

**Dickey's Barbecue Restaurants, Inc.**  
 Lou D'Ambrosia  
 4514 Cole Avenue, Suite 1015  
 Dallas, TX 75205  
 972.248.9899  
 LDambrosia@dickeys.com

**Owner**  
 Cynthia D. Yorio  
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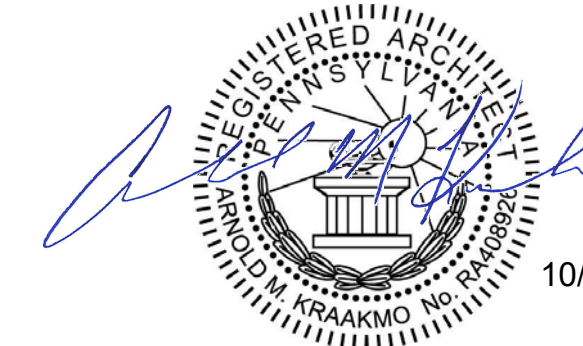


# RETAIL STORE

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  
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 IN CONJUNCTION WITH KDW, P.S.



**Elec & Plumbing ENGINEERS**

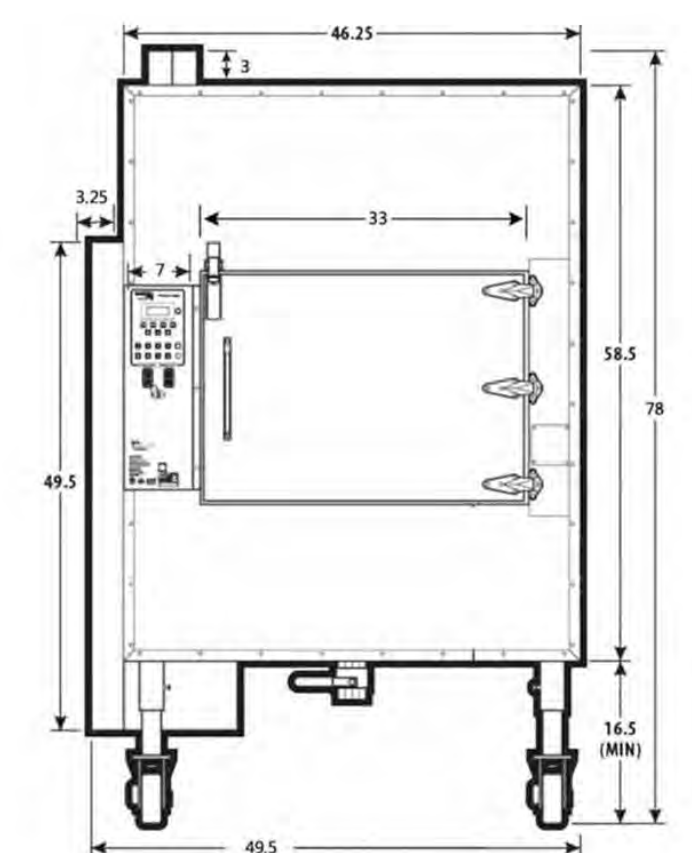
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**Mech ENGINEERS**

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ABBREVIATIONS		SYMBOLS		SHEET INDEX & SCOPE OF WORK		MAP		DICKEY'S	
#	POUND OR NUMBER	ELEC	ELECTRICAL	NOM	NOMINAL	G0.01	COVER SHEET		
&	AND	ELEV	ELEVATOR OR ELEVATION	OC	ON CENTER	T1.1	SPECIFICATIONS		
@	AT	EPDM	ETHYLENE PROPYLENE DIENE M-CLASS (ROOFING)	OH	OPPOSITE HAND	T1.2	ADA STANDARDS		
ACT	ACOUSTICAL CEILING TILE			OZ	OUNCE	T1.3	ADA STANDARDS		
AD	AREA DRAIN	EQ	EQUAL	PC	PLUMBING CONTRACTOR	A0.00	LIFE SAFETY PLAN		
A.F.F.	ABOVE FINISH FLOOR	EXIST	EXISTING	PCC	PRE-CAST CONCRETE	A1.00	DEMOLITION PLAN		
ALUM	ALUMINUM	EXP_JT	EXPANSION JOINT	PLMB	PLUMBING	A2.01	CONSTRUCTION PLAN		
ANOD.	ANODIZED	EXT	EXTERIOR	PLYD	PLYWOOD	A2.02	REFLECTED CEILING PLANS		
BSMT	BASEMENT	FD	FLOOR DRAIN OR FIRE DEPARTMENT	PT	PRESSURE TREATED	A2.03	FINISH PLAN		
BYND	BEYOND	FEC	FIRE EXTINGUISHER CABINET	PNT	PAINT OR PAINTED	A3.01	EQUIPMENT PLANS		
BOT	BOTTOM	FIXT	FIXTURE	PVC	POLYVINYL CHLORIDE	A8.00	INTERIOR ELEVATIONS		
CIP	CAST IN PLACE	FLR	FLOOR	RBR	RUBBER	A8.01	DETAILS		
CHNL	CHANNEL	FM	FILLED METAL	RCP	REFLECTED CEILING PLAN	M1.00	HVAC PLANS		
CJ	CONTROL JOINT	FO	FACE OF	RD	ROOF DRAIN	M2.00	HVAC ROOF PLANS/DETAILS		
CL	CENTER LINE	FND	FOUNDATION	REQD	REQUIRED	M3.00	HOOD DETAILS		
CLG	CEILING	GA	GAUGE	RM	ROOM	M4.00	HOOD DETAILS		
CLR	CLEAR	GALV	GALVANIZED	SIM	SIMILAR	E1.00	ELECTRICAL DEMO PLANS		
CMU	CONCRETE MASONRY UNIT	GC	GENERAL CONTRACTOR	SPEC	SPECIFIED OR SPECIFICATION	E1.01	ELECTRICAL LIGHTING PLAN		
COL	COLUMN	GWB	GYPSSUM WALL BOARD	SPK	SPRINKLER OR SPEAKER	E2.00	ELECTRICAL CONSTRUCTION PLAN		
COMPR	COMPRESSIBLE	HC	HOLLOW CORE	SSTL	STAINLESS STEEL	E2.01	ELECTRICAL CONNECTIONS PLAN		
CONC	CONCRETE	HI	HIGH	STC	SOUND TRANSMISSION COEFFICIENT	E3.00	ELECTRICAL RISER DIAGRAM/NOTES		
CONT	CONTINUOUS	HMI	HOLLOW METAL	STL	STEEL	E4.00	ELECTRICAL PANELS		
CPT	CARPET	HP	HIGH POINT	STRUCT	STRUCTURE OR STRUCTURAL	E5.00	ELECTRICAL SPECS		
CT	CERAMIC TILE	HR	HOOR	T&G	TONGUE AND GROOVE	P1.00	DEMOLITION PLAN		
CTYD	COURTYARD	HVAC	HEATING, VENTILATING AIR CONDITIONING	TEL	TELEPHONE	P1.01	PLUMBING PLAN		
DBL	DOUBLE	LO	IN LIEU OF	TLT	TOILET	P2.00	DETAILS		
DEMO	DEMOLISH OR DEMOLITION	INSUL	INSULATED OR INSULATION	TO	TOP OF	P3.00	SCHEDULES/LEGENDS		
DIA	DIAMETER	INT	INTERIOR	TOC	TOP OF CONCRETE	P4.00	PLUMBING SPECS		
DM	DIMENSION	LO	LOW	TOS	TOP OF STEEL				
DIMS	DIMENSIONS	MAX	MAXIMUM	TPD	TOILET PAPER DISPENSER				
DN	DOWN	MO	MASONRY OPENING	TID	TELEPHONE/DATA				
DR	DOOR	MCH	MECHANICAL	TOP	TOP OF				
DWG	DRAWING	MEMBR	MEMBRANE	UNO	UNLESS NOTED OTHERWISE				
DS	DOWNSPOUT	MIN	MINIMUM	UIS	UNDERSIDE				
EA	EACH	MRGWB	MOISTURE-RESISTANT GYPSUM	VIF	VERIFY IN FIELD				
EC	ELECTRICAL CONTRACTOR	MTL	METAL	VP	VISION PANEL				
EJ	EXPANSION JOING	MTL	METAL	WF	WITH				
EL	ELEVATION	NIC	NOT IN CONTRACT	WD	WOOD				
		NO	NUMBER						

GENERAL NOTES		OVEN DELIVERY	
1. 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.	8. The contractor shall visit the site prior to contract bidding and familiarize himself with any conditions relevant to the successful construction of the store.	20. 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.	28. 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 (SIFIA) member and follow the guidelines and instructions set forth by SIFIA.
2. 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.	9. The General contractor shall provide fire extinguisher in the locations and quantities and directed by the Fire Marshall but shall provide at least one.	21. 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.	29. 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.
3. An approved set of plans shall be maintained on the job site at all times.	10. 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	22. 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.	30. Conform to manufacturer's installation instructions and provide all warranties.
4. 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.	11. 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#	23. 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:	31. 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.
5. All construction shall conform to the applicable codes and authority requirements.	12. Oven and hood to be set before counters	24. 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.	32. Dimensions are to face of finish unless clearly shown otherwise.
6. Provide partial lien waivers with any request for payment and final waivers at completion of the work and Certificate of Occupancy	13. 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.	25. 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.	33. 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.
7. 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:	14. Seal all tile joints with penetrating silicone sealant in two applications after the grout has been allowed to fully cure.	26. 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.	34. 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
A. Demolition and space preparation--schedule utility services if required	15. Seal small joints with flush clear silicone caulk.	27. 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.	35. Lighting package for entire store is provided by CED National Accounts. Dining room chandelier provided by Stanford Sonoma. GC to install only.
B. Underground utilities, testing, inspection, photograph	16. 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.		36. The Anslu 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.
C. Rough-in, keep the floors clear and unobstructed for all trades requiring ladders and scaffolding	17. 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.		
D. 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	18. 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.		
E. Install flooring under ovens and any flooring that extends under the walk in walls	19. 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.		
F. 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			
G. Install finishes			
H. Set fixtures, equipment, furnishing, signage and install trim			
I. Schedule final inspections in the proper order and obtain the Certificate of Occupancy			



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.









**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:**

**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, Director, Certification Services**

Intertek Testing Services NA, Inc.  
8431 Murphy Drive, Middleton, WI 53562 USA  
Phone 608-824-7440 Fax 608-831-9279



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

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

<b>Testing Standard(s):</b>	ASTM E1509 (2004) UL 1482 (2000) UL C 5627 (2000) UL Subject 2162 (2001) UL 1482 (March 2010) UL 1482 (October 2010)
<b>Product:</b>	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.

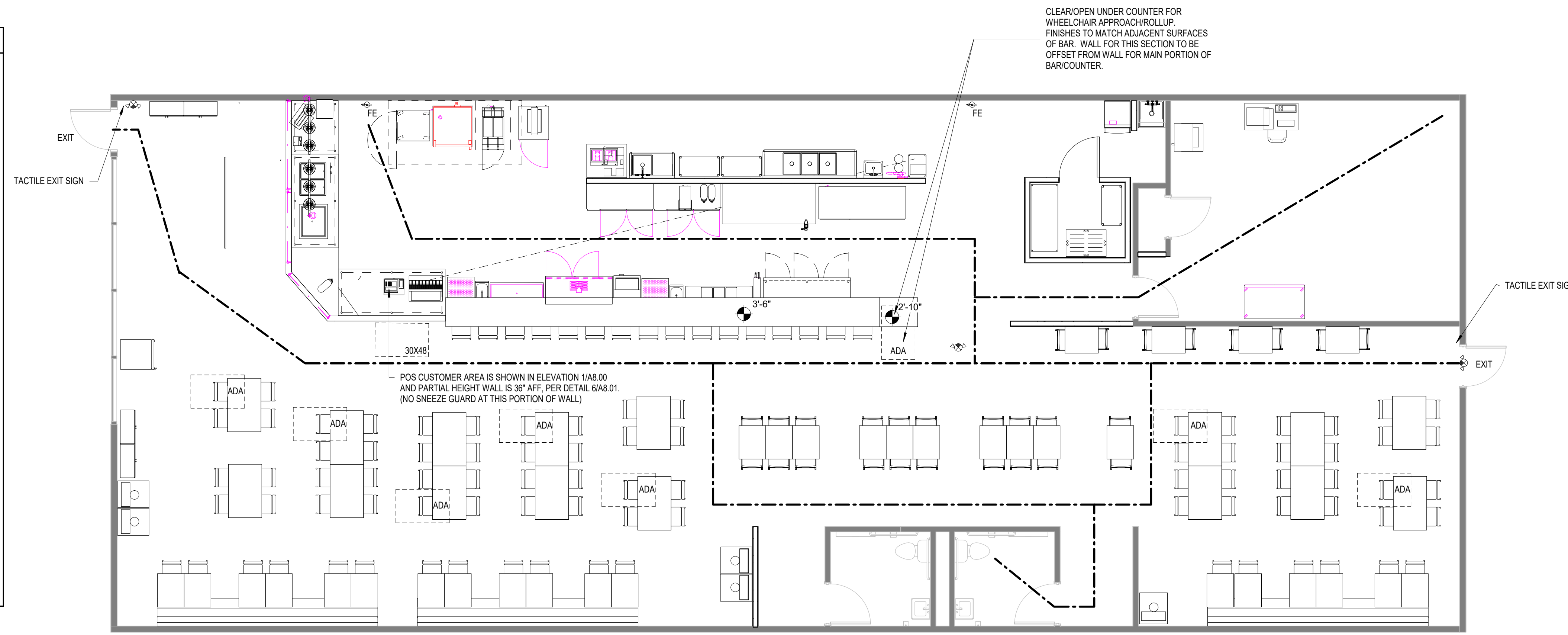
WATER IS SERVED--DRINKING FOUNTAIN IS NOT REQUIRED  
TYPE C FINISHES REQUIRED NON-RATED HALLWAY  
TWO EXITS REQUIRED FOR MORE THAN 49 OCCUPANTS - BOTH ARE PROVIDED FROM DINING WITH ACCESS FROM KITCHEN.  
FIRE EXTINGUISHER REQUIRED  
MINIMUM EXIT WIDTH @ 2/OCCUPANT: 12" - EXISTING EXIT DOORS TO REMAIN  
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**

**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'
- EXIT 6X4 TACTILE EXIT SIGN PER ADA STANDARD MTD 50" AFF TO BOT LOCATED AT EVERY EXIT DOOR
- MAXIMUM OCCUPANT LOAD SHALL NOT EXCEED 76 PERSONS 8 X 12 OCCUPANT LOAD SIGN (CONFIRM LOCATION WITH FIRE MARSHAL)



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

**Architect**  
+one design  
P.O. BOX 40232  
Baton Rouge, LA 70835  
(225) 383-0664  
fritz@plus1dc.com  
In conjunction with  
KDW, P.S.



10/29/2011  
Route 21 & 79  
Greene Plaza  
Space #2  
Waynesburg, PA 15370  
Greene County



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

ISSUED/REV/ISD	DATE

**LIFE SAFETY PLAN**

**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 ENCRUCH 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**

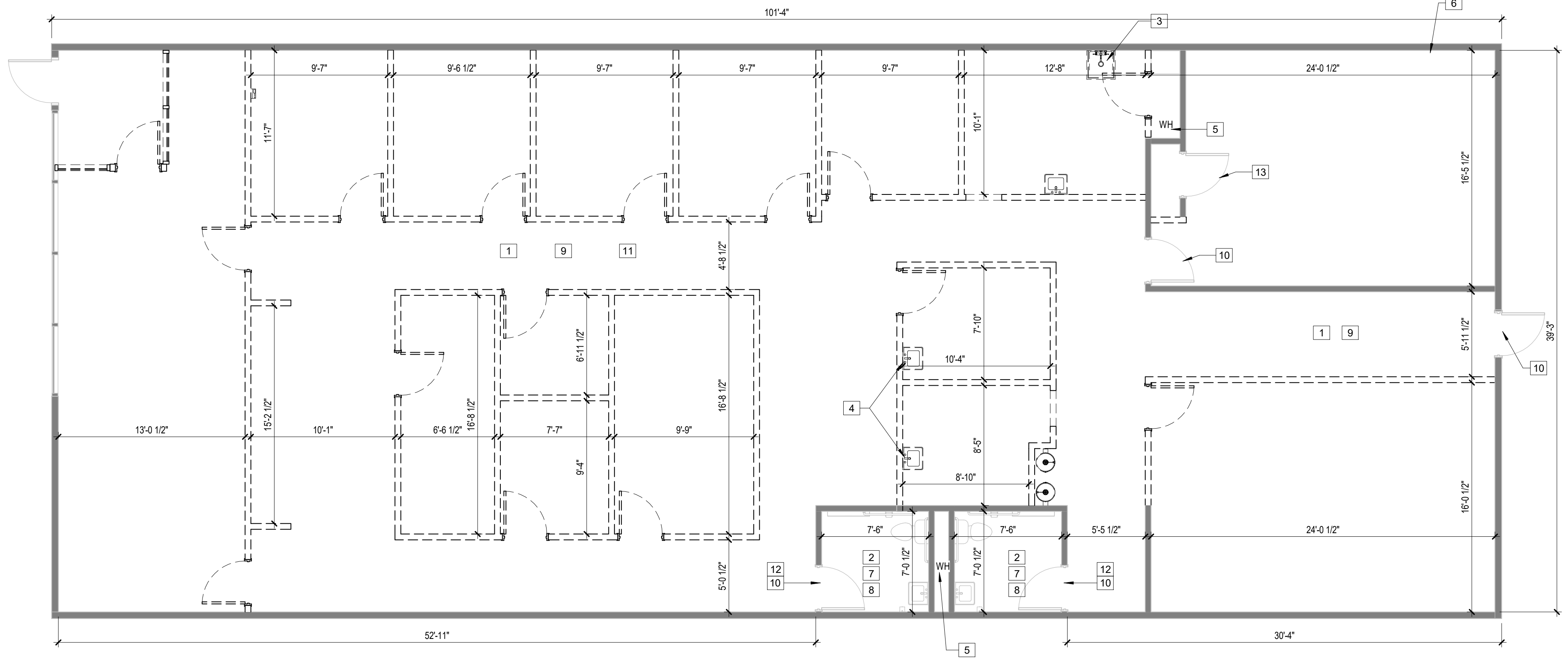
- REMOVE ALL ABANDONED ANCHOR BOLTS AND EMBEDDED ITEMS IN CONCRETE FLOORS THAT PROTRUDE ABOVE THE CONCRETE FLOOR SURFACE.
- REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR SPECIFIC DEMOLITION NOTES REGARDING THESE DISCIPLINES. ALL HVAC, ELECTRICAL AND PLUMBING ITEMS REMOVED SHALL BE CAPPED 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 RESROOMS TO REMAIN. KNEE PROTECTION AT WALL-MOUNTED SINK TO BE PROVIDED.
3. EXISTING MOP SINK TO BE REMOVED. CAPPED AND MOVED TO NEW LOCATION. 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 RESIZED 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. REMOVE EXISTING WALL ITEMS IN RESTROOM, TYP. PREP FOR NEW WALL TILE PER FINISH PLAN.
8. REFER RCP FOR NOTES ON DEMOLITION OF RCP IN AREAS.
9. 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"

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10/29/2021

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Greene County



**Owner**  
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ISSUED/REVISED \_\_\_\_\_  
DATE \_\_\_\_\_

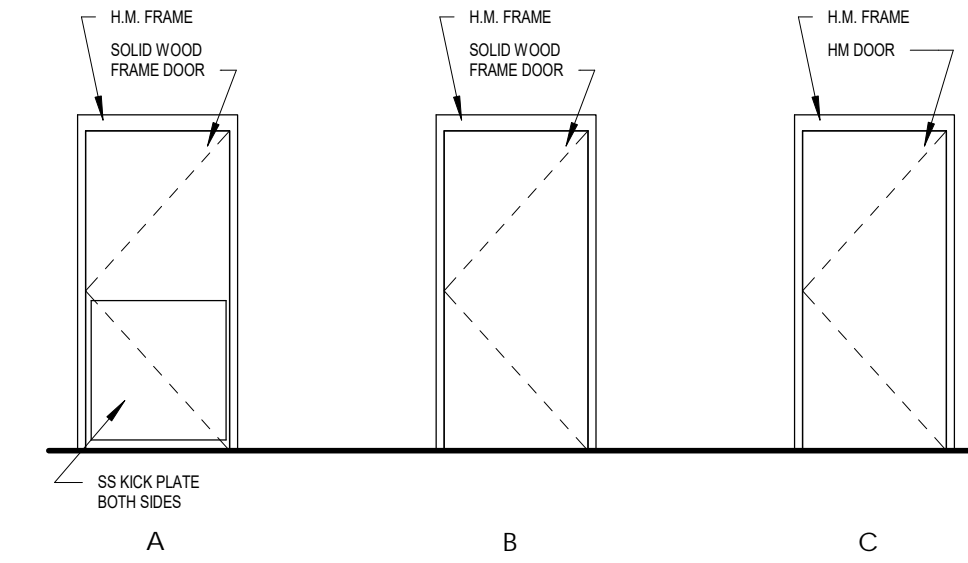
DEMOLITION PLAN

**A1.00**

**DOOR SCHEDULE AND TYPE**

**DOOR SCHEDULE**

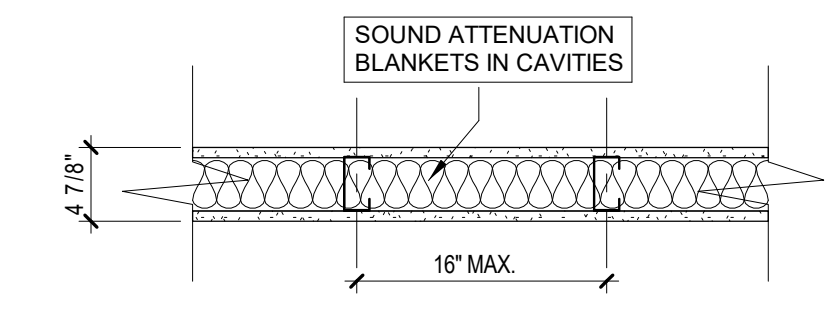
NO	LOCATION	SIZE	MATERIAL	TYPE	FINISH	FRAME	FINISH	HARDWARE	NOTES
100A	OFFICE DOOR	3'0"X7'0"X1'3/4"	SC WD	A	FACTORY	KD HM	FACTORY	EXISTING	PAINT FRAME BROWNSTONE
100B	CLOSET DOOR	3'0"X7'0"X1'3/4"	SC WD	B	FACTORY	KD HM	FACTORY	EXISTING	PAINT FRAME BROWNSTONE
101	REAR EXIT DOOR	3'0"X7'0"X1'3/4"	HM	C	FACTORY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



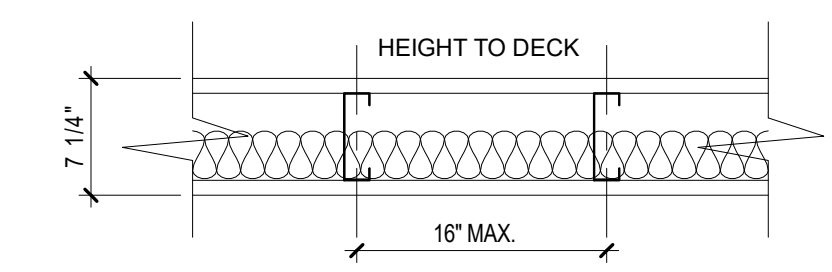
1. GC TO V.I.F. EXISTING DOORS TO ENSURE THEY MEET ADA REQUIREMENTS

**PARTITION LEGEND**

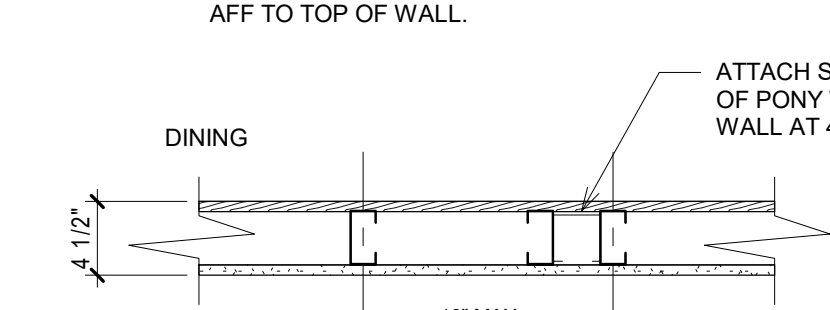
**A** **NON RATED PARTITION**  
3 5/8" METAL STUDS AT 16" O.C. UNLESS OTHERWISE NOTED, WITH ONE LAYER 5/8" GYPSUM WALLBOARD EACH SIDE. EXTEND 6" ABOVE CEILING AND BRACE TO STRUCTURE AT 4" O.C.



**B** **PLUMBING CHASE**  
6" METAL STUDS AT 24" O.C. UNLESS OTHERWISE NOTED, WITH ONE LAYER 5/8" CEMENT WALLBOARD TO 12" AFF AND 5/8" WATER RESISTANT GYPSUM BOARD FROM 12" AFF TO CEILING HEIGHT - BEHIND ALL TILE. CONTINUE 5/8" GYPSUM WALLBOARD FROM CEILING AND EXTEND TO UNDERSIDE OF DECK



**C** **PARTIAL HT PARTITION**  
3 5/8" METAL STUDS AT 16" O.C. UNLESS OTHERWISE NOTED, WITH ONE LAYER 1/2" PLYWOOD DINING SIDE AND 5/8" CEMENTITIOUS WALLBOARD TO 12" AFF AND 5/8" WATER RESISTANT GYPSUM BOARD FROM 12" AFF TO TOP OF WALL.



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

**KEY NOTES**

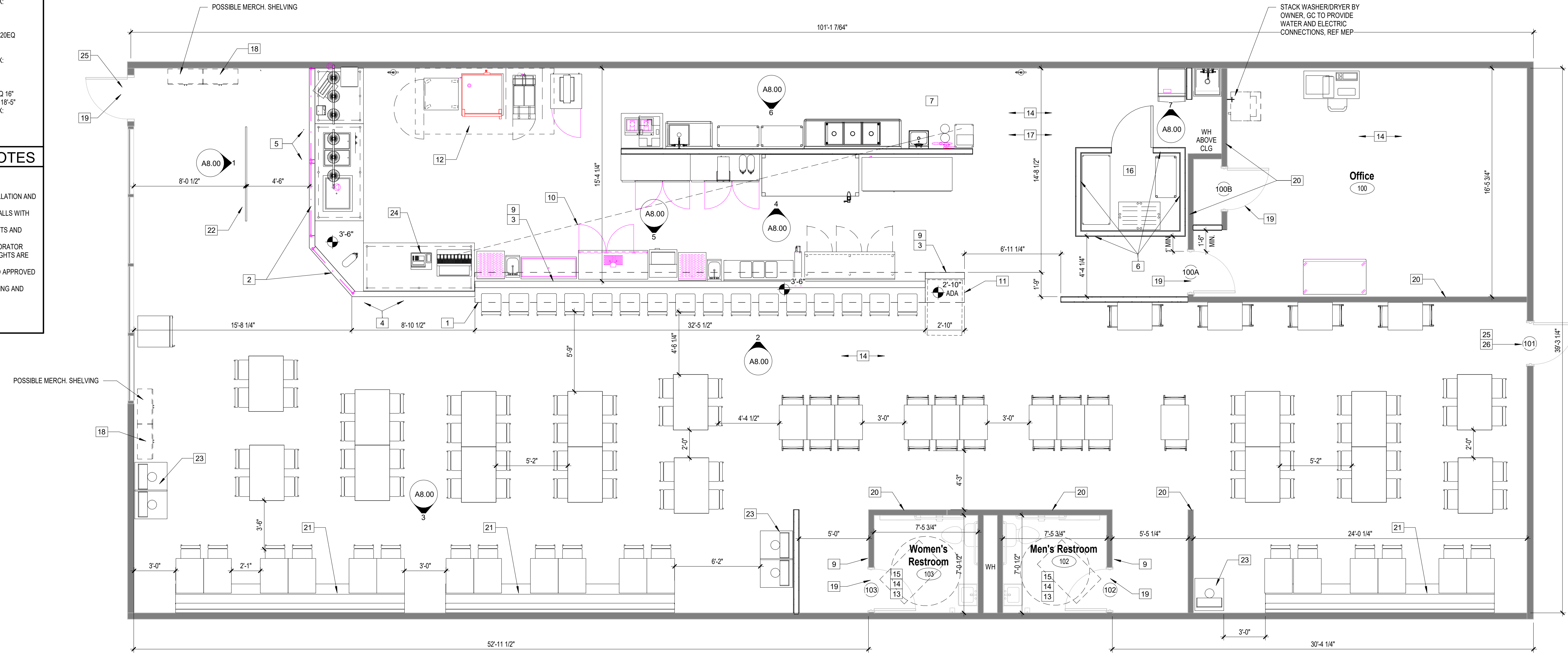
- CEILING DROP-ALIGN WITH EDGE OF COUNTER.
- METAL PANELS TO FACE OF COUNTER. SEE DETAIL SHEET A8.01. PARTITION TYPE C.
- GC TO INSTALL OWNER FURNISHED PARTIAL HEIGHT WALL/WALLS AT BAR COUNTER - ANCHOR TO FLOOR. COORDINATE WITH ICE MAKER/EQUIPMENT AND UNDER COUNTER CABINETS. PARTITION TYPE C.
- SOFFIT 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/CO2 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:
- GC TO COORDINATE COOLER INSTALLATION AND INSTALL WALLS AND DOORS.
  - GC 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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10/29/2021

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Greene County



**Owner**  
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ISSUED/REVISED	DATE

CONSTRUCTION PLAN

STANFORD SONOMA FINISH SCHEDULE						
TAG	MATERIAL DESCRIPTION	LOCATION	MANUFACTURER	COLOR	FINISH	COMMENTS
<b>FLOORING</b>						
F-1	7' X 48" TILE PLANK RESILIENT FLOORING	DINING ROOM, RESTROOMS, HALLS	MOHAWK GROUP	SECOND HOME 20 MIL. COLOR: TAXI QUEUE BROWN 875 FINISH: M-FORCE ULTRA	RESILIENT TILE, SLIP RESISTANT	CONTACT: VANESSA CRIDER O: 706-624-2527 VANESSA_CRIDER@MOHAWKIND.COM NO UNDERLAYMENT FLOATING INSTALLATION AT DINING & HALLWAYS GLEDOWN @ RESTROOMS WITH SILICONE SEALANT ARE ROOM PERIMETER AND TOILETS.
F-2	6" QUARRY TILE	KITCHEN	DALTILE PAVERS	RED 0084	SMOOTH FINISH	KITCHEN CONTACT: VANESSA CRIDER O: 706-624-2527 VANESSA_CRIDER@MOHAWKIND.COM
F-3	6" QUARRY TILE	KITCHEN	DALTILE PAVERS	RED 0081	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 0084	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, BY OTHERS
P-1	Gypsum Board/Plaster, Latex- Acrylic Semi-Gloss Finish, 3 Coat	DINING ROOM, HALLWAYS, RESTROOMS	Sherwin - Williams	SW6295-Tricorn Black	One coat of B28W/2600, ProMar 200 Zero VOC Interior Latex Primer Two coats of K46 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" COUNTER WALL	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	SMOOTH, SMOKE GREY, CLASS "C".	BACK BAR WALL ABOVE COUNTER, SIMILAR TO PANOLAM
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 - AT 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 PEPPERMILL		USE THIN BRICK VENEER SYSTEM FOR INSTALLATION
<b>STOREFRONT TINT</b>						
T-1	GRAPHIC FILM 3630-22	STOREFRONT WINDOWS	3M	SCOTCHTA 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) 2'X4' 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 CLUMAPLUS, 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.
  - DICKEY'S 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 AS SCHEDULED AND QUARRY TILE BASE THROUGH OUT, AND STAINLESS STEEL AT HOOD.

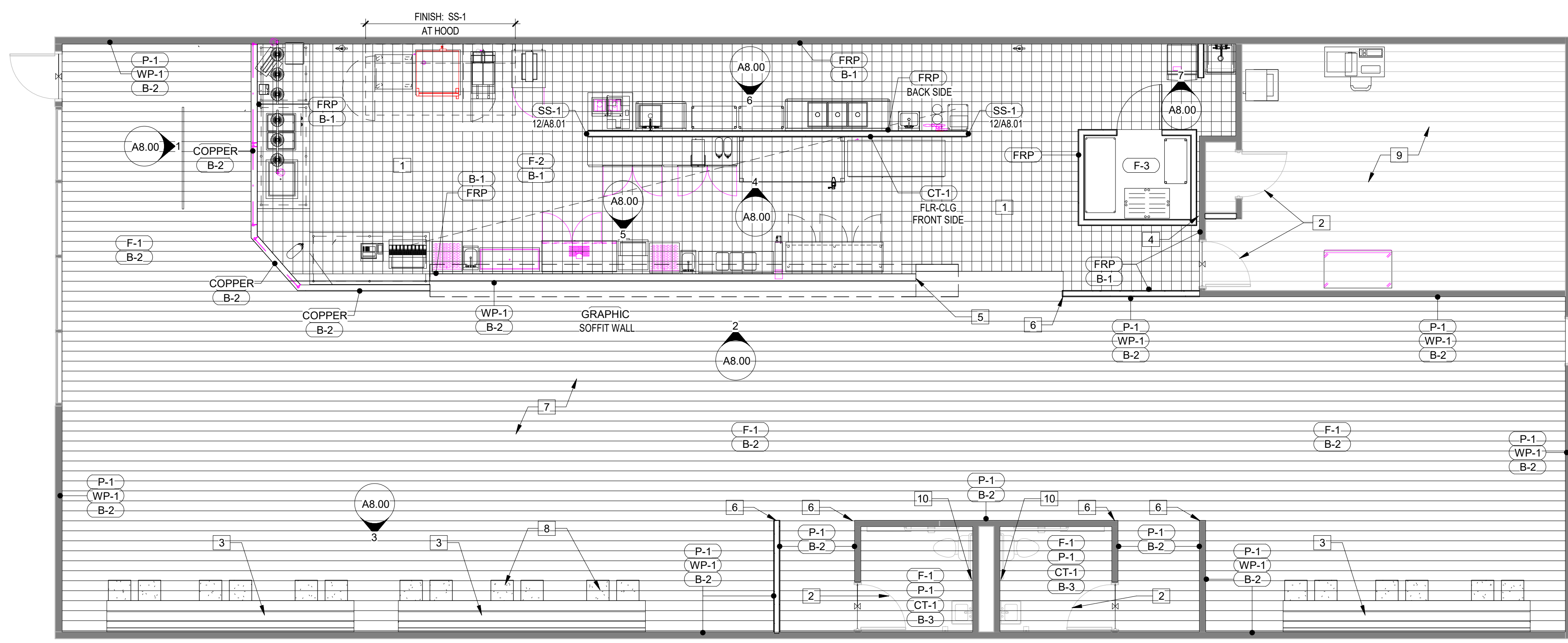
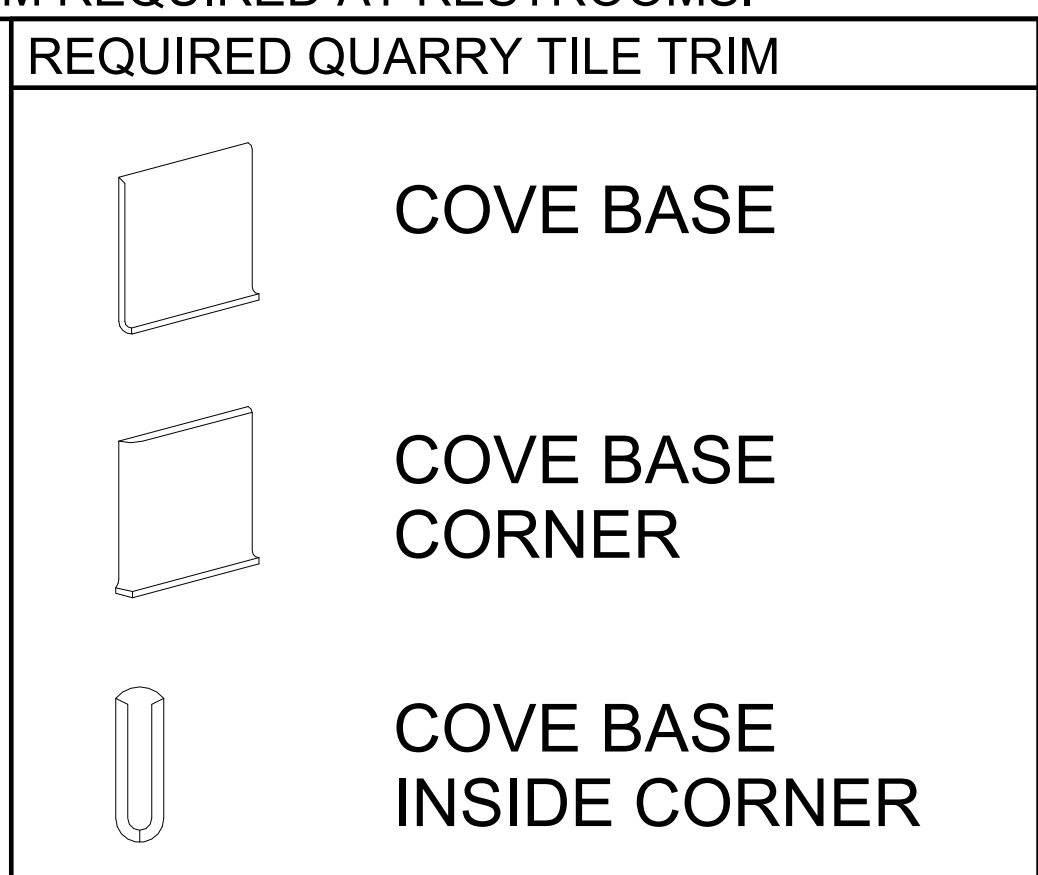
SEE INTERIOR ELEVATIONS --SHEETS A8.00 -- FOR WALL FINISHES FOR LOBBY, RESTROOMS, SERVICE.

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.

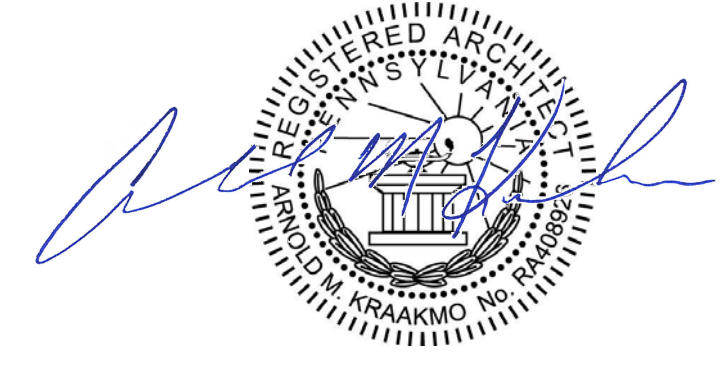
BATHROOMS TO HAVE FRP INSTALLED PER 2020 CONSTRUCTION BRAND STANDARDS ON WET WALLS, PER ELEVATIONS.

