

Dickey's Barbecue Restaurants, Inc.

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DICKEY'S BARBECUE PIT

RETAIL STORE

10411 FREMONT PIKE
PERRYSBURG OH 43551
01/07/2019
Store Number: OH-1844

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01.07.19

LANDLORD'S WORK INCLUDES FURNISHING AND INSTALLING 15 TONS OF CAPACITY ROOFTOP AC UNITS INCLUDING CURB, POWER, OUTLET AND ALL SUPPORTS TO BE INSTALLED IN THE LOCATION INDICATED ON THIS DRAWING. UNIT TO BE A RESTAURANT QUALITY WITH WET BULB ENTHALPY ECONOMIZER AND BAROMETRIC RELIEF DAMPER FOR FRESH AIR INTAKE. NOTE THAT 10 TONS OF AC ARE EXISTING AND 5 TONS ARE REQUIRED TO BE ADDED TO MEET THE REQUIREMENTS OF THE LEASE.

ABBREVIATIONS	SYMBOLS	MAP	SHEET INDEX
<p>Architectural Abbreviations</p> <p># Pound OR Number & And @ At ACT Acoustic Ceiling Tile AD Area Drain AFF Above Finished Floor ALUM Aluminum ANOD Anodized BSMT Basement BYND Beyond BOT Bottom CIP Cast In Place CHNL Channel CJ Control Joint CL Center Line CLG Ceiling CLR Clear CMU Concrete Masonry Unit COL Column COMPR Compressible CONC Concrete CONT Continuous CPT Carpet CT Ceramic Tile CTYD Courtyard DBL Double DEMO Demolish or Demolition DIA Diameter DIM Dimension DIMS Dimensions DN Down DR Door DWG Drawing DS Downspout EA Each EC Electrical Contractor EJ Expansion Joint EL Elevation</p> <p>ELEC Electrical ELEV Elevator or Elevation EPDM Ethylene Propylene Diene M-Class (Roofing) EQ Equal EXIST Existing EXP JT Expansion Joint EXT Exterior FD Floor Drain or Fire Department FEC Fire Extinguisher Cabinet FIXT Fixture FLR Floor FM Filled Metal FO Face Of FND Foundation GA Gauge GALV Galvanized GC General Contractor GWB Gypsum Wall Board HC Hollow Core HI High HM Hollow Metal HP High Point HR Hour HVAC Heating Ventilating Air Conditioning ILO In Lieu Of INSUL Insulated or Insulation INT Interior LO Low MAX Maximum MO Masonry Opening MECH Mechanical MEMBR Membrane MIN Minimum MRGWB Moisture-Resistant Gypsum Wall Board MTL Metal NIC Not In Contract NO Number</p> <p>NOM Nominal OC On Center OH Opposite Hand OZ Ounce PC Plumbing Contractor PCC Pre-Cast Concrete PLMB Plumbing PLYD Plywood PT Pressure Treated PNT Point or Painted PVC Polyvinyl Chloride RBR Rubber RCP Reflected Ceiling Plan RD Roof Drain REQD Required RM Room SIM Similar SPEC Specified OR Specification SPK Sprinkler or Speaker SSTL Stainless Steel STL Steel STRUCT Structure or Structural T&G Tongue And Groove TELE Telephone TLT Toilet TO Top Of TOC Top Of Concrete TOS Top Of Steel TPD Toilet Paper Dispenser T/D Telephone/Data TYP Typical UNO Unless Noted Otherwise U/S Underside VIF Verify in Field VP Vision Panel W/ With WD Wood</p>	<p>SYMBOLS</p> <p>1 A2 DETAIL SHEET</p> <p>1 A2 SECTION CUT SHEET</p> <p>1 A2 DETAIL SHEET</p> <p>1 WINDOW NUMBER</p> <p>A GLASS TYPE</p> <p>3 KEYED NOTE</p> <p>ROOM NAME</p> <p>001 FINISH DESIGNATION</p> <p>1 DOOR NUMBER</p> <p>A WALL TYPE</p> <p>N NORTH ARROW</p> <p>REVISION NUMBER</p> <p>12 EQUIPMENT NUMBER</p>	<p>MAP</p> <p>DICKEY'S BBQ 10411 FREMONT PIKE</p> <p>DUMPSTER</p>	<p>SHEET INDEX</p> <p>T1.0 Cover/Title Sheet (This Page) General Notes T1.1 Specifications A1.0 Code Life Safety Plan A2.0 Floor and Reflected Ceiling Plans Door Schedule A2.1 Finish Plan and Schedule A2.2 Interior Details A3.0 Equipment Plan and Schedule A8.0 Dining Elevations A8.1 Dining and Kitchen Elevations A8.2 Restroom Elevations and Details P1.0 Plumbing Schedules and Notes P2.0 Plumbing Waste Vent and Water Plans P2.1 Plumbing Gas Piping Plan P3.0 Plumbing Details M1.0 Mechanical HVAC Plan and Schedules M2.0 Mechanical Roof Plan and Details M3.0 Kitchen Hood Details M4.0 Kitchen Hood Details E1.0 Electrical Notes and Panel E2.0 Electrical Lighting Schedule and Plan E2.1 Electrical Equipment Schedule and Power Plan E2.2 Electrical Roof and Data Plan</p> <p>CLICK LINK TO SITE SURVEY--CONTRACTOR IS RESPONSIBLE FOR IDENTIFIABLE EXISTING CONDITIONS AND INFORMATION</p>

GENERAL NOTES	OVEN DELIVERY
<ol style="list-style-type: none"> These General Notes are instructions to the Contractor and apply generally to all the work unless more specific information is shown in drawings or written in the specifications, standards and/or contracts. All construction work shall be in accordance with the most current drawings, specifications and standards as modified by the Architect/Engineer--do not use outdated drawings. An approved set of plans shall be maintained on the job site at all times. All construction shall conform to the best practice of each trade. Unless shown or noted otherwise, construction details or practices are common to the standard of the trade and per manufacturer's instructions. All construction shall conform to the applicable codes and authority requirements. Provide partial lien waivers with any request for payment and final waivers at completion of the work and Certificate of Occupancy The General Contractor is solely responsible for the scheduling and coordination of the work by all trades and the delivery of equipment. Complete the work in the following sequence--provide a schedule indicating the projected start and completion of each event AND FOR HOOD/OVEN, WALK-IN AND EQUIPMENT DELIVERY DATES: <ol style="list-style-type: none"> Demolition and space preparation--schedule utility services if required Underground utilities, testing, inspection, photograph Rough-in, keep the floors clear and unobstructed for all trades requiring ladders and scaffolding Rough-in testing and inspection--photograph all rough-in prior to covering and photograph each signed off inspection sheet--send to architect for verification prior to payment Install flooring under ovens and any flooring that extends under the walk in walls Install ovens and walk in upon arrival, install hood duct and fan, light test in the presence of the Fire Marshall and then wrap duct. PROTECT OVENS AND HOOD FROM DAMAGE Install finishes Set fixtures, equipment, furnishing, signage and install trim Schedule final inspections in the proper order and obtain the Certificate of Occupancy The contractor shall visit the site prior to contract bidding and familiarize himself with any conditions relevant to the successful construction of the store. The General contractor shall provide fire extinguisher in the locations and quantities and directed by the Fire Marshall but shall provide at least one. ALL SHELVES, SINKS, AND GRAB BARS ARE TO BE MOUNTED ON SOLID BACKING AND WOOD BACKING MATERIALS ARE TO BE FIRE RATED IN FIRE WALLS HOODS ARE TO SUPPORTED ON HEAVY DUTY UNISTRUT OR 3X3X1/4" STEEL ANGLES SPANNING BETWEEN FRAMING MEMBERS WITH 4@3/8" THREADED RODS EXTENDING DOWN TO BRACKETS ON THE HOOD. THE HOOD WEIGHS 710# AND EACH ROD CAN SUPPORT 6003 FOR A TOTAL OF 2400# Oven and hood to be set before counters Accept, unload, and check all equipment and material deliveries to the store--PROTECT ALL EQUIPMENT AND MATERIALS AND if necessary arrange for offsite storage. Assemble and place equipment and remove all films and clean and polish. Seal all tile joints with penetrating silicone sealant in two applications after the grout has been allowed to fully cure Seal small joints with flush clear silicone caulk. Prepare floors for smooth finish installation with no telegraphing. Bridge cracks in concrete floors with elastomeric membrane primed and fully adhered to floor--use RedGard liquid for cracks up to 1/8" and Crack Buster sheet for cracks up to 3/8" Custom Building Products 800.272.8786. Drawings have been submitted for review by the Building and Health Departments. The Contractor shall obtain the necessary permits required for the works shown on these drawings prior to the start of the construction. The Contractor shall locate and uncover all the underground utilities in advance of the construction and inform the Architect/Engineer of locations and depths and any issues related thereto or conflicts. DO NOT DAMAGE THE BUILDING UTILITIES. Backfilling shall not be started until newly installed underground piping is tested and inspected. Backfill shall be installed in accordance with the relevant standards in 6 inch compacted lifts. Keep dust and noise to an absolute minimum and protect the adjacent spaces from water penetration during cutting and cleaning operations. Clean up after completed work at the end of each day and keep the jobsite free and clear of any debris. Store materials carefully and if required obtain and pay for off-site storage. Disposal of and stockpiling of excess material within the planning area shall be done in such a way that it will not create a nuisance to the ongoing works in general and the neighboring surroundings. The Contractor shall not trespass beyond the project boundary lines unless a permit or written authorization has been obtained from the neighboring property owners involved. Any damage on public area and/or on the clients premises caused by the ongoing project works shall be restored in its original condition, with no additional cost implication to the owners involved, as per following requirements: Trim all exposed tile corners in the kitchen with 1-1/2" Schluter stainless steel corner guards - see plans. Miter all other tile and wood wainscot corners--allow no exposed end grain. Locate utilities before cutting or digging--know where they are and mark them--underground utilities shown on the plans are schematic only. It the contractor's responsibility to locate and avoid interference with existing lines. ADA standards are to be followed and in general 40 inch clearance is maintained throughout the store and 36 inches at limited passageways. Questions about ADA heights and clearances should be directed to the Architect. All door hardware, lavatory fixtures and faucets shall meet ADA standards. Gypsum Wall Board and ceilings: Provide US manufactured materials and finish in accordance with the Gypsum Board Association's guidelines and instructions. Follow fire rated assembly construction and mark wall ratings in 4" red letters above ceiling every 10'. Use vertical expansion track at all decks or framing members. 1/2" thickness may be used behind scheduled wall finish if rating is not required. Use greenboard in all wet areas. Meet with inspector and fire marshal-- provide fire rated sealants where required and flash wall to floor along demising walls. Use fire treated wood and plywood for backing where wood is not allowed. Install ceilings in strict accordance with the manufacturer's instruction. Metal or Wood Frames Walls: Use wood framing only where allowed and metal framing where the building is not allowed to have combustible materials. Provide materials from a Steel Framing Industry Association (SFIA) member and follow the guidelines and instructions set forth by SFIA. Do not install walk-in cooler tight to walls--allow min 1" air space Stub wall closure is to be trimmed with FRP corner molding. Any exposed corners of walk in cooler are to be trimmed with 1-1/2" Schluter stainless steel corner guards - see plans. Conform to manufacturer's installation instructions and provide all warranties. Contact national suppliers and provide field measurements and photos for proper fabrication and installation. Consult as necessary to create order and shop drawings. Review and approve shop drawings and orders--consult with Architect only on specific questions and issues. Dimensions are to face of finish unless clearly shown otherwise. The General contractor shall layout equipment and walls and clearly and accurately instruct other trades as to locations for rough in and provide study support for all rough in to hold in place through finish. The General Contractor is to hang the front window signs, the menu boards, ADA SIGNS, AND THE HEALTH RELATED SIGNS REQUIRED FOR INSPECTION AT HAND SINKS Lighting package for entire store is provided by CED National Accounts. Dining room chandelier provided by Stanford Sonoma. GC to install only. The Ansul Fire Suppression system is supplied with the Hood. GC to furnish shop drawings to the Fire and/or Building Department as required. GC to install hood with ansul fire suppression system. 	<p>OVEN DELIVERY</p> <p>The General Contractor is to coordinate the delivery of the oven. If an opening of at least 50" wide and 78" high is not available then the General Contractor is required to create a temporary opening as necessary for getting the oven into the space. Coordinate exterior work by obtaining the approval of the Landlord, carefully creating the opening and then by patching the opening back to it's original finish so it is not detectable. If the opening is open overnight then provide a secure temporary closure.</p>

NOTE: GENERAL INFORMATION, CONDITIONS OF CONTRACT AND SUPPLEMENTAL CONTRACT CONDITIONS ARE REQUIRED BY DICKEY'S RESTAURANTS INCORPORATED AND ARE FULLY PART OF THIS WORK.

SECTION 03 3000 CAST-IN-PLACE CONCRETE

MATERIALS

4000 PSI

EXECUTION: Install concrete smooth and flush to receive floor finishes. Install 2" long/5/8" dowels at 48" OC both sides of trench cuts. Float low spots with leveler and grind off high spots so no telegraphing of trenches is evident.

SECTION 04215 BRICK PANEL SYSTEMS

BRICK PANEL SYSTEMS

Brick Panel Systems: System for aligning and locking thin brick to a substrate that does not depend on adhesive for its performance. System Type: Brick-it Designer Metal Grid System.

Brick, Per Dickey's specification
Mortar: Premixed mortar supplied by manufacturer. ASTM C 270. Mortar Color: Grey
Fasteners: Non-corrosive ribbed nails, screws or staples, designed for applicable substrate
Adhesives: High solid, solvent based adhesive that remains flexible and unaffected by freeze-thaw cycles, as supplied by Brick-it.
Water: Shall be clean, potable, and free of all foreign matter.

Prior to installation, examine substrate for conditions including soundness, tightness of connections, crumbling or looseness of surfaces, and projections. Verify substrate is acceptable to authorities having jurisdiction prior to installation of the work of this Section. Repair damaged or cracked surfaces. Prepare substrate to be flat, within 1/8 inch (3.2 mm) within any 4' (1.2 m) square area.

INSTALLATION
Install in accordance with manufacturer's written instructions as applicable to each type of substrate required. Install bricks to specified pattern and mortar.

SECTION 06 4100 ARCHITECTURAL WOOD CASEWORK

MANUFACTURERS

Acceptable Manufacturers - Plastic Laminate:
Formica Corp. (www.formica.com)
Wilsonart International, Inc. (www.wilsonart.com)

MATERIALS

Lumber:

Graded in accordance with AIAWIAWACWII Architectural Woodwork Standards, Section 3 requirements for quality grade specified, average moisture content of 6 percent.

Exposed and semi-exposed locations: Closed grain hardwood, of quality suitable for opaque finish.

Plastic Laminate: NEMA LD-3.
High pressure decorative laminate:
Horizontal surfaces:
Backing sheet: 3/4 inch INT-APA A-D plywood.

Vertical surfaces:
Backing sheet: 25/32 inch exterior grade plywood.
Colors:
Formica #459-58 "Bright White" Matte Finish
Formica #909-58 "Black" Matte Finish
Wilsonart #750K-18 "Studio Teak" Linearity Finish

ACCESSORIES
Fasteners: Type and size as required by conditions of use.
Adhesives:
Waterproof, water based type, compatible with backing and laminate materials.
Finish Hardware: As scheduled at end of Section.

FABRICATION
Plastic Laminate Countertops:
Quality AIAWIAWACWII Architectural Woodwork Standards, Section 11, Premium Grade.
Fabricate from sheet product with lumber fronts.

Provide holes and cutouts for mounting of accessories.
Shop assemble for delivery to project site in units easily handled. Prior to fabrication, field verify dimensions to ensure correct fit. Apply plastic laminate in full uninterfered sheets, fit corners and joints to hairline. Slightly bevel edges. Apply laminate backing sheet to reverse side of laminate faced surfaces. Where field fitting is required, provide ample allowance for cutting. Provide trim for scrubbing and site conditions. Provide cutouts and reinforcement for plumbing, electrical, appliances, and accessories. Prime paint surfaces of cut edges.

EXECUTION
Install in accordance with AIAWIAWACWII Architectural Woodwork Standards. Set plumb, right and level. Scribe to adjacent construction with maximum 1/8 inch gags. Fill joints between tops and adjacent construction with joint sealer as specified in Section 07 9200. Finish flush.

FINISH HARDWARE SCHEDULE
Shelves shall be installed on heavy duty, adjustable knife brackets, Knapé & Vogt No. 180-12, and Knapé & Vogt No. 80 standards, as noted on Drawings. Standards and brackets to be steel with anochrome finish. Isolated, individual shelves shall be mounted directly to the wall with Knapé & Vogt No. 294 steel brackets, anochrome finish, and length as shown on the Drawings.

WOOD TRIM

MATERIALS-National Account--Interior Trim:
As part of Southwest Sonoma branding package per DBRI

ACCESSORIES
Fasteners: Type and size as required by conditions of use; plain steel for interior use; hot dip galvanized steel for exterior use.
Adhesives:
Waterproof, water based type, compatible with trim and substrate materials.
Fasteners: Type and size as required by conditions of use; plain steel for interior use; hot dip galvanized steel for exterior use.

FINISHES
Pre finished and touched up in field
Paint or stain as indicated on drawings

PREPARATION
Provide blocking at all locations to 300 lb pull out all of each fastener.
Prior to installation, condition wood to average humidity that will prevail after installation.

INSTALLATION
Install in accordance with AIAWIAWACWII Architectural Woodwork Standards.
Install in longest practical lengths.
Set plumb and level.
Miter ends, corners, and intersections.
Scribe to adjacent construction with maximum paper thick gags.
Fasten or adhere to supporting construction.

SECTION 07 2115 BATT INSULATION

MATERIALS

Thermal Batt Insulation:
Type: ASTM G065, glass fiber composition.
Facing: Reinforced Kraft paper vapor barrier on one side with stapling flanges or aluminum foil/scriem/Kraft paper vapor barrier on one side with stapling flanges.
Free from urea-formaldehyde resins.
Thermal resistance:
3-1/2 inches thick: R-value of 11.00.
3-1/2 inches thick: R-value of 13.00.
6-1/4 inches thick: R-value of 19.00.
6-1/2 inches thick: R-value of 22.0.
8-1/2 inches thick: R-value of 25.0.
9 inches thick: R-value of 26.0.
10 inches thick: R-value of 30.00.
12 inches thick: R-value of 38.00.

INSTALLATION
Staple or nail in place at maximum 12 inches on center.
Butt insulation to adjacent construction. Butt ends and edges.
Carry insulation around pipes, wiring, boxes, and other components.
Ensure complete enclosure of spaces without voids.

Apply with vapor barrier facing towards exterior or interior of structure based on local climate design requirements.
Tape seal lapped flanges, butt ends, and tears and holes in facings.

SECTION 07 9200 JOINT SEALERS

MATERIALS

Joint Sealer Type 1:
ASTM C920, Grade NS, single component butyl rubber type, non sag.
Movement capability: Plus or minus 12-1/2 percent.
Color: To be selected from manufacturer's full color range, match adjacent finish.

Joint Sealer Type 2:
ASTM C920, Grade NS, single component silicone, non sag, mildew resistant.
Movement capability: Plus or minus 25 percent.
Color: To be selected from manufacturer's full color range, match adjacent finish.

ACCESSORIES
Primers, Bondbreakers, and Solvents: As recommended by sealer manufacturer.
Joint Backing:
ASTM C1330, closed cell polyethylene foam, preformed round joint filler, non absorbing, non staining, resilient, compatible with sealer and primer, recommended by sealer manufacturer for each sealer type.

Size: Minimum 1.25 times joint width.
PREPARATION
Remove loose and foreign matter that could impair adhesion. If surface has been subject to chemical contamination, contact sealer manufacturer for recommendation.
Clean and prime joints in accordance with manufacturer's instructions.
Protect adjacent surfaces with masking tape or protective coverings.

Sealer Dimensions:
Minimum joint size: 1/4 x 1/4 inch
Joints: 1/4 to 1/2 inch wide; Depth equal to width.
Joints over 1/2 inch wide: Depth equal to one half of width.

APPLICATION
Apply products in accordance with manufacturer's instructions.
Install sealers and accessories in accordance with ASTM C1193.
Install joint backing to maintain required sealer dimensions. Compress backing approximately 25 percent without puncturing skin. Do not twist or stretch.
Use bondbreaker tape where joint backing is not installed.
Fill joints full without air pockets, embedded materials, ridges, and sags.
Tool sealer to smooth profile.
Apply sealer within manufacturer's recommended temperature range.
CLEANING
Clean adjacent surfaces.

SECTION 08 1113 HOLLOW METAL DOORS AND FRAMES

Acceptable Manufacturers: National Account Trimco.
MATERIALS
Steel Sheet: ASTM A1008/1008M, cold rolled-and galvanized at exterior.
Door Core: Exterior doors: Foamed-in-place polyurethane insulation and galvanized FABRICATION
Fabricate doors and frames in accordance with ANSISDI A250.8.
Fabricate exterior doors and frames from galvanized steel sheet.
Doors:
Fabricate from minimum 18 ga sheets.
Close top and bottom edges of doors with steel channel, minimum 16, gage, extending full width of door, and spot welded to both faces, with top channel flush and bottom channel recessed.

Frames:
Fabricate from minimum 18 gage sheets.
Provide self-aligning tabs and slots to hold corners in alignment.
Anchors:
Provide one anchor at each jamb for each 30 inches of door height.
Provide one floor anchor welded to each jamb.
Do not use metallic filler to conceal manufacturing defects.
Fabricate with internal reinforcement for hardware specified in Section 08 1700, weld in place.
Design Clearances:
Between door and frame: Maximum 3/4 inch.
Unreheated doors: Maximum 3/4 inch.
Between face of door and stop: 1/16 to 3/32 inch.

INSTALLATION
Install doors and frames in accordance with ANSISDI A250.11.
Set plumb and level.
Secure to adjacent construction using fastener type best suited to application.
ADJUSTING: Touch up minor scratches and abrasions in primer paint to match factory finish.

SECTION 08 1416 FLUSH WOOD DOORS

MATERIALS--Order through National Account
Flush Wood Doors: WDMA LS 1A, Pre-Hung Trimly
Core type: Solid, non-rated Type PC- Particleboard Core, bonded.
Wood veneer faces: Closed grain hardwood, of quality suitable for opaque finish.
Adhesives: Water Resistant.

FABRICATION
Fabricate doors in accordance with WDMA LS 1A.
Performance duty level: Heavy Duty.
Number of plies: 5.

SECTION 087100 DOOR HARDWARE

MATERIALS--Order through National Account
INSTALLATION
Install hardware in accordance with approved hardware schedule and manufacturer's instructions. Install mortise items flush with adjacent surfaces.
Install locksets, closers, and trim after finish painting. Set thresholds in mastic and secure. Mount closers so that closers and closer arms are not visible on corridor or public side of doors or on exterior of building.
PROTECTION Remove or protect hardware until painting is completed.
ADJUSTING Test and adjust hardware for smooth, quiet operation, free from binding and rattling.
Adjust doors to operate with maximum opening forces in accordance with applicable accessibility code.

Hardware Schedule:
See No. 1 Storefront doors. Clean and adjust doors and hardware--change out cylinder and match keying to back door. Finish 10 keys to owner.
See No. 2 - Doors from Toilets to Hall. (Order from National Account pre-hung/prepped--See door schedule and floor plan for quantity, size and direction of swing.)
o 1-1/2 pair butts
o 1 lockset
o 1 floor stop
o 1 closer

See No. 3 - Door to Exterior. Metal door and frame. (Clean and repair and adjust this door to like new condition and order replacement or add-on hardware as required from national account or furnish locally. Replace cylinder at the end of project keyset alike to front door. See door schedule and floor plan for quantity, size and direction of swing.)
o 3 ea. hinges, Hager BB1191 32D if required
o 1 lockset, Hager 3495 WTN US26D if required
o 1 closer, Hager 5100 PA 1-6 HDHOS ALM if required
o 1 threshold, Hager 413S ML, if required
o 1 sweep, Hager 802S B MI, if required
o 1 holdertop, Hager 296S US26D if required
o 1 set wastitng, Hager 802S B MI, if required
o 1 lock guard, Hager 341D 32D if required
o 1 door viewer required, Hager 1756 US26D All door viewer: Model #-VLGF-WD, 6" x 5", National Guard Products

See No. 4 Kitchen or Storage Door (May not be ordered. Order from National Account pre-hung/prepped--See door schedule and floor plan for quantity, size and direction of swing.)
o 1-1/2 pair butts
o 1 lockset
o 1 floor stop
o 1 closer
o 2 Kick Plates (Kitchen door only)

SECTION 092900

GYPSUM BOARD

Gypsum Association (GA) (www.gypsum.org)
GA-214 - Levels of Gypsum Board Finish.
GA-216 - Recommended Specifications for the Application and Finishing of Gypsum Board.
GA-600 - Fire Resistance Design Manual.
PROJECT CONDITIONS
Do not install gypsum board until building is substantially weathertight.
Maintain temperature in spaces in which work is being performed above 50 degrees F during and after installation.

MANUFACTURERS
Acceptable Manufacturers - Gypsum Panels:
GP Gypsum Corporation (www.gp.com)
National Gypsum Co. (www.nationalgypsum.com)
Temple-Inland (www.templeinland.com)
USG Corporation (www.usg.com)
Acceptable Manufacturers - Cementitious Panels:
USG Corporation (www.usg.com)

MATERIALS - GYPSUM PANELS
Regular Gypsum Board: ASTM C1396: 48 inches wide x thickness indicated, maximum practical length, tapered edge.
Fire Resistant Gypsum Board: ASTM C1396, Type X, 48 inches wide x thickness indicated, maximum practical length, tapered edge; apply to fire rated assemblies.
Water Resistant Gypsum Board: ASTM C1396: 48 inches wide x thickness indicated, maximum practical length, water resistant; apply to walls to receive tile, sanitary wall panels and walls at locations specified on drawings.

Fire Resistant, Water Resistant Gypsum Board: ASTM C1396, Type X, 48 inches wide x thickness indicated, maximum practical length, water resistant; apply to walls to receive tile, sanitary wall panels and walls at locations specified on drawings.
FIRE RESISTANT, WATER RESISTANT GYPSUM BOARD: ASTM C1396, Type X, 48 inches wide x thickness indicated, maximum practical length, water resistant; apply to walls to receive tile, sanitary wall panels and walls at locations specified on drawings.

MATERIALS - CEMENTITIOUS PANELS
Cementitious Panels: ANSI A118.9, high density, cementitious with glass fiber reinforcing, 5/8 inch thick x 48 inches wide, maximum practical length, ends and edges square cut; apply to walls in locations as indicated on drawings.

ACCESSORIES
Fasteners: ASTM C1002, Type W screws, minimum 5/8 inch penetration into framing.
Adhesive:
Type recommended by gypsum panel manufacturer.
Trim Accessories: ASTM C1047.
Material: Formed steel, minimum 26 gage core steel, hot dip galvanized finish, expanded flanges.
Corner reinforcement: GA-216, Type CB-100 x 100.
Casing: GA-216, Type LC.
Control joint.

Joint Treatment Materials:
Reinforcing tape and joint compound: ASTM C475.
INSTALLATION
Install panels and accessories in accordance with ASTM C754, GA-216, and manufacturer's instructions.
Apply panels at fire-rated assemblies as required by design assembly.
INSTALLATION OF CEMENTITIOUS PANELS
Install cementitious panel in accordance with ANSI A108.11 and manufacturer's instructions.
Install control joints at walls and partitions:
At all changes in backing material.
At maximum 30 feet on center.
Above one jamb of openings in partitions.

JOINT TREATMENT
Treat joints and fasteners in gypsum board in accordance with GA-214.
Levels of Finish:
Surfaces in service areas: Level 1 finish.
Surfaces to receive tile: Level 2 finish.
Surfaces to receive wall coverings: Level 4 finish.
Surfaces to receive semigloss or gloss paints: Level 5 finish.

SECTION 093000 TILING

MANUFACTURERS

Per drawings and Dickey's Standard
MATERIALS
Tile: Emser E-Quarry and E-Quarry Abrasive
Size: 6"x6" and 6"x6" Cove Base - 3/8" thick, pressed edge
Color: Brick, Matte Finish
Trim units: Beads, covers, and bullnoses, color to match tile.
Tile: Emser Area Glossy Ceramic
Size: 6"x6" and 6"x6" Cove Base, 1/4" thick, pressed edge
Color: Logic White
Trim units: Beads, covers, and bullnoses, color to match tile.

ACCESSORIES
See Drawings for corner guards, wall trim and floor ramp details.
Latex-Portland Cement Mortar: ANSI A118.4, polymer modified dry set type.
Dry Set Portland Cement Mortar: ANSI A118.1, polymer modified dry set type.
Epoxy Adhesive:
ANSI A118.3, thin set bond type.

PREPARATION
Clean surfaces to remove loose and foreign matter that could impair adhesion.
Remove ridges and projections. Fill voids and depressions with patching compound compatible with setting materials.
Allowable Substrate Tolerances:
Thin set method:
Maximum variation in substrate surface: 1/8 inch in 8 feet.
Maximum height of abrupt irregularities: 1/32 inch.
Thick set method: Maximum 1/4 inch in 10 feet variation in substrate surface.
Tile concrete substrates to ASTM D4263; do not install tile until surfaces are sufficiently dry.

INSTALLATION
Install crack suppression membrane in accordance with manufacturer's instructions.
Methods:
Walls: ANSI A108.6, thin set with epoxy adhesive.
Floors: ANSI A108.5, thin set with latex-portland cement mortar.
Minimize pieces less than one half size. Locate cuts to be inconspicuous.
Lay tile to pattern shown on Drawings. Do not interrupt tile pattern through openings.
Joint Widths:
Ceramic tile: 1/8 inch, plus or minus 1/16 inch.
Porcelain and Quarry tile: 1/4 inch, plus or minus 1/8 inch.
Make joints watertight, without voids, cracks, excess mortar, or excess grout. Align joints in wall and floor of same-sized tile.

Fit tile around projections and at perimeter. Smooth and clean out edges. Ensure that trim will completely cover out edges. Miter all outside corners of tile.
Install Trim:
Inside corners: Cove units.
Outside corners: Bead units.
Base: Base units.

Exposed tile ends: Bullnose units.
Allow tile to set for a minimum of 48 hours before grouting.
Grout tile joints in accordance with ANSI A108.10 without excess grout.

SECTION 095100 ACOUSTICAL CEILING

MANUFACTURERS

Acceptable Manufacturers - Suspension System:
Armstrong World Industries
USG Corporation (www.usg.com)
Acceptable Manufacturers - Acoustical Units:
Armstrong World Industries
USG Corporation (www.usg.com)
Substitutions: Not permitted.

MATERIALS
Suspension Grid System:
Grid type: Exposed T.
Material: Galvanized steel.
Runners: 1-1/2 inches high, 15/16 inch exposed width, flush slotted profile.
Perimeter molding: Angle shape.
Finish: Factory applied enamel paint, sprayed and baked. Color: See Finish Schedule
Accessories: Stabilizer bars, clips and splices.

Acoustical Panels (Public Areas):
Size: 24 x 48 inches x 3/4 inch thick.
Edge configuration: Square.
Performance requirements: Tested in accordance with ASTM E1264.
NRC: 0.55
CAC: 35.

Light reflectance: LR-0.84.
Acoustical Panels (Kitchen, Service Line and Food Areas):
Finish: Embossed, vinyl-laminated face with sealed back and edges, color: white
Size: 24 x 48 inches x 5/8 inch thick.
Edge configuration: Square.
Performance requirements: Tested in accordance with ASTM E1264.
NRC: N/A
CAC: 40.

Light reflectance: LR-0.80.
ACCESSORIES
Support Channels: Galvanized steel; size and type to suit application.

ASTM A841, minimum 12 gage galvanized steel.
Touch-Up Paint: Color to match acoustical panels and suspension grid.
INSTALLATION
Install ceilings in accordance with ASTM C836 and CSCA Handbook. Minimize panels less than one half size. Miter molding around perimeter and abutting surfaces. Miter molding at exterior corners; cut flanges and bend web to form interior corners. Space hanger wires maximum 48 inches on center. Install additional hangers where required to support light fixtures and ceiling supported equipment. Do not support hangers directly from metal deck. Attach steel channel horizontally to adjacent framing members; place hanger at regular spacing. Hang suspension system independent of walls, columns, ducts, pipes, and conduit.

Where ducts or other equipment prevent regular spacing of hangers: Reinforce nearest-rated hangers to span entire distance, or Suspend steel channel horizontally beneath duct or equipment; place hanger at regular spacing.
Install main tees at maximum 48 inches on center. Install cross tees to form 24 x 48 inch modules. Lock cross tees to main tees. Support ends of tees on flange of perimeter molding.
Place acoustical panels with edges resting flat on suspension grid.
Cut to fit irregular grid and perimeter edge trim and around penetrations.
Locate cuts to be concealed.
Cut and field panel exposed edges of reveal edge units to match factory edge.
Installation Tolerances: Ceilings level to 1/8 inch in 12 feet measured in any direction.
ADJUSTING
Touch up minor scratches and abrasions to match factory finish.

096519 RESILIENT FLOOR TILING

MATERIALS
Sheet LVP-69
INSTALLATION
Install flooring and accessories after the other finishing operations, including painting, have been completed. Close spaces to traffic during the installation of the flooring Do not install flooring over concrete slabs until they are sufficiently dry to achieve a bond with the adhesive, in accordance with the manufacturer's recommended bond, moisture tests and pH test. Resilient Flooring: Submit a written warranty associated by the manufacturer, agreeing to repair or replace resilient flooring that falls within the warranty period. Maintain a minimum temperature in the spaces to receive the flooring and accessories of 65°F (19°C) and a maximum temperature of 100°F (38°C) [85°F (29°C)] for at least 48 hours before, during, and for not less than 48 hours after installation. Tiles/Plaster: maintain a minimum temperature of 55°F (13°C) in areas where work is completed. Protect all materials from the direct flow of heat from hot-air registers, radiators, or other heating fixtures and appliances. Compliance: Comply with manufacturer's product data, including technical bulletins, product catalog, installation instructions, and product contact instructions for installation and maintenance procedures as needed. Failure to comply may result in voiding the manufacturer's warranty.

EXAMINATION
Site Verification of Conditions: Verify substrate conditions (which have been previously installed under other sections) are acceptable for product installation in accordance with manufacturer's instructions (i.e. moisture tests, bond test, pH test, etc.).
Visually inspect flooring materials, adhesives and accessories prior to installation. Flooring material with visual defects shall not be installed and shall not be considered a legitimate claim.
Examine subfloors prior to installation to determine that surfaces are smooth and free from cracks, holes, ridges, and other defects that might prevent adhesive bond or impair durability or appearance of the flooring material.
Inspect subfloors prior to installation to determine that surfaces are free from curing, sealing, parting and hardening compounds, residual adhesives, adhesive removers, and other foreign materials that might prevent adhesive bond. Visually inspect for evidence of moisture, alkaline salts, carbonation, dusting, mold, or mildew.
Report conditions contrary to contract requirements that would prevent a proper installation. Do not proceed with the installation until unsatisfactory conditions have been corrected.
Failure to call attention to defects or imperfections will be construed as acceptance and approval of the subfloor. Installation indicates acceptance of substrates with regard to conditions existing at the time of installation.

PREPARATION
Subfloor Preparation: Smooth concrete surfaces, removing rough areas, projections, ridges, and bumps, and filling low spots, control or construction joints, and other defects with Manufacturer's Fast-Setting Cement-Based Patch and Underlayment--Cement-Based Patch--Underlayment and Embossing Leveler as recommended by the flooring manufacturer. Refer to ASTM F 710
Subfloor Cleaning: The surface shall be free of dust, solvents, varnish, paint, wax, oil, grease, sealers, release agents, curing compounds, residual adhesive, adhesive removers and other foreign materials that might affect the adhesion of resilient flooring to the concrete or cause a discoloration of the flooring from below. Remove residual adhesives as recommended by the flooring manufacturer. Remove curing and hardening compounds not compatible with the adhesives used, as indicated by a bond test or by the compound manufacturer's recommendations for flooring. Avoid organic solvents. Spray paints, permanent markers and other indelible ink markers must not be used to write on the back of the flooring material or used to mark the concrete slab as they could bleed through, telegraphing up to the surface and permanently staining the flooring material. If these contaminants are present on the substrate, they must be mechanically removed prior to the installation of the flooring material. Refer to the Manufacturer's Standard Practice

Remove all paint, varnish, oil and wax from all subfloors. Many buildings constructed before 1978 contain lead-based paint, which can pose a health hazard if not handled properly. Vacuum or broom-clean surfaces to be covered immediately before the application of flooring.
INSTALLATION OF FLOORING
Install flooring in strict accordance with the latest edition of Armstrong Flooring Guaranteed Installation Systems manual, F-5061. Failure to comply may result in voiding the manufacturer's warranty listed in Section 1.08. Install flooring up to wall before the installation of floor-seal cabinets, casework, furniture, equipment, movable partitions, etc.
Elevate flooring into the spaces, door recesses, boxes, and similar openings as shown on the drawings. Scratch, cut, and fit to permanent fixtures, columns, walls, partitions, pipes, outlets, and built-in furniture and cabinets.

