

**Dickey's Barbecue Restaurants, Inc.**  
 Alison Barnhill  
 4514 Cole Avenue, Suite 1015  
 Dallas, TX 75205  
 972.248.9899 ext. 768  
 abarnhill@stanfordsonoma.com

**Owner**  
 Cynthia D. Yorio  
 724.710.9323  
 cindyyorio@icloud.com



# RETAIL STORE

Store No: PA-1998  
 Routes 21 & 79  
 Greene Plaza 15730  
 Waynesburg, PA

100% CD SET 10/29/21

**Architect**  
**PLUSone DESIGN & CONSTRUCTION**  
 FRITZ EMBAUGH  
 P.O. BOX 40232  
 BATON ROUGE, LA 70835  
 PHONE: (225) 383-0664  
 FAX: (866)-799-0268  
 IN CONJUNCTION WITH KDW, P.S.



10/29/2021

**Elec & Plumbing ENGINEERS**

**SALAS O'BRIEN**  
**DAVID BONAVENTURE**  
 2380 TOWNE CENTER BLVD.  
 SUITE 1210  
 BATON ROUGE, LA 70806  
 PHONE: (225) 766-8002

**Mech ENGINEERS**

**NCA CONSULTANTS**  
**KEITH MCKEEHAN**  
 6510 N 125th AVENUE  
 LARGO, FL 33773  
 PHONE: (727) 530-0078

ABBREVIATIONS	SYMBOLS	SHEET INDEX & SCOPE OF WORK	MAP	DICKEY'S																																																																																																																																																																																																																																										
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RESTROOMS ARE EXISTING AND WILL ONLY GET FIXTURE/FINISH UPDATES. SIGNAGE TO BE UNDER SEPERATE PERMIT APPLICATION. NO EXTERIOR WORK.</b></p>		
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GENERAL NOTES	OVEN DELIVERY
<ol style="list-style-type: none"> <li>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.</li> <li>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with the most current drawings, specifications and standards as modified by the Architect/Engineer--do not use outdated drawings.</li> <li>An approved set of plans shall be maintained on the job site at all times.</li> <li>All construction shall be 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.</li> <li>All construction shall conform to the applicable codes and authority requirements.</li> <li>Provide partial lien waivers with any request for payment and final waivers at completion of the work and Certificate of Occupancy</li> <li>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"> <li>Demolition and space preparation--schedule utility services if required</li> <li>Underground utilities, testing, inspection, photograph</li> <li>Rough-in, keep the floors clear and unobstructed for all trades requiring ladders and scaffolding</li> <li>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</li> <li>Install flooring under ovens and any flooring that extends under the walk in walls</li> <li>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</li> <li>Install finishes</li> <li>Set fixtures, equipment, furnishing, signage and install trim</li> <li>Schedule final inspections in the proper order and obtain the Certificate of Occupancy</li> </ol> </li> <li>The contractor shall visit the site prior to contract bidding and familiarize himself with any conditions relevant to the successful construction of the store.</li> <li>The General contractor shall provide fire extinguisher in the locations and quantities and directed by the Fire Marshall but shall provide at least one.</li> <li>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</li> <li>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 603 FOR A TOTAL OF 2400#</li> <li>Oven and hood to be set before counters</li> <li>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.</li> <li>Seal all tile joints with penetrating silicone sealant in two applications after the grout has been allowed to fully cure</li> <li>Seal small joints with flush clear silicone caulk.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>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:</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>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 (SFI) member and follow the guidelines and instructions set forth by SFI.</li> <li>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.</li> <li>Conform to manufacturer's installation instructions and provide all warranties.</li> <li>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.</li> <li>Dimensions are to face of finish unless clearly shown otherwise.</li> <li>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.</li> <li>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</li> <li>Lighting package for entire store is provided by CED National Accounts. Dining room chandelier provided by Stanford Sonoma. GC to install only.</li> <li>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.</li> </ol>	<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 03 300 CAST-IN-PLACE CONCRETE

##### MATERIALS

4000 PSI  
EXECUTION: Install concrete smooth and flush to receive floor finishes. Install 2" angles at 48" OC both sides of trench cuts. Fix low spots with leveler and grind off high spots so no telegraphing of trenches is evident.

#### SECTION 04 215 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.  
Staple or Nail: Concrete nail at maximum 12 inches on center.  
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 loosening 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 foot (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 06 410 ARCHITECTURAL WOOD CASEWORK

##### MANUFACTURERS

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

##### MATERIALS

Lumber:  
Graded in accordance with AWIA/WMAC/WI 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 #7500K-18 "Studio Teak" Linearly 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: AWIA/WMAC/WI Architectural Woodwork Standards, Section 11, Premium Grade.  
Fabricate from sheet product with lumber finish.  
Provide holes and cutouts for mounting of accessories.  
Shop assembly for delivery to project site in units easily handled. Prior to fabrication, field verify dimensions to ensure correct fit. Apply plastic laminate in full uninterupted sheets; fit corners and joints to hairline. Slightly bevel arises. Apply laminate backing sheet to reverse side of laminate faced surfaces. Where field fitting is required, provide ample allowance for cutting. Provide trim for scribing and site conditions.  
Provide cutouts and reinforcement for plumbing, electrical, appliances, and accessories. Prime paint surfaces of cut edges

##### EXECUTION

INSTALLATION  
Install in accordance with AWIA/WMAC/WI Architectural Woodwork Standards. Set plumb, rigid and level. Scribe to adjacent construction with maximum 1/8 inch gaps. 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. Knape & Vogt No. 180-12, and Knape & 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 Knape & Vogt No. 204 steel brackets, anochrome finish, and length as shown on the Drawings.

#### SECTION 07 210 BATT INSULATION

##### MATERIALS

Thermal Batt Insulation:  
Type: ASTM C665, glass fiber composition.  
Facing: Reinforced Kraft paper vapor barrier on one side with stapling flanges or aluminum foil/scrim/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.  
3-5/8 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

Primer, 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 subjected 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

##### EXECUTION

Clean adjacent surfaces.

##### MATERIALS

Thermal Batt Insulation:  
Type: ASTM C665, glass fiber composition.  
Facing: Reinforced Kraft paper vapor barrier on one side with stapling flanges or aluminum foil/scrim/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.  
3-5/8 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

Primer, 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 subjected 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

##### EXECUTION

Clean adjacent surfaces.

#### SECTION 08 100 DOOR HARDWARE

##### MANUFACTURERS—Order through National Account INSTALLATION

Install hardware in accordance with approved hardware schedule and manufacturer's instructions. Install mortise lugs 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 an exterior of building.  
PROTECTION Remove or protect hardware until painting is completed.  
ADJUSTING Test and adjust hardware for quiet, smooth operation, free from binding and rattling.  
Adjust doors to operate with maximum opening forces in accordance with applicable accessibility code.

##### HARDWARE SCHEDULE

Set No. 1 - Storefront doors. Clean and adjust doors and hardware—change out cylinder and match keying to back door. Furnish 10 keys to owner. Hardware to match existing.  
o 1-1/2 pair butts  
o 1 Cylinder  
o 1 latchset PANIC HANDLE  
o 1 closer

Set 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 closer

Set No. 3 - Door to Exterior. Metal door and frame. (Clean and repair and adjust this door to like new condition and order replacement or added hardware as required from national account or furnish locally. Replace glass in the end to project keyed 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 WTS US26D if required  
o 1 closer, Hager S100 PA 1-8 HDHOS ALM if required  
o 1 threshold, Hager 4133 US26D ALM if required  
o 1 sweep, Hager 802S B MI if required  
o 1 holder/stop, Hager 268S US26D if required  
o 1 set w/striping, Hager 800S B MIL if required  
o 1 lock guard, Hager 3410 32D if required  
o 1 lock guard, Hager 3410 32D if required

Set No. 4 - Kitchen or Storage Door (May not be required. 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 closer  
o 2 Kick Plates (Kitchen door only)

#### SECTION 09 200 GYPSUM BOARD

Gypsum Association (GA) ([www.gypsum.org](http://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](http://www.gp.com))  
National Gypsum Co. ([www.nationalgypsum.com](http://www.nationalgypsum.com))  
Temple-Inland. ([www.templeinland.com](http://www.templeinland.com))  
USG Corporation. ([www.usg.com](http://www.usg.com))  
Acceptable Manufacturers - Cementitious Panels:  
USG Corporation. ([www.usg.com](http://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.  
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.  
Hanger Wire:  
ASTM B641, minimum 12 gage galvanized steel.  
Touch-Up Paint: Color to match acoustical panels and suspension grid.

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.2.

PROJECT CONDITIONS

MANUFACTURERS  
Acceptable Manufacturers - Suspension System:  
Armstrong World Industries  
USG Corporation ([www.usg.com](http://www.usg.com))  
USG Corporation - Acoustical Units:  
Armstrong World Industries  
USG Corporation ([www.usg.com](http://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.  
Hanger Wire:  
ASTM B641, minimum 12 gage galvanized steel.  
Touch-Up Paint: Color to match acoustical panels and suspension grid.

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.2.

PROJECT CONDITIONS

MANUFACTURERS  
Acceptable Manufacturers - Suspension System:  
Armstrong World Industries  
USG Corporation ([www.usg.com](http://www.usg.com))  
USG Corporation - Acoustical Units:  
Armstrong World Industries  
USG Corporation ([www.usg.com](http://www.usg.com))  
Substitutions: Not permitted.  
MATERIALS  
Suspension Grid System:  
Grid type: Exposed T.  
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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.  
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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.  
Hanger Wire:  
ASTM B641, minimum 12 gage galvanized steel.  
Touch-Up Paint: Color to match acoustical panels and suspension grid.

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.2.

PROJECT CONDITIONS

MANUFACTURERS  
Acceptable Manufacturers - Suspension System:  
Armstrong World Industries  
USG Corporation ([www.usg.com](http://www.usg.com))  
USG Corporation - Acoustical Units:  
Armstrong World Industries  
USG Corporation ([www.usg.com](http://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.  
Hanger Wire:  
ASTM B641, minimum 12 gage galvanized steel.  
Touch-Up Paint: Color to match acoustical panels and suspension grid.

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.2.

PROJECT CONDITIONS

MANUFACTURERS  
Acceptable Manufacturers - Suspension System:  
Armstrong World Industries  
USG Corporation ([www.usg.com](http://www.usg.com))  
USG Corporation - Acoustical Units:  
Armstrong World Industries  
USG Corporation ([www.usg.com](http://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.  
Hanger Wire:  
ASTM B641, minimum 12 gage galvanized steel.  
Touch-Up Paint: Color to match acoustical panels and suspension grid.

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.2.

PROJECT CONDITIONS

MANUFACTURERS  
Acceptable Manufacturers - Suspension System:  
Armstrong World Industries  
USG Corporation ([www.usg.com](http://www.usg.com))  
USG Corporation - Acoustical Units:  
Armstrong World Industries  
USG Corporation ([www.usg.com](http://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.  
Hanger Wire:  
ASTM B641, minimum 12 gage galvanized steel.  
Touch-Up Paint: Color to match acoustical panels and suspension grid.

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.2.

PROJECT CONDITIONS

MANUFACTURERS  
Acceptable Manufacturers - Suspension System:  
Armstrong World Industries  
USG Corporation ([www.usg.com](http://www.usg.com))  
USG Corporation - Acoustical Units:  
Armstrong World Industries  
USG Corporation ([www.usg.com](http://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  
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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.  
Hanger Wire:  
ASTM B641, minimum 12 gage galvanized steel.  
Touch-Up Paint: Color to match acoustical panels and suspension grid.

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.2.

PROJECT CONDITIONS

plac 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 related hangers to span extra 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.  
Cutting Acoustic Units:  
Cut to fit irregular grid and perimeter edge trim and around penetrations. Locate cuts to be concealed.  
Cut and field paint 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.

#### SECTION 09 615 RESILIENT FLOOR TILING

MATERIALS  
See schedule  
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 executed by the manufacturer, agreeing to repair or replace resilient flooring that fails within the warranty period. Maintain a minimum temperature in the spaces to receive the flooring and accessories of 65°F (18°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. Thereafter, maintain a minimum temperature of 50°F (10°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 cart 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 are sufficiently dry, 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 as 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. 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 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 1.06. Install flooring wall to wall before the installation of floor set cabinets, casework, furniture, equipment, movable partitions, etc. Extend flooring into toe spaces, door recesses, closets, and similar openings as shown on the drawings. Scribe, 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 technique, 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 milled 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 cove 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 [butt-type] [overlap] 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 installation and 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 09 733 SANITARY WALL PANELS

MANUFACTURERS  
Acceptable Manufacturers:  
Crane Composites. ([www.crane-composites.com](http://www.crane-composites.com))  
Marlite. ([www.marlite.com](http://www.marlite.com))  
Substitutions: Not permitted.  
MATERIALS  
Sanitary Wall Panels:  
Type: Glass fiber reinforced plastic, USDA approved for incidental food contact.  
Size: 3/32 inch thick x 48 inches wide x maximum practical length.  
Color: White.  
Surface texture: Low gloss, pebbled.  
ACCESSORIES  
Trim:  
One piece extruded PVC, manufacturer's standard profile.  
Inside and outside corners, division bar, and J-molding.  
Color: To match panels.  
Grane Composites: ([www.crane-composites.com](http://www.crane-composites.com))  
Trim:  
One piece extruded PVC, manufacturer's standard profile.  
Inside and outside corners, division bar, and J-molding.  
Color: To match panels.  
Grane Composites: ([www.crane-composites.com](http://www.crane-composites.com))  
Trim:  
One piece extruded PVC, manufacturer's standard profile.  
Inside and outside corners, division bar, and J-molding.  
Color: To match panels.  
Grane Composites: ([www.crane-composites.com](http://www.crane-composites.com))  
Trim:  
One piece extruded PVC, manufacturer's standard profile.  
Inside and outside corners, division bar, and J-molding.  
Color: To match panels.  
Grane Composites: ([www.crane-composites.com](http://www.crane-composites.com))  
Trim:  
One piece extruded PVC, manufacturer's standard profile.  
Inside and outside corners, division bar, and J-molding.  
Color: To match panels.  
Grane Composites: ([www.crane-composites.com](http://www.crane-composites.com))  
Trim:  
One piece extruded PVC, manufacturer's standard profile.  
Inside and outside corners, division bar, and J-molding.  
Color: To match panels.  
Grane Composites: ([www.crane-composites.com](http://www.crane-composites.com))  
Trim:  
One piece extruded PVC, manufacturer's standard profile.  
Inside and outside corners, division bar, and J-molding.  
Color: To match panels.  
Grane Composites: ([www.crane-composites.com](http://www.crane-composites.com))  
Trim:  
One piece extruded PVC, manufacturer's

302 Floor or Ground Surfaces

302.2 Carpet. Carpet or carpet tile shall be securely attached and shall have a firm cushion, pad, or backing or no cushion or pad. Carpet or carpet tile shall have a level loop, textured loop, level cut pile, or level cut/uncut pile texture. Pile height shall be 1/2 inch (13 mm) maximum. Exposed edges of carpet shall be fastened to floor surfaces and shall have trim on the entire length of the exposed exposed edge. Carpet edge trim shall comply with 303.

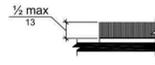


Figure 302.2 Carpet Pile Height

302.3 Openings. Openings in floor or ground surfaces shall not allow passage of a sphere more than 1/2 inch (13 mm) diameter except as allowed in 407.4.3, 409.4.3, 410.4, 810.5.3 and 810.10. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel.

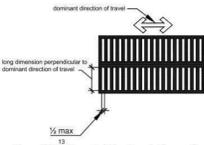


Figure 302.3 Elongated Openings in Floor or Ground Surfaces

302.3 Vertical. Changes in level of 1/4 inch (6.4 mm) high maximum shall be permitted to be vertical.

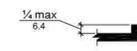


Figure 302.2 Vertical Change in Level

302.3 Beveled. Changes in level between 1/4 inch (6.4 mm) high minimum and 1/2 inch (13 mm) high maximum shall be beveled with a slope not steeper than 1:2.



Figure 302.3 Beveled Change in Level

304 Turning Space

304.3.1 Circular Space. The turning space shall be a space of 60 inches (1525 mm) diameter minimum. The space shall be permitted to include knee and toe clearance complying with 306.

304.3.2 T-Shaped Space. The turning space shall be a T-shaped space within a 60 inch (1525 mm) square minimum with arms and base 36 inches (915 mm) wide minimum. Each arm of the T shall be clear of obstructions 12 inches (305 mm) minimum in each direction and the base shall be clear of obstructions 24 inches (610 mm) minimum. The space shall be permitted to include knee and toe clearance complying with 306 only at the end of either the base or one arm.

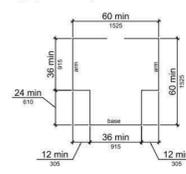


Figure 304.3.2 T-Shaped Turning Space

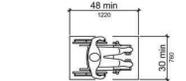


Figure 305.3 Clear Floor or Ground Space

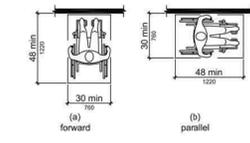


Figure 305.5 Position of Clear Floor or Ground Space

305.7.1 Forward Approach. Alcoves shall be 36 inches (915 mm) wide minimum where the depth exceeds 24 inches (610 mm).

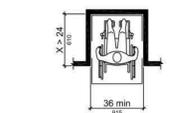


Figure 305.7.1 Forward Approach

305.7.2 Parallel Approach. Alcoves shall be 60 inches (1525 mm) wide minimum where the depth exceeds 15 inches (380 mm).

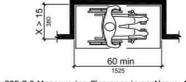


Figure 305.7.2 Parallel Approach

306 Knee and Toe Clearance

306.2 Toe Clearance.

306.2.1 General. Space under an element between the finish floor or ground and 9 inches (230 mm) above the finish floor or ground shall be considered toe clearance and shall comply with 306.2.

306.2.2 Maximum Depth. Toe clearance shall extend 25 inches (635 mm) maximum under an element.

306.2.3 Minimum Required Depth. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17 inches (430 mm) minimum under the element.

306.2.4 Additional Clearance. Space extending greater than 6 inches (150 mm) beyond the available knee clearance at 9 inches (230 mm) above the finish floor or ground shall not be considered toe clearance.

306.2.5 Width. Toe clearance shall be 30 inches (760 mm) wide minimum.

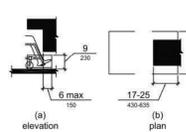


Figure 306.2 Toe Clearance

306.3 Knee Clearance.

306.3.1 General. Space under an element between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground shall be considered knee clearance and shall comply with 306.3.

306.3.2 Maximum Depth. Knee clearance shall extend 25 inches (635 mm) maximum under an element at 9 inches (230 mm) above the finish floor or ground.

306.3.3 Minimum Required Depth. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11 inches (280 mm) deep minimum at 9 inches (230 mm) above the finish floor or ground, and 8 inches (203 mm) deep minimum at 27 inches (685 mm) above the finish floor or ground.

306.3.4 Clearance Reduction. Between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of 1 inch (25 mm) in depth for each 6 inches (150 mm) in height.

306.3.5 Width. Knee clearance shall be 30 inches (760 mm) wide minimum.

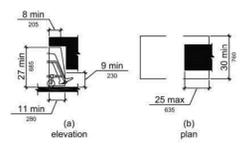


Figure 306.3 Knee Clearance

307 Protruding Objects

307.2 Protrusion Limits. Objects with leading edges more than 27 inches (685 mm) and not more than 80 inches (2030 mm) above the finish floor or ground shall protrude 4 inches (100 mm) maximum horizontally into the circulation path.

EXCEPTION: Handrails shall be permitted to protrude 4 1/2 inches (115 mm) maximum.

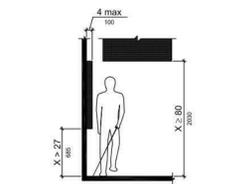


Figure 307.2 Limits of Protruding Objects

307.3 Post-Mounted Objects. Free-standing objects mounted on posts or pylons shall overhang circulation paths 12 inches (305 mm) maximum when located 27 inches (685 mm) minimum and 80 inches (2030 mm) maximum above the finish floor or ground. Where a sign or other obstruction is mounted between posts or pylons and the clear distance between the posts or pylons is greater than 12 inches (305 mm), the lowest edge of such sign or obstruction shall be 27 inches (685 mm) maximum or 80 inches (2030 mm) minimum above the finish floor or ground.

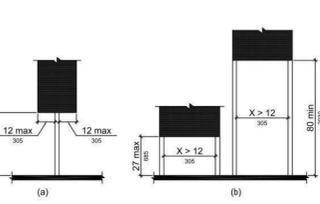


Figure 307.3 Post-Mounted Objects

307.4 Vertical Clearance. Vertical clearance shall be 80 inches (2030 mm) high minimum. Guardrails or other barriers shall be provided where the vertical clearance is less than 80 inches (2030 mm) high. The leading edge of such guardrail or barrier shall be located 27 inches (685 mm) maximum above the finish floor or ground.

EXCEPTION: Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground.

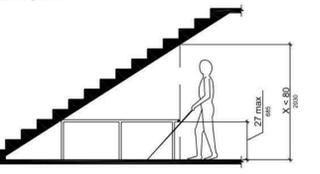


Figure 307.4 Vertical Clearance

308 Reach Ranges

Forward or Side Reach	High (maximum)	Low (minimum)
Ages 5 and 4	20 in (510 mm)	20 in (510 mm)
Ages 5 through 8	36 in (915 mm)	18 in (455 mm)
Ages 9 through 12	44 in (1120 mm)	16 in (405 mm)

308.2 Forward Reach.

308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the finish floor or ground.

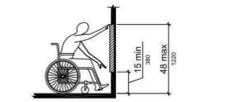


Figure 308.2.1 Unobstructed Forward Reach

308.2.2 Obstructed High Reach. Where a high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48 inches (1220 mm) maximum where the reach depth is 20 inches (510 mm) maximum. Where the reach depth exceeds 20 inches (510 mm), the high forward reach shall be 44 inches (1120 mm) maximum and the reach depth shall be 25 inches (635 mm) maximum.

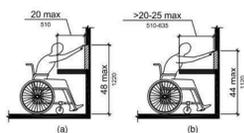


Figure 308.2.2 Obstructed High Forward Reach



Figure 308.3.1 Unobstructed Side Reach

308.3 Side Reach.

308.3.1 Unobstructed. Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48 inches (1220 mm) maximum and the low side reach shall be 15 inches (380 mm) minimum above the finish floor or ground.

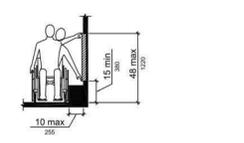


Figure 308.3.1 Unobstructed Side Reach

308.3.2 Obstructed High Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 46 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

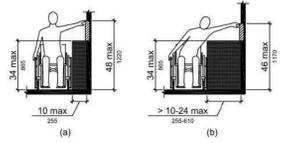


Figure 308.3.2 Obstructed High Side Reach

309 Operable Parts

309.2 Clear Floor Space. A clear floor or ground space complying with 305 shall be provided.

309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in 308.

309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) maximum.

CHAPTER 4: ACCESSIBLE ROUTES

402.2 Components. Accessible routes shall consist of one or more of the following components: walking surfaces with a running slope not steeper than 1:20, doorways, ramps, curbs ramps excluding the flared sides, elevators, and platform lifts. All components of an accessible route shall comply with the applicable requirements of Chapter 4.

Advisory 402.2 Components. Walking surfaces must have running slopes not steeper than 1:20, see 403.3. Other components of accessible routes, such as ramps (405) and curbs ramps (406), are permitted to be more steeply sloped.

403 Walking Surfaces

403.1 General. Walking surfaces that are a part of an accessible route shall comply with 403.

403.2 Floor or Ground Surface. Floor or ground surfaces shall comply with 302.

403.3 Slope. The running slope of walking surfaces shall not be steeper than 1:20. The cross slope of walking surfaces shall not be steeper than 1:48.

403.4 Changes in Level. Changes in level shall comply with 303.

403.5 Clearances. Walking surfaces shall provide clearances complying with 403.5.

EXCEPTION: Within employee work areas, clearances on common use circulation paths shall be permitted to be decreased by work area equipment provided that the decrease is essential to the function of the work being performed.

403.5.1 Clear Width. Except as provided in 403.5.2 and 403.5.3, the clear width of walking surfaces shall be 36 inches (915 mm) minimum.

EXCEPTION: The clear width shall be permitted to be reduced to 32 inches (815 mm) minimum for a length of 24 inches (610 mm) maximum provided that reduced width segments are separated by segments that are 48 inches (1220 mm) long minimum and 36 inches (915 mm) wide minimum.

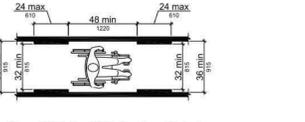


Figure 403.5.1 Clear Width of an Accessible Route

403.5.2 Clear Width at Turn. Where the accessible route makes a 180 degree turn around an element which is less than 48 inches (1220 mm) wide, clear width shall be 42 inches (1065 mm) minimum approaching the turn, 48 inches (1220 mm) minimum at the turn and 42 inches (1065 mm) minimum leaving the turn.

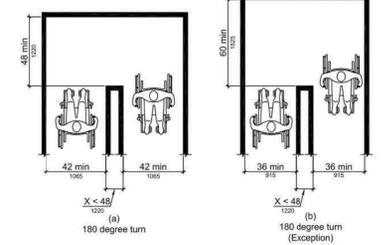


Figure 403.5.2 Clear Width at Turn

403.5.3 Passing Spaces. An accessible route with a clear width less than 60 inches (1525 mm) shall provide passing spaces at intervals of 200 feet (61 m) maximum.

404 Doors, Doorways, and Gates

404.2.3 Clear Width. Door openings shall provide a clear width of 32 inches (815 mm) minimum. Clear openings of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees. Openings more than 24 inches (610 mm) deep shall provide a clear opening of 36 inches (915 mm) minimum. There shall be no projections into the required clear opening width lower than 34 inches (865 mm) above the finish floor or ground. Projections into the clear opening width between 34 inches (865 mm) and 80 inches (2030 mm) above the finish floor or ground shall not exceed 4 inches (100 mm).

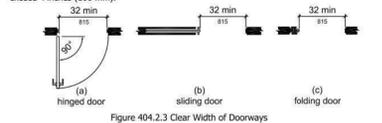


Figure 404.2.3 Clear Width of Doorways

404.2.4 Maneuvering Clearances. Minimum maneuvering clearances at doors and gates shall comply with 404.2.4. Maneuvering clearances shall extend the full width of the doorway and the required latch side or hinge side clearance.



Figure 404.2.4 Maneuvering Clearances

404.2.4.3 Recessed Doors and Gates. Maneuvering clearances for forward approach shall be provided when any obstruction within 18 inches (455 mm) of the latch side of a doorway projects more than 8 inches (205 mm) beyond the face of the door, measured perpendicular to the face of the door or gate.

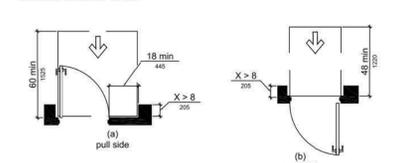


Figure 404.2.4.3 Recessed Doors and Gates

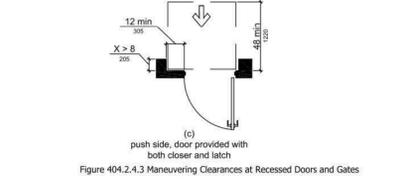


Figure 404.2.4.3 Maneuvering Clearances at Recessed Doors and Gates

404.2.6 Doors in Series and Gates in Series. The distance between two hinged or pivoted doors in series and gates in series shall be 48 inches (1220 mm) minimum plus the width of doors or gates swinging into the space.

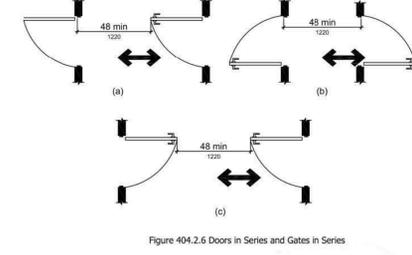


Figure 404.2.6 Doors in Series and Gates in Series

404.2.7 Door and Gate Hardware. Handles, pulls, latches, locks, and other operable parts on doors and gates shall comply with 309.4. Operable parts of such hardware shall be 34 inches (865 mm) minimum and 44 inches (1120 mm) maximum above the finish floor or ground. Where sliding doors are in the fully open position, operating hardware shall be exposed and usable from both sides.

404.2.8.1 Door Closers and Gate Closers. Door closers and gate closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 seconds minimum.

404.2.8.2 Spring Hinges. Door and gate spring hinges shall be adjusted so that from the open position of 70 degrees, the door or gate shall move to the closed position in 1.5 seconds minimum.

404.2.9 Door and Gate Opening Force. Fire doors shall have a minimum opening force allowed by the applicable administrative authority. The force for pushing or pulling open a door or gate other than fire doors shall be as follows:

1. Interior hinged doors and gates: 5 pounds (22.2 N) maximum.
2. Sliding or folding doors: 5 pounds (22.2 N) maximum.

These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position.

404.2.10 Door and Gate Surfaces. Swinging door and gate surfaces within 10 inches (255 mm) of the finish floor or ground measured vertically shall have a smooth surface on the push side extending the full width of the door or gate. Parts creating horizontal or vertical joints in these surfaces shall be within 1/16 inch (1.6 mm) of the same plane as the other. Cavities created by added kick plates shall be capped.

404.2.11 Vision Lights. Doors, gates, and side lights adjacent to doors or gates, containing one or more glazing panels that permit viewing through the panels shall have the bottom of at least one glazed panel located 43 inches (1090 mm) maximum above the finish floor.

404.3 Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.3. Full-powered automatic doors shall comply with ANSI/BHMA A156.10 (incorporated by reference, see "Referenced Standards" in Chapter 1). Low-energy and power-assisted doors shall comply with ANSI/BHMA A156.19 (1997 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).

404.3.2 Maneuvering Clearance. Clearances at power-assisted doors and gates shall comply with 404.2.4. Clearances at automatic doors and gates without standby power and serving an accessible means of egress shall comply with 404.2.4.

404.3.7 Revolving Doors, Revolving Gates, and Turnstiles. Revolving doors, revolving gates, and turnstiles shall not be part of an accessible route.

