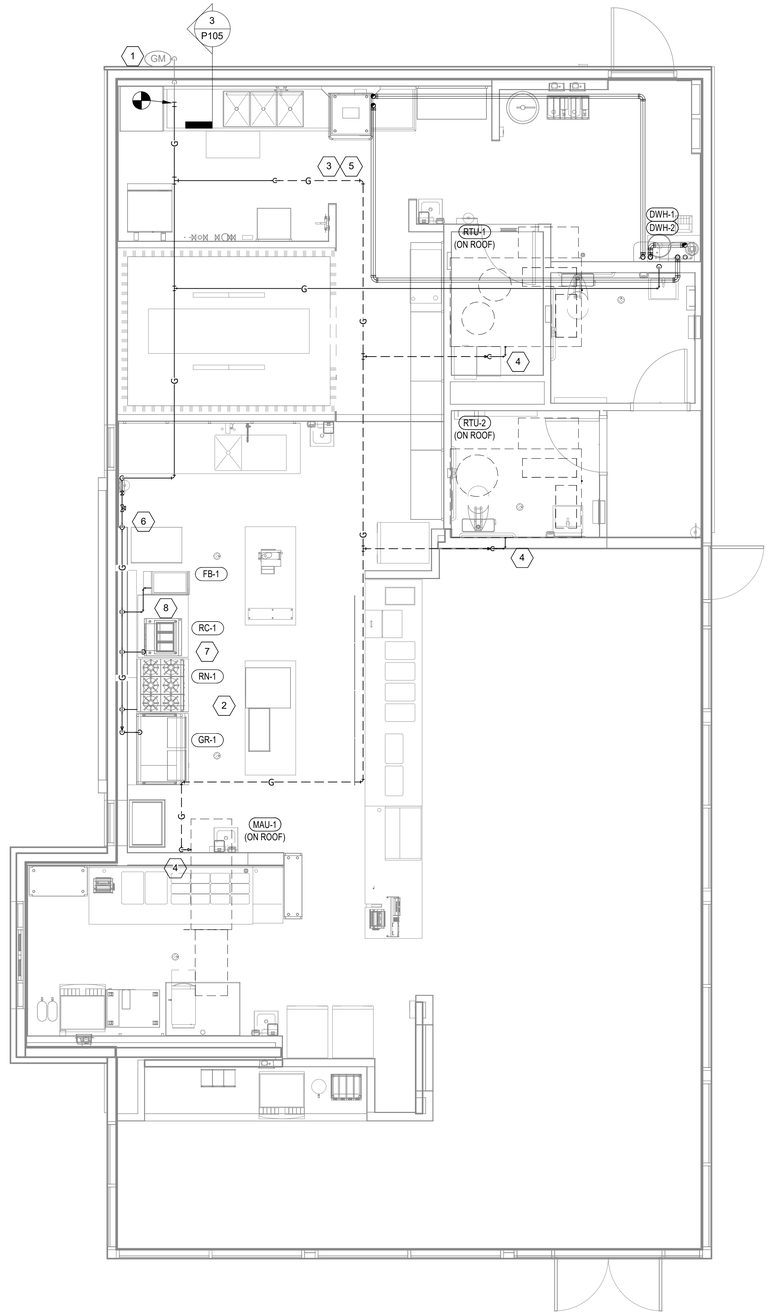

3/P105 **GAS METER SECTION**
NOT TO SCALE

## PLUMBING GAS CONNECTIONS

| TAG | DESCRIPTION | CONNECTION SIZE | EQUIVALENT LENGTH | INPUT |
|---|---|---|---|---|
| DWH-1 | WATER HEATER (GAS TANKLESS) | 3/4" | 70' | 199,000 Btu/h |
| DWH-2 | WATER HEATER (GAS TANKLESS) | 3/4" | 50' | 199,000 Btu/h |
| FB-1 | GAS FRYER | 3/4" | 70' | 90,000 Btu/h |
| GR-1 | GAS GRIDDLE | 3/4" | 80' | 110,000 Btu/h |
| MAU-1 | DIRECT-FIRED MAKEUP AIR UNIT | 1/2" | 100' | 225,000 Btu/h |
| RC-1 | RICE COOKER | 3/4" | 75' | 33,000 Btu/h |
| RN-1 | 6 BURNER RANGE | 3/4" | 80' | 192,000 Btu/h |
| RTU-1 | KITCHEN ROOFTOP UNIT | 3/4" | 65' | 250,000 Btu/h |
| RTU-2 | DINING AREA ROOFTOP UNIT | 3/4" | 75' | 250,000 Btu/h |
| GRAND TOTAL | | | | 1,548,000 Btu/h |




2/P105 **GAS DISTRIBUTION DIAGRAM**
NOT TO SCALE




1/P105 **PLUMBING GAS PLAN**
1/4" = 1'-0"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Issue Record:
01/09/2024 PERMIT ISSUE

Revisions:

Drawn: IJD
Checked: AJD

Project No.
231074

Contents:
PLUMBING GAS PLAN

P105

## PLUMBING FIXTURE WASTE CONNECTIONS

| TAG | DESCRIPTION | CONNECTION SIZE - WASTE | DFU | COUNT | TOTAL DFU |
|---|---|---|---|---|---|
| DM-1 | DISH SANITIZING MACHINE (PUMPED OUTLET) | 5/8" | 7 | 1 | 7 |
| FCO-1 | FLOOR CLEANOUT (3") | 3" | 0 | 3 | 0 |
| FCO-2 | FLOOR CLEANOUT (4") | 4" | 0 | 4 | 0 |
| FD-1 | FLOOR DRAIN | 2" | 2 | 5 | 10 |
| FNL-1 | FUNNEL DRAIN | 2" | 2 | 1 | 2 |
| FS-1 | FLOOR SINK | 3" | 5 | 9 | 45 |
| GI-1 | GREASE INTERCEPTOR | 4" | 0 | 1 | 0 |
| HS-1A | RESTROOM HAND SINK | 2" | 1 | 2 | 2 |
| HS-2 | KITCHEN HAND SINK | 2" | 1 | 4 | 4 |
| MB-1A | MOP BASIN | 3" | 2 | 1 | 2 |
| SK-1 | THREE COMPARTMENT SINK | 2" | 0 | 1 | 0 |
| SK-2 | PREP SINK | 2" | 0 | 1 | 0 |
| TD-1 | TRENCH DRAIN | 2" | 2 | 1 | 2 |
| WC-1 | WATER CLOSET | 3" | 4 | 2 | 8 |
| GRAND TOTAL | | | | | 82 |

## PLUMBING WASTE AND VENT PLAN NOTES

1 PROVIDE 3/4" CONDENSATE DRAIN FROM THE WALK-IN COOLER EVAPORATOR TO THE FLOOR SINK BELOW AS SHOWN. SLOPE CONDENSATE DRAIN A MINIMUM OF 1" PER FOOT. HOLD EXPOSED CONDENSATE DRAIN IN WALK-IN COOLER AS HIGH AS POSSIBLE. CONCEAL DRAIN PIPING WITHIN FRAMED WALLS AS SHOWN. DISCHARGE THROUGH AN AIR GAP. MAKE FINAL CONNECTION TO EVAPORATOR INSIDE WALK-IN COOLER USING A UNION. CONDENSATE DRAIN SHOULD PENETRATE WALL AT POINT OF DISCHARGE AT 8" AFF.

2 PROVIDE 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 NOT USED.

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 AS SHOWN. FIELD VERIFY EXACT LOCATION OF EXISTING.

8 CONNECT TO EXISTING 4" SANITARY SEWER LINE AS SHOWN. FIELD VERIFY EXACT LOCATION OF EXISTING.

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 CONNECT TO EXISTING 2" VENT LINE SERVING EXISTING GREASE INTERCEPTOR. FIELD VERIFY EXACT LOCATION OF EXISTING.

13 DO NOT PROVIDE WALL CLEANOUTS ON TILE OR PUBLICLY-VISIBLE WALLS. IF A WALL CLEANOUT IS REQUIRED ON THESE SURFACE COORDINATE THE EXACT LOCATION WITH CHIPOTLE'S CONSTRUCTION MANAGER.

14 PROVIDE INDIRECT WASTE AND CONDENSATE DRAINS FROM FIXTURES OTHER THAN KITCHEN SINKS CONCEALED IN THE WALL AS SHOWN IN DETAIL 9/P700.

15 PROVIDE DRAIN FROM WATER FILTER BFP TO FLOOR SINK CONCEALED IN THE WALL AS SHOWN IN DETAIL 9/P700.

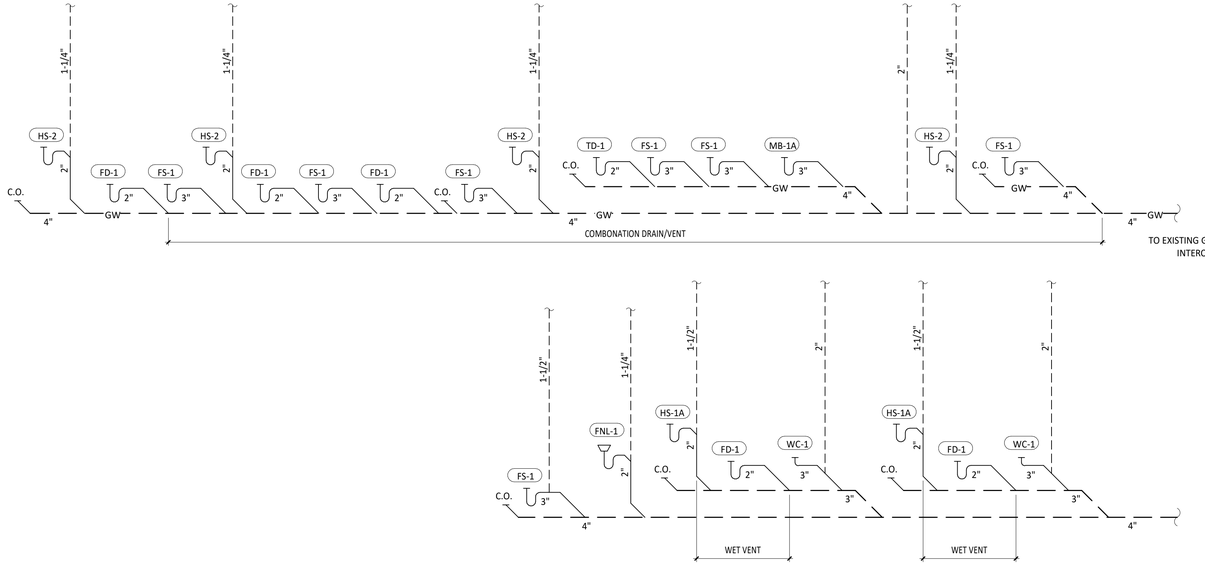
16 PROVIDE TRENCH DRAIN AS SHOWN IN DETAIL 15/P700.

17 INSTALL DRAIN HOSE FURNISHED WITH DISH MACHINE FROM DISH MACHINE OUTLET TO FLOOR SINK. HOLD DRAIN HOSE TIGHT TO WALL AND SECURE TO 3-COMP SINK DRAIN TO MAINTAIN AN AIR GAP AT THE FLOOR SINK.

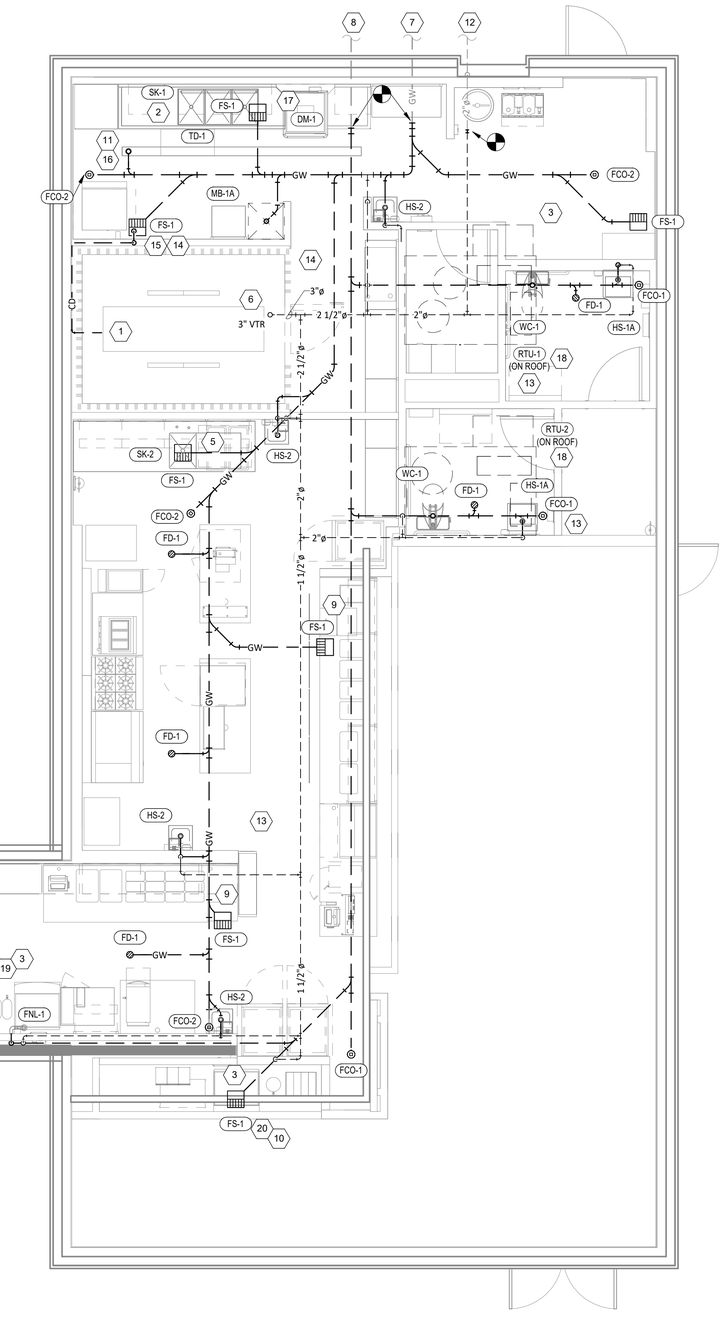
18 PROVIDE CONDENSATE TRAP ON RTU PER DETAIL 13/P700.

19 SEE DETAIL 18/P700 FOR DRAINS FROM TEA TRAY, ICE MAKER, AND SOAD MACHINE TO FUNNEL DRAIN.

20 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.