Install flooring with adhesives, tools, and procedures in strict accordance with the manufacturer's written instructions. Observe the recommended adhesive trowel notching, open times, and working times.
INSTALLATION OF ACCESSORIES
Apply top set wall base to walls, columns, casework, and other permanent fixtures in areas where top-set base is required. Install base in lengths as long as practical, with inside corners fabricated from base materials that are mitered or coped. Tightly bond base to vertical substrate with continuous contact at horizontal and vertical surfaces. Fill voids with plastic filler along the top edge of the resilient wall base or integral cover cap on masonry surfaces or other similar irregular substrates. Place resilient edge strips tightly butted to flooring, and secure with adhesive recommended by the edge strip manufacturer. Install edge strips at edges of flooring that would otherwise be exposed. Apply [butl-type] [overlaid] metal edge strips where shown on the drawings. [before] [after] flooring installation. Secure units to the substrate, complying with the edge strip manufacturer's recommendations. Perform initial on-going maintenance according to the latest edition of Armstrong Flooring Maintenance Recommendations and Procedures manual, F-8663.

PROTECTION
Protect installed flooring as recommended by the flooring manufacturer against damage from rolling loads, other trades, or the placement of fixtures and furnishings. (See Finishing the Job in the latest edition of Armstrong Flooring Guaranteed Installation Systems manual, F-5061.)

SECTION 097200 WALL COVERINGS

PROTECTIO
Protect installed flooring as recommended by the flooring manufacturer against damage from rolling loads, other trades, or the placement of fixtures and furnishings. (See Finishing the Job in the latest edition of Armstrong Flooring Guaranteed Installation Systems manual, F-5061.)

Acceptable Manufacturers:
Furnished by Owner
Substitutions: Not permitted.
Sealer: Type recommended by wall covering manufacturer.
Adhesive:
Type recommended by wall covering manufacturer; water based, mildew resistant.
Patching Compound: White latex type.

PREPARATION
Prepare substrate to receive wall covering:
Remove high spots. Fill holes, cracks, and depressions with patching compound; sand smooth and flush. Remove loose and foreign matter that could impair adhesion. Apply sealer as recommended by wall covering manufacturer.
Remove wall covering from packaging, place in installation area, and allow to acclimate for minimum 24 hours prior to installation.
INSTALLATION
Install in accordance with manufacturer's instructions. Install panels vertically.
ACCESSORIES
Support Channels: Galvanized steel; size and type to suit application.

ASTM A841, minimum 12 gage galvanized steel.
Touch-Up Paint: Color to match acoustical panels and suspension grid.
INSTALLATION
Install ceilings in accordance with ASTM C836 and CSCA Handbook. Minimize panels less than one half size. Miter molding around perimeter and abutting surfaces. Miter molding at exterior corners; cut flanges and bend web to form interior corners. Space hanger wires maximum 48 inches on center. Install additional hangers where required to support light fixtures and ceiling supported equipment. Do not support hangers directly from metal deck. Attach steel channel horizontally to adjacent framing members; place hanger at regular spacing. Hang suspension system independent of walls, columns, ducts, pipes, and conduit.

Where ducts or other equipment prevent regular spacing of hangers: Reinforce nearest-rated hangers to span entire distance, or Suspend steel channel horizontally beneath duct or equipment; place hanger at regular spacing.
Install main tees at maximum 48 inches on center. Install cross tees to form 24 x 48 inch modules. Lock cross tees to main tees. Support ends of tees on flange of perimeter molding.
Place acoustical panels with edges resting flat on suspension grid.
Cut to fit irregular grid and perimeter edge trim and around penetrations.
Locate cuts to be concealed.
Cut and field panel exposed edges of reveal edge units to match factory edge.
Installation Tolerances: Ceilings level to 1/8 inch in 12 feet measured in any direction.
ADJUSTING
Touch up minor scratches and abrasions to match factory finish.

EXAMINATION
Site Verification of Conditions: Verify substrate conditions (which have been previously installed under other sections) are acceptable for product installation in accordance with manufacturer's instructions (i.e. moisture tests, bond test, pH test, etc.).
Visually inspect flooring materials, adhesives and accessories prior to installation. Flooring material with visual defects shall not be installed and shall not be considered a legitimate claim.
Examine subfloors prior to installation to determine that surfaces are smooth and free from cracks, holes, ridges, and other defects that might prevent adhesive bond or impair durability or appearance of the flooring material.
Inspect subfloors prior to installation to determine that surfaces are free from curing, sealing, parting and hardening compounds, residual adhesives, adhesive removers, and other foreign materials that might prevent adhesive bond. Visually inspect for evidence of moisture, alkaline salts, carbonation, dusting, mold, or mildew.
Report conditions contrary to contract requirements that would prevent a proper installation. Do not proceed with the installation until unsatisfactory conditions have been corrected.
Failure to call attention to defects or imperfections will be construed as acceptance and approval of the subfloor. Installation indicates acceptance of substrates with regard to conditions existing at the time of installation.

PREPARATION
Subfloor Preparation: Smooth concrete surfaces, removing rough areas, projections, ridges, and bumps, and filling low spots, control or construction joints, and other defects with Manufacturer's Fast-Setting Cement-Based Patch and Underlayment--Cement-Based Patch--Underlayment and Embossing Leveler as recommended by the flooring manufacturer. Refer to ASTM F 710
Subfloor Cleaning: The surface shall be free of dust, solvents, varnish, paint, wax, oil, grease, sealers, release agents, curing compounds, residual adhesive, adhesive removers and other foreign materials that might affect the adhesion of resilient flooring to the concrete or cause a discoloration of the flooring from below. Remove residual adhesives as recommended by the flooring manufacturer. Remove curing and hardening compounds not compatible with the adhesives used, as indicated by a bond test or by the compound manufacturer's recommendations for flooring. Avoid organic solvents. Spray paints, permanent markers and other indelible ink markers must not be used to write on the back of the flooring material or used to mark the concrete slab as they could bleed through, telegraphing up to the surface and permanently staining the flooring material. If these contaminants are present on the substrate, they must be mechanically removed prior to the installation of the flooring material. Refer to the Manufacturer's Standard Practice

Remove all paint, varnish, oil and wax from all subfloors. Many buildings constructed before 1978 contain lead-based paint, which can pose a health hazard if not handled properly. Vacuum or broom-clean surfaces to be covered immediately before the application of flooring.
INSTALLATION OF FLOORING
Install flooring in strict accordance with the latest edition of Armstrong Flooring Guaranteed Installation Systems manual, F-5061. Failure to comply may result in voiding the manufacturer's warranty listed in Section 1.08. Install flooring up to wall before the installation of floor-seal cabinets, casework, furniture, equipment, movable partitions, etc.
Elevate flooring into the spaces, door recesses, boxes, and similar openings as shown on the drawings. Scratch, cut, and fit to permanent fixtures, columns, walls, partitions, pipes, outlets, and built-in furniture and cabinets.

Install flooring with adhesives, tools, and procedures in strict accordance with the manufacturer's written instructions. Observe the recommended adhesive trowel notching, open times, and working times.
INSTALLATION OF ACCESSORIES
Apply top set wall base to walls, columns, casework, and other permanent fixtures in areas where top-set base is required. Install base in lengths as long as practical, with inside corners fabricated from base materials that are mitered or coped. Tightly bond base to vertical substrate with continuous contact at horizontal and vertical surfaces. Fill voids with plastic filler along the top edge of the resilient wall base or integral cover cap on masonry surfaces or other similar irregular substrates. Place resilient edge strips tightly butted to flooring, and secure with adhesive recommended by the edge strip manufacturer. Install edge strips at edges of flooring that would otherwise be exposed. Apply [butl-type] [overlaid] metal edge strips where shown on the drawings. [before] [after] flooring installation. Secure units to the substrate, complying with the edge strip manufacturer's recommendations. Perform initial on-going maintenance according to the latest edition of Armstrong Flooring Maintenance Recommendations and Procedures manual, F-8663.

PROTECTION
Protect installed flooring as recommended by the flooring manufacturer against damage from rolling loads, other trades, or the placement of fixtures and furnishings. (See Finishing the Job in the latest edition of Armstrong Flooring Guaranteed Installation Systems manual, F-5061.)

Doors and Trim
Boards:
Galvanized Iron, New
Prime: Pro Industrial Pro-Cryl Universal Primer, B66-310 series, <100 g/L VOC
1st coat: Pro Industrial Zero VOC Acrylic Semi-Gloss, B66-650 series, 0 g/L VOC
2nd coat: Pro Industrial Zero VOC Acrylic Semi-Gloss, B66-650 series, 0 g/L VOC

Aluminum Trim
Prime Coat: S-W DTM Wash Primer, B71Y1 (3.4 mils. wet, 0.7 mils. dry)
1st coat: Pro Industrial Zero VOC Acrylic Semi-Gloss, B66-650 series 0 g/L VOC
2nd coat: Pro Industrial Zero VOC Acrylic Semi-Gloss, B66-650 series 0 g/L VOC

Doors and Trim
Galvanized Iron, New
Semi-Gloss Finish
Prime: Pro Industrial Pro-Cryl Universal Primer, B66-310 series, <100 g/L VOC
1st coat: Pro Industrial Zero VOC Acrylic Semi-Gloss, B66-650 series 0 g/L VOC
2nd coat: Pro Industrial Zero VOC Acrylic Semi-Gloss, B66-650 series 0 g/L VOC

BUILDING CODE COMPLIANCE

BUILDING CODES	THE BUILDING SHALL BE IN COMPLIANCE WITH THE FOLLOWING 2011 OHIO BUILDING CODE 2011 OHIO PLUMBING CODE 2011 OHIO FIRE CODE 2011 OHIO MECHANICAL CODE 2009 OHIO FUEL AND GAS CODE 2014 NATIONAL ELECTRICAL CODE 2009 ICC/ A117.1 AS AMENDED IN SECTION 1112 OF THE OHIO BUILDING CODE. 2012 INTERNATIONAL ENERGY CONSERVATION CODE		
USE AND OCCUPANCY	MIXED USE (S 508) SEPARATED OCCUPANCIES (EAST & WEST BUILDING) (S 508.4)		
	WEST BUILDING 'M' MERCANTILE (S 309.0) 'A-2' ASSEMBLY (S 303.0) 'B' BUSINESS (S 304.0)		
	EAST BUILDING 'M' MERCANTILE (S 309.0) 'A-2' ASSEMBLY (S 303.0)		
CONSTRUCTION CLASSIFICATION	BUILDING TYPE 11-B (NOT SPRINKLERED) (T 602.2)		
	NON-SPRINKLERED (EAST AND WEST BUILDING) (S602.0) 'A-2' ASSEMBLY OCCUPANT LOAD <100 (S 903.2.1.1) 'B' BUSINESS (S 903.2.2) 'M' MERCANTILE FIRE AREA <12,000 SF (S 903.2.7) FIRE AREA < 8,000 SF FOR DISPLAY OF UPHOLSTERED FURNITURE		
BUILDING HEIGHT & AREA LIMITATIONS	EAST AND WEST BUILDING (A2 ASSEMBLY MOST RESTRICTIVE OCCUPANCY) MAX HEIGHT - STORIES = 2 STORIES (T503) MAX HEIGHT - FEET = 55 FEET (T503) MAX AREA PER FLOOR = 9,500 SF (T503)		
PROPOSED BUILDING PROPERTIES	WEST BUILDING HEIGHT - STORIES = 1 STORY HEIGHT - FEET T.O STEEL = 17' - 10" OVERALL = 30' - 11" BUILDING AREA = 7740 SF EAST BUILDING HEIGHT - STORIES = 1 STORY HEIGHT - FEET T.O STEEL = 17' - 10" OVERALL = 24' - 5" BUILDING AREA = 7740 SF		
FIRE RESISTANCE RATING REQUIREMENTS	(T 601)		
	0 HR	1 HR	2 HR
STRUCTURAL FRAME	■		
EXTERIOR BEARING WALLS	■		
INTERIOR BEARING WALLS	■		
NON-BEARING WALLS - EXTERIOR	■		
NON-BEARING WALLS - INTERIOR	■		
ROOF CONSTRUCTION	■		

*FIRE SEPARATION DISTANCE
TYPE IIB, OCCUPANCIES 'A', 'B', 'M' - 10' ≤ x < 30' = 0HR. PROPOSED DISTANCE BETWEEN WEST AND EAST BUILDING = 20'-0"



AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report(s). This authorization also applies to the Multiple Listing model(s) identified on the correlation page of the Listing Report. This document is the property of Intertek Testing Services and is not transferable. The Certification Mark(s) may be applied only at the location of the Party Authorized to Apply Mark.

Applicant: Cookshack
2304 North Ash Street
Ponca City OK 74601

Country: USA
Contact: Stuart Powell
Phone: 800-423-0598
Fax: 580-765-2223
Email: s_powell@cookshack.com

Party Authorized to Apply Mark: See following page(s)
Evaluation Center: Intertek (Middleton)

Control/Client Number: WH239028 / ETL3186248
Authorized By: Bob Davison, Director, Certification Services
Intertek Testing Services NA, Inc.
8431 Murphy Drive, Middleton, WI 53562 USA
Phone 608-824-7440 Fax 608-831-9279



Intertek

This document supersedes all previous Authorizations to Mark for the noted Report Number.

This Authorization to Mark is for the exclusive use of Intertek's Client and is provided pursuant to the Certification agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Authorization to Mark. Only the Client is authorized to permit copying or distribution of this Authorization to Mark and then only in its entirety. Use of Intertek's Certification mark is restricted to the conditions laid out in the agreement and in this Authorization to Mark. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of ensuring appropriate usage of the Certification mark in accordance with the agreement, they are not for the purpose of production quality control and do not relieve the Client of their obligations in this respect.

Testing Standard(s): ASTM E1509 (2004); UL 1482 (2000); ULC S627 (2000); UL Subject 2162 (2001); UL 1482 (March 2010); UL 1482 (October 2010)
Product: Cookshack Models Fast Eddy's FEC100, FEC120, FEC300, FEC500, FEC750 Pellet Fuel Smoker/Cooker
ATM for Report: 3192722MID-001, G100390525MID-002
ATM Issue Date: 08/19/2011

Listing Section(s): COMMERCIAL WOOD-FIRED BAKING OVENS - REFRACTORY TYPE

CSI Code: 11 40 00 Foodservice Equipment

Description:
The model Fast Eddy Pellet Fuel Smoker is constructed of carbon steel with a large smoker chamber located in the front of the unit that contains a rotisserie rack for smoking meat. The firebox is located in the rear of the unit with a fuel hopper located next to the firebox.

BUILDING CODE REQUIREMENTS

For commercial buildings the State of Ohio has, with amendments, adopted statewide the 2015 editions of IBC, IMC, IPC, IFGC and by reference, the ICC/ANSI A117.1-2004. The 2012 IECC for commercial buildings has been adopted with a prescriptive package.

- 2017 Ohio Building Code
- 2012 International Energy Conservation Code
- 2017 National Electric Code (NEC) - NFPA 70
- 2017 Ohio Mechanical Code
- 2017 Ohio Plumbing Code
- ICC A117.1-2009 Accessible and Useable Buildings and Facilities
- 2017 Ohio Fire Code
- 2015 International Fuel and Gas Code

2286 SF-76 PERSONS
TYPE A-2 OCCUPANCY BUILD-OUT IN EXISTING SPACE
TYPE II-B CONSTRUCTION
NOT SPRINKLERED
NO SEPARATION REQUIRED - SECTION 508.3.2 LESS THAN MOST RESTRICTIVE USE FOR ALLOWABLE BUILDING AREA, HEIGHT AND STORIES = NON-SEPARATED USE - 0 HR EXISTING EXTERIOR WALLS TO BE MAINTAINED

OCCUPANT LOAD - A-2 ASSEMBLY (FIXED SEATING):
COMMERCIAL KITCHEN: 450 SF @ 200 SF/PERSON = 3 PERSONS
DINING - FIXED SEATING: 57 SEATS = 57 PERSONS
STANDING ROOM: 184 SF @ 15 SF/PERSON = 13 PERSONS
HALLWAY: 290 SF @ 100 SF/PERSON = 3 PERSONS
TOTAL OCCUPANCY FOR BUILDING EXITS: = 76 PERSONS

PER IPC SECTION 403.1 (d)
SEASONAL OUTDOOR FIXED SEATING: =20 SEATS
TOTAL OCCUPANCY FOR PLUMBING: = 96 PERSONS
PER IBC SECTION 2902.1.1
OCC. LOAD OF EA SEX CALCULATED BY DIVIDING TOTAL PLUMBING OCCUPANCY IN HALF
OCC. LOAD PER SEX: 48 MALES, 48 FEMALES
PER IPC SECTION 403.1.1
TOILET AND LAV FIXTURES REQUIRED: 1 EA PER 75 MALE AND 1 EA PER 75 FEMALE

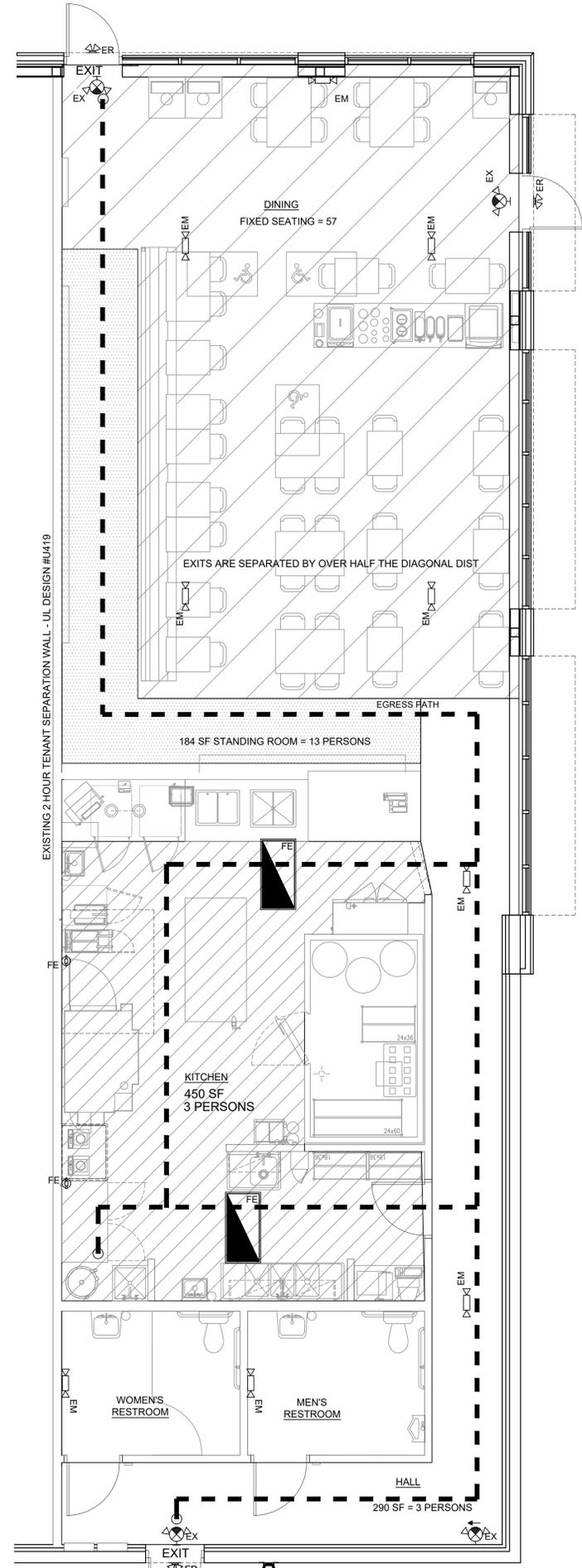
WATER IS SERVED--DRINKING FOUNTAIN IS NOT REQUIRED
TYPE C FINISHES REQUIRED NON-RATED HALLWAY (NOT EXIT STAIRS OR ACCESS)
TWO EXITS REQUIRED FOR MORE THAN 49 OCCUPANTS
FIRE EXTINGUISHER REQUIRED
MINIMUM EXIT WIDTH @ 2/OCCUPANT: 15.0"
200' MAX EXIT ACCESS TRAVEL DISTANCE (108'-9" ACTUAL)
EXISTING 10 TON ROOFTOP UNIT
5 TON NEW ROOFTOP UNIT (1 EA) TO BE LOCATED ACROSS 2 EXISTING STEEL JOISTS WITH ATTRIBUTED LOAD OF 622#

PLAN KEY

- EX EXIT SIGN
- EM EMERGENCY BATT LIGHTS
- ER EMERGENCY REMOTE LIGHTS
- FE TYPE "K" FIRE EXTINGUISHER
- EMERGENCY BATT 2X4
- LONGEST EXIT DISTANCE SHOWN IS 74' (200' ALLOWED)
NO RATED WALLS OR PARTITIONS, CORRIDORS OR STAIRS

OCCUPANCY CLASSIFICATION LEGEND

[Hatched Pattern]	KITCHEN
[Dotted Pattern]	HALLWAY
[Horizontal Line Pattern]	SERVICE QUEUE LINE
[Vertical Line Pattern]	DINING - FIXED SEATING



LIFE SAFETY PLAN

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

JOHN S VACI, Architect
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01/07/19
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Gillett Restaurant Group LLC
2823 East Sand Road
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1994zachjillett@gmail.com

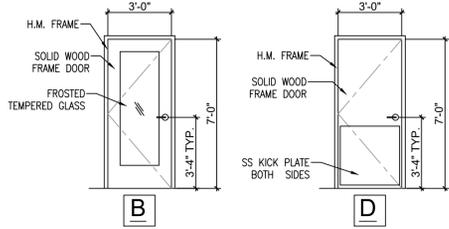
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DICKKEY'S PROGRESS CHECK SET	01.04.19
ISSUED FOR PERMIT	01.07.19
ISSUED FOR CONSTRUCTION	XX.XX.XX

LIFE SAFETY PLAN

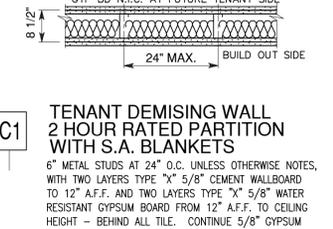
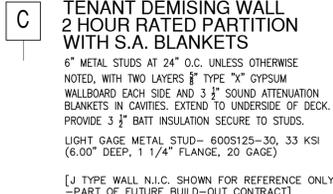
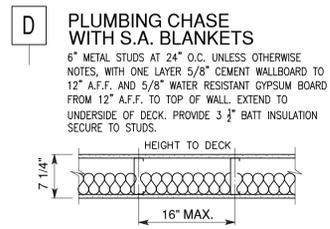
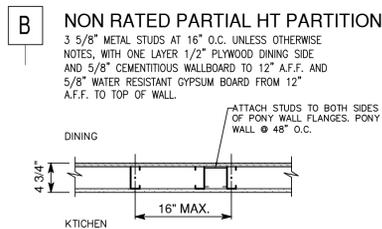
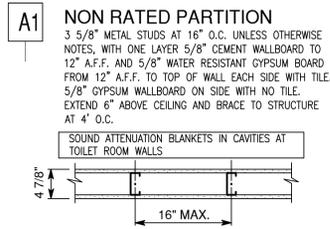
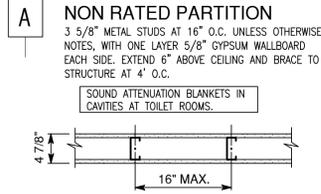
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DOOR SCHEDULE AND TYPE

DOOR SCHEDULE									
NO	LOCATION	SIZE	MATERIAL	TYPE	FINISH	FRAME	FINISH	HARDWARE	NOTES
101	FRONT	3'0X7'0X1 3/4"	ALUM/GL	A	FACTORY	ALUM	FACTORY	1	
102	FRONT	3'0X7'0X1 3/4"	ALUM/GL	A	FACTORY	ALUM	FACTORY	2	
103	BACK DOOR	4'0X7'0X1 3/4"	HM	C	FACTORY	KD HM	FACTORY	3	GC INSTALL WIDE ANGLE PEEP HOLE
104	MEN'S TOILET	3'0X7'0X1 3/4"	SC WD/GLASS	B	FACTORY	KD HM	FACTORY	2	
105	WOMEN'S TOILET	3'0X7'0X1 3/4"	SC WD/GLASS	B	FACTORY	KD HM	FACTORY	2	
106	KITCHEN DOOR	3'0X7'0X1 3/4"	SC WD	D	FACTORY	KD HM	FACTORY	4	BROWNTONE FRAME



PARTITION LEGEND



UL DESIGN # 419

WALL TYPE NOTES:

WATER RESISTANT GYP TO BE USED ON WALLS THAT GET ANY FIXTURE W/ A WATER HOOKUP.

WHEN USING MULTIPLE LAYERS OF GYPSUM, THE STUD WALL CONTRACTOR MUST BE AWARE OF WALL OFFSETS TO ENSURE GYPSUM BOARD LAYERS LINE UP IN THE FINISH PRODUCT

GYP. BOARD EXPANSION JOINTS TO BE MAX. 30"-0" O.C.

PROVIDE THROUGH-PENETRATION SYSTEMS WITH F-RATINGS AS DETERMINED PER ASTM E 814, BUT NOT LESS THAN 2-HR RATING.

PENETRATIONS SHALL CONFORM WITH UL 555 AND 555S. JOINTS SHALL CONFORM WITH UL2079

METAL STUD SPACING AND LIMITING HEIGHTS

METAL STUD SPACING AND LIMITING HEIGHTS (BRACING 4' OC MAX.)

STUD PARTITION FRAMING: NON-COMPOSITE
3-5/8" 20EQ 16" OC SPSF L360
LIMITING HEIGHT TO BRACING: 12'-7" (11'-0" FOR 24" OC AT SPECIAL CONDITIONS EX: ELECTRICAL PANELS) DIETRICH TRACKLOC 382TLF125-24

CHASE WALLS FRAMING: NON-COMPOSITE
6" 20EQ 16" OC SPSF L360
LIMITING HEIGHT TO BRACING: 18'-3" (11'-0" FOR 24" OC AT SPECIAL CONDITIONS EX: ELECTRICAL PANELS) DIETRICH TRACKLOC 600TLF125-241

TENANT WALLS FRAMING: COMPOSITE
6" 25EQ 16" OC SPSF L360
LIMITING HEIGHT TO BRACING: 18'-5" (11'-0" FOR 24" OC AT SPECIAL CONDITIONS EX: ELECTRICAL PANELS) DIETRICH TRACKLOC 600TLATLF125-18

KEYED NOTES

- GENERAL KEYED NOTES
- SS CAP - PROVIDED BY OWNER, INSTALLED BY GC. GC TO COORDINATE THROAT DIMENSION WITH MANUFACTURER.
 - FRONT COUNTER WALL BUILT BY GC. GC TO INSTALL OWNER PROVIDED ROLLED METAL PANELS TO FACE OF COUNTER. SEE DETAIL SHEET A2.2
 - GC TO INSTALL OWNER PROVIDED PARTIAL HEIGHT WALLING WALLS AT BEVERAGE COUNTER - ANCHOR TO FLOOR.
 - CEILING MOUNTED TV MONITORS BY OTHERS. GC TO PROVIDE ELECTRICAL AND VERIFY LOCATION WITH OWNER.
 - OWNER PROVIDED DIGITAL MENU BOARDS INSTALLED BY G.C.
 - MAINTAIN 1" AIR GAP TO WALLS AT WALK-IN COOLER.
 - 2-8 SCHLUTER ECKE-F-142-SS-GORNER-GUARD
 - 4-8 SCHLUTER RENO-RAMP-ADR-125-889
 - 2-3 SCHLUTER JOLLY-MC-126-ACGB-EDGE-TRIM-AT-BRICK-VENEER
 - LIGHTED "D" SIGN TO BE SWITCHED WITH DINING ROOM CHANDELIERS. SEE SHEET A2.2
 - GC TO FURNISH AND INSTALL TOP AND BACKING FOR DATA TELEPHONE BOARD
 - GC TO REMOVE EXISTING LAMINATE SILL AND REPLACE WITH RECLAIMED WOOD SILL BY STANFORD - SONOMA. GC TO COORDINATE DIMENSION
 - GC TO PROVIDE CEMENT WALLBOARD - ALL WALLS AT SINKS. SEE ELEVATIONS.

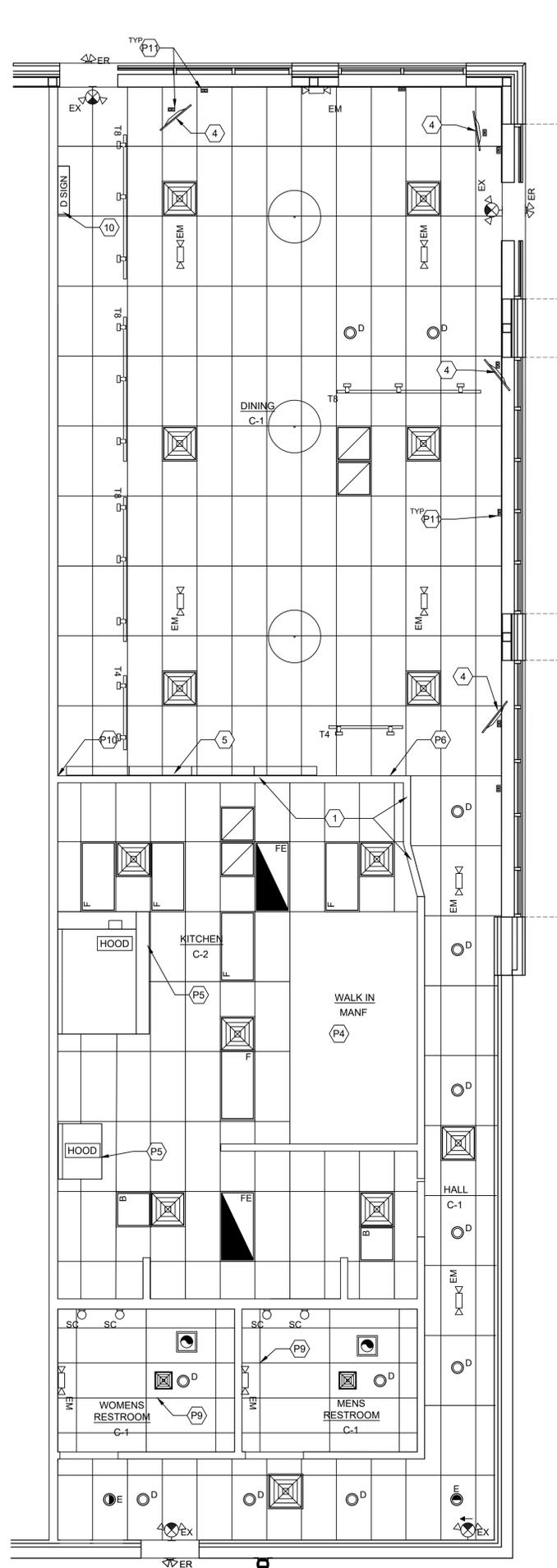
PLAN KEYED NOTES

- EXISTING STOREFRONT AND DOORS TO REMAIN. G.C. TO REPAIR AND REFURBISH TO BRING TO LIKE NEW CONDITION.
- EXISTING DOOR. G.C. TO REPAIR AND REFURBISH TO BRING TO LIKE NEW CONDITION. G.C. TO INSTALL PEEP HOLE. SEE DOOR SCHEDULE.
- CONTINUOUS WALL CLOSURE ABOVE CEILING. SEE DETAIL SHEET A2.2
- COOLER LIGHTS FURNISHED WITH COOLER. SEE ELECTRICAL
- CEILING TRACKS CONNECTED TO SS HOOD SHROUD WITH SCREWS.
- MENU BOARD SOFFIT DETAIL SHEET A2.2
- CLARK DIETRICH PONY WALL PW24 TYP 48" OC MAX - ATTACH STUDS TO BOTH FLANGES OF PONY WALL 4@1/4X5 EXP ANC TO FLOOR
- ADA TACTILE RESTROOM SIGNS
- CENTER CEILING GRID IN ROOM
- START POINT FOR CEILING GRID.
- TV AND WINDOW SIGN OUTLETS MTD IN CLG. SEE ELECTRICAL
- DOTTED AREA INDICATES FOUNDATION LEAVE OUT. GC TO FILL AND USE 1/2" DOWELS @ 48" O.C. AT SLAB TO SLAB CONNECTION. SEE FOUNDATION SPECIFICATION ON PLAN.

