SHEET INDEX

We are committed to sustainable design construction practices, and operations. We encourage Tenants to participate through voluntary incorporation of the following strategies:

DIVERT CONSTRUCTION WASTE FROM LANDFILLS

- SEGREGATE demolition and construction waste and maximize RECYCLING of items such as ceiling tiles, metal studs, light bulbs/lamps, glass and other interior fixtures, etc.
- SALVAGE items such as light fixtures, door/frames, plumbing & store fixtures, etc.
- DONATE salvaged items to the ReStore Program, which benefits Habitat for Humanity. Coordinate with Mall Tenant Coordinator and Mall Operations Manager.

BROOKFIELD PROPERTIES

These working drawings have been reviewed for design intent only. It is the Tenant's obligation to comply with all established Tenant Design Criteria as set forth in the lease agreement, lease plan, construction handbook, bulletins or as otherwise notified. It is also the Tenant's obligation to comply with all applicable laws, ordinance, building codes and regulations.

☐ APPROVED ☒ APPROVED AS NOTED ☐ DISAPPROVED RESUBMIT

DATE: 11.29.22 BY: Jonathan Kath

After Landlord approval, any changes or modifications in the construction documents or Tenant improvements must be Approved by Landlord in writing.

TENANT'S GENERAL CONTRACTOR TO CHECK IN WITH MALL OPERATIONS MANAGER PRIOR TO WORK START.

All reused material and equipment must be refurbished to "like new" condition.

Tenant Contractor shall perform first-class workmanship. Acceptance is contingent upon Landlord Approval.

Approval is subject to verification of conditions and compliance with procedures from local Brookfield Properties Authority.

ADA Compliance

Tenant's leased premises must comply with Title III of the Americans with Disabilities Act (ADA). Compliance will include, but not limited to, the design, construction and/or alteration of the leased premises. Upon completion of work, Tenant or Tenant's Architect must supply to Landlord a letter, satisfactory to Landlord, stating that the leased premises have been designed and constructed in accordance and are in compliance with the ADA.

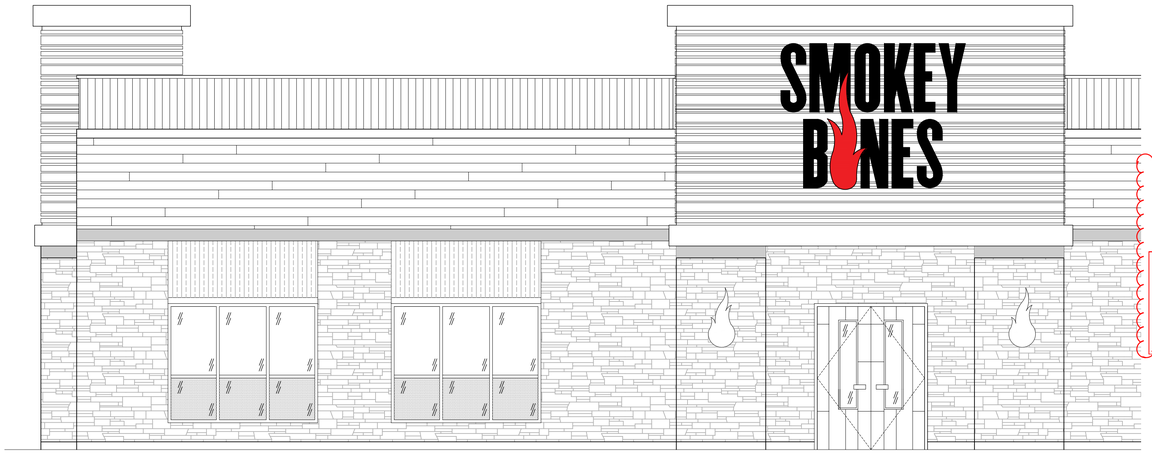
We are committed to sustainable design construction practices, and operations. We encourage Tenants to participate through voluntary incorporation of the following strategies:

IMPROVE INDOOR AIR QUALITY

- REDUCE construction dust & air particulates with dust containment systems and/or shut off circulating air.
- SEAL-OFF all HVAC ductwork for re-sue and clean prior to occupancy.
- USE cleansers and maintenance products that are eco-friendly.

These guard documents have been reviewed for design intent only. It is the tenant's obligation to comply with all established Tenant Design Criteria as set forth in the lease agreement, lease plan, construction handbook, bulletins or as otherwise notified. It is also the Tenant's obligation to comply with all applicable laws, ordinances, building codes and regulations.

- Manufacturer and installer shall perform first-class workmanship – acceptance is contingent upon Landlord approval.
- If installed at the storefront, tempered or laminated glass is preferred; however, plexi glass may be used on a temporary basis
- There shall be no sharp or rough edges.
- Guard must have adequate support and/or be properly secured to insure stability.
- Any attachments to be in keeping with the overall color and design of the store and shall match surrounding surface in color and finish
- Tenant contractor is responsible for protecting all landlord surfaces during installation and will repaint and/or repair Landlord property (neutral piers, bulkheads, rear corridor, etc.) damaged during improvements.
- It is the responsibility of the Tenant's installer to field verify dimensions, utility locations, and conditions prior to and during installation.
- All changes or modifications must be approved in writing by Landlord.
- All work to be done during non-operating hours of the mall.
- Guard to be kept clean at all times.



SMOKEY BONES

LOCATED AT:
1910 N. NEIL ST.
CHAMPAIGN, IL 61820

All Landlord notes and comments must appear on final revised drawings and must appear on all drawings in the field.

Tenant Contractor will repaint and/or repair Landlord property (neutral piers, bulkhead, rear corridor, etc.) damaged during Tenant improvements.

It is the responsibility of the Tenant's Architect to field verify dimensions, utility locations and conditions prior to and during construction.

HAZARDOUS SUBSTANCE
It is the responsibility of the Tenant and the Tenant's Contractor (s), when prepairing for and proceeding with construction in the premises, to comply with all requirements of all applicable laws concerning hazardous substances. The Tenant shall not permit the installation or use of any hazardous substances in any component of the premises during its tenancy.

All materials used in the construction of this space must be asbestos free.

PROFESSIONAL OF RECORD:

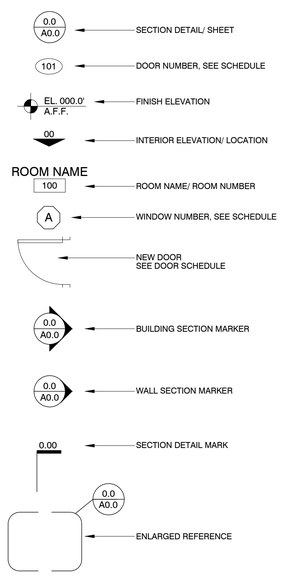
ARCHITECT

NAME: JEFF SPIKES
LICENSE NO.: 001.025992
PHONE NO.: 318-828-1637

JEFF SPIKES ARCHITECT
417 LAKE STREET
SHREVEPORT, LOUISIANA 71101

LOCATOR MAP

SYMBOL LEGEND



CONTRACTOR NOTES

A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL DRAWINGS AND SPECIFICATIONS , INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL PRIOR TO SUBMITTING A BID. REPORT ANY DISCREPANCIES TO ARCHITECT OR ENGINEER PRIOR TO BID.

B. BIDDERS ARE TO VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND SATISFY THEMSELVES AS TO THE NATURE AND SCOPE OF THE WORK. THE SUBMISSION OF A BID WILL BE EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE. LATER CLAIMS FOR LABOR, EQUIPMENT, OR MATERIALS REQUIRED, OR FOR ANY DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD AN EXAMINATION BEEN MADE, WILL NOT BE ALLOWED.

C. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ARCHITECT, AND OWNER OF ANY DISCREPANCIES ENCOUNTERED ON THE PLANS OR IN EXISTING SITE CONDITIONS PRIOR TO SUBMISSION OF BID.

D. CONTRACTOR, DURING PRE-BID SITE VISIT, SHALL TAKE NOTICE OF ANY VISUALLY APPARENT CODE VIOLATIONS AND ALLOW IN HIS/HER BID FOR CORRECTING SUCH VIOLATIONS.

E. CONTRACTORS ARE CAUTIONED TO COORDINATE ITEMS IN THEIR SCOPE OF WORK WITH OTHER TRADES.

F. ALL CONSTRUCTION TO COMPLY WITH LOCAL AND STATE CODES AND STANDARDS

G. CONTRACTOR TO PROVIDE LOW LEVEL EXIT SIGNAGE WITH BRAILLE AT ALL REQUIRED EXITS.

H. CONTRACTOR IS VERIFY EXISTING BACKFLOW PREVENTER IS PRESENT AND WORKING PROVIDE NEW OR REPAIR AS NEEDED

I. THESE NOTES APPLY TO ALL SHEETS.

CODE INFORMATION:

CODES UTILIZED

FIRE/ LIFE SAFETY CODE:	INTERNATIONAL FIRE CODE, 2015 ED
ACCESSIBILITY CODE:	ILLINOIS ACCESSIBILITY CODE, 2018 ED
BUILDING CODE:	INTERNATIONAL BUILDING CODE, 2015 ED
PLUMBING CODE:	ILLINOIS PLUMBING CODE, 2014 ED
FUEL GAS CODE:	INTERNATIONAL FUEL GAS CODE, 2015 ED
MECHANICAL CODE:	INTERNATIONAL MECHANICAL CODE, 2015 ED
ELECTRICAL CODE:	NEC ELECTRICAL CODE, 2014 ED

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF SPIKES
001.025992
STATE OF LOUISIANA

COVER

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET A0.00

DATE 11/11/22

SCOPE OF WORK:

RESTAURANT CONVERSION (EXISTING TGI FRIDAY'S TO SMOKEY BONES)

CODES ENFORCED:

CODES UTILIZED

FIRE/ LIFE SAFETY CODE:	INTERNATIONAL FIRE CODE, 2015 ED
ACCESSIBILITY CODE:	ILLINOIS ACCESSIBILITY CODE, 2018 ED
BUILDING CODE:	INTERNATIONAL BUILDING CODE, 2015 ED
PLUMBING CODE:	ILLINOIS PLUMBING CODE, 2014 ED
FUEL GAS CODE:	INTERNATIONAL FUEL GAS CODE, 2015 ED
MECHANICAL CODE:	INTERNATIONAL MECHANICAL CODE, 2015 ED
ELECTRICAL CODE:	NEC ELECTRICAL CODE, 2014 ED

CODE INFORMATION:

OCCUPANCY TYPE: SMOKEY BONES BBQ RESTAURANT

BUILDING CONSTRUCTION TYPE:

1. OCCUPANCY CLASSIFICATION (304)

   GROUP A - 2 ASSEMBLY (RESTAURANT)

2. CONSTRUCTION TYPE (608)

   TYPE VI - UNPROTECTED, SPRINKLERED (EXISTING)

3. AREA ALLOWANCES (TABLE 500)

OCCUPANCY	MAX. HEIGHT	MAX. STORIES	ALLOW. AREA	ACTUAL AREA
A-2	40'-0" (PER CODE) 25'-0" (PER DEVELOPER)	1	15,000 SF	6,866 SF

TOTAL OCCUPANT LOAD:

FLOOR	OCCUPANCY	AREA	MIN. OCC. LOAD	OCCUPANTS
1	DINING ROOM	2,621 NET SF	TOTAL SEATS	206
1	PATIO DINING	435 SF	TOTAL SEATS	20
1	BUSINESS	2,321 SF	100/PERSON	23
1	WAITING	254 SF	5/PERSON	50
1	WAITING (BAR)	100 SF	5/PERSON	20
				319

BUILDING USE:	RESTAURANT
TRAVEL DISTANCE REQUIRED:	250' MAX.
COMMON PATH REQUIRED:	20' (50 OR MORE OCCUPANTS) / 75' (LESS THAN 50 OCCUPANTS) MAX
DEAD END CORRIDOR:	20' MAX

LEGEND

FIRE ALARM

FIRE ALARM PROVIDED PER THE 2014 INTERNATIONAL FIRE PREVENTION CODE

LEGEND

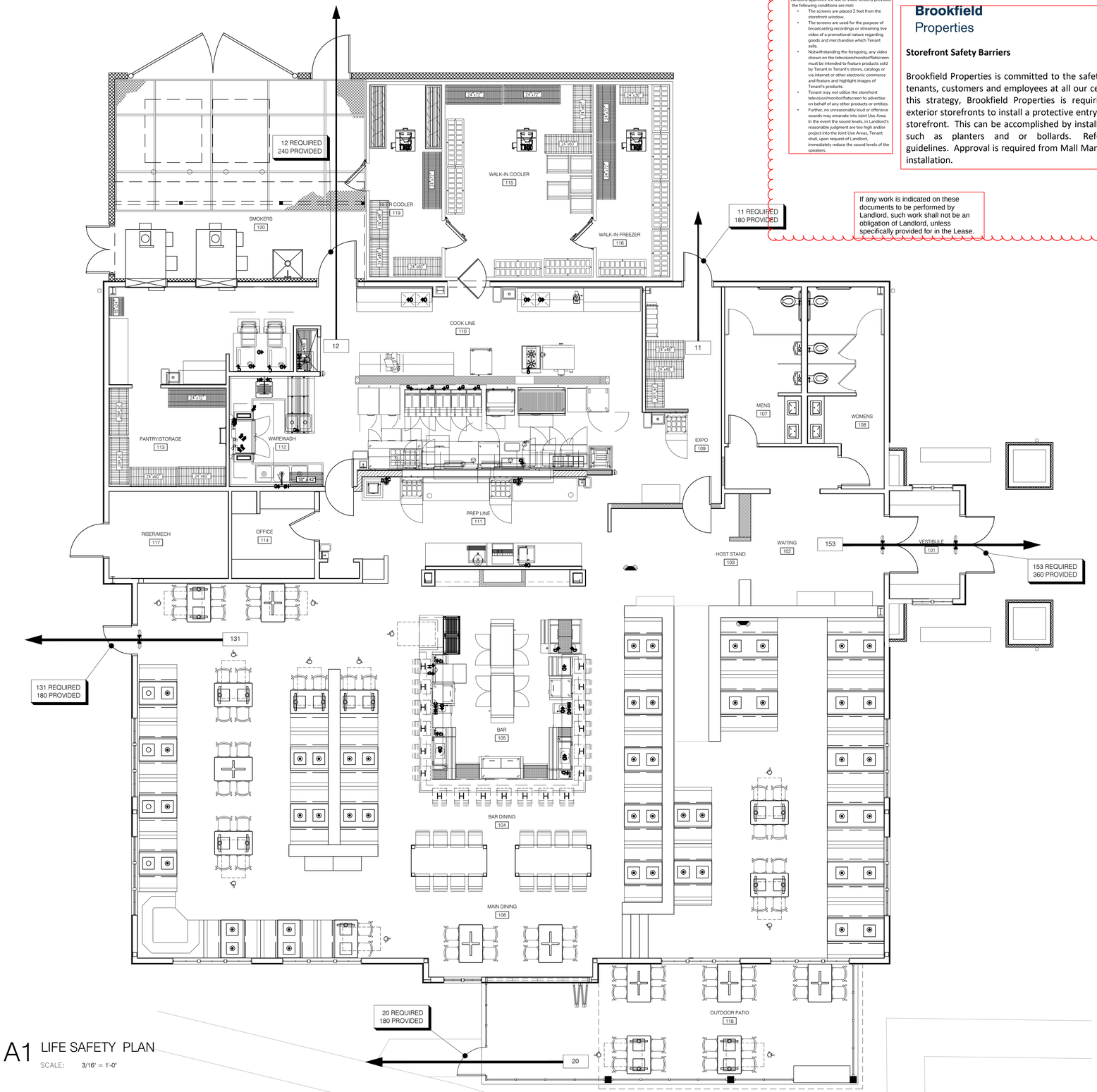
EMERGENCY LIGHT

EXIT LIGHT

[#] NUMBER OF OCCUPANTS EXITING THE BUILDING

MAIN DINING SEATING & TABLE SCHEDULE		
SEATING TYPE:	TABLES	SEATS
ONE'S	20	**20**
TWO'S	0	**0**
THREE'S	0	**0**
FOUR'S	29	**116**
FIVE'S	0	**0**
SIX'S	9	**54**
EIGHT'S	2	**16**
TOTALS:	**60**	**206**
SEATING RATIO:		**3.4**
5% ACCESSIBLE SEATING: (4 ADA Seats Req. for 51-60 Seats)		**10.3**
ACCESSIBLE SEATING: (REQUIRED TO ROUND UP)		11

PATIO SEATING & TABLE SCHEDULE		
SEATING TYPE:	TABLES	SEATS
ONE'S	0	**0**
TWO'S	0	**0**
THREE'S	0	**0**
FOUR'S	5	**20**
FIVE'S	0	**0**
SIX'S	0	**0**
EIGHT'S	0	**0**
TOTALS:	**5**	**20**
SEATING RATIO:		**4.0**
5% ACCESSIBLE SEATING: (4 ADA Seats Req. for 51-60 Seats)		**1.0**
ACCESSIBLE SEATING: (REQUIRED TO ROUND UP)		1



A1 LIFE SAFETY PLAN

SCALE: 3/16" = 1'-0"

Landlord approves the use of video screens provided the following conditions are met:

- The screens are placed 2 feet from the storefront window.
- The screens are used for the purpose of broadcasting recordings or streaming live video of a promotional nature regarding goods and merchandise which Tenant sells.
- Notwithstanding the foregoing, any video shown on the television/monitor/flatscreen must be intended to feature products sold by Tenant in Tenant's stores, catalogs or via internet or other electronic commerce and feature and highlight images of Tenant's products.
- Tenant may not utilize the storefront television/monitor/flatscreen to advertise on behalf of any other products or entities.
- Further, no unreasonably loud or offensive sounds may emanate into Joint Use Area. In the event the sound levels, in Landlord's reasonable judgment are too high and/or project into the Joint Use Areas, Tenant shall, upon request of Landlord, immediately reduce the sound levels of the speakers.

Brookfield
Properties

Storefront Safety Barriers

Brookfield Properties is committed to the safety and security of tenants, customers and employees at all our centers. As part of this strategy, Brookfield Properties is requiring tenants with exterior storefronts to install a protective entry across the entire storefront. This can be accomplished by installing fixed barriers such as planters and or bollards. Refer to attached guidelines. Approval is required from Mall Management prior to installation.

If any work is indicated on these documents to be performed by Landlord, such work shall not be an obligation of Landlord, unless specifically provided for in the Lease.

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF SPIKES
001.025992
STATE OF ILLINOIS

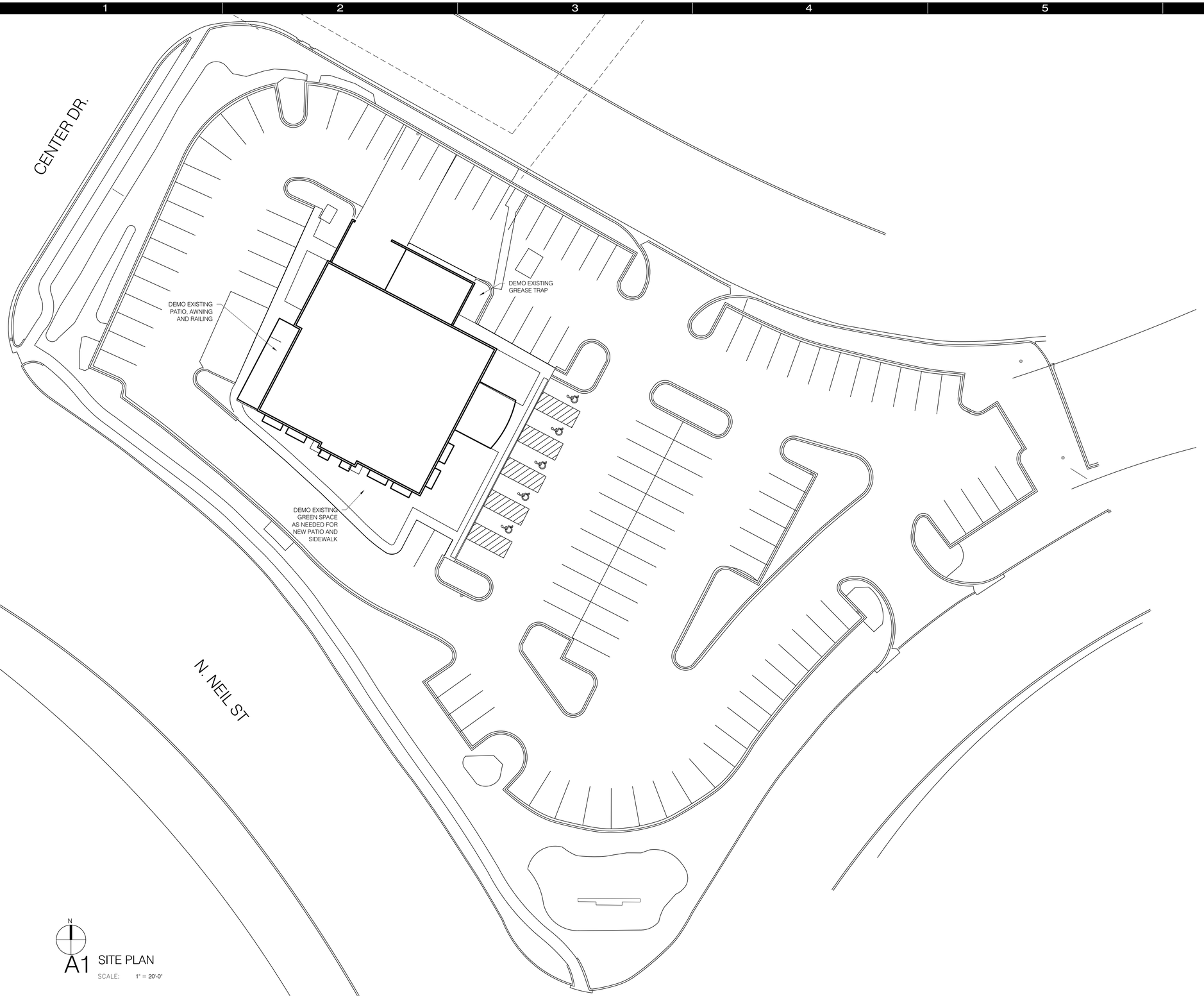
LIFE SAFETY PLAN

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET A0.01

DATE 11/11/22



A1 SITE PLAN

SCALE: 1" = 20'-0"

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF
SPIKES
001.025992
STATE OF ILLINOIS

DEMO SITE PLAN

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET A1.01

DATE 11/11/22

Nov 11, 2022 - 12:32pm
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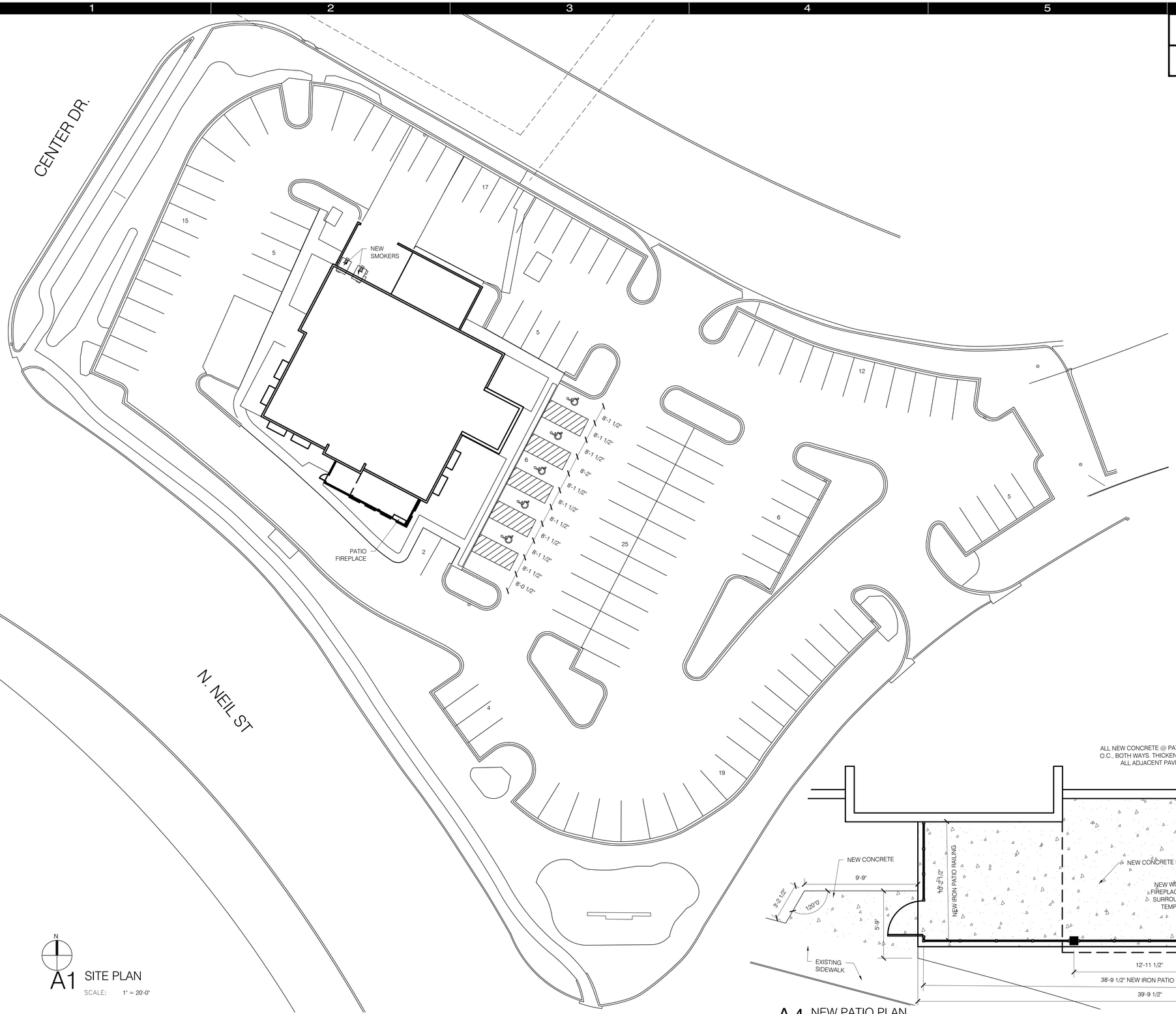

N

A1 SITE PLAN

SCALE: 1" = 20'-0"

GENERAL NOTES:

- GC TO MILL AND OVERLAY ENTIRE PARKING LOT AND RESTRIPE PARKING LINES AS INDICATED.

A4 NEW PATIO PLAN

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

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF SPIKES
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STATE OF ILLINOIS

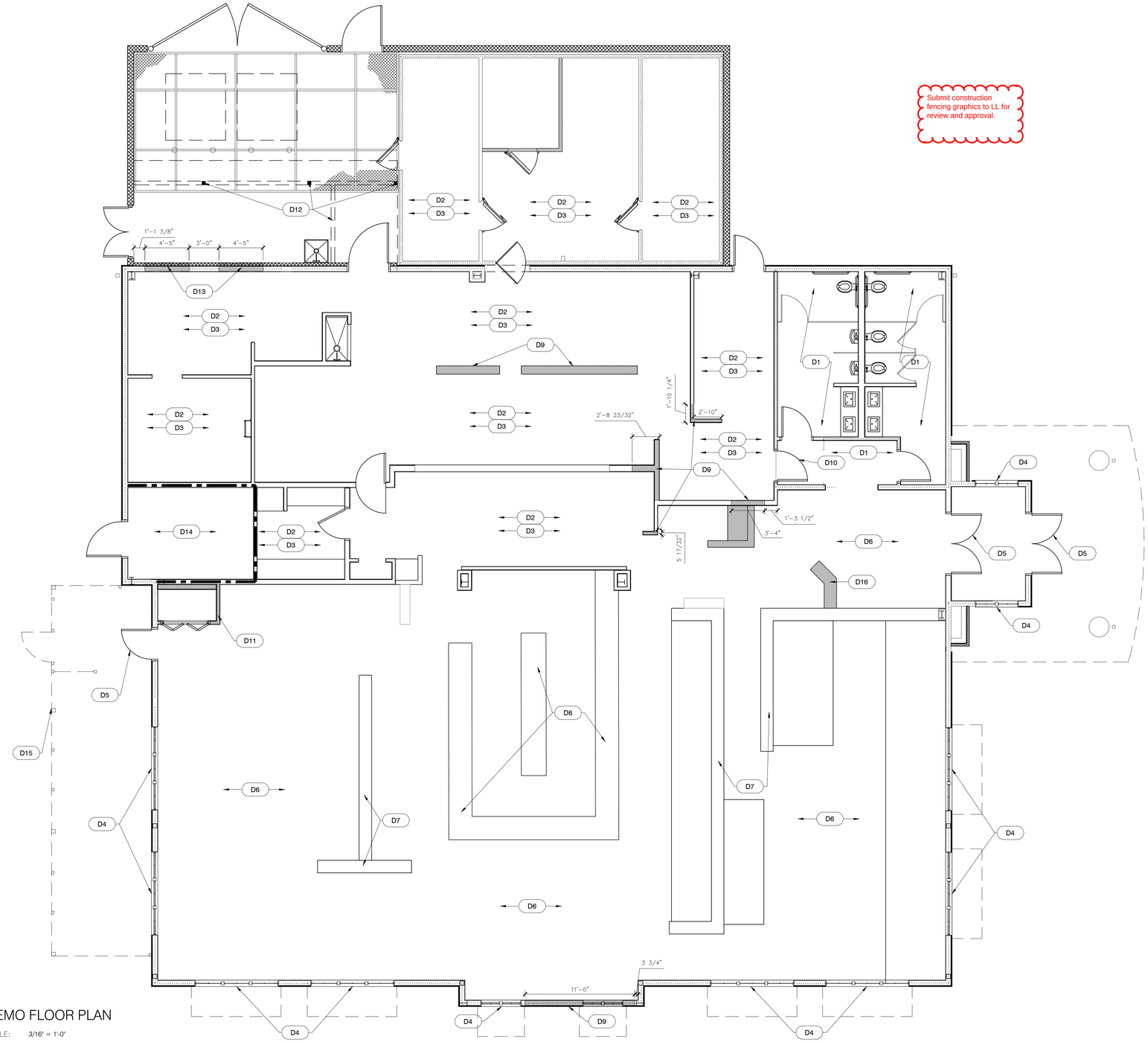
RENOVATED SITE PLAN

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET A1.02

DATE 11/11/22



Submit construction fencing graphics to LL for review and approval.

DEMOLITION NOTES

1. REMOVE ALL EXISTING FIXTURES, CEILINGS, FINISHES, AND MILLWORK AND PREPARE FOR NEW WORK PER RENOVATED FLOOR PLAN.
2. ALL EXISTING KITCHEN EQUIPMENT TO BE REMOVED. THIS INCLUDES FREESTANDING EQUIPMENT, HOODS (SEE MECHANICAL DRAWINGS), FLOOR AND/OR WALL-MOUNTED EQUIPMENT, AND WALK-IN FREEZER/COOLER BOXES.
3. EXISTING WALL FINISHES TO BE REMOVED AND WALLS TO BE PREPPER FOR INSTALLATION OF NEW WALL FINISHES.
4. EXISTING WINDOWS TO BE REMOVED, AND EXISTING WALLS TO BE DEMO'D AS REQUIRED BY EXTENT OF NEW WORK. SEE INTERIOR ELEVATIONS FOR NEW WINDOW SILL HEIGHTS.
5. REMOVE EXISTING STOREFRONT AND DOOR. PREPARE FOR NEW STOREFRONT INSTALLATION (SEE DOOR/WINDOW SCHEDULES.)
6. REMOVE ALL INTERIOR FINISHES FROM DINING AREAS INCLUDING (BUT NOT LIMITED TO) FLOORING, WALL FINISHES, CEILING GRID, LIGHT FIXTURES, CEILING ELEMENTS, RAISED SEATING PLATFORMS, MILLWORK, ETC. EXISTING BEAMS, STAIRS, AND SEATING DIVIDER WALLS TO REMAIN.
7. REMOVE EXISTING SEATING DIVIDER WALL CAPS AS REQUIRED BY EXTENT OF NEW WORK.
8. DEMO EXISTING BAR AND EQUIPMENT.
9. DEMO PORTIONS OF EXISTING WALL AS REQUIRED BY EXTENT OF NEW WORK.
10. REMOVE EXISTING KITCHEN DOOR FROM RESTROOM HALLWAY.
11. DEMO EXISTING CLOSET STORAGE ROOM FROM DINING ROOM.
12. REMOVE EXTERIOR STORAGE WALLS IN NEW SMOKER AREA. EXISTING COLUMNS AND ROOF STRUCTURE TO REMAIN.
13. DEMO PORTIONS OF EXISTING EXTERIOR WALL AS REQUIRED FOR INSTALLATION OF NEW SMOKERS.
14. DEMO EXISTING WATER HEATER AND WATER SOFTENER AND PREPARE FOR NEW.
15. DEMO EXISTING PATIO AND RAILING.
16. DEMO EXISTING HOST STANDS.

GENERAL NOTES:

- REMOVE ALL INTERIOR FINISHES IN FOH (FRONT OF HOUSE) AREAS AS REQUIRED BY EXTENT OF NEW WORK. THIS INCLUDES DINING ROOM, FRONT OF OFFICE, AND RESTROOMS.
- ANY EXISTING WALLS OR SECTIONS OF WALLS MARKED WITH HATCH ARE TO BE DEMOLISHED AS REQUIRED BY EXTENT OF NEW WORK.
- ANY EXISTING ITEMS WHICH ARE TO REMAIN ARE TO BE PRESERVED AND PROTECTED FOR REUSE BY G.C.
- ALL EXTERIOR FINISHES TO BE REMOVED AS NECESSARY FOR INSTALLATION OF NEW FINISHES.

Provide temporary construction barricade prior to commencement of construction, per instruction of local Brookfield Properties authority. Do not fasten to mall Finish material.

Remove any abandoned utilities/ equipment, such as HVAC units, curbs, ducts, plumbing vents, and wiring from the premises. Cap utilities at point of origin and coordinate this work with center management.

Contractor must install a barricade that is made of Steel studs and drywall. The Drywall work must be completed to a level 4 or 5 finish and painted with a light semi gloss color.

If sound levels are 40 decibels or higher, sound insulation must be installed within demising walls.

Tenant must install a self adhesive vinyl graphic that is a full barricade wrap including the 3 ft. returns. This Graphic must be a high resolution photo graphic. Please submit this ASAP as it is required to be installed within 3 days of your barricade being installed.

If Tenant does not have a back door a door in the barricade is permitted, however it must be a frameless hidden hinge door with only a dead bolt and small pull bar for hardware. This is so the Graphic can be installed over the doorway. If the Tenant need a door in the barricade and has a back door then the only hardware permitted on the door will be a single dead bolt.

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF SPIKES
001.025992
STATE OF ILLINOIS

DEMO FLOOR PLAN

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET A2.00

DATE 11/11/22

A1 DEMO FLOOR PLAN
SCALE: 3/16" = 1'-0"

Nov 11, 2022 - 12:32pm
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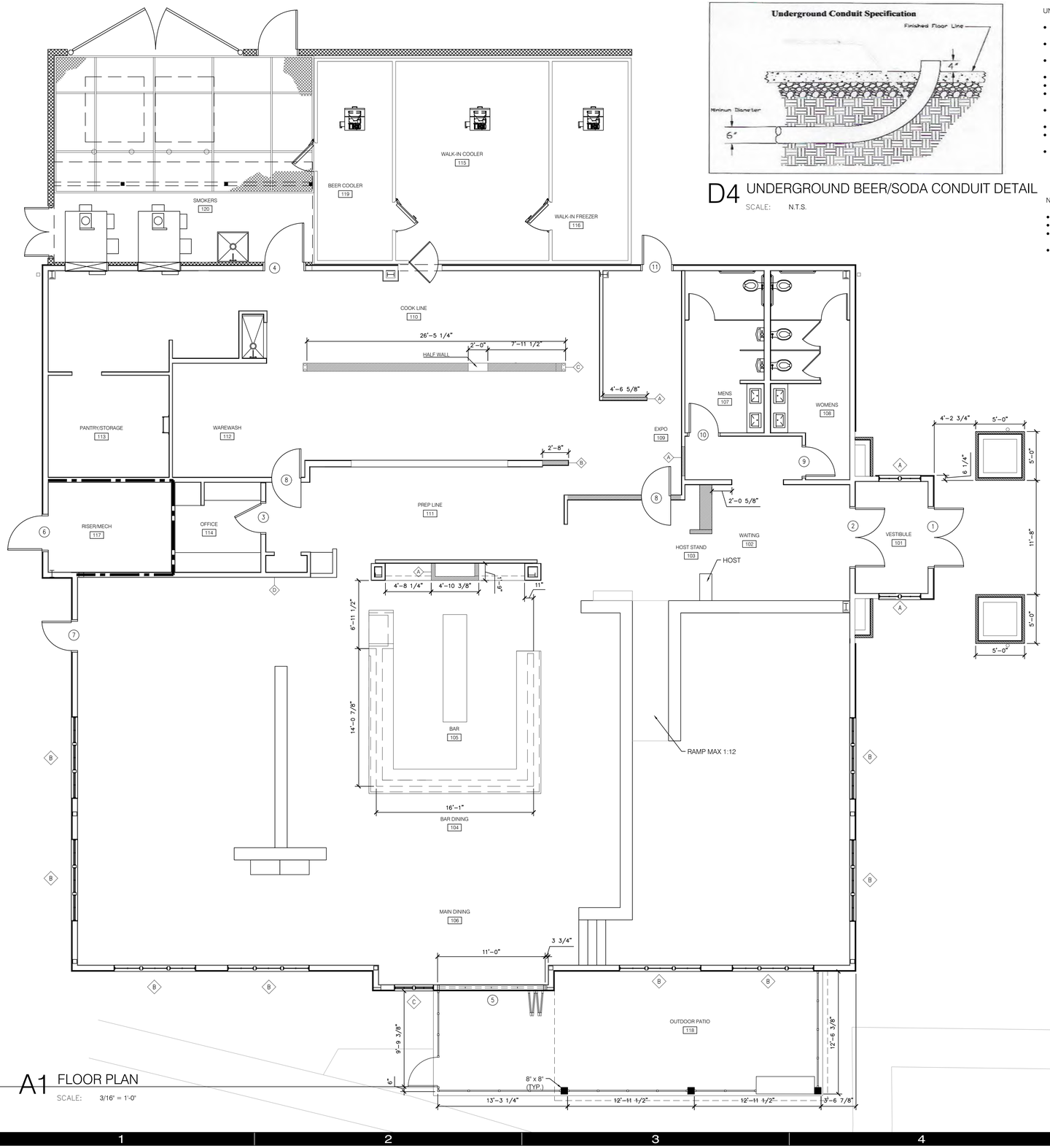


A1 FLOOR PLAN

SCALE: 3/16" = 1'-0"

D4 UNDERGROUND BEER/SODA CONDUIT DETAIL

SCALE: N.T.S.

UNDERGROUND BEER/SODA CONDUIT NOTES

- G.C. IS RESPONSIBLE TO COORDINATE INFORMATION WITH PLUMBERS AND FOUNDATION CONTRACTORS FOR INSTALLATION.
- PLUMBERS MUST USE 6" ELECTRICAL PVC PIPE THAT IS SEAMLESS ON INSIDE OF THE PIPE JOINTS.
- ALL JOINTS MUST BE SOLVENT CEMENTED IN ACCORDANCE WITH PVC MANUFACTURER'S RECOMMENDATIONS TO GUARANTEE A WATERTIGHT CHASE.
- ONLY ONE 90° ELECTRICAL SWEEP MAY BE USED AT EACH END OF THE CHASE.
- BACK TO BACK SWEEPS SWITCHING DIRCTIONS CANNOT BE USED.
- CONDUIT MUST BE CAPPED AND SEALED AT BOTH ENDS DURING CONSTRUCTION.
- INSTALLER MUST TRIM EXPOSED ENDS TO FOUR INCHES ABOVE FINISHED FLOOR DURING PRODUCT LINE INSTALLATION.
- THE SWEEPS MUST BE 90° ELECTRICAL SWEEPS AS SHOW IN ILLUSTRATION.
- AT NO TIME CAN YOU USE ANY STRAIGHT 90 DEGREE BENDS - THEY MUST BE SWEEPING.
- COORDINATE EXACT LOCATIONS WITH OWNER AND/OR EQUIPMENT PROVIDER PRIOR TO CONDUIT CHASE INSTALLATION.

NOTES:

- HATCHED WALLS DENOTE NEW WALL CONSTRUCTION
- KITCHEN TO HAVE ALL NEW WHITE FRP INSTALLED THROUGHOUT
- SMOKER ROOM TO HAVE STAINLESS STEEL WALL PANELS INSTALLED INSTEAD OF FRP.
- MECHANICAL/SPRINKLER ROOM TO HAVE NEW FRP OR APPROVED EQUAL INSTALLED

An exterior sweep must be used on all exterior doors.

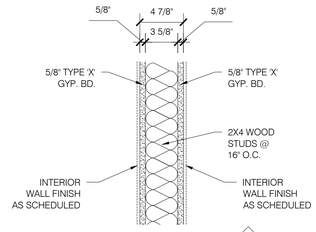
Floor transitions must be flush. Vinyl or rubber reducer strips not permitted in customer areas. May use metal terrazzo strips.

Any penetrations of or modifications to structural steel or concrete must be coordinated with on-site Mall Operations Manager.

All existing and new penetrations through rated walls shall be protected by an approved FRE stop system. See Mall Operations Manager.

Demising partitions must be of Firecode "X" Sheetrock, taped and sealed airtight to deck above.

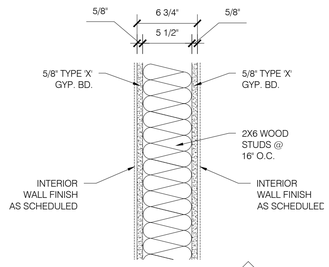
Waterproof membrane must be water tested and approved by On-Site Operations Manager.



D5 INTERIOR WALL TYPE A

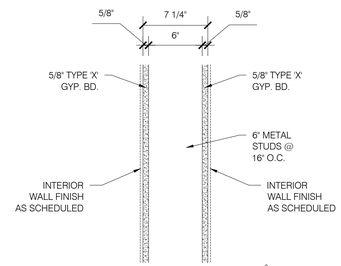
SCALE: 1-1/2" = 1'-0"

TYPICAL UNLESS OTHERWISE NOTED



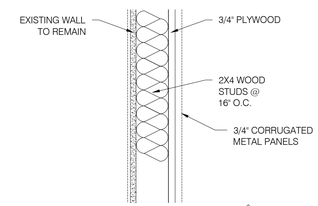
C5 INTERIOR WALL TYPE B

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



B5 INTERIOR WALL TYPE C

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



A5 INTERIOR WALL TYPE D

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

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

JEFF SPIKES
001.025992
REGISTERED ARCHITECT
STATE OF ILLINOIS

FLOOR PLAN

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET A2.01

DATE 11/11/22

Nov 11, 2022 - 12:32pm
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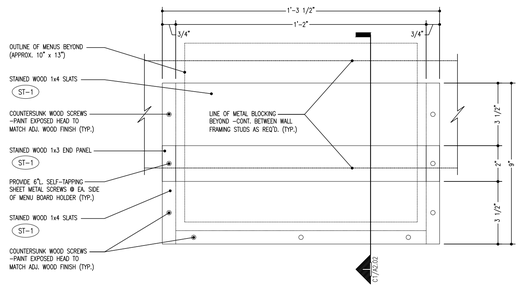
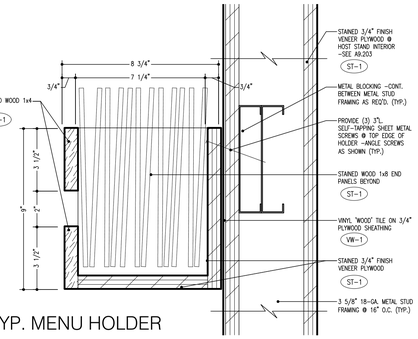


D1 TYP. MENU HOLDER

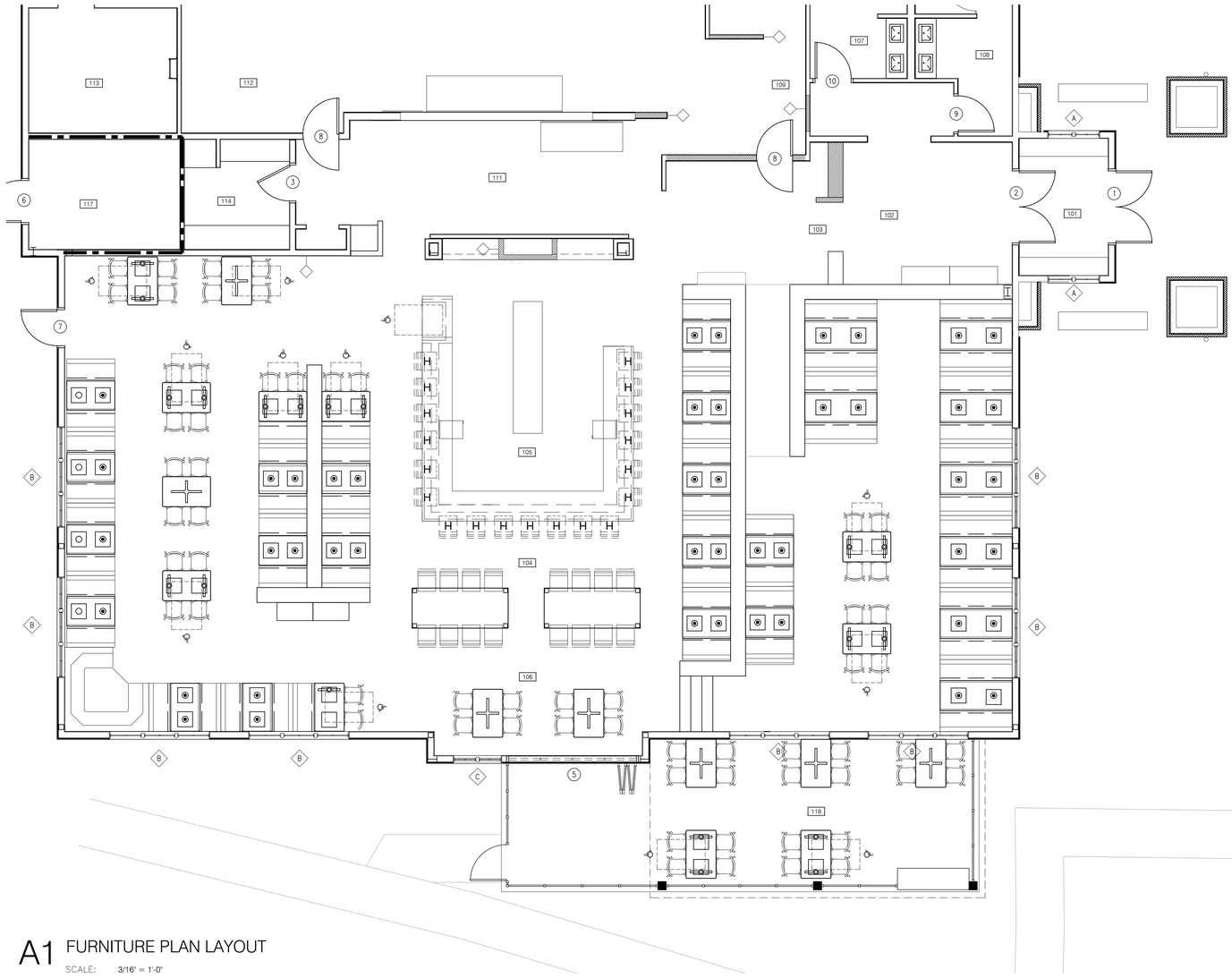
SCALE: 3" = 1'-0"

NOTE:
4 TOTAL MENU HOLDERS



D2 TYP. MENU HOLDER

SCALE: 3" = 1'-0"



A1 FURNITURE PLAN LAYOUT

SCALE: 3/16" = 1'-0"

MAIN DINING SEATING & TABLE SCHEDULE		
SEATING TYPE:	TABLES	SEATS
ONE'S	20	**20**
TWO'S	0	**0**
THREE'S	0	**0**
FOUR'S	29	**116**
FIVE'S	0	**0**
SIX'S	9	**54**
EIGHT'S	2	**16**
TOTALS:	**60**	**206**
SEATING RATIO:		**3.4**
5% ACCESSIBLE SEATING: (4 ADA Seats Req. for 51-60 Seats)		**10.3**
ACCESSIBLE SEATING: (REQUIRED TO ROUND UP)		11

PATIO SEATING & TABLE SCHEDULE		
SEATING TYPE:	TABLES	SEATS
ONE'S	0	**0**
TWO'S	0	**0**
THREE'S	0	**0**
FOUR'S	5	**20**
FIVE'S	0	**0**
SIX'S	0	**0**
EIGHT'S	0	**0**
TOTALS:	**5**	**20**
SEATING RATIO:		**4.0**
5% ACCESSIBLE SEATING: (4 ADA Seats Req. for 51-60 Seats)		**1.0**
ACCESSIBLE SEATING: (REQUIRED TO ROUND UP)		1

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF SPIKES
001.025992
STATE OF ILLINOIS

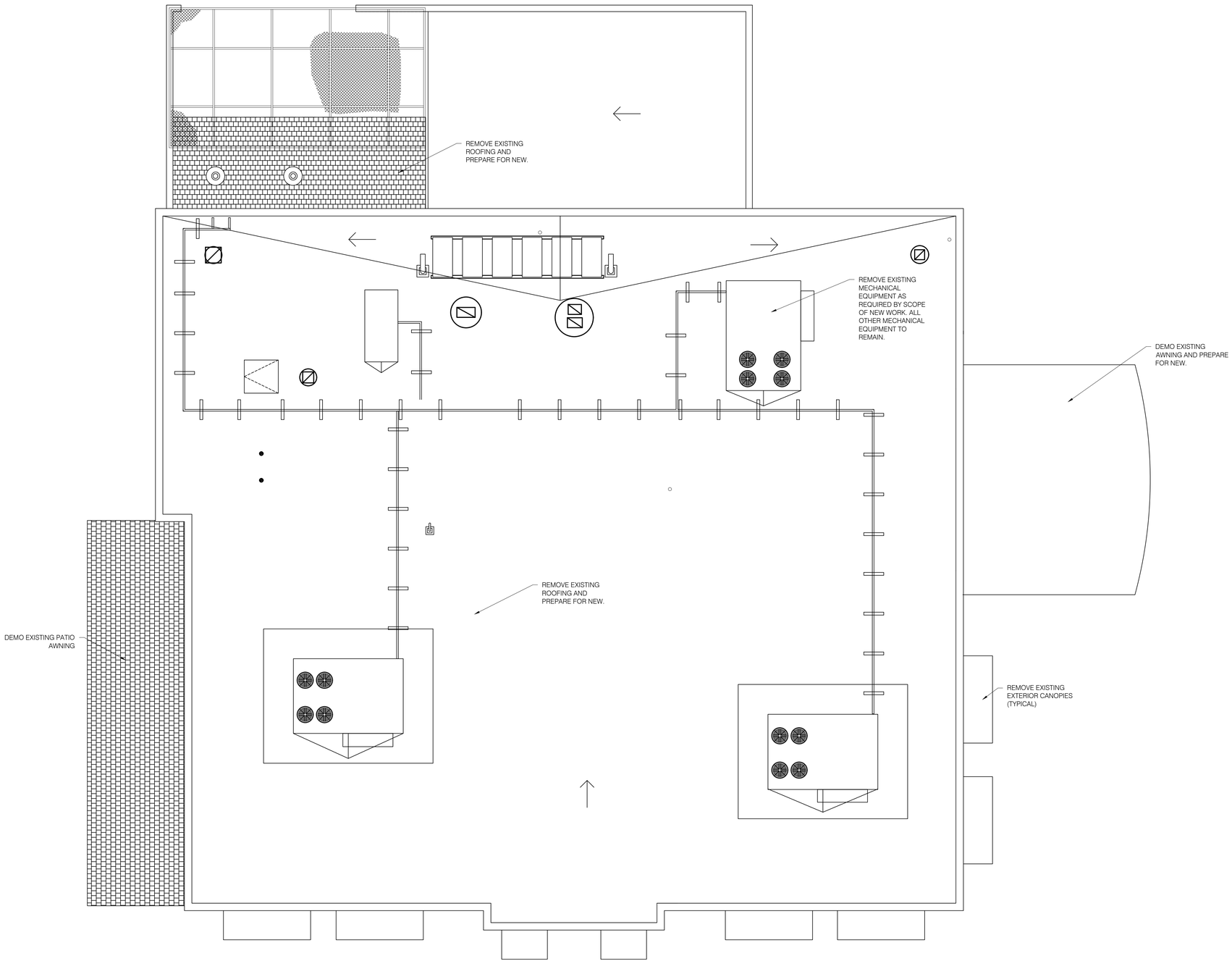
FURNITURE PLAN LAYOUT

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET A2.02

DATE 11/11/22



A1 DEMO ROOF PLAN

SCALE: 3/16" = 1'-0"

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF SPIKES
001.025992
STATE OF ILLINOIS

DEMO
ROOF PLAN

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET A2.03

DATE 11/11/22

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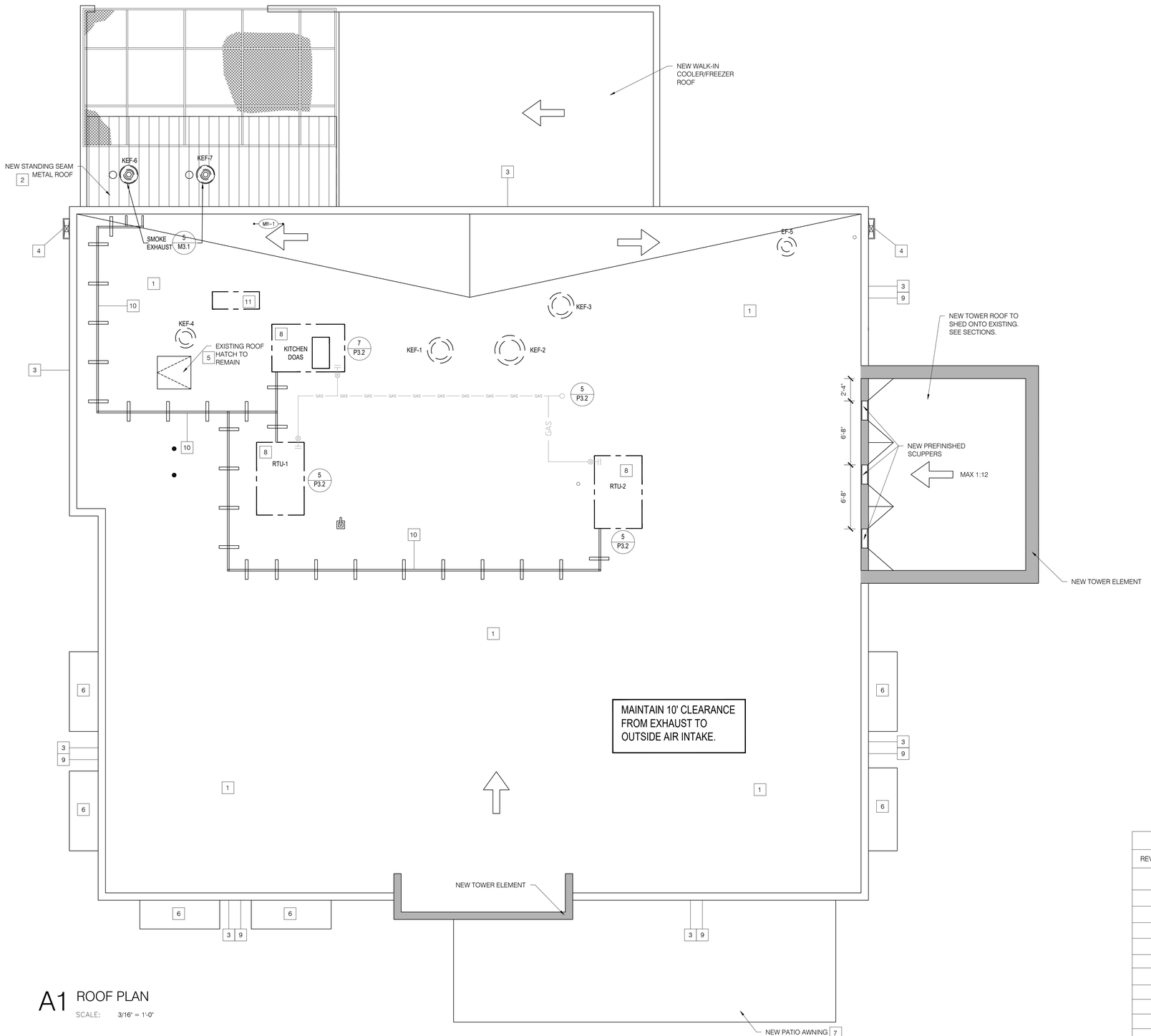

A1 ROOF PLAN

SCALE: 3/16" = 1'-0"

LEGEND	
MR-1	METAL ROOFING MANUFACTURER: PAC-CLAD MODEL #: 22 GAUGE 16" UL-90 COLOR: BLACK ALUMINUM FINISH: SMOOTH PANELS

KEY NOTES

REV	KEY	SPEC.	DESCRIPTION
	1		SINGLE PLY ROOFING MEMBRANE (DUROLAST OR APPROVED EQUIVALENT) OVER 4" RIGID INSULATION
	2		NEW STANDING SEAM METAL ROOF
	3		CONT. BREAK METAL PARAPET COPING (COLOR: DARK BRONZE TYP.)
	4		6" PREFINISHED ALUMINUM DOWNSPOUT
	5		EXISTING ROOF ACCESS HATCH TO REMAIN
	6		CANVAS AWNING. G.C. TO FIELD VERIFY DIMENSIONS PRIOR TO ORDERING/PRODUCTION.
	7		NEW METAL AWNINGS. G.C. TO FIELD VERIFY DIMENSIONS PRIOR TO ORDERING/PRODUCTION.
	8		NEW ROOF TOP UNIT (RTU)
	9		CONT. WALL SCREEN FRAME ANCHORED TO PARAPET WALL
	10		RTU CONDENSATE LINES. TERMINATE IN EXISTING DRAINAGE LOCATION
	11		NEW ICE CONDENSER. VERIFY MODEL # & INSTALLATION REQUIREMENTS W/ OWNER

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

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ROOF PLAN

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

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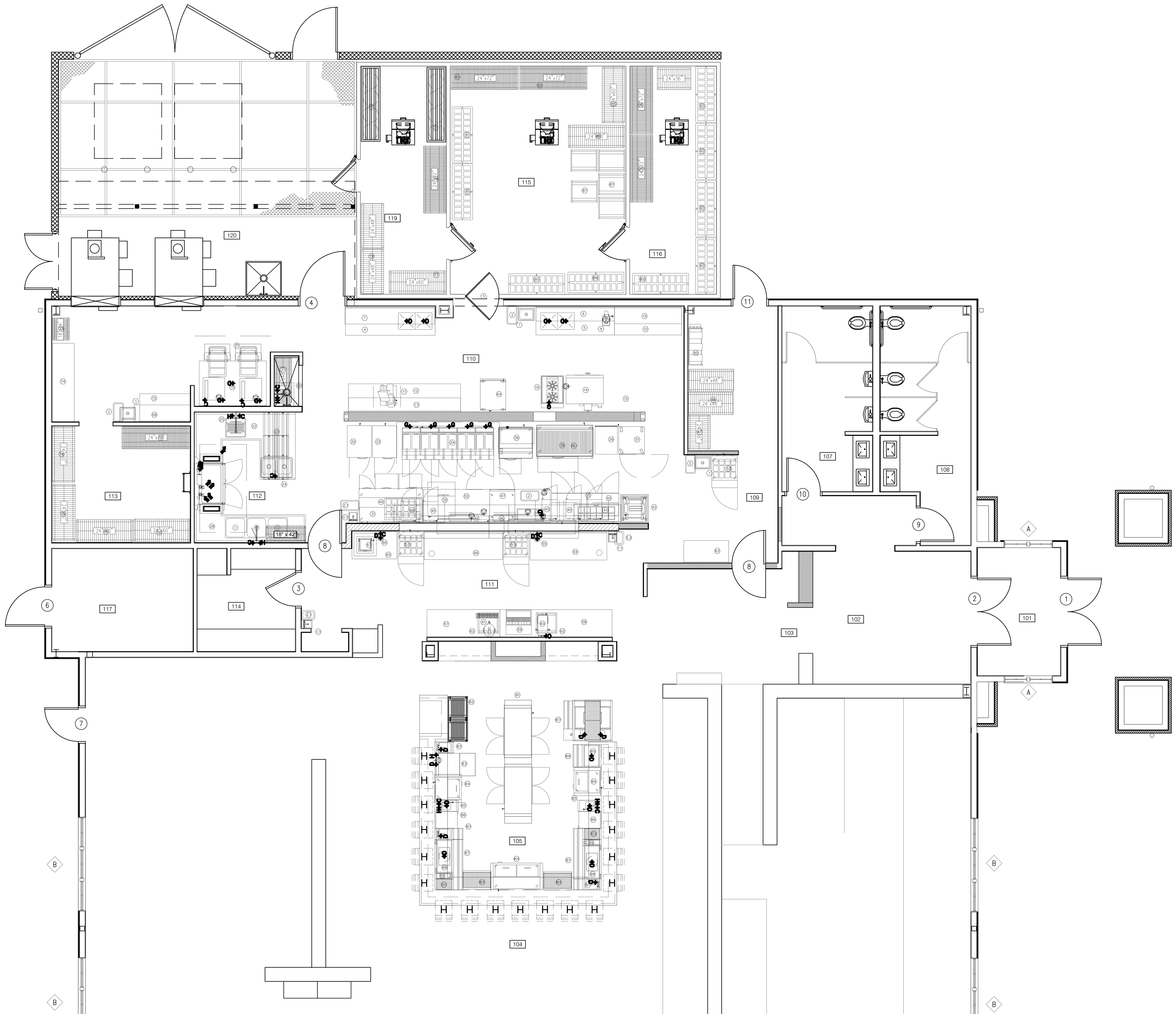
GENERAL NOTES

- SEE SHEET A2.08 KITCHEN EQUIPMENT SCHEDULE



A1 KITCHEN EQUIPMENT PLAN

SCALE: 3/16" = 1'-0"

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF
SPIKES
001.025992
STATE OF ILLINOIS

KITCHEN
EQUIPMENT
PLAN

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

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DATE 11/11/22

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GENERAL NOTES

1 ALL ELECTRICAL RECEPTACLES & JUNCTION BOXES SHOWN ARE RATED IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S SPECIFICATIONS.

2 ELECTRICAL SHOWN IS FOR FOOD SERVICE EQUIPMENT ONLY. ELECTRICAL SERVICE REQUIRED FOR ROOM LIGHTING, CONVENIENCE OUTLETS, & ETC. TO BE ADDITIONAL.

3 P.C. TO INSTALL FAUCETS, VACUUM BREAKERS, SOLENOID VALVES, SPRAY RINSES & DISPOSERS (FURNISHED BY F.F.E.C.).

4 P.C. TO FURNISH & INSTALL ALL TAILPIECES, TRAPS, SHUT-OFFS, LOOP VENTS, FLOOR DRAINS & FLOOR SINKS AS REQUIRED.

5 ALL HOT WATER IS 120 DEGREE UNLESS OTHERWISE NOTED.

6 FLOOR DRAINS SHOWN ARE FOR FOOD SERVICE EQUIPMENT ONLY. FLOOR DRAINS REQUIRED FOR GENERAL CLEANING & CODE REQUIREMENTS TO BE ADDITIONAL.

7 THIS DRAWING IS TO BE USED AS A GUIDE FOR FOOD SERVICE EQUIPMENT ELECTRICAL, PLUMBING & VENTILATION SPOT LOCATION. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR HIS/HER WORK TO BE INSTALLED IN ACCORDANCE WITH ALL FEDERAL, STATE & LOCAL CODES.

8 ALL DIMENSIONS ARE FROM FINISHED SURFACES TO CENTER LINE OF SPOT LOCATION UNLESS OTHERWISE NOTED.

9 ALL FOOD SERVICE EQUIPMENT SHALL BE FABRICATED & INSTALLED IN STRICT ACCORDANCE WITH THE NATIONAL SANITATION FOUNDATION (N.S.F.) & IN COMPLIANCE WITH STATE & LOCAL CODES.

10 ALL WALL RECEPTACLES TO BE FLUSH MOUNTED UNLESS OTHERWISE NOTED.

11 ALL FOOD SERVICE EQUIPMENT WITH DIRECT ELECTRICAL CONNECTION MUST BE IN LINE SIGHT OF KITCHEN ELECTRICAL DISTRIBUTION PANEL OR HAVE A FUSED QUICK DISCONNECT FURNISHED & INSTALLED BY E.C. E.C. TO FIELD VERIFY WHERE REQUIRED.

12 ALL SPOT LOCATIONS ARE SHOWN WHERE THEY ARE TO BE LOCATED ON EACH SIDE OF WALL. PRIMARY PLUMBING & ELECTRICAL SERVICE SHOULD BE ROUGHED IN ON CENTER LINE OF WALL.

13 E.C. TO PROVIDE GROUNDING WIRE TO ALL FOOD SERVICE EQUIPMENT IN ADDITION TO THE NUMBER OF WIRES NOTED IN INDIVIDUAL SERVICES.

14 ALL ELECTRICAL AMPERAGE NOTED INDICATES AMP "DRAW" & "NOT" CIRCUIT BREAKER SIZE UNLESS OTHERWISE NOTED. E.C. TO BE RESPONSIBLE FOR PROPER CIRCUIT BREAKER SIZING.

15 E.C. TO FURNISH & INSTALL GROUND FAULT RECEPTACLE OR FURNISH GROUND FAULT CIRCUIT BREAKER FOR ANY RECEPTACLE WITHIN THE KITCHEN.

16 FLOORS IN KITCHEN & SERVING AREAS TO BE "TRANSIT LEVEL". DO NOT SLOPE FLOOR TO FLOOR DRAINS IN THESE AREAS!!!

17 H.V.A.C. TO COOL, HEAT &/OR VENTILATE FOOD SERVICE DRY STORAGE ROOM TO MAINTAIN A TEMPERATURE OF 68 DEGREES TO 72 DEGREES YEAR AROUND.

18 G.C. TO FURNISH & INSTALL DUCT ENCLOSURE SHAFT AS REQUIRED BY CODE FOR EXHAUST HOOD EXHAUST DUCT.

19 VENTILATION SHOWN IS FOR FOOD SERVICE EQUIPMENT ONLY. H.V.A.C. TO PROVIDE FOR AIR DISTRIBUTION IN FOOD SERVICE AREA AS REQUIRED.

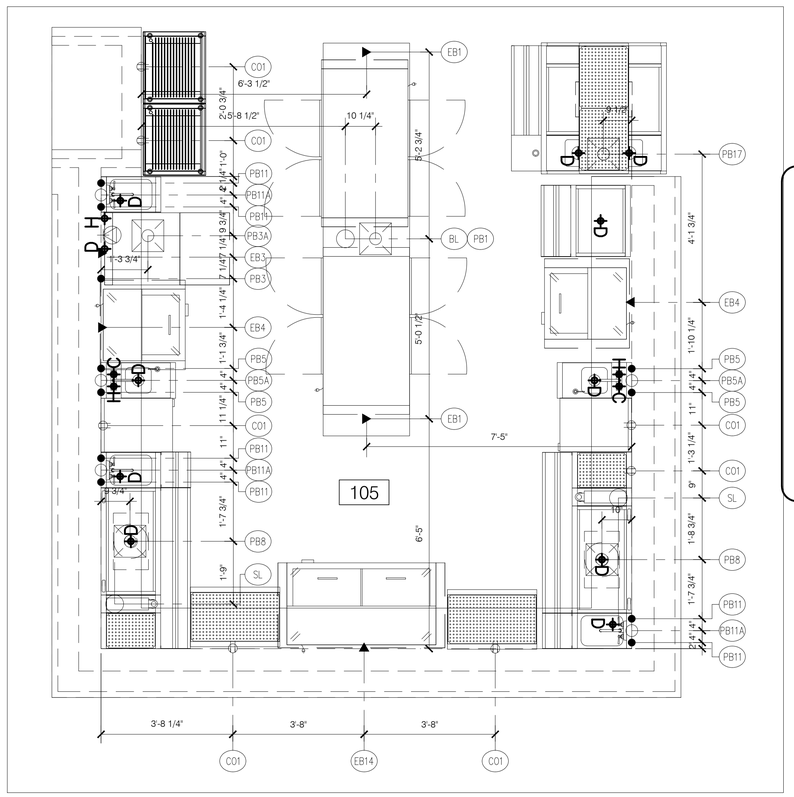
20 G.C. TO FURNISH & INSTALL ALL SLEEVES THRU WALLS AS REQUIRED FOR F.F.E.C. TO RUN REFRIGERATION LINES FROM WALK-IN COOLER/FREEZER COILS TO WALK-IN COOLER/FREEZER COMPRESSORS. SLEEVES TO BE LOCATED IN FIELD BY F.F.E.C. G.C. TO PROVIDE & INSTALL ALL CONCRETE SLABS REQUIRED FOR WALK-IN COOLER/FREEZER COMPRESSORS AS LOCATED BY THE ARCHITECT.

21 E.C. TO EXTEND & PROVIDE ALL FINAL ELECTRICAL HOOK UP & DISCONNECTS & INSTALL LIGHTS IN WALK IN COOLER/FREEZER UNIT. E.C. TO PROVIDE SEAL-OFFS AT EACH CONDUIT ENTRANCE & SEAL WITH SILICONE AT EACH JUNCTION BOX.

22 E.C. TO PROVIDE & INSTALL SHUNT TRIP BREAKERS FOR ALL ELECTRICAL SERVICE TO EQUIPMENT UNDER EXHAUST HOODS.

23 P.C. TO PROVIDE & INSTALL ALL 12" X 12"xX 8" FLOOR SINKS WITH HALF GRATE. ALL FLOOR SINKS TO BE MOUNTED IN FLOOR SUCH THAT THE TOP OF THE RIM WILL BE FLUSH WITH FINISHED FLOOR ELEVATION. FLOOR SINKS ALSO TO SERVE AS AREA FLOOR DRAINS.

24 ALL WATER LINES MOUNTED ALONG EXTERIOR WALLS ARE TO STUBBED-UP ALONG THE INTERIOR FACE OF THE WALL TO AVOID POTENTIAL FREEZING UNLESS OTHERWISE NOTED.



B1 BAR ROUGH-IN PLAN

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

ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR
D.F.A.	DROP FROM ABOVE
AMPS	AMPERAGE
KW	KILOWATTS
V	VOLTS
PH	PHASE
H.P.	HORSE POWER
EPS	EMERGENCY PULL STATION
F.F.E.C.	FOODSERVICE FACILITY EQUIPMENT CONTRACTOR
G.C.	GENERAL CONTRACTOR
E.C.	ELECTRICAL CONTRATOR
P.C.	PLUMBING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR

SYMBOL LEGEND

- ELECTRICAL SERVICE
- ELECTRICAL (DROP FROM ABOVE)
- EMERGENCY PULL STATION
- WATER SERVICE
- DIRECT WASTE
- FLOOR DRAIN
- FLOOR SINK
- GAS SERVICE

ROUGH-IN NOTES

KITCHEN EQUIPMENT ELECTRICAL ROUGH-IN NOTES:

C0 120V-1PH 16 AMP DUPLEX RECP. @ (+48" A.F.F.) FOR "CONVENIENCE OUTLET".