2 P110 **SANITARY WASTE & VENT DIAGRAM**
NOT TO SCALE




P110 1 **SANITARY WASTE & VENT PLAN**
1/4" = 1'-0"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Issue Record:
01/09/2024 PERMIT ISSUE

Revisions:

Drawn: IJD
Checked: AJD

Project No.
231074

Contents:
PLUMBING PLAN
WASTE & VENT

P110

# PLUMBING FIXTURE SCHEDULE

| TAG | DESCRIPTION | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN | | REMARKS | COUNT | CONNECTION SIZE | | | WATER SUPPLY FIXTURE UNITS | | | DRAINAGE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | MANUFACTURER | MODEL | | | CW | HW | WASTE | CW | HW | TOTAL | FIXTURE UNITS |
| 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" | | | 0 | 0 | 0 | |
| DM-1 | DISH SANITIZING MACHINE (PUMPED OUTLET) | KES | GC | SEE ARCH | -- | CHEMICAL SANITIZING DISH MACHINE WITH INTEGRAL ELECTRIC BOOSTER HEATER AND PUMPED OUTLET | 1 | 0" | 1/2" | 5/8" | 0 | 3 | 3 | 7 |
| ET-1 | EXPANSION TANK | GC | GC | AMTROL | ST-5 | 2 GALLON CAPACITY | 1 | 3/4" | | | 0 | | 0 | |
| FB-1 | GAS FRYER | KES | GC | SEE ARCH | -- | | 1 | | | | | | | |
| FCO-1 | FLOOR CLEANOUT (3") | GC | GC | SIOUX CHIEF | 852-3PNR | ON-GRADE ADJUSTABLE CLEANOUT WITH INTERNAL THREADED CLEANOUT PLUG AND ROUND NICKEL-BRONZE RING AND COVER (OR APPROVED EQUAL WITH INTERNAL THREADED CLEANOUT PLUG) | 3 | | | 3" | | | | 0 |
| FCO-2 | FLOOR CLEANOUT (4") | GC | GC | SIOUX CHIEF | 852-4PNR | ON-GRADE ADJUSTABLE CLEANOUT WITH INTERNAL THREADED CLEANOUT PLUG AND ROUND NICKEL-BRONZE RING AND COVER (OR APPROVED EQUAL WITH INTERNAL THREADED CLEANOUT PLUG) | 4 | | | 4" | | | | 0 |
| FD-1 | FLOOR DRAIN | GC | GC | SIOUX CHIEF | 842-2-PNR | ADJUSTABLE FLOOR DRAIN WITH PVC BODY, ROUND POLISHED METAL RING AND STRAINER, AND TRAP PRIMER PORT | 5 | 1/2" | | 2" | | | | 2 |
| FNL-1 | FUNNEL DRAIN | GC | GC | JAY R. SMITH | 3823T | FUNNEL DRAIN WITH CAST BRONZE BODY AND THREADED OUTLET | 1 | | | 2" | | | | 2 |
| FS-1 | FLOOR SINK | GC | GC | SIOUX CHIEF | 861-3PU2 | HEAVY DUTY PVC FLOOR SINK WITH ALUMINUM DOME BOTTOM STRAINER AND OPEN HALF PVC GRATE | 9 | | | 3" | | | | 5 |
| GR-1 | GAS GRIDDLE | KES | GC | SEE ARCH | -- | | 1 | | | | | | | |
| HB-1 | CHEMICAL DISPENSER HOSE BIB | KES | GC | SEE ARCH | -- | COMMERCIAL QUALITY HOT & COLD MIXING WALL HYDRANT. SUPPLY ARMS SHALL HAVE INTEGRAL SHUT-OFF STOP AND CHECK VALVE. FAUCET HAS FEMALE NPT INLETS. | 2 | 1/2" | 1/2" | | 2.25 | 2.25 | 3 | |
| HB-2 | VEGETABLE WASH HOSE BIB | KES | GC | SEE ARCH | -- | SILL FAUCET WITH NPT FEMALE INLET 2 | 1 | 1/2" | | | 1.5 | | 1.5 | |
| HS-1A | RESTROOM HAND SINK | GC | GC | AMERICAN STANDARD | 9024.001EC | ADA-ACCESSIBLE, WALL-MOUNTED, PORCELAIN LAVATORY. PROVIDE ZURN Z1231 (Z1231-D FOR BACK-TO-BACK APPLICATIONS) CONCEALED ARM CARRIER IN WALL. APPROVED ALTERNATE: KOHLER K-2084 | 2 | | | 2" | | | | 1 |
| HS-1B | RESTROOM HAND SINK FAUCET | KES | GC | SEE ARCH | -- | PLUG-IN AUTOMATIC FAUCET WITH 0.5 GPM AERATOR AND THERMOSTATIC MIXING VALVE. ADJUST FAUCET CONTROLS FOR 10 SECOND SHUTOFF DELAY AND 30 SECOND TIME-OUT DELAY. | 2 | 1/2" | 1/2" | | 1.5 | 1.5 | 2 | |
| HS-2 | KITCHEN HAND SINK | KES | GC | SEE ARCH | -- | STAINLESS STEEL SINK WITH WALL MOUNTING BRACKET AND BACKSPLASH MOUNTED FAUCET WITH SWIVEL GOOSENECK 2 | 4 | 1/2" | 1/2" | 2" | 1.5 | 1.5 | 2 | 1 |
| IM-1 | ICE MAKER - BOH | KES | KES | SEE ARCH | -- | BACK OF HOUSE ICE MAKER WITH BIN (STANDARD CAPACITY REMOTE AIR COOLED) | 1 | 1/2" | | | 1 | | 1 | |
| IM-2 | ICE MAKER - SODA | KES | KES | SEE ARCH | -- | SODA MACHINE-MOUNTED ICE MACHINE (INTEGRAL AIR COOLED) | 1 | 1/2" | | | 1 | | 1 | |
| IM-3 | ICE MAKER - SODA | KES | KES | SEE ARCH | -- | SODA MACHINE-MOUNTED ICE MACHINE (REMOTE AIR COOLED) | 1 | 1/2" | | | 1 | | 1 | |
| MB-1A | MOP BASIN | GC | GC | FIAT | MSB2424 | PROVIDE 24"x24"x10" MOLDED-STONE MOP BASIN. INSTALL MOP BASIN IN A BED OF GROUT SO THERE ARE NO VOIDS BETWEEN THE MOP BASIN AND THE SLAB. | 1 | | | 3" | | | | 2 |
| MB-1B | MOP SINK FAUCET | KES | GC | SEE ARCH | -- | SERVICE SINK FAUCET WITH BUILT IN STOPS, LEVER HANDLES, WALL BRACE, AND NPT FEMALE INLETS | 1 | 1/2" | 1/2" | | 2.25 | 2.25 | 3 | |
| PF-1 | SPEED FILL FAUCET | KES | GC | SEE ARCH | -- | WALL-MOUNTED POT FILLER W/ SELF-CLOSING FILLER VALVE AND NPT FEMALE INLET | 1 | 3/8" | | | 1.5 | | 1.5 | |
| RC-1 | RICE COOKER | KES | GC | SEE ARCH | -- | | 1 | | | | | | | |
| 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 | | 1 | |
| RN-1 | 6 BURNER RANGE | KES | GC | SEE ARCH | -- | | 1 | | | | | | | |
| SC-1 | BAG-IN-BOX SODA RACK WITH CARBONATORS | SPS | SPS | SEE ARCH | -- | SODA CARBONATOR(S) SHALL HAVE AN INTEGRAL ASSE 1022-RATED CARBONATED BEVERAGE BACKFLOW PREVENTION DEVICE. | 1 | 1/2" | | | 1 | | 1 | |
| SK-1 | THREE COMPARTMENT SINK | KES | GC | SEE ARCH | -- | THREE-COMPARTMENT WARE-WASHING SINK FURNISHED WITH (1) PRE-RINSE UNIT WITH ADD-ON FAUCET | 1 | 1/2" | 1/2" | 2" | 3 | 3 | 4 | 0 |
| SK-2 | PREP SINK | KES | GC | SEE ARCH | -- | STAINLESS STEEL PREP TABLE WITH INTEGRAL PREP SINK. FURNISHED WITH "BIG FLO" FAUCET | 1 | 3/4" | 3/4" | 2" | 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 ON SHEET P700 FOR REDUCTION TO 2" DRAIN CONNECTION. | 1 | | | 2" | | | | 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 | |
| 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" | 2 | | 2 | 4 |
| WH-1 | FREEZE PROOF WALL HYDRANT | GC | GC | WOODFORD | MODEL 65 | AUTOMATIC DRAINING, FREEZELESS WALL HYDRANT WITH ANTI-SIPHON VACUUM BREAKER. PROVIDE WITH STEM LONG ENOUGH TO REACH INSIDE THE THERMAL ENVELOPE OF THE BUILDING. | 2 | 3/4" | | | 1 | | 1 | |
| WS-1 | WATER SOFTENER | KES | GC | CUNO | CFSM1254E | POINT OF ENTRY HIGH CAPACITY WATER TREATMENT SYSTEM. PROVIDE STARTUP PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. | 1 | 1" | | | 0 | | 0 | |

# WATER HEATER SCHEDULE

| TAG | DESCRIPTION | NATURAL GAS | | ELECTRICAL | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | INPUT | CONNECTION SIZE | V/P/H | | | MANUFACTURER | MODEL | |
| DWH-1 | WATER HEATER (GAS TANKLESS) | 199,000 Btu/h | 3/4" | 120/1/60 | GC | GC | NAVIEN | NPE-240A2 | RATED FLOW RATE: 5.6 GPM @ 67°F RISE<br>THERMAL EFFICIENCY: 96%<br>PROVIDE WITH LEAD FREE "PLUMB EASY VALVE SET". GC SHALL PURCHASE WATER HEATER DIRECTLY THROUGH A NAVIEN AUTHORIZED DISTRIBUTOR (1-800-519-8794 OR WWW.NAVIEN.COM TO LOCATE AUTHORIZED DISTRIBUTOR). |
| DWH-2 | WATER HEATER (GAS TANKLESS) | 199,000 Btu/h | 3/4" | 120/1/60 | GC | GC | NAVIEN | NPE-240A2 | RATED FLOW RATE: 5.6 GPM @ 67°F RISE<br>THERMAL EFFICIENCY: 96%<br>PROVIDE WITH LEAD FREE "PLUMB EASY VALVE SET". GC SHALL PURCHASE WATER HEATER DIRECTLY THROUGH A NAVIEN AUTHORIZED DISTRIBUTOR (1-800-519-8794 OR WWW.NAVIEN.COM TO LOCATE AUTHORIZED DISTRIBUTOR). |


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Issue Record:
01/09/2024 PERMIT ISSUE

Revisions:
2 08/14/24 DB Revs

Drawn: IJD
Checked: AJD

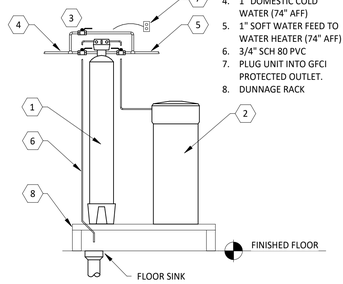
Project No.
231074

Contents:
PLUMBING SCHEDULES

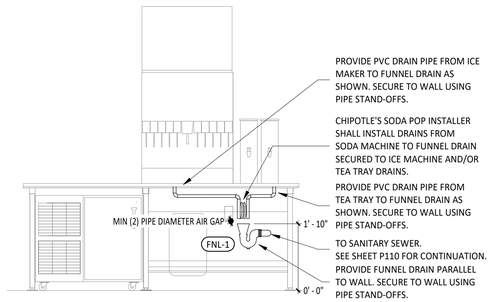
P600

**SOFTENER DETAIL NOTES**

1. RESIN TANK
2. BRINE TANK
3. 1" BALL VALVE
4. 1" DOMESTIC COLD WATER (74" AFF)
5. 1" SOFT WATER FEED TO WATER HEATER (74" AFF)
6. 3/4" SCH 80 PVC
7. PLUG UNIT INTO GFCI PROTECTED OUTLET.
8. DUNNAGE RACK




## 19 / P700 WATER SOFTENER DETAIL
NOT TO SCALE




## 18 / P700 PUW FUNNEL DRAIN DETAIL
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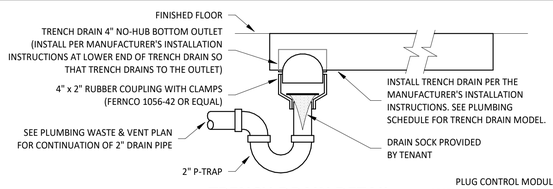


## 15 / P700 TRENCH DRAIN DETAIL
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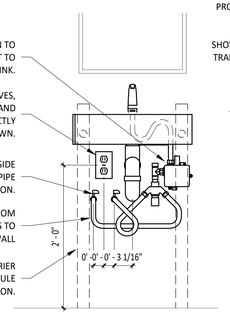
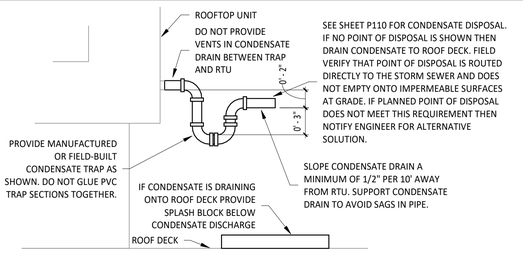
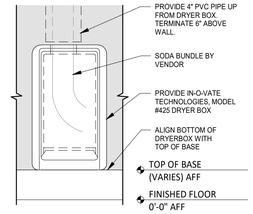


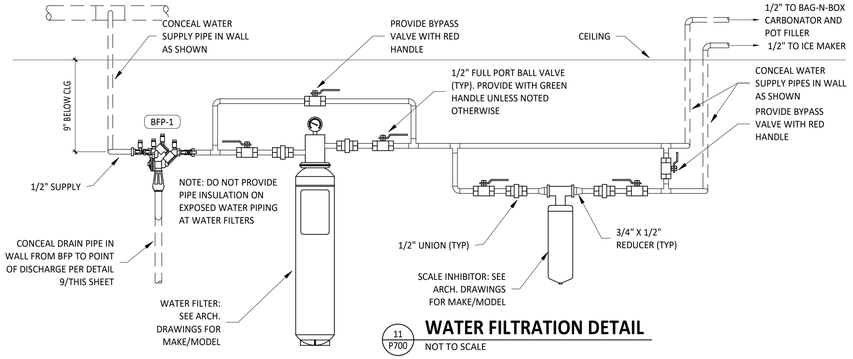

## 14 / P700 RESTROOM HAND SINK DETAIL
NOT TO SCALE



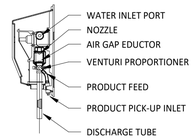

## 13 / P700 RTU CONDENSATE TRAP DETAIL
NOT TO SCALE



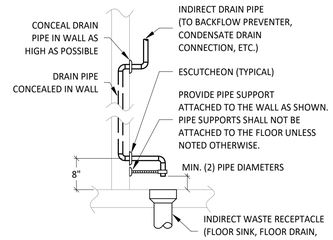

## 12 / P700 SODA TERMINATION DETAIL
NOT TO SCALE



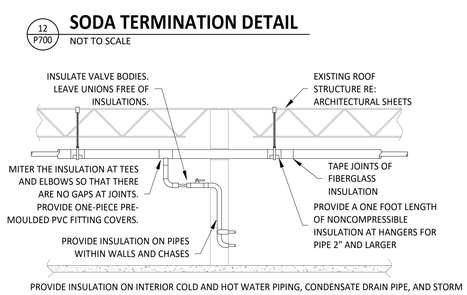

## 11 / P700 WATER FILTRATION DETAIL
NOT TO SCALE




## 10 / P700 CHEMICAL DISPENSER DETAIL
NOT TO SCALE

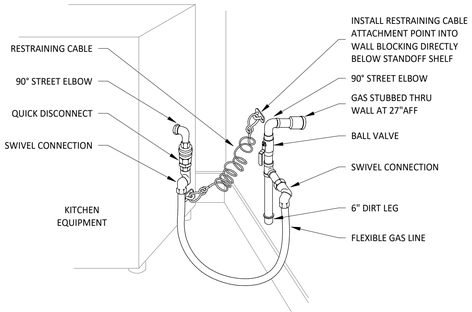



## 9 / P700 INDIRECT WASTE PIPING DETAIL
NOT TO SCALE



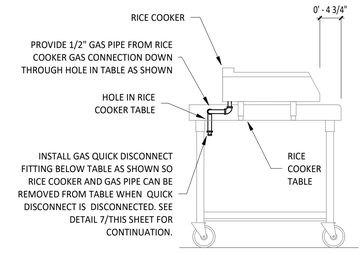

PROVIDE INSULATION ON INTERIOR COLD AND HOT WATER PIPING, CONDENSATE DRAIN PIPE, AND STORM PIPE. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION REGARDING INSULATION. INSTALL ITEMS PER SPECIFICATIONS AND MANUFACTURER'S INSTRUCTIONS. MAINTAIN VAPOR BARRIER ON COLD WATER AND CONDENSATE PIPING BY MEANS OF SEALANT AND TAPE. FLAME SPREAD AND SMOKE-DEVELOPED INDEXES SHALL NOT EXCEED 25/50. SEAL EXPOSED ENDS OF FIBERGLASS INSULATION WITH ADHESIVE MASTIC. UNLESS NOTED OTHERWISE PROVIDE PREFORMED GLASS FIBER PIPE INSULATION WITH PRE-MOLDED PVC JACKETS, SLEEVES, AND FITTING COVERS ON EXPOSED WATER PIPE SO THAT EXPOSED WATER PIPE IS COVERED ENTIRELY WITH PVC INSULATION COVERS.

## 8 / P700 PIPE INSULATION DETAIL
NOT TO SCALE

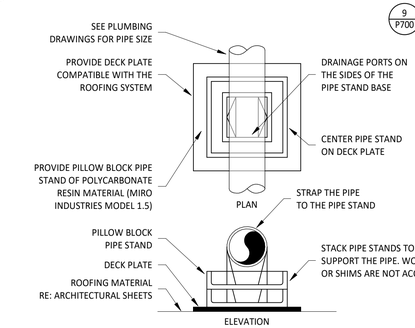



ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT ACTUAL CONDITIONS. MAKE FINAL CONNECTION TO EQUIPMENT AS RECOMMENDED BY MANUFACTURER. PROVIDE WELDED FITTINGS/JOINTS IN ANY CONCEALED, UNSLEEVED LOCATION.