405 Ramps

405.2 Slope. Ramp runs shall have a running slope not steeper than 1:12.

405.3 Cross Slope. Cross slope of ramp runs shall not be steeper than 1:48.

405.5 Clear Width. The clear width of a ramp run and, where handrails are provided, the clear width between handrails shall be 36 inches (915 mm) minimum.

405.6 Rise. The rise for any ramp run shall be 30 inches (760 mm) maximum.

405.7 Landings. Ramps shall have landings at the top and the bottom of each ramp run. Landings shall comply with 405.7.

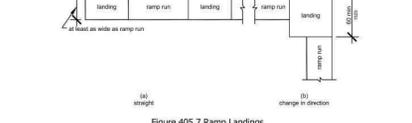


Figure 405.7 Ramp Landings

405.7.1 Slope. Landings shall have slope no steeper than 1:48. Changes in level are not permitted.

405.7.2 Width. The landing clear width shall be at least as wide as the widest ramp run leading to the landing.

405.7.3 Length. The landing clear length shall be 60 inches (1525 mm) long minimum.

405.7.4 Change in Direction. Ramps that change direction through ramps at landings shall have a clear landing 60 inches (1525 mm) minimum by 60 inches (1525 mm) minimum.

405.7.5 Doorways. Where doorways are located adjacent to a ramp landing, maneuvering clearances required by 404.2.4 and 404.3.2 shall be permitted to overlap the required landing clearances.

405.8 Handrails. Ramp runs with a rise greater than 6 inches (150 mm) shall have handrails complying with 505.

405.9 Edge Protection. Edge protection complying with 405.9.1 or 405.9.2 shall be provided on each side of ramp runs and at each side of ramp landings.

405.9.1 Extended Floor or Ground Surface. The floor or ground surface of the ramp run or landing shall extend 12 inches (305 mm) minimum beyond the inside face of a handrail complying with 505.

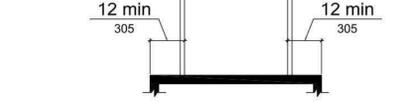


Figure 405.9.1 Extended Floor or Ground Surface

405.9.2 Curb or Barrier. A curb or barrier shall be provided that prevents the passage of a 4 inch (100 mm) diameter sphere, where any portion of the sphere is within 4 inches (100 mm) of the finish floor or ground surface.

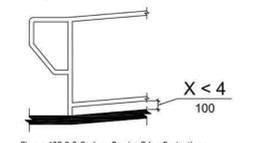


Figure 405.9.2 Curb or Barrier Edge Protection

406 Curb Ramps

406.1 General. Curb ramps on accessible routes shall comply with 406, 405.2 through 405.5, and 405.10.

406.2 Counter Slope. Slope slopes of adjoining gutters and road surfaces immediately adjacent to the curb ramp shall not be steeper than 1:20. The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level.

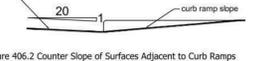


Figure 406.2 Counter Slope of Surfaces Adjacent to Curb Ramps

406.3 Sides of Curb Ramps. Where provided, curb ramp flares shall not be steeper than 1:10.

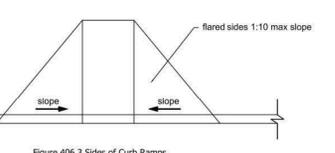


Figure 406.3 Sides of Curb Ramps

406.4 Landings. Landings shall be provided at the tops of curb ramps. The landing clear length shall be 36 inches (915 mm) minimum. The landing clear width shall be at least as wide as the curb ramp, excluding flared sides, leading to the landing.

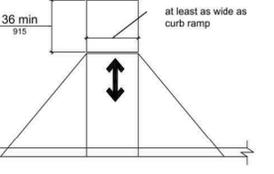


Figure 406.4 Landings at the Top of Curb Ramps

406.5 Location. Curb ramps and the flared sides of curb ramps shall be located so that they do not project into vehicular traffic lanes, parking spaces, or parking access aisles. Curb ramps at marked crossings shall be wholly contained within the markings, excluding any flared sides.

406.6 Diagonal Curb Ramps. Diagonal or corner type curb ramps with returned curbs or other well-defined edges shall have the edges parallel to the direction of pedestrian flow. The bottom of diagonal curb ramps shall have a clear space 48 inches (1220 mm) minimum outside active traffic lanes of the roadway. Diagonal curb ramps provided at marked crossings shall provide the 48 inches (1220 mm) minimum clear space within the markings. Diagonal curb ramps with

504 Stairways  
 504.1 General. Stairs that are part of the means of egress is required to comply with 504  
 504.2 Treads and Risers. All steps on a flight of stairs shall have uniform riser heights and uniform tread depths. Rises shall be 4 inches (100 mm) high minimum and 7 inches (180 mm) high maximum. Treads shall be 11 inches (280 mm) deep minimum.  
 504.3 Open Risers. Open risers are not permitted.  
 504.4 Tread Surface. Stair treads shall comply with 302. Changes in level are not permitted.  
 504.5 Nosings. The radius of curvature at the leading edge of the tread shall be 1/2 inch (13 mm) maximum. Nosings that project beyond risers shall have the underside of the leading edge curved or beveled. Risers shall be permitted to have an angle of 30 degrees maximum from vertical. The permitted projection of the nosing shall extend 1 1/2 inches (38 mm) maximum over the tread below.

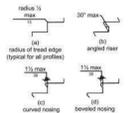


Figure 504.5 Stair Nosings

504.6 Handrails. Stairs shall have handrails complying with 505.  
 504.7 Wet Conditions. Stair treads and landings subject to wet conditions shall be designed to prevent the accumulation of water.

505 Handrails  
 505.1 General. Handrails provided along walking surfaces complying with 403, required at ramps complying with 405, and required at stairs complying with 504 shall comply with 505.

Advisory 505.1 General. Handrails are required on ramp runs with a rise greater than 6 inches (150 mm) (see 405.8) and on certain stairways (see 504). Handrails are not required on walking surfaces with running slopes less than 1:20. However, handrails are required to comply with 505 when they are provided on walking surfaces with running slopes less than 1:20 (see 403.6). Sections 505.2, 505.3, and 505.10 do not apply to handrails provided on walking surfaces with running slopes less than 1:20 as these sections only reference requirements for ramps and stairs.

505.2 Where Required. Handrails shall be provided on both sides of stairs and ramps.  
 505.3 Continuity. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs.  
 505.4 Height. Top of gripping surface of handrails shall be 34 inches (865 mm) minimum and 38 inches (965 mm) maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces.

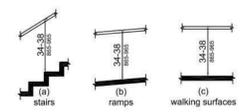


Figure 505.4 Handrail Height

505.5 Clearance. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1 1/2 inches (38 mm) minimum.



Figure 505.5 Handrail Clearance

505.6 Horizontal Projections Below Gripping Surface  
 505.6 Gripping Surface. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed for more than 20 percent of their length. Where provided, horizontal projections shall occur 1 1/2 inches (38 mm) minimum below the bottom of the handrail gripping surface.

505.7.1 Circular Cross Section. Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1 1/4 inches (32 mm) minimum and 2 inches (51 mm) maximum.  
 505.7.2 Non-Circular Cross Sections. Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4 inches (100 mm) minimum and 6 1/4 inches (160 mm) maximum, and a cross-section dimension of 2 1/4 inches (57 mm) maximum.

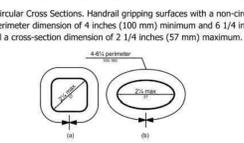


Figure 505.7.2 Handrail Non-Circular Cross Section

505.8 Surfaces. Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges.  
 505.9 Fittings. Handrails shall not rotate within their fittings.  
 505.10 Handrail Extensions. Handrail gripping surfaces shall extend beyond and in the same direction of stair flights and ramps as required by 505.10.

505.10.1 Top and Bottom Extension at Ramps. Ramp handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beyond the top and bottom of ramp runs. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent ramp run.

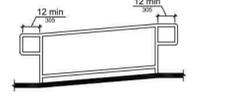


Figure 505.10.1 Top and Bottom Handrail Extension at Ramps

505.10.2 Top Extension at Stairs. At the top of a stair flight, handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beginning directly above the first riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.

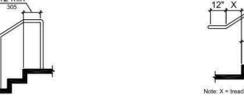


Figure 505.10.2 Top Handrail Extension at Stairs

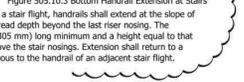


Figure 505.10.3 Bottom Handrail Extension at Stairs

CHAPTER 6: PLUMBING ELEMENTS AND FACILITIES  
 602 Drinking Fountains  
 602.2 Clear Floor Space. Units shall have a clear floor or ground space complying with 305 positioned for a forward approach and centered on the unit. Knee and toe clearance complying with 306 shall be provided.  
 EXCEPTION: A parallel approach complying with 305 shall be permitted at units for children's use where the spout is 30 inches (760 mm) maximum above the finish floor or ground and is 3 1/2 inches (90 mm) maximum from the front edge of the unit, including bumpers.  
 602.3 Operable Parts. Operable parts shall comply with 309.  
 602.4 Spout Height. Spout outlets shall be 36 inches (915 mm) maximum above the finish floor or ground.  
 602.5 Spout Location. The spout shall be located 15 inches (380 mm) minimum from the vertical support and 5 inches (125 mm) maximum from the front edge of the unit, including bumpers.

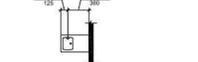


Figure 602.5 Drinking Fountain Spout Location

602.6 Water Flow. The spout shall provide a flow of water 4 inches (100 mm) high minimum and shall be located 5 inches (125 mm) maximum from the front of the unit. The angle of the water stream shall be measured horizontally relative to the front face of the unit. Where spouts are located less than 3 inches (75 mm) from the front of the unit, the angle of the water stream shall be 30 degrees maximum. Where spouts are located between 3 inches (75 mm) and 5 inches (125 mm) maximum from the front of the unit, the angle of the water stream shall be 15 degrees maximum.

602.7 Drinking Fountains for Standing Persons. Spout outlets of drinking fountains for standing persons shall be 38 inches (965 mm) minimum and 43 inches (1090 mm) maximum above the finish floor or ground.

603 Toilet and Bathing Rooms  
 603.2 Clearances. Clearances shall comply with 603.2.  
 603.2.1 Turning Space. Turning space complying with 304 shall be provided within the room.  
 603.2.2 Overlap. Required clear floor spaces, clear floor spaces, and turning space shall be permitted to overlap.  
 603.2.3 Door Swing. Doors shall not swing into the clear floor space or clearance required for any fixture. Doors shall be permitted to swing into the required turning space.  
 603.3 Mirrors. Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the finish floor or ground. Mirrors not located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35 inches (890 mm) maximum above the finish floor or ground.  
 603.4 Coat Hooks and Shelves. Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the finish floor.

604 Water Closets and Toilet Compartments  
 604.2 Location. The water closet shall be positioned with a wall or partition to the rear and to one side. The centerline of the water closet shall be 16 inches (405 mm) minimum to 18 inches (455 mm) maximum from the side wall or partition, except that the water closet shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum from the side wall or partition in the ambulatory accessible toilet compartment specified in 604.8.2. Water closets shall be arranged for a left-hand or right-hand approach.

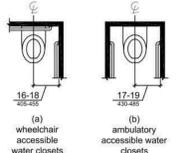


Figure 604.2 Water Closet Location

604.3.1 Size. Clearance around a water closet shall be 60 inches (1525 mm) minimum measured perpendicular from the side wall and 56 inches (1420 mm) minimum measured perpendicular from the rear wall.

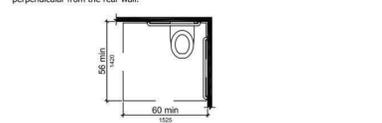


Figure 604.3.1 Size of Clearance at Water Closets

604.3.2 Overlap. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, dispensers, sanitary napkin disposal units, coat hooks, shelves, accessible routes, clear floor space and clearances required at other fixtures, and the turning space. No other fixtures or obstructions shall be located within the required water closet clearance.

604.4 Seats. The seat height of a water closet above the finish floor shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum measured to the top of the seat. Seats shall not be sprung to return to a lifted position.

604.5 Grab Bars. Grab bars for water closets shall comply with 609. Grab bars shall be provided on the side wall closest to the rear wall.

604.5.1 Side Wall. The side wall grab bar shall be 42 inches (1065 mm) long minimum, located 12 inches (305 mm) maximum from the rear wall and extending 54 inches (1370 mm) minimum from the rear wall.



Figure 604.5.1 Side Wall Grab Bar at Water Closets

604.5.2 Rear Wall. The rear wall grab bar shall be 36 inches (915 mm) long minimum and extend from the centerline of the water closet 12 inches (305 mm) minimum on one side and 24 inches (610 mm) minimum on the other side.

604.6 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309. Flush controls shall be located on the open side of the water closet except in ambulatory accessible compartments complying with 604.8.2.

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 19 inches (485 mm) maximum above the finish floor. There shall be a clearance of 1 1/2 inches (38 mm) minimum below the grab bar. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.

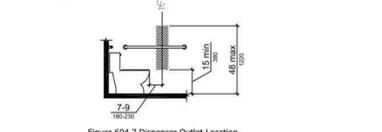


Figure 604.7 Dispenser Outlet Location

604.8 Toilet Compartments. Wheelchair accessible toilet compartments shall meet the requirements of 604.8.1 and 604.8.3. Compartments containing more than one plumbing fixture shall comply with 603. Ambulatory accessible compartments shall comply with 604.8.2 and 604.8.3.

604.8.1 Wheelchair Accessible Compartments. Wheelchair accessible compartments shall comply with 604.8.1.

604.8.1.1 Size. Wheelchair accessible compartments shall be 60 inches (1525 mm) wide minimum measured perpendicular to the side wall, and 56 inches (1420 mm) deep minimum for wall hung water closets and 59 inches (1500 mm) deep minimum for floor mounted water closets measured perpendicular to the rear wall. Wheelchair accessible compartments for children's use shall be 60 inches (1525 mm) wide minimum measured perpendicular to the side wall, and 59 inches (1500 mm) deep minimum for wall hung and floor mounted water closets measured perpendicular to the rear wall.

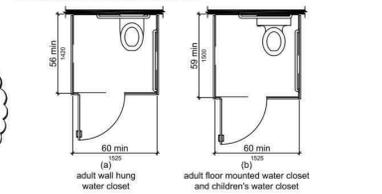


Figure 604.8.1.1 Size of Wheelchair Accessible Toilet Compartment

604.8.1.2 Doors. Toilet compartment doors, including door hardware, shall comply with 404 except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum. Doors shall be located in the front partition or in the side wall or partition farthest from the water closet. Where located in the front partition, the door opening shall be 4 inches (100 mm) maximum from the side wall or partition farthest from the water closet. Where located in the side wall or partition, the door opening shall be 4 inches (100 mm) maximum from the front partition. The door shall be self-closing. A door pull complying with 404.2.2 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area.

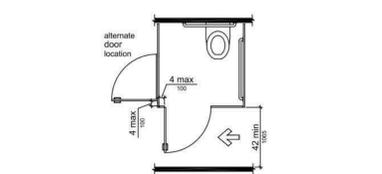


Figure 604.8.1.2 Wheelchair Accessible Toilet Compartment Doors

604.8.1.3 Approach. Compartments shall be arranged for left-hand or right-hand approach to the water closet.

604.8.1.4 Toe Clearance. The front partition and at least one side partition shall provide a toe clearance of 9 inches (230 mm) minimum above the finish floor and 6 inches (150 mm) deep minimum between the compartment and the partition, exclusive of partition support members. Compartments for children's use shall provide a toe clearance of 12 inches (305 mm) minimum above the finish floor.

EXCEPTION: Toe clearance at the front partition is not required in a compartment greater than 62 inches (1575 mm) deep with a wall-hung water closet or 65 inches (1650 mm) deep with a floor-mounted water closet. Toe clearance at the side partition is not required in a compartment greater than 65 inches (1675 mm) wide. Toe clearance at the front partition is not required in a compartment for children's use that is greater than 65 inches (1650 mm) deep.

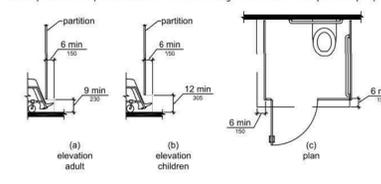


Figure 604.8.1.4 Wheelchair Accessible Toilet Compartment Toe Clearance

604.8.1.5 Grab Bars. Grab bars shall comply with 609. A side-wall grab bar complying with 604.5.1 shall be provided and shall be located on the wall closest to the water closet. In addition, a rear-wall grab bar complying with 604.5.2 shall be provided.

604.8.2 Ambulatory Accessible Compartments. Ambulatory accessible compartments shall comply with 604.8.2.

604.8.2.1 Size. Ambulatory accessible compartments shall have a depth of 60 inches (1525 mm) minimum and a width of 35 inches (890 mm) minimum and 37 inches (940 mm) maximum.

604.8.2.2 Doors. Toilet compartment doors, including door hardware, shall comply with 404, except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum. The door shall be self-closing. A door pull complying with 404.2.2 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area.

604.8.2.3 Grab Bars. Grab bars shall comply with 609. A side-wall grab bar complying with 604.5.1 shall be provided on both sides of the compartment.

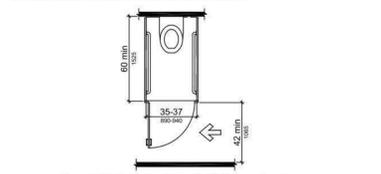


Figure 604.8.2 Ambulatory Accessible Toilet Compartment

604.8.3 Coat Hooks and Shelves. Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the finish floor.

604.9 Water Closets and Toilet Compartments for Children's Use. Water closets and toilet compartments for children's use shall comply with 604.9.

604.9.1 Location. The water closet shall be located with a wall or partition to the rear and to one side. The centerline of the water closet shall be 12 inches (305 mm) minimum and 18 inches (455 mm) maximum from the side wall or partition, except that the water closet shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum from the side wall or partition in the ambulatory accessible toilet compartment specified in 604.8.2. Compartments shall be arranged for left-hand or right-hand approach to the water closet.

604.9.2 Clearance. Clearance around a water closet shall comply with 604.3.

604.9.3 Height. The height of water closets shall be 11 inches (280 mm) minimum and 17 inches (430 mm) maximum measured to the top of the seat. Seats shall not be sprung to return to a lifted position.

604.9.4 Grab Bars. Grab bars for water closets shall comply with 604.5.

604.9.5 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309.2 and 309.4 and shall be installed 36 inches (915 mm) maximum above the finish floor. Flush controls shall be located on the open side of the water closet except in ambulatory accessible compartments complying with 604.8.2.

604.9.6 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 14 inches (355 mm) minimum and 19 inches (485 mm) maximum above the finish floor. There shall be a clearance of 1 1/2 inches (38 mm) minimum below the grab bar. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.  
 604.9.7 Toilet Compartments. Toilet compartments shall comply with 604.8.

605 Urinals  
 605.2 Height and Depth. Urinals shall be the stall-type or the wall-hung type with the rim 17 inches (430 mm) maximum above the finish floor or ground. Urinals shall be 13 1/2 inches (345 mm) deep minimum measured from the outer face of the urinal rim to the back of the fixture.

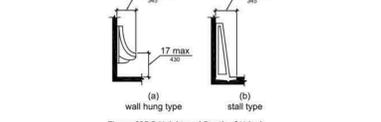


Figure 605.2 Height and Depth of Urinals

605.3 Clear Floor Space. A clear floor or ground space complying with 305 positioned for forward approach shall be provided.

605.4 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309.

606 Lavatories and Sinks  
 606.2 Clear Floor Space. A clear floor space complying with 305, positioned for a forward approach, and knee and toe clearance complying with 306 shall be provided.

606.3 Height. Lavatories and sinks shall be installed with the front of the higher of the rim or counter surface 34 inches (865 mm) maximum above the finish floor or ground.

606.4 Faucets. Controls for faucets shall comply with 309. Hand-operated metering faucets shall remain open for 10 seconds minimum.

606.5 Exposed Pipes and Surfaces. Water supply and drain pipes under lavatories and sinks shall be insulated or otherwise configured to protect against contact. There shall be no sharp or abrasive surfaces under lavatories and sinks.

607 Bathubs  
 607.2 Clearance. Clearance in front of bathubs shall extend the length of the bathub and shall be 30 inches (760 mm) wide minimum. A lavatory complying with 606 shall be permitted at the control end of the clearance. Where a permanent seat is provided at the head end of the bathub, the clearance shall extend 12 inches (305 mm) minimum beyond the wall at the head end of the bathub.

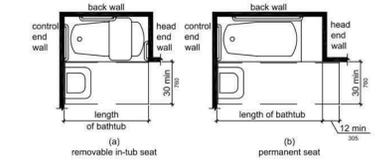


Figure 607.2 Clearance for Bathubs

607.3 Seat. A permanent seat at the head end of the bathub or a removable in-tub seat shall be provided. Seats shall comply with 610.

607.4 Grab Bars. Grab bars for bathubs shall comply with 609 and shall be provided in accordance with 607.4.1 or 607.4.2.

607.4.1 Bathubs With Permanent Seats. For bathubs with permanent seats, grab bars shall be provided in accordance with 607.4.1.

703.2.6 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 15 percent maximum of the height of the character.

703.2.7 Character Spacing. Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum. Where characters have other cross sections, spacing between individual raised characters shall be 1/16 inch (1.6 mm) minimum and 4 times the raised character stroke width maximum at the base of the cross sections, and 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum at the top of the cross sections. Characters shall be separated from raised borders and decorative elements 3/8 inch (9.5 mm) minimum.

703.2.8 Line Spacing. Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent minimum and 170 percent maximum of the raised character height.

703.3 Braille. Braille shall be contracted (Grade 2) and shall comply with 703.3 and 703.4.

703.3.1 Dimensions and Capitalization. Braille dots shall have a domed or rounded shape and shall comply with Table 703.3.1. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.

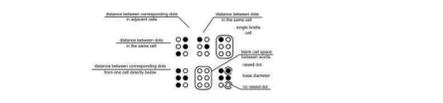


Figure 703.3.1 Braille Measurement

703.3.2 Position. Braille shall be positioned below the corresponding text. If text is multi-lined, braille shall be placed below the entire text. Braille shall be separated 3/8 inch (9.5 mm) minimum from any other tactile characters and 3/8 inch (9.5 mm) minimum from raised borders and decorative elements.



Figure 703.3.2 Position of Braille

703.4 Installation Height and Location. Signs with tactile characters shall comply with 703.4.  
 703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48 inches (1220 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60 inches (1525 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character.

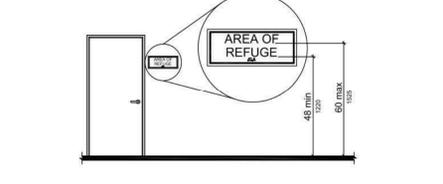


Figure 703.4.1 Height of Tactile Characters Above Finish Floor or Ground

703.4.2 Location. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile sign is provided at double doors with two active leaves, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18 inches (455 mm) minimum by 18 inches (455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.

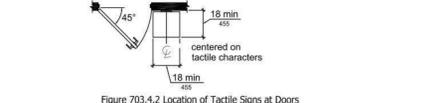


Figure 703.4.2 Location of Tactile Signs at Doors

703.5 Visual Characters. Visual characters shall comply with 703.5.

703.5.1 Finish and Contrast. Characters and their background shall have a non-glare finish. Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.

703.5.2 Case. Characters shall be uppercase or lowercase or a combination of both.

703.5.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.5.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 95 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.5.5 Character Height. Minimum character height shall comply with Table 703.5.5. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign. Character height shall be based on the uppercase letter "I".

703.5.6 Height From Finish Floor or Ground. Visual characters shall be 40 inches (1015 mm) minimum above the finish floor or ground.

703.5.7 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 10 percent minimum and 30 percent maximum of the height of the character.

703.5.8 Character Spacing. Character spacing shall be measured between the two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10 percent minimum and 25 percent maximum of character height.

703.5.9 Line Spacing. Spacing between the baselines of separate lines of characters within a message shall be 135 percent minimum and 170 percent maximum of the character height.

703.6 Pictograms. Pictograms shall comply with 703.6.

703.6.1 Pictogram Field. Pictograms shall have a field height of 6 inches (150 mm) minimum. Characters and braille shall not be located in the pictogram field.

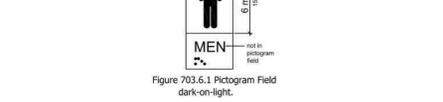


Figure 703.6.1 Pictogram Field dark-on-light

703.6.2 Finish and Contrast. Pictograms and their field shall have a non-glare finish.

**Intertek** 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:** 800-423-0698  
**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 / ETL3188248  
**Authorized By:** *Bob Davison*  
Bob Davison, Director, Certification Services



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

**Testing Standard(s):** ASTM E1509 (2004) UL 1482 (2000) UL C S927 (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, G100300525MID-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**

CITY OF WAYNESBURG IN GREENE COUNTY, PENNSYLVANIA, CURRENTLY ADOPTED CODES:

- Building Code 2015 IBC
- NFPA 101 Life Safety Code - 2015
- Mechanical Code 2015 IMC
- Electrical Code 2015 NEC
- Plumbing Code 2015 IPC
- Gas Code 2015 IGC
- 2010 ADA-ABA Accessibility Guidelines

GROSS BUILDING AREA: 3,941 SF  
TYPE A-2 OCCUPANCY BUILD-OUT  
NOTE: EXISTING SPRINKLER TO REMAIN AND BE REWORKED FOR NEW LAYOUT

INTERIOR RENO ONLY

OCCUPANT LOAD - A-2 ASSEMBLY (FIXED SEATING):  
COMMERCIAL KITCHEN/BOH: 1179 SF @ 200 SF/PERSON = 6 PERSONS  
DINING/BAR - tables and chairs: 1,487 SF @ 15 SF/PERSON = 99 PERSONS  
TOTAL OCCUPANCY FOR BUILDING EXITS = 105 PERSONS  
5% OF 130 SEATING TO BE ACCESSIBLE = 6 SEATS PER IPC SECTION 403.1 (d)

PER IBC SECTION 2902.1.1, TOTAL PLUMBING OCCUPANCY: 105

OCC. LOAD OF EA SEX CALCULATED BY DIVIDING TOTAL PLUMBING OCCUPANCY IN HALF  
OCC. LOAD PER SEX: 53 MALES, 53 FEMALES  
PER IPC SECTION 403.1.1  
TOILET AND LAV FIXTURES REQUIRED: 1 EA PER 75 MALE AND 1 EA PER 75 FEMALE  
RESTROOMS ARE NOT BEING RENOVATED OR RE-CONFIGURED, ETC., ONLY UPDATED FINISHES AND FIXTURES.

WATER IS SERVED--DRINKING FOUNTAIN IS NOT REQUIRED  
TYPE C FINISHES REQUIRED NON-RATED HALLWAY  
TWO EXITS REQUIRED FOR MORE THAN 49 OCCUPANTS - BOTH ARE PROVIDED FROM DINING WITH ACCESS FROM KITCHEN.  
FIRE EXTINGUISHER REQUIRED  
MINIMUM EXIT WIDTH @ 2/OCCUPANT: 12" - EXISTING EXIT DOORS TO REMAIN  
250' MAX EXIT ACCESS TRAVEL DISTANCE (LONGEST PATH IS 133' ACTUAL)  
COMMON EXIT PATH DISTANCE SHALL NOT EXCEED 75' (LONGEST PATH IS 61')

REF COVER FOR SCOPE OF WORK (UNDER SHEET INDEX)

**FIRE PROTECTION/FIRE ALARM SYSTEM THE GENERAL CONTRACTOR IS TO CONTRACT WITH A LICENSED FP CONTRACTOR WHO WILL DESIGN THE REARRANGEMENT OF THE SYSTEM, SEAL THE DESIGN AND SUBMIT FOR APPROVAL UNDER SEPARATE COVER TO THE REGULATING AUTHORITIES AS WELL AS ARRANGE INSPECTIONS AND TESTS FOR PERMITTING**

**Architect**  
+one design  
P.O. BOX 40232  
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In conjunction with KDW, P.S.