WALK-IN COOLER NOTES

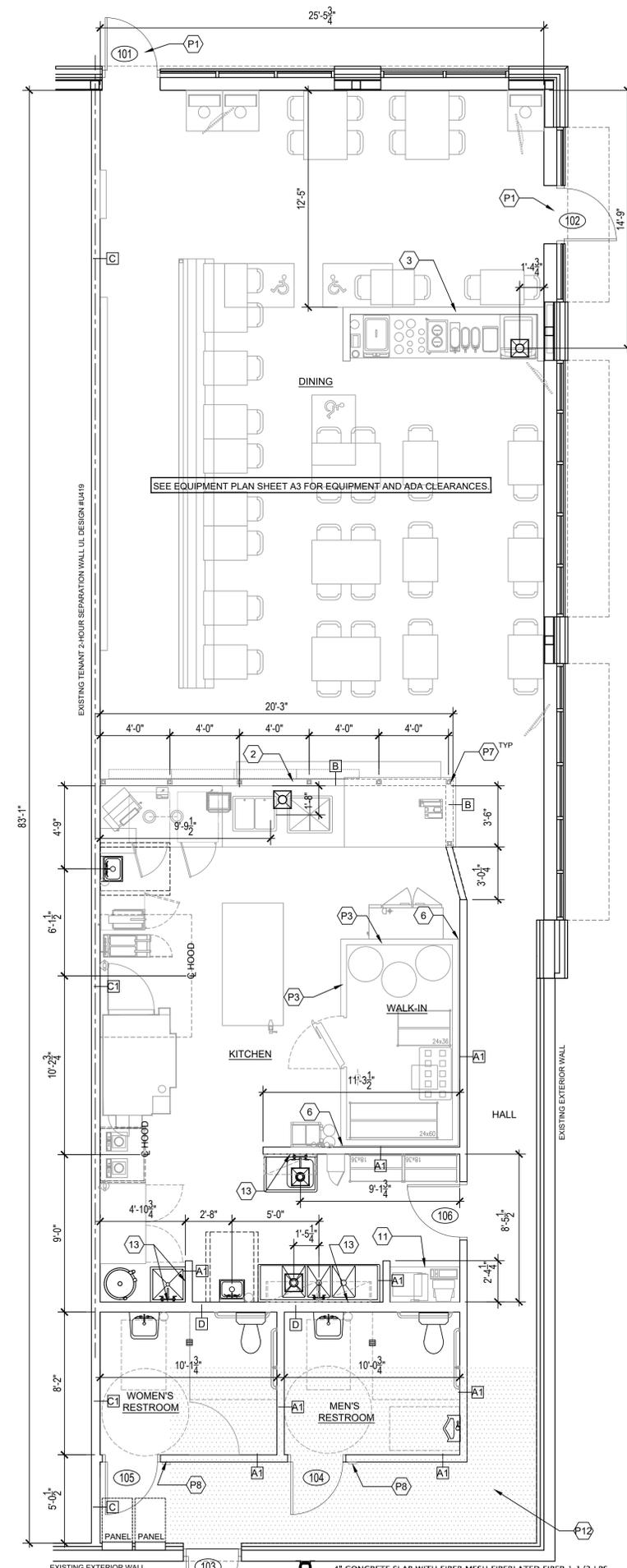
WALK-IN COOLER INSTALLATION NOTES:

- GC TO COORDINATE COOLER INSTALLATION AND INSTALL WALLS AND DOORS.
- GC TO FINISH EXPOSED COOLER WALLS WITH SUBWAY TILE.
- GC TO FURNISH AND INSTALL LINESETS AND CONTROLS
- GC TO WIRE CONDENSER AND EVAPORATOR CIRCUITS, LIGHTS AND SWITCHES. LIGHTS ARE FURNISHED.
- GC TO PIPE CONDENSATE DRAINS TO APPROVED LOCATIONS IF REQUIRED.
- GC TO INSTALL FINISHES AND SHELVING AND CLOSURE TO CEILING



REFLECTED CEILING PLAN

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



FLOOR PLAN

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

4" CONCRETE SLAB WITH FIBER-MESH FIBERLATED FIBER 1 1/2 LBS PER CU YARD COMPLYING WITH ASTM C1116 SECTION 4.1.3 AND SECTION 21 OVER 6" AGGREGATE BASE OVER VAPOR RETARDER OVER PREPARED SUBGRADE RE: 1/53-01 CONCRETE SHALL BE NORMAL WEIGHT CONCRETE W/ Fc = 4000 PSI

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01/07/19

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Perrysburg, OH 43051



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ISSUED / REVISED	DATE
CLIENT REVIEW	01/07/19
ISSUED FOR PERMIT	01/07/19
ISSUED FOR CONSTRUCTION	XX/XX/XX

A2.0

FINISH SCHEDULE

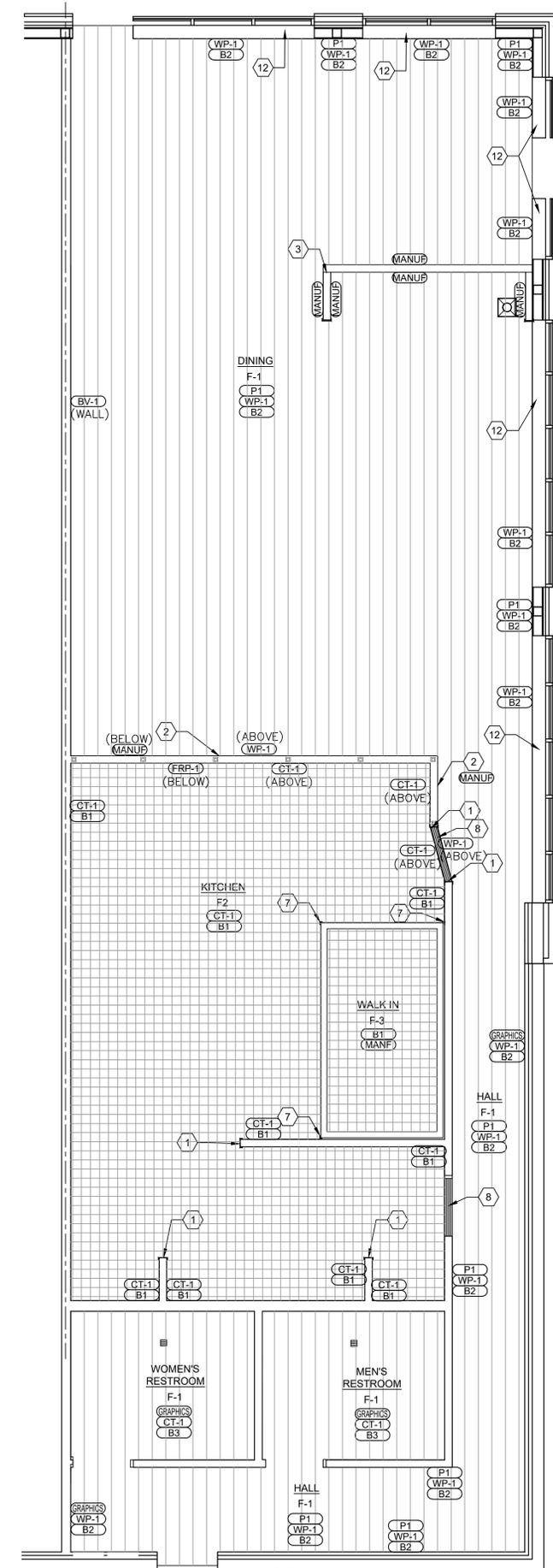
FINISH SCHEDULE						
TAG	MATERIAL DESCRIPTION	LOCATION	MANUFACTURER	COLOR	FINISH	COMMENTS
FLOORING						
F-1	6" X 48" TILE PLANK RESILIENT FLOORING	DINING ROOM, RESTROOMS, HALLS	SHAW	VPS49 (EXPO 12 MIL) COLOR: 00744 MONTREAL	RESILIENT TILE, SLIP RESISTANT	CONTACT: MATT HATFIELD 214-908-3732 matt.hatfield@shawinc.com
F-2	6" QUARRY TILE	KITCHEN	EMSER	E-QUARRY BRICK	SMOOTH FINISH	
F-3	6" QUARRY TILE	KITCHEN	EMSER	E-QUARRY BRICK	ABRASIVE THREAD	
BASE						
B-1	6" QUARRY TILE (COVE)	KITCHEN	EMSER	BRICK	RESILIENT TILE	
B-2	2"x6" WOOD BASE	ALL DINING ROOM WALLS, LOW WALLS AND HALLWAY WALLS	STANFORD SONOMA	WOOD BASE	2" x 6" RECLAIMED WOOD BASE PAINTED BLACK	
B-3	6" x 6" TILE BASE (COVE)	RESTROOMS	EMSER	AREA GLOSSY WHITE	RESILIENT TILE	
WAINSCOT AND WALLS						
GRAPHICS	GRAPHIC WALLPAPER	DINING ROOM, HALLWAYS, RESTROOMS	FURNISHED BY OWNER	FURNISHED BY OWNER	FURNISHED BY OWNER	FIELD VERIFY MEASUREMENTS BEFORE ORDERING AND SEE SPECIFICATIONS
P-1	PREMIUM PLUS ULTRA	DINING ROOM, HALLWAYS, RESTROOMS	BEHR	PREMIUM PLUS ULTRA	BLACK "EGGSHELL" FINISH BLACK "SEMI-GLOSS" FINISH	SEE WALLPAPER INSTALLATION NOTES ON ELEVATION SHEETS: NOT LOW VOC NOT ZERO VOC
P-3	ULTRA PURE WHITE #2450		BEHR PREMIUM PLUS	ULTRA PURE WHITE #2450	EGGSHELL FINISH	ALL DINING ROOM AND HALLWAY WALLS, FOR FUTURE CONCEPT
WP-1	RECLAIMED WOOD SLATS	DINING ROOM, MENU SOFFIT, HALLS	STANFORD SONOMA	RECLAIMED WOOD SLATS	PRE-ASSEMBLED SECTIONS OF 1X6 RECLAIMED WOOD PANELS	ALL DINING ROOM WALLS, LOW WALLS AND HALLWAY WALLS
FRP-1	PRINTED FRP PANELS	DINING - BEVERAGE BAR	STANFORD SONOMA	CUSTOM PRINTED DICKEYS GRAPHICS	3 PANEL GRAPHIC	
FRP-2	4'X10' FIBERBOARD REINFORCED PANEL	KITCHEN SIDE OF PARTIAL HT SERVICE COUNTER WALL	MARLITE (OR APPROVED EQUAL)	4'X10' FIBERBOARD REINFORCED PANEL	P-100 WHITE PEBBLE FINISH, CLASS "C"	KITCHEN SIDE OF PARTIAL HT SERVICE COUNTER WALL
SS-1	STAINLESS STEEL		SS	STAINLESS STEEL		
CT-1	4.25" X 10" SUBWAY TILE	KITCHEN, DINING- AT BEVERAGE COUNTER	EMSER TILE	AREA GLOSSY WHITE 4.25" X 10"	W82AREAWH0410 GROUT: MAPEI - 47 CHARCOAL GROUT LINES = 1/4" AT ALL LOCATIONS	DICKEYS@EMSER.COM
BV-1	THIN BRICK VENEER	DINING ROOM AT MERCHANDISER	STANFORD SONOMA	GENERAL SHALE PEPPERMILL		USE THIN BRICK VENEER SYSTEM FOR INSTALLATION
STOREFRONT TINT						
T-1	GRAPHIC FILM 3630-22	STOREFRONT WINDOWS	3M	SCOTCHA TRANSLUCENT GRAPHIC FILM 3630-22	BLACK OPAQUE 2 MIL. PRESSURE SENSITIVE	
CEILING						
C-1	2'X4' LAY-IN CEILING	DINING ROOM, HALLWAYS, RESTROOMS	USG OR APPROVED EQUAL	FLAT BLACK (205) 2X4 FISSURED ACOUSTIC CEILING TILES	15/16" GRID: DONN DX/DXL FLAT BLACK	
C-2	2'X4' VINYL FACED LAY-IN CEILING	KITCHEN	USG OR APPROVED EQUAL	3270 CLEAN ROOM CLIMAPLUS, WHITE (50)	15/16" GRID: DONN HEAVY DUTY DX/DXL FLAT WHITE	

GENERAL NOTES

- KITCHEN TO BE SUBWAY TILE AND QUARRY TILE BASE THROUGH OUT.
- SEE INTERIOR ELEVATIONS - SHEETS A8.0, A8.1 & A8.2 - FOR WALL FINISHES FOR LOBBY, RESTROOMS, SERVICE AND SALES AREAS.
- SEE SHEET A2.2, A8.1 AND A8.2 FOR DETAILS.

KEYED NOTES

- GENERAL KEYED NOTES
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 2. FRONT COUNTER WALL BUILT BY GC, GC TO INSTALL OWNER PROVIDED ROLLED METAL PANELS TO FACE OF COUNTER. SEE DETAIL SHEET A2.2
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 4. CEILING MOUNTED TV MONITORS BY OTHERS. GC TO PROVIDE ELECTRICAL AND VERIFY LOCATION WITH OWNER.
 5. OWNER PROVIDED DIGITAL MENU BOARDS INSTALLED BY G.C.
 6. MAINTAIN 1/2" AIR GAP TO WALLS AT WALK-IN COOLER.
 7. 2.6 SCHLUTER ECK-E 1-1/2" SS CORNER GUARD
 8. 1.8 SCHLUTER RENO RAMP AERP-125-B90
 9. 2.3 SCHLUTER JOLLY M6-125 AGGB EDGE TRIM AT BRICK VENEER.
 10. LIGHTED "D" SIGN TO BE SWITCHED WITH DINING ROOM CHANDELIER. SEE SHEET A2.2
 11. GC TO FURNISH AND INSTALL TOP AND BACKING FOR DATA TELEPHONE BOARD.
 12. GC TO REMOVE EXISTING LAMINATE SILL AND REPLACE WITH RECLAIMED WOOD SILL BY STANFORD SONOMA. GC TO COORDINATE DIMENSION.
 13. GC TO PROVIDE CEMENT WALLBOARD - ALL WALLS AT SINKS. SEE ELEVATIONS.



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

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01/07/19

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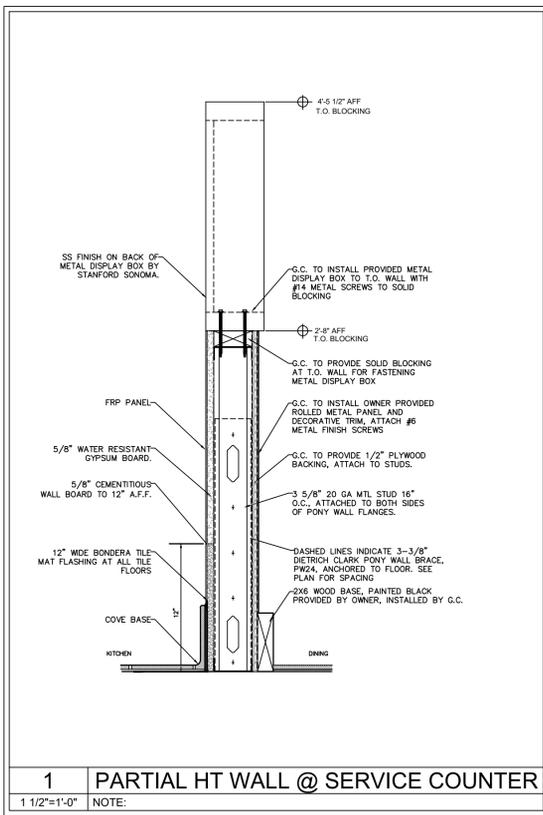
Store No: OH-1844
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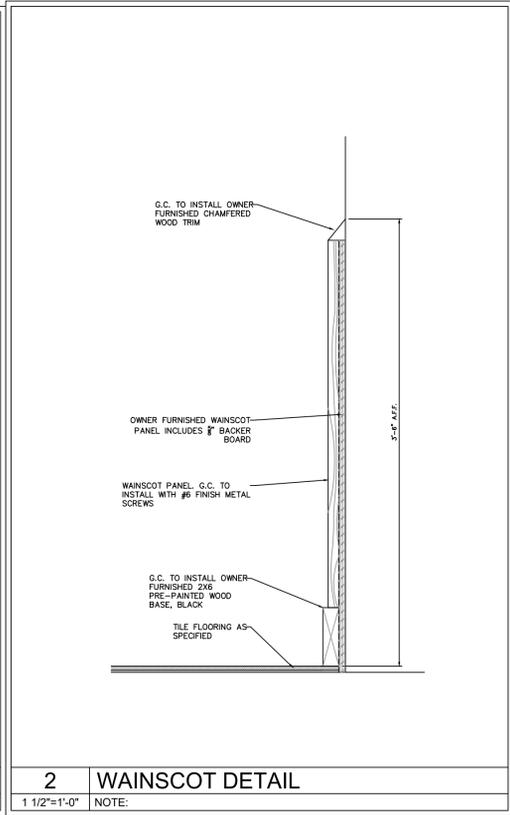
Gillett Restaurant Group LLC
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ISSUED / REVISED
DATE
01.04.19
01.07.19
DATE
DATE
DICKY'S PROGRESS CHECK SET
ISSUED FOR PERMIT
ISSUED FOR CONSTRUCTION

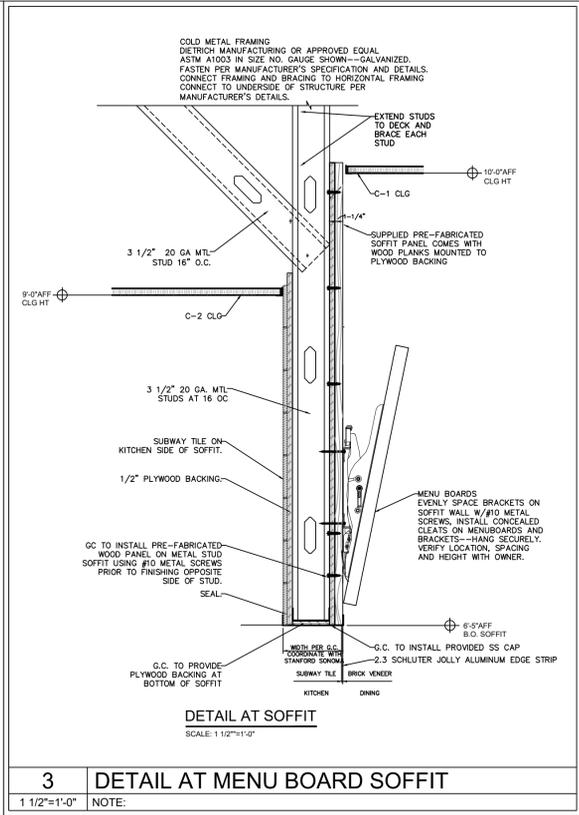
FINISH PLAN
A2.1



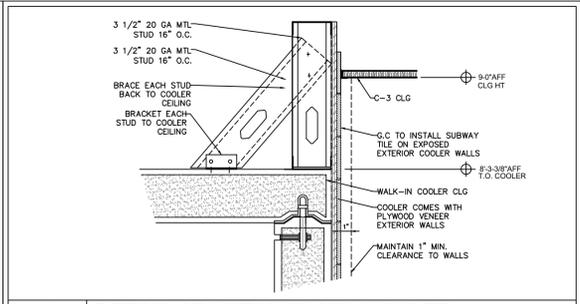
1 PARTIAL HT WALL @ SERVICE COUNTER
1 1/2"=1'-0" NOTE:



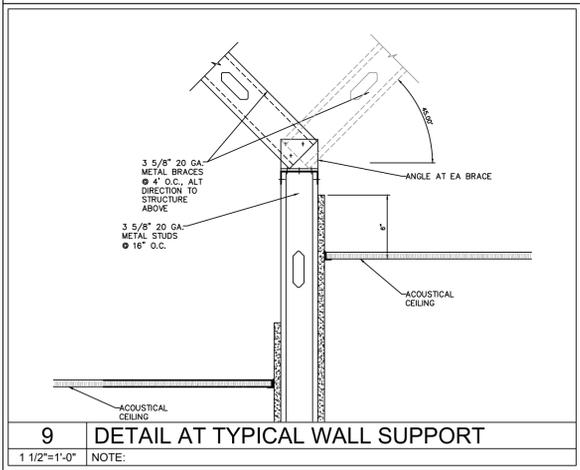
2 WAINSCOT DETAIL
1 1/2"=1'-0" NOTE:



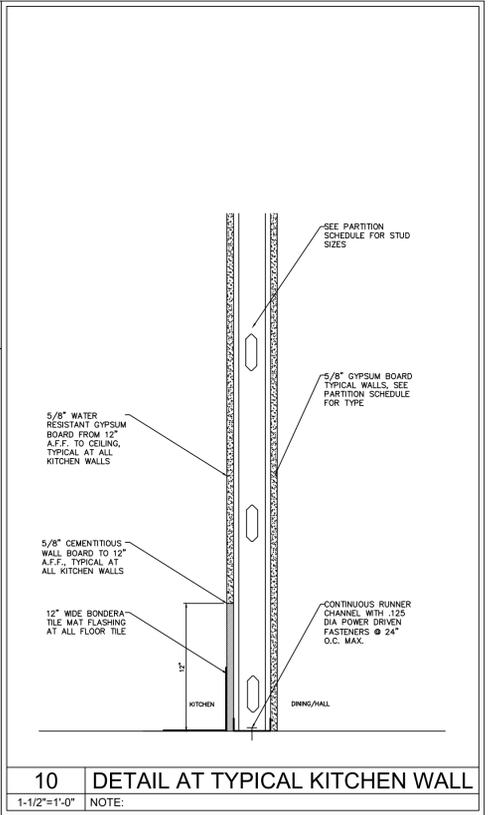
3 DETAIL AT MENU BOARD SOFFIT
1 1/2"=1'-0" NOTE:



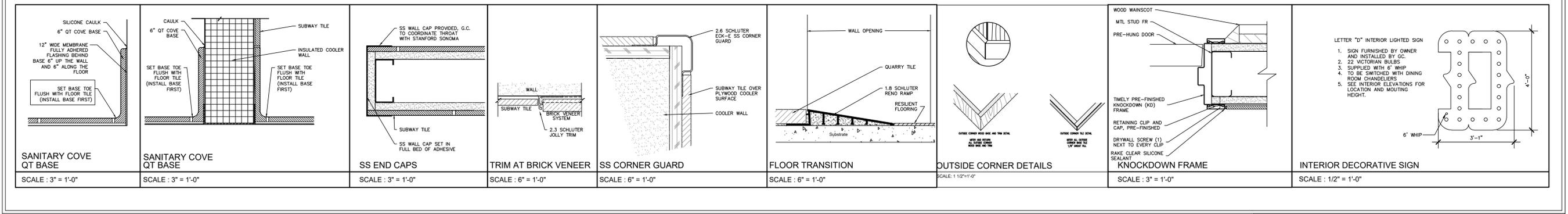
4 DETAIL ABOVE WALK-IN COOLER
1 1/2"=1'-0" NOTE:



9 DETAIL AT TYPICAL WALL SUPPORT
1 1/2"=1'-0" NOTE:



10 DETAIL AT TYPICAL KITCHEN WALL
1-1/2"=1'-0" NOTE:



METAL STUD SPACING AND LIMITING HEIGHTS

METAL STUD SPACING AND LIMITING HEIGHTS (BRACING 4' OC MAX.)

STUD PARTITION FRAMING: NON-COMPOSITE
 3-5/8" 20EQ 16' OC 5 PSF L360
 LIMITING HEIGHT TO BRACING: 12'-7"
 (11'-0" FOR 24" OC AT SPECIAL CONDITIONS EX: ELECTRICAL PANELS)
 DIETRICH TRACKLOC 362TLF125-24

CHASE WALLS FRAMING: NON-COMPOSITE
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ISSUED / REVISED

DATE	01.04.19
DICKKEY'S PROGRESS CHECK SET	01.07.19
ISSUED FOR PERMIT	02.01.19
ISSUED FOR CONSTRUCTION	02.01.19

HEALTH DEPARTMENT NOTES

1. ALL FOOD SERVICE AND RELATED EQUIPMENT SHALL BE NATIONAL SANITATION FOUNDATION (N.S.F.) APPROVED IN CONFORMITY WITH COUNTY HEALTH REGULATIONS.
2. ALL FOOD SERVICE AND RELATED EQUIPMENT SHALL BE INSTALLED IN CONFORMITY WITH N.S.F. STANDARDS.
3. ALL UTILITY LINES (ELECTRICAL, PLUMBING, AND MECHANICAL VENTILATION DUCT WORK SYSTEMS) TO BE INSTALLED WITHIN KITCHENS AND FOOD SERVICE AREAS, SHALL BE CONCEALED.
4. AN MINIMUM AISLE SPACE OF 30" IS REQUIRED IN STORAGE AND UTILITY AREAS WITH A MINIMUM 36" AT LIMITED OPENINGS AND A MINIMUM 42" AT WORK STATIONS.
5. ALL HAND BASINS SHALL BE EQUIPPED WITH MIXING FAUCETS FOR RUNNING HOT AND COLD WATER.
6. ALL REFRIGERATION EQUIPMENT AND EQUIPMENT FOR HOT STORAGE SHALL HAVE THERMOMETERS WHICH ARE EASILY READABLE, IN PROPER WORKING CONDITION, AND ACCURATE WITHIN A RANGE OF PLUS OR MINUS TWO DEGREES.
7. THE LIGHTS THROUGHOUT THE PREP AREA SHALL CONSIST OF RECESSED OR FLUSH SURFACE MOUNTED, PLASTIC COVERED CEILING FIXTURES LOCATED AS INDICATED ON THE PLANS.
8. ALL ARTIFICIAL LIGHTING FIXTURES SHALL BE PROVIDED WITH PROTECTIVE SHIELDING AT ALL REFRIGERATION UNITS, UTENSIL AND EQUIPMENT WASHING AREAS.
9. ALL CUTTING BOARDS AND WORK SURFACES SHALL BE OF NON-WOOD CONSTRUCTION AND N.S.F. APPROVED.
10. EMPLOYEE STORAGE AREA SHALL BE PROVIDED AS INDICATED ON THE PLANS.
11. A JANITORIAL (MOP) SINK WITH THREE INCH (3") DRAIN SHALL BE INSTALLED AND LOCATED AS INDICATED ON THE PLANS.
12. THE PREMISES SHALL BE MECHANICALLY VENTED SUMMER & WINTER.

EQUIPMENT SCHEDULE

ITEM	DESCRIPTION	MANUFACTURER	MODEL NO.	SUPPLIED BY	INSTALLED BY	COMMENTS
1	BARBECUE OVEN	FAST EDDYS	FEC 300	OWNER	GC	See M drawings and provide for unloading
2	PROOFER/HEATER CABINET	CRESCOR	H-137-WSJA-5D	OWNER	GC	
5	WORKTOP FREEZER	HOSHIZAKI	CRMF27-W	OWNER	GC	18" AFF
6	DEEP FRYER	VULCAN	LC300	OWNER	GC	
7	ADJUSTABLE HEAT LAMP	CHEP MASTER	0-76903-90060-1	OWNER	GC	42" AFF WITH PAN CARRIER
8	COUNTERTOP INDUCTION RANGE	GARLAND	GI-HIBA-200	OWNER	GC	42" AFF
9	STAINLESS STEEL WORK TABLE	ADVANCE TABCO	30x36 BS	OWNER	GC	W/ BACKSPLASH AND CASTORS NO SHELF
10	EXHAUST HOOD	CAPTIVEAIRE	SEE M SHEETS	OWNER	GC	SUPPORT FROM STRUCTURE
11	PAN CARRIER	CAMBRO	UPCH400	OWNER	GC	
20	WALL MOUNTED HAND SINK	ADVANCE TABCO	7-PS-EC-SP	OWNER	GC	SPLASH GUARDS/SOAPS/SIGNAGE INC FAUCET AND DRAIN
21	1 COMP SINK	ADVANCE TABCO	FC-1-1620-18LX	OWNER	GC	INC FAUCET AND DRAINS
22	OVER SINK SHELF	METRA RECTA 2-SHELF	36" LONG	OWNER	GC	SEE FOR SIZES
24	CUSTOM WOOD TOP WORKTABLE	CENTRAL	42"x78"	OWNER	GC	GC INSTALL CAN OPENER
25	3-COMP SINK	ADVANCE TABCO	FC-3-1620-18LR	OWNER	GC	INC FAUCET AND DRAINS, 16X20 BOWLS
30	WALK-IN COOLER	IMPERIAL-BROWN	CUSTOM	OWNER	GC	INC LIGHT, INSTALL MANUF PROVIDED GLASS WINDOWS PER MANUF INSTRUCTIONS
31	REACH-IN FREEZER	HOSHIZAKI	CF2S-FS	OWNER	GC	
32	DUNNAGE RACK	BOWTIE	22X36X12	OWNER	GC	
33	24" EPOXY SHELVING	FOCUS	5-SHELF	OWNER	GC	SEE PLAN FOR SIZE
35	WATER HEATER	SEE PLUMBING	SEE PLUMBING	GC		PC FURNISH AND INSTAL
36	18" WIRE SHELVING	FOCUS	5-SHELF	OWNER	GC	SEE PLAN FOR SIZE
37	24" WIRE SHELVING	FOCUS	5-SHELF	OWNER	GC	SEE PLAN FOR SIZE
38	MOP SINK AND FAUCET	SEE PLUMBING	SEE PLUMBING	GC		SEE PLUMBING PC FURNISH AND INSTAL
39	MOP SINK SHELF	ADVANCE TABCO	K245	GC		
42	LOCKERS	SALSBURY INDUSTRIES	5 CUBBY	OWNER	GC	FASTEN TOGETHER
43	FIRE EXTINGUISHER	10 LB. B.C.	PER CODE	GC		COORDINATE WITH FIRE MARSHAL
45	BEVERAGE COOLER	KROWNE	NS52L-KSS	OWNER	GC	SEE PLAN FOR CONFIGURATION
50	BUN GRILL TOASTER/FEED	APWYWOTT	M-83 W200-104	OWNER	GC	6" ABOVE COUNTERTOP
51	HEAT LAMPS	HATCO	120V DL-775 -AC-RTN DL-TRACK-88	OWNER	GC	INC BULBS/TRACK, EC TO CLG MT AND WIRE SWITCH ON WALL
52	STAINLESS PAN WELL WORKTABLE	STANFORD SONOMA	STANFORD SONOMA	OWNER	SS	CUSTOM
53	REFRIGERATED COLD PANS	WELLS	RCP-200	OWNER	GC	18" AFF
54	MAKE UP COUNTER	JOHN BOOS	DICKEY'S STANDARD	OWNER	GC	BUTCHER BLOCK
55	FOOD WARMER TABLE MOUNT	WELLS	MOD200TDM	OWNER	GC	6" ABOVE COUNTERTOP
56	STAINLESS POS WORKTABLE	STANFORD SONOMA	STANFORD SONOMA	OWNER	SS	CUSTOM
60	DIGITAL SCALE	DETCTO	AP5160	OWNER	GC	CERTIFIED
61	PANINI GRILL	CHEF'S SUPREME	PG2S	OWNER		
62	WALL MOUNTED BUN RACK	STANFORD SONOMA	CUSTOM	OWNER	SS	PROVIDE SOLID BLOCKING
63	DIGITAL MENU	SAMSUNG	VENDOR	OWNER	GC	MOUNTS INSTALLED BY GC SEE ELECTRICAL
70	BEVERAGE COUNTER	STANFORD SONOMA	STAINLESS STEEL	OWNER	SS	COORDINATE WITH PC AND EC
72	BEVERAGE DISPENSER	COKE - FREESTYLE	D-36", H-73.75", W-25.5"	OWNER	VENDOR/GC	PC TO MOUNT FILTER AND BACKFLOW PREVENTOR PLUG 42" AFF
73	ICE MAKER	SCOTSMAN	N04220-400LB	OWNER	GC	64" AFF
74	FILTER SYSTEM	EVERPURE	EV9771-32	GC		SEE PLUMBING DRAWINGS
75	CO2	COMPRESS GAS TANKS	WITH GAUGES	VENDOR	VENDOR/GC	COORDINATE VENDOR'S LINES
76	TEA BREWER	BUNN	ITCB-DV-DBC	VENDOR	VENDOR/GC	42" AFF
77	TEA DISPENSER	BUNN		VENDOR	VENDOR/GC	
80	POS SYSTEM	POS PROVIDER		OWNER	GC	COORDINATE WITH CASEWORK
81	CARBONATOR SHELF	CO2 VENDOR		VENDOR	VENDOR/GC	
82	BAG-IN-BOX SODA SYSTEM	BY PURVEYOR		VENDOR	VENDOR/GC	72" AFF INSTALL WATER FILTER
83	ICE CREAM SELF SERVE	STROBELING	E-1111 37	OWNER	GC	OWNER TO PROVIDE CLEANING STANDARDS
84	TRASH CAN	STANFORD SONOMA		OWNER	SS	CUSTOM-INTAL WING WALLS IF INCLUDED
85	COUNTERTOP FOOD WARMER	NEMCO	6055A	OWNER	GC	
86	BEVERAGE BUBBLER DISPENSER	CRATHCO	CS-1016	OWNER	GC	
100	TWO TOP TABLE/BASE CHAIR(S)	SS AND CENTRAL		OWNER	GC	GC ASSEMBLE
101	FOUR TOP TABLE/BASE CHAIRS	SS AND CENTRAL		OWNER	GC	GC ASSEMBLE
102	WOOD BENCH	STANFORD SONOMA	STANFORD SONOMA	OWNER	GC	EXP ANC TO FLR-SEE ELEC FOR OUTLETS

NOTES: GC=GENERAL CONTRACTOR SS=STANFORD SONOMA AFF=ABOVE FINISHED FLOOR
STANFORD SONOMA 12750 Perimeter Road, Suite 154 | Dallas, TX 75228 (469) 930-0340
GC TO COORDINATE AND SUPERVISE INSTALLATION OF ALL VENDORS LINES AND EQUIPMENT AND TAKE CARE TO PROVIDE CORRECT BLOCKING, LINES AND LEVELS FOR PROFESSIONAL INSTALLATION--DO NOT ALLOW NON-CONCEALED, SHODDY WORK--NO EXPOSED LINES OR UNSANITARY CONDITIONS WILL BE ACCEPTED.

GENERAL NOTES

1. CONTRACTOR TO FURNISH SHOP DRAWINGS FOR THE HOOD AND AUTOMATIC FIRE SUPPRESSION SYSTEM AND SUBMIT TO THE FIRE AND/OR BUILDING DEPARTMENT AS REQUIRED.
2. CONTRACTOR IS RESPONSIBLE FOR VERIFYING GAS PRESSURE AT METER PRIOR TO INSTALLATION.

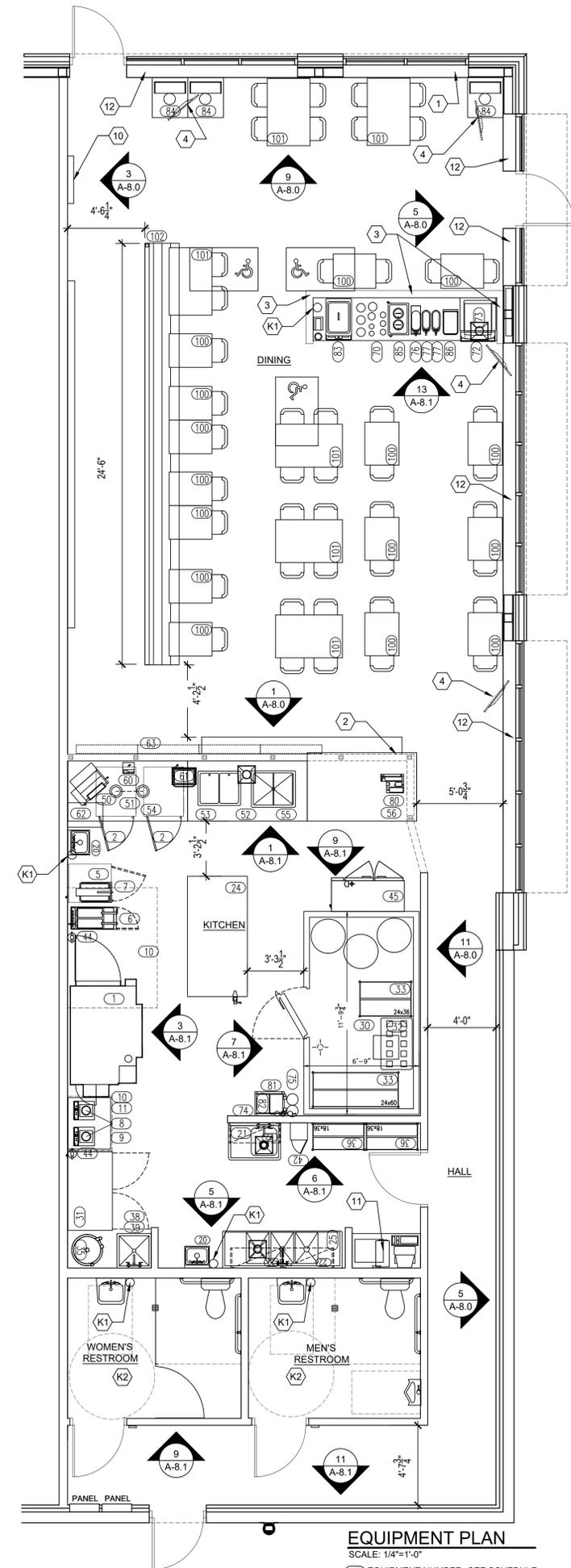
WALK-IN COOLER NOTES

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1. GC TO COORDINATE COOLER INSTALLATION AND INSTALL WALLS AND DOORS.
2. G.C. TO FINISH EXPOSED COOLER WALLS WITH SUBWAY TILE.
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4. EC TO WIRE CONDENSER AND EVAPORATOR CIRCUITS, LIGHTS AND SWITCHES. LIGHTS ARE FURNISHED.
5. PC TO PIPE CONDENSATE DRAINS TO APPROVED LOCATIONS IF REQUIRED.
6. GC TO INSTALL FINISHES AND SHELVING AND CLOSURE TO CEILING

KEYED NOTES

- GENERAL KEYED NOTES
1. SS GAP - PROVIDED BY OWNER, INSTALLED BY GC. GC TO COORDINATE THROAT DIMENSION WITH MANUFACTURER.
 2. FRONT COUNTER WALL BUILT BY GC. GC TO INSTALL OWNER PROVIDED ROLLED METAL PANELS TO FACE OF COUNTER. SEE DETAIL SHEET A2.2
 3. GC TO INSTALL OWNER PROVIDED PARTIAL HEIGHT WALL/WING WALLS AT BEVERAGE COUNTER - ANCHOR TO FLOOR.
 4. CEILING MOUNTED TV MONITORS BY OTHERS. GC TO PROVIDE ELECTRICAL AND VERIFY LOCATION WITH OWNER.
 5. OWNER PROVIDED DIGITAL MENU BOARDS INSTALLED BY G-G.
 6. MAINTAIN 1" AIR GAP TO WALLS AT WALK-IN COOLER.
 7. 2-6 SCHLUTER ECK-E 1-1/2" SS CORNER GUARD.
 8. 1-8 SCHLUTER RENO RAMP AERP-125-B90
 9. 2-3 SCHLUTER RENO RAMP M6-125-ACGP-EDGE TRIM AT BRICK VENEER.
 10. LIGHTED "D" SIGN TO BE SWITCHED WITH DINING ROOM CHANDELIERS. SEE SHEET A2.2
 11. GC TO FURNISH AND INSTALL TOP AND BACKING FOR DATA TELEPHONE BOARD.
 12. GC TO REMOVE EXISTING LAMINATE SILL AND REPLACE WITH RECLAIMED WOOD SILL BY STANFORD SONOMA. GC TO COORDINATE DIMENSION.
 13. GC TO PROVIDE GEMENT WALLBOARD - ALL WALLS AT SINKS. SEE ELEVATIONS.
- EQUIPMENT KEYED NOTES
- K1. GC TO INSTALL OWNER PROVIDED CUSTOM PAPER TOWEL HOLDERS TO SOLID BLOCKING. PROVIDE FIRE RATED MATERIALS AS REQUIRED BY CODE. SEE TOILET ACCESSORIES SCHEDULE SHEET A8.2
 - K2. SEE SHEET A8.2 FOR RESTROOM ELEVATIONS AND DETAILS.