C01 120V-1PH 16 AMP DUPLEX RECP. @ (+40" A.F.F.) UNDER BAR TOP FOR "CONVENIENCE OUTLET".

ESL 120V-1PH 16 AMP DUPLEX RECP. @ (+72" A.F.F.) FOR SODA SYSTEM. THIS ITEM IS NOT PART OF THIS CONTRACT AND IS TO BE SUPPLIED AND INSTALLED BY VENDOR. ROUGH-INS SHOWN FOR COORDINATION PURPOSES ONLY.

E3 (DROP FROM ABOVE) (4 LOCATIONS) 120V-1PH SERVICE TO (+106" A.F.F.) E.C. TO CONNECT TO JUNCTION BOX ON TOP OF WALK-IN COOLER/FREEZER (ITEM #3). E.C. TO EXTEND FROM JUNCTION BOX TO K.E.C. FURNISHED LIGHTS AS REQUIRED. LOCATION AND QUANTITY OF LIGHTS TO BE VERIFIED WITH MANUFACTURER'S SHOP DRAWINGS. E.C. TO WIRE PERIMETER DOOR HEATER (SEE GENERAL NOTES 20 & 21). E.C. TO PROVIDE AND EXTEND ALL FINAL ELECTRICAL HOOK-UPS AND DISCONNECTS. ALL WIRING AND CONDUIT SHALL BE INSTALLED ABOVE AND ON THE OUTSIDE OF THE UNIT CEILING. ALL PENETRATIONS THRU WALLS AND CEILING ARE TO BE EQUIPPED WITH "SEAL-OFFS" AND SEALED WITH SILICONE AT EACH JUNCTION BOX. SHALL PROVIDE E.C. WITH A SUFFICIENT NUMBER OF LIGHT FIXTURES TO PROVIDE A MINIMUM OF SEVENTY (70) FOOT CANDLES OF LIGHT INTENSITY MEASURED AT 30" A.F.F. AT ANY POINT IN THE COMPARTMENT. APPROXIMATELY ONE (1) 100 WATT LIGHT FIXTURE PER FIFTY (50) SQUARE FEET (NOT INCLUDING LIGHT FIXTURE ABOVE DOOR). REFER TO MANUFACTURER'S SHOP DRAWINGS FOR ALL FINAL LOCATIONS AND REQUIREMENTS.

E3A (DROP FROM ABOVE) 208V-1PH SERVICE TO (+96" A.F.F.) WALK-IN FREEZER COIL (ITEM #3A). E.C. TO RUN FOUR (4) WIRES FROM TIME CLOCK ON FREEZER COMPRESSOR (ITEM #30) FOR FAN OPERATION, DEFROST AND DRAIN LINE HEATER. E.C. TO FIELD VERIFY LOCATION. REFER TO MANUFACTURER'S SHOP DRAWINGS FOR ALL FINAL LOCATIONS AND REQUIREMENTS. (SEE GENERAL NOTES 20 & 21).

E3B (DROP FROM ABOVE) 120V-1PH SERVICE TO (+96" A.F.F.) WALK-IN COOLER COIL (ITEM #3B). E.C. TO RUN TWO (2) CONTROL WIRES FROM COOLER COIL (ITEM #3B) TO THERMOSTAT ON COOLER COMPRESSOR (ITEM #3E). E.C. TO FIELD VERIFY LOCATION. REFER TO MANUFACTURER'S SHOP DRAWINGS FOR ALL FINAL LOCATIONS AND REQUIREMENTS. (SEE GENERAL NOTES 20 & 21).

E3C (DROP FROM ABOVE) 120V-1PH SERVICE TO (+96" A.F.F.) WALK-IN BEER COOLER COIL (ITEM #3C). E.C. TO RUN TWO (2) CONTROL WIRES FROM COOLER COIL (ITEM #3C) TO THERMOSTAT ON COOLER COMPRESSOR (ITEM #3F). E.C. TO FIELD VERIFY LOCATION. REFER TO MANUFACTURER'S SHOP DRAWINGS FOR ALL FINAL LOCATIONS AND REQUIREMENTS. (SEE GENERAL NOTES 20 & 21).

E3D 208V-1PH 3-1/2 H.P. SERVICE TO WALK-IN FREEZER COMPRESSOR (ITEM #3D). E.C. TO EXTEND TO K.E.C. FURNISHED FUSED DISCONNECT SWITCH. E.C. TO VERIFY LOCATION. REFER TO MANUFACTURER'S SHOP DRAWINGS FOR ALL FINAL LOCATIONS AND REQUIREMENTS. (SEE GENERAL NOTES 20 & 21).

E3E 208V-1PH 1 H.P. SERVICE TO WALK-IN COOLER COMPRESSOR (ITEM #3E). E.C. TO EXTEND TO K.E.C. FURNISHED FUSED DISCONNECT SWITCH. E.C. TO FIELD VERIFY LOCATION. REFER TO MANUFACTURER'S SHOP DRAWINGS FOR ALL FINAL LOCATIONS AND REQUIREMENTS. (SEE GENERAL NOTES 20 & 21).

E3F 208V-1PH 1-1/2 H.P. SERVICE TO WALK-IN BEER COOLER COMPRESSOR (ITEM #3F). E.C. TO EXTEND TO K.E.C. FURNISHED FUSED DISCONNECT SWITCH. E.C. TO FIELD VERIFY LOCATION. REFER TO MANUFACTURER'S SHOP DRAWINGS FOR ALL FINAL LOCATIONS AND REQUIREMENTS. (SEE GENERAL NOTES 20 & 21).

E9 120V-1PH 1 H.P. 7 AMP RECP. @ (+48" A.F.F.) FOR FOOD PROCESSOR (ITEM #9).

E12 120V-1PH 1/3 H.P. 4.8 AMP RECP. @ (+48" A.F.F.) FOR SLICER (ITEM #12).

E14 (2 LOCATIONS) 120V-1PH 7.7 AMP RECP. @ (+18" & +36" A.F.F.) FOR DOUBLE DECK CONVECTION OVEN (ITEM #14).

E15 208V-3PH 9 KW 12 AMP SERVICE @ (+18" A.F.F) E.C TO EXTEND TO RETHERMALIZER (ITEM #15). (SEE GENERAL NOTES 11,12,13,14 & 15).

E26 208V-1PH 2 HP 5 KW 43 AMP SERVICE @ (+60" A.F.F.) E.C. TO EXTEND TO DISHMACHINE (ITEM #26) TANK HEAT & MOTOR CONNECT. (SEE GENERAL NOTES 11,12,13,14 & 15). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.

E31 208V-1PH 3.6 KW SERVICE @ (+66" A.F.F.) E.C. TO EXTEND TO CHEESEMELTER (ITEM #31). (SEE GENERAL NOTES 11,12,13,14 & 15).

E32 120V-1PH 1/3 H.P. 6.3 AMP RECP. @ (+18" A.F.F.) FOR FREEZER (ITEM #32).

E33 120V-1PH 1/4 H.P. 5.2 AMP RECP. @ (+18" A.F.F.) FOR REFRIGERATOR (ITEM #33).

E34 (2 LOCATIONS) 120V-1PH 1.7 AMP SERVICE @ (+18" A.F.F.) E.C. TO EXTEND TO FRYER BATTERY (ITEM #34). (SEE GENERAL NOTES 11,12,13,14 & 15).

E34A 120V-1PH 1/3 H.P. 7 AMP SERVICE @ (+18" A.F.F.) E.C. TO EXTEND TO FRYER FILTER (ITEM #34). (SEE GENERAL NOTES 11,12,13,14 & 15).

E35 120V-1PH .95 KW 8 AMP RECP. @ (+24" A.F.F.) FOR WARMING DRAWER (ITEM #35).

E36 120V-1PH 1/5 H.P. 2.5 AMP RECP. @ (+18" A.F.F.) FOR REFRIGERATED GRIDDLE STAND (ITEM #33).

E37 208V-1PH 3.6 KW SERVICE @ (+66" A.F.F.) E.C. TO EXTEND TO CHEESEMELTER (ITEM #37). (SEE GENERAL NOTES 11,12,13,14 & 15).

E38 120V-1PH 1/4 H.P. 4.2 AMP RECP. @ (+18" A.F.F.) FOR REFRIGERATED BROLER STAND (ITEM #38.1).

E40 (5 LOCATIONS) 208V-1PH 3 KW 20 AMP RECP. @ (+72" A.F.F.) FOR MICROWAVE OVEN (ITEM #40).

E42 208V-1PH 2.6 KW 12.5 AMP SERVICE @ (+48" A.F.F.) E.C. TO EXTEND TO CONVEYOR TOASTER (ITEM #38). (SEE GENERAL NOTES 11,12,13,14 & 15).

E45 120V-1PH 1.65 KW 13.75 AMP SERVICE @ (+24" A.F.F.) E.C. TO EXTEND TO HOT FOOD WELL (ITEM #45). (SEE GENERAL NOTES 11,12,13,14 & 15).

E46 (2 LOCATIONS) 120V-1PH .35 KW SERVICE @ (+72" A.F.F.) E.C. TO EXTEND TO OVERHEAD HEAT LAMP (ITEM #46). (SEE GENERAL NOTES 11,12,13,14 & 15).

E47 120V-1PH 1.692 KW 14.1 AMP RECP. @ (+18" A.F.F.) FOR WARMING CABINET (ITEM #47).

E48 (2 LOCATIONS) 120V-1PH .35 KW SERVICE @ (+72" A.F.F.) E.C. TO EXTEND TO OVERHEAD HEAT LAMP (ITEM #48). (SEE GENERAL NOTES 11,12,13,14 & 15).

E51 120V-1PH 2.192 KW 18.3 AMP RECP. @ (+18" A.F.F.) FOR HEATED CABINET (ITEM #51).

E52 120V-1PH 1/3 H.P. 7.0 AMP RECP. @ (+18" A.F.F.) FOR REFRIGERATED PREP TABLE (ITEM #52).

E53 (3 LOCATIONS) 120V-1PH 1/5 H.P. 2.46 AMP RECP. @ (+18" A.F.F.) FOR REFRIGERATED PREP TABLE (ITEM #53).

E59 120V-1PH 15 AMP RECP. @ (+24" A.F.F.) FOR SODA DISPENSER (ITEM #59). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.

E60 120V-1PH 1.67 KW 14 AMP SERVICE @ (+48" A.F.F.) E.C. TO EXTEND TO COFFEE MAKER (ITEM #60). (SEE GENERAL NOTES 11,12,13,14 & 15). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.

E64 120V-1PH 1.44 KW 12 AMP RECP. @ (+18" A.F.F.) FOR HEATED CABINET (ITEM #64).

E67 120V-1PH 1/4 H.P. 3.5 AMP RECP. @ (=18" A.F.F.) FOR ICE CREAM DIPPING CABINET (ITEM #67).

E70 (2 LOCATIONS) 120V-1PH SERVICE @ (+72" A.F.F.) E.C. TO EXTEND TO ICE MAKER (ITEM #70). (SEE GENERAL NOTES 11,12,13,14 & 15).

E70A 208V-3PH 14 AMP SERVICE (VERIFY LOCATION) E.C. TO EXTEND TO ICE MAKER COMPRESSOR (ITEM #70A). (SEE GENERAL NOTES 11,12,13,14 & 15).

BAR EQUIPMENT ELECTRICAL ROUGH-IN NOTES:

EB1 (2 LOCATIONS) (STUB-UP) 120V-1PH 1/4 H.P. 3.7 AMP FLUSH MOUNTED RECP.FOR BACK BAR COOLER (ITEM #B1).

EB3 120V-1PH 1 H.P. 12 AMP RECP. @ (+24" A.,F.F.) FOR GLASS WASHER (ITEM #B3). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.

EB4 (2 LOCATIONS) 120V-1PH 1/5 H.P. 5.4 AMP RECP. @ (+18" A.F.F.) FOR BOTTLE COOLER (ITEM #11).

EB14 120V-1PH 1/4 H.P. 3.7 AMP RECP. @ (+18" A.F.F.) FOR BACK BAR COOLER (ITEM #B14).

K1 P.C. TO INSTALL K.E.C. FURNISHED MECHANICAL GAS SHUT-OFF VALVE IN MAIN GAS SUPPLY LINE IN ACCESSIBLE LOCATION PRIOR TO BRANCHING GAS SERVICE TO EQUIPMENT. P.C. TO VERIFY GAS LINE SIZE PER VALVE.

KITCHEN EQUIPMENT PLUMBING ROUGH-IN NOTES:

G14 3/4" NPT 100,000 BTU SERVICE @ (+24" A.F.F.) P.C. TO EXTEND TO DOUBLE DECK CONVECTION OVEN MANIFOLD (ITEM #14). THRU F.F.E.C. FURNISHED QUICK DISCONNECT.

G16 3/4" NPT 52,000 BTU SERVICE @ (+24" A.F.F.) P.C. TO EXTEND TO HOT PLATE (ITEM #16). THRU F.F.E.C. FURNISHED QUICK DISCONNECT.

G34 1-1/4" NPT MANIFOLD 476,000 BTU SERVICE @ (+24" A.F.F.) P.C. TO EXTEND TO FRYER BATTERY (ITEM #34).

G34A 1" NPT MANIFOLD 294,000 BTU SERVICE @ (+24" A.F.F.) P.C. TO EXTEND TO FRYER BATTERY (ITEM #34).

G36 3/4" NPT 100,000 BTU SERVICE @ (+24" A.F.F.) P.C. TO EXTEND TO GRIDDLE (ITEM #36). THRU F.F.E.C. FURNISHED QUICK DISCONNECT.

G38 3/4" NPT 187,000 BTU SERVICE @ (+24" A.F.F.) P.C. TO EXTEND TO CHARBROILER (ITEM #38). THRU F.F.E.C. FURNISHED QUICK DISCONNECT.

PSL 1/2" COLD WATER @ (+60" A.F.F.) FOR SODA SYSTEM. ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.

PSLA FLOOR DRAIN FOR SODA SYSTEM. ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.

P1 (5 LOCATIONS) 1/2" 120 DEG. HOT AND COLD WATER @ (+18" A.F.F.). P.C. TO EXTEND TO FAUCET MOUNTED ON HAND SINK (ITEM #1).

P1A (5 LOCATIONS) 1-1/2" WASTE @ (+15" A.F.F.) P.C. TO EXTEND DRAIN FROM HAND SINK (ITEM #1) TO THIS POINT.

P3 (2 LOCATIONS) FLOOR DRAIN. P.C TO EXTEND CONDENSATE DARIN LINE FROM WALK-IN COOLER/FREEZER (ITEM #9) TO THIS POINT. (SEE GENERAL NOTE 4).

P4 1/2" HOT AND COLD WATER @ (+18" A.F.F.) P.C. TO EXTEND TO FAUCET MOUNTED ON PREP TABLE (ITEM #4).

P4A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANIFOLD (2) DRAIN LINES FROM SINK MOUNTED ON PREP TABLE (ITEM #4) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).

P5 1/2" HOT AND COLD WATER @ (+18" A.F.F.) P.C. TO EXTEND TO FAUCET MOUNTED ON PREP TABLE (ITEM #5).

P5A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANIFOLD (2) DRAIN LINES FROM SINK MOUNTED ON PREP TABLE (ITEM #5) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).

P15 1/2" COLD WATER @ (+12" A.F.F.) P.C. TO EXTEND TO RETHERMALIZER (ITEM #15).

P15A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM RETHERMALIZER (ITEM #15) TO THIS POINT. (SEE GENERAL NOTE 4).

P20 1/2" HOT AND COLD WATER @ (+36" A.F.F.) P.C. TO EXTEND TO WALL MOUNTED FAUCET FOR MOP SINK (ITEM #20)

P20A (STUB-UP) 3" WASTE TRAPPED BELOW FLOOR. P.C. TO EXTEND TO DRAIN IN MOP SINK (ITEM #20).

P22 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM SOILED DISHTABLE (ITEM #22). AND DISHWASHER (ITEM #26) TO THIS POINT. (SEE GENERAL NOTE 4).

P24 (STUB-UP) 1/2" COLD WATER. P.C. TO EXTEND TO SOAK SINK FAUCET (IT3M #24) MOUNTED ON SOILED DISHTABLE (ITEM #22).

P25 1/2" HOT AND COLD WATER @ (+18" A.F.F.) P.C. TO EXTEND TO FAUCET (ITEM #25) MOUNTED ON SOILED DISHTABLE (ITEM #22).

P26 1/2" HOT WATER @ (+50" A.F.F.) P.C. TO EXTEND TO DISHWASHER (ITEM #26).

P27 1/2" HOT AND COLD WATER @ (+12" A.F.F.). P.C. TO EXTEND TO FAUCET MOUNTED ON POT AND PAN SINK (ITEM #27).

P27A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANIFOLD (3) DRAIN LINES FROM POT AND PAN SINK (ITEM #27) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).

P45 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM HOT FOOD WELL (ITEM #45) TO THIS POINT. (SEE GENERAL NOTE 4).

P59 1/2" COLD WATER @ (+48" A.F.F.) P.C. TO EXTEND TO SODA DISPENSER (ITEM #59). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS. VERIFY LOCATION WITH PROVIDER.

P59A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM SODA DISPENSER (ITEM #59) TO THIS POINT. ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS VERIFY LOCATION WITH PROVIDER. P.C. TO EXTEND DRAIN LINE FROM TROUGH DRAIN ON BEVERAGE TABLE (ITEM #57) TO THIS POINT. (SEE GENERAL NOTE 4).

P60 1/2" COLD WATER @ (+48" A.F.F.) P.C. TO EXTEND TO COFFEE BREWER (ITEM #60). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS. VERIFY LOCATION WITH PROVIDER.

P66 (2 LOCATIONS) 1/2" COLD WATER @ (+24" A.F.F.) P.C. TO EXTEND TO DIPPER WELL FAUCET (ITEM 66).

P66A (2 LOCATIONS) 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM DIPPER WELL (ITEM #66) TO THIS POINT. (SEE GENERAL NOTE 4).

P67 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM ICE CREAM DIPPING CABINET (ITEM #67) TO THIS POINT. (SEE GENERAL NOTE 4).

P70 1/2" COLD WATER @ (+66" A.F.F.) P.C. TO EXTEND TO ICE MACHINE (ITEM #70). THRU F.F.E.C. FURNISHED WATER FILTER.

P70A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM ICE BIN (ITEM #70) TO THIS POINT. (SEE GENERAL NOTE 4).

BAR EQUIPMENT PLUMBING ROUGH-IN NOTES:

SL (2 LOCATIONS) (STUB-UP) 6" PVC CHASE FOR SODA LINES. ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS. VERIFY LOCATION WITH PROVIDER.

BL (STUB-UP) 6" PVC CHASE FOR BEER LINES. ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS. VERIFY LOCATION WITH PROVIDER.

PB1 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM BEER TROUGH MOUNTED ON BACK BAR COOLER (ITEM #B1) TO THIS POINT. (SEE GENERAL NOTE 4).

PB3 1/2" HOT WATER @ (+15" A.F.F.) P.C. TO EXTEND TO GLASS WASHER (ITEM #B3). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.

PB3A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM GLASS WASHER (ITEM #B3) TO THIS POINT. (SEE GENERAL NOTE 4). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.

PB5 (2 LOCATIONS) 1/2" 120 DEG. HOT AND COLD WATER @ (+12" A.F.F.) P.C. TO EXTEND TO UNDERBAR HAND SINK (ITEM #B5)

PB5A (2 LOCATIONS) 1-1/2" WASTE @ (+10" A.F.F.) P.C. TO EXTEND TO UNDERBAR HAND SINK (ITEM #B5).

PB8 (2 LOCATIONS) 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM UNDERBAR ICE BIN (ITEM #B8) AND DRAIN BOARD (ITEM #B12) TO THIS POINT. (SEE GENERAL NOTE 4).

PB11 (2 LOCATIONS) 1/2" 120 DEG. HOT AND COLD WATER @ (+12" A.F.F.) P.C. TO EXTEND TO UNDERBAR HAND SINK (ITEM #B11)

PB11A (2 LOCATIONS) 1-1/2" WASTE @ (+10" A.F.F.) P.C. TO EXTEND TO UNDERBAR HAND SINK (ITEM #B11).

PB17 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM PASS-THRU COCKTAIL STATION (ITEM #B17) AND UNDERBAR ICE BIN (ITEM #B15) TO THIS POINT. (SEE GENERAL NOTE 4).

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF SPIKES
001.025992
STATE OF ILLINOIS

BAR ROUGH-IN PLAN

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET A2.06

DATE 11/11/22

Nov 11, 2022 - 12:52pm
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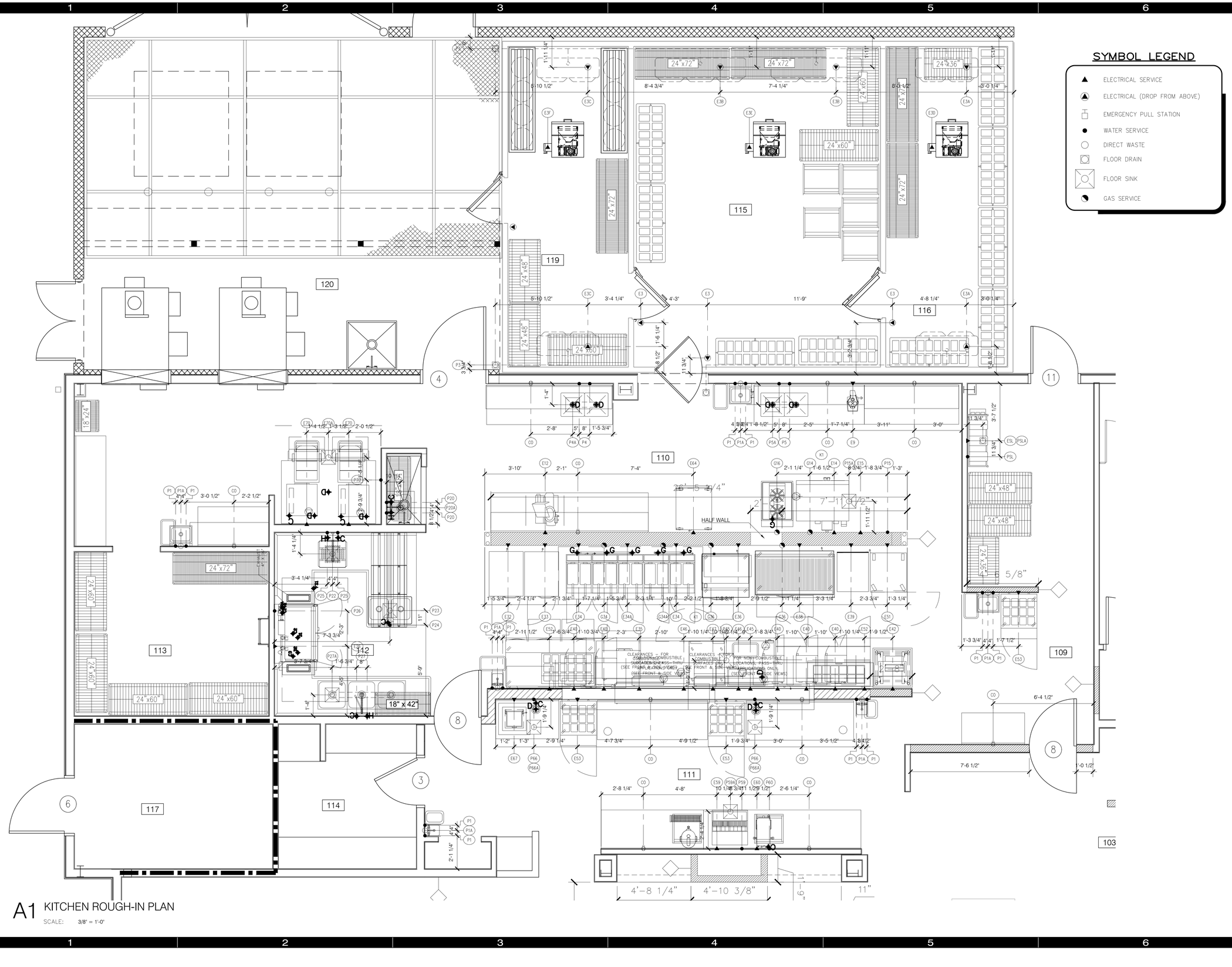

A1 KITCHEN ROUGH-IN PLAN

SCALE: 3/8" = 1'-0"

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF SPIKES
001.025992
STATE OF ILLINOIS

KITCHEN ROUGH-IN PLAN

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET A2.07

DATE 11/11/22

Nov 11, 2022 - 12:32pm
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EQUIPMENT SCHEDULE

Item No	Qty	Equipment Category
1	3	Hand sink w/B-1115-132xaw4k
1.1	3	Sink, Hand, Wall Mount
2	6	Trash Can
2.2	2	Trash Can
3	1	Walk In Combo Unit
4	1	Work Table
5	1	Work Table
6	1	Shelf, Wall Mount
6.1	1	Shelf, Wall Mount
7	1	Shelf, Wall Mount
7.1	1	Shelf, Wall Mount
9	1	Food Processor
10	1	Work Table
11	1	Work Table
12	1	Slicer, Food
13	1	Shelf, Wall Mount
13.1	1	Shelf, Wall Mount
14	1	Oven, Convection, Gas
15	1	Electric Retherm Unit
16	1	Hot Plate, Gas
16.1	1	Stand, Mixer
18	1	Shelf, Wall Mount
19	1	Shelf, Wall Mount
20	1	Sink, Mop
20.1	1	Faucet, Service Sink
21	1	Shelving, Wire
21.1	1	Shelving, Wire
22	1	Dishtable, 'U' Shape
23	1	Dishtable, Sorting Shelf
24	1	Faucet, Deck Mount
25	1	Pre-Rinse Faucet, Wall Mount
26	1	Warewasher, Rack Conveyor
27	1	Dishtable, 'L' Shape, 16 gauge
27.1	1	Pre-Rinse Faucet, Wall Mount
28	1	Shelving, Wire
28.1	1	Shelving, Wire
30	1	Chesse Melter STAND
31	1	Cheesemelter, Electric
32	1	Freezer, Reach-In
33	1	Refrigerator, Reach-In
34	1	Fryer Battery, Deep Fat, Gas w/Filter
35	1	Warmer, Drawer Type
36	1	Griddle, Gas
36.1	1	Griddle Stand, Refrigerator
37	1	Cheesemelter, Electric, with shelf
38	1	Broiler, Under-Fired, Gas, Counter
38.1	1	Griddle Stand, Refrigerator
39	1	Work Table
40	5	Oven, Microwave
41	2	Shelf, Wall Mount
42	1	Stand, Equipment
42.1	1	Toaster, Conveyor
45	1	Drop-In, Hot Wells
46	2	Warmer, Food Overhead
47	1	Holding Cabinet, Heated
48	2	Warmer, Food Overhead
49	1	16' double pass thru shelf
50	1	chef table
51	1	Holding Cabinet, Humidified Heated
52	1	Refrigerator, Sandwich/Salad Prep
53	2	Refrigerator, Sandwich/Salad Prep
53.1	1	Refrigerator, Sandwich/Salad Prep
54	1	Table, Enclosed Base, Open Front
55	1	Table, Enclosed Base, Open Front
57	1	Table, Enclosed Base, Open Front
58	1	Table, Enclosed Base, Open Front
59	1	Dispenser, Beverage/Carbonated
60	1	Coffee/Tea Brewer
61	1	Dispenser, Ice Tea/Ice Coffee
62	4	Dolly, Glass Rack
63	1	Work Table
64	1	Cabinet, Holding/Proofing
65	1	Table, Enclosed Base, Open Front
66	2	Dipperwell Assembly
67	1	Drop-In, Ice Cream Freezer
68	1	Shelf, Wall Mount
69	1	Shelf, Wall Mount
70	2	Ice Maker w/o Bin
71	1	Bin, Ice Dispensing, w/transport Cart
72	1	Table, Work, Back Splash 54"
73	1	Shelving, Wire
74	1	Work Table
75	1	Shelving, Wire
76	4	Shelving, Wire
77	2	Keg Shelving
78	1	Shelving, Wire
79	2	Shelving, Wire
80	1	Shelving, Wire
81	2	Rack, Dunnage
82	4	Rack, Dunnage
83	2	Shelving, Wire
86	2	Shelving, Wire
87	5	Rack, Utility
88	2	Rack, Dunnage
89	1	Shelving, Wire
90	2	Shelving, Wire
93	1	Spare
94	1	Spare
95	1	Beverage Cooling System, Accessory
96	2	Shelving, Wire
97	1	Shelving, Wire
B1	2	Back Bar Cooler
B2	2	Underbar Glass Rack
B3	1	Warewasher, Undercounter, High Temp
B4	2	Cooler, Bottle
B5	2	Underbar Handsink w/ Dispensers
B6	2	Drainboards w/ Storage
B7	2	Underbar Speed Rail
B8	2	Underbar Ice Chest
B9	2	Soda Gun Holder
B10	2	Underbar Speed Rail
B11	3	Underbar Handsink
B12	2	Underbar Fillers & Drainboards
B13	2	Underbar Fillers & Drainboards
B14	1	Cooler, Bottle
B15	1	Underbar Ice Chest
B16	1	Underbar Speed Rail
B17	1	Underbar Pass-Thru Service Station

SMOKEY BONES
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1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF SPIKES
001.025992
STATE OF ILLINOIS

EQUIPMENT SCHEDULES

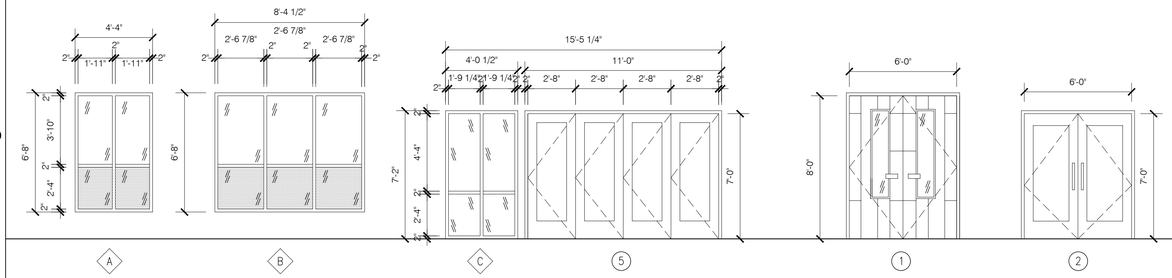
REVISIONS	
NO.	DATE

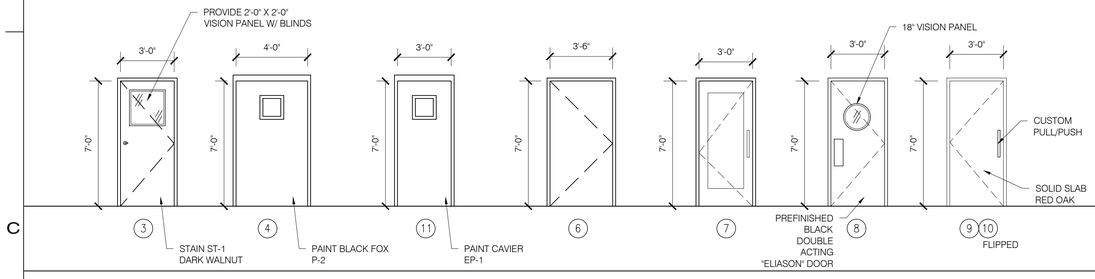
PROJECT NO: IA 2230

SHEET A2.08

DATE 11/11/22

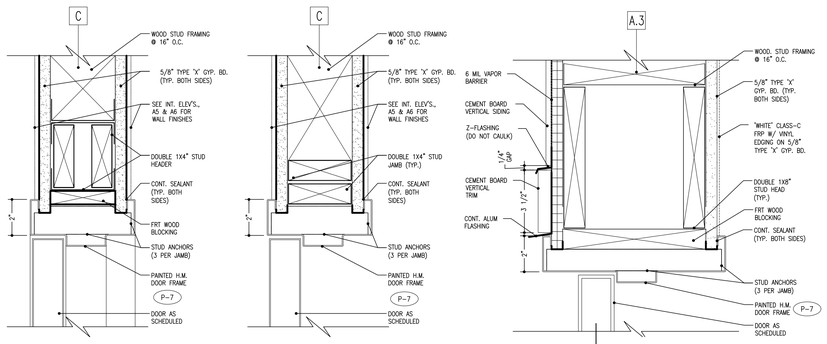
DOOR AND STOREFRONT ELEVATIONS





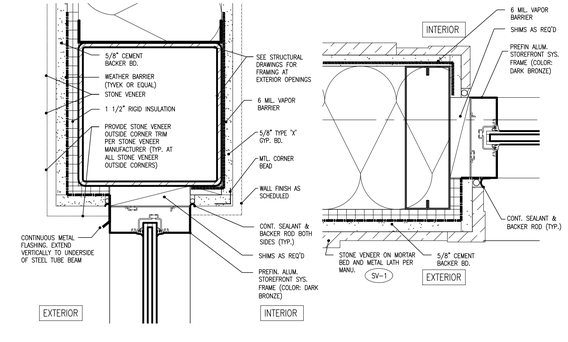
INTERIOR DOOR HEAD & JAMB DETAILS

SCALE: 3" = 1'-0"



STOREFRONT HEAD & JAMB DETAILS

SCALE: 3" = 1'-0"



STOREFRONT SCHEDULE

STORE-FRONT OPENING NO. (X)	OPENING SIZE * WIDTH	HEIGHT	WINDOW TYPE	MATERIAL	FINISH	REMARKS (SEE ELEVATIONS)
A	4'-4"	6'-8"	FIXED	ALUM.	PREFINISHED DARK BRONZE	1" TEMPERED, CLEAR GLASS; (2) LAYERS 1/4" CLR. TEMP. GLASS W/ 1/2" AIR SPACE -SEE EXT. ELEVS.
B	8'-4 1/2"	6'-8"	FIXED	ALUM.	PREFINISHED DARK BRONZE	1" TEMPERED, CLEAR GLASS; (2) LAYERS 1/4" CLR. TEMP. GLASS W/ 1/2" AIR SPACE -SEE EXT. ELEVS.
C	4'-0 1/4"	7'-2"	FIXED	ALUM.	PREFINISHED DARK BRONZE	1" TEMPERED, CLEAR GLASS; (2) LAYERS 1/4" CLR. TEMP. GLASS W/ 1/2" AIR SPACE -SEE EXT. ELEVS.

NOTES: ALL EXTERIOR GLAZING SHALL BE 1" CLEAR TEMPERED INSULATED GLASS -PPG SOLARBAN 60 CLEAR GLASS PANELS: (2) LAYERS 1/4" CLEAR TEMPERED GLASS PANELS W/ 1/2" INERT GAS INSULATION GAP (OR EQUIVALENT), SOLAR HEAT GAIN COEFFICIENT: 0.35 MAXIMUM

ALL WINDOWS OTHER THAN THOSE LISTED ABOVE ARE EXISTING. GC TO VERIFY CONDITION.

DOOR SCHEDULE

DOOR NO. (X)	ROOM NAME	WIDTH	HEIGHT	DOOR THICKNESS	DOOR MATERIAL	FRAME MATERIAL	DOOR / FRAME FINISH	FIRE RATING	REMARKS
1	VESTIBULE	(2) 3'-0"	8'-0"	2 1/4"	FIBERGLASS	ALUM.	PREFIN./PREFIN. DARK BRONZE	0	DOOR IS SMOKEY BONES MAHOGANY BY SPECIAL-LITE
2	VESTIBULE	(2) 3'-0"	7'-0"	2 1/4"	ALUM.	ALUM.	PREFIN./PREFIN. DARK BRONZE	0	KAWNEER 400
3	KITCHEN/OFFICE	3'-0"	7'-0"	1 3/4"	S.C. WOOD	H.M.	STAIN/PAINT	0	W/ 2'-0" X 2'-0" VISION PANEL
4	KITCHEN/ENCLOSURE	4'-0"	7'-0"	1 3/4"	H.M.	H.M.	PAINT/PAINT	0	W/ FISHEYE VIEWER
5	PATIO	11'	7'-0"	1 3/4"	ALUM	ALUM.	COORDINATE WITH OWNER	0	4 PANEL BIFOLD DOOR, 4 LEFT INSIDE OPENING DIRECTION
6	MECHANICAL/RISER	3'-4"	7'-0"	1 3/4"	H.M.	H.M.	PAINT/PAINT	0	W/ BOTTOM VENT
7	DINING ROOM	3'-0"	7'-0"	2 1/4"	ALUM	ALUM.	PREFIN./PREFIN. DARK BRONZE	0	KAWNEER 400
8	KITCHEN FRONT	3'-0"	7'-0"	1"	S.S.	S.S.	PREFIN. BLACK	0	W/ NO STOP FRAME AND 18"ø VISION PANEL, X2
9	WOMEN'S	3'-0"	7'-0"	1 3/4"	S.C. WOOD	H.M.	STAIN/PAINT	0	STAINED MINWAX "DARK WALNUT" - 2716
10	MEN'S	3'-0"	7'-0"	1 3/4"	S.C. WOOD	H.M.	STAIN/PAINT	0	STAINED MINWAX "DARK WALNUT" - 2716
11	KITCHEN REAR	3'-0"	7'-0"	1 3/4"	H.M.	H.M.	PAINT/PAINT	0	W/ FISHEYE VIEWER

NOTES #1. ALL HARDWARE & DOORS TO BE FULLY A.D.A. COMPLIANT & OPERATE IN DIRECTION OF EGRESS WITHOUT KEY OR SPECIAL KNOWLEDGE DURING ALL TIMES OF PREMSES OCCUPANCY.
#2. G.C. TO VERIFY ALL DOOR SIZES, SIDELITE & TRANSOM SIZES IN FIELD PRIOR TO ORDERING.
#3. ALL DOORS TO THE OUTSIDE TO BE INSECT/RODENT-PROOF, & THE BUILDING ENVELOPE SHALL BE SEALED PER 2009 IECC, SECTION 502.4.3
#4. ALL GLAZING IN DOORS, SIDELITES, & TRANSOMS SHALL BE TEMPERED.
#5. ALL DOORS OTHER THAN THOSE LISTED IN SCHEDULE ABOVE ARE EXISTING. GC. TO VERIFY CONDITION.
#6. G.C. TO PROVIDE TRIDENT SEC04 WINDOW FILM BY JOHNSON WINDOW FILMS.

HARDWARE SCHEDULE

DOOR NO. (X)	LATCHSET	KEYED DEADBOLT	CLOSER	PUSHPLATE	PULLPLATE	KICKPLATE	SWEEP	THRESHOLD	NOTES	REMARKS
1	NONE	●	●	●	●		●	●	#1	PANIC FUNCTION OPERABILITY, INSTALL CUSTOM PUSH/PULL (SUPPLIED BY OWNER)
2	NONE	●	●	●	●		●	●	#1	PANIC FUNCTION OPERABILITY, INSTALL CUSTOM PUSH/PULL (SUPPLIED BY OWNER)
3	OFFICE		●							
4	NONE	●	●	●	●	●	●	●	#3	PANIC FUNCTION OPERABILITY, INSTALL CUSTOM PUSH/PULL (SUPPLIED BY OWNER)
5	NONE	●						●	#3	PANIC FUNCTION OPERABILITY, INSTALL CUSTOM PUSH/PULL (SUPPLIED BY OWNER)
6	NONE	●	●				●			DETEX ALARM SYSTEM/PANIC FUNCTION HARDWARE
7	NONE	●	●	●	●		●	●	#1	PANIC FUNCTION OPERABILITY, INSTALL CUSTOM PUSH/PULL (SUPPLIED BY OWNER)
8	NONE									
9	NONE		●	●	●				#2	INSTALL CUSTOM PUSH/PULL (SUPPLIED BY OWNER)
10	NONE		●	●	●				#2	INSTALL CUSTOM PUSH/PULL (SUPPLIED BY OWNER)
11	NONE	●	●	●	●	●	●	●	#3	PANIC FUNCTION OPERABILITY, INSTALL CUSTOM PUSH/PULL (SUPPLIED BY OWNER)

#1. INSTALL PERMANENT PLASTIC WALL PLACARD ADJ. TO DOOR ON INSIDE STATING "THIS DOOR SHALL REMAIN UNLOCKED DURING ALL TIMES OF OCCUPANCY" IN WHITE LETTERS ON BLACK BACKGROUND.
#2. INSTALL PERMANENT A.D.A. COMPLIANT TOILET ROOM PLASTIC PLACARD ON EXT. FACE OF DOOR.
#3. INSTALL ADDRESS NUMERALS IN 4" VINYL LETTERS & "SMOKEY BONES DELIVERIES" IN 2" VINYL LETTERS IN CONTRASTING COLOR TO EXT. FACE OF DOOR.
#4. COLOR: DARK BRONZE
#5. ALL EXTERIOR DOORS TO USE KEY #1. PROVIDE 9 COPIES OF KEY #1. OFFICE DOOR TO USE KEY #2. PROVIDE 8 COPIES OF KEY #2.

HARDWARE SPECIFICATIONS

ITEM	MANU.	MODEL	REMARK
LOCKSET	SCHLAGE	ND53 RHO 10-025	LEVER TYPE HANDLE, ALL CYLINDERS TO BE INTERCHANGEABLE
PANIC HARDWARE	VON DUPRIN	33A	#06 LEVER ON PULL SIDE
CLOSER	LCN	4111 SPRING CUSH TBMS	-
THRESHOLD	PEMKO	1716	MILL FINISHED ALUM.
DOOR STOPS	HAGER	241F	FLOOR DOME
HINGES	HAGER	BB1279 NRP	4-1/2"x4-1/2" SS HINGES
CUSTOM FIBERGLASS DOOR			
HINGES	JELD-WEN (INCLUDED)	SL26 GEARED CONTINUOUS HINGE	PROVIDED BY DOOR MFR.
DOOR SWEEP	ZERO INTERNATIONAL	477 DOOR SWEEP	(1) PER DOOR LEAF
SILL	PEMKO	1/2"H. 1716 SILL	COLOR: DARK BRONZE
CLOSER	LCN	4010 SURFACE MOUNTED	COLOR: DARK BRONZE
LOCKSET	ADAMS RITE	CYLINDER ESCUTCHEON	-
WEATHERSTRIP	PEMKO	ASTRAGAL	-

NOTES:
#1. ALL HARDWARE FINISH: SATIN
#2. PROVIDE GRADE 1 DOOR HARDWARE
#3. ALL HARDWARE TO BE BLACK.

GENERAL DOOR NOTES

1. GC to demo existing fly fans on doors 3 and 4 in kitchen and install new owner provided fly fans.
2. GC to supply and install new Detex bars on doors 3 and 4 in kitchen. Detex Model FMP #134-1041 or approved equivalent.

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF SPIKES
001.025992
STATE OF ILLINOIS

DOOR AND WINDOW SCHEDULES

REVISIONS NO.	DATE

PROJECT NO: IA 2230

SHEET A3.01

DATE 11/11/22

MATERIAL & FINISH SYMBOL LEGEND

P-1 PAINT
MANUFACTURER: SHERWIN WILLIAMS
MODEL #: SW 7017
COLOR: DORIAN GRAY
NOTES:

P-2 PAINT
MANUFACTURER: SHERWIN WILLIAMS
MODEL #: SW 7020
COLOR: BLACK FOX
NOTES:

P-6 PAINT (BAR FOOT RAILS & PIPE DIVIDERS)
MANUFACTURER: RUSTOLEUM
MODEL #: 271473
COLOR: FLAT SOFT IRON

P-7 EXTERIOR PAINT
MANUFACTURER: SHERWIN WILLIAMS
MODEL #: SW 6990
COLOR: CAVIAR
FINISH:

GR-1 GRANITE COUNTER:
MANU.: NORSTONE
MODEL#: UBATUBA
FINISH: LEATHERED

GR-2 QUARTZ LAVATORY COUNTERTOP
MANUFACTURER: MSI
COLOR: FROST WHITE QUARTZ
REMARKS: 2 CM THICKNESS

QT-1 DECORATIVE FLOORING SYSTEM
MANUFACTURER: RESTEK
MODEL #: 61 CQ
COLOR: OXIDE RED CQ8
TYPE: ABRASIVE AT WALKWAYS, SMOOTH UNDER EQUIPMENT
ACCESSORIES: COVE BASE AND ALL TRIMS AS REQ'D.
FINISH: APPLY PER MANUFACTURER'S RECOMMENDATIONS.

QT-2 DECORATIVE FLOORING SYSTEM
MANUFACTURER: RESTEK
MODEL #: NATURALS
COLOR: QB1014
TYPE: ABRASIVE AT WALKWAYS, SMOOTH UNDER EQUIPMENT
ACCESSORIES: COVE BASE AND ALL TRIMS AS REQ'D.
FINISH: APPLY PER MANUFACTURER'S RECOMMENDATIONS.

FT-1 PORCELAIN TILE & BORDER 8"x48"
MANUFACTURER: DALTILE
MODEL #: TRANSIO TRIUMPH TN11
CONTACT: WWW.DALTILE.COM
GROUT: MAPEI 42 - "MOCHA"

B-1 PORCELAIN BASE 6"x12"
MANUFACTURER: DALTILE
MODEL #: PLAZA NOVA BROWN VISION
CONTACT: WWW.DALTILE.COM
GROUT: MAPEI 42 - "MOCHA"

WT-1 CERAMIC TILE
MANUFACTURER: DALTILE
MODEL #: ANNAPOLIS
COLOR: SAL

BV-1 BRICK VENEER
MANUFACTURER: MARION CERAMICS
MODEL #: TUMBLED VEE BRICK, 5/16"
COLORS: SAHARA 820 FLAT, SAHARA 825 FLAT, SAHARA 820 CORNERS (IF NEEDED), SAHARA 825 CORNERS (IF NEEDED), CHINO 600 FLAT, TANGER 675 FLAT, TANGER 675 CORNERS (IF NEEDED)

BV-2 BRICK VENEER
MANUFACTURER: MARION CERAMICS
MODEL #: TUMBLED VEE BRICK, 5/16"
COLORS: SAHARA 820 FLAT, SAHARA 825 FLAT, SAHARA 820 CORNERS (IF NEEDED), SAHARA 825 CORNERS (IF NEEDED), CHINO 600 FLAT, TANGER 675 FLAT, TANGER 675 CORNERS (IF NEEDED)
NOTES: PAINTED WHITE

SV-1 NATURAL STONE VENEER
MANUFACTURER: BORAL VERSETTA STONE
MODEL #: LEDGESTONE SERIES
COLOR: PLUM CREEK

SV-2 EIFS ACCENT BAND
MANUFACTURER: TBD
MODEL #: TBD
COLOR: MATCH SV-1
REMARKS: EXTERIOR EIFS ACCENT BAND BELOW COPING, SEE SHEET A4.02/A4.03 EXTERIOR ELEVATIONS

MB-1 METAL BANDING 3"xX" (BAR DIE-WALL)
MANUFACTURER: TBD
MODEL #: TBD
COLOR: TBD

ST-1 WOOD STAIN
MANUFACTURER: MINWAX
MODEL #: MW2716 DARK WALNUT
FINISH: SEMI-GLOSS POLY: MINIMUM THREE COATS, SAND WITH 220 GRIT BETWEEN 1ST AND 2ND COAT, SAND WITH 400 GRIT BETWEEN 2ND AND 3RD COATS. WIPE DOWN AFTER EACH SANDING WITH PAINTER'S RAG DIPPED IN MINERAL SPIRITS. WAIT UNTIL MINERAL SPIRITS FLASHES OFF (DRIES) BEFORE RECOATING.

CG-1 CORRUGATED PANEL
MANUFACTURER: TBD
SIZE: #: 3/4" CORRUGATED METAL PANEL
COLOR: GALVANIZED
NOTES: HORIZONTAL AT WAINSCOTS
VERTICAL AT "MASTERS OF MEAT"

PK-1 BURNISHED WOOD
MANUFACTURER: TBD
SIZE: 1"x6" PINE PLANKS
FINISH: TORCH BURNISHED TO DARK FINISH, THEN APPLY MATTE EPOXY

FRP-1 FRP PANELS
MANUFACTURER: TBD
SIZE: 4'X10' PANELS
FINISH: MATCH EXISTING

MP-1 EXTERIOR MEGA-RIB PANELS
MANUFACTURER: MCELROY METAL
MODEL: MSR PANEL
FINISH: MANSARD BROWN

CP-1 2'x2' APPLIED CEILING PANEL
MANUFACTURER: ARMSTRONG OR APPROVED EQUAL
MODEL #: FINE FISSURED 1732 ANGLED TEGULAR 15/16" IN, 24"x24"x5/8"
COLOR: MEDIUM TAUPE
GRID: PRELUDE ML 15/16" EXPOSED TEE
COLOR: MEDIUM TAUPE OR SIMILAR TO MATCH TILES

CP-2 2'x4' VINYL FACED CEILING TILES
MANUFACTURER: USG SHEETROCK BRAND
MODEL #: VINYLROCK X #1142
COLOR: WHITE

MR-1 METAL ROOFING
MANUFACTURER: PAC-CLAD
MODEL #: 24 GAUGE 16" UL-90
COLOR: BLACK ALUMINUM
FINISH: SMOOTH PANELS

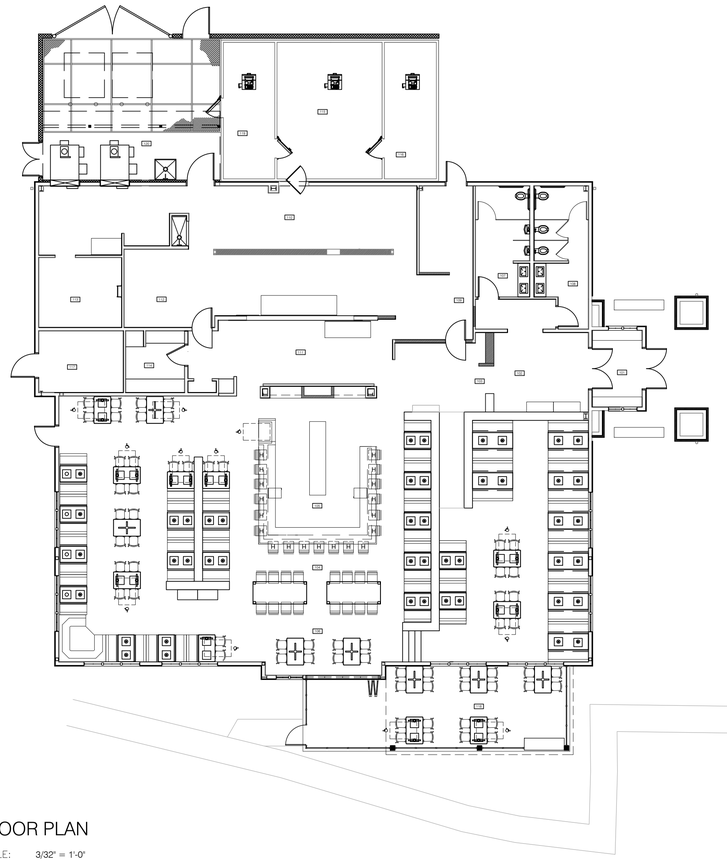
WC-1 VINYL WALL COVERING
MANUFACTURER: KOROSEAL
MODEL #: HERITAGE WOOD, HW29-60
COLOR: ALDER
REMARKS: REPEAT: V:35.5"

ROOM FINISH SCHEDULE

NOTE: RECESSED LIGHTING WHITE TRIMS SHALL BE PAINTED TO MATCH ADJACENT FINISH PAINT COLOR (EXCLUDING TOILET ROOMS).

ROOM NO.	ROOM NAME	FLOOR FIN	FLOOR MATERIAL	BASE FIN	BASE MATERIAL	WALLS FIN	WALLS MATERIAL	CEILING FIN	CEILING MATERIAL	CEILING HT.	NOTES
101	VESTIBULE	–	CUSTOM FLOOR MAT/PORCELAIN TILE	–	CERAMIC TILE -COVED	-/-/PREFIN.	STONE/VWC/ALUM. S.F.	PREFIN.	2'x2' SUSPENDED CLG. TILES	10'-9"	#1,2
102	WAITING	–	PORCELAIN TILE	–	CERAMIC TILE -COVED	–	CERAMIC TILE	PAINT	2'x2' SUSPENDED CLG. TILES	10'-9"	#1,2,4
103	HOST / PICK-UP (PUBLIC SIDE / SERVER SIDE)	–	PORCELAIN TILE	–	CERAMIC TILE -COVED	–	CERAMIC TILE	PAINT	2'x2' SUSPENDED CLG. TILES	10'-9"	#1,2
104	BAR DINING	–	PORCELAIN TILE	–	CERAMIC TILE -COVED	PAINT/PREFIN/-/-	WC/ALUM. S.F./CERAMIC TILE/THIN BRICK	PAINT	2'x2' SUSPENDED CLG. TILES	12'-1"	#2,4
105	BAR (PUBLIC SIDE / SERVER SIDE)	–	PORCELAIN TILE / RESTEK	–	CERAMIC TILE -COVED / RESTEK	-/PREFIN / –	VINYL TILE/MTL. BAND / BLACK FRP	PAINT	2'x2' SUSPENDED CLG. TILES	12'-1"	#1,2
106	MAIN DINING	–	PORCELAIN TILE	–	CERAMIC TILE -COVED	PAINT/PREFIN/-/-	WC/ALUM. S.F./CERAMIC TILE/THIN BRICK	PAINT	2'x2' SUSPENDED CLG. TILES	VARIES	#2,4
107	MENS	–	PORCELAIN TILE	–	CERAMIC TILE -COVED	–	CERAMIC TILE/GYP. BOARD	PAINT	GYP.	9'-0"	#1,3
108	WOMENS	–	PORCELAIN TILE	–	CERAMIC TILE -COVED	–	CERAMIC TILE/GYP. BOARD	PAINT	GYP.	9'-0"	#1,3
109	EXPO	–	RESTEK	–	RESTEK	–	WHITE FRP CERAMIC TILE	–	2'x4' SUSPENDED CLG. TILES	10'-1"	#1
110	COOK	–	RESTEK	–	RESTEK	–	WHITE FRP/S.S. PANELS	–	2'x4' SUSPENDED CLG. TILES	10'-1"	#1
111	PREP	–	RESTEK	–	RESTEK	–	WHITE FRP	–	2'x4' SUSPENDED CLG. TILES	10'-1"	#1
112	WAREWASH	–	RESTEK	–	RESTEK	–	WHITE FRP	–	2'x4' SUSPENDED CLG. TILES	10'-1"	#1
113	PANTRY	–	RESTEK	–	RESTEK	–	WHITE FRP	–	2'x4' SUSPENDED CLG. TILES	10'-1"	#1
114	OFFICE	–	RESTEK	–	RESTEK	PAINT	GYP. BOARD	–	2'x4' SUSPENDED CLG. TILES	10'-1"	#1
115	WALK-IN FOOD COOLER	–	PRE-FAB. INSUL. FLR.	–	–	–	PRE-FAB.	–	PRE-FAB.	PRE-FAB	
116	WALK-IN FOOD FREEZER	–	PRE-FAB. INSUL. FLR.	–	–	–	PRE-FAB.	–	PRE-FAB.	PRE-FAB	
117	SPRINKLER	–	CLEAR SEALER	–	–	–	WHITE FRP	–	EXPOSED STRUCTURE	VARIES	#1
118	OUTDOOR PATIO DINING	–	TINTED CONCRETE	–	–	–	–	–	–	–	#5,6
119	WALK-IN BEER COOLER	–	PRE-FAB. INSUL. FLR.	–	–	–	PRE-FAB.	–	PRE-FAB.		
120	SMOKERS	–	CLEAR SEALER	–	–	PAINT	EXPOSED WOOD DIVIDERS	–	EXPOSED STRUCTURE	VARIES	

NOTES:
#1. ALL WALL AND CEILING FINISHES TO BE CLASS "C" RATED IN ACCORDANCE WITH ASTM E 84 OR UL 723.
#2. SEE CONSTRUCTION PLAN SHEET A2 & INTERIOR ELEVATION (A6-SERIES SHEETS) FOR WALL FINISH MATERIAL LOCATIONS
#3. SEE TOILET ROOM ELEVATION SHEET A7 FOR WALL FINISH MATERIAL LOCATIONS.
#4. SEE SHEET A6 FOR TYPICAL WAINSCOT AND DINING AREA SCREEN WALL DETAILS
#5. SEE EXTERIOR ELEVATIONS FOR EXTERIOR WALL FINISH MATERIALS AND LOCATIONS
#6. PROVIDE "PEDACOARS" NON-SLIP COATING AT EXTERIOR CONCRETE PATIO SLAB



A1 FLOOR PLAN

SCALE: 3/32" = 1'-0"

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF SPIKES
001.025992

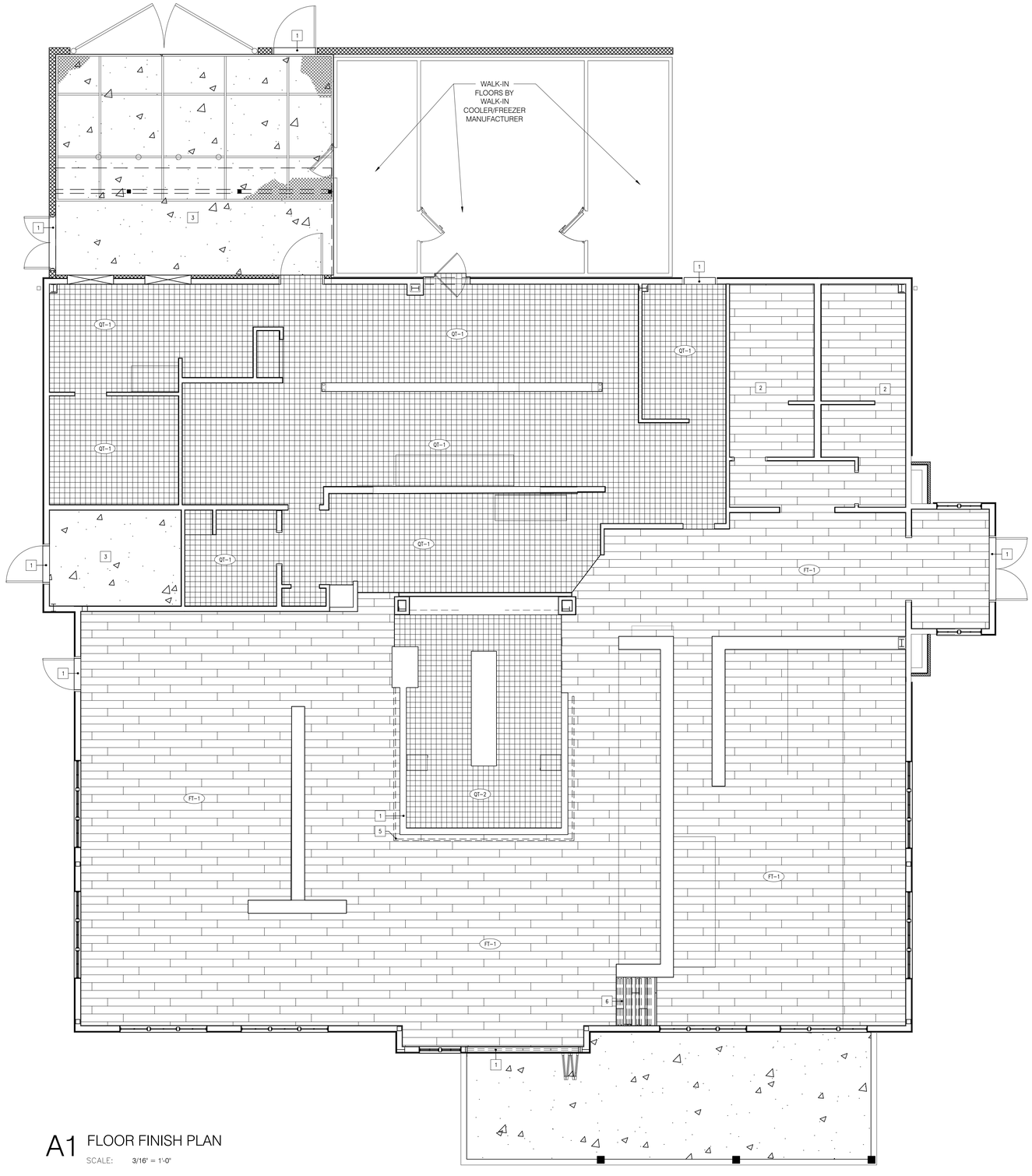
FINISH SCHEDULE

REVISIONS NO.	DATE

PROJECT NO: IA 2230

SHEET A3.02

DATE 11/11/22



KEYNOTES

1. ACCESSIBLE ALUMINUM THRESHOLD (CLEAR ANODIZED) -WHEN AVAILABLE, COORDINATE INSTALLATION W/ STOREFRONT/DOOR
2. PROVIDE SLIP SHEET UNDER THE LOCATIONS @ CONTROL JOINTS (TYP.)
3. SEALED CONCRETE FLOOR, G.C. TO SEAL/RESEAL FLOOR AS NEEDED
4. TYP. BAR DIE WALL CONSTRUCTION -SEE A.901 (TYP.)
5. METAL FOOT REST -SEE A.901 (TYP.)
6. PROVIDE NON-SLIP GRIP TAPE ON STEP TREADS

FLOOR FINISH PLAN NOTES

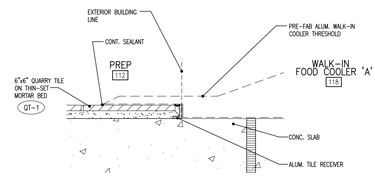
1. AT ALL FLOOR TRANSITIONS, PROVIDE ACCESSIBLE TRANSITION.
2. ALL FINISHES INSTALLED SHALL BE CLASSIFIED AS 'SLIP RESISTANT' WITH A STATIC COEFFICIENT OF FRICTION OF 0.6 OR GREATER UNDER ASTM D2047. G.C. TO PROVIDE ARCHITECT/OWNER WITH DOCUMENTATION PRIOR TO INSTALLATION.

FLOOR FINISH SCHEDULE

QT-1
DECORATIVE FLOORING SYSTEM
MANUFACTURER: RESTEK
MODEL #: 61 C2
COLOR: OXIDE RED C08
TYPE: ABRASIVE AT WALKWAYS, SMOOTH UNDER EQUIPMENT
ACCESSORIES: COVE BASE AND ALL TRIMS AS REQ'D.
FINISH: APPLY PER MANUFACTURER'S RECOMMENDATIONS.

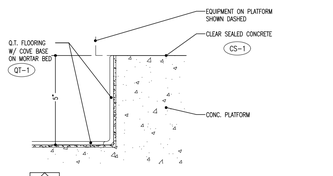
QT-2
DECORATIVE FLOORING SYSTEM
MANUFACTURER: RESTEK
MODEL #: NATURALS
COLOR: SR1014
TYPE: ABRASIVE AT WALKWAYS, SMOOTH UNDER EQUIPMENT
ACCESSORIES: COVE BASE AND ALL TRIMS AS REQ'D.
FINISH: APPLY PER MANUFACTURER'S RECOMMENDATIONS.

FT-1
PORCELAIN TILE & BORDER 8"x48"
MANUFACTURER: DALTILE
MODEL #: TRANSIO TRIUMPH TN11
CONTACT: WWW.DALTILE.COM
GROUT: DARK GROUT TO MATCH

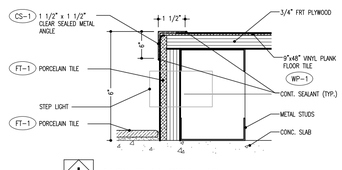


A508 FOOD COOLER

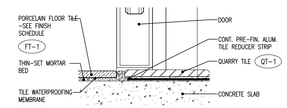
A507 EQMT. PLATFORM



A506 EQMT. PLATFORM

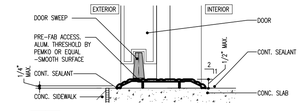


A505 PLATFORM EDGE



A504 TILE TRANSITION

A503 THRESHOLD



A502 THRESHOLD
SCALE: 3" = 1'-0"

0 0.25 0.5

NOTE:
ALL THRESHOLDS TO COMPLY WITH 2010 ADA

A1 FLOOR FINISH PLAN

SCALE: 3/16" = 1'-0"

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF SPIKES
001.025992
STATE OF ILLINOIS

FLOOR FINISH PLAN

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET A3.03

DATE 11/11/22

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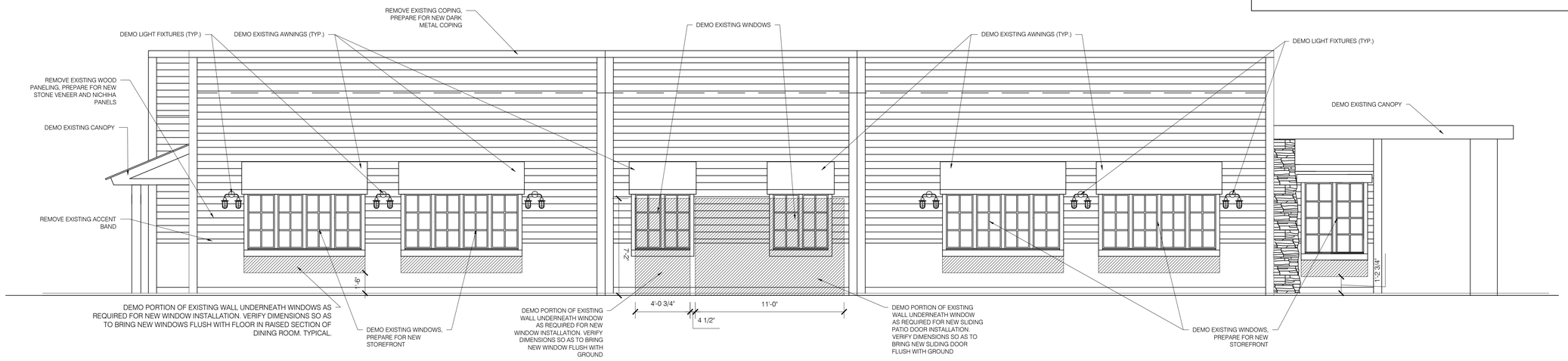
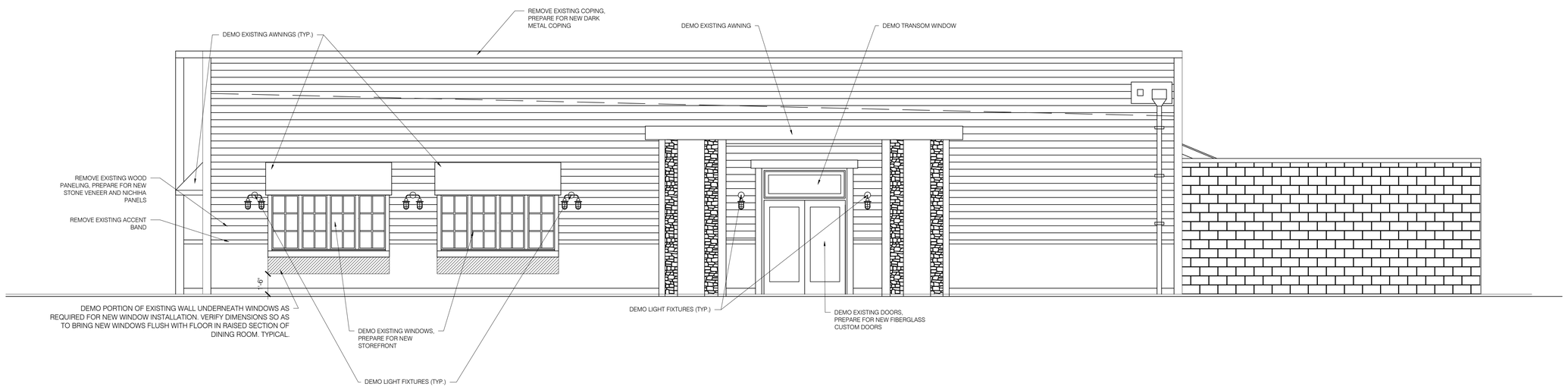
ELEVATION DEMO NOTES

1. REMOVE ALL EXISTING EXTERIOR FINISHES DOWN TO SHEATHING TO ALLOW FOR INSTALLATION OF NEW FINISHES (SEE EXTERIOR ELEVATIONS)
2. REMOVE EXISTING EXTERIOR PYLON COLUMNS TO FLUSH WITH EXTERIOR WALL.
3. REMOVE EXISTING STOREFRONT WINDOWS AND DOORS IN ORDER TO ALLOW FOR INSTALLATION OF NEW STOREFRONT (UNLESS OTHERWISE NOTED).



C1 WEST ELEVATION (STREET SIDE)

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



A1 SOUTH ELEVATION (MAIN ENTRANCE)

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

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DEMO EXTERIOR ELEVATIONS

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PROJECT NO: IA 2230

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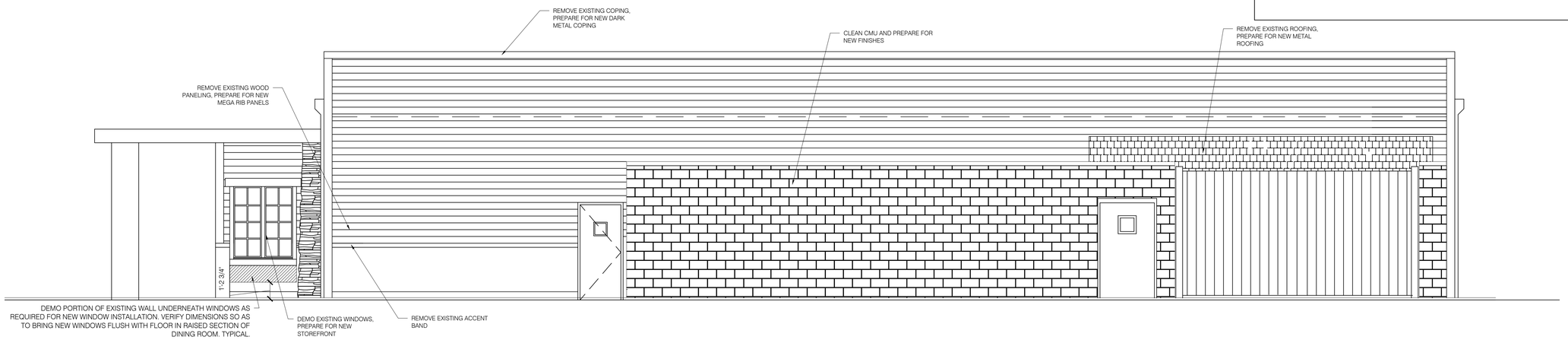
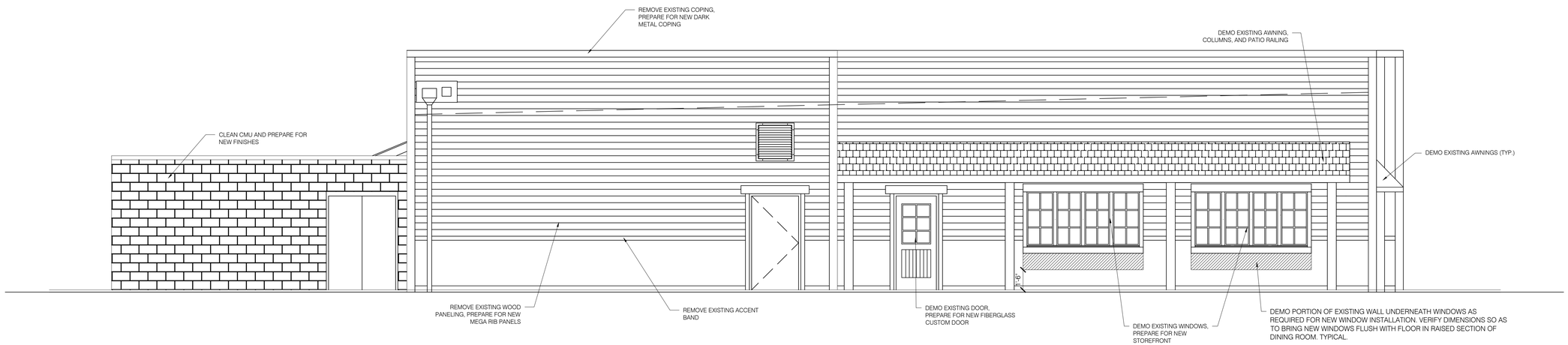
ELEVATION DEMO NOTES

1. REMOVE ALL EXISTING EXTERIOR FINISHES DOWN TO SHEATHING TO ALLOW FOR INSTALLATION OF NEW FINISHES (SEE EXTERIOR ELEVATIONS)
2. REMOVE EXISTING EXTERIOR PYLON COLUMNS TO FLUSH WITH EXTERIOR WALL.
3. REMOVE EXISTING STOREFRONT WINDOWS AND DOORS IN ORDER TO ALLOW FOR INSTALLATION OF NEW STOREFRONT (UNLESS OTHERWISE NOTED).



