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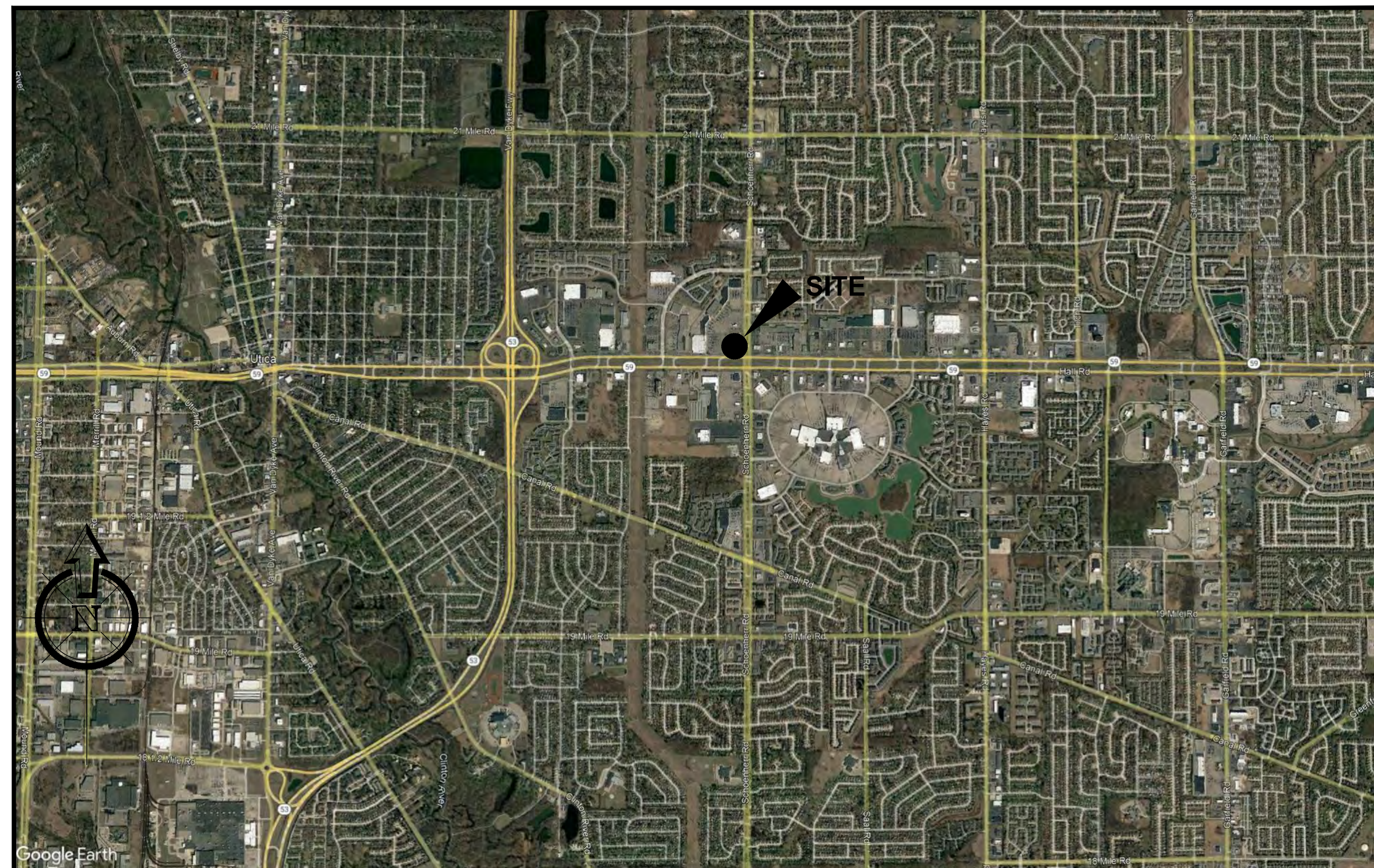
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SYMBOL LEGEND

	SECTION DETAIL/ SHEET
	DOOR NUMBER, SEE SCHEDULE
	FINISH ELEVATION
	INTERIOR ELEVATION/ LOCATION
	ROOM NAME
	ROOM NAME/ ROOM NUMBER
	WINDOW NUMBER, SEE SCHEDULE
	NEW DOOR SEE DOOR SCHEDULE
	BUILDING SECTION MARKER
	WALL SECTION MARKER
	SECTION DETAIL MARK
	ENLARGED REFERENCE



LOCATOR MAP



SMOKEY BONES

LOCATED AT:
45001 SCHOENHERR RD
UTICA, MI 48315

PROFESSIONAL OF
RECORD:

ARCHITECT

NAME: JEFF SPIKES
LICENSE NO.: 1301069572
PHONE NO.: 318-828-1637

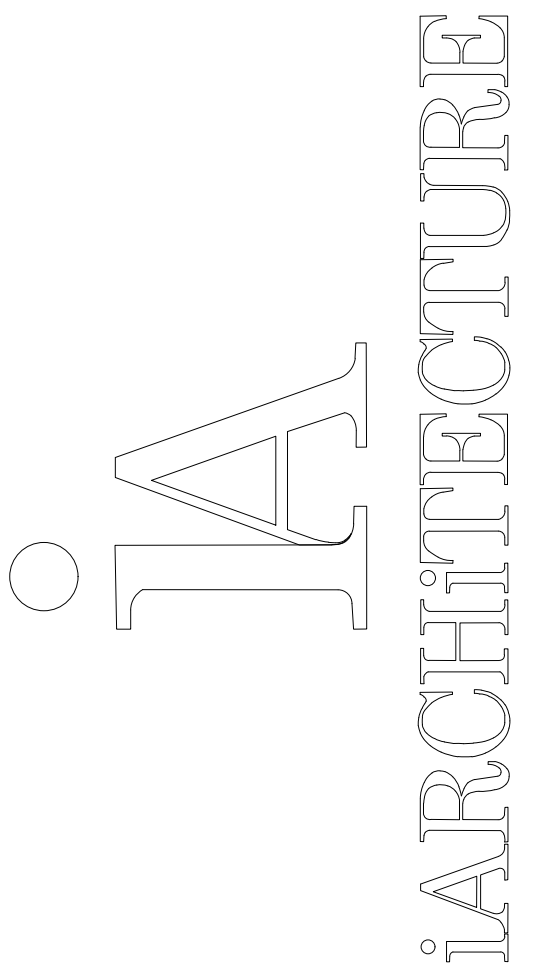
JEFF SPIKES ARCHITECT
417 LAKE STREET
SHREVEPORT, LOUISIANA 71101

CONTRACTOR NOTES

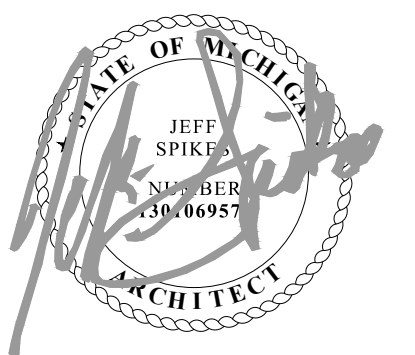
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL DRAWINGS AND SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL PRIOR TO SUBMITTING A BID. REPORT ANY DISCREPANCIES TO ARCHITECT OR ENGINEER PRIOR TO BID.
- BIDDERS ARE TO VISIT THE 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.
- 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.
- 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.
- CONTRACTORS ARE CAUTIONED TO COORDINATE ITEMS IN THEIR SCOPE OF WORK WITH OTHER TRADES.
- ALL CONSTRUCTION TO COMPLY WITH LOCAL AND STATE CODES AND STANDARDS REQUIRED EXITS.
- CONTRACTOR TO PROVIDE LOW LEVEL EXIT SIGNAGE WITH BRAILLE AT ALL REQUIRED EXITS.
- CONTRACTOR IS VERIFY EXISTING BACKFLOW PREVENTER IS PRESENT AND WORKING PROVIDE NEW OR REPAIR AS NEEDED
- THESE NOTES APPLY TO ALL SHEETS.

CODE INFORMATION:

CODES UTILIZED	
FIRE/LIFE SAFETY CODE:	INTERNATIONAL FIRE CODE, 2015 ED
ACCESSIBILITY CODE:	2009 ANSI A117.1
BUILDING CODE:	MI BUILDING CODE, 2015 ED
PLUMBING CODE:	MI PLUMBING CODE, 2015 ED
FUEL GAS CODE:	INTERNATIONAL FUEL GAS CODE, 2015 ED
MECHANICAL CODE:	MI MECHANICAL CODE, 2015 ED
ELECTRICAL CODE:	NEC ELECTRICAL CODE, 2014 ED



SMOKEY BONES
UTICA, MI



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COVER

REVISIONS	PROJECT NO:
NO. DATE	IA 2119
1 1.27.2022	SHEET
	A0.00

DATE 11/12/21

D

C

B

A

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: 2009 ANSI A117.1
BUILDING CODE: MI BUILDING CODE, 2015 ED
PLUMBING CODE: MI PLUMBING CODE, 2015 ED
FUEL GAS CODE: INTERNATIONAL FUEL GAS CODE, 2015 ED
MECHANICAL CODE: MI MECHANICAL CODE, 2015 ED
ELECTRICAL CODE: NEC ELECTRICAL CODE, 2014 ED

CODE INFORMATION:

OCCUPANCY TYPE: SMOKEY BONES BBQ RESTAURANT

BUILDING CONSTRUCTION TYPE:

- OCCUPANCY CLASSIFICATION (304)
GROUP A - 2 ASSEMBLY (RESTAURANT)
- CONSTRUCTION TYPE (608)
TYPE VI - UNPROTECTED, SPRINKLERED (EXISTING)
- AREA ALLOWANCES (TABLE 500)

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

TOTAL OCCUPANT LOAD:

FLOOR	OCCUPANCY	AREA	MIN. OCC. LOAD	OCCUPANTS
1	DINING ROOM	3,185 NET SF	TOTAL SEATS	--
1	BUSINESS	1,938 SF	100/PERSON	20
1	WAITING	155 SF	5/PERSON	31
1	WAITING (BAR)	93 SF	5/PERSON	19
				262

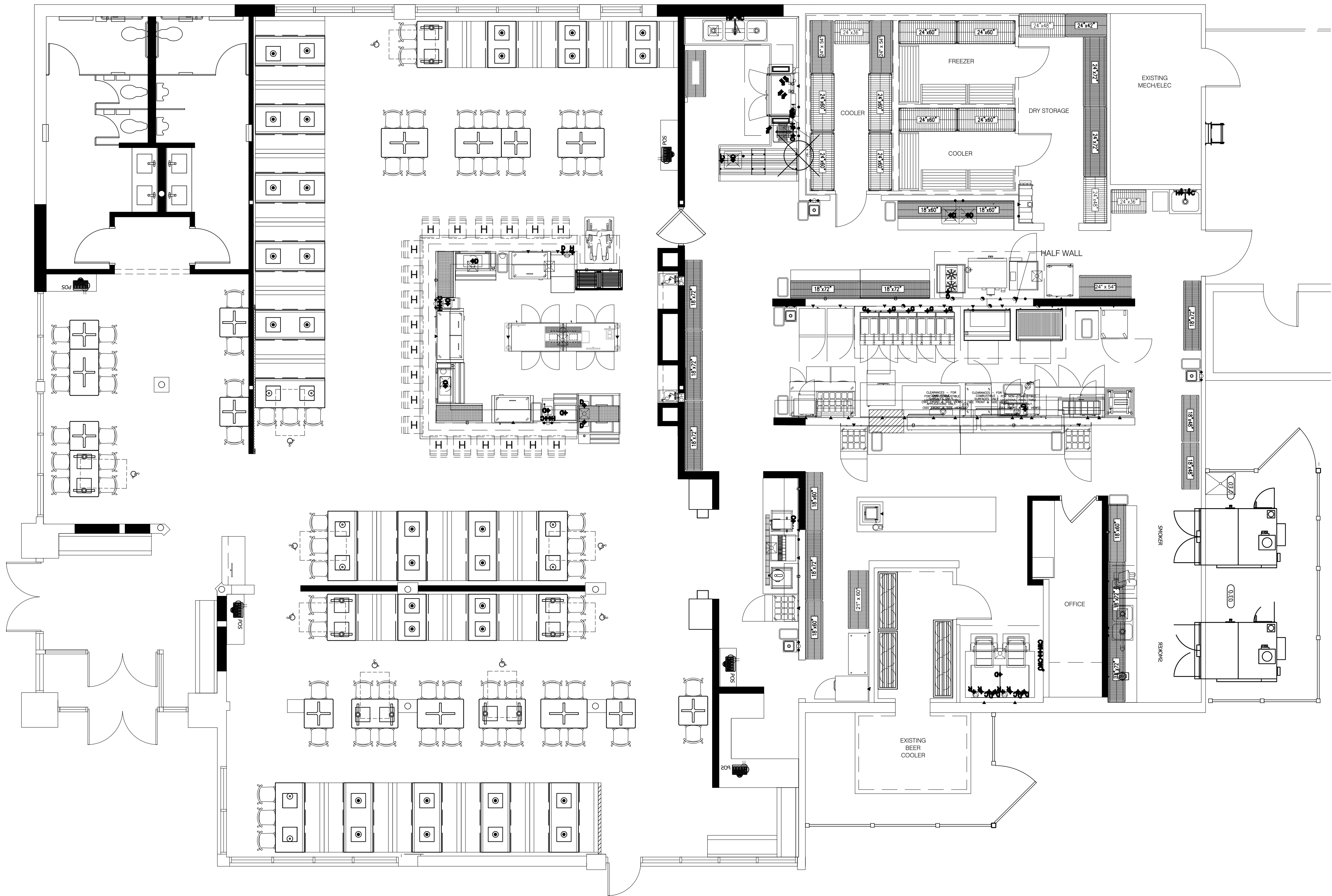
BUILDING USE: RESTAURANT
TRAVEL DISTANCE REQUIRED: 250' MAX.
COMMON PATH REQUIRED: 20' (50 OR MORE OCCUPANTS) / 75' (LESS THAN 50 OCCUPANTS) MAX
DEAD END CORRIDOR: 20' MAX
LEGEND

FIRE ALARM
FIRE ALARM PROVIDED PER THE 2014 INDIANA FIRE PREVENTION CODE

MAIN DINING SEATING & TABLE SCHEDULE

SEATING TYPE:	TABLES	SEATS
ONE'S	21	21
TWO'S	8	16
THREE'S	0	0
FOUR'S	17	68
FIVE'S	0	0
SIX'S	15	90
EIGHT'S	0	0
TOTALS:	61	195

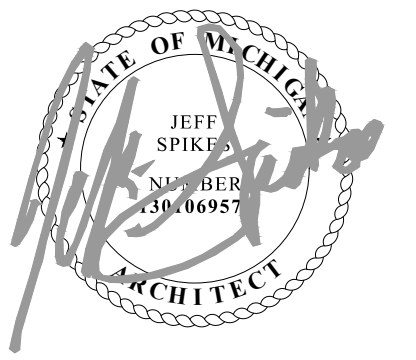
SEATING RATIO:	3.2
5% ACCESSIBLE SEATING: (4 ADA Seats Req. for 51-60 Seats)	9.8
ACCESSIBLE SEATING: (REQUIRED TO ROUND UP)	10



A1 LIFE SAFETY PLAN
SCALE: 3/16" = 1'-0"

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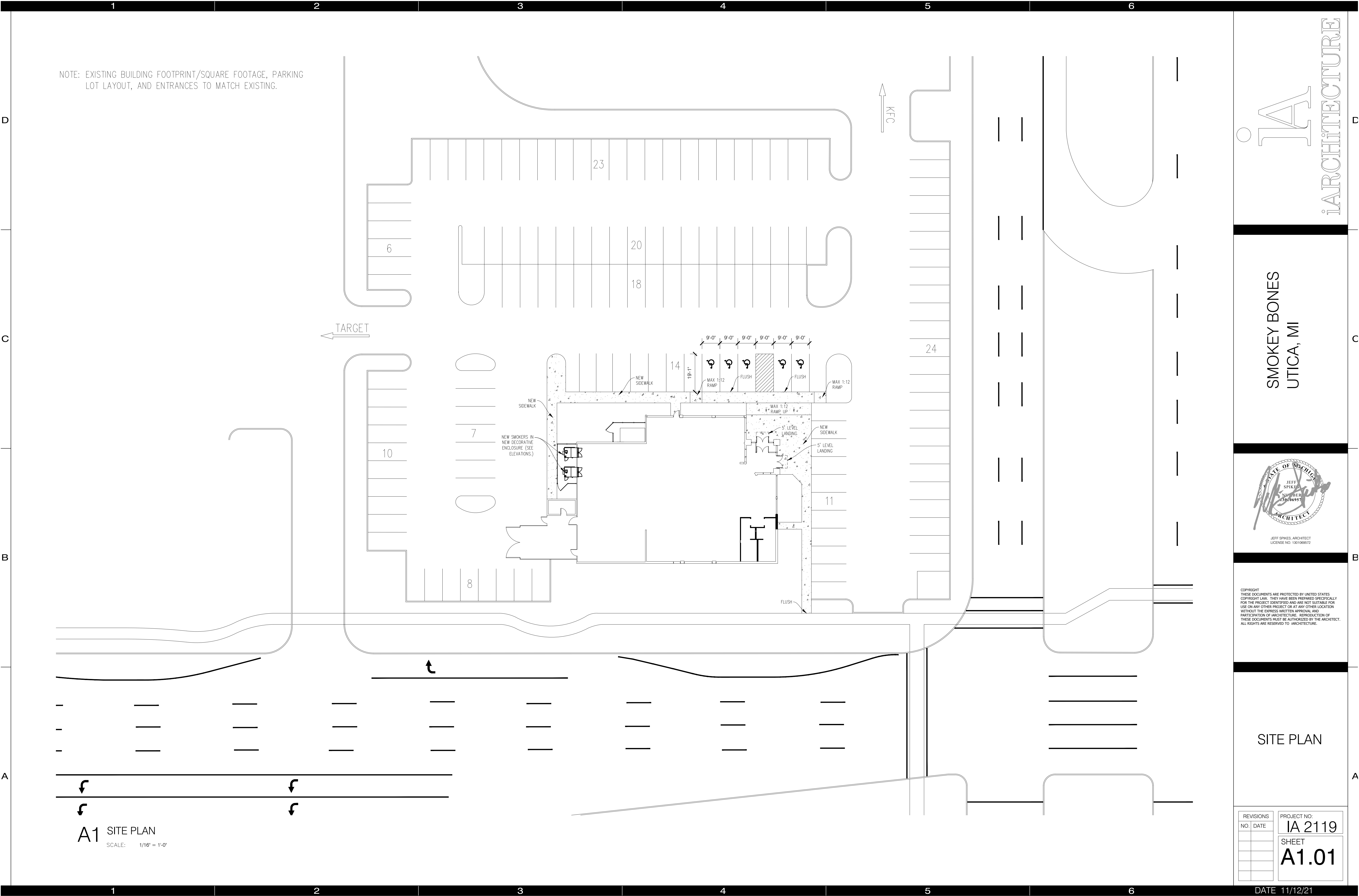


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LIFE SAFETY
PLAN

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NOTE: EXISTING BUILDING FOOTPRINT/SQUARE FOOTAGE, PARKING LOT LAYOUT, AND ENTRANCES TO MATCH EXISTING.

SMOKEY BONES
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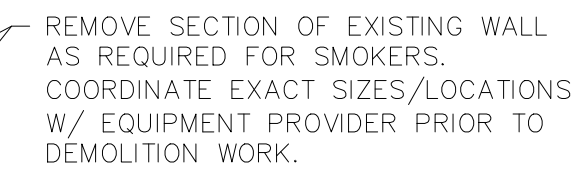


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SITE PLAN

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		A1.01	

- 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.O.
- ALL EXTERIOR FINISHES TO BE REMOVED AS NECESSARY FOR INSTALLATION OF NEW FINISHES.



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

DEMOLITION PLAN KEYNOTES

1. EXISTING RESTROOMS TO BE DEMOLISHED. THIS INCLUDES, BUT IS NOT LIMITED TO, REMOVAL OF ALL EXISTING PLUMBING FIXTURES AND CAPPING OF EXISTING DRAIN LINES (SEE PLUMBING DRAWINGS), ALL EXISTING FLOOR AND WALL FINISHES, EXISTING CEILINGS AND CEILING FIXTURES, EXISTING WALL PARTITIONS, EXISTING MILLWORK, EXISTING DUCTWORK AND MECHANICAL FIXTURES (SEE MECHANICAL DRAWINGS), EXISTING DOORS, AND EXISTING WALLS AS NOTED.
2. ALL EXISTING KITCHEN EQUIPMENT TO BE REMOVED. THIS INCLUDES FREESTANDING EQUIPMENT, HOODS (SEE MECHANICAL DRAWINGS), AND FLOOR OR WALL MOUNTED EQUIPMENT. THIS DOES NOT INCLUDE WALK-IN REFRIGERATORS/COOLERS, UNLESS OTHERWISE NOTED.
3. REMOVE EXISTING ROOF LADDER. EXISTING HATCH DOOR TO REMAIN AND BE LOCKED PRIOR TO BEING COVERED BY NEW CEILING GRID.
4. EXISTING WALL FINISHES TO BE REMOVED AND WALLS TO BE PREPARED FOR INSTALLATION OF NEW WALL FINISHES.
5. EXISTING STRUCTURAL FLOOR AREA TO REMAIN, EXCEPT AS NOTED ON DEMO FLOOR PLAN AND STRUCTURAL DRAWINGS. TYPICAL.
6. REMOVE EXISTING ELEVATOR AND ALL RELATED ELECTRICAL, MECHANICAL, AND HYDRAULIC EQUIPMENT.
7. DEMOLISH EXISTING CONCRETE PLATFORMS/STEM WALLS AS NECESSARY TO BRING FLOOR TO BE FLUSH WITH LOWER LEVEL FLOOR ELEVATIONS.
8. REMOVE EXISTING EXTERIOR FLOOR AREA AND CRAWLSPACE AS NECESSARY TO BRING FLOOR TO BE FLUSH WITH LOWER LEVEL FLOOR ELEVATIONS. THIS INCLUDES EXISTING WOOD AND CONCRETE STRUCTURES, STAIRS, PLATFORMS, ELECTRICAL, MECHANICAL, PLUMBING, AND SPRINKLER.
9. REMOVE EXISTING WALK-IN COOLER/FRENCING.
10. EXISTING ROOF TO BE DEMOLISHED OR BACKED OUT AND COVERED WITH NEW WALL CONSTRUCTION.
11. REMOVE EXISTING WINDOWS AND A PORTION OF EXISTING WALLS AS REQUIRED TO INSTALL NEW WINDOWS FLUSH WITH FINISH FLOOR.
12. REMOVE EXISTING STOREFRONT AND DOOR. PREPARE AREA FOR NEW STOREFRONT INSTALLATION (SEE DOORWORKING DRAW SCHEDULES).
13. REMOVE ALL INTERIOR FINISHES, INCLUDING MILLWORK, INCLUDING (BUT NOT LIMITED TO) FLOORING, WALL FINISHES, CEILING GRID, LIGHT FIXTURES, CEILING ELEMENTS, ETC.
14. REMOVE EXISTING EXTERIOR FINISH BUMPOUTS AS REQUIRED BY EXTENT OF NEW WORK.
15. REMOVE ALL INTERIOR FINISHES AND REPLACE WITH NEW, EXISTING MECHANICAL/ELECTRICAL EQUIPMENT TO BE REMOVED PER MEP DEMO PLAN. SEE MECHANICAL/ELECTRICAL DRAWINGS.
16. REMOVE EXISTING DOOR(S).

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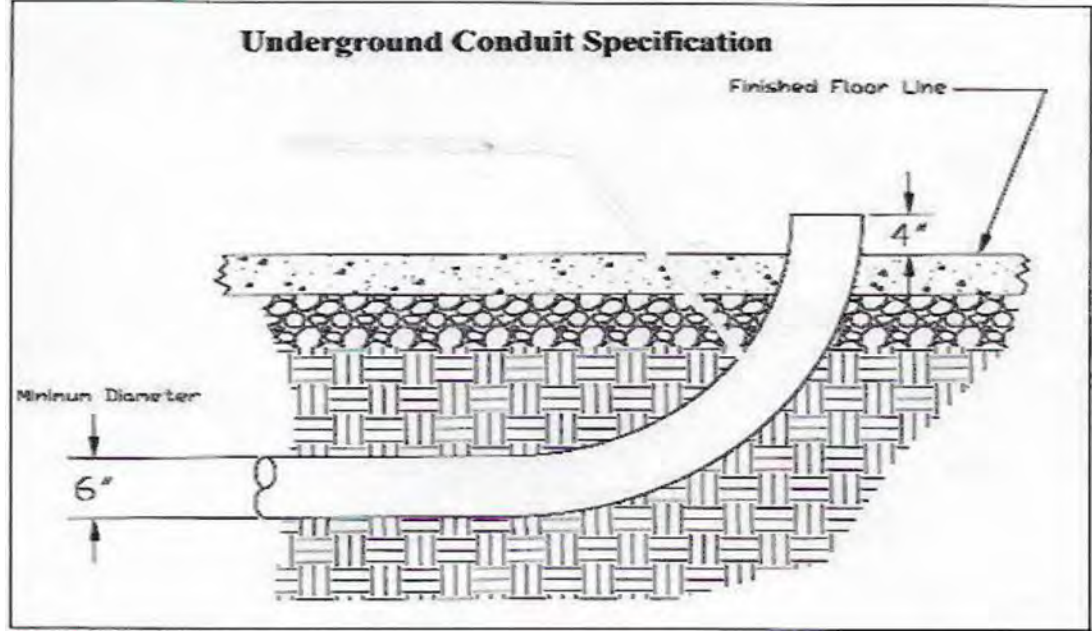
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DEMO FLOOR PLAN

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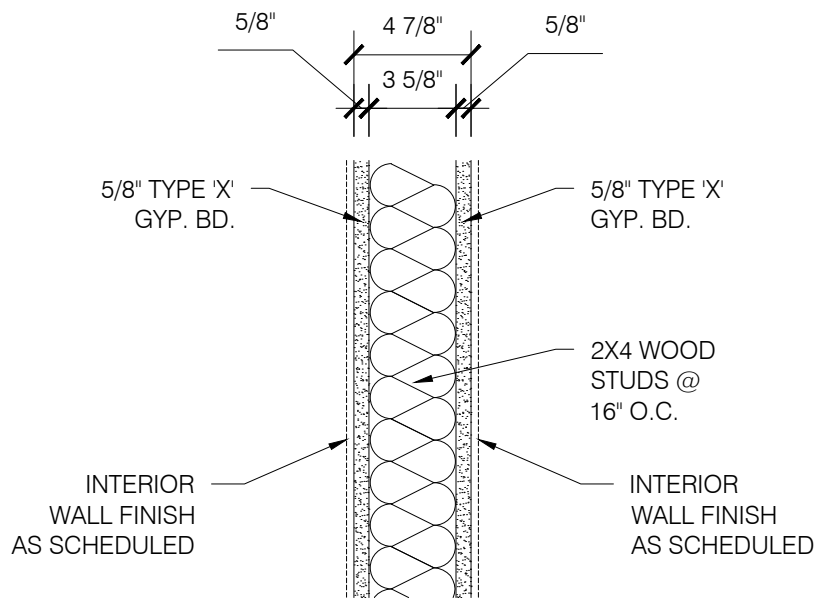
- NOTES:
- HATCHED WALLS DENOTE NEW WALL CONSTRUCTION.
 - KITCHEN TO HAVE ALL NEW WHITE FRP INSTALLED THROUGHOUT.
 - SMOKER ROOM TO HAVE STAINLESS STEEL WALL PANELS INSTALLED INSTEAD OF FRP.
 - MECHANICAL/SPRINKLER ROOM TO HAVE NEW FRP OR APPROVED EQUAL INSTALLED.



D4 UNDERGROUND BEER/SODA CONDUIT DETAIL

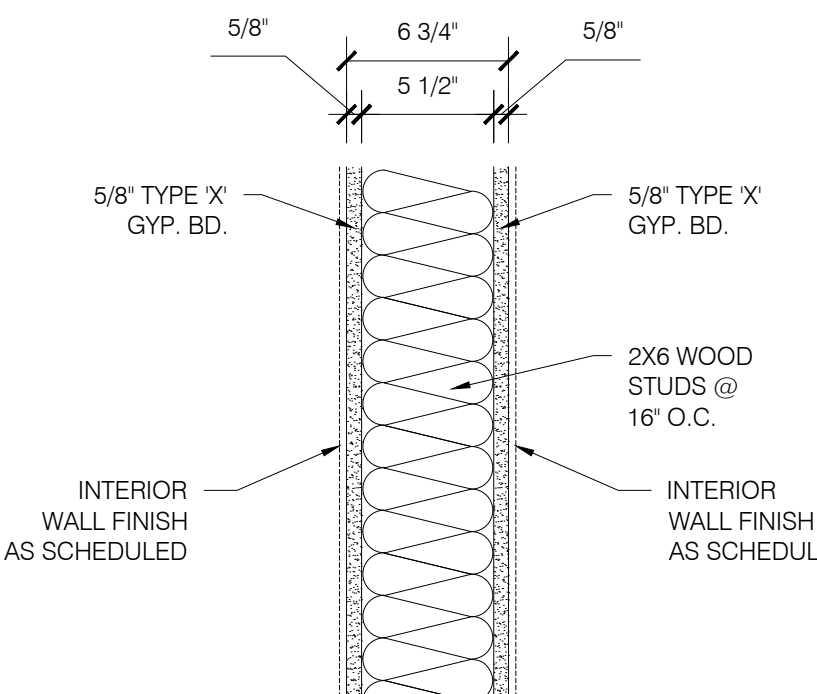
SCALE: N.T.S.

- 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 DIRECTIONS 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.



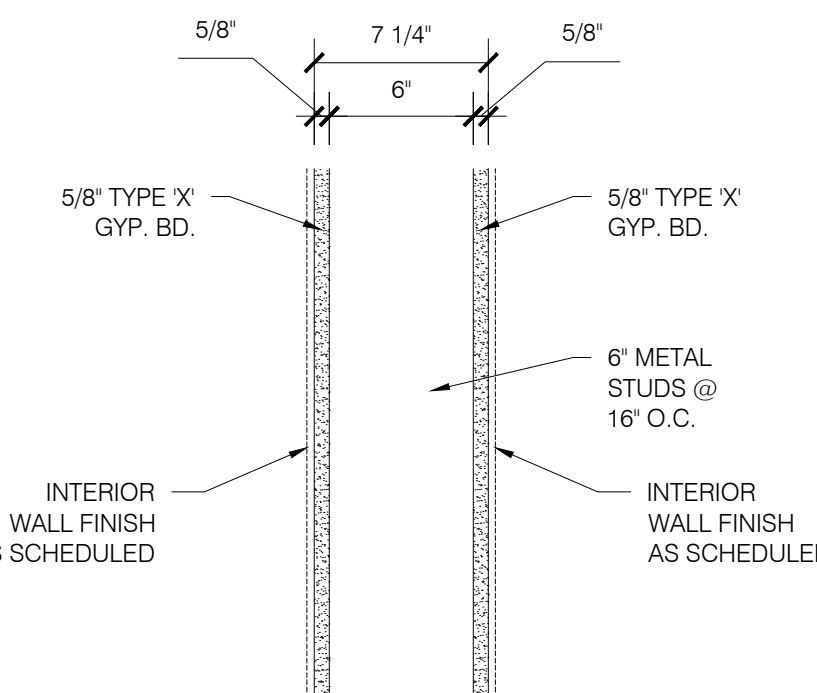
D5 INTERIOR WALL TYPE A

SCALE: 1-1/2" = 1'-0"
TYPICAL UNLESS OTHERWISE NOTED



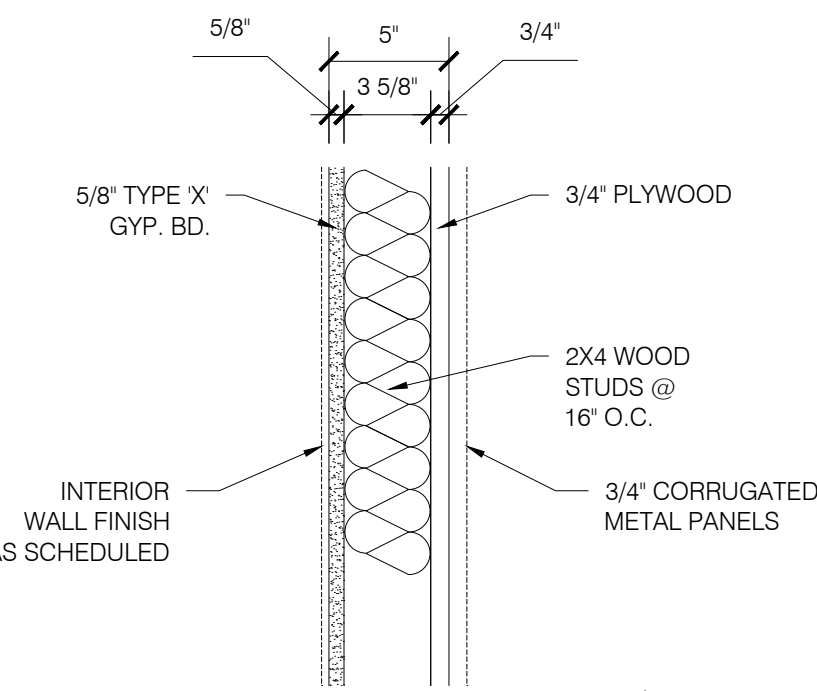
C5 INTERIOR WALL TYPE B

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



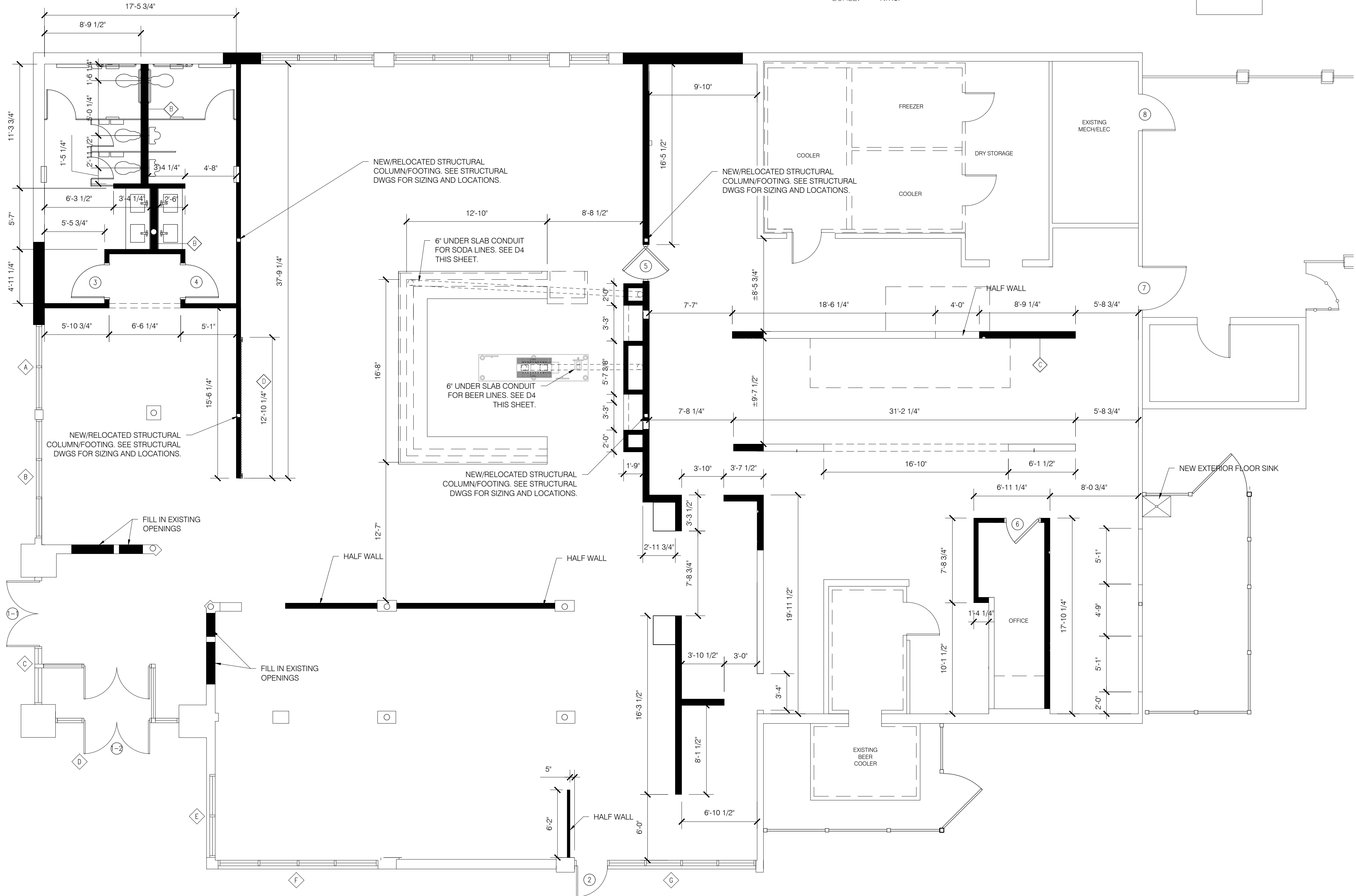
B5 INTERIOR WALL TYPE C

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



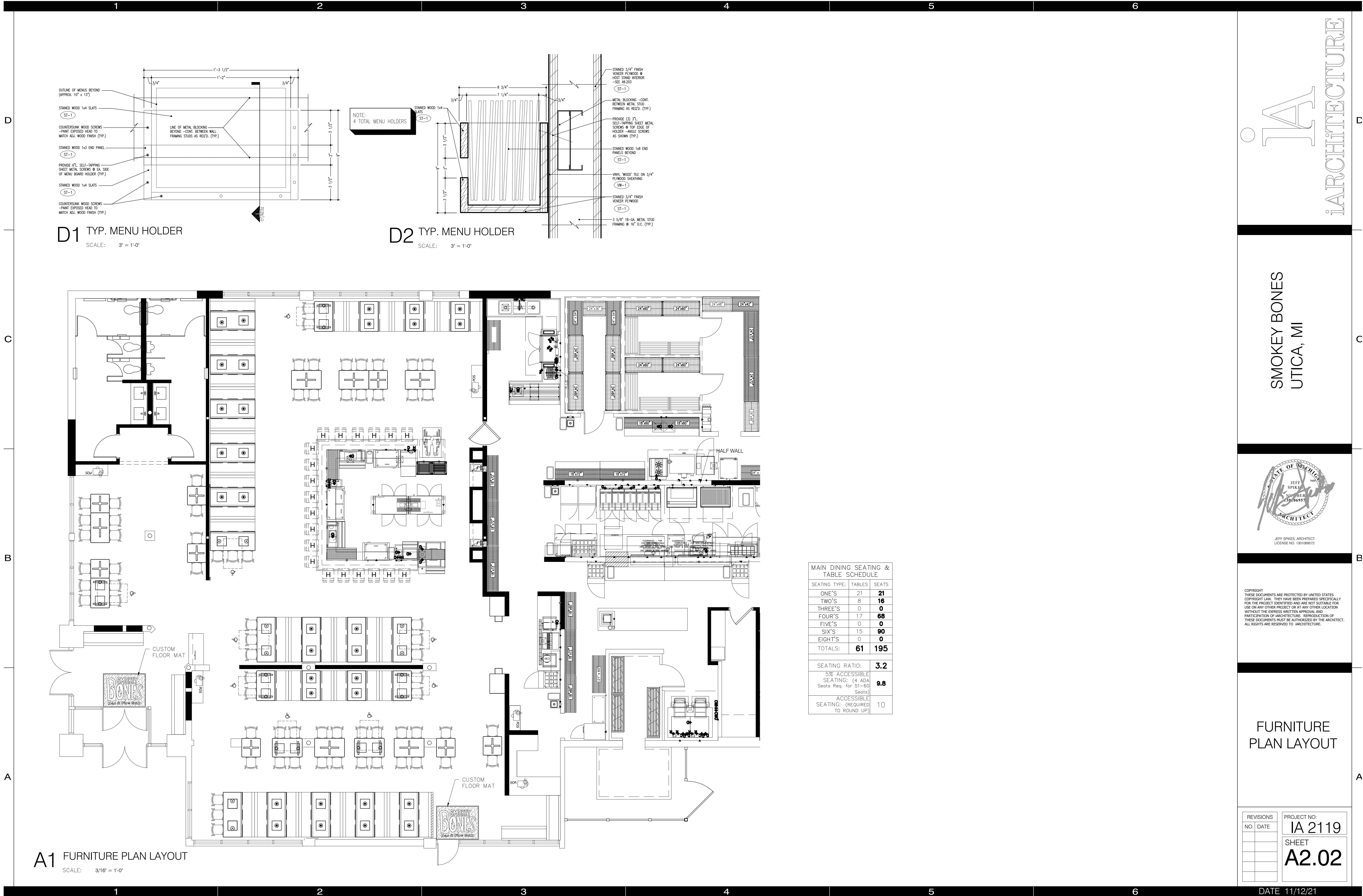
A5 INTERIOR WALL TYPE D

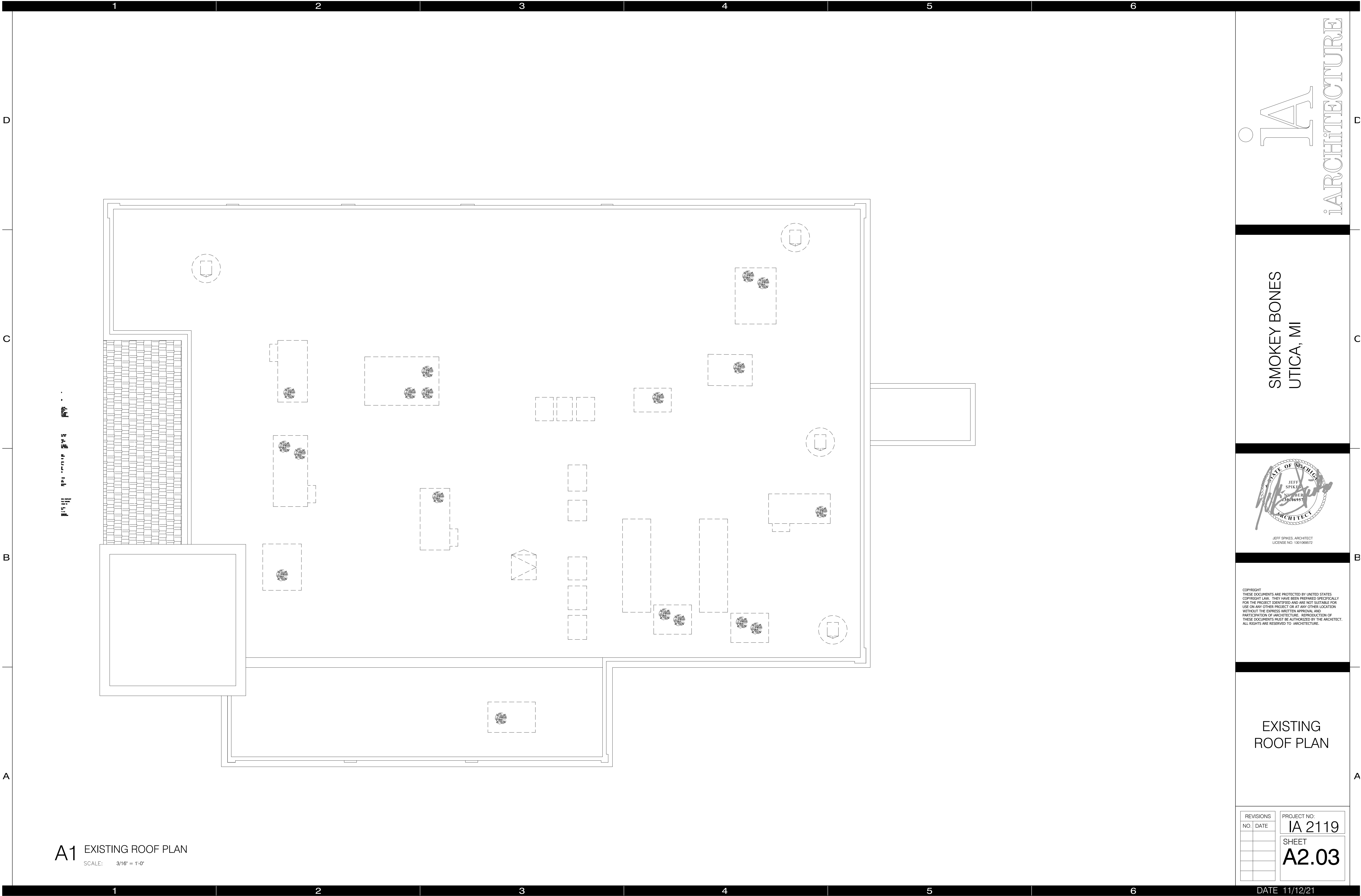
SCALE: 1-1/2" = 1'-0"



A1 FLOOR PLAN

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





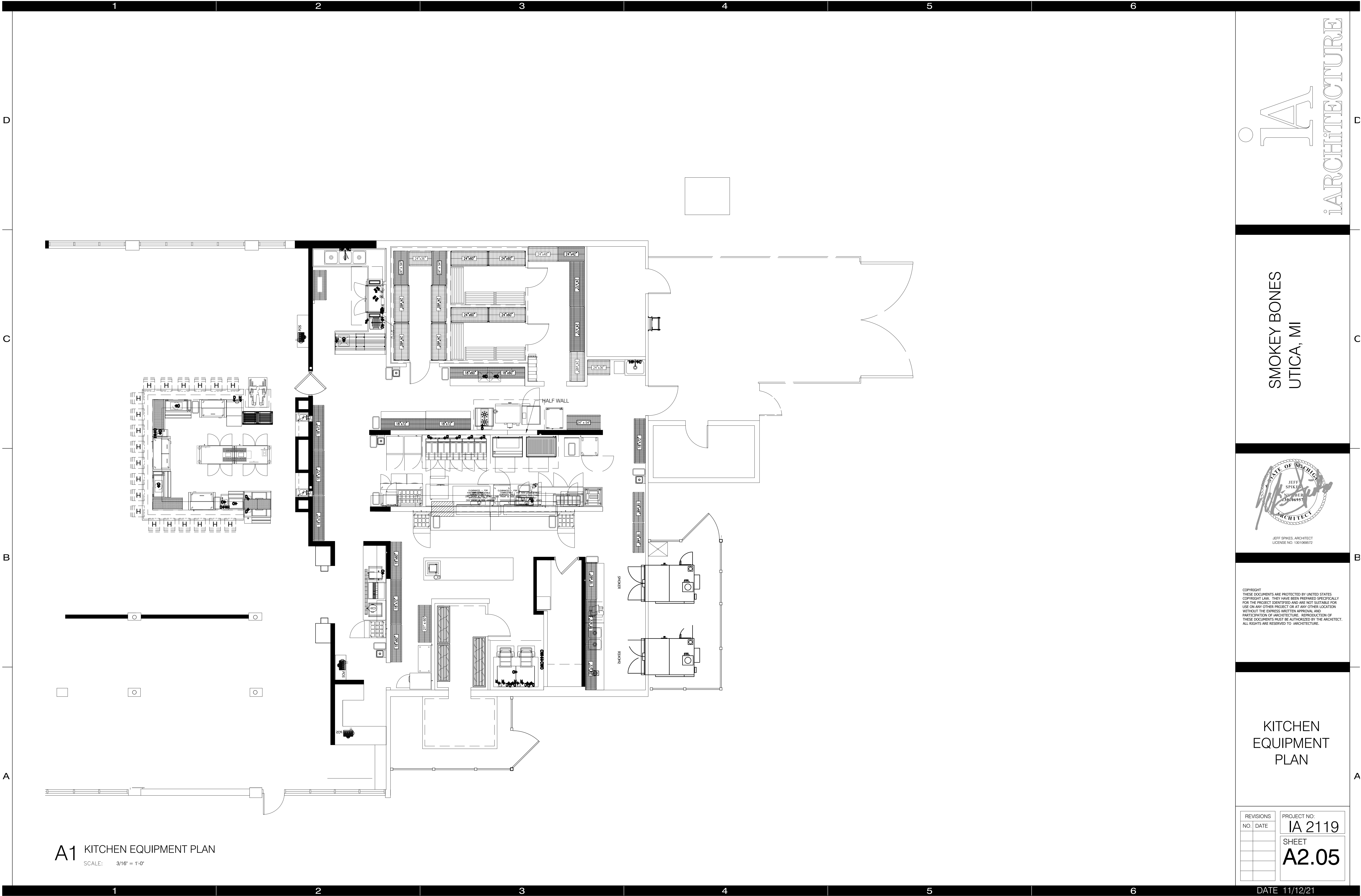
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EXISTING
ROOF PLAN

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A1 KITCHEN EQUIPMENT PLAN

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

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UTICA, MI



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KITCHEN
EQUIPMENT
PLAN

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DATE 11/12/21

ROUGH-IN NOTES

KITCHEN EQUIPMENT ELECTRICAL ROUGH-IN NOTES:

- DOV-PH IS AMP DUPLEX RESP. @ (+40' AFF.) FOR "CONVENIENCE OUTLET".
- DOV-PH IS AMP DUPLEX RESP. @ (+40' AFF.) UNDER BAR FOR "CONVENIENCE OUTLET".
- DOV-PH IS AMP DUPLEX RESP. @ (+72' AFF.) FOR SODA SYSTEM. THIS ITEM IS NOT PART OF THIS CONTRACT AND IS TO BE SUPPLIED AND INSTALLED BY VENDOR. ROUGH-IN SHOWN FOR CONNECTION PURPOSES ONLY.
- DOV-PH 1/3 HP. 4.5 AMP RESP. @ (+40' AFF.) FOR 3ICE MAKER (ITEM #6).
- (2 LOCATIONS) DOV-PH SERVICE @ (+72' AFF.) E.C. TO EXTEND TO ICE MAKER (ITEM #6). (SEE GENERAL NOTES U12.3.14 & D).
- DOV-PH 0.25 AMP SERVICE (VERIFY LOCATION) @ (+40' AFF.) E.C. TO ICE MAKER COMPRESSOR (ITEM #6A).
- DOV-PH 2.0XW 1/3 HP. 7 AMP RESP. @ (+8' AFF.) FOR HEATED PREPping COUNTER (ITEM #5).
- DOV-PH 1 HP. 7 AMP RESP. @ (+8' AFF.) FOR FOOD PROCESSOR (ITEM #2).
- (2 LOCATIONS) DOV-PH 7.7 AMP RESP. @ (+8' & +38' AFF.) FOR DOUBLE DECK CONNECTION (ITEM #4).
- DOV-PH 0.2 AMP RESP. @ (+8' AFF.) FOR REFRIGERATOR (ITEM #2).
- DOV-PH 1/5 HP. 2.66 AMP RESP. @ (+8' AFF.) FOR REFRIGERATED PREP TABLE (ITEM #7).
- DOV-PH 1/4 HP. 5.2 AMP RESP. @ (+8' AFF.) FOR REFRIGERATOR (ITEM #2).
- DOV-PH 1/4 HP. 6.3 AMP RESP. @ (+8' AFF.) FOR FREEZER (ITEM #2).
- (2 LOCATIONS) DOV-PH 17 AMP SERVICE @ (+8' AFF.) E.C. TO EXTEND TO FETTER BATTERY (ITEM #30).
- DOV-PH 1/3 HP. 7 AMP SERVICE @ (+8' AFF.) E.C. TO EXTEND TO FETTER FILTER (ITEM #30).
- DOV-PH 1/3 HP. 7 AMP SERVICE @ (+8' AFF.) E.C. TO EXTEND TO FETTER FILTER (ITEM #30).
- DOV-PH 2.92 KW 18.5 AMP RESP. @ (+8' AFF.) FOR HEATED CABINET (ITEM #3).
- (2 LOCATIONS) DOV-PH 1/5 HP. 2.5 AMP RESP. @ (+8' AFF.) FOR REFRIGERATED EQUIPMENT (ITEM #3).
- DOV-PH 3.6 KW SERVICE @ (+8' AFF.) E.C. TO EXTEND TO CHEESEMELTER (ITEM #43). (SEE GENERAL NOTES U12.3.14 & D).
- DOV-PH 7.6 KW 0.5 AMP SERVICE @ (+40' AFF.) E.C. TO EXTEND TO CONNECTOR TOASTER (ITEM #38).
- (3 LOCATIONS) DOV-PH 3 KW 20 AMP RESP. @ (+72' AFF.) FOR MICROWAVE OVEN (ITEM #40).
- DOV-PH 1/3 HP. 6.1 AMP RESP. @ (+8' AFF.) FOR REFRIGERATED PREP TABLE (ITEM #4).
- DOV-PH 165 KW 0.75 AMP SERVICE @ (+24' AFF.) E.C. TO EXTEND TO HOT FOOD WEL (ITEM #42).
- (2 LOCATIONS) DOV-PH 35 KW SERVICE @ (+72' AFF.) E.C. TO EXTEND TO OVERHEAD HEAT LAMP (ITEM #43).
- DOV-PH 162 KW 1.1 AMP RESP. @ (+8' AFF.) FOR SODA DISPENSER (ITEM #44).
- DOV-PH 1.432 KW SERVICE @ (+72' AFF.) E.C. TO EXTEND TO OVERHEAD HEAT LAMP (ITEM #45).
- DOV-PH 1.381 KW SERVICE @ (+72' AFF.) E.C. TO EXTEND TO OVERHEAD HEAT LAMP (ITEM #45).
- DOV-PH .75 KW 0.8 AMP RESP. @ (+24' AFF.) FOR WASHING DRAINER (ITEM #46).
- DOV-PH 3.6 KW SERVICE @ (+40' AFF.) E.C. TO EXTEND TO CHEESEMELTER (ITEM #43). (SEE GENERAL NOTES U12.3.14 & D).
- DOV-PH 1/3 HP. 6.1 AMP RESP. @ (+8' AFF.) FOR REFRIGERATED PREP TABLE (ITEM #50).
- (STUD-UP) DOV-PH 1 KW 1 AMP FLUSH MOUNTED RESP. FOR DIPPER WELL (ITEM #54).
- (STUD-UP) DOV-PH 1/4 HP. 3.5 AMP FLUSH MOUNTED RESP. FOR ICE CREAM PIPPING COUNTER (ITEM #56).
- DOV-PH 1/4 HP. 5.2 AMP RESP. @ (+8' AFF.) FOR REFRIGERATOR (ITEM #49).
- DOV-PH 1/5 HP. 2.66 AMP RESP. @ (+8' AFF.) FOR REFRIGERATED PREP TABLE (ITEM #54).
- DOV-PH 167 KW 1 AMP SERVICE @ (+40' AFF.) E.C. TO EXTEND TO CORFEE MAKER (ITEM #67). (SEE GENERAL NOTES U12.3.14 & D). ROUGH-IN SHOWN ARE FOR CONNECTION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.
- DOV-PH 1 AMP RESP. @ (+40' AFF.) FOR SODA DISPENSER (ITEM #68). ROUGH-IN SHOWN ARE FOR CONNECTION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.
- DOV-PH 2.75 W 2 AMP @ (+40' AFF.) E.C. TO EXTEND TO DISMASHING (ITEM #69) TANK HEAT. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.
- (ROOF FROM ABOVE) DOV-PH IS AMP SERVICE TO (+8' AFF.) E.C. TO CONNECT TO JUNCTION BOX ON TOP OF WALK-IN COOLER (ITEM #74). E.C. TO EXTEND FROM JUNCTION BOX TO K.E.C. HANGARIED LIGHTS AS REQUIRED. THE LIGHT DISCONNECTS OR LIGHTS TO BE USED IN CONNECTION WITH MANUFACTURERS' SPECIFICATIONS AND SHALL PERMITRICE DROUT HEAT (SEE GENERAL NOTES 2.0 & 7.0). E.C. TO PROVIDE AND EXTEND ALL FINAL ELECTRICAL, HOLES AND DISCONNECTS. ALL WIRING AND CABLES SHALL BE INSTALLED ABOVE AND ON THE OUTSIDE OF THE LIGHT DISCONNECTS. THE WIRING SHALL BE CABLED AND BE EQUIPPED WITH "SAL-OF-50" AND SHALL WITH-SUBORDINATE AT EACH JUNCTION BOX. K.E.C. SHALL PROVIDE E.C. WITH A SUFFICIENT NUMBER OF LIGHT FIXTURES TO PROVIDE A MINIMUM OF SEVENTY (70) FOOT COUNCILS OF LIGHT INTENSITY MEASURED AT 30' AFF. AT ANY POINT IN THE CONVENIENCE. APPROXIMATELY (10) FOOT DUAL LIGHT FIXTURE PER FIFTY (50) SQUARE FEET NOT INCLUDING LIGHT FIXTURE ABOVE ROOF.
- DOV-PH 1.432 KW 1 AMP SERVICE TO (+8' AFF.) WALK-IN COOLER COOL (ITEM #74). E.C. TO RUN CABLE FROM WIRE FROM COOLER COOL (ITEM #74) TO THERMOSTAT ON COOLER COMPRESSORS (ITEM #70). E.C. TO FIELD VERIFY LOCATION. (SEE GENERAL NOTES 2.0 & 7.0).
- DOV-PH 1/2 HP. 5.7 AMP SERVICE TO WALK-IN COOLER COMPRESSOR (ITEM #70). E.C. TO EXTEND TO K.E.C. HANGARIED FUSED DISCONNECT SWITCH E.C. TO FIELD VERIFY LOCATION. (SEE GENERAL NOTES 2.0 & 7.0).
- DAE ELECTRICAL, ROUGH-IN NOTES.
- (2 LOCATIONS) DOV-PH 1/5 HP. 5.4 AMP RESP. @ (+8' AFF.) FOR BOTTLE COOLER (ITEM #86).
- DOV-PH 1/5 HP. 0 AMP RESP. @ (+8' AFF.) FOR BOTTLE COOLER (ITEM #86).
- (LOCATIONS) (STUD-UP) DOV-PH 1/4 HP. 3.7 AMP FLUSH MOUNTED RESP. FOR BACK BAR COOLER (ITEM #85).
- DOV-PH 1 HP. 2 AMP RESP. @ (+24' AFF.) FOR CLASS WASH (ITEM #84). ROUGH-IN SHOWN ARE FOR CONNECTION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.