10/29/2011

Route 21 & 79  
Greene Plaza  
Space #2  
Waynesburg, PA 15370  
Greene County



**Owner**  
Cindy Yorio  
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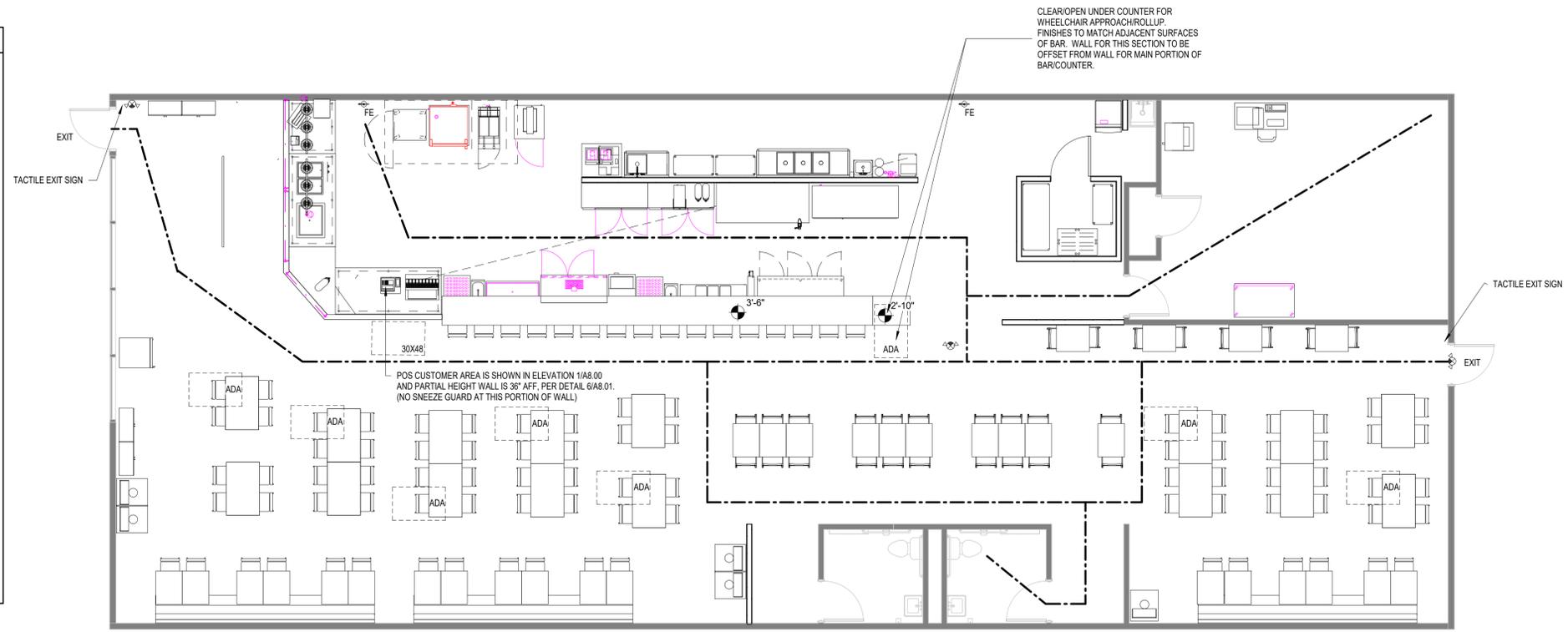
ISSUED/REVISED	DATE

LIFE SAFETY PLAN

A0.00

**PLAN KEY**

- EX EXIT SIGN
- EM EMERGENCY BATT LIGHTS - REF E1.01
- ER EMERGENCY REMOTE LIGHTS - REF E1.01
- FE TYPE "K" FIRE EXTINGUISHER
- EMERGENCY BATT 2X4 - REF E1.01
- LONGEST EXIT DISTANCE SHOWN IS 73'
- 6X4 TACTILE EXIT SIGN PER ADA STANDARD MTD 50" AFF TO BOT LOCATED AT EVERY EXIT DOOR
- 8 X 12 OCCUPANT LOAD SIGN (CONFIRM LOCATION WITH FIRE MARSHAL)



**1 LIFE SAFETY PLAN**  
SCALE: 3/16" = 1'-0"

**ELECTRICAL DEMOLITION NOTES**

1. THE ELECTRICAL CONTRACTOR SHALL, AS PART OF HIS WORK THE ELECTRICAL CONTRACTOR SHALL, AS PART OF HIS WORK THE ELECTRICAL CONTRACTOR SHALL, AS PART OF HIS WORK, PERFORM ALL RELATED DEMOLITION, MODIFICATIONS, RELOCATION OF SERVICES AND RELATED WORK, INCLUDING NEW WORK NECESSARY TO COMPLETE THE PROJECT.
2. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS PRIOR TO SUBMITTING BIDS. REFER TO ARCHITECTURAL, PLUMBING, MECHANICAL AND ELECTRICAL WORK SHOWN ON OTHER DRAWINGS AND VISIT THE SITE TO DETERMINE THE EXTENT OF THE DEMOLITION AND NEW WORK REQUIRED.
3. THE ELECTRICAL CONTRACTOR SHALL NOT DISCONNECT THE ELECTRICAL CONTRACTOR SHALL NOT DISCONNECT THE ELECTRICAL CONTRACTOR SHALL NOT DISCONNECT EQUIPMENT AND ELECTRICAL CIRCUITS IN THE RENOVATION AREA OR ANY PART OF THE BUILDING WITHOUT PRIOR NOTIFICATION AND PERMISSION FROM THE OWNER. EXTREMELY CARE SHALL BE TAKEN TO MINIMIZE DISTURBANCE TO THE SURROUNDING AREA.
4. ITEMS REMOVED AND NOT SCHEDULED TO BE RELOCATED SHALL BE OFFERED TO THE OWNER FOR HIS/HER USE AND IF NOT ACCEPTED BY THE OWNER, THE ELECTRICAL CONTRACTOR SHALL DISPOSE OF THE MATERIAL FROM THE SITE IN ACCORDANCE WITH E.P.A. REGULATIONS. THE ELECTRICAL CONTRACTOR SHALL DELIVER ITEMS ACCEPTED BY THE OWNER TO THE DESIGNATED LOCATION AS DIRECTED BY THE OWNER. ITEMS TO BE RETURNED TO THE OWNER ARE: TELEVISIONS, EXIT SIGNS, AND FIRE ALARM DEVICES.
5. IN ALL CASES WHERE WORK IS REMOVED, THE IN ALL CASES WHERE WORK IS REMOVED, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS, EQUIPMENT AND LABOR TO SUSTAIN OPERATION OF ALL PARTS OF SYSTEMS CONNECTING TO, OR FROM, THE PART REMOVED, COMPLETING ALL WORK IN STRICT ACCORDANCE WITH APPLICABLE CODES.
6. ALL WIRING, CABLES AND FEEDERS INCLUDING BOTH ALL WIRING, CABLES AND FEEDERS INCLUDING BOTH THOSE CONNECTED TO DEVICES AND EQUIPMENT TO BE DEMOLISHED AND THOSE EXISTING THAT WERE ABANDONED IN PLACE, SHALL BE REMOVED BACK TO THEIR SOURCES. UNLESS NOTED OTHERWISE, CONDUITS AND/OR WIRING SHALL, WHERE NECESSARY, BE RE-CIRCUITED AROUND THE REMOVED PART, KEEPING OCCUPIED PARTS OF THE BUILDING SYSTEM IN FULL SERVICE. EACH TRADE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND RELOCATION OF SERVICES, EQUIPMENT AND MATERIALS RELATING TO HVAC, PLUMBING/FIRE PROTECTION AND ELECTRICAL TRADES, RESPECTIVELY.
7. ALL EXISTING CONDUIT THAT HAS BEEN ABANDONED ALL EXISTING CONDUIT THAT HAS BEEN ABANDONED OR IS UNUSED SHALL BE REMOVED.
8. PROVIDE BLANK METAL COVER PLATES FOR ALL PROVIDE BLANK METAL COVER PLATES FOR ALL JUNCTION/DEVICE BOXES NO LONGER IN USE THAT ARE EMBEDDED IN FLOOR SLAB OR MASONRY WALLS. PROVIDE PLUGS FOR ALL PANELS WHERE CONDUIT HAS BEEN REMOVED. COVER PLATES SHALL BE PAINTED TO MATCH EXISTING CONDITIONS.
9. COORDINATE WITH THE ARCHITECTURAL DRAWINGS AND COORDINATE WITH THE ARCHITECTURAL DRAWINGS AND THE G.C. FOR EXISTING PARTITIONS TO BE REMOVED. DISCONNECT EXISTING BRANCH CIRCUITS SERVING DEVICES IN PARTITIONS TO BE REMOVED. MAINTAIN CONTINUITY OF CIRCUITS SERVING EXISTING DEVICES IN OTHER AREAS THAT ARE TO REMAIN.
10. **LIGHTING FIXTURES:** REMOVE LIGHTING FIXTURE AND LIGHTING FIXTURES: REMOVE LIGHTING FIXTURE AND REMOVE LIGHTING FIXTURE AND SWITCH CONTROL. WHEN THE FIXTURE TO BE REMOVED IS SERVED BY A CIRCUIT THAT SUPPLIES FIXTURES IN OTHER AREAS THAT ARE TO REMAIN, THE E.C. SHALL MAINTAIN THE CONTINUITY OF THE CIRCUIT TO THE REMAINING FIXTURES.
11. **POWER RECEPTACLES:** REMOVE RECEPTACLE. WHEN REMOVE RECEPTACLE. WHEN THE RECEPTACLE TO BE REMOVED IS SERVED BY A CIRCUIT THAT SUPPLIES RECEPTACLES IN OTHER AREAS THAT ARE TO REMAIN, THE E.C. SHALL MAINTAIN THE CONTINUITY OF THE CIRCUIT TO THE REMAINING RECEPTACLES.
12. THE E.C. SHALL PROVIDE TEMPORARY LIGHTING AND THE E.C. SHALL PROVIDE TEMPORARY LIGHTING AND POWER AS REQUIRED.
13. THE E.C. SHALL PROVIDE UPDATED, TYPEWRITTEN THE E.C. SHALL PROVIDE UPDATED, TYPEWRITTEN PANEL DIRECTORIES FOR ALL PANELS AFFECTED BY THE DEMOLITION AND/OR NEW WORK. CIRCUIT BREAKERS NOT USED FOR NEW WORK SHALL BE LABELED AS SPARE.
14. TXFOR EXISTING DEVICES/CIRCUITRY THAT ARE INDICATED TO BE REMOVED BACK TO THE POINT OF ORIGIN: THESE ITEMS ARE TO BE REMOVED BACK TO THE POINT OF ORIGIN UNLESS EXISTING DEVICES LOCATED OUTSIDE THE AREA OF WORK ARE TO REMAIN ON THE SAME CIRCUIT. IN THAT CASE, REMOVE THE EXISTING DEVICES/CIRCUITRY IN AREA OF WORK BACK TO THE EXISTING DEVICES TO REMAIN. ALL DEVICES/CIRCUITRY IN SURROUNDING AREAS THAT ARE TO REMAIN ARE TO BE KEPT ENERGIZED. FOR REMOVAL OF CONDUIT AND WIRING OUTSIDE THE AREA OF WORK, COORDINATE AND SCHEDULE WITH THE OWNER PRIOR TO PERFORMING WORK.

**HVAC DEMOLITION NOTES**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ALL WORK NECESSARY TO RENOVATE, ALTER, CHANGE, AND REPAIR EXISTING SYSTEMS BASED UPON THE ACTUAL FIELD CONDITIONS. 2. ALL DEMOLITION WORK SHALL BE PERFORMED WITH DUE CARE AND DILIGENCE" SO AS TO PREVENT THE SO AS TO PREVENT THE UNNECESSARY DESTRUCTION AND/OR DAMAGE TO SYSTEMS THAT SHALL REMAIN IN OPERATION AT THE CONCLUSION OF THIS WORK. DETERMINE THE EXACT LOCATION OF ALL EXISTING EQUIPMENT, DEVICES AND WIRING BEFORE COMMENCING WORK.
3. LOCATE AND PRESERVE ALL PORTIONS OF THE LOCATE AND PRESERVE ALL PORTIONS OF THE EXISTING HVAC SYSTEMS WHICH SHALL REMAIN.
4. CONTROLS, DEVICES AND WIRING ARE NOT SHOWN CONTROLS, DEVICES AND WIRING ARE NOT SHOWN ON THE DEMOLITION PLAN AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL DETERMINE THE EXACT THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING HVAC DEVICES, EQUIPMENT, AND WIRING BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MIGHT OCCUR BECAUSE OF THE CONTRACTOR'S FAILURE TO ACCURATELY DISCOVER, LOCATE, AND PROTECT ANY AND ALL PORTIONS OF THE EXISTING HVAC SYSTEM.
6. EXISTING DUCTWORK AND CONTROLS WIRING MAY EXISTING DUCTWORK AND CONTROLS WIRING MAY BE REUSED WHERE THEY ARE OF THE TYPE SPECIFIED, MEET THE REQUIREMENTS FOR THE NEW WORK AS DEFINED BY THE CONTRACT DOCUMENTS, AND REMAIN IN GOOD CONDITION.
7. REMOVE AND RE-INSTALL (OR PROVIDE REMOVE AND RE-INSTALL (OR PROVIDE PROTECTION IN PLACE) ALL EXISTING EQUIPMENT AND DEVICES TO REMAIN ON OR IN WALLS, CEILINGS AND FLOORS WHICH SHALL BE EXPOSED TO DEMOLITION AND CONSTRUCTION ACTIVITIES, AND WHICH MAY BE DAMAGED BY DUST, DEBRIS, ETC.
8. WHERE EXISTING EQUIPMENT AND DEVICES SHALL WHERE EXISTING EQUIPMENT AND DEVICES SHALL BE REMOVED, THE CONTRACTOR SHALL REMOVE ALL THE ASSOCIATED DUCTWORK, PIPING, AND CONTROLS THAT WILL NOT REMAIN IN OPERATION, BACK TO THEIR RESPECTIVE SOURCES OR TO THE POINT ON A SHARED SYSTEM FROM WHERE THE EQUIPMENT OR DEVICE IS SERVED.
9. RELOCATE AS NECESSARY ALL EXISTING RELOCATE AS NECESSARY ALL EXISTING DUCTWORK, PIPING, AND CONTROLS FOUND PASSING THROUGH THE AREA OF CONSTRUCTION, AND WHICH ARE PRESENTLY IN USE IN OTHER PORTIONS OF THE BUILDING UNAFFECTED BY THIS PROJECT PHASE, TO MAINTAIN THE CONTINUITY OF SERVICE AND GROUNDING, AND CONCEAL THEM ABOVE NEW CEILINGS.
10. ALL EXISTING DAMAGED DUCTWORK, GRILLES, AND ALL EXISTING DAMAGED DUCTWORK, GRILLES, AND DEVICES WITHIN THE AREA OF CONSTRUCTION AND SHOWN TO REMAIN IN OPERATION SHALL BE REPLACED WITH NEW MATERIALS CONFORMING TO THESE CONTRACT DOCUMENTS.
11. ALL EQUIPMENT, DEVICES AND MATERIALS REMOVED ALL EQUIPMENT, DEVICES AND MATERIALS REMOVED DURING DEMOLITION WORK AND NOT INDICATED TO BE REUSED OR TURNED OVER TO THE OWNER, SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR FOR DISPOSAL.
12. THE CONTRACTOR SHALL PROVIDE ALL CUTTING THE CONTRACTOR SHALL PROVIDE ALL CUTTING AND PATCHING NECESSARY TO REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES PERFORMED BY THE CONTRACTOR. THIS WORK INCLUDES AREAS OUTSIDE ANY LIMITS OF CONSTRUCTION LINES SHOWN ON THE DRAWINGS.

**GENERAL DEMOLITION NOTES**

- THE INTENT OF THE DEMOLITION PLANS IS TO SHOW THE GENERAL NATURE OF THE DEMOLITION SCOPE. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR VISITING THE JOB SITE AND VERIFYING THE EXISTING CONDITIONS. THE GENERAL CONTRACTOR SHOULD IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- CAUSE NO DAMAGE TO EXISTING CONSTRUCTION TO REMAIN. TAKE CARE NOT TO ENCRACH ON ADJACENT OCCUPIED AREAS OR AREAS NOT WITHIN THE SCOPE OF WORK. PROTECT ALL EXISTING FINISHES, DOORS, FRAMES, ETC. WHICH ARE TO REMAIN.
  - USE ALL MEANS NECESSARY TO PREVENT THE SPREAD OF DUST TO ADJACENT AREAS.
  - CONDUCT DEMOLITION OPERATIONS & THE REMOVAL OF DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. COMPLY WITH LOCAL JURISDICTION REQUIREMENTS FOR RECYCLING AND TREATMENT OF ITEMS TO BE RECYCLED.
  - DISPOSE OF ALL DEMOLISHED OR REMOVED MATERIALS LEGALLY, OFF THE SITE. COMPLY WITH ALL LOCAL HAULING AND DISPOSAL REQUIREMENTS.
  - THE ARCHITECT HAS NO KNOWLEDGE OF AND SHALL NOT BE HELD LIABLE FOR ANY ASBESTOS OR OTHER HAZARDOUS MATERIALS ON THE JOB SITE. THE CONTRACTOR SHALL IMMEDIATELY ISOLATE THE AFFECTED AREA IF ASBESTOS OR OTHER HAZARDOUS MATERIALS ARE DISCOVERED DURING CONSTRUCTION. NOTIFY OWNER FOR FURTHER INSTRUCTION BEFORE PROCEEDING WITH OTHER WORK.
  - MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS.
  - SCHEDULE ALL SERVICE SHUT-DOWN(S) WITH THE OWNER. NOTIFY OWNER A MINIMUM PERIOD OF ONE (1) WEEK PRIOR AND AGAIN ONE (1) HOUR PRIOR TO SHUT DOWN(S).

**PLUMBING DEMOLITION NOTES**

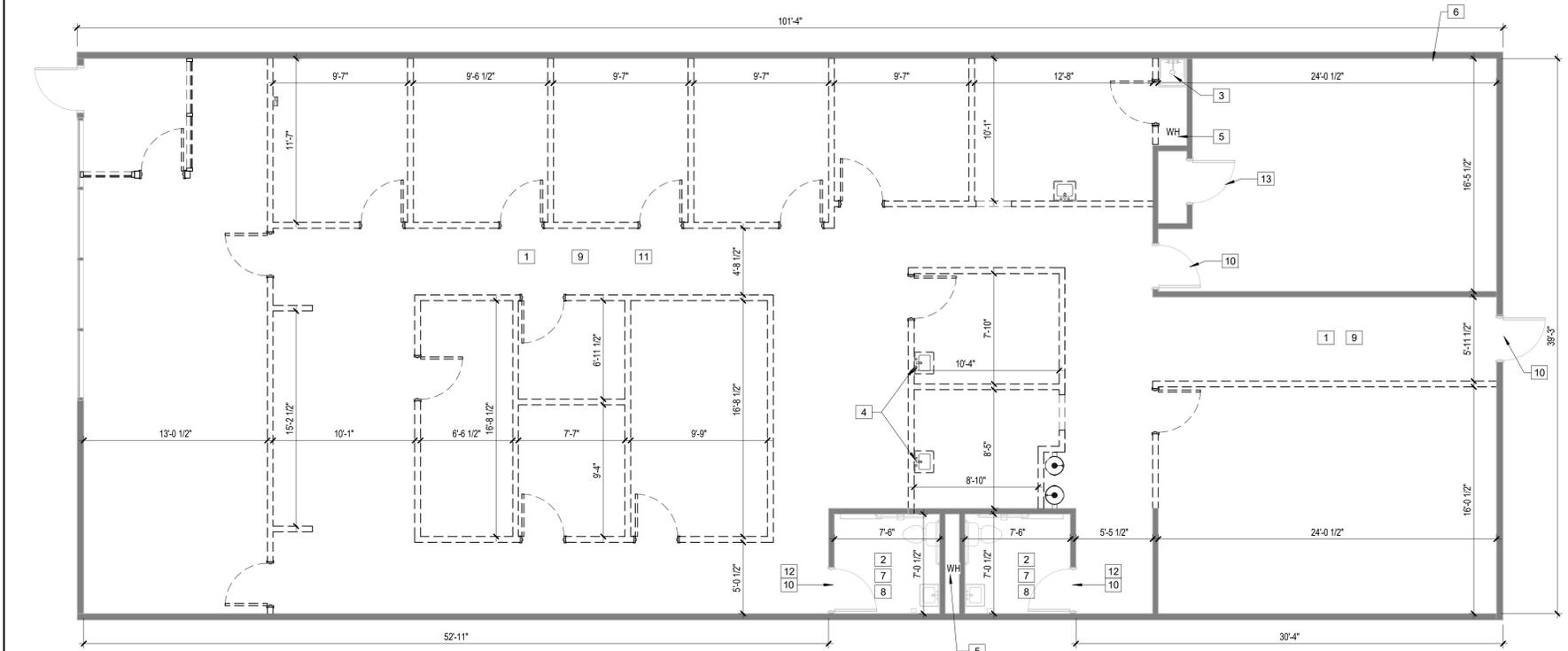
- REMOVE ALL ABANDONED ANCHOR BOLTS AND EMBEDDED ITEMS IN CONCRETE FLOORS THAT PROTRUDE ABOVE THE CONCRETE FLOOR SURFACE.
- REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR SPECIFIC DEMOLITION NOTES REGARDING THESE DISCIPLINES. ALL HVAC, ELECTRICAL AND PLUMBING ITEMS REMOVED SHALL BE CAPPED AND IDENTIFIED.
- UPON COMPLETION, CLEAN THE ENTIRE AREA OF DEMOLITION TO A TIDY, UNIFORM CONDITION, REMOVING ALL DEBRIS, DUST PARTITIONS AND ASSOCIATED MATERIALS USED DURING THE DEMOLITION. CLEAN ALL AREAS IMPACTED BY THE DEMOLITION, INCLUDING BUT NOT LIMITED TO, ADJACENT OCCUPIED AREAS AND AREAS NOT WITHIN THE SCOPE OF WORK.
- PROVIDE NEW SUPPORT RACK OR HANGERS FOR ABOVE CEILING ITEMS WHICH WERE ORIGINALLY SUPPORTED BY REMOVED WALLS.
- ABANDONING ITEMS OR UNUSED UTILITIES IN PLACE IS STRICTLY PROHIBITED, UNLESS SPECIFICALLY PERMITTED BY THE OWNER.
- PATCH/PAINT/FINISHES: TAPE, PATCH, SAND SMOOTH, AND PAINT ALL EXISTING INTERIOR WALLS WHERE DAMAGED TO UPGRADE TO CLIENT-ACCEPTED CONDITION. ALL ADJACENT EXISTING FINISHES DAMAGED OR AFFECTED BY DEMOLITION OR CONSTRUCTION OF NEW AREAS IN SCOPE OF WORK SHALL BE PATCHED AND REPAIRED.
- AT ALL TIMES, COMPLY WITH ALL STANDARD, LOCAL, NATIONAL, STATE

**PLUMBING DEMOLITION NOTES**

- 1) REMOVE ALL EXISTING WATER PIPING AND PLUMBING FIXTURES EXCEPT AS NOTED ON PLANS, BACK TO MAIN WATER LINES INSIDE BUILDING. P.C. MAY REUSE EXISTING WATER PIPING WHERE PRACTICAL
- 2) REMOVE ALL EXISTING WASTE AND VENT PIPING AND PLUMBING FIXTURES EXCEPT AS NOTED ON PLANS, BACK TO MAIN SANITARY WASTE LINE. P.C. MAY REUSE EXISTING WASTE AND VENT PIPING WHERE PRACTICAL.
- 3) REMOVE EXISTING WATER HEATER AND ALL ASSOCIATED WATER PIPING BACK TO CONNECTION WITH MAIN PLUMBING LINES.
- 4) PC SHALL VISIT JOB SITE PRIOR TO CONSTRUCTION TO DETERMINE FINAL SCOPE OF PLUMBING DEMOLITION WORK. COORDINATE WITH GC.

**KEY NOTES**

1. DEMO EXISTING VCT FLOORING IN FOH & BOH TO ACCOMMODATE NEW PLUMBING.
2. VCT FLOORING IN RESTROOMS TO REMAIN. KNEE PROTECTION AT WALL-MOUNTED SINK TO BE PROVIDED.
3. EXISTING MOP SINK TO REMAIN, REF. MEP.
4. PLUMBING STUB UP, WASTE AND SUPPLY HERE. REF. MEP FOR DEMO REQUIREMENTS, LOCATION OF SUPPLY. WATER PIPING AND SEWER PIPING TO BE REUSED TO ACCOMMODATE NEW USE OF SPACE, REF. MEP FOR LOCATIONS.
5. WATER HEATER IN ATTIC TO REMAIN, REF. MEP.
6. 2 INCH WATER LINE PENETRATES IN EXISTING STORAGE ROOM TO REMAIN, REF. MEP.
7. REF. MEP FOR PLUMBING FIXTURE REPLACEMENT IN RESTROOMS, TYP.
8. REMOVE EXISTING WALL ITEMS IN RESTROOM, TYP. PREP FOR NEW WALL TILE PER FINISH PLAN.
9. REFER RCP FOR NOTES ON DEMOLITION OF RCP IN AREAS.
10. V.I.F. EXISTING HM DOOR AND FRAME MEET ADA REQUIREMENTS. IF NOT, DEMO DOOR AND WIDEN AS REQUIRED. IF EXISTING DOOR MEETS ADA & EGRESS REQUIREMENTS, LEAVE AS IS & PREP AND PAINT EXISTING DOOR AND FRAME.
11. EXISTING COLUMNS TO REMAIN, TYP.
12. V.I.F. RESTROOM DOORS. RESTROOM LAYOUT AND PLUMBING FIXTURE ARRANGEMENT TO BE MAINTAINED.
13. EXISTING HM DOOR AND FRAME TO BE PREPPED AND PAINTED.



**1 DEMOLITION PLAN**  
SCALE: 3/16" = 1'-0"

**Architect**  
+one design  
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Baton Rouge, LA 70835  
(225) 383-0664  
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In conjunction with  
KDW, P.S.



10/29/2021

Route 21 & 79  
Greene Plaza  
Space #2  
Waynesburg, PA 15370  
Greene County



**Owner**  
Cindy Yorio  
(724) 998-3582  
cindy.yorio.icloud.com

ISSUED/REVISED	DATE

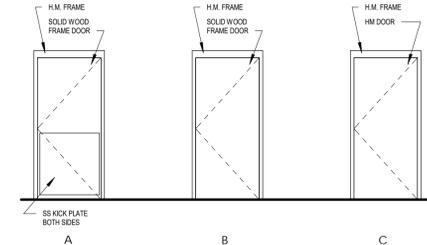
DEMOLITION PLAN

**A1.00**

**DOOR SCHEDULE AND TYPE**

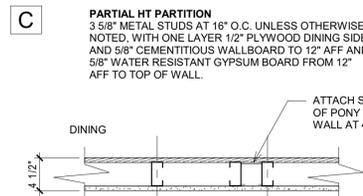
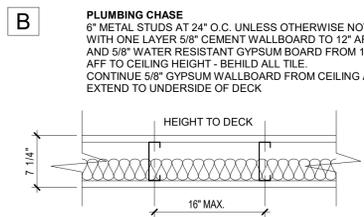
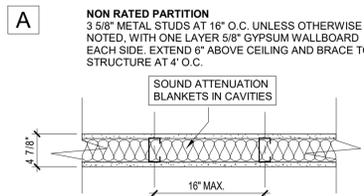
**DOOR SCHEDULE**

NO	LOCATION	SIZE	MATERIAL	TYPE	FINISH	FRAME	FINISH	HARDWARE	NOTES
100A	OFFICE DOOR	3'0"X7'0"X1'3/4"	SC WD	A	FACTORY	KD HM	FACTORY	EXISTING	PAINT FRAME BROWNSTONE
100B	CLOSET DOOR	3'0"X7'0"X1'3/4"	SC WD	B	FACTORY	KD HM	FACTORY	EXISTING	PAINT FRAME BROWNSTONE
101	REAR EXIT DOOR	3'0"X7'0"X1'3/4"	HM	C	FACTORY	KD HM	FACTORY	3	PAINT FRAME BROWNSTONE
102	RESTROOM DOOR	3'0"X7'0"X1'3/4"	SC WD	B	FACTORY	KD HM	FACTORY	2	PAINT FRAME BROWNSTONE
103	RESTROOM DOOR	3'0"X7'0"X1'3/4"	SC WD	B	FACTORY	KD HM	FACTORY	2	PAINT FRAME BROWNSTONE



1. GC TO V.I.F. EXISTING DOORS TO ENSURE THEY MEET ADA REQUIREMENTS

**PARTITION LEGEND**



1. NOT ALL P-TYPES ARE USED/SHOWN ON PLAN.

**KEY NOTES**

- CEILING DROP-ALIGN WITH EDGE OF COUNTER.
- METAL PANELS TO FACE OF COUNTER. SEE DETAIL SHEET A8.01. PARTITION TYPE C.
- GC TO INSTALL OWNER FURNISHED PARTIAL HEIGHT WALL/WALLS AT BAR COUNTER - ANCHOR TO FLOOR. COORDINATE WITH ICE MAKER/EQUIPMENT AND UNDER COUNTER CABINETS. PARTITION TYPE C.
- SOFFIT MOUNTED TV MONITORS (NOT SHOWN, REF RCP) BY OTHERS. GC TO FURNISH ELECTRICAL AND VERIFY LOCATION WITH OWNER.
- OWNER FURNISHED DIGITAL MENU BOARDS (NOT SHOWN, REF RCP) INSTALLED BY VENDOR-GC TO COORDINATE AND SECURE TO STRUCTURE.
- MAINTAIN 1" AIR GAP TO WALLS AT WALK-IN COOLER.
- GC TO FURNISH CEMENT WALLBOARD - ALL WALLS AT SINKS, TYP. CLARK DIETRICH PONY WALL PW24 TYP 48" OC MAX - ATTACH STUDS TO BOTH FLANGES OF PONY WALL.
- ADA TACTILE RESTROOM SIGNS
- PROVIDE FOR UNDERGROUND SODA LINES FROM BOX/C02 TO THE SODA DISPENSER. REF. MEP FOR SAW CUT LOCATIONS. REF. MEP FOR REQUIREMENTS OF UNDERGROUND SODA LINE. TURN DOWN BAR TOP TO FLOOR FOR CLOSURE AND APPLY TYPICAL ADJACENT BASE.
- NEW HOODS. REF. MEP.
- REF. MEP FOR PLUMBING FIXTURE REPLACEMENT IN RESTROOMS, TYP.
- PREP FOR NEW FLOORING PER FINISH PLAN.
- PREP FOR NEW WALL TILE PER FINISH PLAN.
- NEW WALK-IN COOLER/FREEZER. REF. MEP.
- REFER FINISH PLAN FOR NOTES ON NEW QUARRY TILE AND BASE IN KITCHEN AREA.
- MERCHANDISE NICHE WITH WOOD ADJUSTABLE SHELVES. REF. ELEVATIONS AND FINISH PLAN.
- V.I.F. EXISTING HM DOOR AND FRAME MEET ADA REQUIREMENTS. IF NOT, DEMO DOOR AND WIDEN AS REQUIRED. IF EXISTING DOOR MEETS ADA & EGRESS REQUIREMENTS, LEAVE AS IS & PREP AND PAINT EXISTING DOOR AND FRAME.
- ADD WALL AT TOP OF EXISTING TO CEILING TO MATCH OTHERS. TYPE A. IF WALL NEEDS COMPLETE REPLACEMENT TO PROVIDE FOR NEW DESIGN, THEN PROVIDE AS NEEDED.
- DICKEY'S TYPICAL BANQUETTE STYLE STRUCTURE PER STANDARDS.
- DICKEY'S TYPICAL CUSTOMER STANCHION PER STANDARDS.
- DICKEY'S TYPICAL TRASH CAN AND ENCLOSURE PER STANDARDS.
- POS STATION (EITHER POD OR STANDARD).
- PROVIDE EMERGENCY HARDWARE IF NEEDED ON EXISTING DOOR/FRAME.
- V.I.F. EXIT DOOR MEETS ADA REQUIREMENTS FOR EGRESS. IF NOT, DEMO DOOR AND WIDEN AS REQUIRED. IF EXISTING DOOR MEETS ADA & EGRESS REQUIREMENTS, LEAVE AS IS AND PREP & PAINT EXISTING DOOR AND FRAME.