## 7 / P700 KITCHEN GAS EQUIPMENT DETAIL
NOT TO SCALE

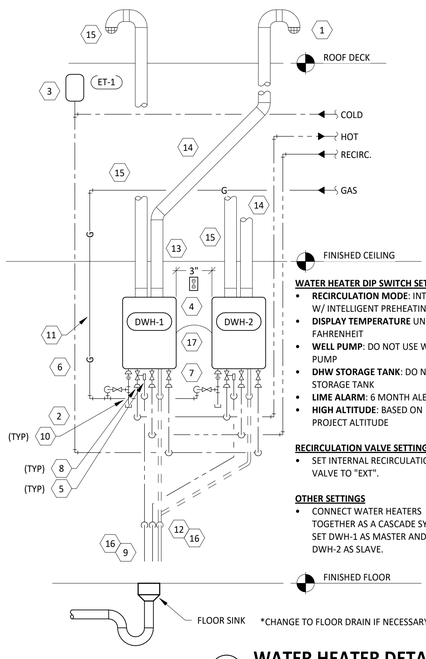



## 6 / P700 RICE COOKER GAS CONNECTION DETAIL
NOT TO SCALE




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.

## 5 / P700 ROOFTOP PIPING SUPPORT
NOT TO SCALE




**WATER HEATER DIP SWITCH SETTINGS**

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

**RECIRCULATION VALVE SETTING**

- SET INTERNAL RECIRCULATION VALVE TO "EXT".

**OTHER SETTINGS**

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

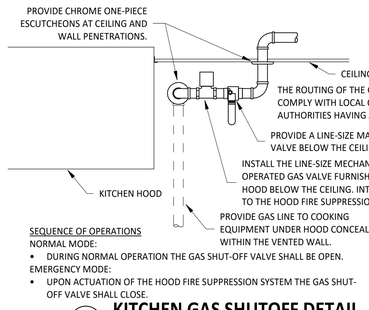
**WATER HEATER DETAIL NOTES**

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 POINT OF DISCHARGE. 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 COMMON VENT SYSTEM THEN PROVIDE THE NAVIEN COMMON VENT COLLAR KIT WITH BACK-DRAFT DAMPER PER THE MANUFACTURER'S INSTALLAION MANUAL.

**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.

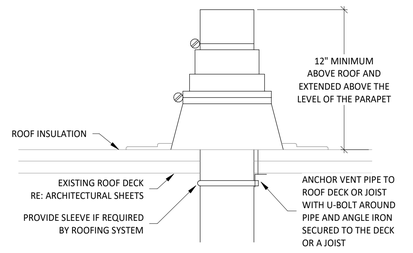
## 1 / P700 WATER HEATER DETAIL
NOT TO SCALE




SEQUENCE OF OPERATIONS
NORMAL MODE:
- DURING NORMAL OPERATION THE GAS SHUT-OFF VALVE SHALL BE OPEN.

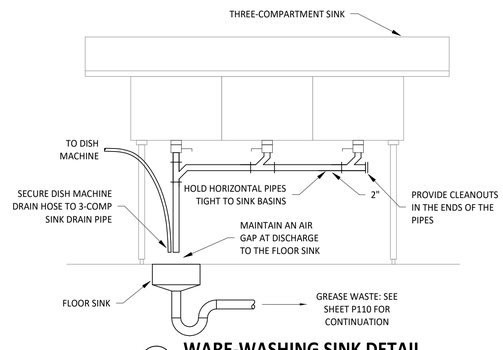
EMERGENCY MODE:
- UPON ACTUATION OF THE HOOD FIRE SUPPRESSION SYSTEM THE GAS SHUT-OFF VALVE SHALL CLOSE.

## 4 / P700 KITCHEN GAS SHUTOFF DETAIL
NOT TO SCALE




REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VTR MINIMUM TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, AND ONE FOOT FROM ANY VERTICAL SURFACE. PROVIDE 1" FIBERGLASS INSULATION WITH ALL-SERVICE JACKET ON VENT PIPE INSIDE BUILDING WITHIN SIX FEET OF VENT THRU ROOF LOCATION. FLASHING AND COUNTER FLASHING ARE TO BE COMPATIBLE WITH THE ROOFING SYSTEM.

## 3 / P700 VENT THROUGH ROOF
NOT TO SCALE




## 2 / P700 WARE-WASHING SINK DETAIL
NOT TO SCALE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8-14-2024


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Issue Record:
01/09/2024 PERMIT ISSUE

Revisions:

Drawn: IJD
Checked: AJD

Project No.
231074

Contents:
PLUMBING DETAILS

P700

SECTION 16011 TEMPORARY & PERMANENT ELECTRICAL SERVICE
PART 1 GENERAL
1.1 DEFINITIONS
A. GFCI: Ground fault current interrupter.
B. RMS: Root Mean Square
C. SPDT: Single Pole, Double Throw
1.2 USE CHARGES
A. General: Cost or use charges for temporary facilities are not chargeable to Tenant, Architect, or Engineer and shall be included in the Contract Sum. Allow other entities to use temporary services and facilities without cost, including, but not limited to, the following:
1. Tenant's construction forces.
2. Occupants of Project.
3. Architect.
4. Engineer.
5. Testing agencies.
6. Personnel of authorities having jurisdiction.
B. Permanent Service: Coordinate with building Tenant and utility company to establish permanent service upon completion of the project. Contractor shall pay for all permits, aid-to-construction charges, and related fees associated with the new service.
1.3 NOTIFICATION
A. Coordinate with Tenant to provide 72 hour written notification to other tenants of any power interruptions. Notification shall state the estimated time and duration of the electrical outage.
1.4 QUALITY ASSURANCE
A. Standards: Comply with ANSI A10.6, NECA's 'Temporary Electrical Facilities," and NFPA 241.
1. Trade Jurisdictions: Assigned responsibilities for installation and operation of temporary utilities are not intended to interfere with trade regulations and union jurisdictions.
2. Electric Service: Comply with NECA, NEMA and UL standards and regulations for temporary electric service. Install service to comply with NFPA 70.
3. Comply with 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 conditions of installed location.
1. Outdoor Locations: NEMA 250, Type 3R.
PART 3 EXECUTION
3.1 INSTALLATION
A. Electric Power Service: Provide weatherproof, grounded electric power service and distribution system of sufficient size, capacity, and power characteristics during construction period. Include meters, transformers, and overload-protected disconnecting means.
1. Install power distribution wiring overhead and rise vertically where least exposed to damage.
B. Electric Distribution: Provide receptacle outlets adequate for connection of power tools and equipment.
1. Provide waterproof connectors to connect separate lengths of electrical power cords if single lengths will not reach areas where construction activities are in progress. Do not exceed safe length-voltage ratio.
2. Provide metal conduit, tubing, or metallic cable for wiring exposed to possible damage. Provide rigid steel conduits for wiring exposed on grades, floors, decks, or other traffic areas.
3. Provide metal conduit enclosures or boxes for wiring devices.
4. Provide 4-gang outlets, spaced so 1 DO-foot (30-m) 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.
1. Install and operate temporary lighting that fulfills security and protection requirements without operating entire system.
2. Provide one 100-W incandescent lamp (or equivalent) every 50 feet (15 m) in traffic areas.
3. Install exterior-yard site lighting that will provide adequate illumination for construction operations, parking and traffic conditions, and signage visibility when the Work is being performed.
END OF SECTION 16011

SECTION 16060 - GROUNDING AND BONDING
PART 1 - GENERAL
1.1 SUMMARY
A. This Section includes grounding of electrical systems and equipment. Grounding requirements specified in this Section may be supplemented by special requirements of systems described in other Sections.
1.2 QUALITY ASSURANCE
A. Testing Agency Qualifications: Testing agency as defined by OSHA in 29 CFR 1910.7 or a member company of the International Electrical Testing Association and that is acceptable to authorities having jurisdiction.
1. Testing Agency's Field Supervisor: Person currently certified by the International Electrical Testing Association to supervise on-site testing specified in Part 3.
B. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
1. Comply with UL 467.
PART 2 - PRODUCTS
2.1 GROUNDING CONDUCTORS
A. For insulated conductors, comply with Division 16 Section "Wiring Methods."
B. Material: Copper.
C. Equipment Grounding Conductors: Insulated with green-colored insulation.
D. Grounding Electrode Conductors: Stranded cable.
E. Bare Copper Conductors: Comply with the following:
1. Solid Conductors: ASTM B 3.
2. Assembly of Stranded Conductors: ASTM B 8.
2.2 CONNECTOR PRODUCTS
A. Comply with IEEE 837 and UL 467; listed for use for specific types, sizes, and combinations of conductors and connected items.
PART 3 - EXECUTION
3.1 APPLICATION
A. Use only copper conductors.
B. In raceways, use insulated equipment grounding conductors.
C. Equipment Grounding Conductor Terminations: Use bolted pressure clamps.
D. Grounding Bus: Install in electrical and telephone equipment rooms, in rooms housing service equipment, and elsewhere as indicated.
1. Use insulated spacer; space 1 inch from wall and support from wall 6 inches above finished floor, unless otherwise indicated.
2. At doors, route the bus up to the top of the door frame, across the top of the doorway, and down to the specified height above the floor.
3.2 EQUIPMENT GROUNDING CONDUCTORS
A. Comply with NFPA 70, Article 250, for types, sizes, and quantities of equipment grounding conductors, unless specific types, larger sizes, or more conductors than required by NFPA 70 are indicated.
3.3 INSTALLATION
A. Grounding Conductors: Route along shortest and straightest paths possible, unless otherwise indicated. Avoid obstructing access or placing conductors where they may be subjected to strain, impact, or damage.
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 Device Boxes: Sheet metal boxes, except use cast-metal boxes at exterior, interior exposed, and interior damp locations.
C. Pull and Junction Boxes: Sheet metal boxes, except use nonmetallic boxes with gasketed covers at exterior and interior damp locations.
2.3 ENCLOSURES
A. Hinged-Cover Enclosures: NEMA 250, steel enclosure with continuous hinge cover and flush latch. Finish inside and out with manufacturer's standard enamel.
B. Cabinets: NEMA 250, Type 1, unless otherwise indicated.
PART 3 - EXECUTION
3.1 INSTALLATION
A. Install wires and cables according to the NECA's "Standard of Installation.
B. Wiring at Outlets: Install with at least 12 inches of slack conductor at each outlet.
C. Conceal wiring, unless otherwise indicated, within finished walls, ceilings, and floors.
D. Boxes and Enclosures: In damp or wet locations use NEMA 250, Type 4, stainless steel.
E. Use raceway fittings compatible with raceway and suitable for use and location. For intermediate metal conduit, use threaded rigid steel conduit fittings, unless otherwise indicated.
F. Raceways Embedded in Slabs: Install in middle third of the slab thickness where practical, and leave at least 1 -inch concrete cover.
G. Install exposed raceways parallel to or at right angles to nearby surfaces or structural members, and follow the surface contours as much as practical.
H. Join raceways with fittings designed and approved for the purpose and make joints tight. Use bonding bushings or wedges at connections subject to vibration. Use bonding jumpers where joints cannot be made tight. Use insulating 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:
1. Bands: Pretensioned, snap-around, colored plastic sleeves or colored encircling conduit, and place adjacent bands of two-color markings in contact, side by side.
2. Band Locations: At changes in direction, at penetrations of walls and floors, at 50-foot maximum intervals in straight runs, and at 25-foot maximum intervals in congested areas.
3. Colors: As follows:
a. Telecommunication System: Green and yellow.
D. Color-code System secondary service, feeder, and branch-circuit conductors throughout the secondary electrical system as follows:

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

END OF SECTION 16100

SECTION 16140 - WIRING DEVICES
PART 1 - GENERAL
1.1 SECTION REQUIREMENTS
A. Submittals: None.
B. Comply with NEMA WD 1.
C. Comply with NFPA 70.
PART 2 - PRODUCTS
2.1 DEVICES
A. General: Listed and labeled as defined in NFPA 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

**CA GENERAL REQUIREMENTS:**
**A. All work to comply with the 2013 CEC.**
**B. All equipment to be listed by a recognized testing lab.**
**C. Light fixture in contact with the insulation to be UL listed for thermal barrier or provide 3" minimum clearance.**
**D. Panel circuit directory to comply with Sect. 408.4, CEC.**
**E. WP conver of outlets to comply with Sect. 406.9(B)(1), CEC.**
**F. Size of pull and junction boxes shall comply with Sect. 314.28, CEC.**
**G. Mount the following above finish floor:**
**Outlets - 15" to 48"**
**Switches - 36" to 48"**
**Thermostats - 36" to 48"**
***Measured from bottom and to of boxes respectively**

## 20A WIRE SIZING SCHEDULE (VOLTAGE DROP)

ALL WIRE SIZES SHOWN ON BELOW SCHEDULE ARE INTENDED TO BE MINIMUM ACCEPTABLE WIRE SIZE

THE FOLLOWING SCHEDULE IS TO BE USED TO SIZE WIRE FOR 20 AMP CIRCUITS (120 VOLT).
LENGTHS (ONE WAY) ARE INTENDED TO BE MAXIMUM.

### 120 VOLT CIRCUIT MAX LENGTH (FT)

| MAX AMPS | MAX WATTS | WIRE SIZE #12 | #10 | #8 | #6 |
|---|---|---|---|---|---|
| 5 | 600 | 200 | 325 | 490 | 770 |
| 10 | 1200 | 100 | 160 | 245 | 385 |
| 15 | 1800 | 70 | 110 | 165 | 255 |
| | | | | | |

SECTION 16442 - PANELBOARDS
PART 1 - GENERAL
1.1 SECTION REQUIREMENTS
A. Submittals: None.
B. Comply with NFPA 70.
C. Comply with NEMA PB 1.
PART 2 - PRODUCTS
2.1 PANELBOARDS AND LOAD CENTERS
A. Manufacturers: Subject to compliance with requirement, provide products by one of the following:
1. Panelboards, Overcurrent Protective Devices, Controllers, Contactors, and Accessories:
a. Square D Co.
b. Eaton Corp.; Cutler-Hammer Products.
c. General Electric Co.; Electrical Distribution & Control Div.
d. Siemens Energy & Automation.
B. Recessed, NEMA PB 1, Type 1.
1. Load Center Capacity: as shown on drawings.
2. Front: Secured to box with concealed trim clamps.
3. Doors: With concealed hinges, flush catches, and tumbler locks, all keyed alike.
4. Bus: Hard drawn copper of 98 percent conductivity.
C. Molded-Case Circuit Breakers: NEMA AB 1, plug-in type, Single-handle for multipole 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, permantently-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
- A-6 — HOME-RUN TO PANELBOARD AND CIRCUIT NUMBER SHOWN
- # — PLAN NOTE: SEE PLAN NOTES LISTED ON THE SAME SHEET FOR NOTE MEANING
- X/Y/Z — DISCONNECT SWITCH: X = SWITCH RATING; Y = FUSE SIZE (NF = NON-FUSED); Z = NUMBER OF POLES
- JUNCTION BOX
- ELECTRIC PANELBOARD
- $ — GENERAL PURPOSE 1-POLE SWITCH
- $M — MANUAL STARTER WITH PILOT LIGHT
- NEMA 5-20R 1-PLEX RECEPTACLE
- NEMA 5-20R DUPLEX RECEPTACLE
- NEMA 5-20R DUPLEX GFCI RECEPTACLE
- NEMA 5-20R DOUBLE-DUPLEX RECEPTACLES
- IG/GFI — NEMA 5-20R DUPLEX COMBINATION ISOLATED GROUND/GFI RECEPTACLE PASS & SEYMOUR MODEL#2095IGTRGRY (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.
- JUNCTION BOX FOR RJ-11 TELEPHONE OUTLETS. PROVIDE 1" CONDUIT WITH PULL STRING FROM J-BOX TO ABOVE OFFICE CEILING. TERMINATE CONDUIT WITH CONDUIT BUSHING.
- 2 / KP — SECURITY SYSTEM KEYPAD: SEE ELECTRICAL POWER PLAN FOR MORE INFORMATION.
- DC — SECURITY SYSTEM DOOR CONTACT: SEE ELECTRICAL POWER PLAN FOR MORE INFORMATION.

## 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.
2 / L IF THERE ARE RATED ASSEMBLIES WITHIN CHIPOTLE'S SPACE, THEN COORDINATE ANY REQUIRED CONDUIT RUNS WITH SECURITY VENDOR.