EQUIPMENT PLAN

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

(12) EQUIPMENT NUMBER--SEE SCHEDULE

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Birmingham, AL 35242
205.541.7898
john@johnvaciarichitect.com



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corbett@corbettengineering.com

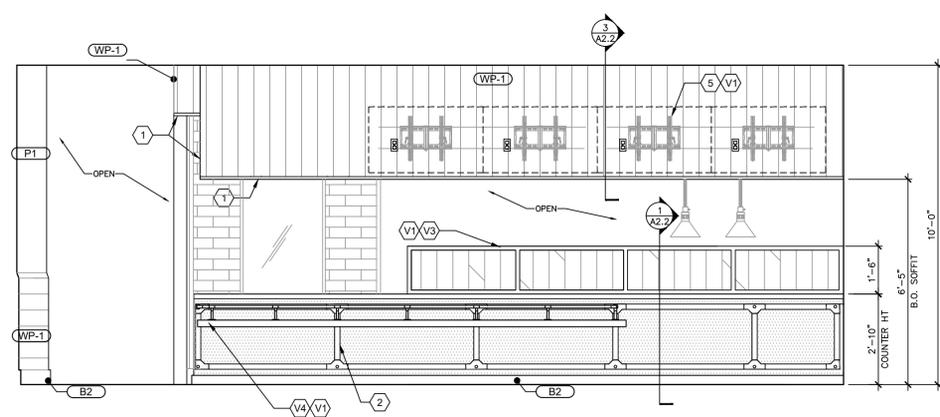
Store No: OH-1844
10411 Fremont Pike
Perrysburg, OH 43551



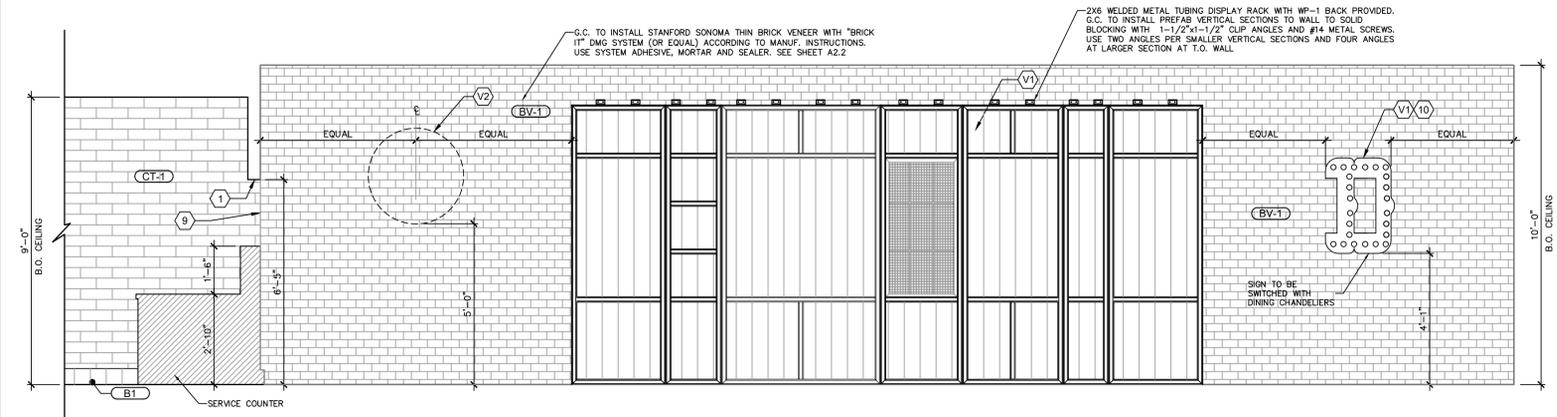
Gillett Restaurant Group LLC
2823 East Sand Road
Port Clinton, Ohio 43452
567.207.7497
1994zachgillett@gmail.com

DATE	ISSUED / REVISED
01/04/19	DICKEY'S PROGRESS CHECK SET
01/07/19	ISSUED FOR PERMIT
02/04/19	ISSUED FOR CONSTRUCTION

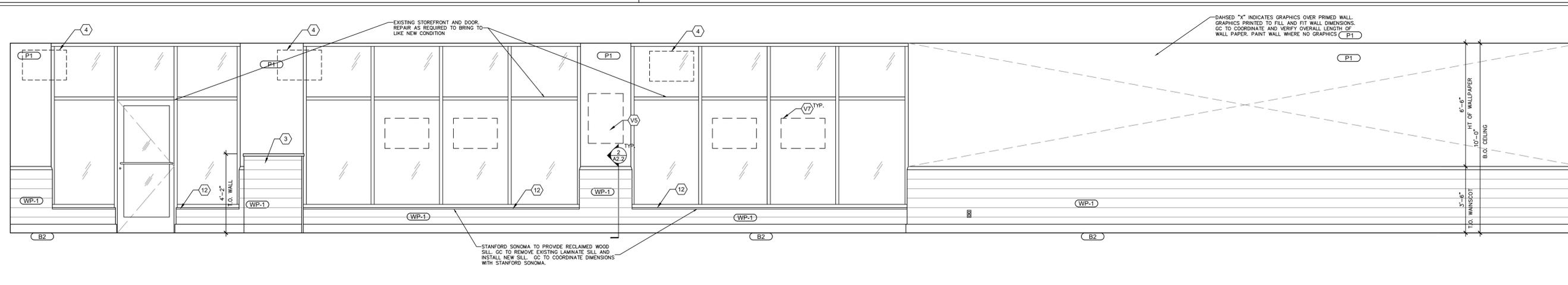
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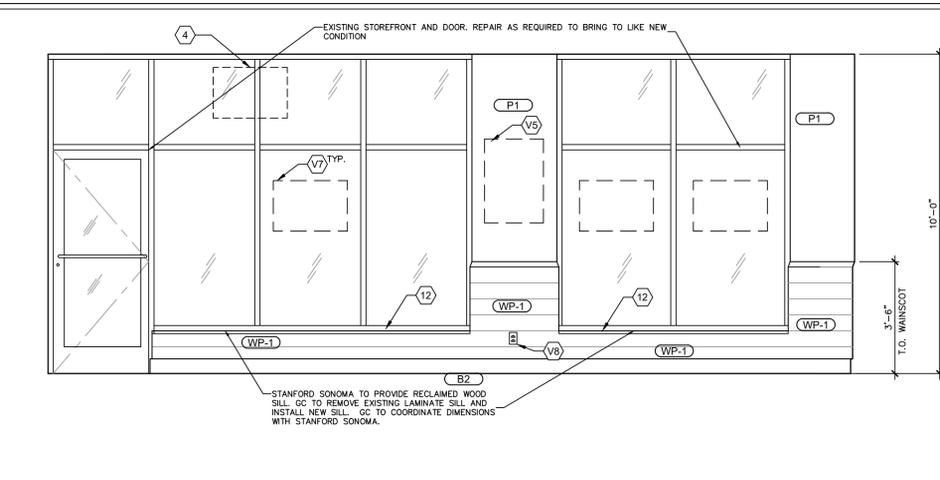
1 INTERIOR ELEVATION AT SERVICE COUNTER
 3/8" = 1'-0" NOTE:



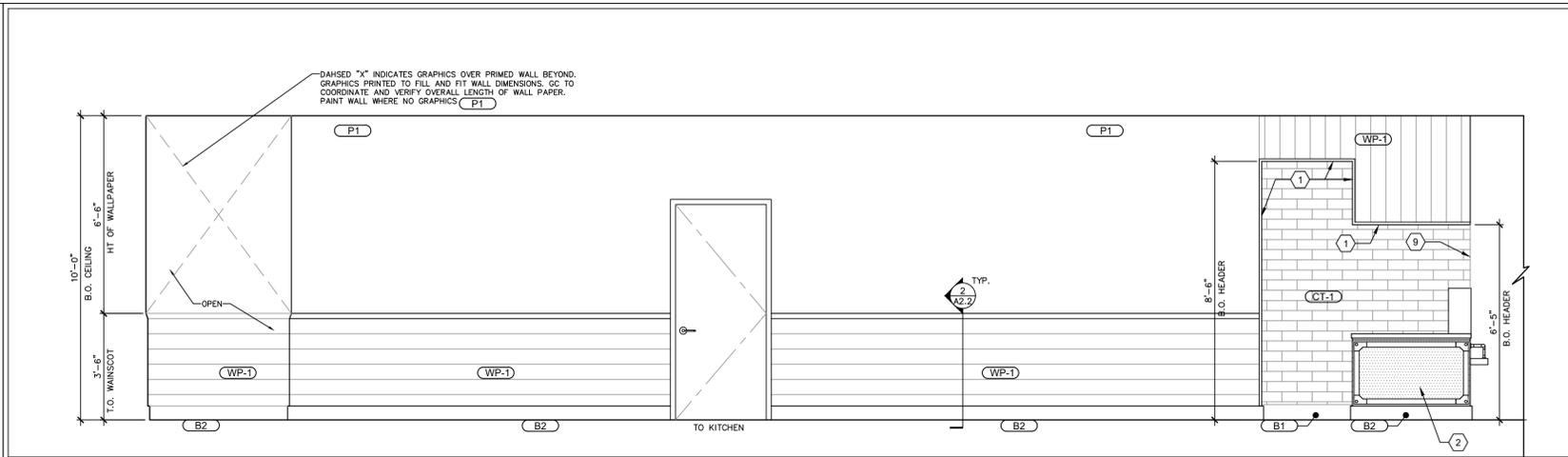
3 INTERIOR ELEVATION AT RIGHT SIDE DINING/QUEUE
 3/8" = 1'-0" NOTE:



5 INTERIOR ELEVATION AT LEFT WALL DINING/HALL
 3/8" = 1'-0" NOTE:



9 INTERIOR ELEVATION AT STOREFRONT
 3/4" = 1'-0" NOTE:



11 INTERIOR ELEVATION AT HALLWAY
 3/8" = 1'-0" NOTE:

PAINT AND WALLPAPER INSTALLATION NOTES

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- DO NOT USE ALL IN ONE PAINTS AS THEY WILL CAUSE BUBBLING ISSUES.
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 THIS PRODUCT CAN BE FOUND AT THE HOME DEPOT, LOWE'S OR SHERWIN WILLIAMS, ETC. ROMAN PRO 880 IS 100% VOC FREE CERTIFIED.

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- GC TO INSTALL GRAPHIC WALL PAPER PROVIDED BY OWNER. SEE INSTALLATION NOTES THIS SHEET.
- OWNER PROVIDED METAL WOOD DISPLAY INSTALLED BY GC.
- GC TO INSTALL OWNER PROVIDED MERCHANDISER SHELF
- ART PANEL BY OWNER, INSTALLED BY GC.
- FIRE EXTINGUISHER - K TYPE WITHIN 30 FEET OF HOOD
- GC TO INSTALL WINDOW GRAPHICS BY OTHERS
- USB OUTLET

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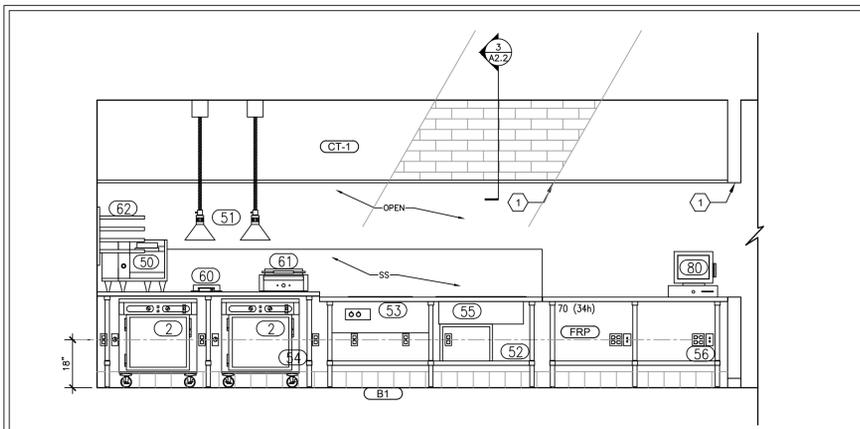
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DATE: 03/18
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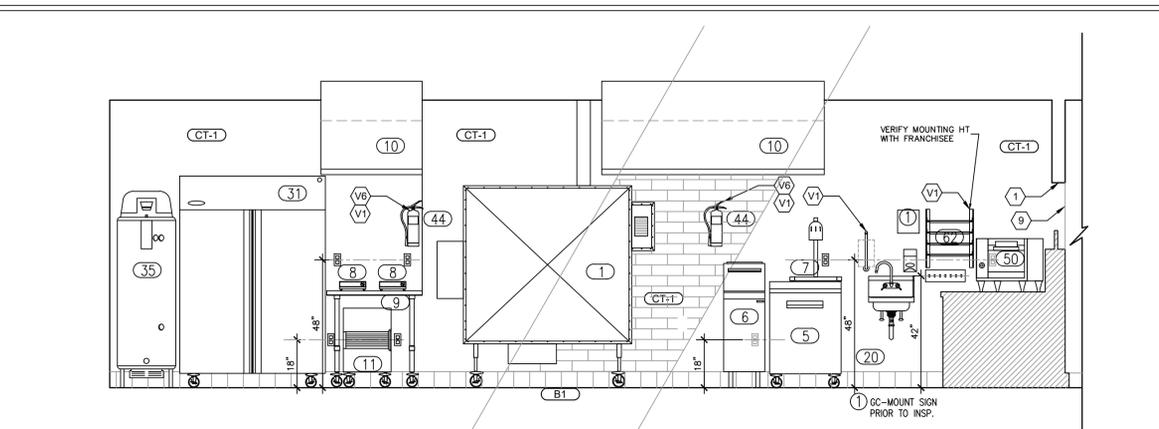
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 ISSUED FOR CONSTRUCTION

DINING ELEVATIONS

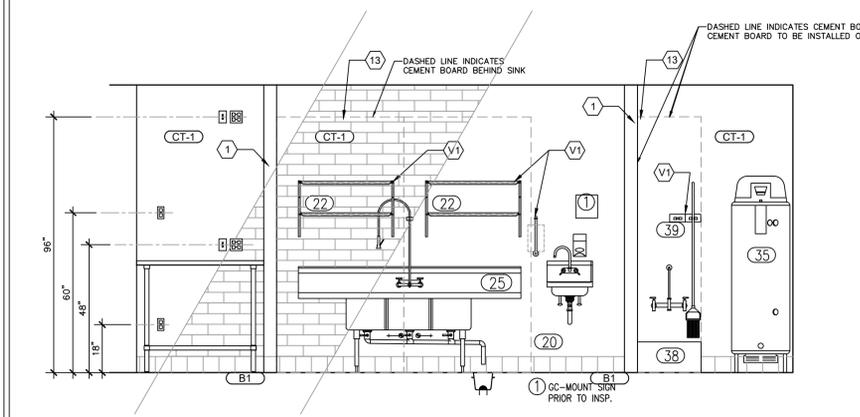
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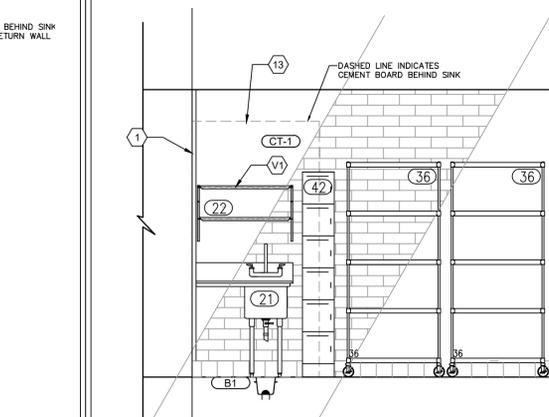
1 INTERIOR ELEVATION AT SERVICE LINE
3/8"=1'-0" NOTE:



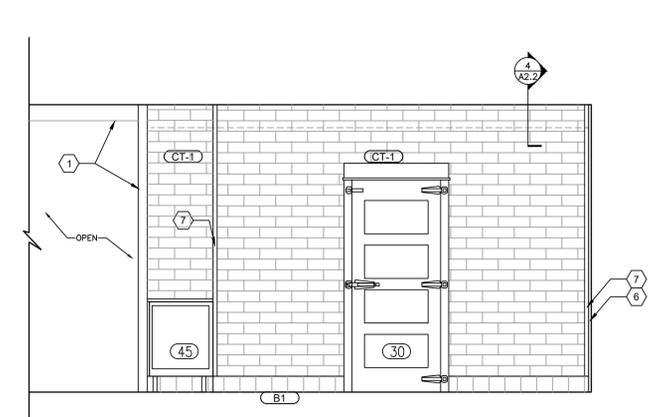
3 INTERIOR ELEVATION AT OVEN
3/8"=1'-0" NOTE:



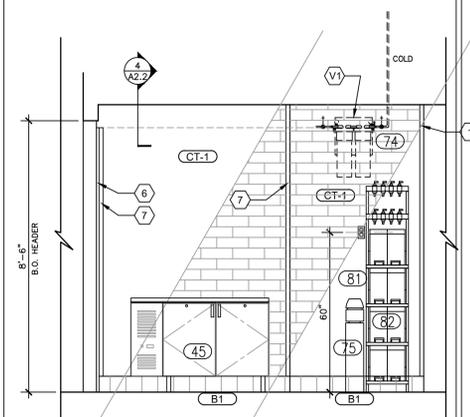
5 MOP/HWH/MANAGER'S STATION
3/8"=1'-0" NOTE:



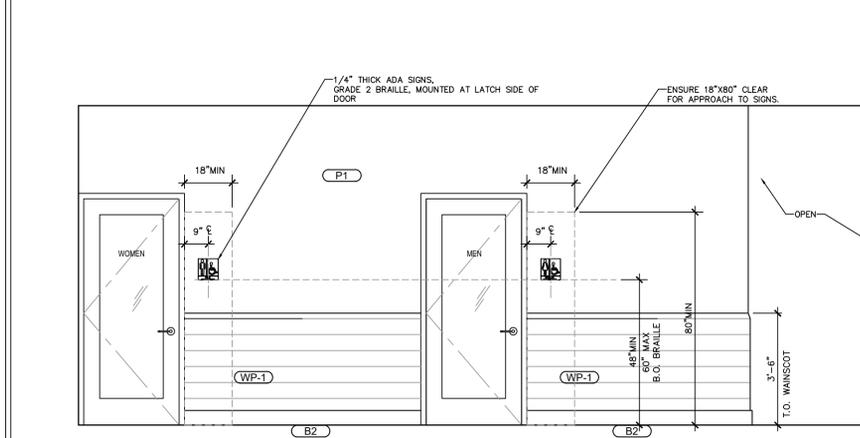
6 PREP SINK
3/8"=1'-0" NOTE:



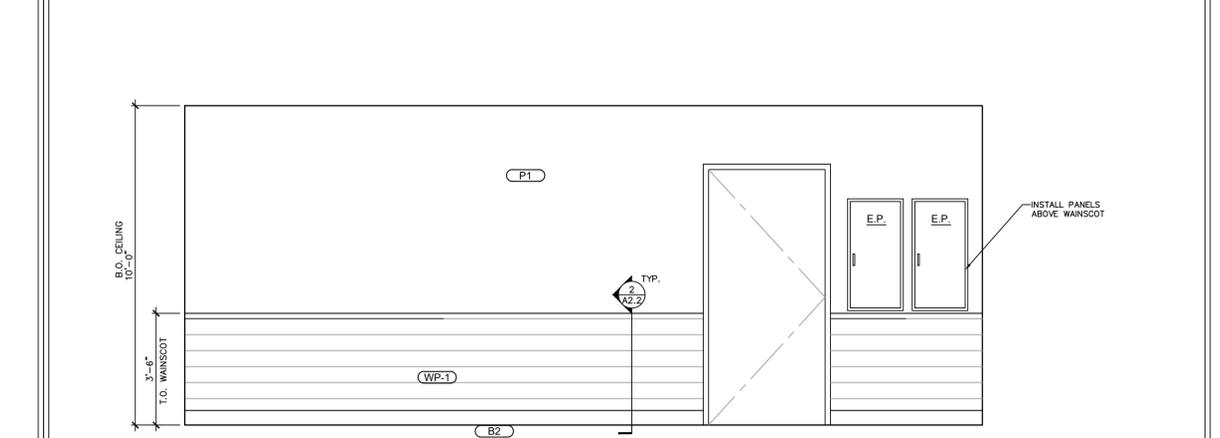
7 WALK-IN COOLER
3/8"=1'-0" NOTE:



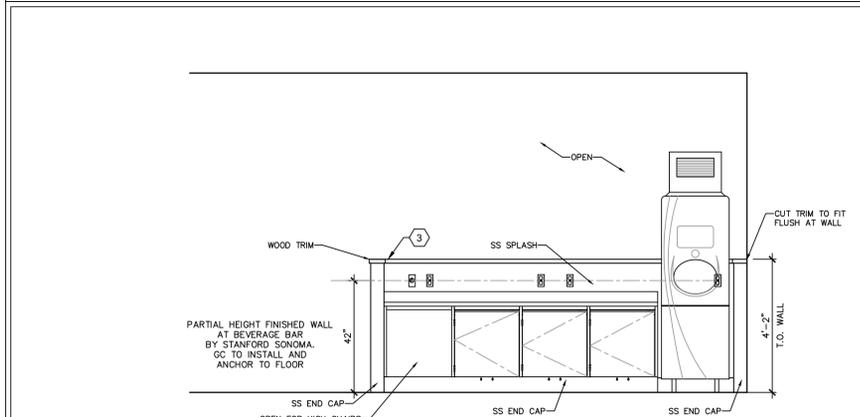
8 BEVERAGE COOLER
3/8"=1'-0" NOTE:



9 INTERIOR ELEVATION AT STOREFRONT
3/4" = 1'-0" NOTE:



11 INTERIOR ELEVATION AT HALLWAY
3/8" = 1'-0" NOTE:



13 INTERIOR ELEVATION AT BEVERAGE COUNTER
3/4" = 1'-0" NOTE:

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01/07/19

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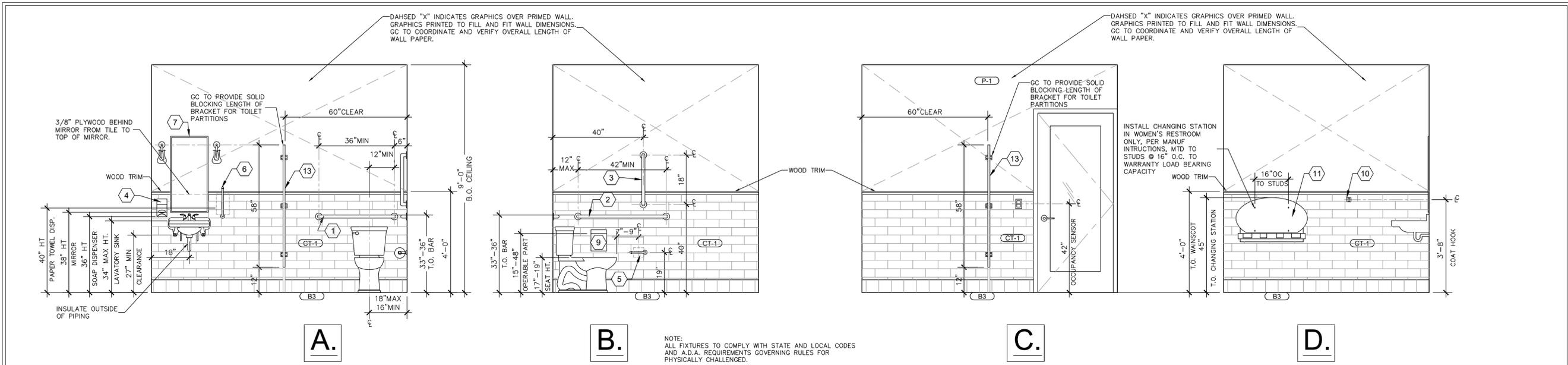
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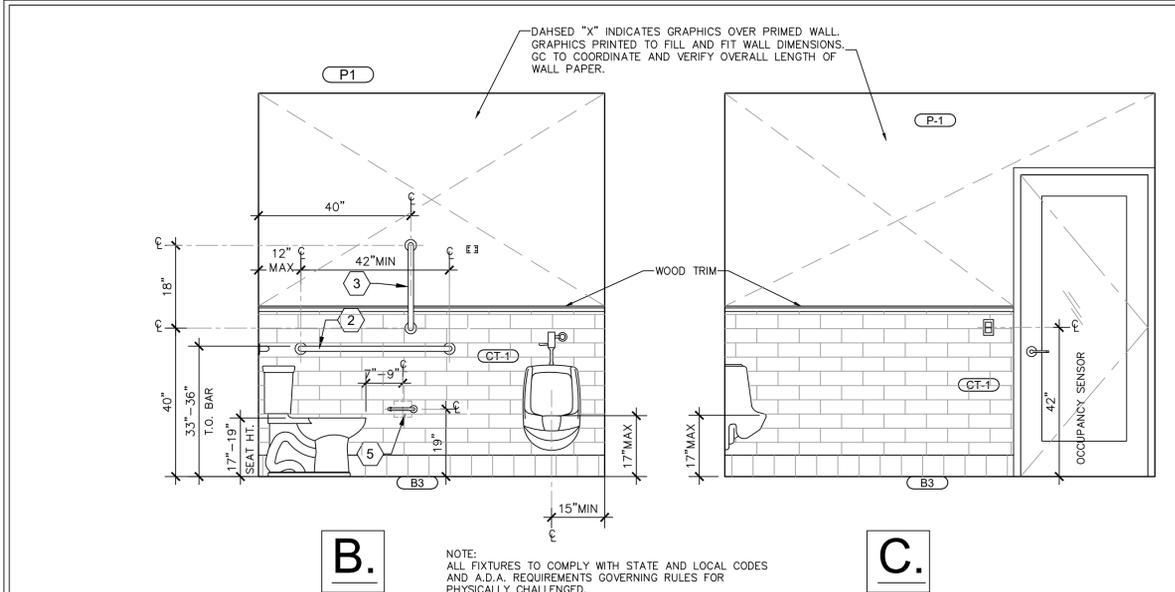
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RESTROOM ELEVATIONS

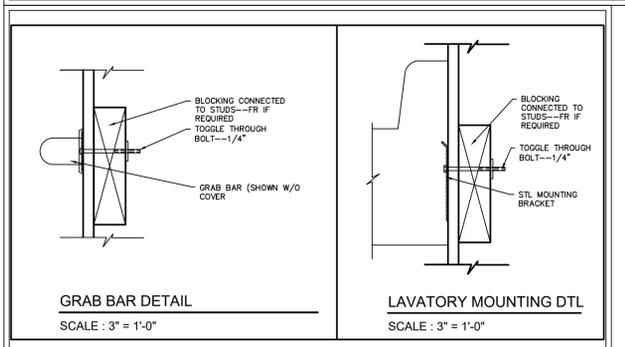


1 INTERIOR ELEVATION AT WOMEN'S RESTROOM
 1/2" = 1'-0" NOTE:



2 INTERIOR ELEVATION AT MEN'S RESTROOM
 1/2" = 1'-0" NOTE:

- PAINT AND WALLPAPER INSTALLATION NOTES**
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3 MOUNTING DETAILS
 3" = 1'-0" NOTE:

TOILET EQUIPMENT SCHEDULE

ITEM	DESCRIPTION	MANUFACTURER	MODEL	REMARKS
1	REAR GRAB BAR	BOBRICK	B5806.99 42" LONG	1-1/2" DIA. STAINLESS STEEL CONCEALED MOUNTING FLANGE, PEENED GRIP, POLISHED ENDS
2	SIDE GRAB BAR	BOBRICK	B5806.99 36" LONG	1-1/2" DIA. STAINLESS STEEL CONCEALED MOUNTING FLANGE, PEENED GRIP, POLISHED ENDS
3	VERTICAL GRAB BAR	BOBRICK	B5806.99 18" LONG	1-1/2" DIA. STAINLESS STEEL CONCEALED MOUNTING FLANGE, PEENED GRIP, POLISHED ENDS
4	LIQUID SOAP DISPENSER	KIMBERLY CLARK	92145	BLACK
5	TOILET PAPER HOLDER	STANFORD SONOMA	CUSTOM	BLACK IRON
6	PAPER TOWEL HOLDER	STANFORD SONOMA	CUSTOM	BLACK IRON
7	MIRROR	BRADLEY	780-01836	WALL MOUNT, STAINLESS STEEL FRAME
8	TRASH RECEPTACLE	RUBBERMAID	1901999	24 GAL METAL FRONT, STEP-ON WASTE BIN
9	SAN NAPKIN DISPOSAL	BOBRICK	B-270	SURFACE MOUNTED
10	COAT HOOK	BOBRICK	B-76717	STAINLESS STEEL, HEAVY DUTY
11	BABY CHANGING STATION	KOALA	KB 208-14	SURFACE MOUNTED
12	URINAL PARTITION	SCRANTON	National Accounts	NOT USED
13	TOILET PARTITIONS	SCRANTON	National Accounts	

KEY PLAN

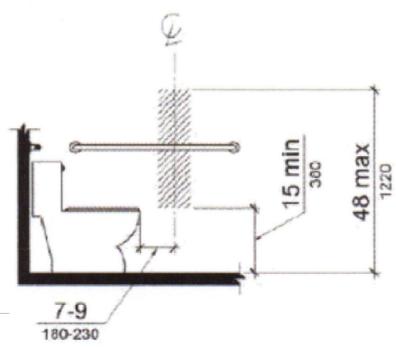
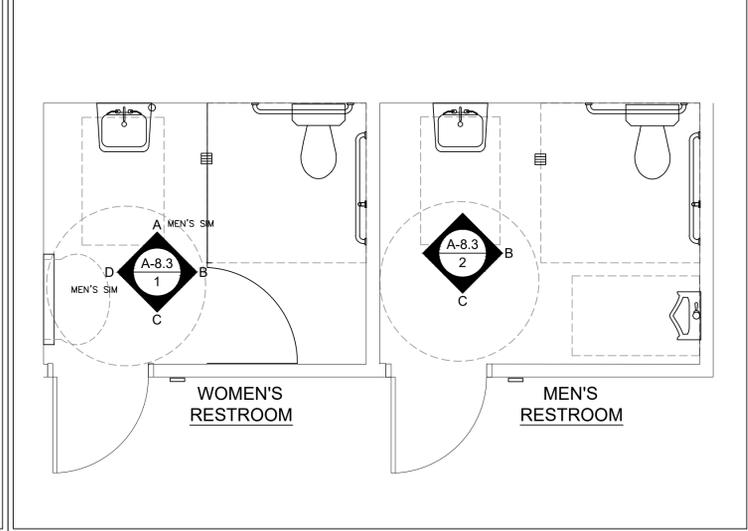


Figure 604.7 Dispenser Outlet Location

609.4 Position of Grab Bars.

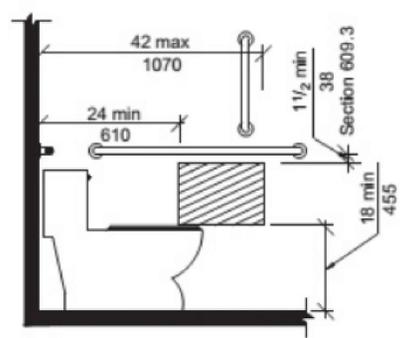
Grab bars shall be installed in a horizontal position, 33 inches (840 mm) minimum and 36 inches (915 mm) maximum above the finish floor measured to the top of the gripping surface, except that at water closets for children's use complying with 604.9, grab bars shall be installed in a horizontal position 18 inches (455 mm) minimum and 27 inches (685 mm) maximum above the finish floor measured to the top of the gripping surface. The height of the lower grab bar on the back wall of a bathtub shall comply with 607.4.1.1 or 607.4.2.1.

604.7 Dispensers.

Toilet paper dispensers shall comply with Section 309.4. Where the dispenser is located above the grab bar, the outlet of the dispenser shall be located within an area 24 inches (610 mm) minimum and 36 inches (915 mm) maximum from the rear wall. Where the dispenser is located below the grab bar, the outlet of the dispenser shall be located within an area 24 inches (610 mm) minimum and 42 inches (1065 mm) maximum from the rear wall. The outlet of the dispenser shall be located 18 inches (455 mm) minimum and 48 inches (1220 mm) maximum above the floor. Dispensers shall comply with Section 609.3. Dispensers shall not be of a type that control delivery, or do not allow continuous paper flow.

604.7 Dispensers.

Toilet paper dispensers shall comply with 309.4 and shall be 7 inches (180 mm) minimum and 9 inches (230 mm) maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be 15 inches (380 mm) minimum and 48 inches (1220 mm) maximum above the finish floor and shall not be located behind grab bars. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.



(a) Protruding Dispenser Below Grab Bar

PLUMBING GENERAL NOTES

GENERAL REQUIREMENTS:

- SCOPE: PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED FOR THE COMPLETION AND OPERATION OF ALL SYSTEMS IN THIS SECTION OF WORK IN ACCORDANCE WITH ALL APPLICABLE CODES.
- PERMITS: APPLY FOR AND PAY FOR ALL NECESSARY PERMITS, FEES, AND INSPECTIONS REQUIRED BY ANY PUBLIC AUTHORITY HAVING JURISDICTION.
- WARRANTY: PROVIDE ALL MATERIALS AND EQUIPMENT UNDER THIS SECTION OF THE SPECIFICATIONS WITH A ONE YEAR WARRANTY FROM THE DATE OF ACCEPTANCE OF WORK BY THE OWNER.
- COORDINATION: VERIFY ALL ROUGH-IN LOCATIONS AND COORDINATE PIPING AND EQUIPMENT LOCATIONS WITH WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID CONFLICTS. CONTRACTOR MUST COORDINATE WITH OTHER TRADES FOR ALL STRUCTURES, PIPING, CONDUIT, DUCTWORK, LIGHTING, ETC. TO PROPERLY BE INSTALLED. ANY CONFLICTS SHALL BE RESOLVED AT NO CHARGE TO THE OWNER. COORDINATE INSTALLATION OF ALL PLUMBING LINES AT CMU WALLS SO THAT PLUMBING LINES ARE PLACED IN WALL DURING CMU WALL CONSTRUCTION. CUTTING AND PATCHING OF CMU WALLS IN PLACE WILL NOT BE PERMITTED.
- FIELD VERIFICATION: FIELD VERIFY EXISTING CONDITIONS BEFORE STARTING CONSTRUCTION AND NOTIFY THE ARCHITECT/ENGINEER OF RECORD OF ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND EXISTING CONDITIONS AND/OR ANY POTENTIAL PROBLEMS OBSERVED BEFORE CONTINUING WORK IN THE EFFECTED AREAS.
- PLUMBING SYSTEMS INCLUDE, BUT ARE NOT LIMITED TO:
 - PLUMBING FIXTURES AND EQUIPMENT
 - FIRE STOPPING
 - DOMESTIC WATER SYSTEM
 - SANITARY WASTE AND VENT SYSTEM
 - GAS SYSTEM

FIXTURES:

- PROVIDE COMPLETE FIXTURES AND INCLUDE SUPPLIES, STOPS, VALVES, FAUCETS, DRAINS, TRAPS, TAIL PIECES, ESCUTCHEONS, ETC.

FIRE STOPPING:

- FIRE STOP ALL PENETRATIONS, BY PIPING OR CONDUITS, OF FIRE RATED WALLS, FLOORS AND PARTITIONS. PROVIDE A DEVICE(S) OR SYSTEM(S) WHICH HAS BEEN TESTED AND LISTED AS COMPLYING WITH ASTM E-814 AND INSTALL IN ACCORDANCE WITH THE CONDITIONS OF THEIR LISTING. PROVIDE A DEVICE(S) OR SYSTEM(S) WITH AN "F" RATING EQUAL TO THE RATING OF THE ASSEMBLY BEING PENETRATED.