**METAL STUD NOTES**

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 6" 20EQ 16" OC 5 PSF L360 LIMITING HEIGHT TO BRACING: 18'-3" (11'-0" FOR 24" OC AT SPECIAL CONDITIONS EX: ELECTRICAL PANELS) DIETRICH TRACKLOC 600TLF125-24

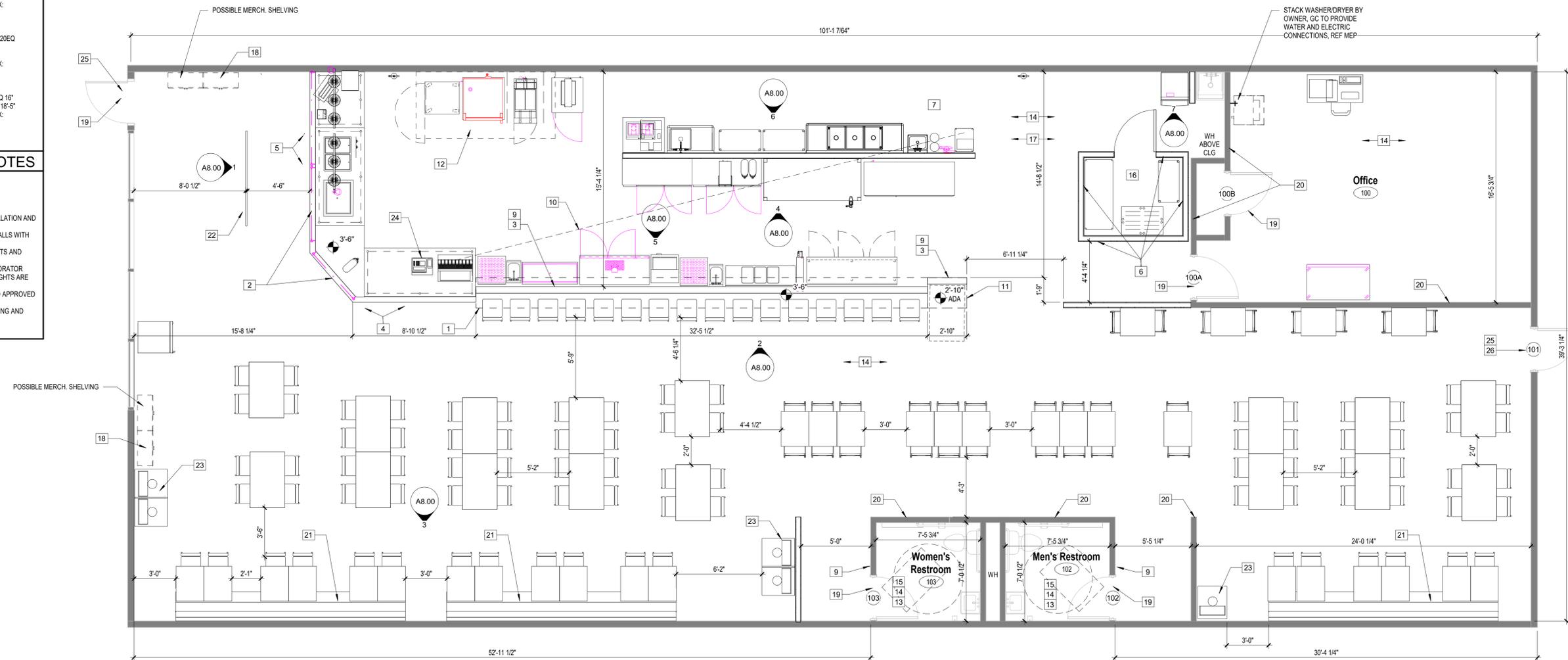
TENANT WALLS FRAMING: COMPOSITE 6" 25EQ 16" OC 5 PSF L360 LIMITING HEIGHT TO BRACING: 18'-5" (11'-0" FOR 24" OC AT SPECIAL CONDITIONS EX: ELECTRICAL PANELS) DIETRICH TRACKLOC 600TLA/TLF125-18

**WALK-IN COOLER NOTES**

WALK-IN COOLER INSTALLATION NOTES:

WALK-IN COOLER/FREEZER IS EXISTING.

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



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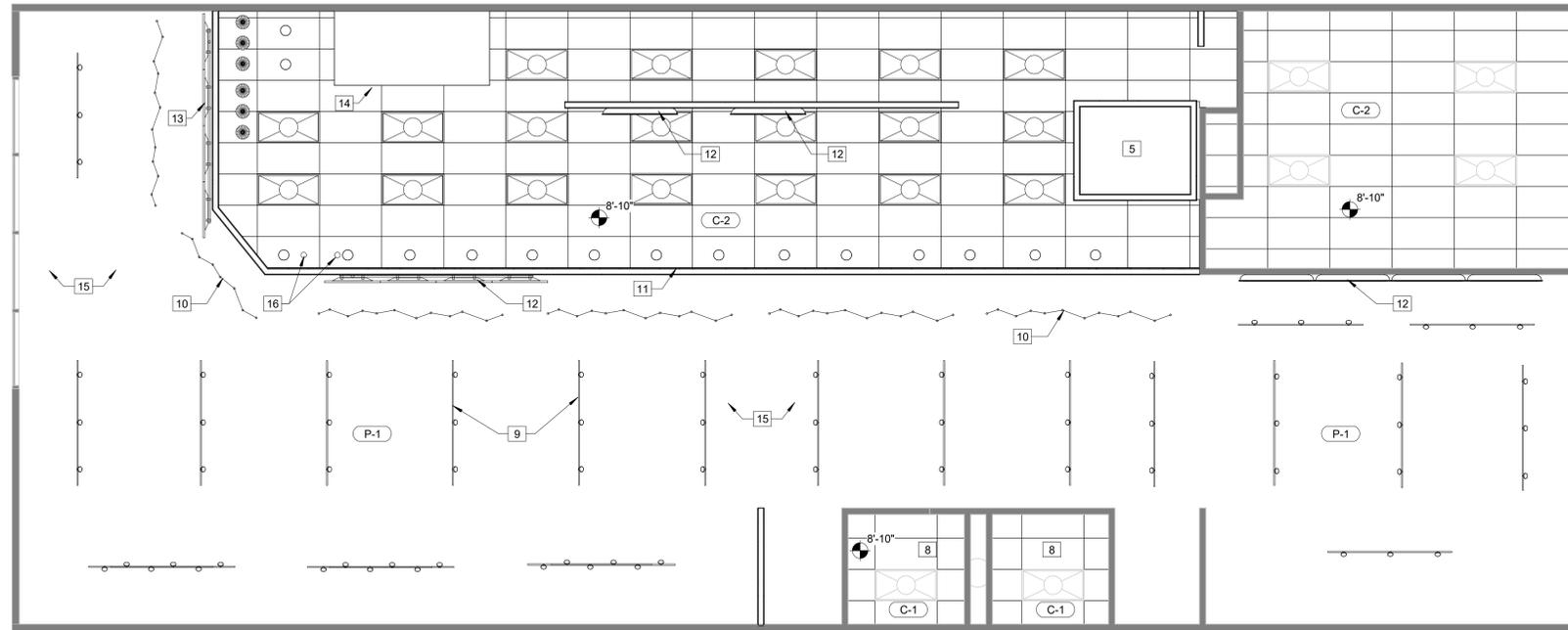
Route 21 & 79  
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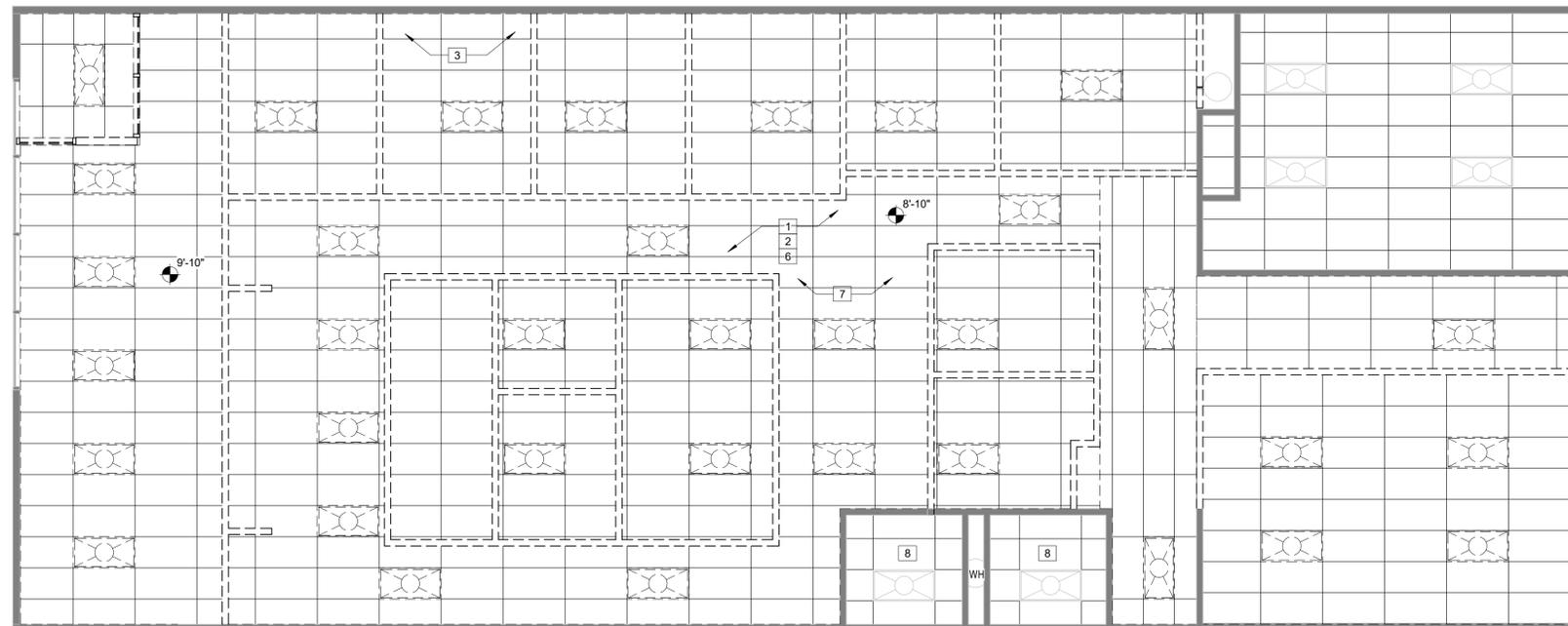
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ISSUED/REVISED	DATE

**CONSTRUCTION PLAN**



**2 REFLECTED CEILING PLAN NEW**  
SCALE: 3/16" = 1'-0"



**1 REFLECTED CEILING DEMO PLAN**  
SCALE: 3/16" = 1'-0"

KEY NOTES	
1.	DEMO EXISTING HVAC TRUNK LINE TO MEET NEW LAYOUT
2.	SPRINKLER MANS TO REMAIN
3.	DEMO EXISTING CEILING ACT TO ACCOMODATE NEW KITCHEN EXHAUST
4.	NOT USED
5.	NEW WALK-IN COOLER/FREEZER. NO CEILING TILE OVER WALK-IN COOLER
6.	REMOVE ALL EXISTING CEILING TILE/GRID/HANGERS/ACCESS/ETC (NOT SHOWN DASHED). PREP FOR NEW GRID AND TILE IN B.O.H. AREAS PER HEALTH DEPT REQUIREMENTS. PREP FOR EXPOSED STRUCTURE/OPEN CEILING, ALL PAINTED BLACK IN DINING AREA, TYP.
7.	PREP FOR NEW CEILING WALLS/SOFFIT, GRID & TILE, ETC.
8.	REWORK CEILING IN RESTROOM WITH NEW TILE, GRID, LIGHTS, ETC., TYPICAL.
9.	TRACK LIGHTS, REF ELEC.
10.	STRING LIGHTS FURNISHED BY OWNER, REF ELEC.
11.	CEILING DROP-ALIGN WITH EDGE OF COUNTER.
12.	SOFFIT MOUNTED TV MONITORS BY OTHERS. GC TO FURNISH ELECTRICAL AND VERIFY LOCATION WITH OWNER. USE 43" SIZE FOR THIS LOCATION.
13.	OWNER FURNISHED DIGITAL MENU BOARDS INSTALLED BY VENDOR-GC TO COORDINATE AND SECURE TO STRUCTURE. USE 43" SIZE FOR THIS LOCATION.
14.	NEW HOODS, REF MEP.
15.	EXPOSED/OPEN CEILING TO BE PAINTED BLACK, ALL EXPOSED ITEMS TO BE PAINTED, TYPICAL.
16.	PENDANT LIGHTS, REF ELEC.

GENERAL CONTRACTOR TO PURCHASE AND INSTALL CEILING TILE
GENERAL CONTRACTOR TO PURCHASE AND INSTALL INTERIOR LIGHTING PACKAGE

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ISSUED/REV/USD	DATE

REFLECTED CEILING PLANS



STANFORD SONOMA FINISH SCHEDULE						
TAG	MATERIAL DESCRIPTION	LOCATION	MANUFACTURER	COLOR	FINISH	COMMENTS
<b>FLOORING</b>						
F-1	6" X 48" TILE PLANK RESILIENT FLOORING	DINING ROOM, RESTROOMS, HALLS	MOHAWK GROUP	MESQUITE ETCHWORKS C084 - 12 MIL COLOR: REALIST 258	RESILIENT TILE, SLIP RESISTANT	CONTACT: VANESSA CRIDER O: 706-624-2527 VANESSA_CRIDER@MOHAWKIND.COM NO UNDERLAYMENT FLOORING INSTALLATION AT DINING & HALLWAYS GLUEDOWN @ RESTROOMS WITH SILICONE SEALANT ARE ROOM PERIMETER AND TOILETS.
F-2	6" QUARRY TILE	KITCHEN	DALTILE PAVERS	RED O084	SMOOTH FINISH	KITCHEN CONTACT: VANESSA CRIDER O: 706-624-2527 VANESSA_CRIDER@MOHAWKIND.COM
F-3	6" QUARRY TILE	KITCHEN	DALTILE PAVERS	RED O081	SURETREAD	COOLER CONTACT: VANESSA CRIDER O: 706-624-2527 VANESSA_CRIDER@MOHAWKIND.COM
<b>BASE</b>						
B-1	6" QUARRY TILE (COVE)	KITCHEN	DALTILE PAVERS	RED O084	SMOOTH FINISH	
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	4 1/4" x 12 3/4"	RESTROOMS	DALTILE	Arctic White 0190	0190A34C1MOD1P2 Cove Base	
B-4	6" RUBBER COVE BASE	HALL AND STORAGE	ROPPE PINNACLE	BLACK	BLACK	
<b>WAINSCOT AND WALLS</b>						
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	Gypsum Board/Plaster, Latex- Acrylic Semi-Gloss Finish, 3 Coat	DINING ROOM, HALLWAYS, RESTROOMS	Shervin - Williams	SW6285--Tricorn Black	One coat of B28W2600, ProMar 200 Zero VOC Interior Latex Primer Two coats of K45 Series, Pro Industrial Pre- Catalyzed Waterbased Epoxy Semi-gloss	Match in with Wallpaper
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	4'X10' FIBERBOARD REINFORCED PANEL	KITCHEN SIDE OF PARTIAL HT SERVICE COUNTER WALL	MARLITE	4'X10' FIBERBOARD REINFORCED PANEL	P-100 WHITE PEBBLE FINISH, CLASS "C" REINFORCED PANEL	KITCHEN SIDE OF PARTIAL HT SERVICE COUNTER WALL
FRP-2	4'X10' FIBERBOARD REINFORCED PANEL	BACK BAR ABOVE COUNTER	MARLITE	4'X10' FIBERBOARD REINFORCED PANEL	GREY, CLASS "C", VERIFY TEXTURE/SMOOTH WITH OWNER	BACK BAR WALL ABOVE COUNTER
SS-1	STAINLESS STEEL		SS	STAINLESS STEEL		
CT-1	4.25" X 12 3/4" SUBWAY TILE	KITCHEN, DINING- AT BEVERAGE COUNTER	DALTILE	WHITE HOT HICKORY FL90 BRIGHT WHITE POLISHED	GROUT: MAPEI -- 47 CHARCOAL GROUT LINES = 1/4" AT ALL LOCATIONS	KITCHEN CONTACT: VANESSA CRIDER O: 706-624-2527 VANESSA_CRIDER@MOHAWKIND.COM
BV-1	THIN BRICK VENEER	DINING ROOM AT MERCHANDISER	STANFORD SONOMA	GENERAL SHALE PEPPERMLL		USE THIN BRICK VENEER SYSTEM FOR INSTALLATION
<b>STOREFRONT TINT</b>						
T-1	GRAPHIC FILM 3630-22	STOREFRONT WINDOWS	3M	SCOTCHA TRANSLUCENT GRAPHIC FILM 3630-22	BLACK OPAQUE 2 MIL PRESSURE SENSITIVE	
<b>CEILING</b>						
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	

- KEY NOTES**
- NEW QUARRY TILE FLOOR, TYP. IN ALL KITCHEN, BAR & B.O.H. AREAS.
  - EXISTING HM DOOR AND FRAME TO BE PREPPED AND PAINTED.
  - DICKEYS TYPICAL BANQUETTE STYLE STRUCTURE PER STANDARDS.
  - MAINTAIN 1" AIR GAP TO WALLS AT WALK-IN COOLER.
  - TURN DOWN BAR TOP TO FLOOR FOR CLOSURE AND APPLY TYPICAL ADJACENT BASE.
  - 2.6 SCHLUTER ECK-E 1-1/2 SS CORNER GUARD.
  - PAINT EXISTING COLUMNS BLACK, ALL EXPOSED SIDES, TYPICAL. PAINT TO BE FOR METAL APPLICATION AND NON POROUS FOR HEALTH DEPT REQUIREMENTS.
  - CONCRETE PADS FOR FIXED SEATING AT BANQUETTES.
  - FINISHES TO REMAIN IN EXISTING OFFICE.
  - FINISH 'CT-1' AT BATHROOM TO GO UP 4'-0" AFF ON WET WALL

**GENERAL NOTES**

KITCHEN TO BE SUBWAY TILE AND QUARRY TILE BASE THROUGH OUT.

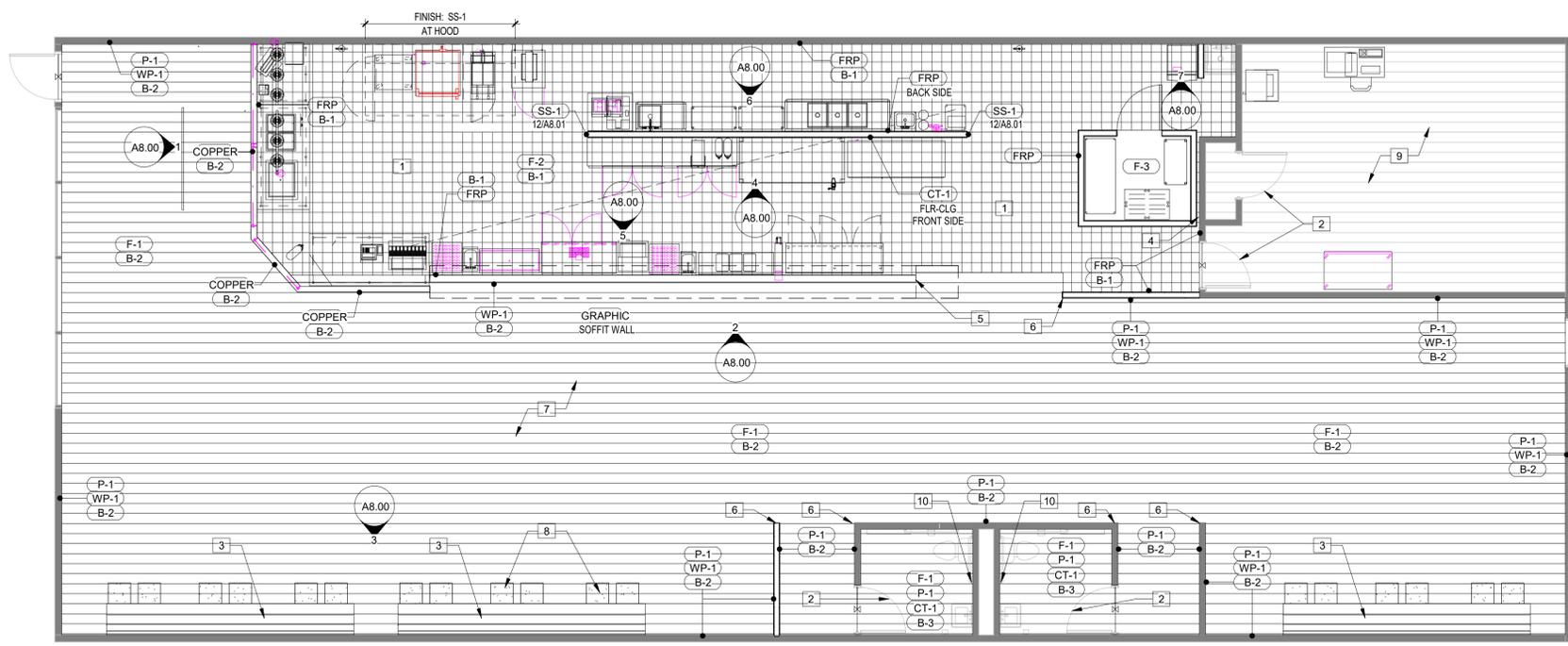
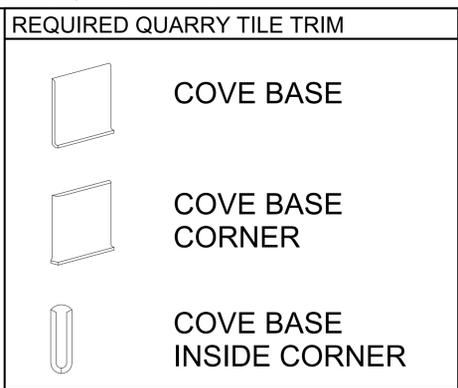
SEE INTERIOR ELEVATIONS --SHEETS A8.00 -- FOR WALL FINISHES FOR LOBBY, RESTROOMS, SERVICE.

SEE SHEET A8.01 FOR DETAILS.

CEILING TILE, LVT, QUARRY/SUBWAY TILES, WAINSCOT AND BASE MILLWORK WILL BE SUPPLIED BY STANFORD SONOMA AND PAID FOR AND INSTALLED BY GC.

BATHROOMS TO HAVE FRP INSTALLED PER 2020 CONSTRUCTION BRAND STANDARDS.

WOOD TRIM REQUIRED AT RESTROOMS.



**1 FINISH PLAN**  
SCALE: 3/16" = 1'-0"

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ISSUED/REVISED	DATE

FINISH PLAN

**A2.03**

# HEALTH DEPARTMENT NOTES

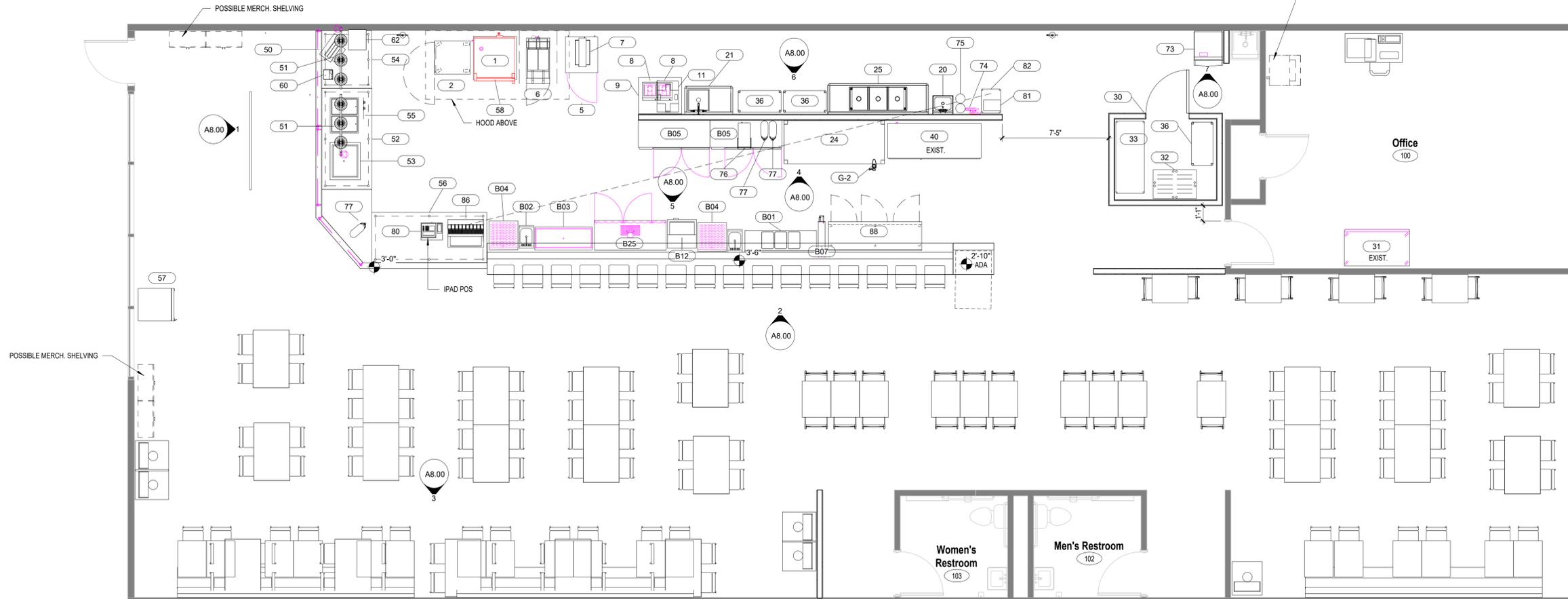
1. ALL FOOD SERVICE AND RELATED EQUIPMENT SHALL BE NATIONAL SANITATION FOUNDATION (N.S.F.) APPROVED IN CONFORMITY WITH COUNTY HEALTH REGULATIONS.
2. ALL FOOD SERVICE AND RELATED EQUIPMENT SHALL BE INSTALLED IN CONFORMITY WITH N.S.F. STANDARDS.
3. ALL UTILITY LINES (ELECTRICAL, PLUMBING, AND MECHANICAL 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.

## STANFORD EQUIPMENT LIST

ITEM	ABBR	ITEM	SIZE OR MODEL NUMBER	
62	BUN	BUN RACK	1- STANDARD	SEE EQUIP. SCHED.
A	SS T.C.	TRASH CANS	SEE PLAN	
	SEE ELEC	SS LIGHTS	SEE PLAN	
	SEE ELEC	LIGHT BULBS	SEE PLAN	
	SEE ELEC	PAPER TOWEL HOLDERS	SEE PLAN	
B	4 TBL	FOUR TOP TABLE	SEE PLAN	
C	2 TBL	TWO TOP TABLE	SEE PLAN	
D	6 TBL	SIX TOP TABLE	SEE PLAN	
E	SS W.W	WING WALL	SEE PLAN	
F	WP1	WAINSCOTING	REFURBISH EXISTING - SEE ELEVATIONS	
H	BK1	THIN BRICK	7.3/SF - SEE ELEVATIONS	
J	SS MERCH	MERCHWALL	STANDARD 30" WIDTH - SEE ELEVATIONS	
70	SS BEV. BAR	BEVERAGE BAR	STANDARD 119" - SEE PLANELEVATIONS	SEE EQUIP. SCHED.
K	SS SERV. LINE	SERVING LINE	STANDARD 240", CHIP RACK - 151" - SEE PLAN	
56	POS	POS TABLE	STANDARD 73" - SEE PLAN	SEE EQUIP. SCHED.
52	DROP IN	DROP IN TABLE	STANDARD 84" - SEE PLAN	SEE EQUIP. SCHED.
N	B-LB	BENCH- LOW BACK	STANDARD 96", 72", OR 48" - SEE PLAN	
O	B-HB	BENCH- HIGH BACK	STANDARD 96", 72", OR 48" - SEE PLAN	
P	BAR TOP	BAR TOP	FABRICATED TOP FOR BAR AND COUNTER	GC PROVIDE BRACKETS

1. General Contractor to unload and protect furnishing and equipment—a forklift and pallet jack is required  
 2. General Contractor is select all fasteners and secure all furnishing and equipment to withstand a 200# point load in any direction.

NOTE: TO BE VERIFIED BY DICKEYS, TENANT, AND GC PRIOR TO ORDERING AND INSTALLATION FOR VERIFICATION OF QUANTITY AND TO ENSURE ALL EQUIPMENT IS ORDERED/VERIFIED.