WOOD TRIM REQUIRED AT RESTROOMS.



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

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ISSUED/REV/ISSD	DATE

FINISH PLAN

**A2.03**



# HEALTH DEPARTMENT NOTES

- ALL FOOD SERVICE AND RELATED EQUIPMENT SHALL BE NATIONAL SANITATION FOUNDATION (N.S.F.) APPROVED IN CONFORMITY WITH COUNTY HEALTH REGULATIONS.
- ALL FOOD SERVICE AND RELATED EQUIPMENT SHALL BE INSTALLED IN CONFORMITY WITH N.S.F. STANDARDS.
- ALL UTILITY LINES (ELECTRICAL, PLUMBING, AND MECHANICAL VENTILATION DUCT WORK SYSTEMS) TO BE INSTALLED WITHIN KITCHENS AND FOOD SERVICE AREAS, SHALL BE CONCEALED.
- 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.
- ALL HAND BASINS SHALL BE EQUIPPED WITH MIXING FAUCETS FOR RUNNING HOT AND COLD WATER.
- 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.
- THE LIGHTS THROUGHOUT THE PREP AREA SHALL CONSIST OF RECESSED OR FLUSH SURFACE MOUNTED, PLASTIC COVERED CEILING FIXTURES LOCATED AS INDICATED ON THE PLANS.
- ALL ARTIFICIAL LIGHTING FIXTURES SHALL BE PROVIDED WITH PROTECTIVE SHIELDING AT ALL REFRIGERATION UNITS, UTENSIL AND EQUIPMENT WASHING AREAS.
- ALL CUTTING BOARDS AND WORK SURFACES SHALL BE OF NON-WOOD CONSTRUCTION AND N.S.F. APPROVED.
- EMPLOYEE STORAGE AREA SHALL BE PROVIDED AS INDICATED ON THE PLANS.
- A JANITORIAL (MOP) SINK WITH THREE INCH (3") DRAIN SHALL BE INSTALLED AND LOCATED AS INDICATED ON THE PLANS.
- THE PREMISES SHALL BE MECHANICALLY VENTED SUMMER & WINTER.

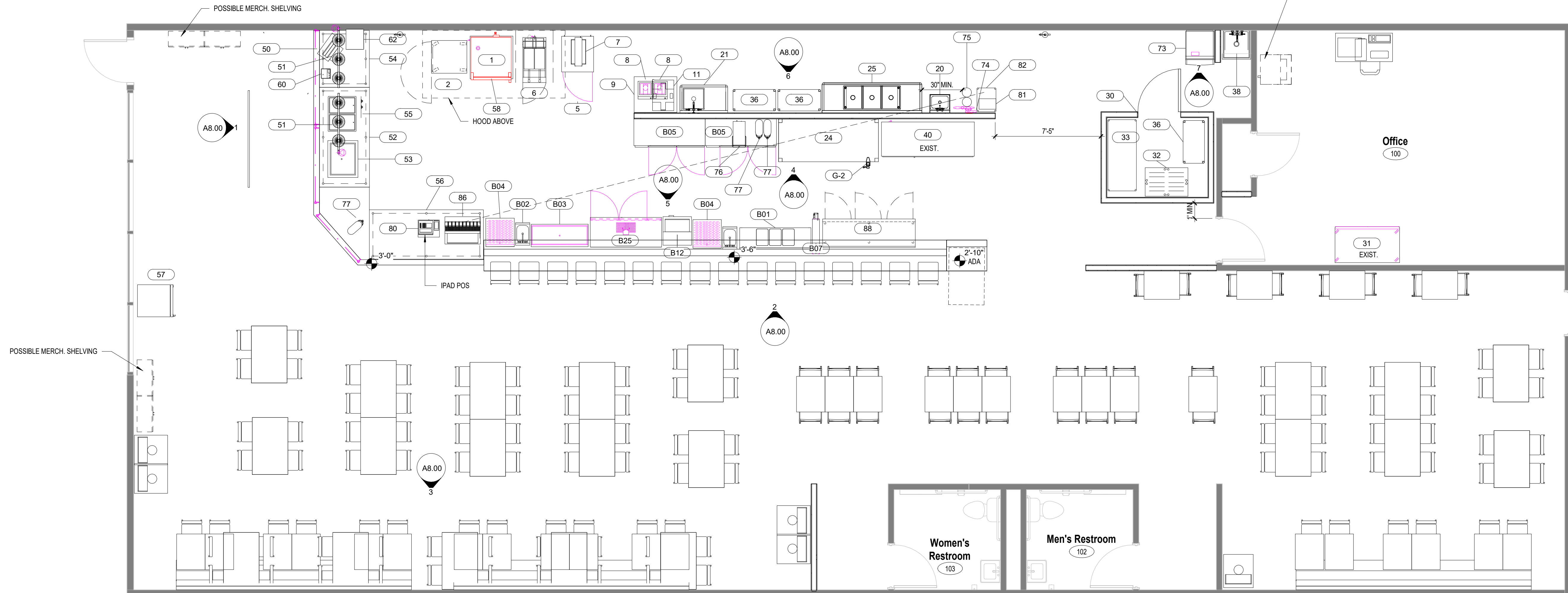
## STANFORD EQUIPMENT LIST

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.

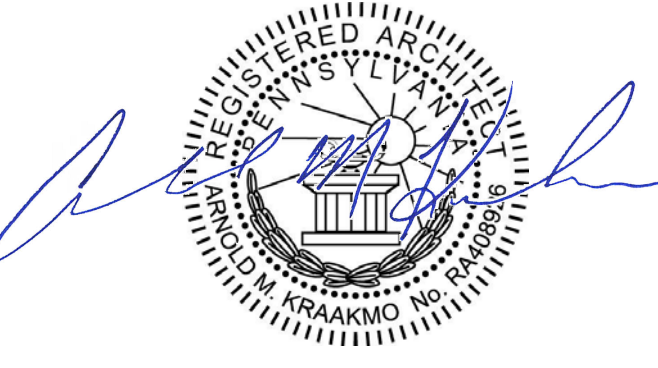
NOTE: TO BE VERIFIED BY DICKEYS, TENANT, AND GC PRIOR TO ORDERING AND INSTALLATION FOR VERIFICATION OF QUANTITY AND TO ENSURE ALL EQUIPMENT IS ORDERED/VERIFIED.

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	FIWE	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	
38	1	Mop sink	JOHN BOOS	PBMS2016-12	OWNER	GC	GC	GC	Mop sink, floor mount
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	Halco	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	MOD-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-Shelf & 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



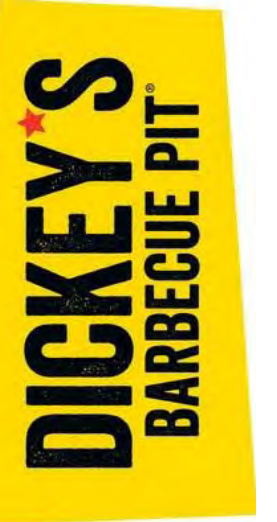
1 EQUIPMENT PLAN  
SCALE: 1/4" = 1'-0"

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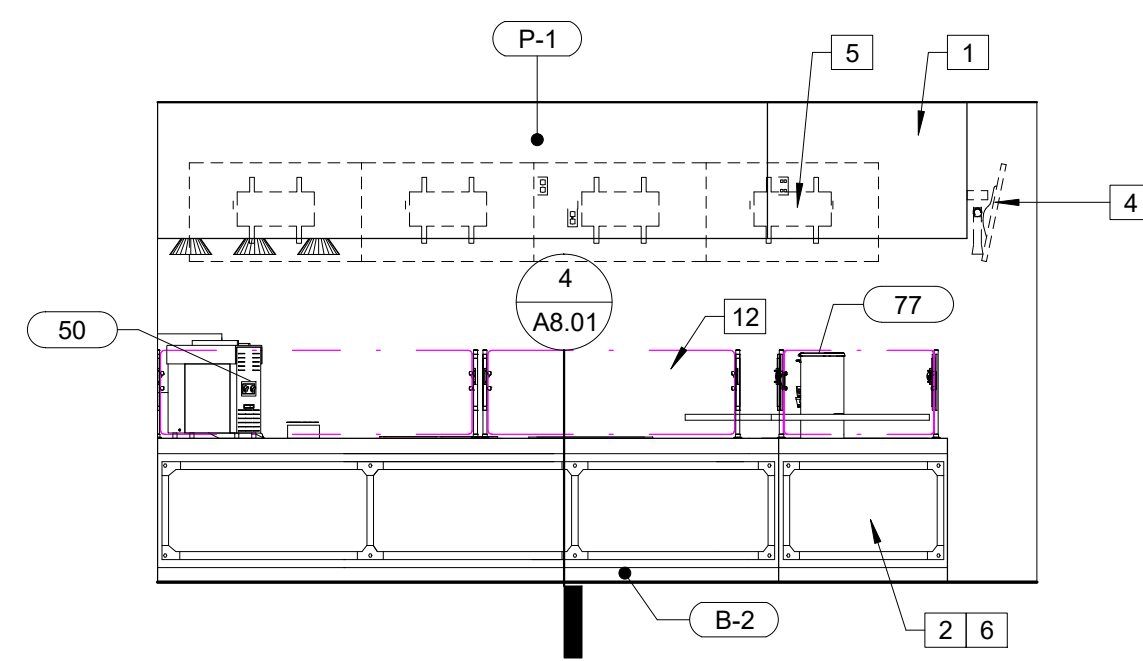
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 Greene County



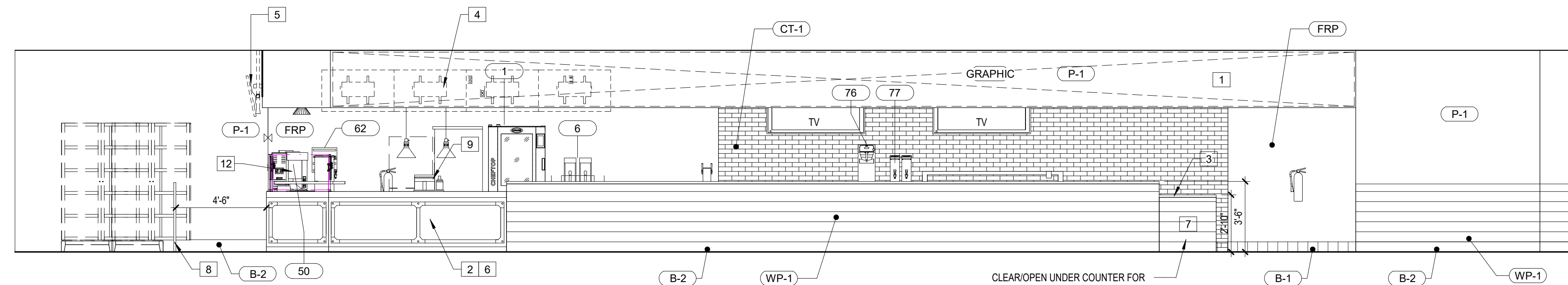
**Owner**  
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ISSUED/REVISED	DATE

EQUIPMENT PLAN

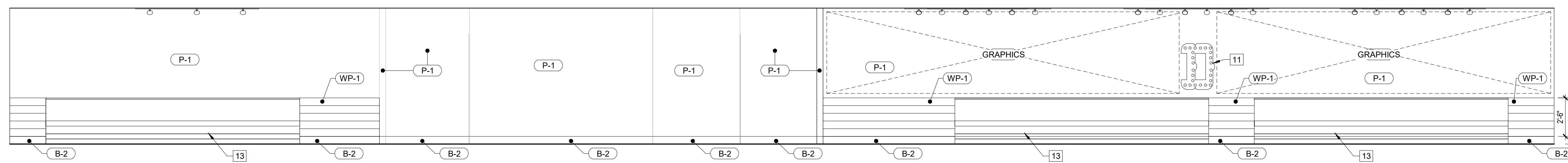


**1 Front Service Elevation**  
SCALE: 1/4" = 1'-0"

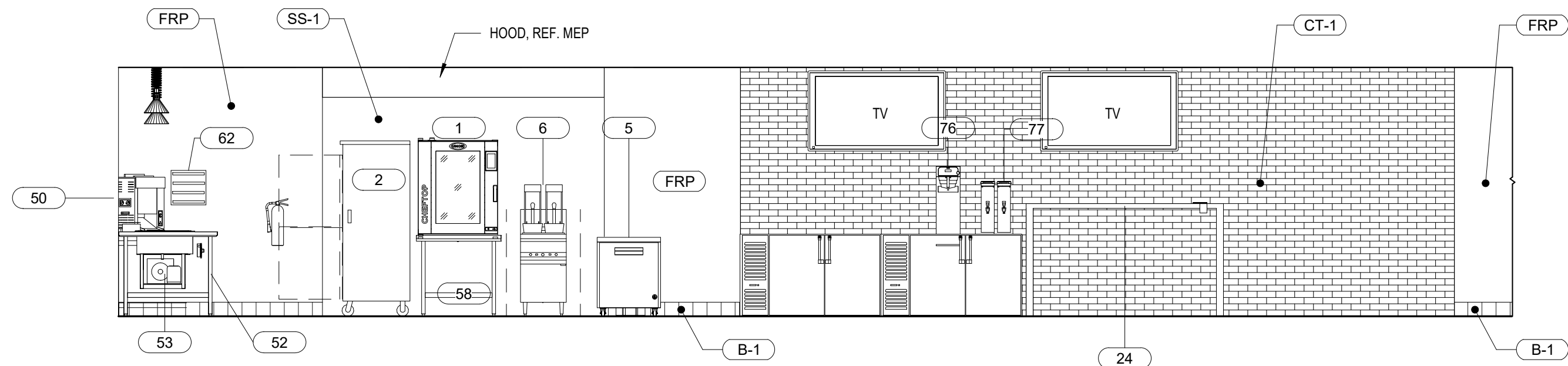


**2 Front Bar Elevation**  
SCALE: 1/4" = 1'-0"

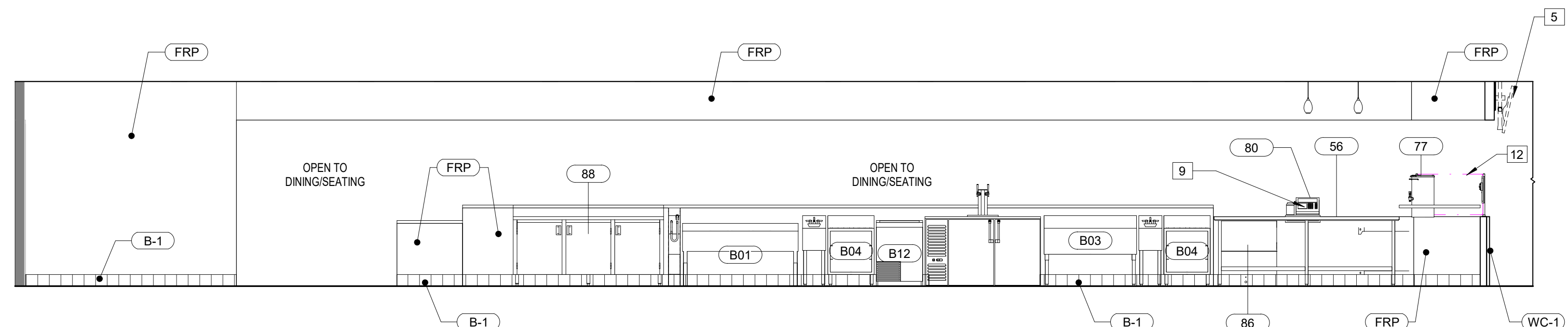
CLEAR/OPEN UNDER COUNTER FOR WHEELCHAIR APPROACH/ROLLUP. FINISHES TO MATCH ADJACENT SURFACES OF BAR. WALL FOR THIS SECTION TO BE OFFSET FROM WALL FOR MAIN PORTION OF BAR/COUNTER



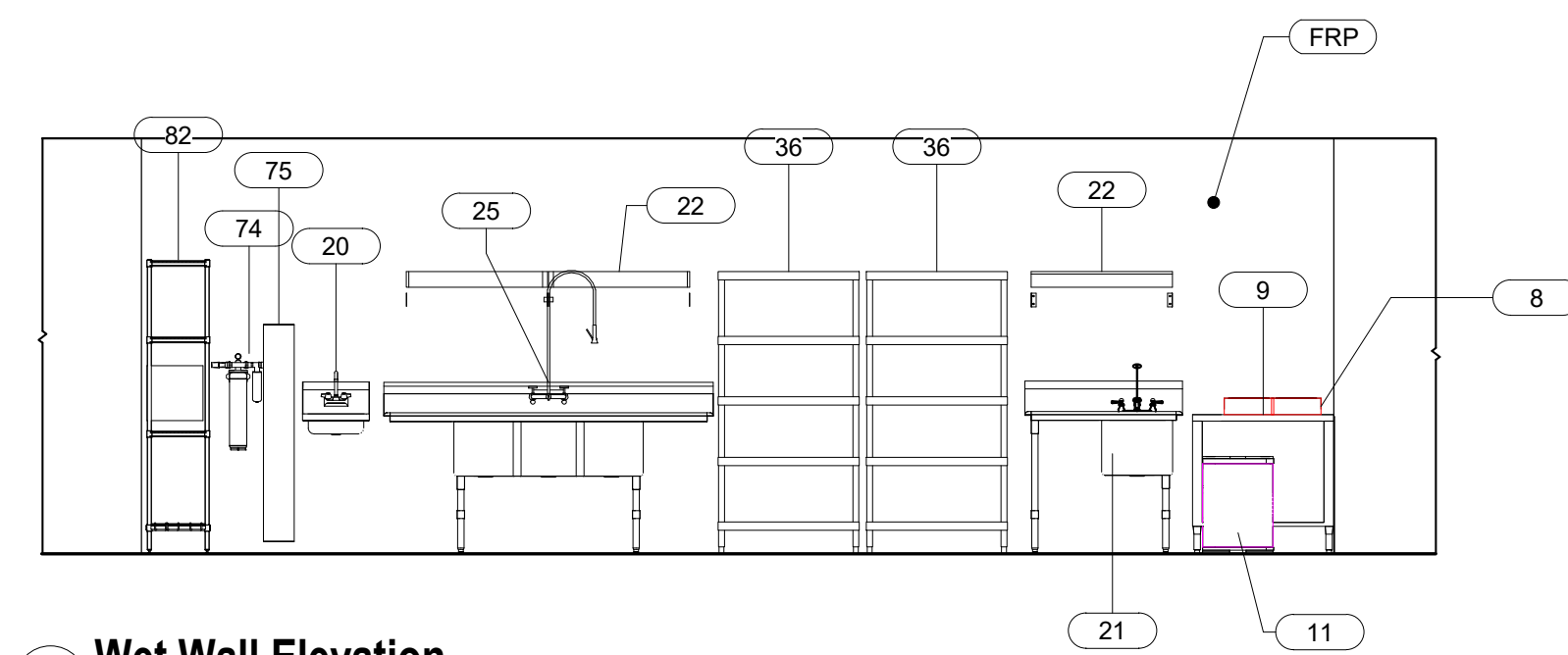
**3 Dining Elevation**  
SCALE: 1/4" = 1'-0"



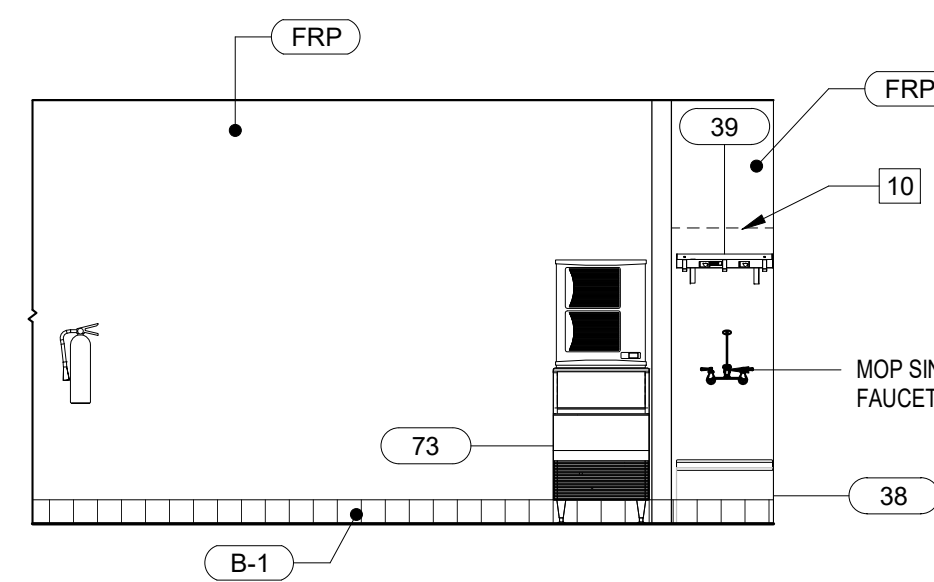
**4 Back Bar Elevation**  
SCALE: 1/4" = 1'-0"



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



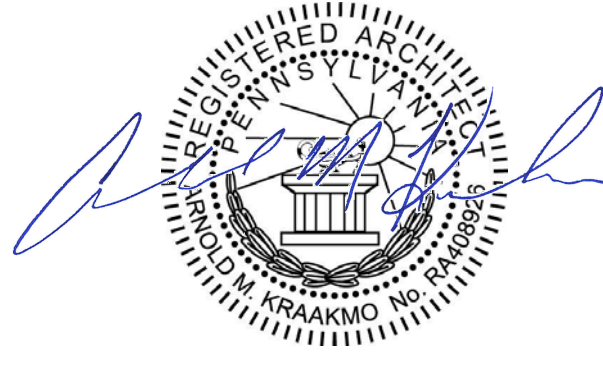
**6 Wet Wall Elevation**  
SCALE: 1/4" = 1'-0"



**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

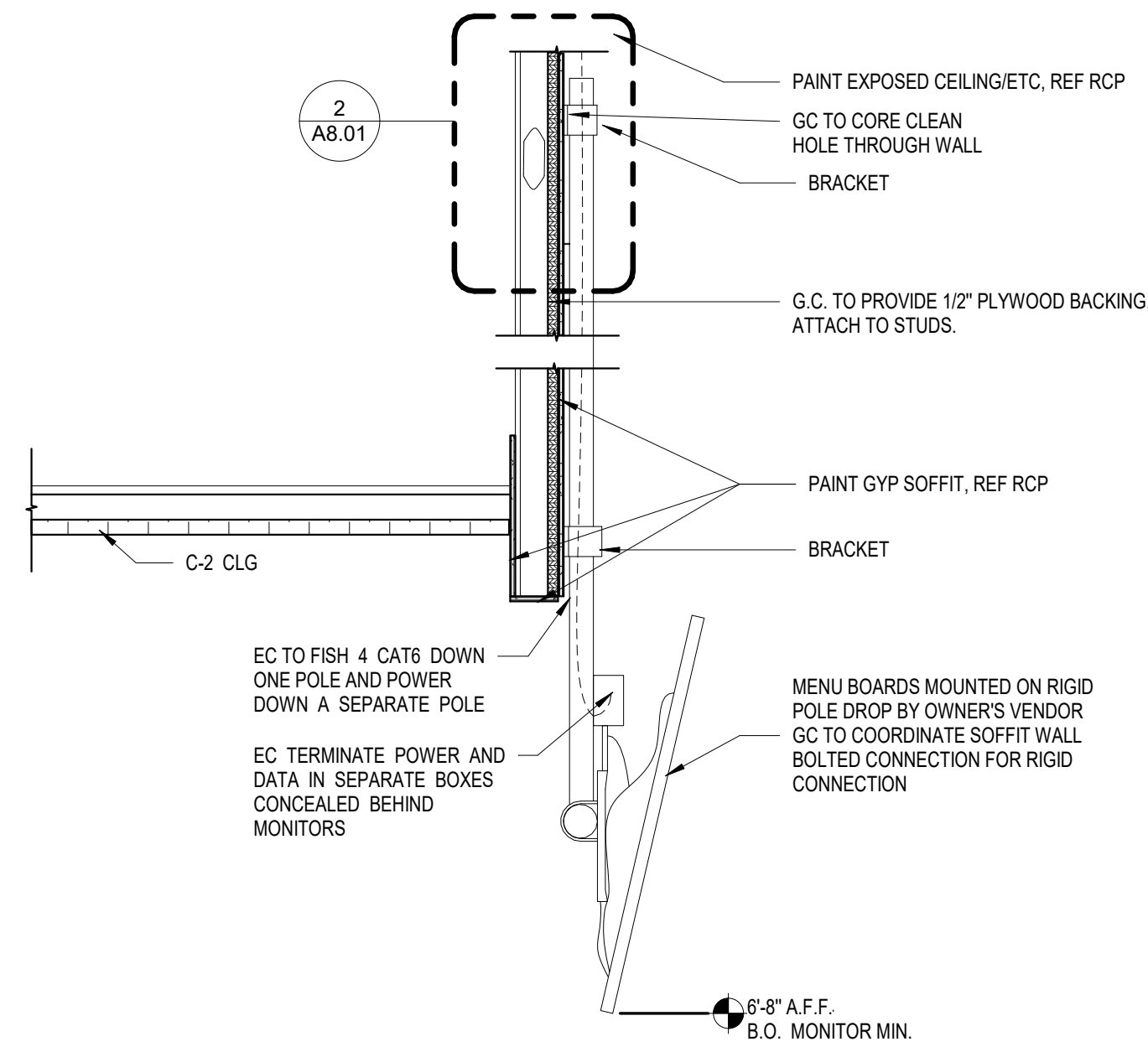
Route 21 & 79  
Greene Plaza  
Space #2  
Waynesburg, PA 15370  
Greene County



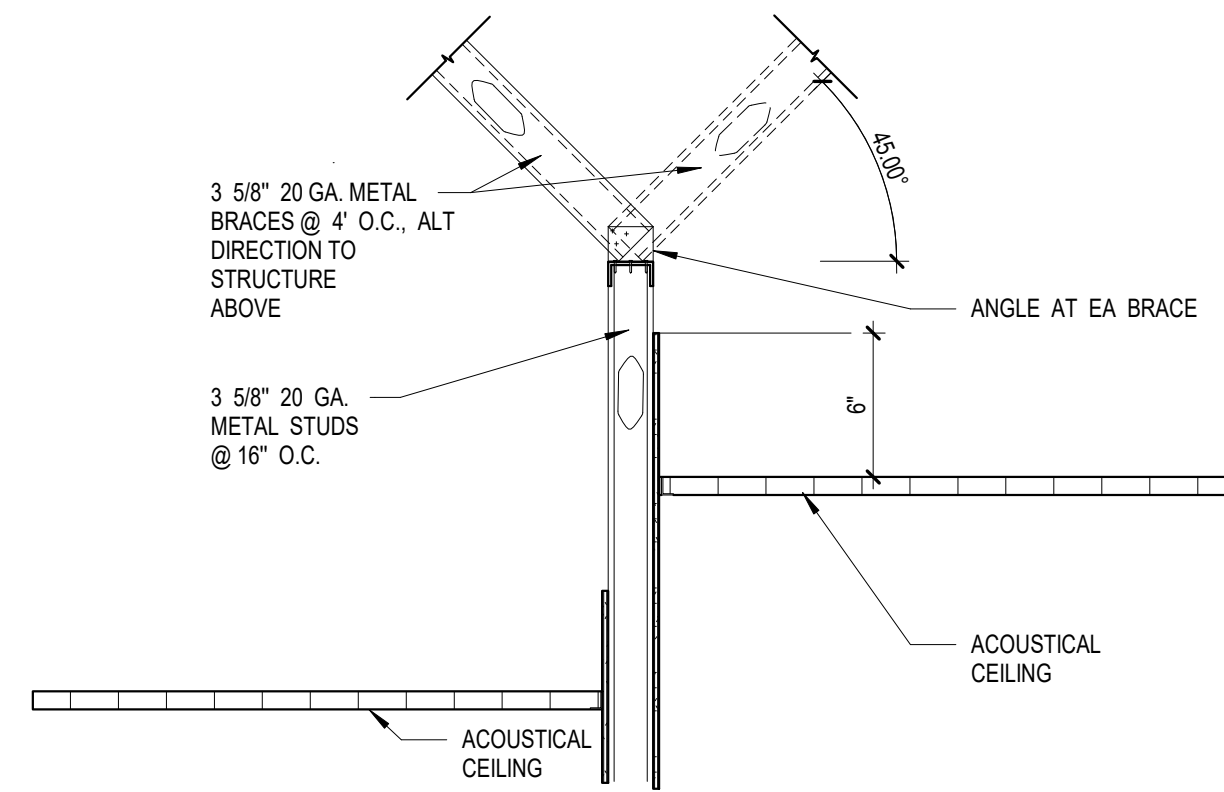
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ISSUED/REVISD	DATE

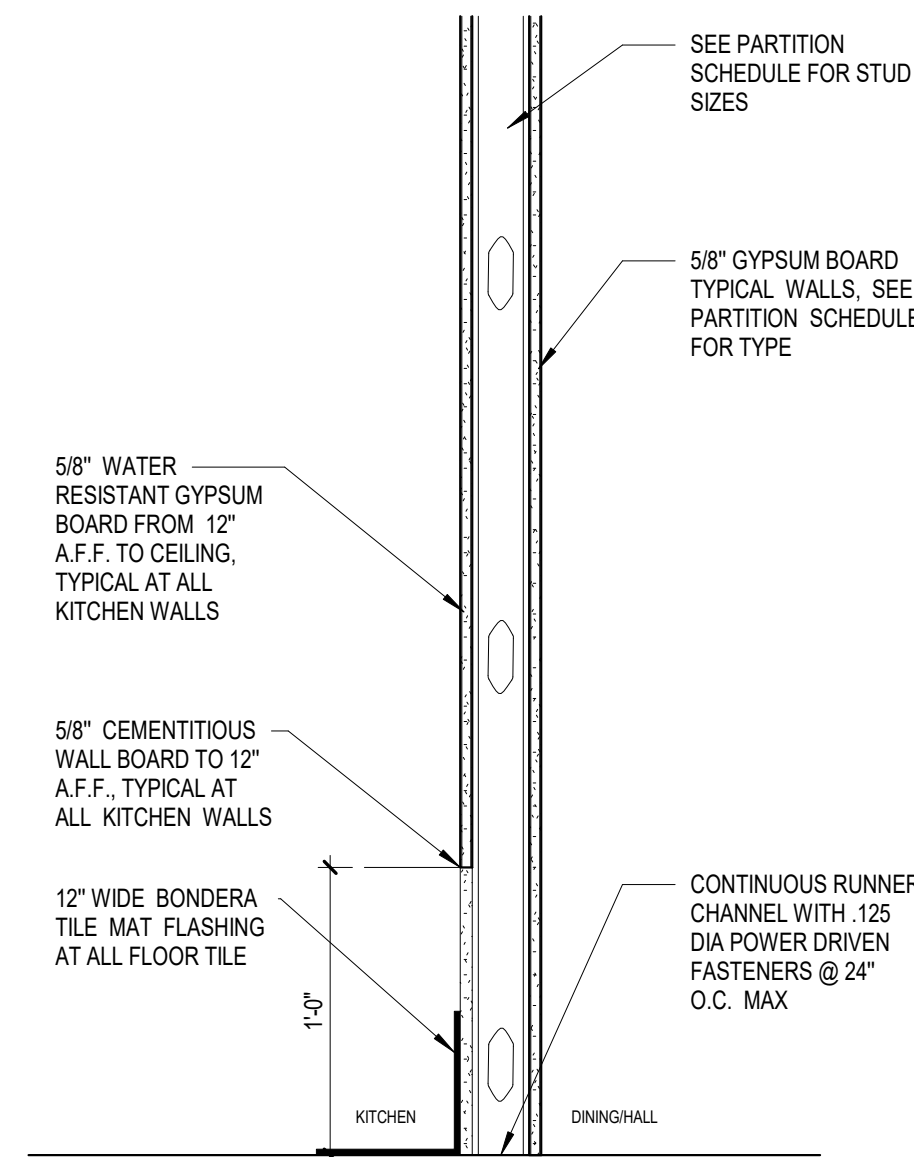
INTERIOR ELEVATIONS



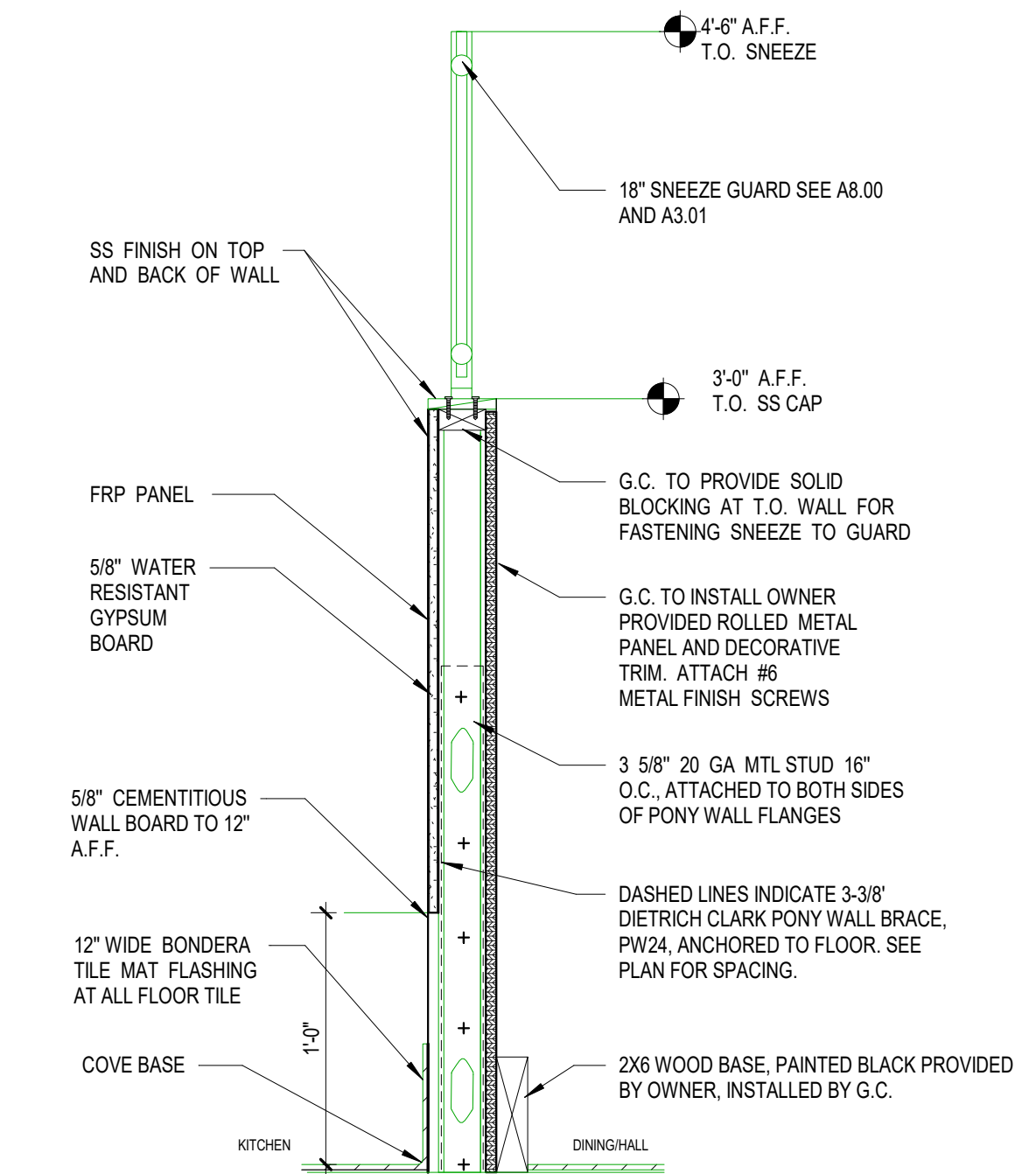
**1 DIGITAL MENU SYSTEM1**  
SCALE: 1 1/2" = 1'-0"



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

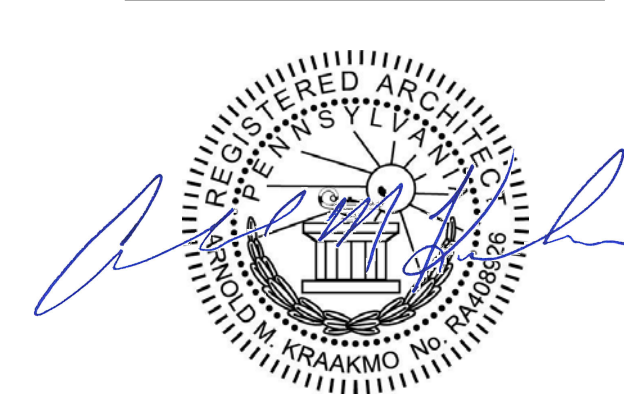


**3 DETAIL AT TYP KITCHEN WALL**  
SCALE: 1 1/2" = 1'-0"



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

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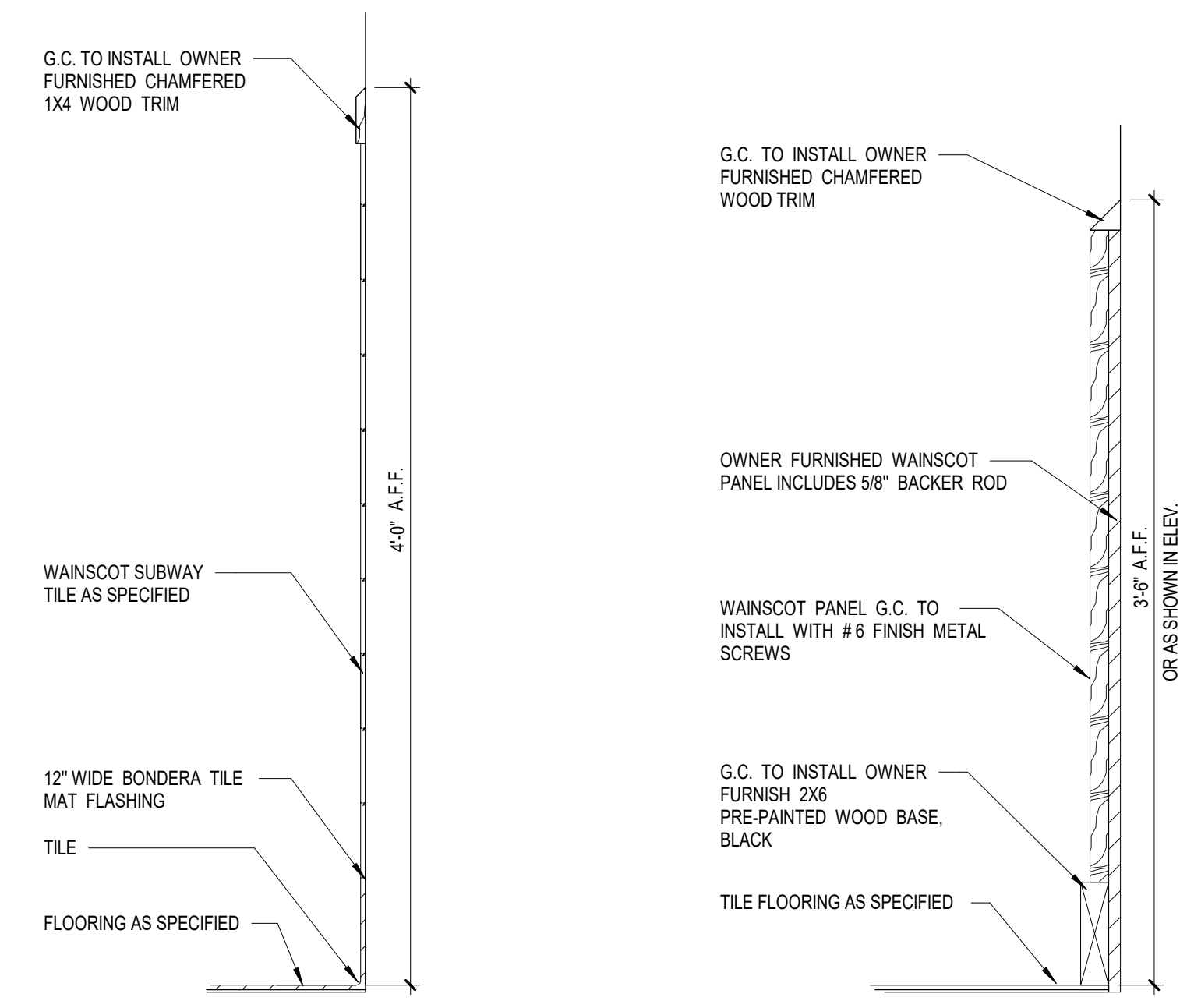