## ELECTRICAL MATERIAL SCHEDULE

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

## ELECTRICAL ABBREVIATIONS

| | |
|---|---|
| (E) | EXISTING |
| ABV | ABOVE |
| ADA | AMERICANS WITH DISABILITIES ACT |
| AFF | ABOVE FINISHED FLOOR |
| AFG | ABOVE FINISHED GRADE |
| AHJ | AUTHORITY HAVING JURISDICTION |
| BFF | BELOW FINISHED FLOOR |
| BFG | BELOW FINISHED GRADE |
| BOH | BACK OF HOUSE |
| CLG | CEILING |
| CTE | CONNECT TO EXISTING |
| DN | DOWN |
| EXG | EXISTING |
| FLR | FLOOR |
| FOH | FRONT OF HOUSE |
| GFCI | GROUND FAULT CURRENT INTERRUPTER |
| GYP | GYPSUM BOARD |
| IG | ISOLATED GROUND |
| MSS | TENANT'S MUSIC SYSTEM SUPPLIER |
| NF | NON-FUSED |
| NL | NIGHT LIGHT |
| NTS | NOT TO SCALE |
| O/H | OVERHEAD |
| TYP | TYPICAL |
| U/G | UNDERGROUND |
| UNO | UNLESS NOTED OTHERWISE |
| W/ | WITH |
| WIC | WALK-IN COOLER |
| WP | WEATHERPROOF |
| | |
| CO2AS | TENANT'S CO2 ALARM SUPPLIER |
| GC | GENERAL CONTRACTOR |
| HES | TENANT'S HVAC EQUIPMENT SUPPLIER |
| HS | TENANT'S HOOD SUPPLIER |
| KES | TENANT'S KITCHEN EQUIPMENT SUPPLIER |
| LL | LANDLORD |
| SPS | TENANT'S SODA POP SUPPLIER |
| TAB | TENANT'S TEST AND BALANCE VENDOR |
| TCC | TENANT'S CABLING CONTRACTOR |
| TDC | TENANT'S DUCT CLEANER |
| TEMS | TENANT'S ENERGY MANAGEMENT SYSTEM SUPPLIER |
| TLS | TENANT'S LIGHT/LAMP SUPPLIER |
| TMB | TENANT'S MENU BOARD SUPPLIER |
| TMS | TENANT'S MILLWORK SUPPLIER |
| TP | TENANT'S PHONE SUPPLIER |
| TPS | TENANT'S PANELBOARD SUPPLIER |
| TRS | TENANT'S RAILING SUPPLIER |
| TSV | TENANT'S SIGN VENDOR |
| TUV | TENANT'S UV SNAITIZER SUPPLIER |
| WCS | TENANT'S WALK-IN COOLER SUPPLIER |
| WHS | TENANT'S WATER HEATER SUPPLIER |

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Issue Record:
01/09/2024 PERMIT ISSUE

Revisions:
2 08/14/24 DB Revs

Drawn: IJD
Checked: AJD

Project No.
231074

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 | 10:00:00 AM | 12:00:00 AM | N/A | SINGLE POLE (NC) |
| R2 | A | 32 | KITCHEN B | TIMECLOCK | 7:00:00 AM | 12:00:00 AM | N/A | SINGLE POLE (NC) |
| R3 | | | SPARE | | | | | SINGLE POLE (NC) |
| R4 | A | 30 | DINING A | TIMECLOCK | 7:00:00 AM | 12:00:00 AM | N/A | SINGLE POLE (NC) |
| R5 | A | 30 | DINING B | TIMECLOCK | 10:00:00 AM | 12:00:00 AM | N/A | SINGLE POLE (NC) |
| R6 | A | 30 | DINING DL | TIMECLOCK | 7:00:00 AM | 12:00:00 AM | N/A | SINGLE POLE (NC) |
| R7 | A | 28 | RESTROOM EXHAUST FAN | TIMECLOCK | 7:00:00 AM | 12:00:00 AM | N/A | SINGLE POLE (NC) |
| R8 | A | 42 | EXT. LIGHTING/SIGNAGE | TIMECLOCK | SUNSET - 1 HR | 12:00:00 AM | N/A | SINGLE POLE (NC) |

LIGHTING CONTROL PANEL SCHEDULE NOTES

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

## LIGHTING CONTROL COMPONENTS SCHEDULE

| | DESCRIPTION | QUANTITY | FURNISHED BY | INSTALLED BY | MANUFACTURER | MODEL | REMARKS |
|---|---|---|---|---|---|---|---|
| LCP | nLIGHT LIGHTING CONTROL PANEL | 1 | TLS | GC | ACUITY | ARP INTENC08 NLT 8FCR MVOLT HLK FM DTC CPTLE1 | 8 RELAY PANEL FOR DIMMING CONTROL WITH FLUSH MOUNT ENCLOSURE, AND DIGITAL TIME CLOCK |
| $C | WALL-MOUNTED OVERRIDE SWITCH | 1 | TLS | GC | ACUITY | nPODMA 4P (2) | 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

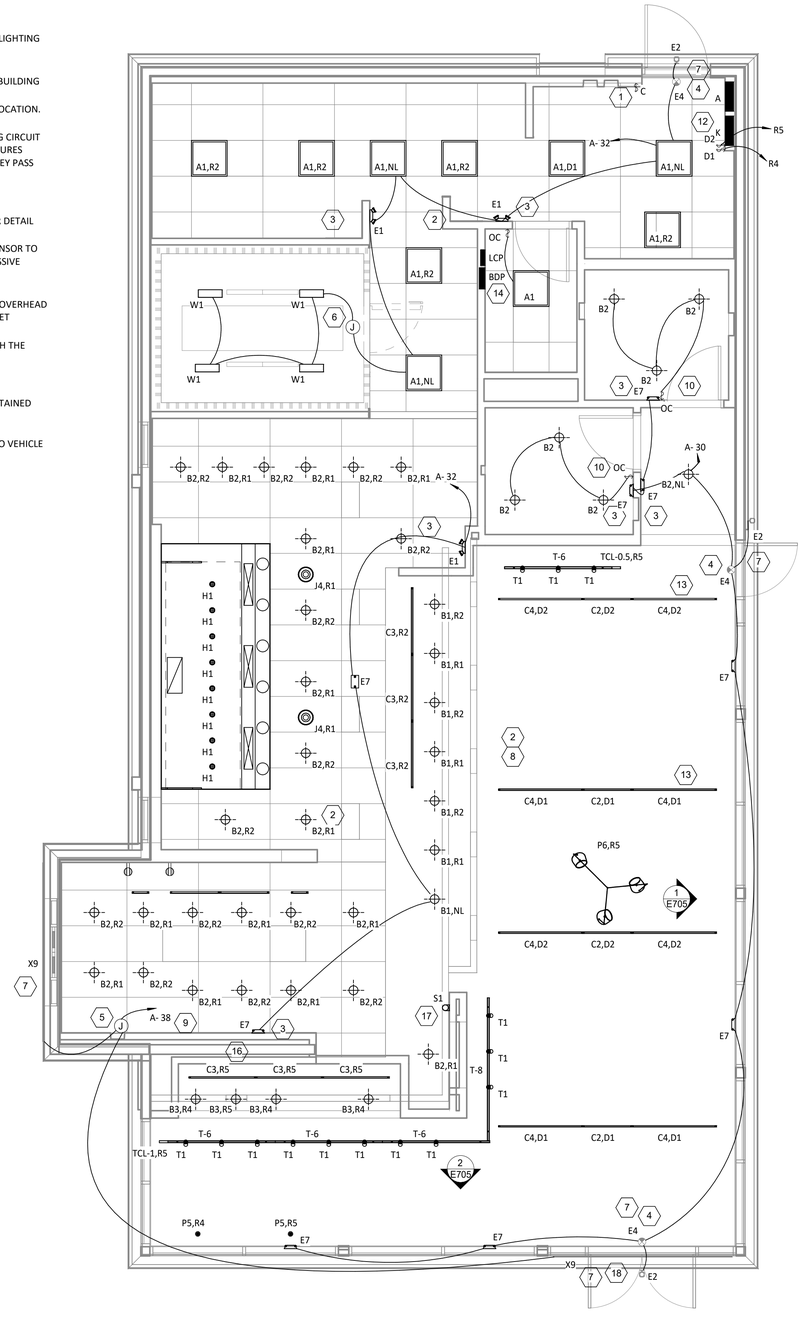
| TAG | COUNT | DESCRIPTION | MOUNTING | VOLTAGE | WATTS | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MANUFACTURER | MODEL | LAMP | |
| A1 | 10 | 2x2 LED LENSED TROFFER | LAY-IN | 120 V | 30 W | TLS | GC | NORA LIGHTING | NPDBL-E22/334 W | INTEGRAL 3000K LED | COMPATIBLE WITH 0-10V DIMMING, FACTORY LOCKED TO 3000K |
| B1 | 7 | RECESSED 6IN CAN LIGHT | CEILING | 120 V | 17 W | TLS | GC | NORA LIGHTING | NHIC-6G24ATFL W/ NTM-57W/M1 TRIM | (1) 17W ECOSTORY ECO-PAR38C-17-GU24-27 K-25D LED (25°-2700K) W/ GU 24 BASE | |
| B2 | 33 | RECESSED 6IN CAN LIGHT W/ LED TRIM | CEILING | 120 V | 17 W | TLS | GC | NORA LIGHTING | NHIC-6G24ATFL WITH NLCBC-65130WW LED TRIM | INTEGRAL 3000K LED | LED TRIM FURNISHED WITH GU24 SOCKET ADAPTER |
| B3 | 4 | RECESSED 6IN CAN LIGHT W/ BLACK LED TRIM | CEILING | 120 V | 12 W | TLS | GC | NORA LIGHTING | NHIC-6G24ATFL WITH NLCBC2-65127BB LED TRIM | INTEGRAL 3000K LED | BLACK LED TRIM FURNISHED WITH GU24 SOCKET ADAPTER |
| C0 | 2 | LOW PROFILE LED - 1 FT | SURFACE | 120 V | 5 W | TLS | GC | HERA LIGHTING | EL/LED/12/WW | INTEGRAL 3000K LED | FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWIRE BOX OR CORD/PLUG PER SECTION |
| C2 | 6 | LOW PROFILE LED - 3 FT | SURFACE | 120 V | 12 W | TLS | GC | HERA LIGHTING | EL/LED/34/WW | INTEGRAL 3000K LED | FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWIRE BOX OR CORD/PLUG PER SECTION |
| C3 | 6 | LOW PROFILE LED - 4 FT | SURFACE | 120 V | 15 W | TLS | GC | HERA LIGHTING | EL/LED/46/WW | INTEGRAL 3000K LED | FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWIRE BOX OR CORD/PLUG PER SECTION |
| C4 | 8 | LOW PROFILE LED - 5 FT | SURFACE | 120 V | 18 W | TLS | GC | HERA LIGHTING | EL/LED/59/WW | INTEGRAL 3000K LED | FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWIRE BOX OR CORD/PLUG PER SECTION |
| E1 | 3 | EMERGENCY LIGHT - DUAL HEAD | VARIOUS | 120 V | 2 W | TLS | GC | EXITRONIX | LED-90 | INTEGRAL LED | 90 MINUTE BATTERY BACKUP |
| E2 | 3 | EXTERIOR REMOTE EMERGENCY LIGHT | VARIOUS | 4 V | 1 W | EXG | EXG | EXITRONIX | MLED1-B-WP | INTEGRAL LED | 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 | 120 V | 2 W | EXG | EXG | EXITRONIX | CLED-U-WH | INTEGRAL LED | 90 MINUTE BATTERY BACKUP WITH INTEGRAL EMERGENCY LIGHT, REMOTE HEAD CAPABLE |
| E7 | 9 | EMERGENCY LIGHT | VARIOUS | 120 V | 2 W | TLS | GC | DUAL LITE | EV2 | INTEGRAL LED | 90 MINUTE BATTERY BACKUP |
| H1 | 8 | VAPOR PROOF HOOD LIGHT | SURFACE | 120 V | 15 W | HS/TLS | HS | FURNISHED W/ HOOD | FURNISHED W/ HOOD | (1) TCP L16A19N1527K | INSTALL LAMP FURNISHED SEPARATELY BY LIGHTING SUPPLIER |
| J4 | 2 | DECORATIVE PENDANT | PENDANT | 120 V | 9 W | TLS | GC | BARNLIGHT | BLE-C-CPT10-ASH-100-S BK-100-CAW | GREEN CREATIVE 9A19DIM/927/GU24/R | WITH BLACK LAMPSHADE, BLACK CORD, AND OAK LAMPHOLDER |
| P5 | 2 | PENDANT | PENDANT | 120 V | 5 W | TLS | GC | HI-LITE MFG | H-LC-91/CB12-91/20W LBL | TCP FG25D4027CCQ | ADJUST CORD LENGTH FOR MOUNTING HEIGHT CALLED FOR IN ARCHITECTURAL DRAWINGS |
| P6 | 1 | DECORATIVE DINING ROOM PENDANT | PENDANT | 120 V | 30 W | TLS | GC | BARNLIGHT | BLE-C-JGT-133-3560-3 | INTEGRAL LED | HARDWIRED SET OF (3) HEADS WITH UNIVERSAL CANOPY AND STANDARD BLACK CABLES |
| S1 | 1 | DRIVE-UP PICK-UP WINDOW CHIME/STROBE | WALL | 16 V | 0 W | TLS | GC | FEDERAL SIGNAL | SLM500B W/ SLMBW-012-024 | INTEGRAL | SET SWITCH A TO "CHIME 1 SINGLE" (11011) AND SWITCH B TO "CHIME 2 SINGLE" (00111) |
| T1 | 14 | TRACK HEAD | TRACK | 120 V | 10 W | TLS | GC | JUNO | R605L 30K 90CRI PDIM WFL BL | INTEGRAL LED | BLACK CYLINDER TRACK HEAD W/ UNIVERSAL 120V TRAC ADAPTER AND WIDE FLOOD BEAM |
| T-6 | 4 | TRACK (6 FT) | SURFACE | 120 V | 0 W | TLS | GC | JUNO | T 6FT BL | N/A | SINGLE CIRCUIT, BLACK FINISH. FURNISH WITH CONNECTORS TO ACHIEVE ARRANGEMENT SHOWN ON PLANS. TRIM AS REQUIRED FOR LENGTHS SHOWN. |
| T-8 | 1 | TRACK (8 FT) | SURFACE | 120 V | 0 W | TLS | GC | JUNO | T 8FT BL | N/A | SINGLE CIRCUIT, BLACK FINISH. FURNISH WITH CONNECTORS TO ACHIEVE ARRANGEMENT SHOWN ON PLANS. TRIM AS REQUIRED FOR LENGTHS SHOWN. |
| TCL-0.5 | 1 | TRACK CURRENT LIMITER (60W) | SURFACE | 120 V | 0 W | TLS | GC | JUNO | TCLFM11 BL W/ TCLCB 0.5A BLCK | N/A | BLACK CURRENT LIMITING END FEED WITH CIRCUIT BREAKER |
| TCL-1 | 1 | TRACK CURRENT LIMITER (120W) | SURFACE | 120 V | 0 W | TLS | GC | JUNO | TCLFM11 BL W/ TCLCB 1A BLCK | N/A | BLACK CURRENT LIMITING END FEED WITH CIRCUIT BREAKER |
| W1 | 4 | WIC LED LIGHT | SURFACE | 120 V | 29 W | WCS | GC | FURNISHED W/ WIC | FURNISHED W/ WIC | INTEGRAL LED | WET-RATED COOLER FIXTURE |
| X9 | 2 | EXTERIOR LED CHANNEL LIGHT | SURFACE | 120 V | 45 W | EXG | EXG | PARADIGM LED | AMC-2410-S W/ OPAL LENS AND END CAPS | FLEXSR-45-30-67-24 | FURNISHED W/ REMOTE-MOUNTED NEMA 3R LED DRIVER. SEE PLAN FOR LENGTHS. |

LIGHTING FIXTURE SCHEDULE NOTES

A. SEE THE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LIGHT LOCATIONS.
B. SEE THE ARCHITECTURAL LIGHTING DETAILS FOR FIXTURE CONSTRUCTION DETAILS.
C. LIGHT BULBS SHALL BE SHIELDED, COATED, OR OTHERWISE SHATTER-RESISTANT IN AREAS WHERE THERE IS EXPOSED FOOD