- 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:

- 3/4" NPT 100000 BTU SERVICE (0.24" AFF.) P.C. TO EXTEND TO DOUBLE DECK CONNECTION OVER MANHOLE (ITEM #14). THRU F.F.E.C. FURNISHED OIL DISCONNECT.
- C05 3/4" NPT 50000 BTU SERVICE (0.24" AFF.) P.C. TO EXTEND TO REHEAT/HEATIZER (ITEM #15). THRU F.F.E.C. FURNISHED OIL DISCONNECT.
- C06 3/4" NPT 52000 BTU SERVICE (0.24" AFF.) P.C. TO EXTEND TO HOT PLATE (ITEM #16). THRU F.F.E.C. FURNISHED OIL DISCONNECT.
- C30 1/4" NPT UNGROUNDED 525000 BTU SERVICE (0.24" AFF.) P.C. TO EXTEND TO FRYER DARTTRY (ITEM #30).
- C34 3/4" NPT UNGROUNDED BTU SERVICE (0.24" AFF.) P.C. TO EXTEND TO CHOCOLATEUR (ITEM #34). THRU F.F.E.C. FURNISHED OIL DISCONNECT.
- C35 3/4" NPT 100000 BTU SERVICE (0.24" AFF.) P.C. TO EXTEND TO GRIDDLE (ITEM #35). THRU F.F.E.C. FURNISHED OIL DISCONNECT.
- P91 1/2" COLD WATER (0.46" AFF.) P.C. FOR SOA SYSTEM. ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.
- P91A FLOOR DRAIN FOR SOA SYSTEM. ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.
- P1 (4 LOCATIONS) 1/2" DO DEC. HOT AND COLD WATER (0.48" AFF.) P.C. TO EXTEND TO FAUCET MOUNTED ON HAND SINK (ITEM #1).
- PW (4 LOCATIONS) 1-1/2" WASTE (0.49" AFF.) P.C. TO EXTEND DRAIN FROM HAND SINK (ITEM #1) TO THIS POINT.
- P6 1/2" COLD WATER (0.46" AFF.) P.C. TO EXTEND TO ICE MACHINE (ITEM #6). THRU F.F.E.C. FURNISHED WATER FILTER.
- P7 1/2" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM ICE BIN (ITEM #6) TO THIS POINT. (SEE GENERAL NOTE 4).
- P7 1/2" HOT AND COLD WATER (0.48" AFF.) P.C. TO EXTEND TO FAUCET MOUNTED ON PREP TABLE (ITEM #7).
- P7A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANHOLE DRAIN LINES FROM 2 COMPARTMENT SINK (ITEM #7) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).
- P8 1/2" HOT AND COLD WATER (0.48" AFF.) P.C. TO EXTEND TO WALL MOUNTED FAUCET FOR MOP SINK (ITEM #8).
- P1A (STUD-UP) 3" WASTE TRAPPED BELOW FLOOR. P.C. TO EXTEND TO DRAIN IN MOP SINK.
- P92 1/2" COLD WATER (0.46" AFF.) P.C. TO EXTEND TO REHEAT/HEATIZER (ITEM #15).
- P10 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM REHEAT/HEATIZER (ITEM #15) TO THIS POINT. (SEE GENERAL NOTE 4).
- P42 1/2" COLD WATER (0.46" AFF.) P.C. TO EXTEND DRAIN LINE FROM HOT FOOD WELL (ITEM #42) TO THIS POINT. (SEE GENERAL NOTE 4).
- P56 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM ICE CREAM DIPPING CABINET (ITEM #56) TO THIS POINT. (SEE GENERAL NOTE 4).
- P60 1/2" COLD WATER (0.46" AFF.) P.C. TO EXTEND TO SUBSIDY DISHWASHER (ITEM #60). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.
- P60A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM SOA DISHWASHER (ITEM #60) TO THIS POINT. ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER. P.C. TO EXTEND DRAIN LINE FROM TROUGH DRAIN BEVERAGE TABLE (ITEM #60) TO THIS POINT. (SEE GENERAL NOTE 4).
- P67 1/2" COLD WATER (0.46" AFF.) P.C. TO EXTEND TO COFFEE BREWER (ITEM #67). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.
- P73 1/2" HOT AND COLD WATER (0.48" AFF.) P.C. TO EXTEND TO FAUCET MOUNTED ON PREP TABLE SINK (ITEM #73).
- P73A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANHOLE (2) DRAIN LINES FROM PREP TABLE SINK (ITEM #73) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).
- P76 1/2" HOT AND COLD WATER (0.48" AFF.) P.C. TO EXTEND TO FAUCET MOUNTED ON SOILED DISHWASHER (ITEM #76).
- P76A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM SOILED DISHWASHER (ITEM #76) TO THIS POINT. (SEE GENERAL NOTE 4).
- P78 1/2" HOT WATER (0.50" AFF.) P.C. TO EXTEND TO DISHWASHER (ITEM #78).
- P78A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM SOILED DISHWASHER (ITEM #78). P.C. TO EXTEND DRAIN LINE FROM SINK (ITEM #78) TO THIS POINT. (SEE GENERAL NOTE 4).
- P80 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANHOLE (3) DRAIN LINES FROM POT AND PAN SINK (ITEM #80) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).
- P81 1/2" HOT AND COLD WATER (0.48" AFF.) P.C. TO EXTEND TO FAUCET MOUNTED ON POT AND PAN SINK (ITEM #80).
- P82 (STUD-UP) 1/2" COLD WATER. P.C. TO EXTEND TO SINK. SINK FAUCET (ITEM #82) MOUNTED ON SOILED DISHWASHER (ITEM #76).
- D4E EQUIPMENT PLUMBING RACK-IN NOTES:
- (2 LOCATIONS) (STUD-UP) P.C. QWAS FOR SOA LINES. ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.
- B1 (STUD-UP) 6" PVC CHASE FOR REAR LINES. ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.
- P17 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM PASS-THRU COCTAIL STATION (ITEM #17) TO THIS POINT. (SEE GENERAL NOTE 4).
- P22 (2 LOCATIONS) 1/2" DO DEC. HOT AND COLD WATER (0.48" AFF.) P.C. TO EXTEND TO UNDERBAR HAND SINK (ITEM #2).
- P2 (2 LOCATIONS) 1-1/2" WASTE (0.49" AFF.) P.C. TO EXTEND TO UNDERBAR HAND SINK (ITEM #2).
- P27 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM UNDERBAR SINK (ITEM #27) TO THIS POINT. (SEE GENERAL NOTE 4).
- P49 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM UNDERBAR ICE BIN (ITEM #49) TO THIS POINT. (SEE GENERAL NOTE 4).
- P17 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM DEEP TROUGH MOUNTED ON BACK BAR COOLER (ITEM #17) TO THIS POINT. (SEE GENERAL NOTE 4).
- P49 1/2" HOT WATER (0.48" AFF.) P.C. TO EXTEND TO GLASS WASHER (ITEM #49). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.
- P49A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM GLASS WASHER (ITEM #49) TO THIS POINT. (SEE GENERAL NOTE 4).
- P49A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM GLASS WASHER (ITEM #49) TO THIS POINT. (SEE GENERAL NOTE 4).

GENERAL NOTES

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|--|---|
| ALL ELECTRICAL RECEPTABLES & JUNCTION BOXES SHOWN ARE RATIO IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S SPECIFICATIONS. | 14. ALL ELECTRICAL AMPERAGE NOTED INDICATES AMP DRAWN & NOT CIRCUIT BREAKER SIZE. UNLESS OTHERWISE NOTED. E.G. TO PROVIDE FOR PROPER CIRCUIT BREAKER SIZING. |
| ELECTRICAL SHOWN FOR FOOD SERVICE EQUIPMENT ONLY. ELECTRICAL SERVICES REQUIRED FOR ROOM LIGHTING, COMMUNICATIONS OUTLETS, & ETC. TO BE ADDITIONAL. | 15. E.G. TO PROVIDE & INSTALL GRAND FANLT RECEPTABLE OR HARNISH GRAND FANLT CIRCUIT BREAKER AT EACH KITCHEN & SERVICE AREA TO PROTECT THE KITCHENS. |
| P.C. TO IDENTIFY WALLS, VACUUM BREAKERS, SELECTED VALVES, SPENT KINGS & DEPOSITS (FURNISHED BY F.F.E.C.). | 16. FLOORS IN KITCHEN & SERVICE AREAS TO BE "TRAVERS" LEVEL". DO NOT SLOPE FLOOR TO FLOOR DRAINS IN THESE AREAS. |
| P.C. TO HARNISH & INSTALL ALL TAILPIPS, TRAPS, SHUT-OFFS, FLOOR VENTS, FLOOR DRAINS & FLOOR SINKS AS REQUIRED. | 17. HVAC. TO COOL, HEAT &/OR VENTILATE FOOD SERVICE/STOCK STORAGE ROOM TO MAINTAIN A TEMPERATURE OF 68 DEGREES TO 72 DEGREES YEAR AROUND. |
| ALL HOT WATER IS TO DEGREE UNLESS OTHERWISE NOTED. | 18. C.C. TO HARNISH & INSTALL COLD ENCLOSE SHUT AS REQUIRED BY CODE FOR EXHAUST FLOW EXHAUST DUCT. |
| FLOOR DRAINS SHOWN ARE FOR FOOD SERVICE EQUIPMENT ONLY. FLOOR DRAINS REQUIRED FOR GENERAL CLEANING & CODE REQUIREMENTS TO BE ADDITIONAL. | 19. VENTILATION SHOWN IS FOR FOOD SERVICE EQUIPMENT ONLY. HVAC. TO PROVIDE FOR AIR DISTRIBUTION IN FOOD SERVICE AREA AS REQUIRED. |
| THIS DRAWING IS TO BE USED AS A GUIDE FOR FOOD SERVICE EQUIPMENT ELECTRICAL, PLUMBING & MECHANICAL. ALL WORK TO BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS FOR MECHANICAL WORK TO BE INSTALLED IN ACCORDANCE WITH ALL FEDERAL, STATE & LOCAL CODES. | 20. C.C. TO HARNISH & INSTALL ALL SLEEVES/THRU WALLS AS REQUIRED FOR P.F.F.C. TO RUN REFRIGERATION LINES FROM WALK-IN COOLERS/PRESSURE CLOSERS TO WALK-IN COOLERS/PRESSURE CLOSURES. SLEAVES TO BE PROVIDED TO PROVIDE A TIGHT SEAL. SLEAVES TO BE PROVIDED FOR ALL CONCRETE SLABS REQUIRED FOR WALK-IN COOLERS/PRESSURE COMPRESSORS AS LOCATED BY THE ARCHITECT. |
| ALL DIMENSIONS ARE FROM FINISHED SURFACES TO CENTER LINE OF SPOT LOCATION UNLESS OTHERWISE NOTED. | 21. C.C. TO EXTEND & PROVIDE ALL FINAL ELECTRICAL WORK UP & DOWNSPANS & INSTALL LIGHTS & SLEAVES/THRU WALLS AS REQUIRED TO PROVIDE SLEAVES AT EACH COUNTRY ENTRANCE & SEAL WITH SILICONE AT EACH JUNCTION R.O. |
| ALL FOOD SERVICE EQUIPMENT SHALL BE FABRICATED & INSTALLED IN STRICT ACCORDANCE WITH THE NATIONAL SANITATION FOUNDATION (NSF) & IN CONJUNCTION WITH STATE & LOCAL CODES. | 22. E.G. TO PROVIDE & INSTALL SHANT RENT DEBRISERS FOR ALL ELECTRICAL SERVICE TO EQUIPMENT UNDER EXHAUST HOODS. |
| ALL WALL RECEPTABLES TO BE PLUMB HOUNDED UNLESS OTHERWISE NOTED. | 23. P.C. TO PROVIDE & INSTALL ALL D.P. & P. OF FLOOR SINKS WITH WAMP FANS. ALL FLOOR SINKS TO BE MOUNTED IN FLOOR SLUGS JUNT TO THE FLOOR ON WALL BE FLUSH WITH FINISHED FLOOR ELEVATION. FLOOR SINKS ALSO TO SERVE AS WAMP FLOOR DRAINS. |
| ALL FOOD SERVICE EQUIPMENT WITH DIRECT ELECTRICAL CONNECTION MUST BE IN LINE SIGHT WITH ELECTRICAL DISTRIBUTION PANEL, OR HAVE A FUSED CUTOFF DISCONNECT FURNISHED & INSTALLED BY E.C. E.G. TO FIELD WIRING WERE REQUIRED. | 24. ALL WALL LINES MOUNTED ALONG EXTERIOR WALLS ARE TO STUPED-UP ALONG THE INTERIOR FACE OF THE WALL TO AVOID POTENTIAL FREEZING UNLESS OTHERWISE NOTED. |
| ALL SPOT LOCATIONS ARE SHOWN WHERE THEY ARE TO BE LOCATED ON EACH SIDE OF WALL. PERMANENT PLUMBING & ELECTRICAL SERVICE SHOULD BE REQUIRED IN AN CENTER LINE OF WALL. | |
| E.C. TO PROVIDE GRADING WERE TO ALL FOOD SERVICE EQUIPMENT IN ADDITION TO THE WALLS & WERE NOTED. | |

ABBREVIATIONS

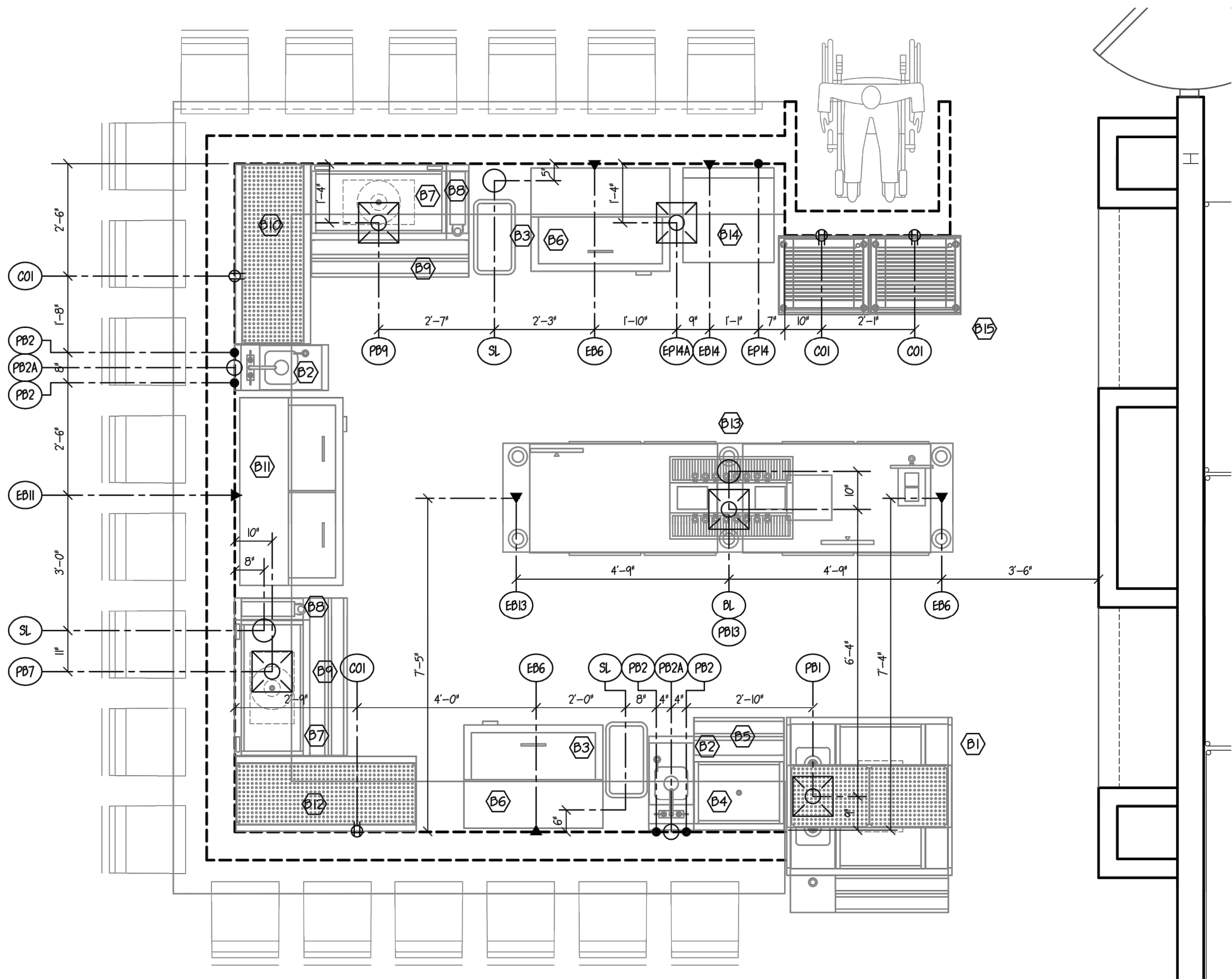
A.F.F.	ABOVE FINISHED FLOOR
D.F.A.	DROP FROM ABOVE
AMPS	AMPERAGE
KW	KILOWATTS
V	VOLTS
PH	PHASE
H.P.	HORSE POWER
EPS	EMERGENCY PULL STATION
F.F.E.C.	FOODSERVICE FACILITY EQUIPMENT CONTRACTOR
G.C.	GENERAL CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR

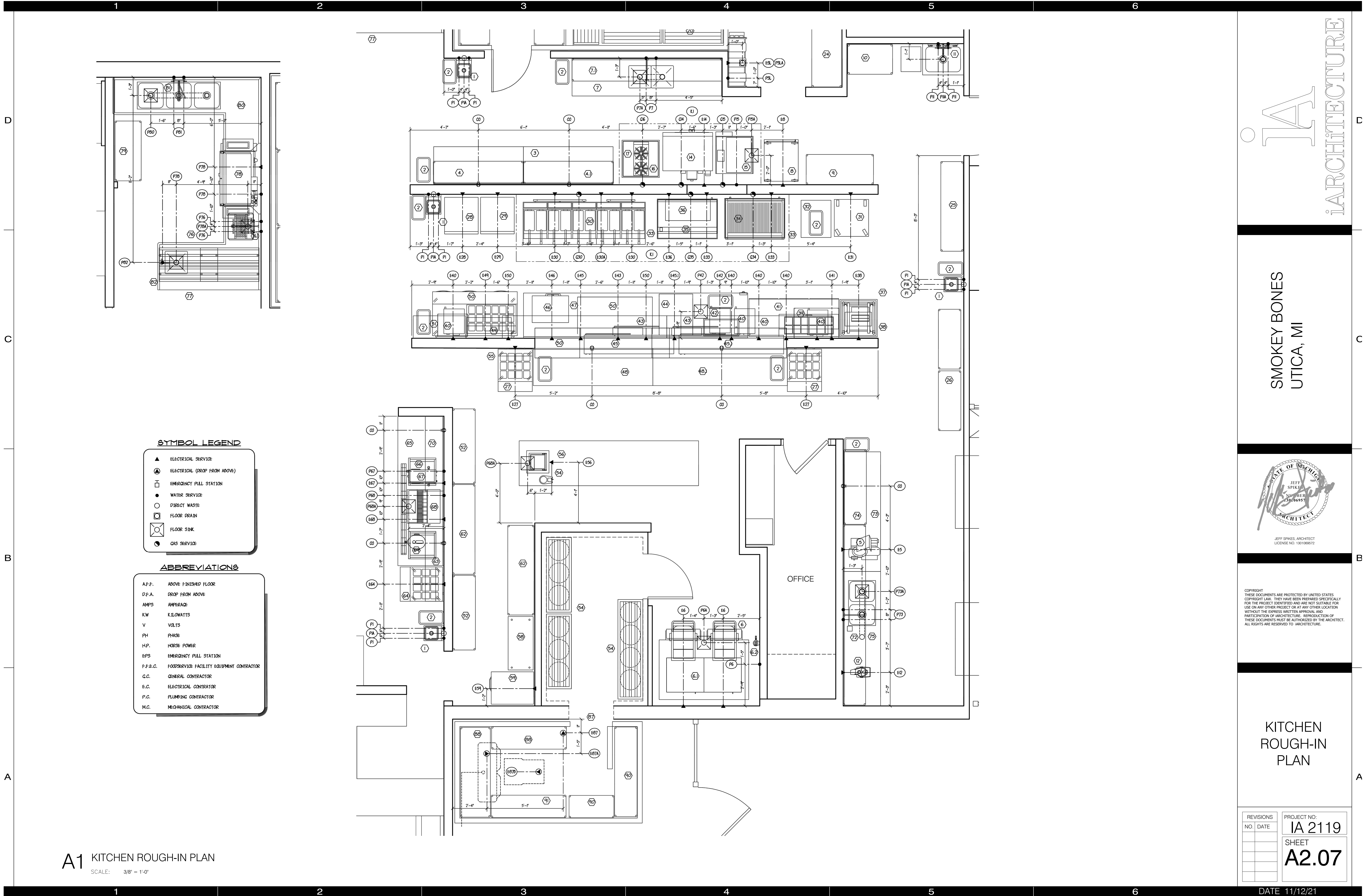
SYMBOL LEGEND

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

R1 BAR ROUGH-IN PLAN

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

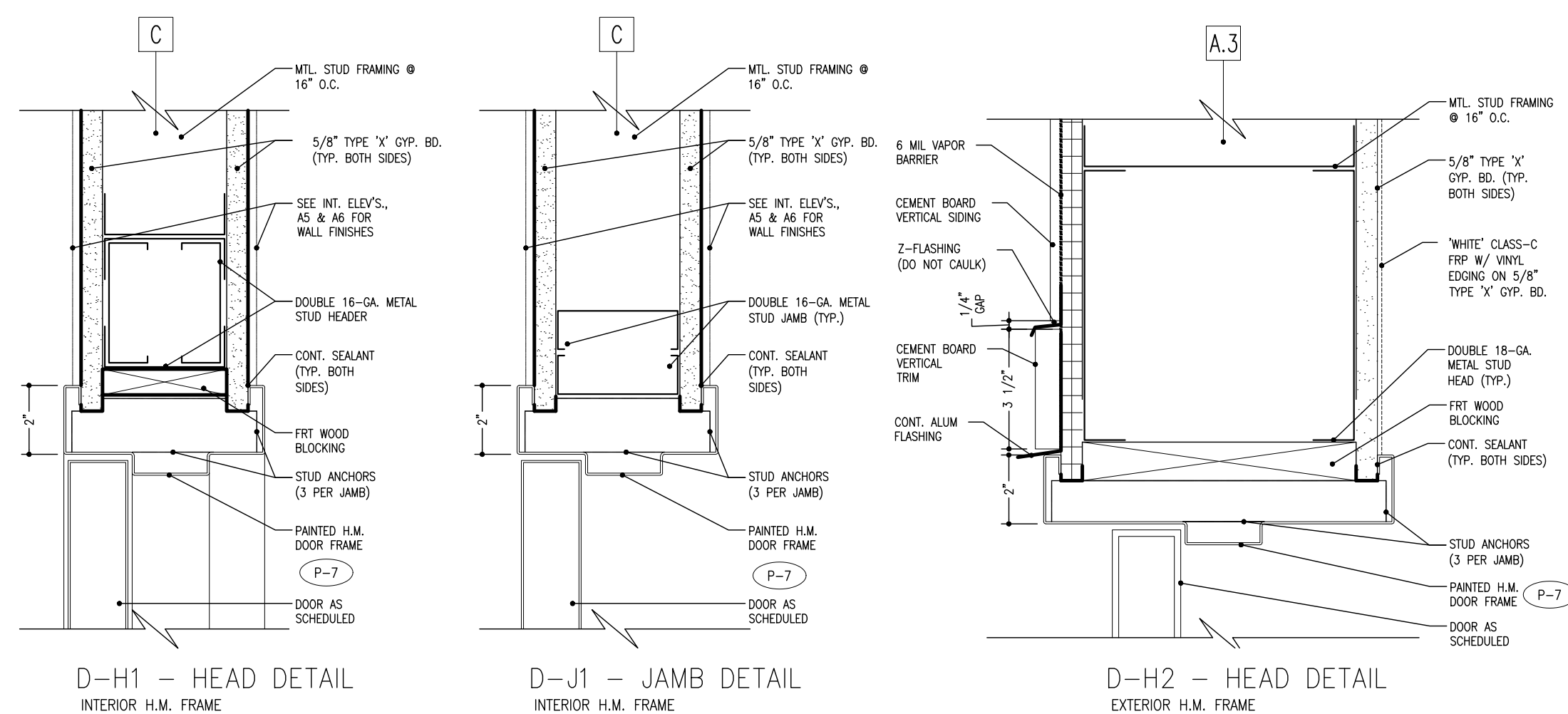




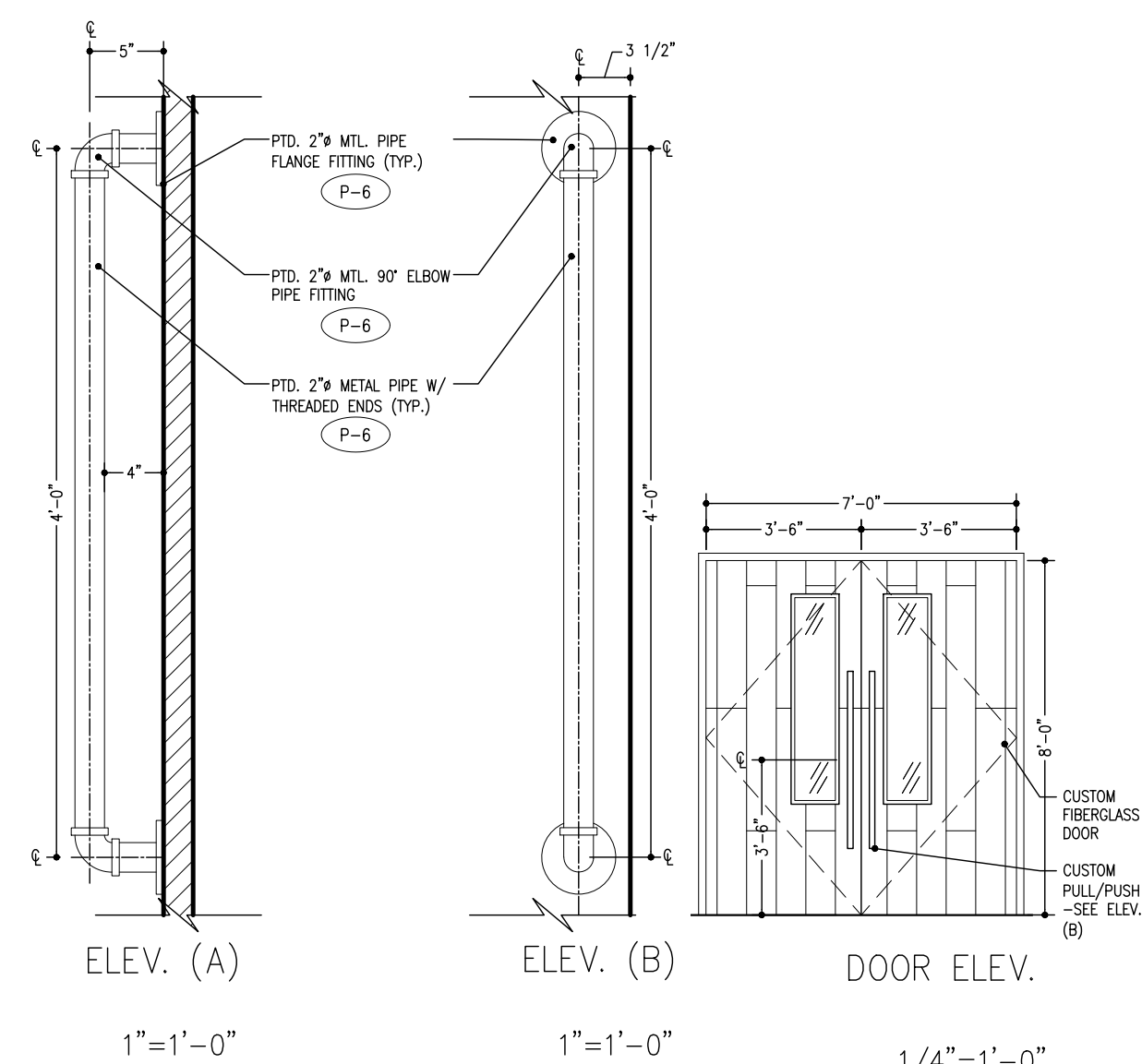
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SCALE: 3" = 1'-0"

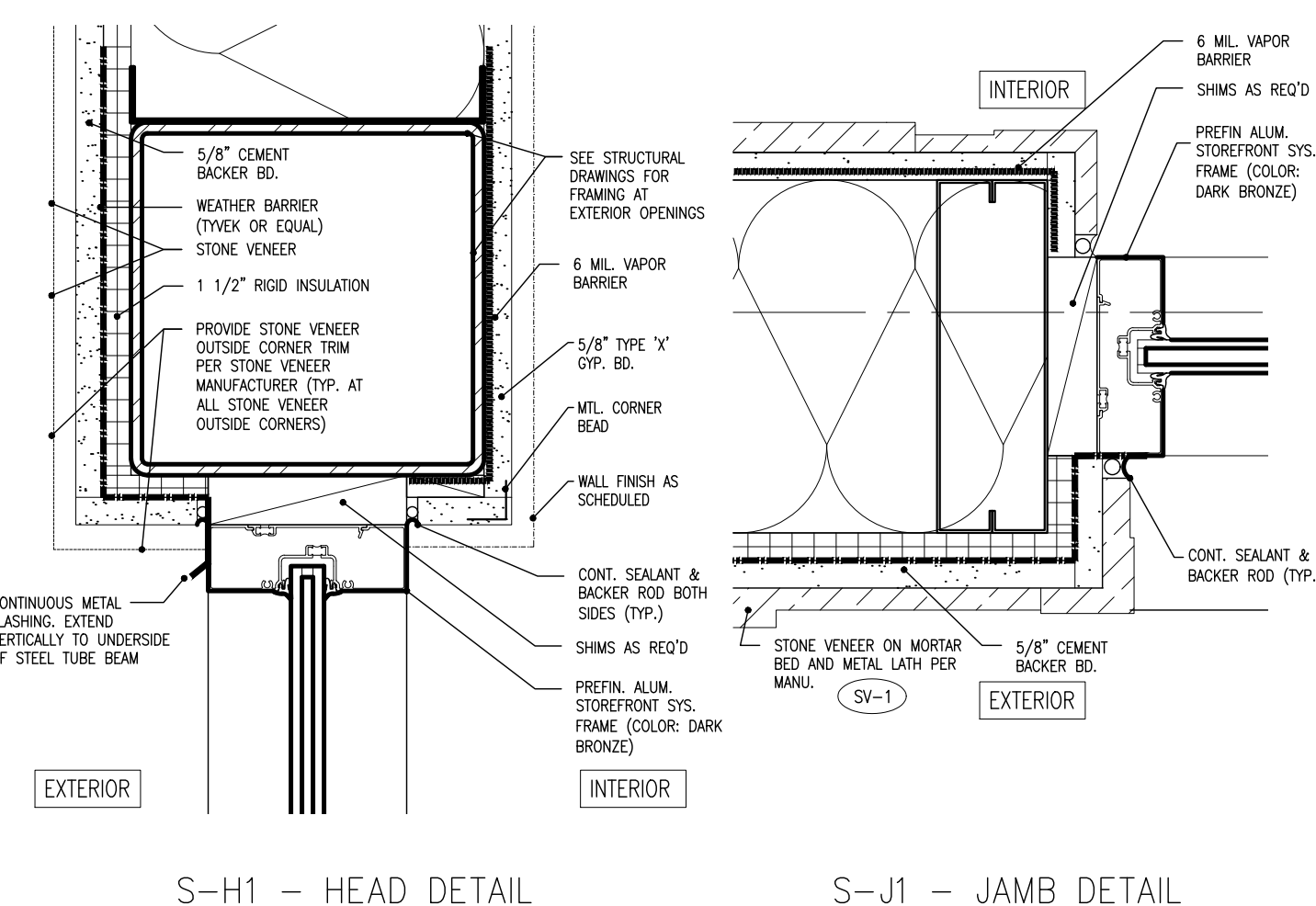
A horizontal graphic scale bar with a black and white alternating pattern. It is marked with '0' at the left end, '0.25' at the midpoint, and '0.5' at the right end.



SCALE: VARIES



SCALE: 3" = 1'-0"



STOREFRONT OPENING NO. (X)		OPENING SIZE *		WINDOW TYPE	MATERIAL	FINISH	REMARKS (SEE ELEVATIONS)
		WIDTH	HEIGHT				
A	7'-9"	7'-0"	FIXED	ALUM.	PREFINISHED DARK BRONZE	1" TEMPERED, CLEAR GLASS; (2) LAYERS 1/4" CLR. TEMP. GLASS W/ 1/2" AIR SPACE -SEE EXT. ELEV.	
B	10'-9" 1/2"	7'-0"	FIXED	ALUM.	PREFINISHED DARK BRONZE	1" TEMPERED, CLEAR GLASS; (2) LAYERS 1/4" CLR. TEMP. GLASS W/ 1/2" AIR SPACE -SEE EXT. ELEV.	
C	11'-7" 1/4"	8'-2"	FIXED	ALUM.	PREFINISHED DARK BRONZE	1" TEMPERED, CLEAR GLASS; (2) LAYERS 1/4" CLR. TEMP. GLASS W/ 1/2" AIR SPACE -SEE EXT. ELEV.	
D	11'-3"	8'-2"	FIXED	ALUM.	PREFINISHED DARK BRONZE	1" TEMPERED, CLEAR GLASS; (2) LAYERS 1/4" CLR. TEMP. GLASS W/ 1/2" AIR SPACE -SEE EXT. ELEV.	
E	7'-7"	7'-0"	FIXED	ALUM.	PREFINISHED DARK BRONZE	1" TEMPERED, CLEAR GLASS; (2) LAYERS 1/4" CLR. TEMP. GLASS W/ 1/2" AIR SPACE -SEE EXT. ELEV.	
F	14'-7"	7'-0"	FIXED	ALUM.	PREFINISHED DARK BRONZE	1" TEMPERED, CLEAR GLASS; (2) LAYERS 1/4" CLR. TEMP. GLASS W/ 1/2" AIR SPACE -SEE EXT. ELEV.	

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
1-1	VESTIBULE	(2) 3'-0"	8'-0"	2 1/4"	FIBERGLASS	ALUM.	PREFIN./PREFIN. DARK BRONZE	0	CUSTOM
1-2	VESTIBULE	(2) 3'-0"	8'-0"	2 1/4"	FIBERGLASS	ALUM.	PREFIN./PREFIN. DARK BRONZE	0	CUSTOM
2	TO-GO AREA	3'-0"	7'-0"	2 1/4"	FIBERGLASS	ALUM.	PREFIN./PREFIN. DARK BRONZE	0	CUSTOM
3	WOMEN'S	3'-0"	7'-0"	1 3/4"	S.C. WOOD	H.M.	STAIN/PAINT	0	W/ LAMINATED WIRE GLASS UPPER PANEL
4	MEN'S	3'-0"	7'-0"	1 3/4"	S.C. WOOD	H.M.	STAIN/PAINT	0	W/ LAMINATED WIRE GLASS UPPER PANEL
5	BAR EXPO	3'-0"	7'-0"	1"	S.S.	S.S.	PREFIN. BLACK	0	W/ NO STOP FRAME AND 18"8 VISION PANEL
6	OFFICE	3'-0"	7'-0"	1 3/4"	H.M.	H.M.	PAINT/PAINT	0	W/ 2'-0" X 2'-0" VISION PANEL
7	KITCHEN (REAR)	4'-0"	7'-0"	1 3/4"	H.M.	H.M.	PAINT/PAINT	0	W/ FISHEYE VIEWER
8	MECHANICAL/RISER	3'-4"	7'-0"	1 3/4"	H.M.	H.M.	PAINT/PAINT	0	W/ BOTTOM VENT

NOTES: #1. ALL HARDWARE & DOORS TO BE FULLY A.D.A. COMPLIANT & OPERATE IN DIRECTION OF FORCES WITHOUT KEY OR SPECIAL KNOWLEDGE DURING ALL TIMES OF PREMISES OCCUPANCY.

#2. G.C. TO VERIFY ALL DOOR SIZES, SCHEDULES & 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 ICC SECTION 703.4.3.

#4. ALL GLAZING IN DOORS, SCHEDULES, & TRANSOMS SHALL BE TEMPERED.

#5. ALL DOORS OTHER THAN THOSE LISTED IN SCHEDULE ABOVE ARE EXISTING. G.C. TO VERIFY CONDITION.

#6. G.C. TO PROVIDE TROJANT SEC04 WINDOW FILM BY JOHNSON WINDOW FILMS.

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

#1. INSTALL PERMANENT PLASTIC WALL PLACARD ADJ. TO DOOR ON INSEDE STATING "THIS DOOR SHALL REMAIN UNLOCKED DURING ALL TIMES OF OCCUPANCY" IN WHITE LETTERS ON BLACK BACKGROUND. #2. INSTALL PERMANENT AL.D.A. COMPLIANT TOILET ROOM PLASTIC PLACARD ON EXT. FACE OF DOOR. #3. INSTALL ADDRESS NUMERALS IN 4" WHITE LETTERS & "SHOWER BONES DELIVERED" IN 2" WHITE LETTERS IN CONTRASTING COLOR TO EXT. FACE OF DOOR. #4. COLOR: DARK BRONZE #5. NOT USED			
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"X. 1716 SILL	COLOR: DARK BRONZE
CLOSER	LCN	4010 SURFACE MOUNTED	COLOR: DARK BRONZE
LOCKSET	ADAMS RITE	CYLINDER ESCUTCHEON	-
WEATHERSTRIP	PEMKO	ASTRAGAL	-

SMOKEY BONES
UTICA, MI



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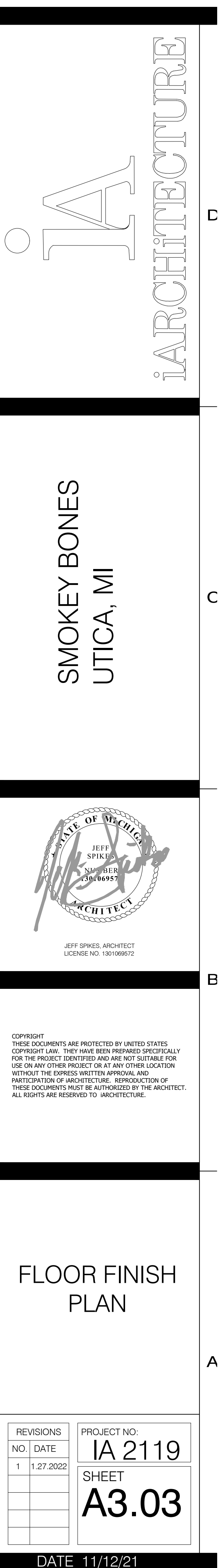
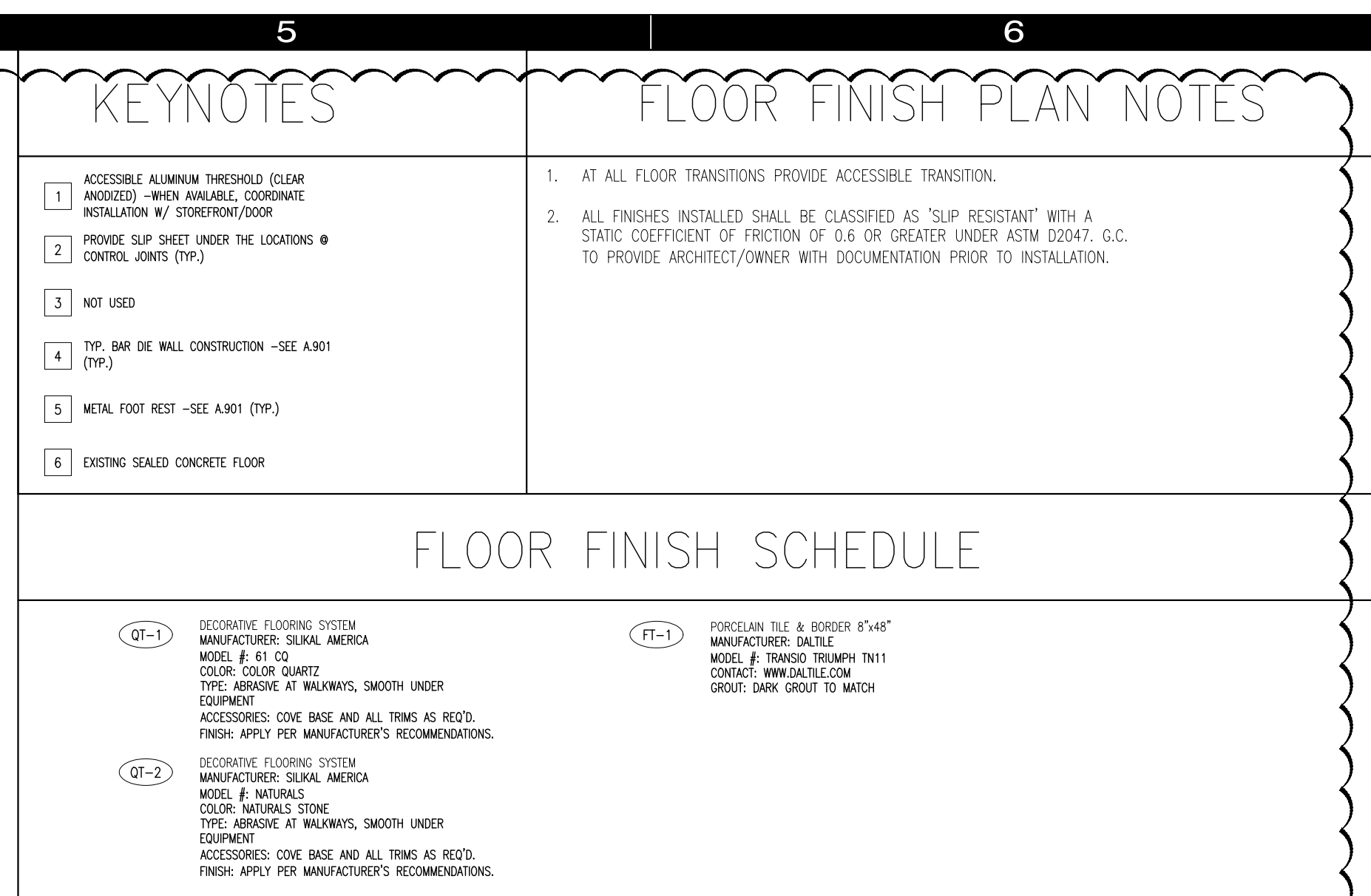
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DATE 11/12/21



FLOOR FINISH
PLAN

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1	1.27.2022

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IA 2119

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A3.03

DATE 11/12/21

C

D

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

EXTERIOR ELEVATIONS

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

A

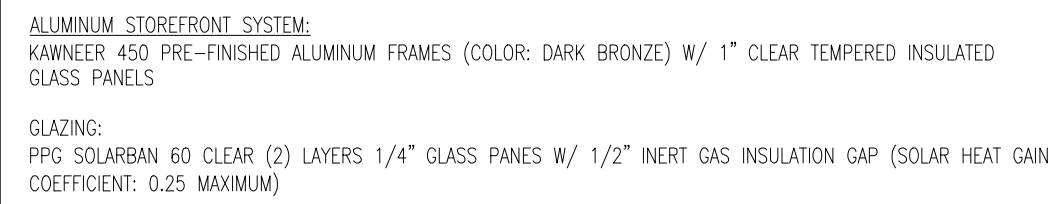
B

A1

EXTERIOR ELEVATIONS

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

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



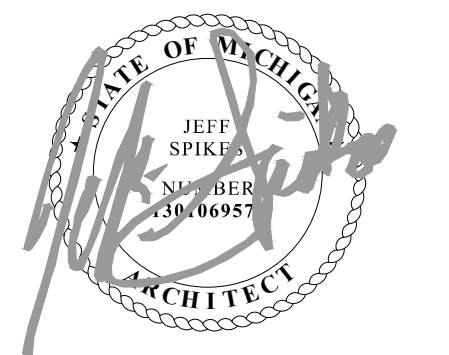
SCALE: 1" = 1'-0"

NOTE: PAINTED STEEL SCREENWALL W/ ILLUMINATED CORRUGATED INFILL PANELS TO BE SUPPLIED AND INSTALLED BY SIGNAGE VENDOR.

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.



- | | |
|------|---|
| SY-1 | NATURAL STONE: BONA
MANUFACTURE: VERA VERSETTA STONE
MODEL # F: LIDGESIDE STONE
COLOR: FLAM CREAM/CONTR # / OWNER: PRIOR TO BID AND PURCHASE OF MATERIALS) |
| SY-2 | LIMESTONE ACCENT: TBD
MODEL #: TBD
COLOR: MATCH SY-1
REMARKS: REMOVED LIMESTONE ACCENT BAND, SAMPLES FOR APPROVAL |
| CB-1 | INTERIOR WOOD: BROWN
MANUFACTURE: NIDHIA
MODEL #: VINTAGEWOOD
COLOR: CLEAR /CONTR # / OWNER: PRIOR TO BID AND PURCHASE OF MATERIALS) |
| EP-1 | EXTERIOR PAINT
MANUFACTURE: BENJAMIN MOORE
MODEL #: IC-4H
COLOR: TOWNSEND HARBOR BROWN
FINISH: |
| MP-1 | INTERIOR MECA-RIB PANELS
MANUFACTURE: MELROY METAL
MODEL: NRP PANEL
FINISH: MANGROD BROWN |
| MR-1 | METAL ROOFING
MANUFACTURE: PAC-CLAD |



EFF SPIKES, ARCHITECT
CENSE NO. 1301069672

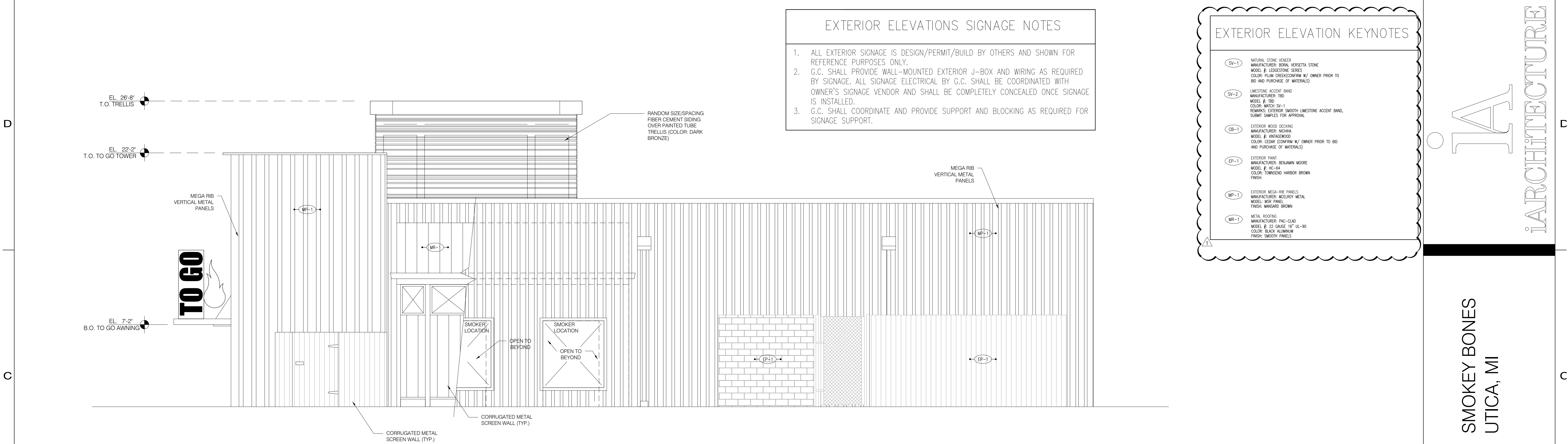
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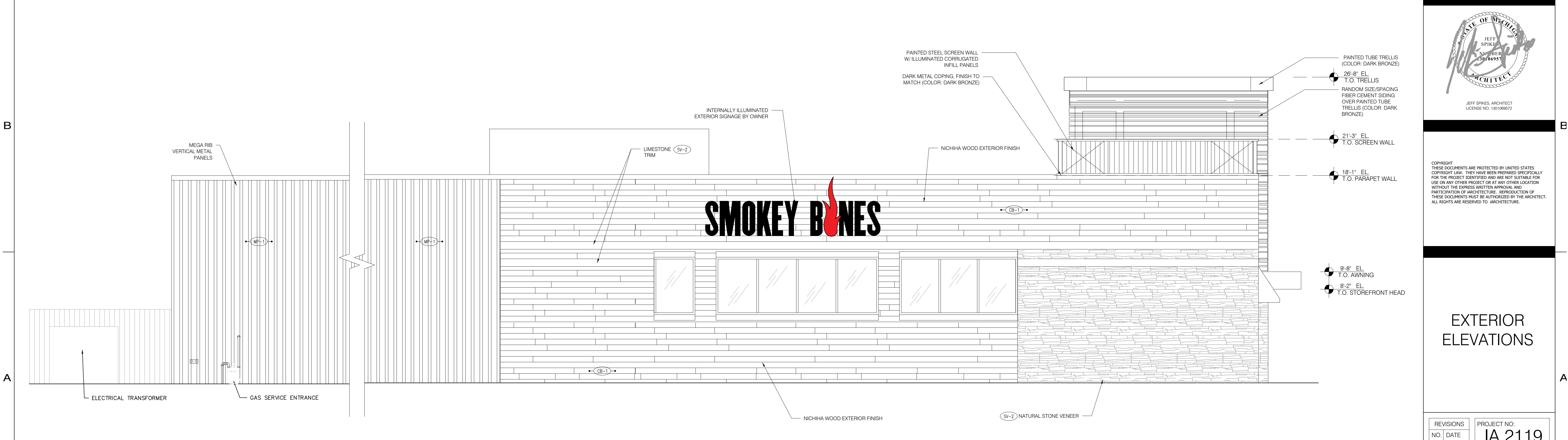
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A4.02

DATE 11/12/21



C1 EXTERIOR ELEVATIONS
SCALE: 1/4" = 1'-0"



A1 EXTERIOR ELEVATIONS
SCALE: 1/4" = 1'-0"

EXTERIOR ELEVATIONS SIGNAGE NOTES

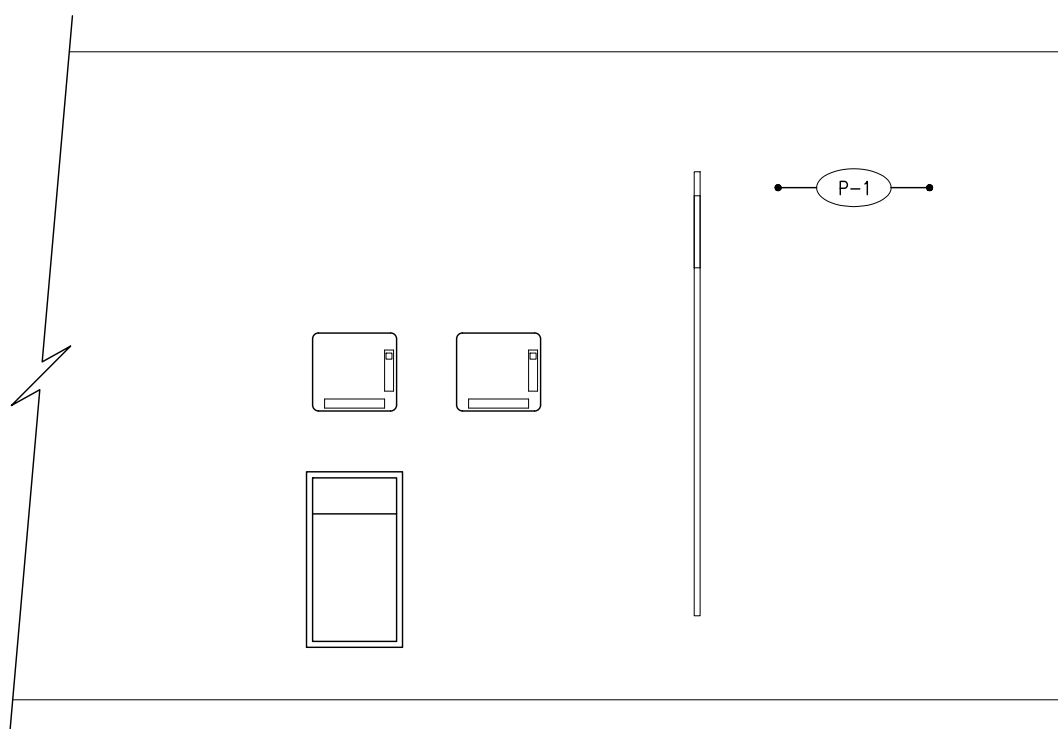
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- G.C. SHALL PROVIDE WALL-MOUNTED EXTERIOR J-BOX AND WIRING AS REQUIRED BY SIGNAGE. ALL SIGNAGE ELECTRICAL BY G.C. SHALL BE COORDINATED WITH OWNER'S SIGNAGE VENDOR AND SHALL BE COMPLETELY CONCEALED ONCE SIGNAGE IS INSTALLED.
- G.C. SHALL COORDINATE AND PROVIDE SUPPORT AND BLOCKING AS REQUIRED FOR SIGNAGE SUPPORT.

EXTERIOR ELEVATION KEYNOTES

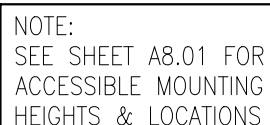
- SV-1** NATURAL STONE VENEER
MANUFACTURER: BIRAL VERETTA STONE
MODEL: # LEDGERONE SERIES
COLOR: PLUM CREEK (CONFORM W/ OWNER PRIOR TO BID AND PURCHASE OF MATERIALS)
- SV-2** LIMESTONE ACCENT BAND
MANUFACTURER: TBD
MODEL: # TBD
COLOR: MATCH SV-1
REMARKS: EXTERIOR SMOOTH LIMESTONE ACCENT BAND, SUBMIT SAMPLES FOR APPROVAL
- CB-1** EXTERIOR WOOD DECOR
MANUFACTURER: NICHIA
MODEL: # VINTAGEWOOD
COLOR: CEDAR (CONFORM W/ OWNER PRIOR TO BID AND PURCHASE OF MATERIALS)
- EP-1** EXTERIOR PAINT
MANUFACTURER: BENJAMIN MOORE
MODEL: # HC-54
COLOR: TOWNSEND HARBOR BROWN
FINISH:
- MP-1** EXTERIOR MEGA-RIB PANELS
MANUFACTURER: MCELROY METAL
MODEL: MGR PANEL
FINISH: MANGROVE BROWN
- MR-1** METAL ROOFING
MANUFACTURER: PAC-CLAD
MODEL: # 22 GAUGE 16" UL-90
COLOR: BLACK ALUMINUM
FINISH: SMOOTH PANELS



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



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



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

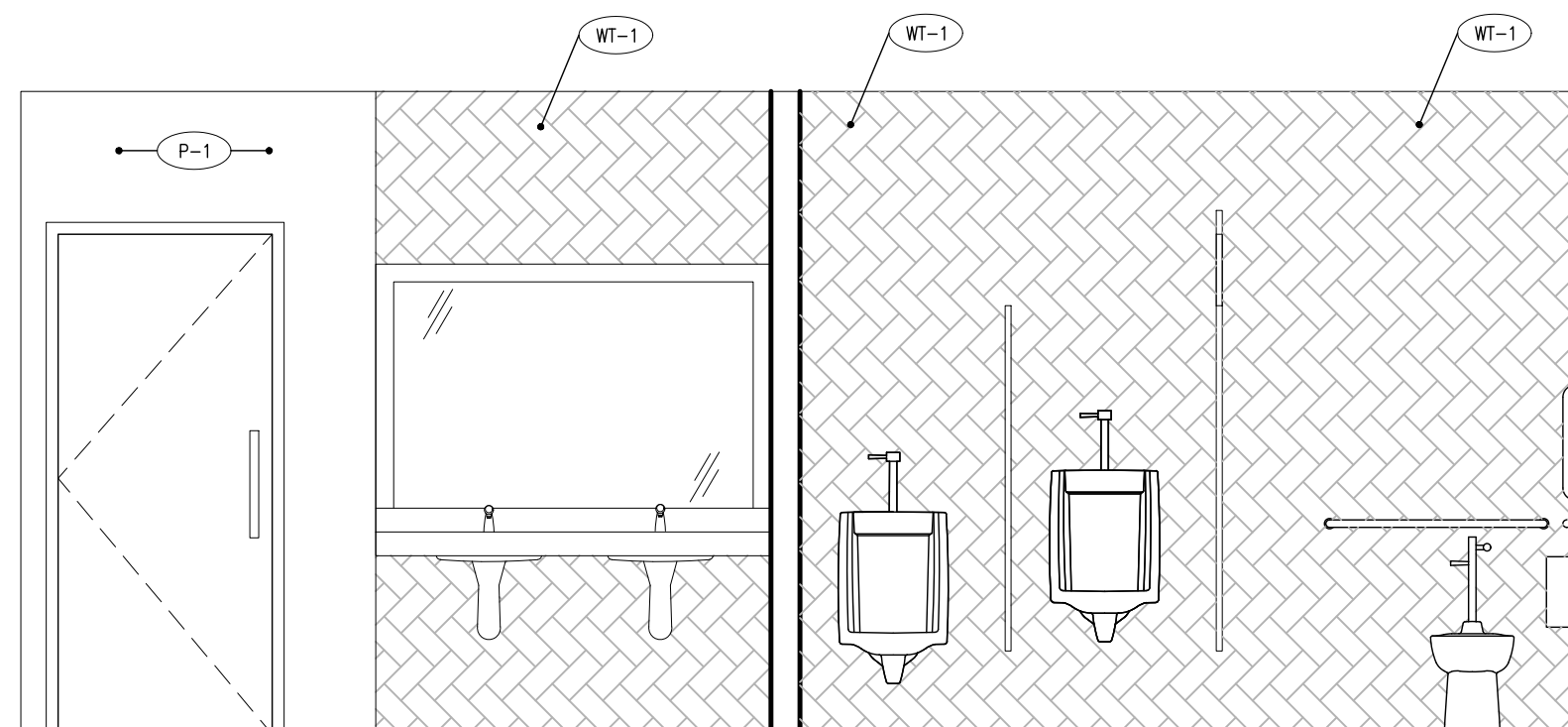
NOTE:
RESTROOMS FIXTURE LOCATIONS ARE
EXISTING EXCEPT WHERE OTHERWISE
NOTED. GC TO VERIFY EXISTING
CONDITIONS.