C1 EAST ELEVATION (REAR)

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



A1 NORTH ELEVATION (BACK ENTRANCE)

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

SMOKEY BONES
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DEMO EXTERIOR ELEVATIONS

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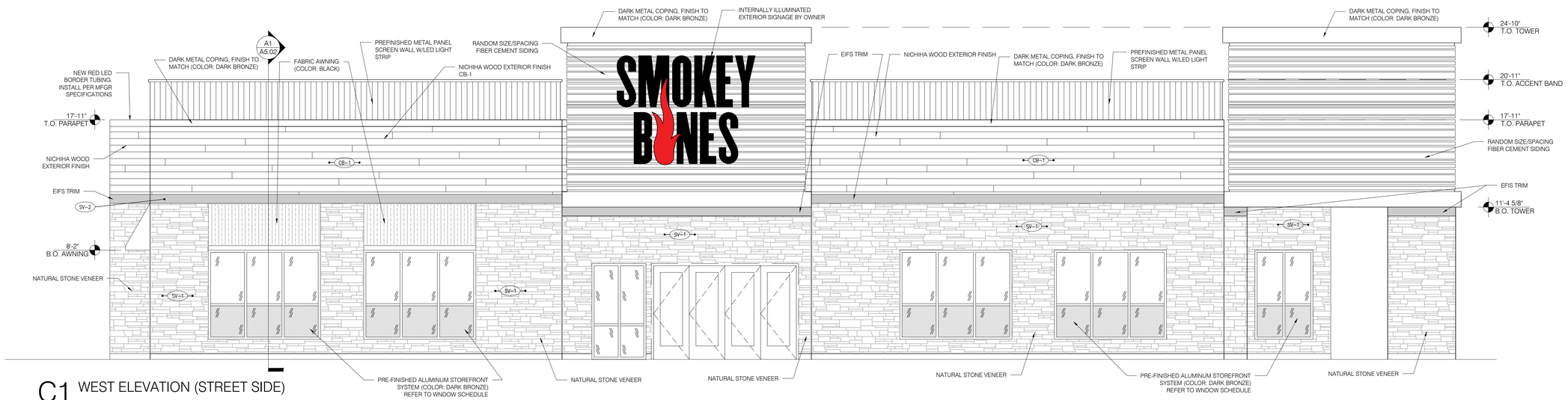


C1 WEST ELEVATION (STREET SIDE)

SCALE: 1/4" = 1'-0" NEW PATIO HIDDEN FOR CLARITY

EXTERIOR ELEVATIONS SIGNAGE NOTES

1. ALL EXTERIOR SIGNAGE IS DESIGN/PERMIT/BUILD BY OTHERS AND SHOWN FOR REFERENCE PURPOSES ONLY.
2. G.C. SHALL PROVIDE WALL-MOUNTED EXTERIOR J-BOX AND WIRING AS REQUIRED BY SIGNAGE. ALL SIGNAGE ELECTRICAL BY G.C. SHALL BE COORDINATED WITH OWNER'S SIGNAGE VENDOR AND SHALL BE COMPLETELY CONCEALED ONCE SIGNAGE IS INSTALLED.
3. G.C. SHALL COORDINATE AND PROVIDE SUPPORT AND BLOCKING AS REQUIRED FOR SIGNAGE SUPPORT.

ALUMINUM STOREFRONT SYSTEM:
KAWNEER 450 PRE-FINISHED ALUMINUM FRAMES (COLOR: DARK BRONZE) W/ 1" CLEAR TEMPERED INSULATED GLASS PANELS

GLAZING:
PPG SOLARBAN 60 CLEAR (2) LAYERS 1/4" GLASS PANES W/ 1/2" INERT GAS INSULATION GAP (SOLAR HEAT GAIN COEFFICIENT: 0.25 MAXIMUM)

EXTERIOR ELEVATION KEYNOTES

SV-1 NATURAL STONE VENEER
MANUFACTURER: PRESTIGE STONE PRODUCTS
MODEL #: PROSTACK MESA CREAM HANDI PAK FLATS AND CORNERS

SV-2 EIFS BAND
MANUFACTURER: TBD
MODEL #: TBD
COLOR: MATCH SV-1

CB-1 EXTERIOR WOOD DECKING
MANUFACTURER: NICHIHA
MODEL #: VINTAGEWOOD
COLOR: CEDAR (CONFIRM W/ OWNER PRIOR TO BID AND PURCHASE OF MATERIALS)

EP-1 EXTERIOR PAINT
MANUFACTURER: SHERWIN WILLIAMS
MODEL #: SW 6990
COLOR: CAVIAR
FINISH:

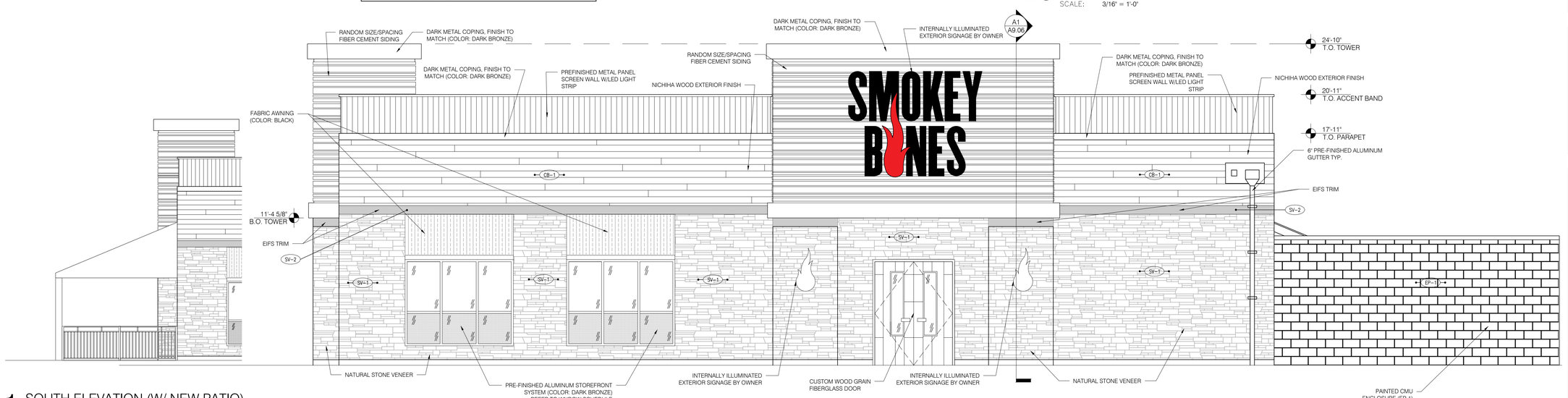
MP-1 EXTERIOR MEGA-RIB PANELS
MANUFACTURER: MCELROY METAL
MODEL: MSR PANEL
FINISH: MANSARD BROWN

MR-1 METAL ROOFING
MANUFACTURER: PAC-CLAD
MODEL #: 24 GAUGE 16" UL-90
COLOR: BLACK ALUMINUM
FINISH: SMOOTH PANELS

Submit shop drawings for LL review and approval.

B5 WEST ELEVATION (W/ NEW PATIO)

SCALE: 3/16" = 1'-0"



A1 SOUTH ELEVATION (W/ NEW PATIO)

SCALE: 3/16" = 1'-0"

A2 SOUTH ELEVATION (MAIN ENTRANCE)

SCALE: 1/4" = 1'-0" NEW PATIO HIDDEN FOR CLARITY

SMOKEY BONES
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EXTERIOR ELEVATIONS

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EXTERIOR ELEVATIONS SIGNAGE NOTES

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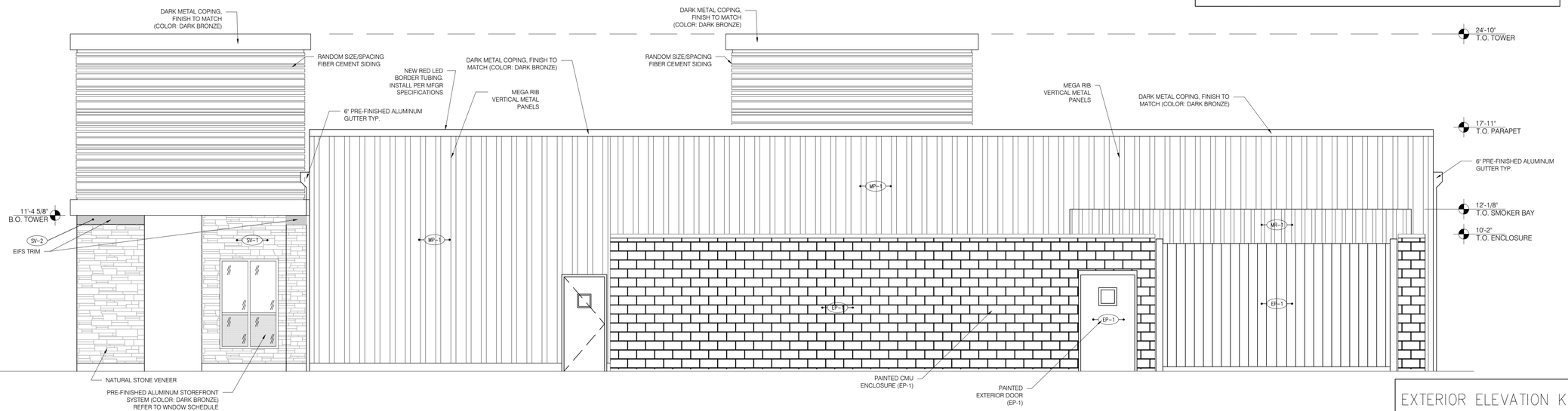
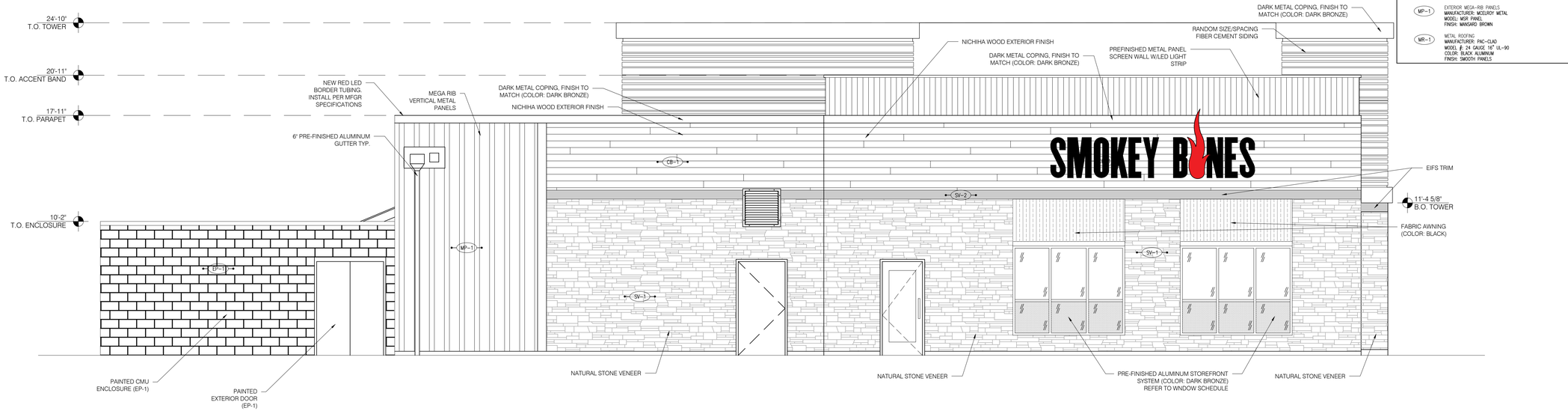
3. G.C. SHALL COORDINATE AND PROVIDE SUPPORT AND BLOCKING AS REQUIRED FOR SIGNAGE SUPPORT.



C1 EAST ELEVATION (REAR)

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



A1 NORTH ELEVATION (BACK ENTRANCE)

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

EXTERIOR ELEVATION KEYNOTES

- SV-1 — NATURAL STONE VENEER
  MANUFACTURER: PRESTIGE STONE PRODUCTS
  MODEL #: PROSTACK MESA CREAM HANDI PAK FLATS AND CORNERS
- SV-2 — EIFS BAND
  MANUFACTURER: TBD
  MODEL #: TBD
  COLOR: MATCH SV-1
- CB-1 — EXTERIOR WOOD DECKING
  MANUFACTURER: NICHIHA
  MODEL #: VINTAGEWOOD
  COLOR: CEDAR (CONFIRM W/ OWNER PRIOR TO BID AND PURCHASE OF MATERIALS)
- EP-1 — EXTERIOR PAINT
  MANUFACTURER: SHERWIN WILLIAMS
  MODEL #: SW 6990
  COLOR: CAVIAR
  FINISH:
- MP-1 — EXTERIOR MEGA-RIB PANELS
  MANUFACTURER: MCELROY METAL
  MODEL: MSR PANEL
  FINISH: MANSARD BROWN
- MR-1 — METAL ROOFING
  MANUFACTURER: PAC-CLAD
  MODEL #: 24 GAUGE 16" UL-90
  COLOR: BLACK ALUMINUM
  FINISH: SMOOTH PANELS

SMOKEY BONES
CHAMPAIGN ILLINOIS
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CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF SPIKES
001.025992
STATE OF ILLINOIS

EXTERIOR ELEVATIONS

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SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
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REGISTERED ARCHITECT
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RESPONSIBILITY MATRIX

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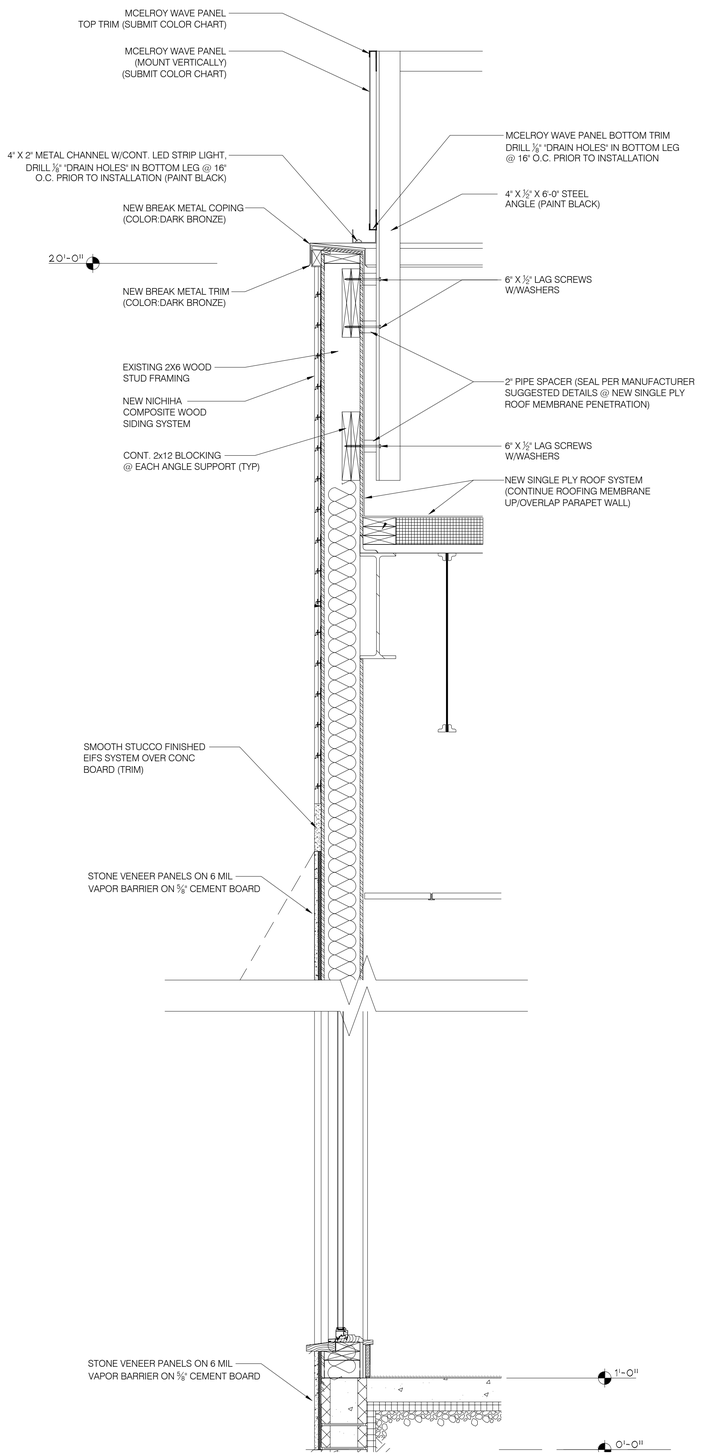

A1 WALL SECTION

SCALE: 1" = 1'-0"

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
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WALL
SECTIONS

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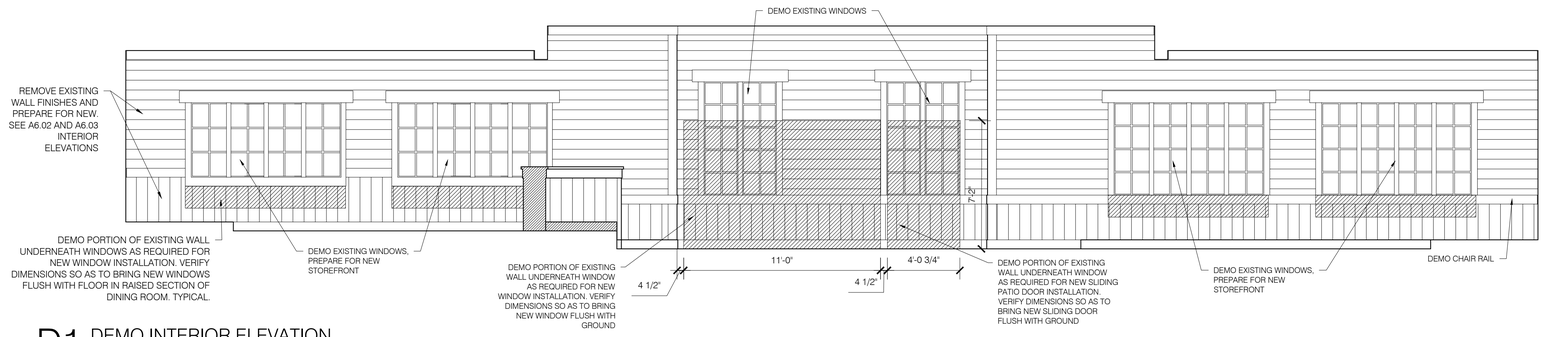
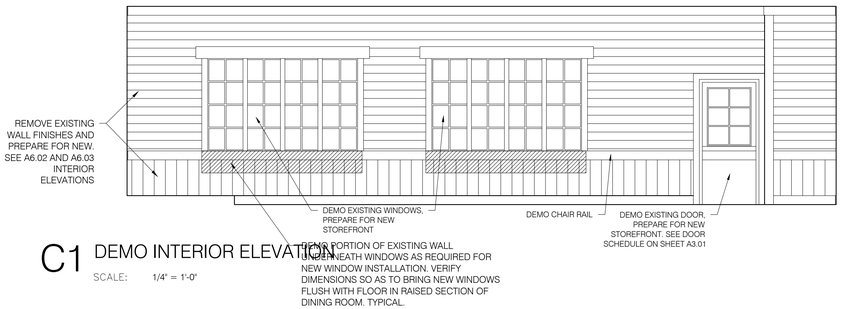


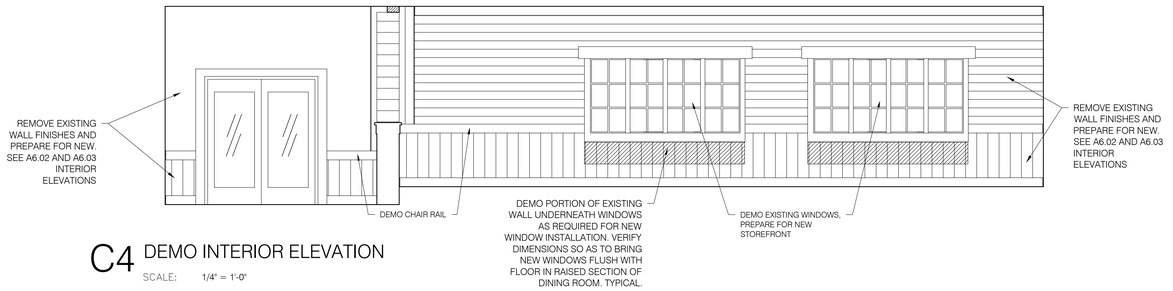
D1 DEMO INTERIOR ELEVATION

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



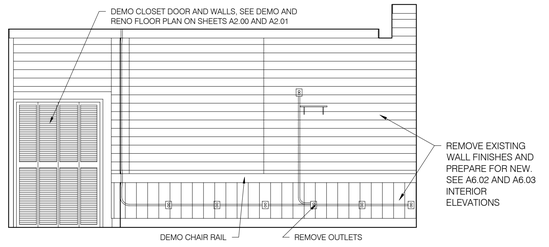
C1 DEMO INTERIOR ELEVATION

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



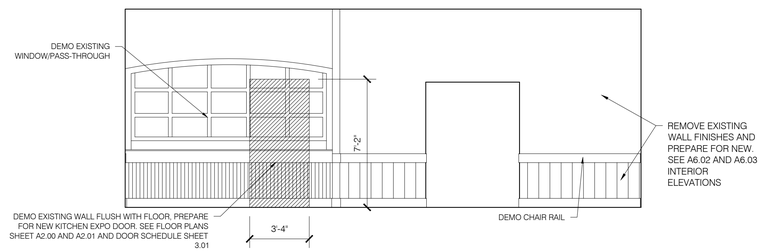
C4 DEMO INTERIOR ELEVATION

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



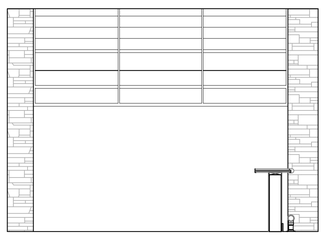
B1 DEMO INTERIOR ELEVATION

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



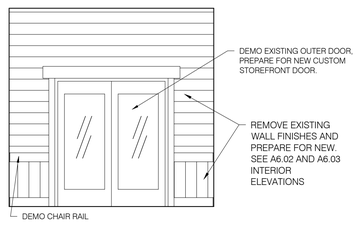
B3 DEMO INTERIOR ELEVATION

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



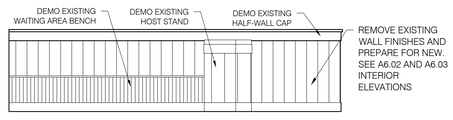
A1 DEMO INTERIOR ELEVATION

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



A3 DEMO INTERIOR ELEVATION

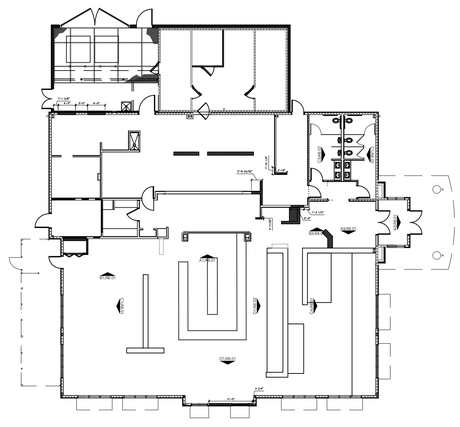
SCALE: 1/4" = 1'-0"



A4 DEMO INTERIOR ELEVATION

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

EXISTING PLAN



A5 KEY PLAN

SCALE: N.T.S.

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF SPIKES
001.025992
STATE OF ILLINOIS

DEMO INTERIOR ELEVATIONS

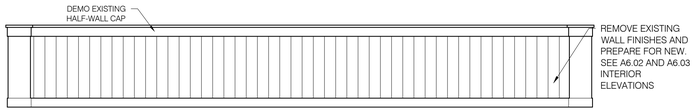
REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET A6.00

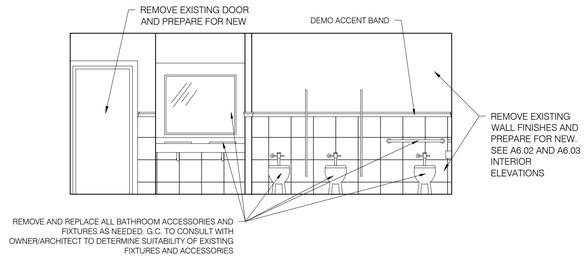
DATE 11/11/22

Nov 11, 2022 - 12:33pm
D:\Dropbox (Personal)\ARCHITECTURE\2230_Smokey Bones_Champaign IL\Construction Documents\Drawings\Current\A6.00 A6.01 Existing Interior Elevations.dwg



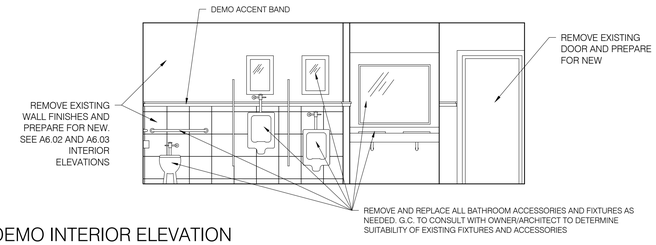
D1 DEMO INTERIOR ELEVATION

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



C1 DEMO INTERIOR ELEVATION

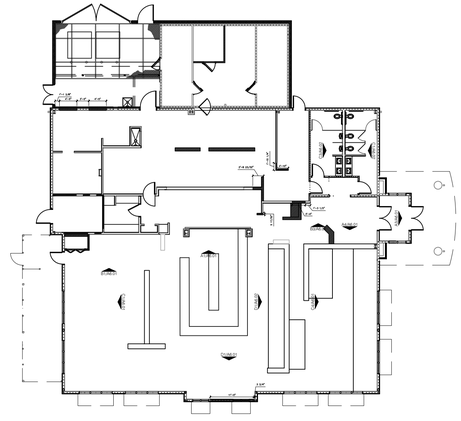
SCALE: 1/4"=1'-0"



C3 DEMO INTERIOR ELEVATION

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

EXISTING PLAN



A5 KEY PLAN

SCALE: N.T.S.

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

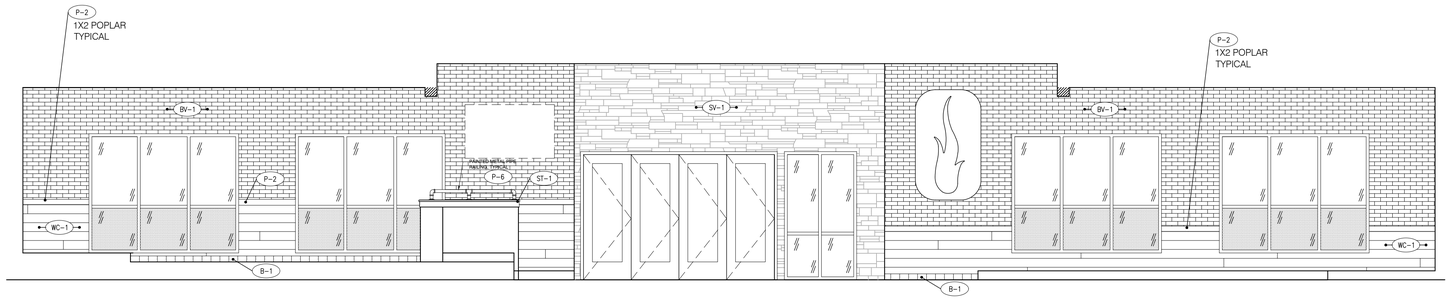
REGISTERED ARCHITECT
JEFF
SPIKES
001.025992
STATE OF ILLINOIS

DEMO INTERIOR ELEVATIONS

REVISIONS	
NO.	DATE

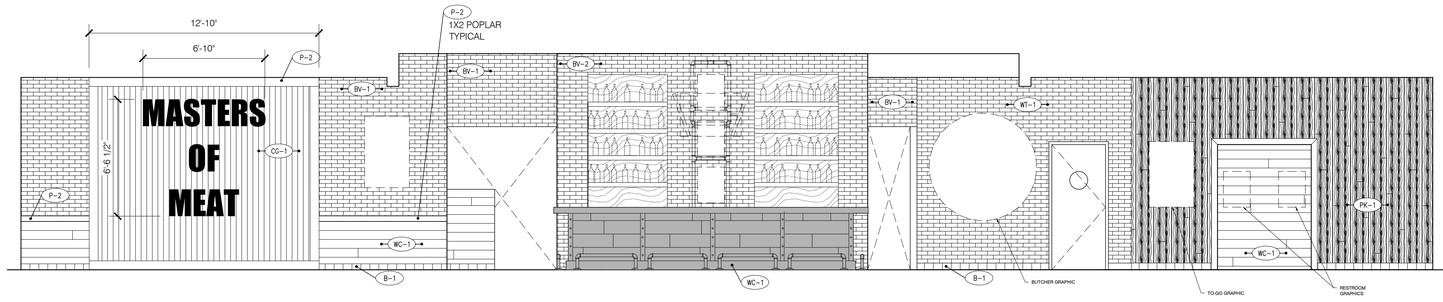
PROJECT NO: IA 2230

SHEET A6.01



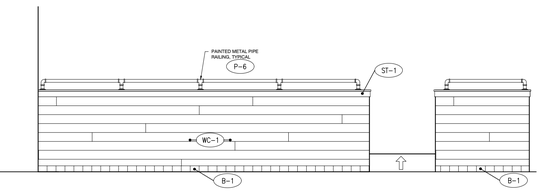
D1 INTERIOR ELEVATION

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



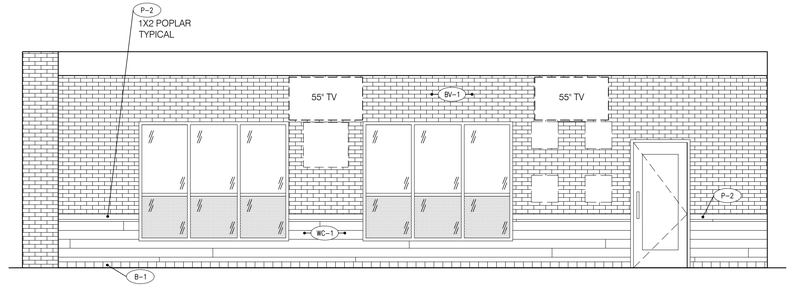
C1 INTERIOR ELEVATION

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



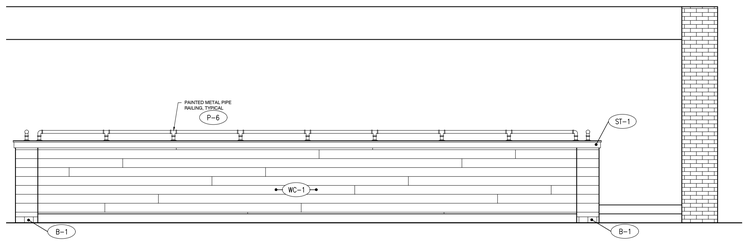
C5 INTERIOR ELEVATION

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



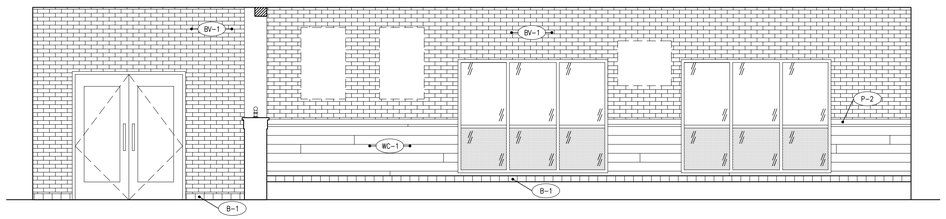
B1 INTERIOR ELEVATION

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



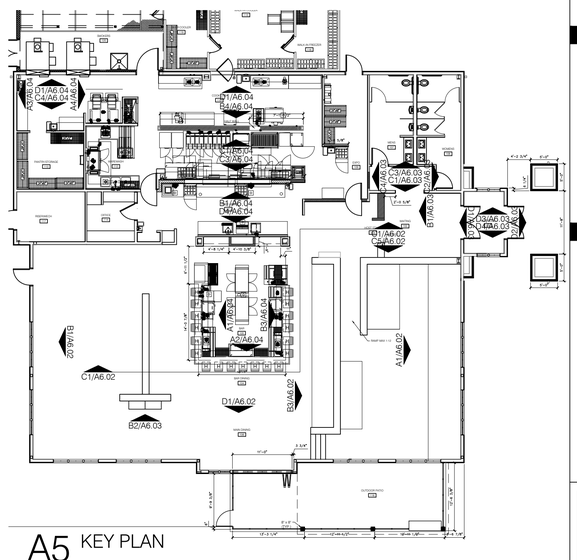
B3 INTERIOR ELEVATION

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



A1 INTERIOR ELEVATION

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



A5 KEY PLAN

SCALE: N.T.S.

INTERIOR FINISH SCHEDULE

P-1 PAINT
MANUFACTURER: SHERWIN WILLIAMS
MODEL #: SW 7017
COLOR: DORIAN GRAY
NOTES:

P-2 PAINT
MANUFACTURER: SHERWIN WILLIAMS
MODEL #: SW 7020
COLOR: BLACK FOX
NOTES:

P-3 PAINT
MANUFACTURER: WILSON ART
COLOR: SLATE GREY
FINISH: MATTE

WT-1 CERAMIC TILE
MANUFACTURER: DALTILE
MODEL #: ANNAPOLIS
COLOR: SAIL

BV-1 BRICK VENEER
MANUFACTURER: MARION CERAMICS
MODEL #: TUMBLED VEE BRICK, 5/16"
COLORS: SAHARA 820 FLAT, SAHARA 825 FLAT, SAHARA 820 CORNERS (IF NEEDED), SAHARA 825 CORNERS (IF NEEDED), CHINO 600 FLAT, TANGIER 675 FLAT, TANGIER 675 CORNERS (IF NEEDED)

BV-2 BRICK VENEER
MANUFACTURER: MARION CERAMICS
MODEL #: TUMBLED VEE BRICK, 5/16"
COLORS: SAHARA 820 FLAT, SAHARA 825 FLAT, SAHARA 820 CORNERS (IF NEEDED), SAHARA 825 CORNERS (IF NEEDED), CHINO 600 FLAT, TANGIER 675 FLAT, TANGIER 675 CORNERS (IF NEEDED)
NOTES: PAINTED WHITE

SS-1 STAINLESS STEEL
MANUFACTURER: TBD
MODEL #: TBD
COLORS: STAINLESS STEEL

SV-1 NATURAL STONE VENEER
MANUFACTURER: PRESTIGE STONE PRODUCTS
MODEL #: PROSTACK MESA CREAM HANDI PAK FLATS AND CORNERS

CG-1 CORRUGATED PANEL
MANUFACTURER: TBD
SIZE: 3/4" CORRUGATED METAL PANEL
COLOR: GALVANIZED
NOTES: HORIZONTAL AT WAINSCOTS
VERTICAL AT "MASTERS OF MEAT"

PK-1 BURNISHED WOOD
MANUFACTURER: TBD
SIZE: 1"x6" PINE PLANKS
FINISH: TORCH BURNISHED TO DARK FINISH, THEN APPLY MATTE EPOXY

FRP-1 FRP PANELS
MANUFACTURER: TBD
SIZE: 4'X10' PANELS
FINISH: MATCH EXISTING

ST-1 WOOD STAIN
MANUFACTURER: MINWAX
MODEL #: 2716
COLOR: DARK WALNUT
NOTES: WOOD TO BE RED OAK

WC-1 VINYL WALL COVERING
MANUFACTURER: KOROSEAL
MODEL #: HERITAGE WOOD, HW29-60
COLOR: ALDER
REMARKS: INSTALL HORIZONTAL AS SHOWN

B-1 PORCELAIN BASE 6"x12"
MANUFACTURER: DALTILE
MODEL #: PIAZA NOVA BROWN VISION
CONTACT: WWW.DALTILE.COM
GROUT: DARK GROUT TO MATCH

RT-1 RUBBER COVE BASE 6"x12"
MANUFACTURER: TBD
MODEL #: TBD
CONTACT: TBD
GROUT: BLACK

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF
SPIKES
001.025992
STATE OF ILLINOIS

INTERIOR
ELEVATIONS

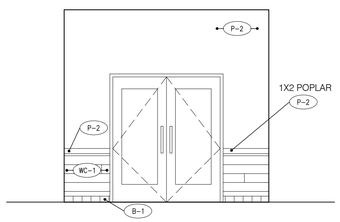
REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET A6.02

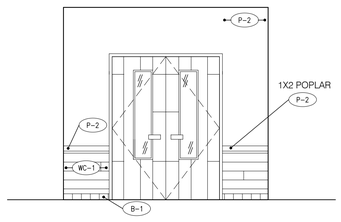
DATE 11/11/22

Nov 11, 2022 - 12:33pm
D:\Dropbox (Personal)\IARCHITECTURE\2230_Smokey Bones_Champaign_IL\Construction Documents\Drawings\Current\A6.02 A6.03 A6.04 Interior Elevations.dwg



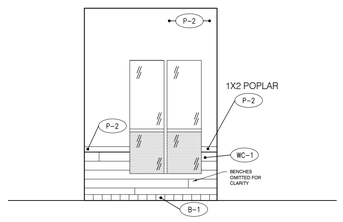
D1 INTERIOR ELEVATION

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



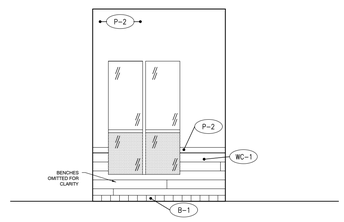
D2 INTERIOR ELEVATION

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



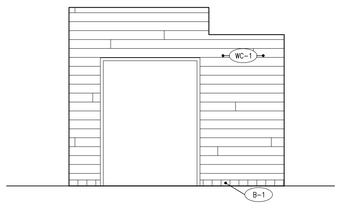
D3 INTERIOR ELEVATION

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



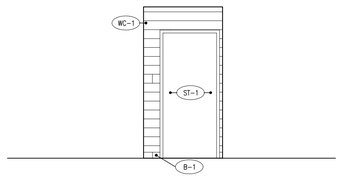
D4 INTERIOR ELEVATION

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



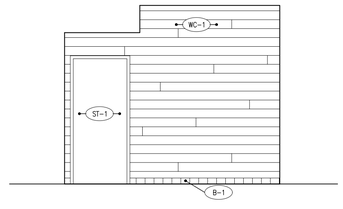
C1 INTERIOR ELEVATION

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



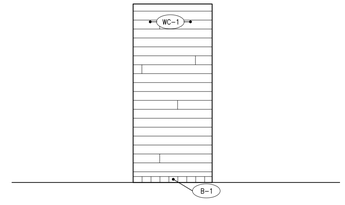
C2 INTERIOR ELEVATION

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



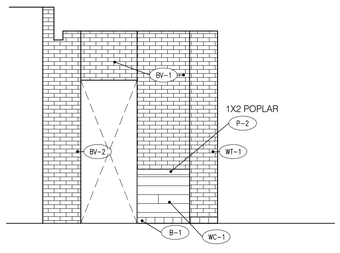
C3 INTERIOR ELEVATION

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



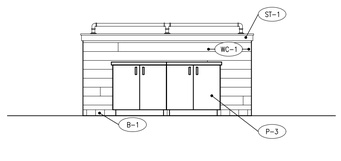
C4 INTERIOR ELEVATION

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



B1 INTERIOR ELEVATION

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



B2 INTERIOR ELEVATION

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

INTERIOR FINISH SCHEDULE

P-1 PAINT
MANUFACTURER: SHERWIN WILLIAMS
MODEL #: SW 7017
COLOR: DORIAN GRAY
NOTES:

P-2 PAINT
MANUFACTURER: SHERWIN WILLIAMS
MODEL #: SW 7020
COLOR: BLACK FOX
NOTES:

P-3 PAINT
MANUFACTURER: WILSON ART
COLOR: SLATE GREY
FINISH: MATTE

WT-1 CERAMIC TILE
MANUFACTURER: DALTILE
MODEL #: ANNAPOLIS
COLOR: SAIL

BV-1 BRICK VENEER
MANUFACTURER: MARION CERAMICS
MODEL #: TUMBLED VEE BRICK, 5/16"
COLORS: SAHARA 820 FLAT, SAHARA 825 FLAT, SAHARA 820 CORNERS (IF NEEDED), SAHARA 825 CORNERS (IF NEEDED), CHINO 600 FLAT, TANGIER 675 FLAT, TANGIER 675 CORNERS (IF NEEDED)

BV-2 BRICK VENEER
MANUFACTURER: MARION CERAMICS
MODEL #: TUMBLED VEE BRICK, 5/16"
COLORS: SAHARA 820 FLAT, SAHARA 825 FLAT, SAHARA 820 CORNERS (IF NEEDED), SAHARA 825 CORNERS (IF NEEDED), CHINO 600 FLAT, TANGIER 675 FLAT, TANGIER 675 CORNERS (IF NEEDED)
NOTES: PAINTED WHITE

SS-1 STAINLESS STEEL
MANUFACTURER: TBD
MODEL #: TBD
COLORS: STAINLESS STEEL

SV-1 NATURAL STONE VENEER
MANUFACTURER: PRESTIGE STONE PRODUCTS
MODEL #: PROSTACK MESA CREAM HANDI PAK FLATS AND CORNERS

CG-1 CORRUGATED PANEL
MANUFACTURER: TBD
SIZE: 3/4" CORRUGATED METAL PANEL
COLOR: GALVANIZED
NOTES: HORIZONTAL AT WAINSCOTS
VERTICAL AT "MASTERS OF MEAT"

PK-1 BURNISHED WOOD
MANUFACTURER: TBD
SIZE: 1"x6" PINE PLANKS
FINISH: TORCH BURNISHED TO DARK FINISH, THEN APPLY MATTE EPOXY

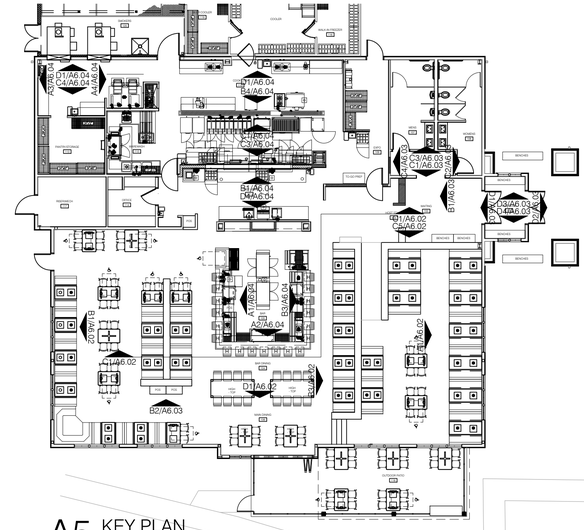
FRP-1 FRP PANELS
MANUFACTURER: TBD
SIZE: 4'X10' PANELS
FINISH: MATCH EXISTING

ST-1 WOOD STAIN
MANUFACTURER: MINWAX
MODEL #: 2716
COLOR: DARK WALNUT
NOTES: WOOD TO BE RED OAK

WC-1 VINYL WALL COVERING
MANUFACTURER: KOROSEAL
MODEL #: HERITAGE WOOD, HW29-60
COLOR: ALDER
REMARKS: REPEAT: V:35.5"

B-1 PORCELAIN BASE 6"x12"
MANUFACTURER: DALTILE
MODEL #: PIAZA NOVA BROWN VISION
CONTACT: WWW.DALTILE.COM
GROUT: DARK GROUT TO MATCH

RT-1 RUBBER COVE BASE 6"x12"
MANUFACTURER: TBD
MODEL #: TBD
CONTACT: TBD
GROUT: BLACK



A5 KEY PLAN

SCALE: N.T.S.

6 SEATS
OT COUNTING PATIO)

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF SPIKES
001.025992
STATE OF ILLINOIS

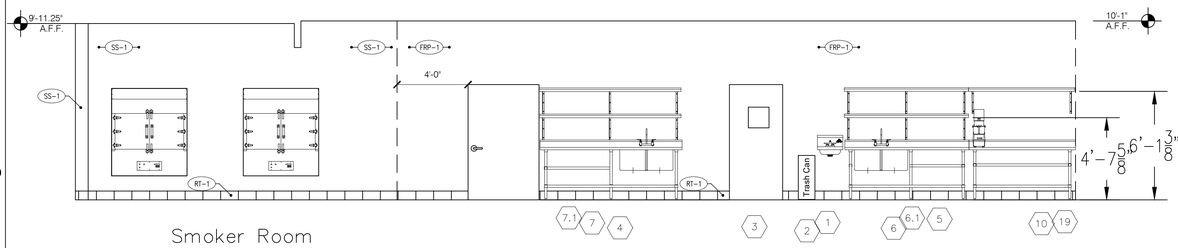
INTERIOR ELEVATIONS

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET A6.03

DATE 11/11/22

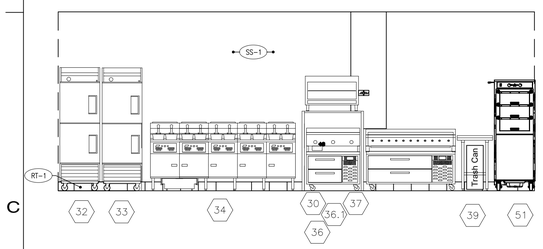


Smoker Room

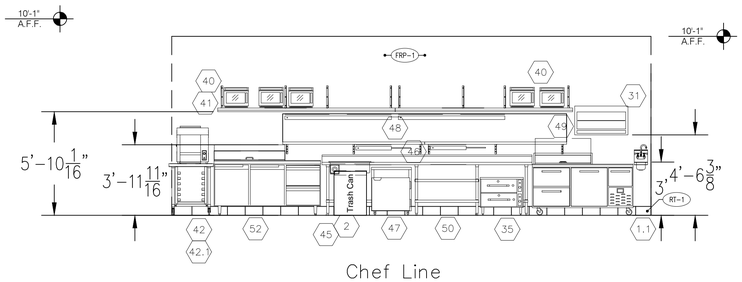
Prep Line

D1 INTERIOR ELEVATION

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



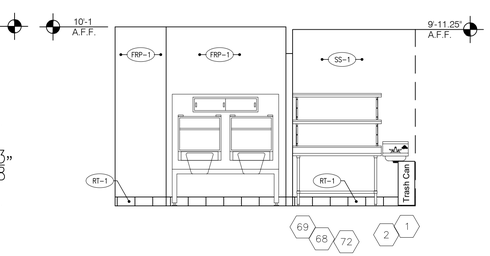
Main Cookline



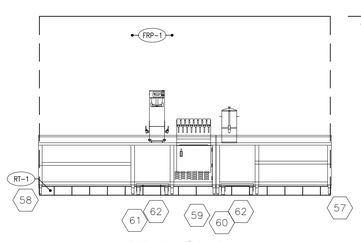
Chef Line

D4 INTERIOR ELEVATION

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



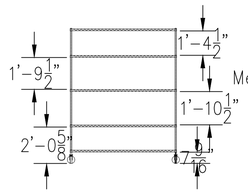
Smoker Room Prep



Wait Station

INTERIOR FINISH SCHEDULE

P-1	PAINT MANUFACTURER: SHERWIN WILLIAMS MODEL #: SW 7017 COLOR: DORIAN GRAY NOTES:	SV-1	NATURAL STONE VENEER MANUFACTURER: PRESTIGE STONE PRODUCTS MODEL #: PROSTACK MESA CREAM HANDI PAK FLATS AND CORNERS
P-2	PAINT MANUFACTURER: SHERWIN WILLIAMS MODEL #: SW 7020 COLOR: BLACK FOX NOTES:	CG-1	CORRUGATED PANEL MANUFACTURER: TBD SIZE: #: 3/4" CORRUGATED METAL PANEL COLOR: GALVANIZED NOTES: HORIZONTAL AT WAINSCOTS VERTICAL AT "MASTERS OF MEAT"
P-3	PAINT MANUFACTURER: WILSON ART COLOR: SLATE GREY FINISH: MATTE	PK-1	BURNISHED WOOD MANUFACTURER: TBD SIZE: 1"x6" PINE PLANKS FINISH: TORCH BURNISHED TO DARK FINISH, THEN APPLY MATTE EPOXY
WT-1	CERAMIC TILE MANUFACTURER: DALTILE MODEL #: ANNAPOLIS COLOR: SAIL	FRP-1	FRP PANELS MANUFACTURER: TBD SIZE: 4'X10' PANELS FINISH: MATCH EXISTING
BV-1	BRICK VENEER MANUFACTURER: MARON CERAMICS MODEL #: TUMBLED VEE BRICK, 5/16" COLORS: SAHARA 820 FLAT, SAHARA 825 FLAT, SAHARA 820 CORNERS (IF NEEDED), SAHARA 825 CORNERS (IF NEEDED), CHINO 600 FLAT, TANGER 675 FLAT, TANGER 675 CORNERS (IF NEEDED)	ST-1	WOOD STAIN MANUFACTURER: MINWAX MODEL #: 2716 COLOR: DARK WALNUT NOTES: WOOD TO BE RED OAK
BV-2	BRICK VENEER MANUFACTURER: MARON CERAMICS MODEL #: TUMBLED VEE BRICK, 5/16" COLORS: SAHARA 820 FLAT, SAHARA 825 FLAT, SAHARA 820 CORNERS (IF NEEDED), SAHARA 825 CORNERS (IF NEEDED), CHINO 600 FLAT, TANGER 675 FLAT, TANGER 675 CORNERS (IF NEEDED) NOTES: PAINTED WHITE	WC-1	VINYL WALL COVERING MANUFACTURER: KOROSEAL MODEL #: HERITAGE WOOD, HW29-60 COLOR: ALDER REMARKS: REPEAT: V:35.5"
SS-1	STAINLESS STEEL MANUFACTURER: TBD MODEL #: TBD COLORS: STAINLESS STEEL	B-1	PORCELAIN BASE 6"x12" MANUFACTURER: DALTILE MODEL #: PLAZA NOVA BROWN VISION CONTACT: WWW.DALTILE.COM GROUT: DARK GROUT TO MATCH
		RT-1	RUBBER COVE BASE 6"x12" MANUFACTURER: TBD MODEL #: TBD CONTACT: TBD GROUT: BLACK



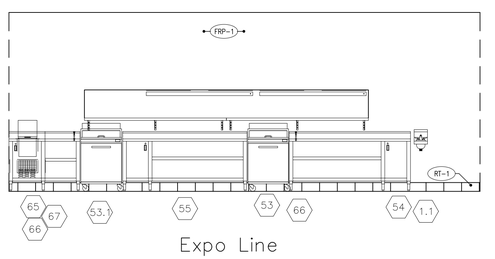
Shelving Measurements

C6 INTERIOR ELEVATION

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

C1 INTERIOR ELEVATION

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



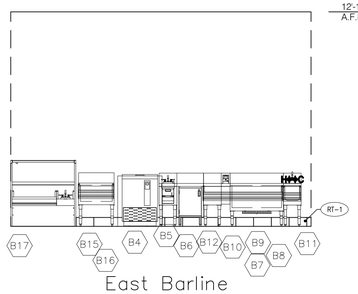
Expo Line

B1 INTERIOR ELEVATION

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

C3 INTERIOR ELEVATION

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



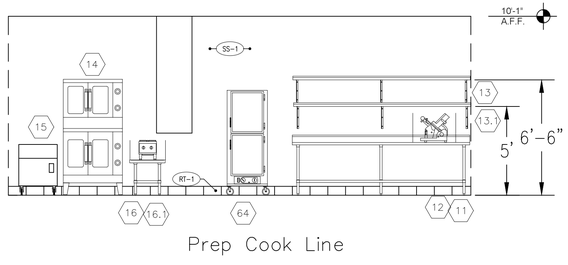
East Barline

B3 INTERIOR ELEVATION

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

C4 INTERIOR ELEVATION

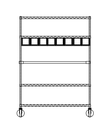
SCALE: 1/4" = 1'-0"



Prep Cook Line

B4 INTERIOR ELEVATION

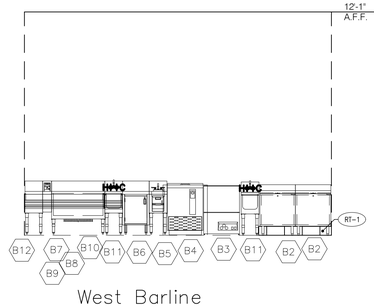
SCALE: 1/4" = 1'-0"



Carryout Station

B6 INTERIOR ELEVATION

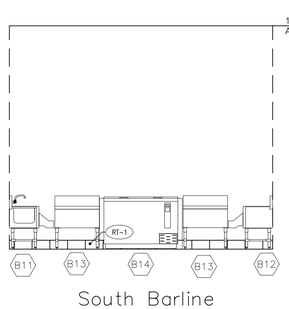
SCALE: 1/4" = 1'-0"



West Barline

A1 INTERIOR ELEVATION

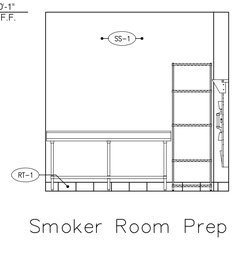
SCALE: 1/4" = 1'-0"



South Barline

A2 INTERIOR ELEVATION

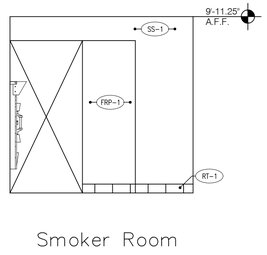
SCALE: 1/4" = 1'-0"



Smoker Room Prep

A3 INTERIOR ELEVATION

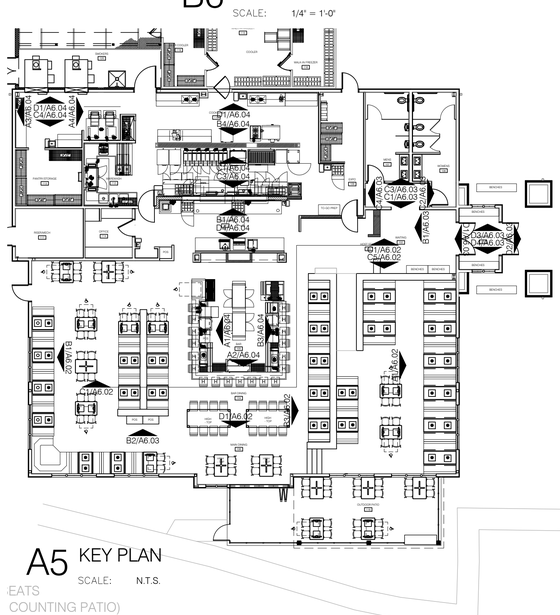
SCALE: 1/4" = 1'-0"



Smoker Room

A4 INTERIOR ELEVATION

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



A5 KEY PLAN

SCALE: N.T.S.

EATS
COUNTING PATIO)

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

JEFF SPIKES
001.025992
REGISTERED ARCHITECT
STATE OF ILLINOIS

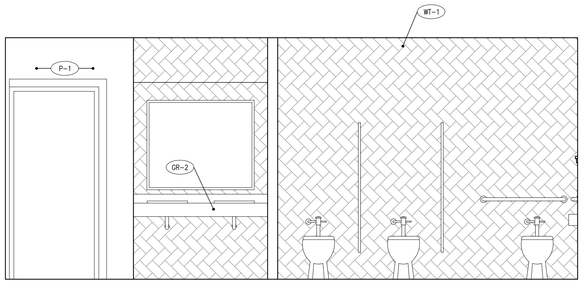
KITCHEN ELEVATIONS

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

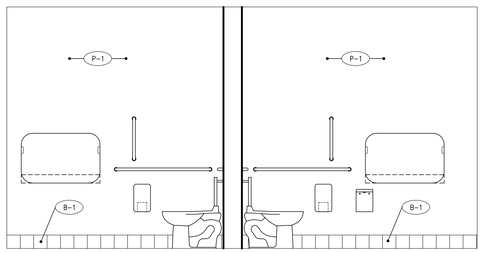
SHEET A6.04

DATE 11/11/22



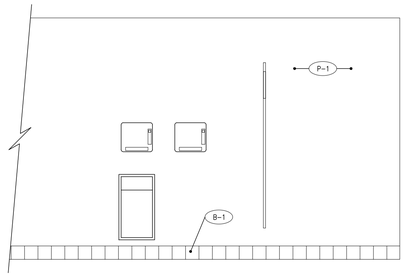
D1 RESTROOM INTERIOR ELEVATION

SCALE: 3/8" = 1'-0"



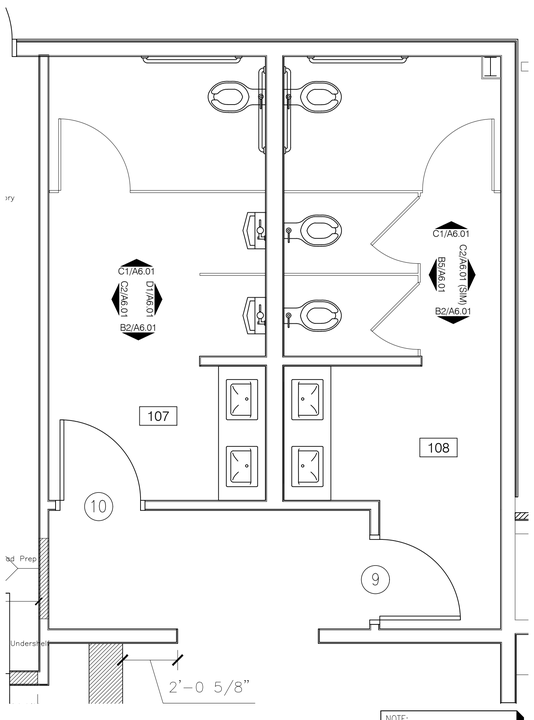
C1 RESTROOM INTERIOR ELEVATION

SCALE: 3/8" = 1'-0"



C2 RESTROOM INTERIOR ELEVATION

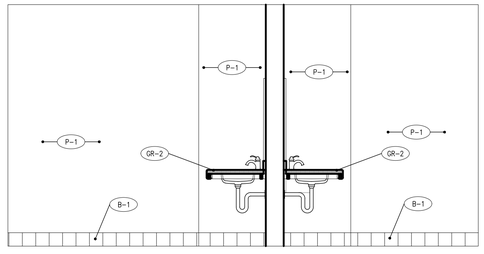
SCALE: 3/8" = 1'-0"



A1 ENLARGED RESTROOM PLAN

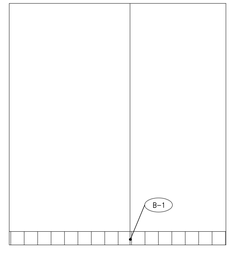
SCALE: 3/8" = 1'-0"

NOTE:
SEE SHEET A8.01 FOR ACCESSIBLE MOUNTING HEIGHTS & LOCATIONS



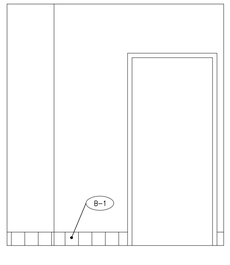
B2 RESTROOM INTERIOR ELEVATION

SCALE: 3/8" = 1'-0"



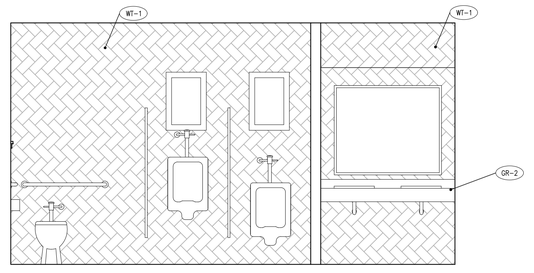
A2 RESTROOM INTERIOR ELEVATION

SCALE: 3/8" = 1'-0"



A4 RESTROOM INTERIOR ELEVATION

SCALE: 3/8" = 1'-0"



B5 RESTROOM INTERIOR ELEVATION

SCALE: 3/8" = 1'-0"

TOILET ACCESSORY SCHEDULE

ITEM	ACCESSORY	LOCATION	MANU.	MODEL NO.	COLOR/STYLE	SIZE/REMARKS
1	ACCESS. SOAP DISPENSER	LAVATORY	BRADLEY	BRADEX 6326	S.S. SATIN FINISH	-
2	ACCESSIBLE FAUCET (MANUAL)	LAVATORY	MOEN	WS84414MSRN	BRUSHED NICKEL	SURFACE MOUNTED ON LAVATORY COUNTER
3	ACCESS. LAVATORY	LAVATORY	KOHLER	K-2330	WHITE	UNDERMOUNT -KATHRYN SINK
4	TOILET PARTITIONS	LAVATORY	BOBRICK	HIGH PRESSURE LAMINATE CLASSIC SERIES	FORMICA CHESTNUT WOODLINE 5884-58	CHROME HARDWARE OR EQUAL. FLOOR MOUNTED O.H. BRACED
5	T.P. DISPENSER	W.C. STALL	SAN JAMAR	R3500TBK	BLACK PLASTIC	SURFACE MOUNTED -PROVIDED BY OWNER & INSTALLED BY G.C.
6	SANITARY NAPKIN DISPOSAL	WOMEN'S W.C. STALL	BOBRICK	B-270	S.S. SATIN FINISH	SURFACE MOUNTED
7	RECESS. WASTE RECEPT.	LAVATORY	BOBRICK	B-364	S.S. SATIN FINISH	RECESSED
8	WALL HUNG MIRROR	-	-	-	-	5'-3" WIDE, 40" TALL, 1/8"T. CLEAR TEMPERED GLASS, FRAMELESS
9	GRAB BARS	ACCESS. STALLS	BRADLEY	8120	S.S.	18" LONG, 1 1/2"ø WITH PEENED GRIP MOUNTED 40" A.F.F. & 40" AWAY FROM WALL. PROVIDE BLOCKING AS REQUIRED. (BY G.C.)
10	GRAB BARS	ACCESS. STALLS	BRADLEY	8120	S.S.	36" LONG, 1 1/2"ø WITH PEENED GRIP MOUNTED 36" A.F.F. & 6" AWAY FROM WALL. PROVIDE BLOCKING AS REQUIRED. (BY G.C.)
11	GRAB BARS	ACCESS. STALLS	BRADLEY	8120	S.S.	42" LONG, 1 1/2"ø WITH PEENED GRIP MOUNTED 36" A.F.F. & 6" AWAY FROM WALL. PROVIDE BLOCKING AS REQUIRED. (BY G.C.)
12	ACCESS. FLR. MNTD. WATER CLOSET	W.C. STALLS	AMERICAN STANDARD	3043.001 MADERA	WHITE	W/ MANUAL FLUSHOMETER
13	WALL MOUNTED URINAL	MEN'S W.C. STALL	AMERICAN STANDARD	6601.012 LYNBROOK	WHITE	W/ MANUAL FLUSHOMETER
14	MEN'S BRAILLE SAFETY SIGN	-	MGT. CO.	-	-	MOUNTED 60" A.F.F. TO CENTERLINE - (BY G.C.)
15	WOMEN'S BRAILLE SAFETY SIGN	-	MGT. CO.	-	-	MOUNTED 60" A.F.F. TO CENTERLINE - (BY G.C.)
16	COAT HOOKS	W.C. STALLS	TBD	-	-	MOUNTED 60" A.F.F.
17	TOILET SEAT COVERS	W.C. STALLS	BOBRICK	B-221	S.S.	SURFACE MOUNTED ON PARTITION
18	BABY CHANGING STATION	H.C. STALLS	KOALA KARE	KB200-05	"WHITE GRANITE"	44" A.F.F. TO HANDLE CENTERLINE, PROVIDE CONT. METAL OR FRT WOOD BLOCKING AS REQUIRED

NOTES
1. ALL TOILET ACCESSORIES SHALL MEET ALL REQUIREMENTS OF THE A.D.A.A.G ACCESSIBILITY GUIDELINES
2. LAVATORY MIRRORS TO BE MOUNTED SO THAT REFLECTING SURFACE IS 40" MAX. ABOVE THE FLOOR.
3. PROVIDE SOLID WOOD 2x BLOCKING AT ALL GRAB BAR LOCATIONS.
4. HOT WATER AND DRAIN PIPES EXPOSED UNDER SINK MUST BE INSULATED TO PROTECT AGAINST CONTACT. WRAP EXPOSED PLUM WITH WHITE VINYL INSULATED KIT.
5. FLUSH CONTROLS FOR WATER CLOSETS SHALL BE LOCATED ON THE WIDE SIDE OF THE W.C.
6. G.C. TO VERIFY: PRIOR TO INSTALLING RECESSED PAPER TOWEL HOLDER, VERIFY LIGHT SWITCH LOCATION AND LOCATE PAPER TOWEL DISPENSER ACCORDINGLY.
7. CONTRACTOR TO PROVIDE FRT WD. BLOCKING IN WALL CAVITIES AS REQ. TO SUPPORT ALL FIXTURES, FURNISHINGS & EQUIPMENT REGARDLESS WHETHER ITEMS ARE SUPPLIED BY OWNER OR CONTRACTOR.
8. ALL GYP. BOARD INSTALLED IN TOILET ROOMS SHALL BE MOISTURE RESISTANT.

NOTE:
RESTROOMS FIXTURE LOCATIONS ARE EXISTING EXCEPT WHERE OTHERWISE NOTED. GC TO VERIFY EXISTING CONDITIONS.