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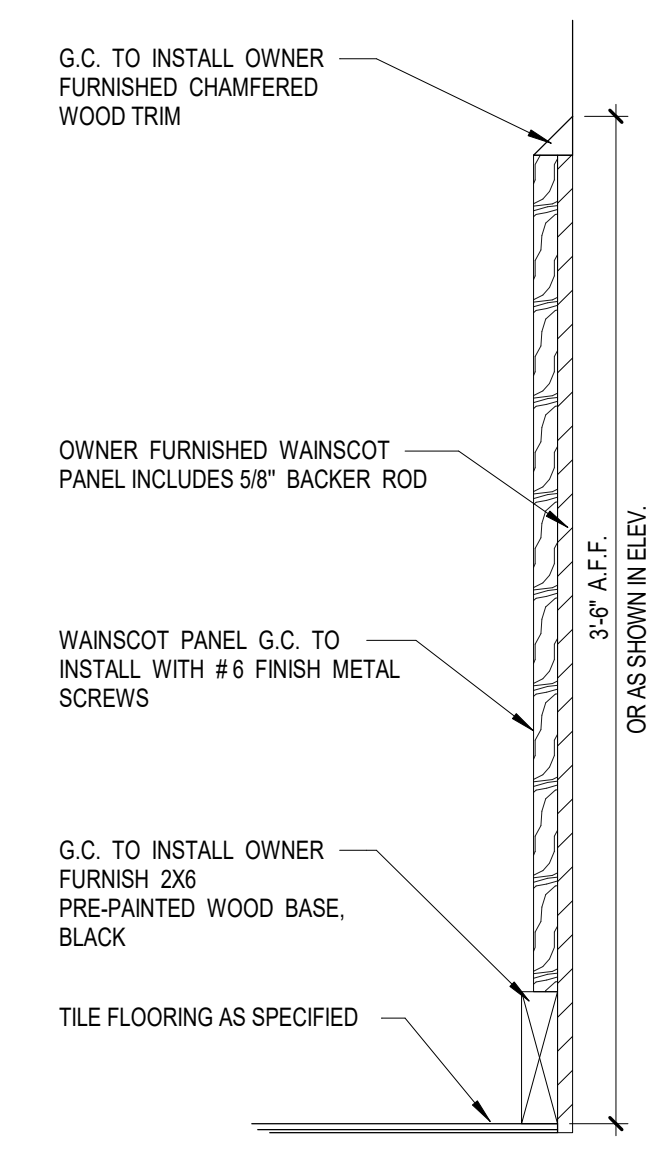
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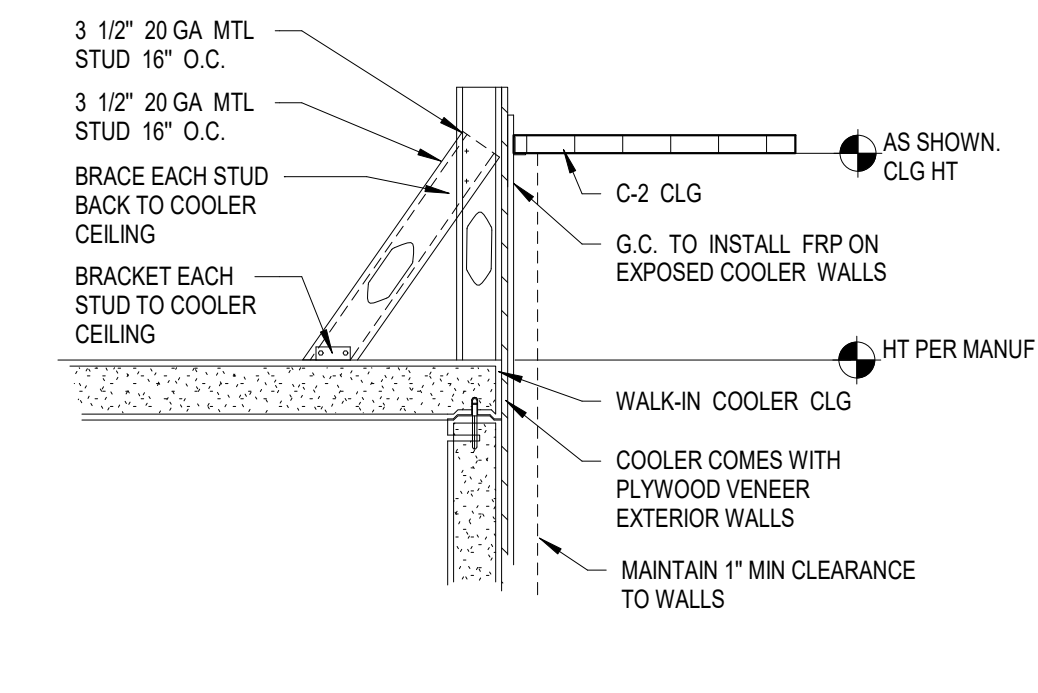
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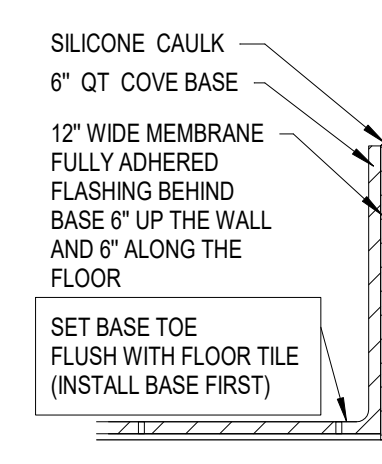
**5 WAINSCOT DETAIL @ RESTROOM**  
SCALE: 1 1/2" = 1'-0"



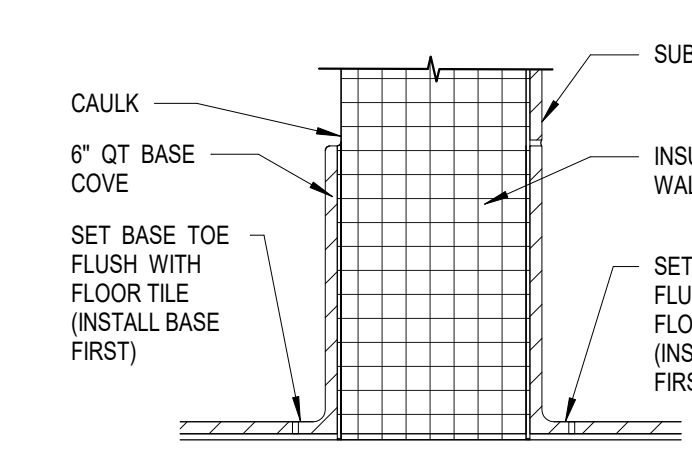
**6 WAINSCOT DTL**  
SCALE: 1 1/2" = 1'-0"



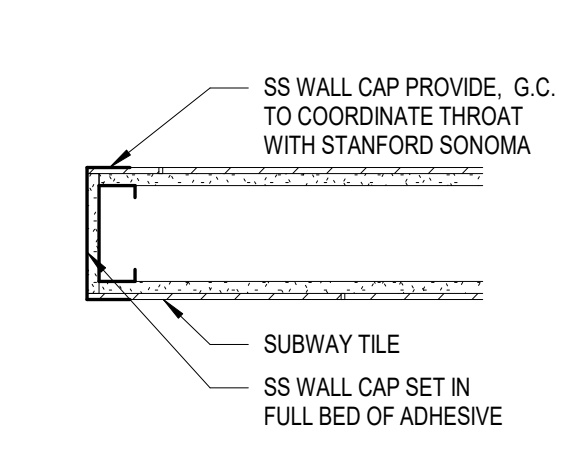
**7 DETAIL ABOVE WALK IN COOLER**  
SCALE: 1 1/2" = 1'-0"



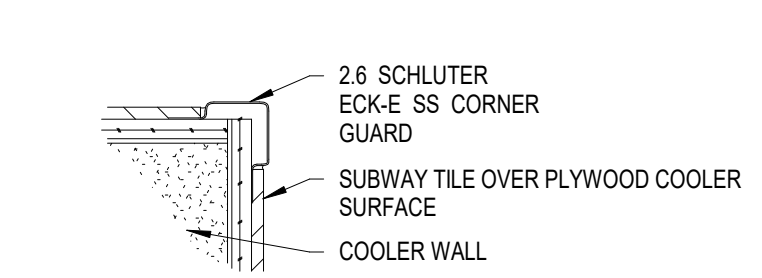
**8 SANITARY COVE QT BASE**  
SCALE: 3" = 1'-0"



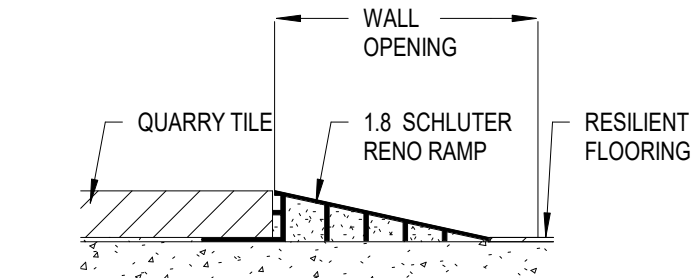
**9 SANITARY COVE QT BASE AT COOLER WALL**  
SCALE: 3" = 1'-0"



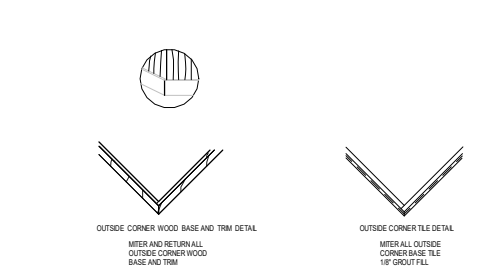
**10 SS END CAPS**  
SCALE: 3" = 1'-0"



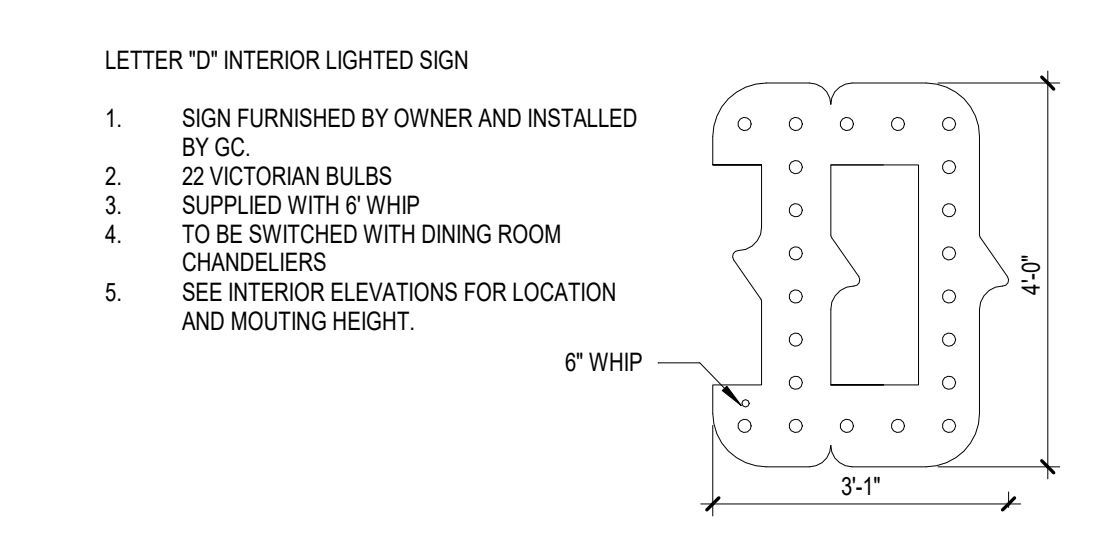
**11 SS CORNER GUARD**  
SCALE: 6" = 1'-0"



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



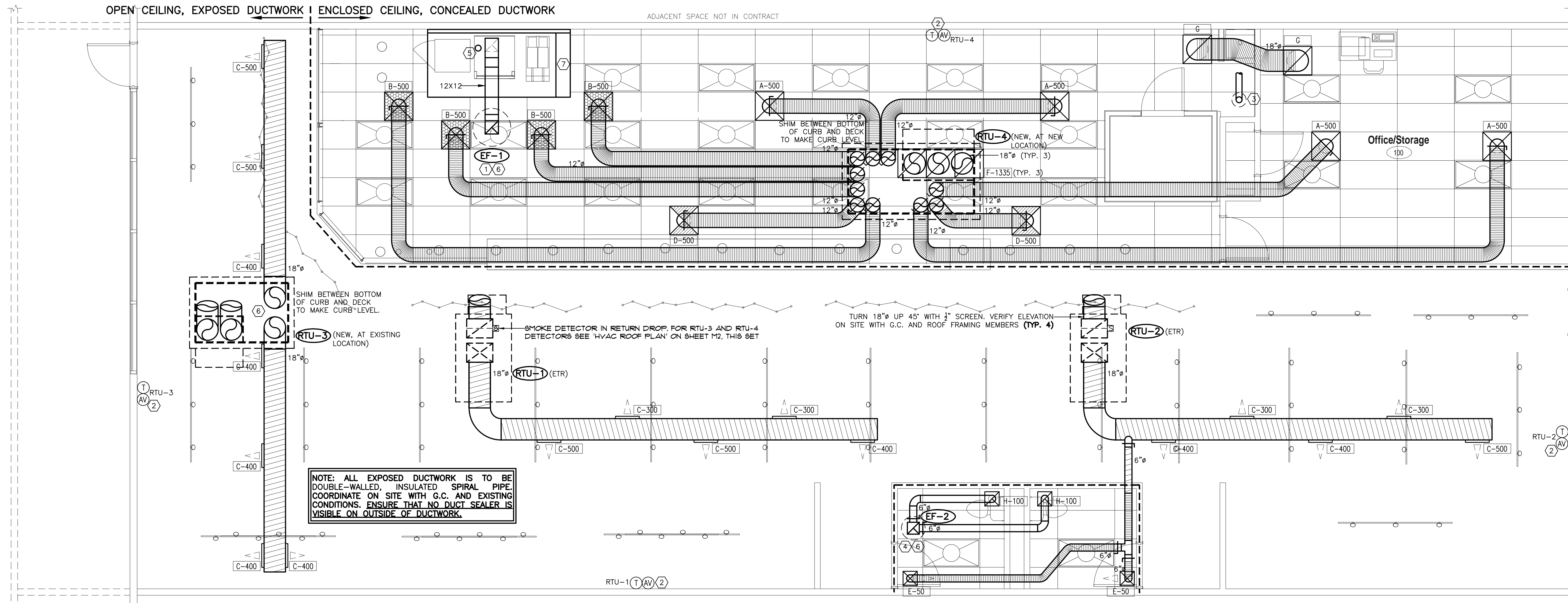
**13 OUTSIDE CORNER DETAILS**  
SCALE: 1 1/2" = 1'-0"



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

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

DETAILS



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.

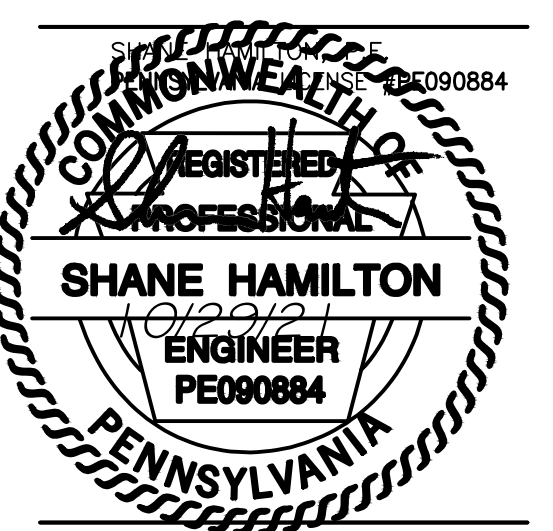
**CONTRACTORS NOTES**

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.

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

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 Mechanical Engineers  
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Route 21 & 79  
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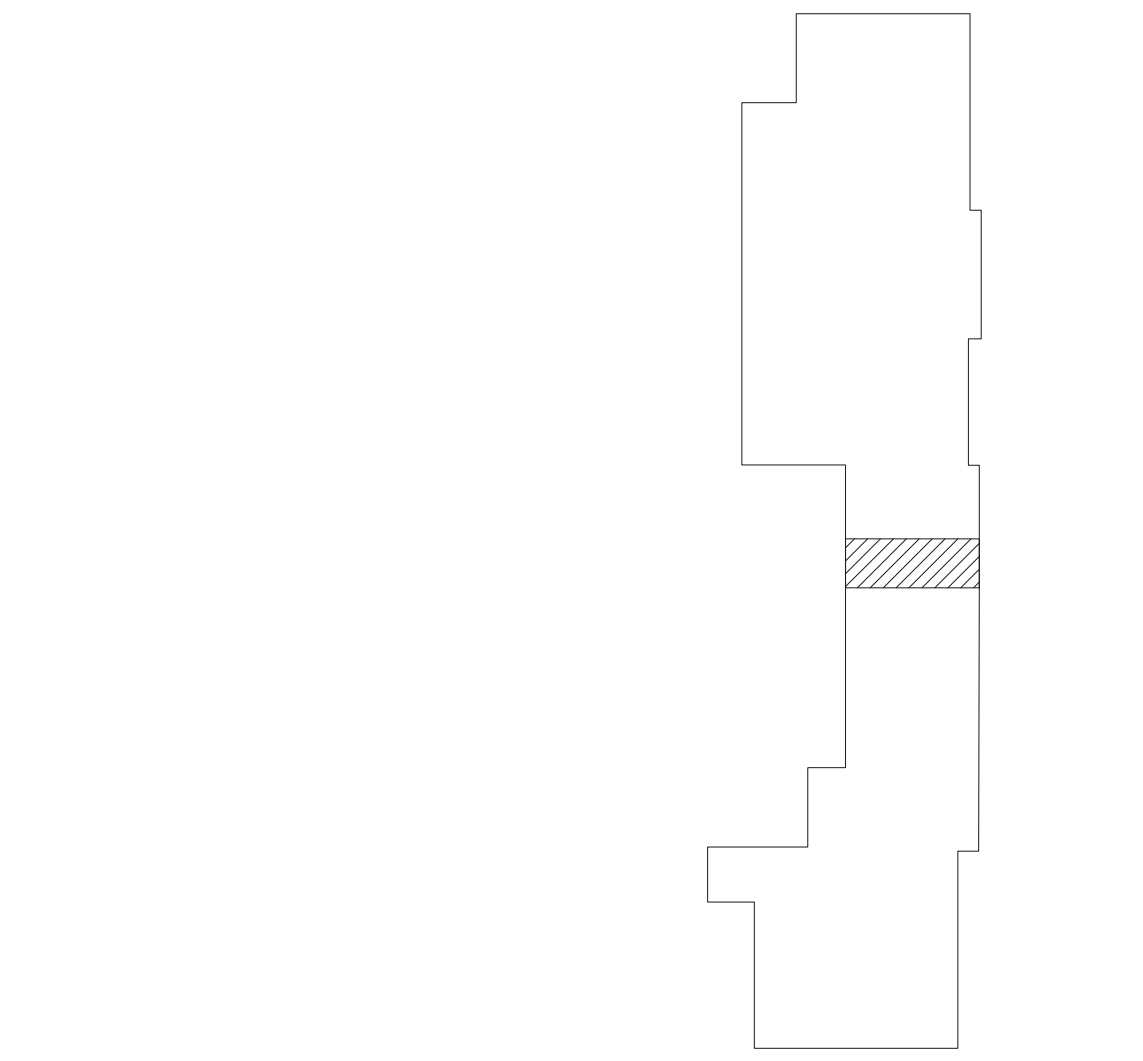


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DATE

ISSUED/REVISED  
**HVAC FLOOR PLAN, NOTES, AND SCHEDULES**

M1.00



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

**PLENUMIZED CURB INSTALLATION NOTES**

1. 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.
2. 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.
3. 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.
4. 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.
5. CUT ALL DUCT TAPS INTO THE BOTTOM PANEL OF THE ROOF CURB. BE CAREFUL NOT TO DAMAGE THE ROOFING SURFACE WHILE MAKING THESE CUTS.
6. 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.
7. 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.
8. APPLY DUCT SEALER TO OPEN END OF COLLAR. SLIDE INNER CORE OF FLEXIBLE DUCT ONTO COLLAR, AND CONNECT PANDUIT STRAP PER MANUFACTURER'S INSTRUCTIONS.
9. 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. SOUJEEGE OUT ALL AIR BUBBLES FOR PROPER ADHESION.
10. TURN CURB RIGHT SIDE UP. LEVEL CURB BETWEEN BOTTOM OF CURB AND DECK. INSTALL IN ROOF OPENING. SECURE CURB TO ROOF FRAMING AS REQUIRED.
11. GENERAL CONTRACTOR OR ROOFING CONTRACTOR SHALL FLASH AND ROOF IN THE CURB AS DETAILED ON THE DRAWINGS.
12. 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.
13. 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,C,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**

1. 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.
2. PROVIDE THERMOSTAT AT 66" A.F.F. IN A WALL NEAR LOCATION SHOWN. SEAL WALL OPENINGS WITH CAULK. AUDIO-VISUAL ANNUNCIATOR TIED INTO SMOKE DETECTOR. COORDINATE LOCATIONS ON SITE WITH G.C. AND EQUIPMENT. AVOID SOURCES OF HEAT. INSULATE BACKS OF STATS.
3. 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.
4. RUN 10X10 EXHAUST DUCT TO EXHAUST FAN ON ROOF AS SHOWN. OFFSET AND TRANSITION AS NEEDED.
5. 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 SMOKE DETECTOR.
6. 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.
7. 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

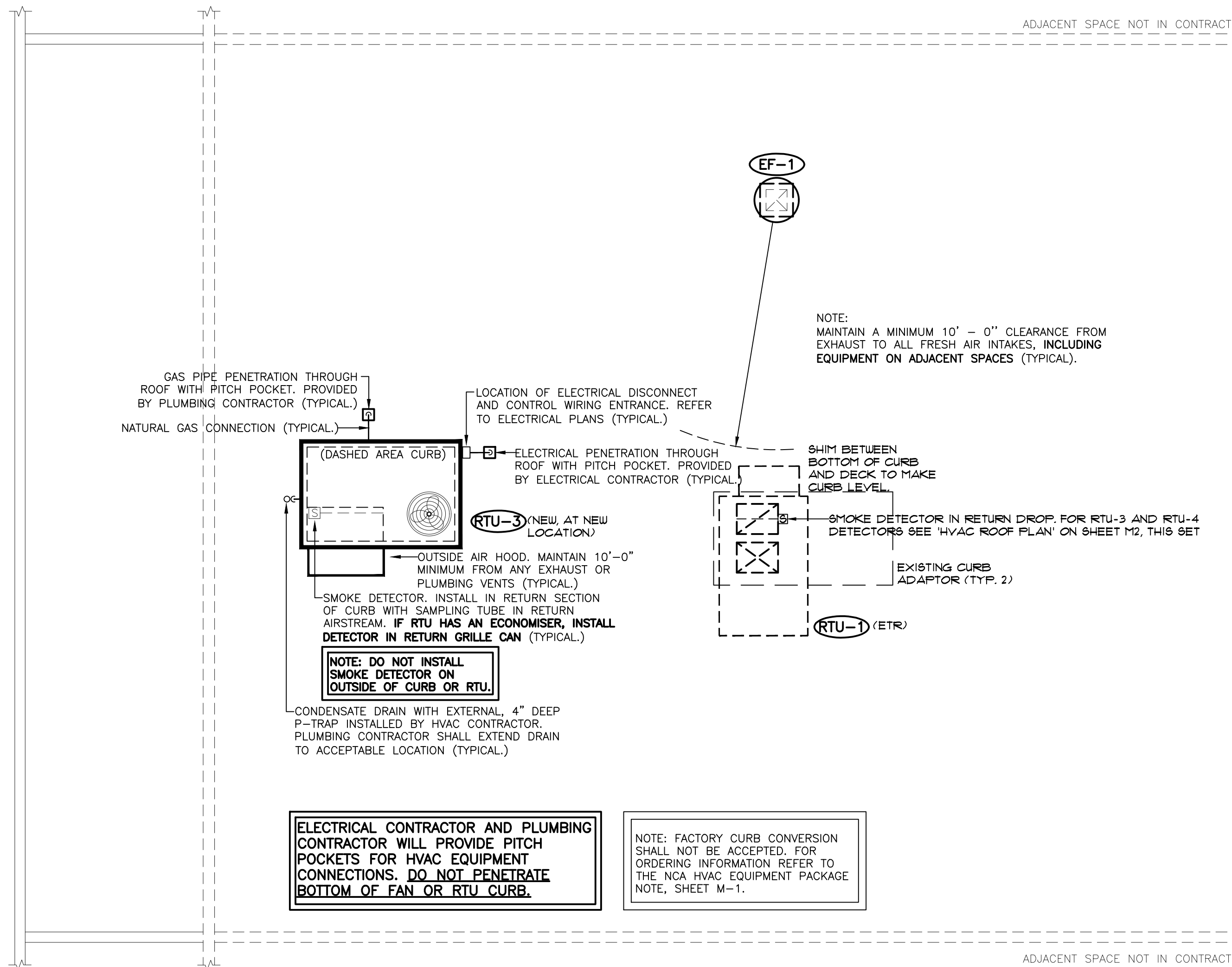
**PACKAGE ROOFTOP UNIT SCHEDULE (RTU-1,2,3,4)**

TAG	MANUFACTURER	RTU-1,2	RTU-3	RTU-4
		(EXISTING) TRANE	CARRIER	CARRIER
		<b>TS060 (5 TON)</b>	<b>48HCED08 (7.5 TON)</b>	<b>48HCFD14 (12.5 TON)</b>
		RTUS ARE EXISTING AND TO REMAIN. HVAC CONTRACTOR IS TO SET AIR CAPACITIES PER THE AIR BALANCE SCHEDULE. THIS SHEET, VERIFY PROPER WORKING OPERATION OF UNIT, AND IMMEDIATELY REPORT ANY PROBLEMS TO THE GENERAL CONTRACTOR AND NCA CONSULTANTS.	ROOF, 78" X 50"	ROOF, 106" X 54"
		TOTAL COOLING CAPACITY, MBTU/HR	NATURAL GAS	NATURAL GAS
		95.2	95	148.0
		SENSIBLE COOLING CAPACITY, MBTU/HR	71.0	103.8
		80/67	80/67	80/67
		AMBIENT AIR DB TEMPERATURE, °F	95	95
		SUPPLY AIR CFM	3000	5000
		OUTSIDE AIR CFM	SEE SCHEDULE	SEE SCHEDULE
		EXTERNAL STATIC PRESSURE, "WG	0.75	0.75
		BHP - MEDIUM STATIC MOTOR	2.4	3.7
		E.E.R.	12.0	12.2
		GAS INPUT MBTU/HR	120/180	192/240
		GAS OUTPUT MBTU/HR	98/148	156/195
		UNIT WEIGHT, LBS	1100	1300
		ELECTRICAL REQUIREMENT, V/PHASE/HZ	208-230/3/60	208-230/3/60
		MINIMUM CIRCUIT AMPERAGE	38.8	60.0
		MAXIMUM OVER CURRENT PROTECTION	50	70

ACCESSORIES - RTU-3,4 ONLY:  
 1. 100% ECONOMISER WITH BAROMETRIC RELIEF  
 2. NCA PLENUMIZED CURB, TO ORDER CALL TOLL-FREE (877) 530-0078.  
 3. ONE YEAR COMPLETE PARTS AND LABOR WARRANTY  
 4. ADDITIONAL FOUR YEAR PARTS WARRANTY COVERING COMPRESSORS  
 5. SMOKE DETECTOR (SEE HVAC ROOF PLAN, SHEET M-2) \* PROVIDE FOR RTU-1,2 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.

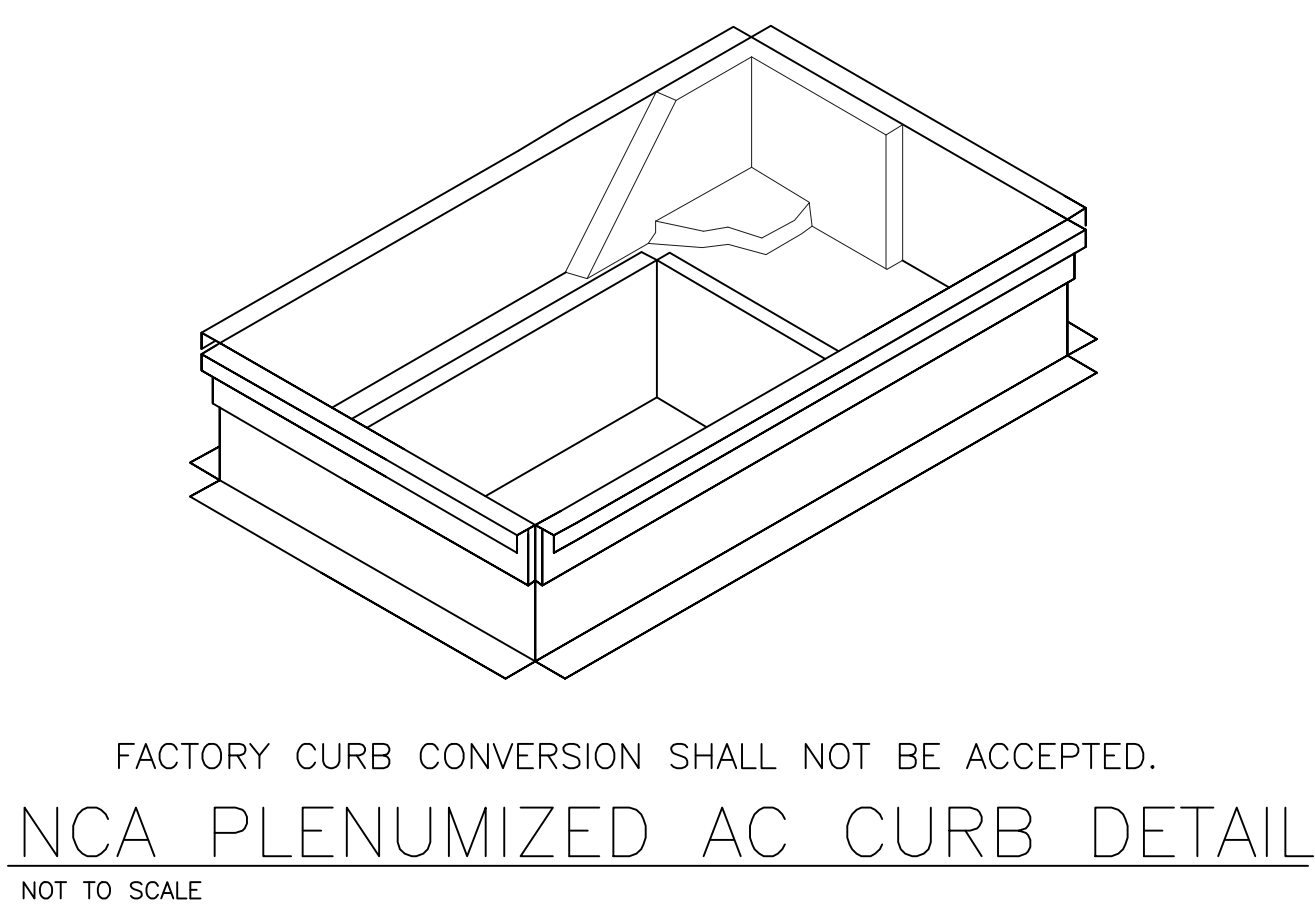
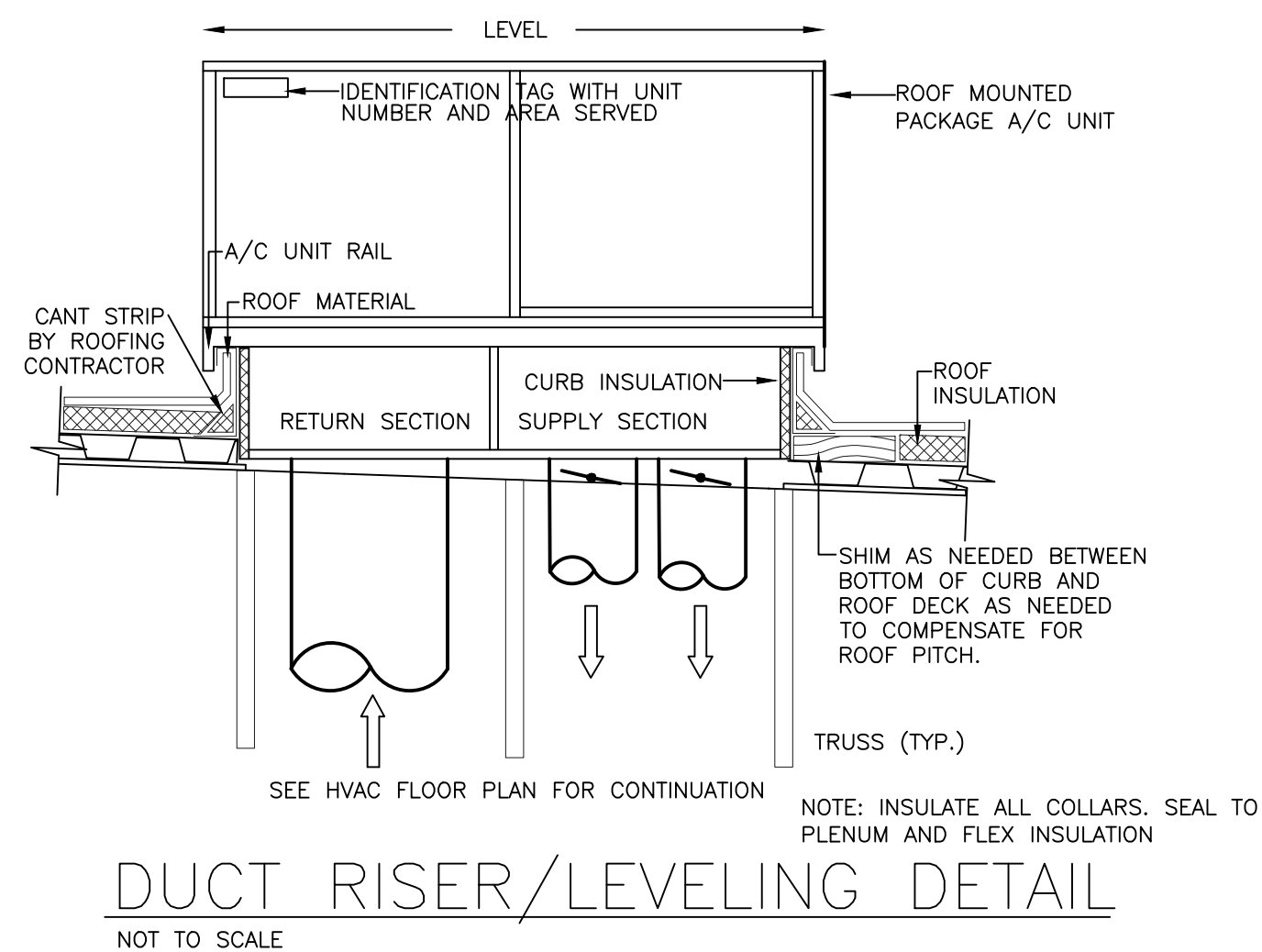
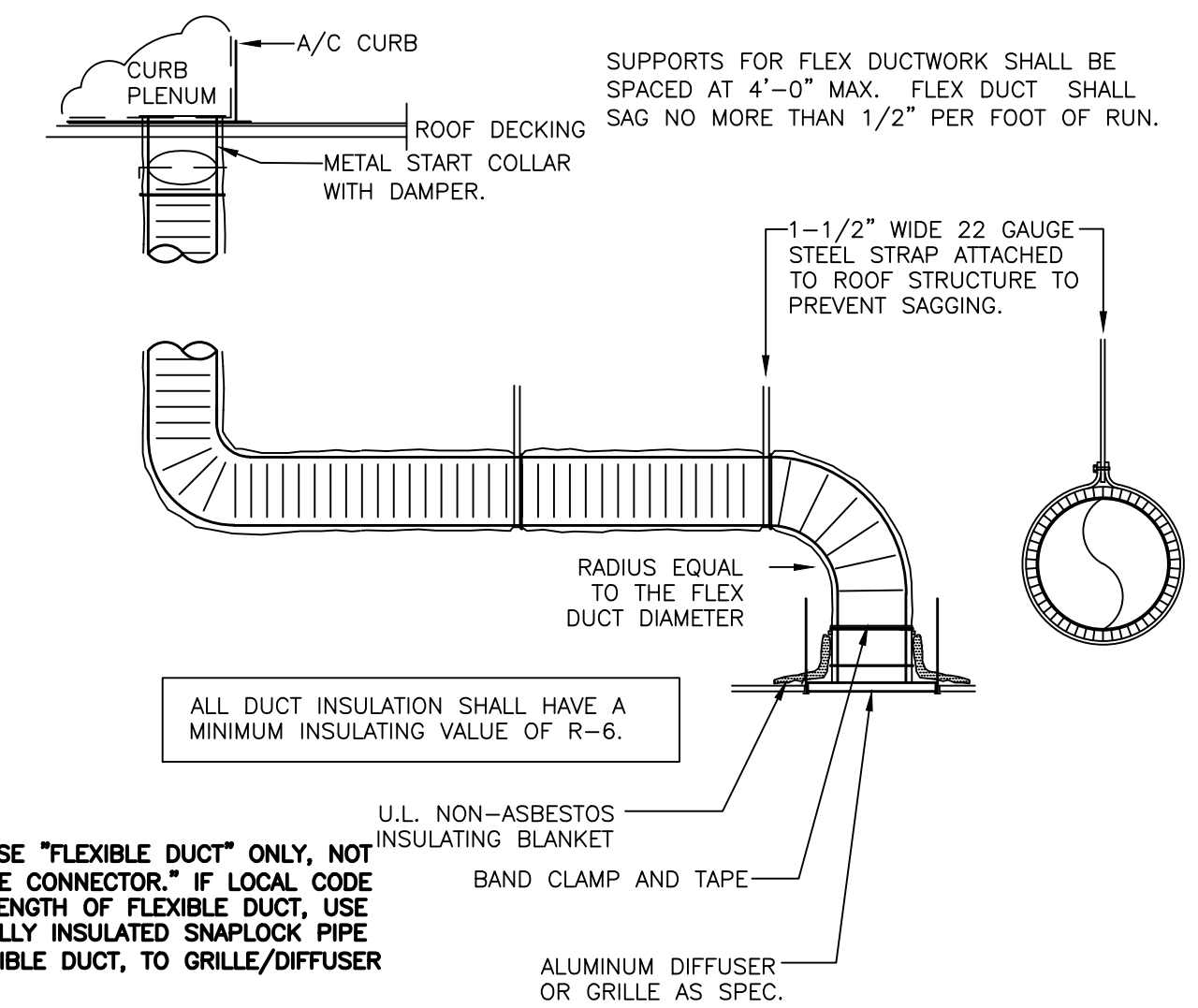
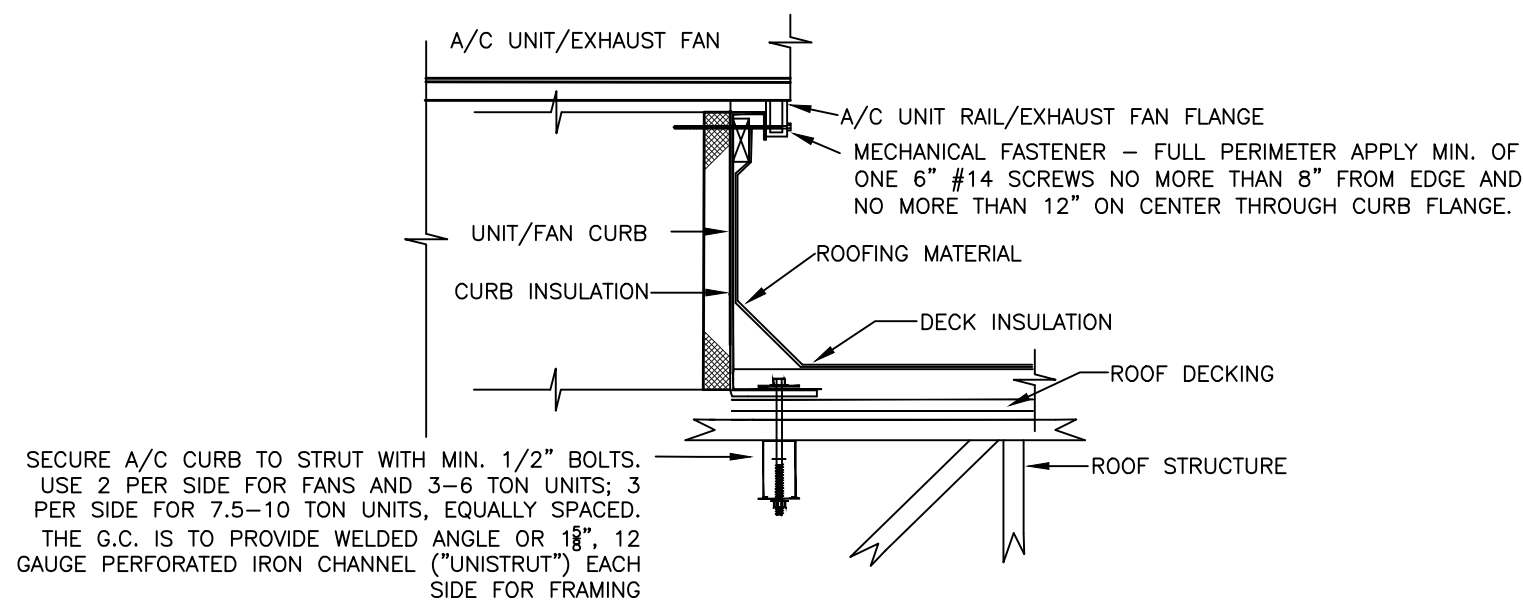
HVAC SYSTEM  
**NCA**  
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 LARGO, FLORIDA  
 PHONE: (877) 530-0078  
 CALL NCA MARKETING FOR PRICING  
 NCA JOB #211317

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### ROOF PLAN - HVAC

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



DUCT SCHEDULE	
SIZE	GAUGE
6" - 8"	28
10" - 12"	26
14" - 16"	24
18" - 20"	22

DUCT SUPPORT  
SUPPORT DUCTWORK WITH 1-1/2" WIDE 22 GAUGE STEEL STRAPS FIRMLY ATTACHED TO THE BUILDING STRUCTURE. SPACING SHALL BE MAXIMUM 10'-0" FOR RIGID DUCTWORK, AND MINIMUM 4'-0" FOR FLEXIBLE DUCTWORK. 12 GAUGE WIRE MAY BE SUBSTITUTED FOR STRAPS IF 1-1/2" WIDE 22 GAUGE STEEL SADDLES ARE USED TO FULLY ENCLOSE DUCT. REFER TO THE HVAC DUCT CONSTRUCTION STANDARDS PUBLISHED BY SMACNA FOR ADDITIONAL DETAILS. FULLY COMPLY WITH MECHANICAL CODES.