## ELECTRICAL LIGHTING PLAN NOTES

1 INSTALL WALL-MOUNTED LIGHTING OVERRIDE SWITCH AND CONNECT TO LCP AS SHOWN IN DETAIL 6/E710
2 FOR UNCIRCUITED LIGHT FIXTURES, CONNECT TO RELAY CIRCUIT INDICATED NEXT TO THE FIXTURE TAG THROUGH THE LIGHTING CONTROL PANEL (LCP) UNLESS NOTED OTHERWISE.
3 WALL MOUNT THE EMERGENCY LIGHT FIXTURE AT 6" BELOW THE CEILING UNLESS NOTED OTHERWISE
4 VERIFY MOUNTING HEIGHT OF EXIT SIGN PRIOR TO ROUGH IN. EXIT SIGN MUST BE VISIBLE FROM AREA SERVED AFTER BUILDING SYSTEMS HAVE BEEN INSTALLED. SEE ARCHITECTURAL ELEVATIONS FOR FURTHER INFORMATION.
5 INSTALL LED DRIVERS FURNISHED WITH THE X9 LED STRIP LIGHTS ON WALL 6" ABOVE THE CEILING IN AN ACCESSIBLE LOCATION. PROVIDE LOW VOLTAGE WIRING FROM LED DRIVER TO THE X9 LIGHT FIXTURES AS SHOWN.
6 INSTALL LIGHT FIXTURES FURNISHED WITH THE WALK-IN COOLER. PROVIDE UNSWITCHED CONDUCTOR FROM LIGHTING CIRCUIT TO WALK-IN COOLER LIGHTING J-BOX AND FROM J-BOX TO LIGHT FIXTURES AS SHOWN. CONDUIT BETWEEN LIGHT FIXTURES SHALL BE ROUTED ON THE INTERIOR OF THE WALK-IN COOLER. SEAL INTERIOR AND EXTERIOR OF CONDUITS WHERE THEY PASS THROUGH THE WALK-IN COOLER ENVELOPE PER THE NEC.
7 FIXTURE(S) EXISTING BY SHELL. CIRCUIT AS SHOWN.
8 PROVIDE UNISTRUT AS SHOWN ON THE ARCHITECTURAL RCP PER THE ARCHITECTURAL UNISTRUT DETAIL. TYPICAL.
9 CONNECT EXTERIOR LIGHTING CIRCUIT TO CIRCUIT SHOWN THROUGH THE EXTERIOR LIGHTING CONTACTOR PANEL PER DETAIL 6/E710.
10 INSTALL WALL-MOUNTED OCCUPANCY SENSOR FURNISHED BY LIGHTING SUPPLIER AT 42" AFF. ADJUST OCCUPANCY SENSOR TO PROVIDE AUTOMATIC ON/AUTOMATIC OFF OPERATION WITH A FIXED TIMER OF 30 MINUTES AND WITH BOTH THE PASSIVE INFRARED AND ULTRASONIC SENSORS ENABLED.
11 NOT USED.
12 INSTALL WALL-MOUNTED DIMMERS ABOVE PANELBOARDS 6" ABOVE LAY-IN CEILING FOR CONTROL OF DINING ROOM OVERHEAD STRIP LED AND PENDANT LIGHTS. CONNECT DIMMERS TO RELAYS SHOWN THROUGH THE LIGHTING CONTROL PANEL. SET DIMMERS AT 50%.
13 CONNECT DINING ROOM (RELAY CIRCUITS R4 AND R5) OVERHEAD STRIP LED LIGHTS TO THE RELAY INDICATED THROUGH THE CORRESPONDING WALL-MOUNTED DIMMER INSTALLED ABOVE THE PANELBOARDS.
14 INSTALL LIGHTING CONTROL SYSTEM PER DETAIL 6/E710.
15 NOT USED.
16 PENETRATIONS THROUGH SHEAR WALL SHALL BE LIMITED TO 10" DIAMETER (OR A GROUP OF PENETRATIONS ALL CONTAINED WITHIN 10" DIAMETER). IF LARGER PENETRATIONS OR GROUPS OF PENETRATIONS ARE REQUIRED COORDINATE WITH STRUCTURAL ENGINEER FOR APPROPRIATE BRACING. SEE STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATION.
17 INSTALL CHIME/STROBE FURNISHED WITH VEHICLE DETECTION SYSTEM ON WALL 12" BELOW CEILING AND CONNECT TO VEHICLE DETECTOR SYSTEM PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
18 CONCEAL LOW VOLTAGE WIRING FROM EXIT SIGN TO REMOTE EMERGENCY LIGHT.




## LIGHTING FLOOR PLAN

1/4" = 1'-0"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Issue Record:
01/09/2024 PERMIT ISSUE

Revisions:
2 08/14/24 DB Revs

Drawn: IJD
Checked: AJD

Project No.
231074

Contents:
ELECTRICAL LIGHTING PLAN

E100

# ELECTRICAL POWER PLAN NOTES

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

2 ICE MACHINE ELECTRICAL TIE-IN. COORDINATE EXACT LOCATION WITH EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.

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.

2/5 PROVIDE A SINGLE GANG JUNCTION BOX FOR THE KITCHEN EXHAUST SUPPRESSION 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 SUPPPRESSION SYSTEM CABINET SHALL BE LOCATED WITHIN HE INTEGRAL HOOD UTILITY CABINET. PROVIDE FINAL ELECTRICAL CONNECTIONS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.

7 NOT USED.

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-INS 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 AN EMPTY 2" CONDUIT WITH PULL STRING FROM THE BASE BUILDING'S TELEPHONE SERVICE ENTRANCE LOCATION TO THE SPACE ABOVE THE OFFICE CEILING.

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.

2/15 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 A 1/4" X 2" X 10" 16-HOLE GROUNDING BUSBAR (BURNBY BBB14210A OR EQUAL) MOUNTED TO CONDUIT ABOVE ROOF FOR FUTURE CONNECTION OF LIGHTNING ARRESTORS. PROVIDE #2 CU GROUND FROM BUSBAR TO MAIN ELECTRODE GROUNDING CONDUCTOR.

17 INSTALL THE BYPASS DISTRIBUTION PANEL (BDP) FURNISHED BY THE TENANT. INSTALL PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND DETAIL 3/E710.

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

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

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

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

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

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

24 PROVIDE 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 TWO J-BOXES INTEGRAL TO PREP TABLE FOR HOT HOLDING CABINET AND GENERAL RECEPTACLE.

28 PROVIDE GFCI RECEPTACLE AND J-BOX AND INSTALL CO2 ALARM FURNISHED BY CO2AS AS SHOWN IN DETAIL 4/E710.

29 PROVIDE J-BOX AND INSTALL CO2 ALARM REMOTE DISPLAY UNIT FURNISHED BY CO2AS AS SHOWN IN DETAIL 4/E710.

# ELECTRICAL POWER PLAN NOTES

30 INSTALL WALK-IN-COOLER EXTERNAL READOUT THERMOMETER REMOTE PROBE ON WALL OPPOSITE FROM DOOR AS SHOWN. ROUTE TEMPERATURE PROBE WIRE ABOVE WALK-IN COOLER CEILING PANELS, SEAL PENETRATIONS THROUGH THE CEILING PANELS, AND SECURE VERTICAL PROBE WIRE TIGHT TO WALLS. NO EXCESS PROBE WIRE SHALL BE WITHIN THE WALK-IN COOLER.

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

32 PROVIDE 4" SQUARE J-BOX ON EXTERIOR WALL FOR MOUNTING OF EXTERIOR CAMERA. SEE ARCHITECTURAL ELEVATION FOR EXACT HEIGHT AND LOCATION. PROVIDE 3/4" CONDUIT WITH PULLSTRING FROM J-BOX TO ABOVE LAY-IN CEILING AREA IN KITCHEN. J-BOX SHALL NOT BE SURFACE MOUNTED. BASE OF CAMERA SHALL BE MOUNTED FLUSH TO EXTERIOR WALL FINISH.

33 PROVIDE 1" CONDUITS FROM LOW-VOLTAGE J-BOXES AT POS COUNTER CONCEALED WITHIN THE SERVE LINE WIRING CHASE TO THE WALL, THEN CONCEALED WITHIN THE WALL AND ABOVE THE CEILING TO ABOVE THE OFFICE CEILING.

34 NOT USED.

35 INSTALL VEHICLE DETECTOR SYSTEM FURNISHED BY TLS SURFACE-MOUNTED ON WALL IN ACCESSIBLE LOCATION ABOVE CEILING AND CONNECT TO STROBE/CHIME AND DETECTOR LOOP PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. MAKE FINAL ADJUSTMENTS TO LOOP SENSITIVITY PER THE MANUFACTURER'S INSTRUCTIONS. ONCE ALL COMPONENTS ARE INSTALLED AND OPERATIONAL THE CHIME/STROBE LIGHT SHOULD STAY ILLUMINATED AND THERE SHOULD BE A SINGLE CHIME WHEN A VEHICLE DRIVES OVER OR STOPS ON LOOP.

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

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

38 INSTALL TRANSFORMER FURNISHED BY TUV WITH THE REME HALO AIR PURIFIER IN THE JUNCTION BOX ON THE EXTERIOR OF THE RTU PER DETAIL 6/M700. CONNECT LINE SIDE OF THE TRANSFORMER TO THE RTU SERVICE RECEPTACLE CIRCUIT SO THAT REME HALO RUNS CONTINUOUSLY. CONNECT THE LOW VOLTAGE SIDE OF THE TRANSFORMER TO THE 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 1-DOOR REFRIGERATORS WITH GROUND PINS TOWARDS THE BOTTOM OF THE RECEPTACLE.

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

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

47 LABEL RECEPTACLE "UV INSECT TRAP".

48 PROVIDE POWER CONNECTIONS TO ISLAND PREP TABLE PER DETAIL 2/E710. PROVIDE GFCI DUPLEX RECEPTACLE IN THE J-BOX INTEGRAL TO PREP TABLE FOR UNDERCOUNTER REFRIGERATOR. PROVIDE FINAL CONNECTION TO CARVING STATION HEATER.

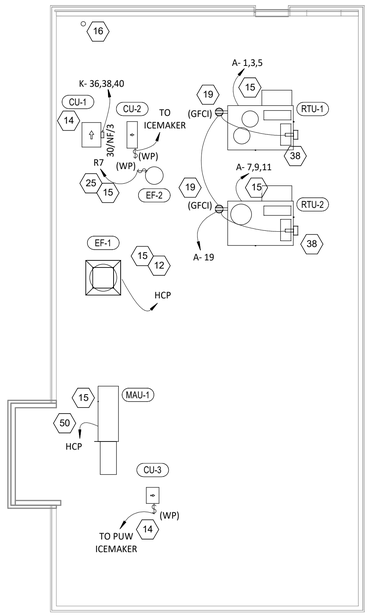
49 IF NEUTRAL CONDUCTOR IS NOT NEEDED FOR SERVE LINE HOT FOOD SERVER TERMINATE NEUTRAL IN JUNCTION BOX.

50 PROVIDE A TWO-CONDUCTOR LOW VOLTAGE WIRE IN 3/4" C. AND (4) #12, #12 N., #12 G. IN 1" C. FROM MAU-1 TO THE HOOD CONTROL PANEL PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

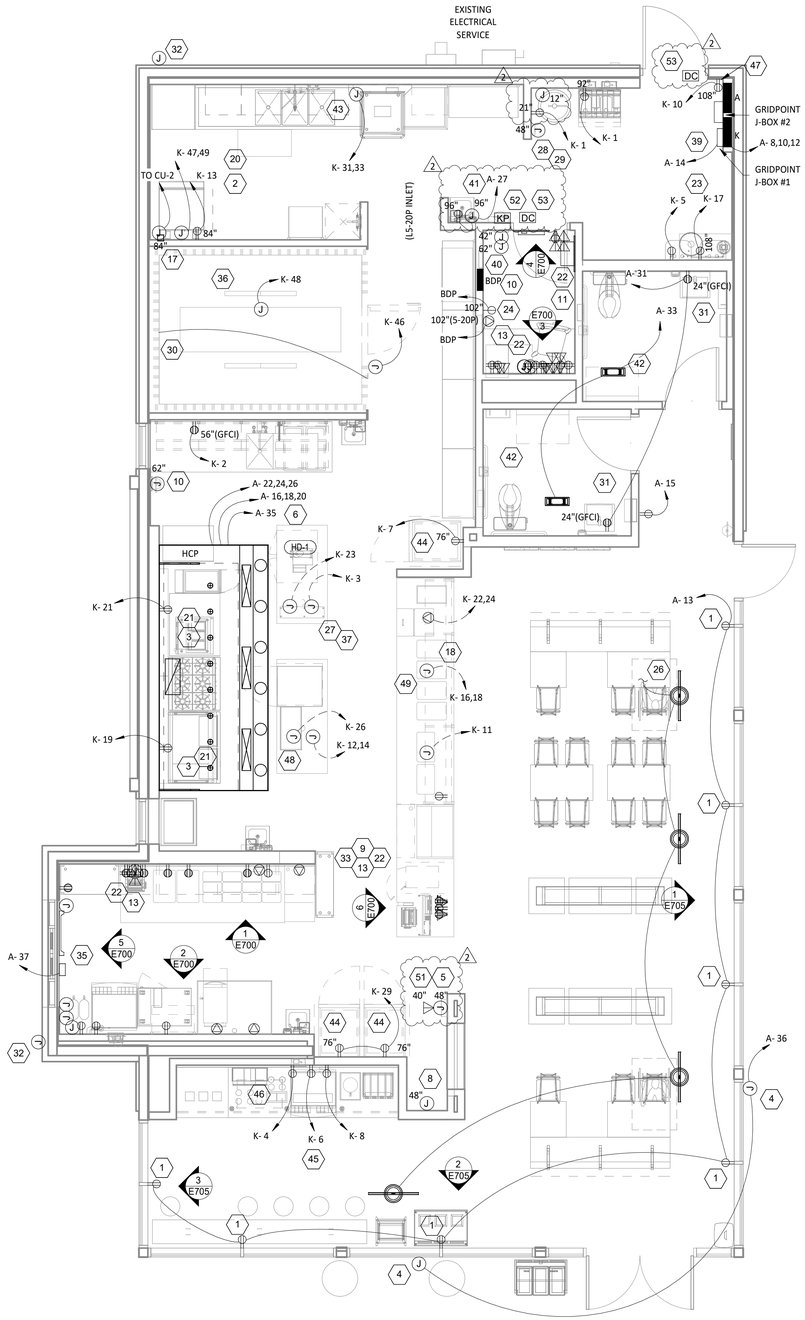
2/51 PROVIDE HORIZONTAL SINGLE-GANG J-BOX FOR DATA JACK AS SHOWN FOR KRONOS TIME CLOCK.

52 PROVIDE RECESSED J-BOX AT 56" AFF FOR THE INSTALLATION OF THE SECURITY SYSTEM KEYPAD WITH A 1/2" CONDUIT TO ABOVE THE LAY-IN CEILING. TERMINATE CONDUIT WITH A CONDUIT BUSHING.

53 PROVIDE 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 WIHT A 1/2" CONDTUI TO ABOVE THE LAY-IN CEILING. TERMINATE CONDUIT WITH A CONDUIT BUSHING.




## POWER ROOF PLAN
2/E110 1/8" = 1'-0"




## POWER FLOOR PLAN
1/E110 1/4" = 1'-0"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2 08/14/24 DB Revs

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231074

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E110

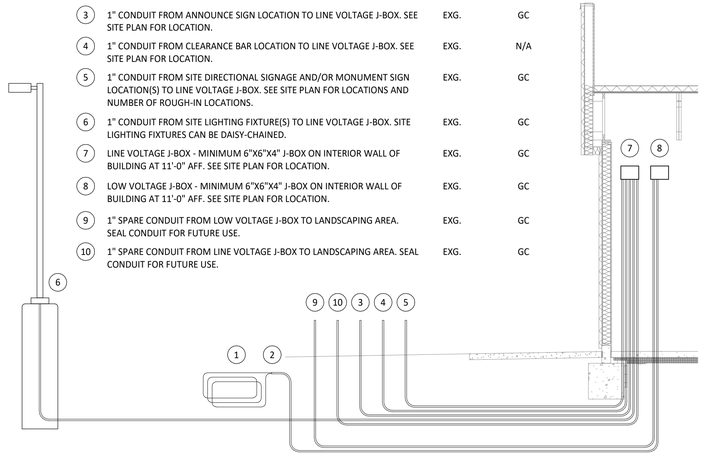
## ELECTRICAL POWER PLAN NOTES

1 EXISTING WEATHERPROOF RECEPTACLE FOR IRRIGATION CONTROLLER. FIELD VERIFY EXACT LOCATION AND CIRCUIT AS SHOWN.
2 INSTALL VEHICLE DETECTION LOOP FURNISHED BY TLS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. ALIGN DETECTOR LOOP TO BE CENTERED ON THE PICK-UP WINDOW.
3 CONNECT ANNOUNCE SIGN TO CIRCUIT SHOWN THROUGH THE EXTERIOR LIGHTING CONTACTOR PANEL AS SHOWN IN DETAIL 6/E710. SEE DETAIL 2/THIS SHEET FOR SITE CONDUITS.
4 CONNECT DIRECTIONAL SIGN TO CIRCUIT SHOWN THROUGH THE EXTERIOR LIGHTING CONTACTOR PANEL AS SHOWN IN DETAIL 6/E710. SEE DETAIL 2/THIS SHEET FOR SITE CONDUITS.
5 EXISTING EMPTY CONDUIT WITH PULL STRING TO CLEARANCE BAR. SEE DETAIL 2/THIS SHEET FOR SITE CONDUITS.
6 CONNECT MONUMENT SIGN TO CIRCUIT SHOWN THROUGH THE EXTERIOR LIGHTING CONTACTOR PANEL AS SHOWN IN DETAIL 6/E710. SEE DETAIL 2/THIS SHEET FOR SITE CONDUITS.
7 EXISTING 1" SPARE LOW VOLTAGE CONDUIT. SEE DETAIL 2/THIS SHEET FOR MORE INFORMATION.
8 EXISTING 1" SPARE LINE VOLTAGE CONDUIT. SEE DETAIL 2/THIS SHEET FOR MORE INFORMATION.
9 EXISTING INTERIOR J-BOXES AT 11'-0" AFF FOR LINE VOLTAGE AND LOW VOLTAGE SITE WIRING. SEE DETAIL 2/THIS SHEET FOR MORE INFORMATION.
10 EXISTING DEDICATED GFCI RECEPTACLE. FIELD VERIFY EXACT LOCATION.