RESTROOM FINISH SCHEDULE

P-1 PAINT
MANUFACTURER: SHERWIN WILLIAMS
MODEL #: SW 7017
COLOR: DORIAN GRAY
NOTES: EPOXY PAINTED IN RESTROOMS

B-1 PORCELAIN BASE 6"x12"
MANUFACTURER: DALTILE
MODEL #: PLAZA NOVA BROWN VISION
CONTACT: WWW.DALTILE.COM
GROUT: MAPEI 42 - "MOCHA"

WT-1 CERAMIC TILE
MANUFACTURER: DALTILE
MODEL #: ANNAPOLIS
COLOR: SAIL

GR-2 QUARTZ LAVATORY COUNTERTOP
MANUFACTURER: MSI
COLOR: FROST WHITE QUARTZ
REMARKS: 2 CM THICKNESS

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF SPIKES
001.025992
STATE OF ILLINOIS

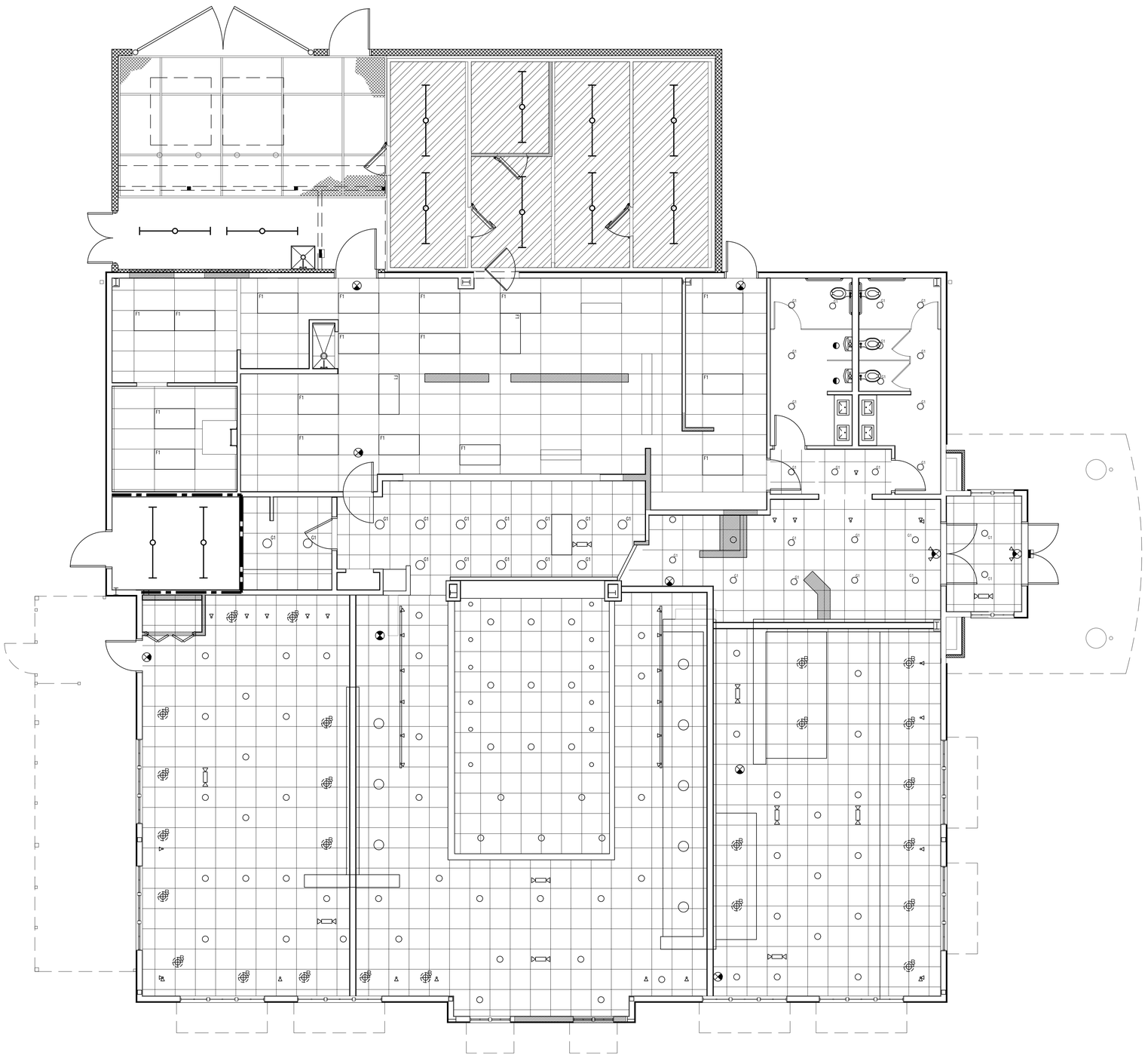
RESTROOM PLAN & DETAILS

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET A6.05

DATE 11/11/22



A1 EXISTING REFLECTED CEILING PLAN

SCALE: 3/16" = 1'-0"

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF
SPIKES
001.025992
STATE OF ILLINOIS

EXISTING
REFLECTED
CEILING PLAN

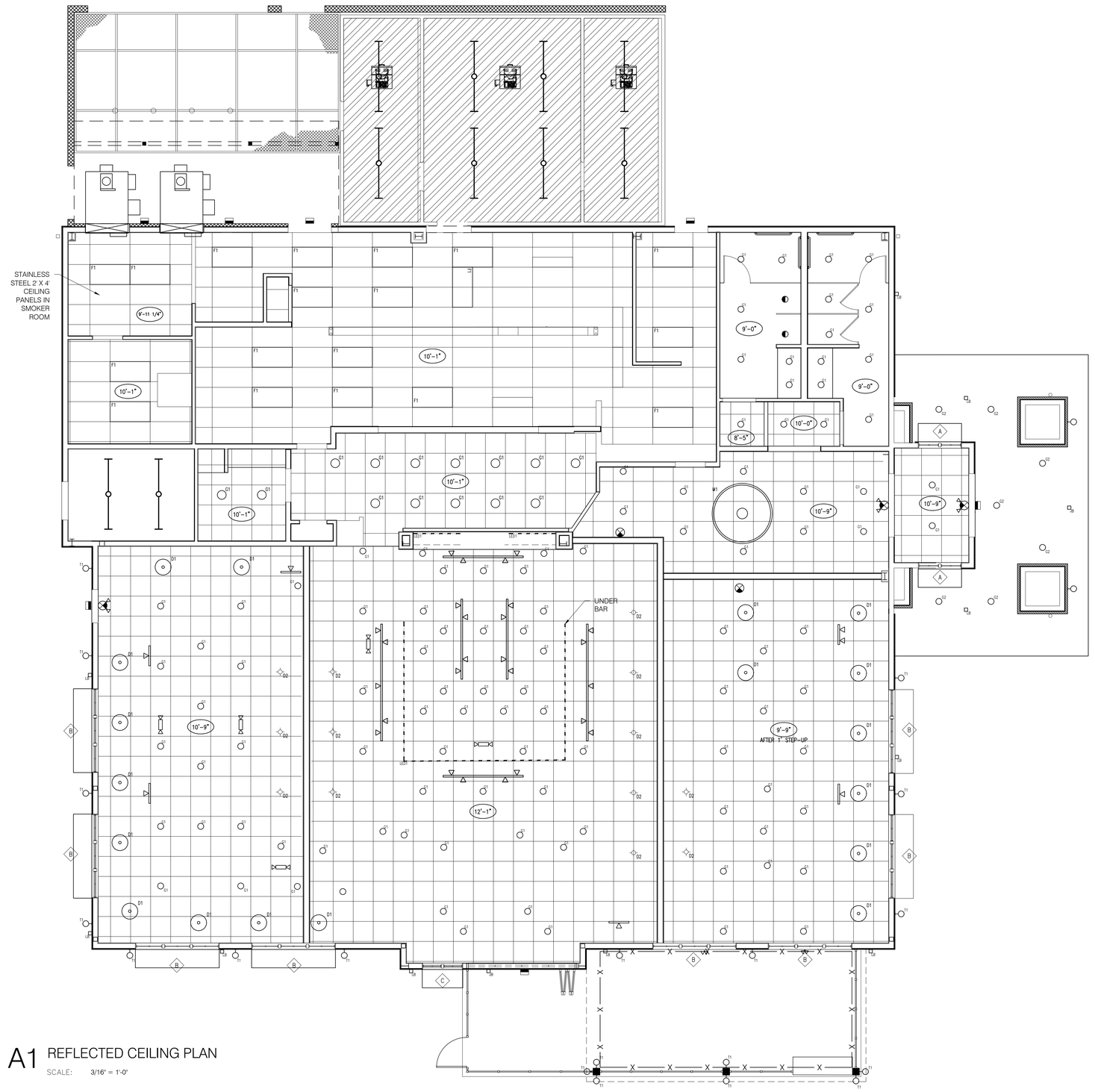
REVISIONS	
NO.	DATE

PROJECT NO:
IA 2230

SHEET
A7.00

DATE 11/11/22

Nov 11, 2022 - 12:33pm
D:\Dropbox (Personal)\ARCHITECTURE\2230_Smokey Bones_Champaign IL\Construction Documents\Drawings\Current\A7.00 A7.01 ERCP&RCP.dwg



A1 REFLECTED CEILING PLAN

SCALE: 3/16" = 1'-0"

REFLECTED CEILING PLAN SYMBOL LEGEND

LED1	----------	LED ROPE LIGHT MANUFACTURER: COORDINATE WITH OWNER	
G1	○	6"ø RECESSED DOWNLIGHT MANUFACTURER: HALO COMMERCIAL HOUSING MODEL #: HALO HC6 6" CAN LAMP: HALO HMK-12-835 (6" LED MODULE, 1,000 LUMENS, 80 CRI, 3500K CCT)	PAINT TRIMS TO MATCH ADJACENT SURFACES
G2	○	6"ø RECESSED DOWNLIGHT MANUFACTURER: HALO COMMERCIAL HOUSING MODEL #: HALO HC6 6" CAN LAMP: HALO HMK-12-835 (6" LED MODULE, 1,000 LUMENS, 80 CRI, 3500K CCT)	REQUIRES INSTALLATION WITH TRIMS AND BAFFLES THAT ARE UL WET LOCATION APPROVED.
M1	○	CUSTOM WHEEL LIGHT FIXTURE MANUFACTURER: HI-LITE MFG. CO. MODEL #: H-WLSMTRYB-4 DIMENSIONS: 72"H X 12"ø FINISH: 117-PAINTED STEEL REMARKS: MOUNTED ON STEM W/4 AIRCRAFT CABLES 120V	
S1	— x —	EXTERIOR GARDEN STRING LIGHTING MANUFACTURER: AMERICAN LIGHTING MODEL #: LS2-WS-24-48-BK DIMENSIONS: ~80'-0" TOTAL LENGTH FINISH: BLACK	
D1	⊙	PENDANT LIGHT FIXTURE MANUFACTURER: HI-LITE MFG. CO. MODEL #: H-VLSBPNT1 DIMENSIONS: 8 1/2"H x 12"ø FINISH: OLD NICKEL LAMP: 11.5W LED A19 REMARKS:	
D2	⊙	PENDANT LIGHT FIXTURE MANUFACTURER: CONTECH LIGHTING MODEL #: OFG308 DIMENSIONS: 10 1/8"H x 4 3/4"ø FINISH: RED LAMP: TBD	
F1	▭	2x4 LED LIGHT FIXTURE MANUFACTURER: METALUX MODEL #: 24CGT4532C REMARKS: 2X4 LED LAY-IN	
F2	□	2x2 FLUORESCENT LIGHT FIXTURE MANUFACTURER: METALUX MODEL #: SSF-232-120-EB8 W/ REFLECTOR OR EQUAL LAMP: (2) 32W T8 REMARKS:	EXISTING
L1	▭	MONOPOINT/TRACK LIGHTING MANUFACTURER: JUNO MODEL #: R600L-G2-30K-80CRI-PDW-FL-BL / T88L / T48L / T398L / T239L FINISH: BLACK LAMP: 10W LED REMARKS: ~SEE GENERAL NOTES & INTERIOR ELEVATIONS FOR MOUNTING INFORMATION ~PROVIDE 24" INCREMENTS IN LENGTH (F.V.) ~B/O TRACK @ 11'-0" A.F.F. (TYP.)	
JB	□	JUNCTION BOX SIGN POWER PROVIDE POWER FOR ILLUMINATED SIGNAGE COORDINATE WITH SIGNAGE COMPANY	
LB	□	JUNCTION BOX LIGHTBAND POWER (INSIDE PARAPET) PROVIDE POWER FOR ILLUMINATED LIGHTBAND COORDINATE WITH SIGNAGE COMPANY	
T1	T	DECORATIVE WATER PROOF EXTERIOR GOOSE NECK MANUFACTURER: HI-LITE MFG. CO. MODEL #: H-GM-10-96 DIMENSIONS: 11"H X 10"W FINISH: 96 (GALV.) LAMP: 20W LED REMARKS: WEATHERPROOF	

R.C.P. GENERAL NOTES

1. ALL FRONT OF HOUSE LIGHT FIXTURES TO BE DIMMABLE.
2. PREP & PAINT EXPOSED ACCESSORIES & ELECTRICAL CONDUIT.
3. ALL PENETRATIONS SHALL BE FIRE SAFED AND ACOUSTICALLY SEALED TO MAINTAIN BASE BUILDING RATINGS AS APPLICABLE.
4. G.C. SHALL PROVIDE BLOCKING, LIGHT GAUGE, OR MTL. FRAMING/UNISTRUT TO SUPPORT ALL CEILING FIXTURES INDEPENDENTLY OF ROOF DECK.
5. SPRINKLER SYSTEM, FIRE ALARM, & FIRE EXTINGUISHER TYPES & LOCATIONS ARE DESIGN/PERMIT/BUILD BY G.C. AT G.C. EXPENSE. G.C. TO VERIFY W/ LANDLORD DESIGNATED CONTRACTORS.
6. VERIFY HEIGHTS AND LOCATIONS OF ALL LIGHTING FIXTURES AND MECHANICAL REGISTERS IN FIELD W/ ARCHITECT AND OWNER. FINISH OF EXPOSED DUCTWORK AND REGISTERS SHALL BE INDICATED ON PLANS & FINISH SCHEDULE.
7. COORDINATE FIRE ALARM DEVICES TO AVOID CONFLICTS WITH FINISHES. SEE INTERIOR ELEVATIONS & DETAILS.
8. ALL LIGHT FIXTURES TO BE U.L. LISTED THROUGHOUT AND SHIELDED AT FOOD PREPARATION AREAS.
9. LIGHTING AT WORK AREAS AND BARS TO BE MIN. 50 FOOTCANDLES (INCLUDING SHIELDED LIGHTING). LIGHTING AT HAND SINK AREAS TO BE MIN. 50 FOOTCANDLES. LIGHTING AT WALK-IN FOOD COOLER AND WALK-IN BEER COOLER TO BE MIN. 20 FOOTCANDLES.
10. CONTRACTOR TO PROVIDE ELECTRICAL AS REQUIRED TO SIGNAGE (INTERIOR & EXTERIOR) ~VERIFY LOCATION/HEIGHT AND POWER REQUIREMENTS IN FIELD WITH OWNER.
11. G.C. SHALL PROVIDE PRE-FABRICATED RECESSED METAL ACCESS PANELS IN GYP. BOARD CEILINGS AS REQUIRED FOR THE PROPER MAINTENANCE OF ELECTRICAL EQUIPMENT. G.C. TO COORDINATE SIZES AND LOCATIONS IN FIELD WITH ARCHITECT AND OWNER. PAINT PANELS TO MATCH ADJACENT CEILING FINISH.
12. DECORATIVE PENDANTS: VERIFY HEIGHT IN FIELD WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION. G.C. SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES NOTED.
13. G.C. TO PROVIDE 10% EXTRA TRACK HEADS.
14. BOTTOM OF DINING ROOM PENDANT LIGHTS TO BE AT 5'-6" AFF (TYPICAL)
15. ALL EXPOSED LOW-VOLTAGE WIRE (EXCEPT FIRE ALARM WIRING) SHALL BE 'BLACK' OR WRAPPED IN 'BLACK' PVC SHEATH (TYP.)
16. G.C. TO PROVIDE & INSTALL CAGE/SHIELD OVER EMERGENCY ELECTRICAL SHUTOFF SWITCH
17. PAINT ALL RECEPTACLE COVERS & EXPOSED CONDUIT / J-BOXES TO MATCH ADJACENT FINISHES. (TYPICAL, ALL LOCATIONS)
18. MOUNT ALL FIXTURES OVER MOVABLE TABLES ON UNISTRUT OR LIGHTING TRACK AS APPROPRIATE FOR FIXTURE WEIGHT.
19. PAINT ALL UNISTRUTS & THREADED ROD SUPPORTS 'BLACK' (TYPICAL, ALL LOCATIONS)
20. G.C. SHALL PROVIDE BLKG. / UNISTRUT ATTACHED TO ROOF JOISTS AS REQ'D TO MOUNT FIXTURES INDEPENDENT OF ROOF DECK.
21. ALL WIFI, SECURITY, & SPEAKER LOCATIONS TO BE VERIFIED IN FIELD W/ ARCHITECT PRIOR TO INSTALLATION.

R.C.P. KEYNOTES

1. PROVIDE J-BOX FOR WALL-MOUNTED SIGNAGE
   —G.C. TO VERIFY EXACT LOCATION W/ OWNER'S SIGNAGE CONSULTANT
   ~SEE INTERIOR & EXTERIOR ELEVATIONS
2. FLAT PANEL T.V. SUPPORT ~SEE INTERIOR ELEVATIONS & DETAILS
3. FLAT PANEL T.V. LOCATION ~SEE ELECTRICAL DRAWINGS ~CONCEAL T.V./A.V. WIRING FROM PUBLIC VIEW
4. EXPOSED MECH. DUCTS AND DIFFUSERS ~SEE MECH DWGS. ~PROVIDE PRE-FIN. METAL TRIM RING AROUND DUCT AT CEILING PANEL PENETRATION ~SEE INTERIOR ELEVS. FOR PAINT COLOR
5. 5A. PROVIDE DIMMABLE J-BOX FOR '3R' SIGNAGE
   5B. PROVIDE DIMMABLE J-BOX FOR FLAME SCONCE
   5C. PROVIDE J-BOX FOR GAS SCONCE ELECTRONIC IGNITOR ~ SEE A4 ~SEE PLUMB & ELEC.
   5D. J-BOX FOR EXT. FLAME SCONCE ~SEE A12

VERIFY FIXTURE HEIGHTS IN FIELD W/ ARCHITECT & OWNER PRIOR TO STEM TRIMMING

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF SPIKES
001.025992
ILLINOIS

REFLECTED CEILING PLAN

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

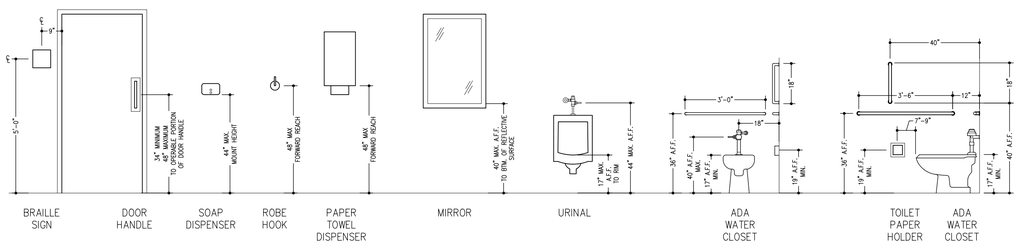
SHEET A7.01

DATE 11/11/22

Nov 11, 2022 - 12:33pm
D:\Dropbox (Personal)\ARCHITECTURE\2230_Smokey Bones_Champaign IL\Construction Documents\Drawings\Current\A7.00 A7.01 ERCP&RCP.dwg

NOTES
1. ALL TOILET ACCESSORIES SHALL MEET ALL REQUIREMENTS OF THE A.D.A.A.G ACCESSIBILITY GUIDELINES
2. LAVATORY MIRRORS TO BE MOUNTED SO THAT REFLECTING SURFACE IS 40" MAX. ABOVE THE FLOOR.
3. HOT WATER AND DRAIN PIPES EXPOSED UNDER SINK MUST BE INSULATED TO PROTECT AGAINST CONTACT.
4. G.C. TO PROVIDE BLOCKING AT ALL ACCESSORIES AS REQUIRED

ACCESSIBLE MOUNTING HEIGHTS NOT TO SCALE



PLUMBING ELEMENTS AND FACILITIES

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

Figure 604.3.1 Size of Clearance at Water Closets

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

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

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

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

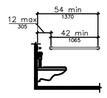


Figure 604.5.1 Side Wall Grab Bar at Water Closets

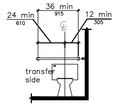


Figure 604.5.2 Rear Wall Grab Bar at Water Closets

604.8.1.2 Doors. Toilet compartment doors, including door hardware, shall comply with 404 except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum. Doors shall be located in the front partition or in the side wall or partition farthest from the water closet. Where located in the front partition, the door opening shall be 4 inches (100 mm) maximum from the side wall or partition farthest from the water closet. Where located in the side wall or partition, the door opening shall be 4 inches (100 mm) maximum from the front partition. The door shall be self-closing. A door pull complying with 404.2.7 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area.

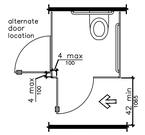


Figure 604.8.1.2 Wheelchair Accessible Toilet Compartment Doors

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

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

EXCEPTION: Toe clearance at the front partition is not required in a compartment greater than 62 inches (1575 mm) deep with a wall-hung water closet or 65 inches (1650 mm) deep with a floor-mounted water closet. Toe clearance at the side partition is not required in a compartment greater than 66 inches (1675 mm) wide. Toe clearance at the front partition is not required in a compartment for children's use that is greater than 65 inches (1650 mm)deep

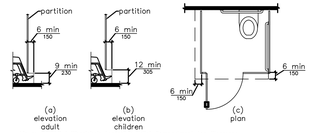


Figure 604.8.1.4 Wheelchair Accessible Toilet Compartment Toe Clearance

ACCESSIBILITY CLEARANCES NOT TO SCALE

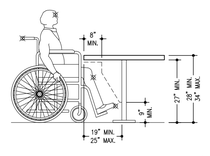
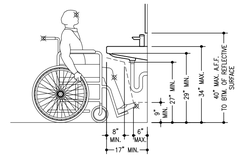


TABLE CLEARANCES



LAVATORY CLEARANCES

306 Knee and Toe Clearance

306.2 Toe Clearance.

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

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

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

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

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

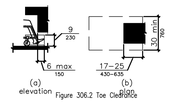


Figure 306.2 Toe Clearance

306.3 Knee Clearance.

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

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

306.3.3 Minimum Required Depth. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11 inches (280 mm) deep minimum at 9 inches (230 mm) above the finish floor or ground, and 8 inches (205 mm) deep minimum at 27 inches (685 mm) above the finish floor or ground.

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

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

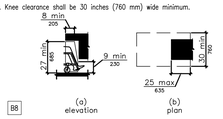


Figure 306.3 Knee Clearance

HANDRAILS

505 Handrails

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

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

505.2 Where Required. Handrails shall be provided on both sides of stairs and ramps.

505.3 Continuity. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs.

505.4 Height. Top of gripping surfaces of handrails shall be 34 inches (865 mm) minimum and 38 inches (965 mm) maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces.

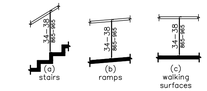


Figure 505.4 Handrail Height

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

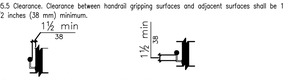


Figure 505.5 Handrail Clearance

Figure 505.6 Horizontal Projections Below Gripping Surface

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

505.7.1 Circular Cross Section. Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1 1/4 inches (32 mm) minimum and 2 inches (51 mm) maximum.

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

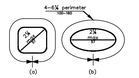


Figure 505.7.2 Handrail Non-Circular Cross Section

505.8 Surfaces. Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges.

505.9 Fittings. Handrails shall not rotate within their fittings.

505.10 Handrail Extensions. Handrail gripping surfaces shall extend beyond and in the same direction of stair flights and ramp runs in accordance with 505.10.

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

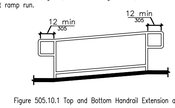


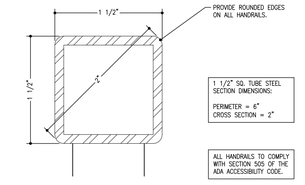
Figure 505.10.1 Top and Bottom Handrail Extension at Ramps

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

Figure 505.10.2 Top Handrail Extension at Stairs

Figure 505.10.3 Bottom Handrail Extension at Stairs

505.10.3 Bottom Extension at Stairs. At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extension shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.



COMMUNICATION ELEMENTS AND FEATURES

CHAPTER 7: COMMUNICATION ELEMENTS AND FEATURES

702 Fire Alarm Systems

702.1 General. Fire alarm systems shall have permanently installed audible and visible alarms complying with NFPA 72 (1999 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1), except that the maximum allowable sound level of audible notification appliances complying with section 4–3.2.1 of NFPA 72 (1999 edition) shall have a sound level no more than 110 dB at the minimum hearing distance from the audible appliance. In addition, alarms in guest rooms required to provide communication features shall comply with sections 4–3 and 4–4 of NFPA 72 (1999 edition) or sections 7.4 and 7.5 of NFPA 72 (2002 edition).

703 Signs

703.1 General. Signs shall comply with 703. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided.

703.2 Raised Characters. Raised characters shall comply with 703.2 and shall be duplicated in braille complying with 703.3. Raised characters shall be installed in accordance with 703.4.

703.2.1 Depth. Raised characters shall be 1/32 inch (0.8 mm) minimum above their background.

703.2.2 Case. Characters shall be uppercase.

703.2.3 Style. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.2.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.2.5 Character Height. Character height measured vertically from the baseline of the character shall be 5/8 inch (16 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase letter "I".

Figure 703.2.5 Height of Raised Characters

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

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

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

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

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

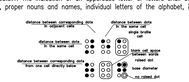


Figure 703.3.1 Braille Measurement

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

Figure 703.3.2 Position of Braille

703.4 Installation Height and Location. Signs with tactile characters shall comply with 703.4.

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

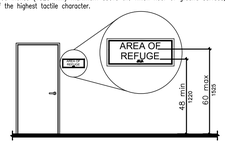


Figure 703.4.1 Height of Tactile Characters Above Finish Floor or Ground

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

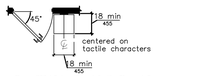


Figure 703.4.2 Location of Tactile Signs at Doors

703.5 Visual Characters. Visual characters shall comply with 703.5.

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

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

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

703.5.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

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

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

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

703.5.8 Character Spacing. Character spacing shall be measured between the two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10 percent minimum and 35 percent maximum of character height.

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

703.6 Pictograms. Pictograms shall comply with 703.6.

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

Figure 703.6.1 Pictogram Field
dark-on-light.

703.6.2 Finish and Contrast. Pictograms and their field shall have a non-glare finish. Pictograms shall contrast with their field with either a light pictogram on a dark field or a dark pictogram on a light field.

703.6.3 Text Descriptors. Pictograms shall have text descriptors located directly below the pictogram field. Text descriptors shall comply with 703.2, 703.3 and 703.4.

703.7 Symbols of Accessibility. Symbols of accessibility shall comply with 703.7.

703.7.1 Finish and Contrast. Symbols of accessibility and their background shall have a non-glare finish. Symbols of accessibility shall contrast with their background with either a light symbol on a dark background or a dark symbol on a light background.

704 Telephones

704.1 General. Public telephones shall comply with 704.

704.2 Wheelchair Accessible Telephones. Wheelchair accessible telephones shall comply with 704.2.

704.2.1 Clear Floor or Ground Space. A clear floor or ground space complying with 305 shall be provided. The clear floor or ground space shall not be obstructed by bases, enclosures, or seats.

Advisory 704.2.1 Clear Floor or Ground Space. Because clear floor and ground space is required to be unobstructed, telephones, enclosures and related telephone book storage cannot encroach on the required clear floor or ground space and must comply with the provisions for protruding objects. (See Section 307).

704.2.1.1 Parallel Approach. Where a parallel approach is provided, the distance from the edge of the telephone enclosure to the face of the telephone unit shall be 10 inches (255 mm) maximum.

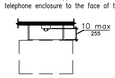


Figure 704.2.1.1 Parallel Approach to Telephone

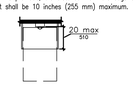


Figure 704.2.1.2 Forward Approach to Telephone

NOTE:

ALL RESTROOM FIXTURES ARE NEW.

G.C. SHALL VERIFY EXISTING CONDITIONS AND NEW AS PROPOSED COMPLIES WITH ADA CODE AS INDICATED IN THIS SHEET AND WILL UPDATE EXISTING TO STANDARD AS SHOWN ALL ADA ELEMENTS AS APPLICABLE

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

JEFF SPIKES
001.025992
REGISTERED ARCHITECT
STATE OF ILLINOIS

STANDARD MOUNTING HTS AND MISC DETAILS

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET A8.01

DATE 11/11/22

Nov 11, 2022 - 12:34pm
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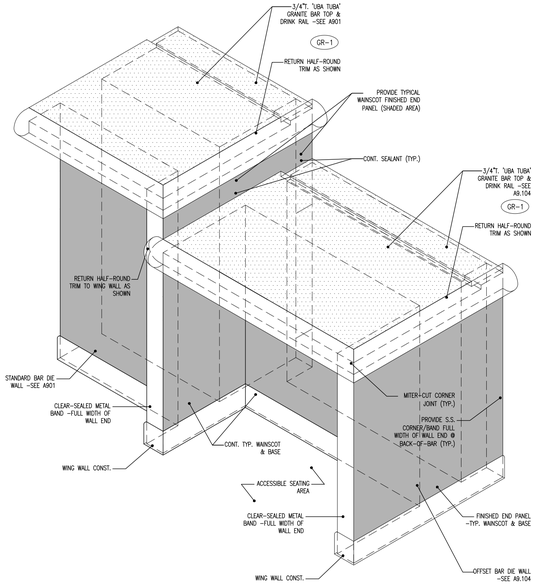

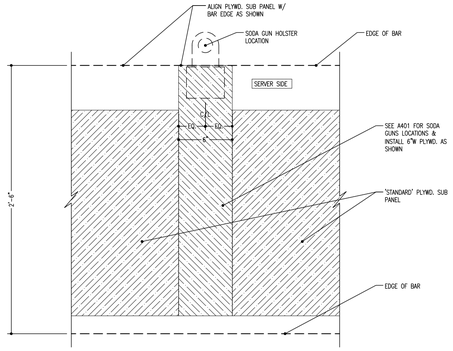

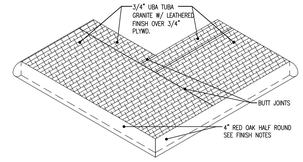

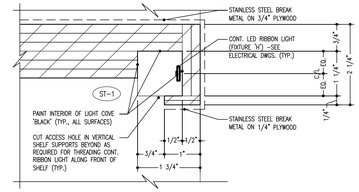

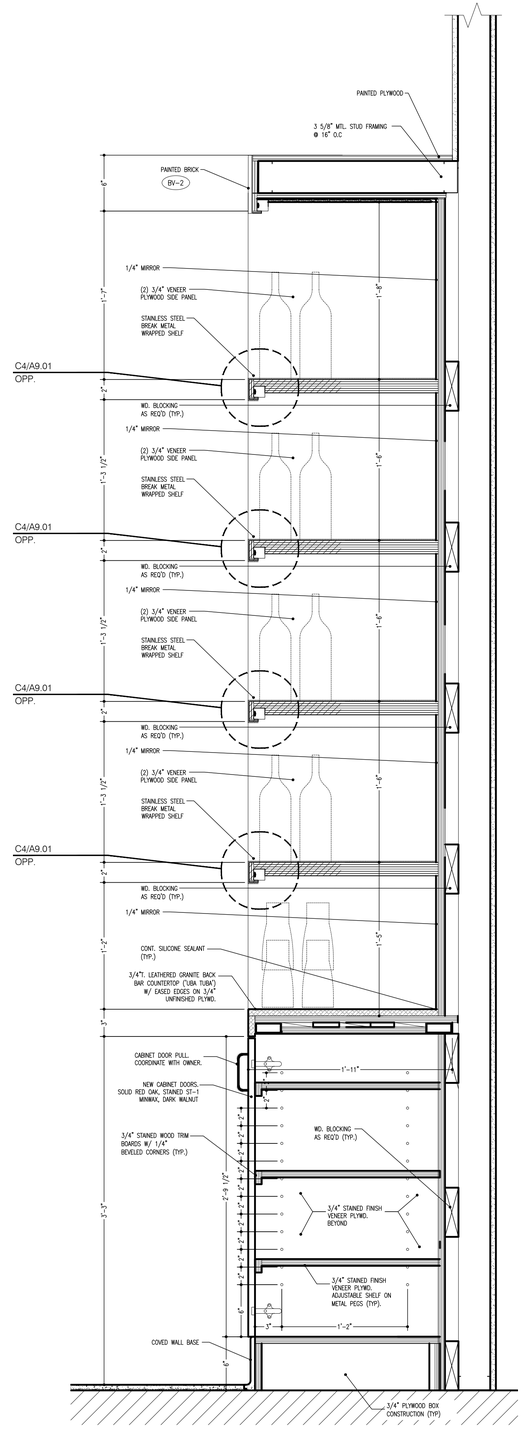

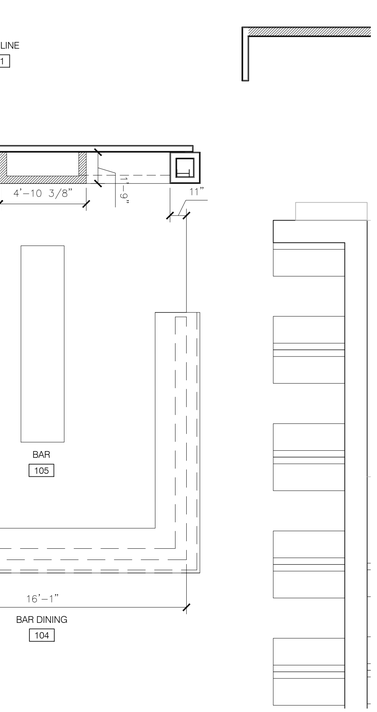

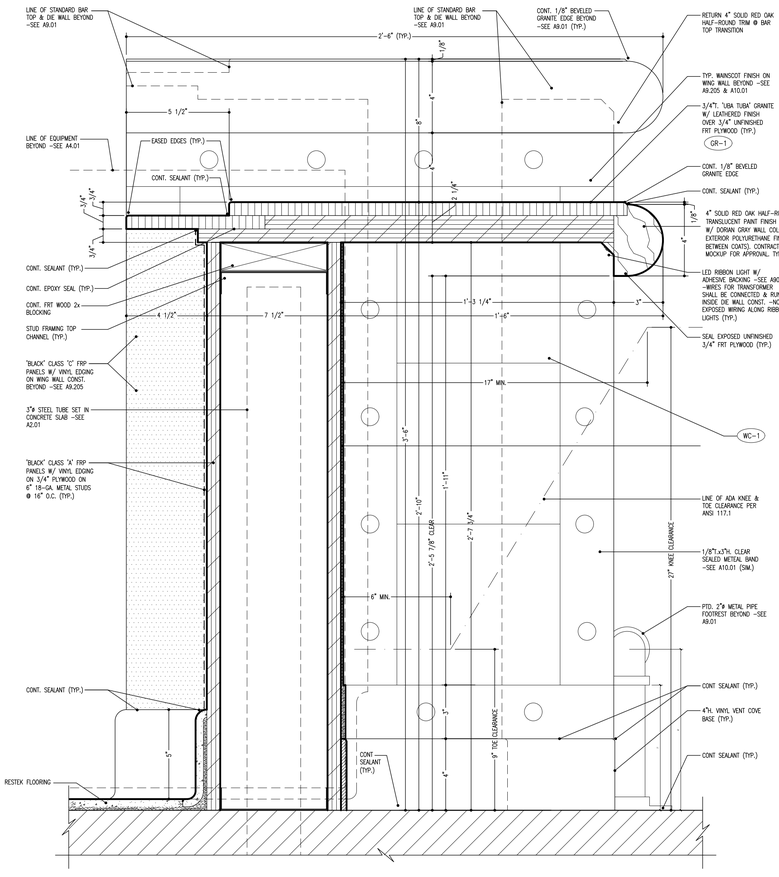

C1 ACCESSIBLE BAR SEATING ISOMETRIC

SCALE: N.T.S.

D3 SODA GUN HOLSTER SUPPORT DETAIL

SCALE: N.T.S.

D4 BAR CORNER DETAIL

SCALE: N.T.S.

C4 SHELF EDGE DETAIL

SCALE: N.T.S.

A1 BAR PLAN

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

A3 ACCESSIBLE BAR SEATING SECTION

SCALE: 3"=1'-0"

A6 BACK BAR WALL SECTION

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

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF SPIKES
001.025992
STATE OF ILLINOIS

BAR SECTIONS AND DETAILS

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

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DATE 11/11/22

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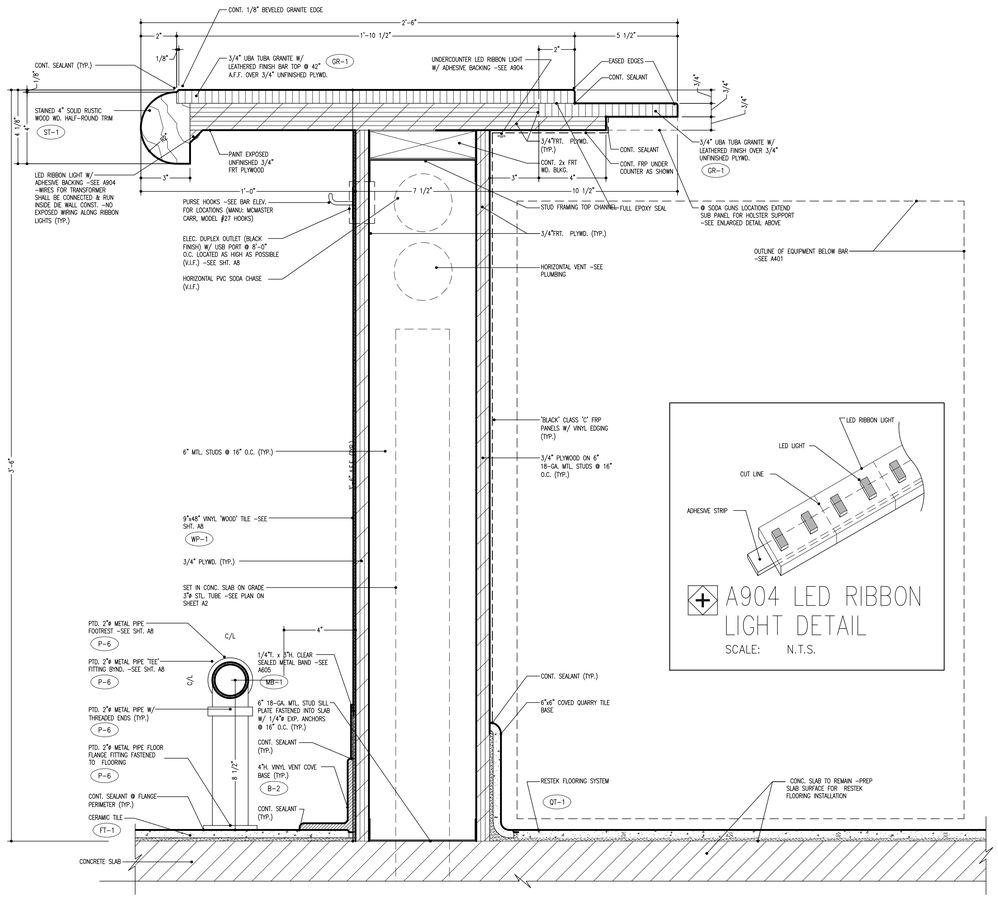
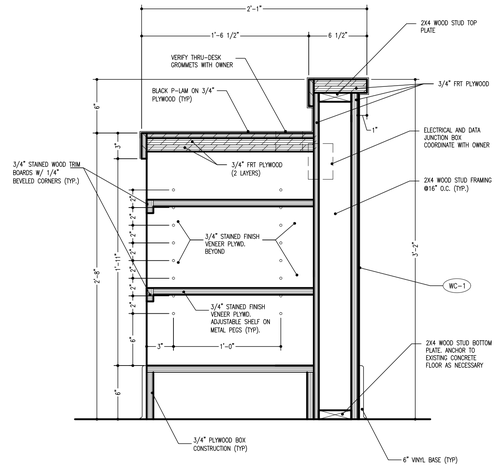


B1 BAR SECTION

SCALE: 3"=1'-0"

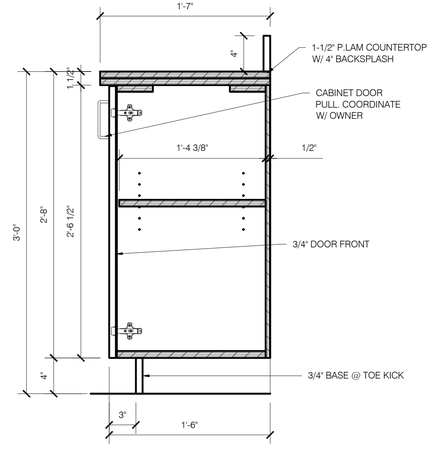
A904 LED RIBBON LIGHT DETAIL

SCALE: N.T.S.



B4 HOST STAND DETAIL

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



A4 HOST STAND DETAIL

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

SMOKEY BONES
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BAR SECTIONS AND DETAILS

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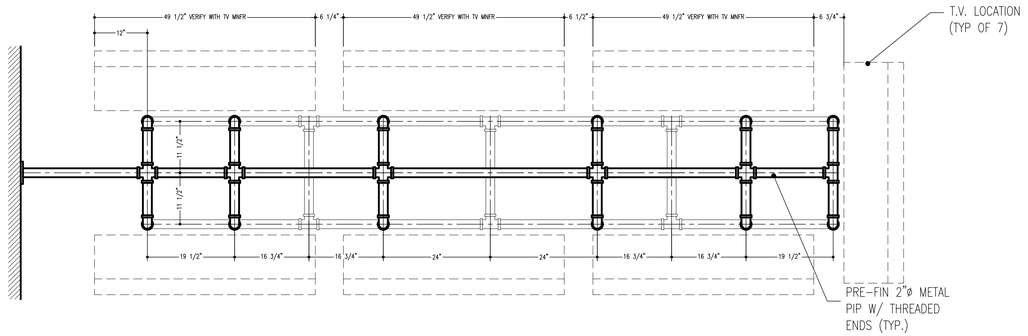

D1 TRELLIS PLAN

SCALE: 3/4"=1'-0"

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
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BAR TRELLIS
PLAN

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PROJECT NO:
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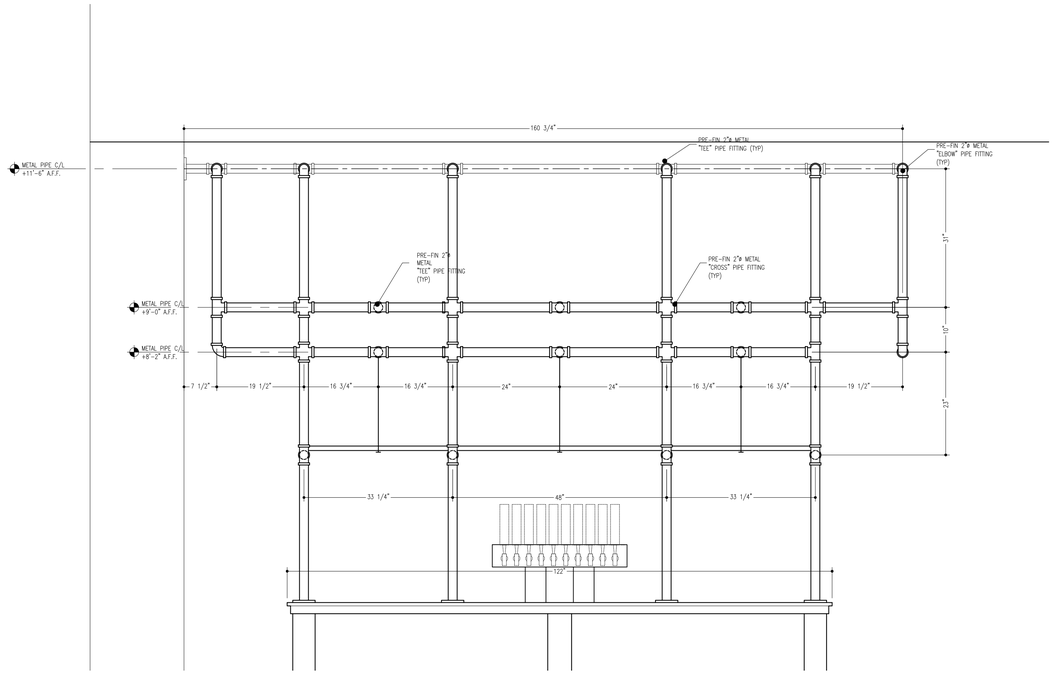
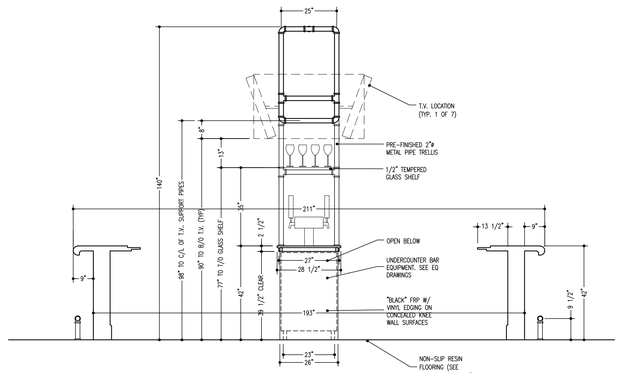


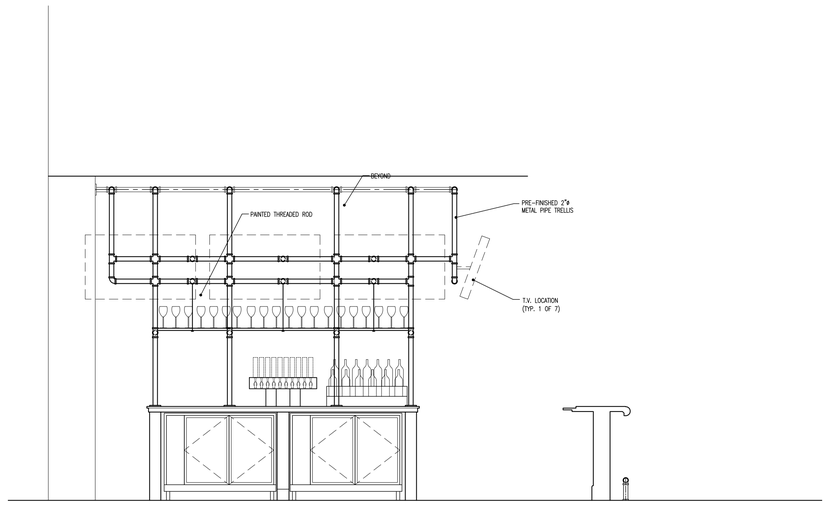
C1 TRELLIS SIDE ELEVATION

SCALE: 3/4"=1'-0"



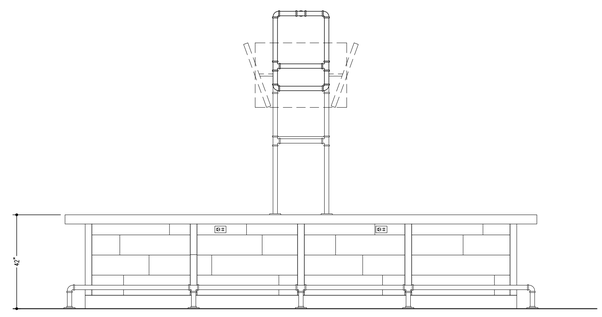
A1 BAR SECTION

SCALE: 3/8"=1'-0"



B3 BAR ISLAND ELEVATION

SCALE: 3/8"=1'-0"



B5 BAR FRONT ELEVATION

SCALE: 3/8"=1'-0"

SMOKEY BONES
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BAR TRELLIS DETAILS

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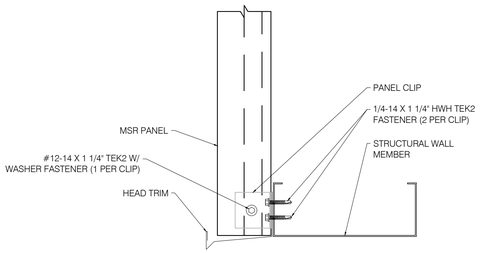
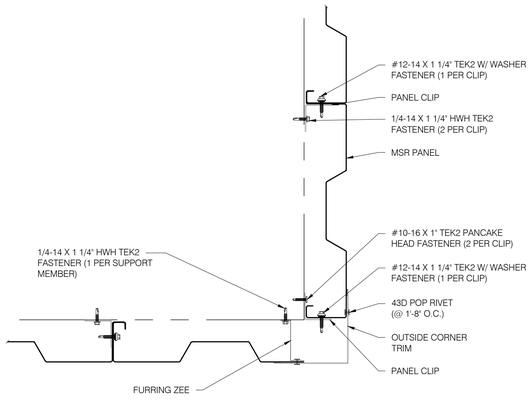


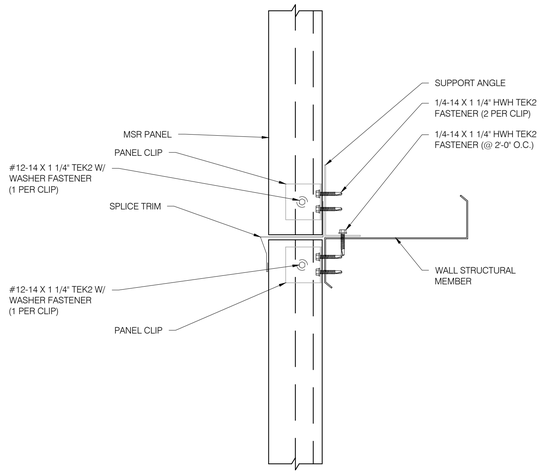
C1 MCELROY METAL HEADER DETAIL

SCALE: 3"=1'-0"



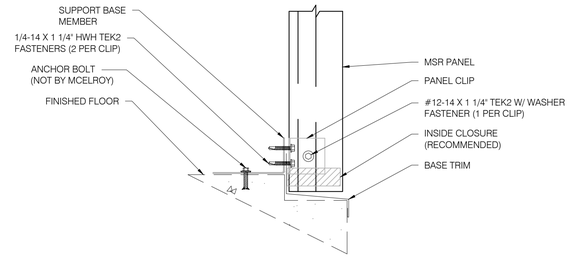
B1 MCELROY METAL OUTSIDE CORNER DETAIL

SCALE: 3"=1'-0"



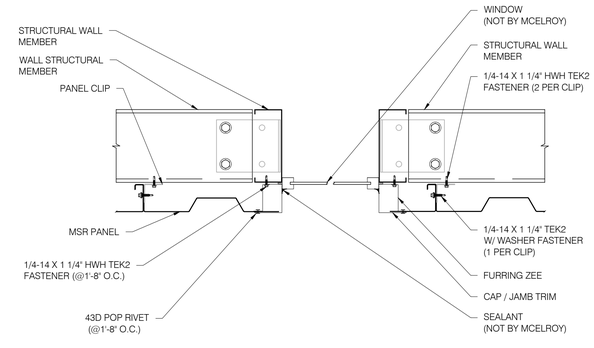
A1 MCELROY METAL WALL SPLICE DETAIL

SCALE: 3"=1'-0"



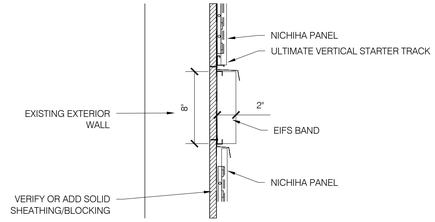
C3 MCELROY METAL BASE DETAIL

SCALE: 3"=1'-0"



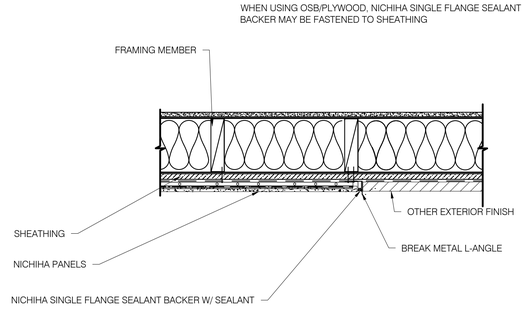
A3 MCELROY METAL WINDOW JAMB DETAIL

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



D5 NICHIHA VERTICAL TRANSITION DETAIL

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



C5 NICHIHA VERTICAL TRANSITION DETAIL

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

SMOKEY BONES
CHAMPAIGN ILLINOIS
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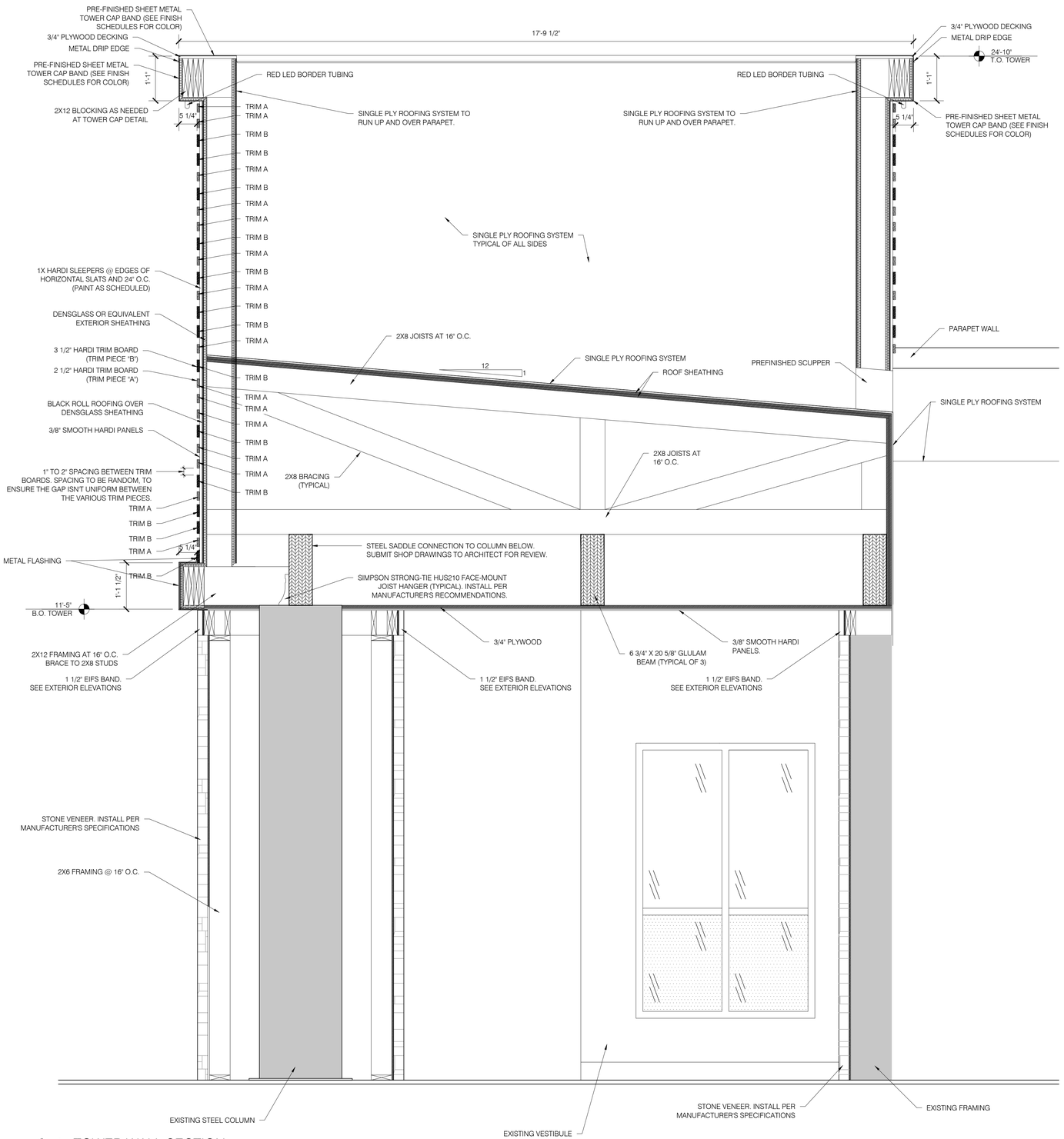
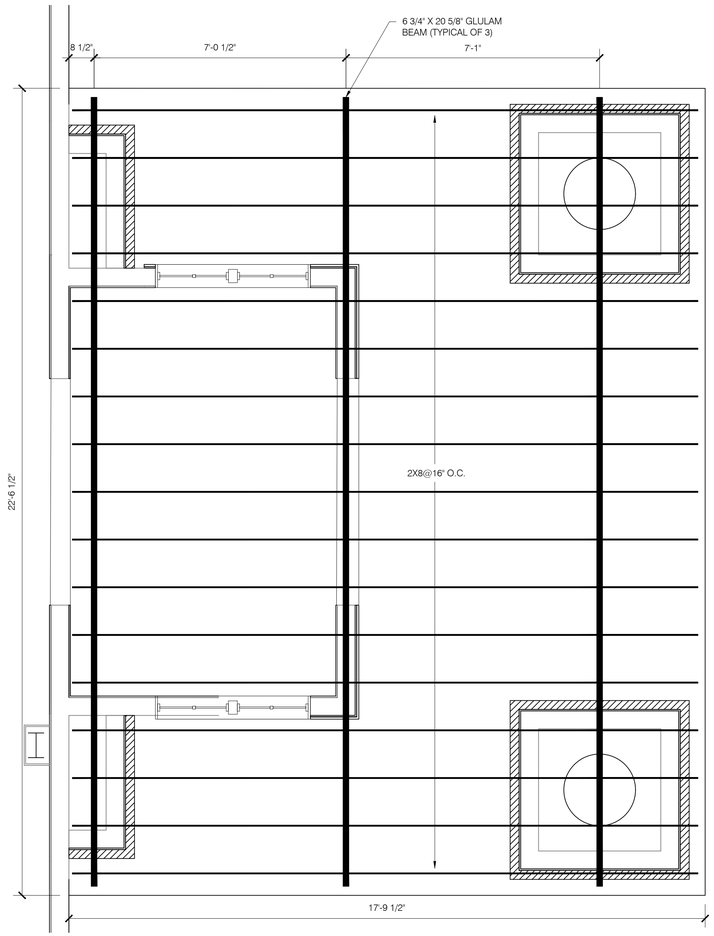


A1 TOWER WALL SECTION

SCALE: 3/4"=1'-0"

NOTE:
UPON DEMOLITION, IF GC NOTICES ANY ISSUES OR UNFORESEEN EXISTING CONDITIONS THAT WOULD NECESSITATE REVISION OF THE STRUCTURE FROM THE CURRENT DESIGN, GC IS TO SUBMIT CONCERNS TO ARCHITECT FOR REVIEW AS SOON AS POSSIBLE SO AS TO ALLOW FOR REVISION OR REDESIGN AS NECESSARY.



A5 TOWER FRAMING PLAN

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

SMOKEY BONES CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

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TOWER SECTION & DETAILS

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PROJECT NO: IA 2230

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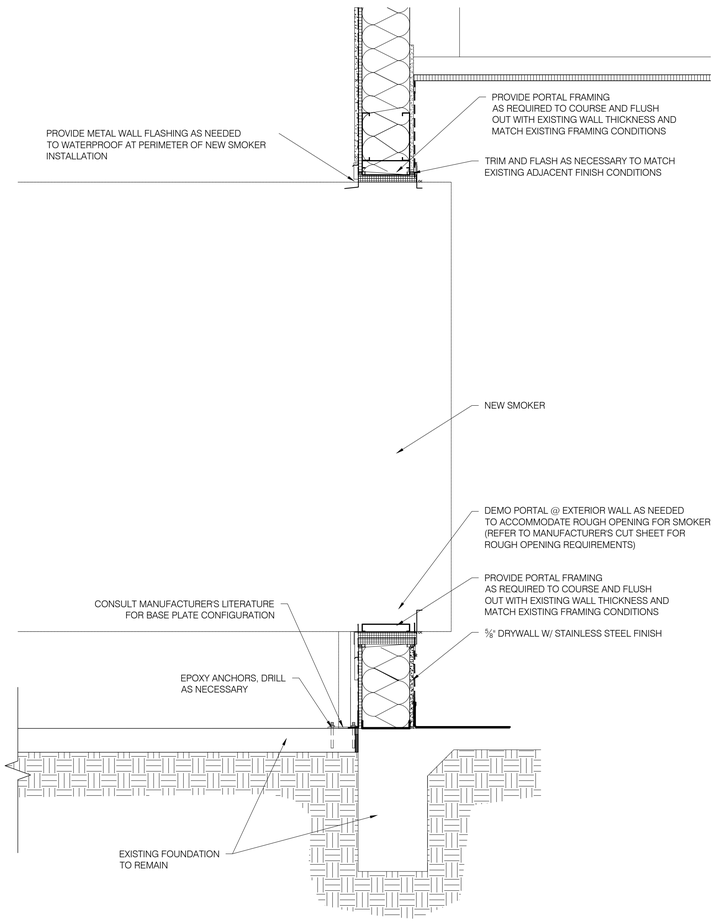
DATE 11/11/22



A1 SMOKER PENETRATION SECTION

SCALE: 1"=1'-0"

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

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SMOKER
SECTIONS

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PROJECT NO:
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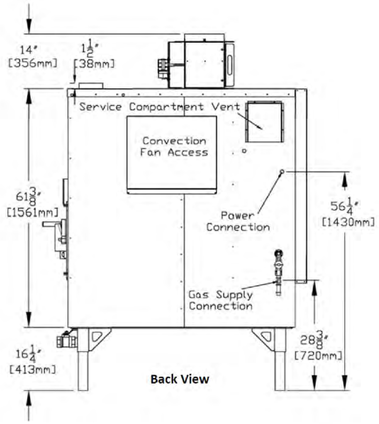
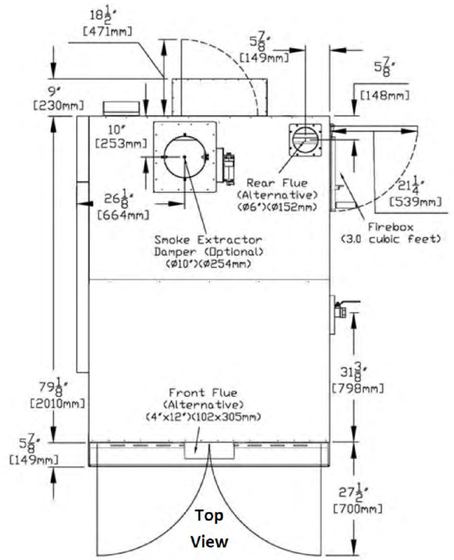
A9.07

DATE 11/11/22



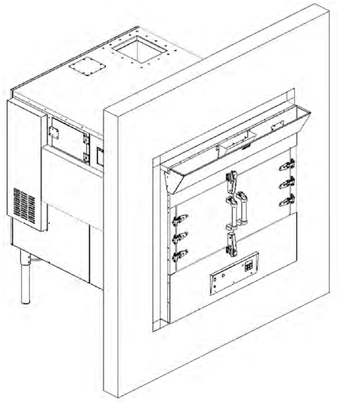


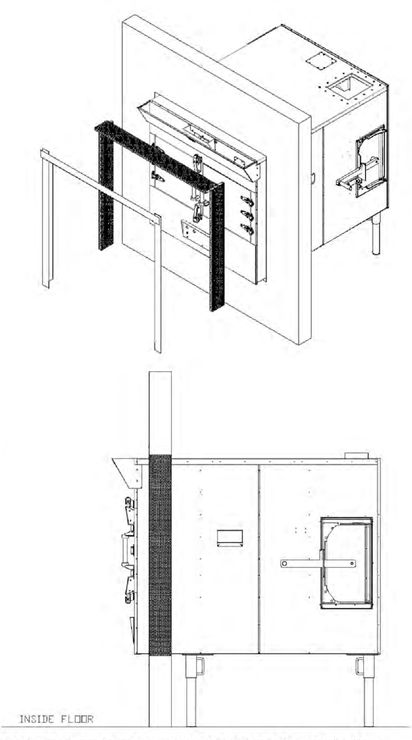
WHEN INSTALLING A SMOKER THROUGH A WALL MADE OF COMBUSTIBLE MATERIAL AN INSULATION KIT MUST BE USED. THE INSULATION BOARD MUST BE INSTALLED BETWEEN THE SMOKER AND THE COMBUSTIBLE MATERIAL. THE FOLLOWING INSULATION KITS CONSIST OF 1 INCH THICK, 8 INCHES WIDE INSULATION BOARD THAT IS INSTALLED ON THE TOP AND EACH SIDE OF THE SMOKER. SOUTHERN PRIDE OFFERS A THROUGH THE WALL INSULATION KIT (KIT NUMBER 087004 FOR THE SP-700 SERIES SMOKERS).

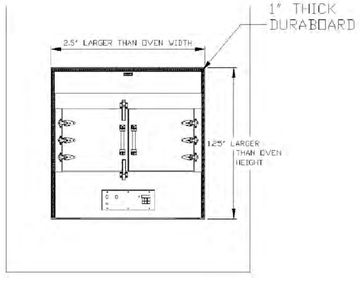
THE WALL CUTOUT SHOULD BE 2.5 INCHES WIDER THAN THE SMOKER WIDTH AND 1.25 INCHES TALLER THAN THE SMOKER HEIGHT TO ALLOW SPACE FOR THE INSULATION BOARD BETWEEN THE WALL AND THE SMOKER.

ALSO AVAILABLE IS A STAINLESS STEEL TRIM KIT THAT WILL COVER THE GAP BETWEEN THE SMOKER AND THE WALL ON ALL FOUR SIDES OF THE SMOKER. THE TRIM KIT IS ONLY FOR ONE SIDE OF THE BUILDING; TWO CAN BE USED FOR THE INTERIOR AND EXTERIOR OF THE BUILDING.

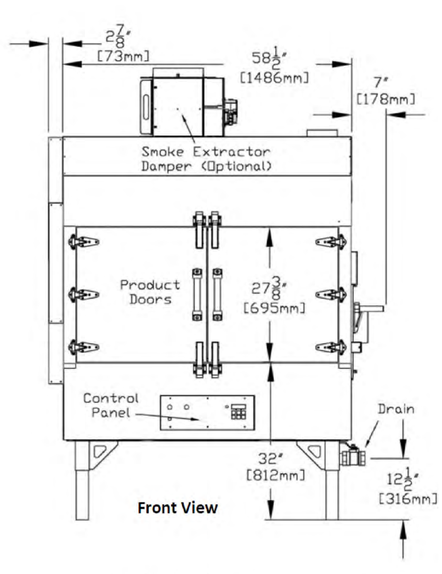
SMOKER TO BE INSTALLED IN STRICT ADHERENCE WITH EQUIPMENT MANUFACTURER SPECIFICATIONS.





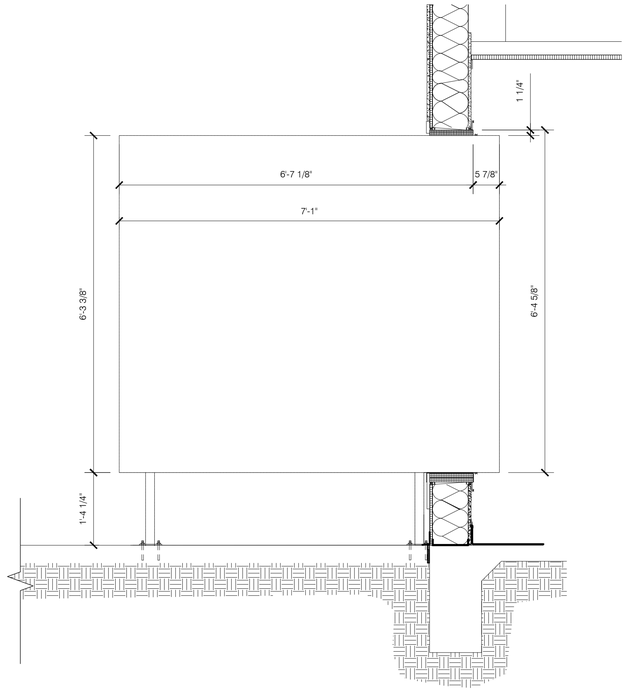


NOTE: On models SPX-300, SPK-500 and SP-700, the front legs can be recessed back 12" for through the wall installations.



Standard leg locations (center to center) -
52 1/4"W x 73"D (1327 x 1854mm)
Optional front recessed leg locations (center to center) -
52 1/4"W x 61"D (1327 x 1549mm), front legs recessed 12"

Mirror Image Unit -
All features switch sides.



A1 SOUTHERN PRIDE SERIES SP-700 SMOKER INSTALLATION DETAILS
SCALE: N.T.S.