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

MARK	QTY.	DESCRIPTON	MANUFACTURER	MODEL	RESPONSIBILITY				COMMENTS
					PROCURE & ACQUIRE	STORE, DELIVER, UNLOAD & RELOCATE	BREAK & SET-IN PLACE	FINAL INSTALL	
	9	ADJUSTAGUARD	ENGLISH MFG. INC.	AMA-100	OWNER	GC	GC	GC	SNEEZE GUARDS - ADJUSTABLE
1	1	Combi-Oven	UNOX	XAVC-10FS-EPR	OWNER	GC	GC	GC	
2	1	Mobile Heated Cabinet	FWFE	PHIT-12-DB	OWNER	GC	GC	GC	FULL HEIGHT
5	1	Undercounter Freezer	Turbo Air	TWF-28SD-N	OWNER	GC	GC	GC	
6	1	Fryer, Deep Fat	Pitco	35C-S	OWNER	GC	GC	GC	
7	1	French Fry Warmer	HATCO CORPORATION	GRFF	OWNER	GC	GC	GC	
8	2	Countertop Induction Cooktop	Garland	BHBA1800	OWNER	GC	GC	GC	
9	1	Worktable	Advance Tabco	ST6R1.5-3636GBK-X	OWNER	GC	GC	GC	
11	1	ULTRA PAN CARRIER 110V	CAMBRO	UPCH400110	OWNER	GC	GC	GC	
20	1	HAND SINK, WALL MOUNT	JOHN BOOS	PBHS-W-1410-P-SSLR	OWNER	GC	GC	GC	
21	1	SINK, 1 COMPARTMENT	JOHN BOOS	1B184-1D18L	OWNER	GC	GC	GC	
22	3	SHELVING, WALL MOUNTED	Winco	VC-1836	OWNER	GC	GC	GC	
24	1	Work table, stainless steel top	JOHN BOOS	ST6-3684GSK-X	OWNER	GC	GC	GC	
25	1	SINK, 3 COMPARTMENT	JOHN BOOS	E3S8-1620-14T18	OWNER	GC	GC	GC	
30	1	Walk In Cooler, Modular	Kolpak	PX7-0808-CT	OWNER	GC	GC	GC	MANUAL
31	1	Freezer, Reach-In	Turbo Air	TSF-49SD-N	OWNER	GC	GC	GC	EXISTING EQUIPMENT FROM CLIENT/OWNER
32	1	DUNNAGE RACK	Winco	ADRK-2036	OWNER	GC	GC	GC	
33	1	Wire shelving	Eagle Group	FF2460G	OWNER	GC	GC	GC	
36	3	Wire shelving	Winco	VC-1836	OWNER	GC	GC	GC	
39	1	Mop Accessory Sink	John Boos	PB-MSS824-X	OWNER	GC	GC	GC	
40	1	Display Case, Refrigerated	True Mfg. - General Foodservice	GDM-69-HC-LD	OWNER	GC	GC	GC	EXISTING EQUIPMENT FROM CLIENT/OWNER
50	1	Toaster, Contact Grill, Conveyor type	APW Wyott	M-95-2	OWNER	GC	GC	GC	
51	2	Decorative Lamp	Hatco	DL-775-RTL	OWNER	GC	GC	GC	
52	1	42" X 84" WORKTABLE	STANFORD SONOMA	Custom	OWNER	GC	GC	GC	CONFIRM COUNTERTOP MATERIAL WITH DICKEYS
53	1	Refrigerated Cold Pans	WELLS BLOOMFIELD	RCP-200	OWNER	GC	GC	GC	
54	1	42" X 48" WORKTABLE	STANFORD SONOMA	Custom	OWNER	GC	GC	GC	CONFIRM COUNTERTOP MATERIAL WITH DICKEYS
55	1	Warmer with Auto Water Fill	WELLS BLOOMFIELD	MOC-200TDM	OWNER	GC	GC	GC	
56	1	42" X 96" WORKTABLE	STANFORD SONOMA	Custom	OWNER	GC	GC	GC	CONFIRM COUNTERTOP MATERIAL WITH DICKEYS FOR TAKE OUT "PACKAGED BEER"
57	1	Refrigerator Merchandiser	Turbo Air	TGM-23SDB-N	OWNER	GC	GC	GC	W/ BACKSPASH, CONFIRM COUNTERTOP MATERIAL WITH DICKEYS
58	1	36" X 36" WORKTABLE	STANFORD SONOMA	WT3636-BS	OWNER	GC	GC	GC	
60	1	Portion Scale	Globe	GLS30	OWNER	GC	GC	GC	
62	1	Wall mounted bun rack	STANFORD SONOMA	CUSTOM	OWNER	GC	GC	GC	
73	1	Undercounter, Ice Machine	Scotsman	UC2024MA-1	OWNER	GC	GC	GC	
74	1	Water Filter Assembly	Everpure	EV932401	OWNER	GC	GC	GC	Water filtration System, for Ice Machines
75	1	CO2	Compress Gas tanks w/ gauges	--	VENDOR	VENDOR	VENDOR/GC	VENDOR/GC	Compressed gas
76	1	Tea Brewer	BUNN	ITCB-DV-DBC	OWNER	GC	GC	GC	
77	3	TEA DISPENSER	BUNN	39600.0001	OWNER	GC	GC	GC	
80	1	POS System	POS Provider	--	VENDOR	GC	VENDOR/GC	VENDOR/GC	
81	1	Carbonator shelf	CO2 Vendor	--	VENDOR	VENDOR	VENDOR/GC	VENDOR/GC	
82	1	Bag-n-box Soda System	Eagle Group	--	VENDOR	VENDOR	VENDOR/GC	VENDOR/GC	
86	1	ICE COOLED DROP IN DISPENSER	LANCER	ICD 23300	OWNER	VENDOR	VENDOR/GC	VENDOR/GC	
88	1	Table, Enclosed Base w/ Mid-Shef & Doors	Pacific Stainless Products	CBTD7824S4S	OWNER	GC	GC	GC	NO BACKSPASH ON UNIT
B01	1	Underbar sink	Krowne Metal	18-53C	OWNER	GC	GC	GC	
B02	1	Hand Sink	Krowne Metal	KR18-1C	OWNER	GC	GC	GC	
B03	1	Ice Bin	Krowne Metal	KR18-48	OWNER	GC	GC	GC	
B04	2	Back Bar Glass Storage	Krowne Metal	KR18-GSB1	OWNER	GC	GC	GC	
B05	2	Back Bar Cooler	Krowne Metal	BS60L	OWNER	GC	GC	GC	
B07	1	Soda Gun Holder	Krowne Metal	KR24-6SH	OWNER	GC	GC	GC	
B12	1	Bottle Cooler	Krowne Metal	MC24B	OWNER	GC	GC	GC	
B25	1	Self-Contained Draft Beer Cooler	Krowne Metal	DB60L	OWNER	GC	GC	GC	
G-2	1	Can opener	Eldund	G-2	OWNER	GC	GC	GC	MANUAL

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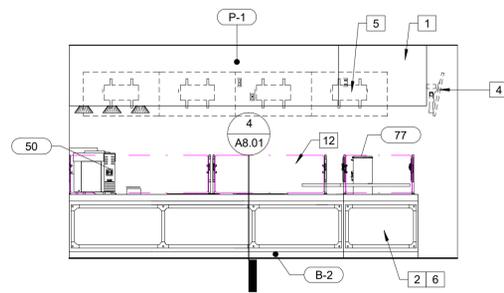


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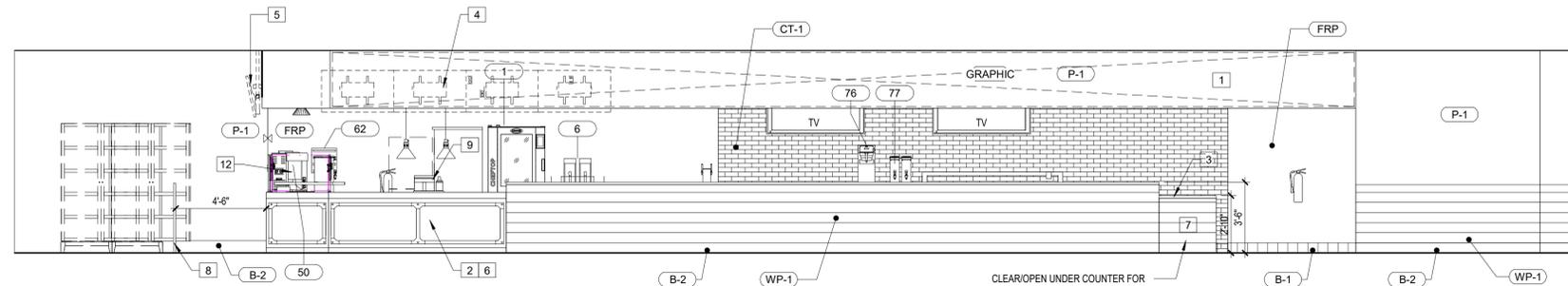
ISSUED/REVISED	DATE

EQUIPMENT PLAN

A3.01

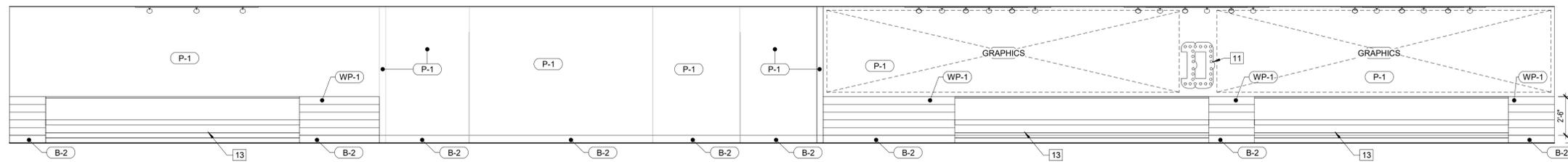


**1 Front Service Elevation**  
SCALE: 1/4" = 1'-0"

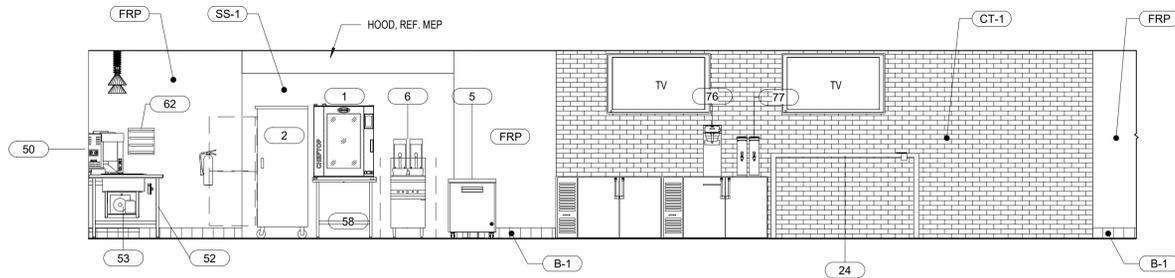


**2 Front Bar Elevation**  
SCALE: 1/4" = 1'-0"

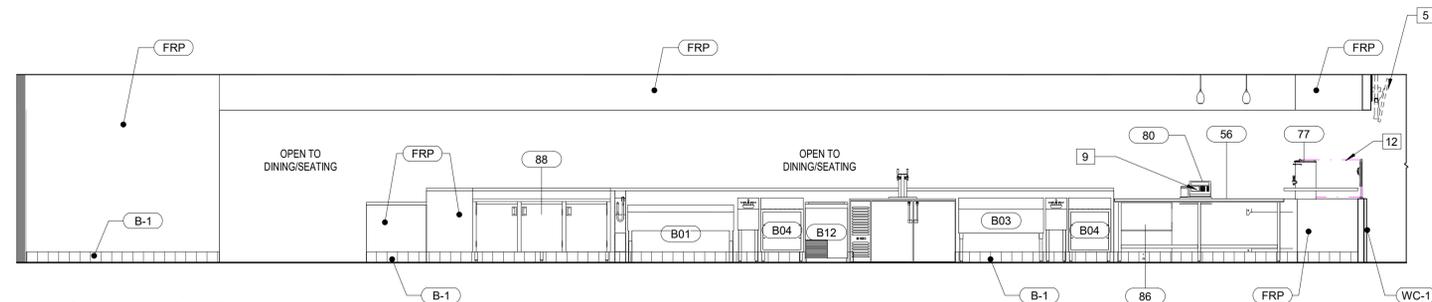
CLEAR/OPEN UNDER COUNTER FOR WHEELCHAIR APPROACH/ROLLUP. FINISHES TO MATCH ADJACENT SURFACES OF BAR. WALL FOR THIS SECTION TO BE OFFSET FROM WALL FOR MAIN PORTION OF BAR/COUNTER



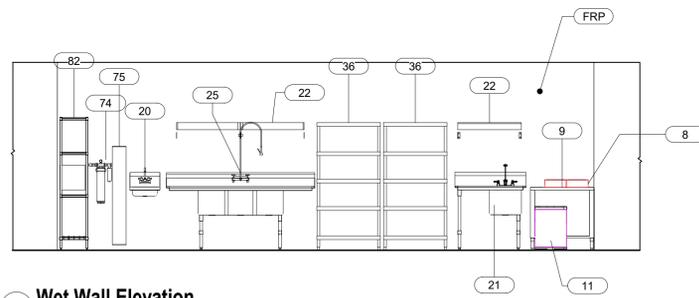
**3 Dining Elevation**  
SCALE: 1/4" = 1'-0"



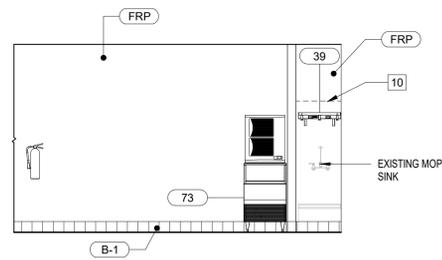
**4 Back Bar Elevation**  
SCALE: 1/4" = 1'-0"



**5 Service Bar Side Elevation**  
SCALE: 1/4" = 1'-0"



**6 Wet Wall Elevation**  
SCALE: 1/4" = 1'-0"



**7 Kitchen BOH Elevation**  
SCALE: 1/4" = 1'-0"

KEY NOTES	
1.	CEILING DROP--ALIGN WITH EDGE OF COUNTER
2.	FRONT COUNTER AND BAR WALLS BUILT BY GC. GC TO INSTALL OWNER FURNISHED ROLLED METAL PANELS TO FACE OF COUNTER. SEE DETAIL SHEET A8.01. PARTITION TYPE C
3.	ADA COUNTER AND BAR WALL BUILT BY GC. GC TO INSTALL OWNER FURNISHED ROLLED METAL PANELS TO FACE OF COUNTER. SEE DETAIL SHEET A8.01. PARTITION TYPE C.
4.	SOFFIT MOUNTED TV MONITORS BY OTHERS. GC TO FURNISH ELECTRICAL AND VERIFY LOCATION WITH OWNER.
5.	OWNER FURNISHED DIGITAL MENU BOARDS INSTALLED BY VENDOR--GC TO COORDINATE AND SECURE TO STRUCTURE. SOFFIT MOUNTED.
6.	CLARK DIETRICH PONY WALL PW24 TYP 48" OC MAX -- ATTACH STUDS TO BOTH FLANGES OF PONY WALL.
7.	CLEAR/OPEN UNDER COUNTER AREA FOR WHEELCHAIR APPROACH/ROLLUP. FINISHES TO MATCH ADJACENT SURFACES OF BAR. WALL FOR THIS SECTION TO BE OFFSET FROM WALL FOR MAIN PORTION OF BAR/COUNTER.
8.	DICKEY'S TYPICAL CUSTOMER STANCHION PER STANDARDS.
9.	POS STATION (EITHER IPOD OR STANDARD).
10.	DASHED LINE INDICATES CEMENT BOARD BEHIND SINK. CEMENT BOARD TO BE INSTALLED ON BOTH RETURN WALLS
11.	LETTER 'D' INTERIOR FIXTURE. OWNER TO PURCHASE. GC TO INSTALL. ALSO REF MEP.
12.	SNEEZE GUARDS (3) TO BE PART OF SERVING LINE FROM STANFORD SONOMA.
13.	DICKEY'S TYPICAL BANQUETTE STYLE STRUCTURE PER STANDARDS

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10/29/2021

Route 21 & 79  
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Space #2  
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Greene County

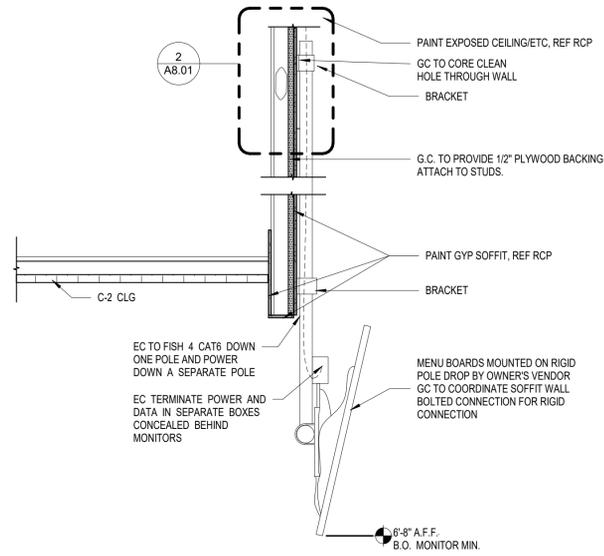


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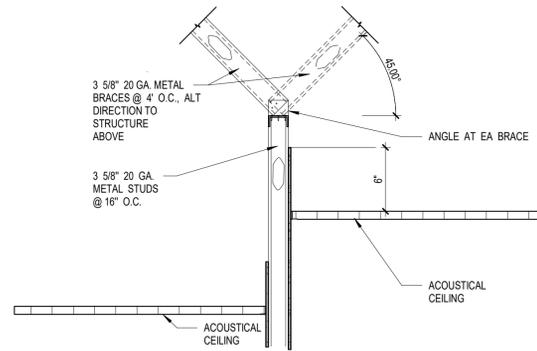
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INTERIOR ELEVATIONS

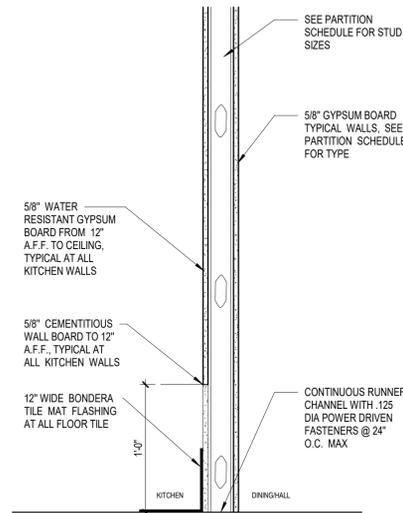
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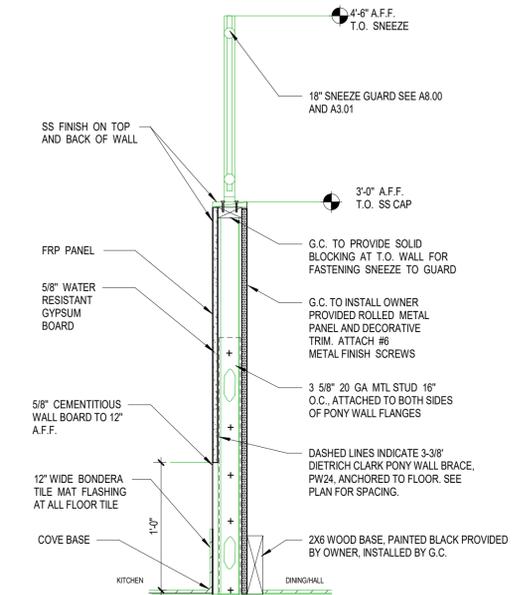
**1 DIGITAL MENU SYSTEM1**  
SCALE: 1 1/2" = 1'-0"



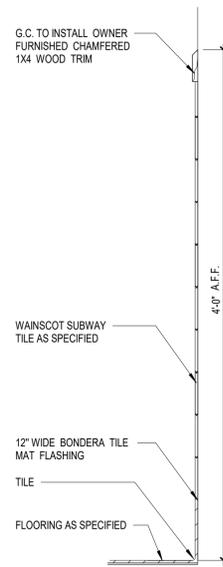
**2 DETAIL AT TYPICAL WALL SUPPORT**  
SCALE: 1 1/2" = 1'-0"



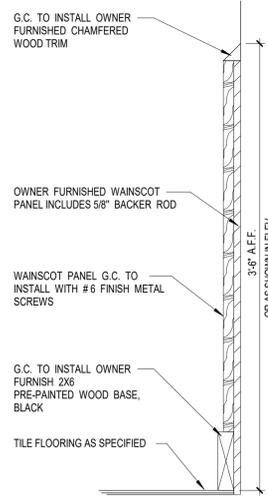
**3 DETAIL AT TYP KITCHEN WALL**  
SCALE: 1 1/2" = 1'-0"



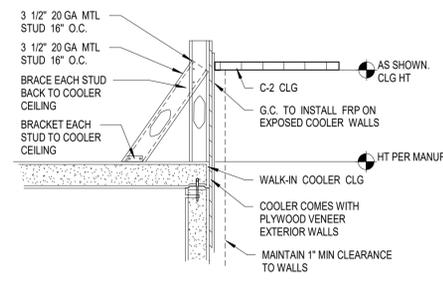
**4 SNEEZE GUARD**  
SCALE: 1 1/2" = 1'-0"



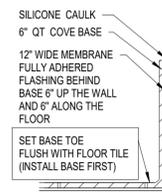
**5 WAINSCOT DETAIL @ RESTROOM**  
SCALE: 1 1/2" = 1'-0"



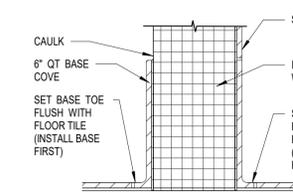
**6 WAINSCOT DTL**  
SCALE: 1 1/2" = 1'-0"



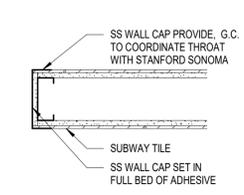
**7 DETAIL ABOVE WALK IN COOLER**  
SCALE: 1 1/2" = 1'-0"



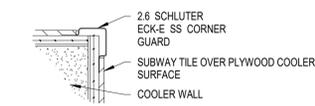
**8 SANITARY COVE QT BASE**  
SCALE: 3" = 1'-0"



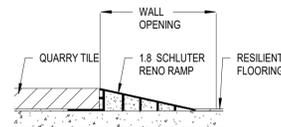
**9 SANITARY COVE QT BASE AT COOLER WALL**  
SCALE: 3" = 1'-0"



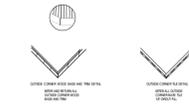
**10 SS END CAPS**  
SCALE: 3" = 1'-0"



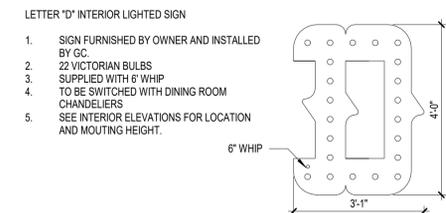
**11 SS CORNER GUARD**  
SCALE: 6" = 1'-0"



**12 FLOOR TRANSITION**  
SCALE: 6" = 1'-0"



**13 OUTSIDE CORNER DETAILS**  
SCALE: 1 1/2" = 1'-0"



**14 DETAIL D SIGN**  
SCALE: 1/2" = 1'-0"

WALK-IN COOLER NOTES	METAL STUD NOTES
<p>WALK-IN COOLER INSTALLATION NOTES:</p> <p>WALK-IN COOLER/FREEZER IS EXISTING.</p> <ol style="list-style-type: none"> <li>GC TO COORDINATE COOLER INSTALLATION AND INSTALL WALLS AND DOORS.</li> <li>G.C. TO FINISH EXPOSED COOLER WALLS WITH SUBWAY TILE.</li> <li>MC TO FURNISH AND INSTALL LINESETS AND CONTROLS.</li> <li>EC TO WIRE CONDENSER AND EVAPORATOR CIRCUITS, LIGHTS AND SWITCHES. LIGHTS ARE FURNISHED.</li> <li>PC TO PIPE CONDENSATE DRAINS TO APPROVED LOCATIONS IF REQUIRED.</li> <li>GC TO INSTALL FINISHES AND SHELVING AND CLOSURE TO CEILING.</li> </ol>	<p>METAL STUD SPACING AND LIMITING HEIGHTS (BRACING 4' OC MAX.)</p> <p>STUD PARTITION FRAMING: NON-COMPOSITE 3-5/8" 20EQ 16" OC 5-PSF L/360 LIMITING HEIGHT TO BRACING: 12'-7" (11'-0" FOR 24" OC AT SPECIAL CONDITIONS EX: ELECTRICAL PANELS) DIETRICH TRACKLOC 362TLF125-24</p> <p>CHASE WALLS FRAMING: NON-COMPOSITE 6" 20EQ 16" OC 5-PSF L/360 LIMITING HEIGHT TO BRACING: 18'-3" (11'-0" FOR 24" OC AT SPECIAL CONDITIONS EX: ELECTRICAL PANELS) DIETRICH TRACKLOC 600TLF125-24</p> <p>TENANT WALLS FRAMING: COMPOSITE 6" 25EQ 16" OC 5-PSF L/360 LIMITING HEIGHT TO BRACING: 18'-5" (11'-0" FOR 24" OC AT SPECIAL CONDITIONS EX: ELECTRICAL PANELS) DIETRICH TRACKLOC 600TLA/TLF125-18</p>

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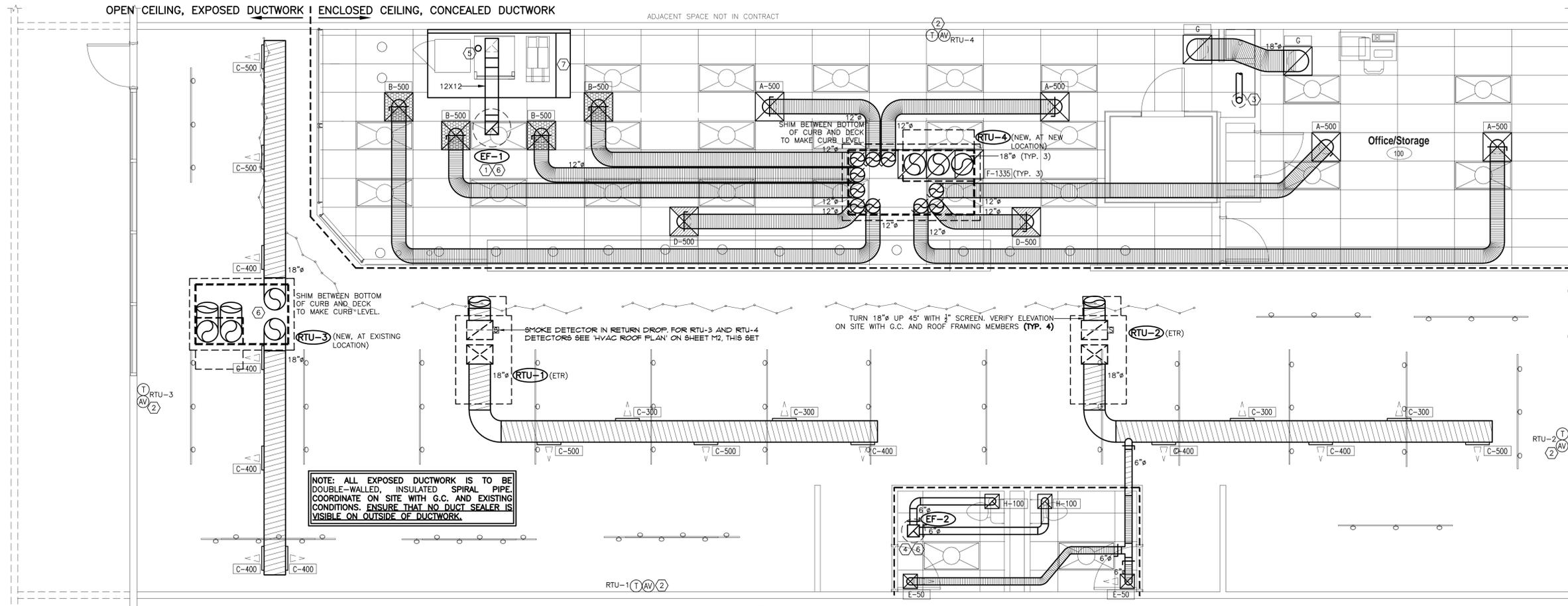


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ISSUED/REVISD \_\_\_\_\_  
DATE \_\_\_\_\_

DETAILS

A8.01



DRAWING INFORMATION		
DATE	DESCRIPTION	BY
10-22-21	FOR CONSTRUCTION	KM
10-28-21	UPDATED	KM

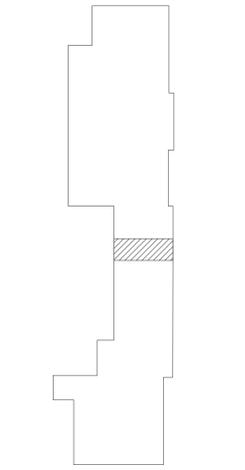
**ATTENTION GENERAL CONTRACTOR:**  
 "RE-ENGINEERING" DEVIATIONS FROM THE SHOWN DESIGN AND REQUIRED HVAC EQUIPMENT MUST BE APPROVED IN ADVANCE BY THE ARCHITECT AND PROFESSIONAL ENGINEER. UNAUTHORIZED SUBSTITUTIONS OR ALTERATIONS WILL VOID THE SIGNATURE AND SEAL OF THE PROFESSIONAL ENGINEER AND LEAVE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

**EXISTING CONDITIONS:**  
 EXCLUDING ITEMS THAT ARE EXPLICITLY STATED TO BE REUSED, THE GENERAL CONTRACTOR IS TO REMOVE EXISTING ROOFTOP UNITS, DUCTWORK, CURBS, CONTROLS, SUPPORTS, AND OTHER ACCESSORIES ASSOCIATED WITH THE ROOFTOP EQUIPMENT; REMOVE, ALTER, AND REPLACE STRUCTURAL FRAMING AS NEEDED; RE-DECK AND RE-ROOF EXISTING OPENINGS TO MATCH EXISTING ROOF; AND REMOVE ALL EXISTING GRILLES, DIFFUSERS, DUCTWORK, HANGERS, AND ASSOCIATED MATERIALS.

**CONTRACTORS NOTES**  
 HVAC CONTRACTOR  
 1. THE HVAC CONTRACTOR IS TO FURNISH AND INSTALL THE HOOD, FANS, NEW RTUS, DUCTWORK, INSULATION WRAP, GRILLES AND DIFFUSERS; SMOKE DETECTORS, AND TEMPERATURE CONTROLS. SEE KEYED NOTE #1, THIS SHEET.  
 2. ALL HVAC EQUIPMENT CURBS ARE TO BE SUPPLIED BY THE HVAC CONTRACTOR.  
 3. ALL CURBS ARE TO BE FABRICATED FROM 18 GA. GALVANIZED METAL WITH FULLY WELDED SEAMS, WATER TIGHT AND INTERNALLY INSULATED. SEAMY CURB CONVERSION SHALL NOT BE ACCEPTED.  
 4. SHIMS ARE TO BE PROVIDED BY HVAC CONTRACTOR BETWEEN THE ROOF DECK AND THE NEW CURBS TO COMPENSATE FOR ROOF PITCH.  
 5. ALL FLEX DUCT IS TO BE U.L. LISTED, R-8, 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-8, 2" X .75 DENSITY FOIL-BACKED INSULATION, WITH FIRE AND SMOKE RATING [25]-[50].  
 6. ALL DUCTWORK IS TO BE INDEPENDENTLY HUNG FROM STRUCTURAL MEMBERS.  
 7. ALL DUCTWORK IS TO BE FABRICATED, INSTALLED, SEALED, AND EXTERNALLY INSULATED PER SMACNA LOW-VELOCITY DUCT MANUAL (LATEST ISSUE), EXCLUDING THE EXTERIOR TRUNKLINES OUTSIDE OF THE BUILDING.  
 8. UNLESS OTHERWISE NOTED, ALL SUPPLY TAKEOFFS ARE TO HAVE A MANUAL VOLUME CONTROL DAMPER.  
 9. THE HVAC CONTRACTOR IS TO COORDINATE DIFFUSER LOCATIONS ON SITE WITH THE MOST RECENT REFLECTED CEILING PLAN.  
 10. THE HVAC CONTRACTOR IS TO FURNISH A WRITTEN GUARANTEE COVERING A ONE-YEAR PERIOD FOR ALL NEW HVAC EQUIPMENT AND WORK AND PROVIDE AN ADDITIONAL TWO-YEAR WARRANTY ON THE NEW RTU COMPRESSORS. ALL NEW FANS TO BE U.L. LISTED.  
 11. 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.  
 12. THE HVAC CONTRACTOR IS TO MAKE ALL LOW-VOLTAGE WIRING FINAL CONNECTIONS FOR ALL HVAC EQUIPMENT INCLUDING TEMPERATURE CONTROLS, RTUS, AND SMOKE DETECTORS.