### RIGID/FLEXDUCT CONNECTION/INSTALL DETAIL

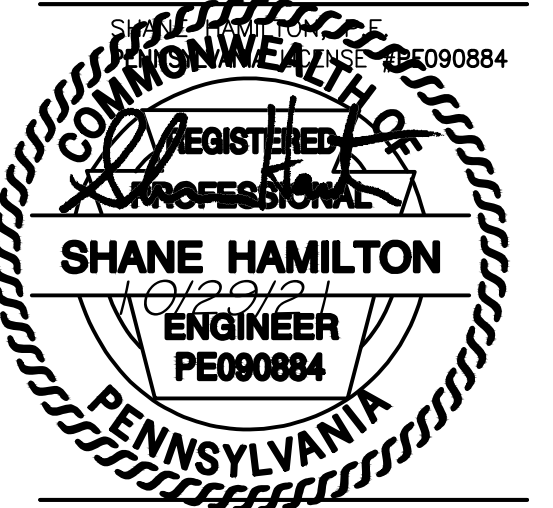
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10-22-21	FOR CONSTRUCTION	KM
10-28-21	UPDATED	KM

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DATE \_\_\_\_\_

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

HVAC ROOF PLAN AND  
HVAC DETAILS

M2.00

HVAC SYSTEM  
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**HOOD INFORMATION - JOB#5153507**

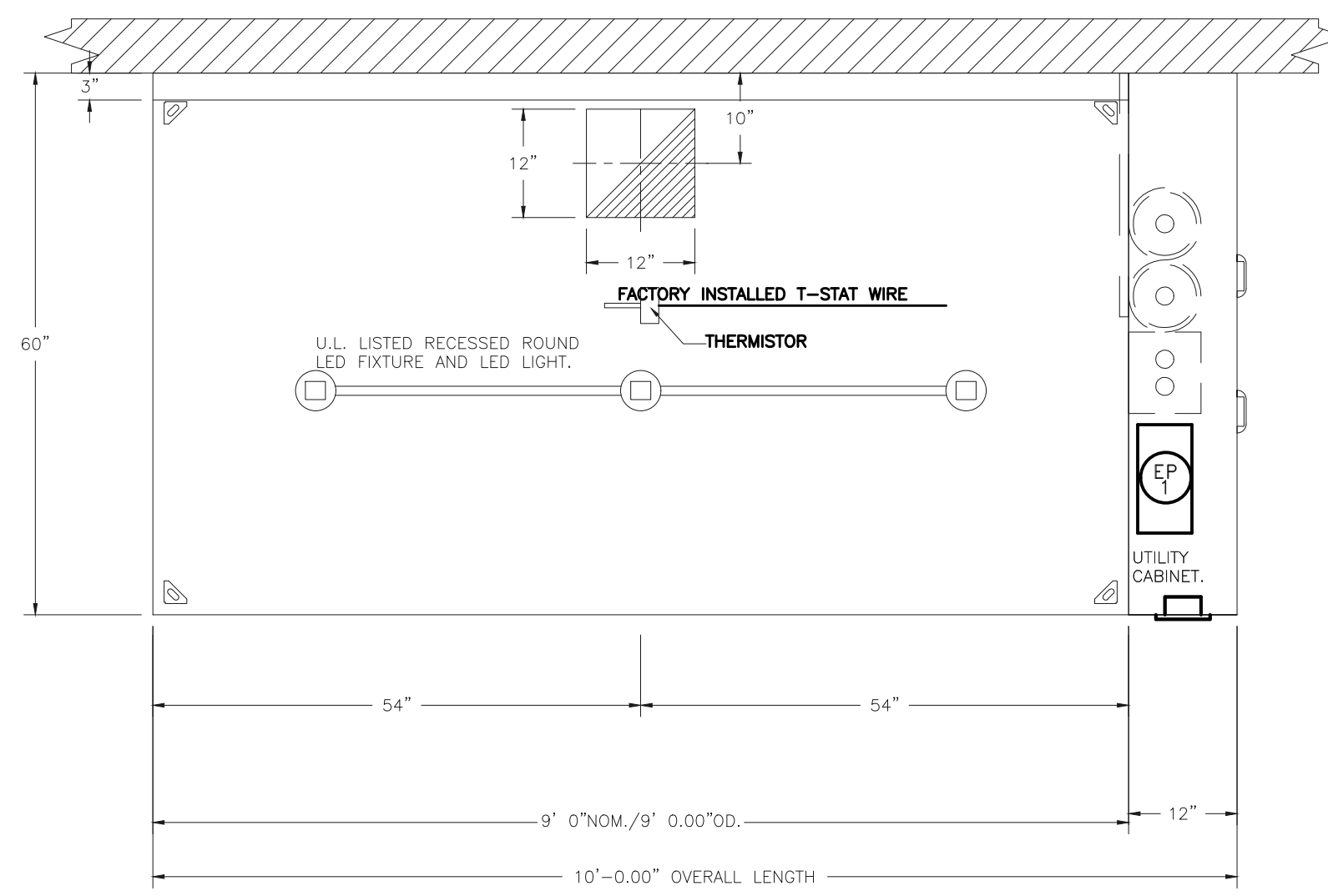
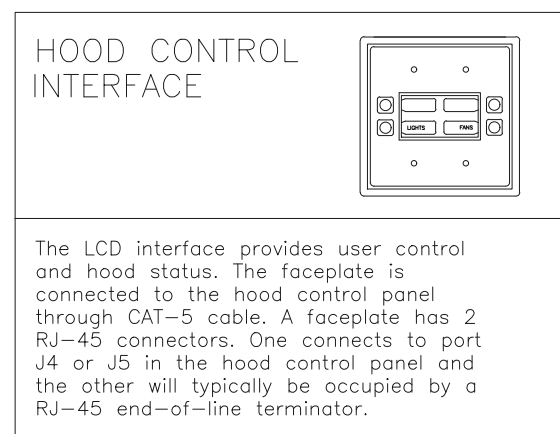
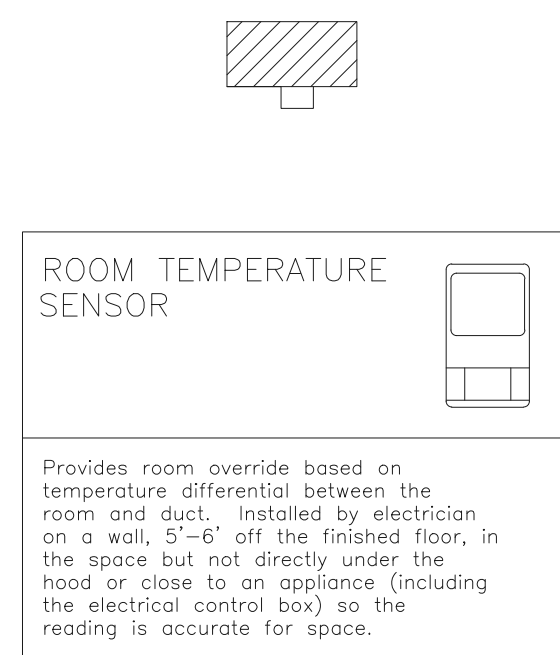
HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISE(S)				HOOD CONSTRUCTION	HOOD CONFIG			
										WIDTH	LENG	HEIGHT	DIA		CFM	VEL	SP	END TO END
1		6024 ND-2	CAPTIVEAIRE	9' 0"	600 DEG	I	HEAVY	200	1800	12"	12"	4"	1800	1800	-0.713'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

**HOOD INFORMATION**

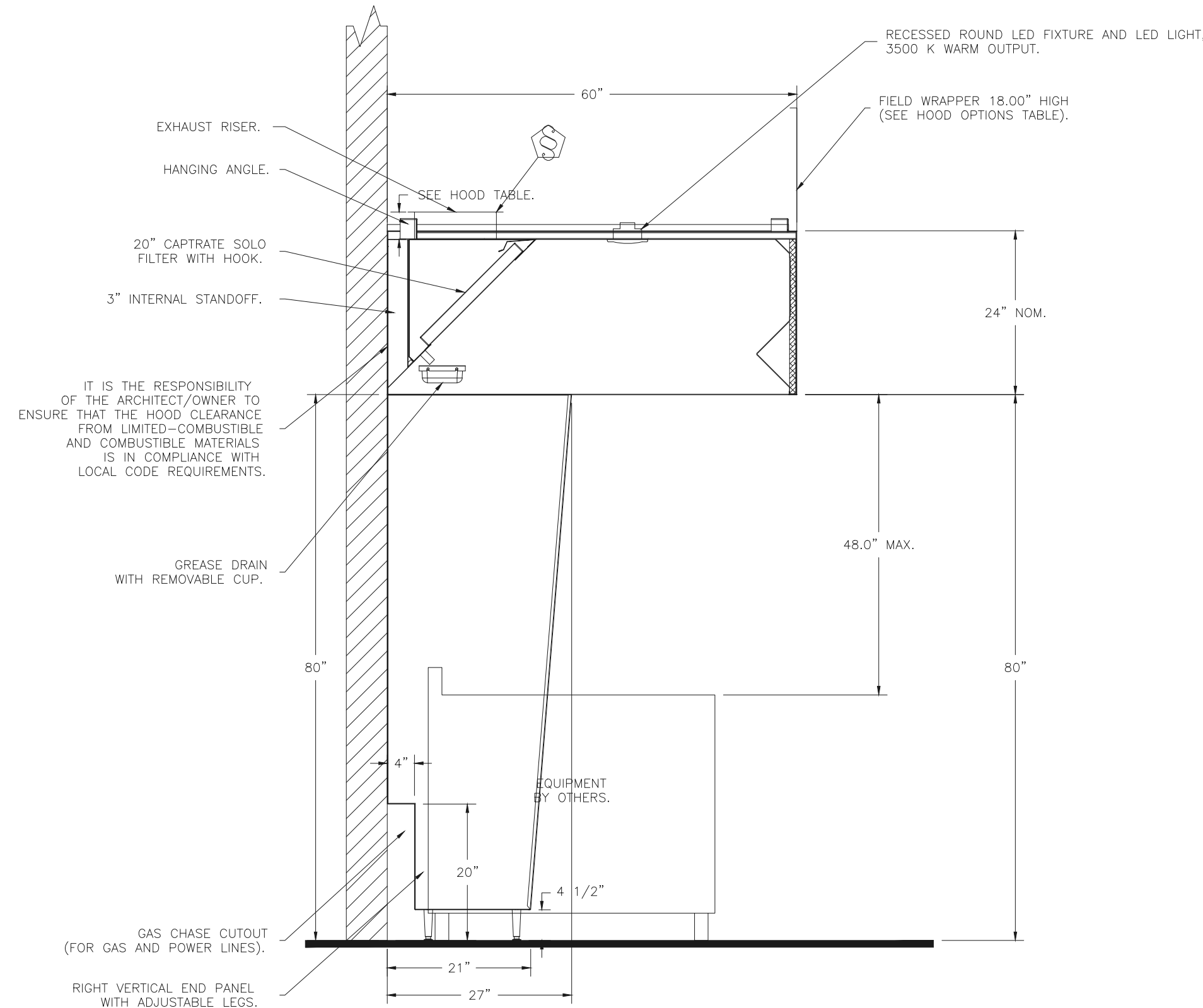
HOOD NO	TAG	FILTER(S)				LIGHT(S)				UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD HANGING WEIGHT		
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM	SIZE			ELECTRICAL MODEL #	SWITCHES QUANTITY
1		CAPTRATE SOLO FILTER	6	20"	16"	85% SEE FILTER SPEC	3	RECESSED 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.



PLAN VIEW - HOOD #1  
9' 0.00" LONG 6024ND-2



SECTION VIEW - MODEL 6024ND-2  
HOOD - #1

**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.

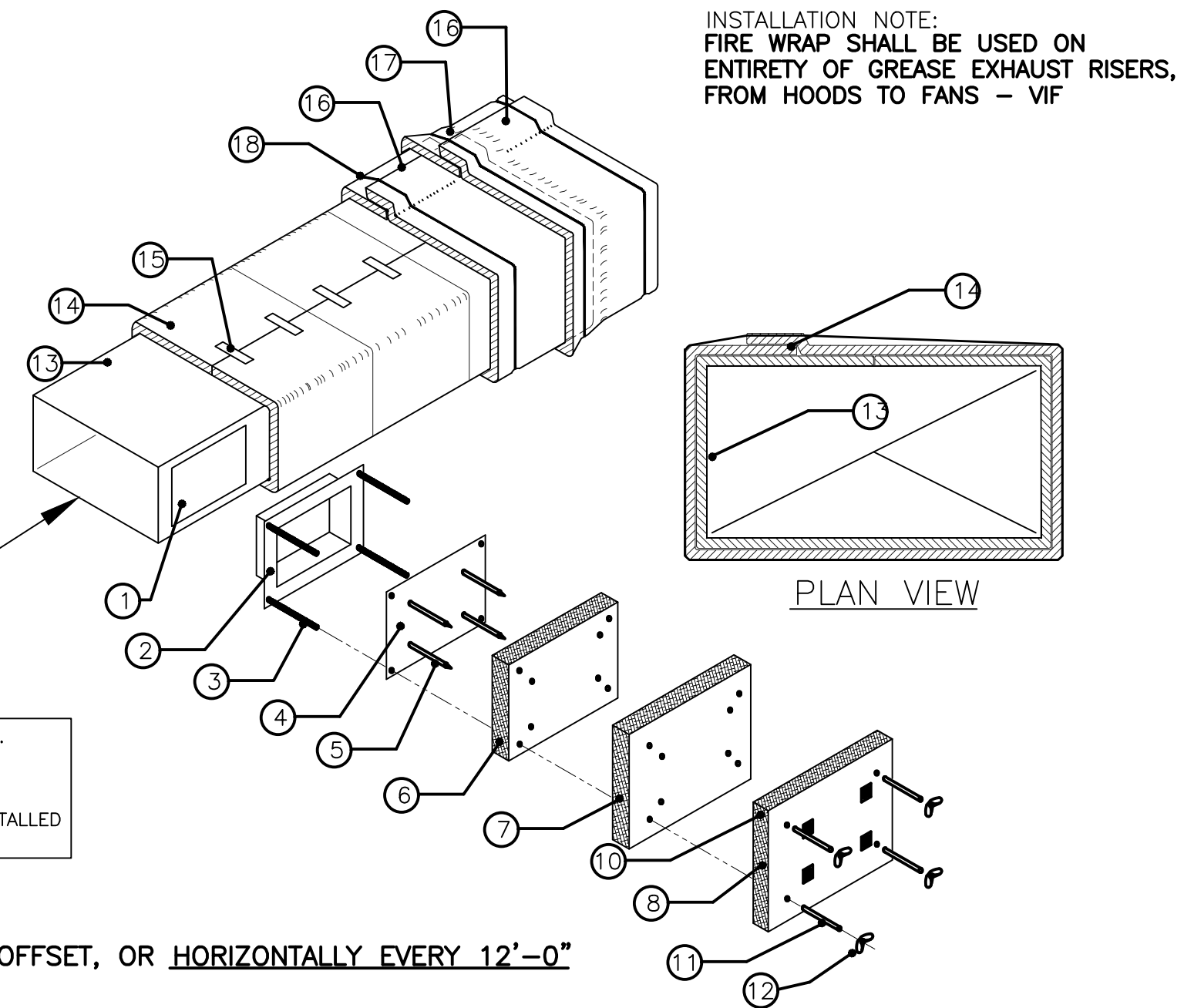
LEGEND	
1	DOOR HOLE
2	ACCESS FRAME WELDED TO DUCT
3	1/4" DIA. ALL THREAD RODS
4	ACCESS COVER: 16 GA.
5	INSULATION PINS: WELDED
6	1 3M FIRE BARRIER 615 PLUS
7	1 3M FIRE BARRIER 615 PLUS 1" OVERLAP
8	1 3M FIRE BARRIER 615 PLUS 1" OVERLAP
9	SPEED CLIPS
10	ALUMINUM TAPE EDGES
11	SPOOL PIECES FOR THREADED 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 PREFABED DUCT BY CAPTIVE AIRE. INSTALLED CORRECTLY MAY BE EXEMPT FROM LIGHT INSPECTION IF USED.

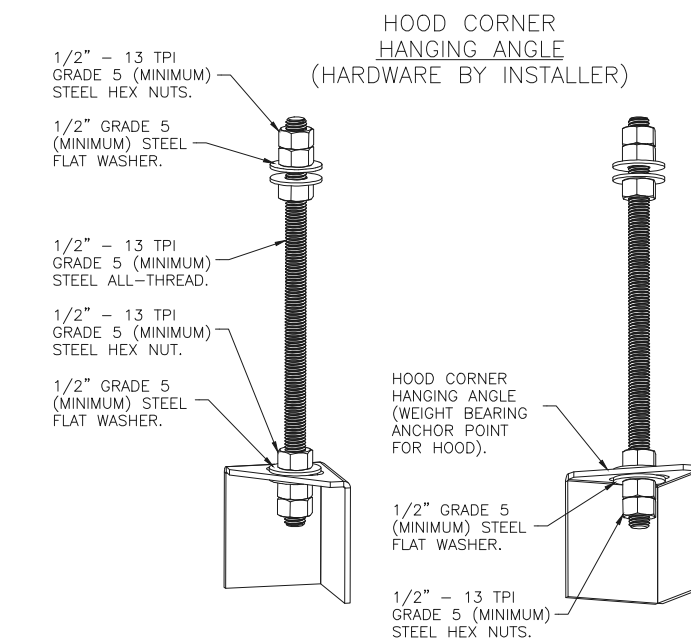
NOTE: ACCESS DOOR NOT REQUIRED UNLESS OFFSET, OR HORIZONTALLY EVERY 12'-0"

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

NOT TO SCALE



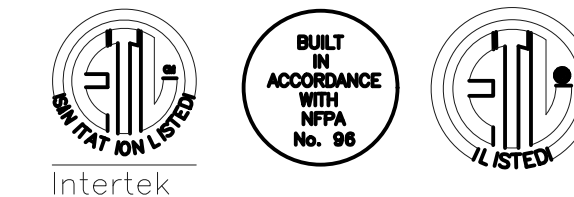
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**ASSEMBLY INSTRUCTIONS**

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.

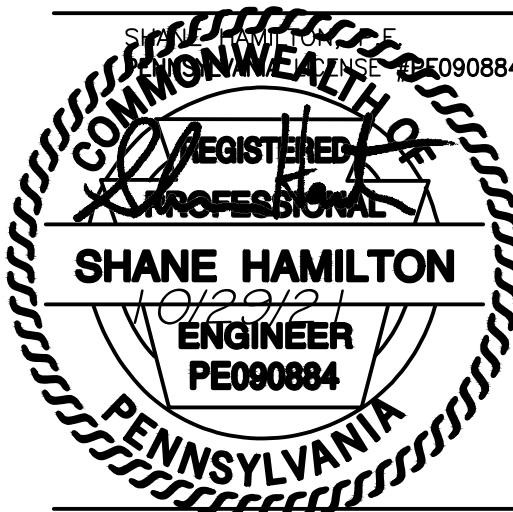
CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH



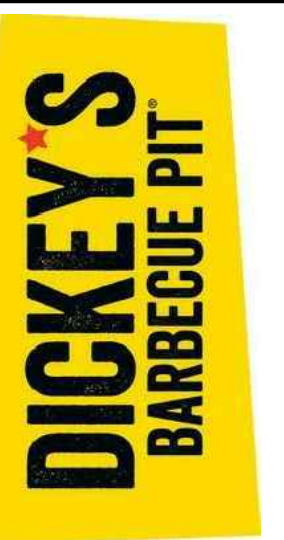
NFPA #96  
UL 710 & ULC710 STANDARDS  
E.T.L. LISTED 3054804-001

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DATE \_\_\_\_\_

ISSUED/REVISED

HOOD DETAILS

**M3.00**

HVAC SYSTEM  
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CALL NCA MARKETING FOR PRICING  
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DATE \_\_\_\_\_

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HOOD DETAILS

M4.00

**ELECTRICAL PACKAGE - JOB#5153507**

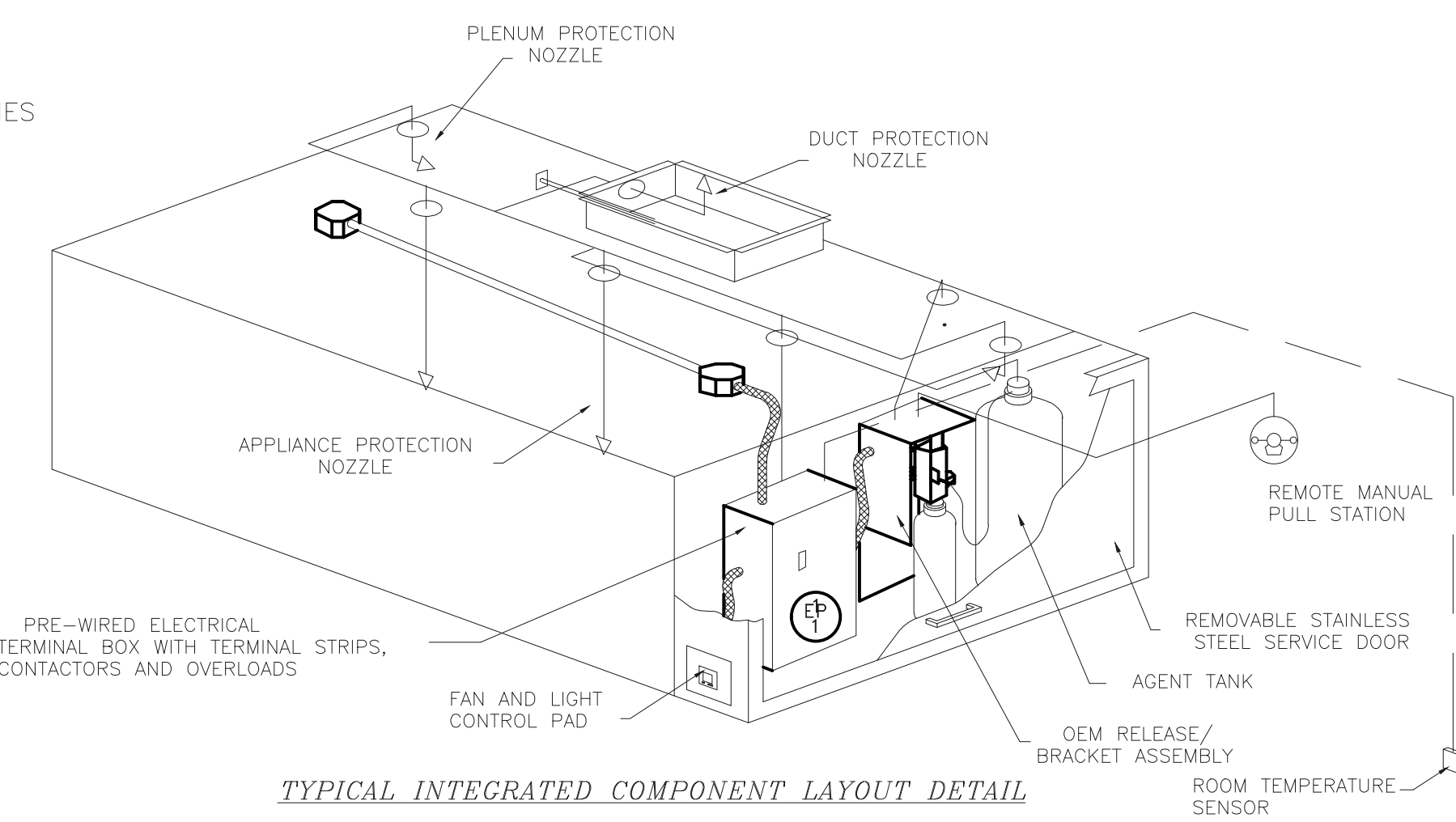
NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	HP	VOLT	FLA	
1		SC-110110MA	UTILITY CABINET RIGHT	04 - UTILITY CABINET RIGHT HOOD # 1	1 LIGHT	SMART CONTROLS THERMOSTATIC CONTROL W/ RELAY ON/OFF WITH SUPPLY	EF-1	EXHAUST	1	1,000	115	11.6

**FIRE SYSTEM INFORMATION - JOB#5153507**

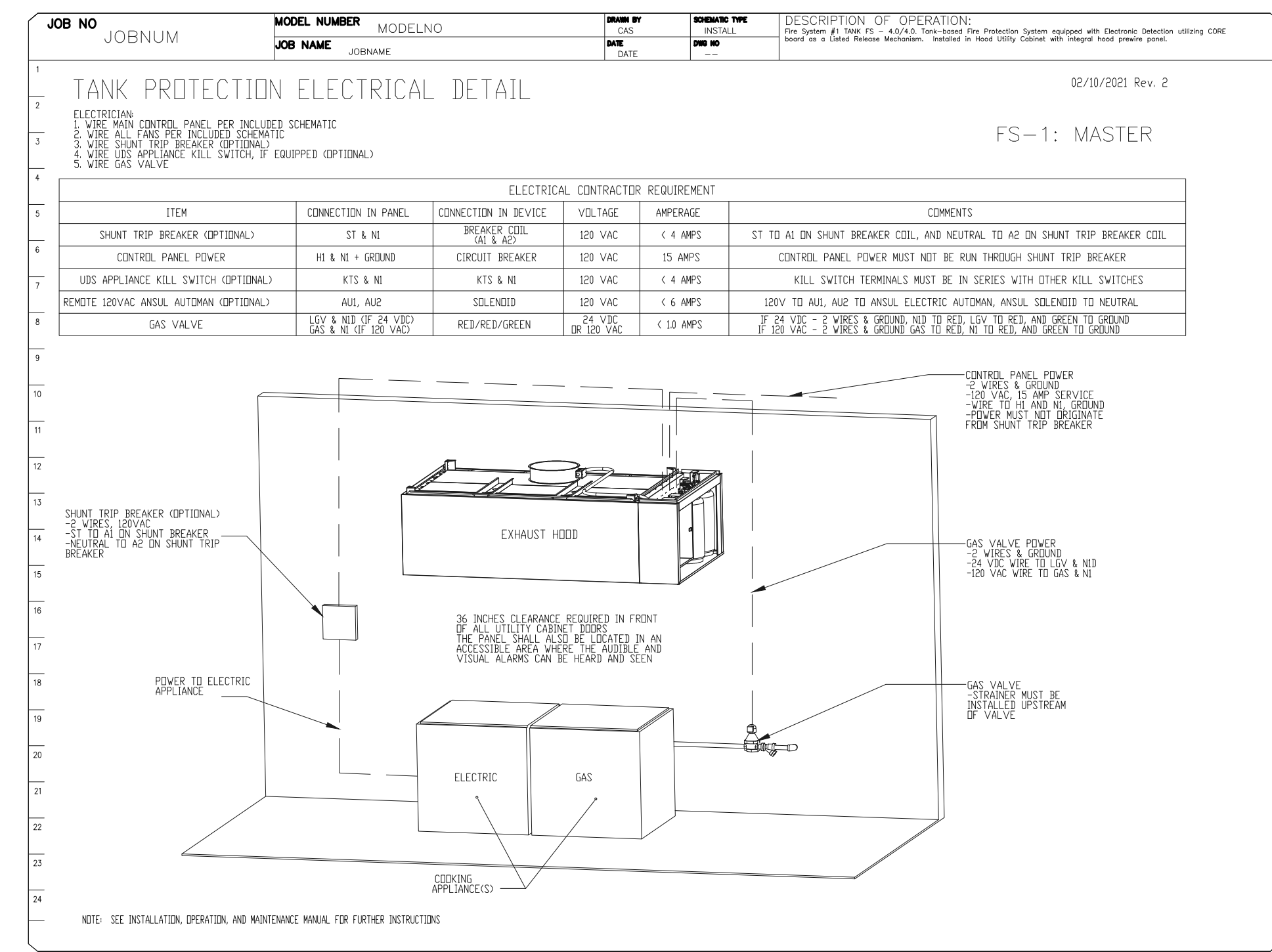
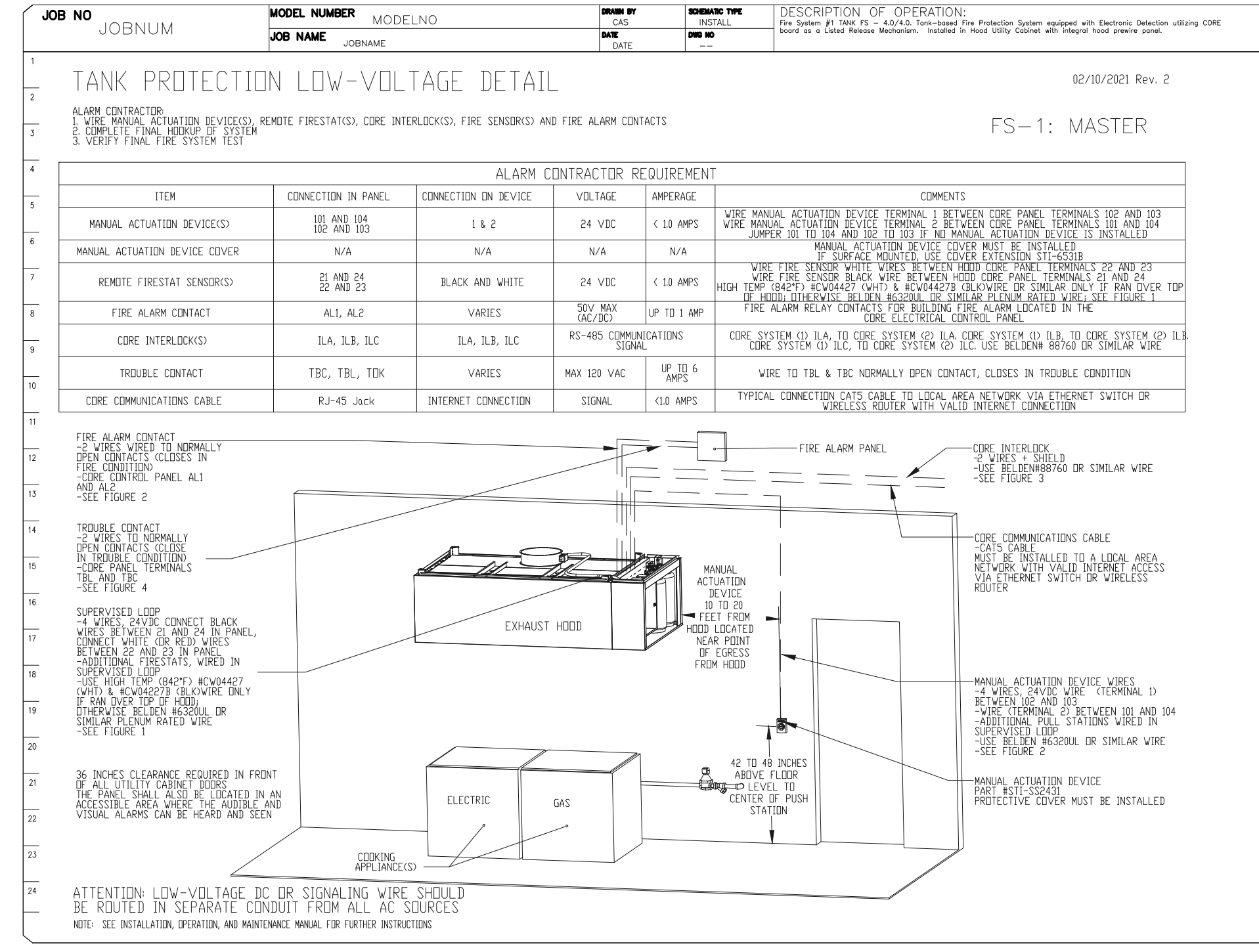
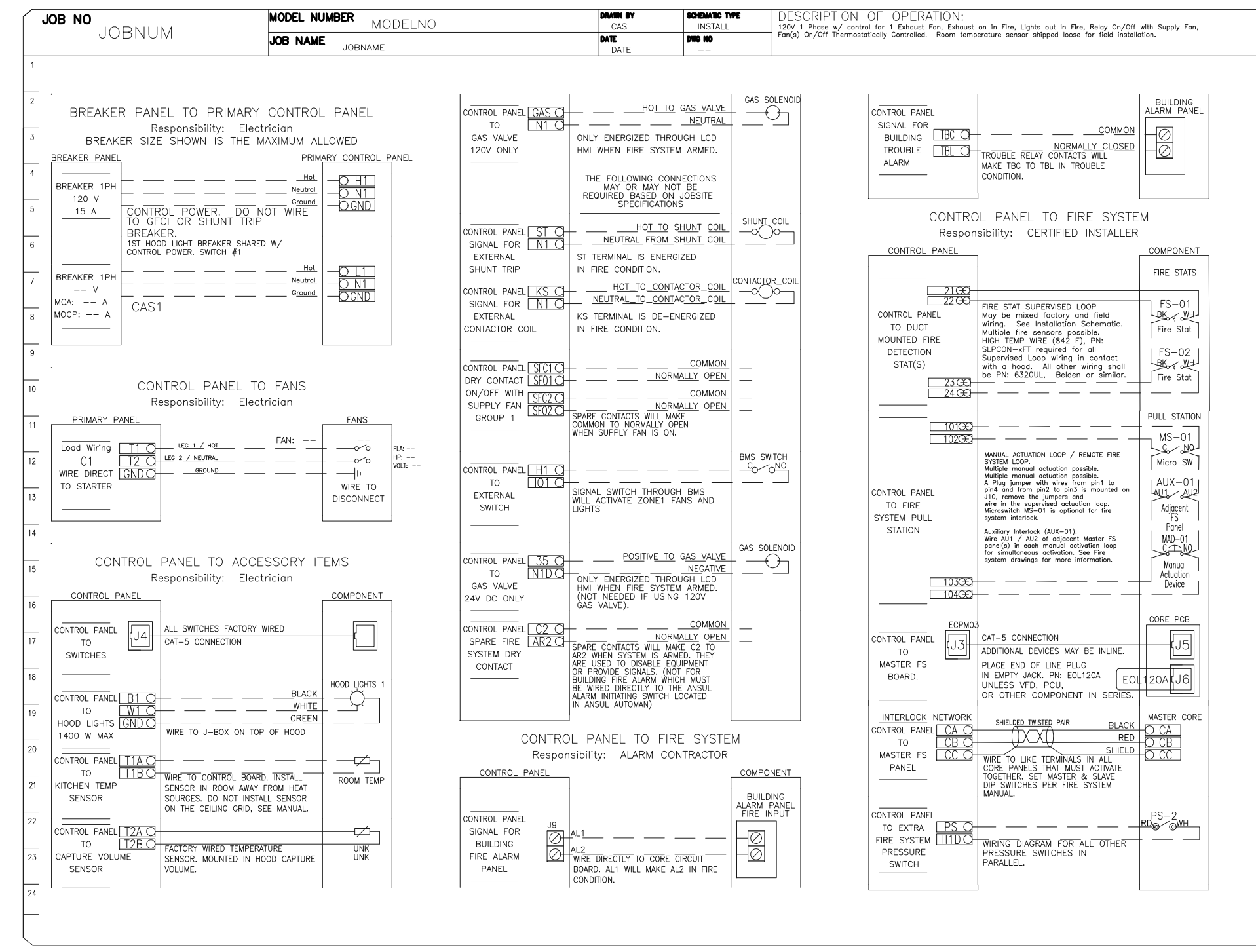
FIRE SYSTEM NO	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		TANK FS	4.0/4.0	20	FIRE CABINET RIGHT	RIGHT, HOOD 1