ITEM	ACCESSORY	LOCATION	MANU.	MODEL NO.	COLOR/STYLE	SIZE/REMARKS
1	ACCESS. SOAP DISPENSER	LAVATORY	BRADLEY	BRADDEX 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 URMATE 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. ACCESSIBILITY GUIDELINES. 2. PLUMBING FIXTURES TO BE INSTALLED SO THAT REFLECTING SURFACES ARE 4" MAX. ABOVE THE TOILET SEAT. 3. PROVIDE SLOD WOOD 2" BLOCKING AT ALL GRAB BAR LOCATIONS. 4. HOT WATER AND DRAIN PIPES UNDER SINK SHALL BE INSULATED TO PROTECT AGAINST CONTACT. 5. PIPER EXPOSED PLUMB WORK WITH VINYL INSULATED HOT. 6. FLOOR CONTROLS FOR WALL CUPETS SHALL BE LOCATED ON THE WIDE SIDE OF THE W.C.	7. G.C. TO VERIFY, PRIOR TO INSTALLING, RECESSER PAPER TOLIT, HOLDER, VERIFY LIGHT SWITCH LOCATION AND LOCATE PAPER TOLIT, DISPENSER ACCORDINGLY. 8. CONTRACTOR TO PROVIDE THE TWO BLOWING IN WALL CAVITIES AS REQ. TO SUPPORT ALL FIXTURES, FURNISHINGS AND EQUIPMENT REGARDLESS WHETHER ITEMS ARE SUPPLIED BY OWNER OR CONTRACTOR. 9. ALL CYP. BOARD INSTALLED IN TOILET ROOMS SHALL BE MOISTURE RESISTANT.
--	--

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



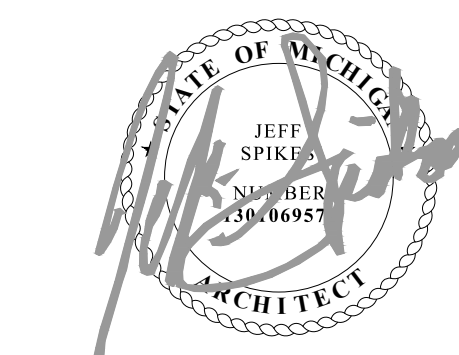
SCALE: $3/8" = 1'-0"$

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

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

WT-1 CERAMIC TILE
MANUFACTURER: DALTILE
MODEL #: ANNAPOLIS
COLOR: SAIL
NOTES: HERRINGBONE PATTERN ON RESTROOM
WET WALLS

SMOKEY BONES
UTICA, MI



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RESTROOM PLAN & DETAILS

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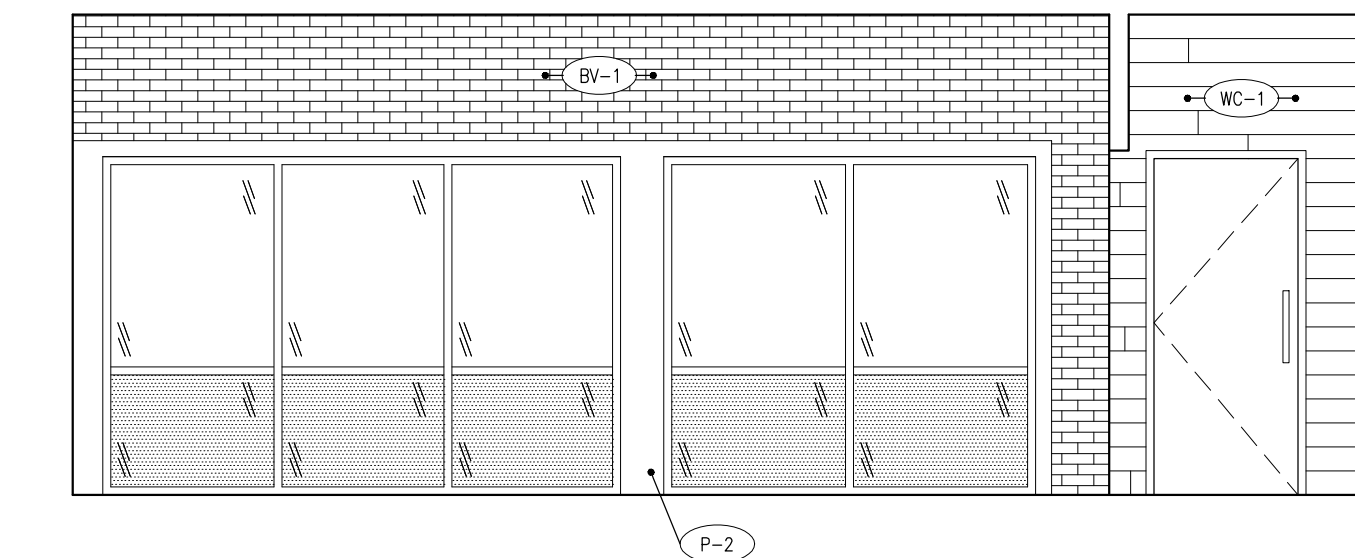
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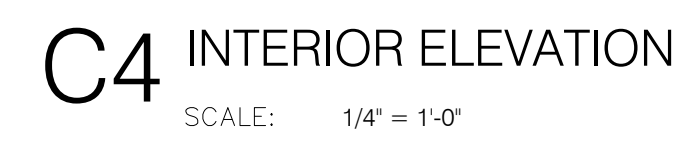
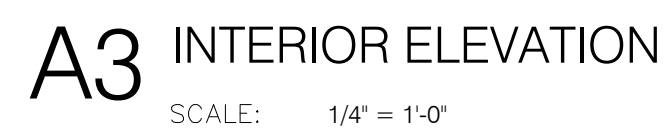
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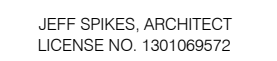
A1 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



P-1	PANT MANUFACTURER: SHERWIN WILLIAMS MODEL #: SW 7017 COLOR: DORIAN GRAY NOTES:	SV-1	NATURAL STONE VENEER MANUFACTURER: PERAZIO TILE MODEL #: 6"x24" ACCENT TILE COLOR: TERRACOTTA
P-2	PANT MANUFACTURER: SHERWIN WILLIAMS MODEL #: SW 7020 COLOR: BLACK FOX NOTES:	CP-1	CORRUGATED PANEL MANUFACTURER: TBD SIZE: # 3/4" CORRUGATED METAL PANEL COLOR: GALVANIZED NOTES: PERIODICALLY AT WAINSCOTS VERTICAL AT "MASTERS OF MEAT"
WT-1	CERAMIC TILE MANUFACTURER: DALTILE MODEL #: ANNAPOLIS COLOR: SAL	PK-1	BURNISHED WOOD MANUFACTURER: TBD SIZE: 1"x2" PINE PLANKS FINISH: TORCH BURNISHED TO DARK FINISH, THEN APPLY WHITE EPOXY
UV-1	BRICK VENEER MANUFACTURER: REPLICATIONS UNLIMITED MODEL #: URESTONE, ST. LOUIS BRICK COLOR: NONE	FRP-1	FRP PANELS MANUFACTURER: TBD SIZE: 4"x10" PANELS FINISH: MATCH EXISTING
BV-2	BRICK VENEER MANUFACTURER: REPLICATIONS UNLIMITED MODEL #: URESTONE, ST. LOUIS BRICK COLOR: PAINTED WHITE		
WC-1	VINT. WALL COVERING MANUFACTURER: KORSEAL MODEL #: HERITAGE WOOD, HWG60-60 COLOR: ALDER REMARKS: REPEAT: V.35.5"		

C

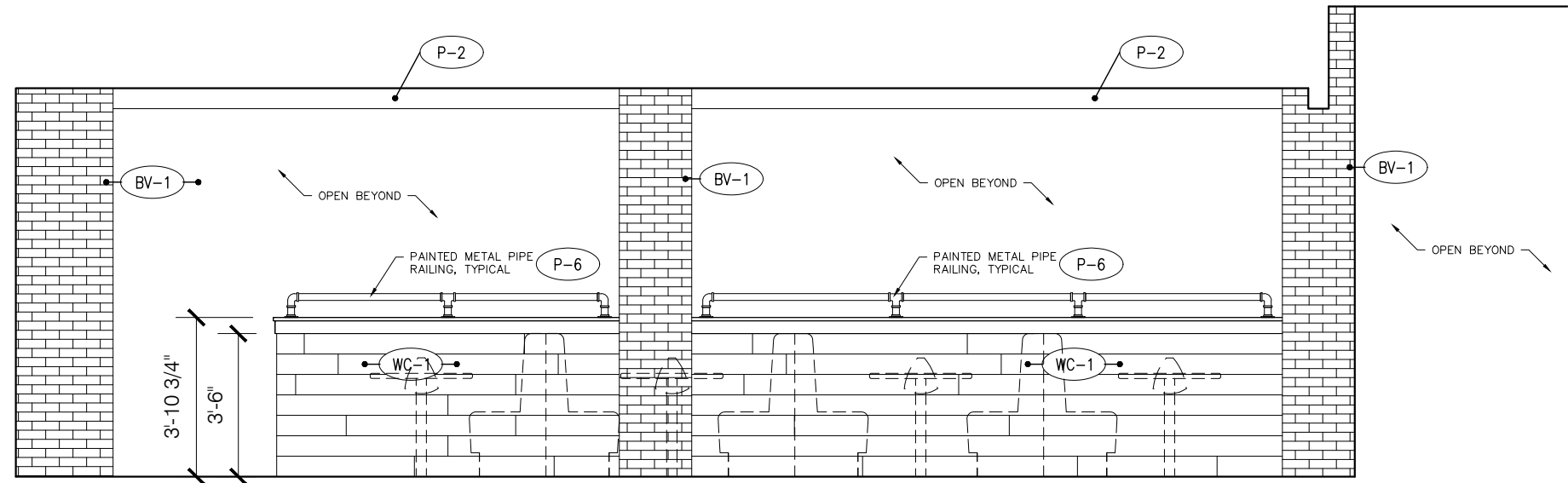
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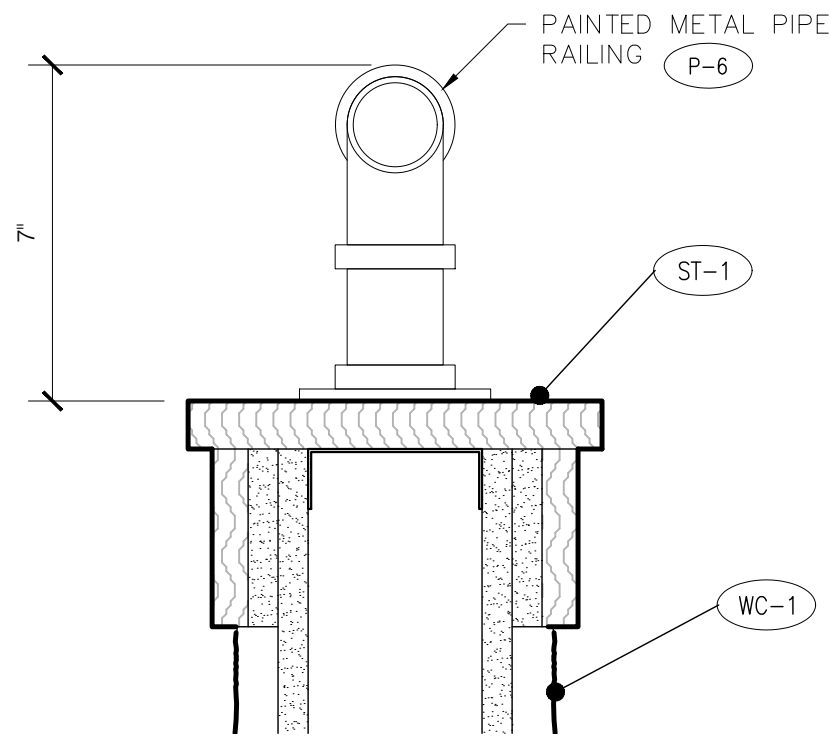
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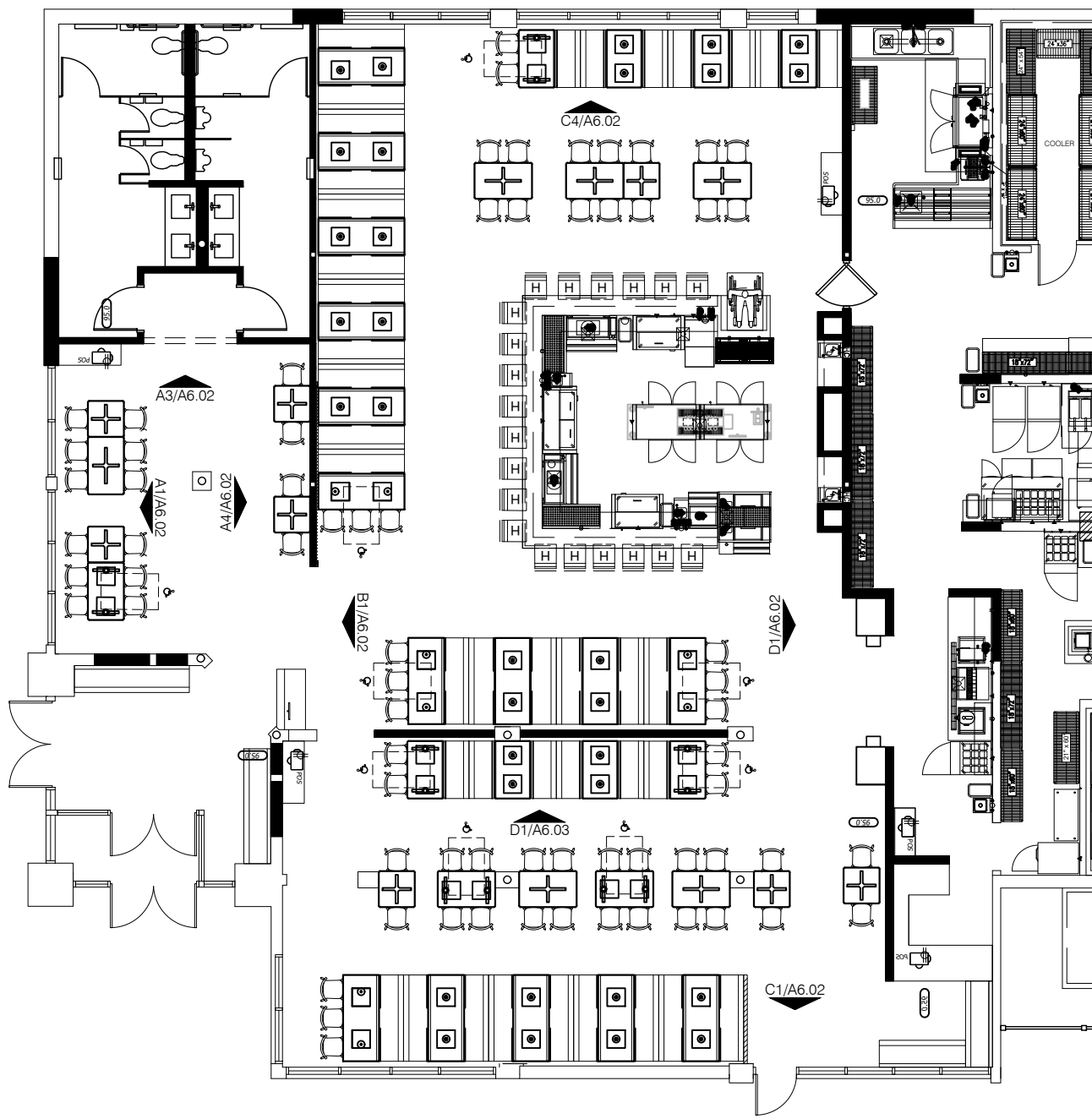
D1 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



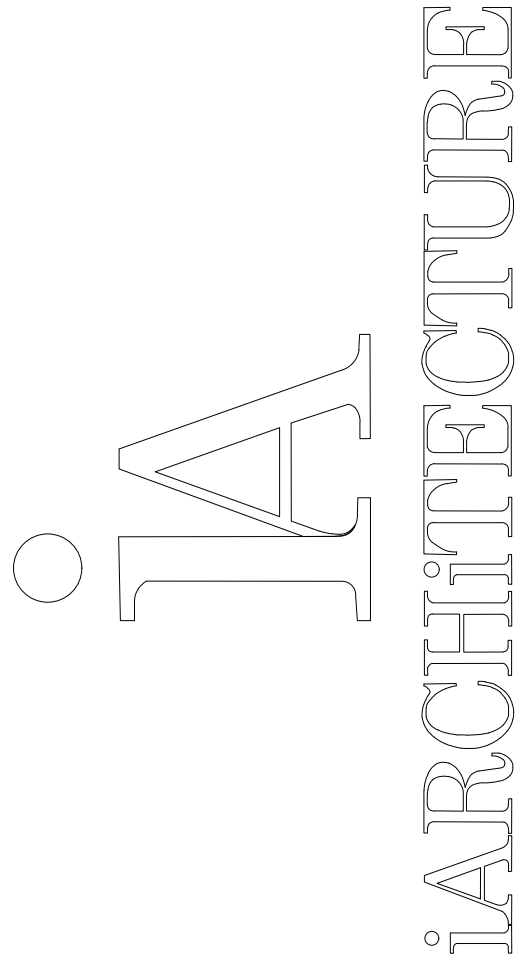
D3 METAL PIPE RAILING DETAIL
SCALE: 3/4" = 1'-0"

INTERIOR FINISH SCHEDULE

(P-1) PAINT MANUFACTURER: SHERWIN WILLIAMS MODEL #: SW 7017 COLOR: DORIAN GRAY NOTES:	(SV-1) NATURAL STONE VENEER MANUFACTURER: REALSTONE MODEL #: 8"X4" ACCENT TILE COLOR: TERRACOTTA
(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"
(WT-1) CERAMIC TILE MANUFACTURER: DALTILE MODEL #: ANNAPOLIS COLOR: SAL	(PK-1) BURNISHED WOOD MANUFACTURER: TBD SIZE: 1"x6" PINE PLANKS FINISH: TORCH BURNISHED TO DARK FINISH, THEN APPLY MATTE EPOXY
(BV-1) BRICK VENEER MANUFACTURER: REPLICATIONS UNLIMITED MODEL #: URESTONE, ST. LOUIS BRICK COLOR: ADOBE	(FRP-1) FRP PANELS MANUFACTURER: TBD SIZE: 4'X10' PANELS FINISH: MATCH EXISTING
(BV-2) BRICK VENEER MANUFACTURER: REPLICATIONS UNLIMITED MODEL #: URESTONE, ST. LOUIS BRICK COLOR: PAINTED WHITE	
(WC-1) VINYL WALL COVERING MANUFACTURER: KORSEAL MODEL #: HERITAGE WOOD, HW29-60 COLOR: ALDER REMARKS: REPEAT: V.35.5"	



A5 KEY PLAN
SCALE: N.T.S.



SMOKEY BONES
UTICA, MI

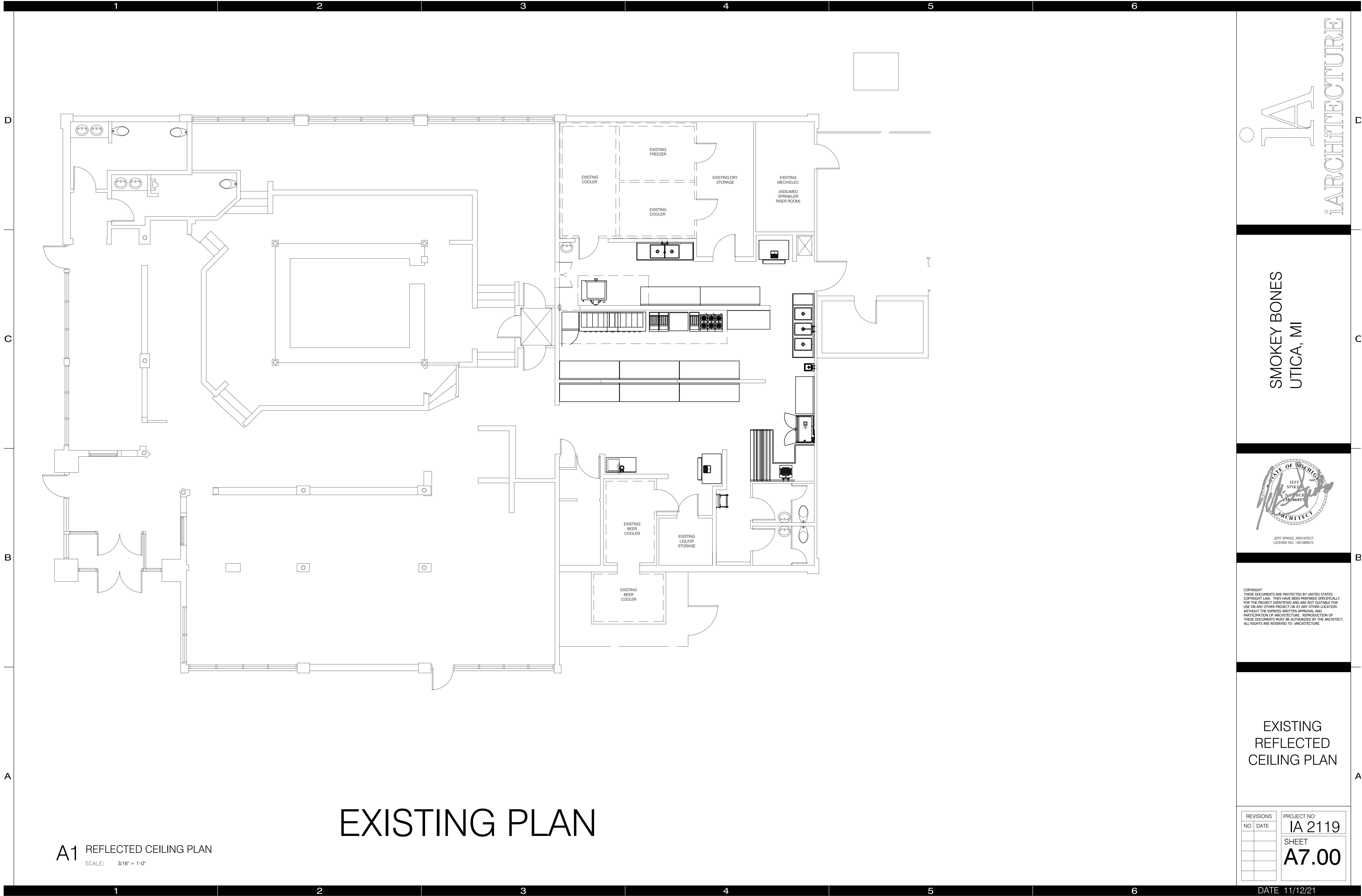


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INTERIOR
ELEVATIONS

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A1 REFLECTED CEILING PLAN

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

EXISTING PLAN

IA
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SMOKEY BONES
UTICA, MI



JEFF SPIKES, ARCHITECT
LICENSE NO. 1301096572

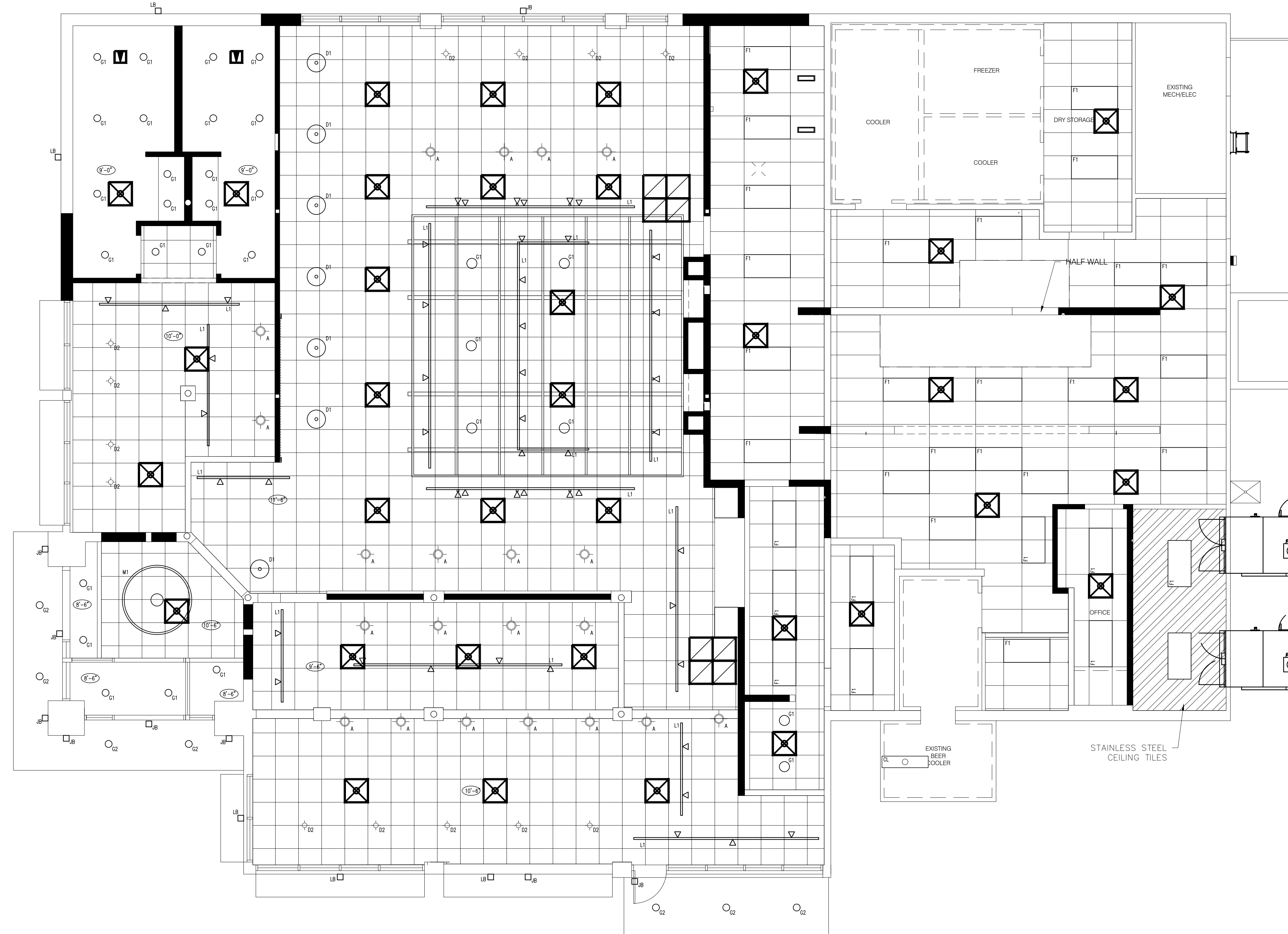
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EXISTING
REFLECTED
CEILING PLAN

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NO.	DATE	IA 2119
		SHEET
		A7.00

DATE 11/12/21

NOTE: EXISTING CEILING GRID, TILES, HVAC DIFFUSERS, DUCTWORK, LOW VOLTAGE WIRING, ETC TO BE DEMOD BY G.C. PRIOR TO NEW WORK COMMENCEMENT.



REFLECTED CEILING PLAN SYMBOL LEGEND

A		PENDANT LIGHT FIXTURE MANUFACTURER: H-LITE MFG. CO. MODEL #: H-45SPR1 DIMENSIONS: 8 1/2" x 12" FINISH: OLD MODEL LAMP: 11.5W LED A19 REMARKS:	MOUNT FIXTURES TO UNISTRUT SUPPORT ABOVE -PAINT UNISTRUT & THREADED RODS 'BLACK'
G1		6" RECESSED DOWNLIGHT MANUFACTURER: HALO COMMERCIAL HOUSING MODEL #: HALO HCB 6" CAN LAMP: HALO HMB-12-855 (5" LED MODULE, 1,000 LUMENS, 80 CR, 3500K CCT)	PAINT TRIMS TO MATCH ADJACENT SURFACES
G2		6" RECESSED DOWNLIGHT MANUFACTURER: HALO COMMERCIAL HOUSING MODEL #: HALO HCB 6" CAN LAMP: HALO HMB-12-855 (5" LED MODULE, 1,000 LUMENS, 80 CR, 3500K CCT)	REQUIRES INSTALLATION WITH TRIMS AND Baffles THAT ARE UL WET LOCATION APPROVED.
M1		CUSTOM WHEEL LIGHT FIXTURE MANUFACTURER: H-LITE MFG. CO. MODEL #: H-15SMRWS-4 DIMENSIONS: 22" x 12" FINISH: 117-PAINTED STEEL REMARKS: MOUNTED ON STEM W/ 4 AIRCRAFT CABLES 120"	
S1		EXTERIOR GARDEN STRING LIGHTING MANUFACTURER: AMERICAN LIGHTING MODEL #: LS2-MG-24-48-BK DIMENSIONS: ~80'-0" TOTAL LENGTH FINISH: BLACK	
D1		PENDANT LIGHT FIXTURE MANUFACTURER: H-LITE MFG. CO. MODEL #: H-15SEMP-3 DIMENSIONS: 12" x 10" FINISH: BK01 (BLACK EXT), 156 RED/ORANGE (INT), 91 BLACK (CANOPY) LAMP: 200W REMARKS:	
D2		PENDANT LIGHT FIXTURE MANUFACTURER: CONTECH LIGHTING MODEL #: OFC308 DIMENSIONS: 10 1/8" x 4 3/4" FINISH: RED LAMP: TBD	
F1		2x4 LED LIGHT FIXTURE MANUFACTURER: METALUX MODEL #: 24074330C REMARKS: 2x4 LED LAY-IN	
F2		2x2 FLUORESCENT LIGHT FIXTURE MANUFACTURER: METALUX MODEL #: SFE-32-120-EBB W/ REFLECTOR OR EQUAL LAMP: (2) 32W T8 REMARKS:	EXISTING
L1		MONOPOINT/TRACK LIGHTING MANUFACTURER: JUNG MODEL #: BR00-02-30K-B00R-P0M-FL-BL / TBRL / TABL / T3BL / T2BL FINISH: BLACK LAMP: 10W LED REMARKS: -SEE GENERAL NOTES & INTERIOR ELEVATIONS FOR MOUNTING INFORMATION -PROVIDE 24" INCREMENTS IN LENGTH (F.V.) -5/0 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 PROVIDE POWER FOR ILLUMINATED LIGHTBAND COORDINATE WITH SIGNAGE COMPANY	
T1		DECORATIVE WATER PROOF EXTERIOR GOOSE NECK MANUFACTURER: H-LITE MFG. CO. MODEL #: H-DM-10-96 DIMENSIONS: 11 1/4" x 10" FINISH: 96 (GALV.) LAMP: 20W LED REMARKS: WEATHERPROOF	

R.C.P. GENERAL NOTES

- ALL FRONT OF HOUSE LIGHT FIXTURES TO BE DIMMABLE.
- PREP & PAINT EXPOSED ACCESSORIES & ELECTRICAL CONDUIT.
- ALL PENETRATIONS SHALL BE FIRE SAFED AND ACOUSTICALLY SEALED TO MAINTAIN BASE BUILDING RATINGS AS APPLICABLE.
- G.C. SHALL PROVIDE BLOTTING, LIGHT GAUGE, OR MTL FRAMING/UNISTRUT TO SUPPORT ALL CEILING FIXTURES INDEPENDENTLY OF ROOF DECK.
- 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.
- 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.
- COORDINATE FIRE ALARM DEVICES TO AVOID CONFLICTS WITH FINISHES. SEE INTERIOR ELEVATIONS & DETAILS.
- ALL LIGHT FIXTURES TO BE U.L. LISTED THROUGHOUT AND SHIELDED AT FOOD PREPARATION AREAS.
- 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.
- CONTRACTOR TO PROVIDE ELECTRICAL AS REQUIRED TO SIGNAGE (INTERIOR & EXTERIOR) -VERIFY LOCATION/HEIGHT AND POWER REQUIREMENTS IN FIELD WITH OWNER.
- 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.
- DECORATIVE PENDANTS: VERIFY HEIGHT IN FIELD WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION. G.C. SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES NOTED.
- G.C. TO PROVIDE 10% EXTRA TRACK HEADS.
- NOT USED
- ALL EXPOSED LOW-VOLTAGE WIRE (EXCEPT FIRE ALARM WIRING) SHALL BE 'BLACK' OR WRAPPED IN 'BLACK' PVC SHEATH (TYP.)
- G.C. TO PROVIDE & INSTALL CASE/SHIELD OVER EMERGENCY ELECTRICAL SHUTOFF SWITCH
- PAINT ALL RECEPTACLE COVERS & EXPOSED CONDUIT / J-BOXES TO MATCH ADJACENT FINISHES. (TYPICAL, ALL LOCATIONS)
- MOUNT ALL FIXTURES OVER MOVABLE TABLES ON UNISTRUT OR LIGHTING TRACK AS APPROPRIATE FOR FIXTURE WEIGHT.
- PAINT ALL UNISTRUTS & THREADED ROD SUPPORTS 'BLACK' (TYPICAL, ALL LOCATIONS)
- G.C. SHALL PROVIDE BULBS / UNISTRUT ATTACHED TO ROOF JOISTS AS REQ'D TO MOUNT FIXTURES INDEPENDENT OF ROOF DECK.
- ALL WFT, SECURITY, & SPEAKER LOCATIONS TO BE VERIFIED IN FIELD W/ ARCHITECT PRIOR TO INSTALLATION.

R.C.P. KEYNOTES

- PROVIDE J-BOX FOR WALL-MOUNTED SIGNAGE
-G.C. TO VERIFY EXACT LOCATION W/ OWNER'S SIGNAGE CONSULTANT
-SEE INTERIOR & EXTERIOR ELEVATIONS
- FLAT PANEL TV SUPPORT -SEE INTERIOR ELEVATIONS & DETAILS
- FLAT PANEL TV LOCATION -SEE ELECTRICAL DRAWINGS -CONCEAL TV/AV WIRING FROM PUBLIC VIEW
- EXPOSED MESH DUCTS AND DIFFUSERS -SEE MECH DWGS. -PROVIDE PRE-FIN. METAL TRIM RING AROUND DUCT AT CEILING PANEL PENETRATION -SEE INTERIOR ELEV. FOR PAINT COLOR
- SA. PROVIDE DIMMABLE J-BOX FOR '30" SIGNAGE
SB. PROVIDE DIMMABLE J-BOX FOR FLAME SCORCE
SC. PROVIDE J-BOX FOR GAS SCORCE ELECTRONIC IGNITOR -SEE A4 -SEE PLUMB & ELEC.
SD. J-BOX FOR EXT. FLAME SCORCE -SEE A12

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

A1 REFLECTED CEILING PLAN

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

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REFLECTED
CEILING PLAN

REVISIONS	PROJECT NO:
NO. DATE	IA 2119
	SHEET
	A7.01

DATE 11/12/21

D

C

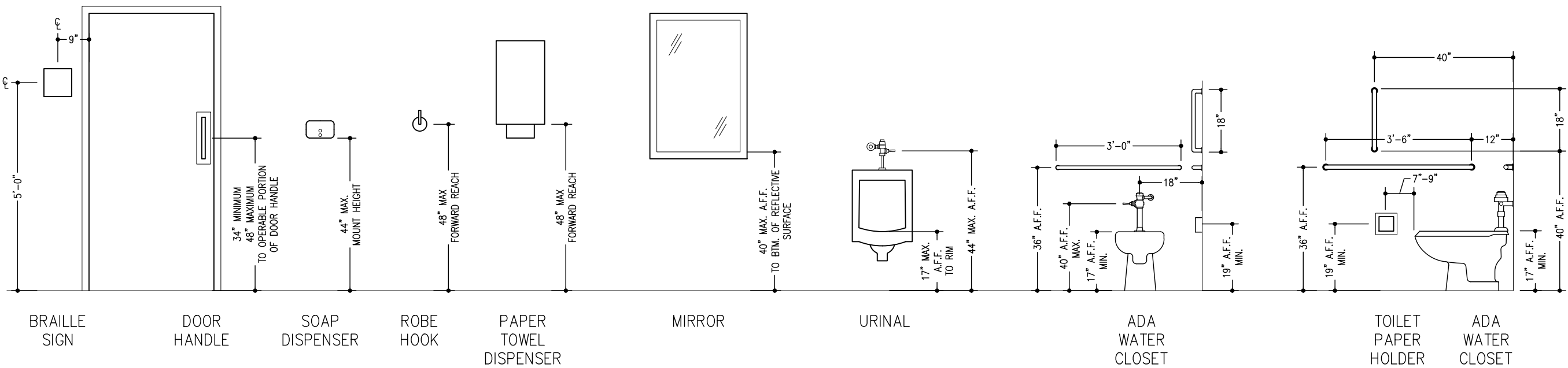
B

A

- NOTES
1. ALL TOILET ACCESSORIES SHALL MEET ALL REQUIREMENTS OF THE ADA/AG ACCESSIBILITY GUIDELINES
 2. LAVATORY MIRRORS TO BE MOUNTED TO THE REFLECTIVE SURFACE IS 40" MAX ABOVE THE FINISH
 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 side wall and 56 inches (1420 mm) minimum measured perpendicular from the rear wall.

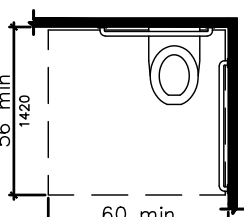


Figure 604.3.1 Size of Clearance at Water Closets

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

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

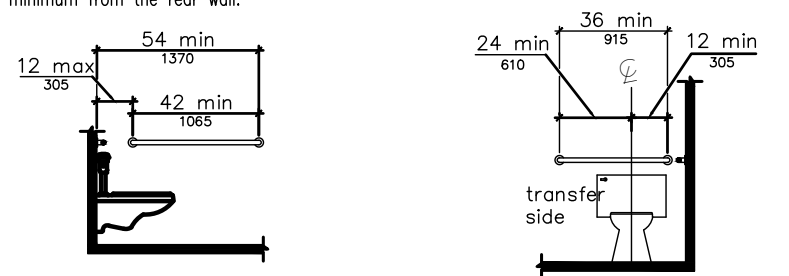


Figure 604.5.1 Side Wall Grab Bar at Water Closets

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.

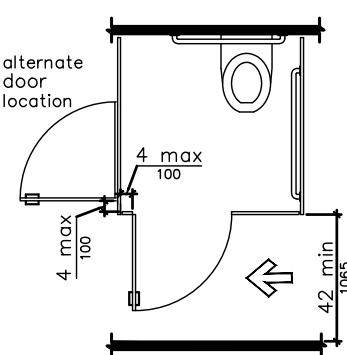


Figure 604.8.1.2 Wheelchair Accessible Toilet Compartment Doors

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.

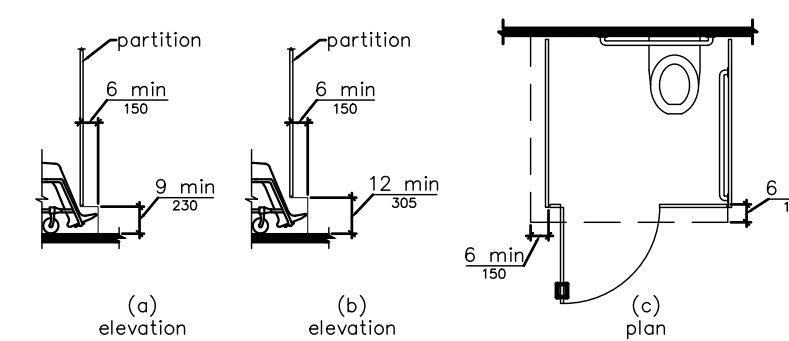


Figure 604.8.1.4 Wheelchair Accessible Toilet Compartment Toe Clearance

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 4-5.2.1 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 "T" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "T".

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 "T".

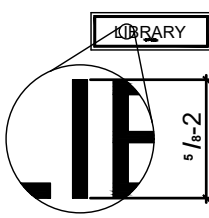


Figure 703.2.5 Height of Raised Characters

703.2.6 Stroke Thickness. Stroke thickness of the uppercase letter "T" 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.

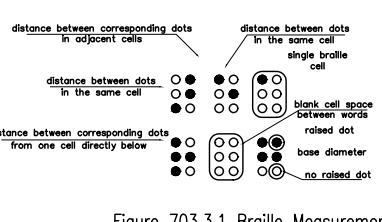


Figure 703.3.1 Braille Measurement

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.

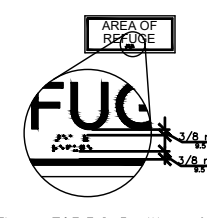


Figure 703.3.2 Position of Braille

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.

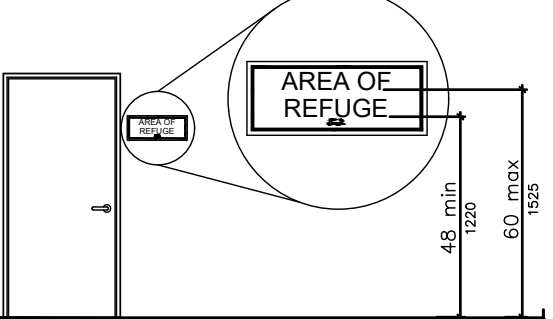


Figure 703.4.1 Height of Tactile Characters Above Finish Floor or Ground

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

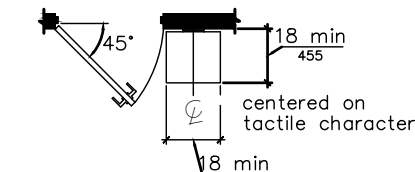


Figure 703.4.2 Location of Tactile Signs at Doors

703.5 Visual Characters. Visual characters shall comply with 703.5.

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

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

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

Figure 704.2.1.1 Parallel Approach to Telephone

Figure 704.2.1.2 Forward Approach to Telephone

ACCESSIBILITY CLEARANCES

NOT TO SCALE

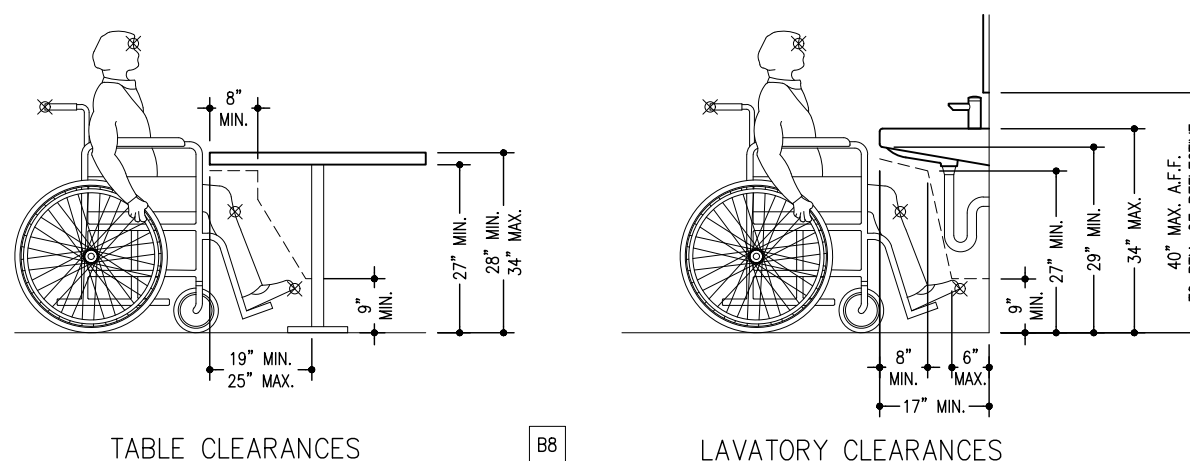


TABLE CLEARANCES

LAVATORY CLEARANCES

306 Knee and Toe Clearance

306.2 Toe Clearance.

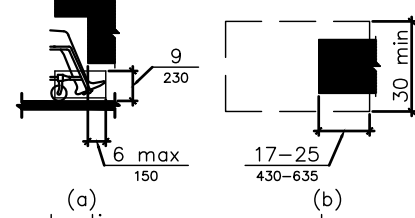
306.2.1 General. Space under an element between the finish floor or ground and 9 inches (230 mm) above the finish floor or ground shall be considered toe clearance and shall comply with 306.2.

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.



306.3 Knee Clearance.

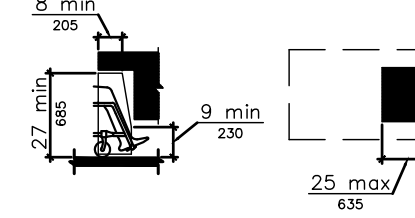
306.3.1 General. Space under an element between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground shall be considered knee clearance and shall comply with 306.3.

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.



306.3 Knee Clearance

NOTE:

ALL RESTROOM FIXTURES ARE EXISTING.

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

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 walkboots or doggie stairs and ramps shall be continuous between fittings 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.

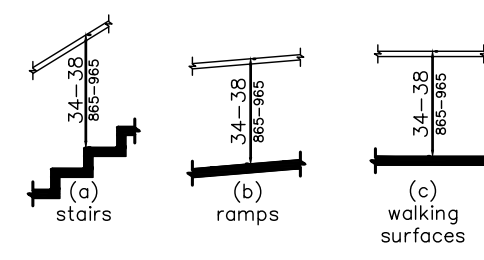


Figure 505.4 Handrail Height

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

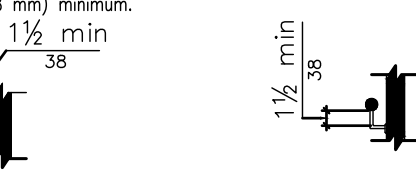


Figure 505.5 Handrail Clearance

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.

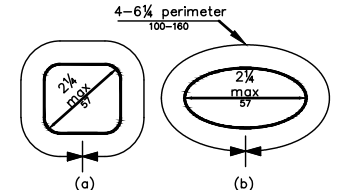


Figure 505.7.2 Handrail Non-Circular Cross Section

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 raise 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

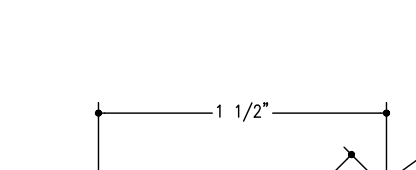
505.10.2 Top Extension at Stairs. At the top of a stair flight, handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beginning directly above the first riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail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



505.10.4 Bottom Extension at Ramps. Ramp 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 ramp run.

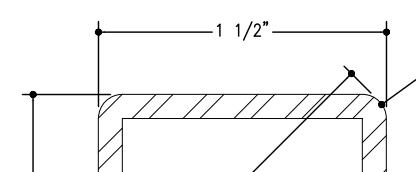


Figure 505.10.4 Bottom Handrail Extension at Ramps

505.10.5 Bottom Extension at Ramps. Ramp 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 ramp run.

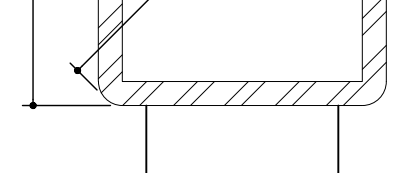


Figure 505.10.5 Bottom Handrail Extension at Ramps

505.10.6 Bottom Extension at Ramps. Ramp 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 ramp run.



Figure 505.10.6 Bottom Handrail Extension at Ramps

505.10.7 Bottom Extension at Ramps. Ramp 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 ramp run.



Figure 505.10.7 Bottom Handrail Extension at Ramps

505.10.8 Bottom Extension at Ramps. Ramp 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 ramp run.



Figure 505.10.8 Bottom Handrail Extension at Ramps

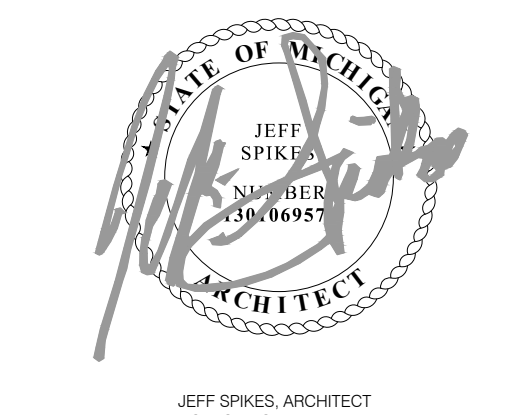
505.10.9 Bottom Extension at Ramps. Ramp handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beginning directly above the first riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent ramp run.



Figure 505.10.9 Bottom Handrail Extension at Ramps

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STANDARD
MOUNTING
HTS AND MISC
DETAILS

REVISIONS		PROJECT NO. IA 2119
NO.	DATE	
		SHEET A8.01

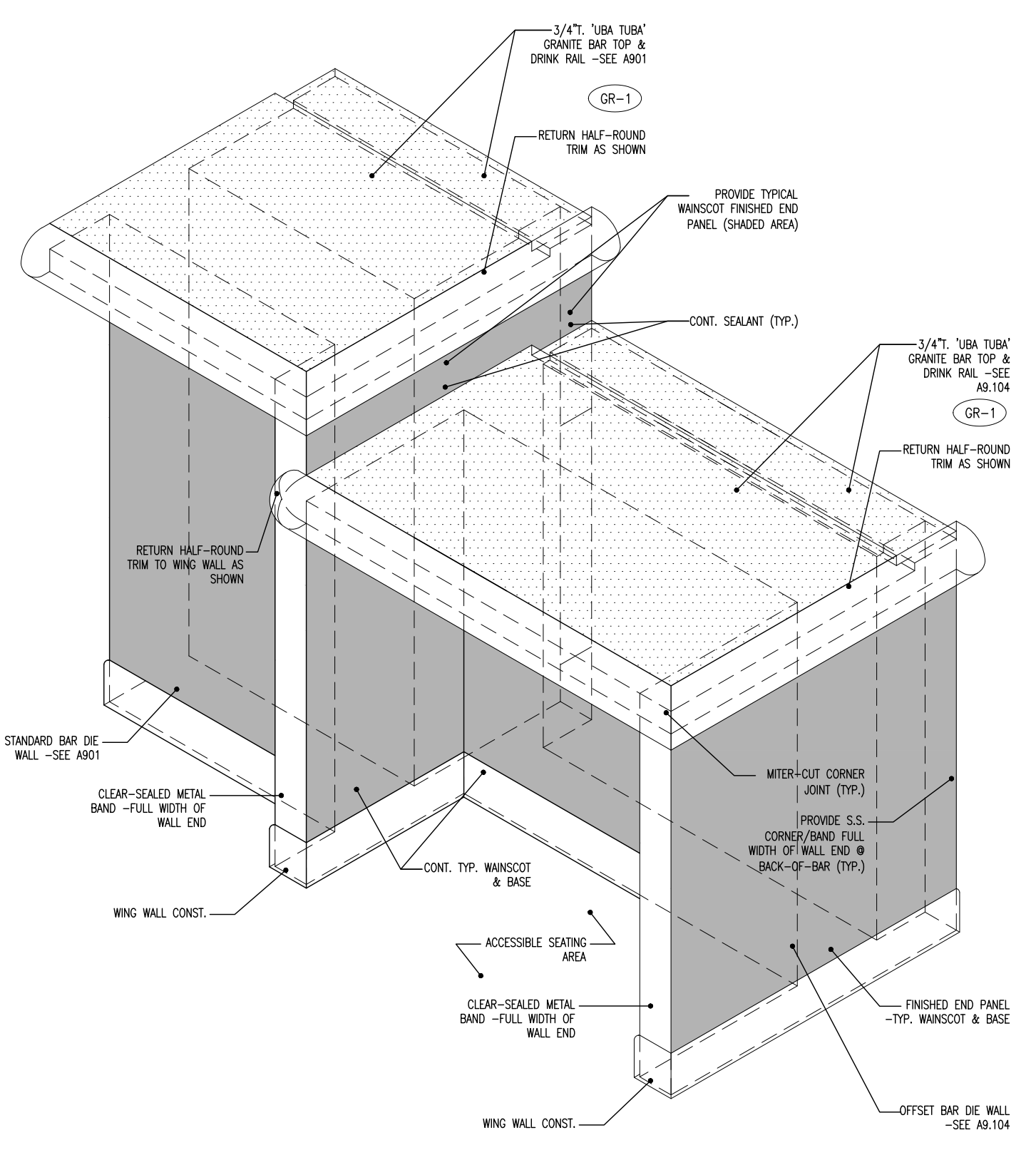
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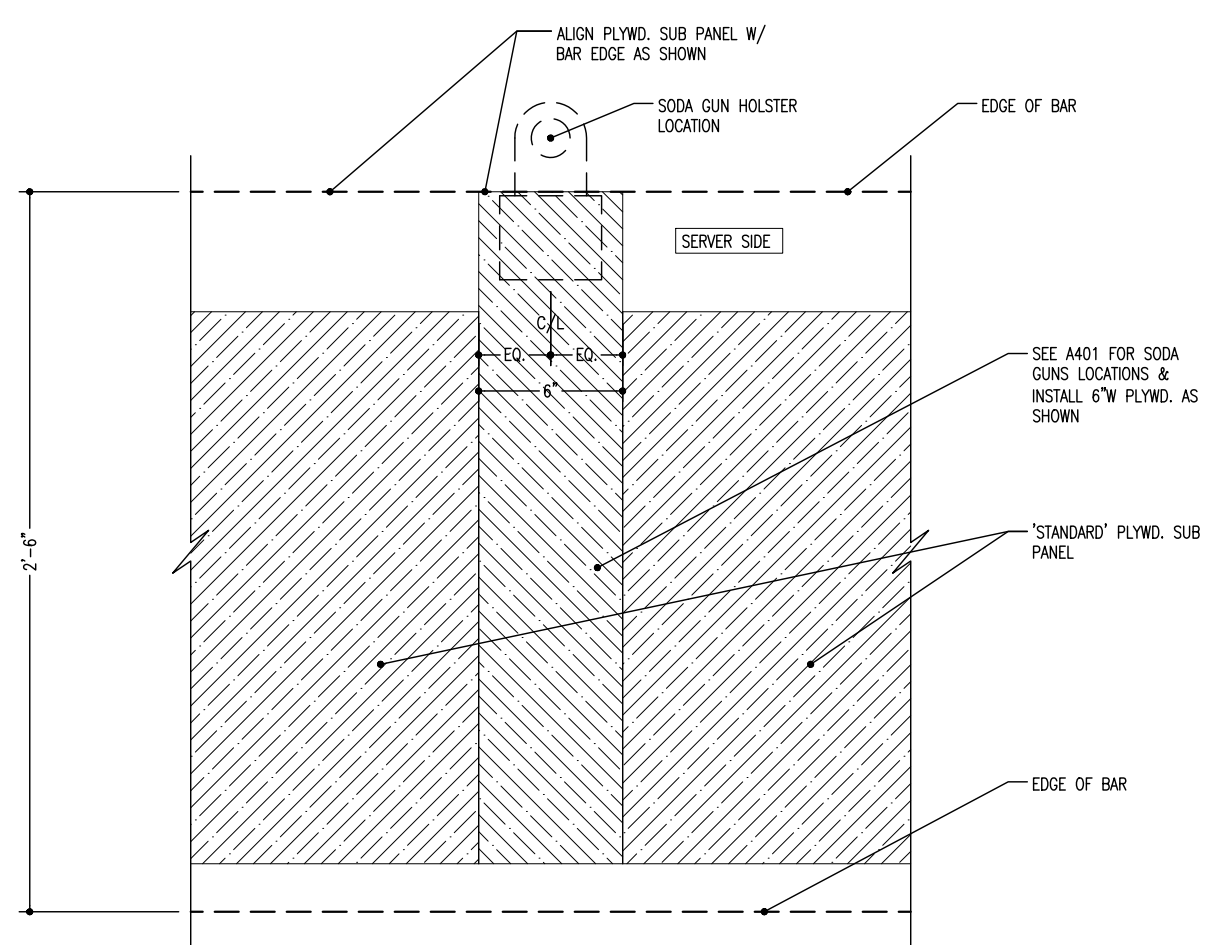
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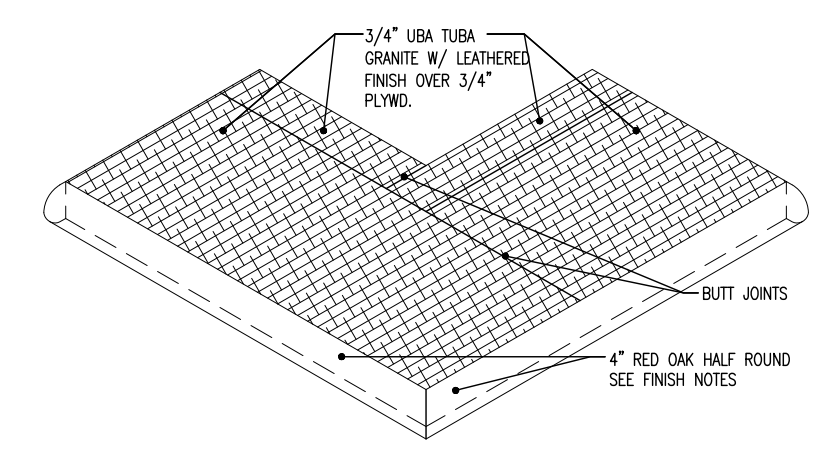
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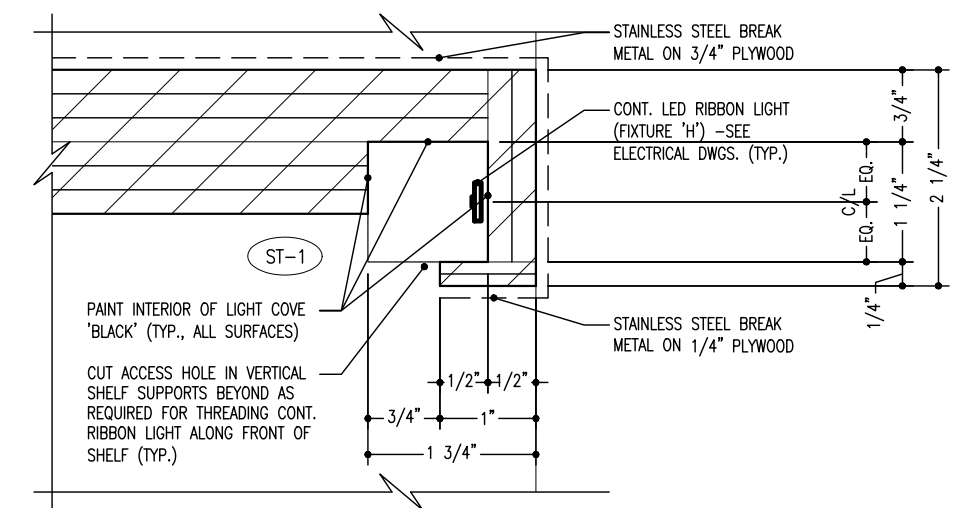
C1 ACCESSIBLE BAR SEATING ISOMETRIC
SCALE: N.T.S.