**FLOOR PLAN - HVAC**  
 SCALE 1/4" = 1' - 0" WHEN PLOTTED 36" X 24" 211317

**NOTE: ALL EXPOSED DUCTWORK IS TO BE DOUBLE-WALLED, INSULATED SPIRAL PIPE. COORDINATE ON SITE WITH G.C. AND EXISTING CONDITIONS. ENSURE THAT NO DUCT SEALER IS VISIBLE ON OUTSIDE OF DUCTWORK.**



**BUILDING KEY**  
 SCALE 1/8" = 20' - 0"

**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 TAPS TO INSULATION USING MASTIC DUCT SEALER. ALLOW SEALER TO DRY PRIOR TO PROCEEDING.
- APPLY DUCT SEALER TO OPEN END OF COLLAR. SLIDE INNER CORE OF FLEXIBLE DUCT ONTO COLLAR, AND CONNECT PANDUIT STRAP PER MANUFACTURER'S 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. SOUJEGEE 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.

FAN SCHEDULE		
UNIT NUMBER	FF-1	FF-2
AREA SERVED	HOOD-1	RESTROOMS
MANUFACTURER	CAPTIVE AIRE	CAPTIVE AIRE
MODEL	DUBSHFA	DR10HFA
CFM	1800	200
STATIC PRESSURE, "WG	1.5	0.25
FAN HORSEPOWER	1.0	0.06
DRIVE	DIRECT	DIRECT
RPM	1569	1111
ELECTRICAL V/ø/HZ	208/3/60	120/1/60
NCA CURB L/X/W/H	23x23x26	17.5x17.5x12
ACCESSORIES	B,D,E,I,K,L,M	A,B,G,D,E,G,H,L,M
NOTES/ACCESSORIES	C. INTERLOCK WITH SALES FLOOR LIGHTS A. ALUMINIZED BIRDSCREEN B. SAFETY DISCONNECT SWITCH C. GRAVITY BACKDRAFT DAMPER D. AMCA SEAL & U.L. CERTIFIED E. SPEED CONTROL	H. 12" HIGH PREFABRICATED ROOF CURB J. INTERLOCKED BY ELECTRICIAN PER NFPA AND LOCAL CODES K. REFER TO KITCHEN BALANCE SCHEDULE L. ENSURE 10' MINIMUM INTAKE-EXHAUST CLEARANCES M. COORDINATE WITH MANUFACTURER FOR FINAL SELECTION

**KEYED NOTES**

- PROVIDE TYPE-I 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.
- PROVIDE THERMOSTAT AT 66" A.F.F. IN A WALL NEAR LOCATION SHOWN. SEAL WALL OPENINGS WITH CAULK. AUDIO-INSULATED ANNUNCIATOR TIED INTO SMOKE DETECTOR. COORDINATE LOCATIONS ON SITE WITH G.C. AND EQUIPMENT. AVOID SOURCES OF HEAT. INSULATE BACKS OF STATS.
- 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. COMBUSTION AIR IS PROVIDED VIA NATURAL DRAFT USING OUTSIDE AIR FROM THE ROOF-TOP UNITS. VERIFY LOCATION ON SITE - MAINTAIN REQUIRED CLEARANCES.
- RUN 10X10 EXHAUST DUCT TO EXHAUST FAN ON ROOF AS SHOWN. OFFSET AND TRANSITION AS NEEDED.
- TYPE "L" FLUE TO HIGHER IN ELEVATION THAN THE BOTTOM OF THE HOOD. OFFSET AND TRANSITION AT CONNECTIONS AS NEEDED. USE FACTORY-MANUFACTURED PIPE AND FITTINGS ONLY. REFER TO MANUFACTURER'S 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.
- HOOD UTILITY CABINET HOUSES HOOD CONTROLS AND FIRE SUPPRESSION TANKS.

AIR BALANCE SCHEDULE						
TAG	SUPPLY AIR	OUTSIDE AIR	RETURN AIR	EXHAUST AIR	BLDG. PRESSURE	% OUTSIDE AIR
RTU-1*	2000 CFM	300 CFM	1700 CFM	---	+ 300 CFM	15
RTU-2*	2000 CFM	300 CFM	1700 CFM	---	+ 300 CFM	15
RTU-3	3000 CFM	600 CFM	2400 CFM	---	+ 600 CFM	20
RTU-4	5000 CFM	1000 CFM	4000 CFM	---	+ 1000 CFM	20
FF-1	---	---	---	1800 CFM	- 1800 CFM	---
FF-2	---	---	---	200 CFM	- 200 CFM	---
TOTAL	12000 CFM	2200 CFM	9800 CFM	2000 CFM	+ 400 CFM	18

\* EXISTING, TO REMAIN. SET CAPACITIES AS SHOWN

AIR DEVICE SCHEDULE								
SYM.	SIZE	TYPE	DUCT SIZE	MODEL#	FINISH	BOOT SIZE	OPENING SIZE	QTY.
A*	24x24	SUPPLY 4 WAY	12"	NCA12	WHITE	12"	T-BAR	3
B**	24x24	SUPPLY PERF.	12"	APDF3-1424	WHITE	12"	T-BAR	4
C***	18x12	SUPPLY SIDEWALL	---	P620DF-1812	WHITE	12"	---	17
D*	24x24	SUPPLY 2 WAY	12"	NCA12-2P	WHITE	12"	T-BAR	2
E****	12x12	SUPPLY 1 WAY	6"	630	WHITE	12x12	SIZE +/- 1/4"	2
F	24x24	RETURN	18"	630TB	WHITE	22x22	T-BAR	3
G	24x24	TRANSFER	18"	630TB	WHITE	22x22	T-BAR	2
H	12x12	EXHAUST	6"	630	WHITE	12x12	SIZE +/- 1/4"	2

ALL DIFFUSERS SHALL BE MANUFACTURED BY METALARE OR EQUIVALENT AND 100% ALUMINUM CONSTRUCTION  
 \* PROVIDE WITH PVC99 SLIDING-BLADE DAMPER  
 \*\* PROVIDE WITH FOUR 14" TO 12" REDUCERS FOR TOPS OF DIFFUSERS  
 \*\*\* PROVIDE WITH DUAL DEFLECTION BLADES AND OPPOSED-BLADE DAMPER  
 \*\*\*\* PROVIDE WITH OPPOSED-BLADE DAMPER

PACKAGE ROOFTOP UNIT SCHEDULE (RTU-1,2,3,4)			
TAG	MANUFACTURER	RTU-1,2	RTU-3
		(EXISTING) TRANE	CARRIER
		TS060 (5 TON)	48HCED08 (7.5 TON)
		LOCATION, CURB DIMENSIONS	ROOF, 78" X 50"
		TYPE OF HEAT	NATURAL GAS
		TOTAL COOLING CAPACITY, MBTU/HR	95.2
		SENSIBLE COOLING CAPACITY, MBTU/HR	71.0
		ENTERING AIR CONDITIONS, DB/F/WB/F	80/67
		AMBIENT AIR DB TEMPERATURE, °F	95
		SUPPLY AIR, CFM	3000
		OUTSIDE AIR, CFM	SEE SCHEDULE
		EXTERNAL STATIC PRESSURE, "WG	0.75
		BHP - MEDIUM STATIC MOTOR	2.4
		E.E.R.	12.0
		GAS INPUT MBTU/HR	120/180
		GAS OUTPUT MBTU/HR	98/148
		UNIT WEIGHT, LBS	1100
		ELECTRICAL REQUIREMENT, V/PHASE/HZ	208-230/3/60
		MINIMUM CIRCUIT AMPERAGE	38.8
		MAXIMUM OVER CURRENT PROTECTION	60.0
		ACCESSORIES - RTU-3,4 ONLY:	70

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-1,2 ALSO  
 6. AQUAGUARD AG-3180E MOISTURE SENSOR FOR PRIMARY PAN \* PROVIDE FOR RTU-1,2 ALSO  
 NOTE: COORDINATE RTU PLACEMENT ON SITE PRIOR TO SETTING EQUIPMENT. IF ADJUSTMENT IS NECESSARY MAINTAIN FRESH AIR INTAKE CLEARANCES, INCLUDING EQUIPMENT ON ADJACENT SPACE.

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 Greene Plaza  
 Space #2  
 Waynesburg, PA 15370  
 Greene County



**Owner**  
 Cindy Yorio  
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 cindy Yorio.icloud.com

DATE

ISSUED/REVISED

**HVAC FLOOR PLAN, NOTES, AND SCHEDULES**

HVAC SYSTEM  
**NCA**  
 CONSULTANTS/GROUP  
 6510 N. 125TH AVENUE, SUITE #1001  
 LARGO, FLORIDA  
 PHONE: (877) 530-0078  
 CALL NCA MARKETING FOR PRICING  
 NCA JOB #211317

**M1.00**

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**HOOD INFORMATION - JOB#5153507**

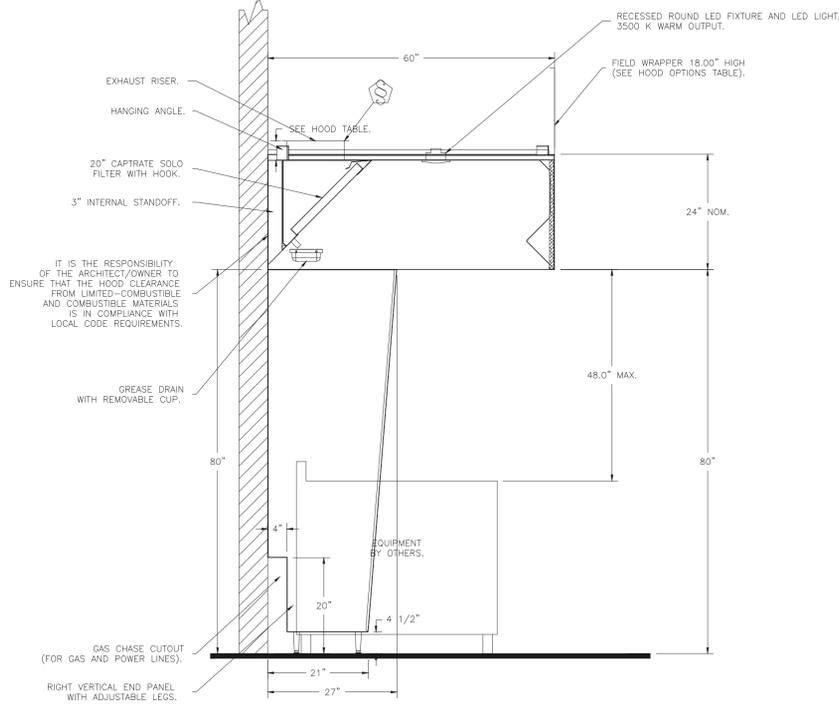
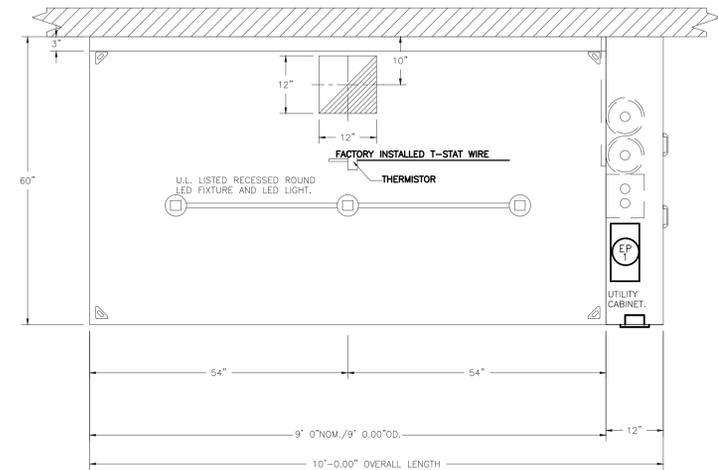
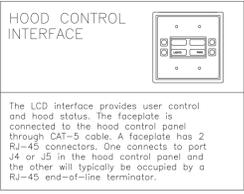
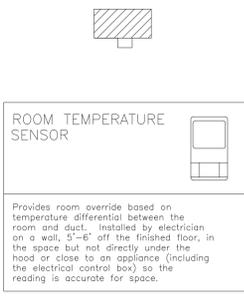
HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISE(S)				HOOD CONSTRUCTION	HOOD CONFIG			
										WIDTH	LENG	HEIGHT	DIA		CFM	VEL	SP	END TO END
1		6024 ND-2	CAPTIVEAIRE	9' 0"	600 DEG	I	HEAVY	200	1800	12"	12"	4"	1800	1800	-0.713'	430 SS WHERE EXPOSED	ALONE	ALONE

**HOOD INFORMATION**

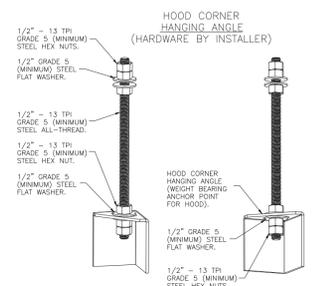
HOOD NO	TAG	FILTER(S)				LIGHT(S)				UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD HANGING WEIGHT		
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM	SIZE			ELECTRICAL MODEL #	SWITCHES QUANTITY
1		CAPTRATE SOLO FILTER	6	20"	16"	85% SEE FILTER SPEC	3	RECESSED ROUND	NO	RIGHT	12"x60"x24"	TANK FS	4.0/4.0	SC-110110MA	1 LIGHT 1 FAN	YES	813 LBS

**HOOD OPTIONS**

HOOD NO	TAG	OPTION
1		FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT. RISER SENSOR INSTALL 6IN PLEN. RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.



DRAWING INFORMATION		
DATE	DESCRIPTION	BY
10-22-21	FOR CONSTRUCTION	KM



**ASSEMBLY INSTRUCTIONS**

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

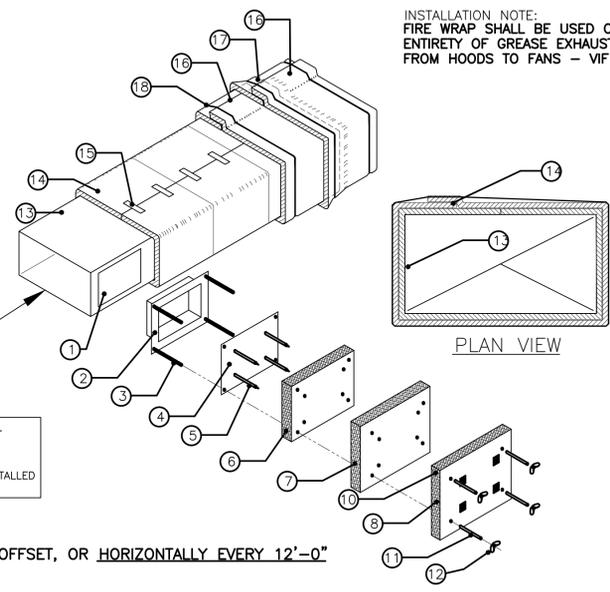
**CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH**

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

- 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 AIRE. INSTALLED CORRECTLY MAY BE EXEMPT FROM LIGHT INSPECTION IF USED.

**NOTE: ACCESS DOOR NOT REQUIRED UNLESS OFFSET, OR HORIZONTALLY EVERY 12'-0"**

**1 HR. FIRE WRAP ( "0" CLEARANCE) TO COMUSTIBLES - INSTALLATION DETAIL**

NOT TO SCALE

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DATE \_\_\_\_\_

ISSUED/REVISED

HOOD DETAILS

**M3.00**

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DATE \_\_\_\_\_

ISSUED/REVISED

HOOD DETAILS

M4.00

**ELECTRICAL PACKAGE - JOB#5153507**

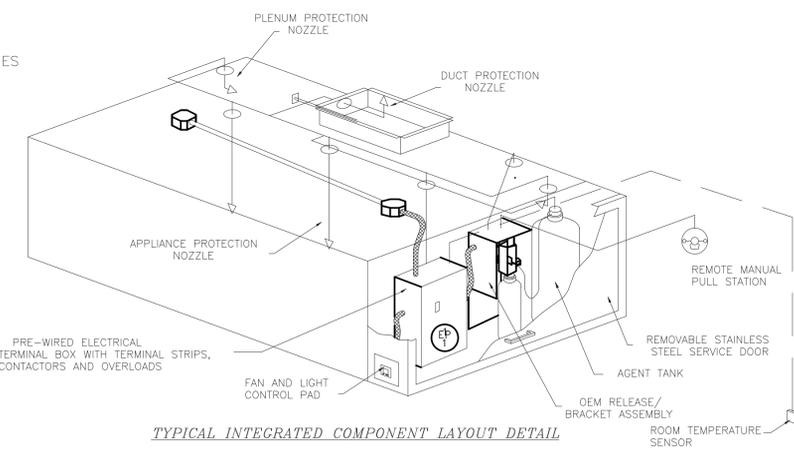
NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	HP	VOLT	FLA	
1		SC-110110MA	UTILITY CABINET RIGHT	04 - UTILITY CABINET RIGHT HOOD # 1	1 LIGHT	SMART CONTROLS THERMOSTATIC CONTROL W/ RELAY ON/OFF WITH SUPPLY	EF-1	EXHAUST	1	1,000	115	11.6

**FIRE SYSTEM INFORMATION - JOB#5153507**

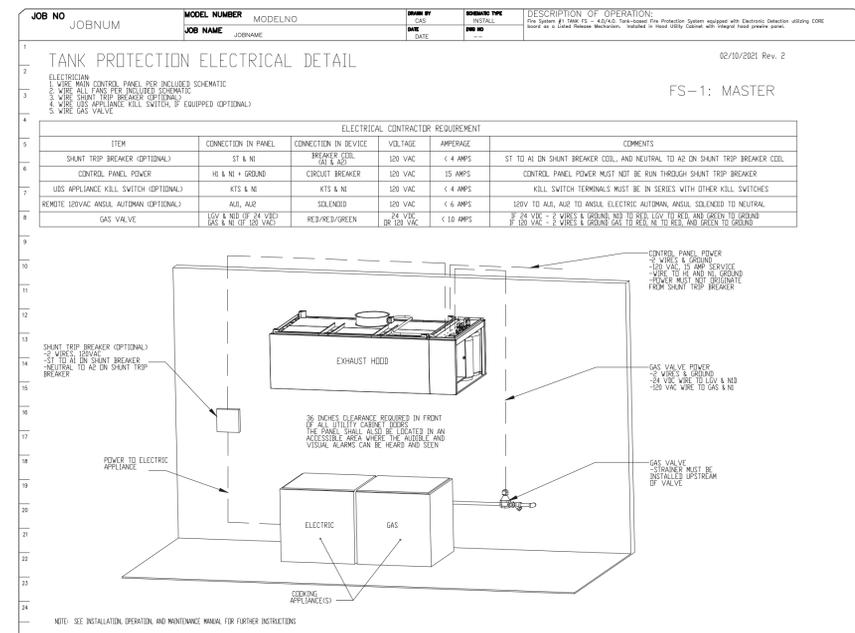
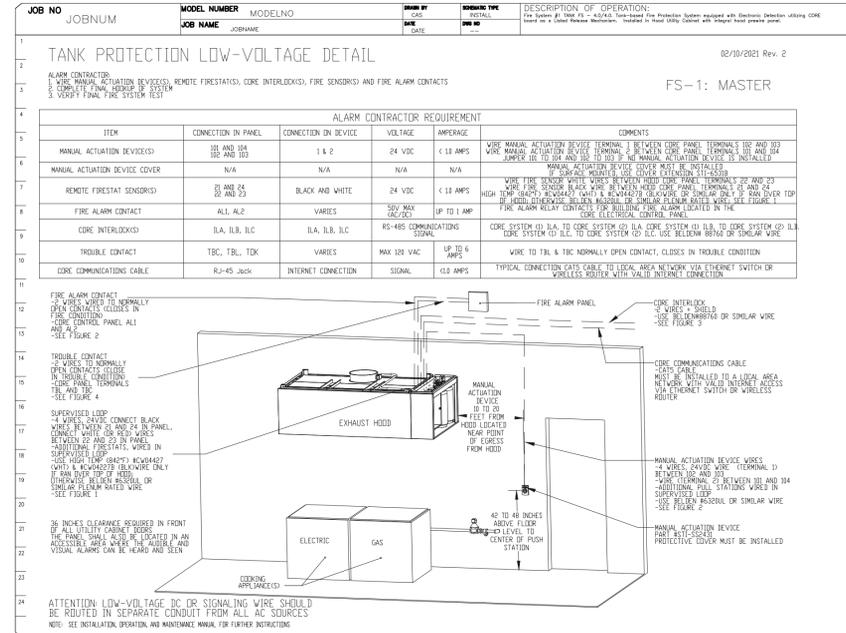
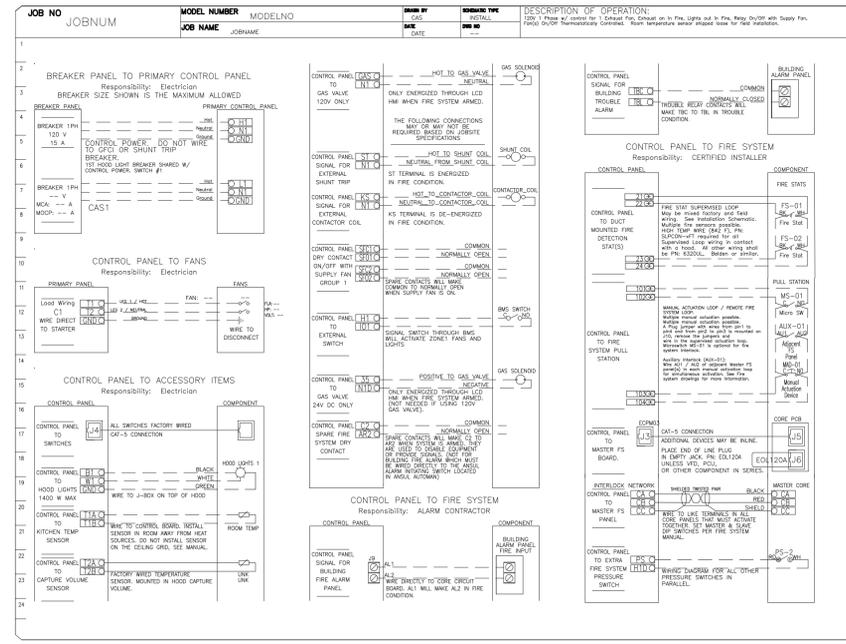
FIRE SYSTEM NO	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		TANK FS	4.0/4.0	20	FIRE CABINET RIGHT	RIGHT, HOOD 1

VERIFY GAS VALVE SIZE REQUIRED  
0.75" \_\_\_\_ 1.0" \_\_\_\_ 1.25" \_\_\_\_ 1.5" \_\_\_\_ 1.75" \_\_\_\_ 2.0"  
FIRE SUPPRESSION GAS SHUT OFF VALVE SIZE NEEDED

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



**ACTUAL FIRE SYSTEM PIPING SCHEMATIC TO BE PROVIDED BY CONTRACTED FIRE SYSTEM DISTRIBUTOR AT TIME OF PERMITTING**



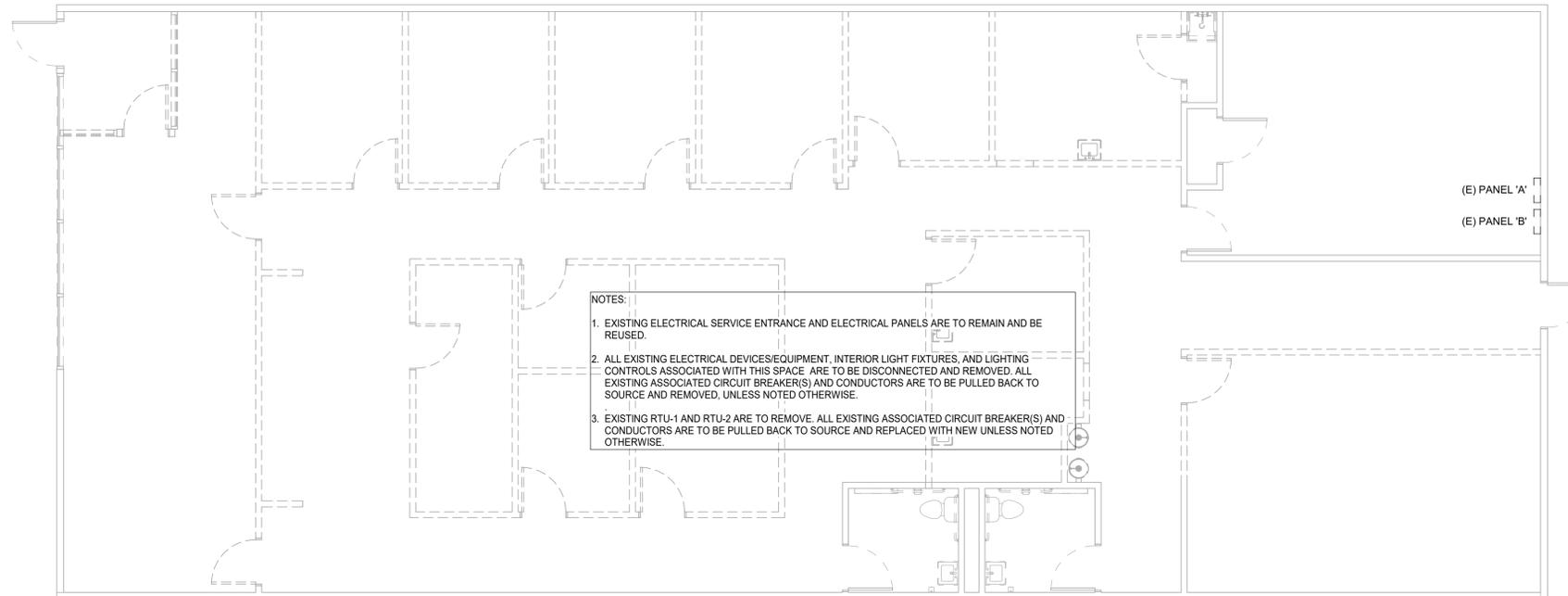
**ELECTRICIAN NOTES :**  
All Hood/Fan/EMS/UDS/PCU electrical connections and interconnections to be provided and installed by Electrician. Electrician to provide, install, and land wiring between hood lights, hood temp sensors, remote Anslu system microswitches, and any other component requiring an 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.

- 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.
  - UNLISTED EXHAUST DUCT TO BE 16 GA. GAV
  - 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 DDORS.
  - KITCHEN SHALL BE BALANCED TO BE NEGATIVE WITH RESPECT TO THE DINING ROOM.