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**

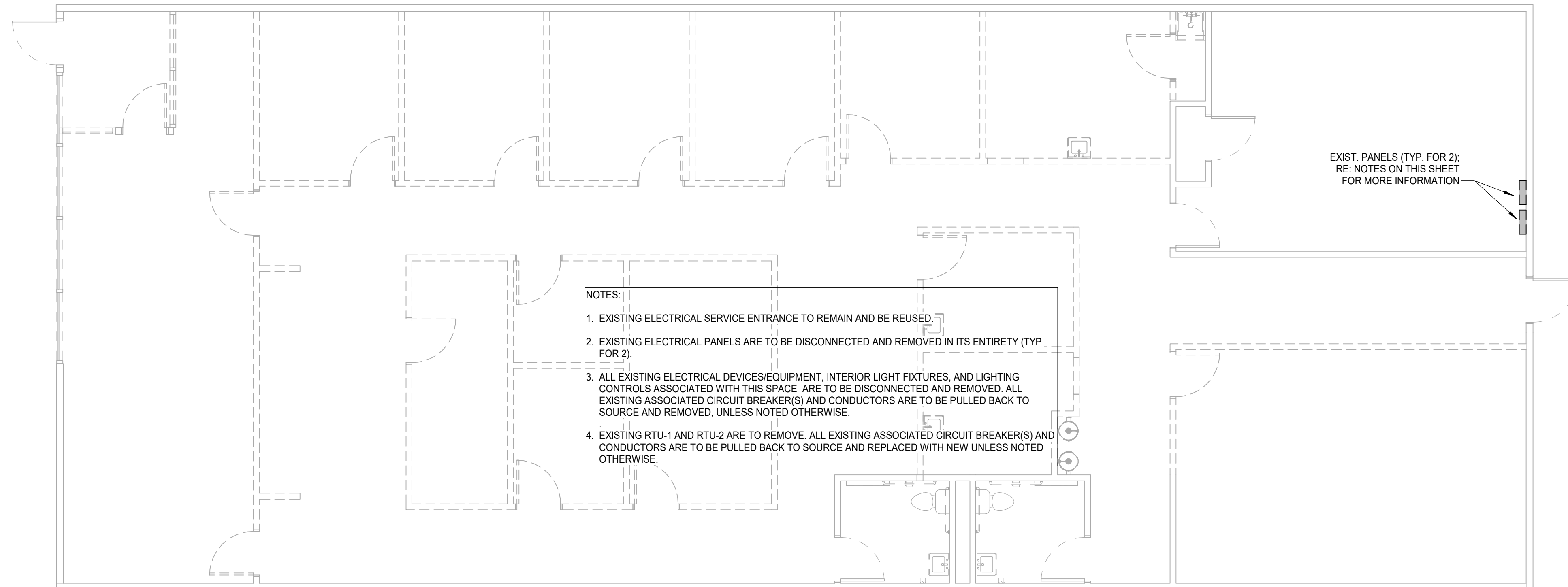


**ELECTRICIAN NOTES :**  
All Hood/Fan/EMS/UDS/PCU electrical connections and interconnections to be provided and installed by Electrician. Electrician to provide, install, and land wiring between hood lights, hood temp sensors, remote Anslu system microswitches, and any other component requiring an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

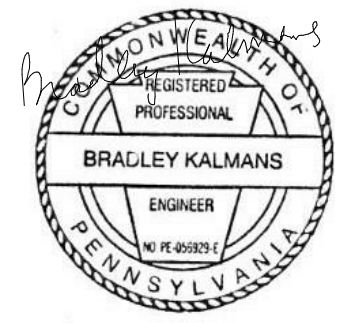
HVAC SYSTEM  
**NCA**  
CONSULTANTS/GROUP  
6510 N. 125TH AVENUE, SUITE #1001  
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**1 ELECTRICAL DEMOLITION PLAN**  
Scale: 3/16" = 1'-0"

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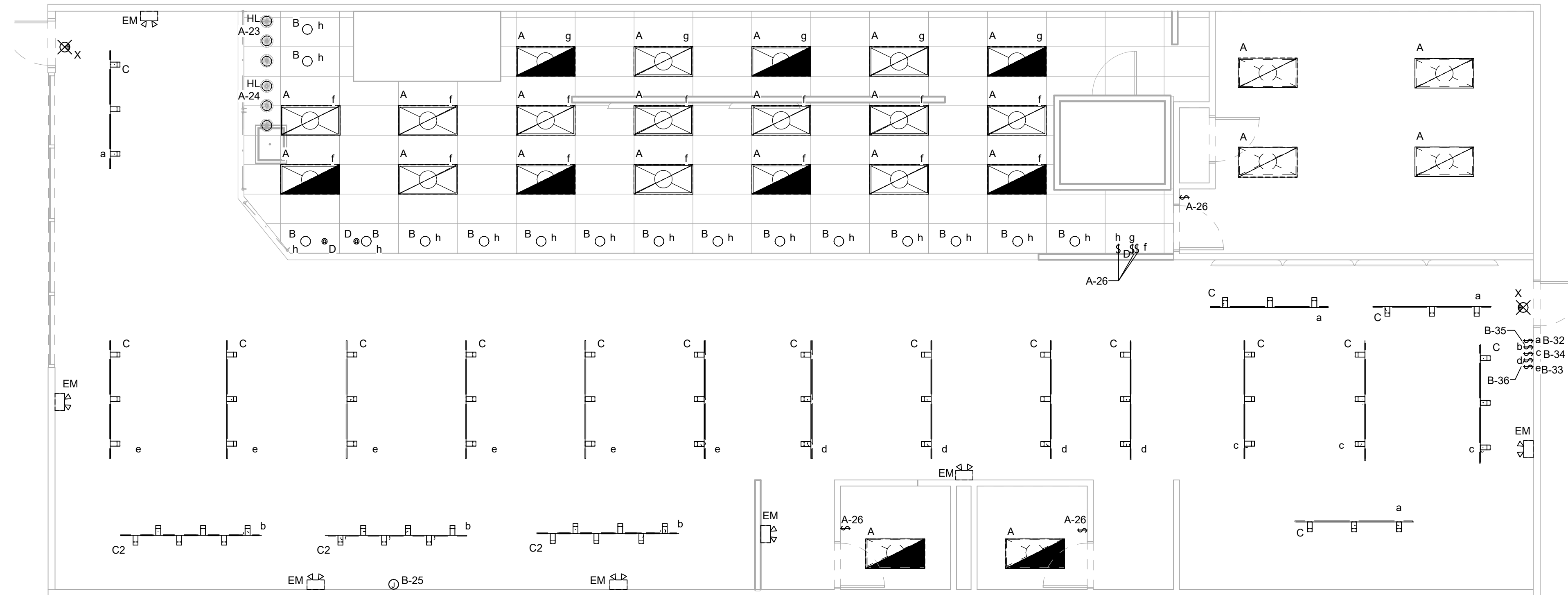
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LIGHTING FIXTURE SCHEDULE						
MARK	MANUFACTURER & FIXTURE FAMILY	MOUNTING	NOMINAL WATTAGE	VOLTAGE	NOMINAL DELIVERED LUMENS	REMARKS
A	LITHONIA - 2BLT440LADSMZ1LP835-EL14	RECESSED GRID	30.0 W	120 V	3922 lm	2X4 LED FLAT PANEL
B	CONTECH - RL38SA335KC12D/CTR3002	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 REG-1-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 REG-1-B CIRCUIT BREAKER. PROVIDE EACH TRACK SYSTEM WITH (6) LED CYLINDER
D	FOCAL POINT - FLCY3-RD-WHG-1000L-35K-1C-PC-LZ1-C72-DNT-NFL-CD-BK	PENDANT	20.0 W	120 V	1000 lm	LED ARCHITECTURAL CYLINDRICAL PENDANT. PROVIDE SUSPENSION HARDWARE AS REQUIRED.
EM	CONTECH - EL2HALEM-D8	SURFACE	2.0 W	120 V		EMERGENCY LIGHTING UNIT WITH INTEGRAL BATTERY, (2) ADJUSTABLE LED HEADS, AND SELF DIAGNOSTICS.
HL	HATCO - DL-775-RTRBB-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/CEILING	1.0 W	120 V		EXIT SIGN WITH RED LETTERS. PROVIDE WITH NUMBER OF FACES AND DIRECTIONAL ARROWS AS INDICATED.

LIGHTING FIXTURE SCHEDULE NOTES:

- 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.
- ALL REQUIRED TEST SWITCHES FOR THE BATTERY BACK-UPS SHALL BE INTEGRAL TO THE FIXTURE.
- 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.
- UNLESS OTHERWISE INDICATED ON THE SCHEDULE ABOVE, THE ARCHITECT/OWNER SHALL SELECT ALL FINISHES, COLORS, AND TRIMS.
- 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.
- 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.
- 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.
- FOR PRIOR APPROVALS AND SUBMITTALS THAT DEVIATE FROM NOMINAL WATTAGE AND/OR DELIVERED LUMENS, IT SHALL BE UP TO 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.
- ALL LIGHTING SPECIFIED SHALL BE 3500K INTERIOR UNLESS NOTED OTHERWISE.
- ALL LIGHTING SPECIFIED SHALL HAVE 80CRI MINIMUM UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL PROVIDE ALL HARDWARE AND ACCESSORIES AS REQUIRED TO INSTALL FIXTURES IN LOCATIONS AS ILLUSTRATED WITH MOUNTING METHODS DESIRED.
- WHEN A UNIVERSAL (120-277V) VOLTAGE OPTION IS AVAILABLE, IT SHALL BE PROVIDED. OTHERWISE PROVIDE AS INDICATED IN SCHEDULE.
- FOR ALL SUSPENDED FIXTURES, COORDINATE THE EXACT MOUNTING ELEVATION ABOVE FINISHED FLOOR WITH ARCHITECT PRIOR TO INSTALLATION. PROVIDE SUSPENSION HARDWARE IN LENGTHS AS REQUIRED.



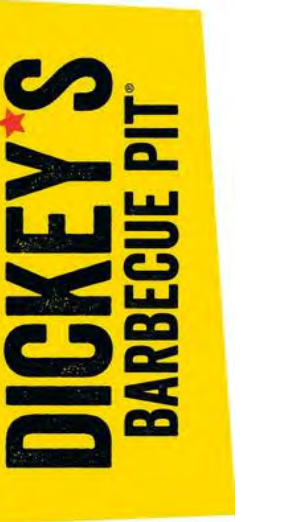
**1 ELECTRICAL LIGHTING PLAN NEW**  
Scale: 3/16" = 1'-0"

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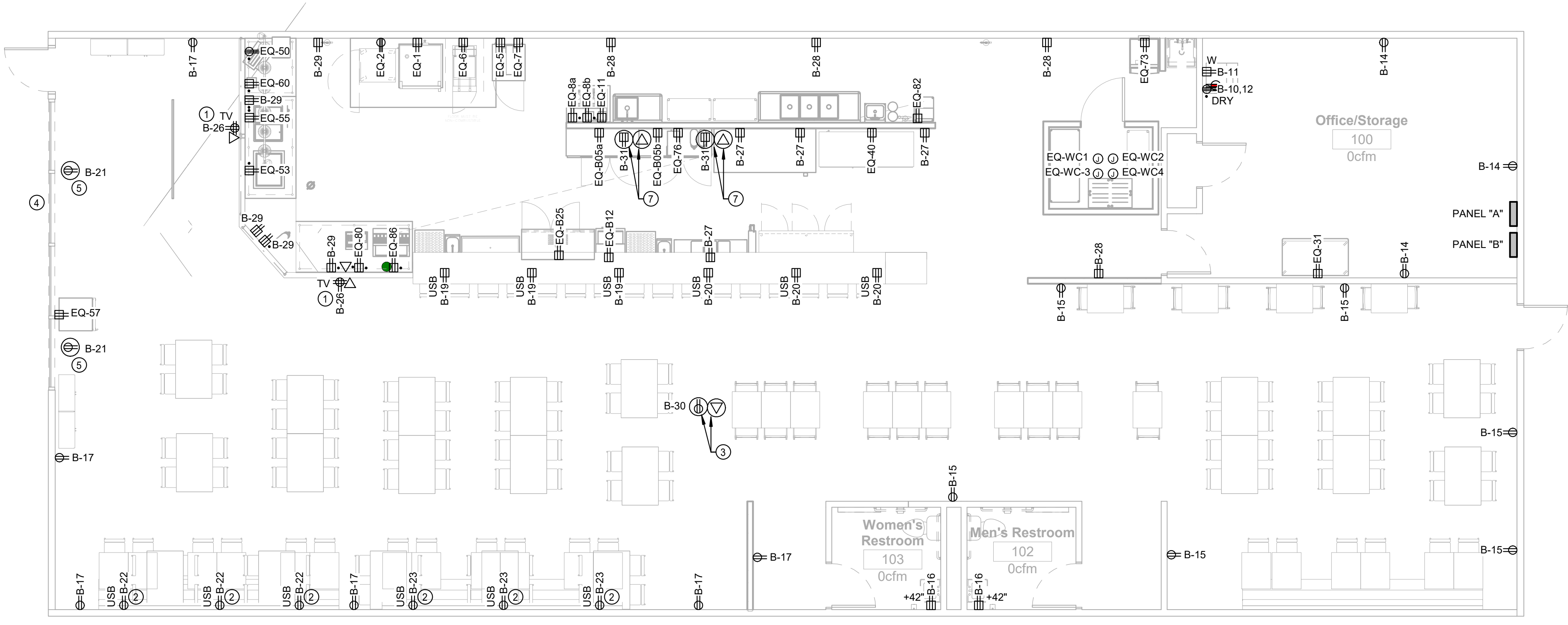
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KITCHEN EQUIPMENT SCHEDULE				
MARK	DESCRIPTION	PANEL	CIRCUIT	REMARKS
EQ-1	COMBI-OVEN	A	9	PROVIDE RECEPTACLE FOR POWER.
EQ-2	MOBILE HEATED CABINET	A	8,10	PROVIDE NEMA 5-15 RECEPTACLE FOR POWER.
EQ-5	UNDERCOUNTER FREEZER	A	12	PROVIDE NEMA 5-15 RECEPTACLE 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.

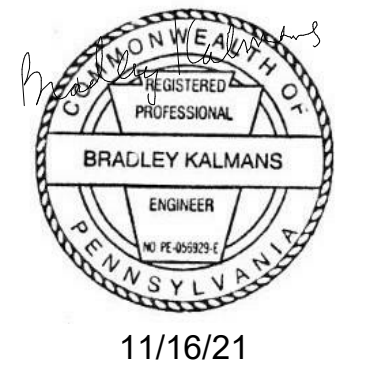
**ELECTRICAL KEYED NOTES**

- 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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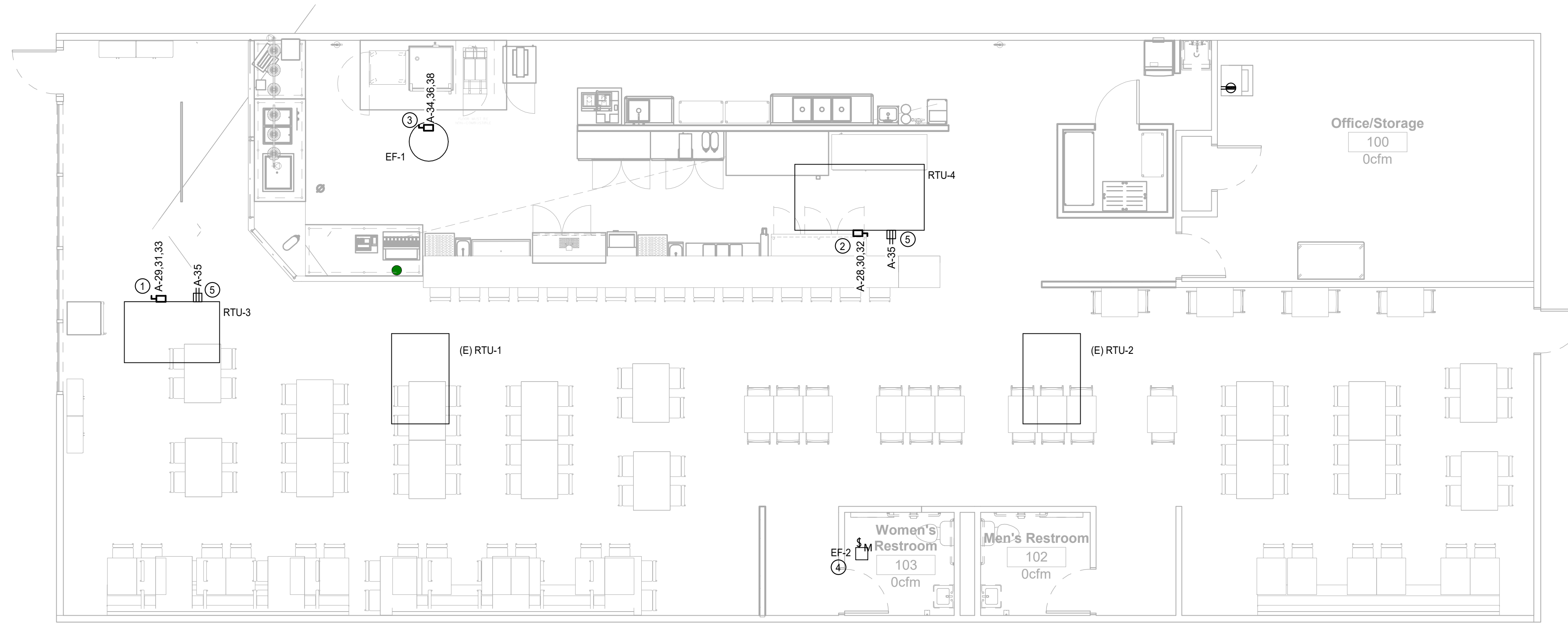
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**ELECTRICAL KEYED NOTES**

- ① PROVIDE A 240V/3P/60A/NF NEMA 3R DISCONNECT FOR THE RTU-3.
- ② PROVIDE A 240V/3P/100A/NF NEMA 3R DISCONNECT FOR THE RTU-4.
- ③ PROVIDE A 240V/2P/30A/NF NEMA 3R DISCONNECT FOR THE EF-1.
- ④ PROVIDE AN EXTERIOR RATED 20A MOTOR RATED SWITCH FOR THE EF-2. EF-2 TO BE INTERCONNECTED WITH THE RESTROOM LIGHTS.
- ⑤ INSTALL A WEATHER-PROOF GFCI RECEPTACLE IN A CLEAR IN-USE COVER.



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

**GENERAL DEMOLITION NOTES  
(APPLIES TO ALL DEMO SHEETS):**

- ELECTRICAL CONTRACTOR SHALL REMOVE ELECTRICAL EQUIPMENT AS INDICATED BY KEY NOTES, AND AS REQUIRED BY SCOPE OF DEMOLITION WORK. REFER TO ARCHITECTURAL DRAWINGS FOR ALL WALLS DESIGNATED FOR REMOVAL AND PHASING OF THIS PROJECT AS TO TEMPORARY POWER ETC. TO MAINTAIN BUILDING OPERATIONS DURING DEMO AND CONSTRUCTION.
- BEFORE ANY ELECTRICAL EQUIPMENT REMOVAL, IDENTIFY AND DISCONNECT POWER SUPPLY TO DEVICE.
- REMOVE ALL RELATED LINE SIDE AND LOAD SIDE FEEDERS (RACEWAYS AND ELECTRICAL CABLES) IN THEIR ENTIRETY OF ANY EQUIPMENT INDICATED.
- REMOVE OVERCURRENT PROTECTION DEVICE FOR EQUIPMENT INDICATED TO BE REMOVED UNLESS NOTED OTHERWISE.
- ALL REMOVED EQUIPMENT IS PROPERTY OF OWNER AND SHALL BE STORED AT OWNER DESIGNATED LOCATION FOR INSPECTION. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF EQUIPMENT OWNER DOES NOT INTEND TO KEEP, STORE, OR REUSE.
- REMOVE ALL ELECTRICAL, TELEPHONE, AND DATA OUTLETS/DEVICES IN WALLS DESIGNATED FOR DEMOLITION ON ARCHITECTURAL AND/OR ELECTRICAL PLANS. DEVICES AND OUTLETS MAY OR MAY NOT BE SHOWN ON DRAWINGS. REMOVE RELATED DEVICE AND FEEDER SERVING THE DEVICE.
- WHERE EXISTING OUTLETS AND DEVICES (RECEPTACLES OR LIGHT FIXTURES) ARE TO REMAIN ACTIVE AND IN SERVICE SHARING SAME BRANCH CIRCUITS AS OUTLET (RECEPTACLE OR LIGHT FIXTURES) TO BE REMOVED, ELECTRICAL CONTRACTOR SHALL PULL NEW BRANCH CIRCUITS TO FEED EXISTING DEVICES AS NEEDED. THIS CONDITION HAS NOT BEEN IDENTIFIED ON ELECTRICAL DEMOLITION DRAWINGS. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY SUCH CONDITIONS.
- LIGHT FIXTURES SHALL BE REMOVED AS INDICATED ON ARCHITECTURAL REFLECTED CEILING OR ARCHITECTURAL DEMOLITION PLANS. STORE ALL REMOVED FIXTURES AT OWNER DESIGNATED LOCATION. DISPOSE OF ALL FIXTURES AND LAMPS OWNER DOES NOT INTEND TO REUSE OR KEEP. REMOVE ALL RELATED BRANCH CIRCUITING, WIRING, SWITCHES, OVER CURRENT PROTECTION DEVICES, AND ALL OTHER RELATED ELECTRICAL ITEMS AS REQUIRED WHERE NOT REUSED.
- COORDINATE ARCHITECTURAL REQUIREMENTS FOR EXISTING CEILING GRID SYSTEM. ELECTRICAL CONTRACTOR SHALL PRESERVE AND PROTECT CEILING TILES AND SUPPORTING TS WHILE REMOVING ELECTRICAL COMPONENTS FROM ABOVE ANY LAY-IN CEILING AS REQUIRED.
- REMOVE ALL EXISTING ABANDONED FEEDERS (CONDUITS AND WIRING) IN THEIR ENTIRETY IN AREA OF CONSTRUCTION.
- ELECTRICAL CONTRACTOR SHALL INSPECT EXISTING ELECTRICAL FEEDERS INDICATED TO REMAIN IN SERVICE AND BE REUSED. CONTRACTOR SHALL PERFORM CONDUCTOR INSULATION TESTING ON ALL MAIN FEEDERS INTENDED TO BE REUSED IN ACCORDANCE WITH SPECIFICATION REQUIREMENTS. ALL CONDUCTORS FAILING TEST SHALL BE REPLACED WITH SAME SIZE AS EXISTING.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY EXISTING CONDITIONS AND QUANTITIES BEFORE THE FINALIZATION OF BIDS.
- ALL POWER, DATA, ETC. LOCATED BETWEEN FLOORS AND NOT RELATED TO THIS PROJECT SHALL REMAIN AND/OR SHALL BE RELOCATED AS REQUIRED. COORDINATE WITH USER AGENCY.

**GENERAL LIGHTING NOTES  
(APPLIES TO ALL LIGHTING SHEETS):**

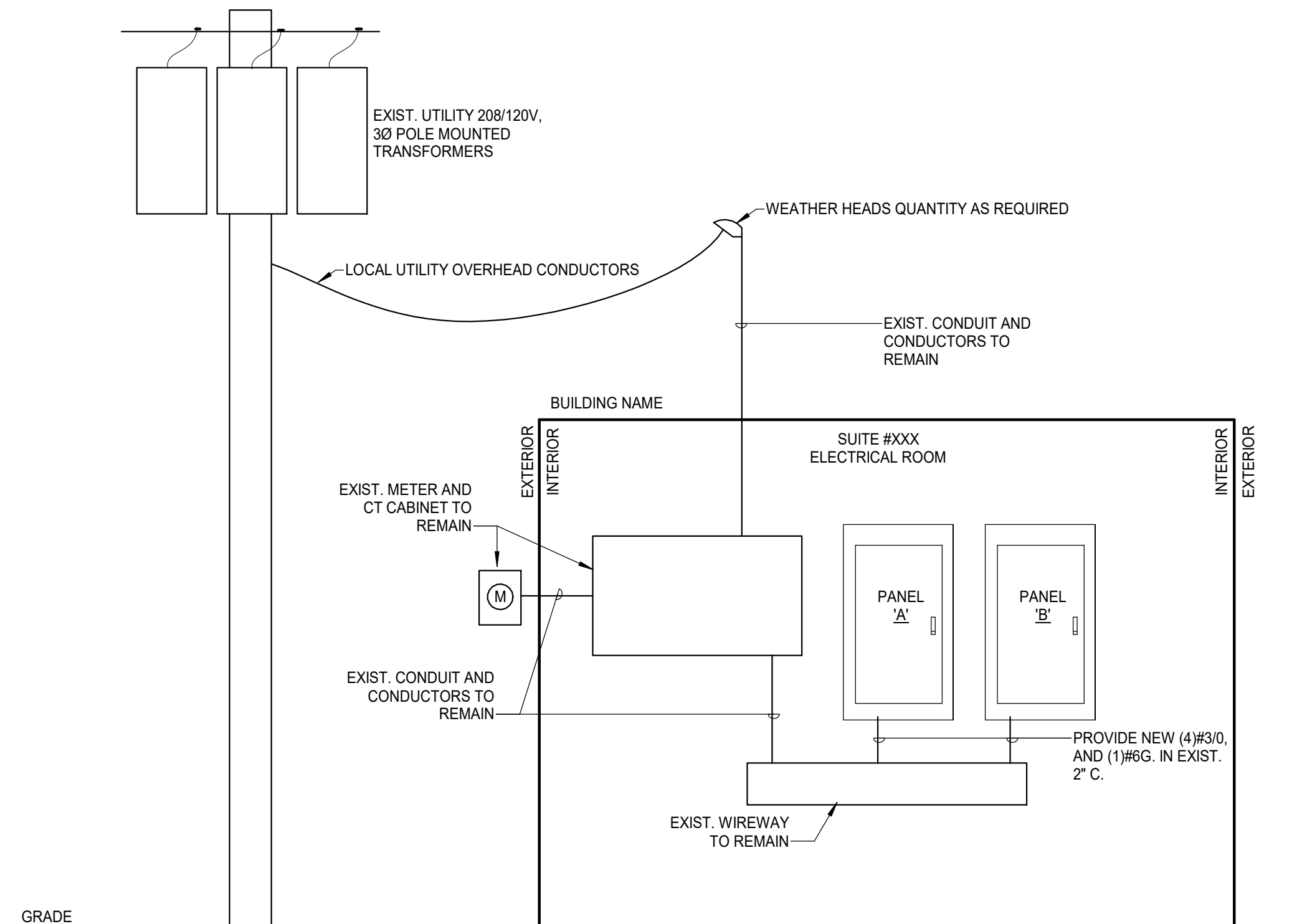
- CIRCUIT LIGHT FIXTURES TO THE CIRCUIT AS IDENTIFIED NEAR THE ASSOCIATED CONTROLS AND/OR FIXTURE.
- UNLESS OTHERWISE INDICATED, LIGHT FIXTURES SHALL BE CONTROLLED BY THE SWITCH LOCATED IN THE SAME SPACE.
- IN SPACES WITH MORE COMPLEX SWITCHING REQUIREMENTS, LOWERCASE LETTERS NEAR THE FIXTURES AND SWITCHES INDICATE THE CONTROL SCHEME.
- REFER TO PANEL SCHEDULES FOR CIRCUITS WHICH SHALL BE CONTROLLED BY PHOTOCELL/TIMELOCK.

**ELECTRICAL GENERAL NOTES:  
(NOTES APPLY TO ALL SHEETS)**

- ALL CONDUCTORS SHALL BE COPPER UNLESS OTHERWISE INDICATED.
- MOUNT ALL RECEPTACLES AT 18" ABOVE FINISHED FLOOR TO CENTER OF THE COVER PLATE UNLESS OTHERWISE INDICATED.
- FOR OUTLETS REQUIRING GFCI PROTECTION WHERE THE RECEPTACLE IS CONCEALED SUCH AS IN THE CASE OF A WATER FOUNTAIN OR VENDING MACHINE INSTALLATION, THE CONTRACTOR SHALL PROVIDE A STANDARD RECEPTACLE WITH GFCI CIRCUIT BREAKER IN THE ASSOCIATED PANEL. BLANK FACE GFCI TEST/RESET BUTTONS ARE NOT PERMITTED UNLESS EXPLICITLY LOCATED ON THESE DRAWINGS.
- FURNISH AND INSTALL ALL EXTERIOR RECEPTACLES WITH WEATHERPROOF COVERS. EXTERIOR RECEPTACLES SHALL BE GFCI TYPE.
- FOR ALL EXTERIOR ELECTRICAL EQUIPMENT, FURNISH AND INSTALL WITH NEMA 3R ENCLOSURES MINIMUM. IN THE EVENT THAT THERE IS A DISCREPANCY BETWEEN THIS REQUIREMENT AND INFORMATION LOCATED ELSEWHERE IN THE ELECTRICAL DOCUMENTS, THE CONTRACTOR SHALL BID ACCORDING TO THE MOST STRINGENT REQUIREMENT.
- IN KITCHENS, BREAK ROOMS AND SIMILAR SPACES, THE CONTRACTOR SHALL REFER TO ARCHITECTURAL DOCUMENTS AND LOCATE ELECTRICAL DEVICES AT LOCATIONS AND ELEVATIONS TO BEST SERVE EACH DEDICATED APPLIANCE.
- VERIFY DOOR SWINGS PRIOR TO INSTALLING LIGHT SWITCHES.
- GANG ALL SWITCHES SHOWN TO BE INSTALLED AT THE SAME LOCATION UNDER A SINGLE COVER PLATE UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS TO EXIT SIGNS IN CORRIDORS WHERE THERE IS A CHANGE OF CEILING ELEVATION WITH 10-FEET OF THE EXIT SIGN. THE CONTRACTOR SHALL LOCATE THESE EXIT SIGNS SUCH THAT THEY ARE ON THE LOWER CEILING AND VISIBLE THROUGHOUT THE CORRIDOR SEGMENT.
- COORDINATE WITH OTHER DISCIPLINES IN THE FIELD TO ENSURE THAT THE INTEGRITY OF FIRE RATED CONSTRUCTION IS PRESERVED WHERE PENETRATING RATED WALLS AND FLOORS.
- THE CONTRACTOR SHALL ROUTE ALL EXPOSED CONDUIT NEATLY AND TIGHT TO SUPPORTING SURFACES. IN THE EVENT THAT THE OWNER IS NOT SATISFIED WITH WORKMANSHIP, THE CONTRACTOR SHALL MAKE CORRECTIONS AT NO ADDITIONAL COST TO THE OWNER. MC CABLE IS NOT PERMITTED IN EXPOSED AREAS.
- FOR ALL CONDUIT RUNS SHOWN ON ELECTRICAL DRAWINGS, THE ROUTING IS APPROXIMATE. THE CONTRACTOR SHALL MAKE ROUTING ADJUSTMENTS AS REQUIRED BASED ON FIELD CONDITIONS AND COORDINATION WITH OTHER DISCIPLINES.
- IN THE EVENT THAT THERE IS A DISCREPANCY IN THE MINIMUM CIRCUIT AMPACITY (MCA) AND/OR THE MAXIMUM OVERCURRENT PROTECTION (MOC) BETWEEN THE DIVISION 26 AND DIVISION 22/23 SCHEDULES, THE CONTRACTOR SHALL BID ACCORDING TO THE MORE STRINGENT REQUIREMENTS.
- MECHANICAL, PLUMBING, AND OTHER EQUIPMENT FURNISHED AND INSTALLED BY OTHER DIVISIONS IS SHOWN ON ELECTRICAL DRAWINGS FOR CIRCUITING PURPOSES ONLY. THE CONTRACTOR SHALL REFER TO OTHER DISCIPLINE CONSTRUCTION DOCUMENTS FOR EXACT LOCATIONS OF EQUIPMENT PRIOR TO ROUGH-IN OF THE ASSOCIATED ELECTRICAL CIRCUITS, DISCONNECTING MEANS, OUTLETS, ETC. AND ADJUST ROUTING AND LOCATIONS ACCORDINGLY.
- LIGHT FIXTURES, ELECTRICAL OUTLETS AND DISCONNECTING MEANS LOCATED IN MECHANICAL ROOMS AND ATTIC SPACES ARE SHOWN FOR QUANTITY AND CIRCUITING PURPOSES ONLY. THE CONTRACTOR SHALL LOCATE LIGHT FIXTURES TO BEST ILLUMINATE WALKING AND WORKING SURFACES, AND LOCATE OUTLETS AND DISCONNECTING MEANS SUCH THAT THEY ARE EASILY ACCESSIBLE FOLLOWING THE INSTALLATION OF ALL DEVICES AND EQUIPMENT IN THESE SPACES.
- ALL MECHANICAL EQUIPMENT SHALL HAVE A RECEPTACLE INSTALLED WITHIN 25-FEET. A SINGLE RECEPTACLE CAN ACCOMPLISH THIS PURPOSE FOR MULTIPLE PIECES OF EQUIPMENT. A RECEPTACLE LOCATED BELOW A LAY-IN CEILING ON THE SAME LEVEL AS A PIECE OF MECHANICAL EQUIPMENT COMPLIES WITH THIS REQUIREMENT. IN THE EVENT THAT FIELD CONDITIONS DICTATE THAT A RECEPTACLE CAN NOT MEET THIS REQUIREMENT FOR ALL OF THE INTENDED PIECES OF EQUIPMENT IN AN AREA ON THE DRAWINGS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL RECEPTACLES AS REQUIRED.
- PROVIDE SYSTEM SMOKE DETECTORS IN THE SUPPLY AND RETURN DUCTS OF AIR HANDLING UNITS GREATER THAN 2000 CFM. REFER TO DIVISION 23 SCHEDULES FOR UNITS MEETING THIS REQUIREMENT.

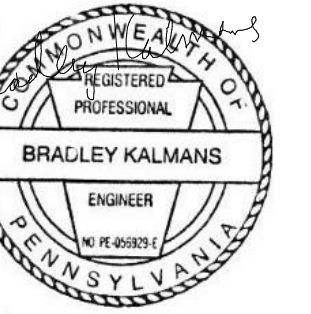
ELECTRICAL SYMBOL SCHEDULE	
SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
<b>LIGHTING (LETTER DENOTES TYPE - SEE LIGHT FIXTURE SCHEDULE)</b>	
☐	LIGHT FIXTURE
☐	LIGHT FIXTURE WITH INTEGRAL BATTERY BACKUP
○	DOWNLIGHT FIXTURE
☒	EXIT LIGHT WITH DIRECTIONAL ARROWS AS REQUIRED
☒	EMERGENCY LIGHTING UNIT EQUIPMENT
<b>SWITCHES</b>	
§	SINGLE POLE SWITCH
§S	3-WAY SWITCH
§D	WALL DIMMER SWITCH, SIZE AND TYPE AS REQUIRED
<b>RECEPTACLES AND OUTLETS</b>	
Ⓛ	DUPLEX RECEPTACLE
ⓁUSB	DUPLEX RECEPTACLE WITH USB
Ⓛ	DUPLEX RECEPTACLE - CEILING MOUNTED
Ⓛ	125/250 VOLT, 1 PHASE, 3-WIRE, 20 AMPS UNLESS NOTED OTHERWISE
Ⓛ	DOUBLE DUPLEX IN 2-GANG BOX WITH SINGLE COVER PLATE
Ⓛ	JUNCTION BOX
Ⓛ	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
<b>COMMUNICATION AND FIRE ALARM EQUIPMENT</b>	
◁	SINGLE GANG OUTLET BOX AND TWO PORT COVER PLATE WITH BLANKS W/ EMPTY 1"*. TO ACCESSIBLE AREA ABOVE CEILING
◁	CEILING MOUNTED SINGLE GANG OUTLET BOX AND TWO PORT COVER PLATE WITH BLANKS W/ EMPTY 1"*. TO ACCESSIBLE AREA ABOVE CEILING
ⓁSD	DUCT MOUNTED SMOKE DETECTOR
<b>MOTOR CONTROLLERS AND EQUIPMENT</b>	
Ⓛ	DISCONNECT SWITCH AS REQUIRED
§M	MANUAL MOTOR SWITCH AS REQUIRED
<b>ELECTRICAL EQUIPMENT</b>	
▬	ELECTRICAL DISTRIBUTION OR PANELBOARD
▬	PLYWOOD TELEPHONE BACKBOARD
<b>CIRCUITING</b>	
—	CONDUIT
- - - -	CONDUIT BELOW FLOOR, SLAB, OR GRADE
<b>SUBSCRIPTS AND ABBREVIATIONS</b>	
TV	LOCATE AS REQUIRED FOR MONITOR*
•	NEXT TO ANY SYMBOL INDICATES FINAL ROUGH-IN FIELD COORDINATION BY CONTRACTOR WITH ARCHITECTURAL MILLWORK DRAWINGS AND OTHER TRADES.

- GENERAL NOTE:**
- ALL EXTERIOR BUILDING ELECTRICAL EQUIPMENT TO BE WEATHERPROOF NEMA-3R MINIMUM.
  - \* INDICATED THAT MOUNTING ELEVATION AND/OR LOCATION SHALL BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.