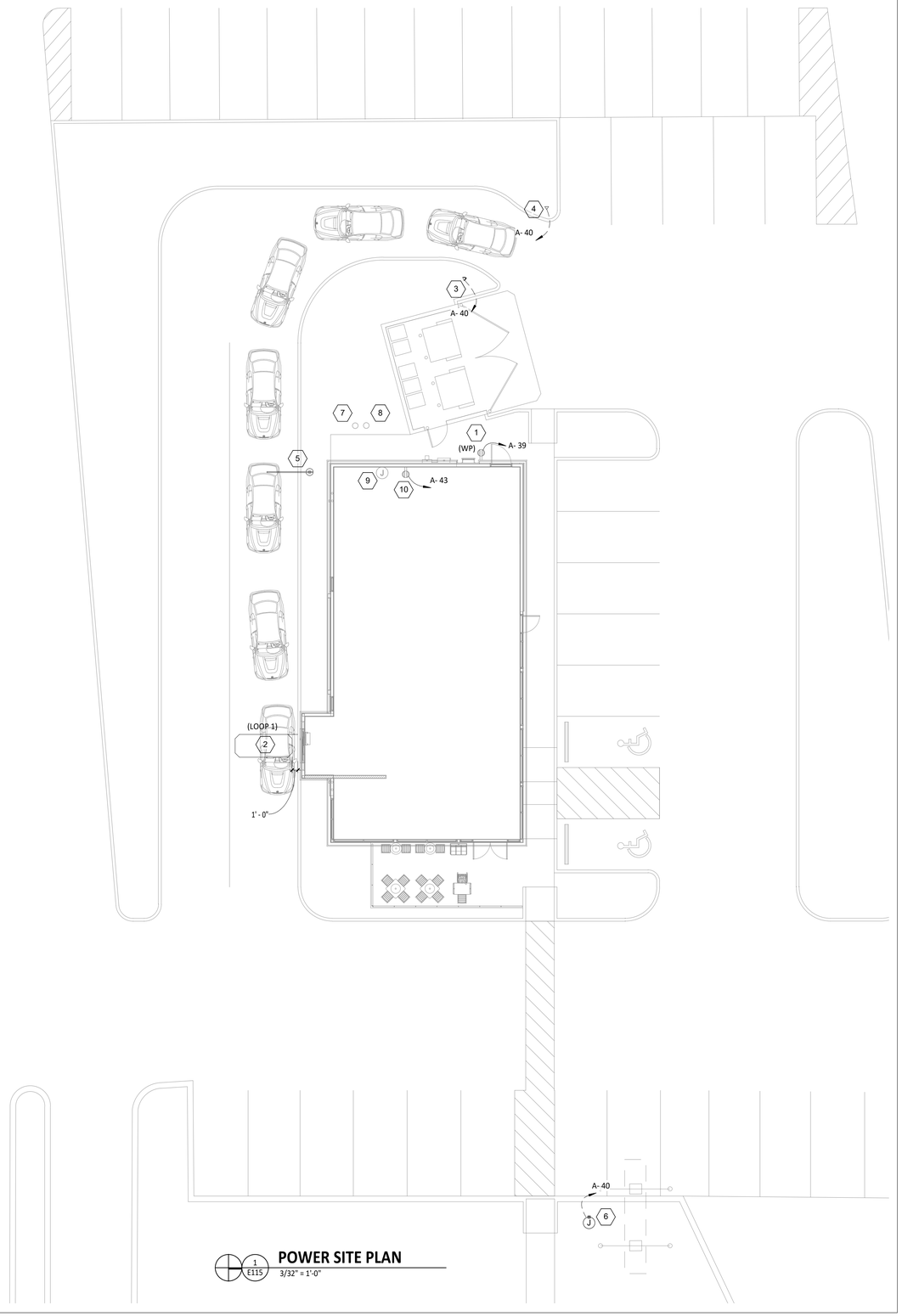
| TAG | DESCRIPTION | RESPONSIBILITY: DEVICE OR CONDUIT | RESPONSIBILITY: CONNECTION OR CONDUCTORS |
|---|---|---|---|
| 1 | VEHICLE DETECTOR LOOP - 6'x4' WITH 4 TURNS (EMX PR-46-XX). VERIFY LENGTH OF LEAD-IN WIRE PRIOR TO ORDERING TO ALLOW WIRE TO REACH VEHICLE DETECTOR WITHOUT SPLICING. SEE SITE PLAN FOR LOCATIONS. | EXG. | GC |
| 2 | 1" CONDUIT FROM VEHICLE DETECTOR LOOP LOCATION TO LOW VOLTAGE J-BOX. | EXG. | GC |
| 3 | 1" CONDUIT FROM ANNOUNCE SIGN LOCATION TO LINE VOLTAGE J-BOX. SEE SITE PLAN FOR LOCATION. | EXG. | GC |
| 4 | 1" CONDUIT FROM CLEARANCE BAR LOCATION TO LINE VOLTAGE J-BOX. SEE SITE PLAN FOR LOCATION. | EXG. | N/A |
| 5 | 1" CONDUIT FROM SITE DIRECTIONAL SIGNAGE AND/OR MONUMENT SIGN LOCATION(S) TO LINE VOLTAGE J-BOX. SEE SITE PLAN FOR LOCATIONS AND NUMBER OF ROUGH-IN LOCATIONS. | EXG. | GC |
| 6 | 1" CONDUIT FROM SITE LIGHTING FIXTURE(S) TO LINE VOLTAGE J-BOX. SITE LIGHTING FIXTURES CAN BE DAISY-CHAINED. | EXG. | GC |
| 7 | LINE VOLTAGE J-BOX - MINIMUM 6"X6"X4" J-BOX ON INTERIOR WALL OF BUILDING AT 11'-0" AFF. SEE SITE PLAN FOR LOCATION. | EXG. | GC |
| 8 | LOW VOLTAGE J-BOX - MINIMUM 6"X6"X4" J-BOX ON INTERIOR WALL OF BUILDING AT 11'-0" AFF. SEE SITE PLAN FOR LOCATION. | EXG. | GC |
| 9 | 1" SPARE CONDUIT FROM LOW VOLTAGE J-BOX TO LANDSCAPING AREA. SEAL CONDUIT FOR FUTURE USE. | EXG. | GC |
| 10 | 1" SPARE CONDUIT FROM LINE VOLTAGE J-BOX TO LANDSCAPING AREA. SEAL CONDUIT FOR FUTURE USE. | EXG. | GC |

**GENERAL NOTES**

A. WORK AND MATERIALS SHALL BE COMPLIANT WITH THE NEC AND REQUIREMENTS OF THE AHJ.
B. CONDUCTORS AND CONNECTIONS BELOW GRADE, EVEN WHERE WITHIN CONDUITS OR ENCLOSURES, SHALL BE SUITABLE FOR WET LOCATIONS.
C. PROVIDE PULL STRING IN EMPTY CONDUITS.
D. SEAL ENDS OF CONDUITS STUBBED UP ABOVE GRADE TO PROTECT FROM THE ELEMENTS.




2 E115 **SITE CONDUIT DETAIL**
NOT TO SCALE




1 E115 **POWER SITE PLAN**
3/32" = 1'-0"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E115

**Panel Name:** BDP
**Volts:** 120
**Phases:** 1
**Wires:** 2
**Mains:** LUGS
**Ampera...** 20 A
**Mounting:** Recessed
**Enclosure:** Type 1

| CKT | Circuit Description | Trip | Poles | Load |
|---|---|---|---|---|
| 1 | POS | 15 A | 1 | 0.2 kVA |
| 2 | DML - POS | 15 A | 1 | 0.2 kVA |
| 3 | DML - ORDERING SYSTEM | 15 A | 1 | 0.7 kVA |
| 4 | OFFICE - SECURITY SYSTEM | 15 A | 1 | 0.2 kVA |
| 5 | OFFICE - COMPUTER | 15 A | 1 | 0.4 kVA |
| 6 | OFFICE - DVR/ISP | 15 A | 1 | 0.5 kVA |
| | | | **Total Load:** | 2.2 kVA |
| | | | **Total Amps:** | 18.3 A |

*EXISTING PANEL BY SHELL*
**RELOCATE EXISTING CIRCUITS AS SHOWN**

**VOLTS:** 208/120V Wye
**PHASES:** 3
**WIRES:** 4
**MOUNTING:** Recessed
**ENCLOSURE:** Type 1
**PANEL:** A
**MAINS:** MCB
**AMPERAGE:** 400 A
**MCB RATING:** 400 A

| CKT # | DESCRIPTION | C/B [A] | # PLS | NOTES | LOAD [A] | LOAD TYPE | LOAD [VA] A | LOAD [VA] B | LOAD [VA] C | LOAD TYPE | LOAD [A] | NOTES | # PLS | C/B [A] | DESCRIPTION | CKT # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | KITCHEN RTU-1 (3-#6, #10 G. IN 1" C.) | 60 | 3 | HACR | 51.0 | C | 6.1 | 0.0 | | - | 0.0 | | 3 | 60 | TVSS (4-#6, #10 G. IN 1" C.) | 2 |
| 3 | | | | | | | | 6.1 | 0.0 | | | | | | | 4 |
| 5 | | | | | | | | | 6.1 | 0.0 | | | | | | 6 |
| 7 | DINING AREA RTU-2 (3-#4, #8 G. IN 1-1/4" C.) | 80 | 3 | HACR | 68.0 | C | 8.2 | 0.0 | | G | 0.0 | | 3 | 20 | GRIDPOINT 3 PHASE METER (4-#12, #12 G. IN 3/4" C.) | 8 |
| 9 | | | | | | | | 8.2 | 0.0 | | | | | | | 10 |
| 11 | | | | | | | | | 8.2 | 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 | 1.0 | | | | | | | 16 |
| 17 | PANEL BDP | 20 | 1 | | 18.0 | G | | | 2.2 | E | 8.3 | | 3 | 20 | HOOD EXHAUST FAN (EF-1) (3-#12, #12 G. IN 3/4" C) | 18 |
| 19 | RECEPTACLES - ROOFTOP Receptáculos - Techo | 20 | 1 | | 3.3 | G; E | 0.4 | 1.0 | | | | | | | | 20 |
| 21 | RECEPTACLES - POS GENERAL Receptáculos - Cajero general | 20 | 1 | | 6.0 | G | | 0.7 | 0.7 | | | | | | | 22 |
| 23 | SECURITY/AUDIO Seguridad y audio | 20 | 1 | | 3.0 | G | | | 0.4 | E | 5.9 | | 3 | 15 | HOOD MAKEUP AIR FAN (MAU-1) (3-#12, #12 G. IN 3/4" C) | 24 |
| 25 | SPARE | 20 | 1 | | -- | -- | 0.0 | 0.7 | | | | | | | | 26 |
| 27 | RECEPTACLES - OFFICE Receptáculos - Oficina | 20 | 1 | GFCI | 9.0 | G | | 1.1 | 0.5 | E | 4.4 | | 1 | 15 | RESTROOM FAN (EF-2) | 28 |
| 29 | RECEPTACLES - DML Receptáculos - Fax | 20 | 1 | GFCI | 6.0 | G | | | 0.7 | 0.6 | A | 5.0 | | 1 | 20 | LIGHTING - DINING ROOM Iluminación - Comedor | 30 |
| 31 | RECEPTACLES - RESTROOMS Receptáculos - Baños | 20 | 1 | | 3.0 | G | 0.4 | 1.1 | | | A | 9.1 | | 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 | 20 | 1 | | 1.5 | E | | | 0.2 | 0.4 | B | 3.0 | EXG. | 1 | 20 | SIGN LIGHTING Iluminación para letreros | 36 |
| 37 | VEHICLE DETECTOR | 20 | 1 | | 0.3 | G | 0.0 | 1.1 | | | B | 9.1 | EXG | 1 | 20 | LIGHTING - EXTERIOR Iluminación - Exterior | 38 |
| 39 | IRRIGATION CONTROLLER | 20 | 1 | EXG. | 2.5 | G | | 0.3 | 0.8 | | B | 6.7 | EXG. | 1 | 20 | SITE SIGNAGE | 40 |
| 41 | GRINDER PUMP | 20 | 1 | EXG. | 8.3 | E | | | 1.0 | 0.0 | A | 0.0 | | 1 | 20 | LIGHTING CONTROL PANEL | 42 |
| 43 | DED. GFCI. REC. | 20 | 1 | EXG. | 8.3 | G | 1.0 | 0.2 | | G | 1.5 | | 1 | 20 | PICK-UP WINDOW | 44 |
| 45 | SPARE | 20 | 1 | | -- | -- | | 0.0 | 2.1 | D | 20.2 | | 2 | 25 | PUW AIR CURTAIN (2-#10, #10 G. IN 3/4" C.) | 46 |
| 47 | SPARE | 20 | 1 | | -- | -- | | | 0.0 | 2.1 | | | | | | 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 |
| 55 | FEED THRU (PANEL B) (4-500 KCMIL, #1/0 G. IN 4" C.) | 0 | 3 | LUGS | 163.7 | Spare; F | 20.9 | -- | | | -- | -- | 1 | -- | SPACE | 56 |
| 57 | | | | | | | | 15.8 | -- | | -- | -- | 1 | -- | SPACE | 58 |
| 59 | | | | | | | | | 22.3 | -- | -- | -- | 1 | -- | SPACE | 60 |
| | | | | | **PHASE TOTAL [kVA]:** | | **42.5 kVA** | **37.5 kVA** | **45.8 kVA** | | | | | | | |
| | | | | | **PHASE TOTAL [AMPS]:** | | **360 A** | **312 A** | **388 A** | | | | | | | |

| TYPE | DESCRIPTION | CONNECTED LOAD | DEMAND FACTOR | | ESTIMATED DEMAND |
|---|---|---|---|---|---|
| A | INTERIOR LIGHTING | 2 kVA | 125.00% | | 2 kVA |
| B | EXTERIOR LIGHTING | 2 kVA | 125.00% | | 3 kVA |
| C | COMFORT COOLING | 43 kVA | 100.00% | + 25% LARGEST MOTOR | 43 kVA |
| D | COMFORT HEATING | 4 kVA | 100.00% | | 4 kVA |
| E | MISC. MOTOR | 7 kVA | 100.00% | | 7 kVA |
| F | KITCHEN EQUIPMENT | 59 kVA | 65.00% | | 38 kVA |
| G | RECEPTACLES | 9 kVA | 100.00% | | 9 kVA |

**PANEL TOTALS**
**TOTAL CONNECTED kVA:** 126 kVA
**TOTAL CONNECTED AMPS:** 349 A
**TOTAL DEMAND kVA:** 106.1 kVA
**TOTAL DEMAND AMPS:** 294 A