A6 SMOKER PENETRATION DETAIL
SCALE: 3/4"=1'-0"

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

REGISTERED ARCHITECT
JEFF
SPIKES
001.025992
STATE OF ILLINOIS

SMOKER
SECTIONS

REVISIONS	
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PROJECT NO:
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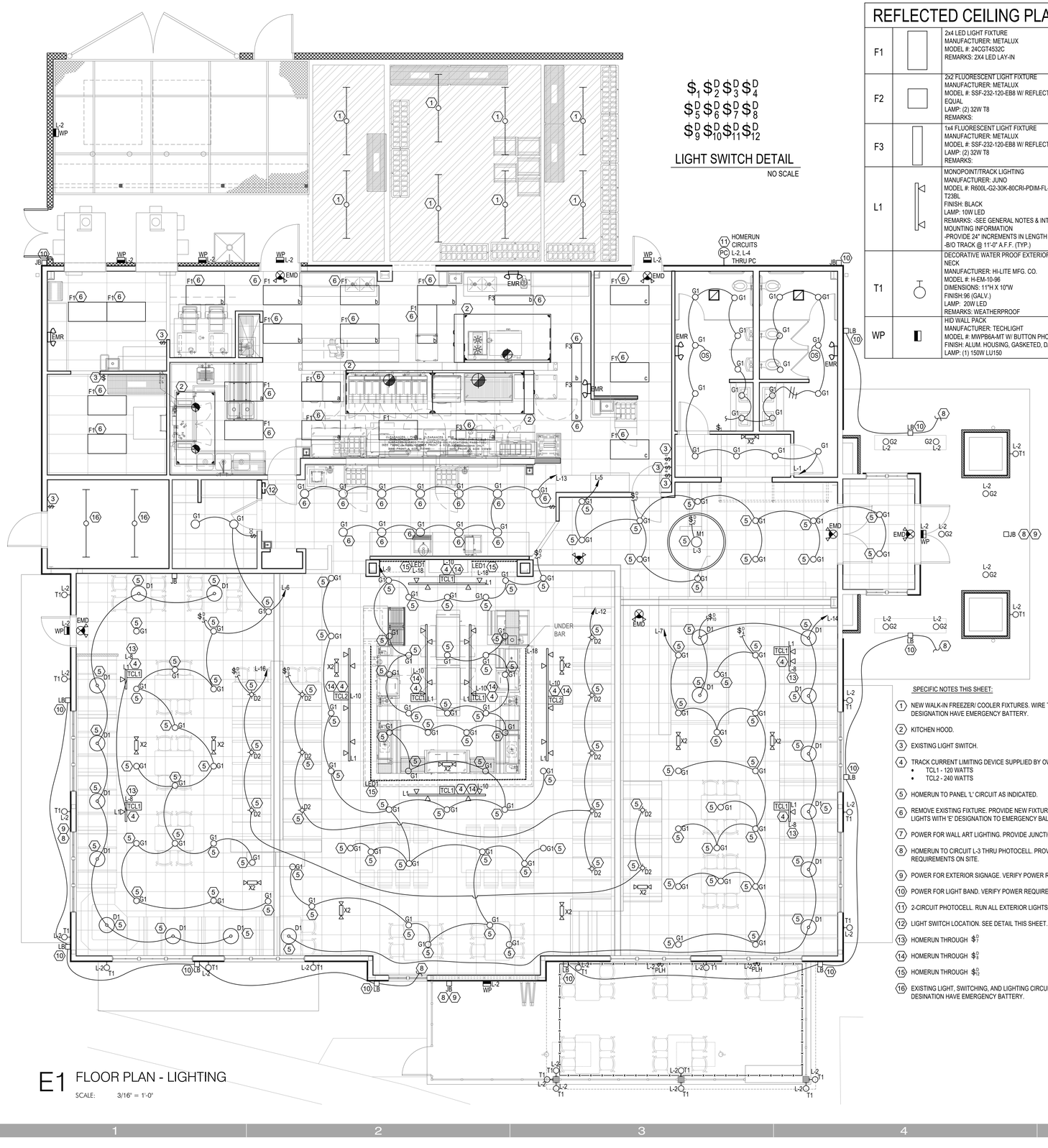


E1 FLOOR PLAN - LIGHTING

SCALE: 3/16" = 1'-0"

REFLECTED CEILING PLAN SYMBOL LEGEND

F1		2x4 LED LIGHT FIXTURE MANUFACTURER: METALUX MODEL #: 24CGT4532C REMARKS: 2X4 LED LAY-IN	
F2		2X2 FLUORESCENT LIGHT FIXTURE MANUFACTURER: METALUX MODEL #: SSF-232-120-EB8 W/ REFLECTOR OR EQUAL LAMP: (2) 32W T8 REMARKS:	EXISTING
F3		1x4 FLUORESCENT LIGHT FIXTURE MANUFACTURER: METALUX MODEL #: SSF-232-120-EB8 W/ REFLECTOR OR EQUAL LAMP: (2) 32W T8 REMARKS:	
L1		MONOPOINT/TRACK LIGHTING MANUFACTURER: JUNO MODEL #: R600L-G2-30K-80CRI-PDIM-FL-BL / T8BL / T4BL / T38BL / T23BL FINISH: BLACK LAMP: 10W LED REMARKS: -SEE GENERAL NOTES & INTERIOR ELEVATIONS FOR MOUNTING INFORMATION -PROVIDE 24" INCREMENTS IN LENGTH (F.V.) -B/O TRACK @ 11'-0" A.F.F. (TYP.)	
T1		DECORATIVE WATER PROOF EXTERIOR GOOSE NECK MANUFACTURER: HI-LITE MFG. CO. MODEL #: H-EM-10-96 DIMENSIONS: 11"H X 10"W FINISH:96 (GALV.) LAMP: 20W LED REMARKS: WEATHERPROOF	
WP		HID WALL PACK MANUFACTURER: TECHLIGHT MODEL #: MWPB6A-MT W/ BUTTON PHOTOCELL FINISH: ALUM. HOUSING, GASKETED, DARK BRONZE FINISH LAMP: (1) 150W LU150	
LED1		LED ROPE LIGHT MANUFACTURER: COORDINATE WITH OWNER	
G1		6"Ø RECESSED DOWNLIGHT MANUFACTURER: HALO COMMERCIAL HOUSING MODEL #: HALO HC6 6" CAN LAMP: HALO HM6-12-835 (6" LED MODULE, 1,000 LUMENS, 80 CRI, 3500K CCT)	PAINT TRIMS TO MATCH ADJACENT SURFACES
G2		6"Ø RECESSED DOWNLIGHT MANUFACTURER: HALO COMMERCIAL HOUSING MODEL #: HALO HC6 6" CAN LAMP: HALO HM6-12-835 (6" LED MODULE, 1,000 LUMENS, 80 CRI, 3500K CCT)	REQUIRES INSTALLATION WITH TRIMS AND BAFFLES THAT ARE UL WET LOCATION APPROVED.
M1		CUSTOM WHEEL LIGHT FIXTURE MANUFACTURER: HI-LITE MFG. CO. MODEL #: H-VLSMTRVB-4 DIMENSIONS: 72"Ø X 12"H FINISH: 117-PAINTED STEEL REMARKS: MOUNTED ON STEM W/4 AIRCRAFT CABLES 120V	
S1		EXTERIOR GARDEN STRING LIGHTING MANUFACTURER: AMERICAN LIGHTING MODEL #: LS2-MS-24-48-BK DIMENSIONS: ~80'-0" TOTAL LENGTH FINISH: BLACK	
D1		PENDANT LIGHT FIXTURE MANUFACTURER: HI-LITE MFG. CO. MODEL #: H-VLSBPNT1 DIMENSIONS: 8 1/2"H x 12"Ø FINISH: OLD NICKEL LAMP: 11.5W LED A19	
D2		PENDANT LIGHT FIXTURE MANUFACTURER: CONTECH LIGHTING MODEL #: OFG308 DIMENSIONS: 10 1/8"H x 4 3/4"Ø FINISH: RED LAMP: TBD	
JB		JUNCTION BOX SIGN POWER PROVIDE POWER FOR ILLUMINATED SIGNAGE COORDINATE WITH SIGNAGE COMPANY	
LB		JUNCTION BOX LIGHTBAND POWER PROVIDE POWER FOR ILLUMINATED LIGHTBAND COORDINATE WITH SIGNAGE COMPANY	
PLH		ALUMINUM, FLOOD LAMP MANUFACTURER: PROGRESS LIGHTING MODEL #: P5203-31 FINISH: PAINTED BLACK SHADES	
EMD		COMBO EXIT SIGN/ EMERGENCY LIGHT MANUFACTURER: LIGHTALARMS MODEL #: (W) X2EWRWLED LAMP: LED'S FINISH: WHITE, STENCIL FACE RED LETTERS, DUAL HEADS REMARKS: SINGLE OR TWIN FACE PER PLAN	
EMR		EXTERIOR EMERGENCY SIGN MANUFACTURER: DAYBRITE MODEL #: SUC132-D-120-CO LAMP: 6V, 120V REMARKS: REMOTE BATTERY PACK FOR EXTERIOR EGRESS LIGHT W/ TWO HEADS. SEALED BEAM LIGHTS, MAINTENANCE FREE BATTERY	
X2		EMERGENCY FIXTURE MANUFACTURER: COOPER MODEL #: SURE LITES CUI SERIES FINISH: FRONT OF HOUSE - BLACK, BACK OF HOUSE - WHITE LAMP: TBD	

R.C.P. GENERAL NOTES

1. ALL FRONT OF HOUSE LIGHT FIXTURES TO BE DIMMABLE.
2. PREP & PAINT EXPOSED ACCESSORIES & ELECTRICAL CONDUIT.
3. ALL PENETRATIONS SHALL BE FIRE SAFED AND ACOUSTICALLY SEALED TO MAINTAIN BASE BUILDING RATINGS AS APPLICABLE.
4. G.C. SHALL PROVIDE BLOCKING, LIGHT GAUGE, OR MTL. FRAMING/UNISTRUT TO SUPPORT ALL CEILING FIXTURES INDEPENDENTLY OF ROOF DECK.
5. SPRINKLER SYSTEM, FIRE ALARM, & FIRE EXTINGUISHER TYPES & LOCATIONS ARE DESIGN/PERMIT/BUILD BY G.C. AT G.C. EXPENSE. G.C. TO VERIFY W/ LANDLORD DESIGNATED CONTRACTORS.
6. VERIFY HEIGHTS AND LOCATIONS OF ALL LIGHTING FIXTURES AND MECHANICAL REGISTERS IN FIELD W/ ARCHITECT AND OWNER. FINISH OF EXPOSED DUCTWORK AND REGISTERS SHALL BE INDICATED ON PLANS & FINISH SCHEDULE.
7. COORDINATE FIRE ALARM DEVICES TO AVOID CONFLICTS WITH FINISHES. SEE INTERIOR ELEVATIONS & DETAILS.
8. ALL LIGHT FIXTURES TO BE U.L. LISTED THROUGHOUT AND SHIELDED AT FOOD PREPARATION AREAS.
9. LIGHTING AT WORK AREAS AND BARS TO BE MIN. 50 FOOTCANDLES (INCLUDING SHIELDED LIGHTING). LIGHTING AT HAND SINK AREAS TO BE MIN. 50 FOOTCANDLES. LIGHTING AT WALK-IN FOOD COOLER AND WALK-IN BEER COOLER TO BE MIN. 20 FOOTCANDLES.
10. CONTRACTOR TO PROVIDE ELECTRICAL AS REQUIRED TO SIGNAGE (INTERIOR & EXTERIOR) -VERIFY LOCATION/HEIGHT AND POWER REQUIREMENTS IN FIELD WITH OWNER.
11. G.C. SHALL PROVIDE PRE-FABRICATED RECESSED METAL ACCESS PANELS IN GYP. BOARD CEILINGS AS REQUIRED FOR THE PROPER MAINTENANCE OF ELECTRICAL EQUIPMENT. G.C. TO COORDINATE SIZES AND LOCATIONS IN FIELD WITH ARCHITECT AND OWNER. PAINT PANELS TO MATCH ADJACENT CEILING FINISH.
12. DECORATIVE PENDANTS: VERIFY HEIGHT IN FIELD WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION. G.C. SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES NOTED.
13. G.C. TO PROVIDE 10% EXTRA TRACK HEADS.
14. BOTTOM OF DINING ROOM PENDANT LIGHTS TO BE AT 5'-6" AFF (TYPICAL)
15. ALL EXPOSED LOW-VOLTAGE WIRE (EXCEPT FIRE ALARM WIRING) SHALL BE 'BLACK' OR WRAPPED IN 'BLACK' PVC SHEATH (TYP.)
16. G.C. TO PROVIDE & INSTALL CAGE/SHIELD OVER EMERGENCY ELECTRICAL SHUTOFF SWITCH
17. PAINT ALL RECEPTACLE COVERS & EXPOSED CONDUIT / J-BOXES TO MATCH ADJACENT FINISHES. (TYPICAL, ALL LOCATIONS)
18. MOUNT ALL FIXTURES OVER MOVABLE TABLES ON UNISTRUT OR LIGHTING TRACK AS APPROPRIATE FOR FIXTURE WEIGHT.
19. PAINT ALL UNISTRUTS & THREADED ROD SUPPORTS 'BLACK' (TYPICAL, ALL LOCATIONS)
20. G.C. SHALL PROVIDE BLKG. / UNISTRUT ATTACHED TO ROOF JOISTS AS REQD TO MOUNT FIXTURES INDEPENDENT OF ROOF DECK.
21. ALL WIFI, SECURITY, & SPEAKER LOCATIONS TO BE VERIFIED IN FIELD W/ ARCHITECT PRIOR TO INSTALLATION.

SPECIFIC NOTES THIS SHEET:

1. NEW WALK-IN FREEZER/ COOLER FIXTURES. WIRE TO EXISTING CIRCUIT. LIGHTS WITH 'E' DESIGNATION HAVE EMERGENCY BATTERY.
2. KITCHEN HOOD.
3. EXISTING LIGHT SWITCH.
4. TRACK CURRENT LIMITING DEVICE SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR.
   - TCL1 - 120 WATTS
   - TCL2 - 240 WATTS
5. HOMERUN TO PANEL 'L' CIRCUIT AS INDICATED.
6. REMOVE EXISTING FIXTURE. PROVIDE NEW FIXTURE AND CONNECT TO EXISTING WIRING. LIGHTS WITH 'E' DESIGNATION TO EMERGENCY BALLAST.
7. POWER FOR WALL ART LIGHTING. PROVIDE JUNCTION BOX.
8. HOMERUN TO CIRCUIT L-3 THRU PHOTOCELL. PROVIDE 20A, 1P BREAKER. VERIFY REQUIREMENTS ON SITE.
9. POWER FOR EXTERIOR SIGNAGE. VERIFY POWER REQUIREMENTS WITH VENDOR.
10. POWER FOR LIGHT BAND. VERIFY POWER REQUIREMENTS WITH VENDOR.
11. 2-CIRCUIT PHOTOCELL. RUN ALL EXTERIOR LIGHTS THRU PHOTOCELL.
12. LIGHT SWITCH LOCATION. SEE DETAIL THIS SHEET.
13. HOMERUN THROUGH $^{D}_{S}$
14. HOMERUN THROUGH $^{D}_{S}$
15. HOMERUN THROUGH $^{D}_{S}$
16. EXISTING LIGHT, SWITCHING, AND LIGHTING CIRCUIT TO REMAIN. LIGHTS WITH 'E' DESINATION HAVE EMERGENCY BATTERY.

GENERAL NOTES THIS SHEET:

1. ALL FIXTURES SHALL BE INSTALLED LEVEL AND TRUE, CENTER FIXTURES WHERE APPLICABLE. REFER TO ARCHITECT'S REFLECTED CEILING PLAN AND ARCHITECT'S ELEVATIONS FOR FIXTURE LOCATIONS.
2. INSTALL FIXTURES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL NECESSARY WIRING, SWITCHES AND MOUNTING HARDWARE.
3. ALL CONDUIT SHALL BE 1/2" WITH 2-#12 AWG & 1-#12 GRD UNLESS NOTED OTHERWISE. WIRE MULTI-WAY SWITCHES AND LIGHTING CONTROLS IN ACCORDANCE WITH THE PRODUCT LITERATURE.
4. FOR CONDUIT RUNS EXCEEDING 75', INCREASE TO #10 AWG CONDUCTORS.
5. GROUNDING SHALL BE IN ACCORDANCE WITH NEC ART. 250.
6. PROVIDE LED EXIT FIXTURES AT ALL LOCATIONS AS SHOWN ON THE LIFE SAFETY PLAN.
7. PROVIDE UNSWITCHED HOT CONDUCTOR TO ALL EXIT AND EMERGENCY FIXTURES.
8. PROVIDE DIMMING SWITCHES COMPATIBLE WITH DIMMABLE FIXTURES. COORDINATE WIRING AND INSTALLATION WITH MANUFACTURER'S RECOMMENDATIONS.
9. LIGHT FIXTURES FOR EXHAUST HOODS SHALL BE SUPPLIED BY KITCHEN HOOD SUPPLIER.
10. ALL EXIT AND EMERGENCY FIXTURES SHALL BE HOME RUN TO PANEL 'L' CIRCUIT L-11. CIRCUIT 11 IS CONSTANT ON, NON-DIMMING LOCKABLE BREAKER.
11. NEW LED LIGHTING WITH PHOTOCELLS SHALL BE INSTALLED ON ALL EXISTING SITE LIGHTING POLES. POLE LIGHTS SHALL BE OWNER FURNISHED, CONTRACTOR INSTALLED. CONNECT TO EXISTING WIRING.
12. HOMERUN EXISTING KITCHEN LIGHTING TO L-15.
13. 13. HOMERUN EXISTING COOLER LIGHTING TO L-17.

VERIFY FIXTURE HEIGHTS IN FIELD W/ ARCHITECT & OWNER PRIOR TO STEM TRIMMING

CRUMB ENGINEERING
Crumb Engineering, LLC
4609 Fairfield Street
P: 504.455.4450
Metairie, La 70006
jcrumb@crumbengineering.com

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

FLOOR PLAN - LIGHTING

LICENSED PROFESSIONAL ENGINEER
JASON T. CRUMB
062-074293
OF ILLINOIS

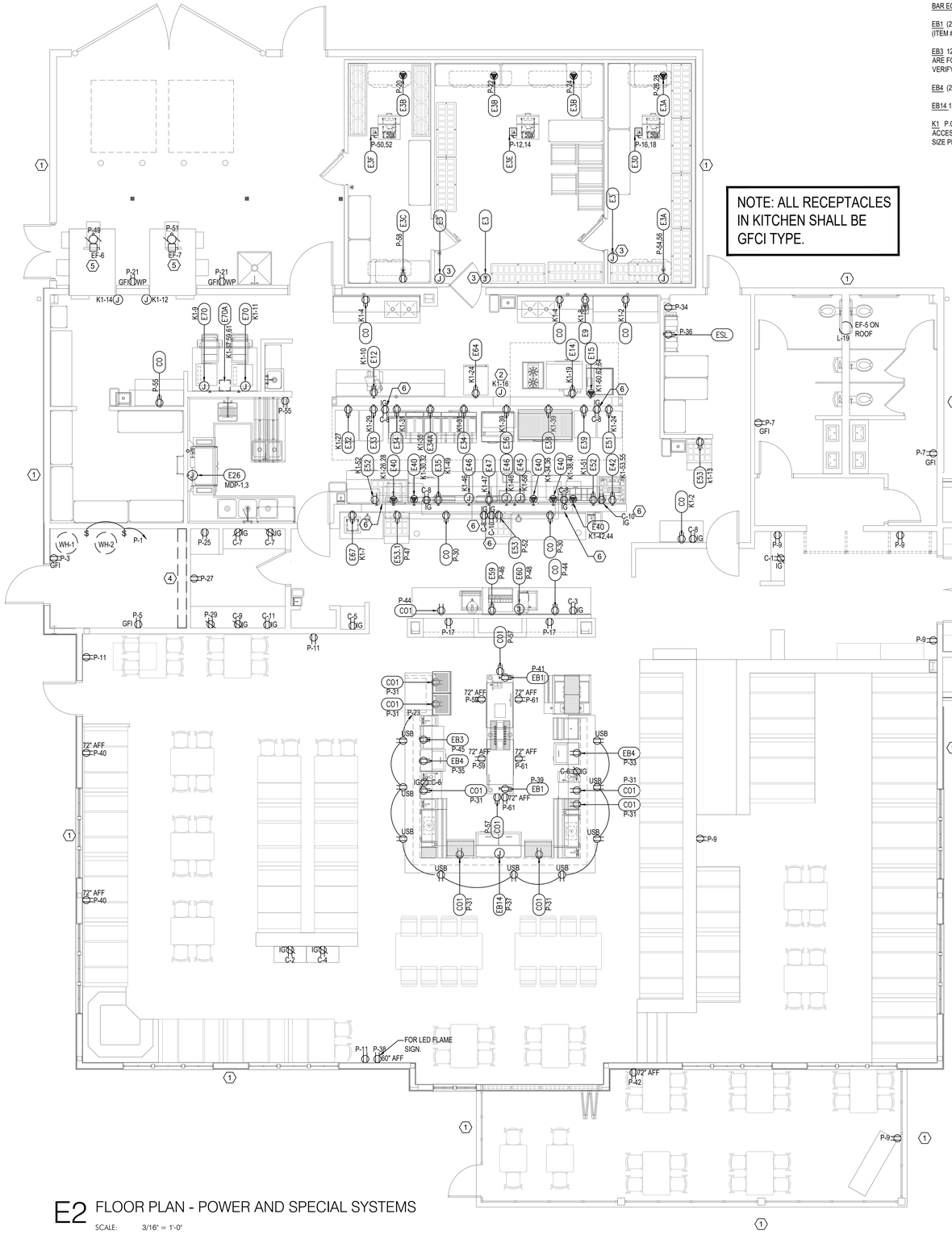
REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET E1.0

DATE 11/01/22

Nov 08, 2022 - 6:11pm
\\NAS-6E-3A-1E\crumble\Projects\Smokey Bones - Champagne, IL\DRAWINGS\E1.0 - LGT.dwg



E2 FLOOR PLAN - POWER AND SPECIAL SYSTEMS

SCALE: 3/16" = 1'-0"

BAR EQUIPMENT ELECTRICAL ROUGH-IN NOTES:

EB1 (2 LOCATIONS) (STUB-UP) 120V-1PH 1/4 H.P. 3.7 AMP FLUSH MOUNTED RECP.FOR BACK BAR COOLER (ITEM #B1).

EB3 120V-1PH 1 H.P. 12 AMP RECP. @ (+24" A.F.F.) FOR GLASS WASHER (ITEM #B3). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.

EB4 (2 LOCATIONS) 120V-1PH 1/5 H.P. 5.4 AMP RECP. @ (+18" A.F.F.) FOR BOTTLE COOLER (ITEM #11).

EB14 120V-1PH 1/4 H.P. 3.7 AMP RECP. @ (+18" A.F.F.) FOR BACK BAR COOLER (ITEM #B14).

K1 P.C. TO INSTALL K.E.C. FURNISHED MECHANICAL GAS SHUT-OFF VALVE IN MAIN GAS SUPPLY LINE IN ACCESSIBLE LOCATION PRIOR TO BRANCHING GAS SERVICE TO EQUIPMENT. P.C. TO VERIFY GAS LINE SIZE PER VALVE.

GENERAL NOTES THIS SHEET:

1. REFER TO ARCHITECT'S FLOOR PLANS AND ARCHITECT'S ELEVATIONS FOR RECEPTACLE AND OUTLET LOCATIONS. PROVIDE ADDITIONAL RECEPTACLES AS REQUIRED.
2. PROVIDE DEDICATED NEUTRAL FOR EACH CIRCUIT. DO NOT SHARE NEUTRAL CONDUCTORS.
3. ALL CONDUIT SHALL BE 1/2" WITH 2-#12 AWG & 1-#12 GRD UNLESS NOTED OTHERWISE. FOR CONDUIT RUNS LONGER THAN 75', UPSIZE CONDUCTORS TO #10 AWG.
4. GROUNDING SHALL BE IN ACCORDANCE WITH NEC ART. 250.
5. PROVIDE POWER FOR ALL EQUIPMENT SHOWN ON MECHANICAL AND ARCHITECTURAL FLOOR PLANS. COORDINATE EXACT REQUIREMENTS WITH SUBMITTALS.
6. ALL WORK SHALL BE IN ACCORDANCE WITH THE NEC.
7. ALL TOILET ROOM, KITCHEN, EQUIPMENT ROOM AND RECEPTACLES WITHIN 6' OF A PLUMBING FIXTURE SHALL BE GFCI TYPE. EXTERIOR RECEPTACLES SHALL WEATHERPROOF GFCI.
8. PROVIDE RECEPTACLES NEAR AC EQUIPMENT FOR SERVICING AS REQUIRED BY THE NEC.
9. REFER TO KITCHEN EQUIPMENT PLAN GENERAL NOTES FOR ADDITIONAL INFORMATION.
10. NEW PANELS ARE SHOWN. CONTRACTOR MAY REUSE EXISTING PANELS AND GEAR SUBJECT TO THE FOLLOWING: OWNER APPROVAL, ENGINEER APPROVAL, IR SCAN OF EXISTING GEAR, CLEANING OF EXISTING GEAR.
11. ALL AV, IT, AND SPECIAL SYSTEMS PROVIDED BY OWNER. COORDINATE POWER REQUIREMENTS WITH OWNER.
12. VERIFY EXISTING EXTERIOR RECEPTACLE AND POWER CIRCUITS ON SITE. INTERCEPT CIRCUITS AND ROUTE TO NEW PANEL 'P'. VERIFY ON SITE.

SPECIFIC NOTES THIS SHEET:

(1) VERIFY LOCATION OF EXISTING EXTERIOR RECEPTACLES AND POWER. CAPTURE EXTERIOR CIRCUIT AND RUN TO PANEL 'P'.

(2) 120V POWER TO HOOD CONTROL PANEL. REFER TO MECHANICAL HOOD DETAILS AND WIRING DIAGRAMS. PROVIDE ALL REQUIRED POWER.

(3) SEE LIGHTING PLAN E1.0.

(4) EXISTING INTEGRATED SWITCH BOARD. REMOVE EXISTING PANEL GUTS AND REPLACE WITH PANELS C, L, P, K1 AND MDP. REMOVE EXISTING DIMMER PANEL IN ITS ENTIRETY. VERIFY EXACT CONDITIONS ON SITE. SEE E3.2 FOR NEW PANEL SCHEDULES.

(5) SMOKER EXHAUST FANS RUN THEIR POWER THRU AND AUXILIARY BOX ON THE REAR OF THE SMOKER SO THAT THEY TURN ON WHEN THE DOORS ARE OPENED ONLY.

(6) VERIFY EXACT LOCATION AND HEIGHT OF RECEPTACLE WITH OWNER.

KITCHEN EQUIPMENT ELECTRICAL ROUGH-IN NOTES:

CO 120V-1PH 16 AMP DUPLEX RECP. @ (+48" A.F.F.) FOR "CONVENIENCE OUTLET".

CO1 120V-1PH 16 AMP DUPLEX RECP. @ (+40" A.F.F.) UNDER BAR TOP FOR "CONVENIENCE OUTLET".

ESL 120V-1PH 16 AMP DUPLEX RECP. @ (+72" A.F.F.) FOR SODA SYSTEM. THIS ITEM IS NOT PART OF THIS CONTRACT AND IS TO BE SUPPLIED AND INSTALLED BY VENDOR. ROUGH-INS SHOWN FOR COORDINATION PURPOSES ONLY.

E3 (DROP FROM ABOVE) (4 LOCATIONS) 120V-1PH SERVICE TO (+106" A.F.F.) E.C. TO CONNECT TO JUNCTION BOX ON TOP OF WALK-IN COOLER/FREEZER (ITEM #3). E.C. TO EXTEND FROM JUNCTION BOX TO K.E.C. FURNISHED LIGHTS AS REQUIRED. LOCATION AND QUANTITY OF LIGHTS TO BE VERIFIED WITH MANUFACTURER'S SHOP DRAWINGS. E.C. TO WIRE PERIMETER DOOR HEATER (SEE GENERAL NOTES 20 & 21). E.C. TO PROVIDE AND EXTEND ALL FINAL ELECTRICAL HOOK-UPS AND DISCONNECTS. ALL WIRING AND CONDUIT SHALL BE INSTALLED ABOVE AND ON THE OUTSIDE OF THE UNIT CEILING. ALL PENETRATIONS THRU WALLS AND CEILING ARE TO BE EQUIPPED WITH "SEAL-OFFS" AND SEALED WITH SILICONE AT EACH JUNCTION BOX. SHALL PROVIDE E.C. WITH A SUFFICIENT NUMBER OF LIGHT FIXTURES TO PROVIDE A MINIMUM OF SEVENTY (70) FOOT CANDLES OF LIGHT INTENSITY MEASURED AT 30" A.F.F. AT ANY POINT IN THE COMPARTMENT. APPROXIMATELY ONE (1) 100 WATT LIGHT FIXTURE PER FIFTY (50) SQUARE FEET (NOT INCLUDING LIGHT FIXTURE ABOVE DOOR). REFER TO MANUFACTURER'S SHOP DRAWINGS FOR ALL FINAL LOCATIONS AND REQUIREMENTS.

E3A (DROP FROM ABOVE) 208V-1PH SERVICE TO (+96" A.F.F.) WALK-IN FREEZER COIL (ITEM #3A). E.C. TO RUN FOUR (4) WIRES FROM TIME CLOCK ON FREEZER COMPRESSOR (ITEM #3D) FOR FAN OPERATION, DEFROST AND DRAIN LINE HEATER. E.C. TO FIELD VERIFY LOCATION. REFER TO MANUFACTURER'S SHOP DRAWINGS FOR ALL FINAL LOCATIONS AND REQUIREMENTS. (SEE GENERAL NOTES 20 & 21).

E3B (DROP FROM ABOVE) 120V-1PH SERVICE TO (+96" A.F.F.) WALK-IN COOLER COIL (ITEM #3B). E.C. TO RUN TWO (2) CONTROL WIRES FROM COOLER COIL (ITEM #3B) TO THERMOSTAT ON COOLER COMPRESSOR (ITEM #3E). E.C. TO FIELD VERIFY LOCATION. REFER TO MANUFACTURER'S SHOP DRAWINGS FOR ALL FINAL LOCATIONS AND REQUIREMENTS. (SEE GENERAL NOTES 20 & 21).

E3C (DROP FROM ABOVE) 120V-1PH SERVICE TO (+96" A.F.F.) WALK-IN BEER COOLER COIL (ITEM #3C). E.C. TO RUN TWO (2) CONTROL WIRES FROM COOLER COIL (ITEM #3C) TO THERMOSTAT ON COOLER COMPRESSOR (ITEM #3F). E.C. TO FIELD VERIFY LOCATION. REFER TO MANUFACTURER'S SHOP DRAWINGS FOR ALL FINAL LOCATIONS AND REQUIREMENTS. (SEE GENERAL NOTES 20 & 21).

E3D 208V-1PH 3-1/2 H.P. SERVICE TO WALK-IN FREEZER COMPRESSOR (ITEM #3D). E.C. TO EXTEND TO K.E.C. FURNISHED FUSED DISCONNECT SWITCH. E.C. TO VERIFY LOCATION. REFER TO MANUFACTURER'S SHOP DRAWINGS FOR ALL FINAL LOCATIONS AND REQUIREMENTS. (SEE GENERAL NOTES 20 & 21).

E3E 208V-1PH 1 H.P. SERVICE TO WALK-IN COOLER COMPRESSOR (ITEM #3E). E.C. TO EXTEND TO K.E.C. FURNISHED FUSED DISCONNECT SWITCH. E.C. TO FIELD VERIFY LOCATION. REFER TO MANUFACTURER'S SHOP DRAWINGS FOR ALL FINAL LOCATIONS AND REQUIREMENTS. (SEE GENERAL NOTES 20 & 21).

E3F 208V-1PH 1-1/2 H.P. SERVICE TO WALK-IN BEER COOLER COMPRESSOR (ITEM #3F). E.C. TO EXTEND TO K.E.C. FURNISHED FUSED DISCONNECT SWITCH. E.C. TO FIELD VERIFY LOCATION. REFER TO MANUFACTURER'S SHOP DRAWINGS FOR ALL FINAL LOCATIONS AND REQUIREMENTS. (SEE GENERAL NOTES 20 & 21).

E9 120V-1PH 1 H.P. 7 AMP RECP. @ (+48" A.F.F.) FOR FOOD PROCESSOR (ITEM #9).

E12 120V-1PH 1/3 H.P. 4.8 AMP RECP. @ (+48" A.F.F.) FOR SLICER (ITEM #12).

E14 (2 LOCATIONS) 120V-1PH 7.7 AMP RECP. @ (+18" & +36" A.F.F.) FOR DOUBLE DECK CONVECTION OVEN (ITEM #14).

E15 208v-3PH 9 KW 12 AMP SERVICE @ (+18" A.F.F) E.C TO EXTEND TO RETHERMALIZER (ITEM #15). (SEE GENERAL NOTES 11,12,13,14 & 15). 1/2"C, 3 # 12AWG & 1 # 12 GRD.

E26 208V-1PH 2 HP 5 KW 43 AMP SERVICE @ (+60" A.F.F.) E.C. TO EXTEND TO DISHMACHINE (ITEM #26) TANK HEAT & MOTOR CONNECT. (SEE GENERAL NOTES 11,12,13,14 & 15). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER. 1"C, 3 # 6 AWG & 1 # 10 GRD.

E31 208V-1PH 3.6 KW SERVICE @ (+66" A.F.F.) E.C. TO EXTEND TO CHEESEMELTER (ITEM #31). (SEE GENERAL NOTES 11,12,13,14 & 15).

E32 120V-1PH 1/3 H.P. 6.3 AMP RECP. @ (+18" A.F.F.) FOR FREEZER (ITEM #32).

E33 120V-1PH 1/4 H.P. 5.2 AMP RECP. @ (+18" A.F.F.) FOR REFRIGERATOR (ITEM #33).

E34 (2 LOCATIONS) 120V-1PH 1.7 AMP SERVICE @ (+18" A.F.F.) E.C. TO EXTEND TO FRYER BATTERY (ITEM #34). (SEE GENERAL NOTES 11,12,13,14 & 15).

E34A 120V-1PH 1/3 H.P. 7 AMP SERVICE @ (+18" A.F.F.) E.C. TO EXTEND TO FRYER FILTER (ITEM #34). (SEE GENERAL NOTES 11,12,13,14 & 15).

E35 120V-1PH .95 KW 8 AMP RECP. @ (+24" A.F.F.) FOR WARMING DRAWER (ITEM #35).

E36 120V-1PH 1/5 H.P. 2.5 AMP RECP. @ (+18" A.F.F.) FOR REFRIGERATED GRIDDLE STAND (ITEM #33).

E37 208V-1PH 3.6 KW SERVICE @ (+66" A.F.F.) E.C. TO EXTEND TO CHEESEMELTER (ITEM #37). (SEE GENERAL NOTES 11,12,13,14 & 15). 1/2"C, 2 # 10 AWG & 1 # 10 GRD.

E38 120V-1PH 1/4 H.P. 4.2 AMP RECP. @ (+18" A.F.F.) FOR REFRIGERATED BROILER STAND (ITEM #38.1).

E40 (5 LOCATIONS) 208V-1PH 3 KW 20 AMP RECP. @ (+72" A.F.F.) FOR MICROWAVE OVEN (ITEM #40).

E42 208V-1PH 2.6 KW 12.5 AMP SERVICE @ (+48" A.F.F.) E.C. TO EXTEND TO CONVEYOR TOASTER (ITEM #38). (SEE GENERAL NOTES 11,12,13,14 & 15).

E45 120V-1PH 1.65 KW 13.75 AMP SERVICE @ (+24" A.F.F.) E.C. TO EXTEND TO HOT FOOD WELL (ITEM #45). (SEE GENERAL NOTES 11,12,13,14 & 15).

E46 (2 LOCATIONS) 120V-1PH .35 KW SERVICE @ (+72" A.F.F.) E.C. TO EXTEND TO OVERHEAD HEAT LAMP (ITEM #46). (SEE GENERAL NOTES 11,12,13,14 & 15).

E47 120V-1PH 1.692 KW 14.1 AMP RECP. @ (+18" A.F.F.) FOR WARMING CABINET (ITEM #47).

E48 (2 LOCATIONS) 120V-1PH .35 KW SERVICE @ (+72" A.F.F.) E.C. TO EXTEND TO OVERHEAD HEAT LAMP (ITEM #48). (SEE GENERAL NOTES 11,12,13,14 & 15).

E51 120V-1PH 2.192 KW 18.3 AMP RECP. @ (+18" A.F.F.) FOR HEATED CABINET (ITEM #51).

E52 120V-1PH 1/3 H.P. 7.0 AMP RECP. @ (+18" A.F.F.) FOR REFRIGERATED PREP TABLE (ITEM #52).

E53 (3 LOCATIONS) 120V-1PH 1/5 H.P. 2.46 AMP RECP. @ (+18" A.F.F.) FOR REFRIGERATED PREP TABLE (ITEM #53).

E59 120V-1PH 15 AMP RECP. @ (+24" A.F.F.) FOR SODA DISPENSER (ITEM #59). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.

E60 120V-1PH 1.67 KW 14 AMP SERVICE @ (+48" A.F.F.) E.C. TO EXTEND TO COFFEE MAKER (ITEM #60). (SEE GENERAL NOTES 11,12,13,14 & 15). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.

E64 120V-1PH 1.44 KW 12 AMP RECP. @ (+18" A.F.F.) FOR HEATED CABINET (ITEM #64).

E67 120V-1PH 1/4 H.P. 3.5 AMP RECP. @ (=18" A.F.F.) FOR ICE CREAM DIPPING CABINET (ITEM #67).

E70 (2 LOCATIONS) 120V-1PH SERVICE @ (+72" A.F.F.) E.C. TO EXTEND TO ICE MAKER (ITEM #70). (SEE GENERAL NOTES 11,12,13,14 & 15).

E70A 208V-3PH 14 AMP SERVICE (VERIFY LOCATION) E.C. TO EXTEND TO ICE MAKER COMPRESSOR (ITEM #70A). (SEE GENERAL NOTES 11,12,13,14 & 15). 1/2"C, 3 # 10 AWG & 1 # 10 GRD.

CRUMB ENGINEERING
Crumb Engineering, LLC
4609 Fairfield Street
P-504.455.4450
Metairie, La 70006
jcrumb@crumbengineering.com

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

FLOOR PLAN - POWER AND SPECIAL SYSTEMS

LICENSED PROFESSIONAL ENGINEER
JASON T. CRUMB
062-074293
OF ILLINOIS

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET E2.0

DATE 11/01/22

ELECTRICAL LEGEND THIS SHEET

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
SP2	4" IN-CEILING SPEAKER		SPECIAL OUTLET
SP3	6" IN-CEILING SPEAKER	GFI	DUPLEX RECEPT. W/GROUND FAULT INTERRUPTER
CM	CONTROL MODULE		QUADRAPLEX RECEPTACLE MTD. 18" ABOVE FLOOR
DC	DOOR CONTACT		
SP	6" OUTDOOR SPEAKER		
	CAMERA		
	DUPLEX RECEPTACLE MOUNTED 18" ABOVE FLOOR		
	DUPLEX RECEPTACLE MOUNTED ABOVE WORK SURFACE		
J	JUNCTION BOX		
WAP	WIRE ACCESS POINT		
	POS SYSTEM		
	EXPO TOUCH SCREEN		
	PRINTER		
	TELEPHONE		
	KDS SCREEN		
∇_1	CAT5e		
∇_2	2c/16 awg strd		
∇_3	COAX		

E2 FLOOR PLAN - SPECIAL SYSTEMS

SCALE: 3/16" = 1'-0"

CRUMB ENGINEERING
Crumb Engineering, LLC
Metairie, La 70006
4609 Fairfield Street
P-504.455.4450
jcrumb@crumbengineering.com

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

FLOOR PLAN - POWER AND SPECIAL SYSTEMS

LICENSED PROFESSIONAL ENGINEER
JASON T. CRUMB
062-074293
OF ILLINOIS

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET E2.1

DATE 11/01/22

Nov 10, 2022 - 4:33pm
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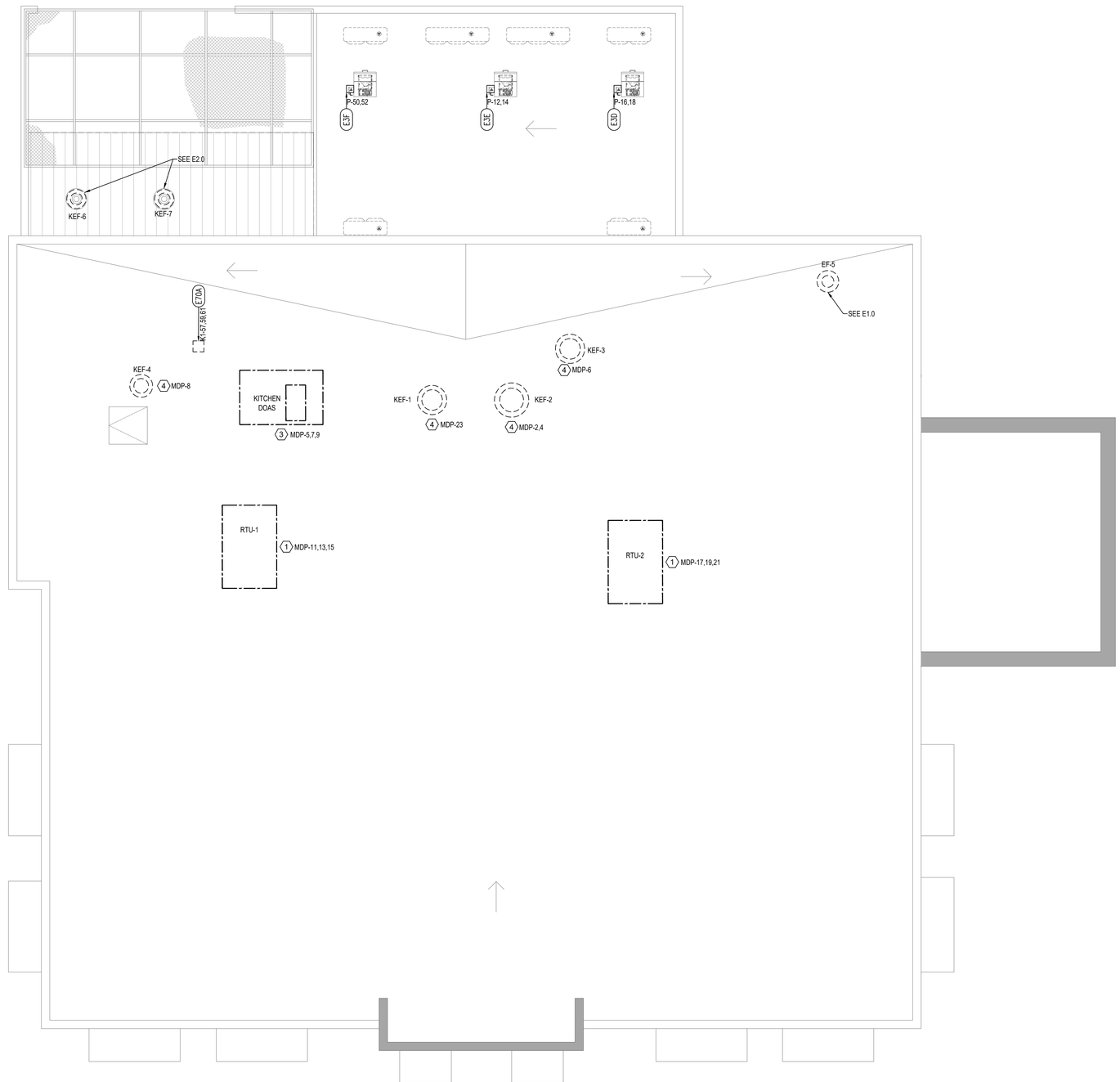


GENERAL NOTES THIS SHEET:

1. REFER TO ARCHITECT'S FLOOR PLANS AND ARCHITECT'S ELEVATIONS FOR RECEPTACLE AND OUTLET LOCATIONS. PROVIDE ADDITIONAL RECEPTACLES AS REQUIRED.
2. PROVIDE DEDICATED NEUTRAL FOR EACH CIRCUIT. DO NOT SHARE NEUTRAL CONDUCTORS.
3. ALL CONDUIT SHALL BE 1/2" WITH 2-#12 AWG & 1-#12 GRD UNLESS NOTED OTHERWISE. FOR CONDUIT RUNS LONGER THAN 75', UPSIZE CONDUCTORS TO #10 AWG.
4. GROUNDING SHALL BE IN ACCORDANCE WITH NEC ART. 250.
5. PROVIDE POWER FOR ALL EQUIPMENT SHOWN ON MECHANICAL AND ARCHITECTURAL FLOOR PLANS. COORDINATE EXACT REQUIREMENTS WITH SUBMITTALS.
6. ALL WORK SHALL BE IN ACCORDANCE WITH THE NEC.
7. ALL TOILET ROOM, KITCHEN, EQUIPMENT ROOM AND RECEPTACLES WITHIN 6' OF A PLUMBING FIXTURE SHALL BE GFCI TYPE. EXTERIOR RECEPTACLES SHALL WEATHERPROOF GFCI.
8. PROVIDE RECEPTACLES NEAR AC EQUIPMENT FOR SERVICING AS REQUIRED BY THE NEC.
9. SEE KITCHEN HOOD PLANS FOR WIRING DETAILS.
10. RTU'S HAVE CONVENIENCE OUTLETS.

SPECIFIC NOTES THIS SHEET:

(1) RTU-1, 95.7 MCA, 110A MDP. 1¼ " C, 3 #2 AWG & 1 #6 GRD.
(2) RTU-2, 95.7 MCA, 110A MDP. 1¼" C, 3 #2 AWG & 1 #6 GRD.
(3) DOAS, 81.5 MCA, 90 A MDP. 1½" C, 3 #3 AWG & 1 #8 GRD.
(4) KITCHEN EXHAUST FAN WITH DISCONNECT SWITCH.

CRUMB ENGINEERING
Crumb Engineering, LLC
4609 Fairfield Street
P-504.455.4450
Metairie, La 70006
jcrumb@crumbengineering.com

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

ROOF PLAN

LICENSED PROFESSIONAL ENGINEER
JASON T. CRUMB
062-074293
OF ILLINOIS

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET E2.2

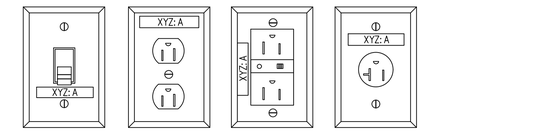
DATE 11/01/22

E2 ROOF PLAN
SCALE: 3/16" = 1'-0"

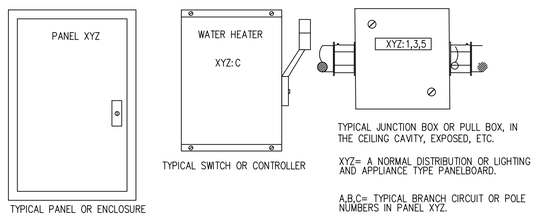
Nov 09, 2022 - 8:13am
\\NAS-6E-3A-1E\crumblic\Projects\Smokey Bones - Champagne, IL\DRAWINGS\E2.2 - ROOF PLAN.dwg

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION		SYMBOL	DESCRIPTION
$_a	SINGLE POLE SWITCH	LETTER DENOTES FIXTURE CONTROL		DUPLEX RECEPTACLE MTD. 18" ABOVE FLOOR
$^3_a	THREE WAY SWITCH			DUPLEX RECEPT.MTD. ABOVE WORK SURFACE
$^F	COBINATION CEILING FAN/LIGHT SWITCH		WP	DUPLEX RECEPTACLE, WEATHERPROOF
$^D	DIMMER SWITCH			FLOOR OUTLET
	HOME RUN TO PANEL	CROSS LINES DENOTE NO. OF CONDUCTORS WHEN MORE THAN TWO		SPECIAL OUTLET
	CONCEALED WIRING		GFI	DUPLEX RECEPT. W/GROUND FAULT INTERRUPTER
J	DISCONNECT SWITCH W/VISIBLE BLADES			QUADRAPLEX RECEPTACLE MTD. 18" ABOVE FLOOR
	ELECTRICAL HEATING ELEMENT		J	JUNCTION BOX
M	ELECTRIC METER		S	ELECT .MOTOR W/APPROVED DISC. SWITCH
	STARTER/ DISCONNECT			TELEPHONE OUTLET (WALL)
SW	DUPLEX OUTLET WITH TOP WIRED TO SWITCH			TELEPHONE OUTLET (FLOOR)
V	VIDEO OUTLET			DATA/CABLE OUTLET
HVL	HEAT VENT LIGHT COMBINATION SWITCH		USB	DUPLEX RECEPT. W/USB CHARGERS
SK	SOUND SYSTEM SPEAKER		RS	CLASSROOM LIGHTING CONTROL SYSTEM
ISP	INTERCOM SPEAKER		CK	CLOCK
TF	THEATRICAL LIGHT FIXTURE		F	LIGHTING FIXTURE



TYPICAL DEVICE LABELING



TYPICAL PANEL OR ENCLOSURE

TYPICAL SWITCH OR CONTROLLER

TYPICAL JUNCTION BOX OR PULL BOX, IN THE CEILING CAVITY, EXPOSED, ETC.

XYZ= A NORMAL DISTRIBUTION OR LIGHTING AND APPLIANCE TYPE PANELBOARD.

A,B,C= TYPICAL BRANCH CIRCUIT OR POLE NUMBERS IN PANEL XYZ.

DEVICE AND EQUIPMENT LABELING DETAIL

NO SCALE

ELECTRICAL SPECIFICATIONS

16100 - ELECTRICAL

1.1 General

A. Provide all labor, materials, equipment, fees, and electrical permits and all necessary items to install a complete electrical system.

B. It is the intent of this specification and of the plans to provide a complete system, regardless of whether each individual component is mentioned or not.

C. The work shall comply with the standards in the latest editions of the following listed codes and ordinances:

1. NFPA NO. 70 "National Electric Code" latest edition.
2. NECA "Standard of Installation."
3. Electric utility company service standards.
4. Telephone utility company service standards.
5. Cable TV utility company service standards.
6. Underwriter's Laboratory standards.
7. Other local codes, ordinances and laws applicable to the place of work.

1.2 Materials and workmanship

A. The contractor shall be responsible for the timely placement of all conduits, outlet boxes, cabinets, and other wiring devices in the walls, ceilings, etc, as the construction progresses.

B. The contractor shall furnish and install all materials for electrical installation. All materials shall have UL Labels. All work shall be installed in a neat and workmanlike fashion.

C. Conduit shall be emt for branch circuit wiring. Set screw or crimp fittings are not allowed. Metal clad cable (MC) may be used where Allowed by code. MC cable shall not be used where exposed areas. MC cable shall be used in wiring channels in bottom of wood members. Exposed conduits below 8'-0" AFF shall be rigid galvanized steel. PVC (SCH 40) shall be used below grade only. PVC conduit shall transition to rigid galvanized steel below grade, prior to stub-up. Flexible conduit shall be used to make final connection to electrical equipment where required, 60" max. Liquid tight shall be used for exterior applications, 60" max. Minimum conduit size shall be 3/4", all conductors shall be thhn, 600V copper building wire. Minimum wire size shall be #12 AWG unless noted otherwise. Conductors shall be color coded as follows:

Phase A - Back
Phase B - Red
Phase C - Blue

D. The contractor shall verify all dimensions and clearances prior to installation of equipment and raceways.

E. Outlet boxes shall be located as follows:
1. Wall switches - 4'-0" above finished floor.
2. Convenience outlets - 18" aff unless noted otherwise. Convenience outlets placed in the facing shall be placed so that they do not interfere with the trim.

F. Convenience receptacles shall be 20 amp, 125 volt NEMA 5-20R, unless noted otherwise. Cover plates shall match adjacent surface. cover plates in kitchen shall be stainless steel.

G. Wall switches shall be 20 amp, 120/277 V AC, single pole, unless noted otherwise. Cover plates shall match adjacent surface. cover plates in kitchen shall be stainless steel.

H. Wiring device plates shall be plastic, painted to match wall, in dining rooms, stainless steel in kitchen and bar areas and ivory plastic in office, liquor storage room and toilets. Provide blank cover plates for all unused outlets (data, telephone, etc.).

I. Panelboards are scheduled on the drawings. General Electric, Square D, or Cutler-Hammer. All terminals shall be rated for 75 degrees C minimum. All panelboards shall have solid copper busses. Short circuit rating shall be as listed on panel schedules. Panelboards shall be furnished in a single UL Listed electrical enclosure (unitized switchboard). Contractor shall verify all dimensions and proper clearances are maintained prior to installing the main electrical enclosure. Unit shall be purchased from:
Carolina Products, Inc.
1132 Pro Am Drive
Charlotte, NC 28211
Phone: 1-800-736-4455

J. Grounding the electrical system shall be in accordance with Article 250 of the National Eectrical Code and with local requirements. code and with local requirements. Ground service to building steel, driven ground rod, and cold water pipe.

K. Make final connections to kitchen and bar equipment set in place by others. Make electrical connections to all items shown as part of the general contract which require electricity. This shall include all electrical wiring for the walk-in coolers and freezers, including lights and control wiring. Wire and install equipment shipped loose.

L. The contractor shall furnish and install equipment disconnects as indicated or required. Fuses in all disconnect switches and other fusible device shall be dual element current limiting type. Furnish with 3 spare fuses of each type and size used on the job. Switches and fuses shall be size to suit the actual equipment being served.

M. Connect motor starters, relays, switches, and related items which are provided under the mechanical work.

N. Install a new underground electrical service from the utility company's exterior power facilities. Contractor shall coordinate with utility company prior to work and make all modifications as required. The new service shall include the underground conduit and conductors shown on the plans and provisions for metering and associated hardware. Coordinate the location and installation of the utility company's transformer. Contractor shall review the unitized switch board shop drawings prior to rough-in of service to verify proper stub-up locations for feeders. Contractor shall coordinate with utility company for primary conduit installation (if required). The contractor shall be responsible for all fees associated with the new service.

O. Provide raceways and boxes for cash register point of sale (pos), data cables fprovided, installed and connected by owner, including connectors and coverplates.This system does require conduit except in wall and under floors. Final connection of cables to equipment is by owner.

P. Install lighting control and dimmer system as noted on plans, including all interface requirements. System provided by owner.

Q. Ductwork takes precedence over electrical conduit. Coordinate conduit runs to allow ductwork to be installed as drawn. Light fixtures take precedence over ductwork.

R. All interior lights shall be controlled from wall switches and dimmer system. lights shall not be switched from panels alone.

S. Install an underground telephone conduit for the new service. Provide and install a pvc conduit from the point of origin of the service to the mechanical room. Install a pull chord for use by others. Size conduit per telephone company requirements.

T. All exterior lighting circuits shall be routed to terminals in vented switchboard. Circuits routed internall via contactors. Contactors shall be controlled by lighting control system as indicated on plans.

U. Install an underground cable TV conduit for the new service. Provide and install a pvc conduit from the point of origin of the service to the mechanical room. Install a pull chord for use by others. Size conduit per television company requirements.

V. All enclosures shall be of the NEMA type which is suitable for the application.

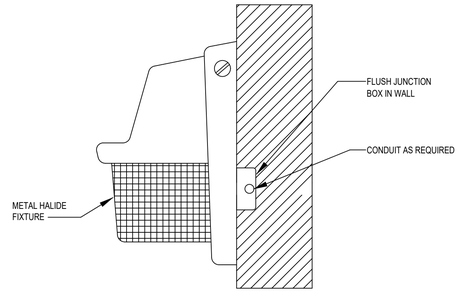
W. All work shall have proper labeling. All circuits shall be labeled at panels and boxes as indicated. All panels and disconnects are to be permanently marked with name or equipment served utilizing engraved nameplates, laminated phenolic black with white letters, 3/8" min. All panels are to be approved with type written panel schedules.

X. All breakers shall be HACR rated.

Y. Provide and install conduit and junction boxes for exterior signs (disconnects per nec-600-6) and interior lighting as indicated on the Drawings.

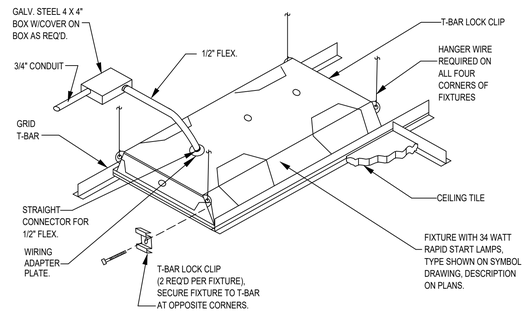
Z. Fire alarm and security system shall be installed by adt, owner's system and contractor.

Contractor shall install all boxes and conduit as indicated on the plans and as required by ADT. All boxes for fire alarm system shall be installed At the proper height to meet ADA requirements (80" AFF for strobes and 48" for pull stations).



1 / E3.0 EXTERIOR LIGHTING FIXTURE MOUNTING DETAIL

N.T.S.



2 / E3.0 TYPICAL RECESSED FLUORESCENT FIXTURE MOUNTING

N.T.S.

E3 ELECTRICAL SCHEDULES AND DETAILS

SCALE: NONE

CRUMB ENGINEERING
Crumb Engineering, LLC
4609 Fairfield Street
P-504.455.4450
Metairie, La 70006
jcrumb@crumbengineering.com

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

ELECTRICAL SCHEDULES AND DETAILS

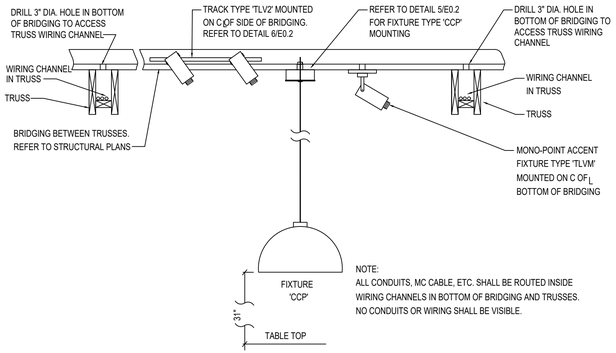
LICENSED PROFESSIONAL ENGINEER
JASON T. CRUMB
062-074293
OF ILLINOIS

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

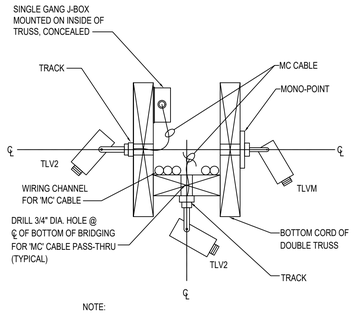
SHEET E3.0

DATE 11/01/22



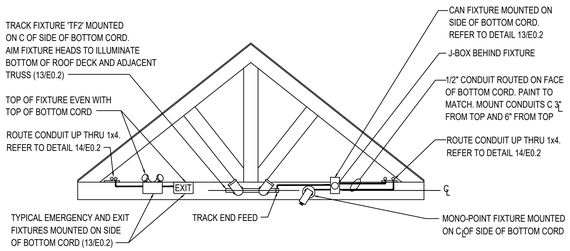
NOTE:
ALL CONDUITS, MC CABLE, ETC. SHALL BE ROUTED INSIDE WIRING CHANNELS IN BOTTOM OF BRIDGING AND TRUSSES. NO CONDUITS OR WIRING SHALL BE VISIBLE.

1 E3.1 LIGHT FIXTURE SUPPORT DETAILS @ BRIDGING
N.T.S.



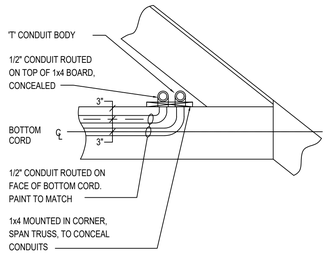
NOTE:
ALL CONDUITS, MC CABLE, ETC. SHALL BE ROUTED INSIDE WIRING CHANNELS IN BOTTOM OF BRIDGING AND TRUSSES. NO CONDUITS OR WIRING SHALL BE VISIBLE.

2 E3.1 TYPICAL TRACK MOUNTING DETAIL @ TRUSS
N.T.S.



NOTES:
1. ALL FIXTURES SHOWN ON SAME SIDE OF TRUSS FOR CLARITY. REFER TO PLAN FOR ACTUAL LOCATION.
2. CONDUITS ROUTED ON FACE OF SINGLE TRUSS ARE THE ONLY CONDUITS THAT ARE ALLOWED TO BE EXPOSED TO VIEW.
3. CONTRACTOR MAY COMBINE CIRCUITS INTO CONDUITS AS REQUIRED FOR SHORT RUNS ACROSS FACE OF BOTTOM CORD. EMERGENCY CIRCUITS SHALL ALWAYS BE IN A SEPERATE CONDUIT. TWO CONDUITS MAXIMUM MAY BE INSTALLED ON FACE OF CORD. CIRCUITS SHALL BE SEPERATED ONCE ABOVE CONCEALMENT BOARDS.

3 E3.1 ELEVATION OF SINGLE TRUSS, TYPICAL FIXTURE MOUNTING
N.T.S.



4 E3.1 CONDUIT CONCEALMENT DETAIL
N.T.S.

E3 ELECTRICAL SCHEDULES AND DETAILS
SCALE: NONE

CRUMB ENGINEERING
Crumb Engineering, LLC
4609 Fairfield Street
P-504.455.4450
Metairie, La 70006
jcrumb@crumbengineering.com

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

ELECTRICAL SCHEDULES AND DETAILS

LICENSED PROFESSIONAL ENGINEER
JASON T. CRUMB
062-074293
OF ILLINOIS

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230
SHEET E3.1
DATE 11/01/22

PROJECT NAME: Smokey Bones Champagne — DATE: 11/1/2022

CE JOB #:

PANEL: C — LOCATION 178

VOLTAGE: 120/208 — PHASE: 3, 4 WIRE — MOUNTING: SURFACE MOUNT

BUS AMPS: 100

MAIN OVERCURRENT DEVICE TYPE: CB

MAIN OVERCURRENT AMPS: 100

E= HVAC EQUIP. LOAD COOLING
L= LIGHTING LOAD
R= RECEPTACLE LOAD
W= WATER HEATER
K= KITCHEN EQ.
M= MISC EQ.
S= SPARES
H = HVAC EQUIP LOAD HEATING

REMARKS: WITH GROUND BUS, 10000 AIC, TUSS, ISOLATED GROUND BUS

CKT NO.	CIRCUIT NAME	BREAKER AMP	BREAKER POLE	LOAD VA	USE	PH	USE	LOAD VA	BREAKER AMP	BREAKER POLE	CIRCUIT NAME	CKT NO.
1	POS	20	1	500	R	A	R	500	20	1	POS	2
3	POS	20	1	500	R	B	R	500	20	1	POS	4
5	POS	20	1	500	R	C	S	200	20	1	POS	6
7	OFFICE	20	1	400	R	A	R	600	20	1	KDS SCREENS	8
9	OFFICE	20	1	400	R	B	R	200	20	1	EXPO TOUCH SCREENS	10
11	OFFICE	20	1	400	R	C	S	200	20	1	SPARE	12
13	SPARE	20	1	200	S	A	S	200	20	1	SPARE	14
15	SPARE	20	1	200	S	B	S	200	20	1	SPARE	16
17	SPARE	20	1	200	S	C	S	200	20	1	SPARE	18
19	SPARE	20	1	200	S	A	S	200	20	1	SPARE	20
21	SPARE	20	1	200	S	B	S	200	20	1	SPARE	22
23	SPARE	20	1	200	S	C	S	200	20	1	SPARE	24
25	SPARE	20	1	200	S	A	S	200	20	1	SPARE	26
27	SPARE	20	1	200	S	B	S	200	20	1	SPARE	28
29	SPARE	20	1	200	S	C	S	200	20	1	SPARE	30
31	SPARE	20	1	200	S	A	S	200	20	1	SPARE	32
33	SPARE	30	1	200	S	B	S	200	20	1	SPARE	34
35	SPARE		1	200	S	C	S	200	20	1	SPARE	36
37	SPARE	20	1	200	S	A	S	200	20	1	SPARE	38
39	SPARE	20	1	200	S	B	S	200	20	1	SPARE	40
41	SPARE	20	1	200	S	C	S	200	20	1	SPARE	42

	PHASE A	PHASE B	PHASE C	DOT CONN.	DEMAND	DEM .LOAD
HVAC COOLING LOAD (VA)	0	0	0	0	1	0
LIGHTING LOAD (VA)	0	0	0	0	1	0
RECEPTACLE LOAD (VA)	2000	1600	1400	5000	1	5000
WATER HEATER LOAD (VA)	0	0	0	0	1	0
KITCHEN EQ. LOAD (VA)	0	0	0	0	1	0
MISC EQ. LOAD (VA)	0	0	0	0	1	0
SPARES (VA)	2000	2000	2200	6200	1	6200
HVAC HEATING LOAD (VA)	0	0	0	0	1	0
TOTAL LOAD (VA)	4000	3600	3600	11200		11200

TOTAL CONNECTED LOAD KW 11.2 — TOTAL DEMAND LOAD KW 11.2

PHASE A CONNECTED AMPS 19.23
PHASE B CONNECTED AMPS 17.31
PHASE C CONNECTED AMPS 17.31

PHASE A DEMAND AMPS 19
PHASE B DEMAND AMPS 17.3
PHASE C DEMAND AMPS 17.3

PROJECT NAME: Smokey Bones Champagne — DATE: 11/1/2022

CE JOB #:

PANEL: K1 — LOCATION ELEC

VOLTAGE: 120/208 — PHASE: 3, 4 WIRE — MOUNTING: SURFACE MOUNT

BUS AMPS: 400

MAIN OVERCURRENT DEVICE TYPE: CB

MAIN OVERCURRENT AMPS: 300

E= HVAC EQUIP. LOAD COOLING
L= LIGHTING LOAD
R= RECEPTACLE LOAD
W= WATER HEATER
K= KITCHEN EQ.
M= MISC EQ.
S= SPARES
H = HVAC EQUIP LOAD HEATING

REMARKS: WITH GROUND BUS, 10000 AIC

CKT NO.	CIRCUIT NAME	BREAKER AMP	BREAKER POLE	LOAD VA	USE	PH	USE	LOAD VA	BREAKER AMP	BREAKER POLE	CIRCUIT NAME	CKT NO.
1	SODA	20	1	1000	K	A	K	400	20	1	RECEPTACLE	2
3	REFRIGERATOR	20	1	600	K	B	K	400	20	1	RECEPTACLE	4
5	DIPPER WELL	20	1	150	K	C	K	200	20	1	SPARE	6
7	DIPPER CABINET	20	1	500	K	A	K	400	20	1	FOOD PROCESSOR	8
9	ICE MAKER	20	1	1500	K	B	K	600	20	1	SLICER	10
11	ICE MAKER	20	1	1500	K	C	K	500	20	1	SMOKER	12
13	PREP TABLE	20	1	720	K	A	K	500	20	1	SMOKER	14
15	PREP TABLE	20	1	400	K	B	K	1000	20	1	HOOD POWER/ LIGHTS	16
17	COOLER LIGHTS/POWER	20	1	1600	K	C	K	1800	30	2	SPARE	18
19	CONVECTION OVEN*	20	1	900	K	A	K	1800				20
21	SPACE FOR SHUNT TRIP			0	S	B	S	0			SPACE FOR SHUNT TRIP	22
23	CONVECTION OVEN*	20	1	900	K	C	K	2200	20	1	HEATED CABINET	24
25	SPACE FOR SHUNT TRIP			0	S	A	K	1500	20	2	MICROWAVE	26
27	FREEEZER	20	1	750	K	B	K	1500				28
29	REFRIGERATOR	20	1	650	K	C	K	1500	20	2	MICROWAVE	30
31	FRYER*	20	1	500	K	A	K	1500				32
33	SPACE FOR SHUNT TRIP			0	S	B	K	1500	20	2	MICROWAVE	34
35	FRYER FILTER*	20	1	800	K	C	K	1500				36
37	SPACE FOR SHUNT TRIP			0	S	A	K	1500	20	2	MICROWAVE	38
39	REFRIGERATED CUP*	20	1	600	K	B	K	1500				40
41	SPACE FOR SHUNT TRIP			0	S	C	K	1500	20	2	MICROWAVE	42
43	SPARE	30	2	1800	K	A	K	1500				44
45				1800	K	B	K	350	20	1	HEAT LAMP	46
47	WARMING CABINET	20	1	1670	K	C	K	350	20	1	HEAT LAMP	48
49	WARMING DRAWER	20	1	1400	K	A	K	350	20	1	HEAT LAMP	50
51	PREP TABLE	20	1	720	K	B	K	720	20	1	PREP TABLE	52
53	TOASTER	20	2	1300	K	C	K	1600	30	2	HEAT LAMP	54
55				1300	K	A	K	1600				56
57	ICE MAKER	20	3	1700	K	B	K	1700	20	1	HOT WELL	58
59				1700	K	C	K	3000	20	3	RETHERMALIZER*	60
61				1700	K	A	K	3000				62
63	SPARE	20	1	200	S	B	K	3000				64
65	SPARE	20	1	200	S	C	S	200	20	1	SPARE	66
67	SPARE	20	1	200	S	A	S	200	20	1	SPARE	68
69	SPARE	20	1	200	S	B	S	200	20	1	SPARE	70
71	SPARE	20	1	200	S	C	S	200	20	1	SPARE	72
73	SPARE	20	1	200	S	A	S	200	20	1	SPARE	74
75	SPARE	20	1	200	S	B	S	200	20	1	SPARE	76
77	SPARE	20	1	200	S	C	S	200	20	1	SPARE	78
79	SPARE	20	1	200	S	A	S	200	20	1	SPARE	80
81	SPARE	20	1	200	S	B	S	200	20	1	SPARE	82
83	SPARE	20	1	200	S	C	S	200	20	1	SPARE	84

*SHUNT TRIP BREAKER. WIRE TO HOOD CONTROLS

	PHASE A	PHASE B	PHASE C	TOTAL
TOTAL LOAD (VA)	25070	21,740	26420	73230

TOTAL CONNECTED LOAD KW 73.23

PHASE A CONNECTED AMPS 120.53
PHASE B CONNECTED AMPS 104.52
PHASE C CONNECTED AMPS 127.02

PROJECT NAME: Smokey Bones Champagne — DATE: 11/1/2022

CE JOB #:

PANEL: P — LOCATION ELEC

VOLTAGE: 120/208 — PHASE: 3, 4 WIRE — MOUNTING: SURFACE MOUNT

BUS AMPS: 400

MAIN OVERCURRENT DEVICE TYPE: CB

MAIN OVERCURRENT AMPS: 300

E= HVAC EQUIP. LOAD COOLING
L= LIGHTING LOAD
R= RECEPTACLE LOAD
W= WATER HEATER
K= KITCHEN EQ.
M= MISC EQ.
S= SPARES
H = HVAC EQUIP LOAD HEATING

REMARKS: WITH GROUND BUS, 10000 AIC

CKT NO.	CIRCUIT NAME	BREAKER AMP	BREAKER POLE	LOAD VA	USE	PH	USE	LOAD VA	BREAKER AMP	BREAKER POLE	CIRCUIT NAME	CKT NO.
1	WATER HEATER	20	1	500	R	A	R	500	20	1	EXISTING CIRCUIT*	2
3	CIRC PUMP	20	1	150	R	B	R	500	20	1	EXISTING CIRCUIT*	4
5	WATER SOFT	20	1	250	R	C	R	500	20	1	EXISTING CIRCUIT*	6
7	TOILET ROOM	20	1	180	R	A	R	500	20	1	EXISTING CIRCUIT*	8
9	RECEPTACLES	20	1	800	R	B	R	500	20	1	EXISTING CIRCUIT*	10
11	RECEPTACLES	20	1	400	R	C	K	1000	20	2	FREEZER	12
13	RECEPTACLES	20	1	800	R	A	K	1000				14
15	RECEPTACLES	20	1	400	R	B	K	1000	20	2	COOLER/FREEZER	16
17	RECEPTACLES	20	1	600	R	C	K	1000				18
19	RECEPTACLES	20	1	400	R	A	K	750	20	1	COOLER	20
21	RECEPTACLES	20	1	400	R	B	K	750	20	1	COOLER	22
23	BAR RECEPTACLES	20	1	1800	R	C	K	750	20	1	COOLER	24
25	OFFICE	20	1	400	R	A	K	1000	20	2	FREEZER	26
27	OFFICE	20	1	400	R	B	K	1000				28
29	OFFICE	20	1	400	R	C	R	400	20	1	RECEPTACLES	30
31	BAR RECEPTACLES	20	1	800	R	A	R	400	20	1	RECEPTACLES	32
33	BAR COOLER	20	1	600	K	B	R	200	20	1	RECEPTACLES	34
35	BOTTLE COOLER	20	1	600	K	C	K	1600	20	1	SODA	36
37	BAR COOLER	20	1	600	K	A	R	200	20	1	LED FLAME SIGN	38
39	BAR COOLER	20	1	450	K	B	R	400	20	1	DINING RM TVS	40
41	BAR COOLER	20	1	450	K	C	R	200	20	1	PATIO TV	42
43	BOTTLE COOLER	20	1	1000	K	A	K	400	20	1	RECEPTACLES	44
45	GLASS WASHER	20	1	1300	K	B	K	500	20	1	SODA	46
47	PREP TABLE	20	1	400	K	C	K	1670	20	1	COFFEE	48
49	EF-6	20	1	400	M	A	K	750	20	2	COOLER	50
51	EF-7	20	1	400	M	B	K	750				52
53	RECEPTACLES	20	1	600	K	A	K	500	20	2	COOLER	54
55	RECEPTACLES	20	1	400	R	A	K	500				56
57	BAR RECEPTACLES	20	1	200	R	B	K	750	20	1	COOLER	58
59	BAR TVS	20	1	400	R	C	S	200	20	1	SPARE	60
61	BAR TVS	20	1	500	R	A	S	200	20	1	SPARE	62
63	SPARE	20	1	200	S	B	S	200	20	1	SPARE	64
65	SPARE	20	1	200	S	C	S	200	20	1	SPARE	66
67	SPARE	20	1	200	S	A	S	200	20	1	SPARE	68
69	SPARE	20	1	200	S	B	S	200	20	1	SPARE	70
71	SPARE	20	1	200	S	C	S	200	20	1	SPARE	72
73	SPARE	20	1	200	S	A	S	200	20	1	SPARE	74
75	SPARE	20	1	200	S	B	S	200	20	1	SPARE	76
77	SPARE	20	1	200	S	C	S	200	20	1	SPARE	78
79	SPARE	20	1	200	S	A	S	200	20	1	SPARE	80
81	SPARE	20	1	200	S	B	S	200	20	1	SPARE	82
83	SPARE	20	1	200	S	C	S	200	20	1	SPARE	84

* VERIFY EXISTING CIRCUITS TO BE CAPTURED ON SITE

	PHASE A	PHASE B	PHASE C	TOTAL
TOTAL LOAD (VA)	13480	13,050	15720	42250

TOTAL CONNECTED LOAD KW 42.25

PHASE A CONNECTED AMPS 64.81
PHASE B CONNECTED AMPS 62.74
PHASE C CONNECTED AMPS 75.58

PROJECT NAME: Smokey Bones Champagne — DATE: 11/1/2022

CE JOB #:

PANEL: L — LOCATION 178

VOLTAGE: 120/208 — PHASE: 3, 4 WIRE — MOUNTING: SURFACE MOUNT

BUS AMPS: 200

MAIN OVERCURRENT DEVICE TYPE: CB

MAIN OVERCURRENT AMPS: 100

E= HVAC EQUIP. LOAD COOLING
L= LIGHTING LOAD
R= RECEPTACLE LOAD
W= WATER HEATER
K= KITCHEN EQ.
M= MISC EQ.
S= SPARES
H = HVAC EQUIP LOAD HEATING

REMARKS: WITH GROUND BUS, 10000 AIC

CKT NO.	CIRCUIT NAME	BREAKER AMP	BREAKER POLE	LOAD VA	USE	PH	USE	LOAD VA	BREAKER AMP	BREAKER POLE	CIRCUIT NAME	CKT NO.
1	TOILET ROOM	20	1	475	L	A	L	1000	20	1	EXTERIOR LIGHTS	2
3	HOST	20	1	500	L	B	L	1500	20	1	LIGHT BAND	4
5	ENTRY CANS	20	1	300	L	C	L	400	20	1	DINING CANS	6
7	DINING CANS	20	1	400	L	A	L	480	20	1	TRACK LIGHTS	8
9	BAR CANS	20	1	850	L	B	L	960	20	1	TRACK LIGHTS	10
11	EM & EXIT LIGHTS	20	1	250	L	C	L	400	20	1	BAR PENDANTS	12
13	BOH LIGHTS	20	1	200	L	A	L	380	20	1	PERIMETER PENDANTS	14
15	KITCHEN LIGHTS	20	1	1200	L	B	L	150	20	1	PENDANTS	16
17	COOLER LIGHTING	20	1	1600	L	C	L	1000	20	1	LED1	18
19	EF-5	20	1	200	L	A	S	200	20	1	SPARE	20
21	SPARE	20	1	200	S	B	S	200	20	1	SPARE	22
23	SPARE	20	1	200	S	C	S	200	20	1	SPARE	24
25	SPARE	20	1	200	S	A	S	200	20	1	SPARE	26
27	SPARE	20	1	200	S	B	S	200	20	1	SPARE	28
29	SPARE	20	1	200	S	C	S	200	20	1	SPARE	30
31	SPARE	20	1	200	S	A	S	200	20	1	SPARE	32
33	SPARE	20	1	200	S	B	S	200	20	1	SPARE	34
35	SPARE	20	1	200	S	C	S	200	20	1	SPARE	36
37	SPARE	20	1	200	S	A	S	200	20	1	SPARE	38
39	SPARE	20	1	200	S	B	S	200	20	1	SPARE	40
41	SPARE	20	1	200	S	C	S	200	20	1	SPARE	42

	PHASE A	PHASE B	PHASE C	DOT CONN.	DEMAND	DEM .LOAD
HVAC COOLING LOAD (VA)	0	0	0	0	1	0
LIGHTING LOAD (VA)	3115	5160	3950	12225	1	12225
RECEPTACLE LOAD (VA)	0	0	0	0	1	0
WATER HEATER LOAD (VA)	0	0	0	0	1	0
KITCHEN EQ. LOAD (VA)	0	0	0	0	1	0
MISC EQ. LOAD (VA)	0	0	0	0	1	0
SPARES (VA)	1400	1600	1600	4600	1	4600
HVAC HEATING LOAD (VA)	0	0	0	0	1	0
TOTAL LOAD (VA)	4515	6760	5550	16825		16825

TOTAL CONNECTED LOAD KW 16.825 — TOTAL DEMAND LOAD KW 16.8

PHASE A CONNECTED AMPS 21.71
PHASE B CONNECTED AMPS 32.50
PHASE C CONNECTED AMPS 26.68

PHASE A DEMAND AMPS 22
PHASE B DEMAND AMPS 32.5
PHASE C DEMAND AMPS 26.7

PROJECT NAME: Smokey Bones Champagne — DATE: 11/1/2022

PANEL: MDP — LOCATION ELEC

VOLTAGE: 120/208 — PHASE: 3, 4W — MOUNTING: SURFACE

BUS AMPS: 1200

MAIN OVERCURRENT DEVICE TYPE: CB

MAIN OVERCURRENT AMPS: 1200

E= HVAC EQUIP. LOAD COOLING
L= LIGHTING LOAD
R= RECEPTACLE LOAD
W= WATER HEATER
K= KITCHEN EQ.
M= MISC EQ.
S= SPARES
H = HVAC EQUIP LOAD HEATING

REMARKS: TVSS, GROUND BUS, 22000 AIC, SHUNT TRIP MAIN

CKT NO.	CIRCUIT NAME	BREAKER AMP	BREAKER POLE	LOAD VA	USE	PH	USE	LOAD VA	BREAKER AMP	BREAKER POLE	CIRCUIT NAME	CKT NO.
1	DISHMACHINE	60	2	3250	K	A	E	750	20	2	KEF-2	2
3				3250	K	B	E	750				4
5	KITCHEN DOAS	90	3	8000	E	C	E	1000	20	1	KEF-3	6
7				8000	E	A	E	500	20	1	KEF-4	8
9				8000	E	B	M	16670	300	3	PANEL P	10
11	RTU-1	110	3	10000	E	C	M	15900				12
13				10000	E	A	M	16580				14
15				10000	E	B	M	17540	300	3	PANEL K1	16
17	RTU-2	110	3	10000	E	C	M	20650				18
19				10000	E	A	M	18450				20
21				10000	E	B	M	3600	100	3	PANEL C	22
23	KEF-1	20	1	1000	M	C	M	3600				24
25	SPARE	20	1	200	S	A	M	3600				26
27	SPARE	20	1	200	S	B	S	200	20	1	SPARE	28
29	SPARE	20	1	200	S	C	S	200	20	1	SPARE	30
31	SPARE	20	1	200	S	A	S	200	20	1	SPARE	32
33	SPARE	20	1	200	S	B	M	5200	100	3	PANEL L	34
35	SPARE	20	1	200	S	C	M	5000				36
37	SPARE	20	1	200	S	A	M	7300				38
39	SPARE	20	1	200	S	B	S	200	20	1	SPARE	40
41	SPARE	20	1	200	S	C	S	200	20	1	SPARE	42
43	SPARE	20	1	200	S	A	S	200	20	1	SPARE	44
45	SPARE	20	1	200	S	B	S	200	20	1	SPARE	46
47	SPARE	20	1	200	S	C	S	200	20	1	SPARE	48
49	SPARE	20	1	200	S	A	S	200	20	1	SPARE	50
51	SPARE	20	1	200	S	B	S	200	20	1	SPARE	52
53	SPARE	20	1	200	S	C	S	200	20	1	SPARE	54
55	SPARE	20	1	200	S	A	S	200	20	1	SPARE	56
57	SPARE	20	1	200	S	B	S	200	20	1	SPARE	58
59	SPARE	20	1	200	S	C	S	200	20	1	SPARE	60

	PHASE A	PHASE B	PHASE C	TOTAL	DEMAND
TOTAL LOAD (VA)	80430	77210	77350	234990	187992

TOTAL CONNECTED LOAD KW 234.99 — TOTAL DEMAND LOAD KW 188.0

PHASE A CONNECTED AMPS 386.68
PHASE B CONNECTED AMPS 371.20
PHASE C CONNECTED AMPS 371.88

PANEL FUSING SIZE 816.30

E3 ELECTRICAL SCHEDULES AND DETAILS

SCALE: NONE

CRUMB ENGINEERING
Crumb Engineering, LLC
4609 Fairfield Street
P-504.455.4450
Metairie, La 70006
jcrumb@crumbengineering.com

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

ELECTRICAL SCHEDULES AND DETAILS

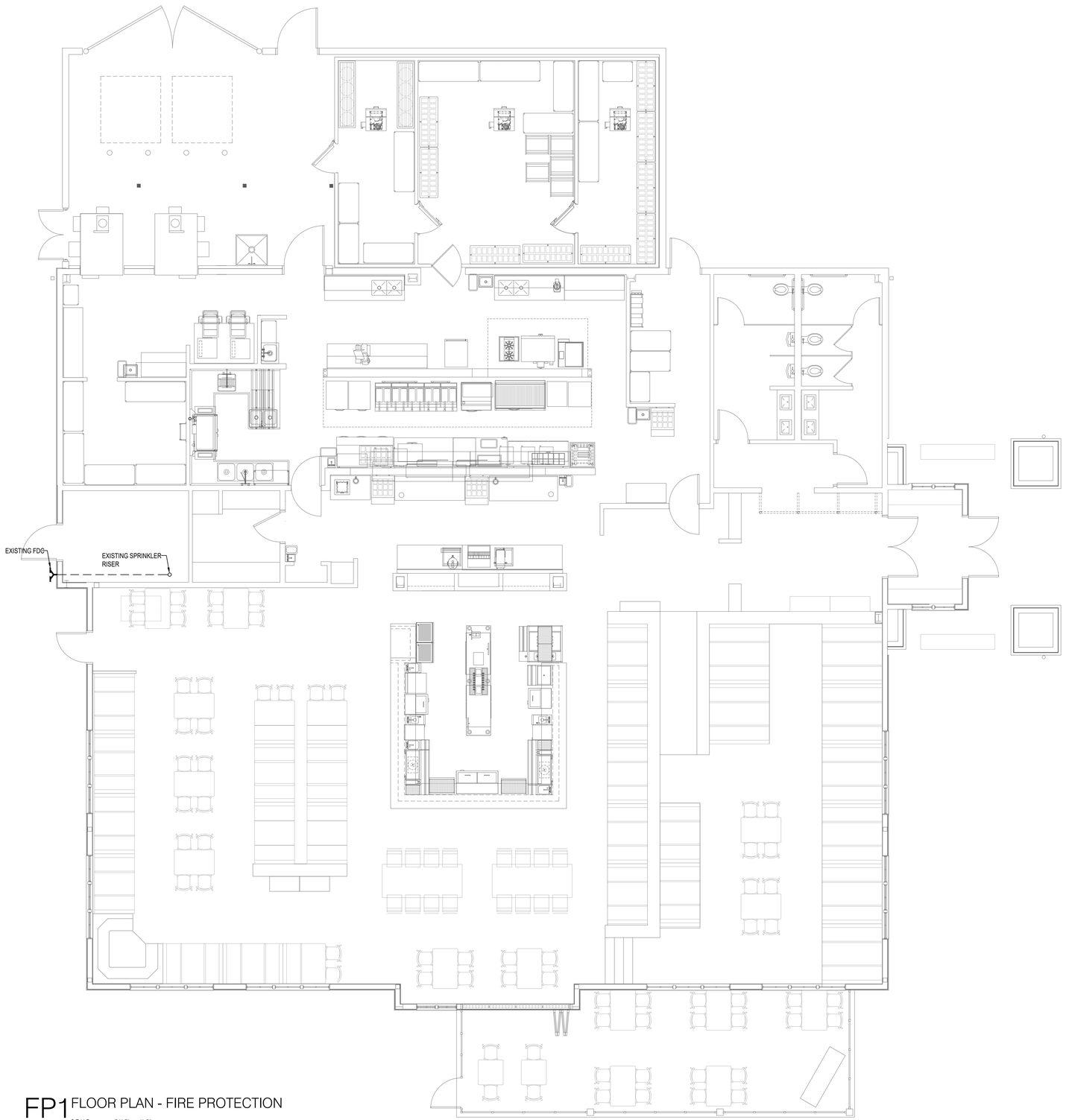
LICENSED PROFESSIONAL ENGINEER
JASON T. CRUMB
062-074293
OF ILLINOIS

REVISIONS NO.	DATE

PROJECT NO: IA 2230

SHEET E3.2

DATE 11/01/22



FP1 FLOOR PLAN - FIRE PROTECTION

SCALE: 3/16" = 1'-0"

FIRE PROTECTION GENERAL NOTES:

THE BUILDING CONTAINS AN EXISTING NFPA-13 COMPLIANT FIRE PROTECTION SYSTEM. THE EXISTING PIPING SHALL BE REMOVED BACK TO THE SPRINKLER RISER AND A NEW SYSTEM INSTALLED FOR THE ENTIRE BUILDING. THE FIRE PROTECTION SYSTEM SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13 REQUIREMENTS.