DOMESTIC WATER PIPING:

- FURNISH AND INSTALL A COMPLETE SYSTEM OF HOT AND COLD WATER, AND WASTE PIPING FROM EXISTING SUPPLIES TO ALL FIXTURES AND/OR EQUIPMENT REQUIRING THIS SERVICE. VERIFY LOCATION OF BEGINNING POINTS.
- DOMESTIC WATER PIPING BELOW GRADE: SOFT ANNEALED SEAMLESS COPPER TUBING, TYPE "K" WITH NO JOINTS BELOW GRADE (ASTM B 88).
- DOMESTIC WATER PIPING AND JOINTS ABOVE GRADE: HARD DRAWN SEAMLESS COPPER TUBING, TYPE "L" WITH 95-5 SILVER SOLDERED JOINTS (ASTM B 88).
- STERILIZE DOMESTIC WATER PIPING IN ACCORDANCE WITH THE AMERICAN WATER WORKS ASSOCIATION'S SPECIFICATIONS AND LOCAL HEALTH DEPARTMENT REGULATIONS.
- INSULATE DOMESTIC WATER PIPING ABOVE GRADE (EXCEPT EXPOSED CONNECTIONS TO PLUMBING FIXTURES) WITH ENGINEERED POLYMER FOAM INSULATION OR FIBERGLASS WITH FITTING INSERTS AND PVC COVERS. FOLLOW THIS SCHEDULE:

SERVICE	PIPE SIZE	INS. THICKNESS
DOMESTIC HOT WATER (105-140°F)	1/2" - 1 1/2"	1/2"
DOMESTIC HOT WATER CIRCULATION	ALL	1/2"
DOMESTIC COLD WATER	ALL	1/2"
- DOMESTIC WATER PIPING INSULATION, JACKETS, COVERINGS, SEALERS, WASTES AND ADHESIVES ARE REQUIRED TO MEET A FLAME-SPREAD RATING OF 25 OR LESS AND A SMOKE-DEVELOPED RATING OF 50 OR LESS, AS TESTED BY ASTM E84 (NEPA 255) METHOD.
- DO NOT INSTALL DOMESTIC WATER PIPING IN AREAS SUBJECT TO FREEZING TEMPERATURES. INSTALL WATER PIPING IN EXTERIOR WALLS ON THE CONDITIONED SIDE OF THE WALL INSULATION.
- SHUT OFF VALVES: PROVIDE FULL PORT, BALL TYPE, AND INSTALL IN A LOCATION THAT PERMITS ACCESS FOR SERVICE WITHOUT DAMAGE TO THE BUILDING OR FINISHED MATERIALS. PROVIDE ACCESS DOORS IF REQUIRED.
- PROTECT COPPER PIPING AGAINST CONTACT WITH DISSIMILAR METALS. ALL HANGERS, SUPPORTS, ANCHORS, AND CLIPS SHALL BE COPPER OR COPPER PLATED. WHERE COPPER PIPING IS CARRIED ON IRON TRAPEZE HANGERS WITH OTHER PIPING, PROVIDE A PERMANENT ELECTROLYTIC ISOLATION MATERIAL TO PREVENT CONTACT WITH OTHER METALS.
- PROTECT COPPER PIPING AGAINST CONTACT WITH ALL MASONRY. WHERE COPPER IS SLEEVED THROUGH MASONRY, PROVIDE COPPER OR RED BRASS SLEEVES. WHERE COPPER MUST BE CONCEALED IN OR AGAINST MASONRY PARTITIONS, PROVIDE A HEAVY COATING OF ASPHALTIC ENAMEL ON THE COPPER PIPING AND 15# ASPHALT SATURATED FELT BETWEEN THE PIPING AND THE MASONRY PARTITION.

SANITARY WASTE AND VENT PIPING:

- FURNISH AND INSTALL COMPLETE SYSTEMS OF SOIL, WASTE, AND VENT PIPING FROM ALL PLUMBING FIXTURES, AND/OR OTHER EQUIPMENT. ALL SOIL, WASTE AND VENT LINES SHALL BE CONCEALED IN THE BUILDING CONSTRUCTION WHERE POSSIBLE.
- INVERT ELEVATIONS SHALL BE ESTABLISHED AND VERIFIED BEFORE WASTE PIPING IS INSTALLED IN ORDER THAT PROPER SLOPES WILL BE MAINTAINED.
- IF PERMITTED BY LOCAL CODES, SANITARY WASTE AND VENT PIPING AND FITTINGS SHALL BE SCHEDULE 40 PVC (ASTM D 2665) WITH SCHEDULE 40 SOCKET-TYPE PIPE FITTINGS (ASTM D 3311). ONLY IF PVC IS NOT ALLOWED, THEN SANITARY WASTE AND VENT PIPING AND FITTINGS SHALL BE SERVICE WEIGHT CAST IRON, HUB AND SPIGOT TYPE WITH COMPRESSION JOINTS (ASTM A 74) OR NO-HUB PIPING WITH COUPLINGS (OSPI 301).
- SLOPE SANITARY WASTE PIPING 2 1/2" AND SMALLER AT 1/4" PER FOOT MIN. SLOPE SANITARY WASTE PIPING 3" AND LARGER AT 1/8" PER FOOT MINIMUM.
- WHERE WASTE PIPING IS EXPOSED IN REST ROOM AREAS, PROVIDE CHROME PLATED BRASS PIPING WITH MATCHING STOPS AND ESCUTCHEONS. PROVIDE REMOVABLE TRAPS WITH INTERNAL CLEAN-OUT PLUG FOR ALL LAVATORIES.
- INSTALL CLEAN-OUTS IN A LOCATION THAT PERMITS ACCESS FOR SERVICE WITHOUT DAMAGE TO THE BUILDING OR FINISHED MATERIALS. CLEANOUT PLUGS SHALL BE INSTALLED IN ACCORDANCE WITH PLUMBING CODE REQUIREMENTS AT EACH CHANGE IN DIRECTION.

SEISMIC REQUIREMENTS:

- PROPERLY SUPPORT AND BRACE VERTICALLY AND HORIZONTALLY ALL PIPING, APPARATUS, EQUIPMENT, ETC. IN ACCORDANCE WITH APPLICABLE CODES TO PREVENT EXCESSIVE MOVEMENT DURING SEISMIC CONDITIONS.

BACKFLOW PREVENTION:

- VERIFY BACKFLOW PREVENTOR REQUIREMENTS OF LOCAL AUTHORITY AND PROVIDE BACKFLOW PREVENTION DEVICES AS REQUIRED. COORDINATE LOCATION WITH OTHER TRADES.

GAS PIPING:

- WORK TO INCLUDE PIPING FROM GAS METERS UTILITY STUB TO ALL GAS FIRED EQUIPMENT SERVING BUILDING, AND THE CONNECTION TO THE EQUIPMENT.
- ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL CODE REQUIREMENTS, AND THE PROVISIONS OF NFPA-54 AND NFPA-98.
- PIPE 2" AND SMALLER SHALL BE SCHEDULE 40 STEEL WITH THREADED MALLEABLE FITTINGS.
- VALVES SHALL BE GAS COOKS MANUFACTURED BY NIBCO.
- ALL GAS PIPING LOCATED UNDER THE FLOOR SLABS SHALL BE INSTALLED IN CONDUIT OR AS REQUIRED BY CODE.
- PROVIDE DIRT TRAPS AND SHUT-OFF VALVES WITH UNIONS AT EACH CONNECTION TO GAS FIRED EQUIPMENT. PROVIDE REGULATOR AS REQUIRED AT EACH PIECE OF EQUIPMENT.
- ALL PIPING EXPOSED TO THE OUTDOORS OR RUN IN UNCONDITIONED SPACES SHALL BE PAINTED WITH TWO COATS OF ENAMEL.
- CORRUGATED STAINLESS STEEL TUBING SHALL NOT BE USED WITHOUT WRITTEN APPROVAL. PIPING WILL LIKELY INCREASE IN SIZE IF CSST TUBING IS USED.

PLUMBING LEGEND

-----	DOMESTIC COLD WATER PIPING
-----	EXIST. DOMESTIC COLD WATER PIPING
-----FW	FILTERED WATER
-----110F	110°F DOMESTIC HOT WATER PIPING
-----140F	140°F DOMESTIC HOT WATER PIPING
-----	VENT PIPING
-----	EXIST. VENT PIPING
-----	WASTE
----- (E)	EXIST. WASTE
-----GR	GREASE WASTE
----- (E)GR	EXIST. GREASE WASTE
-----G	FUEL GAS PIPING
----- (E)G	EXIST. FUEL GAS PIPING
	BALL VALVE
	BALANCING VALVE
	PIPE UP
	PIPE DOWN
	FIXTURE DESIGNATION
	TIE-IN TO EXISTING LINE, VERIFY INVERT, FLOW DIRECTION, EXACT SIZE, ETC.
	PROVIDE POINT OF USE MIXING VALVE AT HAND SINK/LAV SET TO 110 DEG. F. WAITS MODEL 1/2" LFMMV.
	WATER METER

AAV	AIR ADMITTANCE VALVE EQUAL TO STUDOR MAXI VENT
ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
CW	COLD WATER
DN	DOWN
ECO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FR	FROM
HW	HOT WATER
P.C.	PLUMBING SUB-CONTRACTOR
V	VENT
W	WASTE

PLUMBING FIXTURE SPECIFICATIONS AND CONNECTION SCHEDULE

MARK	FIXTURE	TYPE	MANUFACTURER	MODEL NO.	MATERIAL	STYLE	FAUCET/VALVE				DRAIN		SUPPLIES AND STOPS	PIPE SIZES				MOUNTING	REMARKS
							MANUFACTURER MODEL NO.	SPOUT	HANDLES	CENTERS	TYPE	SIZE		WASTE	VENT	CW	HW		
P-1	WATER CLOSET	FLUSH TANK	KOHLER	K-3493 "HIGHLINE"	VITREOUS CHINA	HANDICAP ELONGATED	---	---	---	---	---	---	K-7639	3"	2"	1/2"	---	FLOOR	PROVIDE K-4670-SC SEAT. PRESSURE ASSISTED FLUSHING SYSTEM. SEE NOTE 1.
P-1B	WATER CLOSET	FLUSH TANK	KOHLER	K-3493-RA "HIGHLINE"	VITREOUS CHINA	HANDICAP ELONGATED	---	---	---	---	---	---	K-7639	3"	2"	1/2"	---	FLOOR	PROVIDE K-4670-SC SEAT. PRESSURE ASSISTED FLUSHING SYSTEM. SEE NOTE 1.
P-2	LAVATORY	WALL HUNG	KOHLER	K-1728 "CHESAPEAKE"	VITREOUS CHINA	HANDICAP SHELFBACK	ZURN Z86500-XL 0.25 GPC	STANDARD	PUSH BUTTONS	4"	GRID	1 1/2"	K-7606-P	1 1/2"	1 1/2"	1/2"	1/2"	WALL HUNG	LEAD FREE METERING FAUCET. 0.25 GALLONS/CYCLE. 1.0 GPM. SEE NOTE 2.
P-3	URINAL	FLUSH VALVE	KOHLER	K-5016-ET	VITREOUS CHINA	SIPHON JET	SLOAN G2-8186 1.0 GPC	---	---	---	---	---	---	2"	1 1/2"	3/4"	---	WALL HUNG	PROVIDE WITH JOSAM 17825 CARRIER. PROVIDE BATTERY POWERED SENSOR FLUSH VALVE.
P-4	SERVICE SINK	MOP SINK	MUSTEE	63M	STRUCTURAL FIBERGLASS	24"x24"x10"	FURNISHED W/ KITCHEN EQUIPMENT	WITH PAIL HOOK	FOUR ARM	8"	GRID	3"	---	3"	1 1/2"	1/2"	1/2"	FLOOR	PROVIDE WITH 65.700 HOSE AND HOSE HOLDER, 65.600 MOP HANGER AND 63.401 VINYL BUMPER NOTE: FAUCET IS BEING FURNISHED WITH KITCHEN EQUIPMENT. SEE ITEM #38.
HS-1	HAND SINK	WALL HUNG	SEE EQUIPMENT SCHEDULE		STAINLESS STEEL						GRID	1 1/2"	McQUIRE 16SLK	1 1/2"	1 1/2"	1/2"	1/2"	WALL HUNG	SEE NOTE 2. HAND SINK IS FURNISHED WITH KITCHEN EQUIPMENT
ECO	FLOOR CLEAN-OUT	ROUND TOP	JR SMITH	409-H04 W/ 410-22 TOP	PVC BODY	BRONZE PLUG	---	---	---	---	---	---	---	---	---	---	---	FLOOR	
WCO	WALL CLEAN-OUT	ROUND COVER	JR SMITH	4472	BRONZE PLUG	SS COVER	---	---	---	---	---	---	---	---	---	---	---	WALL	PC TO PROVIDE PVC THREADED CLEANOUT T.
FD	FLOOR DRAIN	SQUARE TOP	JR SMITH	212-H W/ 210-13	PVC BODY	BRONZE STRAINER	---	---	---	---	PVC	SEE PLAN	---	---	---	---	---	FLOOR	PROVIDE DEEP SEAL TRAP WITH TRAP SEAL MAINTENANCE DEVICE (ASSE 1072) EQUAL TO PREVENT SYSTEMS PROTECT TRAP/CUARD. IF TRAP SEAL MAINTENANCE DEVICES ARE NOT ALLOWED BY LOCAL JURISDICTION, PROVIDE TRAP PRIMER, HOSE BIBB OR OTHER CODE APPROVED METHOD.
ES	FLOOR SINK	SQUARE TOP	JR SMITH	305H-12	PVC BODY	12X12 W/ 1/2 GRATE	---	---	---	---	PVC	SEE PLAN	---	---	---	---	---	FLOOR	PROVIDE WITH HALF GRATE
WHA	WATER HAMMER ARRESTOR																		SIZE PER MANUFACTURER'S RECOMMENDATIONS
WH-1	WATER HEATER	GAS	A.O. SMITH	BTX-100	GLASS LINED	COMMERCIAL	---	---	---	---	---	---	---	---	---	SEE PLAN	SEE PLAN	SEE DETAIL	50 GAL. STORAGE; 100,000 BTUH GAS INPUT, 96% EFF, 116 GPH RECOVERY @ 100°F RISE. PROVIDE WITH ROOF CONCENTRIC VENT.

NOTE 1: SEE ARCH. ELEVATIONS FOR TRIP LEVER LOCATION. INSTALL TRIP LEVER TO WIDE SIDE OF STALL. SPECIFY TRIP LEVER LOCATION WHEN ORDERING.

NOTE 2: INSULATE HOT & COLD WATER SUPPLIES AND P-TRAP WITH TRUEBRO MODEL 102 INSULATION KIT.

KITCHEN EQUIPMENT SCHEDULE

ITEM	QTY	DESCRIPTION	MANUFACTURER	MODEL	WATER				WASTE			GAS		NOTES	
					COLD	HOT	FILTERED	A.F.F.	DIRECT	INDIRECT	VENT	SIZE	BTUH		
6	1	DEEP FRYER	VULCAN	LG300									1/2"	90,000	
20	2	WALL MOUNTED HAND SINK W/ FAUCET	ADVANCE TABCO	7-PS-EC-SP	1/2"	1/2"		12"	1-1/2"		1-1/2"				
21	1	1-COMP SINK (16x20x14 BOWL) FAUCET	ADVANCE TABCO	FC-1-1620-18L K-101	1/2"	1/2"		12"			1-1/2"				SPILL DRAIN LINE INTO FLOOR SINK
25	1	3-COMP SINK (16x20x14 BOWLS) FAUCET/PRE-RISE (3) TWIST HANDLE OPERATED DRAIN	ADVANCE TABCO	FC-3-1620-18LR K-117 W/ DTA-53 K-5	1/2"	1/2"		12"			(3)1-1/2"				COMBINE DRAINS AND SPILL INTO FLOOR SINK
38	1	MOP SINK FAUCET	KROWNE	16-127	1/2"	1/2"		36"							BUILT-IN VACUUM BREAKER, 3/4" HOSE THREAD
53	1	REFRIGERATED COLD PANS	WELLS	RCP-200							1"				SPILL DRAIN LINE INTO FLOOR SINK
55	1	FOOD WARMER TABLE MOUNT	WELLS	MOD200TDM							1/2"				SPILL DRAIN LINE INTO FLOOR SINK
72	1	BEVERAGE DISPENSER	COKE	FREESTYLE			3/8"				YES				SPILL DRAIN LINE INTO FLOOR SINK. FIELD VERIFY DRAIN CONNECTION SIZE. DISPENSING SYSTEM COMES WITH ASSE 1022 BACKFLOW PREVENTION DEVICES.
73	1	ICE MAKER	SCOTSMAN	N04220-400LB			3/8"				3/4"				SPILL DRAIN LINE INTO FLOOR SINK
74	1	WATER FILTRATION SYSTEM	EVERPURE	EV9711-32	3/4"		3/4"	100"							
76	1	TEA BREWER	BUNN	ITCB-DV-DBC			3/8"								RUN FILTERED WATER LINE UP THRU HOLE IN COUNTERTOP

P.C. SHALL FIELD VERIFY PLUMBING CONNECTION REQUIREMENTS OF ALL KITCHEN EQUIPMENT WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO BEGINNING CONSTRUCTION AND INSTALL ACCORDINGLY.

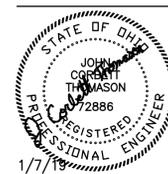
BACKFLOW PREVENTION SCHEDULE

EQUIPMENT	BACKFLOW PREVENTER
ICE MAKER (73)	WATTS MODEL: LF7R DUAL CHECK VALVE (ASSE 1024)
WATER FILTRATION SYSTEM (74)	WATTS MODEL: LF7R DUAL CHECK VALVE (ASSE 1024)
TEA BREWER (76)	WATTS MODEL: SD-2 DUAL CHECK VALVE (ASSE 1032)
CARBONATOR	WATTS MODEL: SD-3 DUAL CHECK VALVE W/ ATMOSPHERIC VENT (ASSE 1022)

NOTES:

- P.C. SHALL VERIFY BACKFLOW REQUIREMENT WITH LOCAL CODE OFFICIALS.
- P.C. SHALL INSTALL PER MANUFACTURERS RECOMMENDATIONS.
- P.C. SHALL USE PLASTIC TUBING APPROVED FOR POTABLE WATER DOWNSTREAM OF THE BACKFLOW PREVENTER FOR THE CARBONATOR.
- P.C. SHALL PIPE ATMOSPHERIC VENT FOR CARBONATOR BACKFLOW PREVENTER TO FLOOR SINK LOCATED BENEATH 1-COMP SINK AND DRAIN INDIRECTLY WITH APPROVED AIR GAP.

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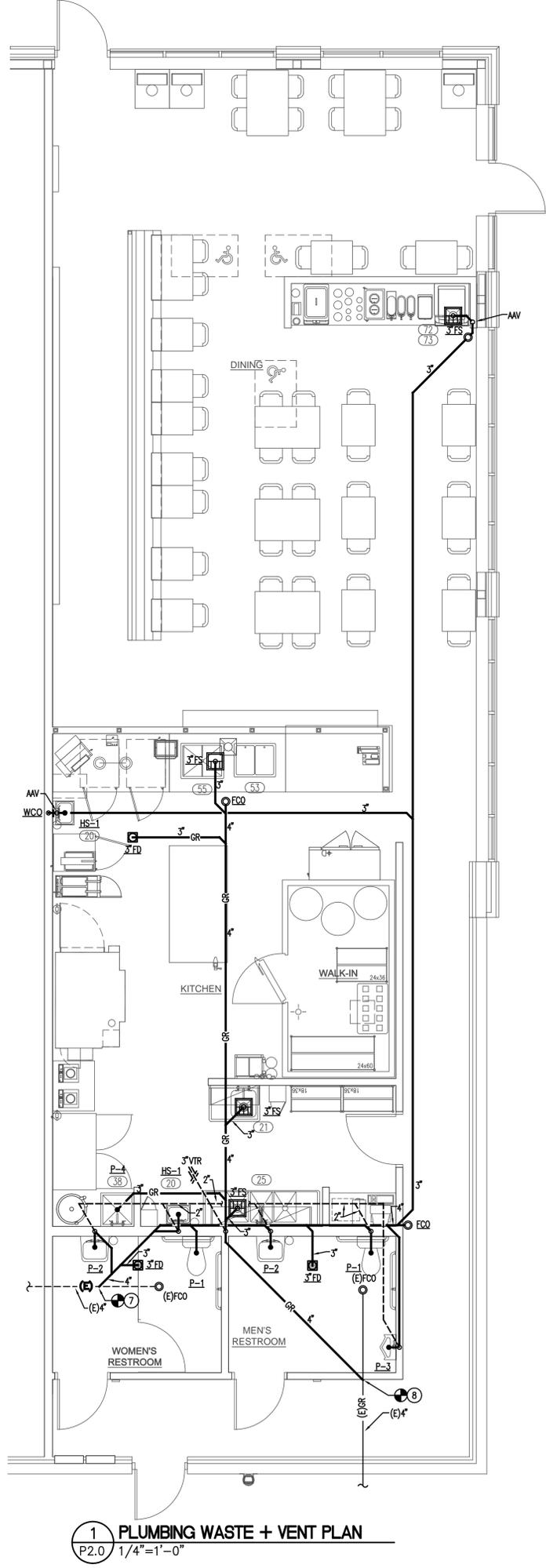
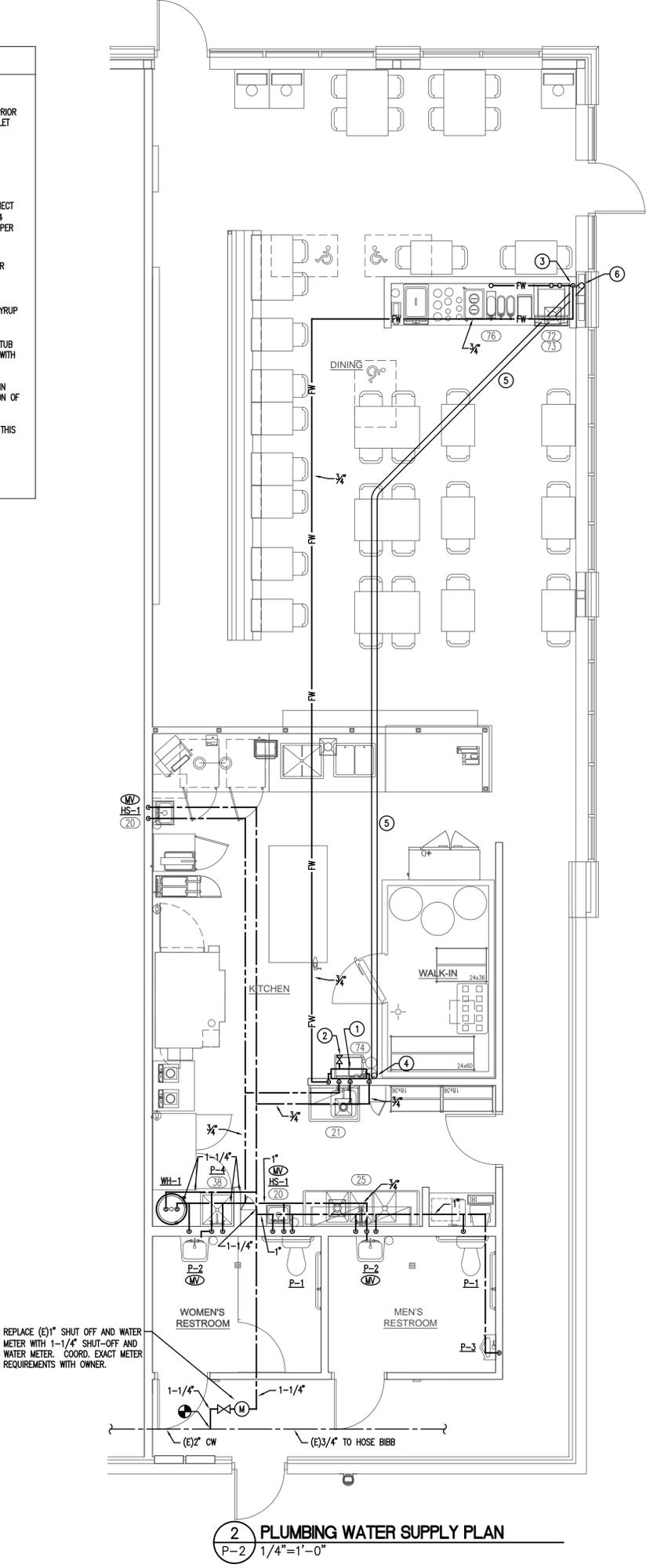
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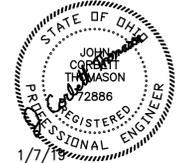
PLUMBING COVER SHEET

- KEYED NOTES**
- 1 WATER FILTRATION SYSTEM MOUNTED ABOVE BAG-IN-BOX AND CARBONATOR. FIELD COORDINATE LOCATION WITH SODA VENDOR PRIOR TO INSTALLATION. PROVIDE ISOLATION VALVES ON INLET AND OUTLET OF WATER FILTER.
 - 2 PROVIDE 1/2" STUB WITH SHUT-OFF VALVE, BACKFLOW PREVENTER AND 1/2" PIPE FITTING ON END FROM WATER FILTER "FOUNTAIN OUTLET" FOR CONNECTION TO CARBONATOR BY SODA VENDOR.
 - 3 3/4" FW DOWN IN WALL TO UNDER COUNTER AND BRANCH TO CONNECT TO COKE FREESTYLE, ICE MAKER AND TEA BREWER. PROVIDE 1/4" TURN SHUT-OFF VALVE AT EACH PIECE OF EQUIPMENT. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - 4 4" PVC CONDUIT WITH LONG SWEEP ELBOWS TO ABOVE CEILING FOR SYRUP LINES. FIELD COORDINATE LOCATION WITH SODA VENDOR PRIOR TO INSTALLATION.
 - 5 4" PVC CONDUIT WITH LONG SWEEP ELBOWS ABOVE CEILING FOR SYRUP LINES.
 - 6 4" PVC CONDUIT WITH LONG SWEEP ELBOWS DOWN IN WALL AND STUB OUT FOR SYRUP LINES. FIELD COORDINATE STUB-OUT LOCATION WITH SODA VENDOR PRIOR TO INSTALLATION.
 - 7 EXTEND NEW SAN PIPING AND CONNECT TO EXISTING SAN PIPING IN THIS AREA. VERIFY EXACT LOCATION, SIZE, INVERT, AND DIRECTION OF FLOW OF EXISTING PIPING IN FIELD.
 - 8 EXTEND NEW GR PIPING AND CONNECT TO EXISTING GR PIPING IN THIS AREA. VERIFY EXACT LOCATION, SIZE, INVERT, AND DIRECTION OF FLOW OF EXISTING PIPING IN FIELD.



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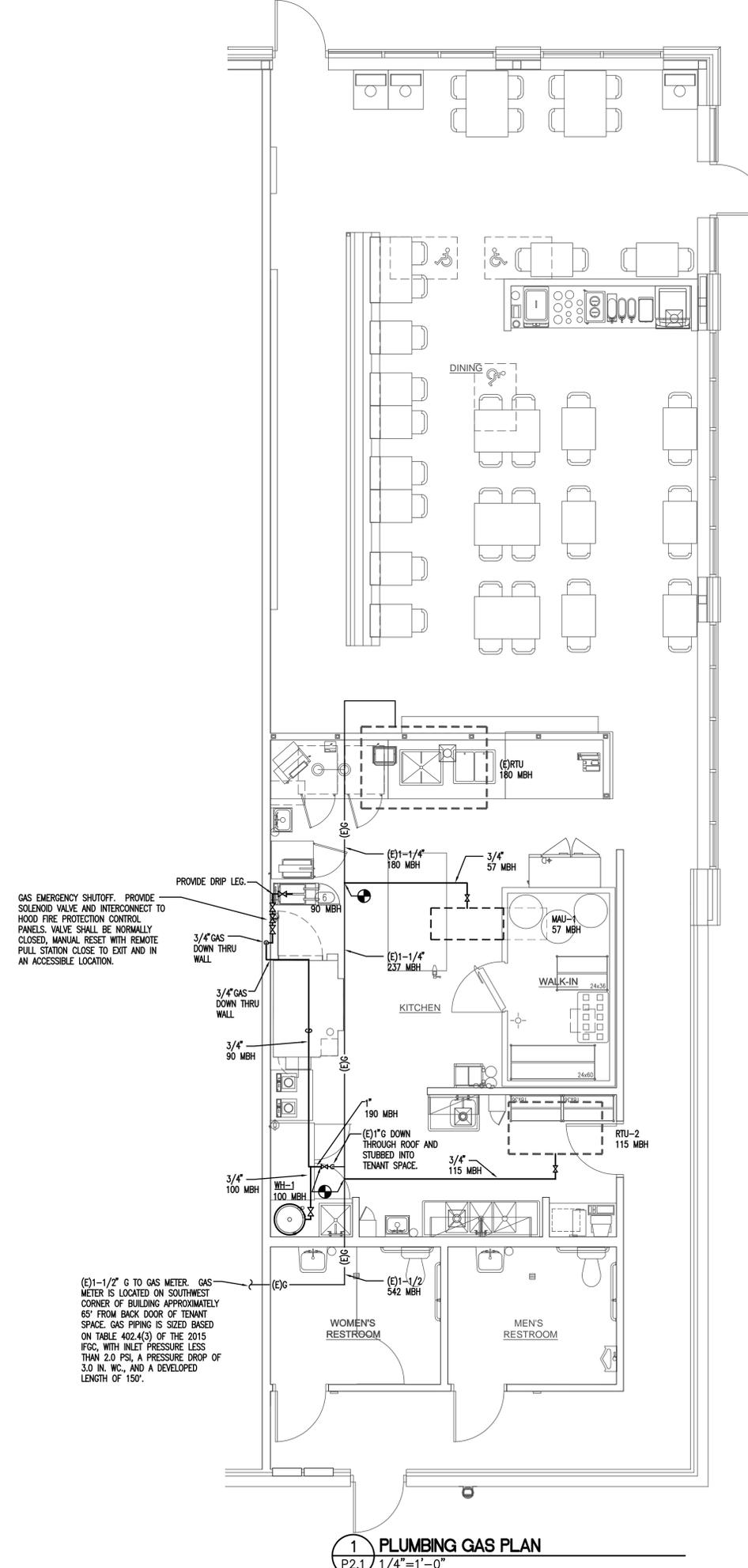


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PLUMBING PLANS

P2.0

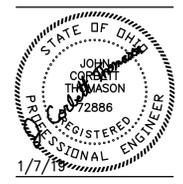


GAS EMERGENCY SHUTOFF. PROVIDE SOLENOID VALVE AND INTERCONNECT TO HOOD FIRE PROTECTION CONTROL PANELS. VALVE SHALL BE NORMALLY CLOSED, MANUAL RESET WITH REMOTE PULL STATION CLOSE TO EXIT AND IN AN ACCESSIBLE LOCATION.

(E)1-1/2" G TO GAS METER. GAS METER IS LOCATED ON SOUTHWEST CORNER OF BUILDING APPROXIMATELY 65' FROM BACK DOOR OF TENANT SPACE. GAS PIPING IS SIZED BASED ON TABLE 402.4(3) OF THE 2015 IFGC, WITH INLET PRESSURE LESS THAN 2.0 PSI, A PRESSURE DROP OF 3.0 IN. WC., AND A DEVELOPED LENGTH OF 150'.

1 PLUMBING GAS PLAN
P2.1 1/4"=1'-0"

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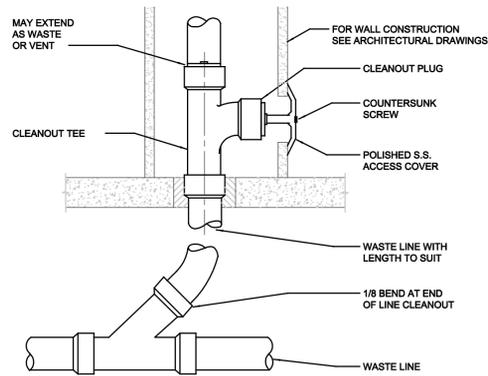


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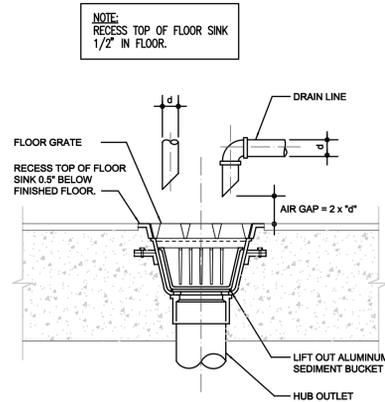
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**PLUMBING
GAS PLAN**

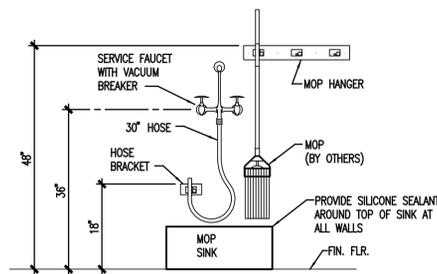
P2.1



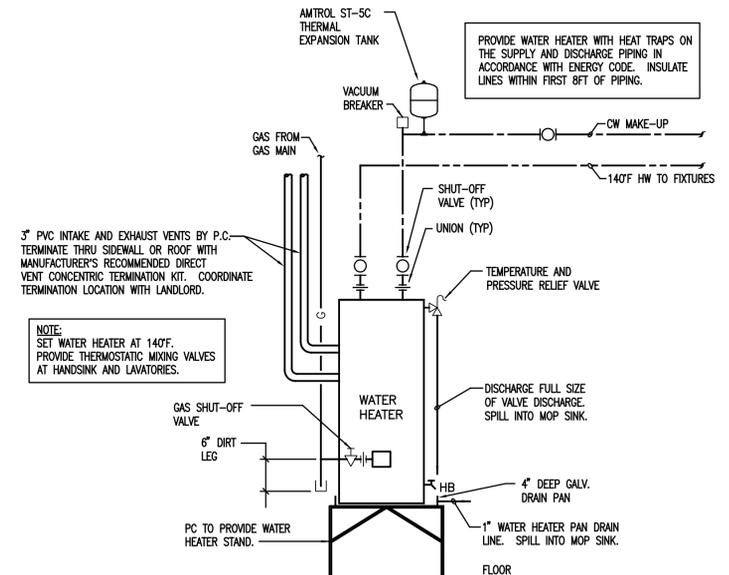
4 WALL CLEANOUT DETAIL
P3.0 SCALE: NONE



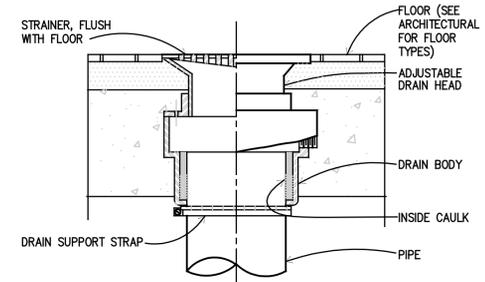
3 FLOOR SINK DETAIL
P3.0 SCALE: NONE



2 MOP SINK DETAIL
P3.0 SCALE: NONE



1 WATER HEATER DETAIL
P3.0 SCALE: NONE



5 FLOOR DRAIN DETAIL
P3.0 SCALE: NONE

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PLUMBING SCHEDULES

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DICKEY'S BARBECUE PIT

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ATTENTION GENERAL CONTRACTOR: "RE-ENGINEERING" DEVIATIONS FROM THE SHOWN DESIGN AND REQUIRED HVAC EQUIPMENT MUST BE APPROVED IN ADVANCE BY THE ARCHITECT AND PROFESSIONAL ENGINEER. UNAUTHORIZED SUBSTITUTIONS OR ALTERATIONS WILL VOID THE SIGNATURE AND SEAL OF THE PROFESSIONAL ENGINEER AND LEAVE VIOLATORS RESPONSIBLE FOR RESUBMISSION OF SIGNED AND SEALED DRAWINGS.