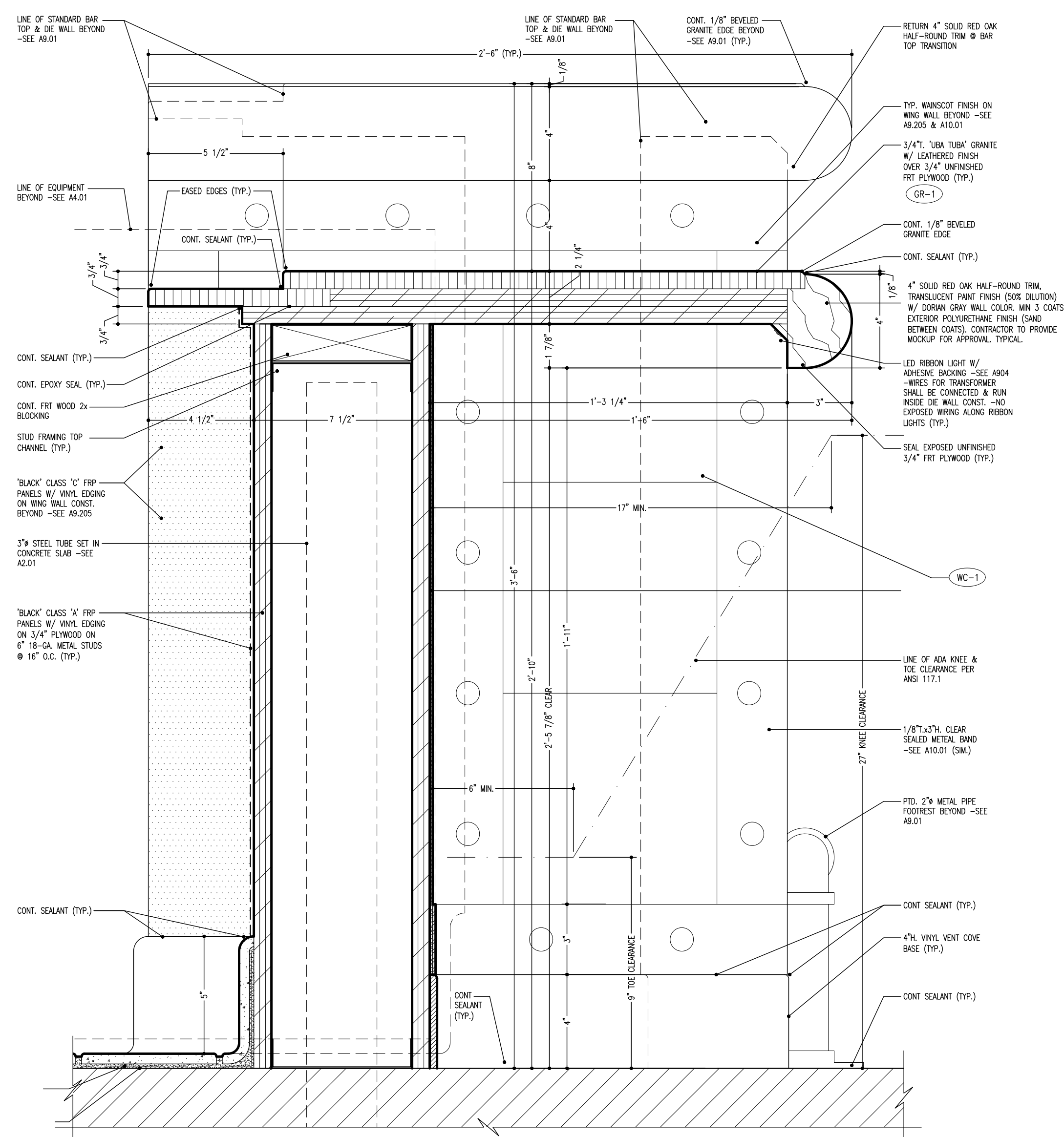
D3 SODA GUN HOLSTER SUPPORT DETAIL
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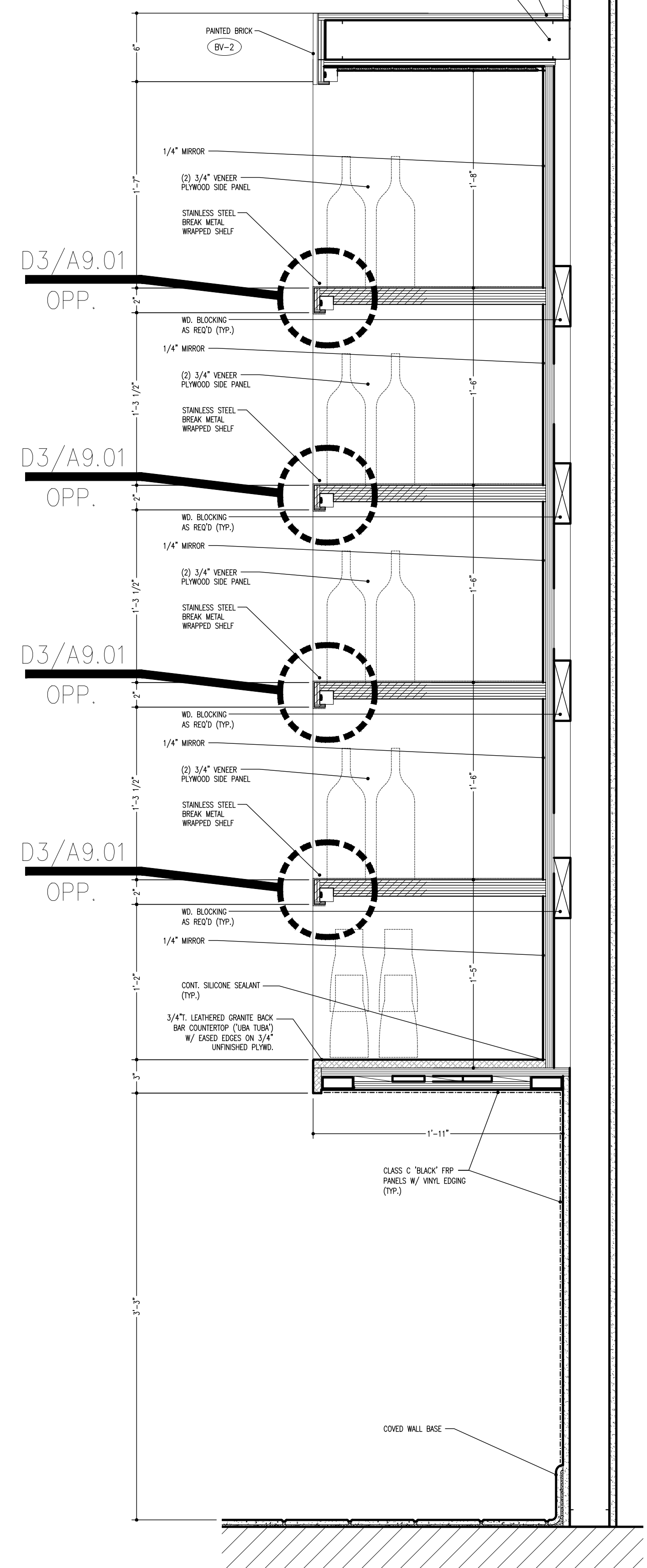
D4 BAR CORNER DETAIL
SCALE: N.T.S.



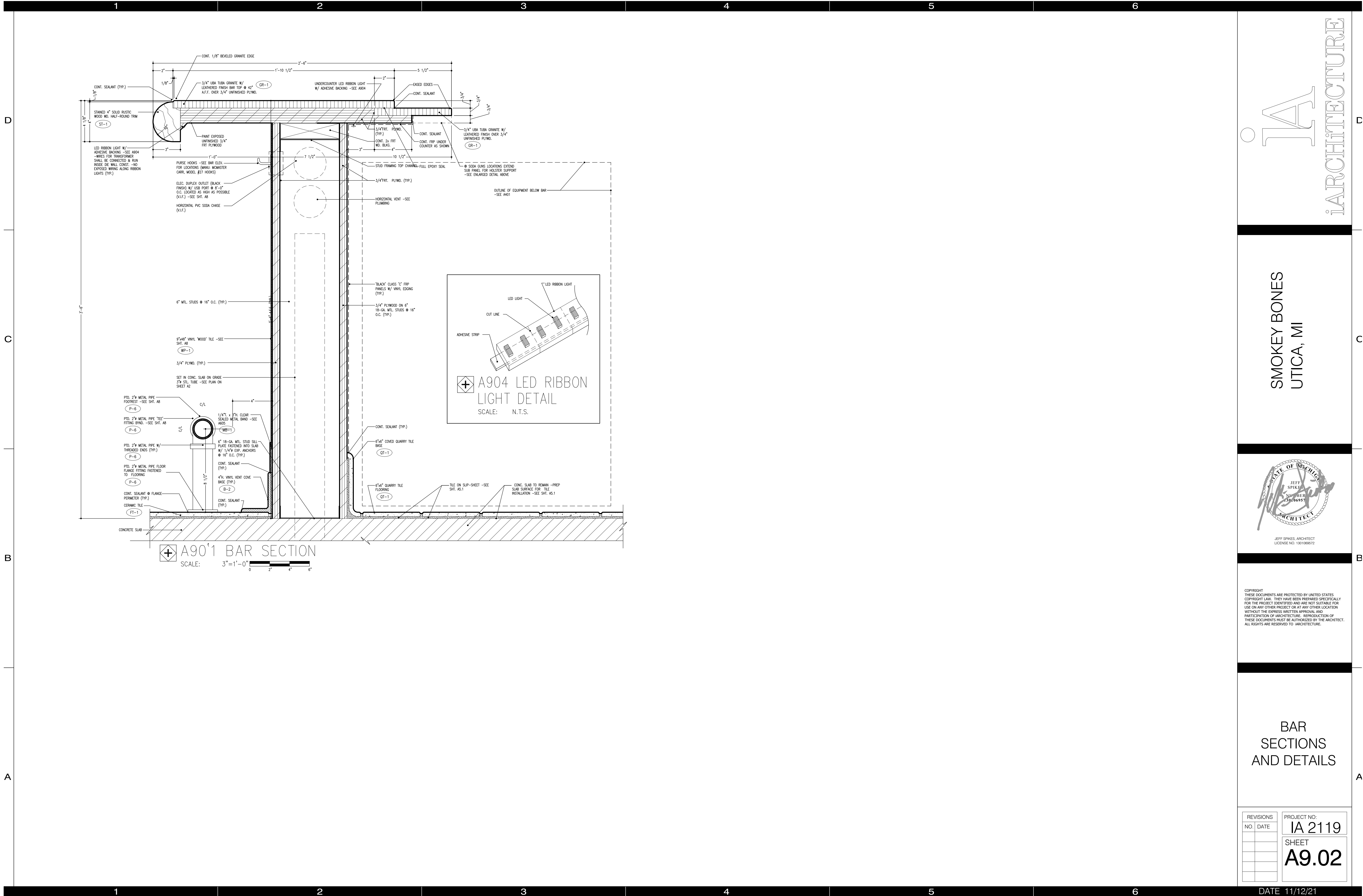
C4 SHELF EDGE DETAIL
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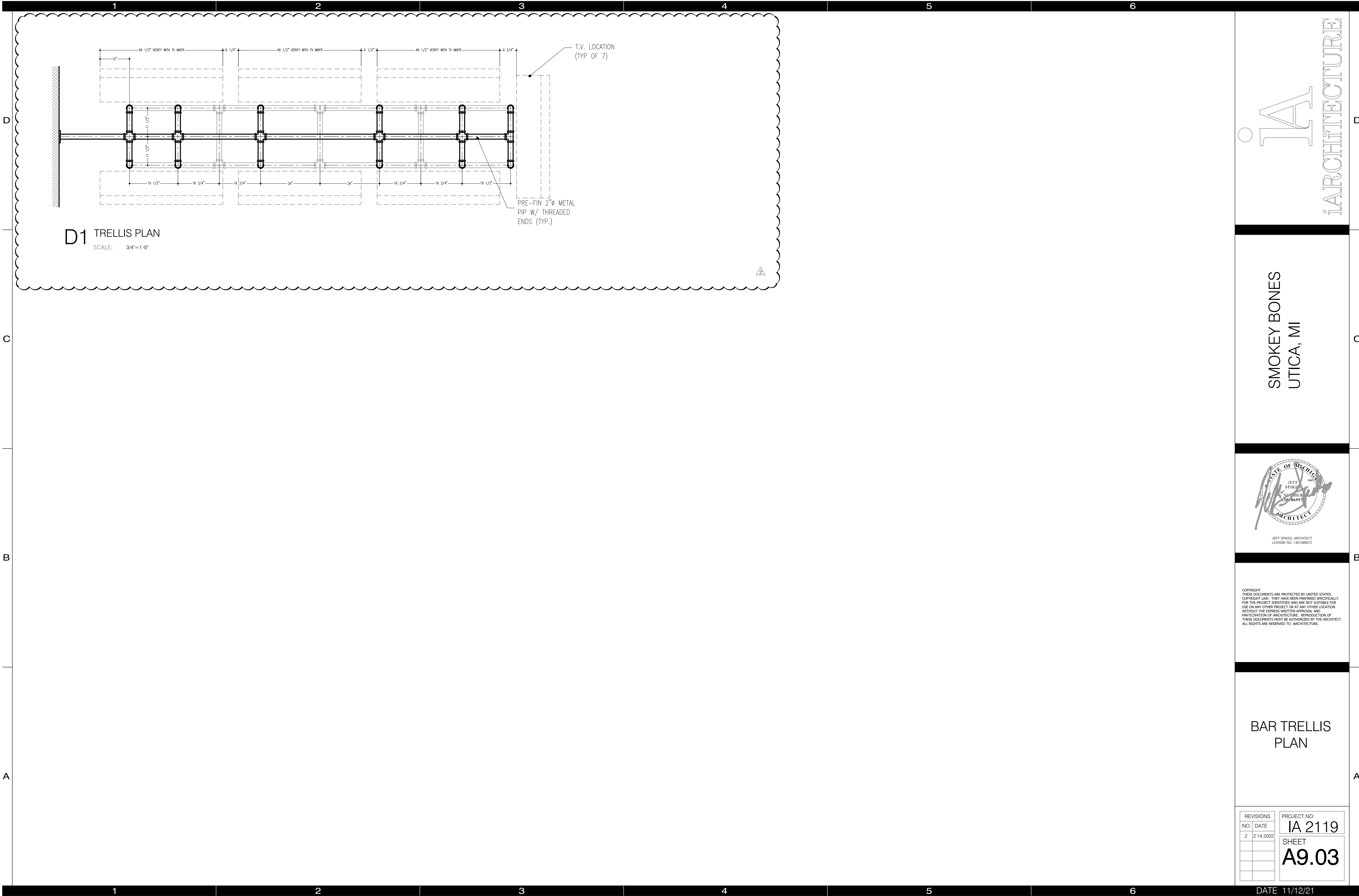


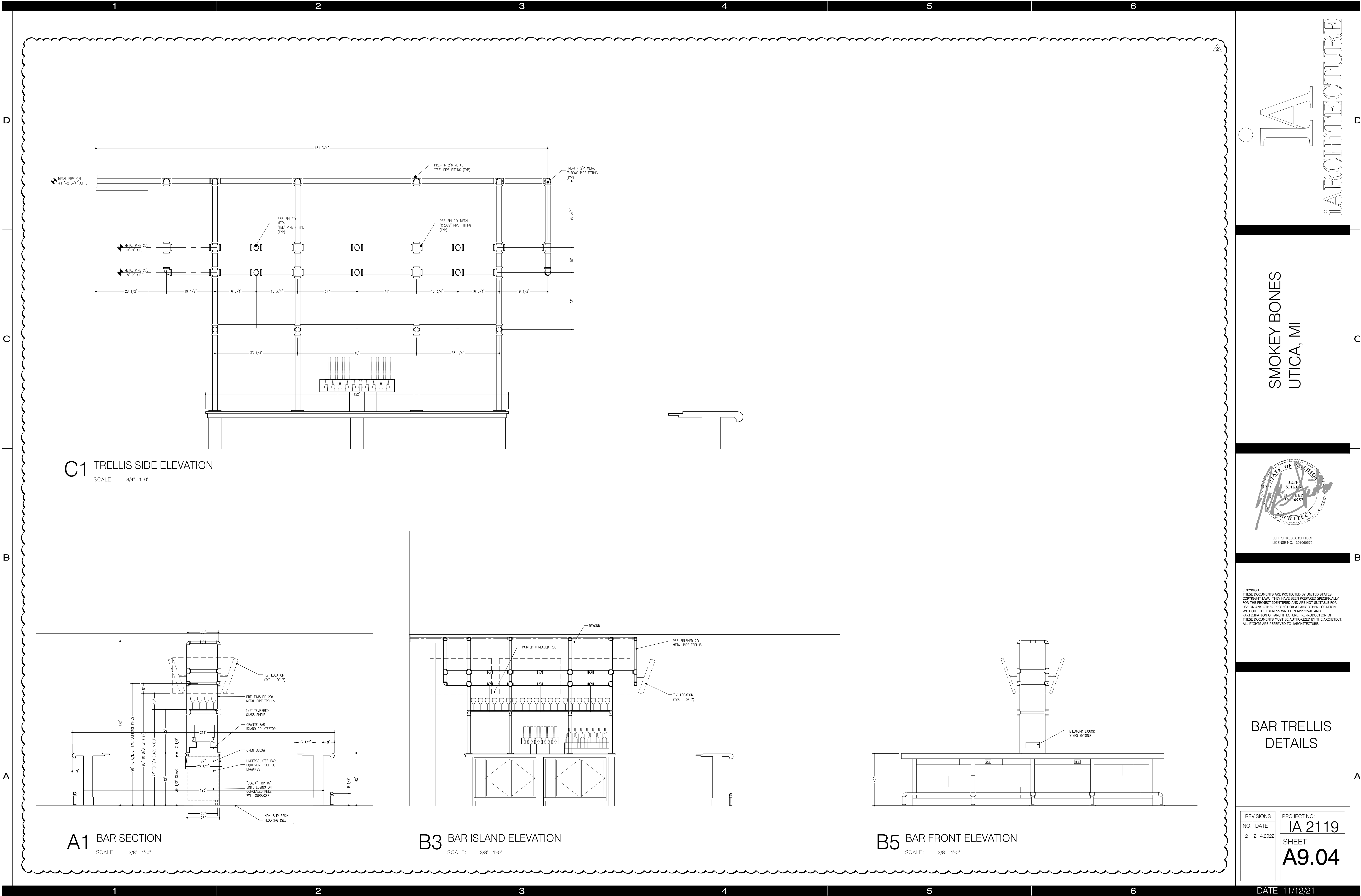
A3 ACCESSIBLE BAR SEATING SECTION
SCALE: 3\"/>



A6 BACK BAR WALL SECTION
SCALE: 1 1/2\"/>

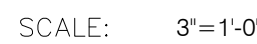








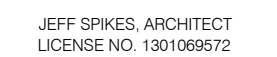
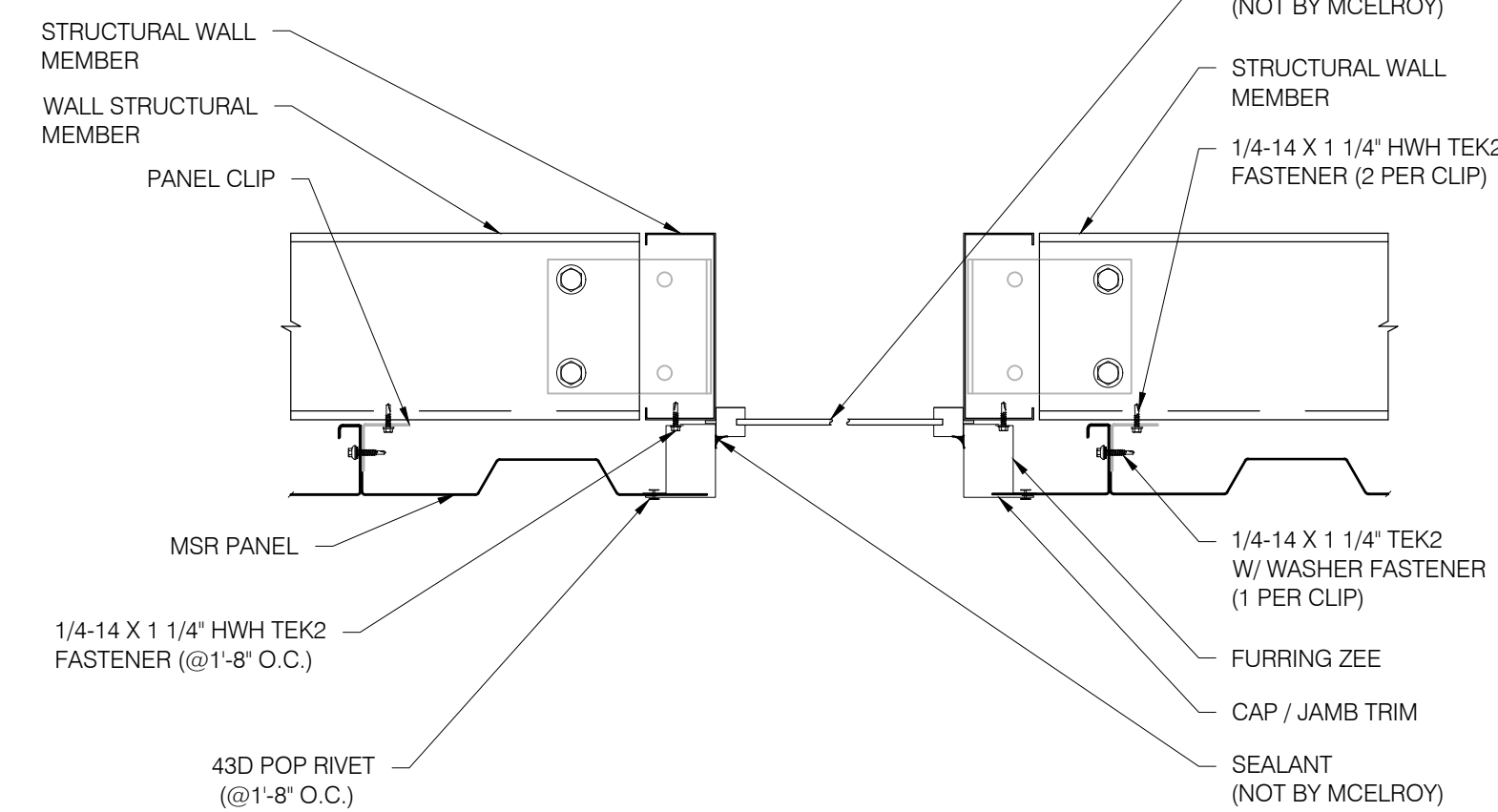
SCALE: $3''=1'-0''$



SCALE: 3"=1'-0"

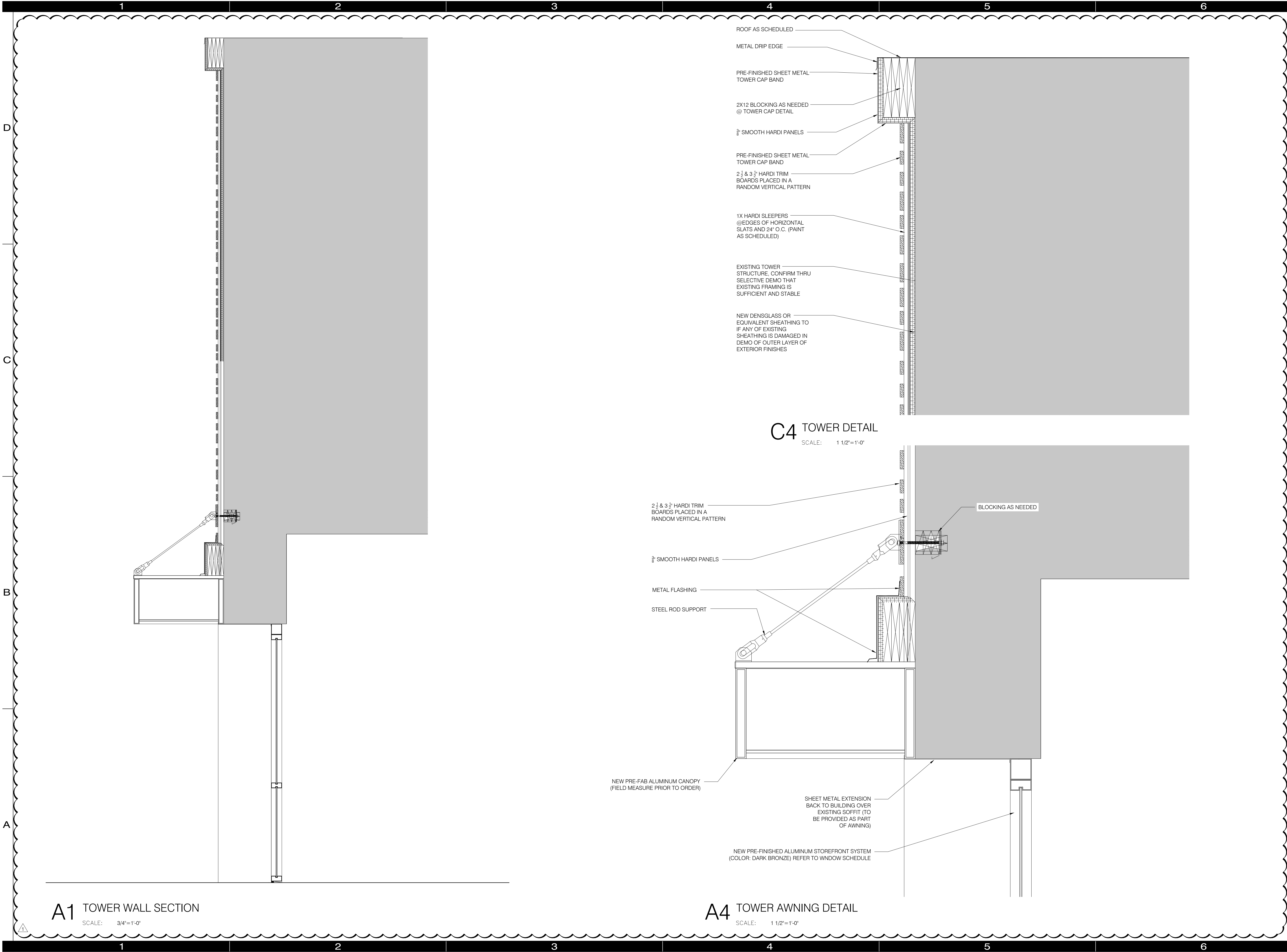


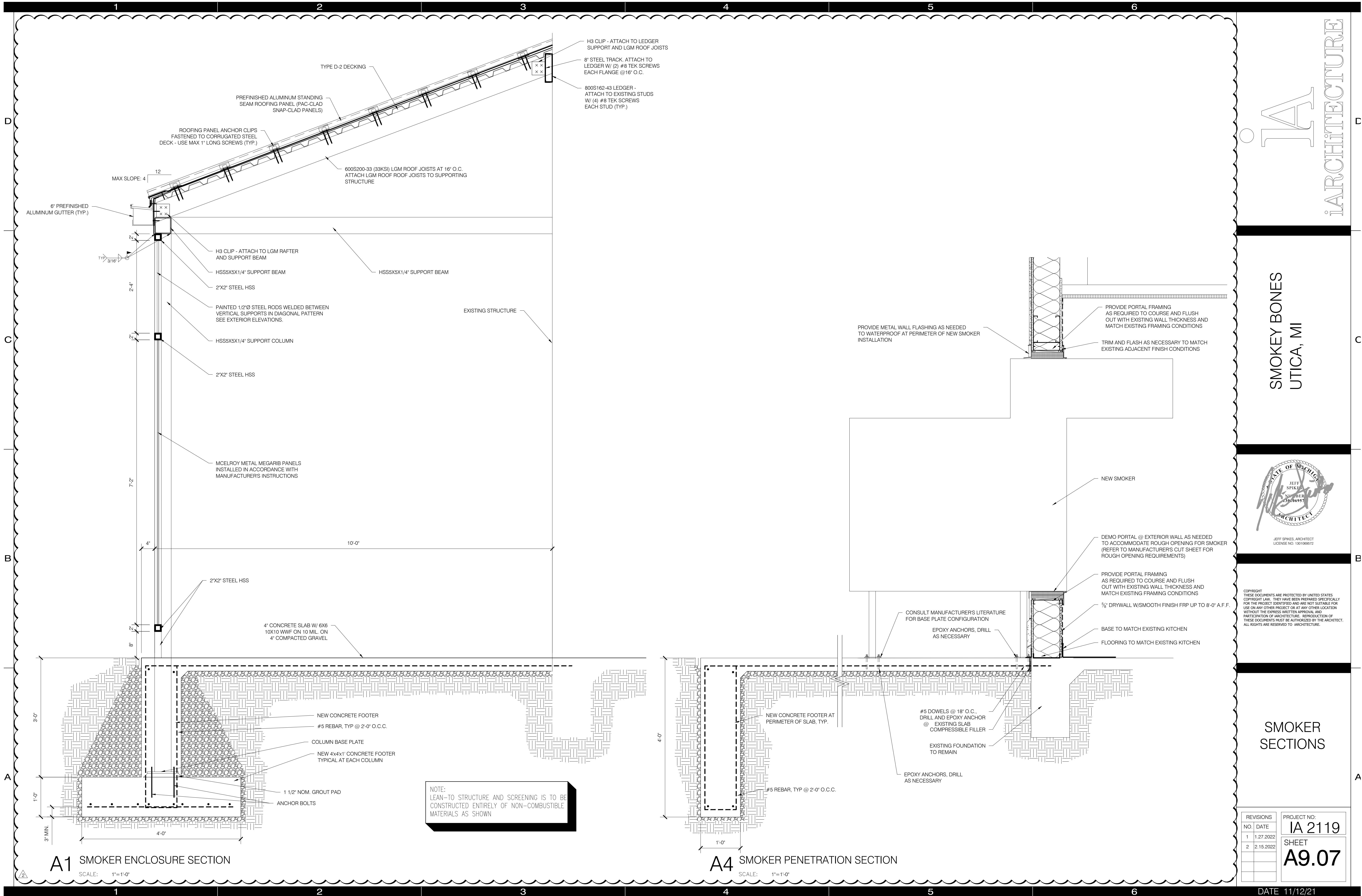
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SMOKER
SECTIONS

REVISIONS		PROJECT NO:
NO.	DATE	IA 2119
1	1.27.2022	SHEET A9.07
2	2.15.2022	

CONCRETE

1. CONCRETE IS NORMAL WEIGHT AND SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF AT 28 DAYS:

a. FOUNDATIONS:3000 PSI
2. CONCRETE BAR REINFORCEMENT SHALL BE NEW BILLET STEEL CONFORMING TO ASTM A615 (60,000 PSI YIELD).
3. WELDED WIRE REINFORCEMENT SHALL CONFORM TO ASTM A-185, AND SHALL BE FURNISHED AND PLACED IN FLAT SHEETS.
4. UNLESS OTHERWISE NOTED, CONCRETE WORK SHALL CONFORM TO THE ACI STANDARD "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318-14) AND THE ACI "DETAILING MANUAL" (SP-66 2004 EDITION).
5. MINIMUM CONCRETE COVER SHALL BE (UNLESS OTHERWISE NOTED):

a. UNFORMED SURFACES IN CONTACT WITH GROUND /FOOTING BOTTOMS.3"

b. FORMED SURFACES IN CONTACT WITH GROUND OR EXPOSED TO THE WEATHER (GRADE BEAMS, WALLS, ETC.)2"

c. IN ALL CASES, CLEARANCE NOT LESS THAN THE DIAMETER OF THE BARS.

NOTE: MAXIMUM DEVIATION FROM THESE REQUIREMENTS SHALL BE +1/4" FOR SECTIONS TEN (10) INCHES OR LESS AND +1/2" FOR SECTIONS OVER TEN (10) INCHES THICK.

STRUCTURAL STABILITY

1. STRUCTURAL STABILITY IS DEPENDENT ON A FULLY COMPLETED STRUCTURE.
2. THE FULLY COMPLETED STRUCTURE IS DESIGNED TO BE STABLE AND TO RESIST THE CODE PRESCRIBED LATERAL AND GRAVITY FORCES.

a. "FULLY COMPLETE" INCLUDES, BUT IS NOT LIMITED TO:

a) BEAMS, COLUMNS IN PLACE AND ARE CONNECTED AS REQUIRED ON THE CONTRACT DOCUMENTS.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE IN ITS INCOMPLETE STAGE, INCLUDING BUT NOT LIMITED TO:

a. DETERMINING ERECTION AND PLACING PROCEDURES.

b. DESIGNING AND PROVIDING TEMPORARY SUPPORTS, SUCH AS TEMPORARY SHORING, BRACING, GUYS AND TIE-DOWNS.

c. DESIGNING AND PROVIDING SEI/ASCE 37-14, "DESIGN LOADS ON STRUCTURES DURING CONSTRUCTION" AS A REFERENCE TO DETERMINE LOADS FOR TEMPORARY SUPPORTS.

STRUCTURAL STEEL

1. SHOP DETAILS, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF CURRENT AISC "SPECIFICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", AND AISC "DETAILING FOR STEEL CONSTRUCTION".
2. STRUCTURAL STEEL SHALL CONFORM TO THE YIELD STRENGTH (F_y) LISTED BELOW:

a. W, WT SHAPES50 KSI

b. HSS SQUARE AND RECTANGULAR46 KSI

c. HSS ROUND42 KSI

d. ALL OTHER PLATES AND SHAPES, U.O.N.36 KSI
3. ANCHOR RODS SHALL BE ASTM F-1554 GRADE 36 U.O.N.
4. HIGH STRENGTH BOLTS SHALL CONFORM TO "GROUP A" OR "GROUP B" U.O.N. AS OUTLINED BY AISC AND THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS
5. ANCHOR RODS, BASE PLATES OR BEARING PLATES SHALL BE LOCATED AND BUILT INTO CONNECTING WORK, PRE-SET BY TEMPLATES OR SIMILAR METHOD. PLATES SHALL BE SET IN FULL BEDS OF NON-SHRINK MORTAR OR GROUT.
6. WELDING SHALL BE DONE WITH APPROPRIATE E70 SERIES ELECTRODES COMPATIBLE WITH THE NEW AND EXISTING STEEL AND SHALL CONFORM TO THE REQUIREMENTS OF THE "CODE FOR WELDING IN BUILDING CONSTRUCTION" OF THE AMERICAN WELDING SOCIETY.
7. NO FIELD MODIFICATION TO THE FABRICATED MEMBER OR CONNECTION IS ALLOWED WITHOUT PRIOR APPROVAL BY THE STRUCTURAL ENGINEER OF THE CONTRACTOR'S SKETCHES OR SHOP DRAWINGS REFLECTING THESE MODIFICATIONS.
8. ANGLES ASSUMED LONG LEG VERTICAL (LLV) UNLESS OTHERWISE NOTED.
9. THE CONTRACTOR IS RESPONSIBLE FOR THE ERECTION SAFETY OF STEEL CONNECTIONS, INCLUDING BUT NOT LIMITED TO: CONFIGURATION, SEQUENCE, USE OF: BLOCKING, EXTENDED CLIP ANGLES, CLAMPS, ETC.

STATEMENT OF DESIGN CERTIFICATION

1. THESE CONSTRUCTION DOCUMENTS WERE PREPARED FOR COMPLIANCE WITH THE 2015 MICHIGAN BUILDING CODE AND ADOPTED DESIGN REFERENCE STANDARDS IN EFFECT AT THE TIME OF PERMIT SUBMITTAL.
2. I HEREBY CERTIFY THE STRUCTURAL DESIGN AND DOCUMENTATION CONTAINED HEREIN WAS PREPARED UNDER MY DIRECT SUPERVISION AS A REGISTERED DESIGN PROFESSIONAL LICENSED IN THE STATE OF MICHIGAN.

DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE: LAWRENCE E. LESNIAK, PE
STATE OF MICHIGAN PROFESSIONAL ENGINEERING LICENSE NO: 6201037736
LICENSE EXPIRATION DATE: APRIL 30, 2023

STATEMENT OF SPECIAL INSPECTION

1. GENERAL

a. THIS STATEMENT OF INSPECTIONS IS SUBMITTED AS A CONDITION FOR PERMIT ISSUANCE IN ACCORDANCE WITH THE SPECIAL INSPECTION REQUIREMENTS OF THE 2015 MICHIGAN BUILDING CODE.

b. REFERENCE SPECIFICATION SECTION "SPECIAL INSPECTIONS & TESTING" AND DRAWING SHEET SG-02.

SPECIAL INSPECTIONS & TESTING

1. THE FOLLOWING ITEMS REQUIRE TESTING AND/OR INSPECTION IN ACCORDANCE WITH THE STATEMENT OF SPECIAL INSPECTION, SPECIAL INSPECTION MATRIX LOCATED ON DRAWING SHEET SG-02 AND SPECIFICATIONS.

a. CAST-IN-PLACE CONCRETE

b. SOILS AND EARTHWORK

c. STEEL CONSTRUCTION

SHOP DRAWINGS & SUBMITTALS

1. PROVIDE THE FOLLOWING SHOP DRAWINGS AND SUBMITTALS FOR REVIEW TO THE STRUCTURAL ENGINEER:

a. TESTING AND INSPECTION REPORTS IN ACCORDANCE WITH PROJECT REQUIREMENTS FOR SPECIAL INSPECTIONS AND TESTING

b. CONCRETE FOUNDATIONS AND REINFORCING SHOP DRAWINGS

c. COLUMN ANCHOR BOLT SHOP DRAWINGS

d. STRUCTURAL STEEL SHOP DRAWINGS

GENERAL

1. THE STRUCTURAL DRAWINGS SHOW A PORTION OF THE WORK TO BE PERFORMED BY THE CONTRACTOR.
2. THESE NOTES ARE COMPLEMENTARY TO THE SPECIFICATIONS AND SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS.
3. SPECIFICATIONS AND DRAWINGS SHALL BE EQUAL IN AUTHORITY AND PRIORITY. SHOULD THE SPECIFICATIONS AND DRAWINGS DISAGREE IN THEMSELVES, OR WITH EACH OTHER, CONSTRUCTION SHALL BE BASED ON THE MOST STRINGENT. THE WORK REQUIRED TO BE CONSTRUCTED BY THE DOCUMENTS SHALL BE DECIDED BY THE STRUCTURAL ENGINEER IN THE EVENT OF THE ABOVE MENTIONED DISAGREEMENTS.
4. VERIFY THE SIZES, LOCATIONS, ELEVATIONS AND DETAILS OF EXISTING CONDITIONS THAT AFFECT THE WORK. INFORM THE STRUCTURAL ENGINEER OF ANY DISCREPANCIES IN DIMENSIONS, SIZES, LOCATIONS, AND CONDITIONS. PROCEEDING WITH WORK ONLY AFTER DISCREPANCIES ARE RESOLVED.
5. PROVIDE SHORING, BRACING, UNDERPINNING, AND ANY OTHER MEANS REQUIRED TO PROTECT AND MAINTAIN THE SAFETY, INTEGRITY AND STABILITY OF ALL EXISTING AND NEW CONSTRUCTION.
6. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AT THE SITE, INCLUDING UTILITIES, SERVICES, ETC., AND SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGE HE CAUSES TO THE PROPERTY, EXISTING AND NEW CONSTRUCTION, AND FOR ANY UNAUTHORIZED DISRUPTIONS TO THE OWNER'S NORMAL USE OF UTILITIES, SERVICES AND THE SURROUNDING FACILITIES.
7. CONTRACTOR SHALL OBTAIN APPROVAL OF THE STRUCTURAL ENGINEER PRIOR TO PLACING OPENINGS OR SLEEVES NOT SHOWN ON DRAWINGS THROUGH ANY STRUCTURAL MEMBERS.
8. TYPICAL DETAILS APPLY TO ALL DRAWINGS AND SHALL BE USED EXCEPT WHERE OTHERWISE SHOWN OR NOTED.

FOUNDATIONS

1. THE FOUNDATION DESIGN IS BASED ON A SOIL BEARING CAPACITY OF 1,500 PSF.
2. FOOTINGS SHALL BE CARRIED DOWN TO UNDISTURBED SOIL HAVING A MINIMUM NET ALLOWABLE BEARING CAPACITY OF 1,500 POUNDS PER SQUARE FOOT AT MINIMUM DEPTHS NECESSARY TO ACHIEVE FROST PROTECTION.
3. REQUIRED SITE DEMO AND EARTHWORK.

a. INSPECT EXPOSED SUBGRADE WITH GEOTECHINCAL ENGINEER TO DETERMINE ITS SUITABILITY IN PLACE.

b. NO FOOTINGS SHALL BE PLACED IN WATER.
4. FINISHED EXCAVATIONS AND BEARING GRADES SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL INSPECTION AGENCY BEFORE ANY CONCRETE IS PLACED.
5. THE EXPOSED SUBGRADE SOILS ARE SENSITIVE TO DISTURBANCE. CONSTRUCTION TRAFFIC OVER EXPOSED FOUNDATION SUBGRADES SHALL BE AVOIDED.

STRUCTURAL DESIGN LOADS

1. DESIGN CODEMICHIGAN BUILDING CODE 2015

DESIGN LOAD COMBINATIONSPER ASCE 7-10 SECTION 2.3 & 2.4 & MBC SECTION 1605
2. ROOF LIVE LOADS (UNFACTORED)

a. GROUND SNOW LOAD, "P_s"25 PSF

b. MINIMUM FLAT ROOF DESIGN SNOW LOAD20 PSF

c. RISK CATEGORYII

d. SNOW EXPOSURE FACTOR, "C_e"1.00

e. SNOW THERMAL FACTOR, "C_t"1.00

f. SNOW LOAD IMPORTANCE FACTOR, "I_s"1.00
3. LIVE LOAD DEFLECTION

a. ROOF MEMBERS HAVE BEEN DESIGNED TO ACCOMMODATE A LIVE LOAD DEFLECTION OF (FACADE ATTACHMENTS INCLUDING, BUT NOT LIMITED TO, ALUMINUM STOREFRONT AND ALUMINUM CURTAIN WALL SYSTEMS SHALL BE DESIGNED TO ACCOMMODATE DEFLECTION OF THE PRIMARY STRUCTURE AS OUTLINED ABOVE) L/360
5. SUPERIMPOSED DEAD LOADS (UNFACTORED)

a. TYPICAL ROOF:

a) ROOFING ASSEMBLY15 PSF
6. ULTIMATE DESIGN WIND LOAD

a) LATERAL LAOD CAPACITY OF THE STRUCTURAL WAS NOT AFFECTED BY THE COLUMN RELOCATION.
7. SEISMIC LOADS

a) LATERAL LOAD CAPACITY OF THE STRUCTURAL WAS NOT AFFECTED BY THE COLUMN RELOCATION

STRUCTURAL DRAWING INDEX	
SHEET NUMBER	SHEET NAME
SG-01	General Notes
SG-02	Special Inspections & Testing
SG-03	Specifications
SP-01	Foundation Plan
SP-02	Roof Framing Plan
SS-01	Sections



REVISION	DATE	BY	DESCRIPTION
1	10-25-2021	LL	Permits

General Notes

SMOKEY BONES

45011 SCHOENHERR

UTICA, MI 48315

efi global

EFI Global of Michigan, LLC

2825 Conlay Hwy, Suite 215 • Troy, MI 48064

P: (800) 688-0228 • www.efiglobal.com

EFI FILE NUMBER

016.03857

PROFESSIONAL ARCHITECTS

PROFESSIONAL ENGINEERS

PROFESSIONAL SURVEYORS

2825 Conlay Hwy, Suite 215 • Troy, MI 48064

DESIGN PROJECT: 16-00001

(586) 772-2222 PHONE

(586) 772-4048 FAX

KEM-TEC & ASSOCIATES

72 HOURS (3 WORKING DAYS) BEFORE YOU DIG CALL MISS DIG

800-482-7171 (TOLL FREE)

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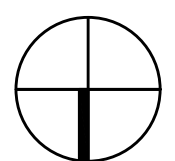
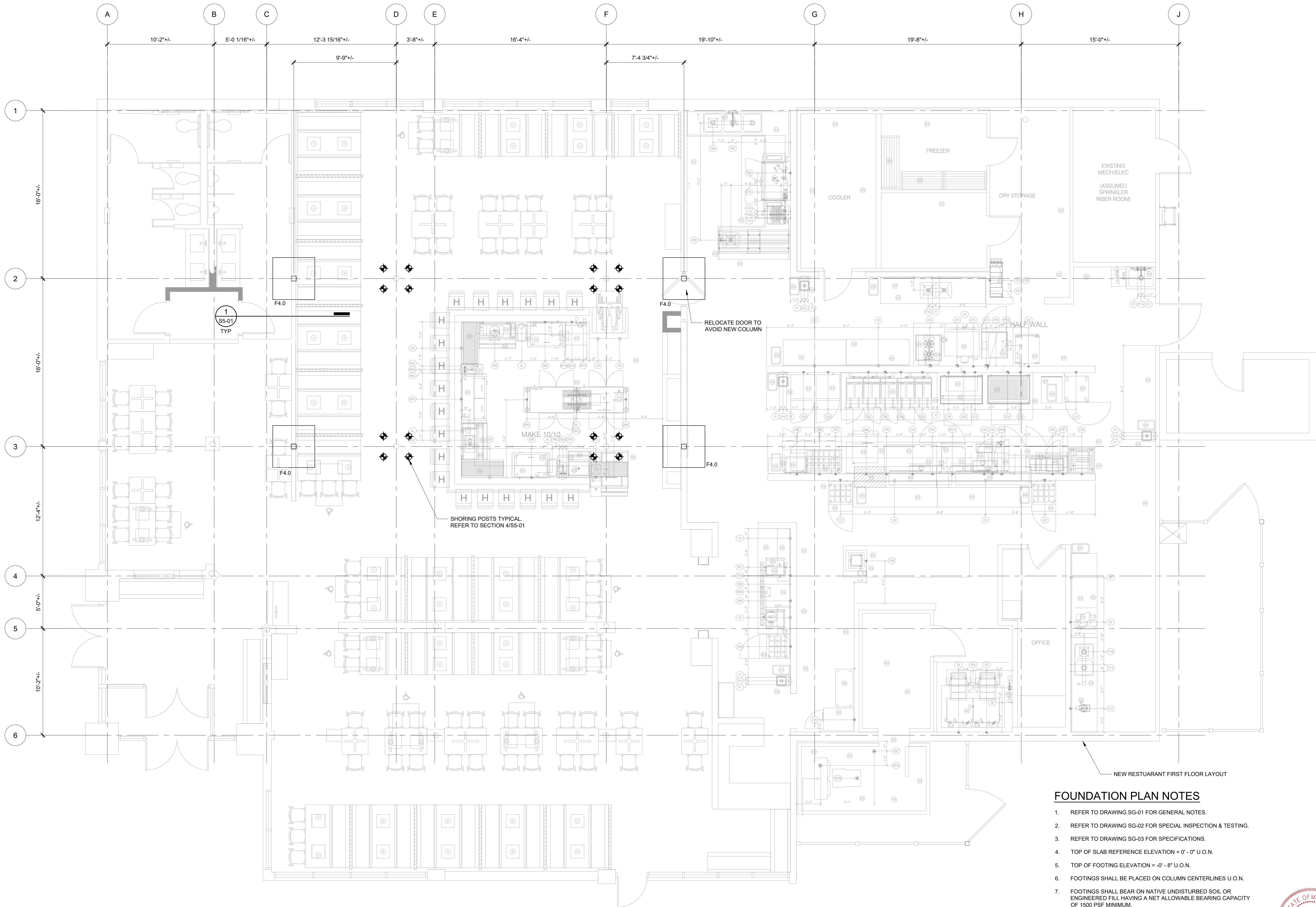
DRAWN BY: L. LESNIAK

SCALE: AS NOTED

DATE: 10/25/2021

PROJECT NO: 21-02333

SHEET NO: SG-01



NEW FOUNDATION PLAN

SCALE: 1/4" = 1'-0" (24" X 36")

SPREAD FOOTING SCHEDULE				
Type Mark	Length	Width	Thickness	Reinforcing
F-4.0	4'-0"	4'-0"	1'-4"	(4) #6 EA WAY @ BOTT

FOUNDATION PLAN NOTES

- REFER TO DRAWING SG-01 FOR GENERAL NOTES.
- REFER TO DRAWING SG-02 FOR SPECIAL INSPECTION & TESTING.
- REFER TO DRAWING SG-03 FOR SPECIFICATIONS.
- TOP OF SLAB REFERENCE ELEVATION = 0' - 0" U.O.N.
- TOP OF FOOTING ELEVATION = -0' - 8" U.O.N.
- FOOTINGS SHALL BE PLACED ON COLUMN CENTERLINES U.O.N.
- FOOTINGS SHALL BEAR ON NATIVE UNDISTURBED SOIL OR ENGINEERED FILL HAVING A NET ALLOWABLE BEARING CAPACITY OF 1500 PSF MINIMUM.
- WHEN ADEQUATE BEARING CAPACITY IS NOT FOUND AT FOOTING DESIGN BEARING ELEVATION, UNDERCUT SUBGRADE TO ADEQUATE BEARING STRATUM AND FILL WITH COMPACTED ENGINEERED FILL OR LOW-STRENGTH FLOWABLE CONCRETE FILL.



Foundation Plan

SMOKEY BONES

45011 SCHONHERR

UTICA, MI 48315

efi global

EFI Global of Michigan, LLC

2825 Conkle Hwy, Suite 215 • Troy, MI 48064

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22550 GRANT ROAD

ANN ARBOR, MI 48106

(586) 772-2222 PHONE

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& ASSOCIATES

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SCALE: AS NOTED

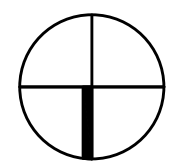
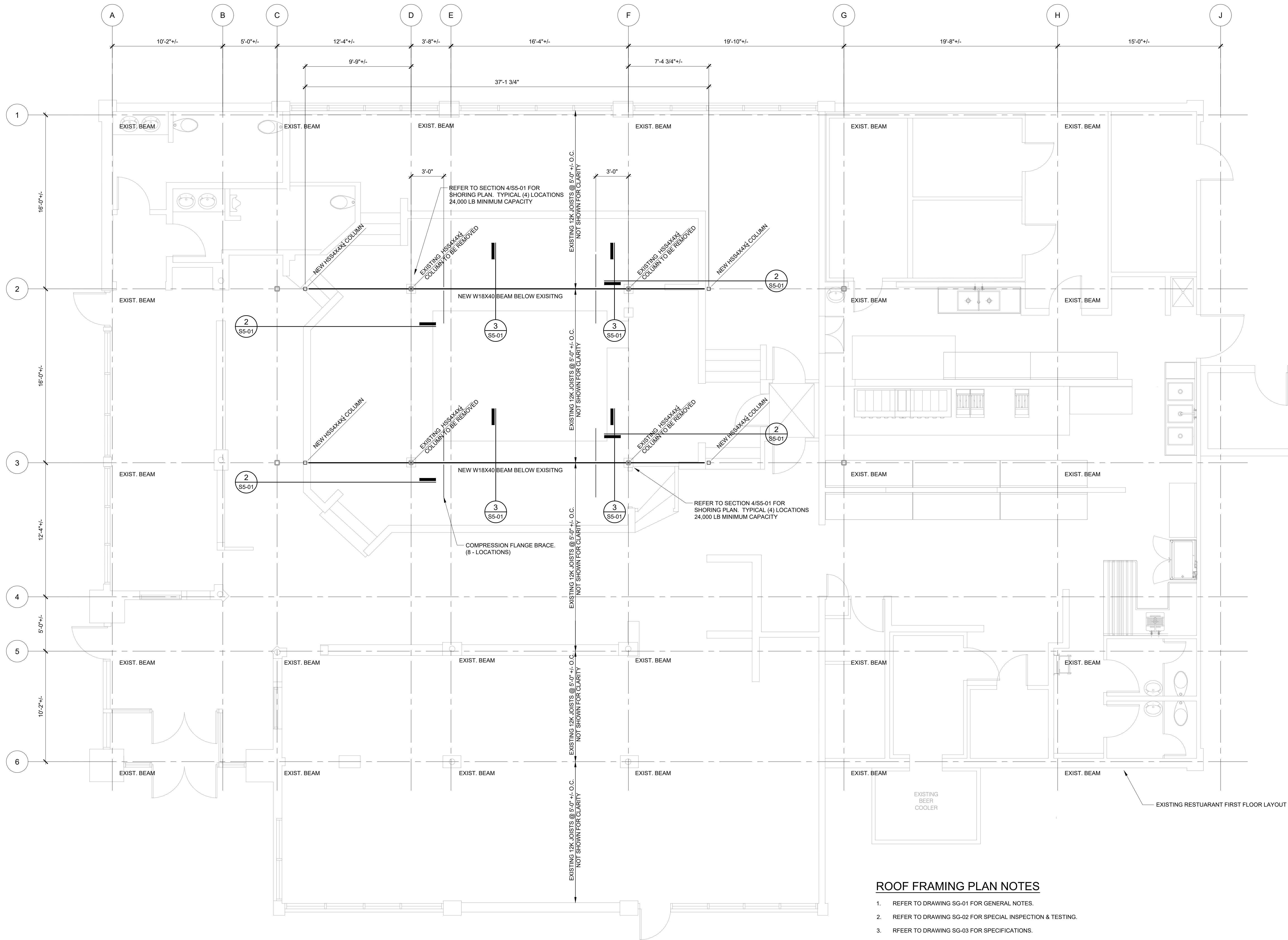
DATE: 10/25/2021

PROJECT NO: 21-02333

SHEET NO:

SP-01

REVISION	DATE	BY	DESCRIPTION
1	10-25-2021	LL	Permits



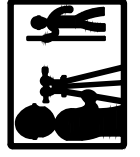
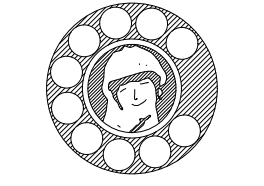
ROOF FRAMING MODIFICATION
SCALE: 1/4" = 1'-0" (24" X 36")

ROOF FRAMING PLAN NOTES

1. REFER TO DRAWING SG-01 FOR GENERAL NOTES.
2. REFER TO DRAWING SG-02 FOR SPECIAL INSPECTION & TESTING.
3. REFEER TO DRAWING SG-03 FOR SPECIFICATIONS.
4. TYPICAL DETAILS APPLY TO ALL DRAWINGS. USE THROUGHOUT EXCEPT WHERE OTHERWISE SHOWN OR NOTED.
4. TOP OF STEEL @ HP = REFER TO SECTIONS.