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**1 ELECTRICAL DEMOLITION PLAN**  
Scale: 3/16" = 1'-0"

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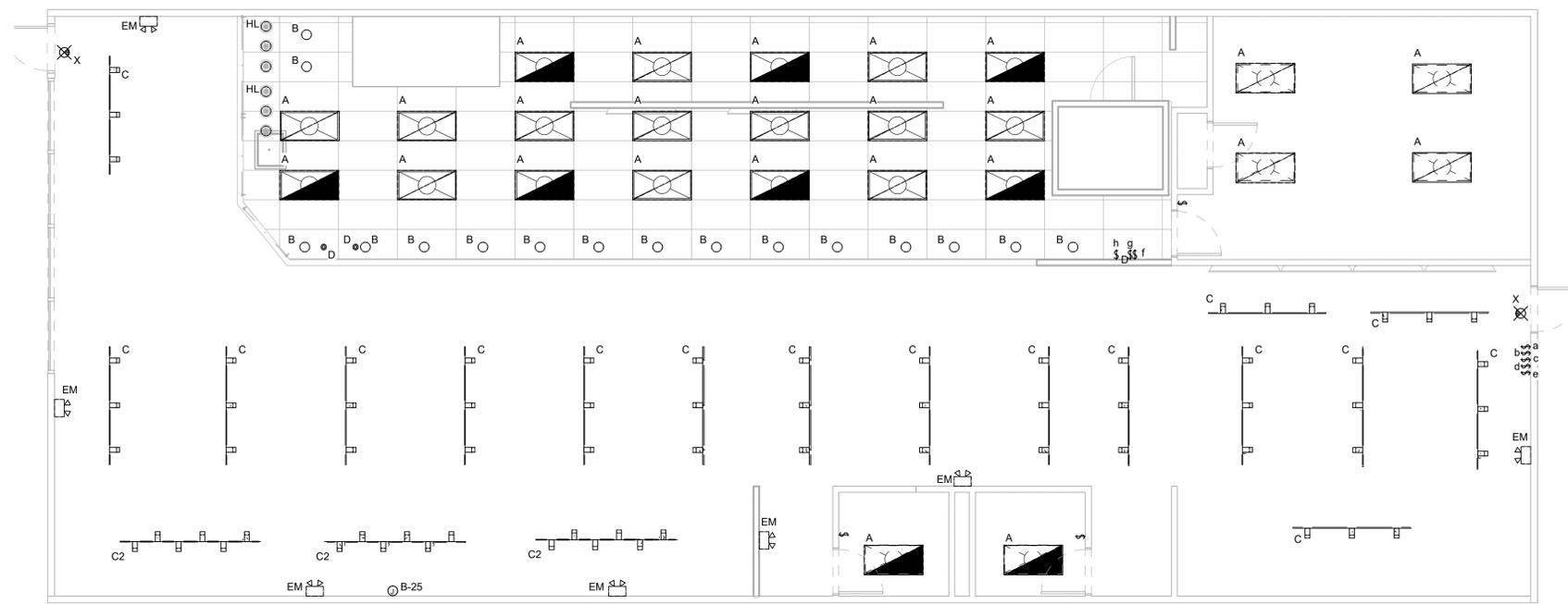
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ISSUED/REV/ISD	DATE

LIGHTING FIXTURE SCHEDULE						
MARK	MANUFACTURER & FIXTURE FAMILY	MOUNTING	NOMINAL WATTAGE	VOLTAGE	NOMINAL DELIVERED LUMENS	REMARKS
A	LITHONIA - 2BLT440LADSMZ1LP835-EL14	RECESSED GRID	30.0 W	120 V	3922 lm	2X4 LED FLAT PANEL
B	CONTECH - RL38SA335KC12D/CTR3002	RECESSED	22.0 W	120 V	1600 lm	6" LED DOWNLIGHT WITH 0-10V DIMMING, SEMI-SPECULAR FINISH, AND MEDIUM DISTRIBUTION.
C	CONTECH - LT8B	TRACK	120.0 W	120 V	2250 lm	8" LINE VOLTAGE TRACK WITH END CAPS. PROVIDE WITH LA-28 MINI CONNECTOR AND LA-23-R-B-1 CIRCUIT END FEED CURRENT LIMITING DEVICE WITH 1' ATTACHED TRACK. PROVIDE EACH TRACK SYSTEM WITH REG1-B CIRCUIT BREAKER. PROVIDE EACH TRACK SYSTEM WITH (3) LED CYLINDER TRACK FIXTURES, BLACK FINISH (CONTECH - CTL8070F30-B). LUMENS LISTED AS TOTAL LUMENS PER TRACK SYSTEM.
C2	CONTECH - LT8B	TRACK	150.0 W	120 V	1000 lm	8" LINE VOLTAGE TRACK WITH END CAPS. PROVIDE WITH LA-28 MINI CONNECTOR AND LA-23-R-B-1 CIRCUIT END FEED CURRENT LIMITING DEVICE WITH 1' ATTACHED TRACK. PROVIDE EACH TRACK SYSTEM WITH REG1-B CIRCUIT BREAKER. PROVIDE EACH TRACK SYSTEM WITH (6) LED CYLINDER
D	FOCAL POINT - FLCY3	PENDANT	20.0 W	120 V	1000 lm	LED ARCHITECTURAL CYLINDRICAL PENDANT. PROVIDE SUSPENSION HARDWARE AS REQUIRED.
EM	CONTECH - EL2HALEDEM-8	SURFACE	2.0 W	120 V		EMERGENCY LIGHTING UNIT WITH INTEGRAL BATTERY, (2) ADJUSTABLE LED HEADS, AND SELF DIAGNOSTICS.
HL	HATCO - DL-775-RT8B-BK.1	PENDANT	250.0 W	120 V	0 lm	10.5" HEAT LAMP WITH RETRACTABLE CORD AND 120V 250W CLEAR, UNCOATED BULB. PROVIDE WITH TRACK MOUNT ADAPTER.
X	CONTECH - EXREM-P	WALL/CELLING	1.0 W	120 V		EXIT SIGN WITH RED LETTERS. PROVIDE WITH NUMBER OF FACES AND DIRECTIONAL ARROWS AS INDICATED.

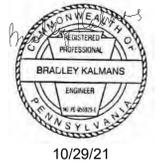
LIGHTING FIXTURE SCHEDULE NOTES:

1. FIXTURES SHOWN ON THE FLOORPLAN HAVING A DESIGNATION OF "E" FOLLOWING THE BASE DESIGNATION (I.E. - A FIXTURE TYPE "AE, C2E, FE") AND/OR A HALF SHADED REGION SHALL BE THE BASE FIXTURE TYPE EQUIPPED WITH THE APPROPRIATE BATTERY BACK-UP. BATTERY BACK-UPS SHALL BE INTEGRAL TO THE FIXTURE AND REMOTE SHALL BE SELECTED ONLY IN INSTANCES WHERE IT IS SPECIFIED OR WHEN IT IS THE ONLY AVAILABLE EMERGENCY OPTION. THE LOCATION OF REMOTE BATTERY BACKUPS SHALL BE SELECTED BY THE OWNER/ARCHITECT PRIOR TO INSTALLATION BY THE CONTRACTOR.
2. ALL REQUIRED TEST SWITCHES FOR THE BATTERY BACK-UPS SHALL BE INTEGRAL TO THE FIXTURE.
3. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS NOT INDICATED IN THE LIGHTING FIXTURE SCHEDULE. WHERE THERE IS AN INCONSISTENCY BETWEEN THE LIGHTING FIXTURE SCHEDULE AND THE SPECIFICATIONS, THE GREATER QUANTITY OR HIGHER QUALITY OF WORK SHALL BE INCLUDED IN THE PROPOSAL.
4. UNLESS OTHERWISE INDICATED ON THE SCHEDULE ABOVE, THE ARCHITECT/OWNER SHALL SELECT ALL FINISHES, COLORS, AND TRIMS.
5. ALL LED FIXTURE BOARDS AND DRIVERS SHALL BE OF THE LATEST GENERATION, BASED UPON THE INDIVIDUAL MANUFACTURER'S STATED LITERATURE. IF A "GEN 5" IS AVAILABLE, "GEN 4" FIXTURES ARE NOT ACCEPTABLE.
6. EXIT SIGNS AND EMERGENCY BATTERY BACK-UPS SHALL BE CONNECTED TO THE NEAREST LIGHTING CIRCUIT AHEAD OF ALL SWITCHING AS REQUIRED TO MAINTAIN THE BATTERIES AT FULL CHARGE. THE CONTRACTOR SHALL PROVIDE ALL ADDITIONAL WIRING AS REQUIRED.
7. LIGHTING FIXTURE MANUFACTURERS OTHER THAN THOSE LISTED IN THE LIGHTING FIXTURE SCHEDULE AND DESIRING TO BID THIS PROJECT SHALL REQUEST PRIOR APPROVAL OF THE FIXTURES THEY WISH TO SUBSTITUTE. PRIOR APPROVAL REQUEST SHALL INCLUDE FIXTURE CUT SHEETS.
8. FOR PRIOR APPROVALS AND SUBMITTALS THAT DEVIATE FROM NOMINAL WATTAGE AND/OR DELIVERED LUMENS, IT SHALL BE UP THE ENGINEER'S SOLE DISCRETION TO APPROVE OR DECLINE THESE FIXTURES BASED ON ANY AND ALL FACTORS INCLUDING BUT NOT LIMITED TO INTENDED LIGHTING LEVELS FOR EACH SPACE AND IMPACT ON THE OVERALL ELECTRICAL POWER SYSTEM.
9. ALL LIGHTING SPECIFIED SHALL BE 3500K INTERIOR UNLESS NOTED OTHERWISE.
10. ALL LIGHTING SPECIFIED SHALL HAVE 80CRI MINIMUM UNLESS NOTED OTHERWISE.
11. THE CONTRACTOR SHALL PROVIDE ALL HARDWARE AND ACCESSORIES AS REQUIRED TO INSTALL FIXTURES IN LOCATIONS AS ILLUSTRATED WITH MOUNTING METHODS DESIRED.
12. WHEN A UNIVERSAL (120-277V) VOLTAGE OPTION IS AVAILABLE, IT SHALL BE PROVIDED. OTHERWISE PROVIDE AS INDICATED IN SCHEDULE.
13. FOR ALL SUSPENDED FIXTURES, COORDINATE THE EXACT MOUNTING ELEVATION ABOVE FINISHED FLOOR WITH ARCHITECT PRIOR TO INSTALLATION. PROVIDE SUSPENSION HARDWARE IN LENGTHS AS REQUIRED.



**1 ELECTRICAL LIGHTING PLAN NEW**  
Scale: 3/16" = 1'-0"

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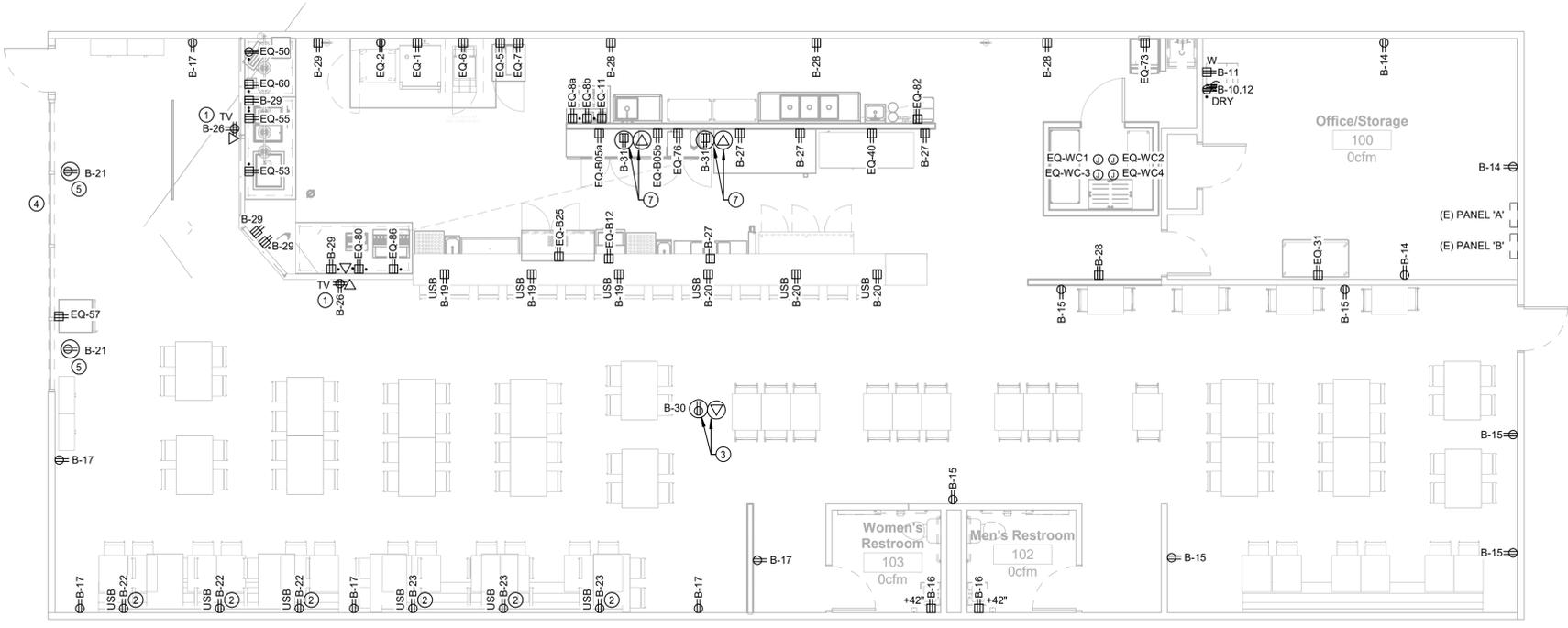
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ISSUED/REVISED	DATE

KITCHEN EQUIPMENT SCHEDULE				
MARK	DESCRIPTION	PANEL	CIRCUIT	REMARKS
EQ-1	COMBI-OVEN	A	9	PROVIDE RECEPTACLE FOR POWER.
EQ-2	MOBILE HEATED CABINET	A	8,10	PROVIDE NEMA 5-15 RECEPTACLE FOR POWER.
EQ-5	UNDERCOUNTER FREEZER	A	12	PROVIDE NEMA 5-15 RECEPTACLE FOR POWER.
EQ-6	DEEP FRYER	A	13	PROVIDE RECEPTACLE FOR FRYER CONTROLS POWER.
EQ-7	FRENCH FRY WARMER	A	17	PROVIDE NEMA 5-15 RECEPTACLE FOR POWER.
EQ-8a	COUNTERTOP COOKTOP	A	14	PROVIDE RECEPTACLE FOR POWER.
EQ-8b	COUNTERTOP COOKTOP	A	19	PROVIDE RECEPTACLE FOR POWER.
EQ-11	ULTRA PAN CARRIER	A	16	PROVIDE NEMA 5-15 RECEPTACLE FOR POWER.
EQ-31	REACH-IN FREEZER	B	13	PROVIDE RECEPTACLE FOR POWER.
EQ-40	REFRIGERATED DISPLAY CASE	A	22	PROVIDE NEMA 5-15 RECEPTACLE FOR POWER.
EQ-50	CONVEYOR TYPE TOASTER/GRILL	A	1,3	PROVIDE NEMA 6-20 RECEPTACLE FOR POWER.
EQ-53	REFRIGERATED COLD PANS	A	5	PROVIDE RECEPTACLE FOR POWER.
EQ-55	WARMER WITH AUTO WATER FILL	A	4	PROVIDE RECEPTACLE FOR POWER.
EQ-57	REFRIGERATOR MERCHANDISER	B	18	PROVIDE NEMA 5-15 RECEPTACLE FOR POWER.
EQ-60	PORTION SCALE	A	2	PROVIDE NEMA 5-15 RECEPTACLE FOR POWER.
EQ-73	UNDERCOUNTER ICE MACHINE	A	18	PROVIDE RECEPTACLE FOR POWER.
EQ-76	TEA BREWER	A	27	PROVIDE RECEPTACLE FOR POWER.
EQ-80	POS SYSTEM	A	6	PROVIDE RECEPTACLE FOR POWER.
EQ-82	BAG-N-BOX	A	21	PROVIDE RECEPTACLE FOR POWER.
EQ-86	ICE COOLED DISPENSER	A	7	PROVIDE RECEPTACLE FOR POWER.
EQ-B05a	BACK BAR	A	25	PROVIDE RECEPTACLE FOR POWER.
EQ-B05b	BACK BAR	A	20	PROVIDE RECEPTACLE FOR POWER.
EQ-B12	BOTTLE COOLER	B	2	PROVIDE RECEPTACLE FOR POWER.
EQ-B25	BEER DISPENSER	B	1	PROVIDE RECEPTACLE FOR POWER.
EQ-WC1	WALK-IN COOLER CONDENSING UNIT	B	3,5,7	PROVIDE JUNCTION BOX FOR POWER.
EQ-WC2	WALK-IN COOLER EVAPORATOR	B	4,6	PROVIDE JUNCTION BOX FOR POWER.
EQ-WC4	WALK-IN COOLER ACCESSORIES	B	8	PROVIDE JUNCTION BOX FOR POWER.
EQ-WC-3	WALK-IN COOLER ACCESSORIES	B	9	PROVIDE JUNCTION BOX FOR POWER.

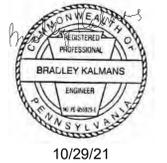
**ELECTRICAL KEYED NOTES**

- PROVIDE (1) RECEPTACLE AND (1) DATA OUTLET MOUNTED AT 8'-0" AFF FOR MONITOR POWER. DEVICE AND COVERPLATE SHALL BE BLACK. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- RECEPTACLE TO BE MOUNTED BELOW TABLE HEIGHT; COORDINATE EXACT MOUNTING HEIGHT W/ ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
- PROVIDE (1) CEILING MOUNTED RECEPTACLE AND (1) CEILING MOUNTED DATA OUTLET FOR WIRELESS ACCESS POINT; DEVICE AND COVERPLATE SHALL BE BLACK.
- PROVIDE JUNCTION BOX FOR SIGNAGE; FIELD COORDINATION EXACT LOCATION AND INSTALLATION REQUIREMENTS WITH SIGN SUPPLIER PRIOR TO BEGINNING CONSTRUCTION.
- ALL SHOW WINDOW (SW) RECEPTACLES; CEILING MOUNTED, DEVICES AND COVERPLATES SHALL BE BLACK.
- PROVIDE A 600V, 60A, 2-POLE, 1Ø SINGLE MOTOR CONTROLLED TOGGLE SWITCH.
- PROVIDE (1) CEILING MOUNTED RECEPTACLE AND (1) CEILING MOUNTED DATA OUTLET MOUNTED AT 8'-0" AFF FOR MONITOR POWER. DEVICE AND COVERPLATE SHALL BE BLACK. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.



**1 ELECTRICAL CONSTRUCTION PLAN**  
Scale: 3/16" = 1'-0"

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ISSUED/REV/USD	DATE



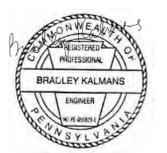




**ELECTRICAL SPECIFICATIONS:**

<p><u>GENERAL</u></p> <p>A. VERIFY ALL JOB SITE AND ARCHITECTURAL PLAN DIMENSIONS. REPORT ALL DISCREPANCIES TO ARCHITECT.</p> <p>B. CONTRACTOR SHALL INITIATE CONTACT WITH THE POWER COMPANY (RETAIL SELLER), UTILITY (TRANSMISSION AND DISTRIBUTION) AND OWNER WITHIN 14 DAYS OF NOTICE TO PROCEED TO ENSURE PERMANENT POWER WILL BE AVAILABLE TO THE SITE. AND DELAYS RESULTING FROM LACK OF THIS COORDINATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.</p> <p>C. UNLESS OTHERWISE NOTED, CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, FEES AND CHARGES REQUIRED.</p> <p>D. VISITING THE SITE: EACH BIDDER SHALL VISIT THE SITE OF THE PROPOSED WORK AND SHALL FULLY INFORM HIMSELF REGARDING THE LOGISTICS AND UTILITIES. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR WORK OR MATERIAL OMITTED FROM THE BIDDER'S CONTRACT PROPOSAL DUE TO HIS FAILURE TO SO INFORM HIMSELF BY SUCH INVESTIGATION.</p> <p>E. ALL CUTTING AND PATCHING OF ROOF, FLOOR, CEILING AND WALLS SHALL BE COMPLETED BY OR COORDINATED WITH GENERAL CONTRACTOR.</p> <p>F. FURNISH AND INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED IN THE CONSTRUCTION DOCUMENTS. ELECTRICAL CONTRACTOR TO MAKE FINAL CONNECTIONS TO ALL EQUIPMENT, UNLESS NOTED OTHERWISE.</p> <p>G. CONTRACTOR SHALL COMPLY WITH ALL GOVERNING CODES AND ORDINANCES, INCLUDING BUT NOT LIMITED TO NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION AGENCY (NFPA) AND LOCAL AUTHORITY HAVING JURISDICTION (AHJ).</p>	
<p><u>CONDUIT</u></p> <p>A. ALL ELECTRICAL CONDUCTORS SHALL BE INSTALLED IN CONDUIT COMPLYING WITH THE NEC. CONDUIT SHALL BE U.L. LISTED. APPLICABLE USE FOR CONDUIT TYPES AS FOLLOWS:</p> <ol style="list-style-type: none"> <li>EMT (ELECTRIC METALLIC TUBING) - INTERIOR CONCEALED OR EXPOSED.</li> <li>GRC (GALVANIZED RIGID CONDUIT) - EXTERIOR EXPOSED. UNDERGROUND ELBOWS AND RISES.</li> <li>PVC (POLYVINYL CHLORIDE) - UNDERGROUND OR UNDER SLAB.</li> <li>LIQUIDTIGHT FLEXIBLE METAL CONDUIT - SHALL BE USED AT ALL MOTOR CONNECTIONS OR WHERE MOVEMENT OR VIBRATION IS A CONCERN FOR EXTERIOR EQUIPMENT CONNECTIONS. LENGTH NOT TO EXCEED 3 FEET.</li> <li>FLEXIBLE STEEL CONDUIT - SHALL BE USED WHERE MOVEMENT OR VIBRATION IS A CONCERN FOR INTERIOR EQUIPMENT CONNECTIONS. LENGTH NOT TO EXCEED 3 FEET.</li> <li>MC CABLE (METAL CLAD) - MC CABLE IS PERMITTED AND SHALL COMPLY WITH NEC 330 AND BE INSTALLED IN LOCATIONS APPROVED BY LOCAL AHJ. MC CABLE NOT ALLOWED FOR EQUIPMENT CONNECTIONS. SUPPORT AND BUNDLE NEATLY ABOVE CEILING WITH BRIDLE RINGS OR J-HOOKS.</li> </ol> <p>B. MINIMUM CONDUIT SIZE, NOT UNDERGROUND OR UNDER SLAB, SHALL BE 1/2 INCH. MINIMUM CONDUIT SIZE FOR UNDERGROUND OR UNDER SLAB SHALL BE 3/4 INCH.</p> <p>C. CONDUIT FILL SHALL NOT EXCEED 40% PER NEC.</p> <p>D. CONDUIT SHALL BE SUPPORTED FROM BUILDING STRUCTURE, FRAMING, JOIST, ETC. PROVIDE HANGERS, SUPPORTS AND FASTENINGS AS REQUIRED BY NEC. DO NOT SUPPORT FROM ROOF DECK OR SUSPENDED CEILING SYSTEM. IN NO INSTANCE, SHALL CONDUIT BE INSTALLED WITHIN 6 INCHES OF ROOF DECK.</p> <p>E. ALL CONDUIT FITTINGS SHALL BE STEEL, SET SCREW OR COMPRESSION TYPE AND U.L. LISTED. PLASTIC BUSHINGS REQUIRED FOR ALL CONDUIT, 1 INCH AND LARGER.</p>	<p><u>WIRING DEVICES</u></p> <p>A. RECEPTACLES: COMMERCIAL SPECIFICATION GRADE RECEPTACLES, NEMA CONFIGURATION AS INDICATED. COORDINATE STYLE OF RECEPTACLE TO BE PROVIDED WITH ARCHITECT.</p> <ol style="list-style-type: none"> <li>20A, 125V GROUNDED DUPLEX DECORA, NEMA 5-20R; LEVITON/6852 OR EQUAL.</li> <li>20A, 125V GROUNDED DUPLEX, NEMA 5-20R; LEVITON/5362 OR EQUAL.</li> <li>SPECIAL RECEPTACLES AS NOTED ON DRAWINGS.</li> </ol> <p>B. GROUND FAULT CIRCUIT INTERRUPTER (GFCI): INSTALL A GFCI DEVICE AT EACH LOCATION SHOWN AND ADDITIONALLY PROVIDE A GFCI DEVICE WITHIN 25' OF ALL EQUIPMENT MOUNTED OUTDOORS AND/OR ON ROOFS. PROVIDE WR RATED GFCI RECEPTACLE WITH WEATHERPROOF COVER AT ALL EXTERIOR LOCATIONS. DO NOT USE FEED THROUGH FEATURE FOR GFCI DEVICES. GFCI CIRCUIT BREAKERS ALLOWED ONLY WHERE INDICATED.</p> <ol style="list-style-type: none"> <li>INTERIOR: 20A, 125V GFCI, NEMA 5-20R; LEVITON/GFWT2 OR EQUAL.</li> <li>EXTERIOR: 20A, 125V GFCI, WEATHER RESISTANT, NEMA 5-20R LEVITON/GFWT2 OR EQUAL.</li> </ol> <p>C. WALL SWITCHES: COMMERCIAL SPECIFICATION GRADE 20 AMP TOGGLE SWITCHES WITH MOUNTING YOKE INSULATED FROM MECHANISM, PLASTER EARS AND SIDE OR REAR WIRED SCREW TERMINALS.</p> <ol style="list-style-type: none"> <li>SINGLE POLE, 120/277V; LEVITON/54521 OR EQUAL.</li> <li>DOUBLE POLE, 120/277V; LEVITON/54522 OR EQUAL.</li> <li>THREE WAY, 120/277V; LEVITON/54523 OR EQUAL.</li> <li>FOUR WAY, 120/277V; LEVITON/54524 OR EQUAL.</li> </ol> <p>D. INSTALL SWITCHES ON THE STRIKE SIDE OF DOORS A HUNG. ORIENTATE SWITCHES SUCH THAT THE UP POSITION CLOSSES THE CIRCUIT. WHERE MORE THAN ONE SWITCH IS IN THE SAME LOCATION, INSTALL ALL IN A MULTI-GANG BOX WITH A SINGLE COVER PLATE.</p> <p>E. DEVICE COVER PLATES:</p> <ol style="list-style-type: none"> <li>INTERIOR - HIGH IMPACT NYLON.</li> <li>BLOCK OR MASONRY WALLS (INTERIOR) - SATIN FINISH TYPE 302 STAINLESS STEEL, JUMBO, UNLESS NOTED OTHERWISE</li> <li>SURFACE MOUNT (INTERIOR) - COVER SHALL BE 4" SQUARE RAISED TYPE TO MATCH DEVICE.</li> </ol> <p>F. FINISHES SELECTED BY ARCHITECT OR OWNER. DEVICE AND ASSOCIATED COVER FINISHES SHALL MATCH, UNLESS NOTED OTHERWISE.</p> <p>G. PROVIDE A COVERPLATE OR BLANK COVER FOR EVERY OUTLET (INCLUDING TELE/COMM).</p> <p>H. MOUNTING HEIGHTS OF ALL WIRING DEVICES SHALL COMPLY WITH CURRENT ACCESSIBILITY STANDARDS AND LOCAL CODES AS APPLICABLE. OTHERWISE MOUNT AS NOTED ON DRAWINGS.</p> <p>I. REFER TO ARCHITECTURAL DRAWING, ELEVATIONS, ETC. FOR COORDINATION OF WIRING DEVICE LOCATIONS. COORDINATE WITH OTHER SPECIALTY ITEMS, EQUIPMENT AND MILLWORK TO AVOID CONFLICTS. COORDINATE WITH ALL TRADES TO AVOID CONFLICTS PRIOR TO ROUGH-IN.</p> <p>J. PROVIDE PIGTAIL TO EACH DEVICE (PHASE, NEUTRAL AND GROUND); CONDUCTORS SHALL BE INSTALLED USING SIDE OR REAR ENTRY LUGS. DO NOT WRAP STRANDED CONDUCTORS AROUND SCREW TERMINALS. EQUIPMENT GROUND SHALL BOND TO ROUGH-IN BOX VIA GREEN THREADED SCREW.</p> <p>K. OCCUPANCY SENSORS: FURNISH THE TYPE AND QUANTITY AS REQUIRED TO MEET THE CONTROLS INTENT AS INDICATED ON DRAWINGS. THE CONTRACTOR SHALL ADJUST OCCUPANCY SENSOR FINAL LOCATIONS AS REQUIRED TO CONFORM TO THE FURNISHED OCCUPANCY SENSOR COVERAGE PATTERNS.</p> <p>L. DIMMERS: PROVIDE DIMMERS OF THE TYPE, SIZE AND VOLTAGE REQUIRED FOR PROPER OPERATION OF ASSOCIATED FIXTURE(S) BEING CONTROLLED.</p>
<p><u>ELECTRICAL BOXES &amp; FITTINGS</u></p> <p>A. INTERIOR OUTLET BOXES: PROVIDE GALVANIZED STEEL WIRING BOXES, OF THE TYPE, SHAPE, AND SIZE, INCLUDING DEPTH OF BOX, TO SUIT RESPECTIVE LOCATIONS AND INSTALLATION. BOXES SHALL HAVE STAMPED KNOCKOUTS IN BACK AND SIDES. PROVIDE APPROPRIATE PLASTER RINGS AND COVERS AS REQUIRED. PROVIDE GANG BOXES WHERE DEVICES ARE SHOWN GROUPED.</p> <p>B. EXTERIOR OUTLET BOX: PROVIDE OUTLET BOX FLUSH WITH EXTERIOR WALL AND WITH CAST ALUMINUM WEATHERPROOF COVER. PROVIDE "IN USE" TYPE COVERS WHERE NOTED. SURFACE MOUNT BOXES SHALL BE NEMA 3R CAST ALUMINUM TYPE WITH THREADED CONDUIT HUBS.</p> <p>C. FLOOR BOXES: GENERAL USE FLOOR BOXES CAN BE OF PLASTIC CONSTRUCTION, UNLESS NOTED OTHERWISE, WITH METAL TRIMS, FLANGES AND COVERS AS REQUIRED. COORDINATE TRIM FINISHES WITH ARCHITECT. SPECIAL USE BOXES SHALL BE SPECIFIED AS NOTED ON DRAWINGS. SUBMIT ALL BOXES AND ACCESSORIES FOR APPROVAL.</p> <p>D. INGROUND PULL/SPLICE BOXES: BOXES SHALL BE CONSTRUCTED OF COMPOSITE POLYMER CONCRETE REINFORCED WITH FIBERGLASS. PROVIDE OPEN BOTTOM BOX COMPLETE WITH COVER AND APPROPRIATE LOGO. UNLESS NOTED OTHERWISE, MINIMUM BOX DIMENSIONS, COVER TYPE AND USE SHALL BE SPECIFIED AS NOTED ON DRAWINGS. ALL BOXES ASSOCIATED WITH UTILITY SERVICES SHALL BE PROVIDED AND INSTALLED PER PROVIDER ENTITY STANDARDS. SUBMIT ALL BOXES AND ACCESSORIES FOR APPROVAL.</p>	
<p><u>INSTALLATION OF BOXES AND FITTINGS</u></p> <p>A. INSTALL ELECTRICAL BOXES AND FITTINGS AS SHOWN AND AS REQUIRED IN COMPLIANCE WITH NEC AND MANUFACTURER'S RECOMMENDATIONS.</p> <p>B. JUNCTION/PULL BOXES: BOXES SHALL BE SECURED TO ROOF STRUCTURE. ALL JUNCTION/PULL BOX OPENINGS SHALL BE SIDE OR BOTTOM ACCESSIBLE.</p> <p>C. PROVIDE EACH OUTLET/SPLICE BOX WITH A GROUNDING PIGTAIL. FACTORY MANUFACTURED PIGTAIL SHALL HAVE BOLTED CONNECTION TO BOX.</p> <p>D. UNLESS NOTED OR DIRECTED OTHERWISE AT INSTALLATION, PLACE OUTLET BOXES AS INDICATED ON ARCHITECTURAL ELEVATIONS AND AS REQUIRED BY LOCAL CODES.</p> <p>E. OUTLETS ABOVE COUNTERS: MOUNT LONG AXIS HORIZONTALLY. REFER TO ARCHITECTURAL ELEVATIONS AND COORDINATE TO CLEAR BACKSPASH AND MILLWORK.</p> <p>F. BOXES FOR ANY CONDUIT SYSTEM SHALL NOT BE SECURED TO SUSPENDED CEILING SYSTEM, HVAC DUCTWORK OR PIPING SYSTEMS.</p> <p>G. PROVIDE JUNCTION AND PULL BOXES FOR FEEDERS AND BRANCH CIRCUITS WHERE SHOWN AND/OR WHERE REQUIRED BY NEC.</p> <p>H. ALIGN ADJACENT WALL MOUNTED OUTLETS, UNLESS NOTED OTHERWISE.</p> <p>I. ALL BOXES SHALL BE ACCESSIBLE AS PER NEC. IF A BOX IS REQUIRED ABOVE INACCESSIBLE CEILING, COORDINATE USE OF AN ACCESS PANEL WITH ARCHITECT.</p> <p>J. OUTLET BOX SUPPORTS: OUTLET BOXES SHALL UTILIZE MOUNTING BRACKETS FOR INSTALLATION IN STUD WALLS AND WHERE FLUSH WITH CEILINGS. PROVIDE BRACKET OF THE TYPE THAT SHALL BE FASTENED ON EACH END.</p>	<p><u>DISCONNECT SWITCHES</u></p> <p>A. GENERAL: PROVIDE HEAVY DUTY TYPE DISCONNECT SWITCHES OF THE TYPE, MOUNTING AND SIZE INDICATED. SWITCHES SHALL BE RATED FOR THE VOLTAGE OF THE ASSOCIATED CIRCUIT BEING SERVED. SWITCHES USED AS MOTOR DISCONNECTS SHALL BE HORSEPOWER RATED FOR THE MOTOR SERVED. PROVIDE SOLID NEUTRAL CONNECTION VIA INSULATED LUG WHERE APPLICABLE. PROVIDE ENGRAVED TAG DENOTING EQUIPMENT SERVED.</p> <p>B. ENCLOSURES:</p> <ol style="list-style-type: none"> <li>INTERIOR GENERAL USE - NEMA 1, STEEL, UNLESS NOTED OTHERWISE.</li> <li>INTERIOR WET LOCATION (KITCHEN, FOOD PREPARATION, HOSE DOWN AND CORROSIVE AREA, ETC.) - NEMA 4X, STAINLESS STEEL.</li> <li>EXTERIOR GENERAL USE - NEMA 3R, STEEL, UNLESS NOTED OTHERWISE.</li> </ol> <p>C. SUPPORTS: PROVIDE ALL SWITCHES WITH GALVANIZED STEEL RACK WHERE MOUNTING ON WALL OR OTHER RIGID SURFACE IS IMPRACTICAL. SWITCHES SHALL NOT BE SUPPORTED BY CONDUIT ALONE. SWITCHES ARE NOT ALLOWED TO MOUNT ON EQUIPMENT. DO NOT UTILIZE DRIVE PIN THROUGH ENCLOSURE OR PLASTIC ANCHORS. SWITCHES SHALL ADHERE TO CODE REQUIRED WORKING SPACE AND SHALL BE READILY ACCESSIBLE.</p>
<p><u>PANELBOARDS</u></p> <p>A. GENERAL: ALL PANELBOARDS SHALL BE DEAD-FRONT SAFETY-TYPE EQUIPPED WITH MOLDED CASE CIRCUIT BREAKERS AS SHOWN AND SCHEDULED. ALL PANELBOARDS SHALL HAVE COPPER BUSSES. LOAD CENTER CONSTRUCTION IS NOT ACCEPTABLE. PROVIDE ENGRAVED TAG DENOTING PANEL NAME.</p> <p>B. CIRCUIT BREAKERS: CIRCUIT BREAKERS SHALL BE MOLDED CASE, THERMAL MAGNETIC TYPE PROVIDED WITH INDIVIDUALLY INSULATED, BRACED, AND BOLTED CONNECTIONS. THE FRONT FACES OF CIRCUIT BREAKERS SHALL BE FLUSH WITH EACH OTHER. TRIPPED INDICATION SHALL BE SHOWN BY THE BREAKER HANDLE TAKING A POSITION BETWEEN ON AND OFF. MAKE PREPARED SPACE PROVISIONS FOR ADDITIONAL BREAKERS SUCH THAT NO ADDITIONAL HARDWARE WILL BE REQUIRED TO ADD BREAKERS. TWO AND THREE POLE BREAKERS SHALL HAVE INTERNAL COMMON TRIPS AND FACTORY EXTERNAL HANDLE. ALL ADJUSTABLE TRIP CIRCUIT BREAKERS REQUIRE A COORDINATION STUDY TO DETERMINE AND DOCUMENT TRIP SETTINGS. ALL CIRCUIT BREAKER SHALL BE PROVIDED WITH AIC BRACING EQUAL TO OR GREATER THAN THAT OF THE PANELBOARD RATING. SERIES RATED BREAKERS NOT ALLOWED.</p> <p>C. PANELBOARD ENCLOSURES: PROVIDE SHEET STEEL ENCLOSURES, NEMA TYPE AS SCHEDULED, MINIMUM 16-GAUGE NOMINAL THICKNESS. PANELBOARDS 600 AMPS AND BELOW PROVIDE FRONTS WITH HINGED DOOR IN DOOR TYPE, INTERIOR HINGED TRIM AND FLUSH LOCK AND KEY. ALL PANELBOARD ENCLOSURES SHALL BE KEYPED ALIKE AND SHALL MATCH THE OWNER'S STANDARD KEY SYSTEM IF APPLICABLE. COORDINATE WITH OWNER. ENCLOSURE SHALL BE RECESSED OR SURFACE MOUNTED AS SCHEDULED. ENCLOSURES SHALL BE FABRICATED BY THE SAME MANUFACTURER AS PANELBOARDS INTERIORS. MULTI-SECTION PANELBOARDS SHALL HAVE SAME PHYSICAL DIMENSIONS AND BE PROVIDED WITH FEED-THRU TYPE LUGS IN SECTION 1. PROVIDE WITH INTERIOR CIRCUIT DIRECTORY FRAME. PROVIDE THREE 1 INCH CONDUITS TO ACCESSIBLE CEILING SPACE FOR ALL RECESSED PANELS.</p> <p>D. DIRECTORY: PROVIDE A TYPED CIRCUIT DIRECTORY CARD AND CLEAR PLASTIC COVERING UPON COMPLETION OF WORK. DIRECTORY CARD SHALL BE OF SUPER HEAVY-WEIGHT INDEX CARD STOCK, 110 LB, WHITE. DIRECTORY SHALL INCLUDE TYPE OF LOAD (IE: RECEPTACLES, LIGHTING, EF-1, ETC.) AND LOCATION (IE: ROOM 102 OFFICE, ETC.) ROOM NUMBER SHALL BE IDENTIFIED AS THE ACTUAL ROOM NUMBER ASSIGNED TO THE SPACE AND NOT THE ROOM NUMBER IDENTIFIED ON THE PLANS. CIRCUITS WITH SHUNT TRIP SHALL BE IDENTIFIED WITH THE CONTROL CIRCUIT OPERATING THE SHUNT TRIP (IE: KITCHEN HOOD NO. 2). SHUNT TRIP BREAKERS WITH COMMON TRIP CIRCUIT SHALL BE GROUPED TOGETHER IN THE PANELBOARD (IE: CIRCUITS 1, 3, &amp; 5). DISTRIBUTION PANELS - PROVIDE ENGRAVED LABELS WITH TYPICAL BRANCH CIRCUIT INFORMATION PER EACH CIRCUIT.</p> <p>E. CLEARANCE: ALL PANELBOARDS SHALL BE INSTALLED WITH MINIMUM REQUIRED FORWARD AND HORIZONTAL WORKING CLEARANCES PER NEC. THERE SHALL BE NO EQUIPMENT OTHER THAN CONDUIT, CONDUCTORS AND OTHER APPURTENANCES RELATING TO THE PANELBOARD INSTALLATION LOCATED WITHIN THE FOOTPRINT OF THE PANELBOARD EXTENDING UPWARDS TO THE STRUCTURE.</p>	<p><u>LIGHTING FIXTURES AND LAMPS</u></p> <p>A. WORK INCLUDED: PROVIDE LIGHTING FIXTURE WORK AS SHOWN, SCHEDULED AND SPECIFIED.</p> <p>B. QUALITY ASSURANCE:</p> <ol style="list-style-type: none"> <li>PROVIDE LED FIXTURES THAT COMPLY WITH THE DESIGN LIGHTS CONSORTIUM (DLC) STANDARDS AND ARE DLC LISTED. FIXTURES SHALL HAVE MINIMUM 5-YEAR REPLACEMENT WARRANTY FOR LED DRIVER AND LIGHT ENGINE.</li> <li>PROVIDE FLUORESCENT FIXTURES WITH BALLASTS THAT COMPLY WITH CERTIFIED BALLAST MANUFACTURERS ASSOCIATED (CBM) STANDARDS AND CARRY THE CBM MARK ON THE LABEL.</li> <li>PROVIDE HID FIXTURES WITH BALLASTS DESIGNED AND MANUFACTURED IN ACCORDANCE WITH ANSI STANDARDS.</li> <li>FIXTURES SHALL CONFORM TO APPLICABLE U.L. STANDARDS AND BE U.L. OR ETL LISTED.</li> <li>EMERGENCY FIXTURES SHALL CONFORM TO THE REQUIREMENTS OF NFPA 101, NFPA 70 (NEC) AND SHALL BE UL924 CODE COMPLIANT.</li> <li>ALL ASPECTS OF LIGHTING SHALL ADHERE TO ENERGY CODE COMPLIANCE.</li> </ol> <p>C. FIXTURE TYPES:</p> <ol style="list-style-type: none"> <li>EMERGENCY/EGRESS FIXTURE (EXIT SIGNS &amp; EMERGENCY LIGHTING UNITS) - PROVIDE FIXTURES WITH BATTERY DESIGNED TO ILLUMINATE A MINIMUM OF 90 MINUTES UPON LOSS OF POWER. FIXTURES SHALL HAVE SELF-DIAGNOSTICS FEATURE. EXIT FIXTURE DIRECTIONAL ARROWS ORIENTATION SHALL COORDINATE WITH ARCHITECTURAL EGRESS PLAN. PROVIDE AN UN-SWITCHED HOT CONDUCTOR FROM LOCAL LIGHTING CIRCUIT, TO ALL BATTERY POWERED EGRESS FIXTURES.</li> <li>LAY-IN TROFFER FIXTURES - PROVIDE LOUVERS, LENSES, REFLECTORS AS SCHEDULED. ACRYLIC PANEL STYLE LENSES SHALL BE .125 INCH THICK MINIMUM, PROVIDE TWO TIE WIRES AT OPPOSITE CORNERS OF EACH FIXTURE TO STRUCTURE.</li> <li>RECESSED DOWNLIGHT FIXTURES- PROVIDE FIXTURES WITH HOUSING AND TRIM RING COMPATIBLE WITH CEILING PER ARCHITECTURAL FINISH SCHEDULE. COORDINATE TRIM FINISH WITH ARCHITECT. WHERE INSTALLED IN GRID CEILING, PROVIDE TWO TIE WIRES AT OPPOSITE CORNERS OF EACH FIXTURE TO STRUCTURE.</li> <li>EXTERIOR FIXTURES - HOUSINGS SHALL BE ALUMINUM OR STAINLESS STEEL. FIXTURES SHALL BE U.L. LISTED FOR WET LOCATION. FINAL AIMING OF ADJUSTABLE FLOOD FIXTURES SHALL BE DONE AT NIGHT AND APPROVED BY THE ARCHITECT AND OWNER. FIXTURE PEDESTAL FOUNDATION IS THE RESPONSIBILITY OF THE CONTRACTOR</li> </ol> <p>D. INSTALLATION:</p> <ol style="list-style-type: none"> <li>STANDARDS - COMPLY WITH NEMA STANDARDS, NECA STANDARDS OF INSTALLATION AND APPLICABLE REQUIREMENTS OF NEC.</li> <li>COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLAN AND ELEVATIONS.</li> <li>INSTALL FIXTURES SUCH THAT ILLUMINATION IS NOT OBSTRUCTED. COORDINATE DISCREPANCIES WITH ENGINEER PRIOR TO INSTALLATION.</li> <li>INSTALL ALL FIXTURES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION.</li> <li>IN NO INSTANCE SHALL FIXTURES BE SUPPORTED BY SUSPENDED CEILING GRID OR ASSOCIATED SUPPORTS</li> <li>PENDANTS SHALL BE SUPPORTED TO BUILDING STRUCTURE. DO NOT SUPPORT VIA CONDUIT SYSTEM.</li> <li>PROVIDE 6 FEET LONG FIXTURE WHIPS (MC CABLE) ABOVE ACCESSIBLE CEILINGS WHERE APPLICABLE. "DAISY CHAIN" METHOD IS PROHIBITED. AT INACCESSIBLE SPACE, USE JUNCTION BOX FURNISHED WITH LIGHT FIXTURE LISTED FOR THROUGH WIRING VIA USE OF CONDUIT.</li> </ol>