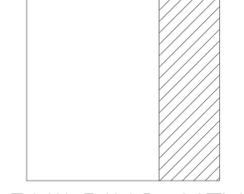
CONTRACTORS NOTES

- HVAC CONTRACTOR
- THE HVAC CONTRACTOR IS TO FURNISH AND INSTALL THE HOODS, FANS, DUCTWORK, NEW RTU, INSULATION WRAP, DIFFUSERS, SMOKE DETECTORS, AND TEMPERATURE CONTROLS. RTU-1 IS E.T.R.
 - THE HVAC CONTRACTOR IS TO VERIFY LOCATIONS FOR THE HOODS AND HOOD FANS ON SITE FROM MOST-RECENT KITCHEN EQUIPMENT PLANS. ALL FANS ARE TO BE UL LISTED. **SEE KEYED NOTE #1, THIS SHEET.**
 - ALL NEW HVAC EQUIPMENT CURBS ARE TO BE SUPPLIED BY THE HVAC CONTRACTOR.
 - ALL NEW CURBS ARE TO BE FABRICATED FROM 18 GA. GALVANIZED METAL WITH FULLY WELDED SEAMS, WATER TIGHT AND INTERNALLY INSULATED. FACTORY CURB CONVERSION SHALL NOT BE ACCEPTED.
 - SHIMS ARE TO BE PROVIDED BY HVAC CONTRACTOR BETWEEN THE ROOF DECK AND THE NEW CURBS TO COMPENSATE FOR ROOF PITCH.
 - ALL FLEX DUCT IS TO BE U.L. LISTED, R-6, FOIL-BACKED, CLASSIFIED AS A CLASS 1 AIR DUCT. MAXIMUM LENGTH PER LOCAL CODE.
 - ALL METAL DUCT AND AIR DISTRIBUTION DEVICES ARE TO BE INSULATED WITH R-6, 2" X .75 DENSITY FOIL-BACKED INSULATION, WITH FIRE AND SMOKE RATING [25]-[50].
 - ALL DUCTWORK IS TO BE INDEPENDENTLY HUNG FROM STRUCTURAL MEMBERS.
 - ALL DUCTWORK IS TO BE FABRICATED, INSTALLED, SEALED, AND EXTERNALLY INSULATED PER SMACNA LOW-VELOCITY DUCT MANUAL (LATEST ISSUE). **INTERNALLY LINED DUCTWORK IS NOT ALLOWED.**
 - UNLESS OTHERWISE NOTED, ALL SUPPLY TAKEOFFS ARE TO HAVE A MANUAL VOLUME CONTROL DAMPER.
 - THE HVAC CONTRACTOR IS TO COORDINATE DIFFUSER LOCATIONS ON SITE WITH THE MOST RECENT REFLECTED CEILING PLAN.
 - THE HVAC CONTRACTOR IS TO FURNISH A WRITTEN GUARANTEE COVERING A ONE-YEAR PERIOD FOR ALL HVAC EQUIPMENT AND PROVIDE AN ADDITIONAL FOUR-YEAR PERIOD FOR THE COMPRESSORS IN THE RTUS. ALL FANS TO BE U.L. LISTED.
 - UPON COMPLETION OF PROJECT THE HVAC CONTRACTOR IS TO HIRE AN A.A.B.C. OR N.E.B.B. CERTIFIED, INDEPENDENT TEST AND BALANCE COMPANY TO CONDUCT A COMPLETE, CERTIFIED TEST AND BALANCE OF ALL HVAC EQUIPMENT. PROVIDE A WRITTEN REPORT TO NCA CONSULTANTS. ALL CAPACITIES MUST BE SET TO AMOUNTS INDICATED ON THE FLOOR PLANS AND SCHEDULES.**
 - THE HVAC CONTRACTOR IS TO MAKE ALL LOW-VOLTAGE WIRING FINAL CONNECTIONS FOR ALL HVAC EQUIPMENT INCLUDING TEMPERATURE CONTROLS, RTUS, AND SMOKE DETECTORS.

- GENERAL CONTRACTOR
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO RECEIVE, OFFLOAD, AND STORE ALL HVAC MATERIALS WHICH ARRIVE AT THE JOB SITE. ALL MATERIAL MUST BE STORED INSIDE THE BUILDING. HOODS MUST BE STORED IN THE KITCHEN.
 - IT IS VERY IMPORTANT THAT ACCURATE MEASUREMENTS ARE USED WHEN LOCATING EXHAUST FAN ROOF OPENING. COORDINATE ROOF OPENINGS WITH THE KITCHEN EQUIPMENT PLAN AND EXHAUST HOOD PLANS. OBTAIN THE CORRECT PLANS FROM THE KITCHEN EQUIPMENT SUPPLIER.
 - RTU ROOF OPENING SIZES AND ROOF CURBS ARE BASED ON EQUIPMENT SHOWN. IF OTHER EQUIPMENT IS USED, VERIFY ROOF OPENING REQUIREMENTS. MAKE PENETRATION AS NEEDED FOR INSTALLATION OF NEW CURB AND RTU. COORDINATE ON SITE WITH HVAC CONTRACTOR. ENSURE THAT ROOFING MATERIAL DOES NOT COVER THE TOP OF ANY HVAC EQUIPMENT CURB.
 - ALL ROOF, CEILING, WALL, AND STRUCTURAL FRAMING REQUIRED FOR UNIT, FAN, DUCT, DIFFUSER, AND ALL OTHER HVAC WORK IS TO BE BY THE G.C. COORDINATE ON SITE WITH HVAC CONTRACTOR. GENERAL CONTRACTOR IS TO PROVIDE ANY SCREENING, GUARD RAILS, ETC. FOR ROOF-MOUNTED HVAC EQUIPMENT PER IBC AND LOCAL CODES. **ANY REQUIRED PAINTING OF HVAC WORK IS TO BE BY THE GENERAL CONTRACTOR.**
 - IF NECESSARY THE GENERAL CONTRACTOR IS TO REMOVE, REPLACE, AND/OR REPAIR CEILING GRID AND TILES IN ORDER FOR THE HVAC WORK TO BE PERFORMED.

- ELECTRICAL CONTRACTOR
- THE ELECTRICAL CONTRACTOR IS TO PROVIDE INTERLOCKING BETWEEN THE FRYERS, HOOD FANS, AND RTUS BLOWERS PER NFPA96 AND LOCAL CODES.
 - THE ELECTRICAL CONTRACTOR IS TO INSTALL LOW-VOLTAGE CONTROL WIRING FOR ALL AIR CONDITIONING CONTROLS.
 - THE ELECTRICAL CONTRACTOR IS TO FURNISH AND INSTALL DISCONNECTS FOR THE RTUS AND FANS, AND WIRE THE RESTROOM EXHAUST FAN TO RUN CONTINUOUSLY WHILE THE DINING ROOM LIGHTS ARE ON.
 - THE ELECTRICAL CONTRACTOR IS TO USE A MINIMUM OF 4"-6" SEALTITE FLEXIBLE CONDUIT WHEN WIRING KITCHEN HOOD EXHAUST FANS ON ROOF SO THAT FANS MAY BE REMOVED FROM CURBS AND PLACED ON ROOF FOR CLEANING EXHAUST DUCTWORK.
 - FOR EACH UNIT, THE ELECTRICAL CONTRACTOR IS TO PROVIDE ONE SINGLE-GANG RECEPTACLE FOR THE T-STAT, AND ONE DOUBLE-GANG RECEPTACLE FOR TEST STATION AND ANNUNCIATOR, WITH GREEN AND RED LIGHT INDICATORS. THE FIRE AND MECHANICAL INSPECTORS WILL DETERMINE SUITABLE LOCATION FOR TEST STATIONS. ANNUNCIATORS AND TEST STATION WILL BE LOOPED IN THE CIRCUITRY OF THE SMOKE DETECTION DEVICES. WIRING WILL BE INSTALLED BY ELECTRICAL CONTRACTOR. **PROVIDE ADDITIONAL RECEPTACLE FOR RTU-2 HUMIDISTAT.**

- PLUMBING CONTRACTOR
- THE PLUMBING CONTRACTOR IS TO PROVIDE AND INSTALL CONDENSATE DRAINS/GAS PIPING FOR ALL HVAC EQUIPMENT, AND PITCH POCKETS FOR RTU CONNECTIONS. DO NOT PENETRATE BOTTOM OF RTU CURB.
 - THE PLUMBING CONTRACTOR IS TO COORDINATE PLUMBING VENT STACKS AND WATER HEATER FLUES WITH OUTSIDE AIR INTAKES OF A/C UNITS. 10"-0" MINIMUM CLEARANCE REQUIRED OR PER LOCAL CODE.
 - THE PLUMBING CONTRACTOR IS TO PROVIDE AND INSTALL FLUE GAS EXHAUST VENT FOR WATER HEATER. MAINTAIN 10"-0" MINIMUM CLEARANCE TO AIR INTAKES, OR PER LOCAL CODE. COORDINATE ON SITE WITH G.C. AND HVAC CONTRACTOR.



BUILDING KEY
 SCALE 1/4" = 1' - 0"

UPON COMMENCEMENT OF ROUGH-IN AS SCHEDULED BY NCA CONSULTANTS, THE AIR CONDITIONING CONTRACTOR IS TO REMAIN ON THE JOB SITE FULL TIME UNTIL THE ROUGH-IN IS 100% COMPLETE. THE GENERAL CONTRACTOR'S SITE SUPERINTENDENT WILL VERIFY.
UPON COMMENCEMENT OF TRIM-OUT AS SCHEDULED BY NCA CONSULTANTS, THE AIR CONDITIONING CONTRACTOR IS TO REMAIN ON THE JOB SITE FULL TIME UNTIL THE TRIM-OUT IS 100% COMPLETE. THE GENERAL CONTRACTOR'S SITE SUPERINTENDENT WILL VERIFY.

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KEYED NOTES

- PROVIDE TYPE-1 GREASE HOOD OVER APPLIANCES. PROVIDE 16 GAUGE BLACK IRON SHEETMETAL DUCT, WELDED LIQUID-TIGHT, FROM CONNECTION ON HOOD TO EXHAUST FAN ON ROOF. ALL WORK IS TO CONFORM WITH NFPA96 AND LOCAL CODES, INCLUDING THE PROVISION OF FIRE WRAP AND ACCESS DOORS. VERIFY AND ROUTING PRIOR TO FABRICATION OR INSTALLATION. OFFSET AND TRANSITION AT CONNECTIONS AS NEEDED. REFER TO HOOD DETAIL SHEETS. THIS SET. CONFIRM LOCATION ON SITE WITH MOST RECENT KITCHEN EQUIPMENT PLANS. **NOTE: FACTORY-MANUFACTURED, DOUBLE-WALLED, UL LISTED ROUND DUCT IS AN ACCEPTABLE ALTERNATIVE. IF USED REFER TO INSTRUCTIONS THAT SHIP WITH THE DUCTWORK.**
- PROVIDE THERMOSTAT AT 66° A.F.F. IN A WALL NEAR LOCATION SHOWN. SEAL WALL OPENINGS WITH CAULK. AUDIO-VISUAL ANNUNCIATOR TIED INTO SMOKE DETECTOR. COORDINATE LOCATIONS ON SITE WITH G.C. AND EQUIPMENT. AVOID SOURCES OF HEAT. INSULATE BACKS OF STATS. **RTU-2 ONLY: HUMIDISTAT SET TO 55% RELATIVE HUMIDITY.**
- TYPE "B" FLUE THROUGH ROOF WITH CONE FLASHING, RAIN SHIELD, AND WEATHER-PROOF CAP PROVIDED BY PLUMBING CONTRACTOR. DISCHARGE SHALL BE MINIMUM 10 FEET FROM AIR INTAKES. OFFSET AND TRANSITION AT CONNECTIONS AS NEEDED. USE FACTORY-MANUFACTURED PIPE AND FITTINGS ONLY. **REFER TO MANUFACTURERS INSTRUCTIONS THAT SHIP WITH THE SMOKER.**
- RUN 10X10 EXHAUST DUCT TO EXHAUST FAN ON ROOF AS SHOWN. OFFSET AND TRANSITION AS NEEDED.
- TYPE "B" FLUE THROUGH ROOF WITH CONE FLASHING, RAIN SHIELD, AND WEATHER-PROOF CAP PROVIDED BY HVAC CONTRACTOR. DISCHARGE SHALL BE MINIMUM 10 FEET FROM AIR INTAKES. OFFSET AND TRANSITION AT CONNECTIONS AS NEEDED. USE FACTORY-MANUFACTURED PIPE AND FITTINGS ONLY. **REFER TO MANUFACTURERS INSTRUCTIONS THAT SHIP WITH THE SMOKER.**
- SHIM CURBS ON ROOF IN ORDER TO MAKE TOP OF CURBS LEVEL. SEE DETAIL ON SHEET M-2. CONFIRM STRUCTURAL FRAMING ON SITE PRIOR TO LAYING OUT ROOF PENETRATIONS.
- SHEETMETAL TRUNKLINE FABRICATED, INSTALLED, SEALED, AND EXTERNALLY INSULATED PER SMACNA AND LOCAL CODES. VERIFY ROUTING ON SITE PRIOR TO FABRICATION. OFFSET AND TRANSITION AT CONNECTIONS AS NEEDED.
- PROVIDE MAKEUP AIR FAN WITH DUCTWORK TIED INTO HOOD COLLARS AS SHOWN. VERIFY AND ROUTING PRIOR TO FABRICATION OR INSTALLATION. OFFSET AND TRANSITION AT CONNECTIONS AS NEEDED. REFER TO HOOD DETAIL SHEETS. THIS SET. CONFIRM LOCATION ON SITE WITH MOST RECENT KITCHEN EQUIPMENT PLANS. SET BOTH 10" FLEXIBLE DUCT DROPS TO 350 CFM EACH.
- ENSURE NO LESS THAN 10' OF HORIZONTAL SEPARATION BETWEEN EXHAUST FAN DISCHARGES AND OUTSIDE AIR INTAKES OF RTUS AND MAUS.
- HOOD UTILITY CABINET HOUSES HOOD CONTROLS AND FIRE SUPPRESSION TANKS.
- RTU IS E.T.R. VERIFY LOCATIONS ON SITE.

AIR DEVICE SCHEDULE							
SYM.	SIZE	TYPE	DUCT SIZE	MODEL#	FINISH	BOOT SIZE	OPENING SIZE
A*	24X24	SUPPLY 4 WAY	12"	NCA12	WHITE	12"	T-BAR
B**	24X24	SUPPLY PERF.	12"	APDS-1424	WHITE	12"	T-BAR
C***	12X12	SUPPLY 1 WAY	8"	630	WHITE	12X12	SIZE + 1/4"
D***	12X12	SUPPLY 1 WAY	6"	630	WHITE	12X12	SIZE + 1/4"
E	24X24	RETURN	18"	630TB	WHITE	22X22	T-BAR
F	12X12	EXHAUST	8"	630	WHITE	12X12	SIZE + 1/4"
G***	16X6	SUPPLY SIDEWALL	6"	P620DF-1606	WHITE	12X12	SIZE + 1/4"

* ALL DIFFUSERS SHALL BE MANUFACTURED BY METALARE OR EQUIVALENT AND 100% ALUMINUM CONSTRUCTION
 ** PROVIDE WITH FIVE (5) SLIDING-BLADE DAMPER
 *** PROVIDE WITH FOUR 1 1/4"-TO-1 1/2" REDUCERS FOR TOPS OF DIFFUSERS
 **** PROVIDE WITH OPPOSED-BLADE DAMPER

FAN SCHEDULE				
UNIT NUMBER	EF-1	EF-2	EF-3	MAU-1
AREA SERVED	FRYERS	BURNERS	RESTROOMS	FRYERS
MANUFACTURER	CAPTIVE AIR	CAPTIVE AIR	CAPTIVE AIR	CAPTIVE AIR
MODEL	DUBSHFA	DUB2HFA	DR10HFA	D76-D7G
CFM	1200	450	225	700
STATIC PRESSURE, "WG	0.75	0.5	0.25	0.50
FAN HORSEPOWER	0.75	0.33	0.06	1.0
DRIVE	DIRECT	DIRECT	DIRECT	DIRECT
RPM	1042	1098	1210	1489
ELECTRICAL V/ø/HZ	120/1/60	120/1/60	120/1/60	120/1/60
NCA CURB L X W X H	23X23X26	19.5X19.5X26	17.5X17.5X14	19.5X52X20
ACCESSORIES	B,D,E,F,K,L,M	B,D,E,F,K,L,M	A,B,D,E,G,L,M	A,B,C,D,E,F,K,L,M,N

NOTES/ACCESSORIES
 A. ALUMINIZED BIRDSCREEN
 B. SAFETY DISCONNECT SWITCH
 C. GRAVITY BACKDRAFT DAMPER
 D. AMCA SEAL & U.L. CERTIFIED
 E. SPEED CONTROL
 F. INTERLOCK PER NFPA96 & LOCAL CODES N. 57 MBTU FURNACE HEAT SECTION
 G. INTERLOCK WITH SALES FLOOR LIGHTS
 H. 12" HIGH PREFABRICATED ROOF CURB
 J. CONTROLLED BY TEMP. PROBES IN HOODS
 K. REFER TO KITCHEN BALANCE SCHEDULE
 L. ENSURE MIN. 10" EXHAUST-INTAKE CLEARANCE
 M. COORDINATE FINAL SELECTION WITH MANUFACTURER
 N. 157 MBTU FURNACE HEAT SECTION

AIR BALANCE SCHEDULE						
TAG	SUPPLY AIR	OUTSIDE AIR	RETURN AIR	EXHAUST AIR	BLDG. PRESSURE	% OUTSIDE AIR
RTU-1*	4000 CFM	1000 CFM	3000 CFM	----	+ 1500 CFM	25
RTU-2	2000 CFM	400 CFM	1600 CFM	----	+ 1600 CFM	20
EF-1	----	----	----	1200 CFM	- 1200 CFM	----
EF-2	----	----	----	450 CFM	- 450 CFM	----
EF-3	----	----	----	225 CFM	- 225 CFM	----
MAU-1	----	700 CFM	----	----	+ 700 CFM	----
TOTAL	6000 CFM	2100 CFM	4600 CFM	1875 CFM	+ 225 CFM	23

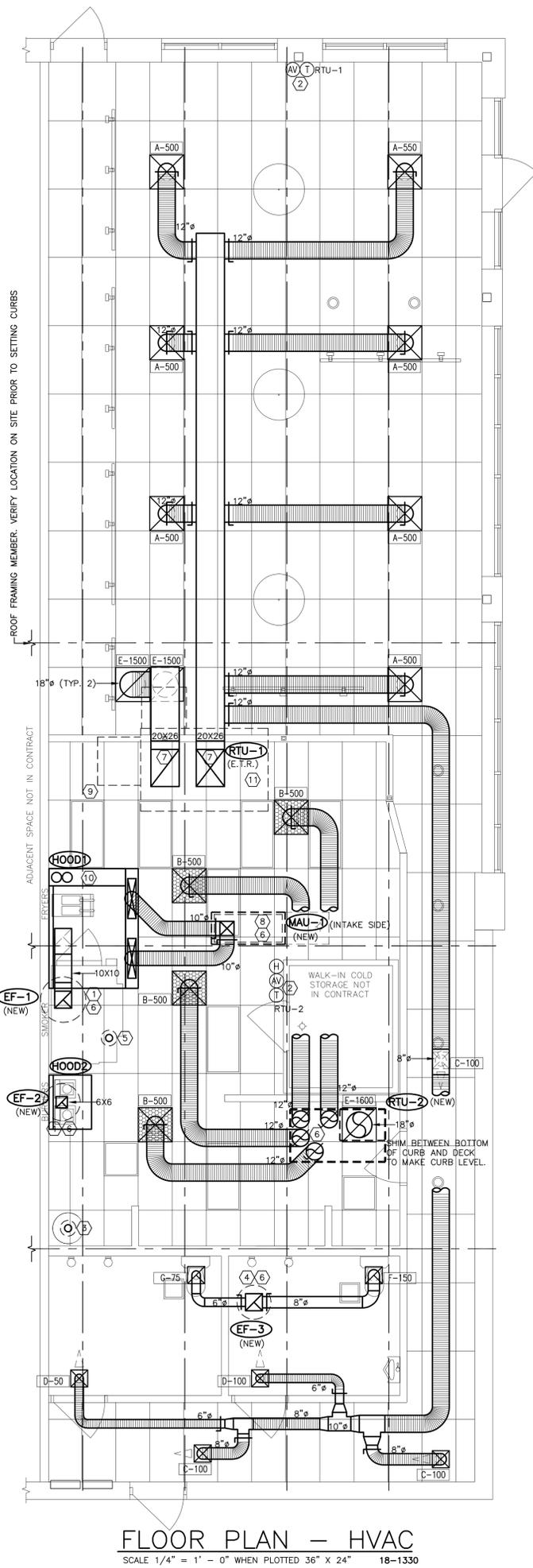
* PROVIDE DURING SHELL SPACE CONSTRUCTION. SET CAPACITIES AS SHOWN

PACKAGE ROOFTOP UNIT SCHEDULE (RTU-1,2)		
TAG	RTU-1	RTU-2
MANUFACTURER	YORK	CARRIER
MODEL	J10ZJN18 (10 TON)	48HCEA06 (5 TON)
LOCATION, CURB DIMENSIONS	RTU IS EXISTING FROM SHELL SPACE	ROOF, 67" X 37"
TYPE OF HEAT	NATURAL GAS	NATURAL GAS
TOTAL COOLING CAPACITY, MBTU/HR	120,000	61,9
SENSIBLE COOLING CAPACITY, MBTU/HR	80,000	47,7
ENTERING AIR CONDITIONS, DBT/WBT	80/67	80/67
AMBIENT AIR DB TEMPERATURE, °F	95	95
SUPPLY AIR, CFM	2000	2000
OUTSIDE AIR, CFM	SEE SCHEDULE	SEE SCHEDULE
EXTERNAL STATIC PRESSURE, "WG	0.75	0.75
BHP - MEDIUM STATIC MOTOR	2.24	2.24
E.E.R.	15.2 (S.E.E.R.)	15.2 (S.E.E.R.)
GAS INPUT MBTU/HR	82/115	82/115
GAS OUTPUT MBTU/HR	66/93	66/93
UNIT WEIGHT, LBS.	750	750
ELECTRICAL REQUIREMENT, V/PHASE/HZ	208-230/3/60	208-230/3/60
MINIMUM CIRCUIT AMPERAGE	28.5	28.5
MAXIMUM OVER CURRENT PROTECTION	40	40
ACCESSORIES - RTU-2 ONLY*		

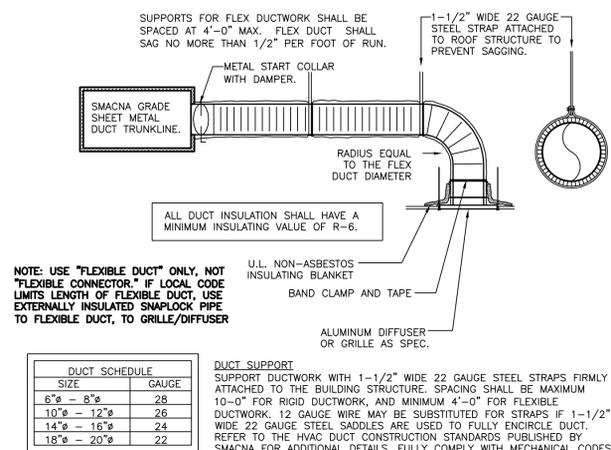
1. 100% ECONOMISER WITH BAROMETRIC RELIEF
 2. NCA PLENUMIZED CURB. TO ORDER CALL TOLL-FREE (877) 530-0078.
 3. ONE YEAR COMPLETE PARTS AND LABOR WARRANTY
 4. ADDITIONAL FOUR YEAR PARTS WARRANTY COVERING COMPRESSORS
 5. SMOKE DETECTOR (SEE HVAC ROOF PLAN, SHEET M-2) * PROVIDE FOR RTU-1 ALSO
 6. AQUAGUARD AG-3180E MOISTURE SENSOR FOR PRIMARY PAN * PROVIDE FOR RTU-1 ALSO
 7. RTU-2 ONLY: HUMIDISTAT HOT GAS RE-HEAT COIL WITH HUMIDISTAT SET TO 55% R.H.
 NOTE: COORDINATE RTU PLACEMENT ON SITE PRIOR TO SETTING EQUIPMENT. IF ADJUSTMENT IS NECESSARY MAINTAIN FRESH AIR INTAKE CLEARANCES, INCLUDING EQUIPMENT ON ADJACENT SPACE.

PLENUMIZED CURB INSTALLATION NOTES

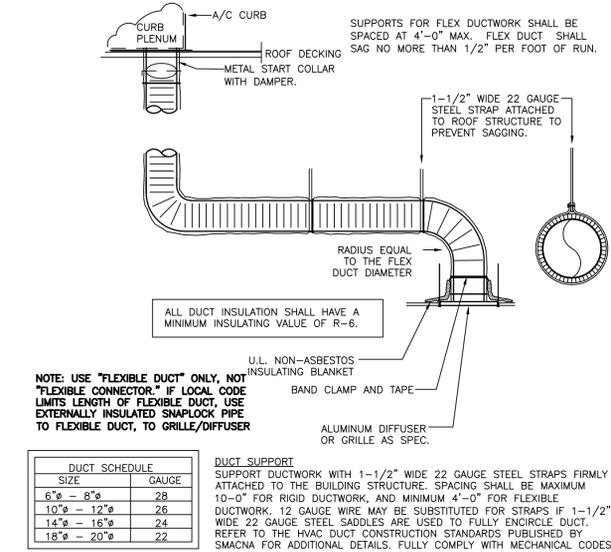
- CAREFULLY LOCATE AND MARK ROOF CURB LOCATIONS SO THAT DUCT WORK CAN BE INSTALLED IN THE APPROXIMATE LOCATIONS AS SHOWN BY THE FLOOR PLAN. PAY ATTENTION TO THE LOCATION OF THE ROOF STRUCTURE IN ORDER TO ACCOMMODATE THE DUCT DROPS.
- MARK THE EXACT LOCATION OF EACH ROOF CURB. LAY OUT ALL EQUIPMENT LOCATIONS IN ORDER TO MAINTAIN PROPER CLEARANCES FROM EXHAUST FANS AND VENTS AS WELL AS PROVIDING FOR PROPER SERVICE CLEARANCES.
- GENERAL CONTRACTOR SHALL CUT ROOF DECKING MATERIAL TAKING CARE TO AVOID CUTTING ANY STRUCTURAL COMPONENTS. GENERAL CONTRACTOR SHALL ALSO INSTALL ANY NECESSARY FRAMING OR BLOCKING AT OPENINGS.
- WITH ROOF CURB UPSIDE DOWN (SOLID METAL BOTTOM UP) MEASURE AND MARK THE LOCATION OF ANY JOISTS OR OTHER FRAMING MEMBERS THAT MUST BE AVOIDED. MEASURE AND MARK THE LOCATION OF ALL THE DUCT TAPS.
- CUT ALL DUCT TAPS INTO THE BOTTOM PANEL OF THE ROOF CURB. BE CAREFUL NOT TO DAMAGE THE ROOFING SURFACE WHILE MAKING THESE CUTS.
- INSTALL DUCT TAP FITTINGS AND MANUAL DAMPERS INTO THE OPENINGS PREVIOUSLY CUT. SEAL ALL CONNECTIONS ON BOTH THE BOTTOM AND THE TOP SIDES OF THE TAPS.
- FLATTEN TAB OF START COLLAR INSIDE CURB, TIGHT AGAINST INSULATION. SEAL INSIDE OF COLLAR AND TABS TO INSULATION USING MASTIC DUCT SEALER. ALLOW SEALER TO DRY PRIOR TO PROCEEDING.
- APPLY DUCT SEALER TO OPEN END OF COLLAR, SEAL INNER CORE OF FLEXIBLE DUCT ONTO COLLAR, AND CONNECT PANDUIT STRAP PER MANUFACTURERS INSTRUCTIONS.
- SLIDE OUTER INSULATION SLEEVE OF FLEX TIGHT TO BOTTOM OF CURB. SEAL INSULATION TO BOTTOM OF CURB WITH PRESSURE-SENSITIVE FOIL TAPE. DO NOT USE TAPE MEANT FOR RIGID DUCTBOARD. SQUEEGEE OUT ALL AIR BUBBLES FOR PROPER ADHESION.
- TURN CURB RIGHT SIDE UP. LEVEL CURB BETWEEN BOTTOM OF CURB AND DECK, INSTALL IN ROOF OPENING. SECURE CURB TO ROOF FRAMING AS REQUIRED.
- GENERAL CONTRACTOR OR ROOFING CONTRACTOR SHALL FLASH AND ROOF IN THE CURB AS DETAILED ON THE DRAWINGS.
- INSIDE BUILDING, THE DUCT RUNS SHALL BE INSTALLED FROM THE TAPS TO THE DIFFUSER LOCATIONS AS SHOWN ON THE PLANS. SUPPORT PER SMACNA AND LOCAL CODES.
- NOTE: IF NECESSARY, FLEX DROPS MAY BE CONNECTED TO TAPS AFTER CURB HAS BEEN INSTALLED. REFER TO STEPS #8 AND #9.



FLOOR PLAN - HVAC
 SCALE 1/4" = 1' - 0" WHEN PLOTTED 36" X 24" 18-1330



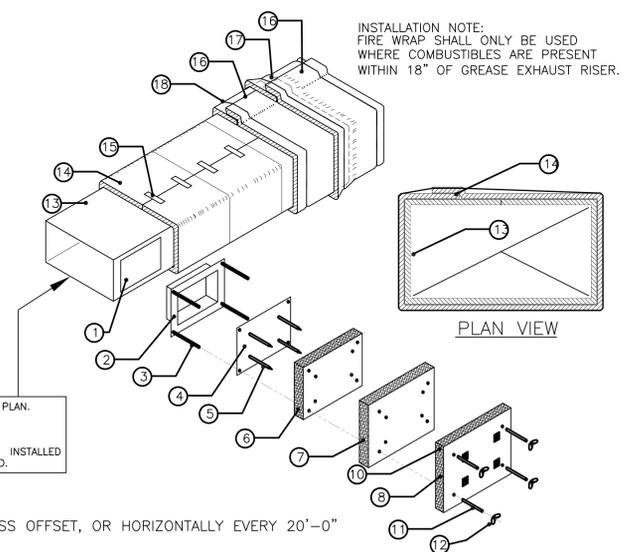
RTU1 RIGID/FLEXDUCT CONNECTION/INSTALL DETAIL
NOT TO SCALE



RTU2 RIGID/FLEXDUCT CONNECTION/INSTALL DETAIL
NOT TO SCALE

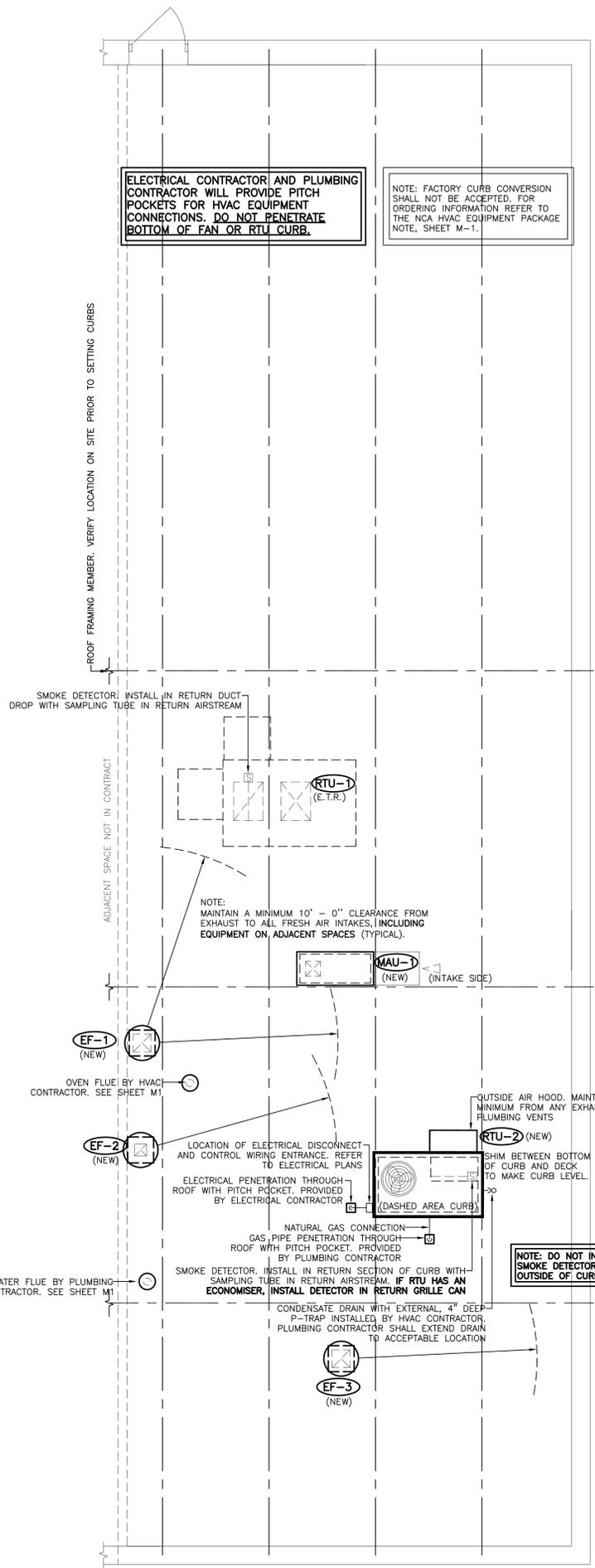
- NOTES:
- BANDING MATERIAL, 3/4" WIDE, MINIMUM 0.015" THICK, CARBON STEEL FOR CONSTRUCTION REQUIREMENTS OF ZERO CLEARANCE TO COMBUSTIBLES OR 1 HR. RATINGS. STAINLESS STEEL BANDING IS USED FOR 2 HR. REQUIREMENTS.
 - 3M FIRE BARRIER DUCT WRAP 615+, 1-1/2" THICK, 24" OR 48" WIDE, 300" STANDARD LENGTH (2 LAYERS) 6 LBS PER CUBIC FT TO BE UTILIZED.
 - HOLD INTERIOR WRAP OF INSULATION USING 1" WIDE FILAMENT TAPE (NO. 898) MANUFACTURED BY 3M COMPANY.
 - SEAL CUT EDGES OF BLANKET WITH ALUMINUM FOIL TAPE.

LEGEND	
1	DOOR HOLE
2	ACCESS FRAME WELDED TO DUCT
3	1/4" DIA. ALL THREAD RODS
4	ACCESS COVER, 16 GA.
5	INSULATION PINS, WELDED
6	1 3M FIRE BARRIER 615 PLUS
7	1 3M FIRE BARRIER 615 PLUS 1" OVERLAP
8	1 3M FIRE BARRIER 615 PLUS 1" OVERLAP
9	SPEED CLIPS
10	ALUMINUM TAPE EDGES
11	SPOOL PIECES FOR THREADED RODS
12	1/4" DIA. WING NUTS
13	16 GA. SHEET METAL DUCT (FULLY WELDED WATER TIGHT)
14	1ST LAYER 3M FIRE BARRIER DUCT WRAP 615 PLUS LONGITUDINAL JOINT BUTT OR MIN. 3" OVERLAP ON INNER LAYER, MIN. 3" OVERLAP ON OUTER LAYER
15	3/4" (19mm) WIDE FILAMENT TAPE
16	2ND LAYER 3M FIRE BARRIER DUCT WRAP 615 PLUS OR APPROVED EQUIVALENT
17	3" MINIMUM PERIMETER OVERLAP - TYP.
18	STEEL BANDING 1/2" WIDE MIN. TYP. FOR PERMANENT FASTENING



FULLY WELDED GREASE RATED EXHAUST DUCT. SEE SIZE ON PLAN. RISER SHALL BE LIGHT INSPECTED LAYING ON FLOOR. FULLY PREPARE FOR SCHEDULED INSPECTION. HVAC CONTRACTOR SHALL VERIFY TEST PRIOR TO SCHEDULE. THE USE OF U.L. LISTED PREFABRICATED DUCT BY CAPTIVE AIR INSTALLED CORRECTLY MAY BE EXEMPT FROM LIGHT INSPECTION IF USED.