*EXISTING PANEL BY SHELL*

**VOLTS:** 208/120V Wye
**PHASES:** 3
**WIRES:** 4
**MOUNTING:** Recessed
**ENCLOSURE:** Type 1
**PANEL:** K
**MAINS:** MLO
**AMPERAGE:** 400 A
**MCB RATING:** 0 A

| CKT # | DESCRIPTION | C/B [A] | # PLS | NOTES | LOAD [A] | LOAD TYPE | LOAD [VA] A | LOAD [VA] B | LOAD [VA] 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 | 10.8 | F | 1.3 | 1.4 | | F | 11.3 | | 1 | 20 | FOOD PREP TABLE Mesa para la preparación de alimentos | 2 |
| 3 | FOOD PREP TABLE (ISLAND) Mesa para la preparación de alimentos (isla) | 20 | 1 | | 11.3 | F | | | 1.4 | 1.1 | | | | | | 4 |
| 5 | WATER SOFTENER (WS-1) | 20 | 1 | GFCI | 5.0 | F | | | | | 9.3 | GFCI | 1 | 20 | SODA SYSTEM DISPENSER Dispensador para el sistema de refrescos | 6 |
| 7 | REACH-IN REFRIGERATOR Cuarto frigorífico | 20 | 1 | GFCI | 5.0 | F | 0.6 | 1.0 | | | | | | | | 8 |
| 9 | READY-TO-DRINK REFRIGERATOR | 20 | 1 | GFCI | 8.8 | F | | | 1.1 | 0.2 | | | | | | 10 |
| 11 | COLD TOP (SERVE LINE) Tabla fría (línea de servicio) | 20 | 1 | | 12.0 | F | | | | | 1.5 | GFCI | 1 | 20 | UV INSECT LIGHT TRAP | 12 |
| 13 | ICE MAKER SANITIZER Desinfectante de la máquina para hacer hielo | 20 | 1 | GFCI | 1.5 | F | 0.2 | 1.0 | | | 10.0 | | 2 | 20 | CARVING STATION Estación para cortar carnes | 14 |
| 15 | ICE MAKER Máquina para hacer hielo | 20 | 1 | GFCI | 0.0 | F | | | 0.0 | 2.1 | | | | | | 16 |
| 17 | GAS WATER HEATER Calentador de agua a gas | 20 | 1 | GFCI | 5.0 | F | | | | | 20.0 | | 2 | 30 | HOT FOOD SERVER (SERVE LINE) (2-#10, #10 N, #10 G. in 3/4" C.) Servidor de alimentos | 18 |
| 19 | GAS GRIDDLE Plancha de gas | 20 | 1 | GFCI | 0.6 | F | 0.1 | 0.0 | | | | | | | | 20 |
| 21 | GAS FRYER/RICE COOKER Freidora de gas / Olla arrocera | 20 | 1 | GFCI | 0.5 | F | | | 0.1 | 1.4 | | | | | | 22 |
| 23 | FOOD WARMER (RICE TABLE) Calentador de alimentos (mesa para el arroz) | 15 | 1 | | 1.5 | F | | | | | 13.0 | GFCI | 2 | 20 | TORTILLA PRESS (SERVE LINE) (2-#10, #10 N., #10 G. in 3/4" C.) Calentador de tortillas | 24 |
| 25 | TORTILLA PRESS (DML) (2-#10, #10 G. IN 3/4" C.) Calentador de tortillas (línea del fax) | 20 | 2 | GFCI | 13.0 | F | 1.4 | 0.3 | | | | | | | | 26 |
| 27 | | | | | | | | | 1.4 | 2.1 | | | | | | 28 |
| 29 | UPRIGHT REFRIGERATOR Refrigerador vertical | 20 | 1 | GFCI | 10.0 | F | | | | | 20.0 | GFCI | 2 | 30 | HOT FOOD SERVER (DML) (2-#10, #10 N, #10 G. in 3/4" C.) Servidor de alimentos calientes (línea de fax) | 30 |
| 31 | DISH MACHINE (2-#10, #10 G. IN 3/4" C.) Lavavajillas | 30 | 2 | | 25.0 | F | 2.6 | 1.4 | | | | | | | | 32 |
| 33 | | | | | | | | | 2.6 | 1.2 | | | | | | 34 |
| 35 | QUESADILLA MAKER (2-#10, #10 G. IN 3/4" C.) | 30 | 2 | GFCI | 28.0 | F | | | | 2.9 | 1.1 | | | | | 36 |
| 37 | | | | | | | 2.9 | 1.1 | | | | | | | | 38 |
| 39 | UNDERCOUNTER COOLER (PUW) | 20 | 1 | GFCI | 1.5 | F | | | 0.2 | 1.1 | | | | | | 40 |
| 41 | QUESADILLA MAKER (2-#10, #10 G. IN 3/4" C.) | 30 | 2 | GFCI | 28.0 | F | | | | 2.9 | 1.5 | | | | | 42 |
| 43 | | | | | | | 2.9 | 1.1 | | | | | | | | 44 |
| 45 | SPARE | 20 | 1 | | -- | -- | | | 0.0 | 0.0 | | | | | | 46 |
| 47 | ICE MAKER Máquina para hacer hielo | 20 | 2 | | 15.8 | F | | | | 1.6 | 0.2 | | | | | 48 |
| 49 | | | | | | | 1.6 | 0.0 | | | | | | | | 50 |
| 51 | SPARE | 20 | 1 | | -- | -- | | | 0.0 | 0.0 | | | | | | 52 |
| 53 | SPARE | 20 | 1 | | -- | -- | | | | 0.0 | 0.0 | | | | | 54 |
| | | | | | **PHASE TOTAL [kVA]:** | | **20.9 kVA** | **15.8 kVA** | **22.3 kVA** | | | | | | | |
| | | | | | **PHASE TOTAL [AMPS]:** | | **181 A** | **131 A** | **192 A** | | | | | | | |


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Issue Record:
01/09/2024 PERMIT ISSUE

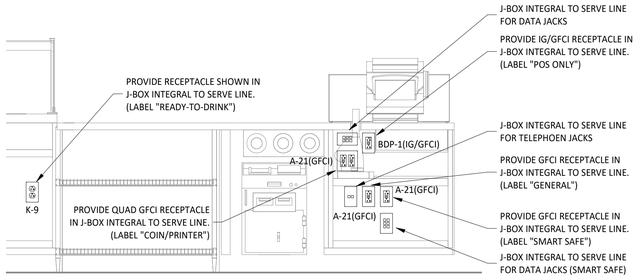
Revisions:

Drawn: IJD
Checked: AJD

Project No.
231074

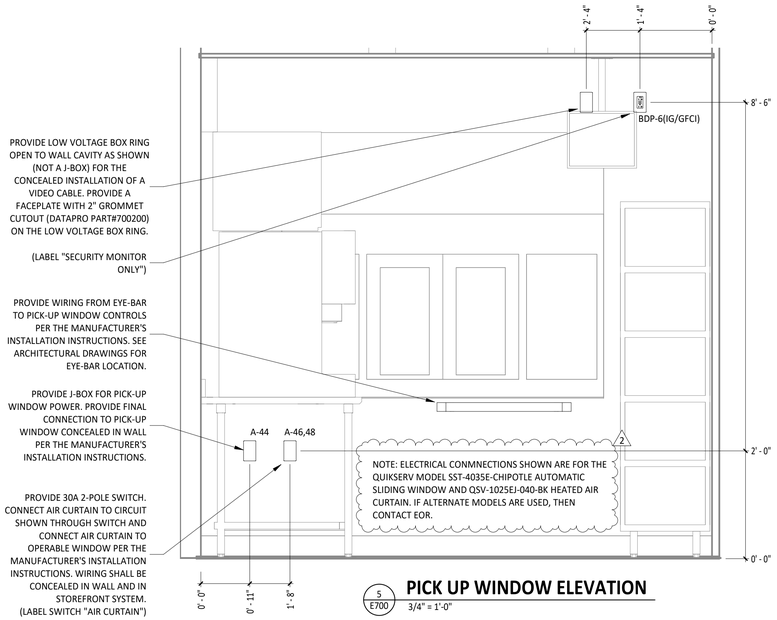
Contents:
ELECTRICAL SCHEDULES

E600



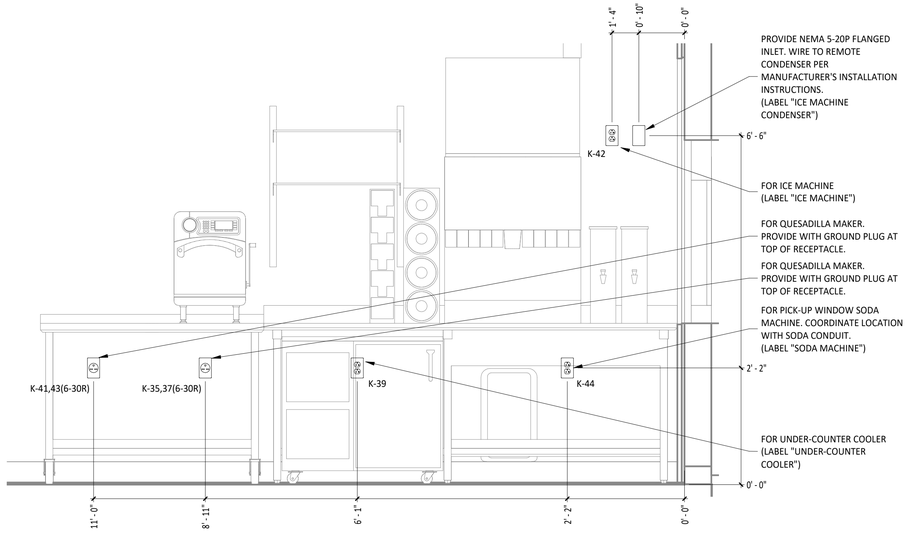

## 6 E700 POS COUNTER ELECTRICAL ELEVATION

3/4" = 1'-0"




## 5 E700 PICK UP WINDOW ELEVATION

3/4" = 1'-0"




## 2 PUW COLD SIDE ELECTRICAL ELEVATION

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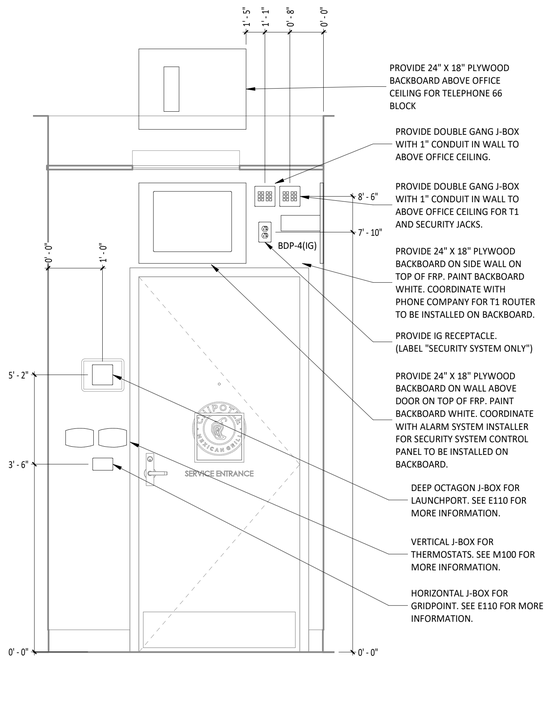
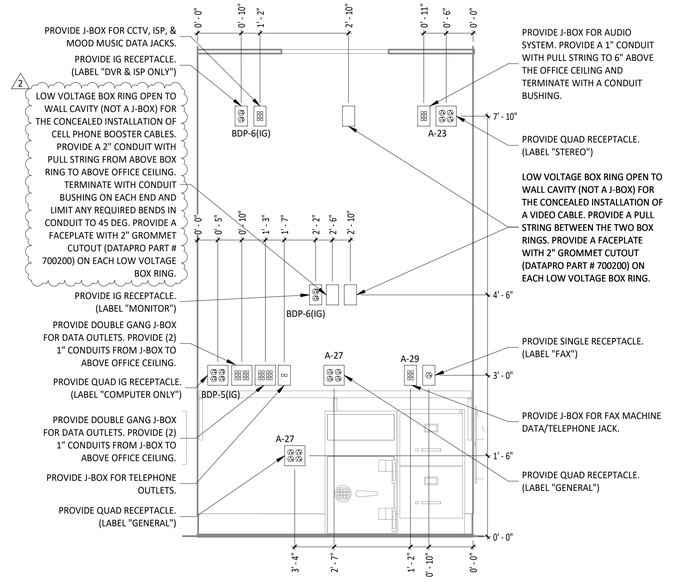


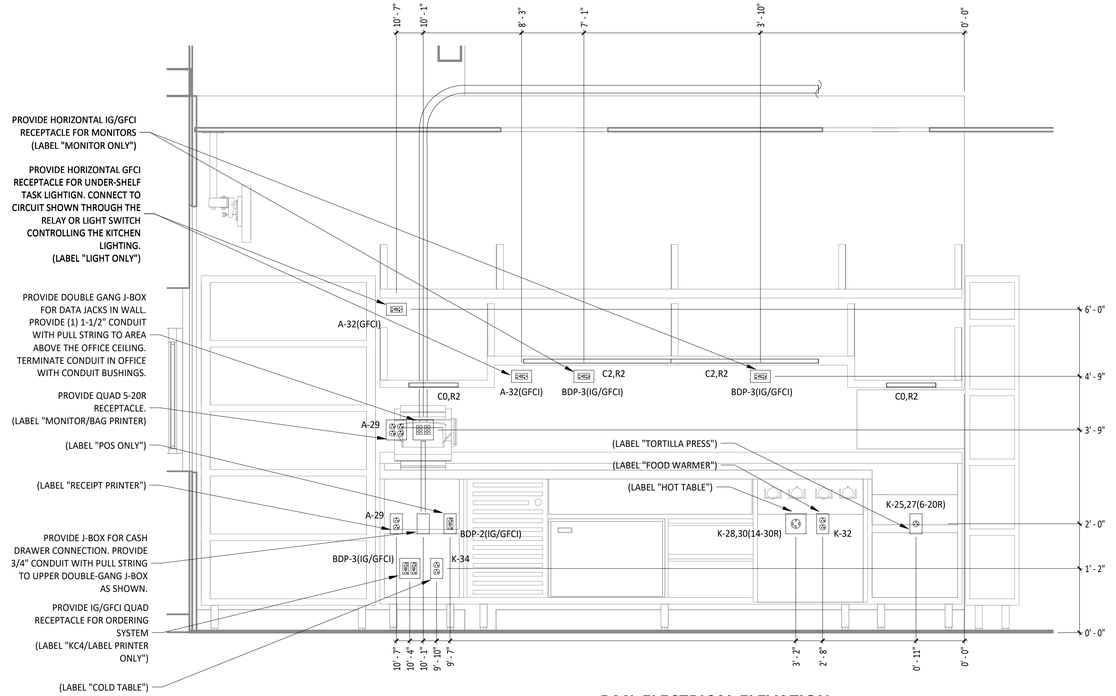

## 4 E700 OFFICE DOOR ELECTRICAL ELEVATION

3/4" = 1'-0"




## 3 E700 OFFICE DESK ELECTRICAL ELEVATION

3/4" = 1'-0"




## 1 E700 DML ELECTRICAL ELEVATION

3/4" = 1'-0"

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Issue Record:
01/09/2024 PERMIT ISSUE