**1 ELECTRICAL RISER DIAGRAM**  
Scale: NTS

**Architect**  
+one design  
P.O. BOX 40232  
Baton Rouge, LA  
70835  
(225) 383-0664  
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11/16/21

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



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

ISSUED/REV/SD \_\_\_\_\_  
DATE \_\_\_\_\_

**E3.00**

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ISSUED/REV/ISD	DATE

Branch Panel: A																	
Location: Office/Storage 100				Volts: 120/208 Wye				A.I.C. Rating: 10,000									
Supply From:				Phases: 3				Enclosure: NEMA 1									
Mounting: SURFACE				Wires: 4				Mains: 200A MCB									
NOTE	CKT	CIRCUIT DESCRIPTION	WIRE	GND	CONDUIT	BKR	A	B	C	BKR	CONDUIT	GND	WIRE	CIRCUIT DESCRIPTION	CKT	NOTE	
1		EQ-50	3#12	#12	1/2"	20	2	1.4 / 0.2			1	20	1/2"	#12	2#12	EQ-60	2
3								1.4 / 1.7			1	20	1/2"	#12	2#12	EQ-55	4
5		EQ-53	2#12	#12	1/2"	20	1		0.3 / 0.2		1	20	1/2"	#12	2#12	EQ-80	6
7		EQ-56	2#12	#12	1/2"	20	1										8
9		EQ-1	2#12	#12	1/2"	20	1		0.2 / 0.8		2	20	1/2"	#12	3#12	EQ-2	10
--	11	SHUNT TRIP	--	--	--	--	--		0.0 / 0.2		1	20	1/2"	#12	2#12	EQ-5	12
13		EQ-6	2#12	#12	1/2"	20	1	0.2 / 0.2			1	20	1/2"	#12	2#12	EQ-8a	14
--	15	SHUNT TRIP	--	--	--	--	--		0.0 / 0.2		1	20	1/2"	#12	2#12	EQ-11	16
17		EQ-7	2#12	#12	1/2"	20	1		0.5 / 1.7		1	20	1/2"	#12	2#12	EQ-73	18
19		EQ-8b	2#12	#12	1/2"	20	1	0.2 / 0.5			1	20	1/2"	#12	2#12	EQ-B05b	20
21		EQ-82	2#12	#12	1/2"	20	1		0.2 / 0.9		1	20	1/2"	#12	2#12	EQ-40	22
23		HEAT LAMP	2#12	#12	1/2"	20	1		0.3 / 0.3		1	20	1/2"	#12	2#12	HEAT LAMP	24
25		EQ-B05a	2#12	#12	1/2"	20	1	0.5 / 1.1			1	20	1/2"	#12	2#12	LTG	26
27		EQ-76	2#12	#12	1/2"	20	1		1.7 / 5.8								28
29									3.7 / 5.8		3	70	1"	#8	4#4	RTU-4	30
31		RTU-3	4#8	#10	3/4"	50	3	3.7 / 5.8									32
33								3.7 / 0.6									34
35		ROOF REC	2#12	#12	1/2"	20	1		0.4 / 0.6		3	20	3/4"	#12	2#12	EF-1	36
--	37	SPARE	--	--	--	20	1	0.0 / 0.6									38
--	39	SPARE	--	--	--	20	1	0.0 / 0.0			1	20	--	--	--	SPARE	40
--	41	SPARE	--	--	--	20	1	0.0 / 0.0			1	20	--	--	--	SPARE	42
<b>Total Load:</b>							15.4 kVA	17.1 kVA	13.8 kVA								
<b>Total Amps:</b>							130 A	145 A	115 A								
Load Classification		Connected Load	Demand Factor	Estimated Demand	Panel Totals												
HVAC		28.5 kVA	100.00%	28.5 kVA													
Kitchen Equipment		14.0 kVA	65.00%	9.1 kVA	<b>Total Conn. Load:</b> 46.3 kVA												
Lighting		1.6 kVA	125.00%	2.0 kVA	<b>Total Est. Demand:</b> 41.8 kVA												
Miscellaneous		1.9 kVA	100.00%	1.9 kVA	<b>Total Conn. Current:</b> 129 A												
Other		0.0 kVA	100.00%	0.0 kVA	<b>Total Est. Demand Current:</b> 116 A												
Receptacles		0.4 kVA	100.00%	0.4 kVA													
<b>Notes:</b>							<b>Abbreviations:</b>										
							G - PROVIDE GFCI CIRCUIT BREAKER 1-L - REFER TO ELECTRICAL RISER DIAGRAMS										

Branch Panel: B																	
Location: Office/Storage 100				Volts: 120/208 Wye				A.I.C. Rating: 10,000									
Supply From:				Phases: 3				Enclosure: NEMA 1									
Mounting: SURFACE				Wires: 4				Mains: 200A									
NOTE	CKT	CIRCUIT DESCRIPTION	WIRE	GND	CONDUIT	BKR	A	B	C	BKR	CONDUIT	GND	WIRE	CIRCUIT DESCRIPTION	CKT	NOTE	
1		EQ-B25	2#12	#12	1/2"	20	1	0.5 / 0.7			1	20	1/2"	#12	2#12	EQ-B12	2
3								0.2 / 0.3			2	20	1/2"	#12	2#12	EQ-WC2	4
5		EQ-WC1	3#12	#12	1/2"	20	3		0.2 / 0.3		2	20	1/2"	#12	2#12	EQ-WC4	6
7								0.2 / 0.5									8
9		EQ-WC3	2#12	#12	1/2"	20	1		0.5 / 1.6		1	20	1/2"	#10	3#12	EQ-WC4	10
11		WASHING MACHINE	2#12	#12	1/2"	20	1		0.5 / 1.6		2	30	1/2"	#10	3#12	DRYER	12
13		EQ-31	2#12	#12	1/2"	20	1	0.7 / 0.5			1	20	1/2"	#12	2#12	OFFICE REC	14
15		DINING REC	2#12	#12	1/2"	20	1		1.1 / 0.4		1	20	1/2"	#12	2#12	RESTROOM REC	16
17		DINING REC	2#12	#12	1/2"	20	1		1.1 / 0.3		1	20	1/2"	#12	2#12	EQ-57	18
19		BAR REC	2#12	#12	1/2"	20	1	0.5 / 0.5			1	20	1/2"	#12	2#12	BAR REC	20
21		SHOW WINDOW	2#12	#12	1/2"	20	1		1.0 / 0.5		1	20	1/2"	#12	2#12	USB REC	22
23		USB REC	2#12	#12	1/2"	20	1		0.5 / 0.5		1	20	1/2"	#12	2#12	BUILDING SIGNAGE	24
25		"D" SIGN	2#12	#12	1/2"	20	1	0.5 / 0.7			1	20	1/2"	#12	2#12	TV	26
27		GENERAL BAR REC	2#12	#12	1/2"	20	1		0.7 / 0.7		1	20	1/2"	#12	2#12	GENERAL KITCHEN REC	28
29		GENERAL COUNTER REC	2#12	#12	1/2"	20	1		0.9 / 0.5		1	20	1/2"	#12	2#12	WAP	30
31		CEILING MOUNTED TV	2#12	#12	1/2"	20	1	1.0 / 0.5			1	20	1/2"	#12	2#12	TRACK LTG	32
33		TRACK LTG	2#12	#12	1/2"	20	1		0.5 / 0.4		1	20	1/2"	#12	2#12	TRACK LTG	34
35		TRACK LTG	2#12	#12	1/2"	20	1		0.5 / 0.4		1	20	1/2"	#12	2#12	TRACK LTG	36
37		TRACK LTG	2#12	#12	1/2"	20	1	0.4 / 0.0			--	--	--	--	--	SPACE	38
--	39	SPACE	--	--	--	--	--	0.0 / 0.0			--	--	--	--	--	SPACE	40
--	41	SPACE	--	--	--	--	--	0.0 / 0.0			--	--	--	--	--	SPACE	42
<b>Total Load:</b>							7.1 kVA	7.7 kVA	7.1 kVA								
<b>Total Amps:</b>							59 A	64 A	59 A								
Load Classification		Connected Load	Demand Factor	Estimated Demand	Panel Totals												
Kitchen Equipment		4.1 kVA	65.00%	2.7 kVA	<b>Total Conn. Load:</b> 21.9 kVA												
Lighting		2.5 kVA	125.00%	3.1 kVA	<b>Total Est. Demand:</b> 21.1 kVA												
Miscellaneous		4.6 kVA	100.00%	4.6 kVA	<b>Total Conn. Current:</b> 61 A												
Power		2.5 kVA	100.00%	2.5 kVA	<b>Total Est. Demand Current:</b> 58 A												
Receptacles		8.3 kVA	100.00%	8.3 kVA													
<b>Notes:</b>							<b>Abbreviations:</b>										
							G - PROVIDE GFCI CIRCUIT BREAKER 1-L - REFER TO ELECTRICAL RISER DIAGRAMS										

ELECTRICAL SERVICE CALCULATION
REFER TO LOAD CALCULATIONS AT THE BOTTOM OF PANEL SCHEDULE "A" AND "B".
ADDITIONALLY, PER NEC THE LIGHTING LOAD SHALL BE THE GREATER OF THE TWO FOLLOWING CONDITIONS:
1. BUILDING AREA (SQ. FT.) x 3VA/SQ. FT. x 125% 3,941 SQ. FT. x 3VA/SQ. FT. x 125% = 14.8 kVA
2. CONNECTED LIGHTING LOAD x 125% 1.8kVA + 2.5kVA = 4.1kVA x 125% = 5.1kVA
OVERALL ELECTRICAL SERVICE CALCULATION: 40.2kVA + 19.4kVA + 14.8kVA = 72.8kVA 72.8kVA / 208V / √3 = 201.5A PROVIDE 400A TOTAL ELECTRICAL SERVICE

**E4.00**

**DEMOLITION SPECIFICATIONS:**

WORK INCLUDED

- A. INSPECTION AND SERVICE OF EXISTING EQUIPMENT AND MATERIALS TO REMAIN OR BE REUSED
- B. HANDLING OF EQUIPMENT AND MATERIALS TO BE ABANDONED
- C. HANDLING OF EQUIPMENT AND MATERIALS TO BE REMOVED.

QUALITY ASSURANCE

- A. COORDINATION WITH THE CONTRACTOR PRIOR TO THE DISCONNECTION OR SHUTDOWN OF EXISTING EQUIPMENT, OR TO THE MODIFICATION OF EXISTING OPERATIONAL SYSTEMS.

CONTRACT DRAWINGS

- A. THE ENGINEER HAS ATTEMPTED TO SHOW, ON THE ELECTRICAL DRAWINGS, EXISTING ELECTRICAL OUTLETS (POWER, DATA, COMMUNICATIONS, FIRE ALARM, ETC.), HOWEVER, THERE EXISTS THE POSSIBILITY THAT THERE ARE EXISTING CONDITIONS AND DEVICES WHICH ARE AFFECTED BY THE WORK INDICATED ON THE DRAWINGS AND CALLED FOR IN THE SPECIFICATIONS (PROJECT MANUAL) WHICH DO NOT APPEAR ON THE DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE ALL OF THE EXISTING CONDITIONS AND TO TAKE THESE EXISTING CONDITIONS INTO CONSIDERATION WHEN MAKING AND PRESENTING A PROPOSAL TO AS TO HAVE A COMPLETE PROPOSAL.

INSPECTION

- A. EXISTING MATERIALS AND EQUIPMENT INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS TO BE REUSED SHALL BE INSPECTED FOR DAMAGED OR MISSING PARTS. NOTIFY THE ARCHITECT/ENGINEER, IN WRITING, ACCORDINGLY.
- B. IF USING MATERIALS SPECIFIED OR SHOWN ON THE DRAWING VOIDS OR DIMINISHES THE WARRANTY OR OPERATION OF REMAINING EQUIPMENT OR SYSTEMS THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER, IN WRITING USING MATERIALS SPECIFIED OR SHOWN ON THE DRAWING VOIDS OR DIMINISHES THE WARRANTY OR OPERATION OF REMAINING EQUIPMENT OR SYSTEMS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER, IN WRITING.
- C. VERIFY FIELD MEASUREMENTS AND CIRCUITING ARRANGEMENTS.
- D. DEMOLITION DRAWINGS ARE BASED ON CASUAL FIELD OBSERVATION AND EXISTING RECORD DOCUMENTS. REPORT DISCREPANCIES TO ARCHITECT BEFORE DISTURBING EXISTING INSTALLATION.

APPLICATION

- A. EXISTING MATERIALS AND EQUIPMENT INDICATED ON THE DRAWINGS OR IN THE SPECIFICATION TO BE REUSED SHALL BE CLEANED AND RECONDITIONED, INCLUDING TIGHTENING OF FEEDER AND BUS BAR LUGS PRIOR TO INSTALLATION AND REUSE IN THE MODIFIED SYSTEM.
- B. MATERIAL AND EQUIPMENT REMOVED THAT IS NOT TO BE SALVAGED FOR OWNER'S USE OR FOR REUSE ON THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
- C. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL WALK AREAS TO BE RENOVATED WITH OWNER TO IDENTIFY AND DOCUMENT ITEMS TO BE SALVAGED FOR OWNER'S USE.
- D. MATERIAL OR EQUIPMENT SALVAGED FOR OWNER'S USE SHALL BE CAREFULLY HANDLED AND STORED WHERE DIRECTED BY THE OWNER.

DEMOLITION AND EXTENSION OF EXISTING ELECTRICAL WORK

- A. THE CONTRACTOR SHALL MODIFY, REMOVE, AND/OR RELOCATE ALL MATERIALS AND ITEMS SO INDICATED ON THE DRAWINGS OR REQUIRED BY THE INSTALLATION OF NEW FACILITIES. ALL REMOVALS AND/OR DISMANTLING SHALL BE CONDUCTED IN A MANNER AS TO PRODUCE MAXIMUM SALVAGE. SALVAGE MATERIALS SHALL REMAIN THE PROPERTY OF THE OWNER, AND SHALL BE DELIVERED TO SUCH DESTINATION AS DIRECTED BY THE OWNER'S REPRESENTATIVE UNLESS THEY ARE NOT WANTED, THEN IT WILL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO REMOVE SUCH ITEMS AND PROPERLY DISPOSE OF THEM. MATERIALS AND/OR ITEMS SCHEDULED FOR RELOCATION AND WHICH ARE DAMAGED DURING DISMANTLING OR REASSEMBLY OPERATIONS SHALL BE REPAIRED AND RESTORED TO GOOD OPERATIVE CONDITION. THE CONTRACTOR MAY, AT HIS DISCRETION, AND UPON APPROVAL OF THE OWNER'S REPRESENTATIVE, SUBSTITUTE NEW MATERIALS AND/OR ITEMS OF LIKE DESIGN AND QUALITY IN LIEU OF MATERIALS AND/OR ITEMS TO BE RELOCATED.
- B. ALL ITEMS TO BE RELOCATED SHALL BE CAREFULLY REMOVED IN REVERSE TO ORIGINAL ASSEMBLY OR PLACEMENT AND PROTECTED UNTIL RELOCATED. THE CONTRACTOR SHALL CLEAN AND REPAIR AND PROVIDE ALL NEW MATERIALS, FITTINGS, AND APPURTENANCES REQUIRED TO COMPLETE THE RELOCATIONS AND TO RESTORE THEM TO GOOD OPERATIVE ORDER. ALL RELOCATIONS SHALL BE PERFORMED BY WORKMEN SKILLED IN THE WORK AND IN ACCORDANCE WITH STANDARD PRACTICE OF THE TRADES INVOLVED.
- C. WHEN ITEMS SCHEDULED FOR RELOCATION AND/OR REUSE ARE FOUND TO BE IN DAMAGED CONDITION BEFORE WORK HAS BEEN STARTED ON DISMANTLING, THE CONTRACTOR SHALL CALL THE ATTENTION OF THE OWNER'S REPRESENTATIVE TO SUCH ITEMS AND RECEIVE FURTHER INSTRUCTIONS BEFORE REMOVAL. ITEMS DAMAGED IN REPOSITIONING OPERATIONS ARE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AS APPROVED BY THE OWNER'S REPRESENTATIVE, AT NO ADDITIONAL COST TO THE OWNER.
- D. CONDUIT AND WIRING TO ITEMS TO BE REMOVED, SALVAGED, OR RELOCATED SHALL BE REMOVED TO POINTS INDICATED ON THE DRAWINGS, SPECIFIED, OR ACCEPTABLE TO THE OWNER'S REPRESENTATIVE. CONDUIT AND WIRING NOT SCHEDULED FOR REUSE SHALL BE REMOVED TO THE POINTS AT WHICH REUSE IS TO BE CONTINUED OR SERVICE IS TO REMAIN. SUCH SERVICES SHALL BE SEALED, CAPPED, OR OTHERWISE TIED-OFF OR DISCONNECTED IN A SAFE MANNER ACCEPTABLE TO THE CONSTRUCTION INSPECTOR. ALL DISCONNECTIONS OR CONNECTIONS INTO THE EXISTING FACILITIES SHALL BE DONE IN SUCH A MANNER AS TO RESULT IN MINIMUM INTERRUPTION OF SERVICES TO ADJACENT OCCUPIED AREAS. SERVICES TO EXISTING AREAS OR FACILITIES THAT MUST REMAIN IN OPERATION DURING THE CONSTRUCTION PERIOD SHALL NOT BE INTERRUPTED WITHOUT PRIOR SPECIFIC APPROVAL OF THE OWNER'S REPRESENTATIVE HEREIN/BEFORE SPECIFIED.
- E. DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES. REMOVE ABANDONED OUTLETS IF CONDUIT SERVICING THEM IS ABANDONED AND REMOVED. PROVIDE BLANK COVER FOR ABANDONED OUTLETS WHICH ARE NOT REMOVED.
- F. DISCONNECT AND REMOVE ABANDONED PANELBOARDS AND DISTRIBUTION EQUIPMENT.
- G. DISCONNECT AND REMOVE ELECTRICAL DEVICES AND EQUIPMENT SERVING UTILIZATION EQUIPMENT THAT HAS BEEN REMOVED.
- H. DISCONNECT AND REMOVE ABANDONED LUMINARIES. REMOVE BRACKETS, STEMS, HANGERS, AND OTHER ACCESSORIES.
- I. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK.
- J. MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS WHICH REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE.
- K. EXTEND EXISTING INSTALLATIONS USING MATERIALS AND METHODS COMPATIBLE WITH EXISTING ELECTRICAL INSTALLATIONS, OR AS SPECIFIED.

PROTECTION OF THE WORK

- A. PROVIDE ADEQUATE TEMPORARY SUPPORT AND AUXILIARY STRUCTURE AS NECESSARY TO ENSURE STRUCTURAL VALUE OR INTEGRITY OF AFFECTED PORTION OF WORK.
- B. PROVIDE DEVICES AND METHODS TO PROTECT OTHER PORTIONS OF WORK FROM DAMAGE
- C. EXECUTE FITTING AND ADJUSTMENT OF PRODUCTS TO PROVIDE A FINISHED INSTALLATION TO COMPLY WITH SPECIFIED PRODUCTS, FUNCTIONS, TOLERANCES AND FINISHES.

**ELECTRICAL SPECIFICATIONS:**

GENERAL

- A. VERIFY ALL JOB SITE AND ARCHITECTURAL PLAN DIMENSIONS. REPORT ALL DISCREPANCIES TO ARCHITECT.
- 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.
- C. UNLESS OTHERWISE NOTED, CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, FEES AND CHARGES REQUIRED.
- 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 BIDDERS' CONTRACT PROPOSAL DUE TO HIS FAILURE TO SO INFORM HIMSELF BY SUCH INVESTIGATION.
- E. ALL CUTTING AND PATCHING OF ROOF, FLOOR, CEILING AND WALLS SHALL BE COMPLETED BY OR COORDINATED WITH GENERAL CONTRACTOR.
- 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.
- 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).

CONDUIT

- 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:
  1. EMT (ELECTRIC METALLIC TUBING) - INTERIOR CONCEALED OR EXPOSED.
  2. GRC (GALVANIZED RIGID CONDUIT) - EXTERIOR EXPOSED, UNDERGROUND ELBOWS AND RISERS.
  3. PVC (POLYVINYL CHLORIDE) - UNDERGROUND OR UNDER SLAB.
  4. 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.
  5. FLEXIBLE STEEL CONDUIT - SHALL BE USED WHERE MOVEMENT OR VIBRATION IS A CONCERN FOR INTERIOR EQUIPMENT CONNECTIONS. LENGTH NOT TO EXCEED 3 FEET.
  6. 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.
- 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.
- C. CONDUIT FILL SHALL NOT EXCEED 40% PER NEC.
- 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.
- 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.

ELECTRICAL BOXES & FITTINGS

- 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.
- 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.
- 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.
- 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.

INSTALLATION OF BOXES AND FITTINGS

- A. INSTALL ELECTRICAL BOXES AND FITTINGS AS SHOWN AND AS REQUIRED IN COMPLIANCE WITH NEC AND MANUFACTURER'S RECOMMENDATIONS.
- B. JUNCTION/PULL BOXES: BOXES SHALL BE SECURED TO ROOF STRUCTURE. ALL JUNCTION/PULL BOX OPENINGS SHALL BE SIDE OR BOTTOM ACCESSIBLE.
- C. PROVIDE EACH OUTLET/SPLICE BOX WITH A GROUNDING PIGTAIL. FACTORY MANUFACTURED PIGTAIL SHALL HAVE BOLTED CONNECTION TO BOX.
- D. UNLESS NOTED OR DIRECTED OTHERWISE AT INSTALLATION, PLACE OUTLET BOXES AS INDICATED ON ARCHITECTURAL ELEVATIONS AND AS REQUIRED BY LOCAL CODES.
- E. OUTLETS ABOVE COUNTERS: MOUNT LONG AXIS HORIZONTALLY. REFER TO ARCHITECTURAL ELEVATIONS AND COORDINATE TO CLEAR BACKSPASH AND MILLWORK.
- F. BOXES FOR ANY CONDUIT SYSTEM SHALL NOT BE SECURED TO SUSPENDED CEILING SYSTEM, HVAC DUCTWORK OR PIPING SYSTEMS.
- G. PROVIDE JUNCTION AND PULL BOXES FOR FEEDERS AND BRANCH CIRCUITS WHERE SHOWN AND/OR WHERE REQUIRED BY NEC.
- H. ALIGN ADJACENT WALL MOUNTED OUTLETS, UNLESS NOTED OTHERWISE.
- 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.
- 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.

PANELBOARDS

- 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 BUSESSES. LOAD CENTER CONSTRUCTION IS NOT ACCEPTABLE. PROVIDE ENGRAVED TAG DENOTING PANEL NAME.
- 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.
- 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 KEYS 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.
- 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, & 5). DISTRIBUTION PANELS - PROVIDE ENGRAVED LABELS WITH TYPICAL BRANCH CIRCUIT INFORMATION PER EACH CIRCUIT.
- 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 UPWARD TO THE STRUCTURE.

WIRING DEVICES

- A. RECEPTACLES: COMMERCIAL SPECIFICATION GRADE RECEPTACLES, NEMA CONFIGURATION AS INDICATED. COORDINATE STYLE OF RECEPTACLE TO BE PROVIDED WITH ARCHITECT.
  1. 20A, 125V GROUNDED DUPLEX DECORA, NEMA 5-20R; LEVITON#16352 OR EQUAL.
  2. 20A, 125V GROUNDED DUPLEX, NEMA 5-20R; LEVITON#5362 OR EQUAL.
  3. SPECIAL RECEPTACLES AS NOTED ON DRAWINGS.
- 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.
  1. INTERIOR: 20A, 125V GFCI, NEMA 5-20R; LEVITON#GFWT2 OR EQUAL.
  2. EXTERIOR: 20A, 125V GFCI, WEATHER RESISTANT, NEMA 5-20R; LEVITON#GFWT2 OR EQUAL.
- C. WALL SWITCHES: COMMERCIAL SPECIFICATION GRADE 20 AMP TOGGLE SWITCHES WITH MOUNTING YOKE INSULATED FROM MECHANISM, PLASTER EARS AND SIDE OR REAR WIRE SCREW TERMINALS.
  1. SINGLE POLE, 120/277V; LEVITON#54521 OR EQUAL.
  2. DOUBLE POLE, 120/277V; LEVITON#54522 OR EQUAL.
  3. THREE WAY, 120/277V; LEVITON#54523 OR EQUAL.
  4. FOUR WAY, 120/277V; LEVITON#54524 OR EQUAL.
- 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.
- E. DEVICE COVER PLATES:
  1. INTERIOR - HIGH IMPACT NYLON.
  2. BLOCK OR MASONRY WALLS (INTERIOR) - SATIN FINISH TYPE 302 STAINLESS STEEL, JUMBO, UNLESS NOTED OTHERWISE
  3. SURFACE MOUNT (INTERIOR) - COVER SHALL BE 4" SQUARE RAISED TYPE TO MATCH DEVICE.
- F. FINISHES SELECTED BY ARCHITECT OR OWNER. DEVICE AND ASSOCIATED COVER FINISHES SHALL MATCH, UNLESS NOTED OTHERWISE.
- G. PROVIDE A COVERPLATE OR BLANK COVER FOR EVERY OUTLET (INCLUDING TELE/COMM).
- H. MOUNTING HEIGHTS OF ALL WIRING DEVICES SHALL COMPLY WITH CURRENT ACCESSIBILITY STANDARDS AND LOCAL CODES AS APPLICABLE. OTHERWISE MOUNT AS NOTED ON DRAWINGS.
- 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 RUGH-IN.
- 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.
- 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.
- L. DIMMERS: PROVIDE DIMMERS OF THE TYPE, SIZE AND VOLTAGE REQUIRED FOR PROPER OPERATION OF ASSOCIATED FIXTURE(S) BEING CONTROLLED.

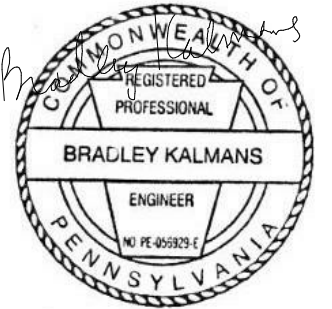
DISCONNECT SWITCHES

- 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.
- B. ENCLOSURES:
  1. INTERIOR GENERAL USE - NEMA 1, STEEL, UNLESS NOTED OTHERWISE.
  2. INTERIOR WET LOCATION (KITCHEN, FOOD PREPARATION, HOSE DOWN AND CORROSIVE AREA, ETC.) - NEMA 4X, STAINLESS STEEL.
  3. EXTERIOR GENERAL USE - NEMA 3R, STEEL, UNLESS NOTED OTHERWISE.
- 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.

LIGHTING FIXTURES AND LAMPS

- A. WORK INCLUDED: PROVIDE LIGHTING FIXTURE WORK AS SHOWN, SCHEDULED AND SPECIFIED.
- B. QUALITY ASSURANCE:
  1. 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.
  2. PROVIDE FLUORESCENT FIXTURES WITH BALLASTS THAT COMPLY WITH CERTIFIED BALLAST MANUFACTURERS ASSOCIATED (CBM) STANDARDS AND CARRY THE CBM MARK ON THE LABEL.
  3. PROVIDE HID FIXTURES WITH BALLASTS DESIGNED AND MANUFACTURED IN ACCORDANCE WITH ANSI STANDARDS.
  4. FIXTURES SHALL CONFORM TO APPLICABLE U.L. STANDARDS AND BE U.L. OR ETL LISTED.
  5. EMERGENCY FIXTURES SHALL CONFORM TO THE REQUIREMENTS OF NFPA 101, NFPA 70 (NEC) AND SHALL BE UL924 CODE COMPLIANT.
  6. ALL ASPECTS OF LIGHTING SHALL ADHERE TO ENERGY CODE COMPLIANCE.
- C. FIXTURE TYPES:
  1. EMERGENCY/EGRESS FIXTURE (EXIT SIGNS & 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.
  2. 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.
  3. 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.
  4. 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
- D. INSTALLATION:
  1. STANDARDS - COMPLY WITH NEMA STANDARDS, NECA STANDARDS OF INSTALLATION AND APPLICABLE REQUIREMENTS OF NEC.
  2. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLAN AND ELEVATIONS.
  3. INSTALL FIXTURES SUCH THAT ILLUMINATION IS NOT OBSTRUCTED. COORDINATE DISCREPANCIES WITH ENGINEER PRIOR TO INSTALLATION.
  4. INSTALL ALL FIXTURES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION.
  5. IN NO INSTANCE SHALL FIXTURES BE SUPPORTED BY SUSPENDED CEILING GRID OR ASSOCIATED SUPPORTS
  6. PENDANTS SHALL BE SUPPORTED TO BUILDING STRUCTURE. DO NOT SUPPORT VIA CONDUIT SYSTEM.
  7. 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.

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11/16/21

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 Greene County

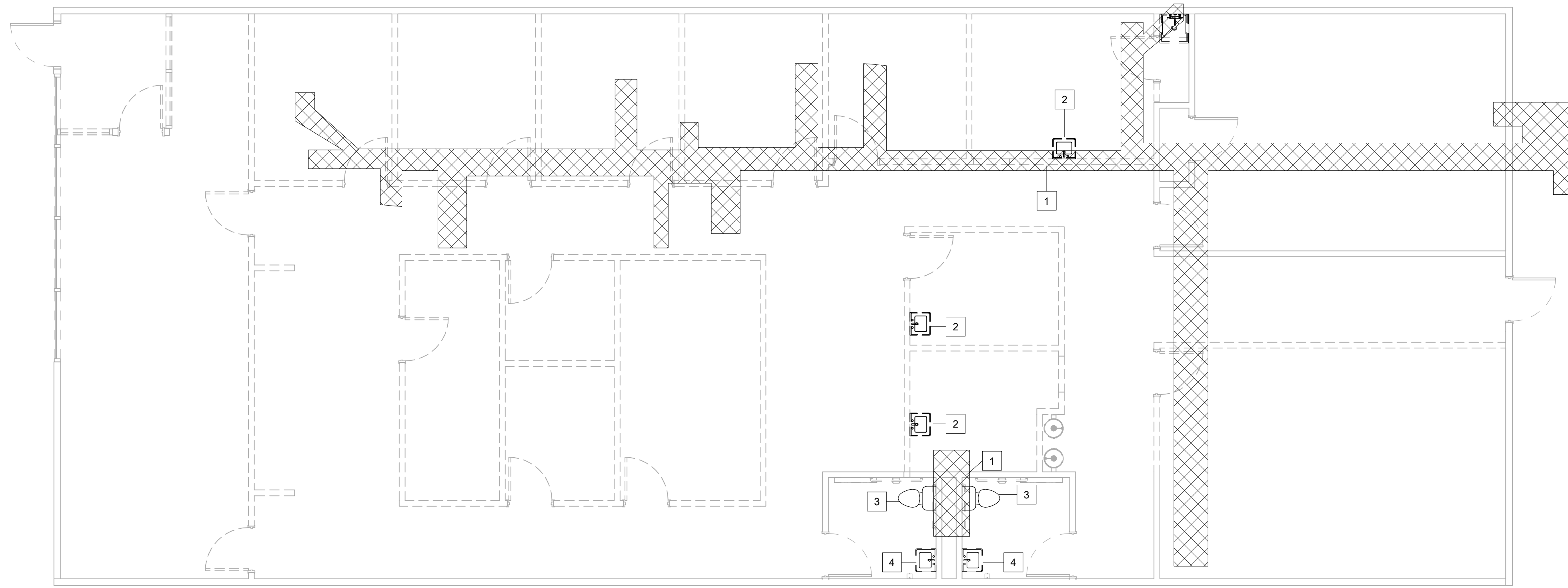


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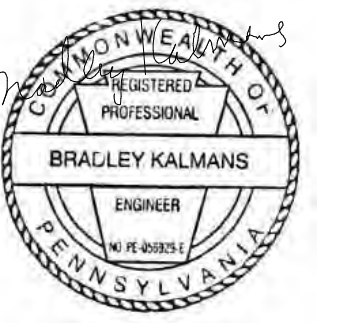

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PLUMBING KEYED NOTES	
Key Value	Keynote Text
1	PROPOSED AREA OF SAW CUTTING. AREA SHOWN, IS FOR INTENT PURPOSES ONLY. CONTRACTOR SHALL SAW CUT CONCRETE AS REQUIRED FOR PROPER INSTALLATION OF NEW PLUMBING SYSTEMS.
2	REMOVE LAVATORY AND ALL RELATED APPURTENANCES. PLUG SEWER, CAP HOT & COLD WATER LINES EXPOSED IN FINISHED SPACE FOR FUTURE CONNECTION.
3	EXISTING WATER CLOSET TO BE RE-USED. CONTRACTOR SHALL INSPECT WATER CLOSET & PIPING AND ADVISE IF THE EXISTING PIPING IS IN GOOD CONDITION AND MAY BE RE-USED. CONTRACTOR SHALL SUBMIT A WRITTEN REPORT DESCRIBING THE PIPING CONDITION ALONG WITH A CREDIT AMOUNT FOR EXISTING PIPING TO BE RE-USED.
4	EXISTING LAVATORY TO BE RE-USED. CONTRACTOR SHALL INSPECT LAVATORY & PIPING AND ADVISE IF THE EXISTING PIPING IS IN GOOD CONDITION AND MAY BE RE-USED. CONTRACTOR SHALL SUBMIT A WRITTEN REPORT DESCRIBING THE PIPING CONDITION ALONG WITH A CREDIT AMOUNT FOR EXISTING PIPING TO BE RE-USED.

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

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10/29/21

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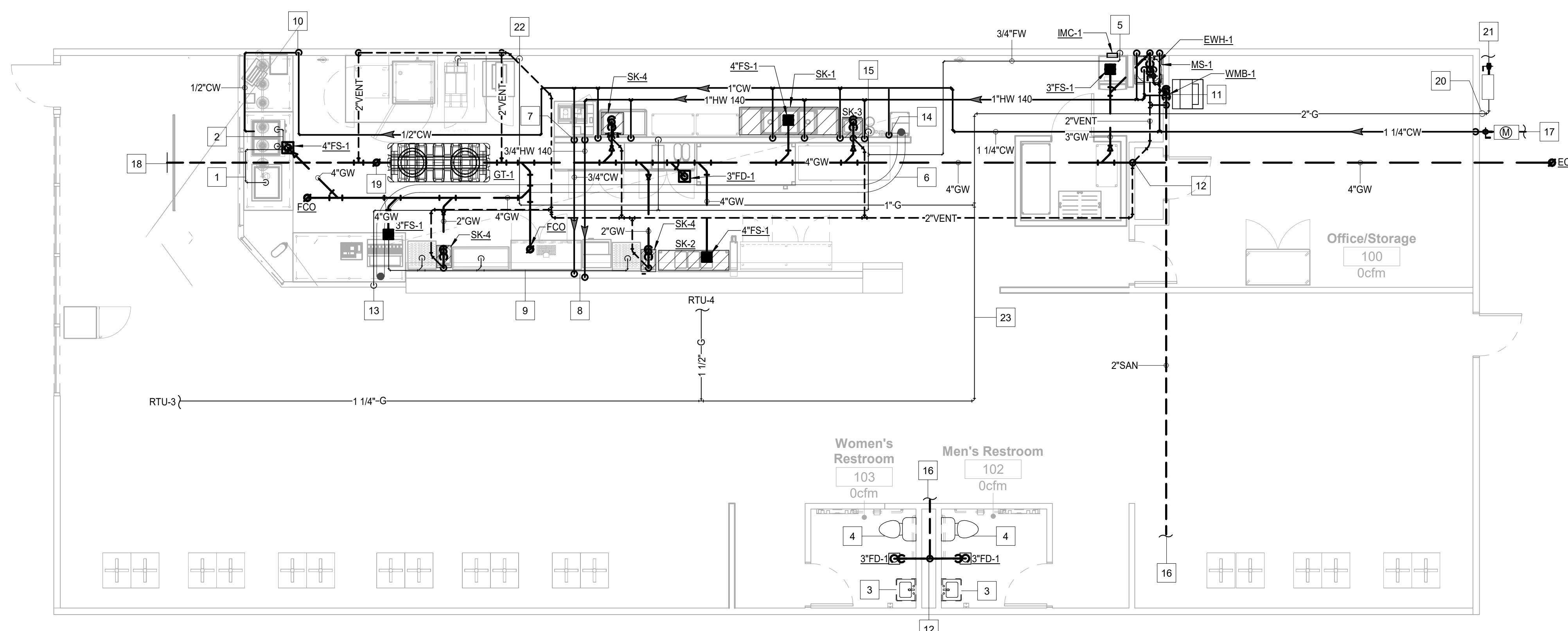
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**P1.00**

**PLUMBING GENERAL NOTES**

- CONTRACTOR SHALL COORDINATE ROUTING OF PIPING BELOW SLAB WITH COLUMN FOOTINGS, GRADE BEAMS, UNDERGROUND PLUMBING AND ELECTRICAL UTILITIES, AND OTHER SUB-SURFACE BUILDING ELEMENTS.
- CONTRACTOR SHALL COORDINATE ROUTING OF PIPING IN CEILING SPACES WITH MECHANICAL AND ELECTRICAL EQUIPMENT, DUCTWORK AND CONDUIT. SHOULD A CONFLICT OCCUR THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO INSTALLING AN ALTERNATE PIPING PLAN.
- COORDINATE ALL FIXTURE AND EQUIPMENT LOCATIONS AND CONNECTION REQUIREMENTS WITH LATEST ARCHITECTURAL DRAWINGS AND SPECIFICATIONS PRIOR TO ANY ROUGH-INS.
- DO NOT ROUGH-IN FROM THESE DRAWINGS. REFER TO LATEST ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATIONS.
- CONTRACTOR TO FIELD VERIFY AS NECESSARY THE EXACT ROUTING AND SIZES OF ALL PIPING.
- ALL WORK, METHODS AND INSTALLATIONS INVOLVED IN THE PLUMBING DESIGN SHALL BE IN ACCORDANCE WITH THE CITY BUILDING CODE, INSPECTION REGULATIONS AND ALL OTHER OFFICIALS HAVING JURISDICTION.
- EACH VENT SHALL TERMINATE VERTICALLY NOT LESS THAN 6" ABOVE ROOF, MAINTAIN MINIMUM 10'-0" DISTANCE BETWEEN VENT TERMINALS THROUGH ROOF AND ALL FRESH AIR INTAKES, AND A MINIMUM 5'-0" FROM ANY EXTERIOR WALL.
- PRIOR TO BEGINNING CONSTRUCTION, COORDINATE BUILDING BACKFLOW PREVENTION REQUIREMENTS WITH THE LOCAL AUTHORITY HAVING JURISDICTION AND PROVIDE AS DIRECTED.
- WITHIN THE EXISTING BUILDING, SAWCUT AND REMOVE EXISTING FLOOR SLAB AS REQUIRED TO PROVIDE NEW AND/OR RELOCATED PLUMBING FIXTURES, CLEANOUTS, AND UNDERSLAB WASTE AND VENT PIPING. PATCH AND REFINISH FLOOR TO MATCH EXISTING.
- IN AREAS WHERE THE FLOOR SLAB IS REMOVED, CONTRACTOR SHALL ALSO REMOVE UNDERSLAB WASTE AND VENT PIPING WHICH SERVES FIXTURES DESIGNATED FOR REMOVAL. PRIOR TO ANY REMOVAL, FIELD VERIFY THAT LINES TO BE REMOVED DO NOT SERVE ANY EXISTING FIXTURES TO REMAIN OR NEW FIXTURES TO BE INSTALLED.
- IN AREAS WHERE THE FLOOR SLAB IS NOT REMOVED, CONTRACTOR SHALL ABANDON IN PLACE ANY UNDERSLAB WASTE AND VENT PIPING NO LONGER NEEDED, UNLESS THE PIPING MUST BE REMOVED TO ACCOMMODATE NEW CONSTRUCTION. IF NEW WORK DOES NOT NECESSITATE THEIR REMOVAL, CUT AND PLUG SUCH LINES BELOW SLAB, AND PATCH FLOOR TO MATCH EXISTING.
- FIELD VERIFY EXACT LOCATION, SIZE, DEPTH, DIRECTION OF FLOW, CAPACITY, PIPE MATERIAL AND CONDITION OF EXISTING WASTE PIPING PRIOR TO BEGINNING CONSTRUCTION. ENSURE THAT PROPER CONNECTIONS TO AND EXTENSION OF SUCH UTILITIES CAN BE MADE.
- WASTE LINES TO BE RE-USED OR RECONNECTED TO SHALL BE THOROUGHLY RODDED OUT AND FLUSHED TO ENSURE THEY ARE FREE FROM BLOCKAGES.
- CONTRACTOR TO COORDINATE ALL REMODEL WORK WITH THE WORK OF OTHER TRADES TO AVOID CONFLICTS AND TO MINIMIZE INTERRUPTION OF SERVICES.
- THE PROPER INSTALLATION OF NEW FIXTURES AND THE PROPER CONTINUED OPERATION OF EXISTING FIXTURES TO REMAIN SHALL DETERMINE THE EXTENT AND NATURE OF PLUMBING REMODEL WORK.