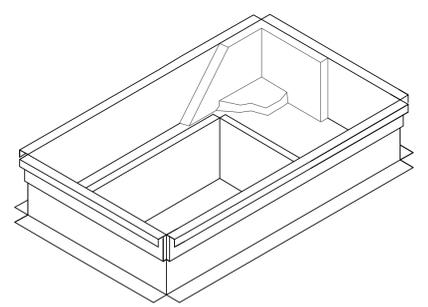
1 HR. FIRE WRAP ("0" CLEARANCE) TO COMUSTIBLES - INSTALLATION DETAIL
NOT TO SCALE



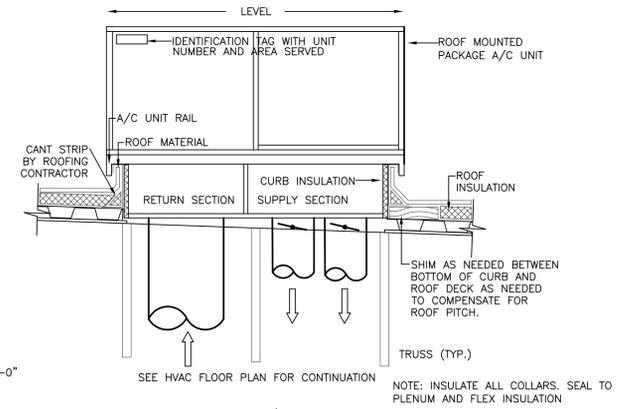
ROOF PLAN - HVAC
SCALE 1/4" = 1' - 0" WHEN PLOTTED 36" X 24"

DRAWING INFORMATION		
DATE	DESCRIPTION	BY
12-26-18	FOR CONSTRUCTION	KM

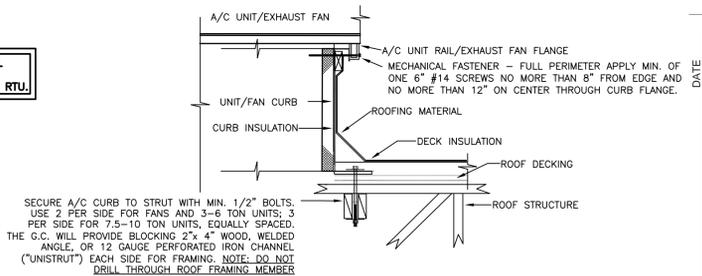
N-C-A
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4585 140TH AVE. NORTH, SUITE #1001
CLEARWATER, FLORIDA
PHONE: (877) 530-0078
CALL NCA MARKETING FOR PRICING
NCA JOB# 18-1330



FACTORY CURB CONVERSION SHALL NOT BE ACCEPTED.
NCA PLENUMIZED AC CURB DETAIL
NOT TO SCALE



DUCT RISER/LEVELING DETAIL
NOT TO SCALE



ACCEPTABLE FOR 140 MPH ZONE
ROOF EQUIP. CURB MOUNTING DETAIL
ACCEPTABLE FOR 140 MPH ZONE
NOT TO SCALE

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1994zackgilllett@gmail.com

ISSUED / REVISED
CLIENT REVIEW
ISSUED FOR PERMIT
ISSUED FOR CONSTRUCTION

DATE
01/07/19
01/07/19

HVAC ROOF PLAN AND HVAC DETAILS

HOOD INFORMATION - Job#3659888

HOOD NO.	TAG	MODEL	LENGTH	MAX. COOKING TEMP.	TOTAL EXH. CFM	EXHAUST PLENUM RISER(S)					TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG.		
						WIDTH	LENG.	HEIGHT	DIA.	CFM			VEL.	S.P.	END TO END
1		5430 ND-2-PSP-F	6' 0"	450 Deg.	1200		4"	12"	1200	1528	-0.504"	700	430 SS Where Exposed	ALONE	ALONE
2		3044 BD-2	3' 2"	450 Deg.	450		4"	10"	450	825	-0.210"	0	430 SS Where Exposed	ALONE	ALONE

HOOD INFORMATION

HOOD NO.	TAG	TYPE	QTY.	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY.	TYPE	WIRE GUARD	LOCATION	SIZE	UTILITY CABINET(S)			FIRE SYSTEM PIPING	HOOD HANGING WGT	
												FIRE SYSTEM	SIZE	ELECTRICAL			
1		Captrate Solo Filter	4	20"	16"	85% See Filter Spec.	3	L55 Series E26	NO	Right	12"x54"x30"	Ansul R102	3.0	DCV-2111	1 Light 1 Fan	YES	562 LBS
2		Captrate Solo Filter	2	16"	16"	85% See Filter Spec.	2	L55 Series E26	NO							YES	175 LBS

HOOD OPTIONS

HOOD NO.	TAG	FIELD WRAPPER	18.00" High	OPTION
1		BACKSPLASH	122.00" High X 204.00" Long	430 SS Vertical
		RIGHT QUARTER END PANEL	23" Top Width, 0" Bottom Width, 23" High	430 SS
		RISER SENSOR INSTALL	6IN PLEN	
		FIELD WRAPPER	37.00" High	Front, Left, Right
2		RIGHT QUARTER END PANEL	20" Top Width, 0" Bottom Width, 20" High	430 SS
		LEFT QUARTER END PANEL	20" Top Width, 0" Bottom Width, 20" High	430 SS
		RISER SENSOR INSTALL	6IN PLEN	
		FIELD WRAPPER	37.00" High	Front, Left, Right

PERFORATED SUPPLY PLENUM(S)

HOOD NO.	TAG	POS.	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)				
							WIDTH	LENG.	DIA.	CFM	S.P.
1		Front	84"	9"	6"	MUA	6"	28"		350	0.101"
						MUA	6"	28"		350	0.101"

NOTE: THIS HOOD SYSTEM HAS A HEAT SENSOR THAT COMPLIES WITH IMC 507.2.1.1 FOR AUTOMATIC FAN ACTIVATION WHENEVER COOKING OPERATIONS OCCUR.

DRAWING INFORMATION		
DATE	DESCRIPTION	BY
12-26-18	FOR CONSTRUCTION	KM

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DATE	ISSUED / REVISED
01/27/19 <td>ISSUED FOR PERMIT</td>	ISSUED FOR PERMIT
01/27/19 <td>ISSUED FOR CONSTRUCTION</td>	ISSUED FOR CONSTRUCTION

HOOD DETAILS

M-3.0

AIR BALANCE NOTE:
NET EXHAUST = HOOD EXHAUST - HOOD SUPPLY
NET EXHAUST = 1,650 CFM - 700 CFM
NET EXHAUST = 950 CFM

SPECIFICATION: CAPTRATE GREASE-STOP SOLO FILTER

THE CAPTRATE GREASE-STOP SOLO FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-Baffle DESIGN IN CONJUNCTION WITH A SLOTTED REAR Baffle DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

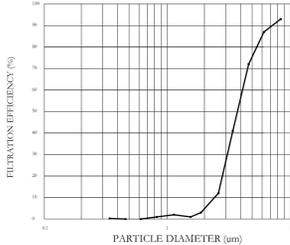
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

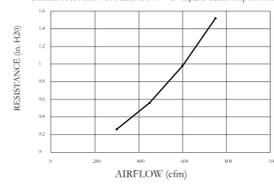
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 90% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLO WAS TESTED TO ASTM STANDARD ASTM F2519-05.

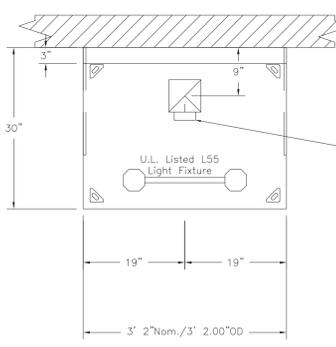
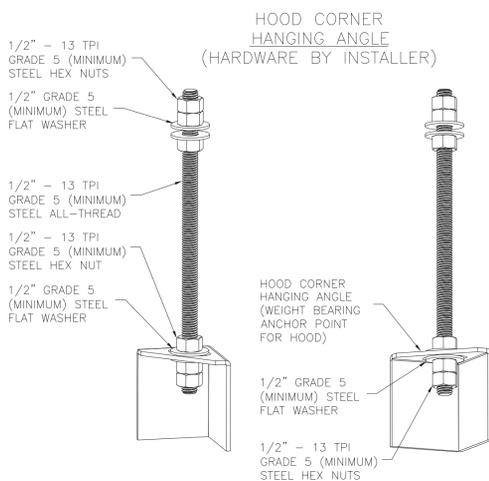
FILTER COLLECTION EFFICIENCY 2" Captrate Grease-Stop Solo Filter



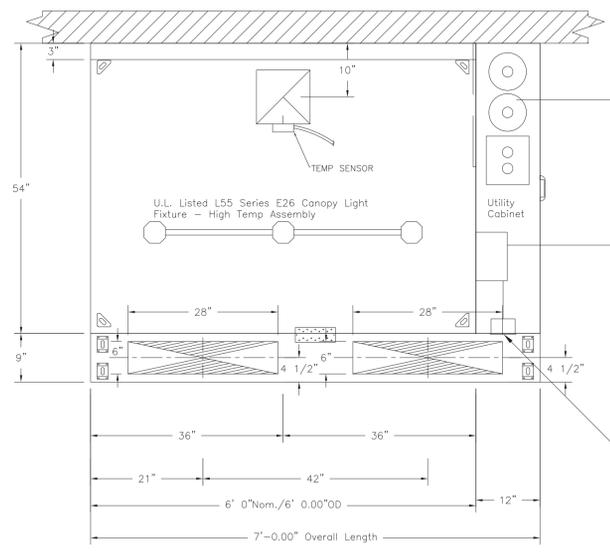
RESISTANCE VS. AIRFLOW - 2" Captrate Grease-Stop Solo Filter



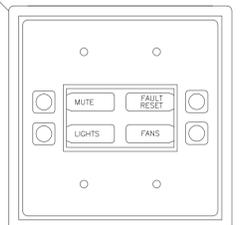
CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:
NFPA #96
NSF STANDARD #2
UL STANDARD #1046
INT. MECH. CODE (IMC)
ULC-5649



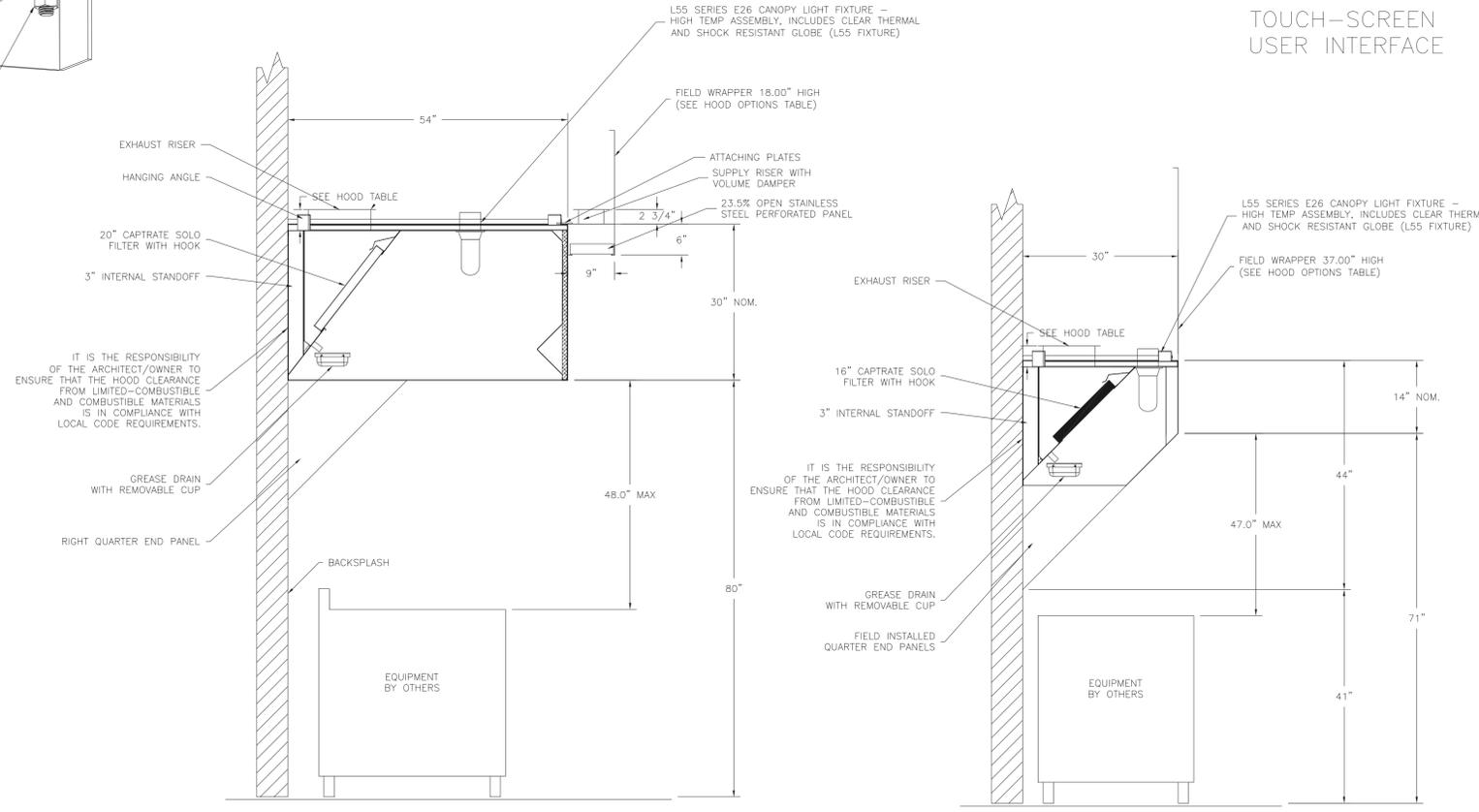
PLAN VIEW - Hood #2
3' 2.00" LONG 3044BD-2



PLAN VIEW - Hood #1
6' 0.00" LONG 5430ND-2-PSP-F



TOUCH-SCREEN USER INTERFACE



SECTION VIEW - MODEL 5430ND-2-PSP-F
HOOD - #1

SECTION VIEW - MODEL 3044BD-2
HOOD - #2

ELECTRICIAN NOTES :
All Hood/Fan/EMS/UDS/PCU electrical connections and interconnections to be provided and installed by Electrician. Electrician to provide, install, and land wiring between hood lights, hood temp sensors, remote Ansul system microswitches, and any other component requiring an electrical connection to the Captive-Aire electrical package. Failure by the Electrician to make ALL required electrical connections and interconnections will result in the electrical controls not working properly. Any loss or failed test as a result of electrical controls not working properly is the responsibility of the Electrician. Light bulbs for kitchen hoods to be provided and installed by electrician.

FOR QUESTIONS, CALL THE
SOUTHWEST FLORIDA REGIONAL OFFICE
4519 GEORGE RD, SUITE 150, TAMPA, FL 33634
PHONE: (800)378-2471 FAX: (813)354-4825

CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted

Approved with NO Exception Taken

Revise and Resubmit

SIGNATURE _____

Your Title _____ Date _____

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH

NFPA #96
UL 710 & ULC710 STANDARDS
E.T.L. LISTED 3054804-001

- GENERAL NOTES :**
- ELECTRICAL HOOD-UP TO GAS MOTOR CONTROLS (MOTOR STARTERS, FAN SWITCHES, FAN DISCONNECTS, RELAYS, ETC.) BY OTHERS.
 - FIRE CHASE BY OTHERS, IF REQUIRED.
 - ALL PHASES OF INSTALLATION SHALL COMPLY WITH NFPA 96.
 - WRITTEN MEASUREMENTS HAVE PRECEDENCE OVER SCALE.
 - PROVIDE CLEANOUTS IN EXHAUST AIR DUCTS AS INDICATED TO ALLOW CLEANING AT ALL BENDS AND HORIZONTAL RUNS.
 - EXHAUST DUCT TO BE 16 GA. GALV. STEEL.
 - ALL SEAMS AND JOINTS TO HAVE A LIQUID TIGHT CONTINUOUS EXTERNAL WELD.
 - FAN TO HAVE A MINIMUM OF 10 FT. OF CLEARANCE FROM THE OUTLET TO ADJACENT BUILDINGS, PROPERTY LINES, AIR INTAKES OR 3 FT. VERTICAL CLEARANCE PER NFPA96.
 - HORIZONTAL EXHAUST DUCT TO SLOPE NOT LESS THAN 1/4" PER FOOT TOWARD HOOD FOR DUCT LESS THAN 75' LONG.
1" PER FOOT SLOPE FOR DUCT LONGER THAN 75'.
 - HOOD TO OVERHANG COOKING EQUIPMENT 6" ON ALL OPEN SIDES.
 - EXHAUST DUCT TO BE PROTECTED FROM COMBUSTIBLES PER NFPA96 AND LOCAL CODE.
 - BUILDING PRESSURE SHALL NOT EXCEED 0.02" WATER COLUMN AT EXTERIOR DOORS.
 - KITCHEN SHALL BE BALANCED TO BE NEGATIVE WITH RESPECT TO THE DINING ROOM.

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DRAWING INFORMATION		
DATE	DESCRIPTION	BY
12-26-18	FOR CONSTRUCTION	KM

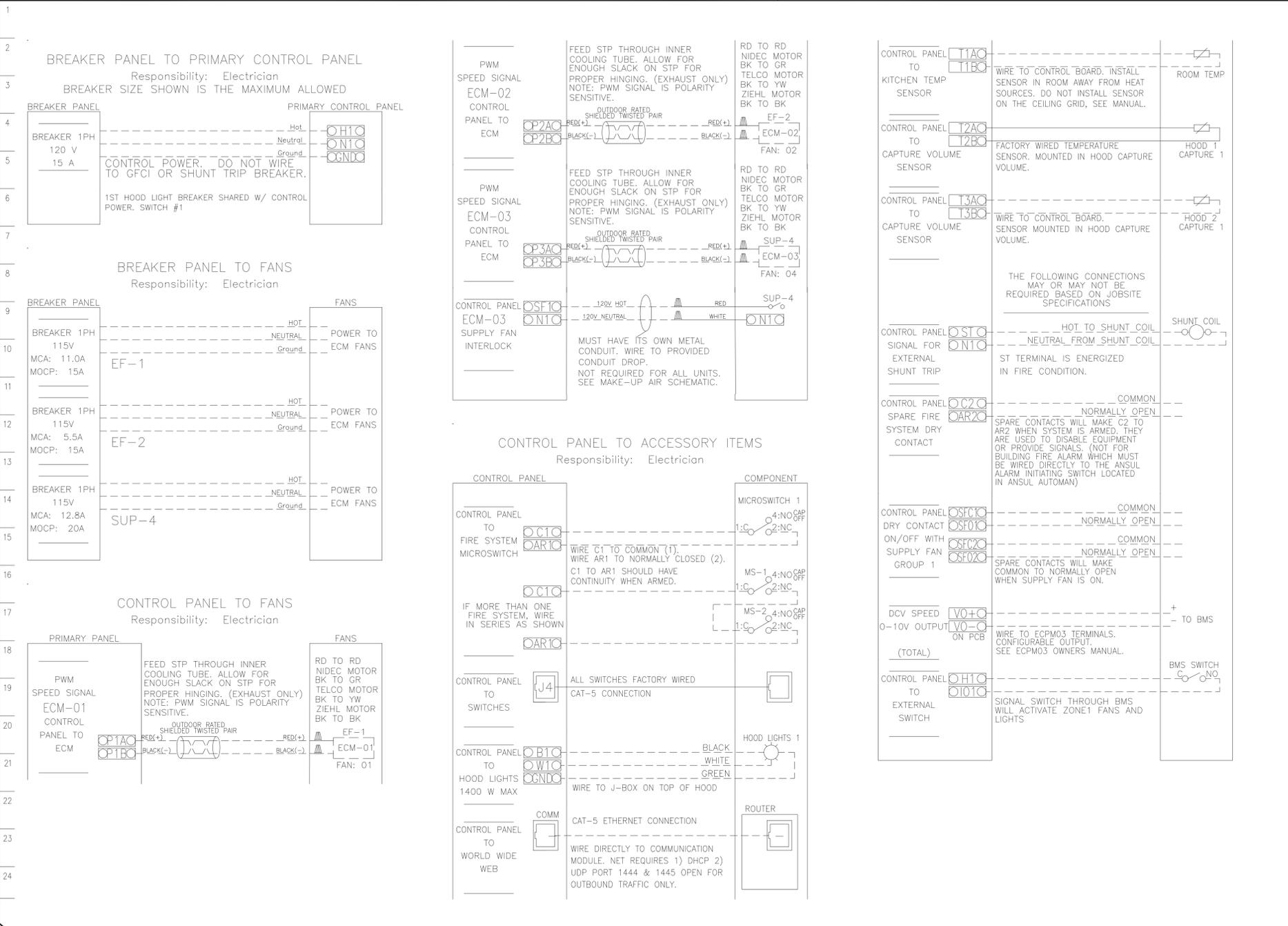
N-C-A
CONSULTANTS / GROUP

4585 140TH AVE. NORTH, SUITE #1001
CLEARWATER, FLORIDA
PHONE: (877) 530-0078
CALL NCA MARKETING FOR PRICING
NCA JOB# 18-1330

ELECTRICAL PACKAGE - Job#3659888

NO.	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	φ	H.P.	VOLT	FLA
1		DCV-2111	Utility Cabinet Right	04 - Utility Cabinet Right	1 Light	Smart Controls DCV	EF-1	Exhaust	1	0.750	115	8.8
				Hood # 1	1 Fan		EF-2	Exhaust	1	0.333	115	4.4
							MUA-1	Supply	1	1.000	115	10.2

JOB NO	3659888	MODEL NUMBER	DCV-2111	DRAWN BY	INSTALL	DESCRIPTION OF OPERATION:
JOB NAME	Dickeys Hood Option	DATE	12/27/2018	DWG NO	ECP #1-1	Demand Control Ventilation, w/ control for 2 Exhaust Fans, 1 Supply Fan, Exhaust on in Fire, Lights out in Fire, Fans modulate based on duct temperature. INVERTER DUTY 3 PHASE MOTOR REQUIRED FOR USE WITH VFD. Room temperature sensor shipped loose for field installation. Verify distance between VFD and Motor, additional cost could apply if distance exceeds 50 feet.



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1994zachgillett@gmail.com

ISSUED / REVISED	DATE
CLIENT REVIEW	01/07/19
ISSUED FOR PERMIT	01/07/19
ISSUED FOR CONSTRUCTION	

HOOD DETAILS

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M-4.0

GENERAL ELECTRICAL NOTES

- ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL LOCAL AND STATE CODES.
- ALL MATERIAL SHALL BE NEW AND SHALL CONFORM TO THE STANDARDS OF THE UNDERWRITER'S LABORATORIES, INC., AND THE NATIONAL MANUFACTURERS ASSOCIATION.
- ALL ELECTRICAL PERMITS AND INSPECTION FEES SHALL BE OBTAINED AND PAID FOR BY THE ELECTRICAL CONTRACTOR.
- DRAWINGS ARE DIAGRAMMATIC ONLY AND INDICATE ONLY THE GENERAL ARRANGEMENT. SEE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS.
- ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR EFFECTIVE THE DAY THE PROJECT IS ACCEPTED BY THE OWNER.
- ELECTRICAL CONTRACTOR SHALL MAKE ALL ELECTRICAL POWER CONNECTIONS TO HVAC, PLUMBING, BUILDING SIGNAGE AND OTHER EQUIPMENT AS REQUIRED.
- A COMPLETE GROUNDING SYSTEM SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH ARTICLE 250 OF THE NEC, AND AS SHOWN ON THE DRAWINGS.
- ALL CUTTING AND PATCHING OF WALLS AND FLOORS FOR ELECTRICAL EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- ALL WIRING SHALL BE INSTALLED IN GALVANIZED RIGID CONDUIT, INTERMEDIATE METAL CONDUIT, OR EMT. EMT SHALL NOT BE USED IN OR UNDER CONCRETE SLABS, OR IN MASONRY WALLS. MC CABLE IS ACCEPTABLE WHERE ALLOWED BY CODE.
- CONDUCTORS SHALL BE COPPER RATED AT NOT LESS THAN 600 VOLTS. MINIMUM SIZE SHALL BE #12 AWG UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL WIRE #8 AWG AND LARGER SHALL BE STRANDED. ALL CONDUCTORS #10 AND SMALLER SHALL BE SOLID, UNLESS OTHERWISE NOTED. USE THE 60°C AMPACITY RATING FOR CONDUCTORS FEEDING EQUIPMENT RATED 100A OR LESS, OR FOR EQUIPMENT RATED FOR CONDUCTORS #1 AWG OR LESS.
- BRANCH CIRCUIT CONDUCTORS SHALL BE TYPE THHN OR THWN AS REQUIRED.
- PROVIDE A PULL WIRE IN ALL EMPTY CONDUITS.
- PROVIDE A TYPED DIRECTORY IN ALL PANEL BOARDS CLEARLY DESCRIBING THE LOCATION OF AND TYPE OF LOAD BEING SERVED FOR ALL CIRCUITS.
- PROVIDE ENGRAVED PHENOLIC NAMEPLATES FOR ALL PANEL BOARDS AND DISCONNECT SWITCHES, WHITE LETTERS ON BLACK BACKGROUND.
- FUSES 0 - 600 AMPS SHALL BE UL CLASS "RK-1" LOW PEAK DUAL ELEMENT TIME DELAY WITH 200,000 AMPERE INTERRUPTING RATING AS MANUFACTURED BY BUSS. UNLESS NOTED OTHERWISE.
- ALL TERMINALS, SPLICING CONNECTORS, LUGS, ETC. SHALL BE IDENTIFIED FOR USE WITH THE MATERIAL (CU/AL) OF THE CONDUCTOR AND SHALL BE PROPERLY INSTALLED. ALL TERMINALS, SPLICING CONNECTORS, LUGS, ETC. SHALL BE IDENTIFIED FOR USE WITH 75°C RATED CONDUCTORS.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL ELECTRICAL EQUIPMENT FROM FOREIGN MATERIAL DURING CONSTRUCTION (PAINT, SPACKLE, ETC.).
- WHERE PENETRATIONS ARE MADE THROUGH A REQUIRED FIRE-RESISTIVE WALL, FLOOR, OR PARTITION FOR THE PURPOSE OF RUNNING RACEWAY CARRYING ELECTRICAL, TELEPHONE, TELEVISION, OR LOCAL COMMUNICATION AND/OR SIGNALING CIRCUITS, THE OPENING AROUND THE RACEWAY SHALL BE FIRE STOPPED PER THE STATE BUILDING CODE. COORDINATION WITH THE GENERAL CONTRACTOR SHALL BE MAINTAINED TO INSURE THAT THIS FIRE STOPPING IS ACCOMPLISHED. USE APPROVED ASSEMBLIES SUCH AS THE FOLLOWING:
CONDUIT PENETRATIONS OF 1 & 2 HOUR GYP BOARD WALLS - U.L.#WL1001
CONDUIT PENETRATIONS OF 1 & 2 HOUR CONCRETE OR BLOCK WALLS - U.L.#CAJ1001
CONDUIT PENETRATIONS OF 1 & 2 HOUR CONCRETE FLOORS - U.L.#CAJ1001
- IN REQUIRED FIRE RATED WALLS AND PARTITIONS, OPENINGS FOR INSTALLATION OF BOXES THAT ARE GREATER THAN 16 SQUARE INCHES SHALL BE PROTECTED AS REQUIRED BY U.L. COORDINATE CLOSELY WITH THE GENERAL CONTRACTOR TO INSURE THE INTEGRITY OF THE U.L. RATING IS MAINTAINED.
- WHERE A HOME RUN IS SHOWN THE CIRCUIT SHALL BE INSTALLED IN A DEDICATED CONDUIT, DO NOT COMBINE WITH OTHER CIRCUITS. WHERE A CIRCUIT HOMERUN IS NOT SHOWN THE CONTRACTOR SHALL COMBINE CIRCUITS AS FOLLOWS:
A MAXIMUM OF THREE 20A BRANCH CIRCUITS MAY BE COMBINED IN A COMMON HOMERUN SHARING A COMMON NEUTRAL OR WITH SEPARATE NEUTRALS, A TOTAL OF SIX CURRENT CARRYING CONDUCTORS.
ALL BRANCH CIRCUITS LARGER THAN 20A SHALL BE SEPARATELY HOMERUN TO THE PANEL. ALL HOME RUNS IN EXCESS OF 100' SHALL BE INCREASED ONE WIRE SIZE FROM THAT SHOWN FOR THE CIRCUIT, #10 AWG MINIMUM.
- CIRCUIT NUMBERS, FIXTURE DESIGNATION AND SWITCHING ARE AS FOLLOWS. UPPER CASE LETTER(S) INDICATES FIXTURE TYPE. NUMBER INDICATES CIRCUIT. LOWER CASE LETTER(S) INDICATES SWITCHING DESIGNATION. WHERE TWO SWITCHING DESIGNATIONS ARE SHOWN CONTROL ONE LAMP OF TWO LAMP FIXTURES AND THE CENTER LAMP(S) OF THREE AND FOUR LAMP FIXTURES TO THE FIRST DESIGNATION, AND THE REMAINING LAMPS TO THE SECOND DESIGNATION. FIXTURE SWITCHING AND CIRCUITING ARE TYPICAL FOR ALL LIGHT FIXTURES.

		EXISTING PANEL: A						3 PHASE 4 WIRE RECESSED MOUNTED						
		LOAD PER PHASE			LOAD PER PHASE			LOAD PER PHASE			LOAD PER PHASE			
		A	B	C	A	B	C	A	B	C	A	B	C	
EXIST.	RTU-1	3	EX	20	1	5.0	0.8		2	20	12	1	LTS-KITCHEN/HALL/RR'S	
EXIST. MODIFIED	RECPT - RTU	1	12	20	7	0.4	1.2		4	20	12	1	LTS-TRACK/CANS	
									6	20	12	1	LTS-CHANDELIER/STRING	
									8	20	12	1	TENANT SIGN	
HACR	RTU-2	3	8	40	11	2.5	0.5		10	20	12	1	CANOPY STRING LTS	
									12	20	12	1	RECPT - WINDOWS	
									14	20	12	1	RECPT - TV'S	
	EF-1	1	12	15	18		1.1	0.7	16	20	12	1	RECPT - MENU BOARDS	
	EF-2	1	12	15	17			0.5	0.5	18	20	12	1	RECPT - DINING
	MUA-1	1	12	20	19	1.2	1.3		20	20	12	1	RECPT - BENCH	
	HOOD CONTROLS / LTS	1	12	15	21		1.0	0.4	22	20	12	1	RECPT - HALL/DOOR BELL	
HACR	WALK-IN COOLER	2	12	15	23			1.0	0.5	24	20	12	1	RECPT - DESK
	CAPSULE PAK	2	12	15	23		1.0	0.4	26	20	12	1	RECPT - TELE BOARD	
	WALK-IN COOLER LTS	1	12	15	27		0.1	0.5	28	20	12	1	RECPT - EXTERIOR	
	WATER HEATER	1	12	15	29			0.6	-	30	20	-	1	SPARE
	SPARE	1	-	20	31	-	-	-	-	32	20	-	1	SPARE
	SPARE	1	-	20	33	-	-	-	-	34	20	-	1	SPARE
	SPARE	1	-	20	35	-	-	-	-	36	20	-	1	SPARE
	SPARE	1	-	20	37	-	11.2	-	-	38	-	-	-	-
	SPARE	1	-	20	39	-	-	0.4	-	40	125	1	3	PANEL K
	SPARE	1	-	20	41	-	-	-	7.8	42	-	-	-	-
TOTAL CONNECTED KVA					25.5	21.9	19.5				DEMAND KVA: 61.0			
PANEL MINIMUM AIC RATING: EXIST.					66.9						DEMAND AMPS: 169.4			

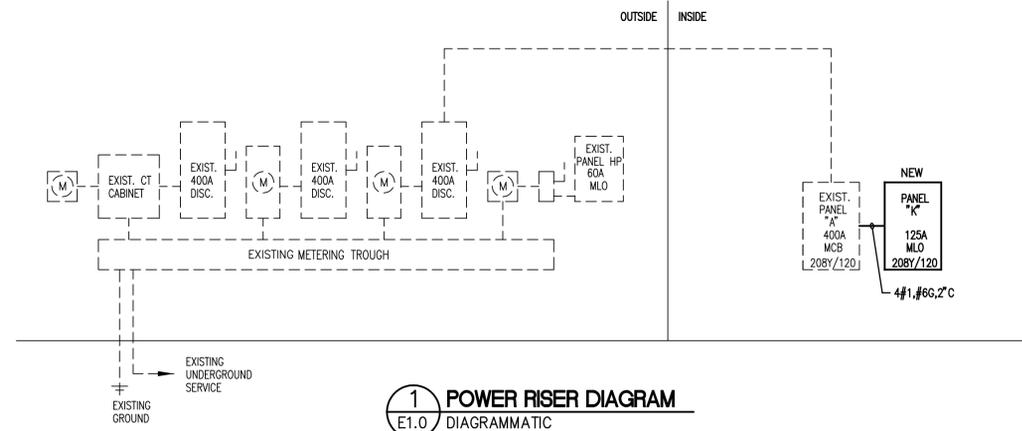
BL - PROVIDE BREAKER LOCK
GF - GF CIRCUIT BREAKER
HACR - PROVIDE HACR TYPE BREAKER
TC - CIRCUIT VIA TIMECLOCK BY EC.

PANEL "A" LOAD SUMMARY			
LIGHTS	3.2	125%	4.0
RECEPT	6.7	NEC	6.7
KIT. EQUIP	30.1	65%	19.6
KIT. EQUIP	3.8	100%	3.8
HVAC	7.5	100%	7.5
HVAC (LARGEST)	15.0	125%	18.8
MISC.	0.0	100%	0.0
WATER HEATER	0.6	100%	0.6
	<u>66.9</u>		<u>61.0</u>

		NEW PANEL: K						3 PHASE 4 WIRE RECESSED MOUNTED					
		LOAD PER PHASE			LOAD PER PHASE			LOAD PER PHASE			LOAD PER PHASE		
		A	B	C	A	B	C	A	B	C	A	B	C
HACR	REACH IN FREEZER	1	12	15	1	1.2	0.3		2	20	12	1	REFRIGERATED COLD PAN
ST	INDUCTION RANGE	2	12	15	3	1.3	0.4		4	20	12	1	RECPT - POS
									6	20	15	1	BACK BAR COOLER
	SHUNT TRIP SPACE				7	-	0.5		8	20	12	1	CARBONATOR
ST	PAN CARRIER	1	12	20	9		0.2	1.5	10	20	12	1	ICE MAKER
	SHUNT TRIP SPACE				11		-	0.5	12	20	12	1	BEVERAGE DISPENSER
ST	INDUCTION RANGE	2	12	15	13	1.2	0.4		14	20	12	1	BUBBLER DISPENSER
					15		1.3	1.7	16	20	12	1	TEA BREWER
	SHUNT TRIP SPACE				17		-	1.2	18	20	12	1	COUNTERTOP FOOD WARMER
ST	BBQ OVEN	1	12	20	19	1.7	1.7		20	20	12	1	SOFT SERVE FREEZER
	SHUNT TRIP SPACE				21		-	-	22	20	-	1	SPARE
	HEAT LAMP	1	12	20	23		0.5	-	24	20	-	1	SPARE
HACR	WORKTOP FREEZER	1	12	15	25	0.4	-		26	20	-	1	SPARE
	BUN GRILL TOASTER	1	12	20	27		1.8	-	28	20	-	1	SPARE
	HEAT LAMPS	1	12	20	29		0.5	-	30	20	-	1	SPARE
	PROOFER/HEATER CABINET	1	12	20	31	2.0	-		32	20	-	1	SPARE
	DIGITAL SCALE	1	12	20	33		0.1	-	34	20	-	1	SPARE
	PROOFER/HEATER CABINET	1	12	20	35		2.0	-	36	20	-	1	SPARE
	PANINI GRILLE	1	12	20	37	1.7	-		38	20	-	1	SPARE
	FOOD WARMER TABLE	2	12	15	39		1.3	-	40	20	-	1	SPARE
					41		1.2	-	42	20	-	1	SPARE
TOTAL CONNECTED KVA					11.2	9.4	7.8				DEMAND KVA: 18.6		
PANEL MINIMUM AIC RATING: 22K					28.4						DEMAND AMPS: 51.7		

HACR - PROVIDE HACR TYPE BREAKER
ST - PROVIDE SHUNT TRIP BREAKER

PANEL "K" LOAD SUMMARY			
RECEPT	0.4	NEC	0.4
KIT. EQUIP	28.0	65%	18.2
	<u>30.0</u>		<u>18.6</u>



1 POWER RISER DIAGRAM
E1.0 DIAGRAMMATIC

NOTE:
DASHED LINES REPRESENT EXISTING TO REMAIN.