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ISSUED/REVISD	DATE

**E5.00**











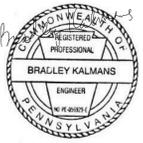
PLUMBING PIPING LEGEND	
SYMBOLS	DESCRIPTION
	SANITARY OR WASTE PIPING ABOVE GRADE (SAN)
	SANITARY OR WASTE PIPING BELOW GRADE (SAN)
	GREASE WASTE PIPING (GW)
	GREASE WASTE PIPING BELOW GRADE (GW)
	CONDENSTATE - INDIRECT DRAIN PIPING (D)
	VENT PIPING (V)
	COLD WATER PIPING (CW)
	HOT WATER PIPING (HW)
	TRAP PRIMER LINE (TP)
	FIRE PROTECTION PIPING (F)
	FLOW DIRECTIONAL ARROW
	SHUT-OFF VALVE
	BALL VALVE (BV)
	UNION
	REDUCED PRESSURE BACKFLOW PREVENTER (RPBFP)
	PIPING DOWN
	RISE OR DROP PIPING
	PIPING UP -OR- PIPING UP & DOWN
	CLEANOUT (WALL OR CEILING) (CO)
	FLOOR CLEANOUT (FCO)
	EXTERIOR CLEANOUT WITH 18"x18"x4" CONCRETE PAD (ECO)
	TWO-WAY CLEANOUT (PROVIDE 18"x24"x4" CONCRETE PAD OUTSIDE)
	FIRE HYDRANT
	FIRE DEPARTMENT CONNECTION
	BRANCH CONNECTION OUT OF SIDE
	WYE & 1/8TH BEND BRANCH CONNECTION
	WYE BRANCH CONNECTION
	HOSE BIBB
	THERMOMETER
	WALL HYDRANT
	VALVE IN RISE
	ASME TEMPERATURE & PRESSURE RELIEF VALVE
	VACUUM RELIEF VALVE
	ANGLE VALVE
	REFER TO KEYED NOTE
	FLOOR SINK (FS)
	FLOOR DRAIN (FD)
	FLOOR DRAIN WITH P-TRAP (FD)
	HUB DRAIN (HD)
	AIR CHAMBER
	INVERT ELEVATION
	DELTA CHANGE SYMBOL

GENERAL NOTES	
1.	ALL WORK, METHODS AND INSTALLATIONS INVOLVED IN THE PLUMBING DESIGN SHALL BE IN ACCORDANCE WITH THE CITY BUILDING CODE AND INSPECTION REGULATIONS AND ALL OTHER OFFICIALS HAVING JURISDICTION.
2.	THIS CONTRACTOR SHALL COORDINATE ROUTING OF PIPING IN CEILING SPACES WITH MECHANICAL AND ELECTRICAL EQUIPMENT, DUCTWORK AND CONDUIT. SHOULD A CONFLICT OCCUR THIS CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO INSTALLING AN ALTERNATE PIPING PLAN.

ELEC. WATER HEATER SCHEDULE								
ITEM NO.	KW INPUT	GALS. PER HR RECOVERY RATE @ 80°F RISE	STORAGE CAPACITY	EFFICIENCY RATING	ELECTRICAL REQUIRED	MOPP"	STORED WATER TEMP	MANUFACTURER COMMENT
EWH-1	9KW	46 GALLONS	50 GAL	92%	208V/1Ø 60HZ	60	140°F	A.O. SMITH DEL-50
<b>NOTES:</b>								
1. (*) IF THE MAXIMUM FUSE SIZE OF THE EQUIPMENT PROVIDED EXCEEDS THE SPECIFIED AMOUNT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADDITIONAL COSTS RELATED TO INCREASED FUSE SIZE / WIRE SIZE.								
2. PROVIDE COMBINATION WATER HEATER ISOLATION VALVE AND THERMAL EXPANSION RELIEF DEVIDE ON THE COLD WATER SUPPLY SERVING EWH-1, APOLLO 78-RV SERIES.								

PLUMBING FIXTURE SCHEDULE	
<b>TYPE:</b> WC-1 (A.D.A. COMPLIANT) <b>DESCRIPTION:</b> WATER CLOSET, FLOOR MOUNTED, 1.6 GALLON PER FLUSH SIPHON JET ACTION, VITREOUS CHINA, ELONGATED BOWL WITH 1-1/2" TOP SPUD INLET. AMERICAN STANDARD "MADERA" 3461.001. <b>SEAT:</b> ELONGATED OPEN FRONT WHITE PLASTIC SEAT WITH SELF-SUSTAINING CHECK HINGES. CHURCH 9505SSCT. <b>FLUSH VALVE:</b> 1.6 GALLON FLUSH CYCLE, EXPOSED, CHROME PLATED CLOSET FLUSHOMETER, VACUUM BREAKER, SPUD COUPLING FOR 1-1/2" TOP SPUD. SLOAN ROYAL 111. <b>ROUGH-INS:</b> 4" WASTE, 3" VENT, 1" COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHT.	<b>TYPE:</b> FS-1 <b>SERVICE DESCRIPTION:</b> 3-COMPARTMENT SINK CAST IRON 12" SQUARE FLOOR SINK WITH 8" DEEP SUMP. A.R.E. INTERIOR, ALUMINUM DOME BOTTOM STRAINER, STAINLESS STEEL TOP, AND CLAMPING DEVICE. MIFAB FS1730-FLC-3-P-150. <b>TRAP SEAL:</b> PROVIDE PRO-SET SYSTEMS, INC. TRAP GUARD FACTORY FITTED TO MATCH EACH FLOOR SINK BY SIZE, MODEL, AND MANUFACTURER. <b>ROUGH-IN:</b> REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION WITH ARCHITECTURAL / KITCHEN CONSULTANT DRAWINGS.
<b>TYPE:</b> L-1 (A.D.A. COMPLIANT) <b>DESCRIPTION:</b> PROVIDED BY KITCHEN CONSULTANT. <b>MIXING VALVE:</b> THERMOSTATIC MIXING VALVE, 140 DEGREES IN, 110 DEGREES OUT, BRONZE FINISH, UNION CONNECTION, SP51 PRESSURE DIFFERENTIAL, 0.5GPM MIN FLOW/4GPM MAX FLOW, SYMMONS "MAXLINE" 7-225-CK-W. <b>STRAINER:</b> 1-1/4" 17 GAUGE OFFSET WHEELCHAIR STRAINER, CHROME PLATED BRASS GRID DRAIN WITH ELBOW AND 17 GAUGE OFFSET TAILPIECE. MCGUIRE 155WC. <b>P-TRAP:</b> 1-1/4" 17 GAUGE CHROME PLATED HEAVY CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON PLATE. MCGUIRE 8872. <b>TAILPIECE:</b> GRAVITY FED TRAP PRIMER TAILPIECE, 1/2" NOMINAL BRANCH CONNECTION. SIOUX CHIEF 213-092. <b>SUPPLIES:</b> 1/2" I.P.S. X 3/8" O.D. CHROME PLATED LOOSE KEY STOP VALVE WITH ESCUTCHEON AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE 2165L. <b>ROUGH-INS:</b> 2" WASTE, 2" VENT, 1/2" HOT AND COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHT.	<b>TYPE:</b> MS-1 <b>DESCRIPTION:</b> MOP SINK BASIN, 24" X 24" X 12" TERRAZZO-WARE PRE CAST MOP SINK, COVED CORNERS, 3/8" HOSE WITH HANGER WALL, RUBBER DRAIN GASKET, STAINLESS STEEL WALL GUARDS, TILING FLANGES, STAINLESS STEEL STRAINER, 3/4" MALE HOES THREAD OUTLET. ACORN "TERRAZZO-WARE" TSH-24-KF24. <b>FAUCET:</b> CHROME PLATED BRASS FAUCET WITH INTEGRAL CHECK AND SHUT OFF STOP, WALL MOUNTED, VACUUM BREAKER SPOUT WITH BUCKET HOOK AND 3/4" HOSE THREAD OULET. VANDAL RESISTANT HANDLES, ADJUSTABLE TOP BRACE. CHICAGO 445-897SRCXKCP. <b>ROUGH-IN:</b> 3" WASTE, 2" VENT, 1/2" HOT AND COLD WATER.
<b>TYPE:</b> SK-1 - 3-COMPARTMENT SINK <b>DESCRIPTION:</b> PROVIDED BY KITCHEN CONSULTANT. <b>FAUCET:</b> TWO, WALL MOUNTED, CHROME PLATED BRASS, 12" SWING SPOUT ON 8" CENTERS. CHICAGO 540. <b>STRAINER:</b> HEAVY DUTY STEEL BASKET STRAINER WITH 1-1/2" TAILPIECE AND LOCK NUTS. MCGUIRE 151A. <b>SUPPLIES:</b> 1/2" I.P.S. X 3/8" O.D. WITH ESCUTCHEONS AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE 2165. <b>ROUGH-INS:</b> 3" WASTE, 2" VENT, 1/2" HOT AND COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHT.	<b>TYPE:</b> GT-1 <b>DESCRIPTION:</b> 250 GALLON GREASE TRAP, PRECAST CONCRETE WITH STEEL REINFORCEMENT AND MANHOLE ACCESS COMPLETE WITH TRAFFIC RATED COVERS AND FRAMES. DETAILED ON DRAWINGS. PROVIDE PARK EQUIPMENT OR APPROVED SAMPLE WELL ON DISCHARGE SIDE OF GREASE INTERCEPTOR.
<b>TYPE:</b> SK-2 - HAND SINK <b>DESCRIPTION:</b> PROVIDED BY KITCHEN CONSULTANT. <b>FAUCET:</b> PROVIDED BY KITCHEN CONSULTANT. <b>MIXING VALVE:</b> THERMOSTATIC MIXING VALVE, 140 DEGREES IN, 110 DEGREES OUT, BRONZE FINISH, UNION CONNECTION, SP51 PRESSURE DIFFERENTIAL, 0.5GPM MIN FLOW/4GPM MAX FLOW, SYMMONS "MAXLINE" 7-225-CK-W. <b>STRAINER:</b> CHROME PLATED BRASS FLAT GRID SINK STRAINER, WITH 1-1/2" X 4", 20 GAUGE TAILPIECE. MCGUIRE 152. <b>P-TRAP:</b> 1-1/2" 17 GAUGE CHROME PLATED CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON PLATE. MCGUIRE 8912. <b>SUPPLIES:</b> 1/2" I.P.S. X 3/8" O.D. WITH ESCUTCHEONS AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE 2165. <b>ROUGH-INS:</b> 3" WASTE, 2" VENT, 1/2" HOT AND COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHT.	<b>TYPE:</b> HB-1 <b>DESCRIPTION:</b> HOSE BIBB, FREEZELESS, CHROME PLATED BRASS FINISH WITH ANTI-SIPHON VACUUM BREAKER. INSTALL WITH BOTTOM OF HYDRANT 24" A.F.F. WOODFORD MODEL 30. <b>ROUGH-INS:</b> 3/4" COLD WATER
<b>TYPE:</b> SK-3 - DISHTABLE SINK <b>DESCRIPTION:</b> PROVIDED BY KITCHEN CONSULTANT. <b>FAUCET:</b> CHROME PLATED DECK MOUNTED PRE-RINSE FACUET ON 8" CENTERS. CHICAGO 527-919SLCP. <b>STRAINER:</b> HEAVY DUTY STEEL BASKET STRAINER WITH 1-1/2" TAILPIECE AND LOCK NUTS. MCGUIRE 151A. <b>SUPPLIES:</b> 1/2" I.P.S. X 3/8" O.D. WITH ESCUTCHEONS AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE 2165. <b>ROUGH-INS:</b> 3" WASTE, 2" VENT, 1/2" HOT AND COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHT.	<b>TYPE:</b> FCO <b>SERVICE:</b> FLOOR CLEANOUT, CAST IRON BODY WITH SECONDARY O-RING TEST SEAL AND ADJUSTABLE COMBINED ACCESS COVER/PLUG TOP ASSEMBLY WITH PRIMARY GASKET SEAL, AND ROUND SCORRIATED NICKEL BRONZE COVER. MIFAB C1100-R-1.
<b>TYPE:</b> SK-4 - HAND SINK <b>DESCRIPTION:</b> PROVIDED BY KITCHEN CONSULTANT. <b>FAUCET:</b> CHROME PLATED DECK MOUNTED PRE-RINSE FACUET ON 8" CENTERS. CHICAGO 527-919SLCP. <b>MIXING VALVE:</b> THERMOSTATIC MIXING VALVE, 140 DEGREES IN, 110 DEGREES OUT, BRONZE FINISH, UNION CONNECTION, SP51 PRESSURE DIFFERENTIAL, 0.5GPM MIN FLOW/4GPM MAX FLOW, SYMMONS "MAXLINE" 7-225-CK-W. <b>P-TRAP:</b> 1-1/2" 17 GAUGE CHROME PLATED CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON PLATE. MCGUIRE 8912. <b>STRAINER:</b> HEAVY DUTY STEEL BASKET STRAINER WITH 1-1/2" TAILPIECE AND LOCK NUTS. MCGUIRE 151A. <b>SUPPLIES:</b> 1/2" I.P.S. X 3/8" O.D. WITH ESCUTCHEONS AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE 2165. <b>ROUGH-INS:</b> 3" WASTE, 2" VENT, 1/2" HOT AND COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHT.	<b>TYPE:</b> IMC-1 <b>DESCRIPTION:</b> ICE MACHINE CONNECTION, WATER SUPPLY VALVED AT WALL. PROVIDE DOUBLE CHECK VALVE TYPE BACKFLOW PREVENTER, WATTS 1/2" 007-S BACKFLOW PREVENTER, ROUTE BACKFLOW PREVENTER DISCHARGE TO FLOOR SINK SERVING ICE MACHINE. <b>ROUGH-INS:</b> 3/4" COLD WATER. COORDINATE ROUGH-IN LOCATION/HEIGHT, FINAL CONNECTION WITH EQUIPMENT BEING INSTALLED AND WITH ARCHITECT/CASEWORK DRAWINGS.
<b>TYPE:</b> SK-5 - 3 COMPARTMENT SINK <b>DESCRIPTION:</b> PROVIDED BY KITCHEN CONSULTANT. <b>FAUCET:</b> TWO, WALL MOUNTED, CHROME PLATED BRASS, 12" SWING SPOUT ON 8" CENTERS. CHICAGO 540. <b>STRAINER:</b> HEAVY DUTY STEEL BASKET STRAINER WITH 1-1/2" TAILPIECE AND LOCK NUTS. MCGUIRE 151A. <b>SUPPLIES:</b> 1/2" I.P.S. X 3/8" O.D. WITH ESCUTCHEONS AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE 2165. <b>ROUGH-INS:</b> 3" WASTE, 2" VENT, 1/2" HOT AND COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHT.	<b>TYPE:</b> IMC-2 <b>DESCRIPTION:</b> ICE MACHINE CONNECTION, WATER SUPPLY VALVED AT WALL. PROVIDE DOUBLE CHECK VALVE TYPE BACKFLOW PREVENTER, WATTS 1/2" 007-S BACKFLOW PREVENTER, ROUTE BACKFLOW PREVENTER DISCHARGE TO FLOOR SINK SERVING ICE MACHINE. <b>ROUGH-INS:</b> 3/4" COLD WATER. COORDINATE ROUGH-IN LOCATION/HEIGHT, FINAL CONNECTION WITH EQUIPMENT BEING INSTALLED AND WITH ARCHITECT/CASEWORK DRAWINGS.
<b>TYPE:</b> FD-1 <b>DESCRIPTION:</b> FLOOR DRAIN, CAST IRON BODY, ADJUSTABLE 7" NICKEL BRONZE STRAINER, CLAMPING COLLAR. MIFAB F-1100. <b>TRAP SEAL:</b> PROVIDE PRO-SET SYSTEMS, INC. TRAP GUARD FACTORY FITTED TO MATCH EACH HUB DRAIN BY SIZE, MODEL, AND MANUFACTURER. <b>ROUGH-IN:</b> REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION AND INSTALLATION WITH ARCHITECTURAL DRAWINGS.	<b>GENERAL NOTES:</b> ALL LAVATORIES AND SINKS SHALL BE SUPPLIED WITH HOT AND COLD WATER TO FAUCETS AS INDICATED ON PLANS AND FIXTURE SCHEDULE. PROVIDE CHROME PLATED BRASS SUPPLY STOPS WITH LOOSE KEYS AND WALL ESCUTCHEONS. PROVIDE CHROME PLATED FLEXIBLE RISERS OF SIZE REQUIRED TO PROPERLY CONNECT FIXTURES. PROVIDE 17 GAUGE CHROME PLATED CAST BRASS P-TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON. REFER TO SPECIFICATIONS FOR ACCEPTABLE MANUFACTURERS AND FIXTURE SCHEDULE FOR MINIMUM SIZES OF PLUMBING FIXTURE ROUGH-INS. PROVIDE MOLDED CLOSED CELL ANTI-MICROBIAL VINYL INSULATION KITS AT ALL LAVATORIES AND SINKS REQUIRED TO BE A.D.A. ACCESSIBLE (MCGUIRE OR TRUBRO). ALL SUCH FIXTURES AND FINAL INSTALLATIONS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (A.D.A.). INSERT TRAP GUARDS AFTER FINAL RODDING OF DRAINS. INSTALL TRAP GUARD WITH CLEAR SILICONE CAULK FOR GAS-TIGHT SEAL. FOR DRAIN RODDING AFTER INSTALLATION. INSERT SEWER TAPE THROUGH LIGHTLY GREASED 1-1/2" PVC PIPE TO PROTECT TRAP GUARD. APPROVED EQUAL MANUFACTURERS AND MODEL NUMBERS CAN BE PROVIDED FOR THE MANUFACTURERS AND MODEL NUMBERS OF THE FIXTURES AND EQUIPMENT LISTED IN THE ABOVE SPECIFICATIONS.

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