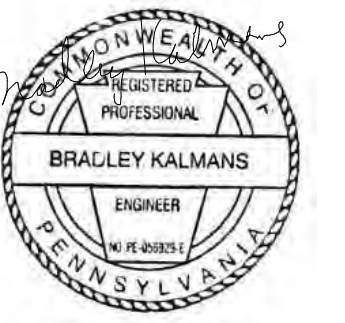


**PLUMBING KEYED NOTES**

Key Value	Keynote Text
1	1" DRAIN LINE ROUTED TIGHT TO UNDERSIDE OF CABINET FOR REFRIGERATED COLD PANS (ITEM #53 ON EQUIPMENT PLAN).
2	(2) 1/2" DRAIN LINES PROVIDED WITH 1" DRAIN MANIFOLD. ROUTE DRAIN LINE TIGHT TO UNDERSIDE OF CABINET FOR WARMER WITH AUTO WATER FILL (ITEM #55 ON EQUIPMENT PLAN).
3	EXISTING LAVATORY TO REMAIN AND BE RE-USED.
4	EXISTING WATER CLOSET TO REMAIN AND BE RE-USED.
5	3/4" FILTERED COLD WATER DOWN TO SERVE UNDERCOUNTER ICE MAKER, (ITEMS #73 ON EQUIPMENT PLAN).
6	ROUTE 6" PVC ELECTRICAL CONDUIT WITH LONG SWEEPING ELBOWS OVERHEAD IN CEILING SPACE FOR SODA LINES FROM BAG-N-BOX SODA SYSTEM TO ICE/BEVERAGE DISPENSER (ITEMS #82 & #86 ON EQUIPMENT PLAN). COORDINATE FINAL ROUTING WITH KITCHEN CONSULTANT/OWNER PRIOR TO CONSTRUCTION.
7	ROUTE 3/4" HOT AND COLD WATER DOWN INSIDE WALL AND UNDERGROUND TO SERVE PLUMBING FIXTURES LOCATED ON EXTERIOR WALL.
8	ROUTE 3/4" HOT AND COLD WATER UP BELOW COUNTER FROM UNDERGROUND TO SERVE PLUMBING FIXTURES LOCATED ON EXTERIOR WALL.
9	1" DRAIN LINE ROUTED TIGHT TO UNDERSIDE OF CABINET FOR BACK BAR GLASS STORAGE (ITEM #B04 ON EQUIPMENT PLAN).
10	1/2" COLD WATER DOWN INSIDE WALL AND ROUTED UNDERCOUNTER TO SERVE WARMER WITH AUTO WATER FILL (ITEM #55 ON EQUIPMENT PLAN).
11	3/4" HOT AND COLD WATER DOWN TO SERVE WASHING MACHINE BOX.
12	3" VENT UP FROM BELOW. CONTINUE 3" VENT UP THRU ROOF. OFFSET AS REQUIRED TO MAINTAIN MINIMUM OF 10'-0" FROM ANY OUTSIDE AIR INTAKE AND 5'-0" FROM ANY EXTERIOR WALL.
13	3/4" FILTERED COLD WATER DOWN TO SERVE BEVERAGE DISPENSER (ITEMS #86 ON EQUIPMENT PLAN).
14	1" COLD WATER DOWN TO WATER FILTRATION SYSTEM. FILTRATION SYSTEM SUPPLIED BY OTHERS.
15	1" FILTERED WATER UP FROM WATER FILTRATION SYSTEM. FILTRATION SYSTEM SUPPLIED BY OTHERS.
16	CONNECT NEW SANITARY SEWER PIPING TO NEAREST EXISTING SANITARY AT THIS LOCATION. CONTRACTOR TO VERIFY EXISTING PIPE SIZE PRIOR TO CONNECTION.
17	1 1/2" DOMESTIC WATER CONNECTION TO MAIN. CONTRACTOR TO FIELD VERIFY EXISTING MAIN LOCATION PRIOR TO CONSTRUCTION.
18	4" SANITARY SEWER PIPING. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
19	EPA SAMPLING WELL.
20	GAS PIPING UP TO ROOF.
21	PROPOSED LOCATION OF NATURAL GAS METER AND REGULATOR ASSEMBLY. METER AND REGULATOR SHALL BE SIZED FOR 510 CFH @80Z AND A TOTAL RUN LENGTH OF 200'-0". LOCATION OF ALL EQUIPMENT TO BE COORDINATED ON SITE.
22	GAS PIPING DOWN THRU ROOF TO SERVE EQUIPMENT.
23	GAS PIPING. REFER TO 10/P4.00 FOR CONTINUATION.

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

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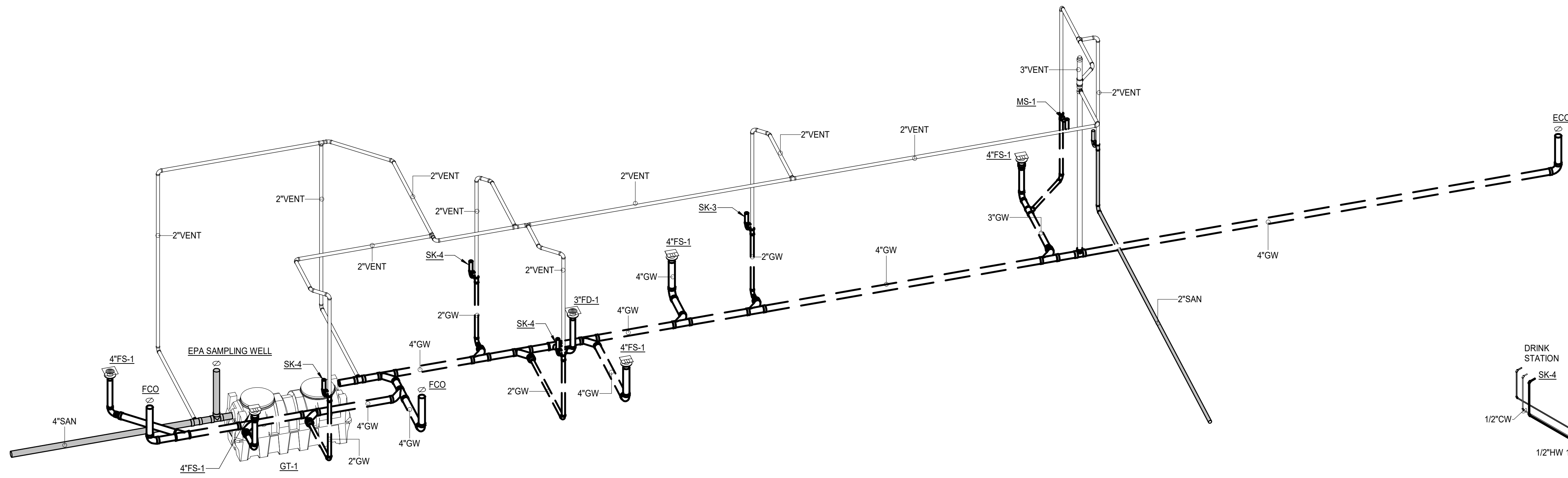
**DICKEY'S**  
BARBECUE PIT

**Owner**  
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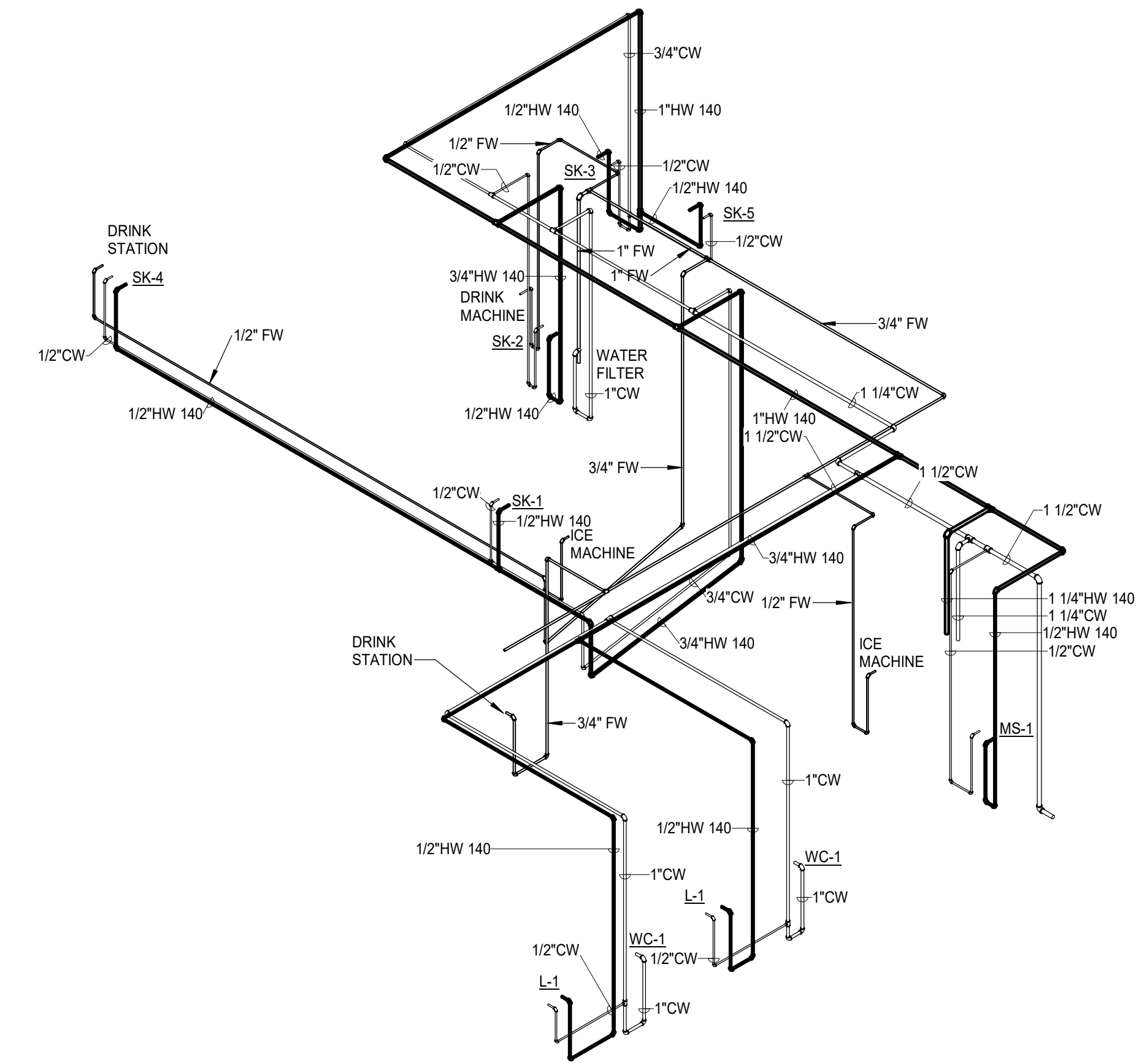
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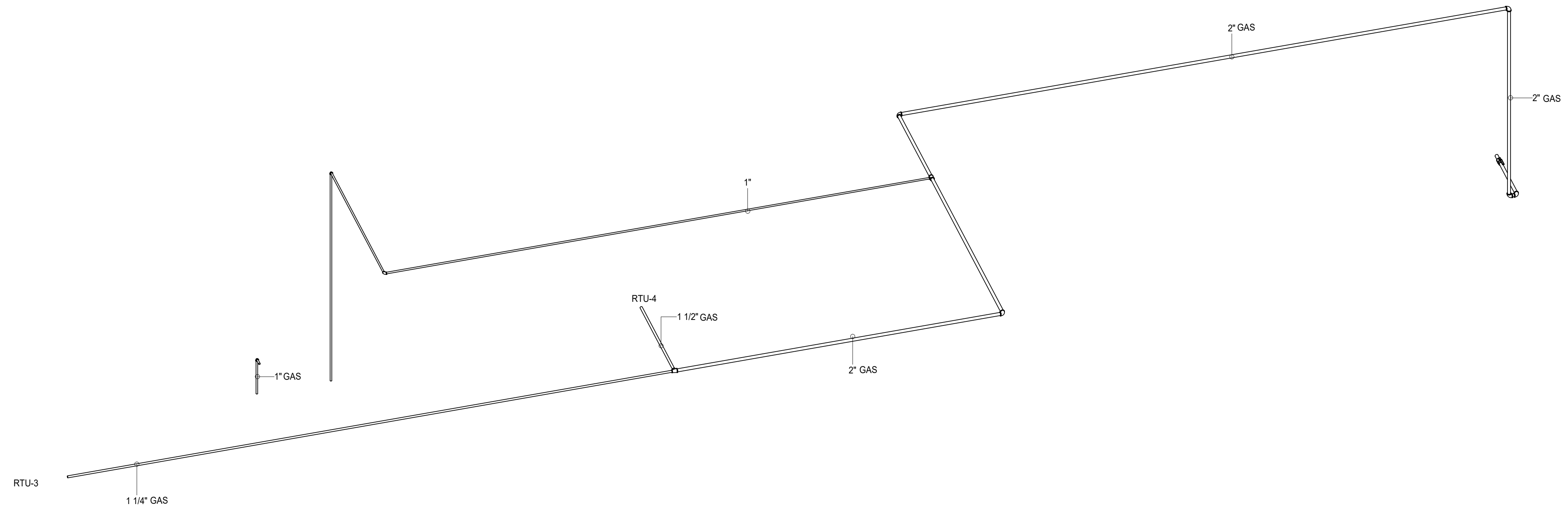




**3 GREASE WASTE RISER**  
Scale:

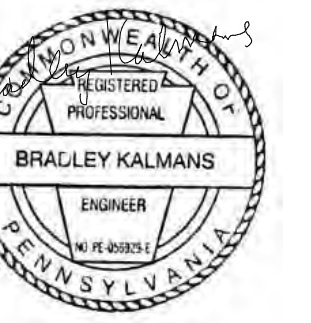


**2 CW/HW RISER**  
Scale:



**1 GAS RISER**  
Scale:

**Architect**  
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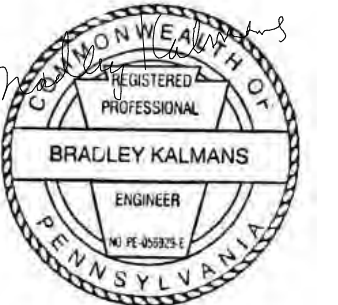
10/29/21

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



**Owner**  
Cindy Yorio  
(724) 998-3582  
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ISSUED/REV/ISD	DATE



10/29/21

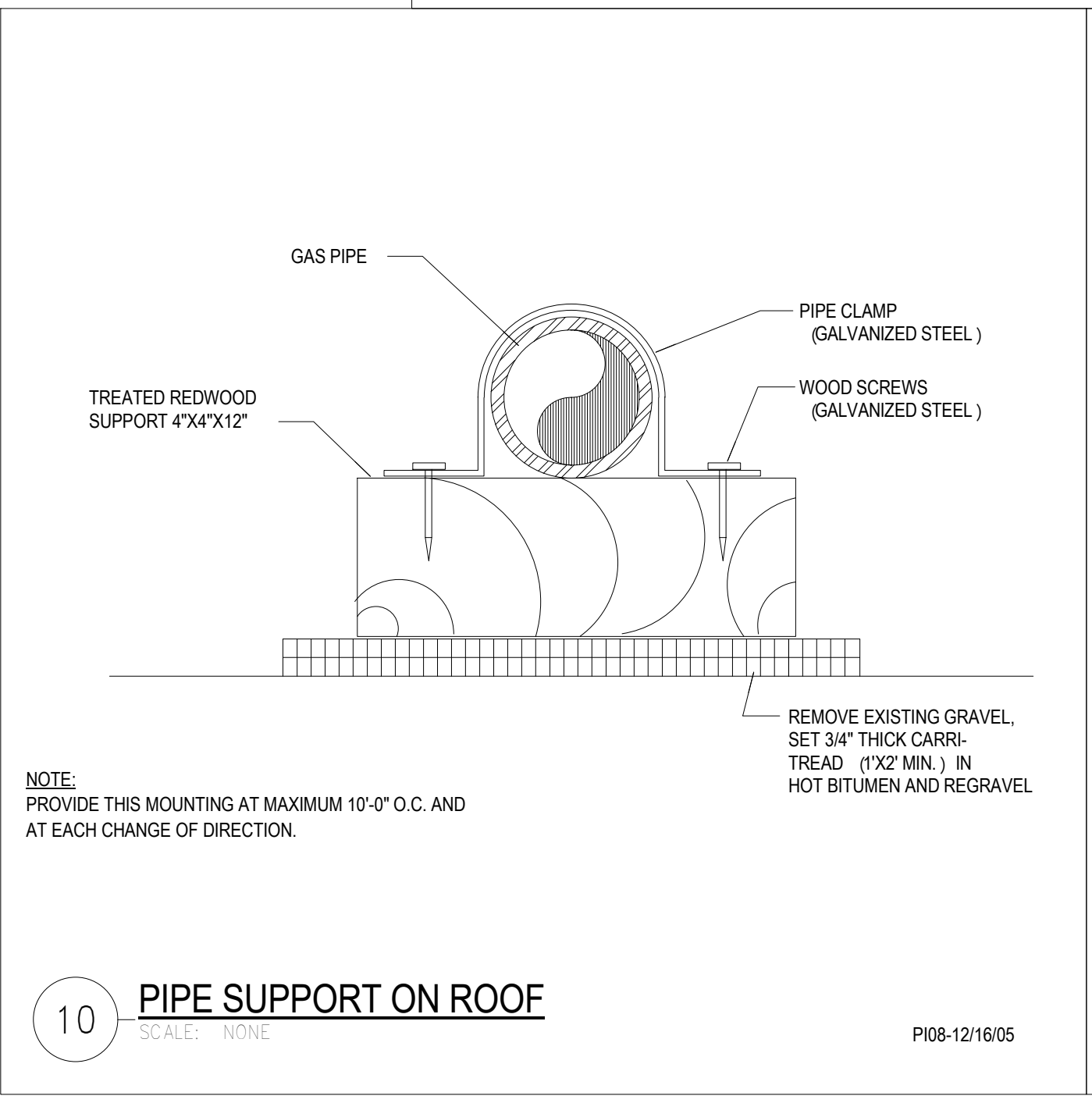
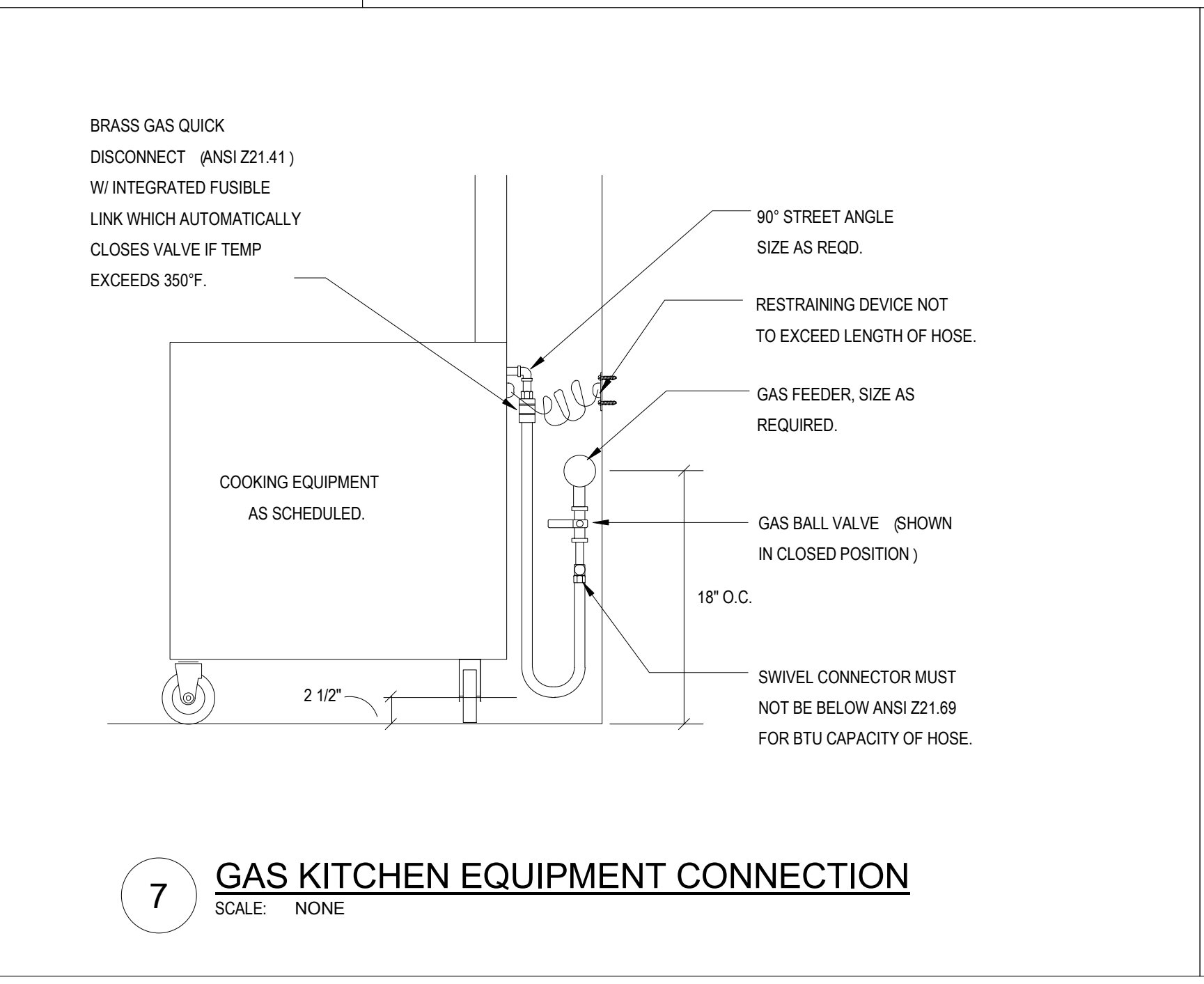
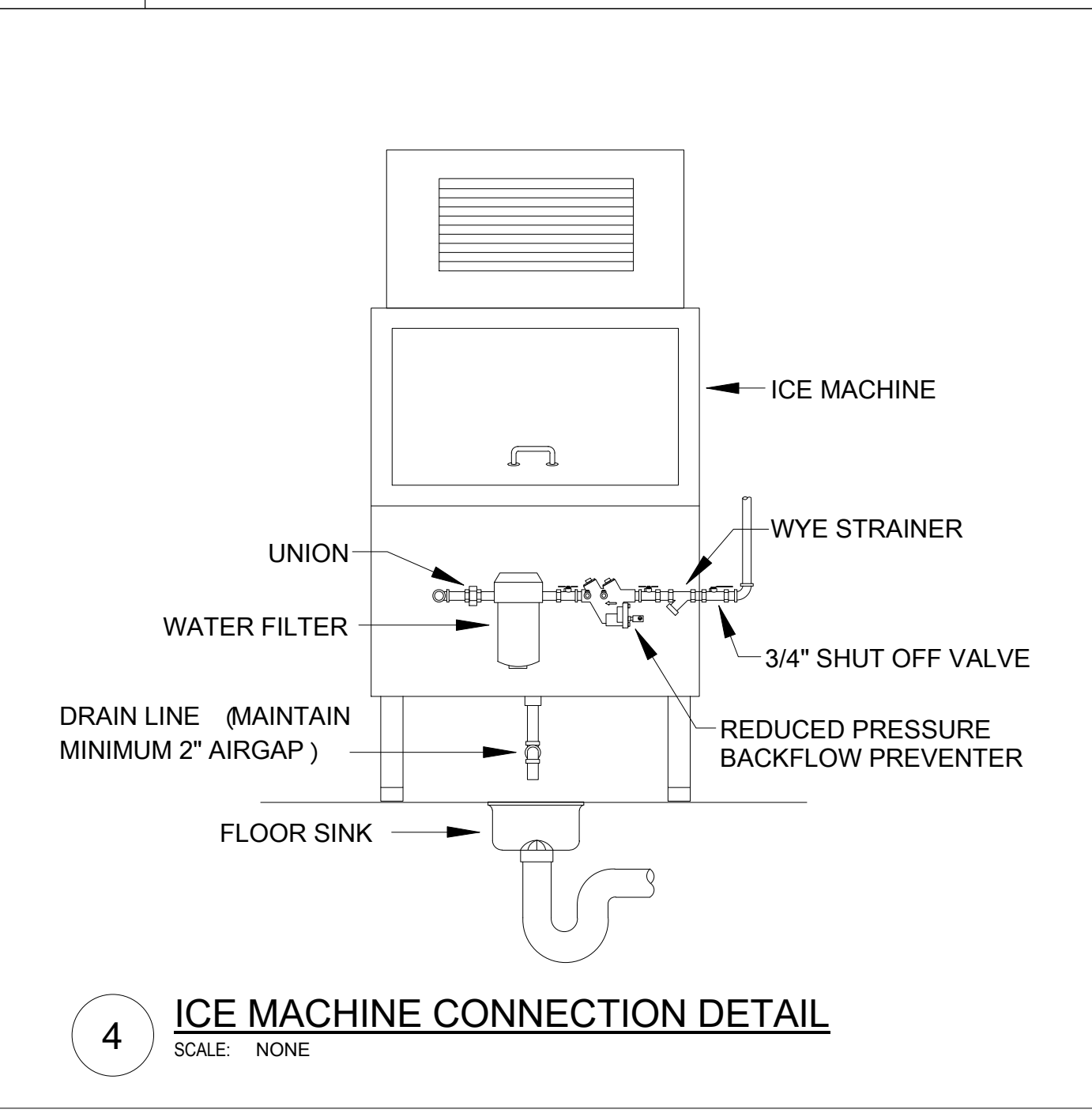
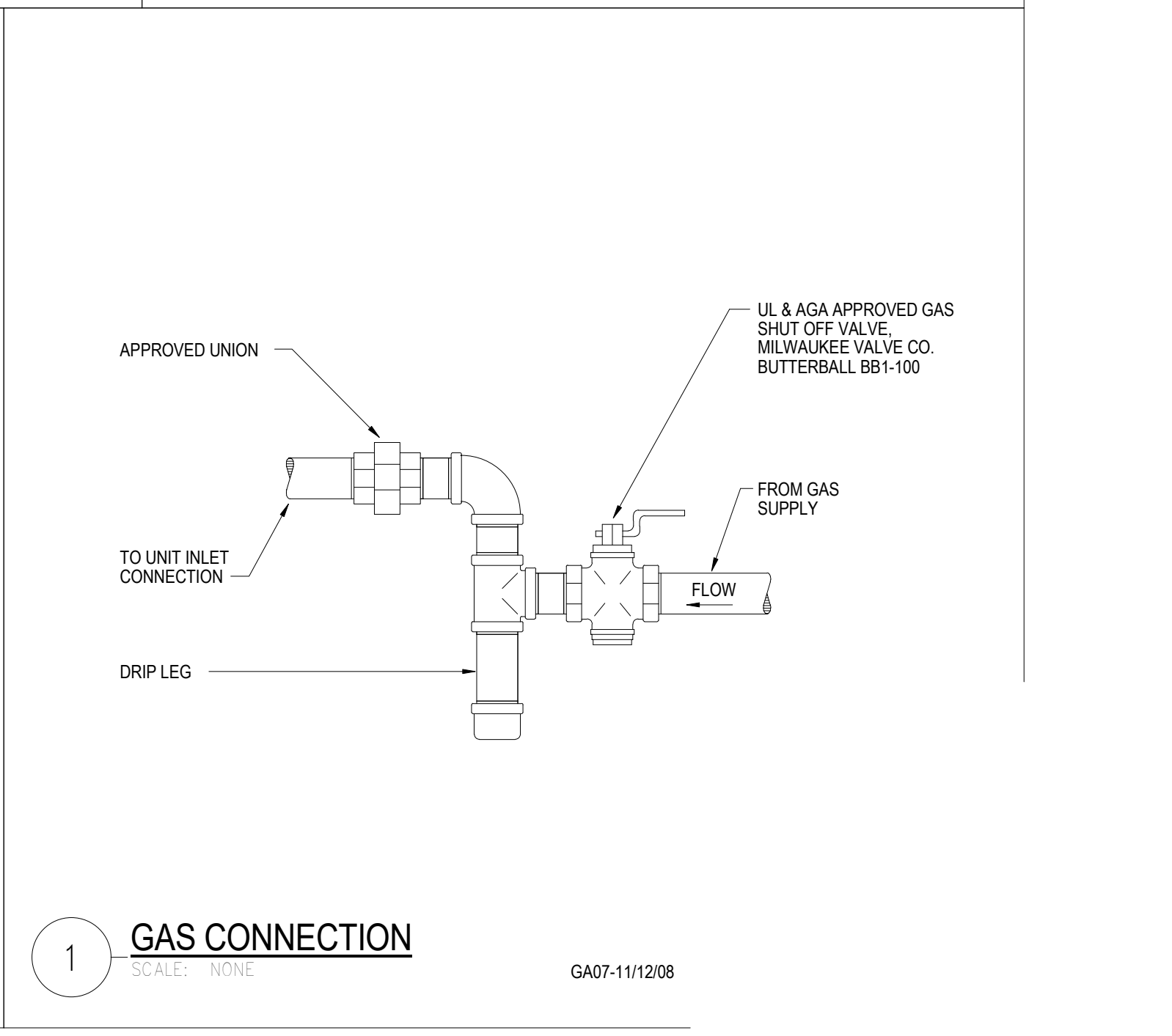
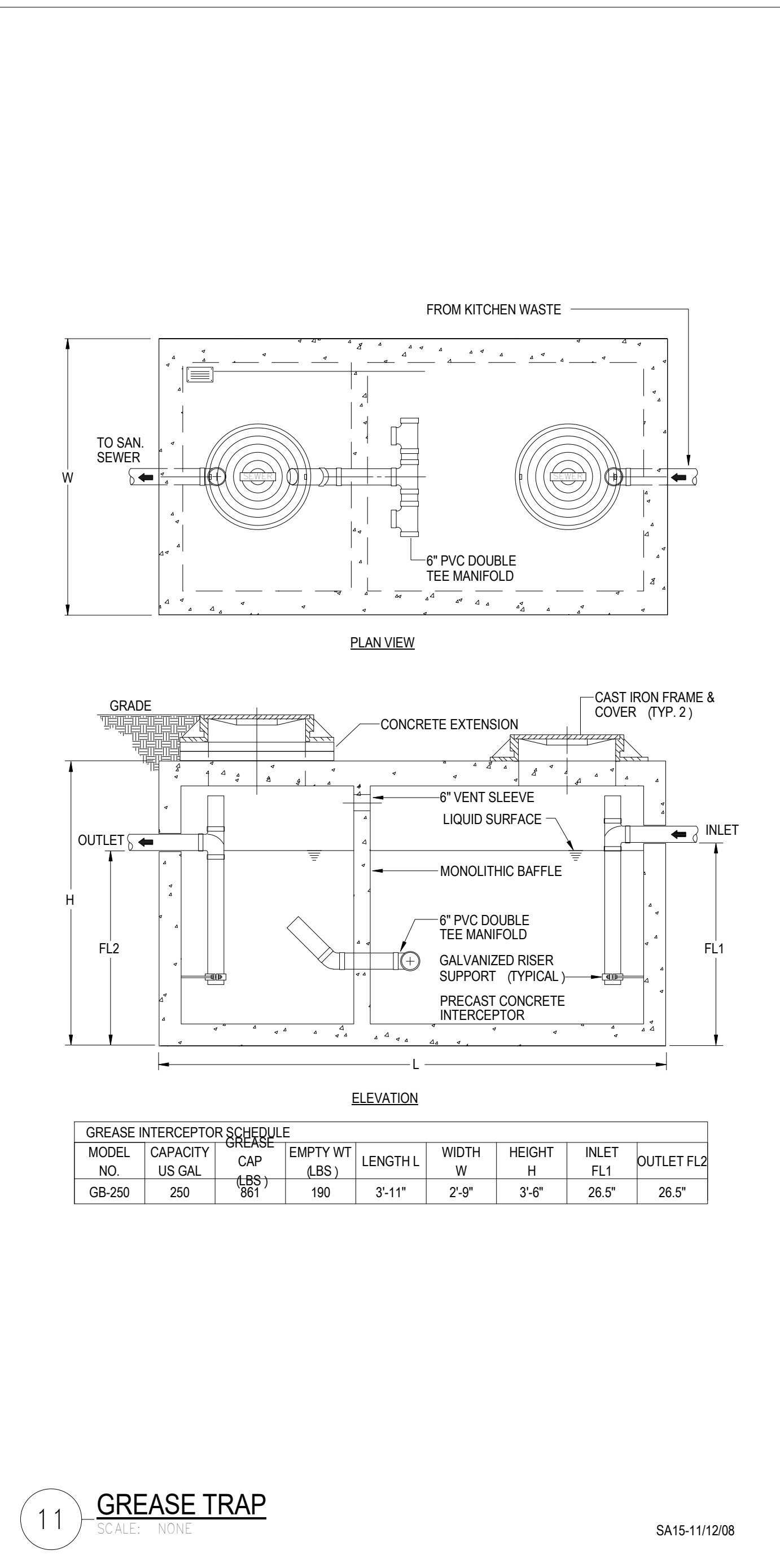
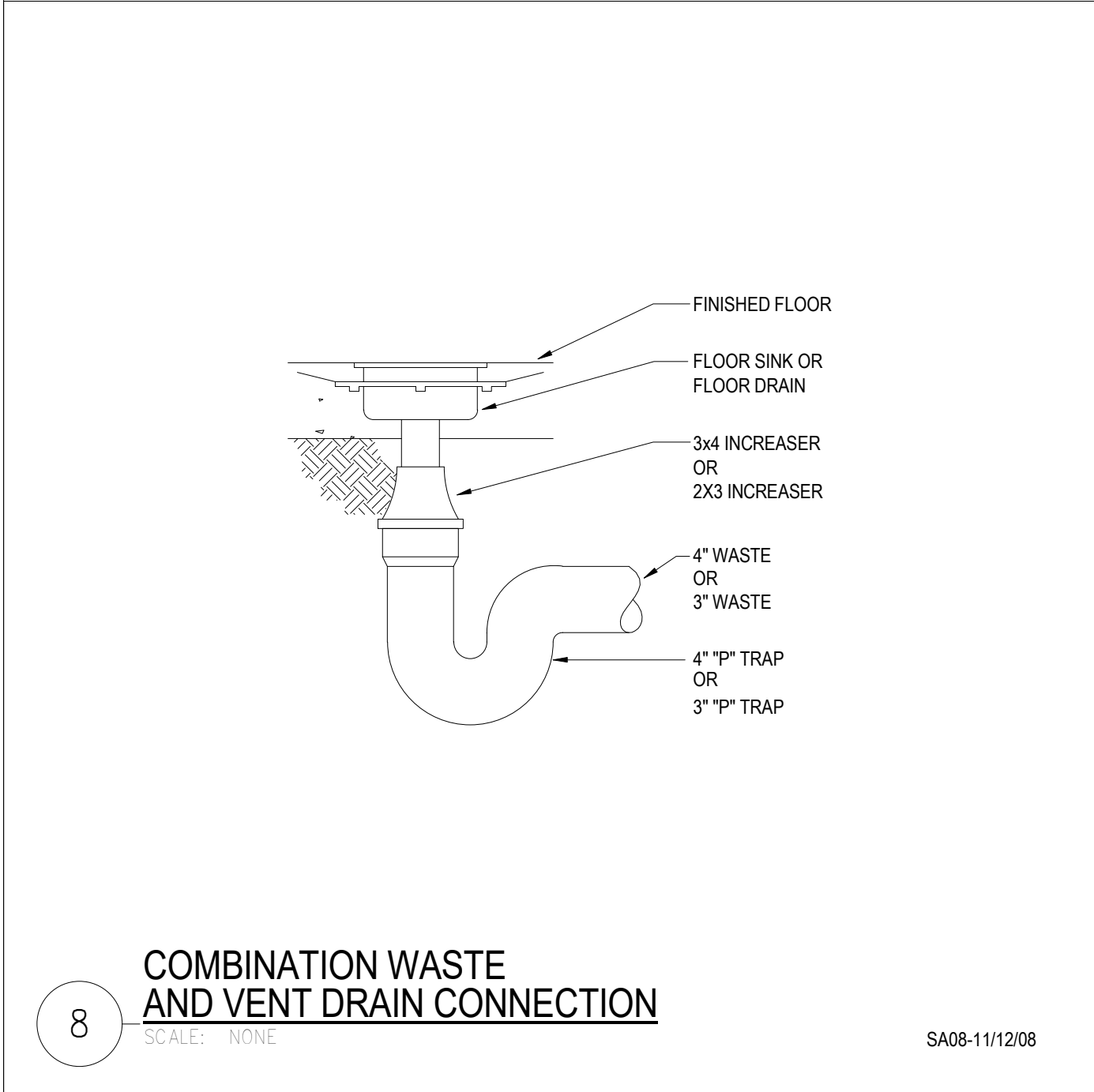
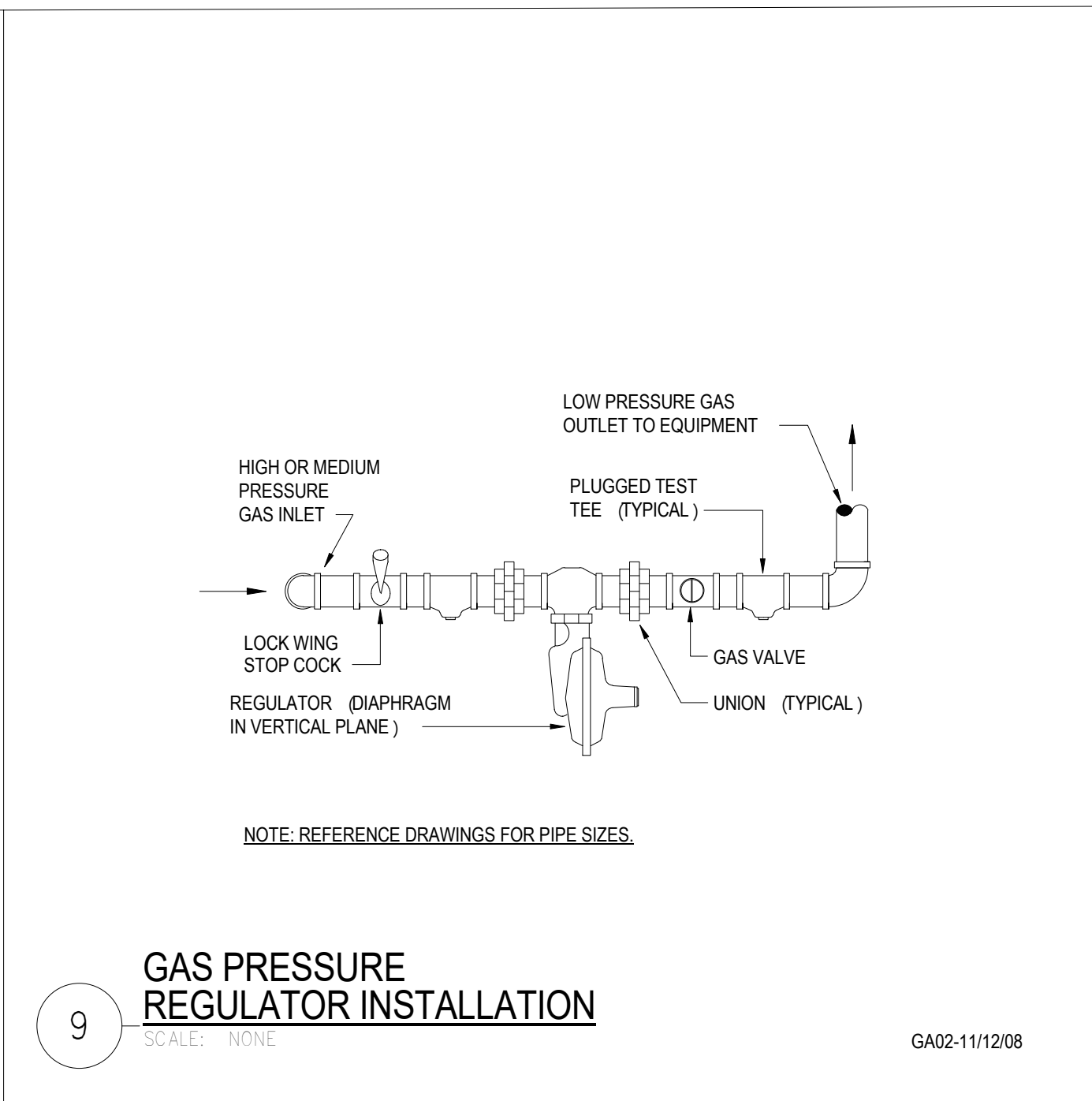
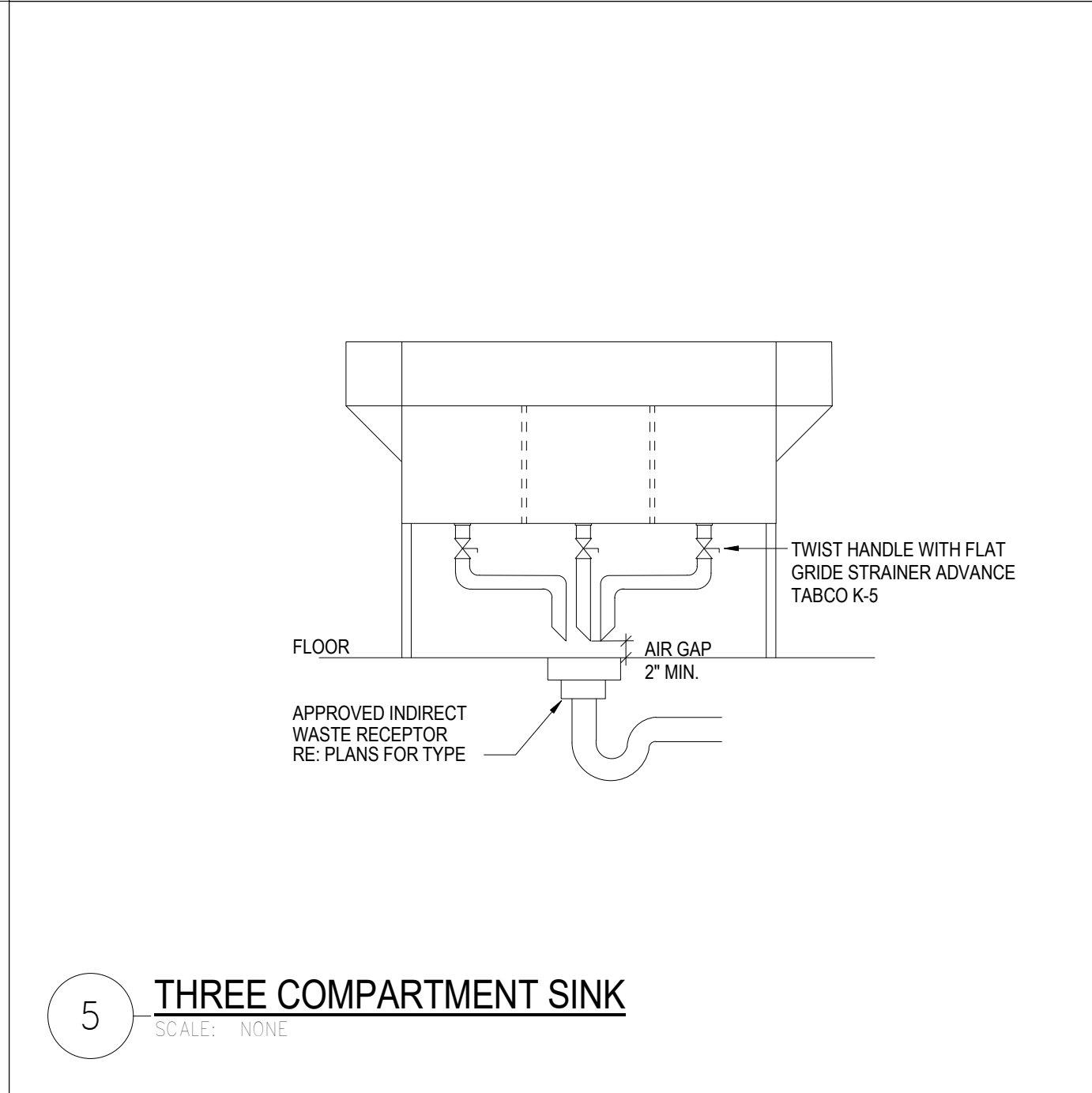
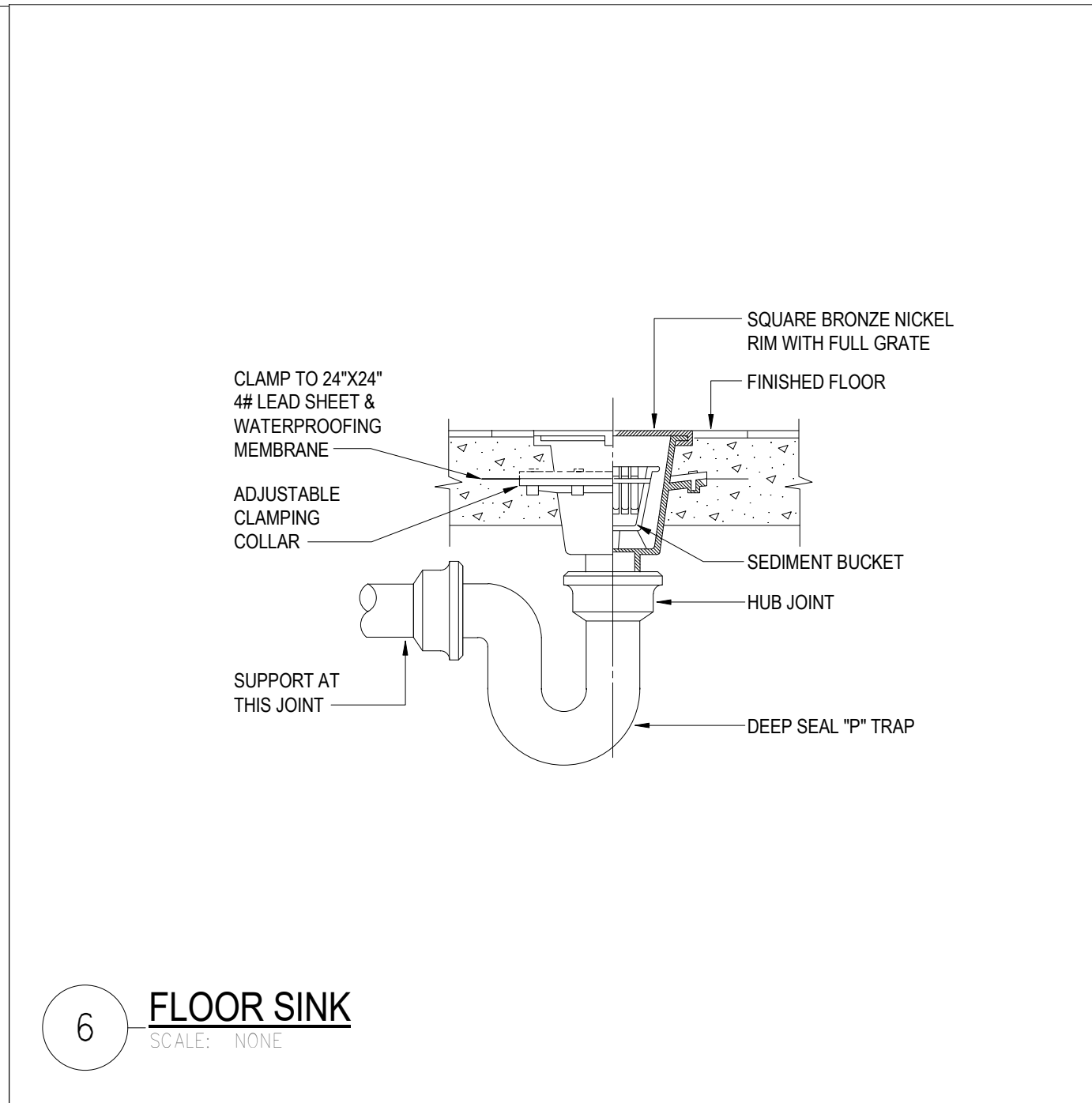
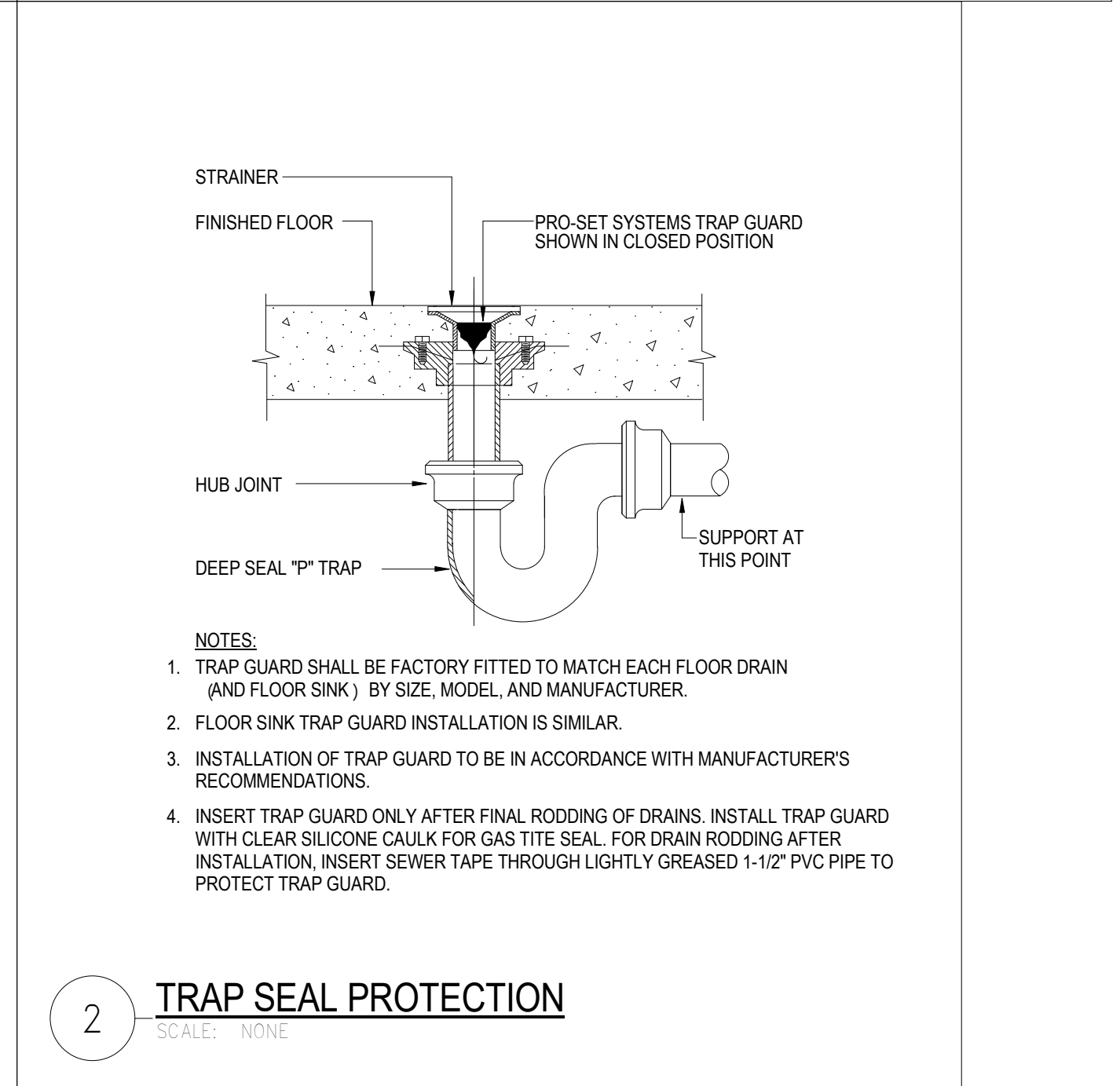
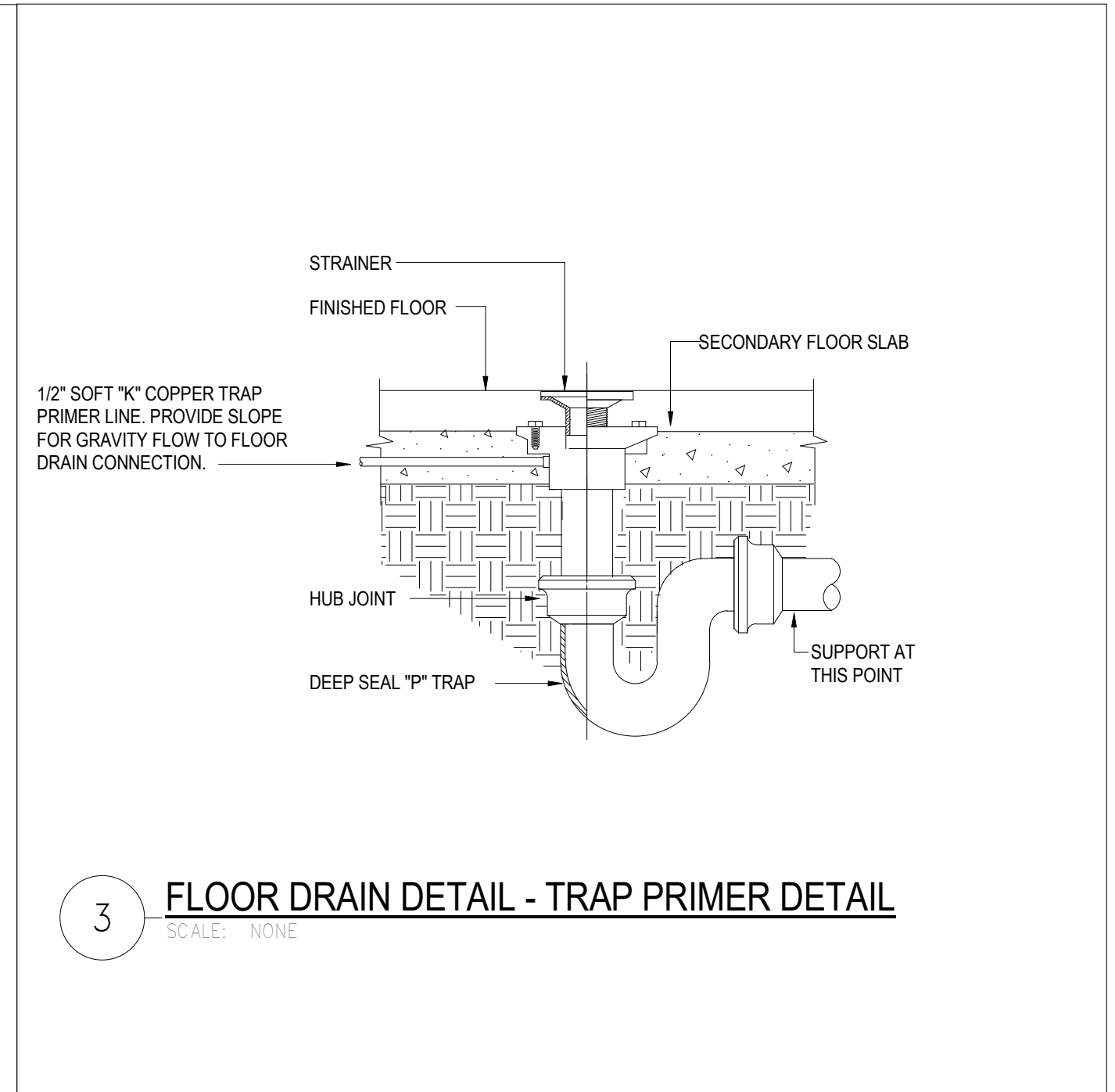
Route 21 & 79  
Greene Plaza  
Space #2  
Waynesburg, PA 15370  
Greene County