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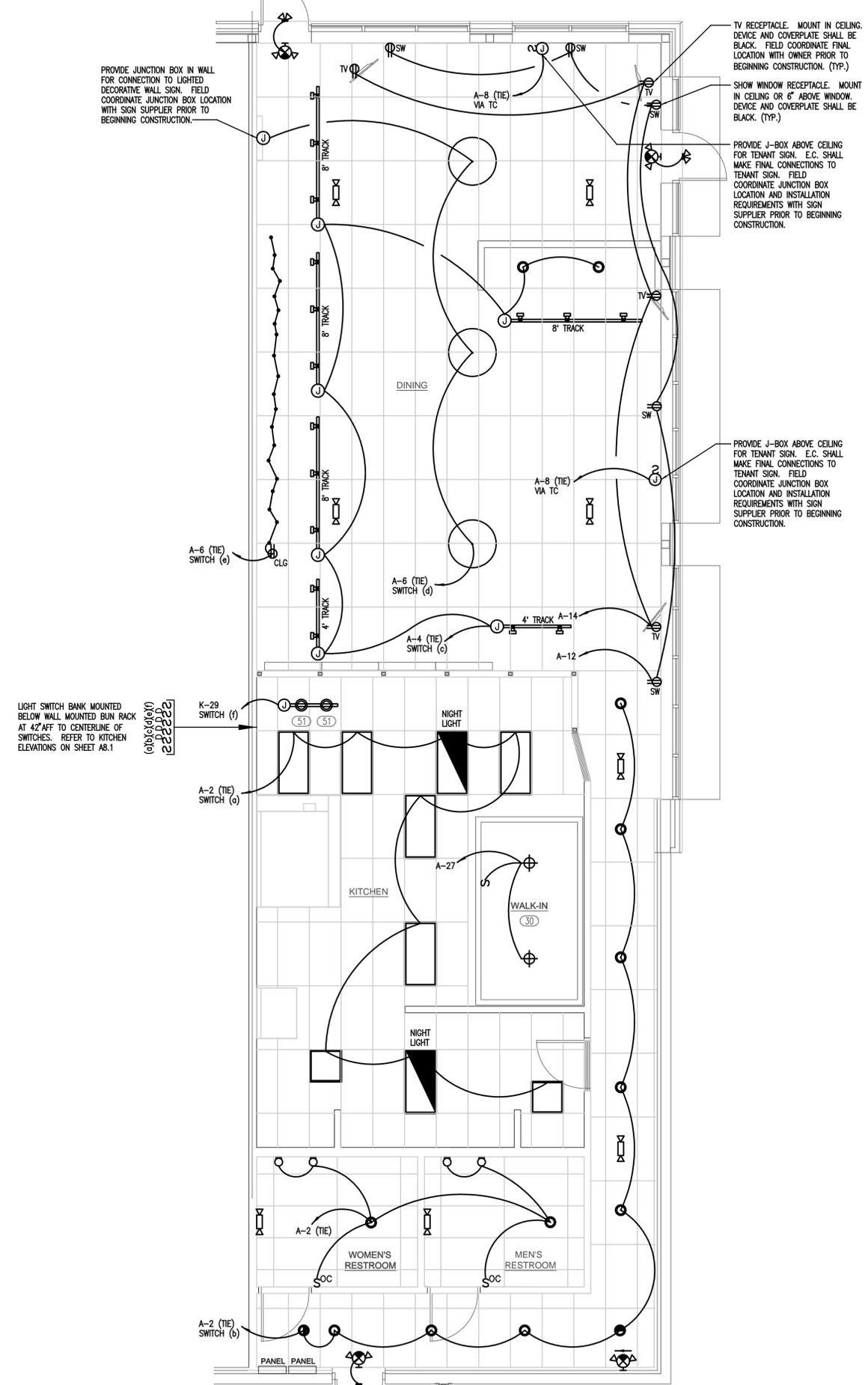
ELECTRICAL
COVER SHEET

E1.0

LIGHTING FIXTURE SCHEDULE												
SYMBOL	MANUF.	CATALOG NUMBER	LAMP DATA		LENS IF APPLICABLE	MOUNTING	DRIVER		FIXTURE WATTS	DESCRIPTION	SUPPLIED BY:	INSTALLED BY:
			TYPE	NO.			TYP	VOLTAGE				
	LITHONIA	2GTL-2-40L-MVOLT-GZ10-LP835	LED	1	ACRYLIC LENS	LAY-IN	DIMMABLE (0-10V)	120	34	2'x2' LED LENSED TROFFER	GENERAL CONTRACTOR (NOTES 1,2)	ELECTRICAL CONTRACTOR
	LITHONIA	2GTL-4-40L-MVOLT-GZ10-LP835	LED	1	ACRYLIC LENS	LAY-IN	DIMMABLE (0-10V)	120	30	2'x4' LED LENSED TROFFER	GENERAL CONTRACTOR (NOTES 1,2)	ELECTRICAL CONTRACTOR
	LITHONIA	2GTL-4-40L-MVOLT-GZ10-LP835-EL14L	LED	1	ACRYLIC LENS	LAY-IN	DIMMABLE (0-10V)	120	30	2'x4' LED LENSED TROFFER WITH 1400 LUMEN EMERGENCY BATTERY	GENERAL CONTRACTOR (NOTES 1,2)	ELECTRICAL CONTRACTOR
	CONTECH	RL38SA335KC12D/CTR3002 BLACK TRIM CLEAR REFLECTOR	LED	1		RECESSED	DIMMABLE (0-10V)	120	22	6" LED RECESSED DOWNLIGHT COLOR: BLACK	GENERAL CONTRACTOR (NOTES 1,2)	ELECTRICAL CONTRACTOR
	CONTECH	RL38SA335KC12D/CTR1903 BLACK WALL WASH TRIM CLEAR REFLECTOR	LED	1		RECESSED	DIMMABLE (0-10V)	120	22	6" LED RECESSED DOWNLIGHT WITH WALL WASH TRIM COLOR: BLACK	GENERAL CONTRACTOR (NOTES 1,2)	ELECTRICAL CONTRACTOR
	CONTECH	LT-4-B (4' TRACK) LT-6-B (6' TRACK) LT-8-B (8' TRACK)				SURFACE		120		LINE VOLTAGE TRACK WITH END CAPS. LENGTH PER PLANS. PROVIDE WITH LA-2-B MINI CONNECTOR AND LA-23-R-B 1-CIRCUIT END FEED CURRENT LIMITING DEVICE WITH 1" ATTACHED TRACK. FOR 4' TRACK - REG0.5-B CIRCUIT BREAKER, 60W, 0.5A FOR 6' AND 8' TRACK - REG1-B CIRCUIT BREAKER, 120W, 1A COLOR: BLACK	GENERAL CONTRACTOR (NOTES 1,2)	ELECTRICAL CONTRACTOR
	CONTECH	CTL8070F3D-B	LED	1		TRACK	DIMMABLE (LINE VOLTAGE)	120	9	LED CYLINDER TRACK FIXTURE COLOR: BLACK	GENERAL CONTRACTOR (NOTES 1,2)	ELECTRICAL CONTRACTOR
	TONY COLLINS ART	DKL2816	(8) MED. BASE SOCKETS 6W LED (DIMMABLE) EDISON STYLE			SUSPENDED W/ CHAIN		120	48	CUSTOM CHANDELIER 38.5"Wx16"H WITH CHAIN FOR ADJUSTABLE HANGING	OWNER/ OPERATOR	ELECTRICAL CONTRACTOR
	INNOVATIONS LIGHTING	223-0B	MED. BASE SOCKET 4W LED EDISON STYLE			WALL		120	4	RESTROOM WALL SCONCE LIGHT FIXTURE	GENERAL CONTRACTOR (NOTES 1,2)	ELECTRICAL CONTRACTOR
	TO BE FURNISHED BY OWNER/OPERATOR	(2)	MED. BASE SOCKETS 2W LED (DIMMABLE) EDISON STYLE			SUSPENDED FROM CEILING		120	24	COMMERCIAL GRADE SUSPENDED SOCKET LED STRING LIGHTS. 24" LENGTH (OR AS SPACE DICTATES) COLOR: BLACK	OWNER/ OPERATOR	ELECTRICAL CONTRACTOR
	KASON	1806	LED - GU24 1100 LUMENS 4000K, 85 CRI		HI-IMPACT LEXAN GLOBE	CEILING		120	1	LED WALK-IN COOLER LIGHT FIXTURE	FURNISHED WITH WALK-IN BOX.	ELECTRICAL CONTRACTOR
	TAMLITE	LXPCP-EM-SD W (WHITE HOUSING) B (BLACK HOUSING)	RED LED LETTERS W/ LED LIGHT BAR			WALL OR CEILING		120	5	COMBINATION LED EXIT / EMERGENCY LIGHT WITH 90 MINUTE BATTERY BACK-UP WITH SELF-DIAGNOSTICS AND REMOTE FIXTURE CAPABILITY. NUMBER OF FACES PER PLANS. PROVIDE WHITE HOUSING FOR AREAS WITH WHITE CEILINGS. PROVIDE BLACK HOUSING FOR AREAS WITH BLACK CEILINGS.	GENERAL CONTRACTOR (NOTES 1,2)	ELECTRICAL CONTRACTOR
	LITHONIA	ELM2-LED-SD BLANK (WHITE HOUSING) B (BLACK HOUSING)	(2) 1.5W LED		POLYCARBONATE LENS	WALL OR CEILING		120	2	LED EMERGENCY LIGHT WITH 90 MINUTE BATTERY BACK-UP AND SELF-DIAGNOSTICS. COORDINATE MOUNTING HEIGHT/LOCATION WITH ARCH PLANS. PROVIDE WHITE HOUSING FOR AREAS WITH WHITE CEILINGS. PROVIDE BLACK HOUSING FOR AREAS WITH BLACK CEILINGS.	GENERAL CONTRACTOR (NOTES 1,2)	ELECTRICAL CONTRACTOR
	TAMLITE	LSRH2-9.6WP-B-SD	(2) 1W LED		GLASS LENS	WALL		120	2	REMOTE EXTERIOR EMERGENCY LIGHT FIXTURE WITH SELF-DIAGNOSTICS. WET LOCATION LISTED. COLOR BLACK. POWERED FROM COMBINATION EXIT/EMERGENCY FIXTURE.	GENERAL CONTRACTOR (NOTES 1,2)	ELECTRICAL CONTRACTOR

LUMINAIRE SCHEDULE NOTES:
1. LIGHTING FIXTURES AND LAMPS SHALL BE PURCHASED BY THE ELECTRICAL CONTRACTOR VIA CED NATIONAL ACCOUNTS.
2. FOR PRICING AND ORDERING, CONTACT RYAN DENNY AT 1-817-923-1983 (OFFICE), 1-281-733-8884 (CELL) OR EMAIL AT RYAN.DENNY@CED.COM.

ELECTRICAL LIGHTING SYMBOL LEGEND	
	CONDUIT RUN CONCEALED IN WALLS OR ABOVE CEILING. IN AREAS WITH NO CEILING, RUN CONDUITS HIGH AS POSSIBLE AGAINST STRUCTURE.
	CONDUIT UNDERGROUND, UNDERFLOOR, OR IN WALL
	DUPLEX RECEPTACLE, COMMERCIAL GRADE, 120 VOLT, 20A RATED, +18" A.F.F. TO CENTER OR HEIGHT AS INDICATED ON PLANS AND KITCHEN EQUIPMENT SCHEDULE. FOR CIRCUIT WITH TWO OR MORE DUPLEX RECEPTACLES, RECEPTACLES MAY BE 15A RATED. "SW" INDICATES "SHOW WINDOW" RECEPTACLE. MOUNT IN CEILING OR 6" ABOVE WINDOW. "TV" INDICATES "TV" RECEPTACLE. COORDINATE LOCATION AND MOUNTING HEIGHT WITH OWNER/OPERATOR.
	JUNCTION BOX, CEILING MOUNTED
	SINGLE POLE SWITCH, +48" A.F.F. TO CENTER OR HEIGHT AS INDICATED ON PLANS. SWITCH SHALL BE COMPATIBLE WITH AND MATCH CHARACTERISTICS OF LIGHTS BEING SERVED. PROVIDE LOW VOLTAGE WIRING AND/OR POWER PAKS AS NECESSARY.
	DIMMER SWITCH, +48" A.F.F. TO CENTER OR HEIGHT AS INDICATED ON PLANS. SWITCH SHALL BE COMPATIBLE WITH AND MATCH CHARACTERISTICS OF LIGHTS BEING SERVED. PROVIDE LOW VOLTAGE WIRING AND/OR POWER PAKS AS NECESSARY.
	OCCUPANCY SENSOR/SWITCH, +48" A.F.F. TO CENTER OR HEIGHT AS INDICATED ON PLANS. SWITCH SHALL BE COMPATIBLE WITH AND MATCH CHARACTERISTICS OF LIGHTS BEING SERVED. PROVIDE LOW VOLTAGE WIRING AND/OR POWER PAKS AS NECESSARY.
DEVICE COLOR / COVERPLATE COLOR:	
DEVICES IN KITCHEN SHALL BE WHITE WITH STAINLESS STEEL COVERPLATES.	
DEVICES IN DINING, HALL AND RESTROOMS SHALL BE BLACK WITH BLACK COVERPLATE OR COLOR TO MATCH EXISTING FINISHES.	



NOTES:
1. ALL EXIT, NIGHT LIGHT AND EMERGENCY LIGHT FIXTURES SHALL BE CIRCUITED TO AN UNSWITCHED LEG OF THE NEAREST LOCAL LIGHTING CIRCUIT.
2. MINIMUM OF 50 FOOT CANDLES SHALL BE PROVIDED AT SURFACES OF ALL FOOD WASHING AND FOOD PREPARATION AREAS.
3. MINIMUM OF 20 FOOT CANDLES IS BEING PROVIDED IN ALL OTHER AREAS.
4. ALL LIGHT BULBS IN LIGHT FIXTURES IN KITCHEN, DINING ROOM AND SELF-SERVICE AREAS ARE SHIELDED USING CLEAR PRISMATIC LENS IN THE LIGHT FIXTURE OR HAVE SHATTER PROOF LED BULB.

1 ELECTRICAL LIGHTING PLAN
E2.0 1/4" = 1'-0"

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ELECTRICAL LIGHTING PLAN

KITCHEN EQUIPMENT SCHEDULE												
ITEM	QTY	DESCRIPTION	MANUFACTURER	MODEL	ELECTRICAL					NOTES	CIRCUIT NO.	
					VOLTS	PHASE	AMPS	WATTS	CONN.			A.F.F.
1	1	FAST EDDY'S BARBEQUE OVEN	COOK SHACK	FEC300	120	1	14.0	1680	5-20R	18"	COMES WITH CORD AND NEMA 5-15P PROVIDE 20A CIRCUIT BREAKER.	K-19
2	2	PROOFER/HEATER CABINET	CRESCOR	H-137-WSUA-50	120	1	16.0	2000	5-20R	18"	COMES WITH CORD AND NEMA 5-20P	K-31 K-35
5	1	WORKTOP FREEZER	HOSHIZAKI	CRM27-W	120	1	3.4		5-20R	18"	COMES WITH CORD AND NEMA 5-15P PROVIDE 15A HACR CIRCUIT BREAKER.	K-25
7	1	ADJUSTABLE HEAT LAMP	CHEF MASTER	0-76903-90050-1	120	1		500	5-20R	48"	COMES WITH CORD AND NEMA 5-15P	K-23
8	2	COUNTERTOP INDUCTION RANGE	GARLAND	GI-BH/BA 2500	208	1	13.0	2500	6-15R	48"	COMES WITH CORD AND NEMA 6-15P	K-3,5 K-13,15
10	1	EXHAUST HOOD	CAPTIVEAIRE	SEE M SHEETS							EC SHALL WIRE PER HOOD INSTALLATION WIRING DIAGRAM.	SEE PLANS
11	1	PAN CARRIER	CAMBROA	UPCH400	120	1	2.0	230	5-20R	18"	COMES WITH CORD AND NEMA 5-15P	K-9
30	1	WALK-IN COOLER	IMPERIAL BROWN	16-1B-94058-01	208	1	12.0		DISC.		PROVIDE 15A HACR CIRCUIT BREAKER. CAPSULE PAK MOUNTS INSIDE BUILDING ON TOP OF WALK-IN BOX. EC SHALL PROVIDE 208V CIRCUIT TO CAPSULE PAK. EC SHALL PROVIDE SEPARATE 120V CIRCUIT FOR WALK-IN BOX LIGHTS AND PILOT SWITCH. LED LIGHTS ARE FURNISHED WITH WALK-IN BOX AND SHALL BE INSTALLED BY EC. PILOT SWITCH IS FURNISHED WITH WALK-IN BOX AND SHALL BE INSTALLED BY EC.	SEE PLANS
31	1	REACH-IN FREEZER	HOSHIZAKI	CF2S-FS	120	1	11.0		5-20R	18"	COMES WITH CORD AND NEMA 5-15P PROVIDE 15A HACR CIRCUIT BREAKER.	K-1
35	1	WATER HEATER	SEE PLUMBING DWGS.	SEE PLUMBING DRAWINGS	120	1	<5.0		SWITCH	72"		SEE PLANS
45	1	BACK BAR COOLER	KROWNE	NSS2L-KSS	120	1	6.0		5-20R	18"	COMES WITH CORD AND NEMA 5-15P. PROVIDE 15A HACR CIRCUIT BREAKER.	K-6
50	1	BUN GRILL TOASTER/FEED	APW WYOTT	M-83 W/200-104	120	1	13.3	1600	5-20R	48"	COMES WITH CORD AND NEMA 5-15P.	K-27
51	2	HEAT LAMPS	HATCO	120V DL-775-AC-RTN TRACK: DL-TRACK-BB	120	1		250	TRACK	CLG	HEAT LAMPS COME WITH TRACK AND LAMPS. EC SHALL MOUNT TRACK TO CEILING. HEAT LAMPS ATTACH TO TRACK. EC SHALL WIRE TO SWITCH ON WALL.	K-29
53	1	REFRIGERATED COLD PANS	WELLS	RCP-200	120	1	2.8		5-20R	18"	COMES WITH CORD AND NEMA 5-15P.	K-2
55	1	FOOD WARMER TABLE MOUNT	WELLS	MOD200TDM	208	1		2480	6-15R	18"	COMES WITH CORD AND NEMA 6-15P.	K-39,41
60	1	DIGITAL SCALE	DETCTO	APS160	120	1	1.0		5-20R	18"	COMES WITH CORD AND NEMA 5-15P.	K-33
61	1	PANINI GRILL	CHEF'S SUPREME	PG2S	120	1	14.5		5-20R	18"	COMES WITH CORD AND NEMA 5-15P.	K-37
63	4	DIGITAL MENU	SAMSUNG	BY VENDOR	120	1			5-20R	90"	COMES WITH CORD AND NEMA 5-15P.	SEE PLANS
72	1	BEVERAGE DISPENSER	COKE	FREESTYLE	120	1			5-20R	42"	COMES WITH CORD AND NEMA 5-15P.	K-12
73	1	ICE MAKER	SCOTSMAN	N04220-400LB	120	1	15.2		5-20R	64"	EC SHALL PROVIDE SJD CORD WITH NEMA 5-20P. PROVIDE 20A HACR CIRCUIT BREAKER.	K-10
76	1	TEA BREWER	BUNN	ITCB-DV-DBC	120	1	14.0	1700	5-20R	42"	COMES WITH CORD AND NEMA 5-15P.	K-16
80	1	POS SYSTEM			120	1			5-20R	18"	COMES WITH CORD AND NEMA 5-15P. EC SHALL PROVIDE DOUBLE DUPLEX OUTLET AND DATA BOX.	K-4
81	1	CARBONATOR SHELF / CARBONATOR	BY SODA VENDOR	BY SODA VENDOR	120	1			5-20R	60"	COMES WITH CORD AND NEMA 5-15P.	K-8
83	1	SOFT SERVE FREEZER	STOELTING	F111-38I	208	1	8.0		6-15R	42"	COMES WITH CORD AND NEMA 6-15P. PROVIDE 15A HACR CIRCUIT BREAKER.	K-20
85	1	COUNTERTOP FOOD WARMER	NEMCO	6055A	120	1	10.0	1200	5-20R	42"	COMES WITH CORD AND NEMA 5-15P.	K-18
86	1	BEVERAGE BUBBLER DISPENSER	CRATHCO	CS-1D-16	120	1	3.6		5-20R	42"	COMES WITH CORD AND NEMA 5-15P.	K-14

E.C. SHALL FIELD VERIFY ELECTRICAL REQUIREMENTS OF ALL KITCHEN EQUIPMENT WITH NAMEPLATE DATA AND WIRE ACCORDING TO THE NAMEPLATE DATA AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.

ELECTRICAL POWER SYMBOL LEGEND	
	CONDUIT RUN CONCEALED IN WALLS OR ABOVE CEILING. IN AREAS WITH NO CEILING, RUN CONDUITS HIGH AS POSSIBLE AGAINST STRUCTURE.
	CONDUIT UNDERGROUND, UNDERFLOOR, OR IN WALL
	DUPLEX RECEPTACLE, COMMERCIAL GRADE, 120 VOLT, 20A RATED, +18" A.F.F. TO CENTER OR HEIGHT AS INDICATED ON PLANS AND KITCHEN EQUIPMENT SCHEDULE. FOR CIRCUIT WITH TWO OR MORE DUPLEX RECEPTACLES, RECEPTACLES MAY BE 15A RATED. *GFI* INDICATES GROUND FAULT INTERRUPTER PROTECTION. *USB* INDICATES COMBINATION USB CHARGER (2 PORTS) AND DUPLEX OUTLET. *SW* INDICATES "SHOW WINDOW" RECEPTACLE. MOUNT IN CEILING OR 6" ABOVE WINDOW. *TV* INDICATES "TV" RECEPTACLE. COORDINATE LOCATION AND MOUNTING HEIGHT WITH OWNER/OPERATOR. *WP* INDICATES WEATHERPROOF. PROVIDE WITH "IN-USE" COVER.
	TWO DUPLEX RECEPTACLES IN A DOUBLE GANG BOX WITH A COMMON COVER PLATE.
	SPECIAL PURPOSE RECEPTACLE. PROVIDE VOLTAGE, AMP RATING, AND NUMBER OF WIRES AS NOTED ON DRAWINGS AND AS REQUIRED BY EQUIPMENT BEING SERVED.
	JUNCTION BOX, CEILING MOUNTED
	SINGLE POLE SWITCH, 20A, 120/277 VOLT, HEIGHT AS INDICATED ON PLANS.
	NON-FUSIBLE SAFETY SWITCH. AMP RATING AS INDICATED. *3R* INDICATES NEMA 3R ENCLOSURE.
	FUSED SAFETY SWITCH. PROVIDE FUSES AS REQUIRED PER EQUIPMENT NAMEPLATE *3R* INDICATES NEMA 3R ENCLOSURE.
	PANELBOARD, SURFACE OR RECESS MOUNTED, SEE SCHEDULE FOR DETAILS.
	DOOR BELL
	LOW VOLTAGE TRANSFORMER
	SIGNAL BELL
DEVICE COLOR / COVERPLATE COLOR:	
DEVICES IN KITCHEN SHALL BE WHITE WITH STAINLESS STEEL COVERPLATES.	
DEVICES IN DINING, HALL AND RESTROOMS SHALL BE BLACK WITH BLACK COVERPLATE OR COLOR TO MATCH EXISTING FINISHES.	

CONTRACTORS NOTES

- ELECTRICAL CONTRACTOR
- THE ELECTRICAL CONTRACTOR IS TO PROVIDE INTERLOCKING BETWEEN THE FRYERS, HOOD FANS, AND RTUS BLOWERS PER NFPA96 AND LOCAL CODES.
 - THE ELECTRICAL CONTRACTOR IS TO INSTALL LOW-VOLTAGE CONTROL WIRING FOR ALL AIR CONDITIONING CONTROLS.
 - THE ELECTRICAL CONTRACTOR IS TO FURNISH AND INSTALL DISCONNECTS FOR THE RTUS AND FANS, AND WIRE THE RESTROOM EXHAUST FAN TO RUN CONTINUOUSLY WHILE THE DINING ROOM LIGHTS ARE ON.
 - THE ELECTRICAL CONTRACTOR IS TO USE A MINIMUM OF 4'-6" SEALTITE FLEXIBLE CONDUIT WHEN WIRING KITCHEN HOOD EXHAUST FANS ON ROOF SO THAT FANS MAY BE REMOVED FROM CURBS AND PLACED ON ROOF FOR CLEANING EXHAUST DUCTWORK.
 - FOR EACH UNIT, THE ELECTRICAL CONTRACTOR IS TO PROVIDE ONE SINGLE-GANG RECEPTACLE FOR THE T-STAT, AND ONE DOUBLE-GANG RECEPTACLE FOR TEST STATION AND ANNUNCIATOR, WITH GREEN AND RED LIGHT INDICATORS. THE FIRE AND MECHANICAL INSPECTORS WILL DETERMINE SUITABLE LOCATION FOR TEST STATIONS, ANNUNCIATORS AND TEST STATION WILL BE LOOPED IN THE CIRCUITRY OF THE SMOKE DETECTION DEVICES. WIRING WILL BE INSTALLED BY ELECTRICAL CONTRACTOR. PROVIDE ADDITIONAL RECEPTACLE FOR RTU-2 HUMIDISTAT.

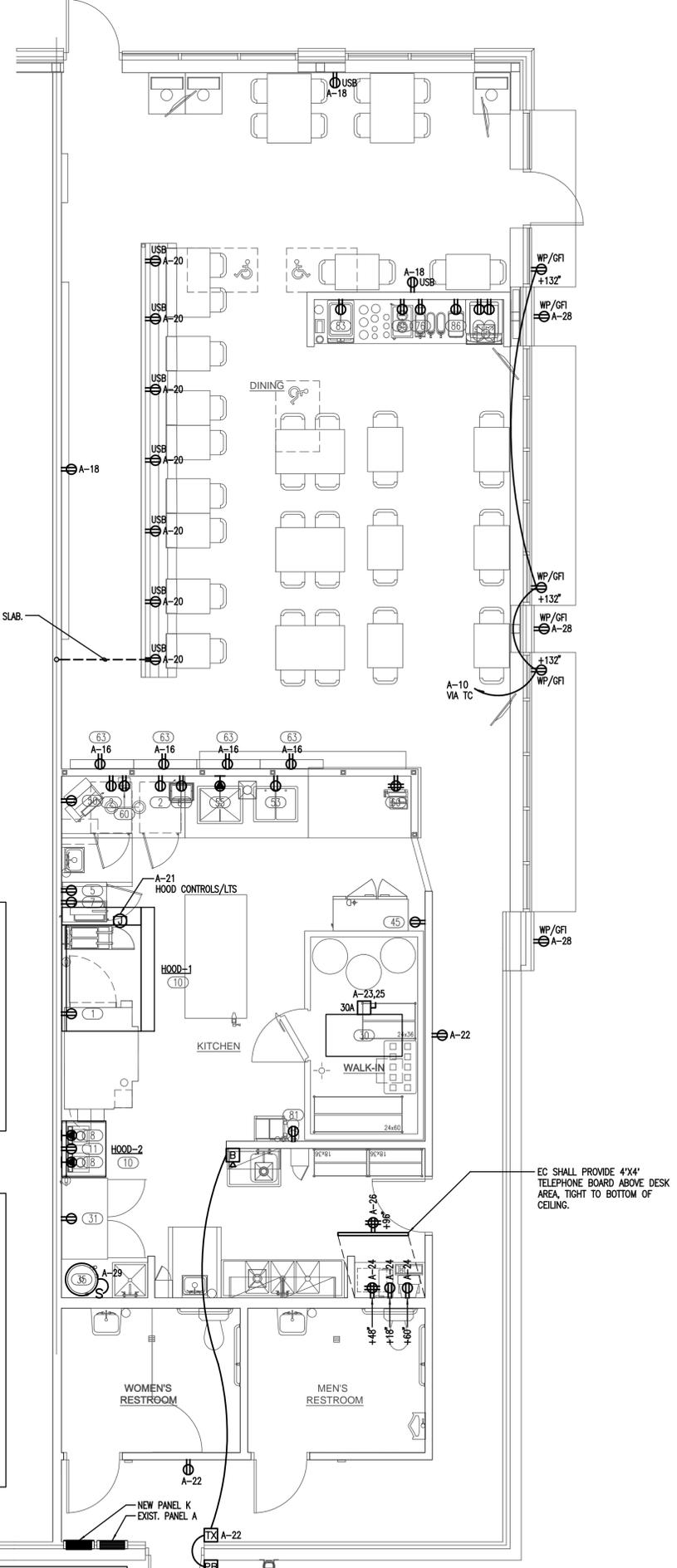
HOODS AND FANS INSTALLATION NOTE:

- EC SHALL REFER TO SHEETS M-1, M-2, M-3 & M-4 FOR HOODS AND FANS INSTALLATION DETAILS AND WIRING DIAGRAMS. EC IS RESPONSIBLE FOR ALL ELECTRICAL CONNECTIONS TO HOODS AND FANS. EC IS RESPONSIBLE FOR ALL INTERCONNECTION WIRING (INCLUDING LANDING) BETWEEN HOOD CONTROL PANEL AND FANS AND ACCESSORY ITEMS INCLUDING BUT NOT LIMITED TO:
- FIRE SYSTEM MICROSWITCHES
 - HOOD LIGHTS
 - INTERNET (CAT-5)
 - KITCHEN ROOM TEMPERATURE SENSOR
 - HOOD CAPTURE VOLUME SENSOR
 - EXTERNAL SHUNT TRIP BREAKERS
 - GAS SOLENOID VALVE
 - KITCHEN EQUIPMENT FIRE SYSTEM DRY CONTACT (TO DISABLE EQUIPMENT IF REQUIRED BY CODE)
- IF BUILDING FIRE ALARM SYSTEM IS PRESENT, IT MUST BE WIRED DIRECTLY TO THE ANSUL ALARM INITIATING SWITCH LOCATED IN THE ANSUL AUTOMAN.

FAILURE BY THE ELECTRICIAN TO MAKE ALL REQUIRED ELECTRICAL CONNECTIONS AND INTERCONNECTIONS WILL RESULT IN THE ELECTRICAL CONTROLS NOT WORKING PROPERLY. ANY LOSS OR FAILED TEST AS A RESULT OF ELECTRICAL CONTROLS NOT WORKING PROPERLY IS THE RESPONSIBILITY OF THE ELECTRICIAN.

LIGHT BULBS FOR KITCHEN HOODS TO BE PROVIDED AND INSTALLED BY ELECTRICIAN.

GFI RECEPTACLE NOTE:
ALL 125 VOLT 15 AND 20 AMP RECEPTACLES IN KITCHEN AND SELF-SERVICE AREAS SHALL BE GFI PROTECTED.
ALL RECEPTACLES WITHIN 6' OF A WATER SOURCE SHALL BE GFCI PROTECTED.



1 ELECTRICAL POWER PLAN
E2.1 1/4"=1'-0"

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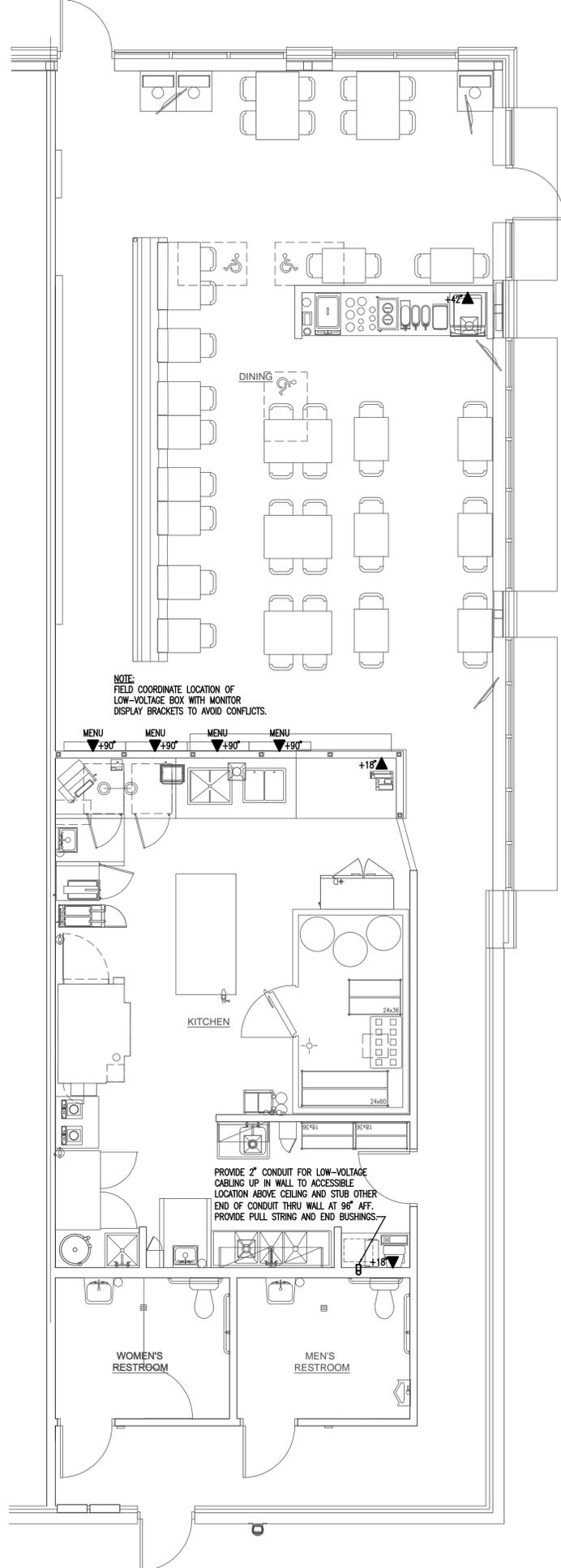
ELECTRICAL POWER PLAN

E2.1

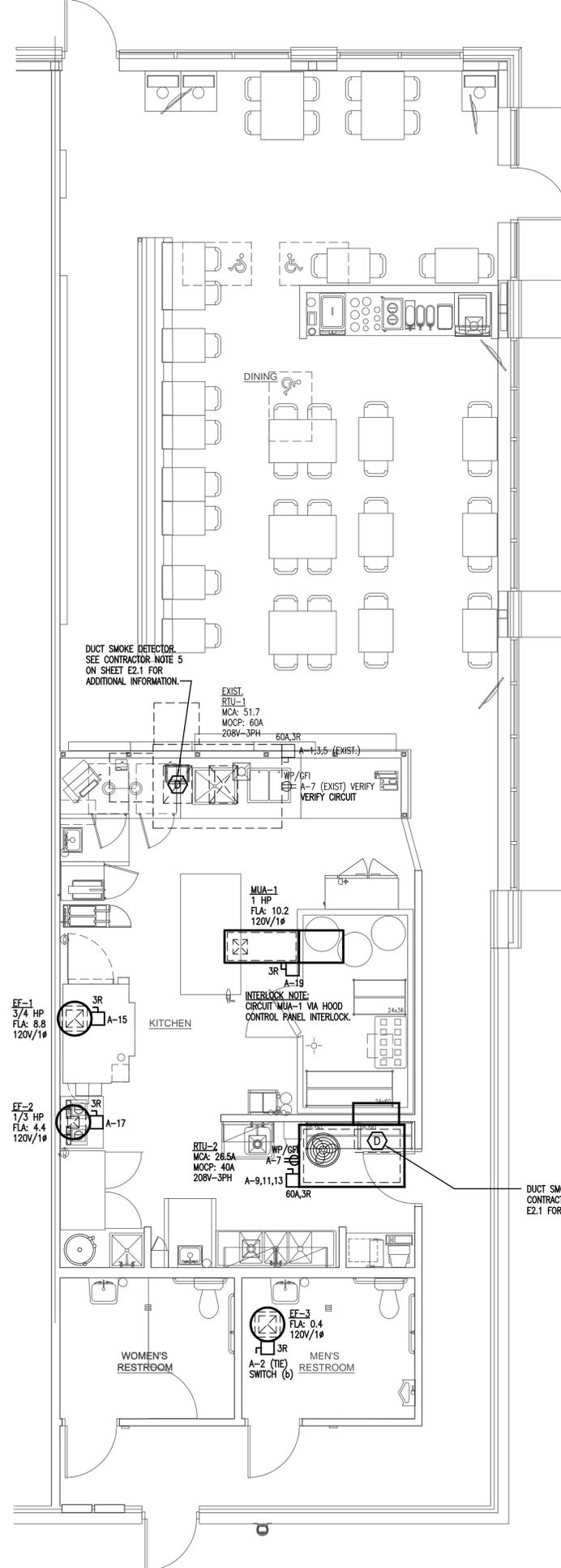
ELECTRICAL DATA SYMBOL LEGEND



LOW-VOLTAGE OUTLET, SINGLE GANG JUNCTION BOX IN WALL WITH 3/4" CONDUIT TO ACCESSIBLE LOCATION ABOVE CEILING (EXCEPT PROVIDE 1-1/4" CONDUIT FOR MENU LOW-VOLTAGE OUTLET). PROVIDE PULL STRING, END BUSHING AND BLANK COVER PLATE. MOUNT AT HEIGHT AS INDICATED ON PLANS. OWNER/OPERATOR SHALL PROVIDE CABLING, OUTLETS AND FINAL FACE PLATE.



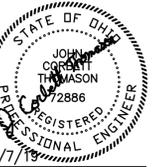
2 ELECTRICAL DATA PLAN
E2.2 1/4"=1'-0"



1 ELECTRICAL ROOF PLAN
E2.2 1/4"=1'-0"

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ELECTRICAL ROOF PLAN & DATA PLAN

E2.2