72 HOURS
(3 WORKING DAYS)
BEFORE YOU DIG
CALL MISS DIG
800-482-7171
(TOLL FREE)



**KEM-TEC
& ASSOCIATES**

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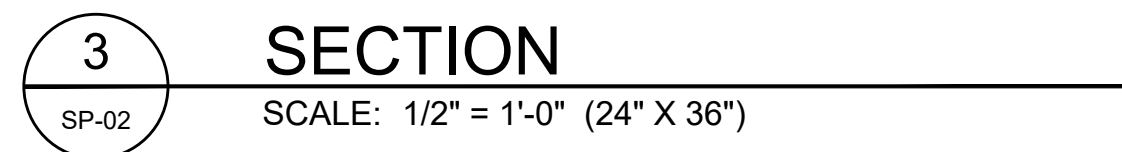
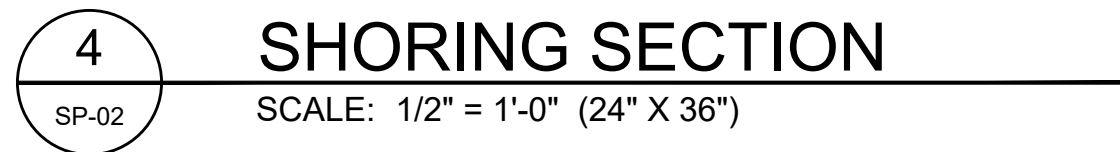
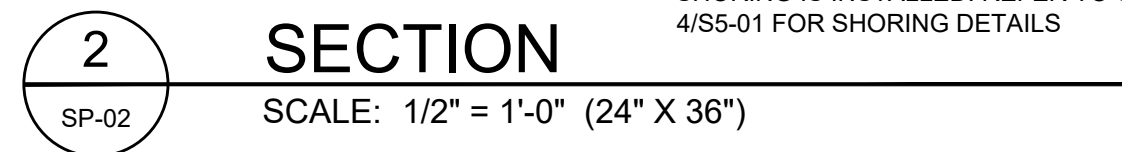
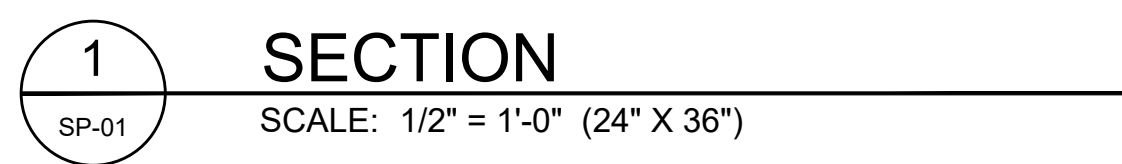


Roof Framing Plan
SMOKEY BONES
45011 SCHOENHERR
UTICA, MI 48315

REVISION	DATE	BY	PERMITS	DESCRIPTION
1	10-25-2021	LL		

DRAWN BY:	L. LESNIAK
SCALE:	AS NOTED
DATE:	10/25/2021
PROJECT NO:	21-02333

SHEET NO:
SP-02



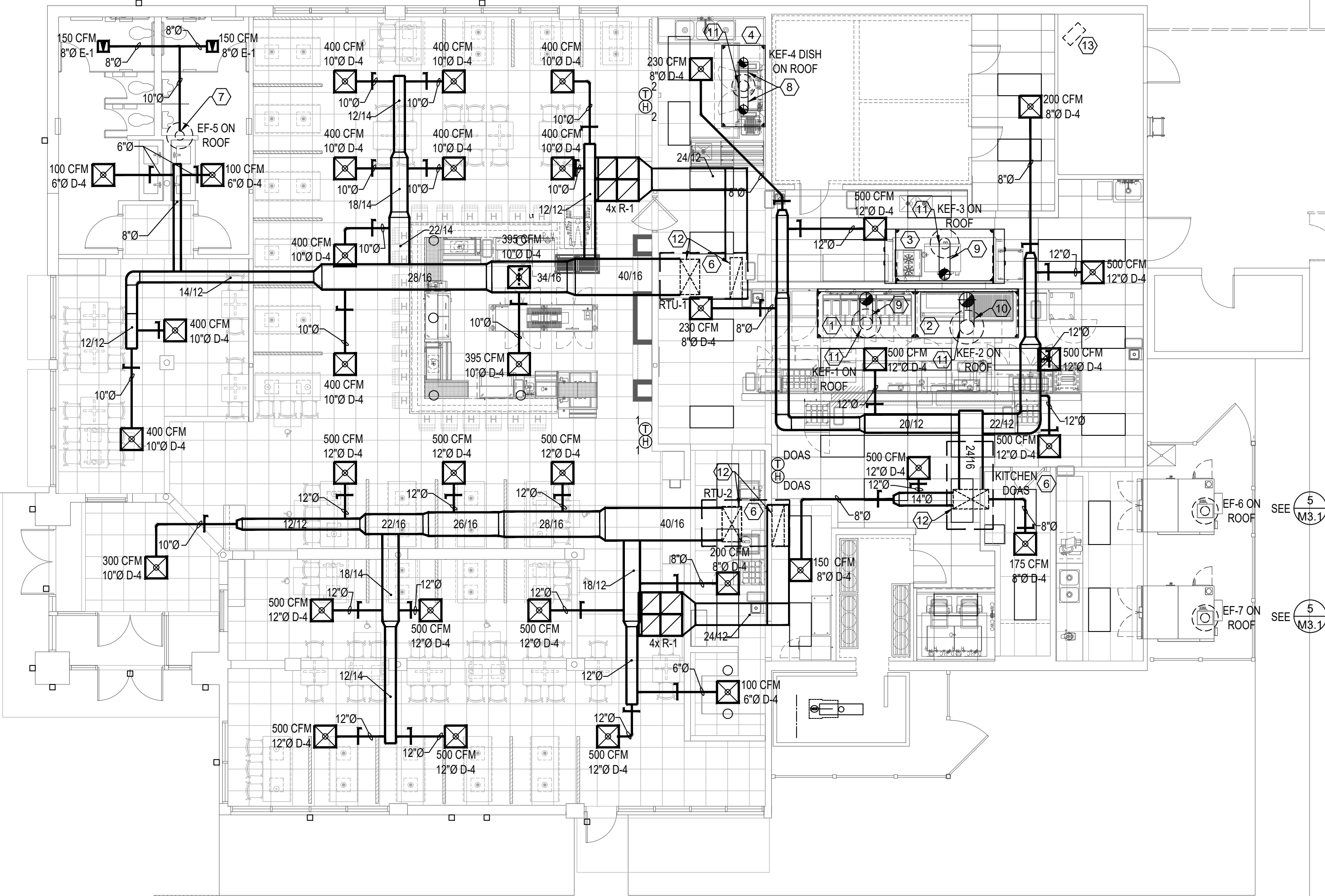
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1 FLOOR PLAN - HVAC
M1.0 1/8" = 1'-0"

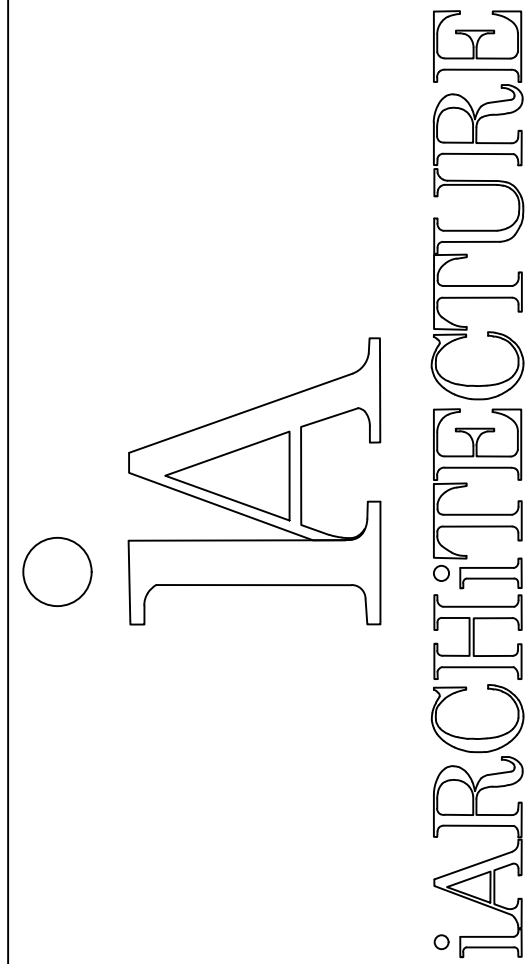


GENERAL NOTES THIS SHEET:

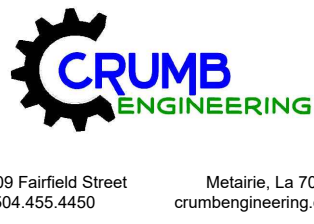
- DUCT SIZES SHOWN ARE FREE AREA SIZES. SEE SPECIFICATIONS FOR DUCT MATERIALS AND INSULATION.
- ALL DUCTWORK SHALL BE EXTERNALLY WRAPPED UNLESS NOTED OTHERWISE. INTERNALLY LINE ALL DUCTWORK FOR FIRST 10' OF SUPPLY AND RETURN FROM UNIT. EXPOSED RECTANGULAR DUCTWORK SHALL BE INTERNALLY LINED. ALL RETURN PLENUMS AND TRANSFER DUCTS SHALL BE INTERNALLY LINED.
- PROVIDE VOLUME DAMPERS AT ALL TAPS INTO MAIN DUCT RUNS. PROVIDE VOLUME DAMPERS AT MAIN RETURN AND OUTSIDE AIR DUCTS.
- INSULATE THE BACK OF ALL DIFFUSERS.
- NO FLEX DUCT RUN SHALL EXCEED 8 FEET.
- 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.
- PROVIDE FLEXIBLE CONNECTIONS AT SUPPLY AND RETURN CONNECTIONS TO AC UNITS.
- TOILET AND JANITOR EXHAUST FANS TO BE INTERLOCKED WITH ROOM LIGHT SWITCH.
- 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.
- PROVIDE ACCESS TO ALL EQUIPMENT, INCLUDING ACCESS PANELS WHERE REQUIRED.
- ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE SUPPORTS, DUCTWORK, PIPING, CONTROLS, ETC AS REQUIRED.
- 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.
- 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.
- PROVIDE THERMOSTATS AND CONTROL WIRING FOR ALL AC AND FAN SYSTEMS SHOWN ON DRAWINGS.
- PROVIDE TEST AND BALANCE FOR ALL AC AND FAN SYSTEMS.
- PROVIDE INSULATED PLENUM BOXES (MINIMUM 12" DEEP UNLESS OTHERWISE NOTED) AT ALL LOUVERS FOR DUCT CONNECTIONS.
- PROVIDE INSULATED CONDENSATE DRAIN PIPING FOR ALL AC SYSTEMS.
- 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.
- ALL KITCHEN AND DISHWASHER EXHAUST SHALL BE 18 GA, 304 SS FULLY WELDED INSTALLED PER NFPA-96 REQUIREMENTS. PROVIDE GASKETED, HIGH TEMPERATURE DUCT CLEANOUTS PER CODE.
- SEE M3.0 AND M3.1 FOR DUCTWORK DETAILS.

SPECIFIC NOTES THIS SHEET:

- HOOD 1. SEE M4 SHEETS FOR DETAILS.
- HOOD 2. SEE M4 SHEETS FOR DETAILS.
- HOOD 3. SEE M4 SHEETS FOR DETAILS.
- HOOD 4. SEE M4 SHEETS FOR DETAILS.
- CAPTIVEAIRE FACTORY DESIGNED STAINLESS STEEL ROUND DISTRIBUTION DUCT. COORDINATE EXACT REQUIREMENTS WITH MANUFACTURER. THE DUCT SYSTEM IS OWNER FURNISHED, CONTRACTED RECEIVED AND INSTALLED.
- ROOFTOP UNIT. SEE M4 SHEETS FOR SCHEDULES.
- 10'0" UP TO EF ON ROOF.
- 10'0" 18 GA, 304 SS FULLY WELDED DUCT UP TO EF ON ROOF.
- 14'0" 18 GA, 304 SS FULLY WELDED DUCT UP TO EF ON ROOF.
- 16'0" 18 GA, 304 SS FULLY WELDED DUCT UP TO EF ON ROOF.
- CONNECT HOOD EXHAUST DUCT TO HOOD EXHAUST COLLAR.
- TRANSITION AND CONNECT TO UNIT OPENING.
- EXISTING GAS UNIT HEATER TO REMAIN.

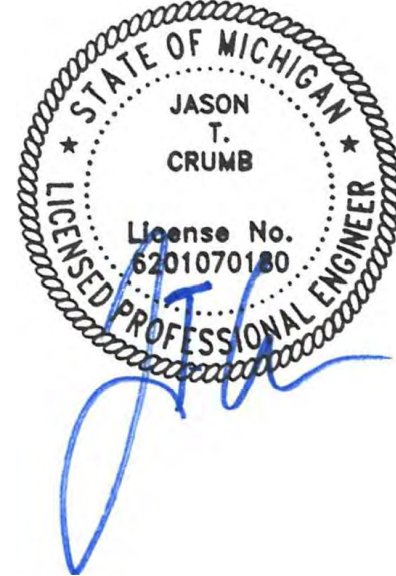


SMOKEY BONES
UTICA, MI

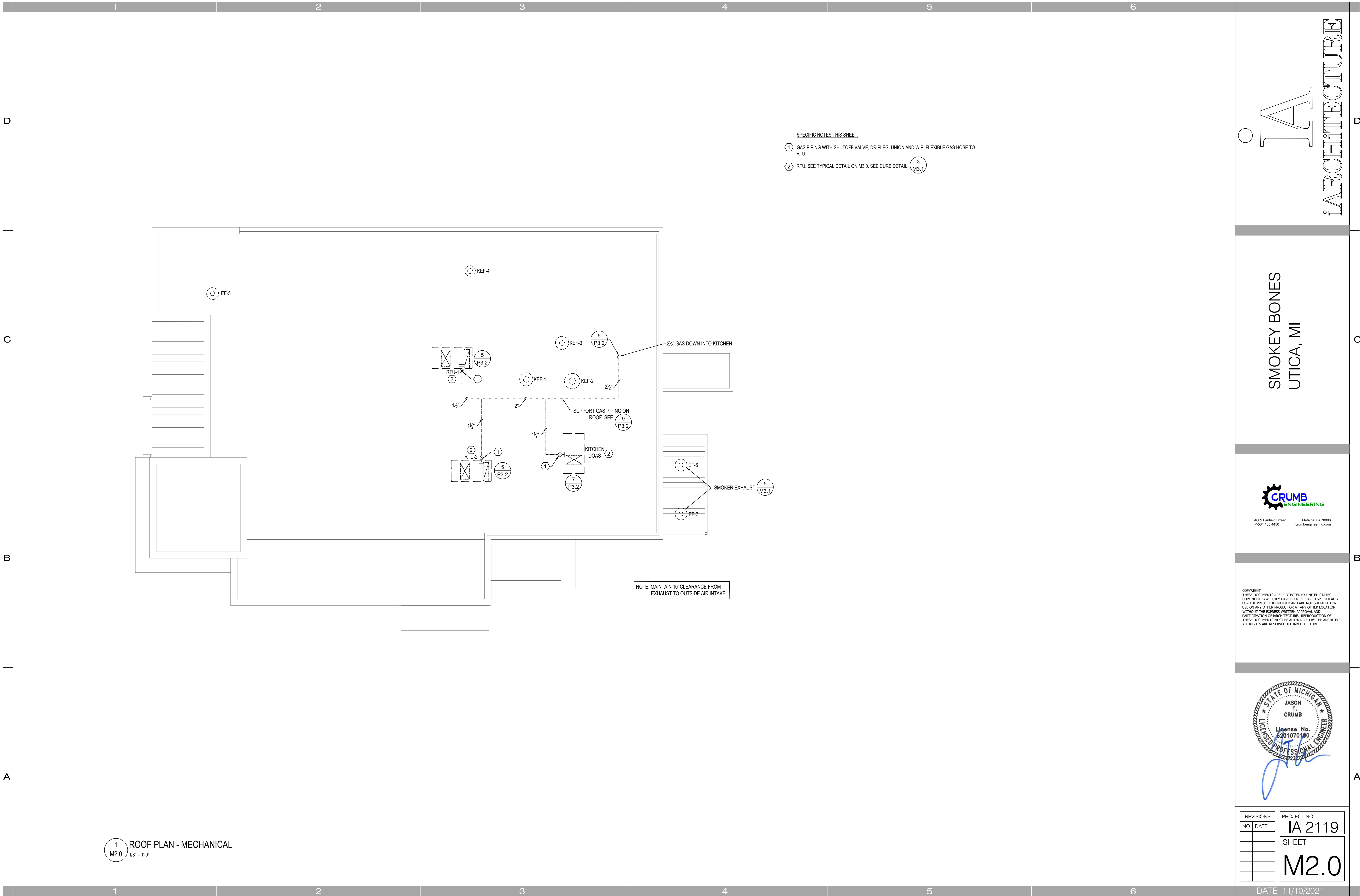


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REVISIONS	PROJECT NO:
NO. DATE	IA 2119
	SHEET
	M1.0

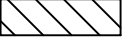


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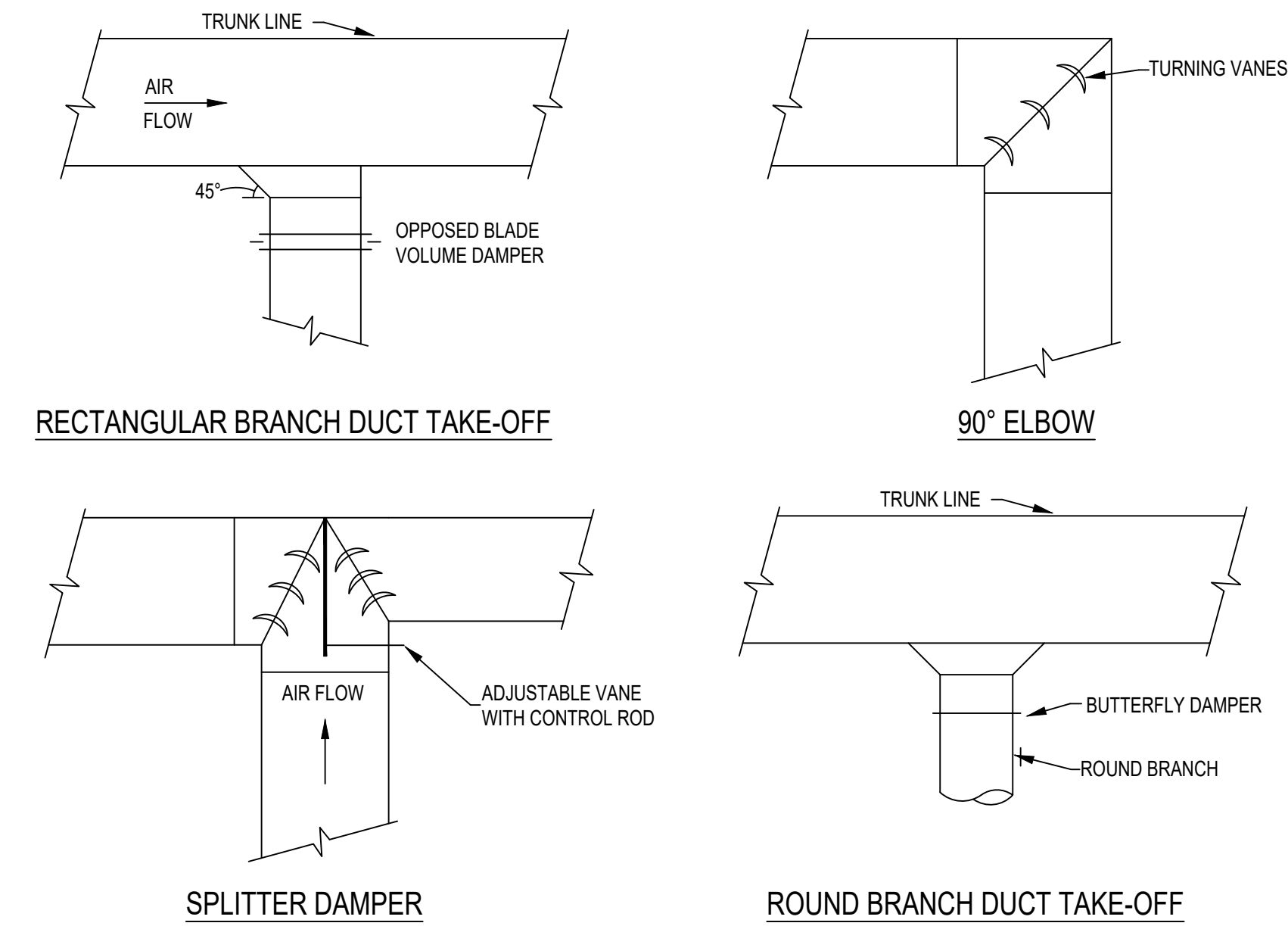
B

A

MECHANICAL		LEGEND	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CHILLED WATER SUPPLY	O/A	OUTSIDE AIR
	CHILLED WATER RETURN	R/A	RETURN AIR
	HEATING WATER RETURN	RAG	RETURN AIR GRILLE
	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)

DIFFUSER	GRILLE & REGISTER	SCHEDULE
MARK	DESCRIPTION	
D	PERFORATED ALUMINUM CEILING DIFFUSER NO AIR PATTERN, 24"x24" LAY-IN FRAME, ROUND NECK AND WHITE FINISH.	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

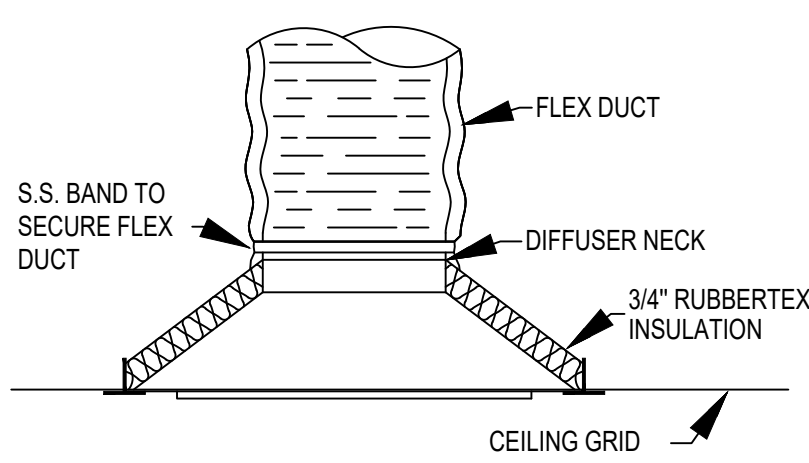
- NOTES:
- PROVIDE PLASTER FRAME FOR DIFFUSERS/GRILLES IN SHEETROCK CEILINGS.
 - PROVIDE PLENUM BOX AT REAR OF ALL RETURN GRILLES SIZED FOR GRILLE NECK FOR CONNECTION OF RETURN DUCTS.
 - INSULATE BACK OF ALL DIFFUSERS. SEE DETAIL ON DRAWINGS OR AT CONTRACTOR'S OPTION PROVIDE FACTORY BACK PAN INSULATION.
 - ADJUST LOCATION OF DIFFUSERS AS REQUIRED FOR ANY LIGHT CONFLICTS.
 - OWNER FURNISHED - CONTRACTOR RECEIVED AND SUPPLIED FOR ALL ITEMS THIS SCHEDULES.



DUCT DETAILS

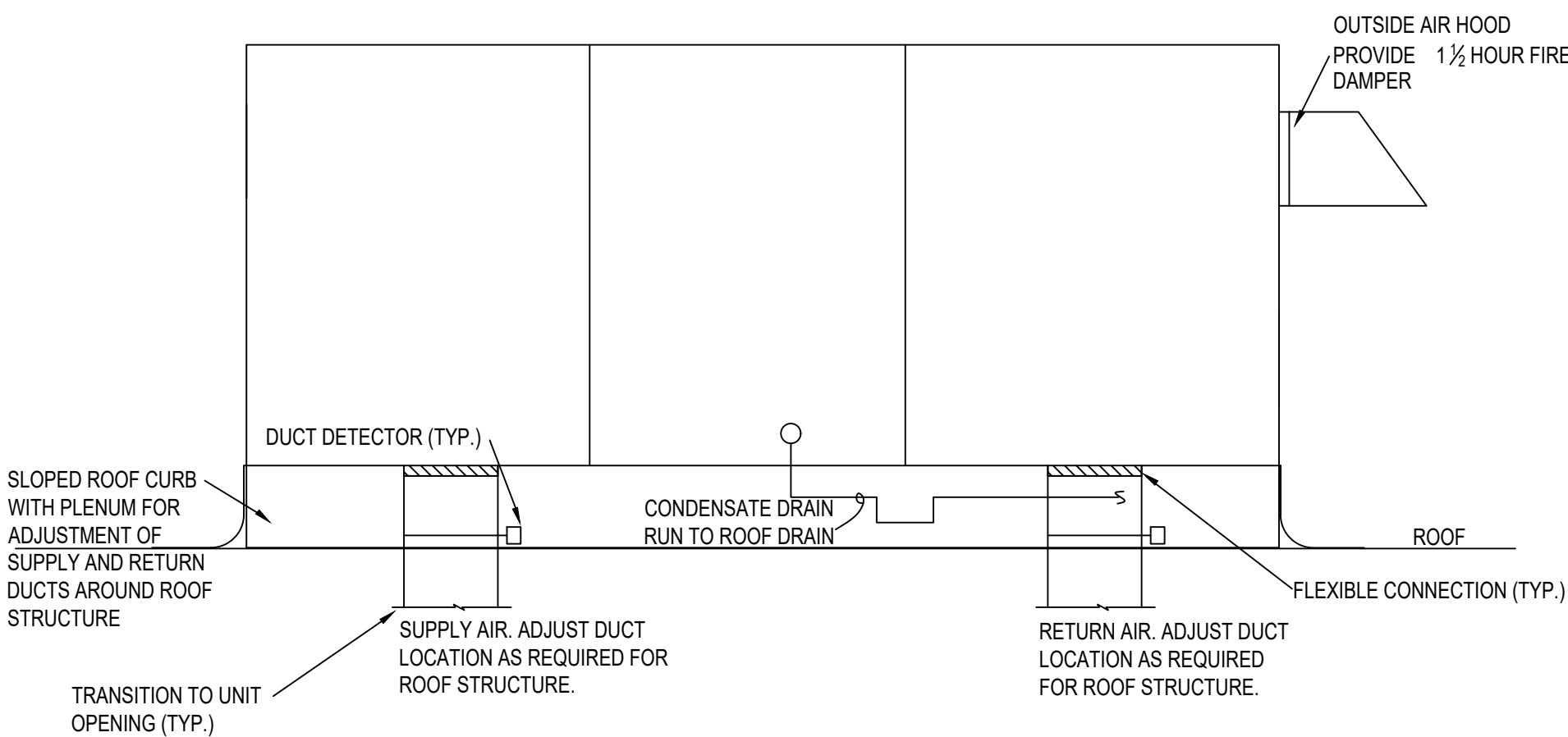
FOOD SERVICE EQUIPMENT MECHANICAL ROUGH-IN NOTES

- 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.
- WHERE APPLICABLE, ALL UTILITIES SHALL EXTEND UP THROUGH AND OUT OF BUILDING WALLS.
- EXTEND AND CONNECT ALL UTILITIES TO CONNECTION POINTS OF FOOD SERVICE EQUIPMENT - DIVISION 15.
- 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.
- 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.
- EXHAUST DUCTS SHALL BE WELDED TO DUCT COLLARS OF EXHAUST HOODS ABOVE COOKING EQUIPMENT IN ACCORDANCE WITH LATEST EDITIONS OF NFPA 96 - DIVISION 23.
- 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.
- TEMPERING OF SUPPLY AIR SHALL BE IN ACCORDANCE WITH HVAC DESIGN REQUIREMENTS - DIVISION 23.
- 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.
- DUCT ABOVE FINISHED CEILING SHALL BE WATER-TIGHT AND SLOPED SO THAT CONDENSATE FORMED WITHIN DUCT WILL DRAIN BACK INTO FUTURE DISHWASHER - DIVISION 23.



NOTE: ALL SEAMS 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

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:

- ALL DUCTWORK TO BE INSULATED WITH 2" EXTERIOR WRAP, EXCEPT FOR EXPOSED DUCTWORK WHICH SHALL BE INSULATED WITH 1" INTERNAL LINER.
- 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.
- 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.
- 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 #683 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

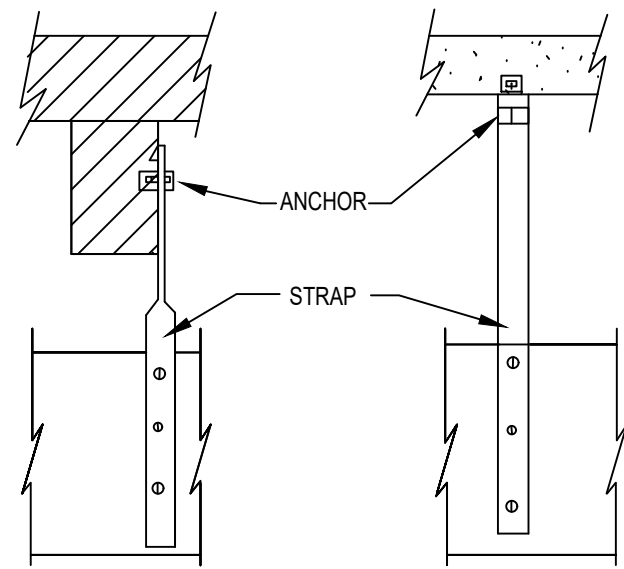
PROVIDE NEW HVAC EQUIPMENT AS SCHEDULED. SEE M4 SERIES SHEETS FOR EQUIPMENT CUTSHEETS. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. RUN REFRIGERANT PIPING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

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.

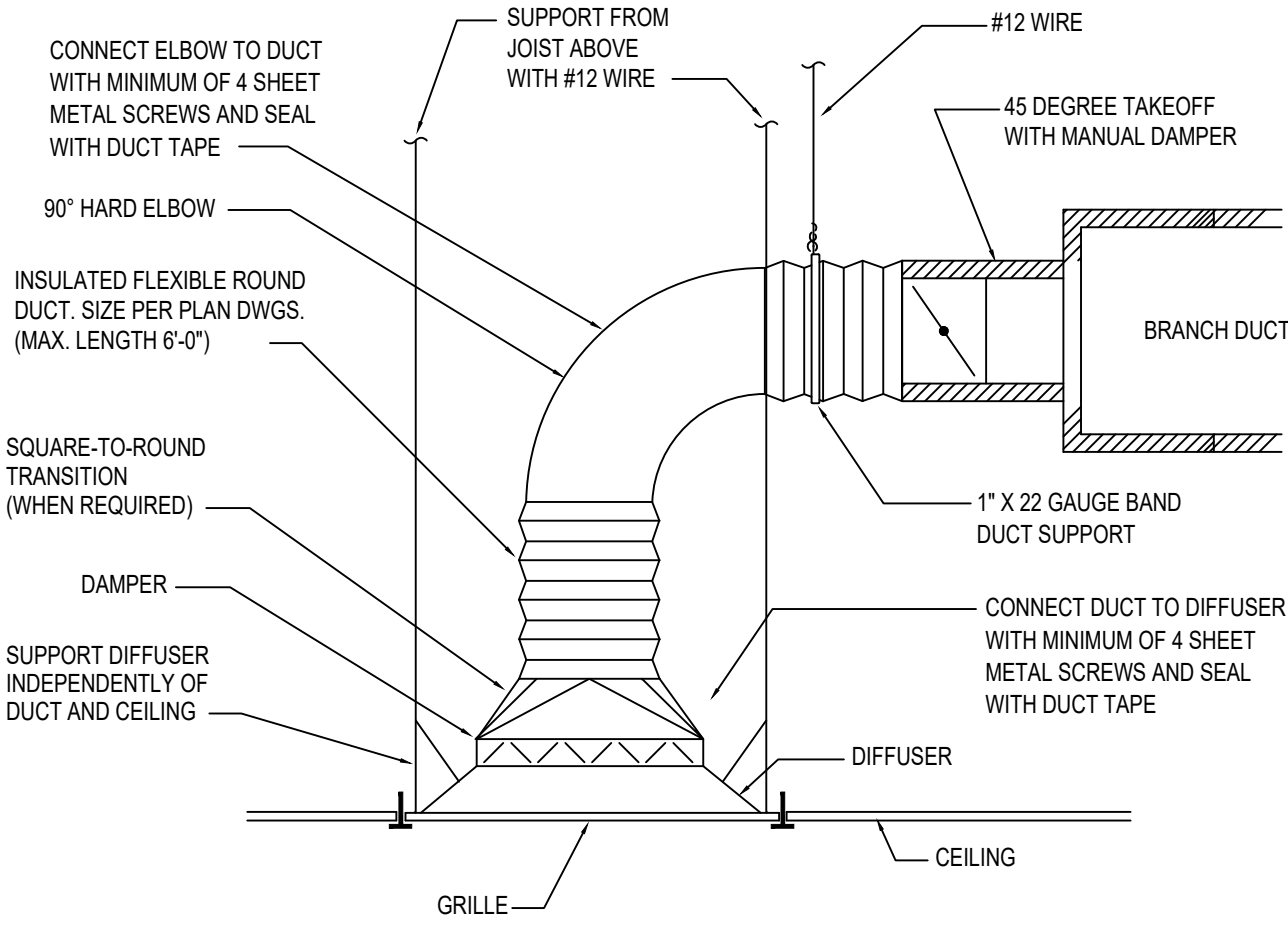
- All kitchen exhaust and dishwasher exhaust duct work shown on plans shall be constructed of 18 gauge 304 stainless steel with a liquidtight continuous external weld. Ductwork shall conform to NFPA 96 requirements. Slope duct towards hoods.
- Provide labeled, gasketed access panels as required by NFPA-96. 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.
- 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.



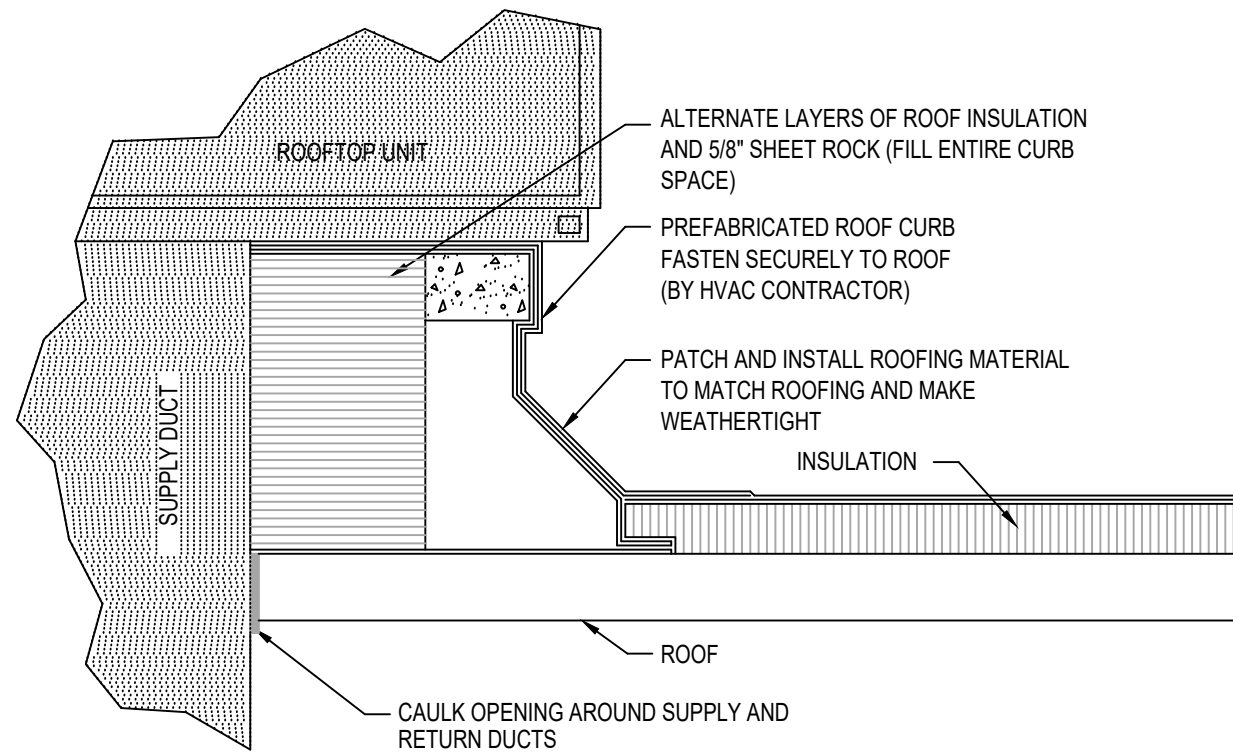
SIZING

MAX SIDE OF DUCT TO 30" OVER 30"	STRAP SIZE 1"X1/8"	SPACING 10'-0" O.C. 10'-0" O.C.

1 DUCT SUPPORT DETAIL
M3.1 N.T.S.

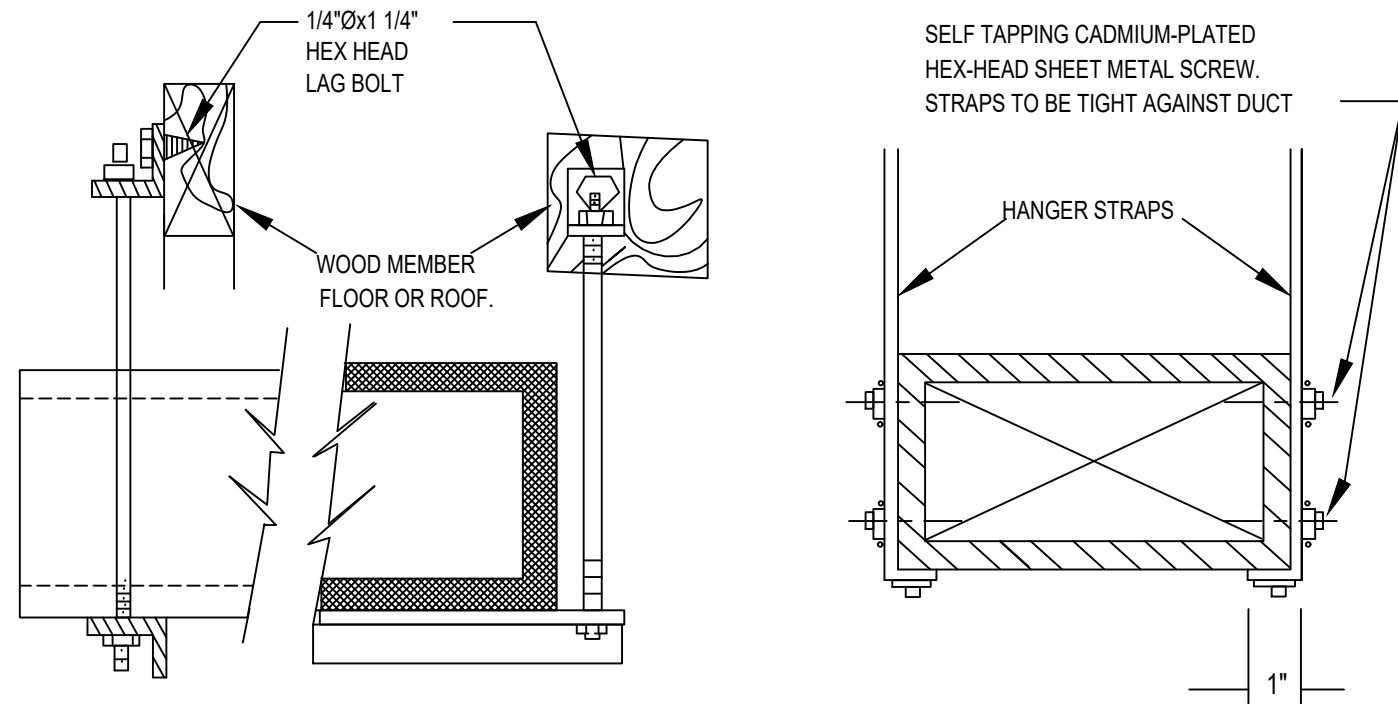


2 SUPPLY DIFFUSER
INSTALLATION DETAIL (FLEXIBLE DUCT)
M3.1 N.T.S.

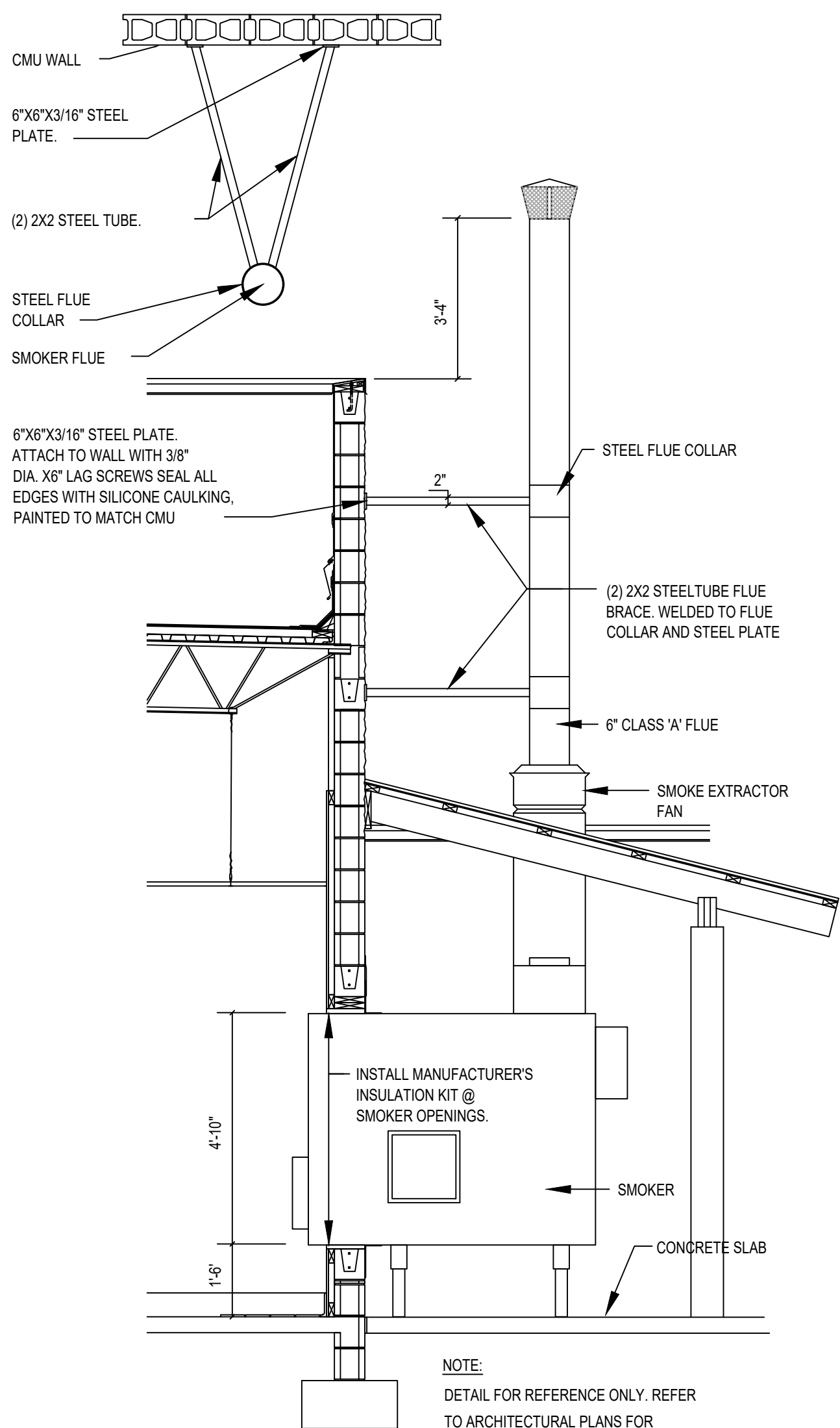


3 ROOF CURB DETAIL
M3.1 N.T.S.

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 DUCT HANGER
M3.1 N.T.S.



NOTE:
DETAIL FOR REFERENCE ONLY. REFER
TO ARCHITECTURAL PLANS FOR
CONSTRUCTION NOTES AND DETAILS.

5 SMOKER DETAIL
M3.1 N.T.S.

1 MECHANICAL SCHEDULES AND DETAILS
M3.1 NO SCALE

HOOD INFORMATION - JOB#5150263

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	RISER(S)							HOOD CONSTRUCTION	END TO END	FLOW
										WIDTH	LENGTH	HEIGHT	DIA	CFM	VEL	SP			
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' 0"	600 DEG	I	HEAVY	253	2400			4"	16"	2400	1719	-0.890"	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	RIGHT	ALONE
4	Dish	4830 VHB-G	CAPTIVEAIRE	7' 6"	700 DEG	II	N/A	107	800			4"	10"	400	733	-0.040"	304 SS 100%	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	TYPE	FILTER(S)		LENGTH	EFFICIENCY @ 7 MICRONS	QTY	LIGHT(S)	WIRE GUARD	LOCATION	SIZE	UTILITY CABINET(S)		ELECTRICAL	SWITCHES	FIRE	HOOD	
			QTY	HEIGHT								FIRE SYSTEM	SIZE					MODEL #
1	Fryers	CAPTRATE SOLO FILTER	6	20"	16"	85% SEE FILTER SPEC	3	L55 SERIES E26	NO								YES	511 LBS
2	Grill	CAPTRATE SOLO FILTER	7	20"	16"	85% SEE FILTER SPEC	3	L55 SERIES E26	NO								YES	533 LBS
3	Prep	CAPTRATE SOLO FILTER	6	20"	16"	85% SEE FILTER SPEC	5	L55 SERIES E26	NO	RIGHT	12"x60"x30"	TANK FS	4.0	DCV-3011	1 LIGHT 1 FAN		YES	893 LBS
										LEFT	12"x60"x30"							
4	Dish						0										NO	259 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	Fryers	FIELD WRAPPER 11.00' HIGH FRONT, LEFT. RISER SENSOR INSTALL 6IN PLEN. LEFT WIDE VERTICAL END PANEL 42" TOP WIDTH, 36" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
2	Grill	FIELD WRAPPER 11.00' HIGH FRONT, RIGHT. RISER SENSOR INSTALL 3IN DBL. RIGHT WIDE VERTICAL END PANEL 42" TOP WIDTH, 36" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
3	Prep	FIELD WRAPPER 11.00' HIGH FRONT, LEFT, RIGHT. RIGHT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS. RISER SENSOR INSTALL 6IN PLEN. LEFT WIDE VERTICAL END PANEL 42" TOP WIDTH, 36" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
4	Dish	FIELD WRAPPER 11.00' HIGH FRONT, LEFT, RIGHT.

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH



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

GENERAL NOTES :

1. ELECTRICAL HOOK-UP TO GAS 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. WRITTEN MEASUREMENTS HAVE PRECEDENCE OVER SCALE.
5. PROVIDE CLEANOUTS IN EXHAUST AIR DUCTS AS INDICATED TO ALLOW CLEANING AT ALL BENDS AND HORIZONTAL RUNS.
6. EXHAUST DUCT TO BE 16 GA. GAV 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 DUCTILE TO ADJACENT BUILDINGS, PROPERTY LINES, AIR INTAKES OR 3 FT. VERTICAL CLEARANCE PER NFPA.
8. HORIZONTAL EXHAUST DUCT TO SLOPE NOT LESS THAN 1/4" PER FOOT TOWARD HOOD FOR DUCT LESS THAN 75' LONG.
1" PER FOOT SLOPE FOR DUCT LONGER THAN 75' ON ALL OPEN SIDES.
9. HOOD TO OVERHANG COOKING EQUIPMENT 6" ON ALL OPEN SIDES.
10. EXHAUST DUCT TO BE PROTECTED FROM COMBUSTIBLES PER NFPA AND LOCAL CODE.
11. BUILDING PRESSURE SHALL NOT EXCEED 0.02" WATER COLUMN AT EXTERIOR DOORS.
12. 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)378-2471 FAX: (813)354-4825

CUSTOMER APPROVAL TO MANUFACTURE:

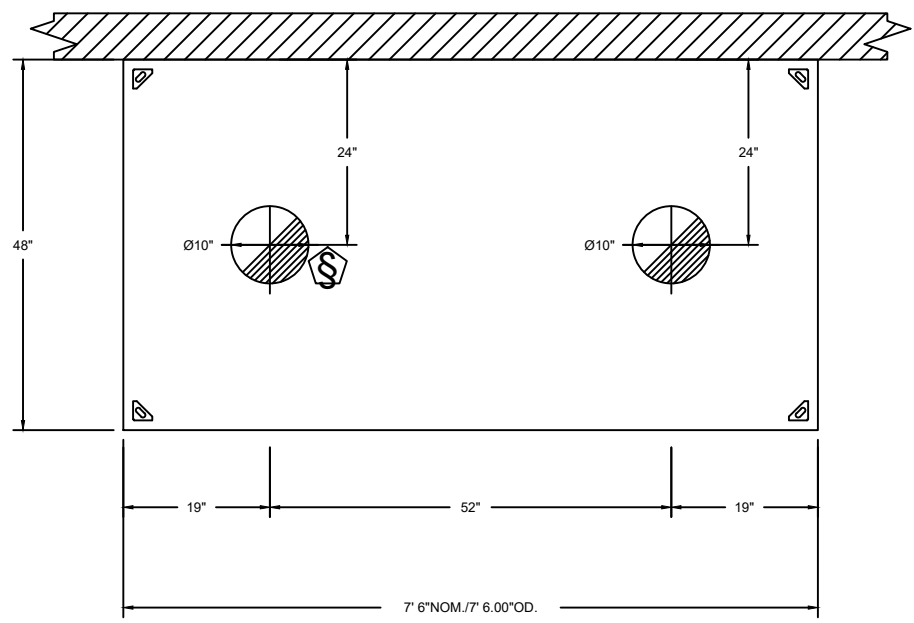
Approved as Noted ☐

Approved with NO Exception Taken ☐

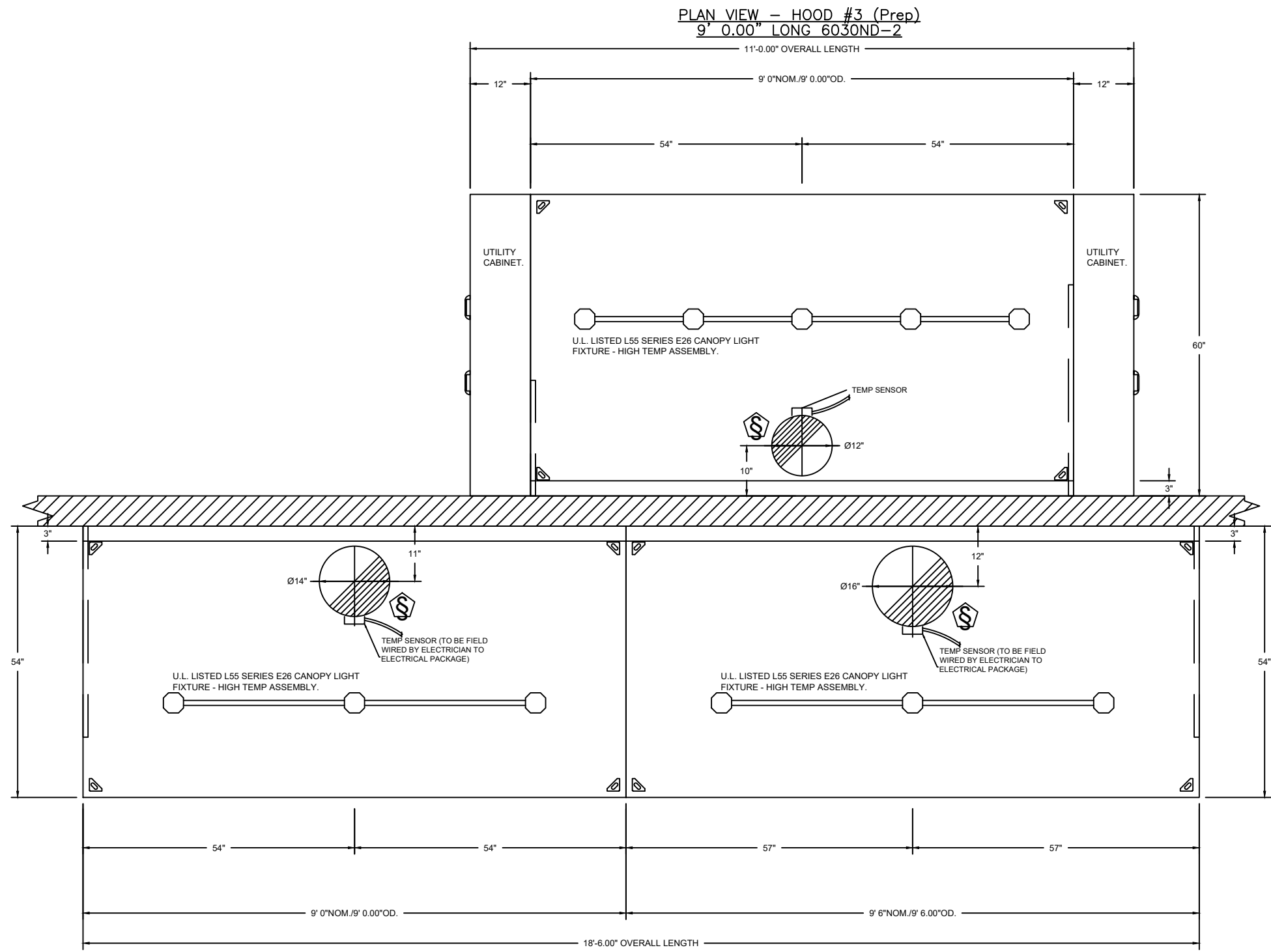
Revised and Resubmit ☐

SIGNATURE _____

Your Title _____ Date _____

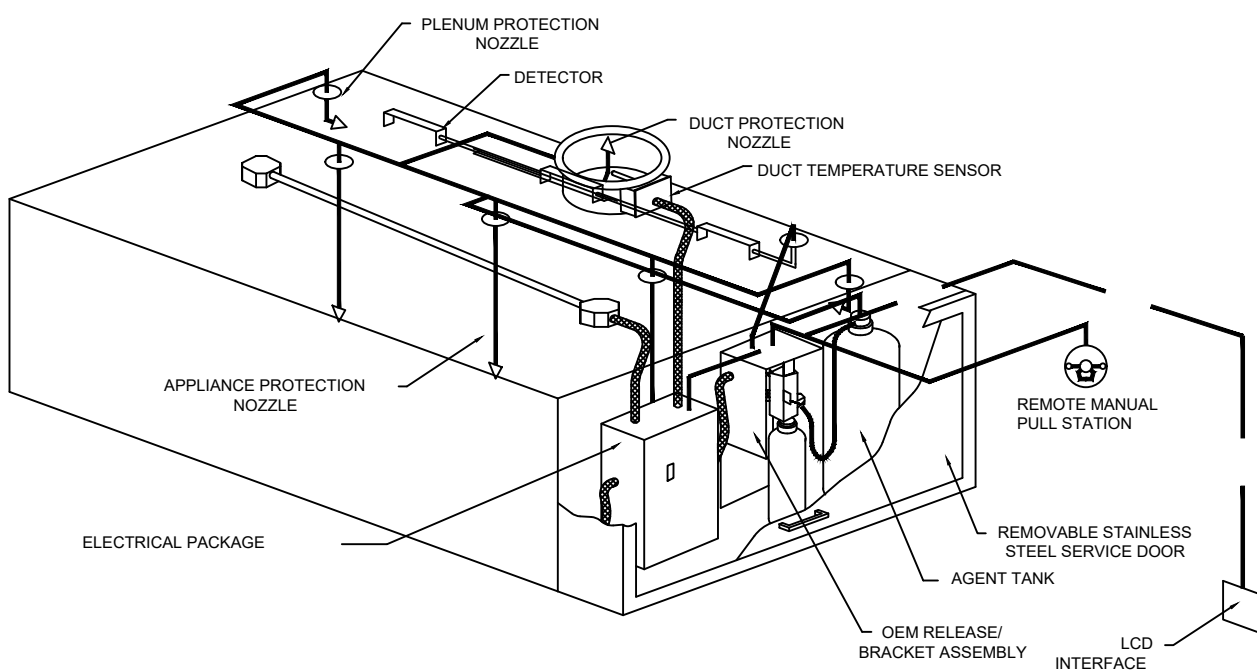


PLAN VIEW - HOOD #4 (Dish)
7' 6.00\"/>

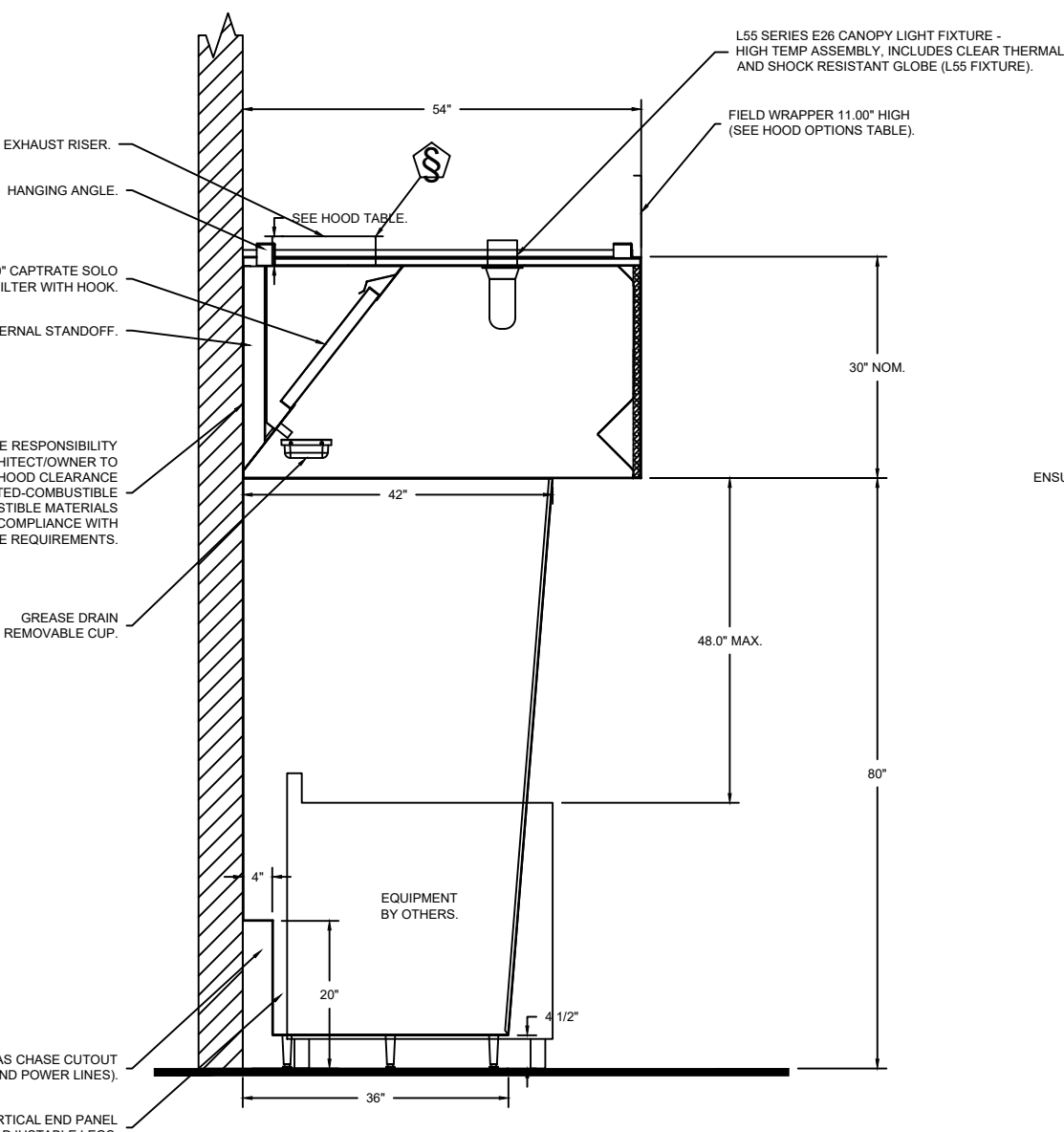


PLAN VIEW - HOOD #1 (Fryers)
9' 0.00\"/>

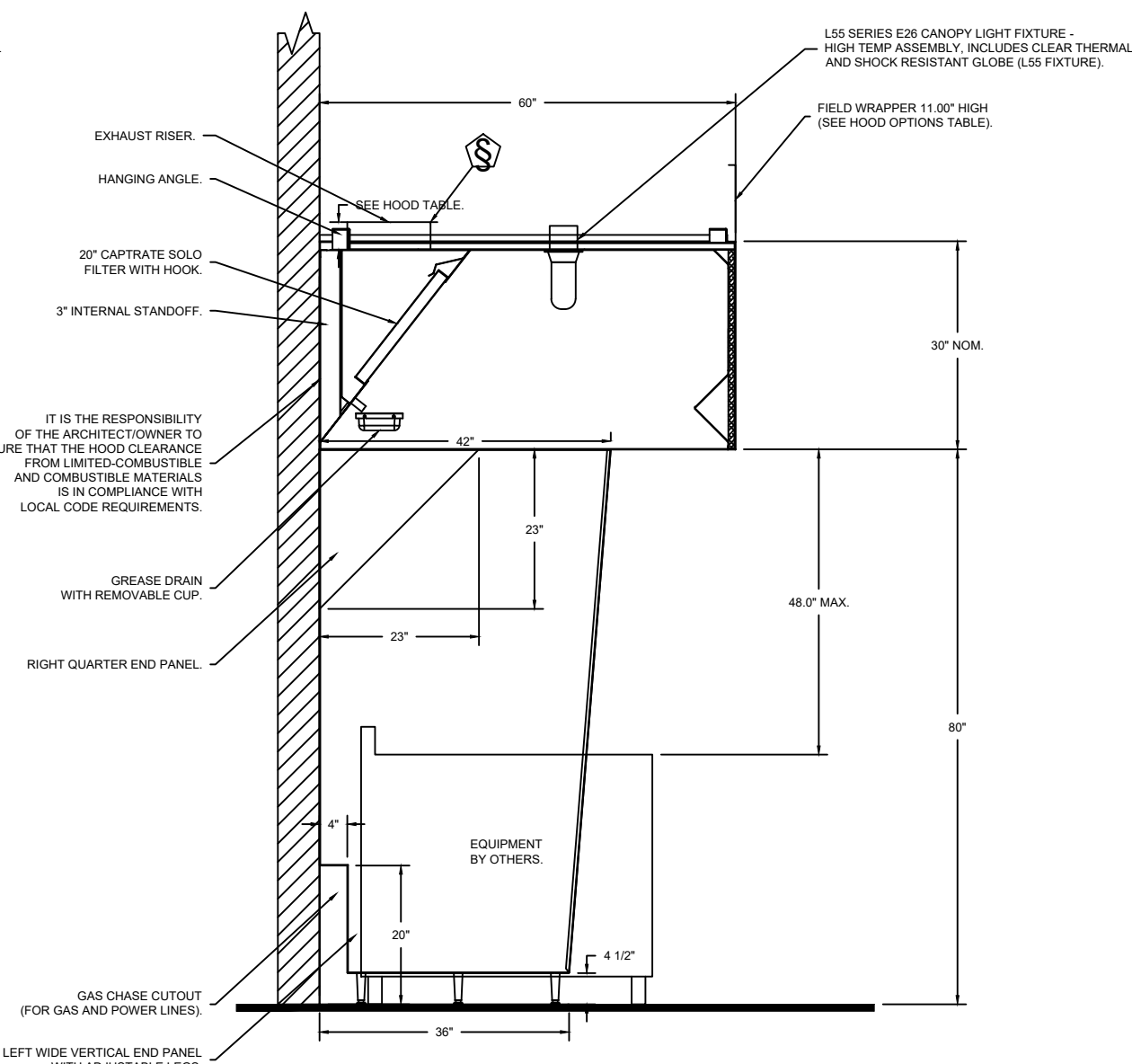
PLAN VIEW - HOOD #2 (Grill)
9' 6.00\"/>



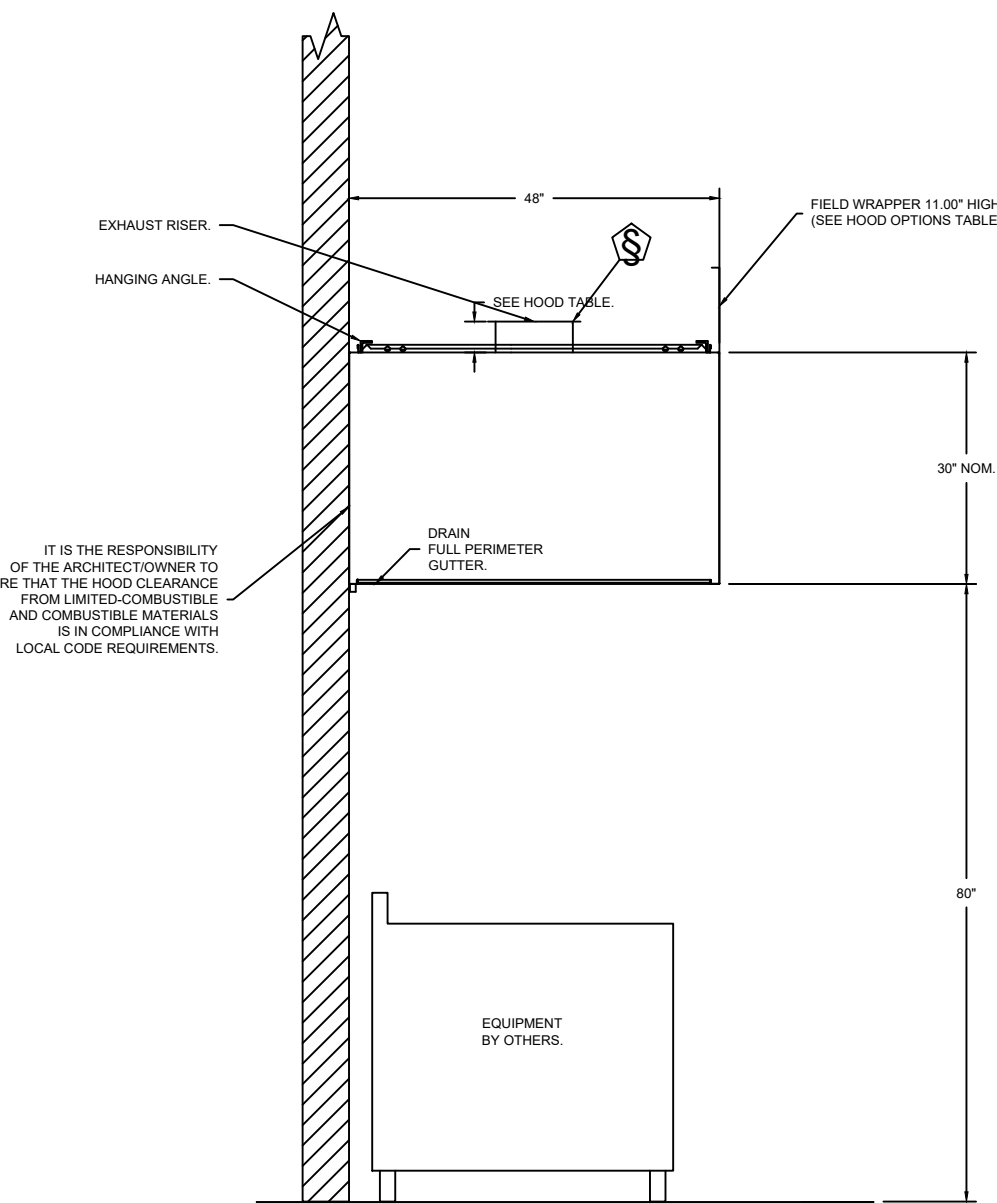
TYPICAL FIRE SYSTEM SYSTEM LAYOUT
TYPICAL HOOD CONTROL PANEL INSTALLATION



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

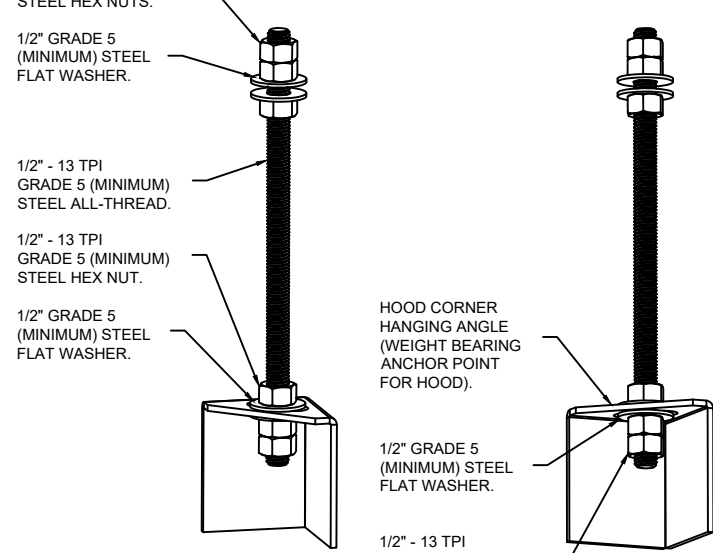


SECTION VIEW - MODEL 4830VHB-G
HOOD - #3 (Prep)