THE CONTRACTOR SHALL COORDINATE PIPE ROUTING WITH ALL DISCIPLINES TO IDENTIFY INTERFERENCES PRIOR TO PREPARATION OF FINAL LAYOUT OF DESIGN AND SHOP DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR SLOPED CEILINGS, FURRINGS, ETC. AND PROVIDE ADDITIONAL HEADS AS REQUIRED.

THE CONTRACTOR SHALL SIZE ALL PIPES REQUIRING MODIFICATION HYDRAULICALLY IN ACCORDANCE WITH NFPA-13 BASED ON ACTUAL ROUTING OF THE SYSTEM AND SUBMIT TO THE ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL.

THE CONTRACTOR SHALL PERFORM THE FINAL DESIGNS, PREPARE LAYOUT AND FABRICATION DRAWINGS AND DETAILS FOR THE SPRINKLER SYSTEM IN ACCORDANCE WITH APPLICABLE NFPA CODES, AND MEET THE REQUIREMENTS OF THE STATE FIRE MARSHAL, PROPERTY INSURANCE ASSOCIATION AND ALL OTHER AGENCIES HAVING JURISDICTION. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY OF DESIGN AND OPERATION OF THE SPRINKLER SYSTEM.

PIPE RACKS, CONDUIT BANKS, OVERHANGS, UNDER HANGS, AND DUCTWORK OVER 4' IN WIDTH SHALL REQUIRE SPRINKLER HEADS TO BE INSTALLED BOTH ABOVE AND BELOW. CONTRACTOR SHALL CONFORM TO NFPA-13 REQUIREMENTS.

WHERE PIPING IS EXPOSED, PIPING SHALL BE INSTALLED AS HIGH AS POSSIBLE.

ALL EXPOSED PIPING SHALL BE PAINTED PER DIVISION 9 - FINISHES.

ALL PIPING SHALL BE CONCEALED UNLESS OTHERWISE NOTED ON PLANS. EXPOSED PIPING SHALL BE RUN TIGHT TO STRUCTURE AND SLOPE WITH THE STRUCTURE.

ALL HEADS SHALL BE QUICK RESPONSE TYPE.

ALL AREAS SHALL BE LIGHT HAZARD OCCUPANCY EXCEPT FOR EQUIPMENT ROOMS, MECHANICAL ROOMS, ELECTRICAL ROOMS, KITCHENS AND JANITOR'S CLOSETS WHICH SHALL BE ORDINARY HAZARD GROUP 1. THE HYDRAULIC MINIMUM REQUIREMENTS SHALL BE AS FOLLOWS:

LIGHT HAZARD - 0.10 GPM/SQFT - 1500 SQFT MOST REMOTE AREA - 225 SQFT MAX SPRINKLER SPACING - 100 GPM HOSE ALLOWANCE

ORDINARY HAZARD I - 0.15 GPM/SQFT - 1500 SQFT MOST REMOTE AREA - 130 SQFT MAX SPRINKLER SPACING - 250 GPM HOSE ALLOWANCE

INCREASE REMOTE AREA 30% FOR SLOPED CEILINGS. DECREASE REMOTE AREA PER NFPA 13:11.2.3.2.3. INCREASE REMOTE AREA FOR DRY SYSTEMS.

IN WOOD CONSTRUCTION BUILDINGS PROVIDE SPRINKLERS ABOVE THE CEILING AND IN ATTIC SPACES UNLESS OTHERWISE ALLOWED BY NFPA-13. PROVIDE INSULATION ABOVE CEILING IN CONCEALED SPACES PER NFPA-13 OR INCREASE SPRINKLER DESIGN AREA TO 3000 SQFT.

IN ROOMS WITH ACOUSTICAL TILE CEILINGS, ALL SPRINKLERS SHALL BE CENTERED BOTH WAYS WITHIN CEILING TILES.

CRUMB ENGINEERING
Crumb Engineering, LLC
4609 Fairfield Street
P-504.455.4450
Metairie, La 70006
jcrumb@crumbengineering.com

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

FLOOR PLAN - FIRE PROTECTION

LICENSED PROFESSIONAL ENGINEER
JASON T. CRUMB
062-074293
OF ILLINOIS

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET FP1.0

DATE 11/01/22

Nov 01, 2022 - 6:57pm
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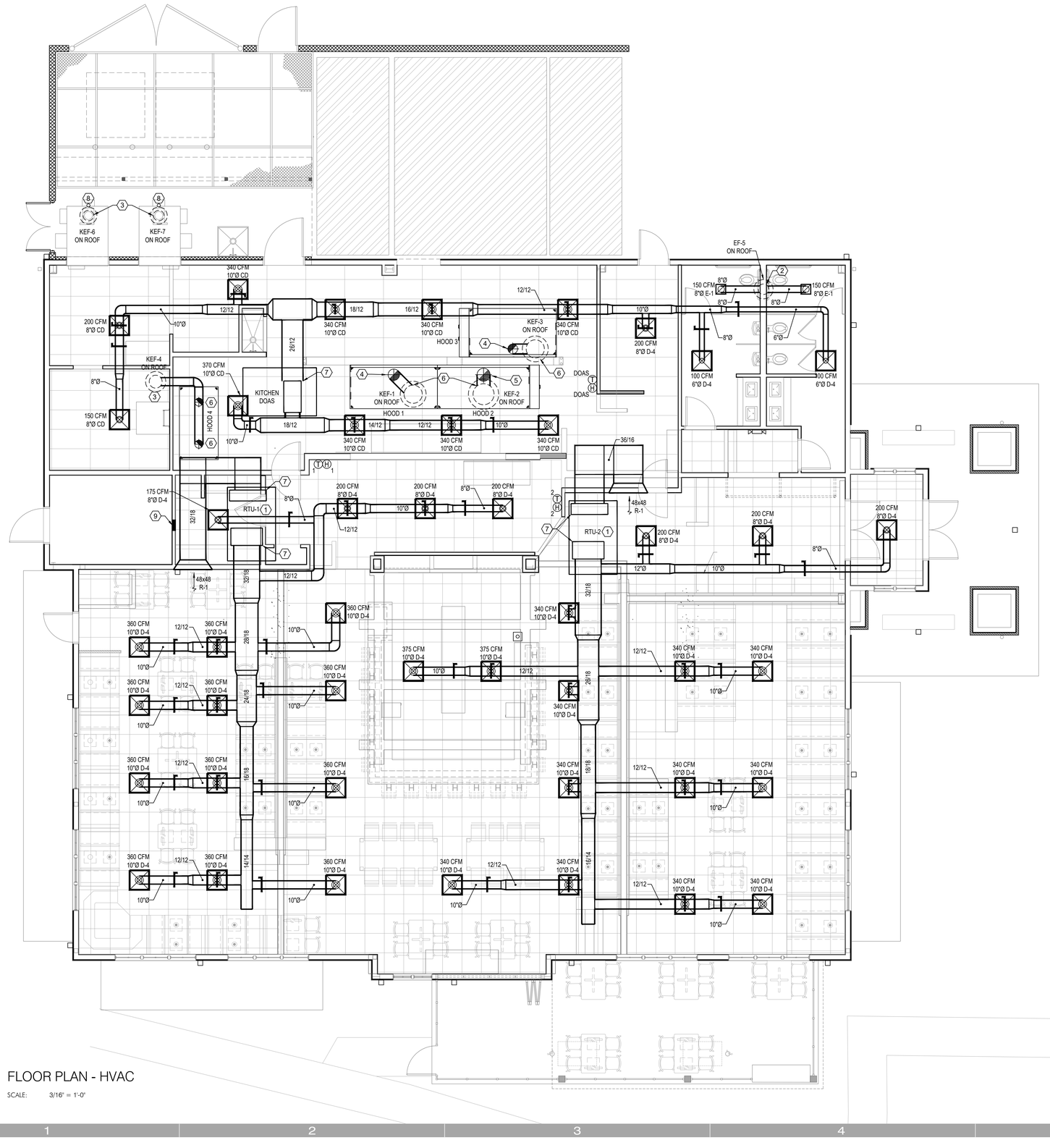

M1 FLOOR PLAN - HVAC

SCALE: 3/16" = 1'-0"

GENERAL NOTES THIS SHEET:

1. DUCT SIZES SHOWN ARE FREE AREA SIZES. SEE SPECIFICATIONS FOR DUCT MATERIALS AND INSULATION.
2. ALL DUCTWORK SHALL BE EXTERNALLY WRAPPED UNLESS NOTED OTHERWISE. INTERNALLY LINE ALL DUCTWORK FOR FIRST 5' OF SUPPLY AND RETURN FROM UNIT. EXPOSED RECTANGULAR DUCTWORK SHALL BE INTERNALLY LINED. ALL RETURN PLENUMS AND TRANSFER DUCTS SHALL BE INTERNALLY LINED.
3. PROVIDE VOLUME DAMPERS AT ALL TAPS INTO MAIN DUCT RUNS. PROVIDE VOLUME DAMPERS AT MAIN RETURN AND OUTSIDE AIR DUCTS.
4. INSULATE THE BACK OF ALL DIFFUSERS.
5. NO FLEX DUCT RUN SHALL EXCEED 8 FEET.
6. FLEX DUCT RUN OUTS TO DIFFUSERS SHALL BE SIZED SAME AS DIFFUSER NECK SIZE. FASTEN THE INNER HELIX AND OUTER JACKET OF FLEX DUCTS TO DIFFUSERS AND DUCTS WITH NYLON TIE WRAPS.
7. PROVIDE FLEXIBLE CONNECTIONS AT SUPPLY AND RETURN CONNECTIONS TO AC UNITS.
8. TOILET AND JANITOR EXHAUST FANS TO BE INTERLOCKED WITH ROOM LIGHT SWITCH.
9. ALL NEW DUCTWORK SHALL BE RUN ABOVE CEILINGS AND TIGHT TO STRUCTURE. COORDINATE WITH OTHER TRADES AND MAKE OFFSETS WHERE REQUIRED. PROVIDE DUCTWORK SHOP DRAWINGS. RUN DUCTWORK THROUGH TRUSSES WHERE SPACE IS LIMITED.
10. PROVIDE ACCESS TO ALL EQUIPMENT, INCLUDING ACCESS PANELS WHERE REQUIRED.
11. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE SUPPORTS, DUCTWORK, PIPING, CONTROLS, ETC AS REQUIRED.
12. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF FIRE WALLS AND PROVIDE FIRE DAMPERS IN ALL RATED WALLS AND FLOORS. PROVIDE FIRE DAMPERS IN ALL OUTSIDE AIR INTAKES.
13. PROVIDE DUCT DETECTORS IN THE SUPPLY AND RETURN FOR ALL AIR UNITS 2000 CFM AND OVER. PROVIDE FIRESTATS FOR ALL FANS 600 CFM AND OVER.
14. PROVIDE THERMOSTATS AND CONTROL WIRING FOR ALL AC AND FAN SYSTEMS SHOWN ON DRAWINGS.
15. PROVIDE TEST AND BALANCE FOR ALL AC AND FAN SYSTEMS.
16. PROVIDE INSULATED PLENUM BOXES (MINIMUM 12" DEEP UNLESS OTHERWISE NOTED) AT ALL LOUVERS FOR DUCT CONNECTIONS.
17. PROVIDE INSULATED CONDENSATE DRAIN PIPING FOR ALL AC SYSTEMS.
18. ALL REFRIGERATION PIPING SHALL BE SIZED AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. INSULATE ALL PIPING FOR HEAT PUMP SYSTEMS. FOR LONG REFRIGERANT PIPING RUNS, CONSULT EQUIPMENT MANUFACTURER FOR SPECIFIC INSTALLATION REQUIREMENTS.
19. OUTSIDE AIR INTAKES SHALL BE SEPARATED FROM EXHAUST OUTLETS AND VENT STACK BY 10', OFFSET AS REQUIRED.
20. ALL DIFFUSERS IN DINING AREA SHALL BE PAINTED SUCH THAT THEY MATCH THE COLOR OF THE CEILING TILES. VERIFY WITH ARCHITECTURAL PLANS.

SPECIFIC NOTES THIS SHEET:

1. ROOFTOP UNIT. SEE M4 SHEETS FOR SCHEDULES.
2. 8"Ø UP TO EF ON ROOF.
3. 10"Ø 18 GA, 304 SS PROVIDE CAPTIVE AIRE UL-2221 LISTED FACTORY BUILT DOUBLE WALL GREASE DUCT UP TO EF ON ROOF. SEE 5/M3.1.
4. 14"Ø 18 GA, 304 SS PROVIDE CAPTIVE AIRE UL-2221 LISTED FACTORY BUILT DOUBLE WALL GREASE DUCT UP TO EF ON ROOF.
5. 16"Ø 18 GA, 304 SS PROVIDE CAPTIVE AIRE UL-2221 LISTED FACTORY BUILT DOUBLE WALL GREASE DUCT UP TO EF ON ROOF.
6. CONNECT HOOD EXHAUST DUCT TO HOOD EXHAUST COLLAR.
7. TRANSITION AND CONNECT TO UNIT OPENING.
8. 6"Ø SMOKER FLUE DUCT THROUGH ROOF TO RAIN CAP.
9. CONTROL PANEL FOR (3) CAPTIVE-AIRE UNITS

CRUMB ENGINEERING
Crumb Engineering, LLC
4609 Fairfield Street
P-504.455.4450
Metairie, La 70006
jcrumb@crumbengineering.com

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

FLOOR PLAN - HVAC

LICENSED PROFESSIONAL ENGINEER
JASON T. CRUMB
062-074293
OF ILLINOIS

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET M1.0

DATE 11/01/22

Nov 09, 2022 - 8:32am
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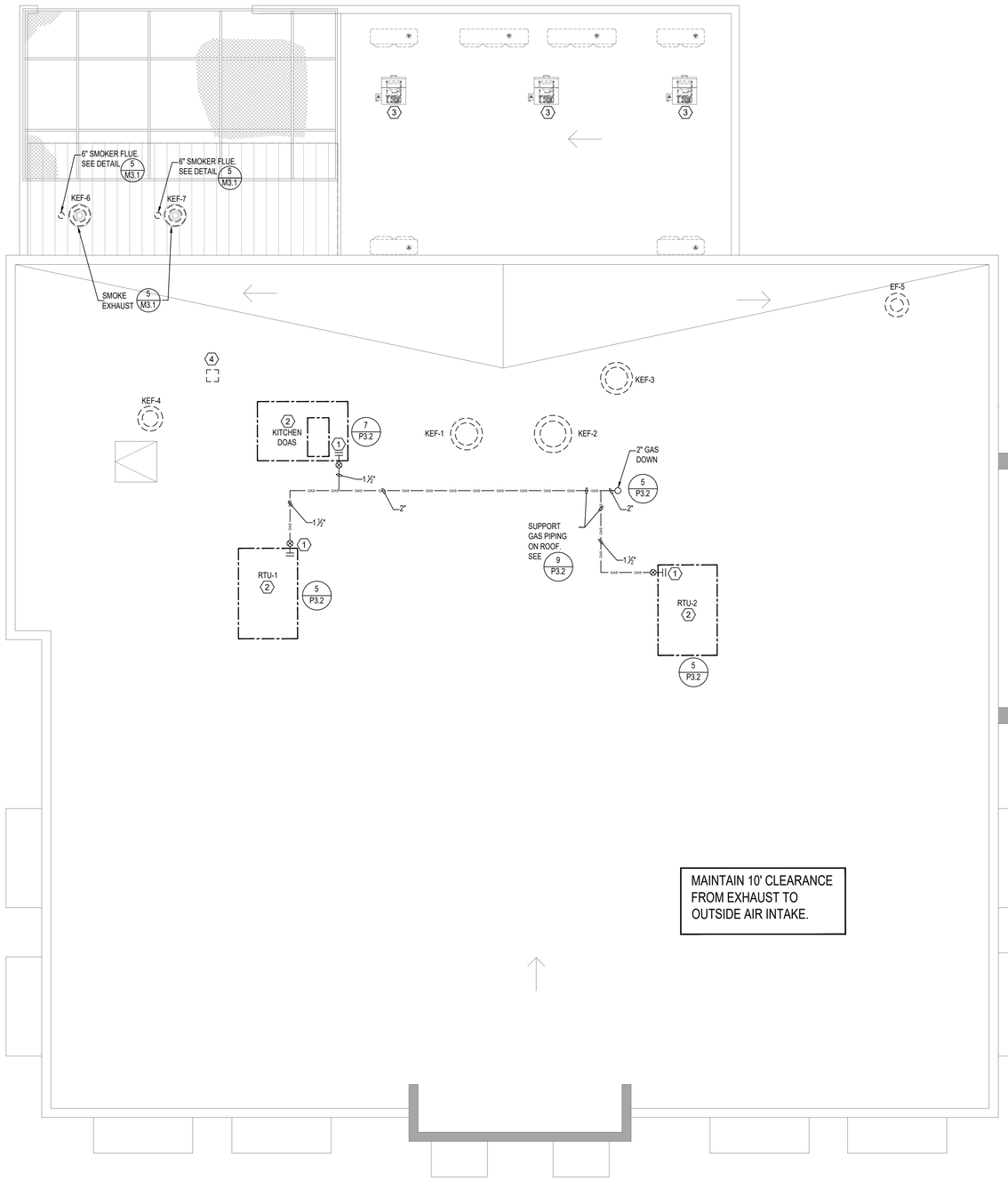

M2 ROOF PLAN

SCALE: 3/16" = 1'-0"

SPECIFIC NOTES THIS SHEET:

1. GAS PIPING WITH SHUTOFF VALVE, DRIPLEG, UNION AND W.P. FLEXIBLE GAS HOSE TO RTU.
2. RTU. SEE TYPICAL DETAIL ON M3.0. SEE CURB DETAIL 3/M3.1.
3. COOLER/ FREEZER CONDENSER. COORDINATE MOUNTING AND REFRIGERANT PIPING WITH VENDOR.
4. ICE MACHINE CONDENSER. COORDINATE MOUNTING AND REFRIGERANT PIPING WITH VENDOR.

CRUMB ENGINEERING
Crumb Engineering, LLC
4609 Fairfield Street
P-504.455.4450
Metairie, La 70006
jcrumb@crumbengineering.com

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

ROOF PLAN

LICENSED PROFESSIONAL ENGINEER
JASON T. CRUMB
062-074293
OF ILLINOIS

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET M2.0

DATE 11/01/22

Nov 10, 2022 - 4:12pm
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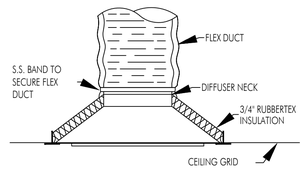
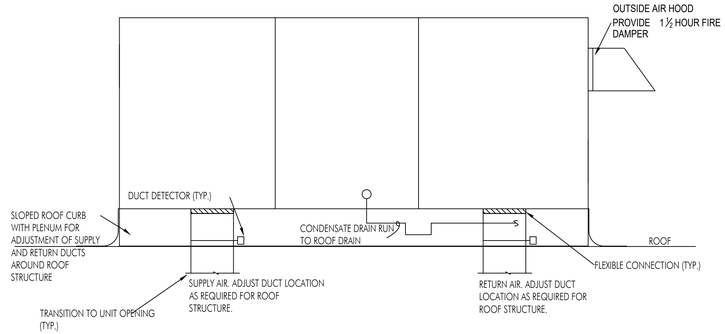
MECHANICAL		LEGEND	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
CWS	CHILLED WATER SUPPLY	O/A	OUTSIDE AIR
CWR	CHILLED WATER RETURN	R/A	RETURN AIR
HWR	HEATING WATER RETURN	RAG	RETURN AIR GRILLE
HWS	HEATING WATER SUPPLY	S/A	SUPPLY AIR
CFM	CUBIC FEET PER MINUTE	(TYP)	TYPICAL
CLG.	CEILING	VTR	VENT THRU ROOF
CONN.	CONNECTION	Ⓗ	HUMIDITY SENSOR
DN	DOWN	Ⓣ	TEMPERATURE SENSOR
E/A	EXHAUST AIR	VD	VOLUME DAMPER
EF	EXHAUST FAN		FLEX DUCT
F.I.D.	1 1/2 HOUR UL 555 FIRE DAMPER		AIR CHAMBER (10" HIGH PIPE)



NOTE: ALL SEEMS SHALL BE PROPERLY SEALED AND INSULATION GLUED TO BACK OF DIFFUSER. INSULATION SHALL COVER ENTIRE DIFFUSER AND NECK.

DIFFUSER INSULATION DETAIL

NO SCALE

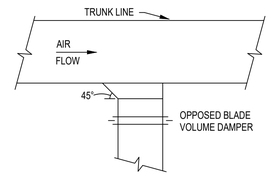


TYPICAL ROOF TOP AIR HANDLING UNIT DETAIL

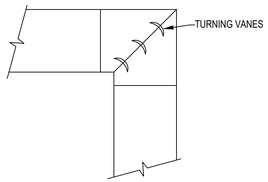
NO SCALE

DIFFUSER	GRILLE & REGISTER	SCHEDULE
MARK	DESCRIPTION	
CD	PERFORATED ALUMINUM CEILING DIFFUSER NO AIR PATTERN, 24"X24" LAY-IN FRAME, ROUND NECK AND WHITE FINISH.	TITUS PAR-AA
D	ARCHITECTURAL ALUMINUM PLAQUE DIFFUSER, 24"X24" LAY-IN FRAME, ROUND NECK , 4-WAY THROW.	TITUS PAR-AA
R-2	ALUMINUM SIDEWALL RETURN GRILLE WITH BLADES PARALLEL TO HORIZONTAL	TITUS MODEL 3F
E-1	PERFORATED ALUMINUM EXHAUST AIR GRILLE WITH ROUND NECK, 24"X24" LAY-IN FRAME FOR LAY-IN CEILING, WHITE FINISH.	TITUS PAR-AA

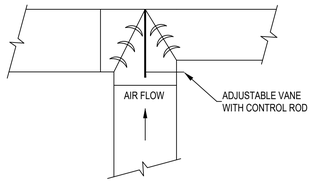
NOTES:
1. PROVIDE PLASTER FRAME FOR DIFFUSERS/GRILLES IN SHEETROCK CEILINGS.
2. PROVIDE PLENUM BOX AT REAR OF ALL RETURN GRILLES SIZED FOR GRILLE NECK FOR CONNECTION OF RETURN DUCTS.
3. INSULATE BACK OF ALL DIFFUSERS. SEE DETAIL ON DRAWINGS OR AT CONTRACTOR'S OPTION PROVIDE FACTORY BACK PAN INSULATION.
4. ADJUST LOCATION OF DIFFUSERS AS REQUIRED FOR ANY LIGHT CONFLICTS.
5. OWNER FURNISHED - CONTRACTOR RECEIVED AND SUPPLIED FOR ALL ITEMS THIS SCHEDULES.
6. GC TO PAINT DINING ROOM DIFFUSERS "MEDIUM TAUPE TO MATCH CEILING GRID.(REFER TO ARCHITECTURAL SHEETS)



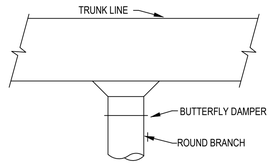
RECTANGULAR BRANCH DUCT TAKE-OFF



90° ELBOW



SPLITTER DAMPER



ROUND BRANCH DUCT TAKE-OFF

DUCT DETAILS

FOOD SERVICE EQUIPMENT MECHANICAL ROUGH-IN NOTES

1. ROUGH-IN PLAN SHOWS APPROXIMATE LOCATIONS FOR UTILITY REQUIREMENTS OF FOOD SERVICE EQUIPMENT SPECIFIED (INCLUDING FUTURE EQUIPMENT). CONTRACTOR SHALL FURNISH DIMENSIONED LOCATIONS FROM FINISHED WALLS AND/OR CENTER-LINE OF COLUMNS FOR ALL UTILITIES SHOWN ON CONTRACT DOCUMENT ROUGH-IN DRAWINGS.
2. WHERE APPLICABLE, ALL UTILITIES SHALL EXTEND UP THROUGH AND OUT OF BUILDING WALLS.
3. EXTEND AND CONNECT ALL UTILITIES TO CONNECTION POINTS OF FOOD SERVICE EQUIPMENT - DIVISION 15.
4. FURNISH AND INSTALL EXHAUST/SUPPLY FANS AND DUCTWORK (INDEPENDENT OF BUILDING HVAC SYSTEM) TO MEET REQUIREMENTS INDICATED. EXHAUST/SUPPLY FAN PACKAGE SHALL BE FURNISHED WITH MAGNETIC STARTERS - DIVISION 23.
5. EXHAUST/SUPPLY FAN CONTROL PANEL AND SWITCHES (EXCLUDING STARTERS) FOR EXHAUST HOODS SHALL BE FURNISHED BY DIVISION 11, THEREFORE NOT REQUIRED BY MANUFACTURER OF EXHAUST/SUPPLY FAN PACKAGE.
6. EXHAUST DUCTS SHALL BE WELDED TO DUCT COLLARS OF EXHAUST HOODS ABOVE COOKING EQUIPMENT IN ACCORDANCE WITH LATEST EDITIONS OF NFPA 96 - DIVISION 23.
7. FURNISH AND INSTALL AUTOMATIC WET CHEMICAL FIRE EXTINGUISHING SYSTEM FOR EXHAUST HOOD OVER COOKING EQUIPMENT TO MEET UL STANDARD 300, LATEST EDITIONS OF NFPA PAMPHLET NOS. 96 AND 17A, AND ALL OTHER APPLICABLE FIRE CODES - DIVISION 11.
8. TEMPERING OF SUPPLY AIR SHALL BE IN ACCORDANCE WITH HVAC DESIGN REQUIREMENTS - DIVISION 23.
9. ALL HVAC CEILING REGISTERS ARE TO BE DIRECTED AWAY FROM EXHAUST HOOD IN ACCORDANCE WITH CHAPTER 31 KITCHEN VENTILATION OF ASHRAE APPLICATIONS HANDBOOK, DATED 2007 - DIVISION 23.
10. DUCT ABOVE FINISHED CEILING SHALL BE WATER-TIGHT AND SLOPED SO THAT CONDENSATE FORMED WITHIN DUCT WILL DRAIN BACK INTO FUTURE DISHWASHER - DIVISION 23.

M3 SCHEDULES & DETAILS

SCALE: 3/16" = 1'-0"

MECHANICAL SPECIFICATIONS

GENERAL

ALL MATERIAL SHALL BE NEW AND OF TOP QUALITY COMMERCIAL GRADE.

CONTRACTOR SHALL VISIT JOB SITE BEFORE SUBMITTING BID. FAILURE TO BE SO INFORMED SHALL NOT ALLOW FOR ADDITIONAL COMPENSATION.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH INDUSTRY STANDARDS, LOCAL AUTHORITIES RULES AND REGULATIONS, NFPA GUIDELINES, AND OTHER NATIONAL STANDARDS.

CONTRACTOR SHALL PROVIDE SUBMITTAL DATA ON ALL MAJOR EQUIPMENT AND SHALL PROVIDE SHOP DRAWINGS FOR DUCTWORK AND PLUMBING.

CONTRACTOR SHALL GUARANTEE ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP FOR ONE YEAR AFTER DATE OF OWNER ACCEPTANCE.

EQUIPMENT AND PIPING SHALL BE PAINTED AND IDENTIFIED IN ACCORDANCE WITH INDUSTRY STANDARDS.

THE CONTRACTOR SHALL EMPLOY A TEST AND BALANCE AGENCY TO TEST AND BALANCE NEW AIR SYSTEMS IN ACCORDANCE WITH AABC GUIDELINES.

CONTRACTOR SHALL LEAVE THE PREMISES IN A CLEAN CONDITION AT THE END OF EACH WORKDAY.

DUCTWORK

PROVIDE AND INSTALL A COMPLETE SYSTEM OF DUCTWORK AS HEREIN SPECIFIED TO INCLUDE, BUT NOT LIMIT TO SUPPLY, RETURN, EXHAUST AND FRESH AIR WITH GRILLES, REGISTERS, DIFFUSERS AND APPURTENANCE TO PROVIDE A COMPLETE FUNCTIONAL AND OPERATIONAL SYSTEM. DUCT SIZES SHOWN ON DRAWINGS ARE FREE AREA DIMENSIONS. DESIGN SHALL BE AS DESCRIBED IN THE LATEST EDITION OF SMACNA MANUALS AND AS PER THE FOLLOWING:

1. ALL DUCTWORK TO BE INSULATED WITH 2" EXTERIOR WRAP, EXCEPT FOR EXPOSED DUCTWORK WHICH SHALL BE INSULATED WITH 1" INTERNAL LINER.

2. OUTSIDE AIR AND EXHAUST AIR DUCTS SHALL HAVE AIR-TIGHT SEAMS AND BE CONSTRUCTED AS PER APPLICABLE SECTIONS OF SMACNA MANUALS FOR LOW VELOCITY DUCTS.

3. SUPPLY AND RETURN DUCTS FOR LOW PRESSURE SYSTEM AND, LOW VELOCITY SYSTEMS SHALL BE GALVANIZED SHEETMETAL WITH AIRTIGHT SEAMS AND AS PER APPLICABLE SECTION OF SMACNA MANUALS FOR LOW VELOCITY DUCTS.

4. ROUND RIGID DUCTWORK SHALL BE ALL ROUND SPIRAL SINGLE WALL, GALVANIZED STEEL. INSULATE WITH 2" EXTERIOR DUCT WRAP. SEAL ALL SEAMS, JOINTS AND WALL PENETRATIONS WITH HARDCAST AS HEREIN SPECIFIED.

DUCT SUPPORTS FOR RECTANGULAR DUCTS SHALL BE A MINIMUM 1" X 18 GAUGE GALVANIZED STEEL BANDS. HANGER BANDS SHALL BE BENT UNDER LOWER CORNERS AND SECURED WITH SELF-TAPPING SCREWS AT CORNERS AND SIX (6") INCH INTERVALS UP THE SIDES. DISTANCE BETWEEN HANGERS SHALL BE AS RECOMMENDED BY SMACNA MANUAL FOR LOW AND MEDIUM DUCTWORK. DUCTWORK SHALL BE RIGIDLY SUPPORTED TO PREVENT VIBRATION. DUCT ATTACHMENTS TO STRUCTURE, LOWER HANGER ATTACHMENTS, DUCTS TRAPS AND RODS AND TRAPEZE ANGLES SHALL BE IN ACCORDANCE WITH SMACNA LOW PRESSURE AND HIGH PRESSURE DUCT STANDARDS.

WHERE THE DUCTS PASS THROUGH WALLS, DRAFTSTOPS OR PARTITIONS, THE SPACE SHALL BE PACKED WITH NON-COMBUSTIBLE MATERIALS, FILLING ALL VOIDS AROUND DUCT.

FIRE DAMPERS WITH FUSIBLE LINKS SHALL BE INSTALLED AT ALL POINTS IN DUCTWORK WHERE INDICATED ON DRAWINGS, AND/OR AS REQUIRED BY NFPA, 90-A, AND MECHANICAL CODE OF THE IBC.

ALL DUCTS SHALL BE SEALED PER SMACNA SEAL CLASS A. ALL JOINTS, LONGITUDINAL SEAMS AND WALL PENETRATIONS OF ALL SUPPLY, RETURN OUTSIDE AIR AND EXHAUST DUCTS SHALL BE SEALED WITH AN ELASTOMERIC TAPE WHICH SHALL CONSIST OF A PRESSURE SENSITIVE LAYER OF MODIFIED BUTYL RUBBER SEALER LAMINATED TO A FOIL BACKING MATERIAL WHICH SHALL CONFORM TO SURFACE VARIATIONS AND IRREGULAR AREAS AND SHALL NOT HARDEN, CRACK OR PEEL. THE SEALANT SHALL BE WATERPROOF AND SHALL BE A MINIMUM OF 15 MILS THICK. ALL DUCTWORK SHALL BE CLEANED AND PREPARED AND SEALANT SHALL BE APPLIED STRICTLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. SEALANT SHALL BE HARDCAST FG-1402, SURETAPE #653 OR APPROVED EQUAL, AT CONTRACTOR'S OPTION FLANGED GASKETED DUCT SYSTEM MAY BE USED FOR POSITIVE PRESSURE SYSTEM ONLY.

MECHANICAL SPECIFICATIONS

FLEXIBLE ROUND DUCT MAY BE USED FOR ALL DIFFUSER RUNOUTS, SHALL BE LISTED BY UNDERWRITERS' LABORATORIES, INCL, UNDER UL-181 STANDARDS AS CLASS 1 FLEXIBLE AIR DUCT MATERIAL COMPLYING WITH NFPA STANDARDS 90A. DUCTS SHALL BE RATED ON MAXIMUM PRESSURE OF 6 INCHES WG POSITIVE AND 2 INCHES WG NEGATIVE. THE DUCT SHALL BE FACTORY FABRICATED ASSEMBLY COMPOSED OF: AN INNER DUCT OF WOVEN AND COATED FIBERGLASS PROVIDING AN AIR SEAL AND BONDED PERMANENTLY TO CORROSION RESISTANT COATED STEEL WIRE HELIX: A 2" THICK FIBERGLASS INSULATING BLANKET AND LOW PERMEABLY OUTER VAPOR BARRIER OF FIBERGLASS REINFORCED METALIZED FILM LAMINATE. PRESSURE DROP NOT TO EXCEED 15" SP AT 500 FPM THROUGH 6" OR LARGER DUCT. MAXIMUM LENGTH OF FLEXIBLE DUCT SHALL NOT EXCEED 8'-0". CONNECT FLEXIBLE ROUND DUCT WITH 1/2" WIDE NYLON POSITIVE LOCKING NYLON STRAPS ON INNER DUCT AND OUTER DUCT.

FLEXIBLE CONNECTIONS SHALL BE PROVIDED BETWEEN EACH FAN UNIT AND DUCTWORK ON SUPPLY SIDE AND ALSO ON RETURN SIDE. MATERIAL SHALL BE FLEXIBLE FIRE-RESISTIVE MATERIAL, MINIMUM 4" WIDE, UL LISTED, WITH NO METAL TO METAL CONTACT.

MAXIMUM DUCT LEAKAGE SHALL BE +/- 5%, SMACNA SEAL CLASS A. DUCTWORK SHALL BE DESIGNED FOR 1.0" STATIC PRESSURE. CONSTRUCT DUCTWORK IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARDS FOR THE SPECIFIED PRESSURE CLASS.

PIPING AND EQUIPMENT INSULATION

ALL DOMESTIC HOT AND COLD WATER SHALL BE INSULATED WITH 1/2" MOLDED FIBERGLASS PIPE INSULATION.

ALL REFRIGERANT PIPING SHALL BE INSULATED WITH 3/4" CLOSED CELL FOAM INSULATION.

HEATING, VENTILATING, AND AIR CONDITIONING

PROVIDE NEW HVAC EQUIPMENT AS SCHEDULED. SEE M4 SERIES SHEETS FOR EQUIPMENT CUTSHEETS. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. RUN REFRIGERANT PIPING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

REFRIGERANT PIPING SHALL BE TYPE 'ACR' WITH BRAZED FITTINGS. PROVIDE LIQUID, SUCTION AND PIPING WITH ACCESSORIES AS REQUIRED BY MANUFACTURER. PROVIDE SHUTOFF VALVES AT EACH UNIT.

KITCHEN EXHAUST SYSTEM

Provide and install a complete kitchen exhaust duct system from kitchen hood duct collar to exhaust fan.

1. All kitchen exhaust and dishwasher exhaust duct work shown on plans shall be constructed of 18 gauge 304 stainless steel with a liquidtight continuous external weld. Ductwork shall conform to NFPA 96 requirements. Slope duct towards hoods.
2. Provide labeled, gasketed access panels as required by NFPA-96. Spacing of access panels not large enough for personnel entry shall not exceed 12 ft. Access panels shall be grease-tight and rated for 1500 degrees F. On main kitchen duct riser coordinate access panel locations in vertical duct with architectural access door on each floor.
3. Ductwork shall be supported by a minimum 18 gauge 304 stainless steel at intervals determined by SMACNA standards. Bolts, screws, rivets, and other mechanical fasteners shall not penetrate duct walls.
4. CaptiveAire specified equipment is owner supplied and, GC installed.

CRUMB ENGINEERING
Crumb Engineering, LLC
Metairie, La 70006
jcrumb@crumbengineering.com
4609 Fairfield Street
P-504.455.4450

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

SCHEDULES & DETAILS

LICENSED PROFESSIONAL ENGINEER
JASON T. CRUMB
062-074293
OF ILLINOIS

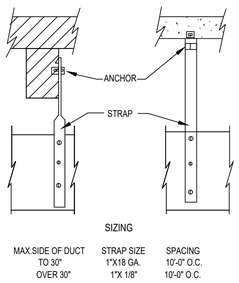
REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET M3.0

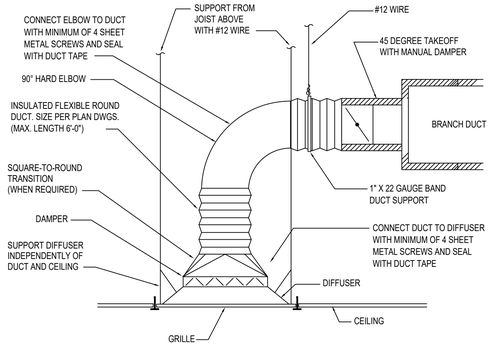
DATE 11/01/22

Nov 10, 2022 - 4:18pm
\\NAS-6E-3A-1E\crumblic\Projects\Smokey Bones - Champagne, IL\DRAWINGS\M3.0.dwg



1 M3.1 DUCT SUPPORT DETAIL

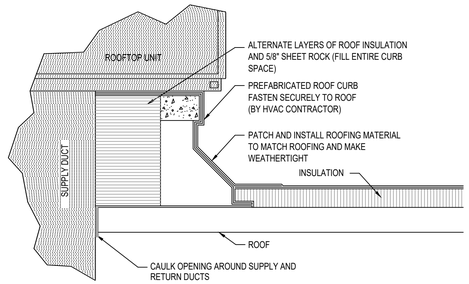
N.T.S.



SUPPLY DIFFUSER
INSTALLATION DETAIL (FLEXIBLE DUCT)

2 M3.1

N.T.S.

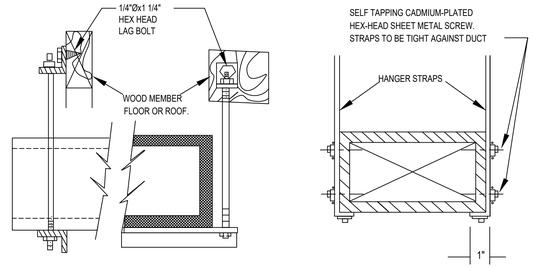


3 M3.1 ROOF CURB DETAIL

N.T.S.

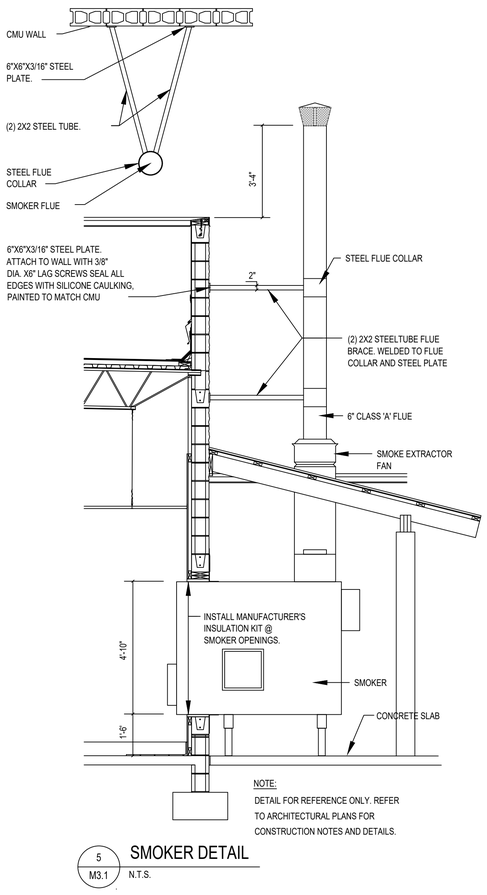
HANGER SIZES FOR RECTANGULAR DUCTS

MAXIMUM SIDE	HANGER	HORIZONTAL SUPPORT ANGLE	MAXIMUM SPACING
30"	1" x 18 GAGE STRAP	NONE REQUIRED	10'-0"
36"	1/4" ROUND ROD	1 1/2"x1 1/2"x1/8"	8'-0"
48"	1/4" ROUND ROD	2"x2"x1/8"	8'-0"
60"	5/16" ROUND ROD	2"x2"x1/8"	8'-0"



4 M3.1 DUCT HANGER

N.T.S.



5 M3.1 SMOKER DETAIL

N.T.S.

M3 SCHEDULES & DETAILS

SCALE: 3/16" = 1'-0"

CRUMB ENGINEERING
Crumb Engineering, LLC
4609 Fairfield Street
P-504.455.4450
Metairie, La 70006
jcrumb@crumbengineering.com

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

SCHEDULES & DETAILS

LICENSED PROFESSIONAL ENGINEER
JASON T. CRUMB
062-074293
OF ILLINOIS

REVISIONS NO.	DATE

PROJECT NO: IA 2230

SHEET M3.1

DATE 11/01/22

CAPTIVEAIRE SPECIFIED EQUIPMENT IS OWNER SUPPLIED, GC INSTALLED.

HOOD INFORMATION – JOB#5643990

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM DISCHRGE WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP	HOOD CONSTRUCTION	HOOD CONFIG END TO END	ROV
1	Fryers	5430 ND-2	CAPTIVEAIRE	9' 0"	450 DEG	I	MEDIUM	175	1575			4"	14"	1575	1473	-0.510"	430 SS WHERE EXPOSED	LEFT	ALONE
2	Grill	5430 ND-2	CAPTIVEAIRE	9' 6"	600 DEG	I	HEAVY	253	2400			4"	16"	2400	1719	-0.896"	430 SS WHERE EXPOSED	RIGHT	ALONE
3	Prep	6030 ND-2	CAPTIVEAIRE	9' 0"	450 DEG	I	MEDIUM	150	1350			4"	12"	1350	1719	-0.540"	430 SS WHERE EXPOSED	ALONE	ALONE
4	Dish	4830 VHB-G	CAPTIVEAIRE	7' 6"	700 DEG	II	N/A	107	800			4"	10"	400	733	-0.040"	304 SS 1001	ALONE	ALONE
												4"	10"	400	733	-0.040"			

HOOD INFORMATION

HOOD NO	TAG	FILTER(S) TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	LIGHT(S) QTY	TYPE	WIRE GUARD	LOCATION	SIZE	UTILITY CABINET(S) FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
1	Fryers	CAPTRATE SOLID FILTER	6	20"	16"	65% SEE FILTER SPEC	4	L55 SERIES E26	NO							YES	500 LBS
2	Grill	CAPTRATE SOLID FILTER	7	20"	16"	65% SEE FILTER SPEC	5	L55 SERIES E26	NO	RIGHT	12"x54"x36"					YES	551 LBS
3	Prep	CAPTRATE SOLID FILTER	6	20"	16"	65% SEE FILTER SPEC	5	L55 SERIES E26	NO	RIGHT	12"x60"x36"	TANK FS	4.0	SC-3300109MA	1 LIGHT 1 FAN	YES	762 LBS
4	Dish						0									NO	232 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	Fryers	RISER SENSOR INSTALL 6IN PLEN. LEFT WIDE VERTICAL END PANEL 42" TOP WIDTH, 36" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
2	Grill	RISER SENSOR INSTALL 10IN DBL. RIGHT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 436 SS.
3	Prep	RISER SENSOR INSTALL 6IN PLEN. LEFT WIDE VERTICAL END PANEL 42" TOP WIDTH, 36" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH

Intertek

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

GENERAL NOTES :

1. ELECTRICAL HOOK-UP TO CAS MOTOR CONTROLS (MOTOR STARTERS, FAN SWITCHES, FAN DISCONNECTS, RELAYS, ETC.) BY OTHERS.
2. FIRE CHASE BY OTHERS, IF REQUIRED.
3. ALL PHASES OF INSTALLATION SHALL COMPLY WITH NFPA 96.
4. LOCAL CODE REQUIREMENTS HAVE PRECEDENCE OVER SCALE.
5. PROVIDE CLEANOUTS IN EXHAUST AIR DUCTS AS INSTALLED TO ALLOW CLEANING AT ALL BENDS AND HORIZONTAL RUNS.
6. EXHAUST DUCTS TO BE OF 16 GA. STEEL, ALL SEAMS AND JOINTS TO HAVE A LIQUID TIGHT CONTINUOUS EXTERNAL WELD.
7. 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 NFPA 96.
8. EXHAUST DUCTWORK SHALL BE STRAIGHT LESS THAN 1/4" PER FOOT TOWARD HOOD FOR DUCT LESS THAN 75' LONG.
9. 1" PER FOOT SLOPE FOR DUCT LONGER THAN 75'
10. HOOD TO OVERHANG COOKING EQUIPMENT 6" ON EACH SIDE.
11. EXHAUST DUCT TO BE PROTECTED FROM COMBUSTIBLES PER NFPA96 AND LOCAL CODE.
12. BUILDING PRESSURE SHALL NOT EXCEED 0.02" WATER COLUMN AT EXTERIOR DOORS.
13. KITCHEN SHALL BE BALANCED TO BE NEGATIVE WITH RESPECT TO THE DINING ROOM.

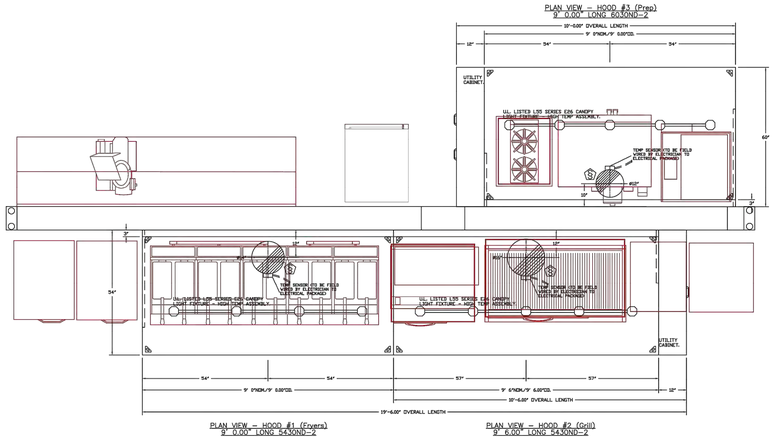
ELECTRICIAN NOTES :

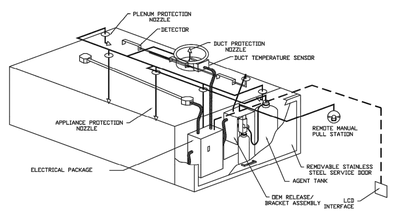
All Hood/Fan/EMS/UDS/PCU electrical connections and interconnections to be provided and installed by Electrician. Electrician to provide, install, and land wiring between hood lights, hood temp sensors, remote Ansul system microswitches, and any other component requiring an electrical connection to the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

FOR QUESTIONS, CALL THE
SOUTHWEST FLORIDA REGIONAL OFFICE
4519 GEORGE RD, SUITE 150, TAMPA, FL 33634
PHONE: (800)370-2471 FAX: (813)354-4825

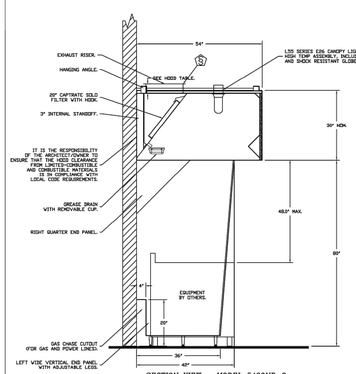
CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted ☐
Approved with NO Exception Taken ☐
Revise and Resubmit ☐
SIGNATURE _____
Your Title _____ Date _____

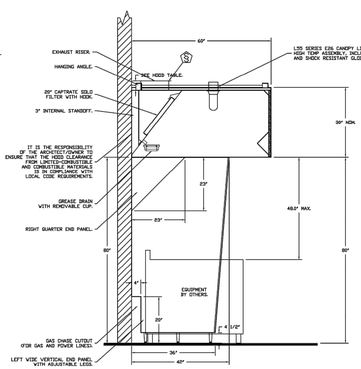




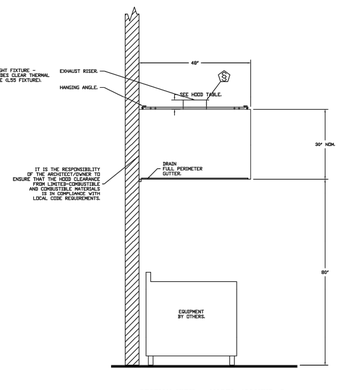
TYPICAL FIRE SYSTEM SYSTEM LAYOUT
TYPICAL HOOD CONTROL PANEL INSTALLATION



SECTION VIEW – MODEL 5430ND-2
HOOD – #1 (Fryer) &#2 (Grill)

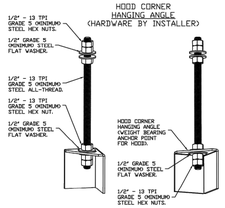


SECTION VIEW – MODEL 6030ND-2
HOOD – #3 (Prep)



SECTION VIEW – MODEL 4830VHB-G
HOOD – #4 (Dish)

HOOD CORNER HANGING ANGLE (HARDWARE BY INSTALLER)



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.

REVISIONS

	DESCRIPTION	DATE:
1		
2		
3		
4		

CAPTIVEAIRE

National Accounts – Tampa
4519 George Road, Suite 150, Tampa, FL. 33634 PHONE: (813) 724-3030 EMAIL: rsg040@captiveaire.com
www.captiveaire.com

Smokey Bones
Champaign, IL

DATE: 9/27/2022
DWG.#: 5643990
DRAWN BY: Dan Luddy
SCALE: 1/2" = 1'-0"
MASTER DRAWING
SHEET NO. 1

CRUMB ENGINEERING
Crumb Engineering, LLC
4609 Fairfield Street
P-504.455.4450
Metairie, La 70006
jcrumb@crumbengineering.com

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

HOOD DETAILS

LICENSED PROFESSIONAL ENGINEER
JASON T. CRUMB
062-074293
OF ILLINOIS

REVISIONS NO.	DATE

PROJECT NO: IA 2230

SHEET M4.0

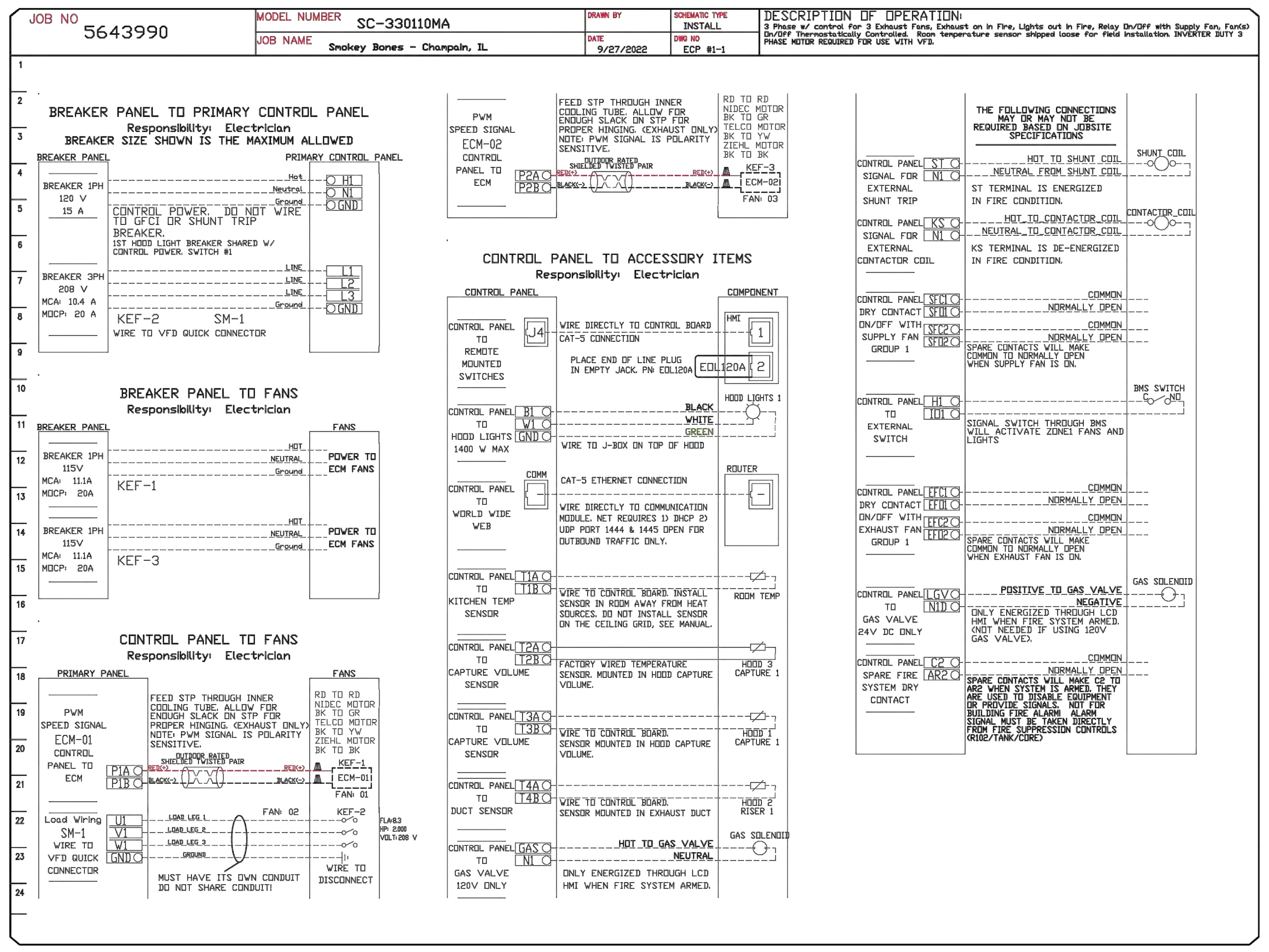
DATE 11/01/22

M4 HOOD DETAILS
SCALE: 3/16" = 1'-0"

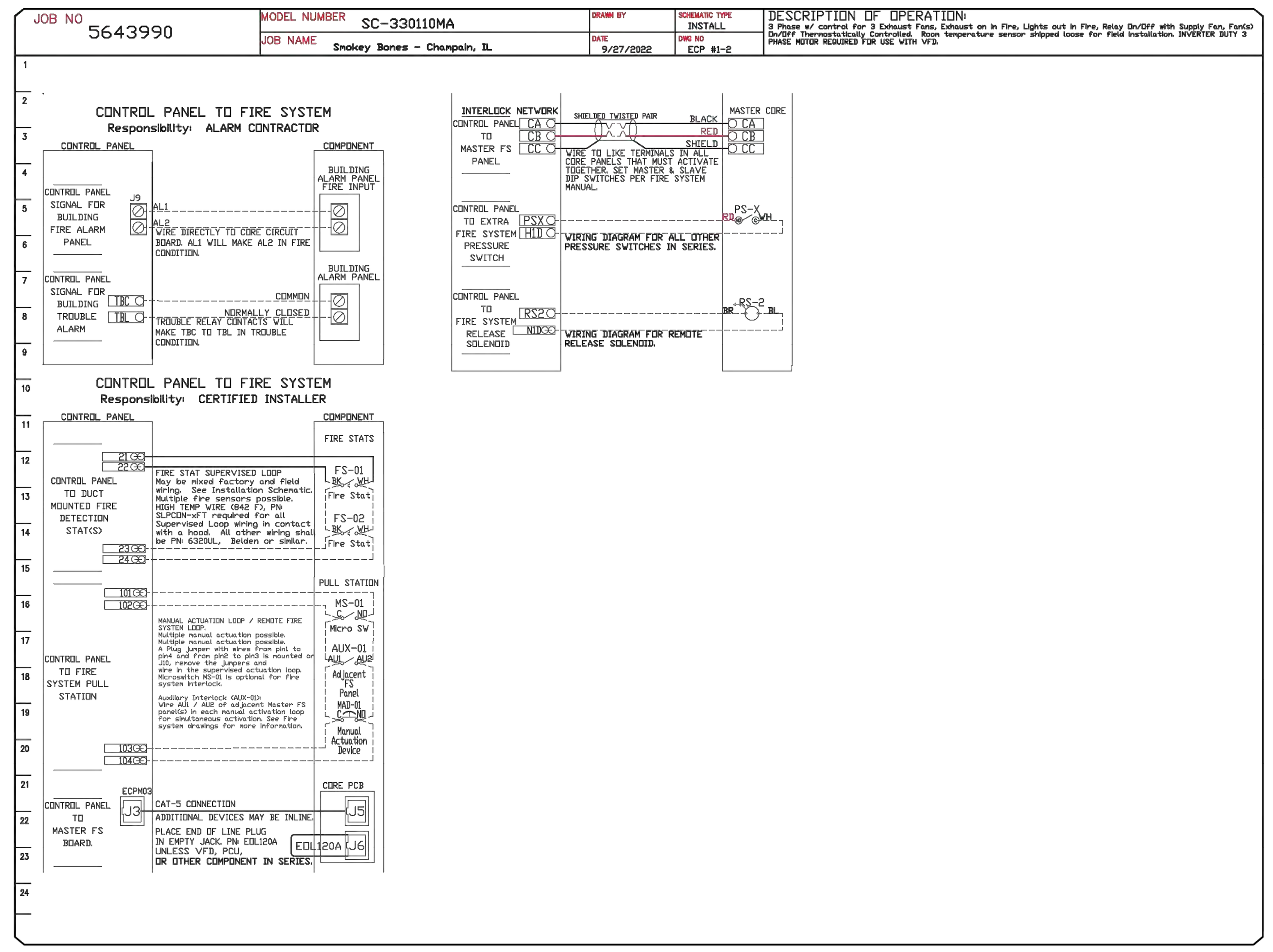
CAPTIVEAIRE SPECIFIED EQUIPMENT IS OWNER SUPPLIED, GC INSTALLED.

ELECTRICAL PACKAGE – JOB#5643990

NO	TAG	PACKAGE #	LOCATION	SWITCHES LOCATION	SWITCHES QUANTITY	OPTION	FANS CONTROLLED FAN TAG	TYPE	Φ	HP	VOLT	FLA
1		SC-330110MA	UTILITY CABINET RIGHT	08 - SHIP LOOSE W/ PREWIRE	1 LIGHT 1 FAN	SMART CONTROLS THERMOSTATIC CONTROL W/ RELAY ON/OFF WITH SUPPLY	KEF-1	EXHAUST	1	0.750	115	8.9
							KEF-2	EXHAUST	3	2.000	208	8.3
							KEF-3	EXHAUST	1	0.750	115	8.9



JOB NO 5643990
MODEL NUMBER SC-330110MA
JOB NAME Smokey Bones - Champain, IL
DATE 9/27/2022
SCHEMATIC TYPE INSTALL
DWG NO ECP #1-1
DESCRIPTION OF OPERATION: 3 Phase w/ control for 3 Exhaust Fans, Exhaust on in Fire, Lights out in Fire, Relay On/Off with Supply Fan, Fan(s) On/Off Thermostatically Controlled. Room temperature sensor shipped loose for field installation. INVERTER DUTY 3 PHASE MOTOR REQUIRED FOR USE WITH VFD.
BREAKER PANEL TO PRIMARY CONTROL PANEL
BREAKER PANEL TO FANS
CONTROL PANEL TO FANS
CONTROL PANEL TO ACCESSORY ITEMS



REVISIONS

CAPTIVEAIRE
www.captiveaire.com
National Accounts - Tampa
4519 George Road, Suite 150, Tampa, FL 33634 PHONE: (813) 724-3030 EMAIL: reg840@captiveaire.com

Smokey Bones
Champaign, IL

DATE: 9/27/2022
DWG.#: 5643990
DRAWN BY: Dan Luddy
SCALE: 1/2" = 1'-0"
MASTER DRAWING
SHEET NO. 2

M4 HOOD DETAILS
SCALE: 3/16" = 1'-0"

CRUMB ENGINEERING
Crumb Engineering, LLC
4609 Fairfield Street
Metairie, La 70006
P-504.455.4450
jcrumb@crumbengineering.com

SMOKEY BONES CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

HOOD DETAILS

LICENSED PROFESSIONAL ENGINEER
JASON T. CRUMB
062-074293
OF ILLINOIS

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230
SHEET M4.1
DATE 11/01/22

CAPTIVEAIRE SPECIFIED EQUIPMENT IS OWNER SUPPLIED, GC INSTALLED.