**DICKEY'S**  
BARBECUE PIT

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ISSUED/REVISD

DATE



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	MOCIP*	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							
TYPE: WC-1 (A.D.A. COMPLIANT)	DESCRIPTION: 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.	TYPE: FS-1	DESCRIPTION: 3-COMPARTMENT SINK				
SEAT: ELONGATED OPEN FRONT WHITE PLASTIC SEAT WITH SELF-SUSTAINING CHECK HINGES. CHURCH 9505SSCT.	FLUSH VALVE: 1.6 GALLON FLUSH CYCLE, EXPOSED, CHROME PLATED CLOSET FLUSHOMETER, VACUUM BREAKER, SPUD COUPLING FOR 1-1/2" TOP SPUD. SLOAN ROYAL 111.	TRAP SEAL: PROVIDE PRO-SET SYSTEMS, INC. TRAP GUARD FACTORY FITTED TO MATCH EACH FLOOR SINK BY SIZE, MODEL, AND MANUFACTURER. REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION WITH ARCHITECTURAL / KITCHEN CONSULTANT DRAWINGS.	ROUGH-IN: 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.				
ROUGH-INS: 4" WASTE, 3" VENT, 1" COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHT.	TYPE: MS-1	DESCRIPTION: 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.	FAUCET: CHROME PLATED BRASS FAUCET WITH INTEGRAL CHECK AND SHUT OFF STOP, WALL MOUNTED, VACUUM BREAKER SPOUT WITH BUCKET HOOK AND 3/4" HOSE THREAD OUTLET, VANDAL RESISTANT HANDLES, ADJUSTABLE TOP BRACE. CHICAGO 445-897SRCKKCP.				
TYPE: L-1 (A.D.A. COMPLIANT)	DESCRIPTION: PROVIDED BY KITCHEN CONSULTANT. 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.	ROUGH-IN: 3" WASTE, 2" VENT, 1/2" HOT AND COLD WATER.	TYPE: GT-1	DESCRIPTION: 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.			
STRAINER: 1-1/4" 17 GAUGE OFFSET WHEEL CHAIR STRAINER, CHROME PLATED BRASS GRID DRAIN WITH ELBOW AND 17 GAUGE OFFSET TAILPIECE. MCGUIRE 155WC.	P-TRAP: 1-1/4" 17 GAUGE CHROME PLATED HEAVY CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON PLATE. MCGUIRE 8872.	SUPPLIES: 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 2165K.	ROUGH-INS: 3/4" COLD WATER	TYPE: HB-1	DESCRIPTION: HOSE BIBB, FREEZELESS, CHROME PLATED BRASS FINISH WITH ANTI-SIPHON VACUUM BREAKER. INSTALL WITH BOTTOM OF HYDRANT 24" A.F.F. WOODFORD MODEL 30.		
TAILPIECE: GRAVITY FEED TRAP PRIMER TAILPIECE, 1/2" NOMINAL BRANCH CONNECTION. SIOUX CHIEF 213-092.	SUPPLIES: 1/2" I.P.S. X 3/8" O.D. WITH ESCUTCHEONS AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE 2165.	ROUGH-INS: 2" WASTE, 2" VENT, 1/2" HOT AND COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHT.	TYPE: FCO	SERVICE: 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.	ROUGH-INS: 3/4" COLD WATER. COORDINATE ROUGH-IN LOCATION/HEIGHT, FINAL CONNECTION WITH EQUIPMENT BEING INSTALLED AND WITH ARCHITECT/CASEWORKER DRAWINGS.		
TYPE: SK-1 - 3-COMPARTMENT SINK	DESCRIPTION: PROVIDED BY KITCHEN CONSULTANT.	FAUCET: TWO, WALL MOUNTED, CHROME PLATED BRASS, 12" SWING SPOUT ON 8" CENTERS. CHICAGO 540.	STRAINER: HEAVY DUTY STEEL BASKET STRAINER WITH 1-1/2" TAILPIECE AND LOCK NUTS. MCGUIRE 151A.	ROUGH-INS: 3" WASTE, 2" VENT, 1/2" HOT AND COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHT.	TYPE: IMC-1	DESCRIPTION: 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.	
TYPE: SK-2 - HAND SINK	DESCRIPTION: PROVIDED BY KITCHEN CONSULTANT.	MIXING VALVE: 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.	STRAINER: CHROME PLATED BRASS FLAT GRID SINK STRAINER, WITH 1-1/2" X 4", 20 GAUGE TAILPIECE. MCGUIRE 152.	P-TRAP: 1-1/2" 17 GAUGE CHROME PLATED CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON PLATE. MCGUIRE 8912.	SUPPLIES: 1/2" I.P.S. X 3/8" O.D. WITH ESCUTCHEONS AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE 2165.	ROUGH-INS: 3" WASTE, 2" VENT, 1/2" HOT AND COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHT.	
TYPE: SK-3 - DISHTABLE SINK	DESCRIPTION: PROVIDED BY KITCHEN CONSULTANT.	FAUCET: CHROME PLATED DECK MOUNTED PRE-RINSE FACUET ON 8" CENTERS. CHICAGO 527-919SLCP.	STRAINER: HEAVY DUTY STEEL BASKET STRAINER WITH 1-1/2" TAILPIECE AND LOCK NUTS. MCGUIRE 151A.	SUPPLIES: 1/2" I.P.S. X 3/8" O.D. WITH ESCUTCHEONS AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE 2165.	ROUGH-INS: 3" WASTE, 2" VENT, 1/2" HOT AND COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHT.	GENERAL NOTES: 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.	
TYPE: SK-4 - HAND SINK	DESCRIPTION: PROVIDED BY KITCHEN CONSULTANT.	FAUCET: CHROME PLATED DECK MOUNTED PRE-RINSE FACUET ON 8" CENTERS. CHICAGO 527-919SLCP.	MIXING VALVE: 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.	P-TRAP: 1-1/2" 17 GAUGE CHROME PLATED CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON PLATE. MCGUIRE 8912.	STRAINER: HEAVY DUTY STEEL BASKET STRAINER WITH 1-1/2" TAILPIECE AND LOCK NUTS. MCGUIRE 151A.	SUPPLIES: 1/2" I.P.S. X 3/8" O.D. WITH ESCUTCHEONS AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE 2165.	ROUGH-INS: 3" WASTE, 2" VENT, 1/2" HOT AND COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHT.
TYPE: SK-5 - 3-COMPARTMENT SINK	DESCRIPTION: PROVIDED BY KITCHEN CONSULTANT.	FAUCET: TWO, WALL MOUNTED, CHROME PLATED BRASS, 12" SWING SPOUT ON 8" CENTERS. CHICAGO 540.	STRAINER: HEAVY DUTY STEEL BASKET STRAINER WITH 1-1/2" TAILPIECE AND LOCK NUTS. MCGUIRE 151A.	SUPPLIES: 1/2" I.P.S. X 3/8" O.D. WITH ESCUTCHEONS AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE 2165.	ROUGH-INS: 3" WASTE, 2" VENT, 1/2" HOT AND COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHT.	PROVIDE MOLDED CLOSED CELL ANTI-MICROBIAL VINYL INSULATION KITS AT ALL LAVATORIES AND SINKS REQUIRED TO BE A.D.A. ACCESSIBLE (MCGUIRE OR TRUEBRO). ALL SUCH FIXTURES AND FINAL INSTALLATIONS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (A.D.A.).	
TYPE: FD-1	DESCRIPTION: FLOOR DRAIN, CAST IRON BODY, ADJUSTABLE 7" NICKEL BRONZE STRAINER, CLAMPING COLLAR. MIFAB F-1100.	TRAP SEAL: PROVIDE PRO-SET SYSTEMS, INC. TRAP GUARD FACTORY FITTED TO MATCH EACH HUB DRAIN BY SIZE, MODEL, AND MANUFACTURER.	ROUGH-IN: REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION AND INSTALLATION WITH ARCHITECTURAL DRAWINGS.	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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ISSUED/REVISD \_\_\_\_\_  
DATE \_\_\_\_\_

**P5.00**

## PLUMBING SPECIFICATIONS

<p><b>GENERAL</b></p> <p>A. PERFORM WORK IN ACCORDANCE WITH APPLICABLE STATUTES, ORDINANCES, CODES AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.</p> <p>B. OBTAIN ALL PERMITS REQUIRED.</p> <p>C. CONTRACT DRAWINGS ARE DIAGRAMMATIC ONLY AND DO NOT GIVE FULLY DIMENSIONED LOCATIONS OF VARIOUS ELEMENTS OF WORK. DETERMINE EXACT LOCATIONS FROM FIELD MEASUREMENTS.</p> <p>D. GUARANTEE WORK FOR 1 YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OF THE PROJECT. DURING THAT PERIOD MAKE GOOD ANY FAULTS OR IMPERFECTIONS THAT MAY ARISE DUE TO DEFECTS OR OMISSIONS IN MATERIAL, EQUIPMENT OR WORKMANSHIP. AT THE OWNER'S OPTION, REPLACEMENT OF FAILED PARTS OR EQUIPMENT SHALL BE PROVIDED.</p> <p>E. PROVIDE FINISHES TO MATCH APPROVED SAMPLES. ALL EXPOSED FINISHES SHALL BE APPROVED BY THE ARCHITECT. SUBMIT COLOR SAMPLES AS REQUIRED.</p> <p>F. COMPLY WITH INSTRUCTIONS IN FULL DETAIL, INCLUDING EACH STEP IN SEQUENCE. SHOULD INSTRUCTION CONFLICT WITH CONTRACT DOCUMENTS, REQUEST CLARIFICATION FROM ARCHITECT / ENGINEER BEFORE PROCEEDING.</p> <p>G. PROVIDE NAMEPLATES WITH 1/2" HIGH LETTERS AND FASTENED WITH EPOXY OR SCREWS.</p> <p>H. MAINTAIN QUALITY CONTROL OVER SUPERVISION, SUBCONTRACTORS, SUPPLIERS, MANUFACTURERS, PRODUCTS, SERVICES, SITE CONDITIONS AND WORKMANSHIP TO PRODUCE WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS.</p> <p>I. COMPLY WITH INDUSTRY STANDARDS EXCEPT WHEN MORE RESTRICTIVE TOLERANCES OR SPECIFIED REQUIREMENTS INDICATE MORE RIGID STANDARDS OR MORE PRECISE WORKMANSHIP.</p> <p>J. PERFORM WORK BY PERSONS QUALIFIED TO PRODUCE WORKMANSHIP OF SPECIFIED QUALITY.</p> <p>K. SECURE PRODUCTS IN PLACE WITH POSITIVE ANCHORAGE DEVICES DESIGNED AND SIZED TO WITHSTAND STRESSES, VIBRATION, AND RACKING. UNDER NO CONDITIONS SHALL MATERIAL OR EQUIPMENT BE SUSPENDED FROM STRUCTURAL BRIDGING.</p>	<p><b>SOIL, WASTE AND SANITARY DRAIN PIPING, VENT PIPING AND APPURTENANCES</b></p> <p>A. ABOVE SLAB PIPING: SCHEDULE 40 PVC PLASTIC PIPE AND DWV FITTINGS WITH SOLVENT WELDED JOINTS. PIPE AND FITTINGS SHALL CONFORM TO ASTM D 1784-82.</p> <p>B. BELOW SLAB ON GRADE PIPING: SCHEDULE 40 PVC PLASTIC PIPE AND DWV FITTINGS. SOLVENT WELDED DWV JOINTS SHALL CONFORM TO IAPMO INSTALLATION STANDARD IS-9. PIPE AND FITTINGS SHALL CONFORM TO ASTM D 1784, ASTM D 1785, ASTM D 2665, ASTM D 3311 AND NPS STANDARD 14 &amp; 61.</p> <p>C. ABOVE SLAB PIPING: PROVIDE SCHEDULE 40 PVC PLASTIC PIPE AND DWV FITTINGS WITH SOLVENT WELDED JOINTS. PIPE AND FITTINGS SHALL CONFORM TO ASTM D 1784-82.</p> <p>D. BELOW SLAB ON GRADE PIPING: SAME AS DRAIN PIPE AND FITTINGS LISTED ABOVE.</p> <p>E. ABOVE SLAB PIPE: DRAINAGE-WASTE-VENT COPPER PIPE AND FITTINGS FOR WASTE STUB-OUTS FOR ALL FIXTURE LOCATIONS.</p> <p>F. TESTING: BELOW SLAB ON GRADE AND ALL FLOORS IN MULTI-STORY BUILDINGS: TEST PIPE BELOW SLAB ON GRADE BEFORE BACKFILLING AND CONNECTING TO CITY SEWERS. MAINTAIN NOT LESS THAN 10 FOOT OF HYDROSTATIC HEAD FOR 1 HOUR WITHOUT A LEAK.</p> <p>G. RODDING SEWERS: ALL SANITARY SOIL AND WASTE LINES, BOTH IN THE BUILDING AND OUT, SHALL BE RODDED OUT AND FLUSHED OUT AFTER COMPLETION OF CONSTRUCTION AND PRIOR TO FINISH FLOOR BEING INSTALLED. ALL WORK MUST BE COMPLETED PRIOR TO SUBSTANTIAL COMPLETION. ALL FLOOR DRAINS AND CLEANOUT LOCATIONS MUST BE INCLUDED IN THIS WORK.</p>	<p><b>DOMESTIC WATER INSULATION</b></p> <p>A. ELASTOMERIC INSULATION: INSULATION MATERIAL SHALL BE 1/2" FLEXIBLE, CLOSED-CELL ELASTOMERIC INSULATION IN TUBULAR OR SHEET FORM. MATERIAL SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPED RATING OF 50 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM E84, LATEST REVISION.</p> <p>B. FIBERGLASS INSULATION: 1/2" THICK HEAVY DENSITY, DUAL TEMPERATURE FIBERGLASS INSULATION WITH FACTORY APPLIED, ALL SERVICE, REINFORCED VAPOR BARRIER JACKET HAVING INTEGRAL LAMINATED VAPOR BARRIER. PROVIDE WITH A FACTORY APPLIED PRESSURE SENSITIVE TAPE CLOSURE SYSTEM AND MATCHING BUTT STRIPS.</p> <p>C. COVER ALL COLD &amp; HOT WATER PIPING WITH INSULATION BY SLITTING TUBULAR SECTIONS OR SLIDING UN-SLIT SECTIONS OVER THE OPEN ENDS OF PIPING OR TUBING. SEAMS AND BUTT JOINTS SHALL BE ADHERED AND SEALED USING ADHESIVE.</p> <p>D. ALL FITTINGS SHALL BE INSULATED WITH THE SAME INSULATION THICKNESS AS THE ADJACENT PIPING. ALL SEAMS AND MITERED JOINTS SHALL BE ADHERED WITH ADHESIVE.</p> <p>E. INSULATION APPLICATIONS:          INDOOR CONCEALED: ELASTOMERIC          INDOOR EXPOSED: FIBERGLASS          OUTDOOR: ELASTOMERIC WITH WITH TWO COATS OF EITHER WB OR SB ARMAFLEX FINISH OR FOSTER 30-64 ELASTOMER FOAM COATING. ALL SEAMS SHALL BE LOCATED ON THE LOWER HALF OF THE PIPE.</p>
<p><b>PLUMBING FIXTURES AND FIXTURE CARRIERS</b></p> <p>ACCEPTABLE MANUFACTURERS:</p> <p>A. PLUMBING FAUCETS: AMERICAN STANDARD, CHICAGO, T&amp;S BRASS, ZURN, SYMMONS, MOEN COMMERCIAL HD, DELTA COMMERCIAL</p> <p>B. THERMOSTATIC MIXING VALVES: LAWLER, SYMMONS, POWERS, HOLBY, ACORN</p> <p>C. SUPPLIES, STOPS AND CHROME PLATED TUBULAR BRASS: MCGUIRE, KOHLER, CHICAGO, ZURN, BRASSCRAFT</p> <p>D. FLOOR DRAINS: ZURN, J.R. SMITH, JOSAM, WADE, WATTS/ANCON, SIOUX CHIEF, MIFAB</p> <p>E. CLEANOUTS: ZURN, J.R. SMITH, JOSAM, WADE, WATTS/ANCON, MIFAB</p> <p>F. STAINLESS STEEL SINKS: ELKAY, JUST</p> <p>INSTALLATION</p> <p>A. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.</p> <p>B. PROVIDE NECESSARY STOPS, VALVES, TRAPS, UNIONS, VENTS, COLD WATER, HOT WATER, SANITARY, ETC. FOR A COMPLETE INSTALLATION.</p> <p>C. REMOVE PIPING AND SERVICES ROUGHED-IN INCORRECTLY AND INSTALL CORRECTLY, WITHOUT COST.</p> <p>D. EXPOSED PIPING, FITTINGS AND APPURTENANCES SHALL BE CHROME-PLATED BRASS.</p>	<p><b>DOMESTIC WATER PIPING AND APPURTENANCES</b></p> <p>A. FURNISH AND INSTALL DOMESTIC HOT AND COLD WATER PIPING.</p> <p>B. BELOW SLAB ON GRADE PIPING: FURNISH ASTM B 88 AND ANSINSF STANDARD 61 COLD DRAWN, TYPE K COPPER WATER TUBE. RUN CONTINUOUS WITH NO JOINTS UNDER THE FLOOR SLAB. PROVIDE COPPER PIPE CORROSION PROTECTION AS SPECIFIED IN THIS SECTION.</p> <p>C. ABOVE SLAB PIPING: PROVIDE SEAMLESS ASTM B 88 AND ANSINSF STANDARD 61 TYPE L COPPER WATER TUBE WITH WROUGHT COPPER AND BRONZE SOLDER JOINT, ANSI B16.22. SOLDER MATERIAL SHALL BE 95-5 (LEAD FREE) (TIN-ANTIMONY-GRADE 95TA) ASTM B 32.</p> <p>D. AIR CHAMBERS: PROVIDE A MINIMUM 18-INCH LONG AIR CHAMBER, OF THE SAME SIZE AND CONNECTING PIPE MATERIAL AT EACH SINGLE LAVATORY, SINK, DRINKING FOUNTAIN OR FIXTURE THAT DOES NOT HAVE A QUICK-CLOSING VALVE OR ELECTRICAL, PNEUMATIC, SPRING LOADED TYPE, OR FLUSH VALVE. AIR CHAMBERS TO BE USED FOR REMOTE FIXTURES AND NOT MIXED WITH WATER HAMMER ARRESTORS AT GROUP TOILETS.</p> <p>E. TESTING: TEST UNDER A COLD WATER HYDROSTATIC PRESSURE OF NOT LESS THAN 200 PSI FOR AT LEAST 15 MINUTES AND CAREFULLY CHECK FOR LEAKS. REPAIR LEAKS AND RETEST SYSTEM UNTIL PROVEN WATERTIGHT. USE ONLY POTABLE WATER FOR THE TEST. PERFORM THE TEST BEFORE FIXTURES, FAUCETS, TRIM OR FINAL CONNECTIONS ARE MADE TO EQUIPMENT.</p> <p>F. COPPER PIPE CORROSION PROTECTION: CORROSION PROTECT COPPER TUBE PIPING SYSTEMS: IN THE BUILDING SLAB.</p> <p>H. COVER COPPER TUBING PIPING SYSTEM WITH: "TAPECOAT" TC PRIMER. EXTEND THE CORROSION PROTECTION 2 INCHES ABOVE CONCRETE SLAB ON GRADE.</p> <p>I. STERILIZE THE WATER SYSTEM WITH SOLUTION CONTAINING NOT LESS THAN 50PPM AVAILABLE CHLORINE. ALLOW CHLORINATING SOLUTION TO REMAIN IN SYSTEM FOR PERIOD OF 8 HOURS (MINIMUM). HAVE VALVES AND FAUCETS OPENED AND CLOSED SEVERAL TIMES DURING THE PERIOD. AFTER STERILIZATION, FLUSH THE SOLUTION FROM THE SYSTEM WITH CLEAN WATER UNTIL RESIDUAL CHLORINE CONTENT IS LESS THAN 0.2 PARTS PER MILLION.</p>	<div style="text-align: center; font-size: 2em; font-weight: bold;">X</div>
<p><b>ELECTRIC WATER HEATER</b></p> <p>A. ACCEPTABLE MANUFACTURERS: LOCHINVAR, STATE, RHEEM/RUUD, A.O. SMITH</p> <p>B. PROVIDE ELECTRIC WATER HEATERS WITH KILOWATT, RECOVERY RATINGS, AND STORAGE CAPACITIES AS SCHEDULED ON DRAWINGS.</p> <p>C. PROVIDE AT EACH HEATER AN AUTOMATIC TEMPERATURE AND PRESSURE RELIEF VALVE WITH RATING MATCHING OR EXCEEDING THE ENERGY INPUT RATE.</p> <p>D. INSTALL WATER HEATER IN GALVANIZED DRAIN PAN PIPED TO FLOOR DRAIN. PROVIDE 3" OUTLET CONNECTION.</p>		

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