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

NO.	DATE	DESCRIPTION
1	11/8/21	Added RTU-1&2 and restroom fan



National Accounts - Tampa
4519 George Road, Suite 150, Tampa, FL 33634 PHONE: (813) 906-2112 EMAIL: reg840@captiveaire.com

Smokey Bones Rev1
45001 Schoenherr Rd,
Utica, MI, 48315

DATE: 10/22/2021

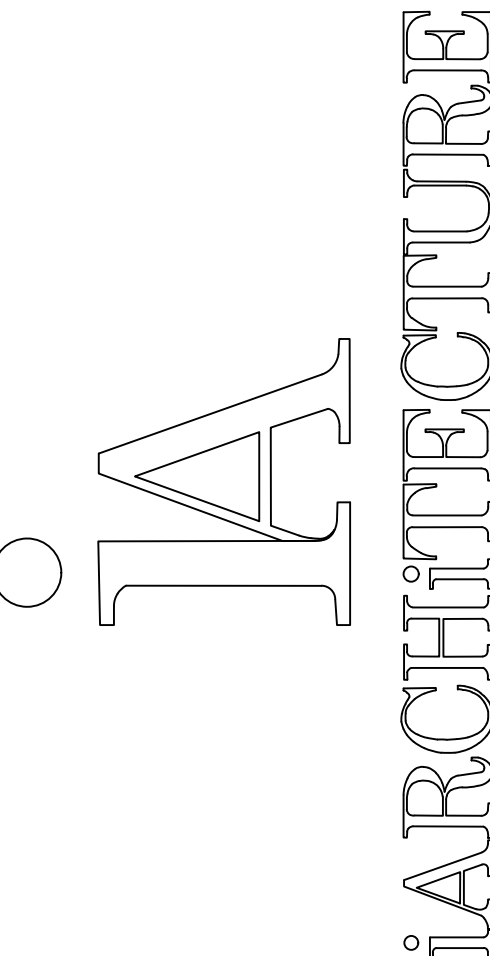
DWG.#:
5150263

DRAWN BY: Dan Luddy

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

MASTER DRAWING

SHEET NO.
1

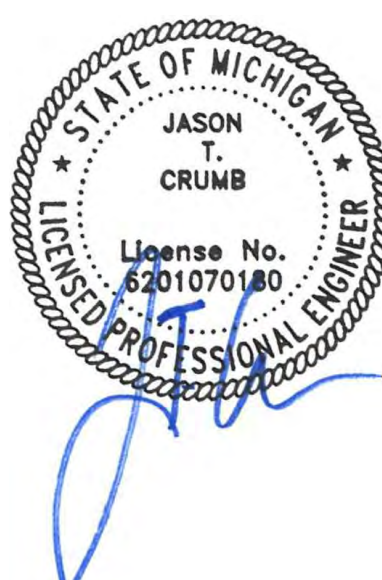


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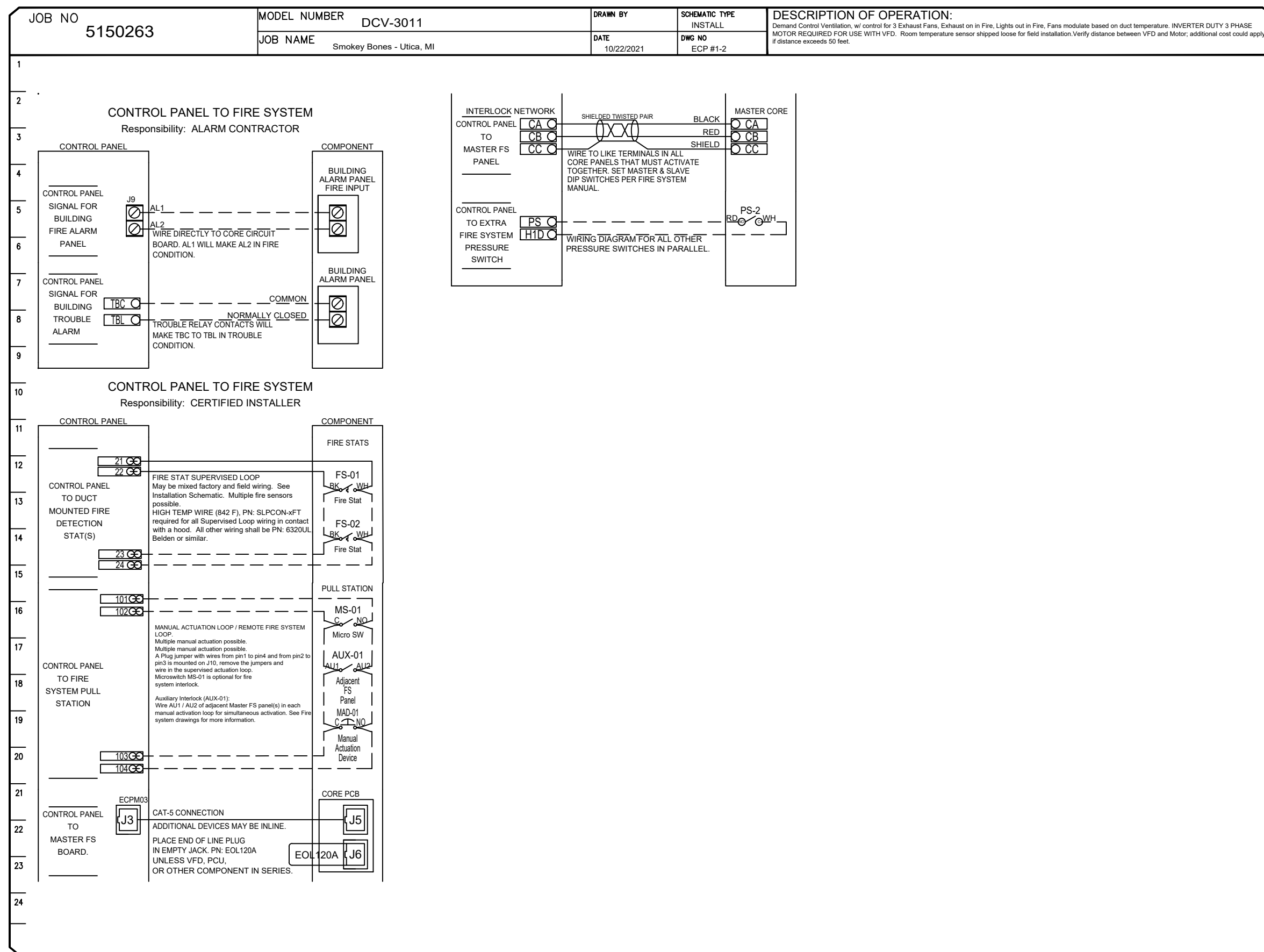
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REVISIONS		PROJECT NO:
NO.	DATE	IA 2119
		SHEET
		M4.0

DATE 11/10/2021

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	φ	HP	VOLT	FLA
1		DCV-3011	UTILITY CABINET RIGHT	08 - SHIP LOOSE W/ PREWIRE	1 LIGHT	SMART CONTROLS DCV	KEF-1	EXHAUST	1	0.750	115	8.9
					1 FAN		KEF-2	EXHAUST	3	1.500	208	6.6
							KEF-3	EXHAUST	1	0.750	115	8.9



REVISIONS		
	DESCRIPTION	DATE:
▲	Added RTU-1&2 and restroom fan	11/8/21
▲		
▲		
▲		

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DWG.#:

DRAWN BY: Dan Luddy

SCALE:

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SHEET NO.
2

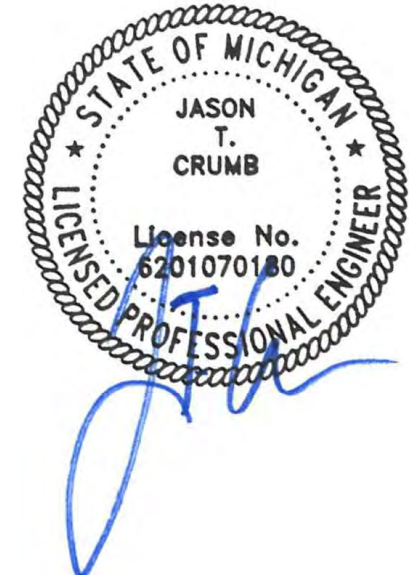
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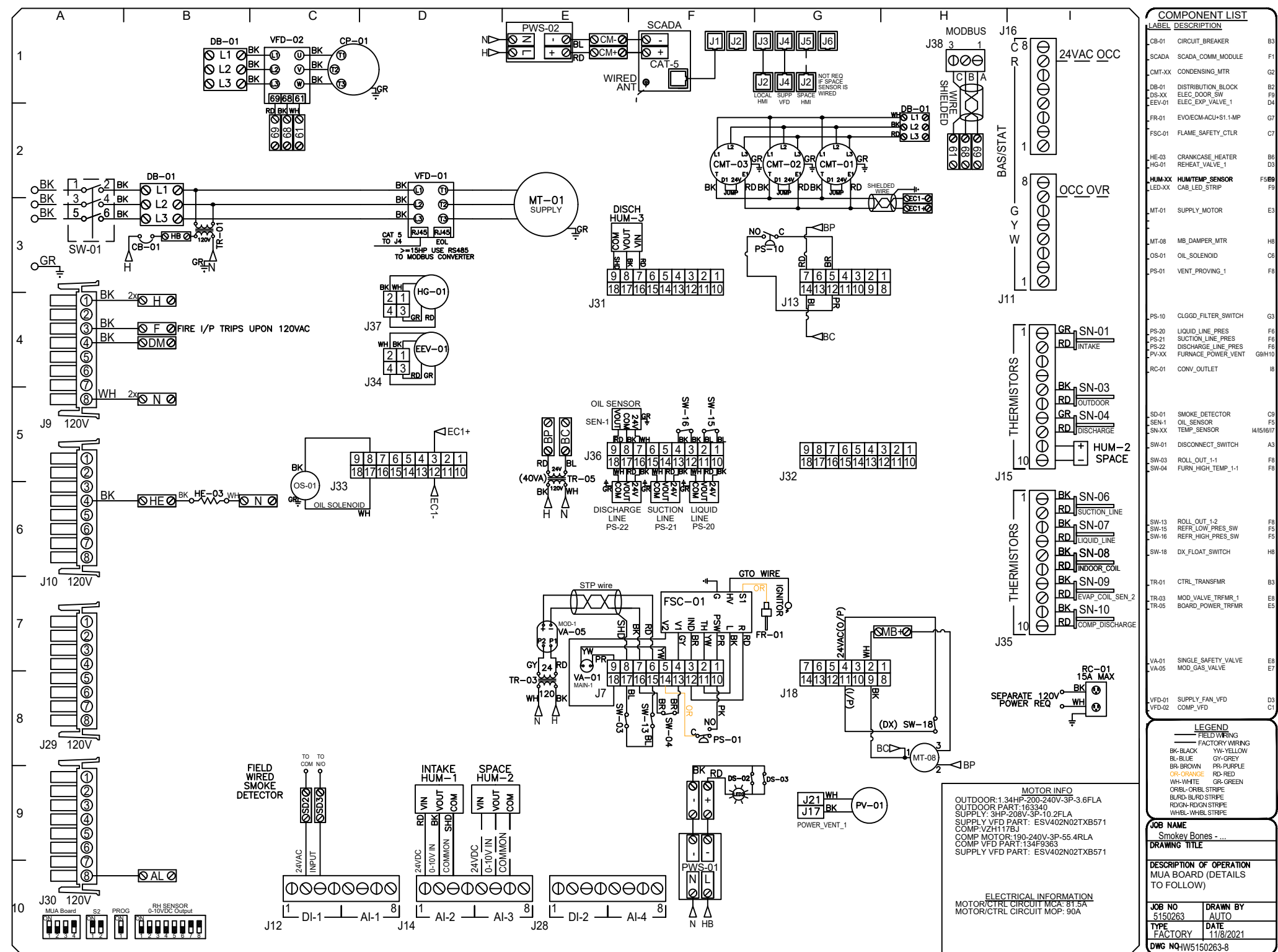
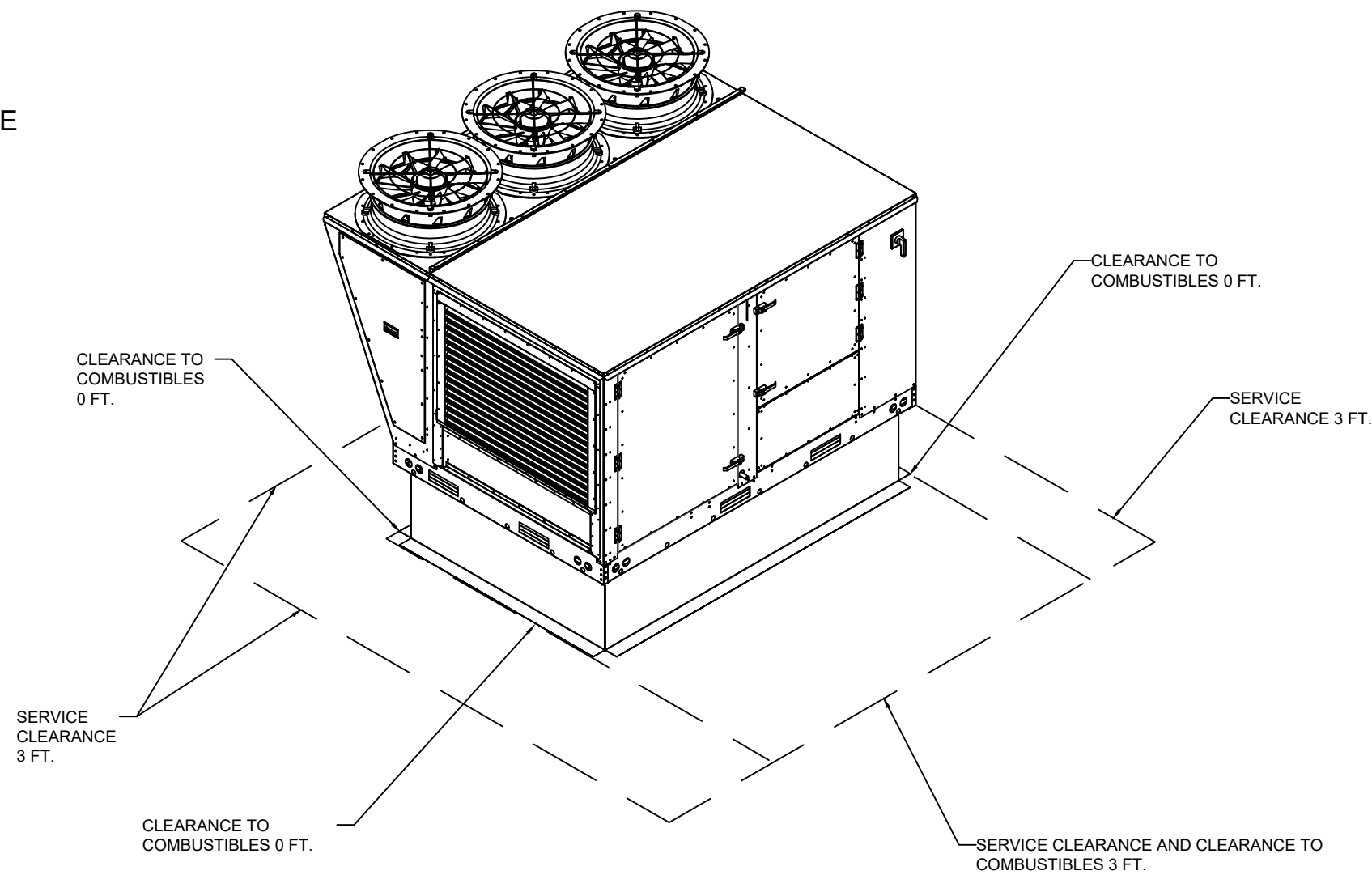
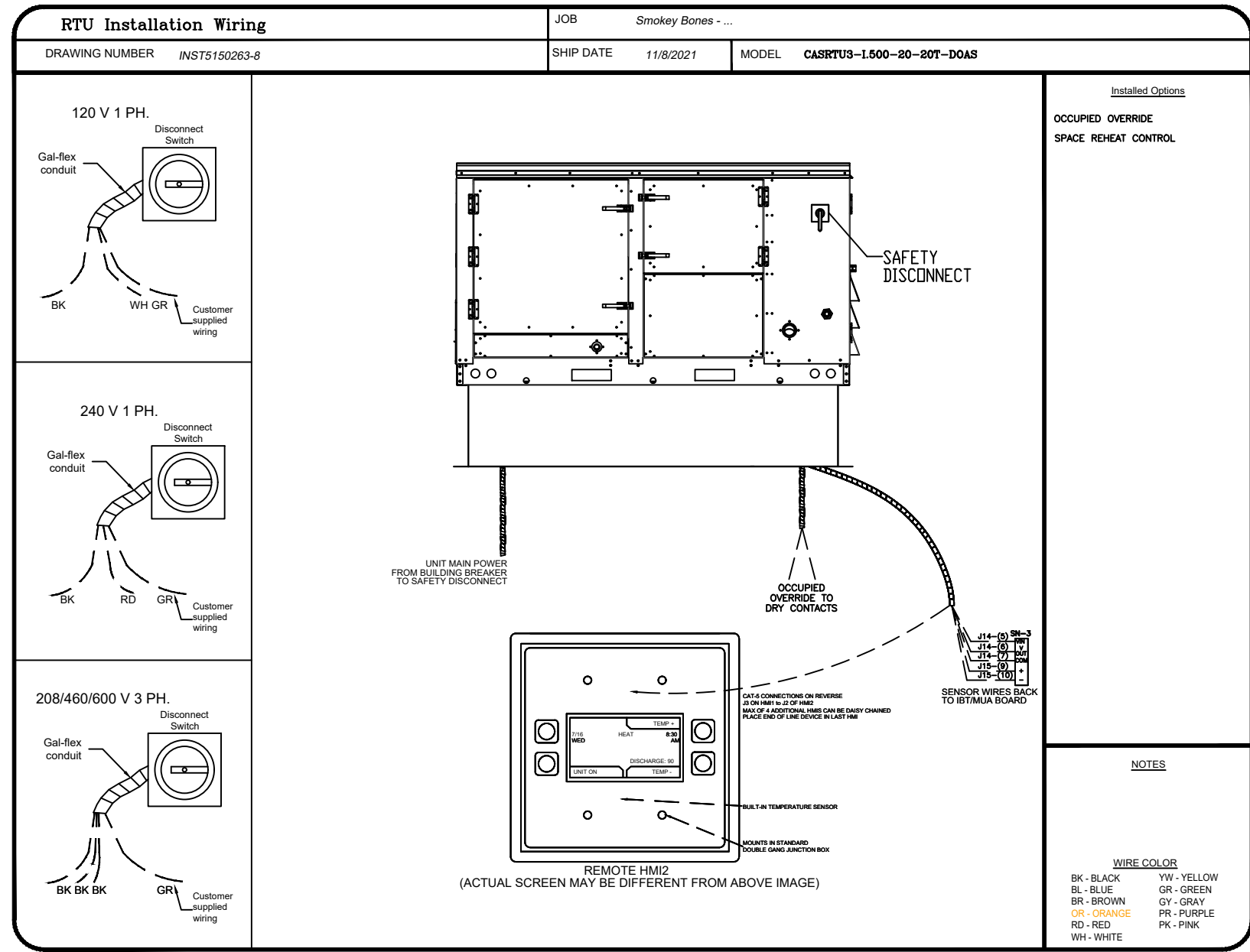


REVISIONS		PROJECT NO: IA 2119
NO.	DATE	
		SHEET M4.1

DATE 11/10/2021

1. INLET PRESSURE GAUGE, 0-35".
2. MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 1 FURNACE.
3. RTU TOTAL CFM MONITORING.
4. SINGLE POINT ELECTRICAL CONNECTION FOR RTU. 750VA TRANSFORMER USED. IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #28, #47, "MA", OR "E2" PREWIRE OPTION MUST BE SELECTED. DOES NOT PROVIDE SUPPLY STARTER IN PREWIRE.
5. CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED.
6. RTU3 DOWN DISCHARGE.
7. 2" MERV 13 FILTERS FOR RTU3 (QTY. 4).
8. 2" MERV 8 FILTERS FOR RTU3 (QTY. 4).
9. OVERHEAT STAT.
10. VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE.
11. RTU FIXED 100% OA INTAKE CONTROL.
12. RTU3 NO RETURN - 100% OA.
13. RTU3 CURB DUCT HANGER.
14. OCCUPIED SCHEDULING.
15. CLOGGED FILTER SWITCH - NOTIFICATION ON HMI.
16. RTU3 CONVENIENCE OUTLET (GFCI), 15 AMP - REQUIRES SEPARATE 120V CONNECTION. INCLUDES RECEPTACLE, COVER AND J-BOX.
17. FREEZESTAT.
18. REMOTE TEMPERATURE AND HUMIDITY SPACE SENSOR.
19. VAV PACKAGE W/ MANUAL/DDC CONTROL (571 VFD INCLUDED).
20. DUCT MOUNTED SMOKE DETECTOR - SHIPS LOOSE.
21. 20 TON MODULATING COOLING OPTION, 208/230V. R410A REFRIGERANT, VARIABLE SPEED COMPRESSOR, ECM CONDENSING FANS.
22. 20 TON MODULATING REHEAT OPTION - SPACE DEWPOINT CONTROL.
23. 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).

*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 THROATS/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".



REVISIONS	
DESCRIPTION	DATE:
Added RTU-1&2 and restroom fan	11/8/21

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Smokey Bones Rev1
45001 Schoenherr Rd,
Utica, MI, 48315

DATE: 10/22/2021

DWG.#:
5150263

DRAWN BY: Dan Luddy

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

MASTER DRAWING

SHEET NO.
4

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SMOKEY BONES
UTICA, MI

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		SHEET
		M4.3

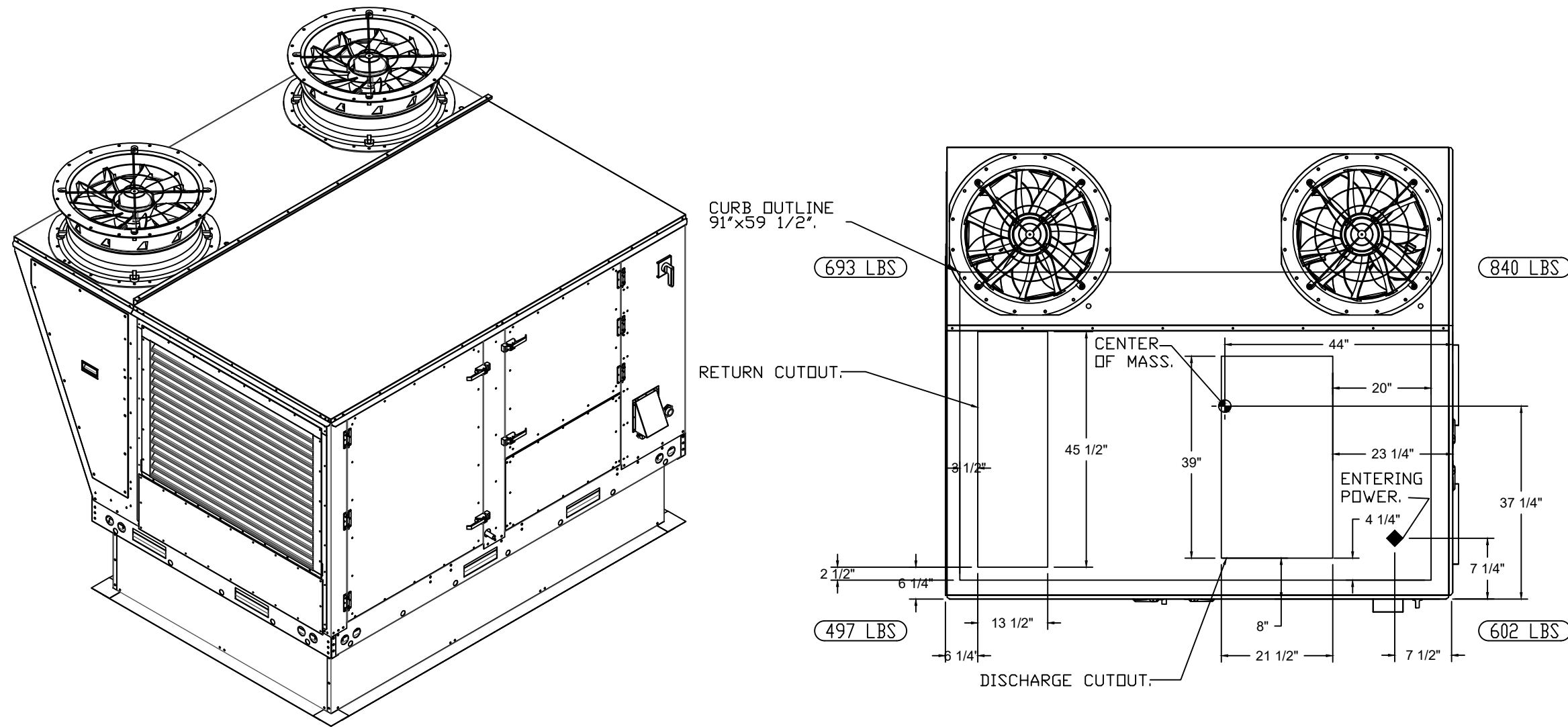
DATE 11/10/2021

FAN #9 (RTU-1) - CASRTU3-1400-24-15T-DOAS HEATER

NOTES:

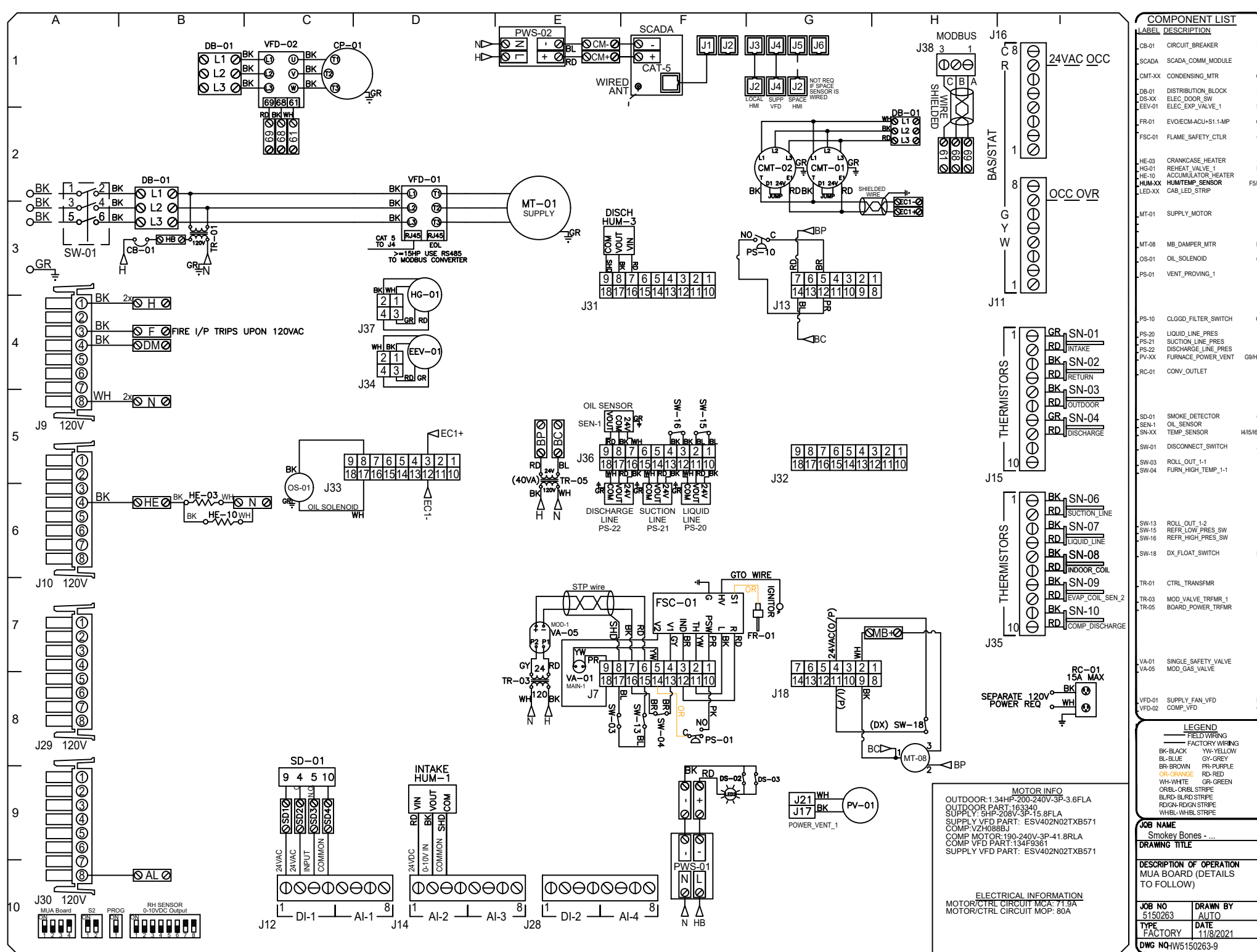
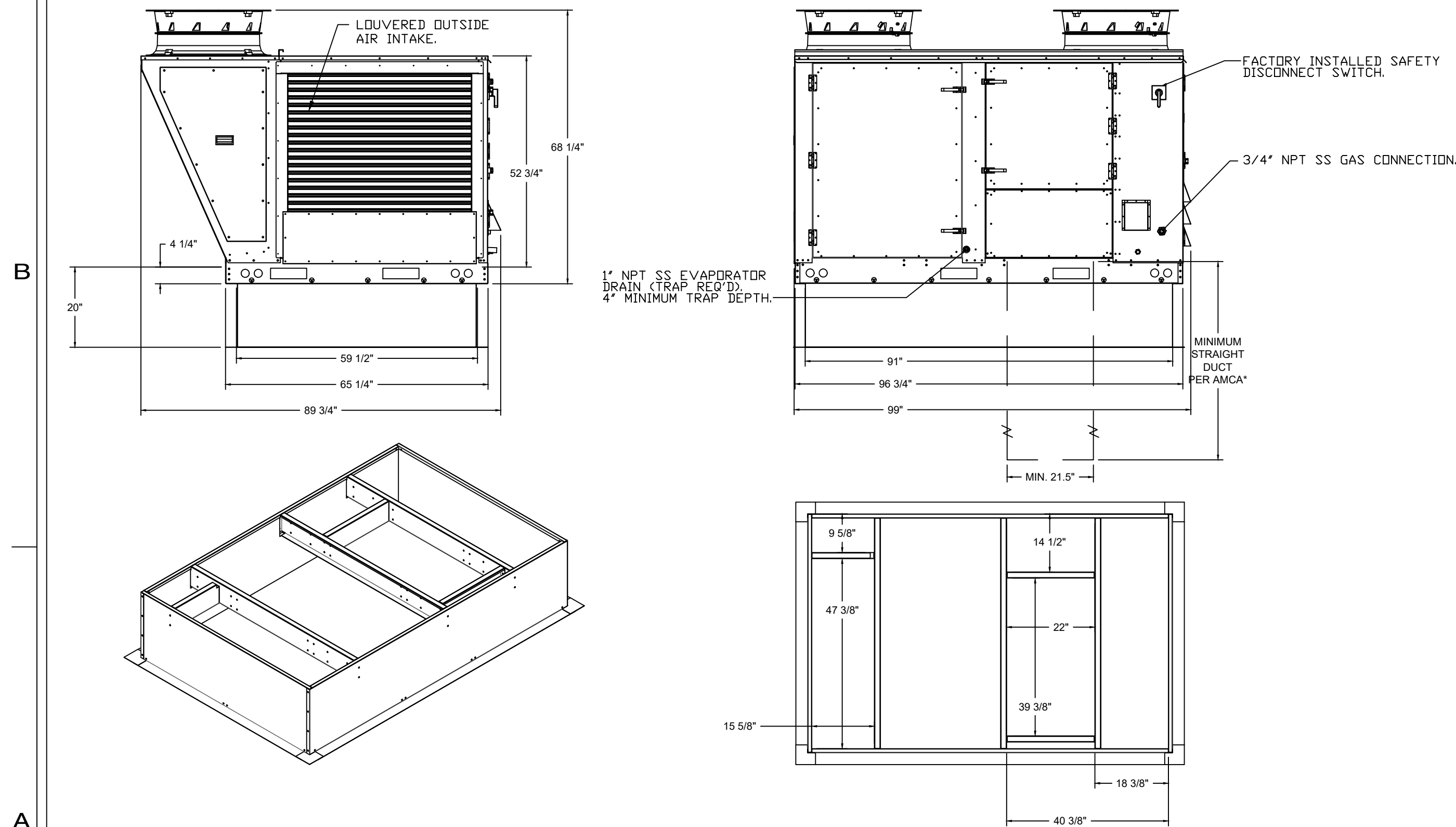
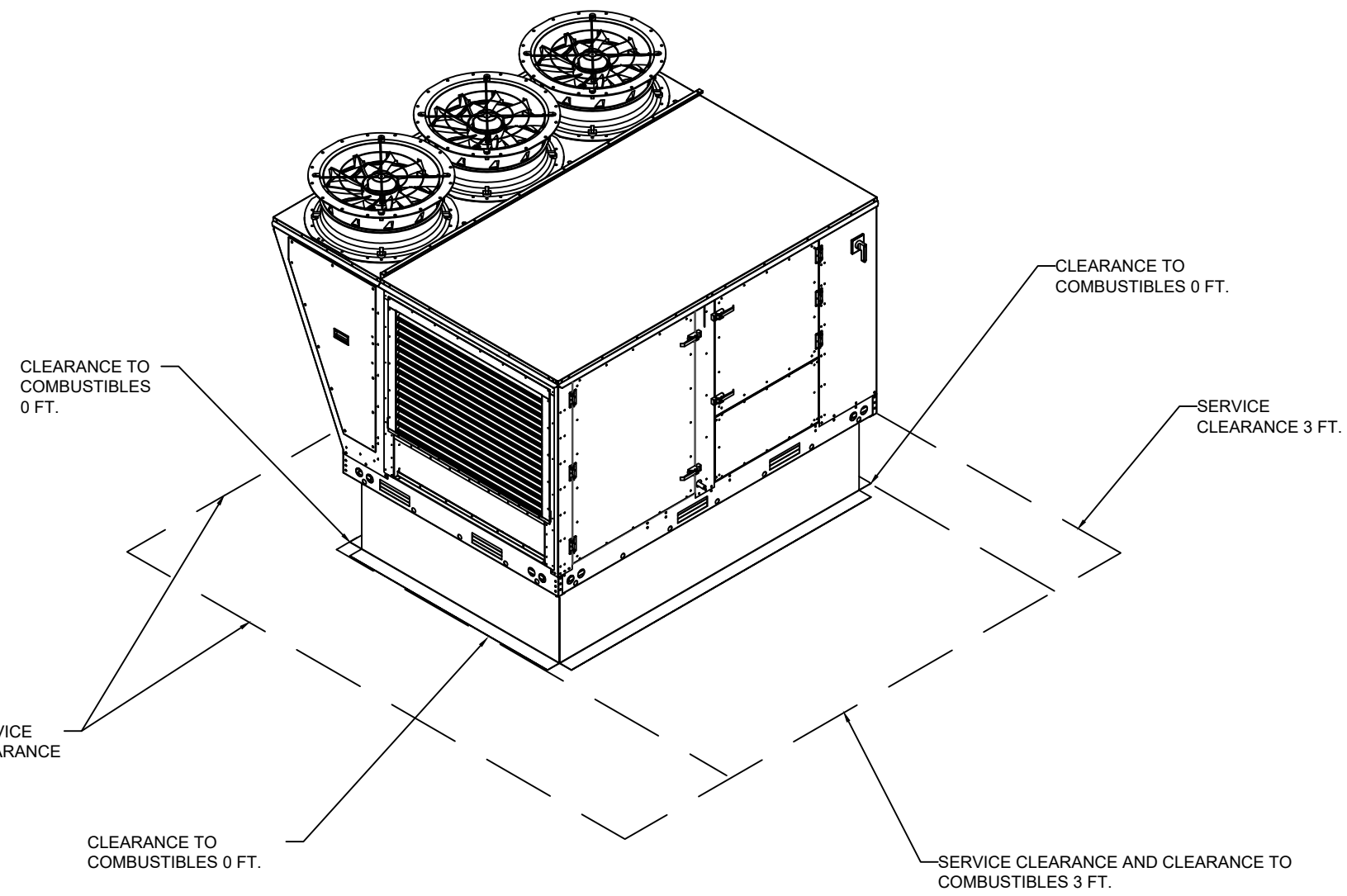
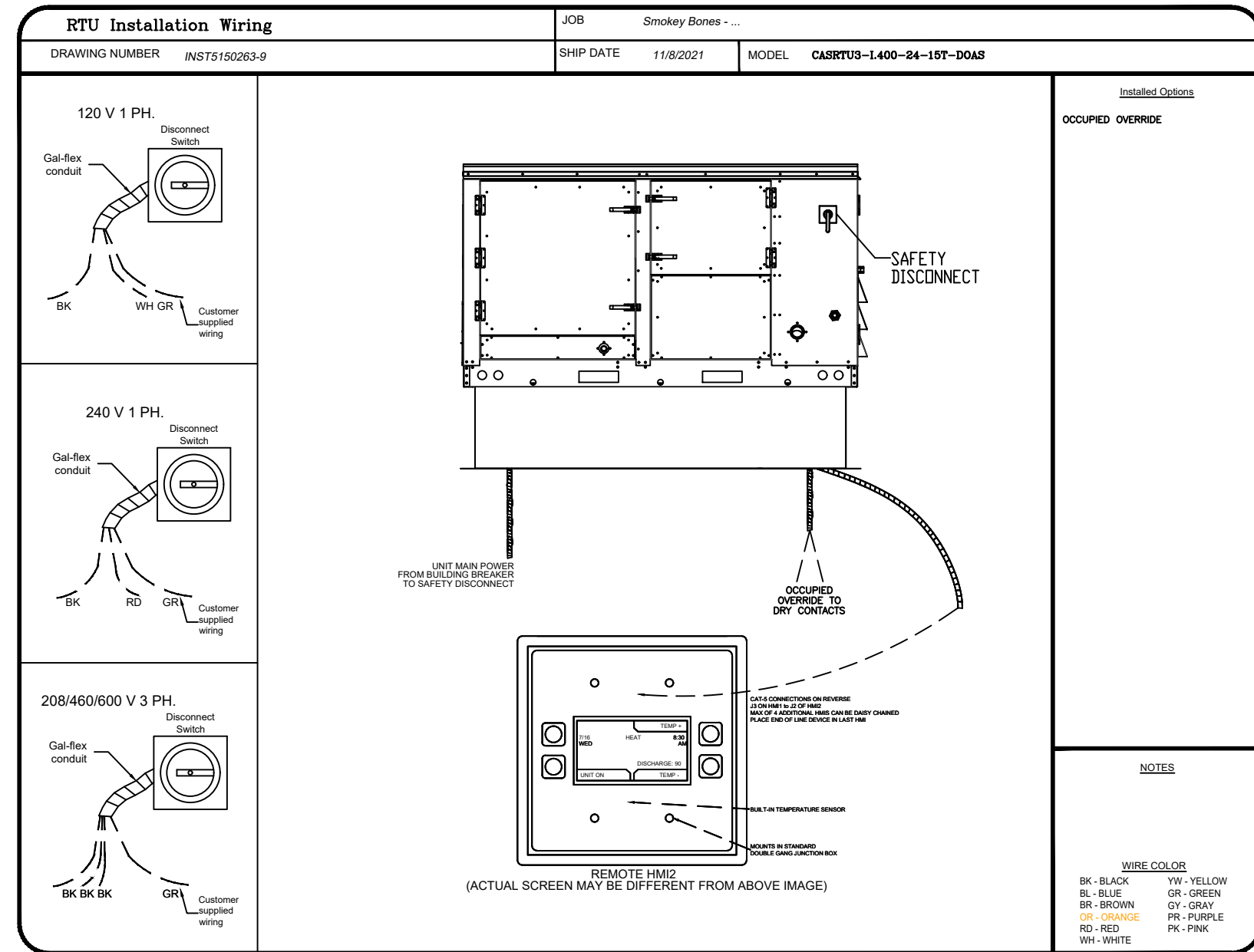
- DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
- DENOTES CORNER WEIGHT.
- ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.

*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".



OPTIONS

- INLET PRESSURE GAUGE, 0-35".
- MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 1 FURNACE.
- RTU TOTAL CFM MONITORING.
- SINGLE POINT ELECTRICAL CONNECTION FOR RTU. 750VA TRANSFORMER USED. IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #28, #47, "MA", OR "E2" PREWIRE OPTION MUST BE SELECTED. DOES NOT PROVIDE SUPPLY STARTER IN PREWIRE.
- CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED.
- LOW AMBIENT COOLING OPERATION - DOWN TO 15F AMBIENT.
- RTU3 DOWN DISCHARGE.
- 2" MERV 13 FILTERS FOR RTU3 (QTY. 4).
- 2" MERV 8 FILTERS FOR RTU3 (QTY. 4).
- OVERHEAT STAT.
- VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE.
- FREEZESTAT.
- OCCUPIED SCHEDULING.
- RTU3 CURB DUCT HANGER.
- RTU RETURN MOUNTED SMOKE DETECTOR AND SAMPLING TUBE - FACTORY INSTALLED.
- CLOGGED FILTER SWITCH - NOTIFICATION ON HMI.
- SUPPLY DUCT ADJUSTMENT.
- RTU3 CONVENIENCE OUTLET (GFCI), 15 AMP - REQUIRES SEPARATE 120V CONNECTION. INCLUDES RECEPTACLE, COVER AND J-BOX.
- 15 TON MODULATING COOLING OPTION, 208/230V. R410A REFRIGERANT, VARIABLE SPEED COMPRESSOR, ECM CONDENSING FANS.
- 15 TON MODULATING REHEAT OPTION - SPACE DEWPOINT CONTROL.
- RTU INTAKE/RETURN DAMPER - MANUAL CONTROL VIA HMI.
- RTU3 DOWN RETURN.
- VAV PACKAGE W/ MANUAL/DDC CONTROL (571 VFD INCLUDED).
- 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

NO.	DATE	DESCRIPTION
1	11/8/21	Added RTU-142 and restroom fan

DATE: 10/22/2021

DWG.#: 5150263

DRAWN BY: Dan Luddy

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

MASTER DRAWING

SHEET NO. 5

CAPTIVEAIRE

IA

SMOKEY BONES

UTICA, MI

IA ARCHITECTURE

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1 M4.3 NO SCALE CAPTIVEAIRE SCHEDULES AND DETAILS (OWNER FURNISHED - RECEIVED AND INSTALLED BY CONTRACTOR)

REVISIONS

NO.	DATE	DESCRIPTION
1		
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PROJECT NO: IA 2119

SHEET

M4.4

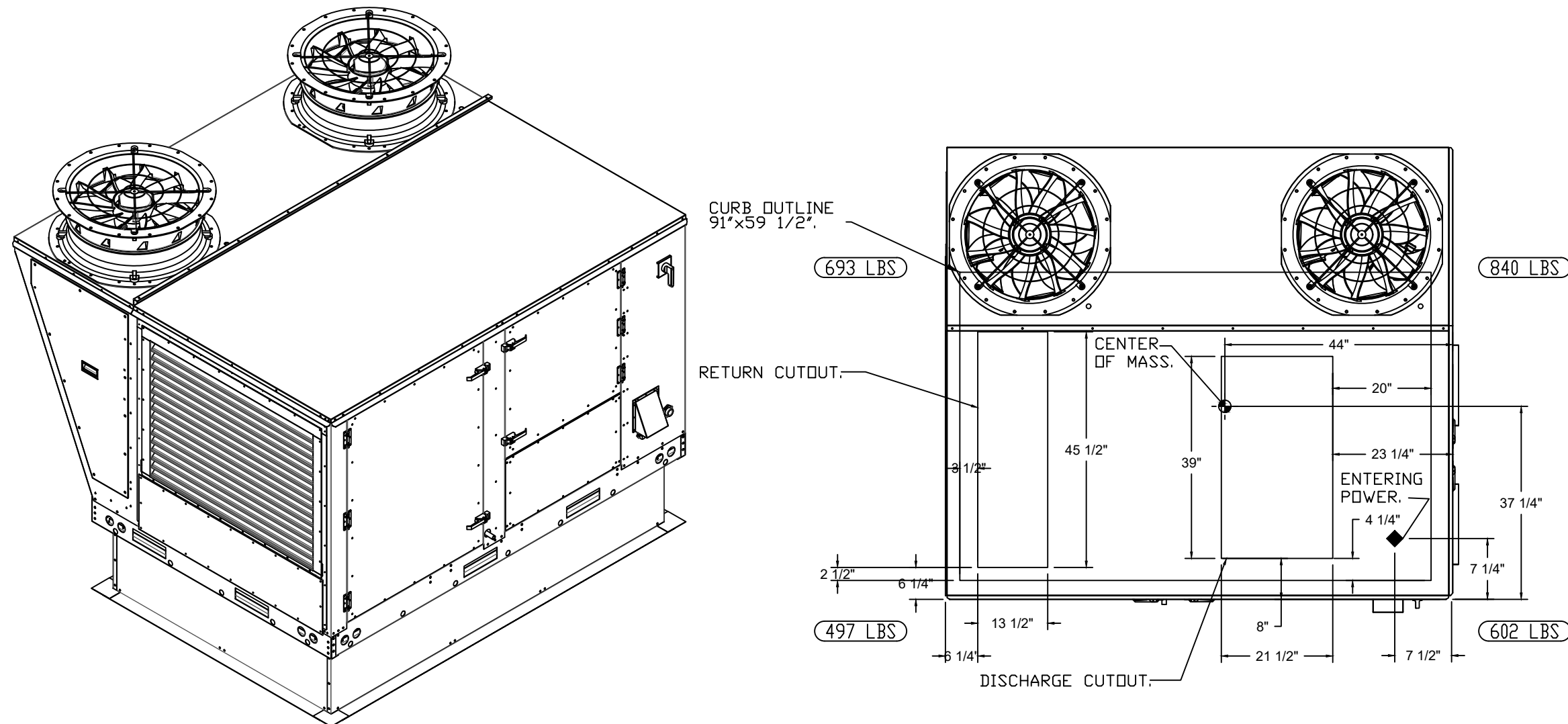
DATE 11/10/2021

FAN #10 (RTU-2) - CASRTU3-1.400-24-15T-DOAS HEATER

NOTES:

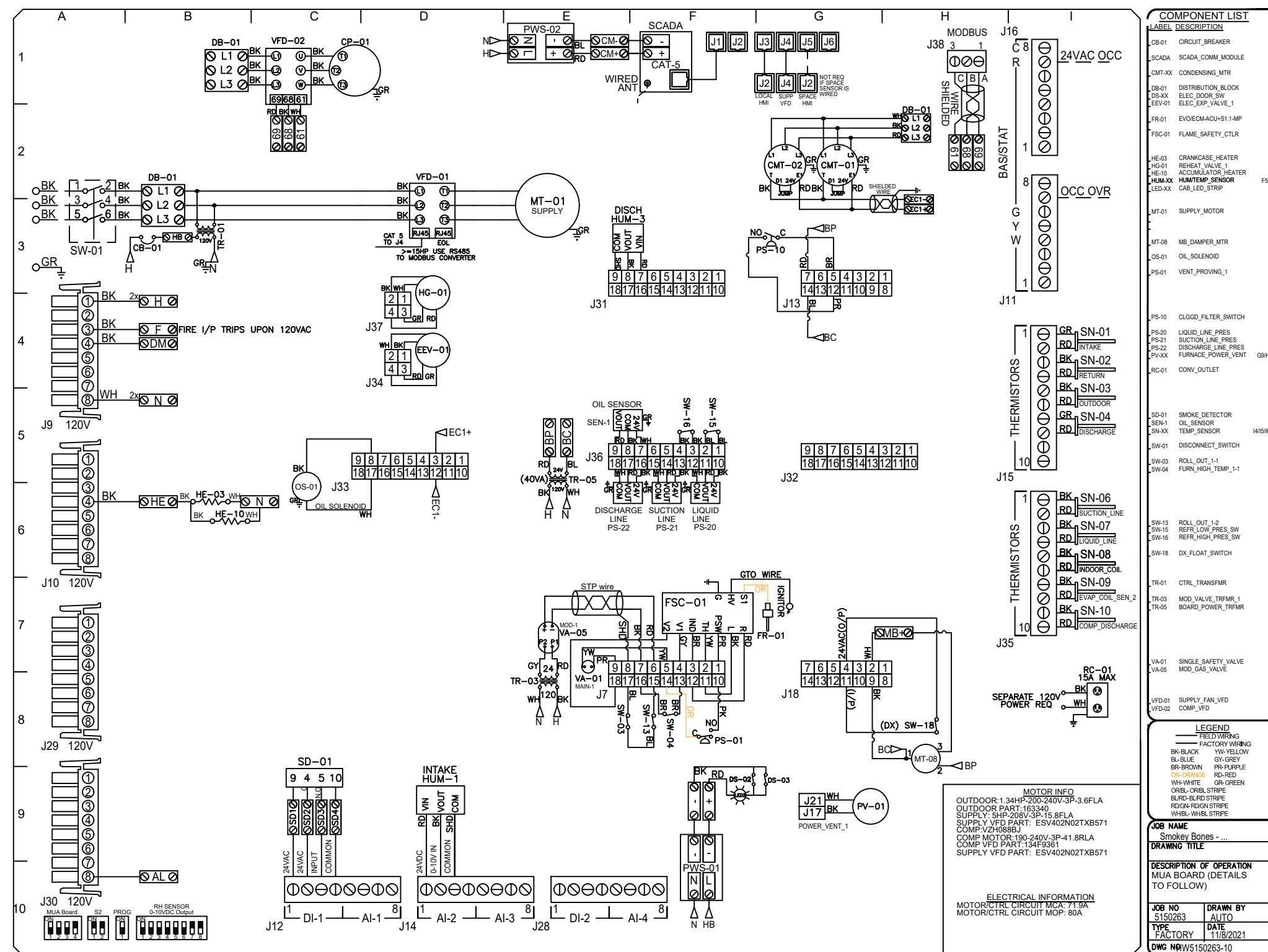
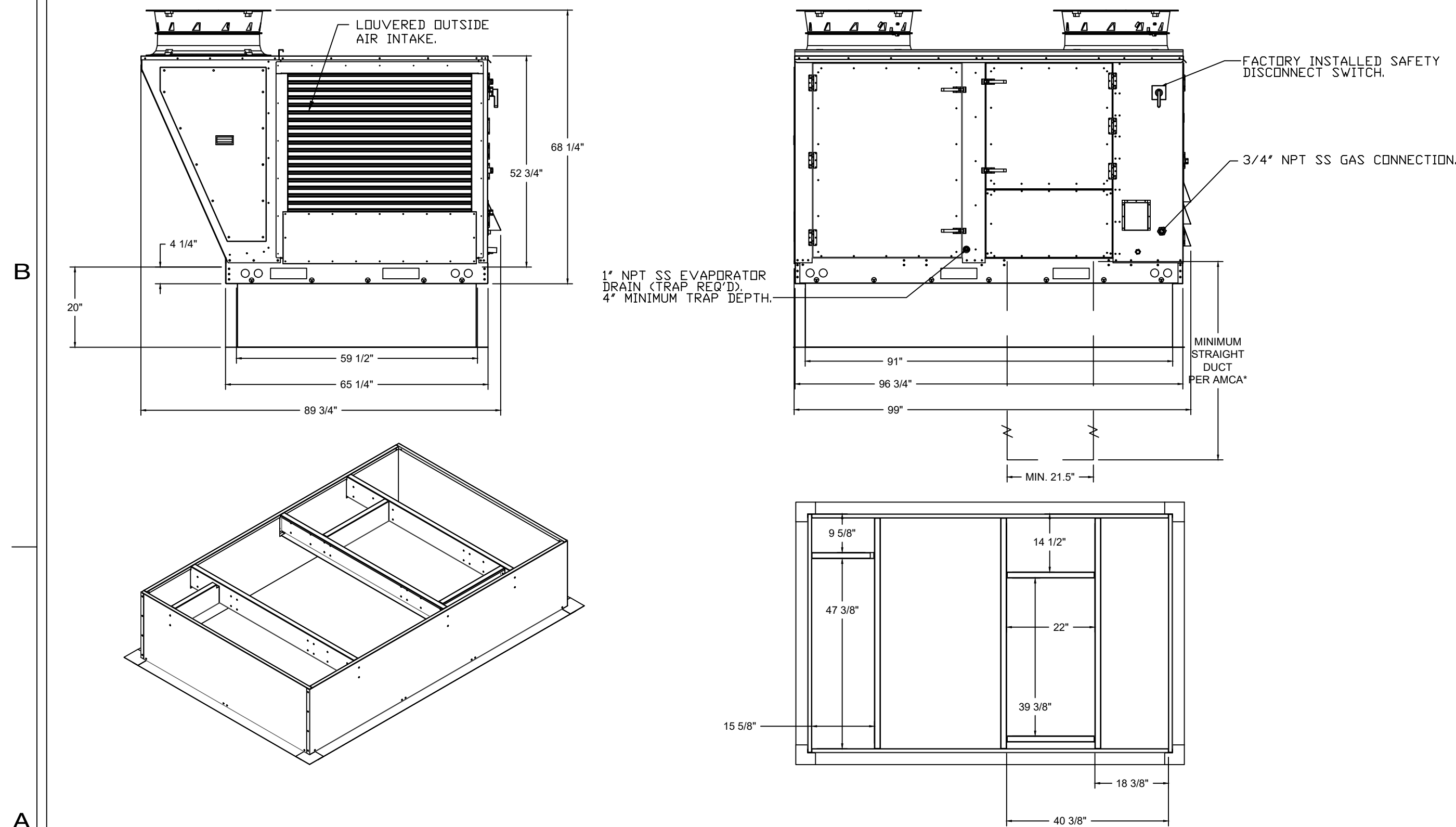
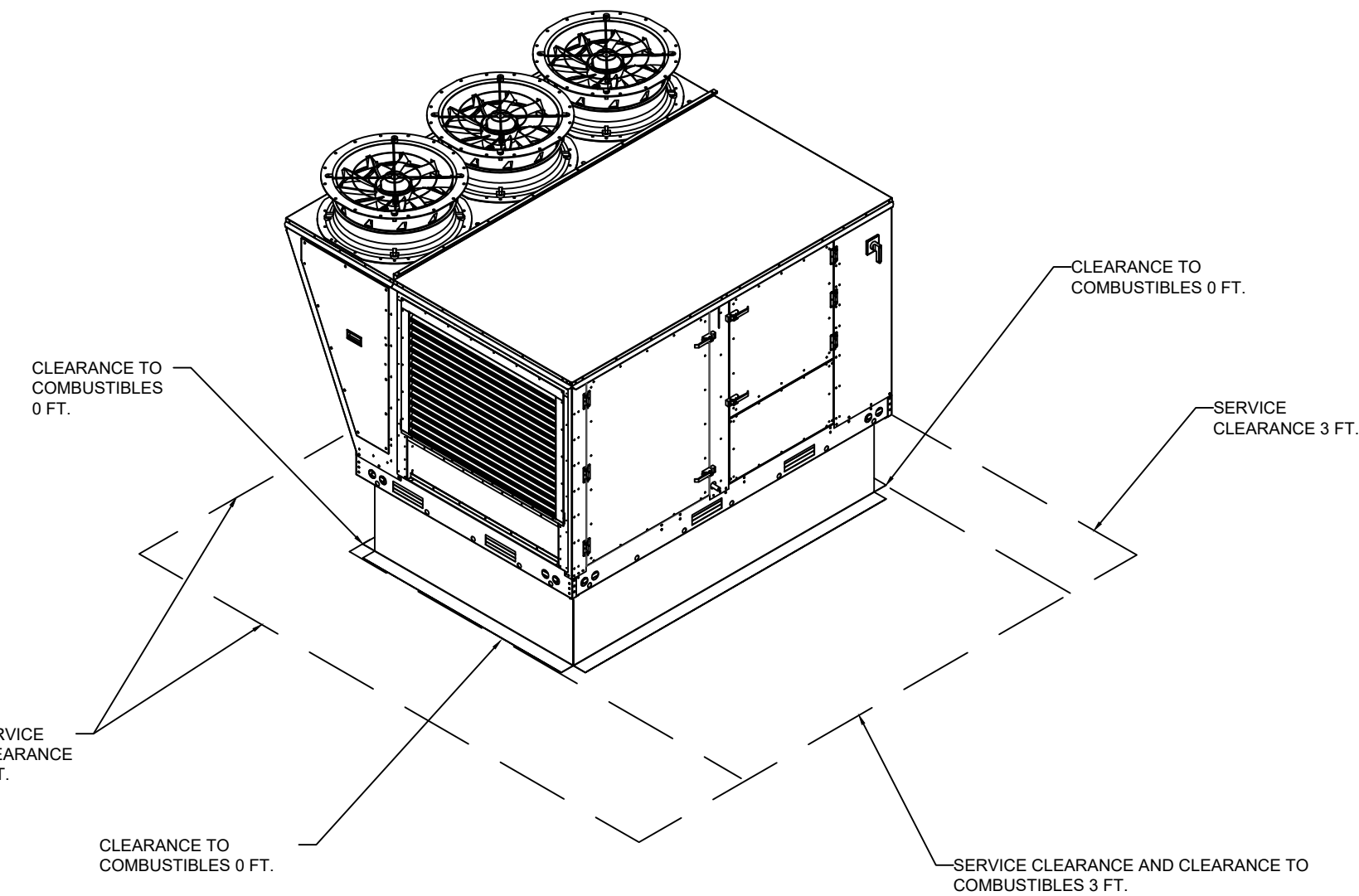
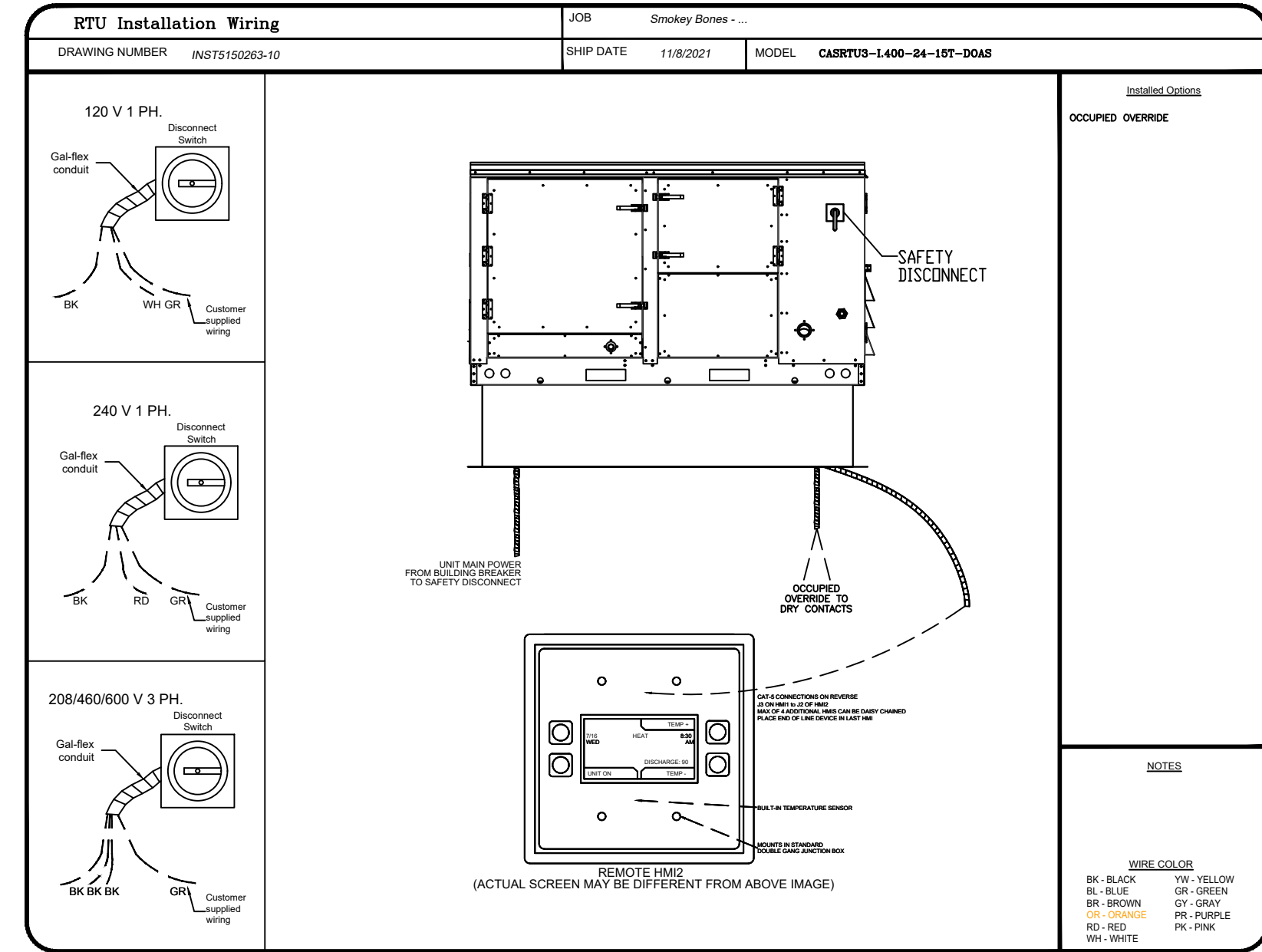
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OPTIONS

- INLET PRESSURE GAUGE, 0-35".
- MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 1 FURNACE.
- RTU TOTAL CFM MONITORING.
- SINGLE POINT ELECTRICAL CONNECTION FOR RTU. 750VA TRANSFORMER USED. IF A NON-DCV PREVIRE CONTROLS THIS UNIT, THE #28, #47, "MA", OR "E2" PREVIRE OPTION MUST BE SELECTED. DOES NOT PROVIDE SUPPLY STARTER IN PREVIRE.
- CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED.
- LOW AMBIENT COOLING OPERATION - DOWN TO 15F AMBIENT.
- RTU3 DOWN DISCHARGE.
- 2" MERV 13 FILTERS FOR RTU3 (QTY. 4).
- 2" MERV 8 FILTERS FOR RTU3 (QTY. 4).
- OVERHEAT STAT.
- VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE.
- FREEZESTAT.
- OCCUPIED SCHEDULING.
- RTU3 CURB DUCT HANGER.
- RTU RETURN MOUNTED SMOKE DETECTOR AND SAMPLING TUBE - FACTORY INSTALLED.
- CLOGGED FILTER SWITCH - NOTIFICATION ON HMI.
- SUPPLY DUCT ADJUSTMENT.
- RTU3 CONVENIENCE OUTLET (GFCI), 15 AMP - REQUIRES SEPARATE 120V CONNECTION. INCLUDES RECEPTACLE, COVER AND J-BOX.
- 15 TON MODULATING COOLING OPTION, 208/230V. R410A REFRIGERANT, VARIABLE SPEED COMPRESSOR, ECM CONDENSING FANS.
- 15 TON MODULATING REHEAT OPTION - SPACE DEWPOINT CONTROL.
- RTU INTAKE/RETURN DAMPER - MANUAL CONTROL VIA HMI.
- RTU3 DOWN RETURN.
- VAV PACKAGE W/ MANUAL/DDC CONTROL (571 VFD INCLUDED).
- 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).



1 CAPTIVEAIRE SCHEDULES AND DETAILS (OWNER FURNISHED - RECEIVED AND INSTALLED BY CONTRACTOR)

M4.3 NO SCALE

REVISIONS

NO.	DATE	DESCRIPTION
1	11/8/21	Added RTU-142 and restroom fan

DATE:

11/8/21

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Smokey Bones Rev1

45001 Schoenherr Rd,

Utica, MI, 48315

DATE: 10/22/2021

DWG.#: 5150263

BY: Dan Luddy

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

MASTER DRAWING

SHEET NO. 6

IA

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SMOKEY BONES

UTICA, MI

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STATE OF MICHIGAN

JASON T. CRUMB

License No. 6201070180

REGISTERED PROFESSIONAL ENGINEER

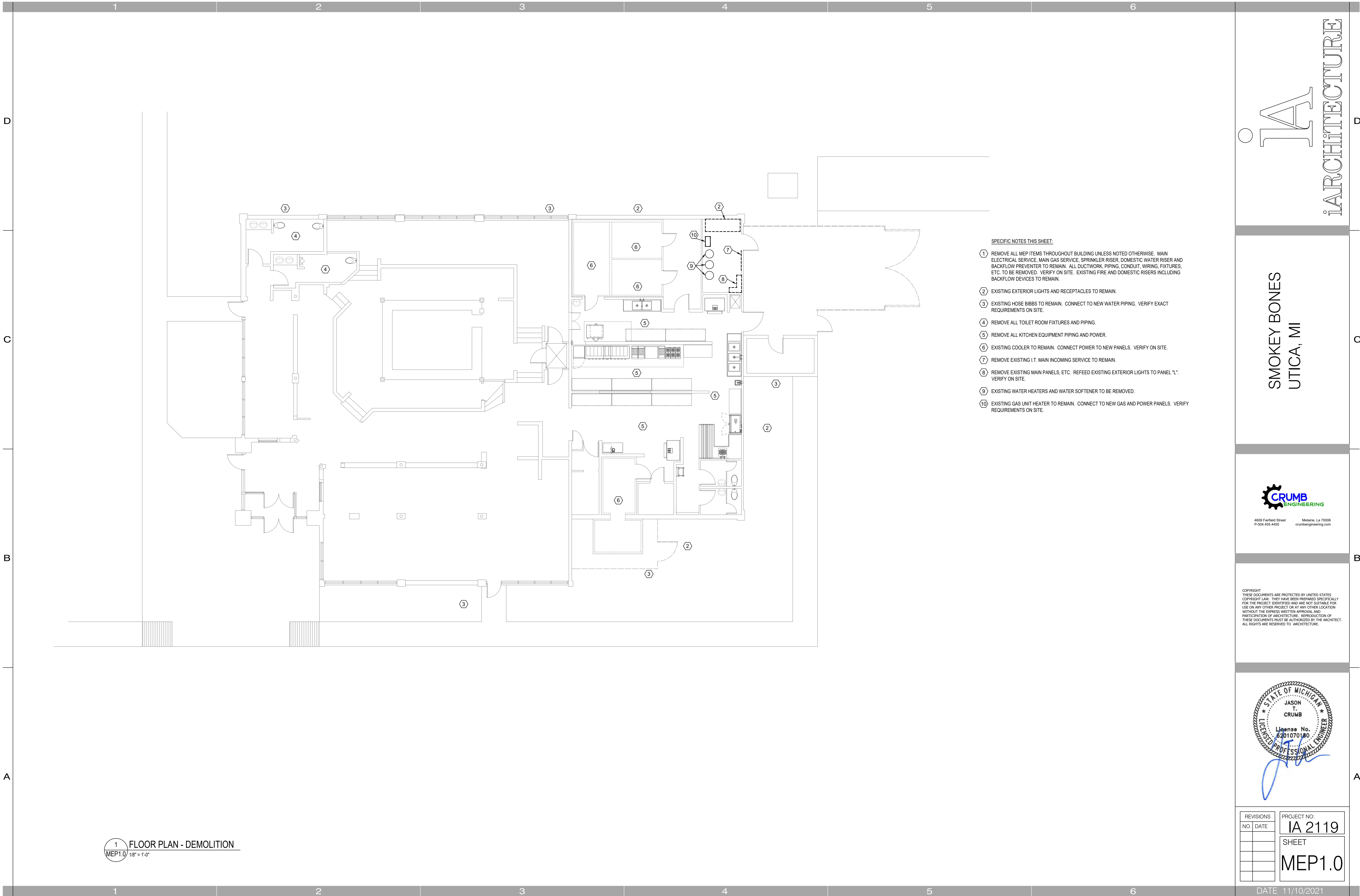
REVISIONS

NO.	DATE	DESCRIPTION
1		
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PROJECT NO: IA 2119

SHEET M4.5

DATE 11/10/2021



SPECIFIC NOTES THIS SHEET:

- ① REMOVE ALL MEP ITEMS THROUGHOUT BUILDING UNLESS NOTED OTHERWISE. MAIN ELECTRICAL SERVICE, MAIN GAS SERVICE, SPRINKLER RISER, DOMESTIC WATER RISER AND BACKFLOW PREVENTER TO REMAIN. ALL DUCTWORK, PIPING, CONDUIT, WIRING, FIXTURES, ETC. TO BE REMOVED. VERIFY ON SITE. EXISTING FIRE AND DOMESTIC RISERS INCLUDING BACKFLOW DEVICES TO REMAIN.
- ② EXISTING EXTERIOR LIGHTS AND RECEPTACLES TO REMAIN.
- ③ EXISTING HOSE BIBBS TO REMAIN. CONNECT TO NEW WATER PIPING. VERIFY EXACT REQUIREMENTS ON SITE.
- ④ REMOVE ALL TOILET ROOM FIXTURES AND PIPING.
- ⑤ REMOVE ALL KITCHEN EQUIPMENT PIPING AND POWER.
- ⑥ EXISTING COOLER TO REMAIN. CONNECT POWER TO NEW PANELS. VERIFY ON SITE.
- ⑦ REMOVE EXISTING I.T. MAIN INCOMING SERVICE TO REMAIN.
- ⑧ REMOVE EXISTING MAIN PANELS, ETC. REFEED EXISTING EXTERIOR LIGHTS TO PANEL "1". VERIFY ON SITE.
- ⑨ EXISTING WATER HEATERS AND WATER SOFTENER TO BE REMOVED.
- ⑩ EXISTING GAS UNIT HEATER TO REMAIN. CONNECT TO NEW GAS AND POWER PANELS. VERIFY REQUIREMENTS ON SITE.

1 FLOOR PLAN - DEMOLITION
MEP1.0 1/8" = 1'-0"

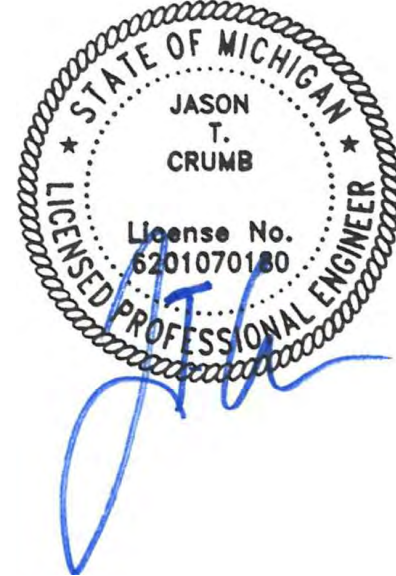
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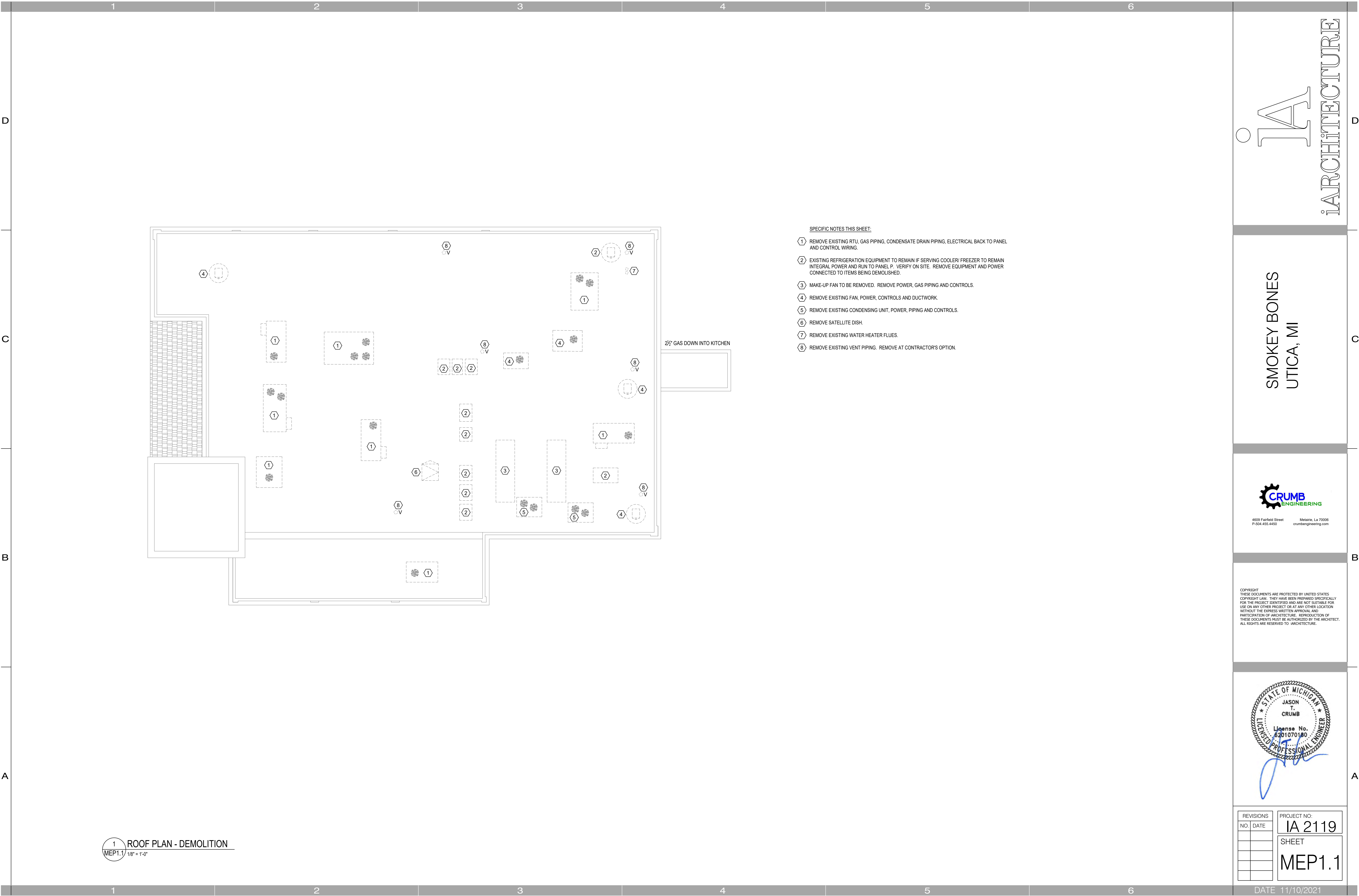
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		MEP1.0

DATE 11/10/2021

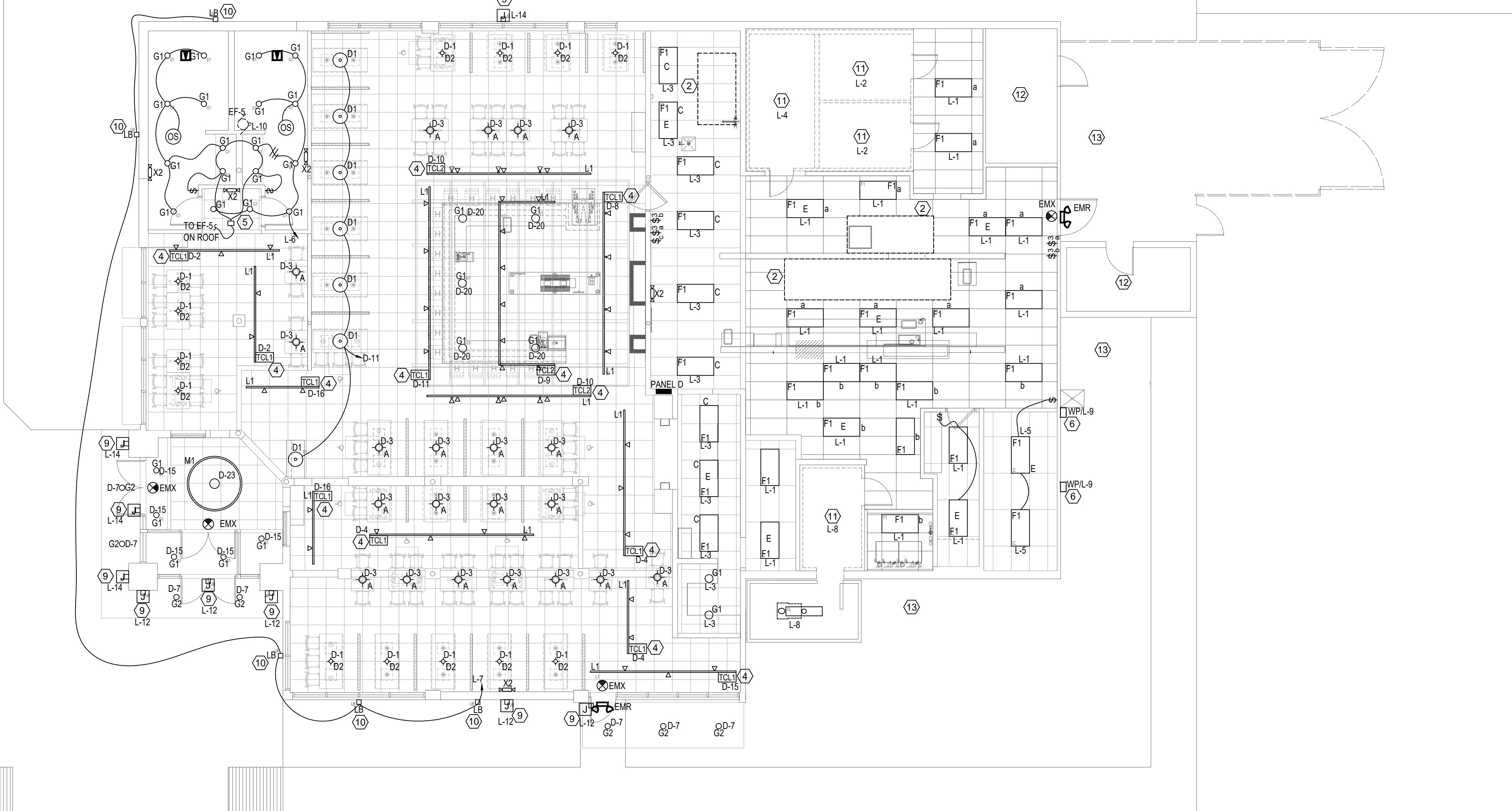


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B

A



GENERAL NOTES THIS SHEET:

- 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.
- INSTALL FIXTURES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL NECESSARY WIRING, SWITCHES AND MOUNTING HARDWARE.
- 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.
- FOR CONDUIT RUNS EXCEEDING 75', INCREASE TO #10 AWG CONDUCTORS.
- GROUNDING SHALL BE IN ACCORDANCE WITH NEC ART. 250.
- PROVIDE LED EXIT FIXTURES AT ALL LOCATIONS AS SHOWN ON THE LIFE SAFETY PLAN.
- PROVIDE UNSWITCHED HOT CONDUCTOR TO ALL EXIT AND EMERGENCY FIXTURES.
- PROVIDE DIMMING SWITCHES COMPATIBLE WITH DIMMABLE FIXTURES. COORDINATE WIRING AND INSTALLATION WITH MANUFACTURER'S RECOMMENDATIONS.
- LIGHT FIXTURES FOR EXHAUST HOODS SHALL BE SUPPLIED BY KITCHEN HOOD SUPPLIER.
- ALL EXIT AND EMERGENCY FIXTURES (EMX, EMC, EMR) SHALL BE HOME RUN TO PANEL 'D' CIRCUIT D-25. CIRCUIT 25 IS CONSTANT ON, NON-DIMMING LOCKABLE BREAKER.
- EXISTING EXTERIOR LIGHTING TO REMAIN. CAPTURE EXTERIOR LIGHTING CIRCUITS AND WIRE TO NEW PANELS AS INDICATED.
- LIGHT FIXTURES WITH 'E' DESIGNATION SHALL BE PROVIDED WITH EMERGENCY BALLAST AND SHALL HAVE UNSWITCHED HOT CONDUCTOR FROM LIGHTING CIRCUIT RUN TO EMERGENCY BALLAST.

SPECIFIC NOTES THIS SHEET:

- EXISTING LIGHT, SWITCHING, AND LIGHTING CIRCUIT TO REMAIN. LIGHTS WITH 'E' DESIGNATION HAVE EMERGENCY BATTERY.
- KITCHEN HOOD.
- DIMMER CONTROL PANEL.
- TRACK CURRENT LIMITING DEVICE SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR.
 - TOL1 - 120 WATTS
 - TOL2 - 240 WATTS
- SINGLE POLE RELAY, 120V, 20A IN NEMA-1 ENCLOSURE ABOVE ACCESSIBLE CEILING. RELAY CONTROLLED BY TOILET LIGHTING (CIRCUIT L-6). LIGHTS "ON", FAN "ON".
- MOUNT UNDER SHED ROOF.
- POWER FOR WALL ART LIGHTING. PROVIDE JUNCTION BOX.
- HOMERUN TO PANEL P. PROVIDE 20A, 1P BREAKER. VERIFY REQUIREMENTS ON SITE.
- POWER FOR EXTERIOR SIGNAGE. VERIFY POWER REQUIREMENTS WITH VENDOR.
- POWER FOR LIGHT BAND. VERIFY POWER REQUIREMENTS WITH VENDOR.
- EXISTING COOLER/ FREEZER. INTERCEPT CIRCUIT AND WIRED TO INDICATED PANEL.
- EXISTING EQUIPMENT ROOM. CAPTURE CIRCUIT AND WIRE TO L-5.
- CAPTURE EXTERIOR LIGHTING CIRCUIT THIS AREA AND WIRE TO L-9. VERIFY ON SITE.

1 FLOOR PLAN - LIGHTING
E1.0 1/8" = 1'-0"

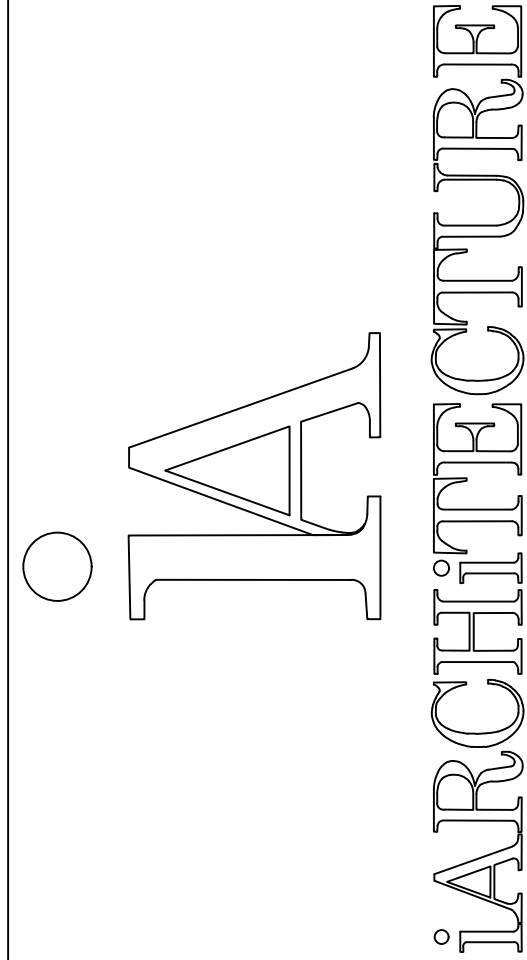
REFLECTED CEILING PLAN SYMBOL LEGEND

A		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:	MOUNT FIXTURES TO UNISTRUT SUPPORT ABOVE -PAINT UNISTRUT & THREADED RODS 'BLACK' P-7
G1		6"Ø RECESSED DOWNLIGHT MANUFACTURER: HALO COMMERCIAL HOUSING MODEL #: HALO HC3 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 LED EXTERIOR CAN LIGHT MANUFACTURER: HALO COMMERCIAL HOUSING MODEL #: HALO HC3 6" CAN LAMP: HALO HM6-12-835 (6" LED MODULE, 1,000 LUMENS, 80 CRI, 3500K CCT)	UL WET RATED TRIM AND BAFFLES REQUIRED
M1		CUSTOM WHEEL LIGHT FIXTURE MANUFACTURER: HI-LITE MFG. CO. MODEL #: H-VLSMTRV8-4 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-VLSBBMP-3 DIMENSIONS: 12"H x 19"Ø FINISH: BK01 BLACK (EXT), 156 RED/ORANGE (INT), 91 BLACK (CANOPY) LAMP: 200W	
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	
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.) -BIO 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 PROVIDE POWER FOR ILLUMINATED LIGHTBAND COORDINATE WITH SIGNAGE COMPANY	
X2		EMERGENCY FIXTURE MANUFACTURER: COOPER MODEL #: SURE LITES CUI SERIES FINISH: FRONT OF HOUSE - BLACK, BACK OF HOUSE - WHITE LAMP: TBD	
CL		COOLER LIGHT BY COOLER MANUFACTURER	
WP		HID WALL PACK MANUFACTURER: TECHLIGHT MODEL #: MWPB8A-MT W/ BUTTON PHOTOCELL FINISH: ALUM. HOUSING, GASKETED, DARK BRONZE FINISH LAMP: (1) 150W LU150	
EMX		EXIT SIGN MANUFACTURER: LIGHTALARMS MODEL #: (W) UXQELC LAMP: LED'S FINISH: WHITE, STENCIL FACE RED LETTERS REMARKS: SINGLE OR TWIN FACE PER PLAN	
EMR		EXTERIOR EMERGENCY SIGN MANUFACTURER: DAYRITE MODEL #: 5UC132-D-120-CO LAMP: 6V, 120V REMARKS: REMOTE BATTERY PACK FOR EXTERIOR EGRESS LIGHT W/ TWO HEADS. SEALED BEAM LIGHTS, MAINTENANCE FREE BATTERY	

R.C.P. GENERAL NOTES

- ALL FRONT OF HOUSE LIGHT FIXTURES TO BE DIMMABLE.
- PREP & PAINT EXPOSED ACCESSORIES & ELECTRICAL CONDUIT.
- ALL PENETRATIONS SHALL BE FIRE SAFED AND ACOUSTICALLY SEALED TO MAINTAIN BASE BUILDING RATINGS AS APPLICABLE. G.C. SHALL PROVIDE BLOCKING, LIGHT GAUGE, OR MTL. FRAMING/UNISTRUT TO SUPPORT ALL CEILING FIXTURES INDEPENDENTLY OF ROOF DECK.
- 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.
- 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.
- COORDINATE FIRE ALARM DEVICES TO AVOID CONFLICTS WITH FINISHES. SEE INTERIOR ELEVATIONS & DETAILS.
- ALL LIGHT FIXTURES TO BE UL LISTED THROUGHOUT AND SHIELDED AT FOOD PREPARATION AREAS.
- 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.
- CONTRACTOR TO PROVIDE ELECTRICAL AS REQUIRED TO SIGNAGE (INTERIOR & EXTERIOR) -VERIFY LOCATION/HEIGHT AND POWER REQUIREMENTS IN FIELD WITH OWNER.
- 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.
- DECORATIVE PENDANTS: VERIFY HEIGHT IN FIELD WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION. G.C. SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES NOTED.
- G.C. TO PROVIDE 10% EXTRA TRACK HEADS.
- FIXTURES WITH 'E' DESIGNATION SHALL HAVE EMERGENCY BALLAST.
- ALL EXPOSED LOW-VOLTAGE WIRE (EXCEPT FIRE ALARM WIRING) SHALL BE 'BLACK' OR WRAPPED IN 'BLACK' PVC SHEATH (TYP.)
- G.C. TO PROVIDE & INSTALL CAGE/SHIELD OVER EMERGENCY ELECTRICAL SHUTOFF SWITCH
- PAINT ALL RECEPTACLE COVERS & EXPOSED CONDUIT / J-BOXES TO MATCH ADJACENT FINISHES. (TYPICAL, ALL LOCATIONS)
- MOUNT ALL FIXTURES OVER MOVABLE TABLES ON UNISTRUT OR LIGHTING TRACK AS APPROPRIATE FOR FIXTURE WEIGHT.
- PAINT ALL UNISTRUTS & THREADED ROD SUPPORTS 'BLACK' (TYPICAL, ALL LOCATIONS)
- G.C. SHALL PROVIDE BULK / UNISTRUT ATTACHED TO ROOF JOISTS AS REQ'D TO MOUNT FIXTURES INDEPENDENT OF ROOF DECK.
- ALL WIFI, SECURITY, & SPEAKER LOCATIONS TO BE VERIFIED IN FIELD W/ ARCHITECT PRIOR TO INSTALLATION.

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

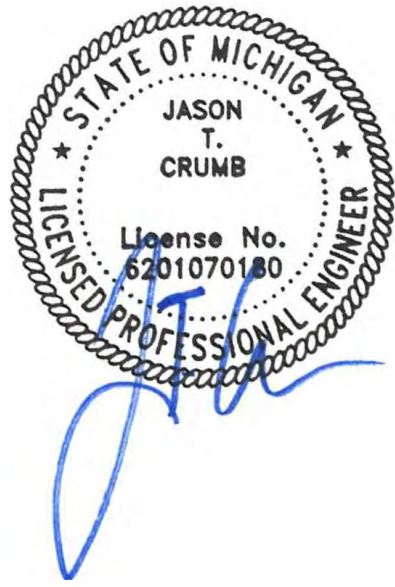


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REVISIONS NO. DATE	PROJECT NO: IA 2119
	SHEET E1.0

DATE 11/10/2021

D

C

B

A

GENERAL NOTES THIS SHEET:

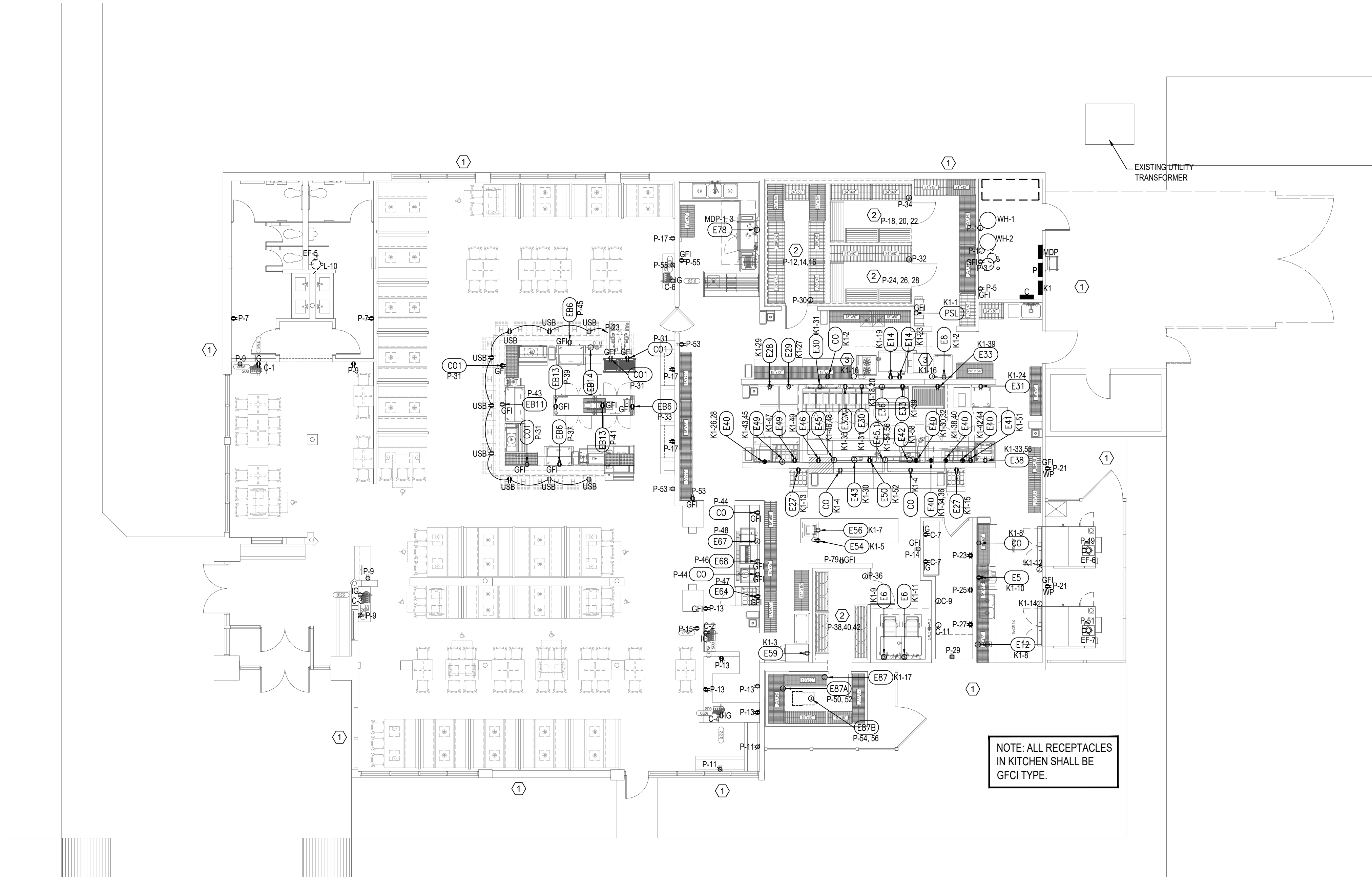
- REFER TO ARCHITECT'S FLOOR PLANS AND ARCHITECT'S ELEVATIONS FOR RECEPTACLE AND OUTLET LOCATIONS. PROVIDE ADDITIONAL RECEPTACLES AS REQUIRED.
- PROVIDE DEDICATED NEUTRAL FOR EACH CIRCUIT. DO NOT SHARE NEUTRAL CONDUCTORS.
- ALL CONDUIT SHALL BE 1/2" WITH 2-#12 AWG & 1-#12 GRD UNLESS NOTED OTHERWISE.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

SPECIFIC NOTES THIS SHEET:

- VERIFY LOCATION AND CIRCUITING OF EXISTING EXTERIOR RECEPTACLES AND POWER. CAPTURE EXTERIOR CIRCUITS AND RUN TO PANEL P.
- CAPTURE EXISTING COOLER/FREEZER POWER AND RUN TO PANEL P. VERIFY EXACT REQUIREMENTS ON SITE. (1) 30A, 3 POLE CIRCUIT (3 # 10 AWG & 1 # 10 GRD) FOR CONDENSER AND (1) 20A CIRCUIT FOR LIGHTS, EVAPORATOR AND DOOR HEATER.
- 120V POWER TO HOOD CONTROL PANEL. REFER TO MECHANICAL HOOD PLANS.

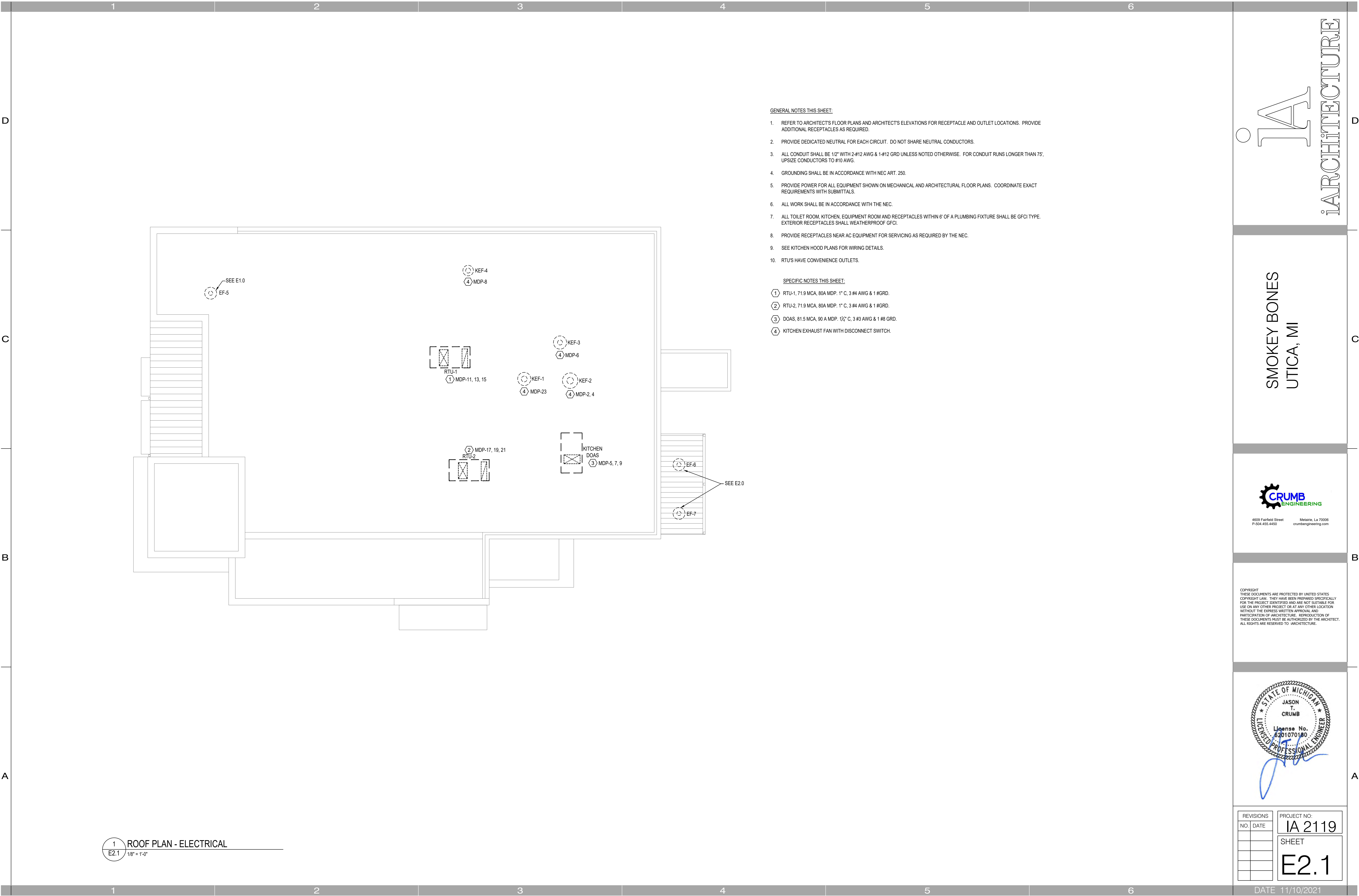
KITCHEN EQUIPMENT ELECTRICAL ROUGH-IN NOTES:

- 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.
- E5 120V-1PH 1/3 H.P. 4.8 AMP RECP. @ (+48" A.F.F.) FOR SLICER (ITEM #5).
- E6 (2 LOCATIONS) 120V-1PH SERVICE @ (+72" A.F.F.) E.C. TO EXTEND TO ICE MAKER (ITEM #6). (SEE KITCHEN GENERAL NOTES 11,12,13,14 & 15).
- E6A 208V-3PH 12.5 AMP SERVICE (VERIFY LOCATION) E.C. TO EXTEND TO ICE MAKER COMPRESSOR (ITEM #6A). (SEE GENERAL NOTES 11,12,13,14 & 15).
- E8 120V-1PH 2.0KW 16.7 AMP RECP. @ (+18" A.F.F.) FOR HEATED PROOFING CABINET (ITEM #8).
- E12 120V-1PH 1 H.P. 7 AMP RECP. @ (+48" A.F.F.) FOR FOOD PROCESSOR (ITEM #12).
- E14 (2 LOCATIONS) 120V-1PH 7.7 AMP RECP. @ (+18" & +36" A.F.F.) FOR DOUBLE DECK CONVECTION OVEN (ITEM #14).
- E15 120V-1PH 12 AMP RECP. @ (+18" A.F.F.) FOR RETHERMALIZER (ITEM #15).
- E27 120V-1PH 1/5 H.P. 2.46 AMP RECP. @ (+18" A.F.F.) FOR REFRIGERATED PREP TABLE (ITEM #27).
- E28 120V-1PH 1/4 H.P. 5.2 AMP RECP. @ (+18" A.F.F.) FOR REFRIGERATOR (ITEM #28).
- E29 120V-1PH 1/3 H.P. 6.3 AMP RECP. @ (+18" A.F.F.) FOR FREEZER (ITEM #29).
- E30 (2 LOCATIONS) 120V-1PH 1.7 AMP SERVICE @ (+18" A.F.F.) E.C. TO EXTEND TO FRYER BATTERY (ITEM #30). (SEE KITCHEN GENERAL NOTES 11,12,13,14 & 15).
- E30A 120V-1PH 1/3 H.P. 7 AMP SERVICE @ (+18" A.F.F.) E.C. TO EXTEND TO FRYER FILTER (ITEM #30). (SEE KITCHEN GENERAL NOTES 11,12,13,14 & 15).
- E31 120V-1PH 2.192 KW 18.3 AMP RECP. @ (+18" A.F.F.) FOR HEATED CABINET (ITEM #31). 1/2"C, 2 # 10AWG & 1 # 10 GRD.
- E33 (2 LOCATIONS) 120V-1PH 1/5 H.P. 2.5 AMP RECP. @ (+18" A.F.F.) FOR REFRIGERATED EQUIPMENT (ITEM #33).
- E38 208V-1PH 3.6 KW SERVICE @ (+66" A.F.F.) E.C. TO EXTEND TO CHEESEMELTER (ITEM #38). (SEE KITCHEN GENERAL NOTES 11,12,13,14 & 15).
- E38 208V-1PH 2.6 KW 12.5 AMP SERVICE @ (+48" A.F.F.) E.C. TO EXTEND TO CONVEYOR TOASTER (ITEM #38). (SEE KITCHEN GENERAL NOTES 11,12,13,14 & 15).
- E40 (5 LOCATIONS) 208V-1PH 3 KW 20 AMP RECP. @ (+72" A.F.F.) FOR MICROWAVE OVEN (ITEM #40).
- E41 120V-1PH 1/3 H.P. 6.1 AMP RECP. @ (+18" A.F.F.) FOR REFRIGERATED PREP TABLE (ITEM #41).
- E42 120V-1PH 1.85 KW 13.75 AMP SERVICE @ (+24" A.F.F.) E.C. TO EXTEND TO HOT FOOD WELL (ITEM #42). (SEE KITCHEN GENERAL NOTES 11,12,13,14 & 15).
- E43 (2 LOCATIONS) 120V-1PH .35 KW SERVICE @ (+72" A.F.F.) E.C. TO EXTEND TO OVERHEAD HEAT LAMP (ITEM #43). (SEE KITCHEN GENERAL NOTES 11,12,13,14 & 15).
- E44 120V-1PH 1.692 KW 14.1 AMP RECP. @ (+18" A.F.F.) FOR WARMING CABINET (ITEM #44).
- E45 120/208V-1PH 4.52 KW SERVICE @ (+72" A.F.F.) E.C. TO EXTEND TO OVERHEAD HEAT LAMP (ITEM #45). (SEE KITCHEN GENERAL NOTES 11,12,13,14 & 15). 1/2"C, 3 # 10 AWG & 1 # 10 GRD.
- E45.1 120/208V-1PH 3.81 KW SERVICE @ (+72" A.F.F.) E.C. TO EXTEND TO OVERHEAD HEAT LAMP (ITEM #45). (SEE KITCHEN GENERAL NOTES 11,12,13,14 & 15). 1/2"C, 3 # 10 AWG & 1 # 10 GRD.
- E46 120V-1PH .95 KW 8 AMP RECP. @ (+24" A.F.F.) FOR WARMING DRAWER (ITEM #46).
- E48 208V-1PH 3.6 KW SERVICE @ (+66" A.F.F.) E.C. TO EXTEND TO CHEESEMELTER (ITEM #49). (SEE KITCHEN GENERAL NOTES 11,12,13,14 & 15).
- E50 120V-1PH 1/3 H.P. 6.1 AMP RECP. @ (+18" A.F.F.) FOR REFRIGERATED PREP TABLE (ITEM #50).
- E54 (STUB-UP) 120V-1PH .1 KW 1 AMP FLUSH MOUNTED RECP. FOR DIPPER WELL (ITEM #54).
- E56 (STUB-UP) 120V-1PH 1/4 H.P. 3.5 AMP FLUSH MOUNTED RECP. FOR ICE CREAM DIPPING CABINET (ITEM #56).
- E59 120V-1PH 1/4 H.P. 5.2 AMP RECP. @ (+18" A.F.F.) FOR REFRIGERATOR (ITEM #59).
- E64 120V-1PH 1/5 H.P. 2.46 AMP RECP. @ (+18" A.F.F.) FOR REFRIGERATED PREP TABLE (ITEM #64).
- E67 120V-1PH 1.67 KW 14 AMP SERVICE @ (+48" A.F.F.) E.C. TO EXTEND TO COFFEE MAKER (ITEM #67). (SEE KITCHEN GENERAL NOTES 11, 12, 13, 14 & 15). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY.
- E68 120V-1PH 15 AMP RECP. @ (+48" A.F.F.) FOR SODA DISPENSER (ITEM #68). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY.
- E78 208V-1PH 2 HP 5 KW 43 AMP SERVICE @ (+60" A.F.F.) E.C. TO EXTEND TO DISHMACHINE (ITEM #78) TANK HEAT & MOTOR CONNECT. (SEE KITCHEN GENERAL NOTES 11,12,13,14 & 15). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. 1/2"C, 2 # 6 AWG & 1 # 10 GRD.
- E87 (DROP FROM ABOVE) 120V-1PH 16 AMP SERVICE TO (+106" A.F.F.) E.C. TO CONNECT TO JUNCTION BOX ON TOP OF WALK-IN COOLER (ITEM #87). 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. K.E.C. 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).
- E87A (DROP FROM ABOVE) 208V-1PH 4.9 AMP SERVICE TO (+96" A.F.F.) WALK-IN COOLER COIL (ITEM #87A). E.C. TO RUN CONTROL WIRES FROM COOLER COIL (ITEM #87A) TO THERMOSTAT ON COOLER COMPRESSORS (ITEM #87B). E.C. TO FIELD VERIFY LOCATION. (SEE KITCHEN GENERAL NOTES 20 & 21). PROVIDE TOGGLE DS.
- E87B 208V-1PH 1/2 H.P. 5.7 AMP SERVICE TO WALK-IN COOLER COMPRESSOR (ITEM #87B). E.C. TO EXTEND TO K.E.C. FURNISHED FUSED DISCONNECT SWITCH. E.C. TO FIELD VERIFY LOCATION. (SEE KITCHEN GENERAL NOTES 20 & 21). PROVIDE TOGGLE DS.
- BAR EQUIPMENT ELECTRICAL ROUGH-IN NOTES:
- E88 (3 LOCATIONS) 120V-1PH 1/5 H.P. 5.4 AMP RECP. @ (+18" A.F.F.) FOR BOTTLE COOLER (ITEM #88).
- EB11 120V-1PH 1/3 H.P. 8 AMP RECP. @ (+18" A.F.F.) FOR BOTTLE COOLER (ITEM #811).
- EB13 (2 LOCATIONS) (STUB-UP) 120V-1PH 1/4 H.P. 3.7 AMP FLUSH MOUNTED RECP. FOR BACK BAR COOLER (ITEM #813).
- EB14 120V-1PH 1 H.P. 12 AMP RECP. @ (+24" A.F.F.) FOR GLASS WASHER (ITEM #814).
- 95.0 120V-1PH, 20A, ISOLATED GROUND RECEPTACLE FOR POS.



NOTE: ALL RECEPTACLES IN KITCHEN SHALL BE GFCI TYPE.

1 FLOOR PLAN - POWER
E2.0 1/8" = 1'-0"



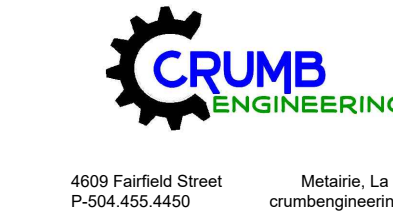
GENERAL NOTES THIS SHEET:

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.

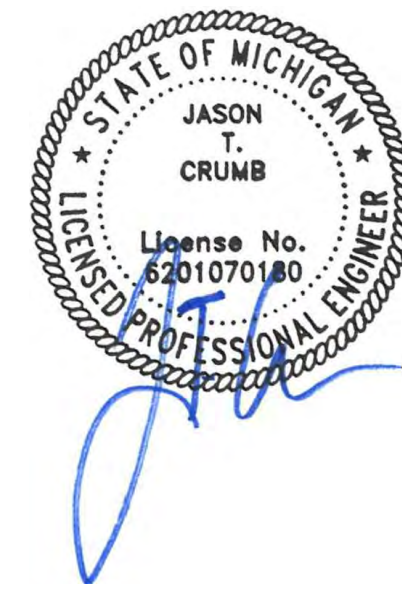
SPECIFIC NOTES THIS SHEET:

- ① RTU-1, 71.9 MCA, 80A MDP. 1" C, 3 #4 AWG & 1 #GRD.
- ② RTU-2, 71.9 MCA, 80A MDP. 1" C, 3 #4 AWG & 1 #GRD.
- ③ DOAS, 81.5 MCA, 90 A MDP. 1 1/2" C, 3 #3 AWG & 1 #8 GRD.
- ④ KITCHEN EXHAUST FAN WITH DISCONNECT SWITCH.