EXHAUST FAN INFORMATION – JOB#5643990

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	KEF-1	1	DU85HFA	CAPTIVEAIRE	1575	0.750	1200	TEAO-ECM	0.750	0.3030	1	115	8.9	498 FPM	93	9.5
2	KEF-2	1	DU180HFA	CAPTIVEAIRE	2400	1.250	1151	ODP,PREMIUM	2.000	1.0380	3	208	8.3	554 FPM	188	13.7
3	KEF-3	1	DU85HFA	CAPTIVEAIRE	1350	0.750	1132	TEAO-ECM	0.750	0.2540	1	115	8.9	427 FPM	93	8.1
4	KEF-4 DISH	1	DU33HFA	CAPTIVEAIRE	800	0.500	1569	TEFC	0.333	0.2320	1	115	3.8	396 FPM	70	17.1
5	EF-5-RESTROOM	1	DR12HFA	CAPTIVEAIRE	300	0.375	1154	TEAO-ECM	0.250	0.0670	1	115	2.9		49	4.8
6	EF-6 (SMOKER1)	1	DU50HFA	CAPTIVEAIRE	1200	0.500	1317	ODP	0.500	0.2280	1	115	8.4	456 FPM	89	11.8
7	EF-7 (SMOKER2)	1	DU50HFA	CAPTIVEAIRE	1200	0.500	1317	ODP	0.500	0.2280	1	115	8.4	456 FPM	89	11.8

CURB ASSEMBLIES

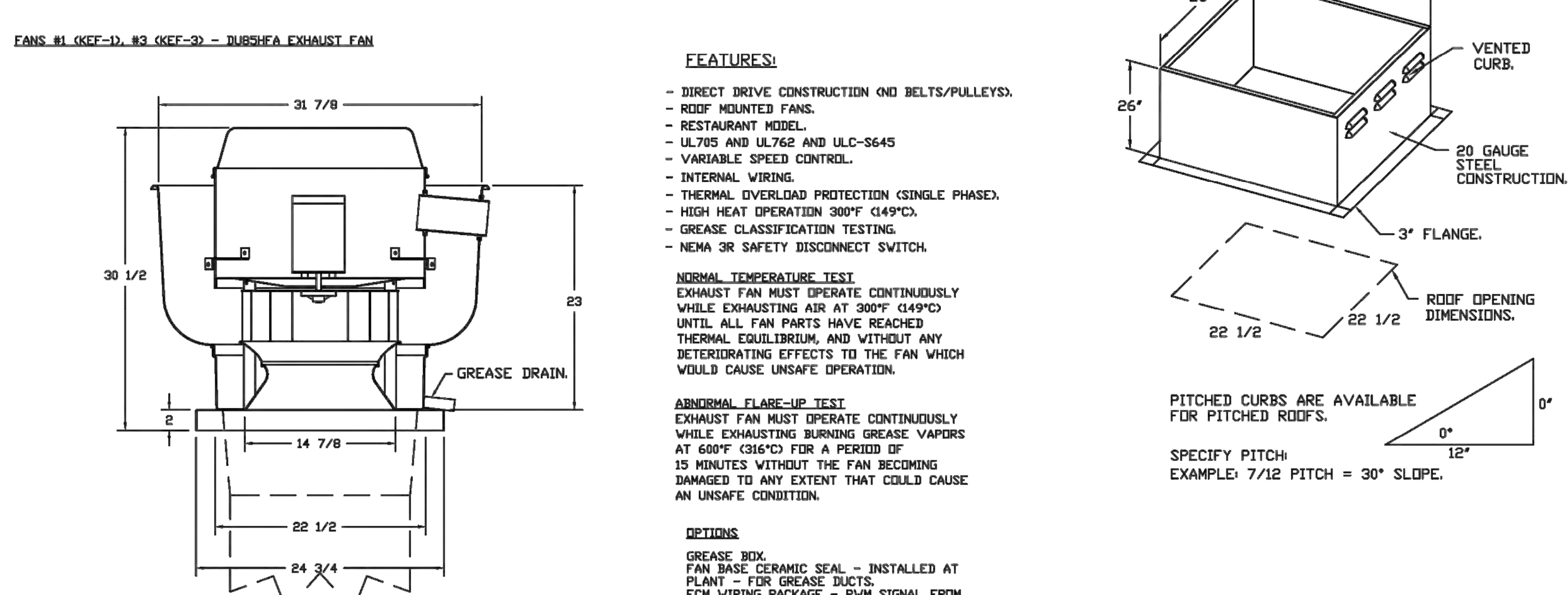
NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	KEF-1	44 LBS	CURB	23.000"W X 23.000"L X 26.000"H ALONG LENGTH, RIGHT VENTED HINGED.
2	# 2	KEF-2	34 LBS	CURB	26.500"W X 26.500"L X 26.000"H ALONG LENGTH, RIGHT VENTED HINGED.
3	# 3	KEF-3	44 LBS	CURB	23.000"W X 23.000"L X 26.000"H ALONG LENGTH, RIGHT VENTED HINGED.
4	# 4	KEF-4 DISH	27 LBS	CURB	19.500"W X 19.500"L X 20.000"H ALONG LENGTH, RIGHT.
5	# 5	EF-5-RESTROOM	16 LBS	CURB	17.500"W X 17.500"L X 14.000"H ALONG LENGTH, RIGHT.
6	# 6	EF-6 (SMOKER1)	38 LBS	CURB	19.500"W X 19.500"L X 26.000"H 4.000:12.000 PITCH ALONG LENGTH, RIGHT VENTED HINGED.
7	# 7	EF-7 (SMOKER2)	38 LBS	CURB	19.500"W X 19.500"L X 26.000"H 4.000:12.000 PITCH ALONG LENGTH, RIGHT VENTED HINGED.
8	# 8	KITCHEN DOAS	104 LBS	CURB	59.500"W X 91.000"L X 20.000"H ALONG WIDTH, RIGHT INSULATED.
9	# 9	RTU-1	104 LBS	CURB	59.500"W X 91.000"L X 20.000"H ALONG WIDTH, RIGHT INSULATED.
10	# 10	RTU-2	104 LBS	CURB	59.500"W X 91.000"L X 20.000"H ALONG WIDTH, RIGHT INSULATED.

DOAS/RTU FAN SCHEDULE – JOB#5643990

FAN INFORMATION											ELECTRICAL INFORMATION					COOLING INFORMATION											REHEAT INFORMATION					GAS HEAT INFORMATION				NOTES
																OUTSIDE AIR		MIXED AIR		LEAVING AIR			CAPACITY				DISCHARGE		CAPACITY							
FAN UNIT NO	TAG	QTY	DOAS/RTU MODEL #	MANUFACTURER	BLOWER	RETURN AIR CFM	MAX OUTSIDE AIR CFM	TOTAL CFM	WEIGHT (LBS)	ESP	HP	PHASE	VOLT	MCA	MOCP	DB	WB	DB	WB	DB	WB	DP	TOTAL	SENS.	IEER	ISMRE	DB	WB	DESIRED	MAX	MOISTURE REMOVAL RATE	GAS TYPE	INPUT BTUs	OUTPUT BTUs	TEMP RISE	
8	KITCHEN DOAS	1	CASRTU3-I.500-20-20T-DOAS	CAPTIVEAIRE	20P-3	0	3500	3500	2687	0.500	3.00	3	208	81.5A	90A	86.3°F	79.3°F	---	---	59.6°F	58.1°F	57.3°F	264.0 MBH	96.9 MBH	18.2	6.0	70.0°F	64.0°F	39.2 MBH	129.6 MBH	150.3 LBS/HR	NATURAL	383994	311035	75°F	1,2,3,4,5,6,7,8,9,10,11,12,13,14
9	RTU-1	1	CASRTU3-I.300-24-20T-DOAS	CAPTIVEAIRE	24MF-3-RTU	3350	1750	5100	2634	0.750	7.50	3	208	95.7A	110A	86.3°F	79.4°F	78.8°F	68.7°F	52.4°F	52.4°F	52.5°F	248.5 MBH	141.8 MBH	18.2	6.0	70.0°F	59.3°F	98.5 MBH	129.6 MBH	97.7 LBS/HR	NATURAL	226551	183506	30°F	1,2,3,4,5,6,7,8,9,10,11,12,13,15,16
10	RTU-2	1	CASRTU3-I.300-24-20T-DOAS	CAPTIVEAIRE	24MF-3-RTU	3350	1750	5100	2634	0.750	7.50	3	208	95.7A	110A	86.3°F	79.4°F	78.8°F	68.7°F	52.4°F	52.4°F	52.5°F	248.5 MBH	141.8 MBH	18.2	6.0	70.0°F	59.3°F	98.5 MBH	129.6 MBH	97.7 LBS/HR	NATURAL	226551	183506	30°F	1,2,3,4,5,6,7,8,9,10,11,12,13,15,16

NOTES:
1. INVERTER SCROLL COMPRESSOR WITH INTEGRATED OIL SENSOR. DIGITAL OR STAGED SCROLL NOT AN APPROVED EQUAL
2. DIRECT DRIVE PLENUM BLOWER. BELT DRIVEN BLOWERS ARE NOT ACCEPTABLE
3. INTEGRATED MONITORING VIA CELLULAR CONNECTION BY MANUFACTURER
4. REFRIGERATION PRESSURE MONITORING ON HIGH AND LOW PRESSURE SIDE OF SYSTEM INCLUDED THROUGH DIGITAL INTERFACE
5. EC MOTOR CONDENSING FANS
6. ELECTRONIC EXPANSION VALVE. TXV NOT ACCEPTABLE
7. SUCTION LINE ACCUMULATOR
8. FACTORY COMMISSIONING WITH 5 YEAR PARTS WARRANTY, 25 YEAR WARRANTY ON STAINLESS STEEL HEAT EXCHANGER
9. AVERAGING INTAKE, EVAP AND DISCHARGE TEMPERATURE SENSORS (DISCHARGE SENSOR TO BE FACTORY MOUNTED WITHIN UNIT)
10. 2" EXTERIOR DUAL-WALL CONSTRUCTION W/ R-13 INSULATION-MINIMUM 20GA EXTERIOR W/ 14GA BASE
11. 81% EFFICIENT FURNACE, WITH MODULATING INDUCER TO MAINTAIN CONSTANT COMBUSTION EFFICIENCY ACROSS FIRING RANGE. 6:1 TURNDOWN WITH NG AND 5:1 TURNDOWN WITH LP
12. SUPPLY CFM MONITORING INTEGRAL TO UNIT WITH CFM MEASUREMENT INCLUDED THROUGH DIGITAL INTERFACE
13. FULLY MODULATING HOT GAS REHEAT
14. DOWN DISCHARGE/NO RETURN
15. 15 DEGREE LOW AMBIENT OPERATION
16. DOWN DISCHARGE/DOWN RETURN

FANS #1 (KEF-1), #3 (KEF-3) – DU85HFA EXHAUST FAN



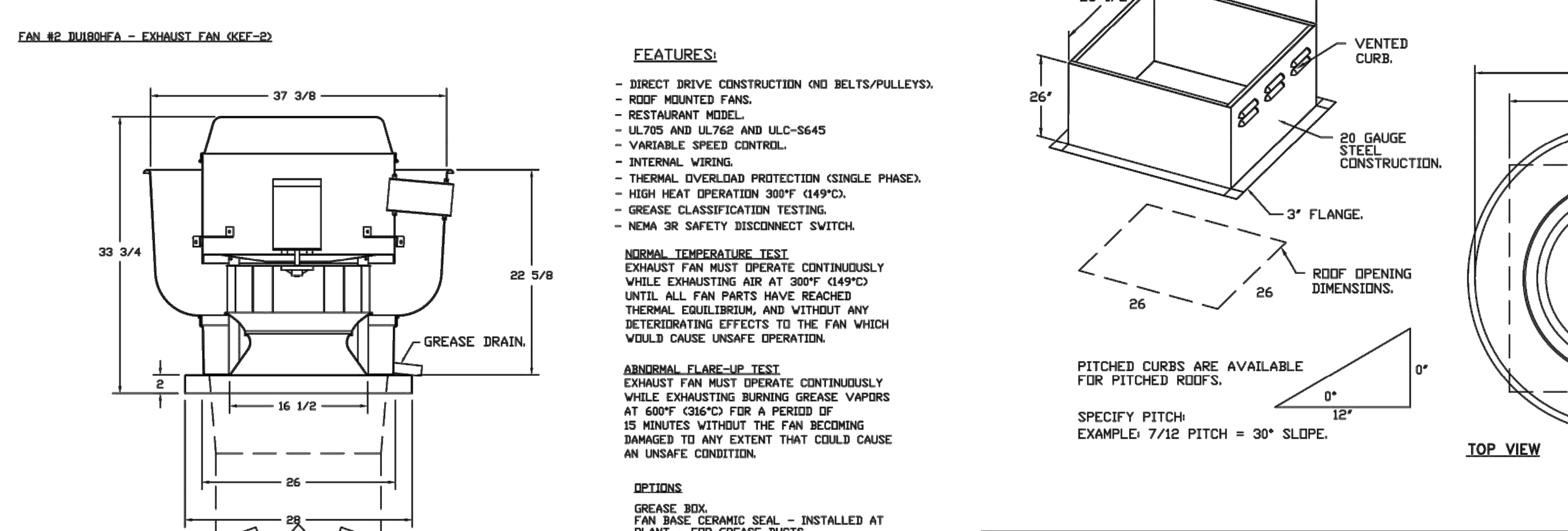
FEATURES:
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

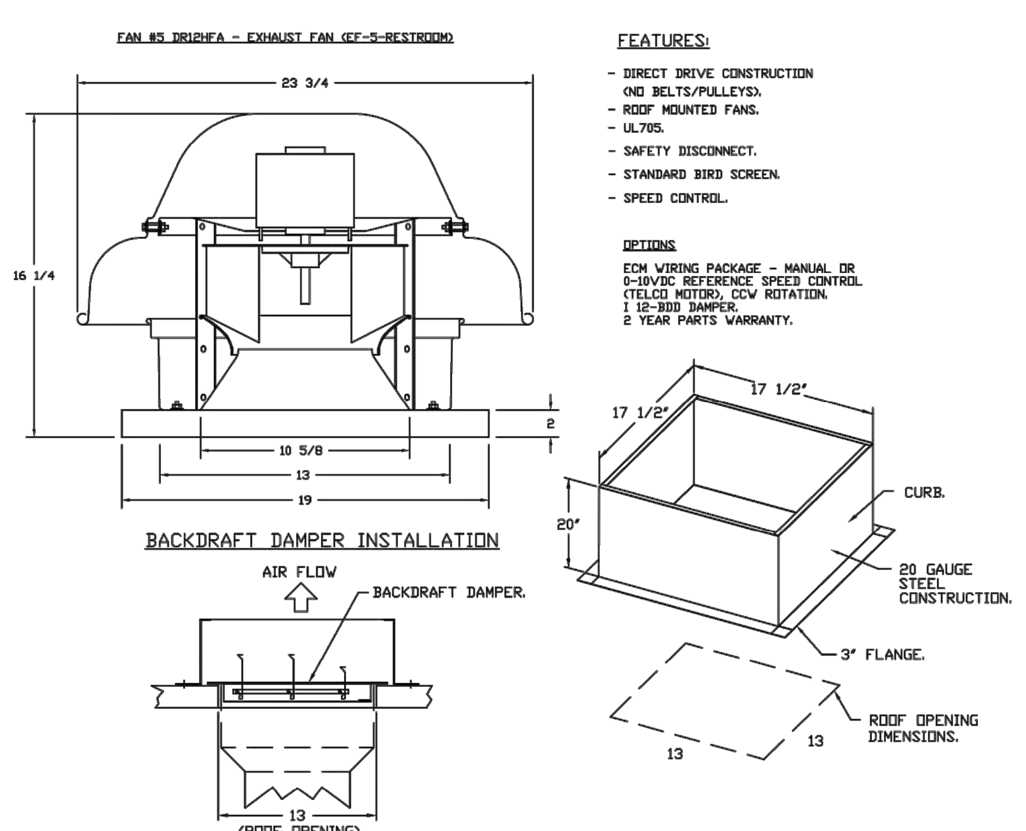
OPTIONS
GREASE BOX.
FAN BASE CERAMIC SEAL – INSTALLED AT PLANT – FOR GREASE DUCTS.
ECM WIRING PACKAGE – PWM SIGNAL FROM ECPM03 PREWIRE (TELCO MOTOR), CCW ROTATION.
2 YEAR PARTS WARRANTY.

FAN #2 DU180HFA – EXHAUST FAN (KEF-2)



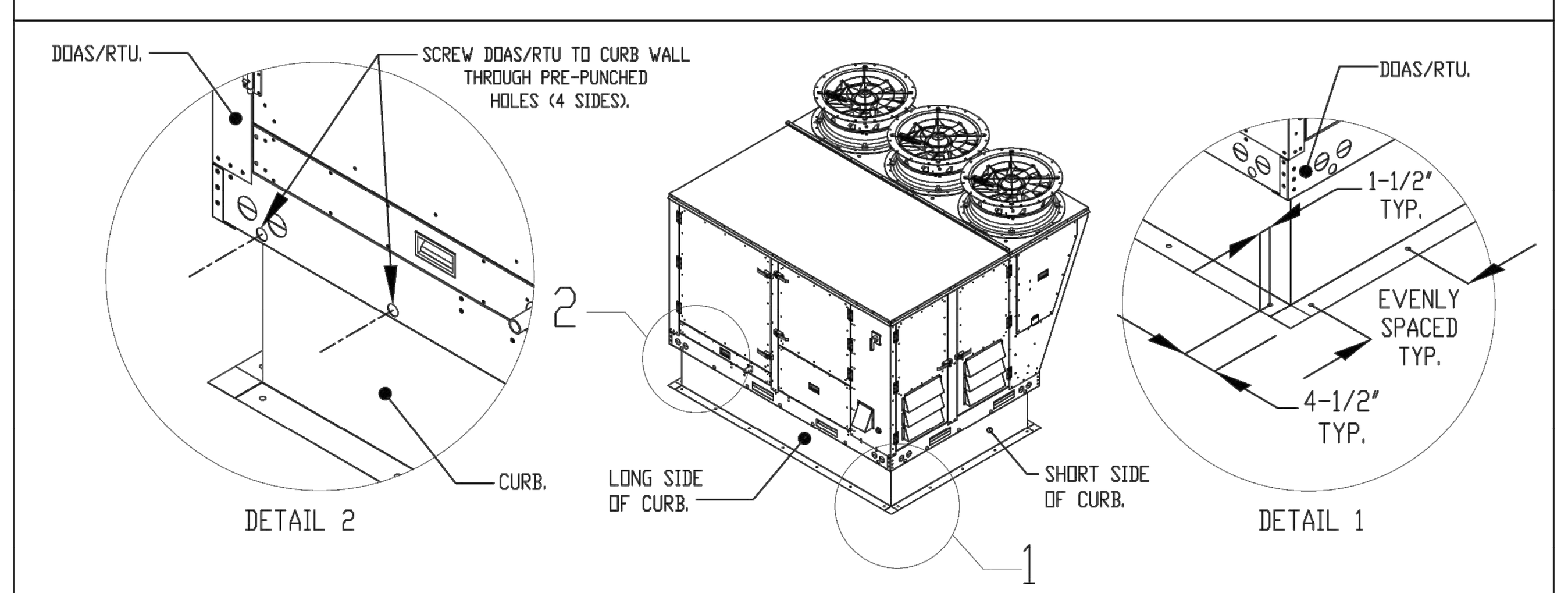
FEATURES:
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

FAN #5 DR12HFA – EXHAUST FAN (EF-5-RESTROOM)

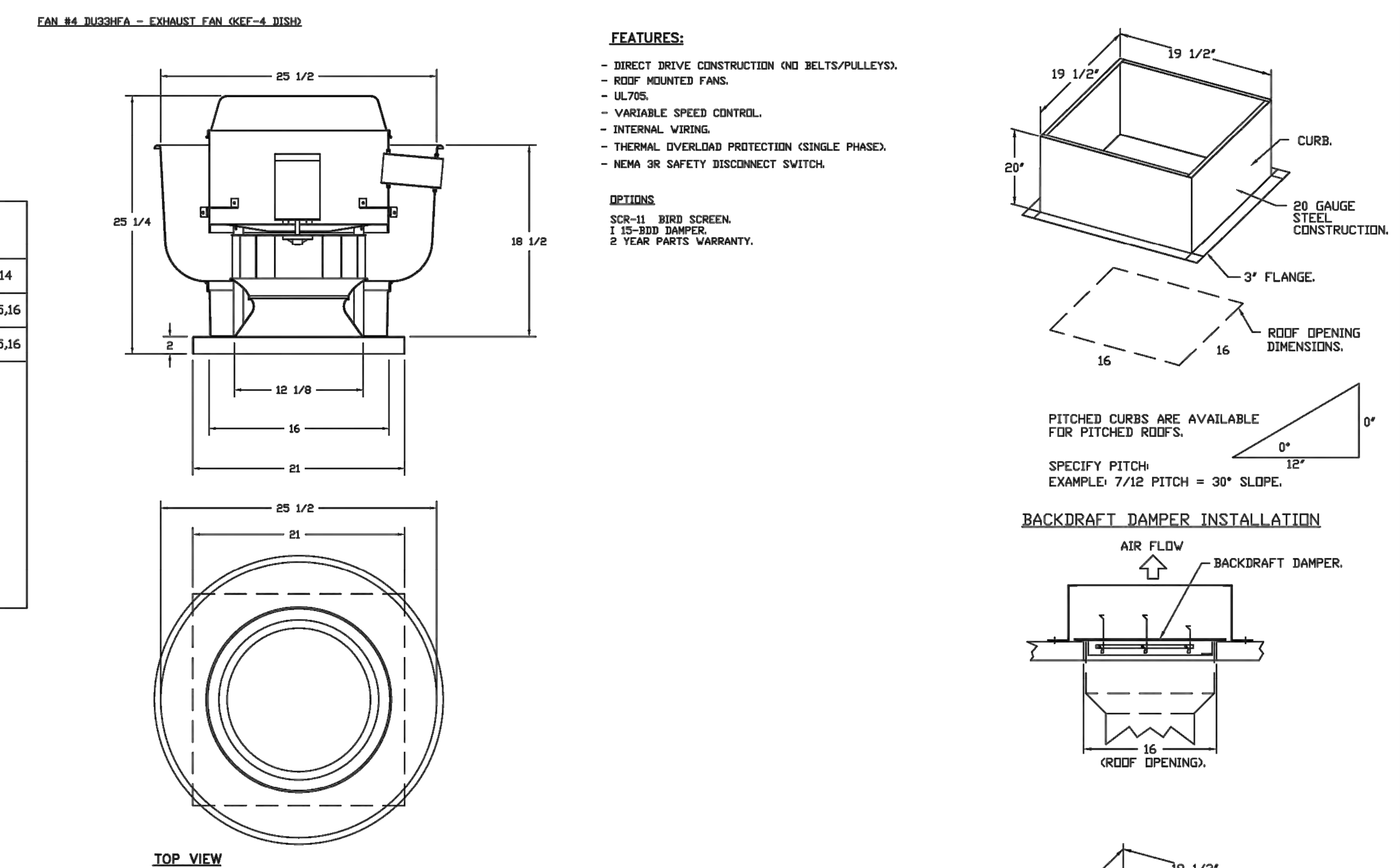


TYPICAL DOAS/RTU ROOF MOUNTING INSTALLATION INSTRUCTIONS

1. SECURE THE CURB TO THE ROOF FRAMING MEMBERS BY DRILLING 1/4" PILOT HOLES IN THE CURB FLANGES AT LOCATIONS SHOWN IN THE DIAGRAM BELOW. USING 3/8" X 2" ZINC PLATED STEEL LAG BOLTS, AND ZINC PLATED WASHERS, SCREW THROUGH THE CURB FLANGES AND INTO THE ROOF FRAMING MEMBERS. A MINIMUM OF (5) LAG BOLTS ON EACH SHORT SIDE, AND (7) LAG BOLTS ON EACH LONG SIDE IS REQUIRED.
2. SECURE THE UNIT BASE TO THE SIDE WALLS OF THE CURB USING (24) 1/4"-14 X 2" SELF-DRILLING, STEEL ZINC PLATED SCREWS. PRE-PUNCHED HOLES HAVE BEEN PROVIDED FOR EACH SCREW LOCATION.



FAN #4 DU33HFA – EXHAUST FAN (KEF-4 DISH)

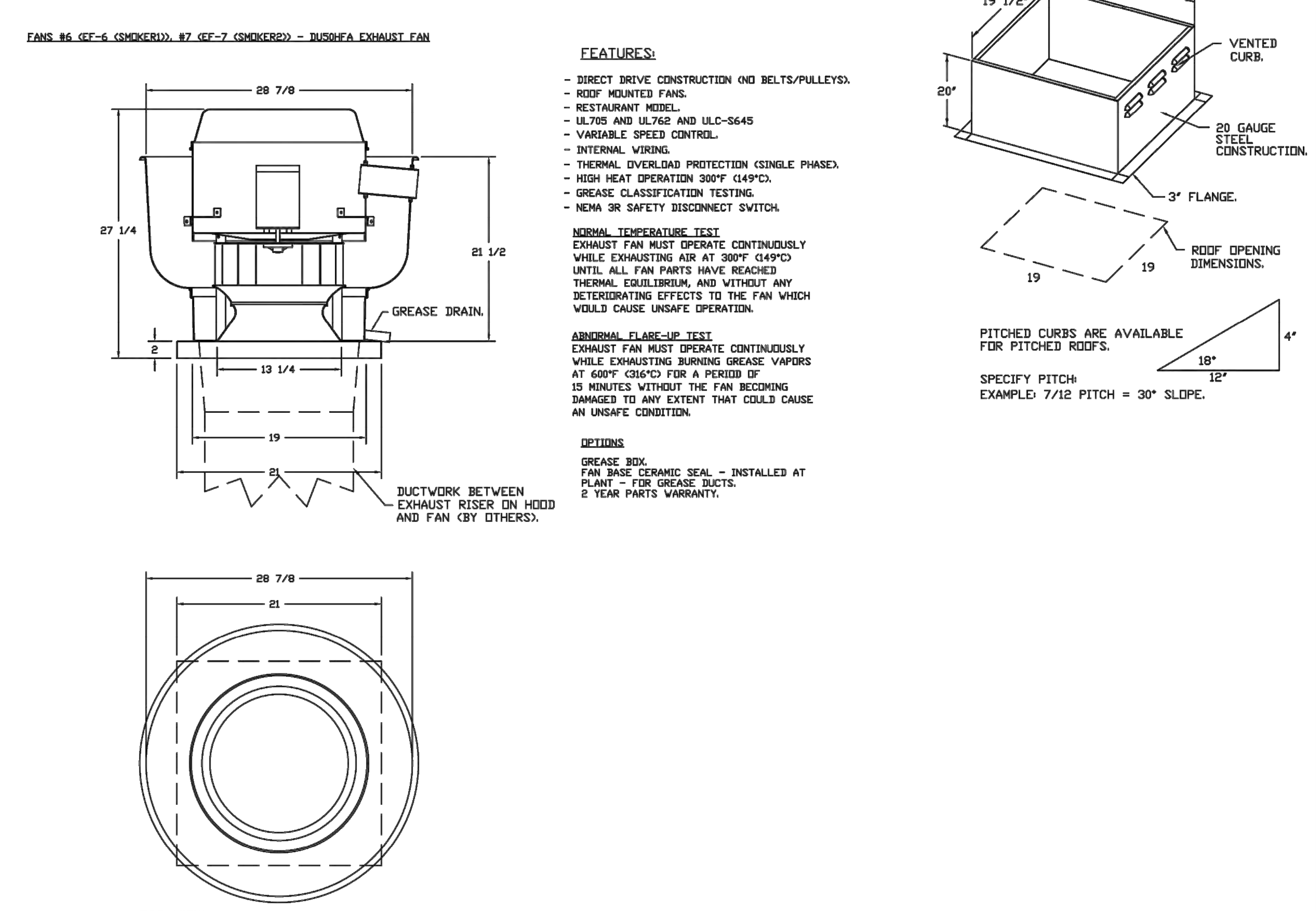


18 1/2
19 1/2"
20"
CURB.
20 GAUGE STEEL CONSTRUCTION.
3" FLANGE.
ROOF OPENING DIMENSIONS.
PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.
SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE.
BACKDRAFT DAMPER INSTALLATION
AIR FLOW
BACKDRAFT DAMPER.
ROOF OPENING
TOP VIEW

FEATURES:
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- UL705.
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- NEMA 3R SAFETY DISCONNECT SWITCH.

OPTIONS
SCR-11 BIRD SCREEN.
I 15-BDD DAMPER.
2 YEAR PARTS WARRANTY.

FANS #6 (EF-6 (SMOKER1)), #7 (EF-7 (SMOKER2)) – DU50HFA EXHAUST FAN



GREASE DRAIN.
DUCTWORK BETWEEN EXHAUST RISER ON HOOD AND FAN (BY OTHERS).
VENTED CURB.
20 GAUGE STEEL CONSTRUCTION.
3" FLANGE.
ROOF OPENING DIMENSIONS.
PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.
SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE.
TOP VIEW

FEATURES:
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

GREASE DUCT & CHIMNEY SPECIFICATIONS:
PROVIDE GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW" ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK. MODEL "DW" IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "DW" DOES NOT REQUIRE WELDING PROVIDING IT HAS BEEN INSTALLED PER THE MANUFACTURES INSTALLATION GUIDE.
PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER. PER MANUFACTURES LISTING MODEL "DW" HORIZONTAL RUNS LESS THAN 75 FT. CAN BE SLOPED 1/16" PER 12", HORIZONTAL RUNS MORE THAN 75 FT. CAN BE SLOPED 3/16" PER 12". DUCT SHOULD BE SLOPED AS MUCH AS POSSIBLE TO REDUCE THE CHANCE OF GREASE ACCUMULATION IN HORIZONTAL RUNS.

IF THE DUCT OR CHIMNEY IS WITHIN 18 INCHES OF COMBUSTIBLE MATERIAL, PROVIDE UL-2221 OR UL-103 HT LISTED DOUBLE WALL GREASE DUCT OR DOUBLE WALL CHIMNEY EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW- 2R, 2R TYPE HT, 3R, OR 3Z" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.

CAPTIVEAIRE SYSTEMS RECOMMENDS THE USE OF LISTED, PRE-FABRICATED ROUND GREASE EXHAUST DUCT TO REDUCE STATIC PRESSURE IN THE SYSTEM, MINIMIZE INSTALLATION AND INSPECTION TIMES, AND ENSURE DUCT IS LIQUID TIGHT

HVAC DISTRIBUTION NOTE
HIGH VELOCITY DIFFUSERS OR HVAC RETURNS SHOULD NOT BE PLACED WITHIN TEN (10) FEET OF THE EXHAUST HOOD. PERFORATED DIFFUSERS ARE RECOMMENDED.

REVISIONS
DESCRIPTION	DATE

CAPTIVEAIRE
National Accounts - Tampa
4519 George Road, Suite 150, Tampa, FL 33634 PHONE: (813) 724-3030 EMAIL: rsg840@captiveaire.com
www.captiveaire.com

Smokey Bones
Champaign, IL

DATE: 9/27/2022
DWG.#: 5643990
DRAWN BY: Dan Luddy
SCALE: 1/2" = 1'-0"
MASTER DRAWING
SHEET NO. 3

M4 HOOD DETAILS
SCALE: 3/16" = 1'-0"

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Crumb Engineering, LLC
4609 Fairfield Street
Metairie, La 70006
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CAPTIVEAIRE SPECIFIED EQUIPMENT IS OWNER SUPPLIED, GC INSTALLED.

FAN #8 CASRTU3-1500-20-20T-DOAS - HEATER (KITCHEN DOAS)

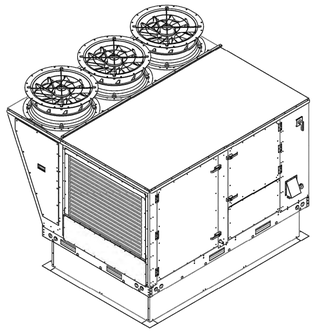
NOTES:

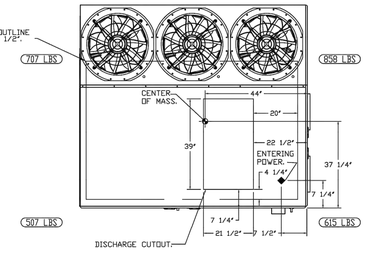
1. DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
2. ( ) DENOTES CORNER WEIGHT.
3. ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.

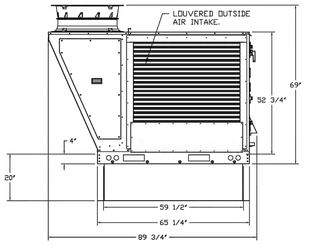
*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT.
SUGGESTED STRAIGHT DUCT SIZE IS 21.5" x 39".

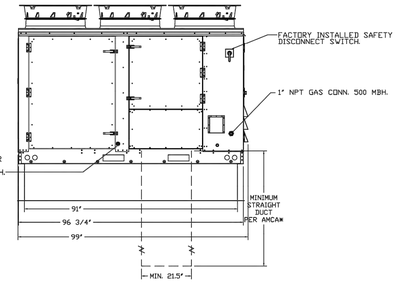
FAN OPTIONS

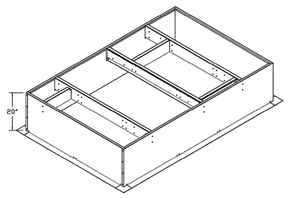
FAN UNIT NO.	TAG	QTY	DESCRIPTION
8	KITCHEN DOAS	1	INLET PRESSURE GAUGE, 0-25"
		1	MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 1 FURNACE
		1	RTU TOTAL CFM MONITORING
		1	SINGLE POINT ELECTRICAL CONNECTION FOR RTU, 750VA TRANSFORMER USED. IF A NON-3CV PREVAIRE CONTROLS THIS UNIT, THE 820, 847, "MA", OR "E2" PREVAIRE OPTION MUST BE SELECTED. DOES NOT PROVIDE SUPPLY STARTER IN PREVAIRE
		1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED
		1	RTU3 20KW DISCHARGE
		1	2" MERV 13 FILTERS FOR RTU3 (QTY. 4)
		1	2" MERV 8 FILTERS FOR RTU3 (QTY. 4)
		1	OVERHEAT STAT
		1	VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE
		1	OCCUPIED SCHEDULING
		1	CLOGGED FILTER SWITCH - NOTIFICATION ON HMI
		1	RTU3 CONVENIENCE OUTLET (GFCI), IS AMP - REQUIRES SEPARATE 120V CONNECTION. INCLUDES RECEPTACLE, COVER AND J-BOX
		1	FREEZESTAT
		1	REMOTE TEMPERATURE AND HUMIDITY SPACE SENSOR
		1	VAV PACKAGE W/ MANUAL/3DC CONTROL (ST) VFD INCLUDED)
		1	DUCT MOUNTED SMOKE DETECTOR - SHIPS LOOSE
		1	20 TON MODULATING COOLING OPTION, 208V/230V, R410A REFRIGERANT, VARIABLE SPEED COMPRESSOR, ECM CONDENSING FANS
		1	20 TON MODULATING REHEAT OPTION - SPACE DEWPOINT CONTROL
		1	RTU3 CURB DUCT HANGER
		1	RTU3 NO RETURN - 100% OA
		1	RTU FIXED 100% OA INTAKE CONTROL
		1	5 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVEAIRE SERVICE CONTRACT, 25 YEAR STAINLESS STEEL FURNACE PARTS WARRANTY (SEE ADDITIONAL DETAILS)

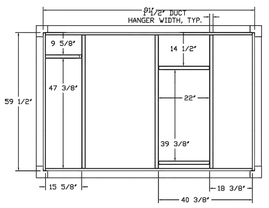


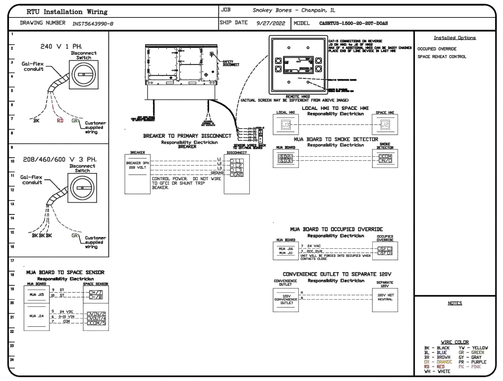


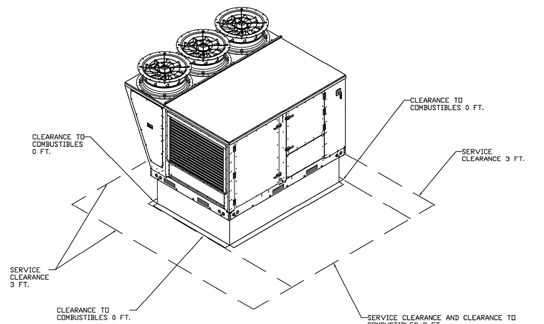


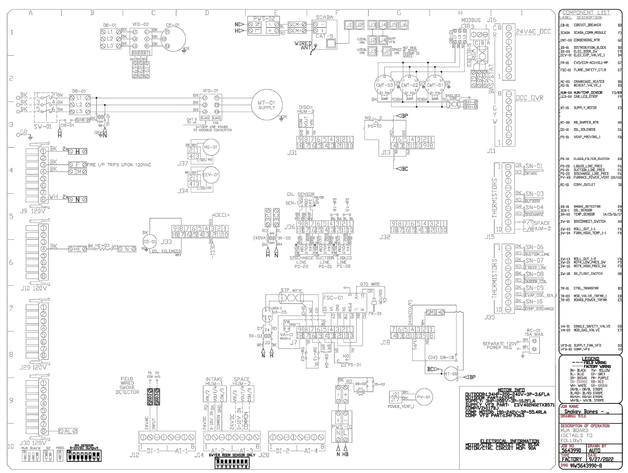












REVISIONS

	DESCRIPTION	DATE:
1		
2		
3		
4		
5		

CAPTIVEAIRE
National Accounts - Tampa
4519 George Road, Suite 150, Tampa, FL 33634 PHONE: (813) 724-3030 EMAIL: mg8408@captiveaire.com
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Smokey Bones
Champaign, IL

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SCALE: 3/16" = 1'-0"

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Metairie, La 70006
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JASON T. CRUMB
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SHEET M4.3

DATE 11/01/22

Nov 10, 2022 - 3:57pm
\\NAS-6E-3A-1E\crumblic\Projects\Smokey Bones - Champagne, IL\DRAWINGS\M4.3 - HOOD DTLS.dwg

CAPTIVEAIRE SPECIFIED EQUIPMENT IS OWNER SUPPLIED, GC INSTALLED.

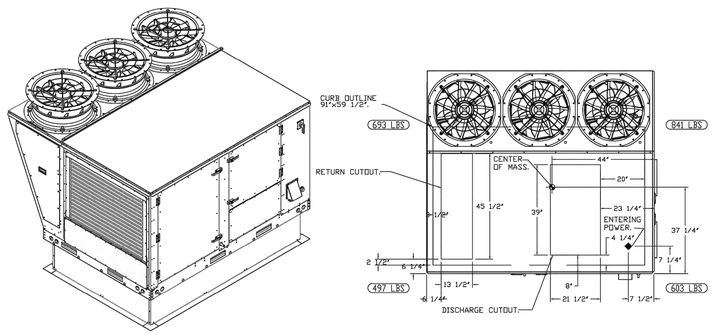
FAN #9 (RTU-1) - CASRTU3-L300-24-20T-DDAS HEATER

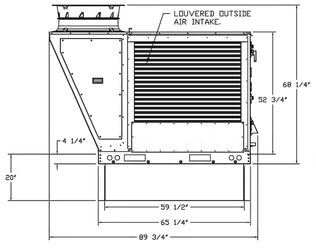
NOTES:

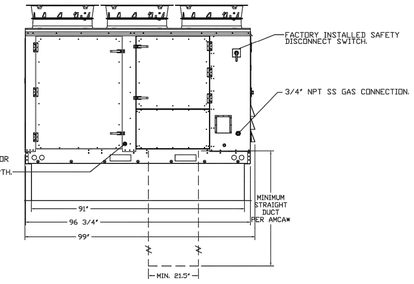
1. DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
2. ( ) DENOTES CORNER WEIGHT.
3. ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.

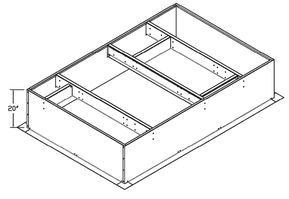
*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT.
SUGGESTED STRAIGHT DUCT SIZE IS 21.5" x 39".

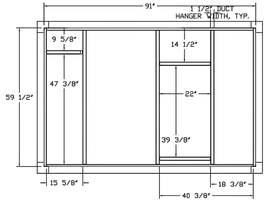
FAN UNIT NO	TAG	QTY	DESCRIPTION
9	RTU-1	1	INLET PRESSURE GAUGE, 0-35"
		1	MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 1 FURNACE
		1	RTU TOTAL CFM MONITORING
		1	SHIP LOOSE GAS STRAINER 3/4"
		1	SINGLE POINT ELECTRICAL CONNECTION FOR RTU. 750VA TRANSFORMER USED. IF A NON-DCV PREVAIRE CONTROLS THIS UNIT, THE RDS, #47, "MA" OR "CO" PREVAIRE OPTION MUST BE SELECTED. DDES NOT PROVIDE SUPPLY STARTER IN PREVAIRE
		1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED
		1	LOW AMBIENT COOLING OPERATION - DOWN TO 0F AMBIENT
		1	RTU3 DOWN DISCHARGE
		1	2" MERV 13 FILTERS FOR RTU3 (QTY. 4)
		1	2" MERV 8 FILTERS FOR RTU3 (QTY. 4)
		1	OVERHEAT STAT
		1	VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE
		1	REMOTE TEMPERATURE AND HUMIDITY SPACE SENSOR
		1	25 TON MODULATING COOLING OPTION, 208/230V. R410A REFRIGERANT, VARIABLE SPEED COMPRESSOR, ECM CONDENSING FANS
		1	25 TON MODULATING REHEAT OPTION - SPACE DEWPOINT CONTROL
		1	RTU3 CURB DUCT HANGER
		1	RTU RETURN MOUNTED SMOKE DETECTOR AND SAMPLING TUBE - FACTORY INSTALLED
		1	OCCUPIED SCHEDULING
		1	CLOGGED FILTER SWITCH - NOTIFICATION ON HMI
		1	RTU3 CONVENIENCE OUTLET (GFCI), 15 AMP - REQUIRES SEPARATE 120V CONNECTION. INCLUDES RECEPTACLE, COVER AND J-BOX
		1	RTU INTAKE/RETURN DAMPER - MANUAL CONTROL VIA HMI
		1	RTU3 DOWN RETURN
		1	VAV PACKAGE W/ MANUAL/DDC CONTROL (S7). VFD INCLUDED
		1	10 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVEAIRE SERVICE CONTRACT, 25 YEAR STAINLESS STEEL FURNACE PARTS WARRANTY (SEE ADDITIONAL DETAILS)

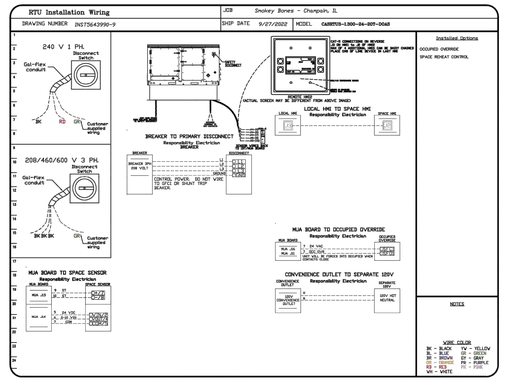


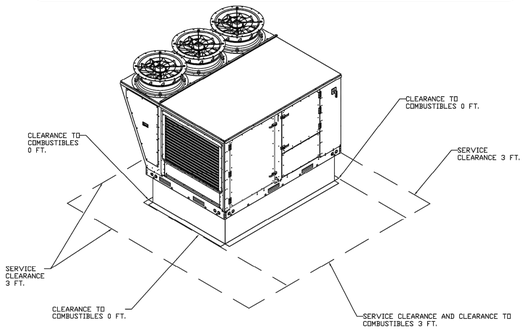


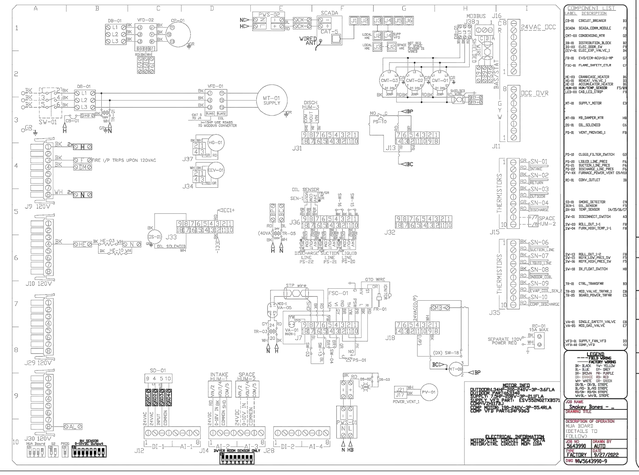












REVISIONS

	DESCRIPTION	DATE:
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CAPTIVEAIRE
National Accounts - Tampa
4519 George Road, Suite 150, Tampa, FL 33634 PHONE: (813) 774-3000 EMAIL: mgb940@captiveaire.com
www.captiveaire.com

Smokey Bones
Champaign, IL

DATE: 9/27/2022
DWG.#: 5643990
DRAWN BY: Dan Luddy
SCALE: 1/2" = 1'-0"
MASTER DRAWING
SHEET NO. 5

CRUMB ENGINEERING
Crumb Engineering, LLC
4609 Fairfield Street
P: 504.455.4450
Metairie, La 70006
jcrumb@crumbengineering.com

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

HOOD DETAILS

LICENSED PROFESSIONAL ENGINEER
JASON T. CRUMB
062-074293
OF ILLINOIS

REVISIONS NO.	DATE

PROJECT NO: IA 2230
SHEET M4.4
DATE 11/01/22

M4 HOOD DETAILS
SCALE: 3/16" = 1'-0"

CAPTIVEAIRE SPECIFIED EQUIPMENT IS OWNER SUPPLIED, GC INSTALLED.

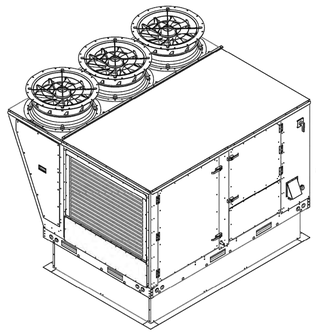
FAN #10 (RTU-2) - CASRTU3-I.300-24-20T-DOAS HEATER

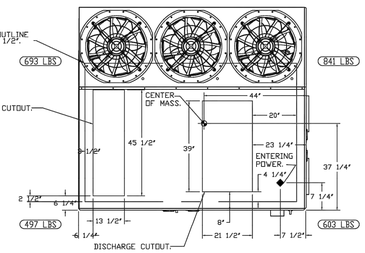
NOTES:

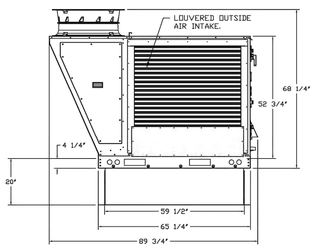
1. DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
2. ( ) DENOTES CORNER WEIGHT.
3. ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.

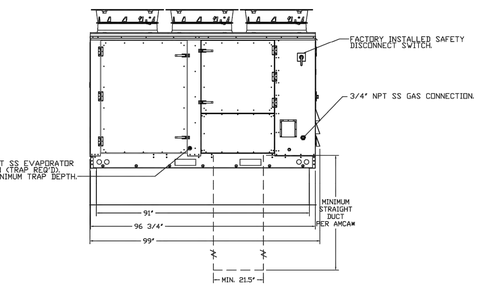
*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT.
SUGGESTED STRAIGHT DUCT SIZE IS 21.5" x 39".

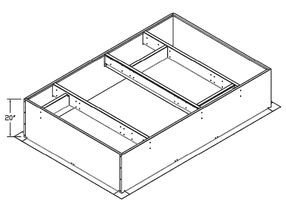
FAN UNIT NO	TAG	QTY	DESCRIPTION
10	RTU-2	1	INLET PRESSURE GAUGE, 0-35"
		1	MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 1 FURNACE
		1	RTU TOTAL CFM MONITORING
		1	SHIP LOOSE GAS STRAINER 3/4"
		1	SINGLE POINT ELECTRICAL CONNECTION FOR RTU. 750VA TRANSFORMER USED. IF A NON-DCV PREVAIRE CONTROLS THIS UNIT, THE 408, 447, "MA", OR "CZ" PREVAIRE OPTION MUST BE SELECTED. DOES NOT PROVIDE SUPPLY STARTER IN PREVAIRE
		1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED
		1	LOW AMBIENT COOLING OPERATION - DOWN TO 0F AMBIENT
		1	RTU3 DOWN DISCHARGE
		1	2" MERV 13 FILTERS FOR RTU3 (QTY. 4)
		1	2" MERV 8 FILTERS FOR RTU3 (QTY. 4)
		1	OVERHEAT STAT
		1	VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE
		1	REMOTE TEMPERATURE AND HUMIDITY SPACE SENSOR
		1	20 TON MODULATING COOLING OPTION, 208/230V. R410A REFRIGERANT, VARIABLE SPEED COMPRESSOR, ECM CONDENSING FANS
		1	20 TON MODULATING REHEAT OPTION - SPACE DEWPOINT CONTROL
		1	RTU3 CURB DUCT HANGER
		1	RTU RETURN MOUNTED SMOKE DETECTOR AND SAMPLING TUBE - FACTORY INSTALLED
		1	OCCUPIED SCHEDULING
		1	CLOGGED FILTER SWITCH - NOTIFICATION ON HMI
		1	RTU3 CONVENIENCE OUTLET (GFCI), 15 AMP - REQUIRES SEPARATE 120V CONNECTION. INCLUDES RECEPTACLE, COVER AND J-BOX
		1	RTU INTAKE/RETURN DAMPER - MANUAL CONTROL VIA HMI
		1	RTU3 DOWN RETURN
		1	VAV PACKAGE W/ MANUAL/DSC CONTROL (571 VFD INCLUDED)
		1	5 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVEAIRE SERVICE CONTRACT, 25 YEAR STAINLESS STEEL FURNACE PARTS WARRANTY (SEE ADDITIONAL DETAILS)

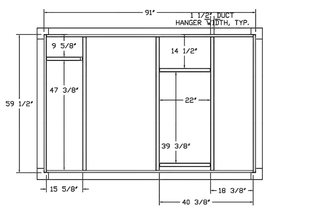


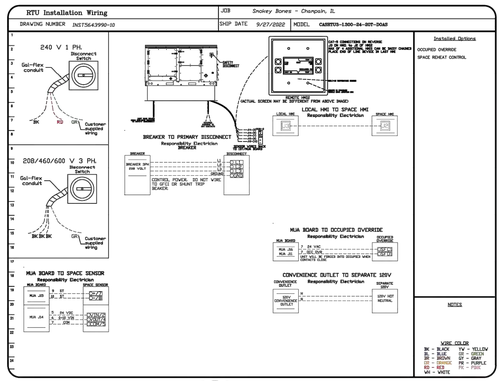


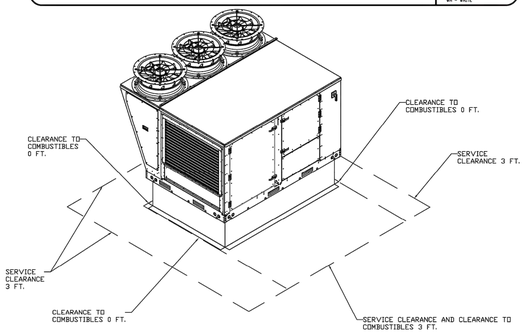


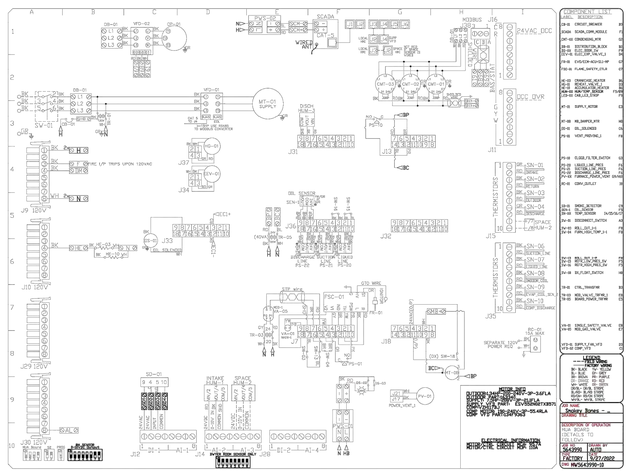












REVISIONS

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National Accounts - Tampa
4519 George Road, Suite 150, Tampa, FL 33634 PHONE: (813) 724-3930 EMAIL: mgd40@captiveaire.com
www.captiveaire.com

Smokey Bones
Champaign, IL

DATE: 9/27/2022
DWG.#: 5643990
DRAWN BY: Dan Luddy
SCALE: 1/2" = 1'-0"
MASTER DRAWING
SHEET NO. 6

M4 HOOD DETAILS

SCALE: 3/16" = 1'-0"

CRUMB ENGINEERING
Crumb Engineering, LLC
4609 Fairfield Street
P-504.455.4450
Metairie, La 70006
jcrumb@crumbengineering.com

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

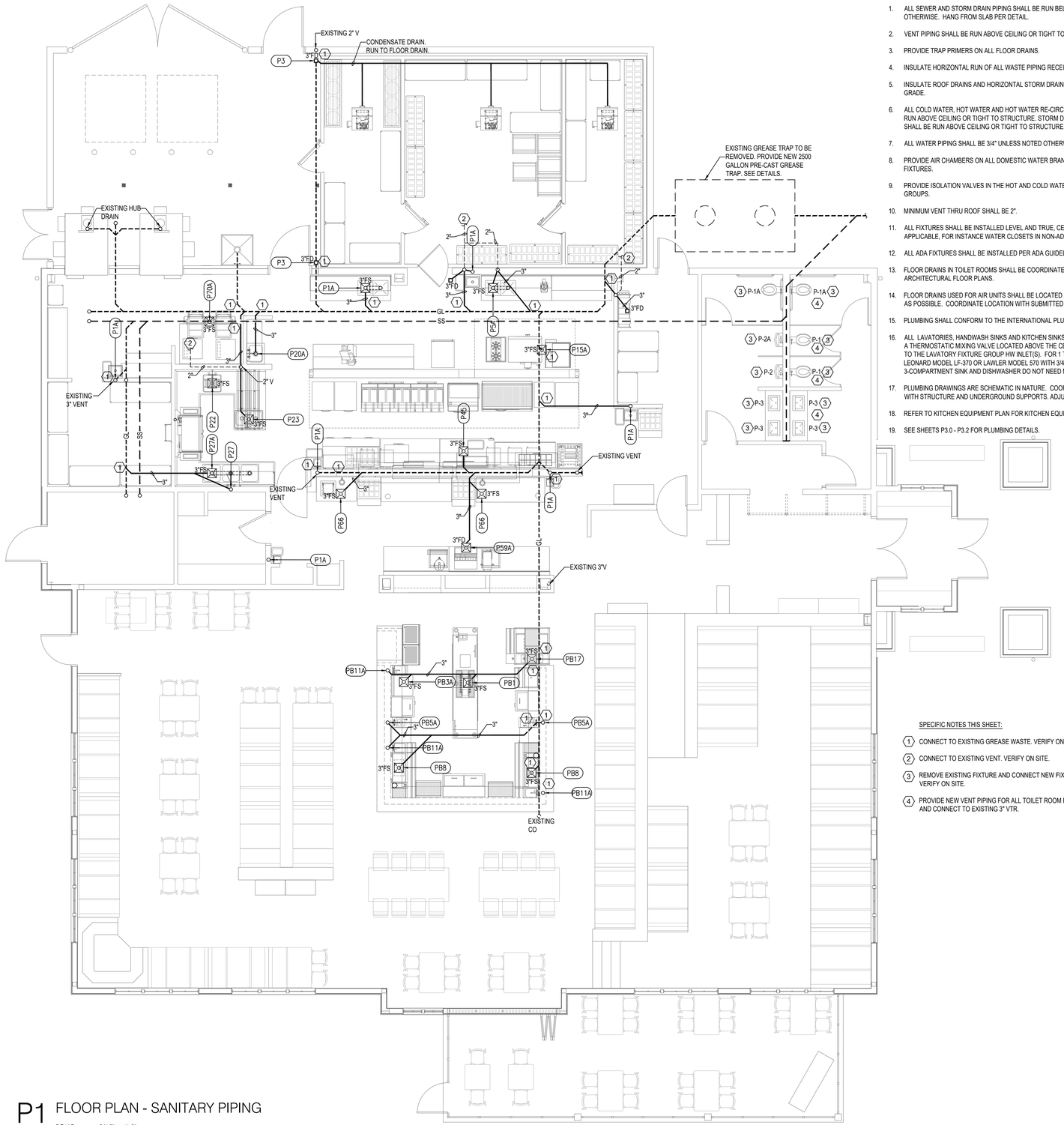
HOOD DETAILS

LICENSED PROFESSIONAL ENGINEER
JASON T. CRUMB
062-074293
OF ILLINOIS

REVISIONS NO.	DATE

PROJECT NO: IA 2230
SHEET M4.5
DATE 11/01/22

Nov 10, 2022 - 3:54pm
\\NAS-6E-3A-1E\crumble\Projects\Smokey Bones - Champagne, IL\DRAWINGS\M4.5 - HOOD DTLS.dwg



P1 FLOOR PLAN - SANITARY PIPING

SCALE: 3/16" = 1'-0"

GENERAL NOTES THIS SHEET:

1. ALL SEWER AND STORM DRAIN PIPING SHALL BE RUN BELOW SLAB UNLESS NOTED OTHERWISE. HANG FROM SLAB PER DETAIL.
2. VENT PIPING SHALL BE RUN ABOVE CEILING OR TIGHT TO STRUCTURE.
3. PROVIDE TRAP PRIMERS ON ALL FLOOR DRAINS.
4. INSULATE HORIZONTAL RUN OF ALL WASTE PIPING RECEIVING A/C CONDENSATE.
5. INSULATE ROOF DRAINS AND HORIZONTAL STORM DRAIN PIPING RUNS ABOVE GRADE.
6. ALL COLD WATER, HOT WATER AND HOT WATER RE-CIRCULATING PIPING SHALL BE RUN ABOVE CEILING OR TIGHT TO STRUCTURE. STORM DRAIN PIPING ABOVE GRADE SHALL BE RUN ABOVE CEILING OR TIGHT TO STRUCTURE.
7. ALL WATER PIPING SHALL BE 3/4" UNLESS NOTED OTHERWISE.
8. PROVIDE AIR CHAMBERS ON ALL DOMESTIC WATER BRANCH PIPING SERVING FIXTURES.
9. PROVIDE ISOLATION VALVES IN THE HOT AND COLD WATER PIPING TO ALL FIXTURE GROUPS.
10. MINIMUM VENT THRU ROOF SHALL BE 2".
11. ALL FIXTURES SHALL BE INSTALLED LEVEL AND TRUE, CENTER FIXTURES WHERE APPLICABLE, FOR INSTANCE WATER CLOSETS IN NON-ADA STALLS.
12. ALL ADA FIXTURES SHALL BE INSTALLED PER ADA GUIDELINES.
13. FLOOR DRAINS IN TOILET ROOMS SHALL BE COORDINATED AND LOCATED PER ARCHITECTURAL FLOOR PLANS.
14. FLOOR DRAINS USED FOR AIR UNITS SHALL BE LOCATED AS CLOSE TO EDGE OF UNIT AS POSSIBLE. COORDINATE LOCATION WITH SUBMITTED UNIT DIMENSIONAL DATA.
15. PLUMBING SHALL CONFORM TO THE INTERNATIONAL PLUMBING CODE.
16. ALL LAVATORIES, HANDWASH SINKS AND KITCHEN SINKS SHALL BE PROVIDED WITH A THERMOSTATIC MIXING VALVE LOCATED ABOVE THE CEILING WITH THE HW PIPED TO THE LAVATORY FIXTURE GROUP HW INLET(S). FOR 1 TO 6 LAVATORIES, USE LEONARD MODEL LF-370 OR LAWLER MODEL 570 WITH 3/4" FITTINGS. 3-COMPARTMENT SINK AND DISHWASHER DO NOT NEED MIXING VALVES.
17. PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. COORDINATE PIPE ROUTING WITH STRUCTURE AND UNDERGROUND SUPPORTS. ADJUST LOCATION AS REQUIRED.
18. REFER TO KITCHEN EQUIPMENT PLAN FOR KITCHEN EQUIPMENT GENERAL NOTES.
19. SEE SHEETS P3.0 - P3.2 FOR PLUMBING DETAILS.

SPECIFIC NOTES THIS SHEET:

1. CONNECT TO EXISTING GREASE WASTE. VERIFY ON SITE.
2. CONNECT TO EXISTING VENT. VERIFY ON SITE.
3. REMOVE EXISTING FIXTURE AND CONNECT NEW FIXTURE TO EXISTING PLUMBING. VERIFY ON SITE.
4. PROVIDE NEW VENT PIPING FOR ALL TOILET ROOM PLUMBING FIXTURES. RUN 3" AND CONNECT TO EXISTING 3" VTR.

K1 P.C. TO INSTALL K.E.C. FURNISHED MECHANICAL GAS SHUT-OFF VALVE IN MAIN GAS SUPPLY LINE IN ACCESSIBLE LOCATION PRIOR TO BRANCHING GAS SERVICE TO EQUIPMENT. P.C. TO VERIFY GAS LINE SIZE PER VALVE.

KITCHEN EQUIPMENT PLUMBING ROUGH-IN NOTES:

G14 3/4" NPT 100,000 BTU SERVICE @ (+24" A.F.F.) P.C. TO EXTEND TO DOUBLE DECK CONVECTION OVEN MANIFOLD (ITEM #14). THRU F.F.E.C. FURNISHED QUICK DISCONNECT.

G16 3/4" NPT 52,000 BTU SERVICE @ (+24" A.F.F.) P.C. TO EXTEND TO HOT PLATE (ITEM #16). THRU F.F.E.C. FURNISHED QUICK DISCONNECT.

G34 1-1/4" NPT MANIFOLD 476,000 BTU SERVICE @ (+24" A.F.F.) P.C. TO EXTEND TO FRYER BATTERY (ITEM #34).

G34A 1" NPT MANIFOLD 294,000 BTU SERVICE @ (+24" A.F.F.) P.C. TO EXTEND TO FRYER BATTERY (ITEM #34).

G36 3/4" NPT 100,000 BTU SERVICE @ (+24" A.F.F.) P.C. TO EXTEND TO GRIDDLE (ITEM #36). THRU F.F.E.C. FURNISHED QUICK DISCONNECT.

G38 3/4" NPT 187,000 BTU SERVICE @ (+24" A.F.F.) P.C. TO EXTEND TO CHARBROILER (ITEM #38). THRU F.F.E.C. FURNISHED QUICK DISCONNECT.

PSL 1/2" COLD WATER @ (+60" A.F.F.) FOR SODA SYSTEM. ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.

PSLA FLOOR DRAIN FOR SODA SYSTEM. ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.

P1 (5 LOCATIONS) 1/2" 120 DEG. HOT AND COLD WATER @ (+18" A.F.F.). P.C. TO EXTEND TO FAUCET MOUNTED ON HAND SINK (ITEM #1).

P1A (5 LOCATIONS) 1-1/2" WASTE @ (+15" A.F.F.) P.C. TO EXTEND DRAIN FROM HAND SINK (ITEM #1) TO THIS POINT.

P3 (2 LOCATIONS) FLOOR DRAIN. P.C TO EXTEND CONDENSATE DARIN LINE FROM WALK-IN COOLER/FREEZER (ITEM #9) TO THIS POINT. (SEE GENERAL NOTE 4).

P4 1/2" HOT AND COLD WATER @ (+18" A.F.F.) P.C. TO EXTEND TO FAUCET MOUNTED ON PREP TABLE (ITEM #4).

P4A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANIFOLD (2) DRAIN LINES FROM SINK MOUNTED ON PREP TABLE (ITEM #4) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).

P5 1/2" HOT AND COLD WATER @ (+18" A.F.F.) P.C. TO EXTEND TO FAUCET MOUNTED ON PREP TABLE (ITEM #5).

P5A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANIFOLD (2) DRAIN LINES FROM SINK MOUNTED ON PREP TABLE (ITEM #5) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).

P15 1/2" COLD WATER @ (+12" A.F.F.) P.C. TO EXTEND TO RETHERMALIZER (ITEM #15).

P15A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM RETHERMALIZER (ITEM #15) TO THIS POINT. (SEE GENERAL NOTE 4).

P20 1/2" HOT AND COLD WATER @ (+36" A.F.F.) P.C. TO EXTEND TO WALL MOUNTED FAUCET FOR MOP SINK (ITEM #20)

P20A (STUB-UP) 3" WASTE TRAPPED BELOW FLOOR. P.C. TO EXTEND TO DRAIN IN MOP SINK (ITEM #20).

P22 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM SOILED DISHTABLE (ITEM #22). AND DISHWASHER (ITEM #26) TO THIS POINT. (SEE GENERAL NOTE 4).

P24 (STUB-UP) 1/2" COLD WATER. P.C. TO EXTEND TO SOAK SINK FAUCET (IT3M #24) MOUNTED ON SOILED DISHTABLE (ITEM #22).

P25 1/2" HOT AND COLD WATER @ (+18" A.F.F.) P.C. TO EXTEND TO FAUCET (ITEM #25) MOUNTED ON SOILED DISHTABLE (ITEM #22).

P26 1/2" HOT WATER @ (+50" A.F.F.) P.C. TO EXTEND TO DISHWASHER (ITEM #26).

P27 1/2" HOT AND COLD WATER @ (+12" A.F.F.). P.C. TO EXTEND TO FAUCET MOUNTED ON POT AND PAN SINK (ITEM #27).

P27A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANIFOLD (3) DRAIN LINES FROM POT AND PAN SINK (ITEM #27) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).

P45 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM HOT FOOD WELL (ITEM #45) TO THIS POINT. (SEE GENERAL NOTE 4).

P59 1/2" COLD WATER @ (+48" A.F.F.) P.C. TO EXTEND TO SODA DISPENSER (ITEM #59). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS. VERIFY LOCATION WITH PROVIDER.

P59A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM SODA DISPENSER (ITEM #59) TO THIS POINT. ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS VERIFY LOCATION WITH PROVIDER. P.C. TO EXTEND DRAIN LINE FROM TROUGH DRAIN ON BEVERAGE TABLE (ITEM #57) TO THIS POINT. (SEE GENERAL NOTE 4).

P60 1/2" COLD WATER @ (+48" A.F.F.) P.C. TO EXTEND TO COFFEE BREWER (ITEM #60). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS. VERIFY LOCATION WITH PROVIDER.

P66 (2 LOCATIONS) 1/2" COLD WATER @ (+24" A.F.F.) P.C. TO EXTEND TO DIPPER WELL FAUCET (ITEM 66).

P66A (2 LOCATIONS) 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM DIPPER WELL (ITEM #66) TO THIS POINT. (SEE GENERAL NOTE 4).

P67 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM ICE CREAM DIPPING CABINET (ITEM #67) TO THIS POINT. (SEE GENERAL NOTE 4).

P70 1/2" COLD WATER @ (+66" A.F.F.) P.C. TO EXTEND TO ICE MACHINE (ITEM #70). THRU F.F.E.C. FURNISHED WATER FILTER.

P70A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM ICE BIN (ITEM #70) TO THIS POINT. (SEE GENERAL NOTE 4).

BAR EQUIPMENT PLUMBING ROUGH-IN NOTES:

SL (2 LOCATIONS) (STUB-UP) 6" PVC CHASE FOR SODA LINES. ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS. VERIFY LOCATION WITH PROVIDER.

BL (STUB-UP) 6" PVC CHASE FOR BEER LINES. ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS. VERIFY LOCATION WITH PROVIDER.

PB1 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM BEER TROUGH MOUNTED ON BACK BAR COOLER (ITEM #B1) TO THIS POINT. (SEE GENERAL NOTE 4).

PB3 1/2" HOT WATER @ (+15" A.F.F.) P.C. TO EXTEND TO GLASS WASHER (ITEM #B3). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.

PB3A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM GLASS WASHER (ITEM #B3) TO THIS POINT. (SEE GENERAL NOTE 4). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.

PB5 (2 LOCATIONS) 1/2" 120 DEG. HOT AND COLD WATER @ (+12" A.F.F.) P.C. TO EXTEND TO UNDERBAR HAND SINK (ITEM #B5)

PB5A (2 LOCATIONS) 1-1/2" WASTE @ (+10" A.F.F.) P.C. TO EXTEND TO UNDERBAR HAND SINK (ITEM #B5).

PB8 (2 LOCATIONS) 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM UNDERBAR ICE BIN (ITEM #B8) AND DRAIN BOARD (ITEM #B12) TO THIS POINT. (SEE GENERAL NOTE 4).

PB11 (2 LOCATIONS) 1/2" 120 DEG. HOT AND COLD WATER @ (+12" A.F.F.) P.C. TO EXTEND TO UNDERBAR HAND SINK (ITEM #B11)

PB11A (2 LOCATIONS) 1-1/2" WASTE @ (+10" A.F.F.) P.C. TO EXTEND TO UNDERBAR HAND SINK (ITEM #B11).

PB17 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM PASS-THRU COCKTAIL STATION (ITEM #B17) AND UNDERBAR ICE BIN (ITEM #B15) TO THIS POINT. (SEE GENERAL NOTE 4).