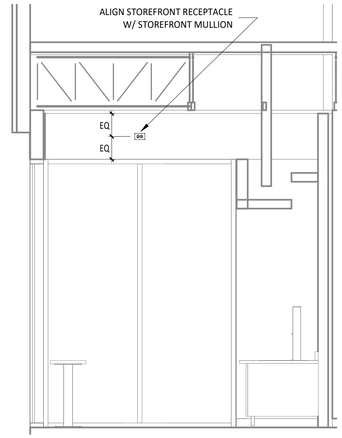
Revisions:
2 08/14/24 DB Revs

Drawn: IJD
Checked: AJD

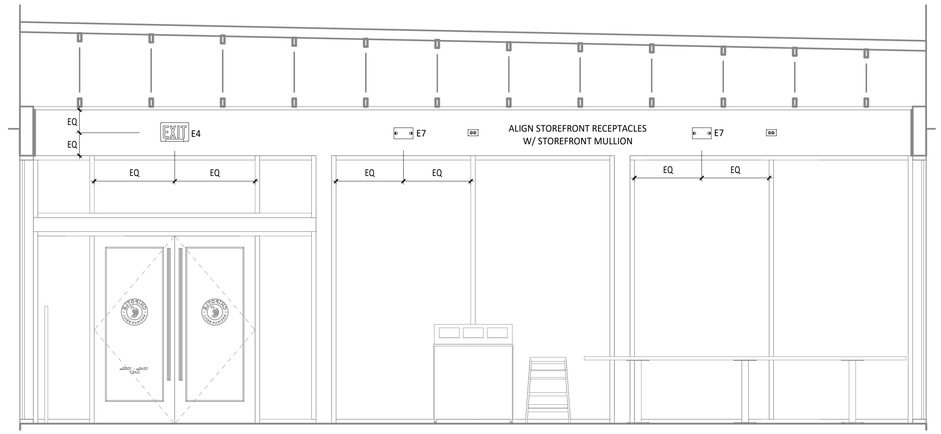
Project No.
231074

Contents:
ELECTRICAL INTERIOR ELEVATIONS

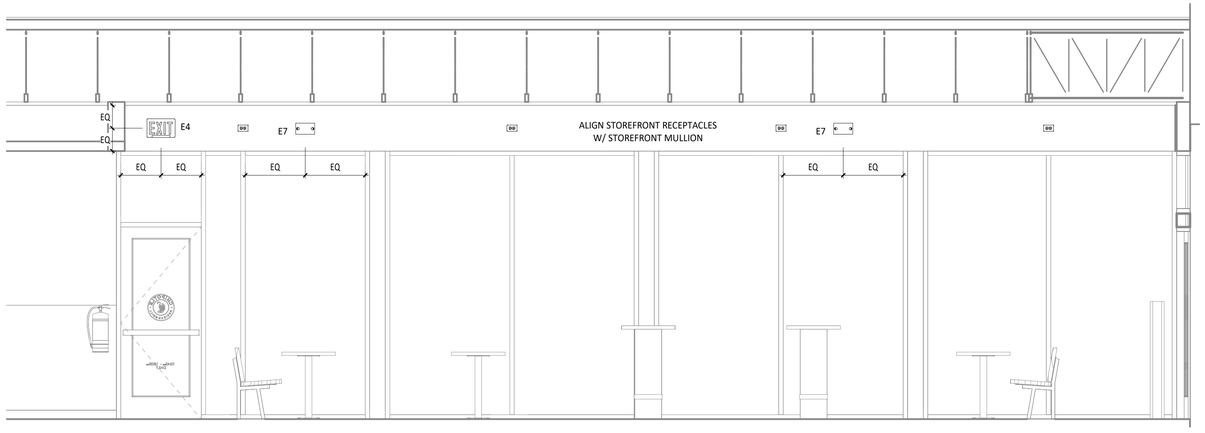
E700




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




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




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

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Drawn: IJD
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231074

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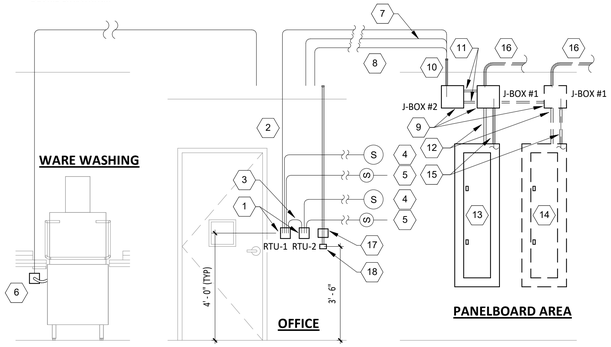
ELECTRICAL INTERIOR ELEVATIONS

E705

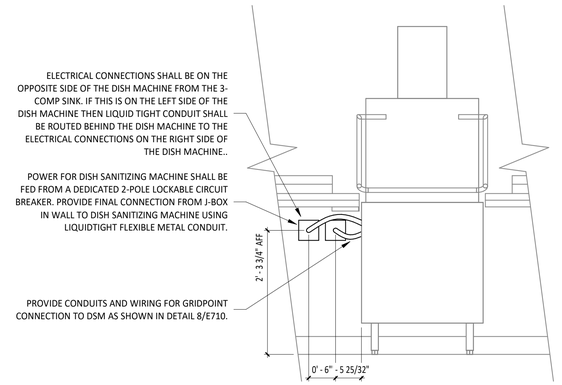
**GRIDPOINT DIAGRAM NOTES**

1. INSTALL GRIDPOINT THERMOSTATS FURNISHED BY TEMS FOR RTU-1 AND RTU-2. PROVIDE THERMOSTAT WIRING FROM EACH THERMOSTAT TO THE CORRESPONDING ROOFTOP UNIT.
2. PROVIDE CAT5E CABLE FROM RTU-1 THERMOSTAT TO J-BOX #2 ABOVE ELECTRICAL PANELS (LEAVE 16" OF CABLE COILED UP INSIDE OF J-BOX #2 AND 16" BEHIND WALL OF THERMOSTAT FOR FINAL CONNECTION TO THE EMS SYSTEM BY THE TEMS) AND LABEL BOTH ENDS OF CABLE "TSTATS".
3. PROVIDE CAT5E CABLE(S) BETWEEN THERMOSTATS (LEAVE 16" OF CABLE BEHIND WALL OF EACH THERMOSTAT FOR FINAL CONNECTION BY THE TEMS) AND LABEL BOTH ENDS OF CABLE "TSTAT JUMPER". SEE GRIDPOINT INSTALLATION INSTRUCTIONS FOR TERMINATION INSTRUCTIONS.
4. INSTALL GRIDPOINT ZONE SENSOR MODULES FURNISHED BY TEMS AS SHOWN ON HVAC FLOOR PLAN. PROVIDE 18G-24G SHIELDED TWISTED PAIR FROM ZSM TO CORRESPONDING THERMOSTAT T1 TERMINALS. SEE GRIDPOINT INSTALLATION INSTRUCTIONS FOR TERMINATION INSTRUCTIONS.
5. INSTALL GRIDPOINT SUPPLY PROBE FURNISHED BY TEMS AS SHOWN ON HVAC FLOOR PLAN. PROVIDE 18G-24G SHIELDED TWISTED PAIR FROM SUPPLY PROBE TO CORRESPONDING THERMOSTAT T2 TERMINALS. SEE GRIDPOINT INSTALLATION INSTRUCTIONS FOR TERMINATION INSTRUCTIONS.
6. PROVIDE 3/4" LIQUIDTIGHT CONDUIT FROM DISH SANITIZING MACHINE TO LOW-VOLTAGE JUNCTION BOX OR TRIM RING FLUSH MOUNTED TO WALL. PROVIDE CONTINUOUS (NOT SPLICED) CAT5E CABLE FROM DISH SANITIZING MACHINE TO OFFICE (ABOVE LAY-IN CEILING) WITH 54" SLACK WITHIN THE DISH MACHINE AND 10' SLACK ABOVE THE LAY-IN CEILING. PROVIDE RJ-12 PLUG ON CABLE AT DISH MACHINE END WITH BLUE WIRE CONNECTED TO PIN 3 AND BLUE/WHITE WIRE CONNECTED TO PIN 4. LABEL CABLE ON BOTH ENDS WITH "DISHWASHER".
7. PROVIDE CAT5 CABLE FROM J-BOX #2 TO OFFICE ABOVE LAY-IN CEILING AND LABEL "RS-485 COMMS" ON BOTH ENDS OF THE CABLE. LEAVE 10' OF SLACK CABLE ABOVE OFFICE CEILING AND 16" OF SLACK CABLE INSIDE OF J-BOX #2.
8. PROVIDE CABLE (18-24AWG SHIELDED TWISTED PAIR) FROM J-BOX #2 TO OFFICE ABOVE LAY-IN CEILING AND LABEL "EMS POWER" ON BOTH ENDS OF THE CABLE. LEAVE 10' OF SLACK CABLE ABOVE OFFICE CEILING AND 16" OF SLACK CABLE INSIDE OF J-BOX #2.
9. PROVIDE SURFACE MOUNT 10" X 10" X 4" NEMA 1 ENCLOSURES ABOVE PANELBOARDS AND 6" BELOW CEILING.
10. PROVIDE 3/4" CONDUIT WITH INSULATING BUSHING ON END CONCEALED IN WALL FROM J-BOX #2 TO 6" ABOVE LAY-IN CEILING.
11. PROVIDE 3/4" CONDUIT(S) FROM J-BOX #1 TO J-BOX #2.
12. PROVIDE EMPTY 1" CONDUIT(S) FROM PANELBOARD(S) TO J-BOX #1 FOR FUTURE CT WIRING BY TEMS.
13. FIRST PANELBOARD FED FROM ELECTRICAL SERVICE. PROVIDE WITH (1) 20A/3-POLE CIRCUIT BREAKER (FOR GRIDPOINT 3 PHASE METER). IF PANELBOARD HAS 120V CIRCUITS AVAILABLE THEN ALSO PROVIDE (1) 20/1-POLE CIRCUIT BREAKER (FOR GRIDPOINT TRANSFORMER).
14. IF SPACE HAS MULTIPLE ELECTRICAL SERVICES THEN PROVIDE A "J-BOX #1" AND ASSOCIATED BREAKERS, CONDUITS, AND CONDUCTORS ON THE FIRST PANELBOARD FED FROM EACH ELECTRICAL SERVICE.
15. FOR EACH ELECTRICAL SERVICE PROVIDE (1) SET OF [(4) #12, #12 G.] FROM 3-POLE GRIDPOINT CIRCUIT BREAKER AND, IF THE PANELBOARD HAS 120V CIRCUITS AVAILABLE, (1) SET OF [(2) #12, #12 G.] FROM 1-POLE GRIDPOINT CIRCUIT BREAKER IN 3/4" CONDUIT CONCEALED IN WALL TO J-BOX #1. TERMINATE IN J-BOX #1 WITH 16" SLACK FOR FINAL CONNECTION BY TEMS.
16. IF THE PANELBOARD DOES NOT HAVE 120V CIRCUITS AVAILABLE PROVIDE A 1-POLE 120V 20A CIRCUIT BREAKER IN A PANEL WITH A 120V CIRCUIT AVAILABLE. PROVIDE (1) SET OF [(2) #12, #12 G.] FROM THE GRIDPOINT CIRCUIT BREAKER IN 3/4" CONDUIT CONCEALED IN WALL TO J-BOX #1. TERMINATE IN J-BOX # 1 WITH 16" SLACK FOR FINAL CONNECTION BY TEMS.
17. GRIDPOINT CONTROLLER PROVIDED BY TEMS
18. PROVIDE HORIZONTAL SINGLE-GANG J-BOX BELOW FUTURE GRIDPOINT CONTROLLER LOCATION AS SHOWN. PROVIDE 3/4" CONDUIT WITH PULL STRING AND INSULATING BUSHING FROM J-BOX TO 6" ABOVE OFFICE LAY-IN CEILING.

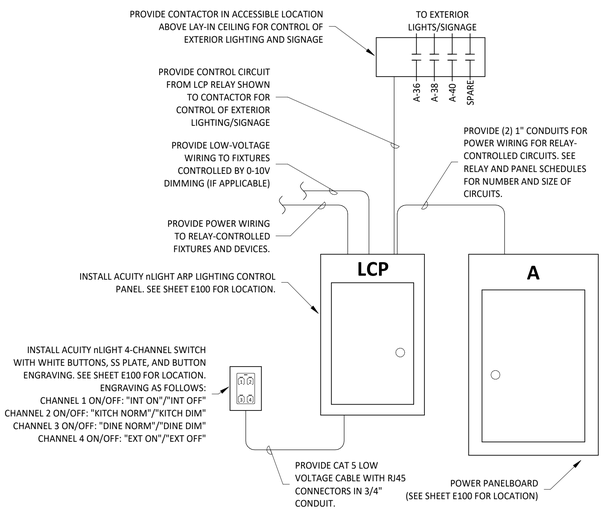
NOTE:
ARRANGEMENT SHOWN IS DIAGRAMMATIC - SEE PLANS FOR ACTUAL DEVICE LOCATIONS.




8 / E710 **GRIDPOINT WIRING DIAGRAM**
NOT TO SCALE




7 / E710 **DISH SANITIZING MACHINE ELECTRICAL DETAIL**
NOT TO SCALE

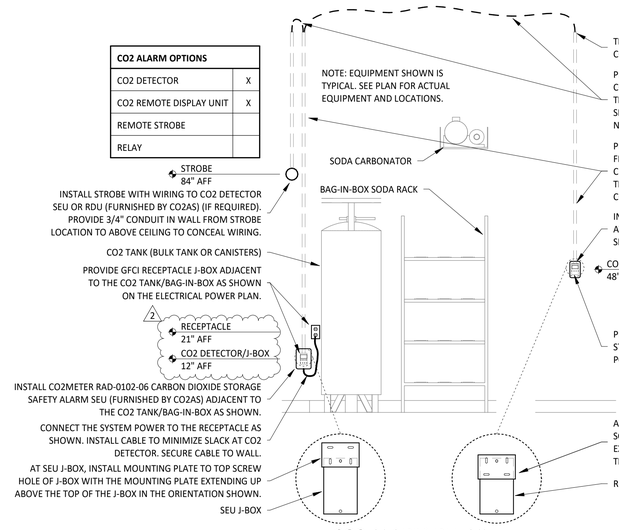



6 / E710 **LIGHTING CONTROL DIAGRAM**
NOT TO SCALE

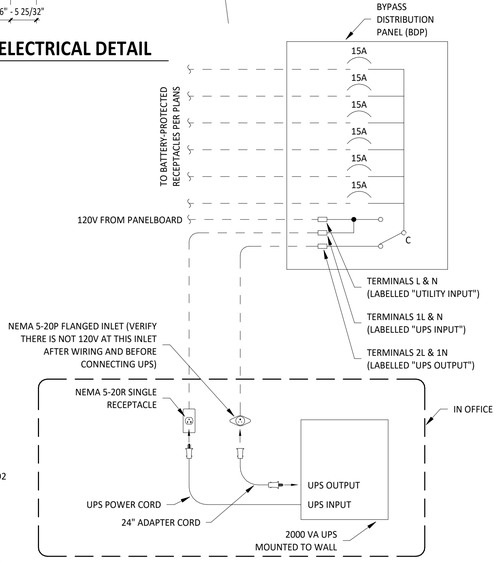
**SEQUENCE OF OPERATIONS**

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

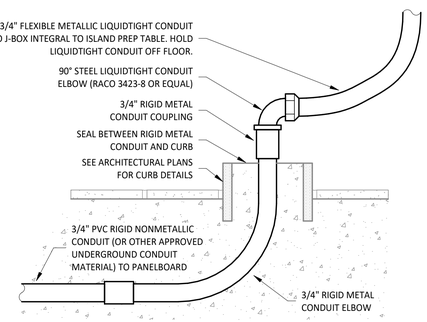
| CO2 ALARM OPTIONS | |
|---|---|
| CO2 DETECTOR | X |
| CO2 REMOTE DISPLAY UNIT | X |
| REMOTE STROBE | |
| RELAY | |



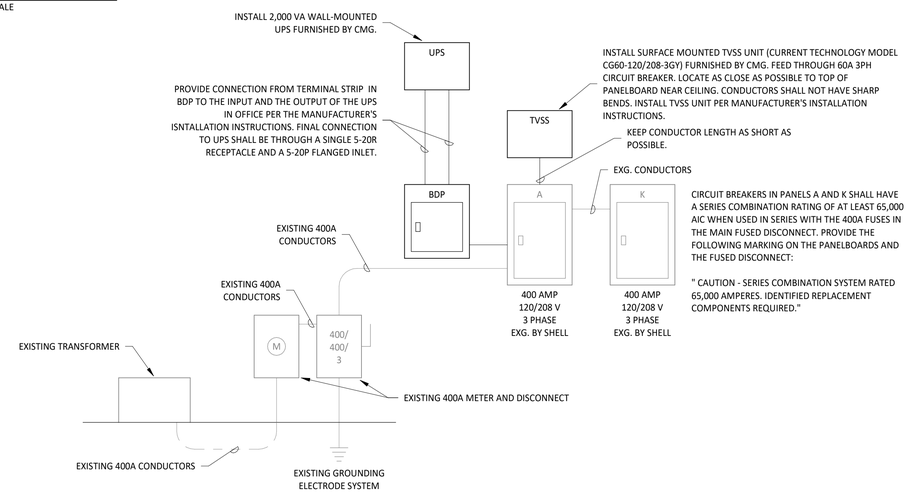

4 / E710 **CO2 ALARM DETAIL**
NOT TO SCALE




3 / E710 **BYPASS DISTRIBUTION PANEL WIRING DIAGRAM**
NOT TO SCALE




2 / E710 **PEDESTAL OUTLET DETAIL**
NOT TO SCALE




1 / E710 **MAIN DISTRIBUTION DIAGRAM**
NOT TO SCALE

5 / E710 **NOT USED**
NOT TO SCALE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8-14-2024



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Issue Record:
01/09/2024 PERMIT ISSUE

Revisions:
2 08/14/24 DB Revs

Drawn: IJD
Checked: AJD

Project No.
231074

Contents:
ELECTRICAL DETAILS

E710