CRUMB ENGINEERING
Crumb Engineering, LLC
4609 Fairfield Street
P: 504.455.4450
Metairie, La 70006
jcrumb@crumbengineering.com

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

FLOOR PLAN - SANITARY PIPING

LICENSED PROFESSIONAL ENGINEER
JASON T. CRUMB
062-074293
OF ILLINOIS

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET P1.0

DATE 11/01/22

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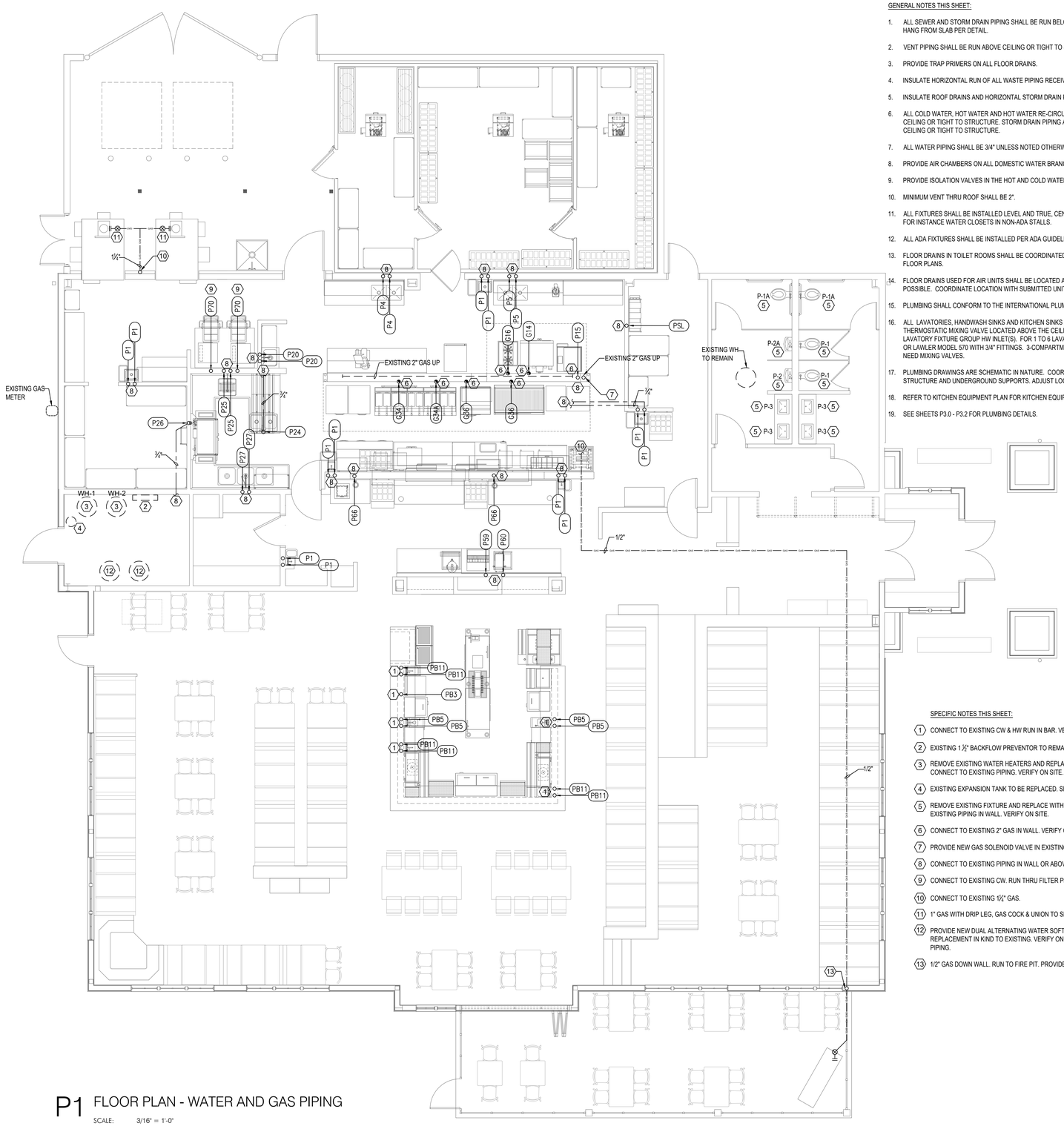

P1 FLOOR PLAN - WATER AND GAS PIPING

SCALE: 3/16" = 1'-0"

GENERAL NOTES THIS SHEET:

1. ALL SEWER AND STORM DRAIN PIPING SHALL BE RUN BELOW SLAB UNLESS NOTED OTHERWISE. HANG FROM SLAB PER DETAIL.
2. VENT PIPING SHALL BE RUN ABOVE CEILING OR TIGHT TO STRUCTURE.
3. PROVIDE TRAP PRIMERS ON ALL FLOOR DRAINS.
4. INSULATE HORIZONTAL RUN OF ALL WASTE PIPING RECEIVING A/C CONDENSATE.
5. INSULATE ROOF DRAINS AND HORIZONTAL STORM DRAIN PIPING RUNS ABOVE GRADE.
6. ALL COLD WATER, HOT WATER AND HOT WATER RE-CIRCULATING PIPING SHALL BE RUN ABOVE CEILING OR TIGHT TO STRUCTURE. STORM DRAIN PIPING ABOVE GRADE SHALL BE RUN ABOVE CEILING OR TIGHT TO STRUCTURE.
7. ALL WATER PIPING SHALL BE 3/4" UNLESS NOTED OTHERWISE.
8. PROVIDE AIR CHAMBERS ON ALL DOMESTIC WATER BRANCH PIPING SERVING FIXTURES.
9. PROVIDE ISOLATION VALVES IN THE HOT AND COLD WATER PIPING TO ALL FIXTURE GROUPS.
10. MINIMUM VENT THRU ROOF SHALL BE 2".
11. ALL FIXTURES SHALL BE INSTALLED LEVEL AND TRUE. CENTER FIXTURES WHERE APPLICABLE, FOR INSTANCE WATER CLOSETS IN NON-ADA STALLS.
12. ALL ADA FIXTURES SHALL BE INSTALLED PER ADA GUIDELINES.
13. FLOOR DRAINS IN TOILET ROOMS SHALL BE COORDINATED AND LOCATED PER ARCHITECTURAL FLOOR PLANS.
14. FLOOR DRAINS USED FOR AIR UNITS SHALL BE LOCATED AS CLOSE TO EDGE OF UNIT AS POSSIBLE. COORDINATE LOCATION WITH SUBMITTED UNIT DIMENSIONAL DATA.
15. PLUMBING SHALL CONFORM TO THE INTERNATIONAL PLUMBING CODE.
16. ALL LAVATORIES, HANDWASH SINKS AND KITCHEN SINKS SHALL BE PROVIDED WITH A THERMOSTATIC MIXING VALVE LOCATED ABOVE THE CEILING WITH THE HW PIPED TO THE LAVATORY FIXTURE GROUP HW INLET(S). FOR 1 TO 6 LAVATORIES, USE LEONARD MODEL LF-370 OR LAWLER MODEL 570 WITH 3/4" FITTINGS. 3-COMPARTMENT SINK AND DISHWASHER DO NOT NEED MIXING VALVES.
17. PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. COORDINATE PIPE ROUTING WITH STRUCTURE AND UNDERGROUND SUPPORTS. ADJUST LOCATION AS REQUIRED.
18. REFER TO KITCHEN EQUIPMENT PLAN FOR KITCHEN EQUIPMENT GENERAL NOTES.
19. SEE SHEETS P3.0 - P3.2 FOR PLUMBING DETAILS.

SPECIFIC NOTES THIS SHEET:

1. CONNECT TO EXISTING CW & HW RUN IN BAR. VERIFY EXACT LOCATION ON SITE.
2. EXISTING 1 ½" BACKFLOW PREVENTOR TO REMAIN.
3. REMOVE EXISTING WATER HEATERS AND REPLACE NEW WATER HEATERS. CONNECT TO EXISTING PIPING. VERIFY ON SITE. SEE DETAIL ON P2.1.
4. EXISTING EXPANSION TANK TO BE REPLACED. SEE DETAIL ON P2.1.
5. REMOVE EXISTING FIXTURE AND REPLACE WITH NEW FIXTURE. CONNECT TO EXISTING PIPING IN WALL. VERIFY ON SITE.
6. CONNECT TO EXISTING 2" GAS IN WALL. VERIFY ON SITE.
7. PROVIDE NEW GAS SOLENOID VALVE IN EXISTING PIPING.
8. CONNECT TO EXISTING PIPING IN WALL OR ABOVE CEILING. VERIFY ON SITE.
9. CONNECT TO EXISTING CW. RUN THRU FILTER PER NOTE P70.
10. CONNECT TO EXISTING 1¼" GAS.
11. 1" GAS WITH DRIP LEG, GAS COCK & UNION TO SMOKER.
12. PROVIDE NEW DUAL ALTERNATING WATER SOFTENING SYSTEM AS A REPLACEMENT IN KIND TO EXISTING. VERIFY ON SITE. CONNECT TO EXISTING PIPING.
13. 1/2" GAS DOWN WALL. RUN TO FIRE PIT. PROVIDE GAS COCK, UNION AND DRIP LEG.

K1 P.C. TO INSTALL K.E.C. FURNISHED MECHANICAL GAS SHUT-OFF VALVE IN MAIN GAS SUPPLY LINE IN ACCESSIBLE LOCATION PRIOR TO BRANCHING GAS SERVICE TO EQUIPMENT. P.C. TO VERIFY GAS LINE SIZE PER VALVE.

KITCHEN EQUIPMENT PLUMBING ROUGH-IN NOTES:

G14 3/4" NPT 100,000 BTU SERVICE @ (+24" A.F.F.) P.C. TO EXTEND TO DOUBLE DECK CONVECTION OVEN MANIFOLD (ITEM #14). THRU F.F.E.C. FURNISHED QUICK DISCONNECT.

G16 3/4" NPT 52,000 BTU SERVICE @ (+24" A.F.F.) P.C. TO EXTEND TO HOT PLATE (ITEM #16). THRU F.F.E.C. FURNISHED QUICK DISCONNECT.

G34 1-1/4" NPT MANIFOLD 476,000 BTU SERVICE @ (+24" A.F.F.) P.C. TO EXTEND TO FRYER BATTERY (ITEM #34).

G34A 1" NPT MANIFOLD 294,000 BTU SERVICE @ (+24" A.F.F.) P.C. TO EXTEND TO FRYER BATTERY (ITEM #34).

G36 3/4" NPT 100,000 BTU SERVICE @ (+24" A.F.F.) P.C. TO EXTEND TO GRIDDLE (ITEM #36). THRU F.F.E.C. FURNISHED QUICK DISCONNECT.

G38 3/4" NPT 187,000 BTU SERVICE @ (+24" A.F.F.) P.C. TO EXTEND TO CHARBROILER (ITEM #38). THRU F.F.E.C. FURNISHED QUICK DISCONNECT.

PSL 1/2" COLD WATER @ (+60" A.F.F.) FOR SODA SYSTEM. ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.

PSLA FLOOR DRAIN FOR SODA SYSTEM. ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.

P1 (5 LOCATIONS) 1/2" 120 DEG. HOT AND COLD WATER @ (+18" A.F.F.). P.C. TO EXTEND TO FAUCET MOUNTED ON HAND SINK (ITEM #1).

P1A (5 LOCATIONS) 1-1/2" WASTE @ (+15" A.F.F.) P.C. TO EXTEND DRAIN FROM HAND SINK (ITEM #1) TO THIS POINT.

P3 (2 LOCATIONS) FLOOR DRAIN. P.C.TO EXTEND CONDENSATE DARIN LINE FROM WALK-IN COOLER/FREEZER (ITEM #9) TO THIS POINT. (SEE GENERAL NOTE 4).

P4 1/2" HOT AND COLD WATER @ (+18" A.F.F.) P.C. TO EXTEND TO FAUCET MOUNTED ON PREP TABLE (ITEM #4).

P4A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANIFOLD (2) DRAIN LINES FROM SINK MOUNTED ON PREP TABLE (ITEM #4) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).

P5 1/2" HOT AND COLD WATER @ (+18" A.F.F.) P.C. TO EXTEND TO FAUCET MOUNTED ON PREP TABLE (ITEM #5).

P5A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANIFOLD (2) DRAIN LINES FROM SINK MOUNTED ON PREP TABLE (ITEM #5) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).

P15 1/2" COLD WATER @ (+12" A.F.F.) P.C. TO EXTEND TO RETHERMALIZER (ITEM #15).

P15A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM RETHERMALIZER (ITEM #15) TO THIS POINT. (SEE GENERAL NOTE 4).

P20 1/2" HOT AND COLD WATER @ (+36" A.F.F.) P.C. TO EXTEND TO WALL MOUNTED FAUCET FOR MOP SINK (ITEM #20)

P20A (STUB-UP) 3" WASTE TRAPPED BELOW FLOOR. P.C. TO EXTEND TO DRAIN IN MOP SINK (ITEM #20).

P22 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM SOILED DISHTABLE (ITEM #22). AND DISHWASHER (ITEM #26) TO THIS POINT. (SEE GENERAL NOTE 4).

P24 (STUB-UP) 1/2" COLD WATER. P.C. TO EXTEND TO SOAK SINK FAUCET (IT3M #24) MOUNTED ON SOILED DISHTABLE (ITEM #22).

P25 1/2" HOT AND COLD WATER @ (+18" A.F.F.) P.C. TO EXTEND TO FAUCET (ITEM #25) MOUNTED ON SOILED DISHTABLE (ITEM #22).

P26 1/2" HOT WATER @ (+50" A.F.F.) P.C. TO EXTEND TO DISHWASHER (ITEM #26).

P27 1/2" HOT AND COLD WATER @ (+12" A.F.F.). P.C. TO EXTEND TO FAUCET MOUNTED ON POT AND PAN SINK (ITEM #27).

P27A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANIFOLD (3) DRAIN LINES FROM POT AND PAN SINK (ITEM #27) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).

P45 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM HOT FOOD WELL (ITEM #45) TO THIS POINT. (SEE GENERAL NOTE 4).

P59 1/2" COLD WATER @ (+48" A.F.F.) P.C. TO EXTEND TO SODA DISPENSER (ITEM #59). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS. VERIFY LOCATION WITH PROVIDER.

P59A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM SODA DISPENSER (ITEM #59) TO THIS POINT. ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS VERIFY LOCATION WITH PROVIDER. P.C. TO EXTEND DRAIN LINE FROM TROUGH DRAIN ON BEVERAGE TABLE (ITEM #57) TO THIS POINT. (SEE GENERAL NOTE 4).

P60 1/2" COLD WATER @ (+48" A.F.F.) P.C. TO EXTEND TO COFFEE BREWER (ITEM #60). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS. VERIFY LOCATION WITH PROVIDER.

P66 (2 LOCATIONS) 1/2" COLD WATER @ (+24" A.F.F.) P.C. TO EXTEND TO DIPPER WELL FAUCET (ITEM 66).

P66A (2 LOCATIONS) 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM DIPPER WELL (ITEM #66) TO THIS POINT. (SEE GENERAL NOTE 4).

P67 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM ICE CREAM DIPPING CABINET (ITEM #67) TO THIS POINT. (SEE GENERAL NOTE 4).

P70 1/2" COLD WATER @ (+66" A.F.F.) P.C. TO EXTEND TO ICE MACHINE (ITEM #70). THRU F.F.E.C. FURNISHED WATER FILTER.

P70A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM ICE BIN (ITEM #70) TO THIS POINT. (SEE GENERAL NOTE 4).

BAR EQUIPMENT PLUMBING ROUGH-IN NOTES:

SL (2 LOCATIONS) (STUB-UP) 6" PVC CHASE FOR SODA LINES. ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS. VERIFY LOCATION WITH PROVIDER.

BL (STUB-UP) 6" PVC CHASE FOR BEER LINES. ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS. VERIFY LOCATION WITH PROVIDER.

PB1 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM BEER TROUGH MOUNTED ON BACK BAR COOLER (ITEM #B1) TO THIS POINT. (SEE GENERAL NOTE 4).

PB3 1/2" HOT WATER @ (+15" A.F.F.) P.C. TO EXTEND TO GLASS WASHER (ITEM #B3). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.

PB3A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM GLASS WASHER (ITEM #B3) TO THIS POINT. (SEE GENERAL NOTE 4). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.

PB5 (2 LOCATIONS) 1/2" 120 DEG. HOT AND COLD WATER @ (+12" A.F.F.) P.C. TO EXTEND TO UNDERBAR HAND SINK (ITEM #B5)

PB5A (2 LOCATIONS) 1-1/2" WASTE @ (+10" A.F.F.) P.C. TO EXTEND TO UNDERBAR HAND SINK (ITEM #B5).

PB8 (2 LOCATIONS) 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM UNDERBAR ICE BIN (ITEM #B8) AND DRAIN BOARD (ITEM #B12) TO THIS POINT. (SEE GENERAL NOTE 4).

PB11 (2 LOCATIONS) 1/2" 120 DEG. HOT AND COLD WATER @ (+12" A.F.F.) P.C. TO EXTEND TO UNDERBAR HAND SINK (ITEM #B11)

PB11A (2 LOCATIONS) 1-1/2" WASTE @ (+10" A.F.F.) P.C. TO EXTEND TO UNDERBAR HAND SINK (ITEM #B11).

PB17 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM PASS-THRU COCKTAIL STATION (ITEM #B17) AND UNDERBAR ICE BIN (ITEM #B15) TO THIS POINT. (SEE GENERAL NOTE 4).

CRUMB ENGINEERING
Crumb Engineering, LLC
4609 Fairfield Street
P-504.455.4450
Metairie, La 70006
jcrumb@crumbengineering.com

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

FLOOR PLAN - WATER AND GAS PIPING

LICENSED PROFESSIONAL ENGINEER
JASON T. CRUMB
062-074293
OF ILLINOIS

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET P1.1

DATE 11/01/22

Nov 03, 2022 - 9:33am
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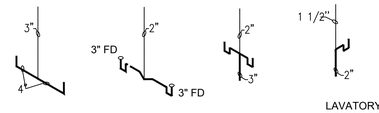
PLUMBING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	COLD WATER	FD	FLOOR DRAIN
	HOT WATER	HB	HOSE BIBB
	HOT WATER CIRCULATING	HW	HOT WATER
	VENT	RD	ROOF DRAIN
GW	GREASE WASTE	TD	TRENCH DRAIN
SS	SANITARY SEWER	TP	TRAP PRIMER
SD	STORM DRAIN		BALL VALVE
CLG.	CEILING	P 1	PLUMBING RISER DIAGRAM
CO	CLEAN OUT		GATE VALVE
CONN.	CONNECTION		CHECK VALVE
CW	COLD WATER		VALVE IN VERTICAL RISE
DF	DRINKING FOUNTAIN		UNION
DN	DOWN		AIR CHAMBER (10" HIGH PIPE)

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	PIPING CONNECTION SIZE HW	CW	S OR W	VENT	MANUF.	MODEL	ACCESSORIES
P-1	WATER CLOSET, FLOOR MOUNTED, FLUSH VALVE	-	1"	4"	2"	AMERICAN STANDARD	2234.015	CHURCH MODEL 9500C SEAT, SLOAN OPTIMA 8111 BATTERY OPERATED SENSOR FLUSH VALVE. COLOR: WHITE.
P-1A	WATER CLOSET, FLOOR MOUNTED, FLUSH VALVE (HANDICAP)	-	1"	4"	2"	AMERICAN STANDARD	2305.100	CHURCH MODEL 9500C SEAT, SLOAN OPTIMA 8111 BATTERY OPERATED SENSOR FLUSH VALVE. COLOR: WHITE.
P-2	URINAL, WALL MOUNTED	-	3/4"	2"	1 1/2"	AMERICAN STANDARD	6541.132	SLOAN OPTIMA PLUS 8186-1.0-LH-MC BATTERY OPERATED SENSOR FLUSH VALVE.
P-2A	URINAL, WALL MOUNTED (HANDICAP)	-	3/4"	2"	1 1/2"	AMERICAN STANDARD	6541.132	SLOAN OPTIMA PLUS 8186-1.0-LH-MC BATTERY OPERATED SENSOR FLUSH VALVE. MOUNT TOP OF RIM 17" A.F.F.
P-3	LAVATORY, COUNTER TOP	1/2"	1/2"	1 1/2"	1 1/2"	INTERGRAL BOWL	INTERGRAL BOWL	FAUCET MODEL 2385.003 AND GRID DRAIN, INSULATE P-TRAP PER ADA REQUIREMENTS.
P-5	FLOOR SINK	-	-	3"	1 1/2"	JOSAM OR EQUAL	49040AS	SQUARE CAST IRON, 8-3/8" DEEP, ACID RESISTING INTERIOR, BOTTOM OUTLET, BRONZE, LIGHT DUTY, ANTI-TILTING SUPER FLO GRATE.
● FD	FLOOR DRAIN	-	-	3"	-	JOSAM OR EQUAL	30000-6S	POLISHED BRONZE "SQUARE TOP" STRAINER DEEP SEAL TRAP # 88104
FDF	FLOOR DRAIN WITH FUNNEL	-	-	3"	-	JOSAM OR EQUAL	30000-E3	GALVANIZED CAST IRON FLOOR DRAIN, TWO PIECE BODY WITH DOUBLE DRAINAGE FLANGE, WEEP HOLES AND ADJUSTABLE SATIN NIKALOY OVAL FUNNEL STRAINER. DEEP SEAL TRAP # 88104.
HD	HUB DRAIN	-	-	4"	2'	JOSAM	88560	GALVANIZED CAST IRON HUB ADAPTER WITH STANDARD CAST IRON SOIL PIPE HUB AND MALE TREADED OUTLET. DEEP SEAL TRAP # 88104.
WH-1 & 2	WATER HEATER	1 1/2"	1 1/2"	-	-	A. O. SMITH	BTH-199	100 GALLON CAPACITY, 94% EFFICIENT. FURNISH WITH 3" PVC CONCENTRIC FLUE PIPING UP TO CONCENTRIC FLUE VENT. A. O. SMITH KIT PART No. 194451-000.

● PROVIDE FLOOR DRAIN WITH TRAP PRIMER IN RESTROOMS AND STORAGE ROOM.



WATER CLOSET | FLOOR DRAIN | SINK OR URINAL | LAVATORY, SINK, URINAL OR DRINKING FOUNTAIN

TYPICAL PLUMBING FIXTURE RISERS

NO SCALE

NOTES:

1. ALL WORK SHALL CONFORM TO THE 2015 MICHIGAN PLUMBING CODE.
2. PROVIDE TRAP PRIMERS ON ALL FLOOR DRAINS.
3. PROVIDE ACCESS PANELS IN WALLS FOR ALL CLEANOUTS.
4. SIZE WATER PIPING FOR EACH FIXTURE GROUP PER TABLE BELOW.
5. PROVIDE BALL VALVES AT ALL FIXTURE GROUPS TO ISOLATE WATER SUPPLIES.
6. PROVIDE AIR CHAMBERS ON HW & CW AT EACH FIXTURE GROUP.
7. SIZE SEWER AND VENT PIPING PER PLUMBING FIXTURES TABLES.
8. MINIMUM VENT THRU ROOF SHALL BE 3".
9. PROVIDE ¾" CW TO EACH ICE MACHINE, COFFEE MACHINE AND DRINK MACHINE WITH WALL BOX AND SHUTOFF VALVE.
10. MINIMUM WATER PIPING SIZE TO SAFETY SHOWER IS 1¼".
11. MINIMUM WATER PIPING SIZE SHALL BE ¾".
12. MINIMUM SEWER FOR WATER CLOSET OR TOILET ROOM FIXTURE GROUP SHALL BE 4".
13. MINIMUM VENT FOR WATER CLOSET OR TOILET ROOM FIXTURE GROUP SHALL BE 3".

WATER PIPE SIZING TABLE:

WATER CLOSETS

#	PIPE SIZE
1	1"
2	1¼"
3-4	1½"
5-10	2"
11-15	2½"

LAVATORIES, SINKS OR SHOWERS

#	PIPE SIZE
1-4	¾"
5-8	1"
9-12	1¼"

DRINKING FOUNTAINS

#	PIPE SIZE
1-4	¾"

URINALS

#	PIPE SIZE
1	¾"
2	1"
3-4	1¼"

SPECIFICATIONS:

SECTION 15A: PLUMBING

GENERAL PROVISIONS

1. SCOPE: PROVIDE ALL LABOR, MATERIAL, AND EQUIPMENT IN ACCORDANCE WITH THESE SPECIFICATIONS AND THE ACCOMPANYING DRAWINGS TO PROVIDE A COMPLETE AND PROPERLY OPERATING PLUMBING SYSTEM FOR THE BUILDING.

   OBTAIN WATER, SEWER, GAS TAPS, AND ANY OTHER REQUIRED UTILITIES AND EXTEND SERVICE FROM SAME TO BUILDING AS SHOWN ON DRAWINGS. VISIT THE SITE FOR UNDERSTANDING OF THE WORK TO BE DONE BEFORE SUBMITTING BID. REFER TO CIVIL DWGS FOR SITE UTILITIES.

   COORDINATE THIS WORK WITH THE WORK OF THE OTHER TRADES ON THE PROJECT. ALL PLUMBING IS TO BE ROUGHED IN WHILE THE BUILDING IS BEING CONSTRUCTED AT SUCH TIMES AS NOT TO DELAY THE GENERAL CONTRACTOR ON THE BUILDING.

2. GENERAL REQUIREMENTS: COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS, CODES, RULES, AND ORDINANCES GOVERNING WORK ON THIS CHARACTER. PAY FOR AND OBTAIN NECESSARY CONSTRUCTION PERMITS AND CERTIFICATES OF INSPECTION.

   A. DRAWINGS: THE LOCATION OF THE PIPING RUNS ARE APPROXIMATE AND THE CONTRACTOR MUST MAKE ANY NECESSARY CHANGES IN THE PIPING RUNS, ETC., AND AT NO ADDITIONAL COST TO THE OWNER. OUTLET LOCATIONS ARE CRITICAL AND MUST BE LOCATED EXACTLY ACCORDING TO THE PLUMBING PLAN. COORDINATE THIS WORK WITH THE INSTALLERS OF EQUIPMENT FURNISHED AND INSTALLED BY OTHERS. REFER TO THE OTHER DRAWINGS FOR DETAILS OF THE BUILDING CONSTRUCTION AND THE OTHER MECHANICAL, ELECTRICAL, AND EQUIPMENT FEATURES.

   B. COORDINATION AND WORKMANSHIP: SCHEDULE THIS WORK SO THAT IT WILL BE PROPERLY COORDINATED WITH ALL OTHER TRADES. WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BEST PRACTICE FOR THE CLASS OF WORK INVOLVED. WORKMANSHIP SHALL ALLOW THE APPLIANCE TO OPERATE AS INTENDED AND BE INSTALLED TO BEST PROTECT THE PUBLIC AND OPERATORS FROM INJURY OR DAMAGE, AND TO PRESENT A NEAT, PLEASING, AND ORDERLY APPEARANCE.

   C. PROVIDE BACKFLOW PROTECTION ON ALL FIXTURES AS REQUIRED BY MPC 608. PROVIDE AIR GAPS AT BEVERAGE MACHINES, ICE MACHINES AND COFFEE/TEA DISPENSERS PER MPC CHAPTER 8.

MATERIALS AND PERFORMANCE

1. MATERIALS: ALL MATERIALS SHALL BE NEW AND OF THE QUALITY INDICATED BY THE SPECIFIED BRAND NAMES. SUBSTITUTIONS OF MATERIAL OF EQUAL QUALITY BY OTHER FIRST-LINE MANUFACTURERS MAY BE ACCEPTABLE PROVIDED A LIST OF SUCH SUBSTITUTIONS IS APPROVED IN WRITING POPEYES DEVELOPMENT. A SUBSTITUTIONS LIST SHALL BE SUBMITTED IN TRIPLICATE WITHIN FIVE (5) DAYS AFTER THE CONTRACT IS LET.

2. BACKFILLING: PERFORM ALL NECESSARY EXCAVATING AND BACKFILLING REQUIRED FOR THIS INSTALLATION. PREPARE A PROPER BED OF SAND OR GRAVEL OR EQUIVALENT IN ROCK SCREENINGS SO AS TO ELIMINATE SHIMMING AND VOID SPACE UNDER ANY OF THE UTILITY SERVICE PIPES. BENDING OF ANY HARD PIPE WILL NOT BE PERMITTED. WHERE A CHANGE IN DIRECTION IS NECESSARY ON PRESSURE PIPES, "COMPATIBLE" COUPLINGS OR EQUAL SHALL BE USED AND BENDS MAY NOT EXCEED 90 DEGREES. ALL EXCAVATION BELOW THE BOTTOM OF FOOTINGS SHALL BE BACKFILLED ACCORDING TO STRUCTURAL ENGINEER'S RECOMMENDATION TO A FINAL LEVEL EQUAL TO ITS ORIGINAL CONDITION. IN THE EVENT THE BACKFILL SHOULD SETTLE BEFORE THE FINAL TOP SURFACE IS APPLIED, APPLY ADDITIONAL BACKFILL TO SUSTAIN THE ORIGINAL LEVEL. CARE SHOULD BE TAKEN TO ADDITIONAL BACKFILL TO SUSTAIN THE ORIGINAL LEVEL. CARE SHOULD BE TAKEN TO MINIMIZE THE DUST LEVEL WHEN EXCAVATING AND BACKFILLING SO AS TO COMPLY WITH FEDERAL AND STATE E.P.A. REGULATIONS RELATING TO THIS TYPE OF WORK (FUGITIVE DUST).

3. PIPING INSTALLATION: CLEANOUTS MUST BE INSTALLED ON MINIMUM DROP LINES EVEN THOUGH NOT SHOWN ON THE PLANS. USE REDUCING FITTINGS IN MAKING REDUCTIONS IN SIZE OF PIPE. REAM ALL PIPE AFTER CUTTING, THEN TURN PIPES ON END AND KNOCK OUT ALL LOOSE DIRT AND SCALE BEFORE INSTALLING. MAKE CHANGES IN HORIZONTAL DIRECTION OF SOIL AND WASTE PIPES WITH LONG RADIUS FITTINGS OR WITH COMBINATION "Y" BRANCHES AND 1/8TH BENDS. CONNECT SOIL STACKS AT BASE TO HORIZONTAL RUNS WITH COMBINATION "Y" AND 1/8TH BENDS.

   WATER SUPPLY PIPES TO FIXTURES AND WASTE PIPES FROM FIXTURES SHALL BE CENTERED IN THE PROPER PLACE RELATIVE TO THE CENTER LINE OF THE FIXTURE. NO OFFSETS WILL BE ALLOWED. ALL PIPES SHALL BE RUN MECHANICALLY STRAIGHT AND SQUARE WITH BUILDING LINES, EXCEPT FOR REQUIRED PITCH ON HORIZONTAL LINES, AND ALL CHANGES IN DIRECTION SHALL BE MADE WITH FITTINGS. WATER PIPING TO BE ROUTED IN WALLS, UNDER THE FLOOR SLAB, AND ABOVE SUSPENDED CEILINGS AS NOTED. WHERE WATER LINES ARE ROUTED UNDER THE FLOOR SLAB, NO MECHANICAL JOINTS SHALL BE MADE UNDER THE SLAB EXCEPT AS LISTED BELOW. WATER PIPING SHALL BE INSTALLED NOT TO EXERT VERTICAL NOR HORIZONTAL STRESSES ON THE SEATING OF UNIONS, UNIONS SHALL BE COPPER TYPE NIBCO #733 OR EQUAL.

   NO WAX, PUTTY, OR VARNISH WILL BE PERMITTED. CRACKED FITTINGS SHALL BE REMOVED AND REPLACED WITH NEW FITTINGS. MAKE THREADED JOINTS IN BRASS PIPE AND FITTING WITH PIPE THREADING TO THE SHOULDER OF THE FITTINGS. NO SLIP JOINTS OR COUPLING JOINTS IN BRASS PIPE WILL BE PERMITTED, EXCEPT ON THE FIXTURE SIDE OF THE TRAP.

4. NATURAL GAS PIPING: FOR ABOVEGROUND INSTALLATIONS, ALL FITTINGS TO BE JOINED WITH TEFLON TAPE SEAL OR OTHER SUITABLE SEAL AND MADE IN CONFORMANCE WITH THE BEST PRACTICES OF AGA AND NFPA 54. UNIONS SHALL BE CAST BLACK IRON AND INSTALLED IN A MANNER SUCH THAT NO STRESS WILL BE PLACED ON THE MALE-FEMALE SEALING SURFACES. PROPER ALIGNMENT WILL BE MADE AT TIME OF INSTALLATION. ALL JOINTS AND CONNECTIONS SHALL BE THOROUGHLY CLEANED OF OIL, THREAD CUTTINGS AND RESIDUALS TO ACCEPT ENAMEL PAINT. ROUGH OR SHARP EXPOSED THREAD SURFACES SHALL BE FILED SMOOTH. TESTING SHALL BE AS OUTLINED UNDER SECTION 15A, PARAGRAPH II, TESTS.

   A. MATERIALS: BLACK CARBON STEEL, SCH. 40 WITH MALLEABLE IRON THREADED FITTINGS.

   B. PAINTING: PAINT ALL GAS PIPING EXPOSED TO WEATHER WITH ONE COAT OF PRIMER, AND TWO COATS OF RUST-PROOF PAINT. COLOR SHALL MATCH BUILDING COLORS. COORDINATE WITH G.C.

5. WATER PIPE:

   WATER METER & BACKFLOW REQUIREMENTS SHALL BE IN ACCORDANCE W/ LOCAL CODES & UTILITY COMPANIES. REFER TO CIVIL DRAWINGS FOR METER, SERVICE LINES, AND CONTAINMENT BACKFLOW PREVENTER.

   JOINTS SHALL BE CLEANED AND DEBURRED AS RECOMMENDED BY THE MANUFACTURER AND FEDERAL, STATE AND LOCAL CODES AND SOLDERED AS LISTED BELOW. FLUX SHALL BE NON-CORROSIVE. ALL PIPE JOINT MATERIALS SHALL BE LEAD-FREE.

   ABOVE GRADE - WHERE FITTINGS ARE SOLDERED BOTH FITTINGS AND TUBING SHALL BE CLEANED AS DESCRIBED ABOVE. UNDER NO CIRCUMSTANCES SHALL DISSIMILAR METALS COME INTO DIRECT CONTACT WITH COPPER TUBING, E.G., GALVANIZED STRAPPING, HANGERS, OR CLAMPS TO SECURE THE TUBING.

   BELOW GRADE, OR FLOOR SLAB ON EARTH OR STONE FILL - HIGH TEMPERATURE, SOLDER, 1200 DEG. F OR GREATER MELTING POINT.

   NOTE: WATER PIPE TO BE PROPERLY SECURED AND ALIGNED SO AS NOT TO EXERT VERTICAL OR HORIZONTAL STRESSES ON THE SEATING OF THE MATING (MALE AND FEMALE) SURFACES OF THE UNIONS.

   A. MATERIALS - UNDERGROUND: TYPE "K" COPPER TUBE, SOFT TEMPER

   B. MATERIALS - ABOVEGROUND: TYPE "L" COPPER TUBE, HARD DRAWN

   C. INSULATION: INSULATION FOR HOT AND COLD WATER PIPING SHALL BE 1/2" THICK ARMAFLEX UL LABELED OR 1" FIBERGLASS 25/50 WITH ASJ/SSL FOIL/VINYL JACKET OR EQUAL. INSULATE ALL PIPING AND FITTINGS.

6. WASTE PIPING: INSTALL HORIZONTAL DRAIN AND WASTE PIPES WITH 1/4" FT. SLOPE.

   A. MATERIALS (SANITARY/GREASE WASTE & VENT): PVC SCH. 40, SOLID CORE (ASTM 2665), WITH SCH. 40 DRAINAGE PATTERN PVC FITTINGS AND SOLVENT CEMENTED JOINTS WITH TINTED PRIMER WITH THE EXCEPTION OF HOOD WALL, IN WHICH CASE, CAST IRON IS REQUIRED.

      EXCEPTION: SEE PLAN NOTES AND RISER DIAGRAM FOR U/G GREASE WASTE LINE BETWEEN COOKING LINE FLOOR DRAIN AND GREASE WASTE MAIN. THIS LINE SHALL BE INSTALLED WITH SERVICE WEIGHT, COATED & LINED, CAST IRON SOIL PIPE WITH MECHANICAL HUB & SPIGOT PUSH-ON JOINTS.

   B. MATERIALS (ABOVEGROUND INDIRECT DRAIN AND CONDENSATE DRAIN LINES): TYPE "M" COPPER TUBE, HARD DRAWN, WITH COPPER OR BRASS DRAINAGE PATTERN FITTINGS AND SOLDERED JOINTS.

   C. INSULATION: INSULATE ALL ABOVEGROUND INDIRECT OR CONDENSATE DRAIN LINES COLLECTING COLD CONDENSATE FROM REFRIGERATION OR HVAC EQUIPMENT. INSULATION SHALL BE 1/2" THICK ARMAFLEX, OR EQUAL.

   D. HEAT TRACING: HEAT TRACE ALL CONDENSATE DRAIN LINES INSIDE COOLERS AND FREEZERS AT 5 WATTS/LINEAR FOOT (MINIMUM).

   E. ALL FLOOR DRAINS SHALL BE TRAPPED AND PROVIDED WITH TRAP PRIMERS PER MPC 1002.4.

   F. ALL FIXTURES SHALL BE VENTED PER MPC 901.2.1.

   G. PROVIDE 10' OF CAST IRON PIPING ON FLOOR SINK GREASE WASTE SERVICING DISHWASHER PER MPC 702.5.

7. PIPE SLEEVES/ESCUTCHEONS: PROVIDE CHROME-PLATED ESCUTCHEONS ON ALL PIPES PASSING THROUGH WALLS, FLOORS, OR CEILINGS OF FINISHED ROOMS. ESCUTCHEONS TO BE BEATON & CADWELL, #10, 40, 6A OR EQUIVALENT WITH SET-SCREWS. PROVIDE ESCUTCHEONS ON ALL WASTE LINES FROM PLUMBING FIXTURES, WHETHER THROUGH WALLS, FLOORS, AND WHETHER CONCEALED BEHIND COUNTERS OR EXPOSED. PIPE SLEEVES SHALL BE PROVIDED WHEN PIPES PENETRATE FOUNDATION AND SHALL BE 1" LARGER THAN PIPE, SEAL SLEEVE WITH CAULKING.

8. PLUMBING FIXTURES: FURNISH AND INSTALL PLUMBING FIXTURES AS SHOWN ON DRAWINGS WITH ALL ACCESSORIES AND TRIM AS LISTED. ALL FIXTURES SHALL BE PROTECTED THROUGH THE COURSE OF THE CONSTRUCTION. ANY FIXTURE DAMAGED SHALL BE REPLACED WITHOUT ADDITIONAL EXPENSE TO THE OWNER.

9. CONNECTION TO OTHER FIXTURES: CONNECT BUILDING SERVICE PIPING, INCLUDING BUT NOT LIMITED TO WATER, DRAIN, AND GAS PIPES TO FOOD SERVICE EQUIPMENT AS INDICATED IN EQUIPMENT SPECIFICATIONS. PROVIDE BACKFLOW PROTECTION ON ICE MACHINES AND BEVERAGE EQUIPMENT SUPPLY CONNECTIONS.

10. TESTS:

    A. DRAINAGE AND VENT PIPING - DRAINAGE AND VENT PIPING SHALL BE TESTED BEFORE THE PLUMBING FIXTURES ARE INSTALLED BY CAPPING THE OPENINGS AND FILLING THE ENTIRE SYSTEM WITH WATER AND ALLOWING IT TO STAND THUS FILLED NOT LESS THAN ONE (1) HOUR. INSPECT WATER LEVEL TO DETERMINE IF PIPING IS TIGHT.

    B. WATER PIPING - THE WATER SUPPLY PIPING LINES SHALL BE TESTED BEFORE THE PLUMBING FIXTURES ARE CONNECTED BY FILLING THE ENTIRE SYSTEM WITH POTABLE WATER AND APPLYING HYDROSTATIC PRESSURE OF 100 PSI AND ALLOWING TO STAND FOR NOT LESS THAN FOUR (4) HOURS AT THIS PRESSURE TO PROVE PLUMBING INTEGRITY.

    C. GAS PIPING - IN LIEU OF LOCAL REQUIREMENTS, GAS PIPING SHALL BE FILLED WITH COMPRESSED AIR TO 150 PSI AND HELD FOR A PERIOD OF FOUR (4) HOURS. EACH JOINT SHALL BE CHECKED BY LIQUID SOAP OR SPECIAL LIQUID CHEMICAL FOR LEAKS. NOTE: REMOVE ALL GAS VALVES AND PROTECT FROM DAMAGE BEFORE TESTING SYSTEM.

11. DISINFECTION OF POTABLE WATER SYSTEM: UPON COMPLETION OF INSTALLATION DISINFECT THE WATER SYSTEM BY FILLING IT WITH SOLUTION CONTAINING 50 PARTS PER MILLION OF CHLORINE AND ALLOW IT TO STAND FOR NOT LESS THAN SIX (6) HOURS BEFORE FLUSHING THOROUGHLY AND RETURNING TO SERVICE. FURNISH CLEAN WATER SAMPLES TO THE LOCAL AUTHORITY FOR TESTING AFTER THE LINES HAVE BEEN DISINFECTED. THIS PROCEDURE TO BE IN ACCORDANCE WITH STATE PLUMBING CODE.

12. CLEANUP: CLEAN ALL PLUMBING FIXTURES AND EQUIPMENT THOROUGHLY BEFORE FINAL INSPECTION, LEAVING ALL READY FOR USE.

13. EXTENDED WARRANTY: WARRANT IN WRITING ANY EQUIPMENT OR MATERIALS USED IN THE INSTALLATION HAVING AN EXTENDED WARRANTY AS OFFERED BY THE MANUFACTURER. PROVIDE NEW OR REBUILT ASSEMBLIES TO THE SITE FOR ANY SUCH EQUIPMENT OR MATERIALS WHICH FAIL DURING THIS PERIOD, AND INSTALL AT NO ADDITIONAL COST TO THE OWNER.

14. OWNER'S MANUAL: PROVIDE THE OWNER, AT THE COMPLETION OF THIS CONTRACT, WITH AN "OWNER'S MANUAL" SO LABELED. A SECOND LIKE MANUAL SHALL BE PREPARED AND FORWARDED TO THE OWNER FOR "JOB RECORDS". THE MANUAL SHALL CONSIST OF A THREE-RING LOOSE-LEAF BINDER CONTAINING ALL PRINTED MATTER SUCH AS: GUARANTEE CARDS, CLEANING INSTRUCTIONS, NOTICES TO OWNER, OPERATING MANUALS, AND MAINTENANCE INSTRUCTIONS THAT MAY BE CONTAINED IN THE SHIPPING CARTONS OR HOUSING OF EQUIPMENT AND ARCHITECTURAL SPECIALTIES.

FOOD SERVICE EQUIPMENT PLUMBING ROUGH-IN NOTES

1. ROUGH-IN PLAN SHOWS APPROXIMATE LOCATIONS FOR UTILITY REQUIREMENTS OF FOOD SERVICE EQUIPMENT SPECIFIED (INCLUDING EXISTING AND FUTURE EQUIPMENT) PLUS AREA CLEAN-UP FLOOR DRAINS. CONTRACTOR SHALL FURNISH DIMENSIONED LOCATIONS FROM FINISHED WALLS AND/OR CENTER-LINE OF COLUMNS FOR ALL UTILITIES SHOWN ON CONTRACT DOCUMENT ROUGH-IN DRAWINGS.
2. WHERE POSSIBLE, ALL PLUMBING LINES SHALL EXTEND UP THROUGH AND OUT OF BUILDING WALLS.
3. EXTEND AND CONNECT ALL PLUMBING LINES TO CONNECTION POINTS OF FOOD SERVICE EQUIPMENT - DIVISION 15.
4. FURNISH AND INSTALL LINE SHUT-OFF VALVES ON ALL PLUMBING LINES AT EACH FIXTURE - DIVISION 15.
5. EXTEND WATER LINES THROUGH VACUUM BREAKERS (FURNISHED BY DIVISION 11) WHERE INLETS ARE SUBJECT TO SUBMERSION - DIVISION 15.
6. FURNISH WATER INLET VALVES, TEMPERATURE GAUGES, PRESSURE REDUCING VALVES (FOR LOWER PRESSURES THAN INDICATED ON DRAWINGS), MIXING VALVES, AND ACCESSORIES REQUIRED FOR OPERATION OF EQUIPMENT - DIVISION 11.
7. FURNISH AND INSTALL MIXING FAUCET WITH VACUUM BREAKER AND HOSE THREADS - DIVISION 15.
8. SLOPE CONDENSATE DRAIN LINES GENEROUSLY (1/2" PER LINEAL FOOT MINIMUM) FROM WALK-IN COOLER AND FREEZER COILS TO 6" ABOVE WALK-IN FLOOR AND EXTEND THROUGH WALK-IN PANELS AND BUILDING WALLS (WHERE APPLICABLE) TO FLOOR DRAIN - DIVISION 11. DRAIN LINE TRAP AND 2" AIR-GAP REQUIRED.
9. WALK-IN PANEL PENETRATIONS FOR REFRIGERANT PIPING AND DRAIN LINES SHALL BE SEALED WITH FOAM URETHANE.
10. FURNISH SINK FAUCETS, TAIL PIECES, LEVER HANDLE DRAINS AND VACUUM BREAKERS - DIVISION 11.
11. FURNISH AND INSTALL 2" DRAIN LINE EXTENSIONS FROM SINK REQUIRING OPEN SITE DRAINS TO BUILDING FLOOR SINK - DIVISION 15. 2" AIR-GAP REQUIRED.
12. FURNISH AND INSTALL 2" HIGH-TEMP RATED (200+°F) DRAIN LINES FROM EACH OF TWO (2) CONVECTION STEAMERS TO FLOOR SINK - DIVISION 15. 2" AIR-GAP REQUIRED.
13. FURNISH AND INSTALL 2" HIGH-TEMP RATED (200°+F) DRAIN LINE FROM ONE (1) CONVECTION STEAMER (LOCATED ADJACENT TO ITEM NO. 30) TO FLOOR SINK - DIVISION 15. 2" AIR-GAP REQUIRED.
14. TEST INTERNAL WATER PIPING OF UDS (FURNISHED BY DIVISION 11) FOR LEAKS CAUSED BY SHIPPING AND TIGHTEN AS REQUIRED - DIVISION 15.
15. UTILITY DISTRIBUTION SYSTEM SPECIFIED INCLUDES INTEGRALLY CONNECTED WATER FILTER SYSTEM LOCATED WITH END TOWER ADJACENT TO ITEM NO. 30 FOR FILTERED WATER CONNECTIONS OF ITEM NO. 29.
16. CONNECT WATER QUICK-DISCONNECT HOSE ASSEMBLIES (FURNISHED BY DIVISION 11) TO COOKING EQUIPMENT WHERE REQUIRED - DIVISION 15.
17. FURNISH AND INSTALL MECHANICAL GAS SHUT-OFF VALVE FOR FIRE SUPPRESSION SYSTEM ON INCOMING GAS LINE TO UDS PRIOR TO TEE FITTING FOR LOOPED SERVICE - DIVISION 15. REFER TO DIAGRAM D_, FS4.01.
18. CONNECT GAS QUICK-DISCONNECT HOSE ASSEMBLIES (FURNISHED BY DIVISION 11) TO COOKING EQUIPMENT WHERE REQUIRED - DIVISION 15.
19. INSTALL STAINLESS STEEL FLOOR DRAIN TROUGH (FURNISHED BY DIVISION 11) WITH TOP OF PERIMETER FLANGE FLUSH WITH SURROUNDING FINISHED FLOOR - DIVISION 22.
20. WATER LINE SHALL BE PIPED THROUGH WATER FILTER (FURNISHED BY DIVISION 11) TO EQUIPMENT - DIVISION 15.
21. FURNISH AND INSTALL 1/2" DRAIN LINE FROM ICE MACHINE TO FLOOR SINK - DIVISION 15. 2" AIR-GAP REQUIRED.

CRUMB ENGINEERING
Crumb Engineering, LLC
4609 Fairfield Street
P: 504.455.4450
Metairie, La 70006
jcrumb@crumbengineering.com

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

PLUMBING DEMOLITION

LICENSED PROFESSIONAL ENGINEER
JASON T. CRUMB
062-074293
OF ILLINOIS

REVISIONS NO.	DATE

PROJECT NO: IA 2230

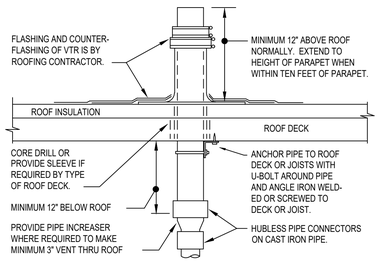
SHEET P2.0

DATE 11/01/22

P2 PLUMBING SCHEDULES AND DETAILS

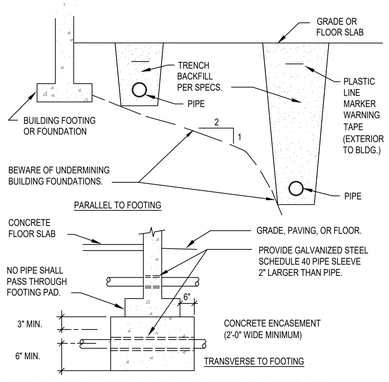
SCALE: NONE

Nov 01, 2022 - 7:14pm
\\NAS-6E-3A-1E\crumblic\Projects\Smokey Bones - Champagne, IL\DRAWINGS\P2.0 - SCH & DTLS.dwg



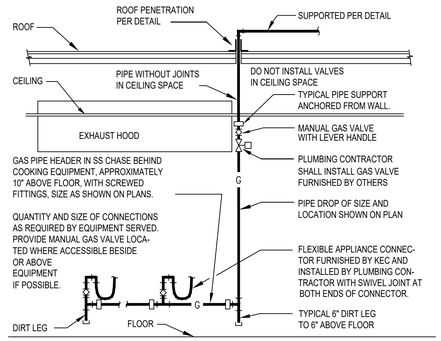
REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VTR MINIMUM THREE FEET FROM PROPERTY LINE, OR TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, OR ONE FOOT FROM ANY VERTICAL SURFACE. LOCATE VTR MINIMUM" FROM PARAPET, EXPANSION JOINT, EQUIPMENT CURB, ETC. OFFSET IN CEILING SPACE WHERE REQUIRED TO MEET THESE CONDITIONS.

2 / P3.1 VENT THRU ROOF (VTR) N.T.S.



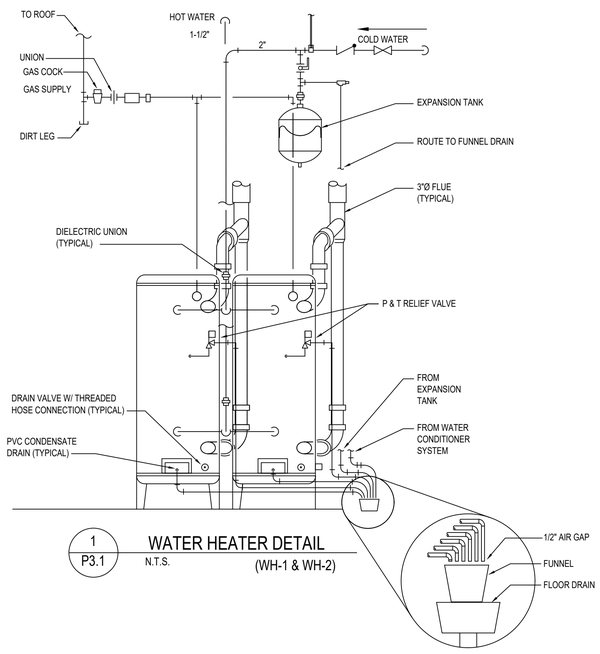
VERIFY EXCAVATION CONDITIONS (SOIL/ROCK) WITH GEOTECHNICAL REPORT AND/OR SITE INVESTIGATION. REFER TO SPECS FOR OTHER CONDITIONS.

5 / P3.1 PIPE AND TRENCH LOCATION N.T.S.



PROVIDE ANY GAS APPLIANCE PRESSURE REGULATORS REQUIRED, INSTALL ANY FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR. VERIFY ROUGH-IN REQUIREMENTS WITH KITCHEN EQUIPMENT CONTRACTOR. COORDINATE WITH ELECTRICAL CONTRACTOR. ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT ACTUAL CONDITIONS. MAKE FINAL CONNECTION TO EQUIPMENT AS RECOMMENDED BY MANUFACTURER. PROVIDE WELDED FITTINGS AND JOINTS IN ANY CONCEALED UNVENTILATED LOCATION.

6 / P3.1 COOKING APPLIANCE GAS PIPE N.T.S.

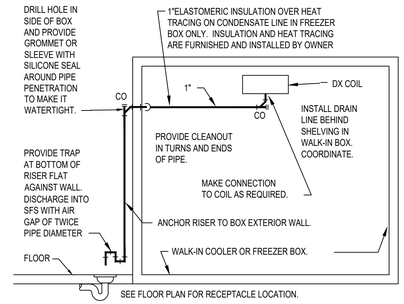


1 / P3.1 WATER HEATER DETAIL N.T.S. (WH-1 & WH-2)

PROVIDE WCO WHERE SHOWN ON PLAN, AND ON SANITARY WASTE BRANCHES NOT SERVED WITH A FLOOR CLEANOUT: LOCATE ABOVE FIXTURE FLOOD RIM WITHIN 4" OF FLOOR. CONSULT LOCAL CODES FOR OTHER WCO REQUIREMENTS.

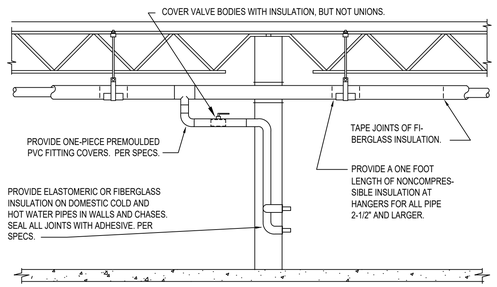
7 / P3.1 WALL CLEANOUT N.T.S.

8 / P3.1 NON-FREEZE WALL HYDRANT N.T.S.

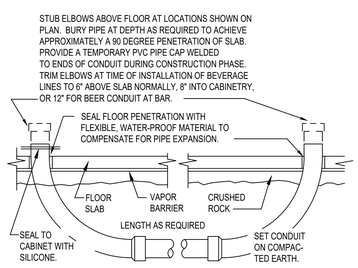


INSTALL PIPE HIGH AS POSSIBLE, ANCHORED TO WALL OF BOX WITH SUPPORTS AT MAXIMUM SIX FOOT CENTERS. USE TYPE "M" HARD COPPER TUBE AND FITTINGS WITH LEAD-FREE SOLDER JOINTS. SLOPE HORIZONTAL PIPE AT MINIMUM TWO PERCENT. PROVIDE CHROMATONE PAINT ON PIPE EXTERIOR TO BOX. REFER TO "INDIRECT DRAIN" DETAIL FOR OTHER REQUIREMENTS.

10 / P3.1 WALK-IN BOX CONDENSATE DRAIN N.T.S.

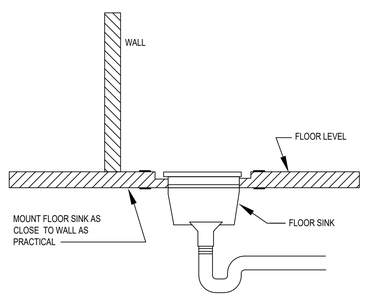


11 / P3.1 PIPE INSULATION N.T.S.

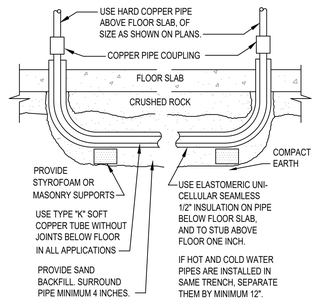


USE SIX INCH SCHEDULE 40 PVC ELECTRICAL CONDUIT AND FITTINGS WITH SOLVENT-WELDED JOINTS. USE MINIMUM QUANTITY OF FITTINGS REQUIRED. PROVIDE LONG SWEEP ELBOWS AT BOTH ENDS, WITH MINIMUM 24 INCH RADIUS (AVAILABLE AS ELECTRICAL CONDUIT - DO NOT USE MUL-TIPLE ELBOWS TO MAKE 90° TURNS). PROVIDE TEST OF CONDUIT AFTER ASSEMBLY TO VERIFY WATERTIGHTNESS. REPAIR LEAKS BEFORE BACKFILLING TRENCH WITH SAND. MAINTAIN PRESSURE UNTIL BEVERAGE LINES ARE INSTALLED. AVOID ELBOWS IN HORIZONTAL RUN IF AT ALL POSSIBLE. BEVERAGE SUPPLIER WILL SEAL ENDS OF CONDUIT WITH FOAM AFTER BEVERAGE LINES ARE INSTALLED IN CONDUIT.

12 / P3.1 PVC BEVERAGE CONDUIT N.T.S.



13 / P3.1 FLOOR SINK DETAIL N.T.S.



14 / P3.1 WATER PIPE UNDER SLAB N.T.S.

P2 PLUMBING SCHEDULES AND DETAILS

SCALE: NONE

CRUMB ENGINEERING
Crumb Engineering, LLC
4609 Fairfield Street
P-504.455.4450
Metairie, La 70006
jcrumb@crumbengineering.com

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

PLUMBING SCHEDULES AND DETAILS

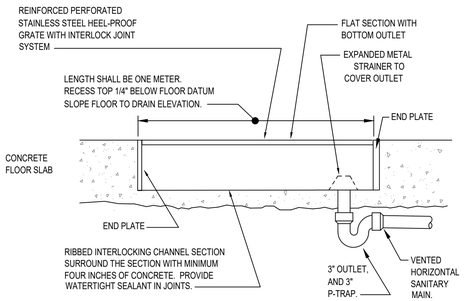
LICENSED PROFESSIONAL ENGINEER
JASON T. CRUMB
062-074293
OF ILLINOIS

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

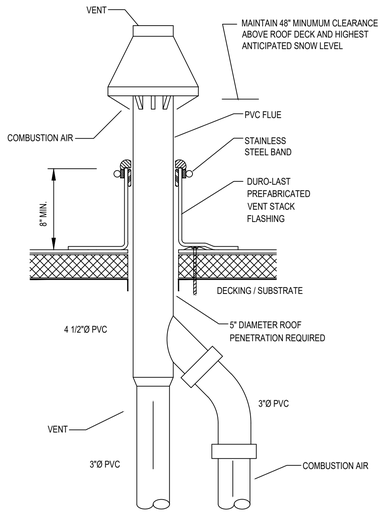
SHEET P2.1

DATE 11/01/22



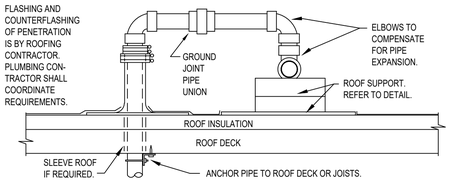
1 P3.2 INTERIOR TRENCH DRAIN

N.T.S.



2 P3.2 WATER HEATER CONCENTRIC FLUE VENT DETAIL

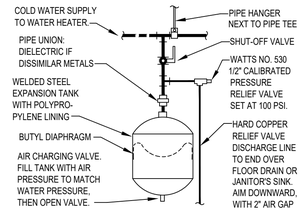
N.T.S.



REFER TO PLANS FOR PIPE SIZE(S) AND LOCATION(S). USE WELDED OR SCREWED FITTINGS AS SPECIFIED FOR PIPE SIZE. LOCATE PENETRATION MINIMUM 18" FROM ADJACENT WALLS, EQUIPMENT CURBS, PARAPETS, EXPANSION JOINTS, ETCETERA.

3 P3.2 GAS PIPE ROOF PENETRATION

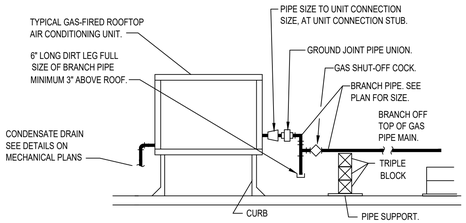
N.T.S.



UNIT SHALL BE FDA APPROVED FOR DOMESTIC WATER USE. PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. MAKE PIPE SAME SIZE AS TANK FITTING. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION PROCEDURE. VERIFY PROPER OPERATION WHEN INSTALLED.

4 P3.2 EXPANSION TANK

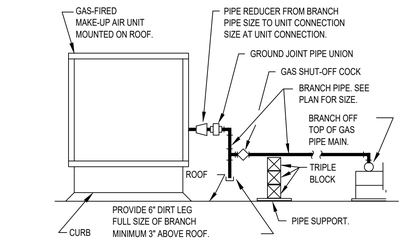
N.T.S.



PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST AS REQUIRED TO SUIT ACTUAL CONDITIONS. CONDENSATE TRAP SHALL BE ROUTED TO AVOID INTERFERENCE WITH RTU MAINTENANCE ACCESS DOORS.

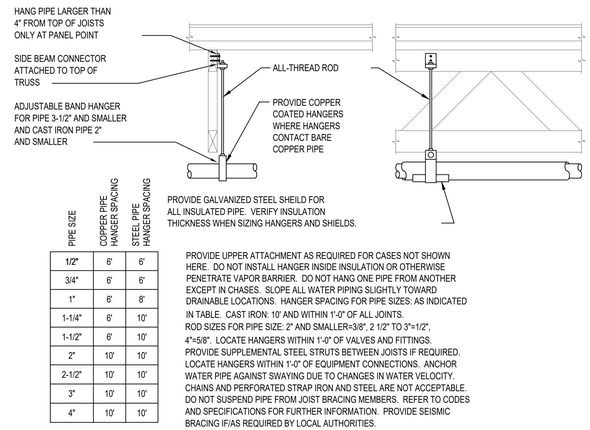
6 P3.2 GAS CONNECTION TO ROOFTOP UNITS

N.T.S.



7 P3.2 GAS CONNECTION TO MAKE-UP AIR UNIT

N.T.S.

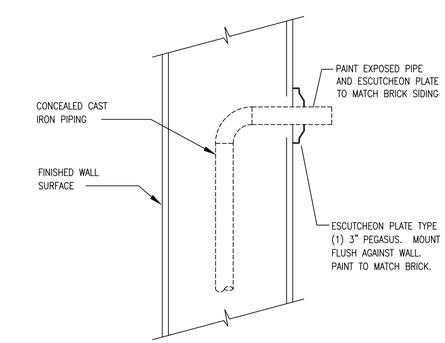


PIPE SIZE	COPPER PIPE HANGER SPACING	STEEL PIPE HANGER SPACING
1/2"	6'	6'
3/4"	6'	6'
1"	6'	8'
1-1/4"	6'	10'
1-1/2"	6'	10'
2"	10'	10'
2-1/2"	10'	10'
3"	10'	10'
4"	10'	10'

PROVIDE UPPER ATTACHMENT AS REQUIRED FOR CASES NOT SHOWN HERE. DO NOT INSTALL HANGER INSIDE INSULATION OR OTHERWISE PENETRATE VAPOR BARRIER. DO NOT HANG ONE PIPE FROM ANOTHER EXCEPT IN CHASES. SLOPE ALL WATER PIPING SLIGHTLY TOWARD DRAINABLE LOCATIONS. HANGER SPACING FOR PIPE SIZES: AS INDICATED IN TABLE. CAST IRON: 10' AND WITHIN 1'-0" OF ALL JOINTS. ROD SIZES FOR PIPE SIZE: 2" AND SMALLER=3/8", 2 1/2" TO 3"=1/2", 4"=5/8". LOCATE HANGERS WITHIN 1'-0" OF VALVES AND FITTINGS. PROVIDE SUPPLEMENTAL STEEL STRUTS BETWEEN JOISTS IF REQUIRED. LOCATE HANGERS WITHIN 1'-0" OF EQUIPMENT CONNECTIONS. ANCHOR WATER PIPE AGAINST SWAYING DUE TO CHANGES IN WATER VELOCITY. CHAINS AND PERFORATED STRAP IRON AND STEEL ARE NOT ACCEPTABLE. DO NOT SUSPEND PIPE FROM JOIST BRACING MEMBERS. REFER TO CODES AND SPECIFICATIONS FOR FURTHER INFORMATION. PROVIDE SEISMIC BRACING IF/AS REQUIRED BY LOCAL AUTHORITIES.

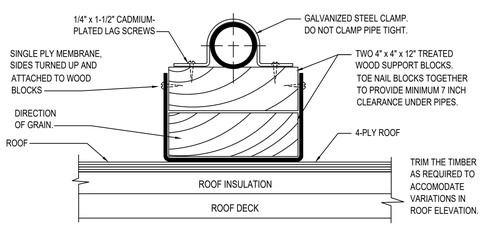
8 P3.2 PIPE HANGERS

N.T.S.



13 P3.2 PIPE THRU EXTERIOR WALL

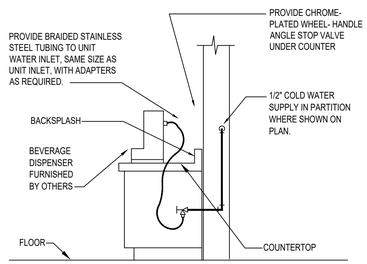
N.T.S.



LOCATE AT 4' SPACING FOR PLASTIC PIPE, AND AT FOLLOWING SPACING FOR METAL PIPE: 4"=14' 3"=12' 2-1/2"=11' 2"=10' 1-1/2"=9' 1-1/4"=8' 1"=7' 3/4"=6'. PLACE A SUPPORT AS CLOSE AS POSSIBLE TO EACH ELBOW AND TEE. SET BLOCKS FREE ON BASE SHEETS. STACK BLOCKS AND NAIL THEM TOGETHER WHERE REQUIRED TO ELEVATE PIPING. INSTALL PIPE TO ALLOW FOR EXPANSION AND CONTRACTION.

9 P3.2 SUPPORT OF PIPE ON ROOF

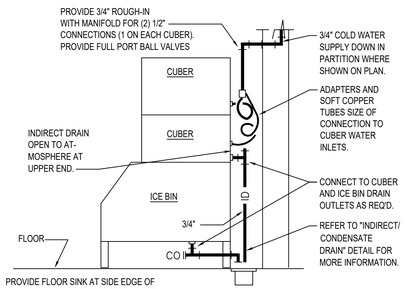
N.T.S.



ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST AS REQUIRED TO SUIT CONDITIONS. VERIFY CONNECTIONS WITH MANUFACTURER.

10 P3.2 BEVERAGE DISPENSER WATER

N.T.S.

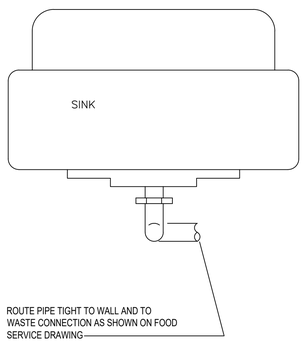


PROVIDE FLOOR SINK AT SIDE EDGE OF ICE MACHINE, WHERE ACCESSIBLE FOR CLEANING - NOT UNDER ANY EQUIPMENT.

PROVIDE COLD WATER ROUGH-IN AT TOP OF ICE MACHINE. ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST AS REQUIRED TO SUIT CONDITIONS. VERIFY CONNECTIONS WITH MANUFACTURER.

11 P3.2 ICE MACHINE CONNECTIONS

N.T.S.



12 P3.2 KITCHEN SINK WASTE AND SUPPLY DETAIL

N.T.S.

P2 PLUMBING SCHEDULES AND DETAILS

SCALE: NONE

CRUMB ENGINEERING
Crumb Engineering, LLC
4609 Fairfield Street
P-504.455.4450
Metairie, La 70006
jcrumb@crumbengineering.com

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

PLUMBING SCHEDULES AND DETAILS

LICENSED PROFESSIONAL ENGINEER
JASON T. CRUMB
062-074293
OF ILLINOIS

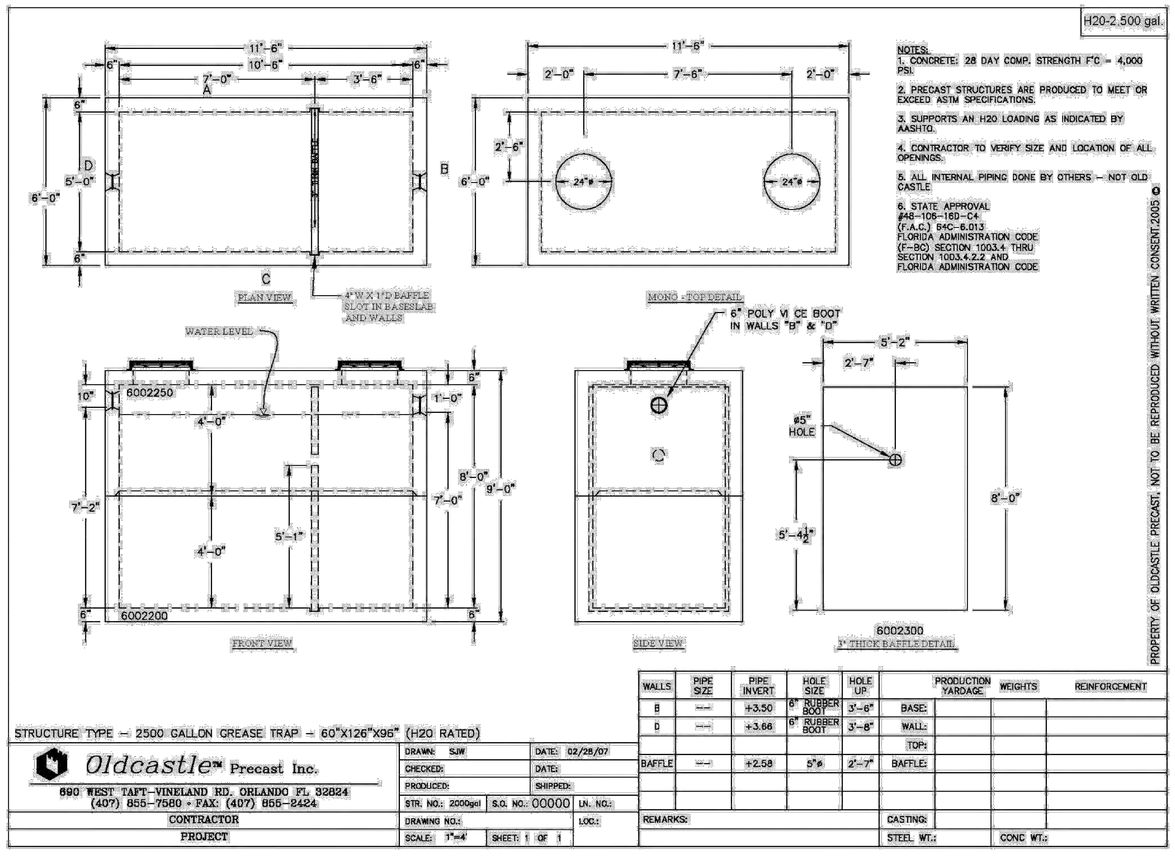
REVISIONS	
NO.	DATE

PROJECT NO: IA 2230

SHEET P2.2

DATE 11/01/22

Nov 01, 2022 - 7:13pm
\\NAS-6E-3A-1E\crumblic\Projects\Smokey Bones - Champagne, IL\DRAWINGS\P2.2 - SCH & DTLS.dwg



NOTES:
1. CONCRETE: 28 DAY COMP. STRENGTH F'C = 4,000 PSI.
2. PRECAST STRUCTURES ARE PRODUCED TO MEET OR EXCEED ASTM SPECIFICATIONS.
3. SUPPORTS AN H20 LOADING AS INDICATED BY AASHTO.
4. CONTRACTOR TO VERIFY SIZE AND LOCATION OF ALL OPENINGS.
5. ALL INTERNAL PIPING DONE BY OTHERS – NOT OLD CASTLE.
6. STATE APPROVAL
#48-105-16D-C4
(F.A.C.) 64C-6.013
FLORIDA ADMINISTRATION CODE
(F-BC) SECTION 1003.4 THRU
SECTION 1003.4.2.2 AND
FLORIDA ADMINISTRATION CODE

WALLS	PIPE SIZE	PIPE INVERT	HOLE SIZE	HOLE UP	PRODUCTION YARDAGE	WEIGHTS	REINFORCEMENT
B	——	+3.50	6" RUBBER BOOT	3'-6"	BASE:		
D	——	+3.66	6" RUBBER BOOT	3'-6"	WALL:		
					TOP:		
BAFFLE	——	+2.58	5"ø	2'-7"	BAFFLE:		
REMARKS:					CASTING:		
					STEEL WT.:	CONC WT.:	

STRUCTURE TYPE – 2500 GALLON GREASE TRAP – 60"X126"X96" (H20 RATED)

Oldcastle™ Precast Inc.
690 WEST TAFT-VINELAND RD. ORLANDO FL 32824
(407) 855-7580 • FAX: (407) 855-2424

DRAWN: SJW	DATE: 02/28/07		
CHECKED:	DATE:		
PRODUCED:	SHIPPED:		
STR. NO.: 2000gal	S.O. NO.: 00000	LN. NO.:	
CONTRACTOR	DRAWING NO.:	LOC.:	
PROJECT	SCALE: 1"=4'	SHEET: 1 OF 1	

2500 GALLON GREASE TRAP DETAIL

N.T.S.

P2 PLUMBING SCHEDULES AND DETAILS
SCALE: NONE

CRUMB ENGINEERING
Crumb Engineering, LLC
4609 Fairfield Street
P: 504.455.4450
Metairie, La 70006
jcrumb@crumbengineering.com

SMOKEY BONES
CHAMPAIGN ILLINOIS
1910 N. NEIL ST
CHAMPAIGN, IL 61820

PLUMBING SCHEDULES AND DETAILS

LICENSED PROFESSIONAL ENGINEER
JASON T. CRUMB
062-074293
OF ILLINOIS

REVISIONS	
NO.	DATE

PROJECT NO: IA 2230
SHEET P2.3
DATE 11/01/22