1 ROOF PLAN - ELECTRICAL
E2.1 1/8" = 1'-0"



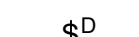
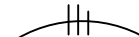
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NO. DATE	IA 2119
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	E2.1

DATE 11/10/2021

LEGEND

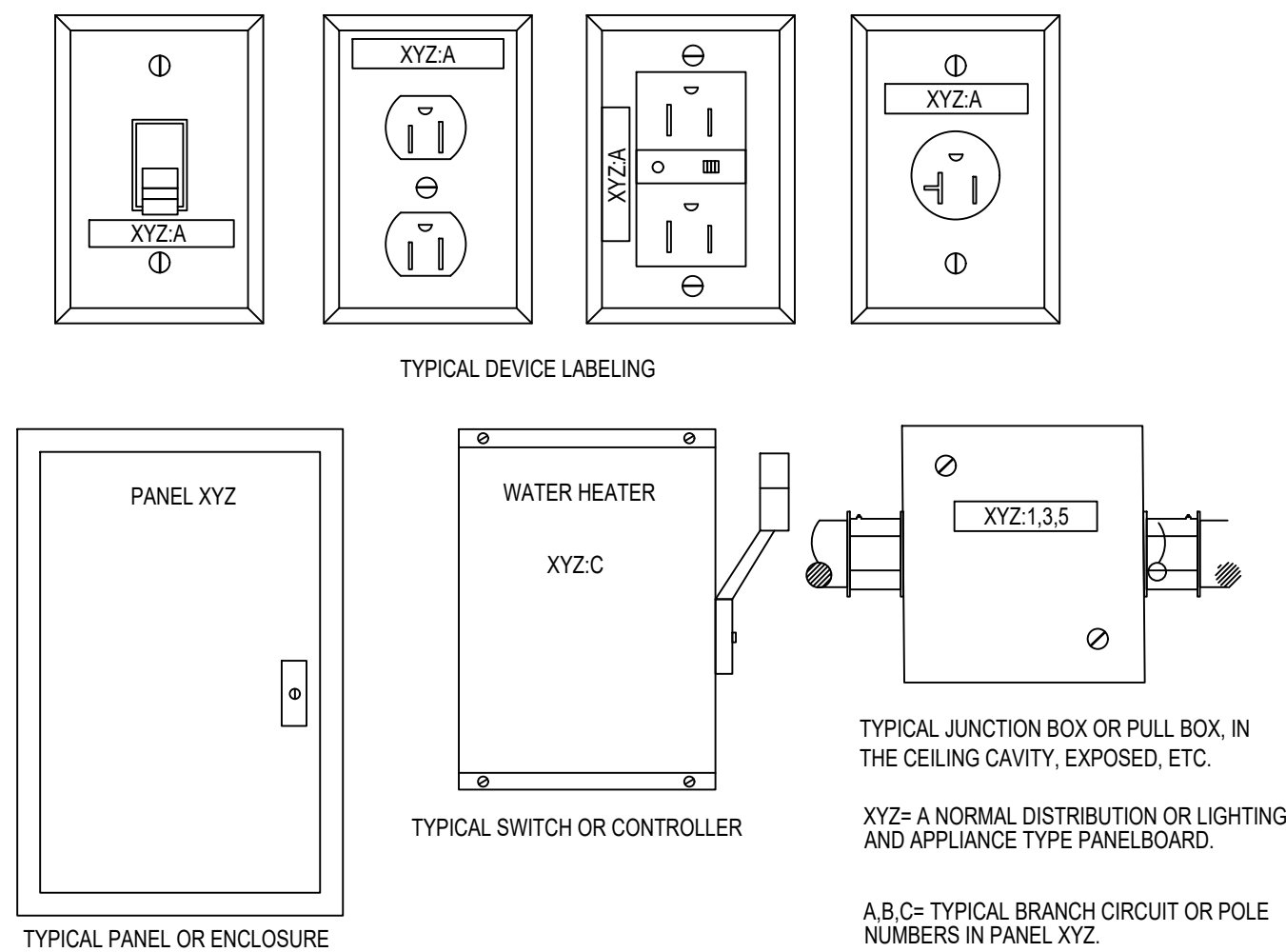
SYMBOL	DESCRIPTION		SYMBOL	DESCRIPTION
	SINGLE POLE SWITCH	LETTER DENOTES FIXTURE CONTROL		DUPLEX RECEPTACLE MTD. 18" ABOVE FLOOR
	THREE WAY SWITCH			DUPLEX RECEPT.MTD. ABOVE WORK SURFACE
	COBINATION CEILING FAN/LIGHT SWITCH			DUPLEX RECEPTACLE, WEATHERPROOF
	DIMMER SWITCH			FLOOR OUTLET
	HOME RUN TO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

PANEL D VOLTAGE 208Y/120V,3Ø,4W			CABINET FEEDER	SURFACE MOUNTED TOP	TYPE MAINS	DIMMER 125AMP MLO		
CKT.	CH.	NOTE	DESCRIPTION	DIMMER	CKT. BREAKER	ØA	ØB	ØC
1	1		DINING TABLES - FRONT/LEFT	2.4 KW	20/1	1320		
2	2		DINING TABLES - TRACK FRONT	2.4 KW	20/1		900	
3	3		DINING TABLES - BAR	2.4 KW	20/1			700
4	4		DINING TABLES - TRACK	2.4 KW	20/1	800		
5	5		NOT USED	2.4 KW	20/1		1550	
6	6		NOT USED	2.4 KW	20/1			1500
7	7		EXTERIOR LIGHTS	2.4 KW	20/1	1200		
8	8		BAR - GLASS RACK	2.4 KW	20/1		320	
9	9		BAR - TOP	2.4 KW	20/1			720
10	10		BAR - WORK	2.4 KW	20/1	1600		
11	11		BOOTHES	2.4 KW	20/1		920	
12	12		NOT USED	2.4 KW	20/1			1000
13	12		NOT USED	2.4 KW	20/1	1000		
14	13		NOT USED	2.4 KW	20/1		1500	
15	14		LOBBY/ENTRY	2.4 KW	20/1			1200
16	15		ACCENT/ENTRY	2.4 KW	20/1	750		
17	16		NOT USED	2.4 KW	20/1		1000	
18	16		NOT USED	2.4 KW	20/1			1000
19	16		NOT USED	2.4 KW	20/1	1200		
20	17		BAR	2.4 KW	20/1		1600	
21	18		NOT USED	2.4 KW	20/1			800
22	19		NOT USED	2.4 KW	20/1	1320		
23	20		ENTRY	2.4 KW	20/1			
24	21		NOT USED	2.4 KW	20/1			
25	-	L	EMERGENCY/EXIT LIGHTS	-	20/1	1320		
INTEGRATED EQUIPMENT RATING: 22,000 AIC						KVA PHASE TOTAL:		
						9.2	7.8	6.9
KVA PANELBOARD LOAD TOTAL:						23.9		

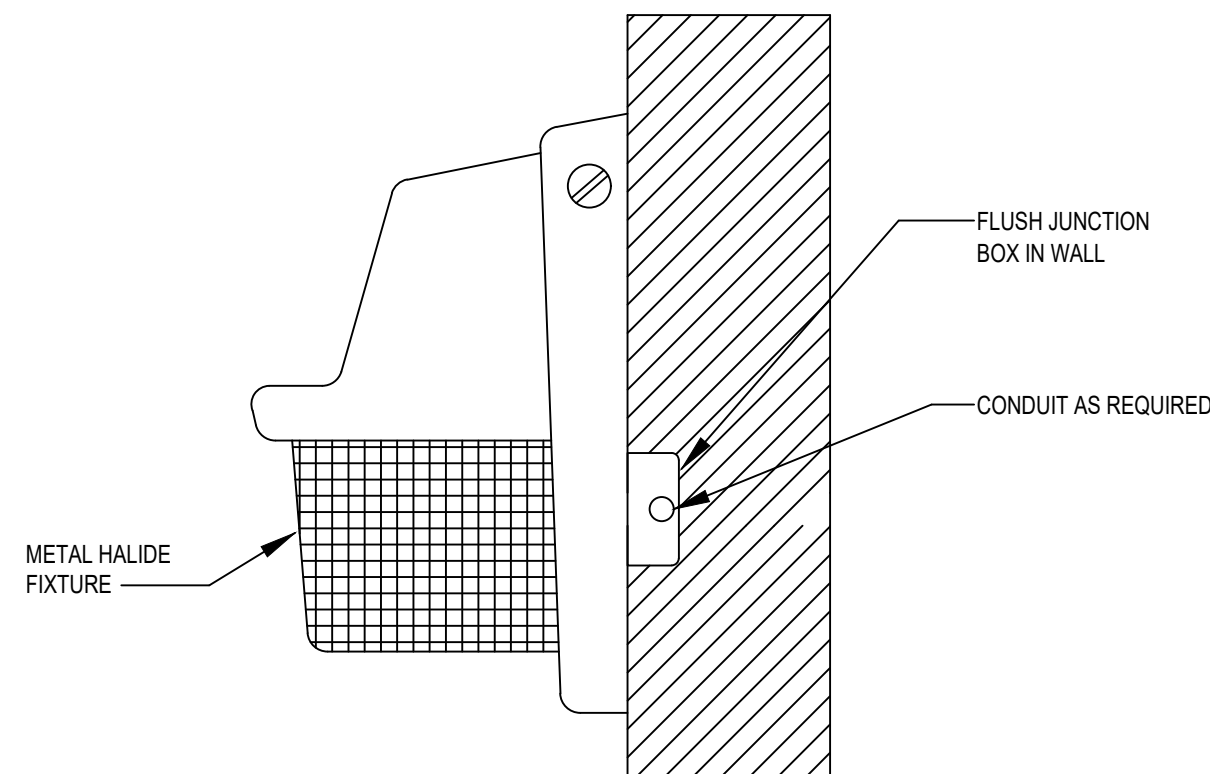
NOTES:
L= LOCK-ON DEVICE ON CIRCUIT BREAKER HANDLE.

16100 - ELECTRICAL

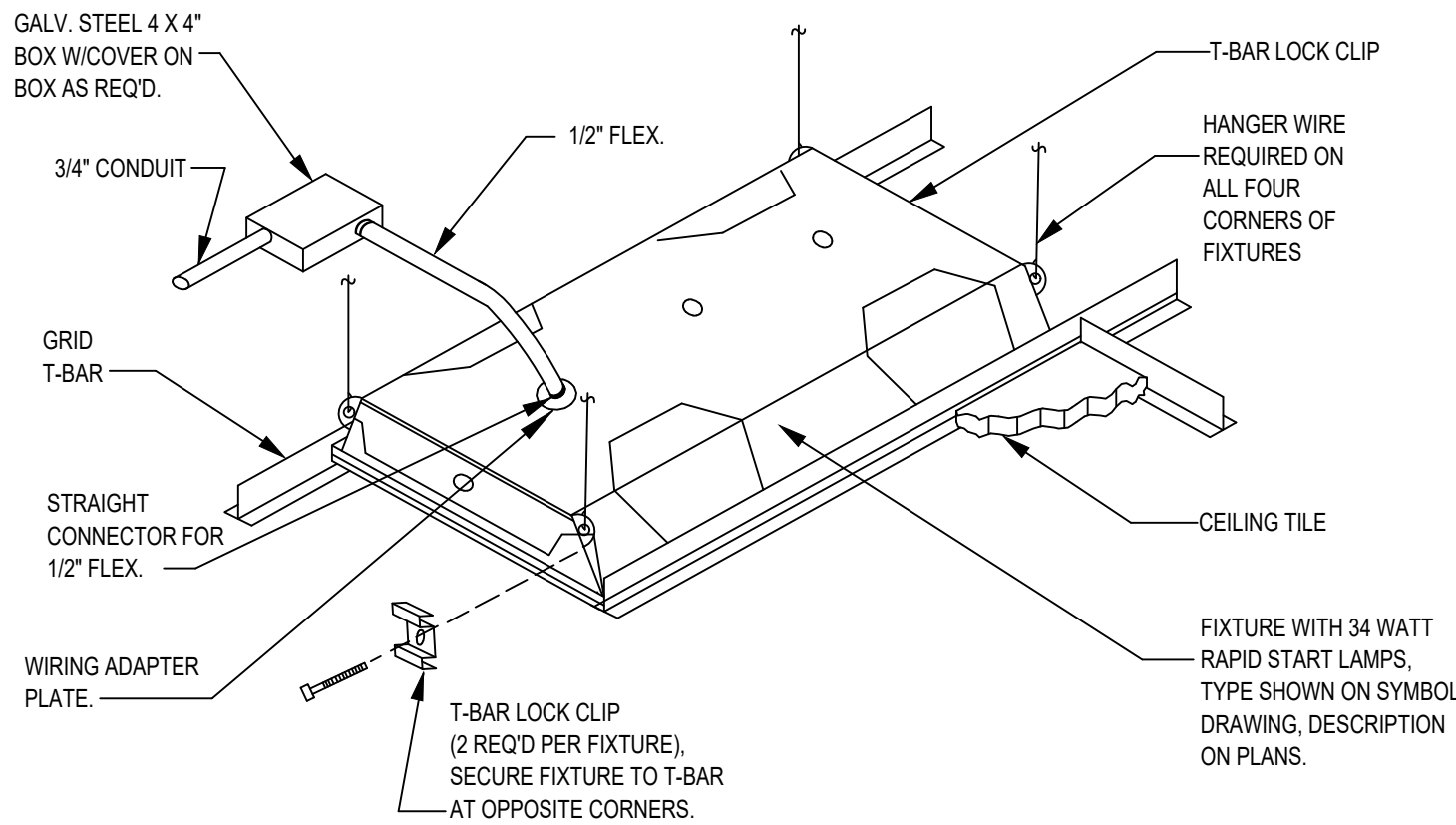
- General
- A. Provide all labor, materials, equipment, fees, and electrical permits and all necessary items to install a complete electrical system.
- B. It is the intent of this specification and of the plans to provide a complete system, regardless of whether each individual component is mentioned 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. P.V.C conduit shall transition to rigid galvanized steel below grade, prior to sub-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" aft 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 rooms 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 Electrical 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 to 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.
- 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 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 sub-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 provided, 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 internal via connectors. Contractors 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 required by ADT. All boxes for fire alarm system shall be the owner's property to meet AEDA requirements (80" AFF for strobes and 48" for pull stations).



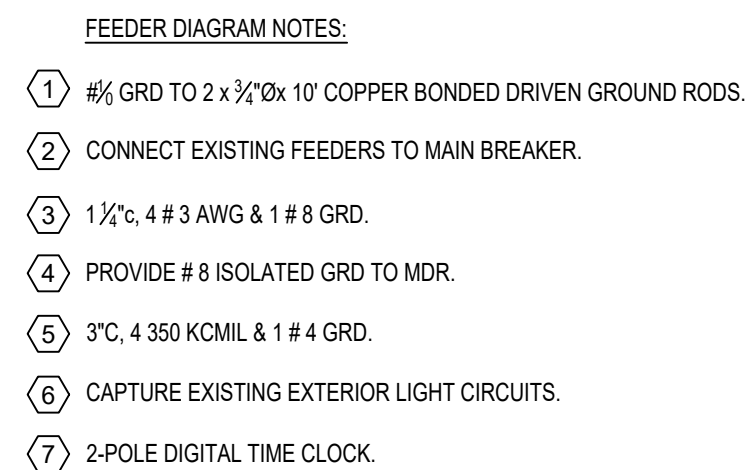
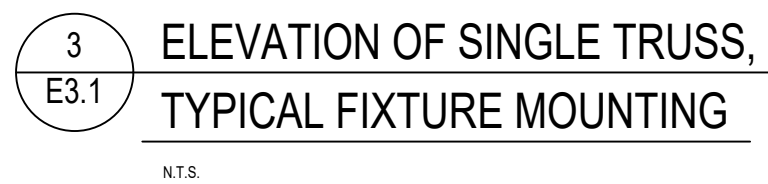
DEVICE AND EQUIPMENT LABELING DETAIL



1 EXTERIOR LIGHTING FIXTURE MOUNTING DETAIL
E3.0 N.T.S.



2 TYPICAL RECESSED FLUORESCENT FIXTURE MOUNTING



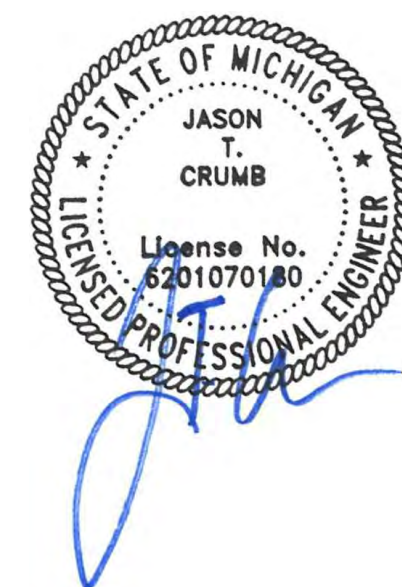
iA ARCHITECTURE

SMOKEY BONES
UTICA, MI



4609 Fairfield Street Metairie, La 70006
P-504.455.4450 crumbengineering.com

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REVISIONS		PROJECT NO:
NO.	DATE	IA 2119
		SHEET E3.1

DATE 11/10/2021

1 ELECTRICAL SCHEDULES AND DETAILS
E3.1 NO SCALE

D

PROJECT NAME:	Smokey Bones Utica	DATE:	11/10/2021
CE JOB #:		LOCATION:	178
PANEL:	C	MOUNTING:	SURFACE MOUNT
VOLTAGE:	120/208	PHASE:	3, 4 WIRE
BUS 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
MAIN OVERCURRENT DEVICE TYPE:	CB		
MAIN OVERCURRENT AMPS:	100		
REMARKS:	WITH GROUND BUS, 10000 AIC, TUSSS, ISOLATED GROUND BUS		

CKT NO.	CIRCUIT NAME	BREAKER AMP	POLE	LOAD VA	USE PH	USE	LOAD VA	BREAKER AMP	POLE	CIRCUIT NAME	CKT NO.
1	POS	20	1	500	R	A	R	500	20	1	POS
3	POS	20	1	500	R	B	R	500	20	1	POS
5	POS	20	1	500	R	C	R	500	20	1	POS
7	OFFICE	20	1	400	R	A	S	200	20	1	SPARE
9	OFFICE	20	1	400	R	B	S	200	20	1	SPARE
11	OFFICE	20	1	400	R	C	S	200	20	1	SPARE
13	SPARE	20	1	200	S	A	S	200	20	1	SPARE
15	SPARE	20	1	200	S	B	S	200	20	1	SPARE
17	SPARE	20	1	200	S	C	S	200	20	1	SPARE
19	SPARE	20	1	200	S	A	S	200	20	1	SPARE
21	SPARE	20	1	200	S	B	S	200	20	1	SPARE
23	SPARE	20	1	200	S	C	S	200	20	1	SPARE
25	SPARE	20	1	200	S	A	S	200	20	1	SPARE
27	SPARE	20	1	200	S	B	S	200	20	1	SPARE
29	SPARE	20	1	200	S	C	S	200	20	1	SPARE
31	SPARE	20	1	200	S	A	S	200	20	1	SPARE
33	SPARE	30	1	200	S	B	S	200	20	1	SPARE
35	SPARE	30	1	200	S	C	S	200	20	1	SPARE
37	SPARE	20	1	200	S	A	S	200	20	1	SPARE
39	SPARE	20	1	200	S	B	S	200	20	1	SPARE
41	SPARE	20	1	200	S	C	S	200	20	1	SPARE

	PHASE A	PHASE B	PHASE C	OT 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)	1400	1400	1400	4200	1	4200
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)	2200	2200	2200	6600	1	6600
HVAC HEATING LOAD (VA)	0	0	0	0	1	0
TOTAL LOAD (VA)	3600	3600	3600	10800		10800

TOTAL CONNECTED LOAD KW	10.8	TOTAL DEMAND LOAD KW	10.8
PHASE A CONNECTED AMPS	17.31	PHASE B CONNECTED AMPS	17.31
PHASE C CONNECTED AMPS	17.31		
PHASE A DEMAND AMPS	17	PHASE B DEMAND AMPS	17.3
PHASE C DEMAND AMPS	17.3		

C

B

A

PROJECT NAME:	Smokey Bones Utica	DATE:	11/10/2021
CE JOB #:		LOCATION:	ELEC
PANEL:	MDP	MOUNTING:	SURFACE
VOLTAGE:	120/208	PHASE:	3, 4W
BUS 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
MAIN OVERCURRENT DEVICE TYPE:	CB		
MAIN OVERCURRENT AMPS:	1200		
REMARKS:	TVSS, GROUND BUS, 22000 AIC, SHUNT TRIP MAIN		

CKT NO.	CIRCUIT NAME	BREAKER AMP	POLE	LOAD VA	USE PH	USE	LOAD VA	BREAKER AMP	POLE	CIRCUIT NAME	CKT NO.
1	DISHMACHINE	60	2	3250	K	A	E	750	20	2	KEF-2
3				3250	K	B	E	750	20	2	KEF-3
5	KITCHEN DOAS	90	3	8000	E	A	E	1000	20	1	KEF-4
7				8000	E	B	E	500	20	1	PANEL P
9				8000	E	M	E	16670	300	3	
11	RTU-1	80	3	8350	E	C	M	15900			
13				8350	E	A	M	16590			
15				8350	E	B	M	17540	300	3	PANEL K1
17	RTU-2	80	3	8350	E	C	M	20650			
19				8350	E	A	M	18450			
21				8350	E	B	M	3600	100	3	PANEL C
23	KEF-1	20	1	1000	M	C	M	3600			
25	SPARE	20	1	200	S	A	M	3600			
27	SPARE	20	1	200	S	B	M	9000	100	3	PANEL D
29	SPARE	20	1	200	S	C	M	8000			
31	SPARE	20	1	200	S	A	M	7000			
33	SPARE	20	1	200	S	B	M	5200	100	3	PANEL L
35	SPARE	20	1	200	S	C	M	5000			
37	SPARE	20	1	200	S	A	M	7300			
39	SPARE	20	1	200	S	B	S	200	20	1	SPARE
41	SPARE	20	1	200	S	C	S	200	20	1	SPARE
43	SPARE	20	1	200	S	A	S	200	20	1	SPARE
45	SPARE	20	1	200	S	B	S	200	20	1	SPARE
47	SPARE	20	1	200	S	C	S	200	20	1	SPARE
49	SPARE	20	1	200	S	A	S	200	20	1	SPARE
51	SPARE	20	1	200	S	B	S	200	20	1	SPARE
53	SPARE	20	1	200	S	C	S	200	20	1	SPARE
55	SPARE	20	1	200	S	A	S	200	20	1	SPARE
57	SPARE	20	1	200	S	B	S	200	20	1	SPARE
59	SPARE	20	1	200	S	C	S	200	20	1	SPARE

PHASE A	83930	PHASE B	82710	PHASE C	81850	TOTAL	248490	DEMAND	198792
TOTAL LOAD (VA)									
TOTAL CONNECTED LOAD KW	248.49	TOTAL DEMAND LOAD KW	198.8						
PHASE A CONNECTED AMPS	403.51	PHASE B CONNECTED AMPS	397.64	PHASE C CONNECTED AMPS	393.51				
PANEL FUSING SIZE	863.20								

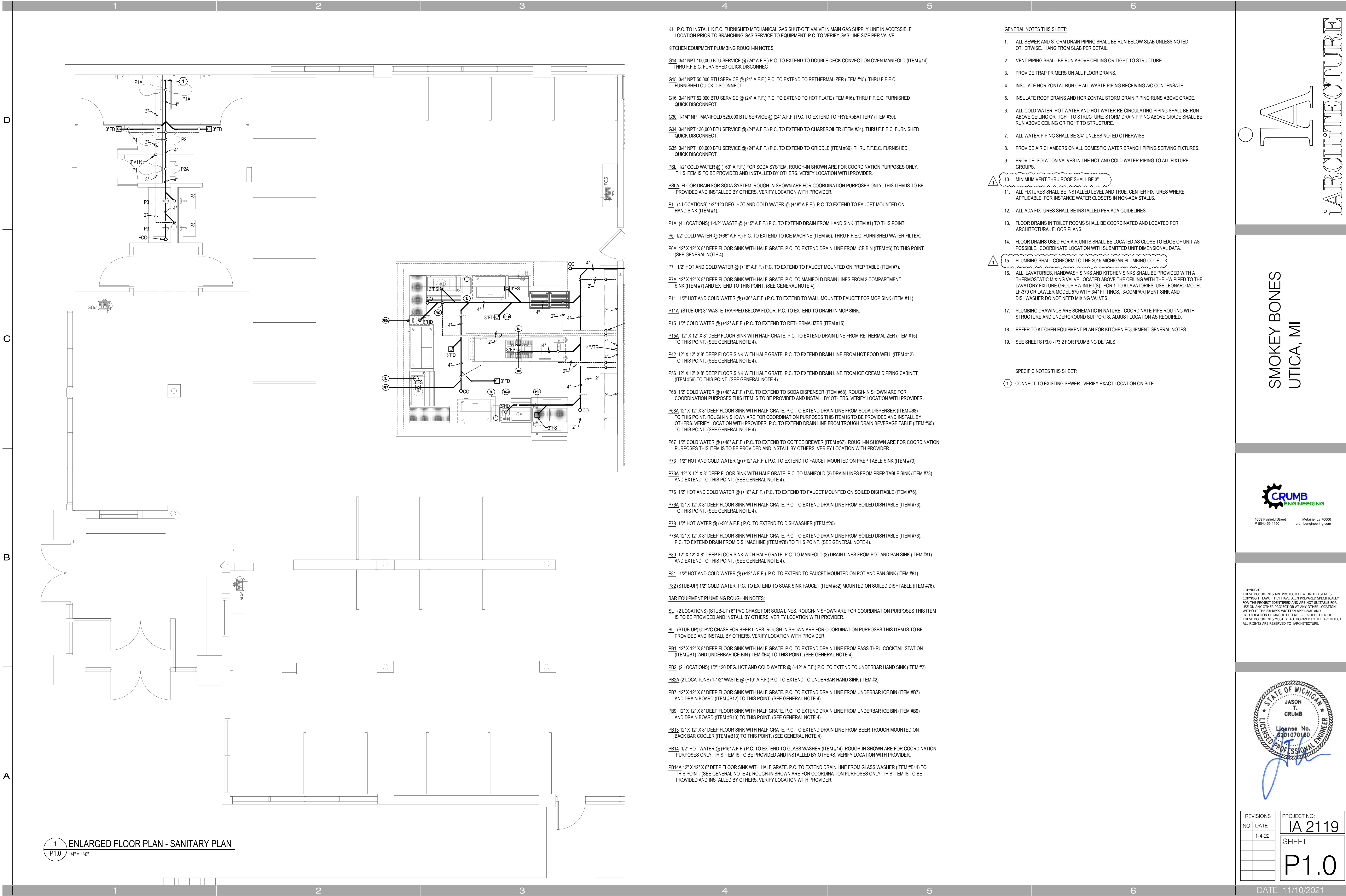
PROJECT NAME:	Smokey Bones Utica	DATE:	11/10/2021
CE JOB #:		LOCATION:	ELEC
PANEL:	K1	MOUNTING:	SURFACE MOUNT
VOLTAGE:	120/208	PHASE:	3, 4 WIRE
BUS AMPS:	400		E= HVAC EQUIP. LOAD COOLING L= LIGHTING LOAD R= RECEPTACLE LOAD W= WATER HEATER K= KITCHEN EQ. M= MISC EQ. S= SPARES H = HVAC EQUIP. LOAD HEATING
MAIN OVERCURRENT DEVICE TYPE:	CB		
MAIN OVERCURRENT AMPS:	300		
REMARKS:	WITH GROUND BUS, 10000 AIC		

CKT NO.	CIRCUIT NAME	BREAKER AMP	POLE	LOAD VA	USE PH	USE	LOAD VA	BREAKER AMP	POLE	CIRCUIT NAME	CKT NO.
1	SODA	20	1	1000	K	A	K	400	20	1	RECEPTACLE
3	REFRIGERATOR	20	1	600	K	B	K	400	20	1	RECEPTACLE
5	DIPPER WELL	20	1	150	K	C	K	200	20	1	SPARE
7	DIPPER CABINET	20	1	500	K	A	K	400	20	1	RECEPTACLE
9	ICE MAKER	20	1	1500	K	B	K	600	20	1	SUCER
11	ICE MAKER	20	1	1500	K	C	K	500	20	1	SMOKER
13	PREP TABLE	20	1	400	K	A	K	500	20	1	SMOKER
15	PREP TABLE	20	1	400	K	B	K	1000	20	1	HOOD POWER LIGHTS
17	COOLER LIGHTS/POWER	20	1	1600	K	C	K	1800	30	2	CHEESEMELTER*
19	CONVECTION OVEN*	20	1	900	K	A	K	1800			
21	SPACE FOR SHUNT TRIP			0	S	B	S	0			SPACE FOR SHUNT TRIP
23	CONVECTION OVEN*	20	1	900	K	C	K	2200	20	1	HEATED CABINET
25	SPACE FOR SHUNT TRIP			0	S	A	K	1500	20	2	MICROWAVE
27	FREEZER	20	1	750	K	B	K	1500			
29	REFRIGERATOR	20	1	650	K	C	K	1500	20	2	MICROWAVE
31	FRYER*	20	1	500	K	A	K	1500			
33	SPACE FOR SHUNT TRIP			0	S	B	K	1500	20	2	MICROWAVE
35	FRYER/FILTER*	20	1	800	K	C	K	1500			
37	SPACE FOR SHUNT TRIP			0	S	A	K	1500	20	2	MICROWAVE
39	REFRIGERATED CLIP*	20	1	600	K	B	K	1500			
41	SPACE FOR SHUNT TRIP			0	S	C	K	1500	20	2	MICROWAVE
43	CHEESEMELTER*	30	2	1800	K	A	K	1500			
45				1800	K	B	K	2250	30	2	HEAT LAMP
47	PREP TABLE	20	1	700	K	C	K	2250			
49	WARMING DRAWER	20	1	1000	K	A	K	350	20	1	HEAT LAMP
51	PREP TABLE	20	1	720	K	B	K	720	20	1	PREP TABLE
53	TOASTER	20	2	1300	K	C	K	1600	30	2	HEAT LAMP
55				1300	K	A	K	1600			
57	SPARE	20	1	200	S	B	K	1700	20	1	HOT WELL
59	SPARE	20	1	200	S	C	S	200	20	1	SPARE
61	SPARE	20	1	200	S	A	S	200	20	1	SPARE
63	SPARE	20	1	200	S	B	S	200	20	1	SPARE
65	SPARE	20	1	200	S	C	S	200	20	1	SPARE
67	SPARE	20	1	200	S	A	S	200	20	1	SPARE
69	SPARE	20	1	200	S	B	S	200	20	1	SPARE
71	SPARE	20	1	200	S	C	S	200	20	1	SPARE
73	SPARE	20	1	200	S	A	S	200	20	1	SPARE
75	SPARE	20	1	200	S	B	S	200	20	1	SPARE
77	SPARE	20	1	200	S	C	S	200	20	1	SPARE
79	SPARE	20	1	200	S	A	S	200	20	1	SPARE
81	SPARE	20	1	200	S	B	S	200	20	1	SPARE
83	SHUNT TRIP BREAKER WIRE TO HOOD CONTROLS	20	1	200	S	C	S	200	20	1	SPARE

PHASE A	PHASE B	PHASE C	TOTAL
TOTAL LOAD (VA)	20050	19,340	23050
TOTAL CONNECTED LOAD KW	62.44		
PHASE A CONNECTED AMPS	96.39	PHASE B CONNECTED AMPS	92.98
PHASE C CONNECTED AMPS	110.82		

PROJECT NAME:	Smokey Bones Utica	DATE:	11/10/2021
CE JOB #:		LOCATION:	ELEC
PANEL:	P	MOUNTING:	SURFACE MOUNT
VOLTAGE:	120/208	PHASE:	3, 4 WIRE
BUS AMPS:	400		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
MAIN OVERCURRENT DEVICE TYPE:	CB		
MAIN OVERCURRENT AMPS:	300		
REMARKS:	WITH GROUND BUS, 10000 AIC		

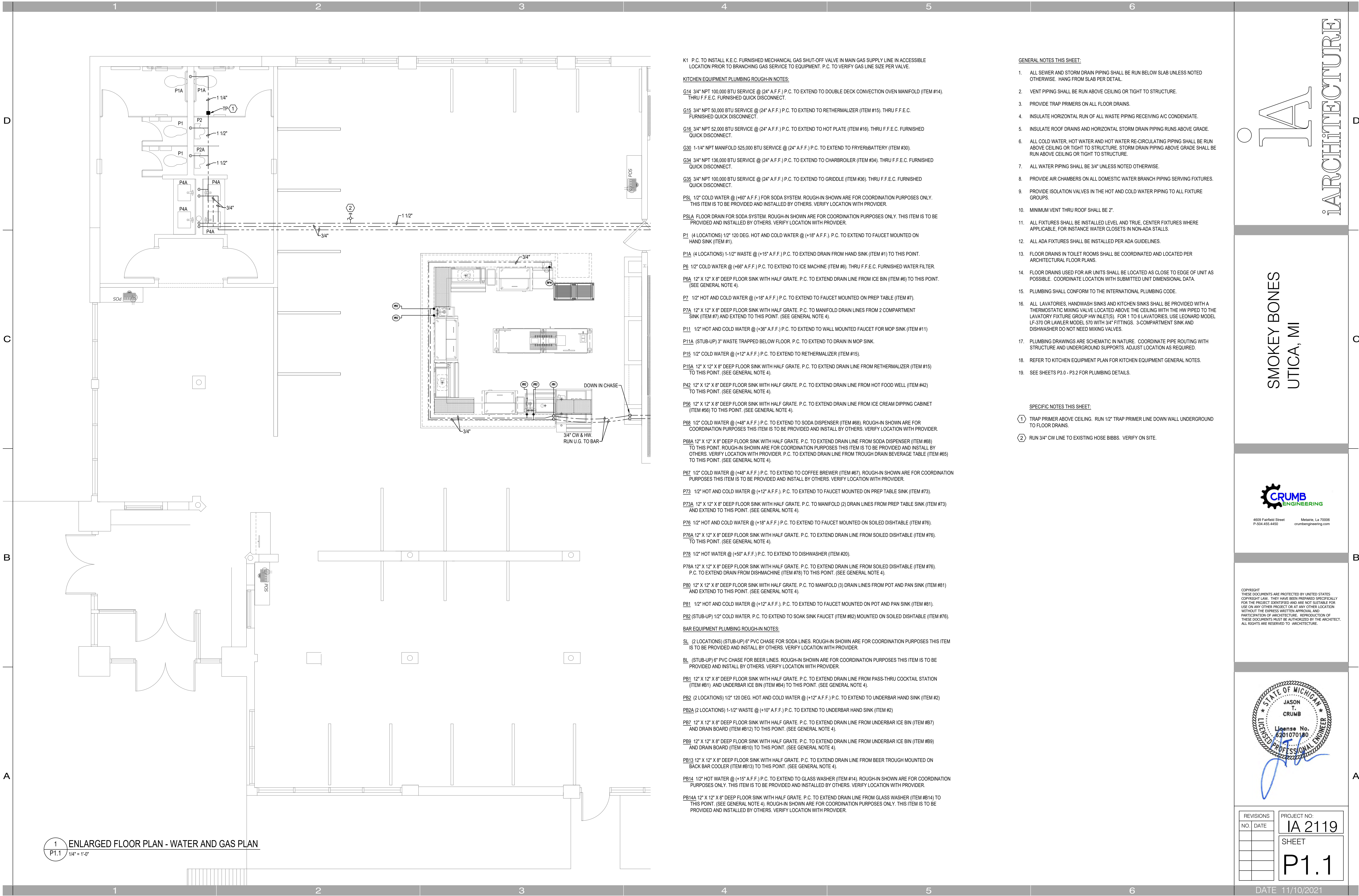
REMARKS: WITH GROUND BUS, 10000 AMP											
CKT NO.	CIRCUIT NAME	BREAKER AMP	POLE	LOAD VA	USE PH	USE	LOAD VA	BREAKER AMP	POLE	CIRCUIT NAME	CKT NO.
1	WATER HEATER	20	1	500	R	A	R	500	20	1	EXISTING CIRCUIT*
3	CIRC PUMP	20	1	150	R	B	R	500	20	1	EXISTING CIRCUIT*
5	WATER SOFT	20	1	250	R	C	R	500	20	1	EXISTING CIRCUIT*
7	TOILET ROOM	20	1	180	R	A	R	500	20	1	EXISTING CIRCUIT*
9	RECEPTACLES	20	1	800	R	B	R	500	20	1	EXISTING CIRCUIT*
11	RECEPTACLES	20	1	400	R	C	K	2000	30	3	EXISTING COOLER/
13	RECEPTACLES	20	1	800	R	A	K	2000			FREEZER
15	RECEPTACLES	20	1	400	R	B	K	2000			
17	RECEPTACLES	20	1	600	R	C	K	2000	30	3	EXISTING COOLER/
19	RECEPTACLES	20	1	400	R	A	K	2000			FREEZER
21	RECEPTACLES	20	1	400	R	B	K	2000			
23	BAR RECEPTACLES	20	1	1800	R	C	K	2000	30	3	EXISTING COOLER/
25	OFFICE	20	1	400	R	A	K	2000			FREEZER
27	OFFICE	20	1	400	R	B	K	2000			
29	OFFICE	20	1	400	R	C	K	800	20	1	EXT BTL COOLER/FREE
31	BAR RECEPTACLES	20	1	800	R	A	K	800	20	1	EXT BTL COOLER/FREE
33	BOTTLE COOLER	20	1	600	K	B	K	800	20	1	EXT BTL COOLER/FREE
35	BOTTLE COOLER	20	1	600	K	C	K	200	20	1	EXT BTL COOLER/FREE
37	BOTTLE COOLER	20	1	600	K	A	K	2000	30	3	EXISTING COOLER/
39	BAR COOLER	20	1	450	K	B	K	2000			FREEZER
41	BAR COOLER	20	1	450	K	C	K	2000			
43	BOTTLE COOLER	20	1	1000	K	A	K	400	20	1	RECEPTACLES
45	GLASS WASHER	20	1	1300	K	B	K	1670	20	1	COFFEE
47	PREP TABLE	20	1	400	K	C	K	500	20	1	SODA
49	EF-6	20	1	400	M	A	K	200	20	2	COOLER
51	EF-7	20	1	400	M	B	K	300			
53	RECEPTACLES	20	1	600	R	C	K	400	20	2	COOLER
55	RECEPTACLES	20	1	600	R	A	K	400			
57	SPARE	20	1	200	S	B	S	200	20	1	SPARE
59	SPARE	20	1	200	S	C	S	200	20	1	SPARE
61	SPARE	20	1	200	S	A	S	200	20	1	SPARE
63	SPARE	20	1	200	S	B	S	200	20	1	SPARE
65	SPARE	20	1	200	S	C	S	200	20	1	SPARE
67	SPARE	20	1	200	S	A	S	200	20	1	SPARE
69	SPARE	20	1	200	S	B	S	200	20	1	SPARE
71	SPARE	20	1	200	S	C	S	200	20	1	SPARE
73	SPARE	20	1	200	S	A	S	200	20	1	SPARE
75	SPARE	20	1	200	S	B	S	200	20	1	SPARE
77	SPARE	20	1	200	S	C	S	200	20	1	SPARE
79	SPARE	20	1	200	S	A	S	200	20	1	SPARE
81	SPARE	20	1	200	S	B	S	200	20	1	SPARE
83	SPARE	20	1	200	S	C	S	200	20	1	SPARE



- 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.
- G15 3/4" NPT 50,000 BTU SERVICE @ (24" A.F.F.) P.C. TO EXTEND TO RETHERMALIZER (ITEM #15). 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.
- G30 1-1/4" NPT MANIFOLD 525,000 BTU SERVICE @ (24" A.F.F.) P.C. TO EXTEND TO FRYER&BATTERY (ITEM #30).
- G34 3/4" NPT 136,000 BTU SERVICE @ (24" A.F.F.) P.C. TO EXTEND TO CHARBROILER (ITEM #34). THRU F.F.E.C. FURNISHED QUICK DISCONNECT.
- G35 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.
- 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 (4 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 (4 LOCATIONS) 1-1/2" WASTE @ (+15" A.F.F.) P.C. TO EXTEND DRAIN FROM HAND SINK (ITEM #1) TO THIS POINT.
- P6 1/2" COLD WATER @ (+66" A.F.F.) P.C. TO EXTEND TO ICE MACHINE (ITEM #6). THRU F.F.E.C. FURNISHED WATER FILTER.
- P6A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM ICE BIN (ITEM #6) TO THIS POINT. (SEE GENERAL NOTE 4).
- P7 1/2" HOT AND COLD WATER @ (+18" A.F.F.) P.C. TO EXTEND TO FAUCET MOUNTED ON PREP TABLE (ITEM #7).
- P7A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANIFOLD DRAIN LINES FROM 2 COMPARTMENT SINK (ITEM #7) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).
- P11 1/2" HOT AND COLD WATER @ (+36" A.F.F.) P.C. TO EXTEND TO WALL MOUNTED FAUCET FOR MOP SINK (ITEM #11)
- P11A (STUB-UP) 3" WASTE TRAPPED BELOW FLOOR. P.C. TO EXTEND TO DRAIN IN MOP SINK.
- 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).
- P42 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM HOT FOOD WELL (ITEM #42) TO THIS POINT. (SEE GENERAL NOTE 4).
- P66 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM ICE CREAM DIPPING CABINET (ITEM #66) TO THIS POINT. (SEE GENERAL NOTE 4).
- P68 1/2" COLD WATER @ (+48" A.F.F.) P.C. TO EXTEND TO SODA DISPENSER (ITEM #68). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS. VERIFY LOCATION WITH PROVIDER.
- P68A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM SODA DISPENSER (ITEM #68) 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 BEVERAGE TABLE (ITEM #65) TO THIS POINT. (SEE GENERAL NOTE 4).
- P67 1/2" COLD WATER @ (+48" A.F.F.) P.C. TO EXTEND TO COFFEE BREWER (ITEM #67). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS. VERIFY LOCATION WITH PROVIDER.
- P73 1/2" HOT AND COLD WATER @ (+12" A.F.F.) P.C. TO EXTEND TO FAUCET MOUNTED ON PREP TABLE SINK (ITEM #73).
- P73A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANIFOLD (2) DRAIN LINES FROM PREP TABLE SINK (ITEM #73) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).
- P76 1/2" HOT AND COLD WATER @ (+18" A.F.F.) P.C. TO EXTEND TO FAUCET MOUNTED ON SOILED DISHTABLE (ITEM #76).
- P76A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM SOILED DISHTABLE (ITEM #76). TO THIS POINT. (SEE GENERAL NOTE 4).
- P78 1/2" HOT WATER @ (+50" A.F.F.) P.C. TO EXTEND TO DISHWASHER (ITEM #20).
- P78A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM SOILED DISHTABLE (ITEM #76). P.C. TO EXTEND DRAIN FROM DISHMACHINE (ITEM #78) TO THIS POINT. (SEE GENERAL NOTE 4).
- P80 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANIFOLD (3) DRAIN LINES FROM POT AND PAN SINK (ITEM #81) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).
- P81 1/2" HOT AND COLD WATER @ (+12" A.F.F.) P.C. TO EXTEND TO FAUCET MOUNTED ON POT AND PAN SINK (ITEM #81).
- P82 (STUB-UP) 1/2" COLD WATER. P.C. TO EXTEND TO SOAK SINK FAUCET (ITEM #82) MOUNTED ON SOILED DISHTABLE (ITEM #76).
- 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 PASS-THRU COCKTAIL STATION (ITEM #B1) AND UNDERBAR ICE BIN (ITEM #B4) TO THIS POINT. (SEE GENERAL NOTE 4).
- PB2 (2 LOCATIONS) 1/2" 120 DEG. HOT AND COLD WATER @ (+12" A.F.F.) P.C. TO EXTEND TO UNDERBAR HAND SINK (ITEM #2)
- PB2A (2 LOCATIONS) 1-1/2" WASTE @ (+10" A.F.F.) P.C. TO EXTEND TO UNDERBAR HAND SINK (ITEM #2)
- PB7 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM UNDERBAR ICE BIN (ITEM #B7) AND DRAIN BOARD (ITEM #B12) TO THIS POINT. (SEE GENERAL NOTE 4).
- PB9 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM UNDERBAR ICE BIN (ITEM #B9) AND DRAIN BOARD (ITEM #B10) TO THIS POINT. (SEE GENERAL NOTE 4).
- PB13 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 #B13) TO THIS POINT. (SEE GENERAL NOTE 4).
- PB14 1/2" HOT WATER @ (+15" A.F.F.) P.C. TO EXTEND TO GLASS WASHER (ITEM #14). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.
- PB14A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM GLASS WASHER (ITEM #B14) 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.

- GENERAL NOTES THIS SHEET:**
- ALL SEWER AND STORM DRAIN PIPING SHALL BE RUN BELOW SLAB UNLESS NOTED OTHERWISE. HANG FROM SLAB PER DETAIL.
 - VENT PIPING SHALL BE RUN ABOVE CEILING OR TIGHT TO STRUCTURE.
 - PROVIDE TRAP PRIMERS ON ALL FLOOR DRAINS.
 - INSULATE HORIZONTAL RUN OF ALL WASTE PIPING RECEIVING A/C CONDENSATE.
 - INSULATE ROOF DRAINS AND HORIZONTAL STORM DRAIN PIPING RUNS ABOVE GRADE.
 - 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.
 - ALL WATER PIPING SHALL BE 3/4" UNLESS NOTED OTHERWISE.
 - PROVIDE AIR CHAMBERS ON ALL DOMESTIC WATER BRANCH PIPING SERVING FIXTURES.
 - PROVIDE ISOLATION VALVES IN THE HOT AND COLD WATER PIPING TO ALL FIXTURE GROUPS.
 - MINIMUM VENT THRU ROOF SHALL BE 3".
 - ALL FIXTURES SHALL BE INSTALLED LEVEL AND TRUE, CENTER FIXTURES WHERE APPLICABLE. FOR INSTANCE WATER CLOSETS IN NON-ADA STALLS.
 - ALL ADA FIXTURES SHALL BE INSTALLED PER ADA GUIDELINES.
 - FLOOR DRAINS IN TOILET ROOMS SHALL BE COORDINATED AND LOCATED PER ARCHITECTURAL FLOOR PLANS.
 - FLOOR DRAINS USED FOR AIR UNITS SHALL BE LOCATED AS CLOSE TO EDGE OF UNIT AS POSSIBLE. COORDINATE LOCATION WITH SUBMITTED UNIT DIMENSIONAL DATA.
 - PLUMBING SHALL CONFORM TO THE 2015 MICHIGAN PLUMBING CODE.
 - 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.
 - PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. COORDINATE PIPE ROUTING WITH STRUCTURE AND UNDERGROUND SUPPORTS. ADJUST LOCATION AS REQUIRED.
 - REFER TO KITCHEN EQUIPMENT PLAN FOR KITCHEN EQUIPMENT GENERAL NOTES.
 - SEE SHEETS P3.0 - P3.2 FOR PLUMBING DETAILS.

- SPECIFIC NOTES THIS SHEET:**
- CONNECT TO EXISTING SEWER. VERIFY EXACT LOCATION ON SITE.

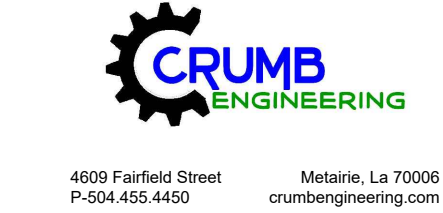


1 ENLARGED FLOOR PLAN - WATER AND GAS PLAN
P1.1 1/4" = 1'-0"

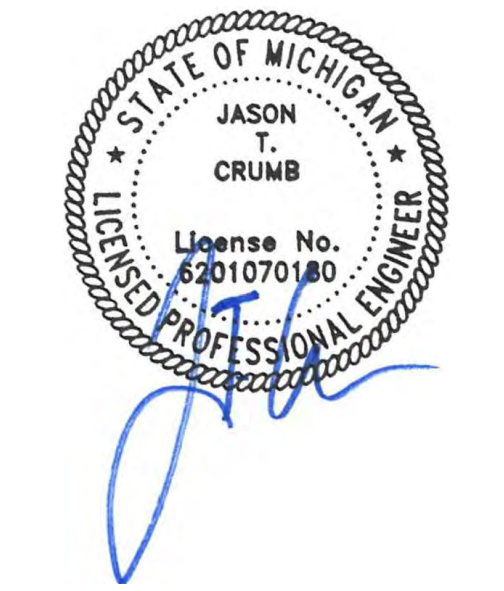
- K1 P.C. TO INSTALL K.E.C. FURNISHED MECHANICAL GAS SHUT-OFF VALVE IN MAIN GAS SUPPLY LINE IN ACCESSIBLE LOCATION PRIOR TO BRANCHING GAS SERVICE TO EQUIPMENT. P.C. TO VERIFY GAS LINE SIZE PER VALVE.
- KITCHEN EQUIPMENT PLUMBING ROUGH-IN NOTES:
- G14 3/4" NPT 100,000 BTU SERVICE @ (24" A.F.F.) P.C. TO EXTEND TO DOUBLE DECK CONVECTION OVEN MANIFOLD (ITEM #14). THRU F.F.E.C. FURNISHED QUICK DISCONNECT.
- G15 3/4" NPT 50,000 BTU SERVICE @ (24" A.F.F.) P.C. TO EXTEND TO RETHERMALIZER (ITEM #15). 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.
- G30 1-1/4" NPT MANIFOLD 525,000 BTU SERVICE @ (24" A.F.F.) P.C. TO EXTEND TO FRYER&BATTERY (ITEM #30).
- G34 3/4" NPT 136,000 BTU SERVICE @ (24" A.F.F.) P.C. TO EXTEND TO CHARBROILER (ITEM #34). THRU F.F.E.C. FURNISHED QUICK DISCONNECT.
- G35 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.
- 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 (4 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 (4 LOCATIONS) 1-1/2" WASTE @ (+15" A.F.F.) P.C. TO EXTEND DRAIN FROM HAND SINK (ITEM #1) TO THIS POINT.
- P6 1/2" COLD WATER @ (+66" A.F.F.) P.C. TO EXTEND TO ICE MACHINE (ITEM #6). THRU F.F.E.C. FURNISHED WATER FILTER.
- P6A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM ICE BIN (ITEM #6) TO THIS POINT. (SEE GENERAL NOTE 4).
- P7 1/2" HOT AND COLD WATER @ (+18" A.F.F.) P.C. TO EXTEND TO FAUCET MOUNTED ON PREP TABLE (ITEM #7).
- P7A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANIFOLD DRAIN LINES FROM 2 COMPARTMENT SINK (ITEM #7) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).
- P11 1/2" HOT AND COLD WATER @ (+36" A.F.F.) P.C. TO EXTEND TO WALL MOUNTED FAUCET FOR MOP SINK (ITEM #11).
- P11A (STUB-UP) 3" WASTE TRAPPED BELOW FLOOR. P.C. TO EXTEND TO DRAIN IN MOP SINK.
- 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).
- P42 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM HOT FOOD WELL (ITEM #42) TO THIS POINT. (SEE GENERAL NOTE 4).
- P56 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM ICE CREAM DIPPING CABINET (ITEM #56) TO THIS POINT. (SEE GENERAL NOTE 4).
- P68 1/2" COLD WATER @ (+48" A.F.F.) P.C. TO EXTEND TO SODA DISPENSER (ITEM #68). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS. VERIFY LOCATION WITH PROVIDER.
- P68A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM SODA DISPENSER (ITEM #68) 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 BEVERAGE TABLE (ITEM #65) TO THIS POINT. (SEE GENERAL NOTE 4).
- P67 1/2" COLD WATER @ (+48" A.F.F.) P.C. TO EXTEND TO COFFEE BREWER (ITEM #67). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS. VERIFY LOCATION WITH PROVIDER.
- P73 1/2" HOT AND COLD WATER @ (+12" A.F.F.) P.C. TO EXTEND TO FAUCET MOUNTED ON PREP TABLE SINK (ITEM #73).
- P73A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANIFOLD (2) DRAIN LINES FROM PREP TABLE SINK (ITEM #73) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).
- P76 1/2" HOT AND COLD WATER @ (+18" A.F.F.) P.C. TO EXTEND TO FAUCET MOUNTED ON SOILED DISHTABLE (ITEM #76).
- P76A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM SOILED DISHTABLE (ITEM #76) TO THIS POINT. (SEE GENERAL NOTE 4).
- P78 1/2" HOT WATER @ (+50" A.F.F.) P.C. TO EXTEND TO DISHWASHER (ITEM #20).
- P78A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM SOILED DISHTABLE (ITEM #76). P.C. TO EXTEND DRAIN FROM DISHMACHINE (ITEM #78) TO THIS POINT. (SEE GENERAL NOTE 4).
- P80 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANIFOLD (3) DRAIN LINES FROM POT AND PAN SINK (ITEM #81) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).
- P81 1/2" HOT AND COLD WATER @ (+12" A.F.F.) P.C. TO EXTEND TO FAUCET MOUNTED ON POT AND PAN SINK (ITEM #81).
- P82 (STUB-UP) 1/2" COLD WATER. P.C. TO EXTEND TO SOAK SINK FAUCET (ITEM #82) MOUNTED ON SOILED DISHTABLE (ITEM #76).
- 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 PASS-THRU COCKTAIL STATION (ITEM #81) AND UNDERBAR ICE BIN (ITEM #84) TO THIS POINT. (SEE GENERAL NOTE 4).
- PB2 (2 LOCATIONS) 1/2" 120 DEG. HOT AND COLD WATER @ (+12" A.F.F.) P.C. TO EXTEND TO UNDERBAR HAND SINK (ITEM #2).
- PB2A (2 LOCATIONS) 1-1/2" WASTE @ (+10" A.F.F.) P.C. TO EXTEND TO UNDERBAR HAND SINK (ITEM #2).
- PB7 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM UNDERBAR ICE BIN (ITEM #87) AND DRAIN BOARD (ITEM #812) TO THIS POINT. (SEE GENERAL NOTE 4).
- PB9 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM UNDERBAR ICE BIN (ITEM #89) AND DRAIN BOARD (ITEM #810) TO THIS POINT. (SEE GENERAL NOTE 4).
- PB13 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 #813) TO THIS POINT. (SEE GENERAL NOTE 4).
- PB14 1/2" HOT WATER @ (+15" A.F.F.) P.C. TO EXTEND TO GLASS WASHER (ITEM #14). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.
- PB14A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM GLASS WASHER (ITEM #814) 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.

- GENERAL NOTES THIS SHEET:
- ALL SEWER AND STORM DRAIN PIPING SHALL BE RUN BELOW SLAB UNLESS NOTED OTHERWISE. HANG FROM SLAB PER DETAIL.
 - VENT PIPING SHALL BE RUN ABOVE CEILING OR TIGHT TO STRUCTURE.
 - PROVIDE TRAP PRIMERS ON ALL FLOOR DRAINS.
 - INSULATE HORIZONTAL RUN OF ALL WASTE PIPING RECEIVING A/C CONDENSATE.
 - INSULATE ROOF DRAINS AND HORIZONTAL STORM DRAIN PIPING RUNS ABOVE GRADE.
 - 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.
 - ALL WATER PIPING SHALL BE 3/4" UNLESS NOTED OTHERWISE.
 - PROVIDE AIR CHAMBERS ON ALL DOMESTIC WATER BRANCH PIPING SERVING FIXTURES.
 - PROVIDE ISOLATION VALVES IN THE HOT AND COLD WATER PIPING TO ALL FIXTURE GROUPS.
 - MINIMUM VENT THRU ROOF SHALL BE 2".
 - ALL FIXTURES SHALL BE INSTALLED LEVEL AND TRUE, CENTER FIXTURES WHERE APPLICABLE, FOR INSTANCE WATER CLOSETS IN NON-ADA STALLS.
 - ALL ADA FIXTURES SHALL BE INSTALLED PER ADA GUIDELINES.
 - FLOOR DRAINS IN TOILET ROOMS SHALL BE COORDINATED AND LOCATED PER ARCHITECTURAL FLOOR PLANS.
 - FLOOR DRAINS USED FOR AIR UNITS SHALL BE LOCATED AS CLOSE TO EDGE OF UNIT AS POSSIBLE. COORDINATE LOCATION WITH SUBMITTED UNIT DIMENSIONAL DATA.
 - PLUMBING SHALL CONFORM TO THE INTERNATIONAL PLUMBING CODE.
 - 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 INLETS). 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.
 - PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. COORDINATE PIPE ROUTING WITH STRUCTURE AND UNDERGROUND SUPPORTS. ADJUST LOCATION AS REQUIRED.
 - REFER TO KITCHEN EQUIPMENT PLAN FOR KITCHEN EQUIPMENT GENERAL NOTES.
 - SEE SHEETS P3.0 - P3.2 FOR PLUMBING DETAILS.

- SPECIFIC NOTES THIS SHEET:
- TRAP PRIMER ABOVE CEILING. RUN 1/2" TRAP PRIMER LINE DOWN WALL UNDERGROUND TO FLOOR DRAINS.
 - RUN 3/4" CW LINE TO EXISTING HOSE BIBBS. VERIFY ON SITE.

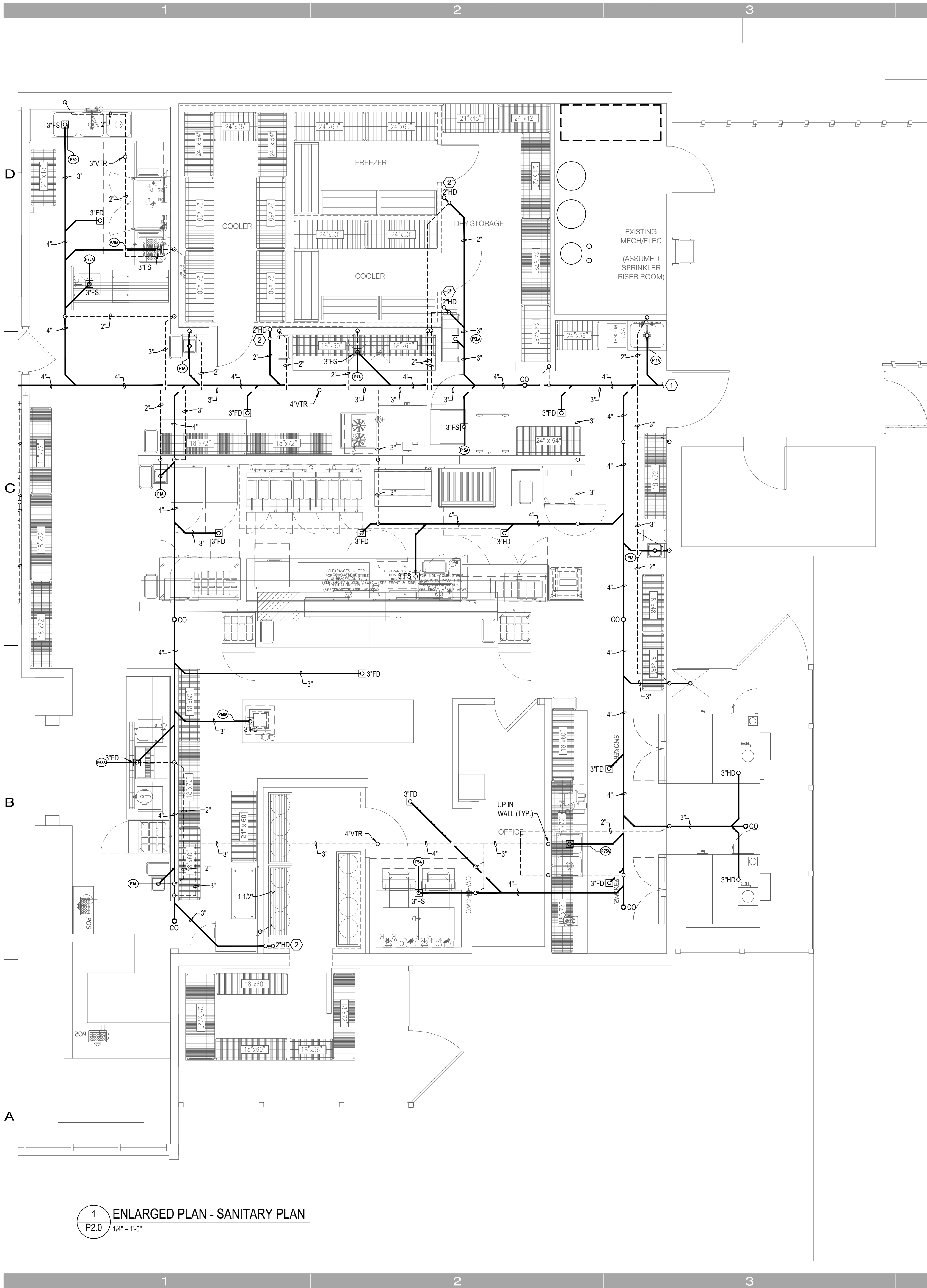


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REVISIONS NO. DATE	PROJECT NO: IA 2119
	SHEET
	P1.1

DATE 11/10/2021

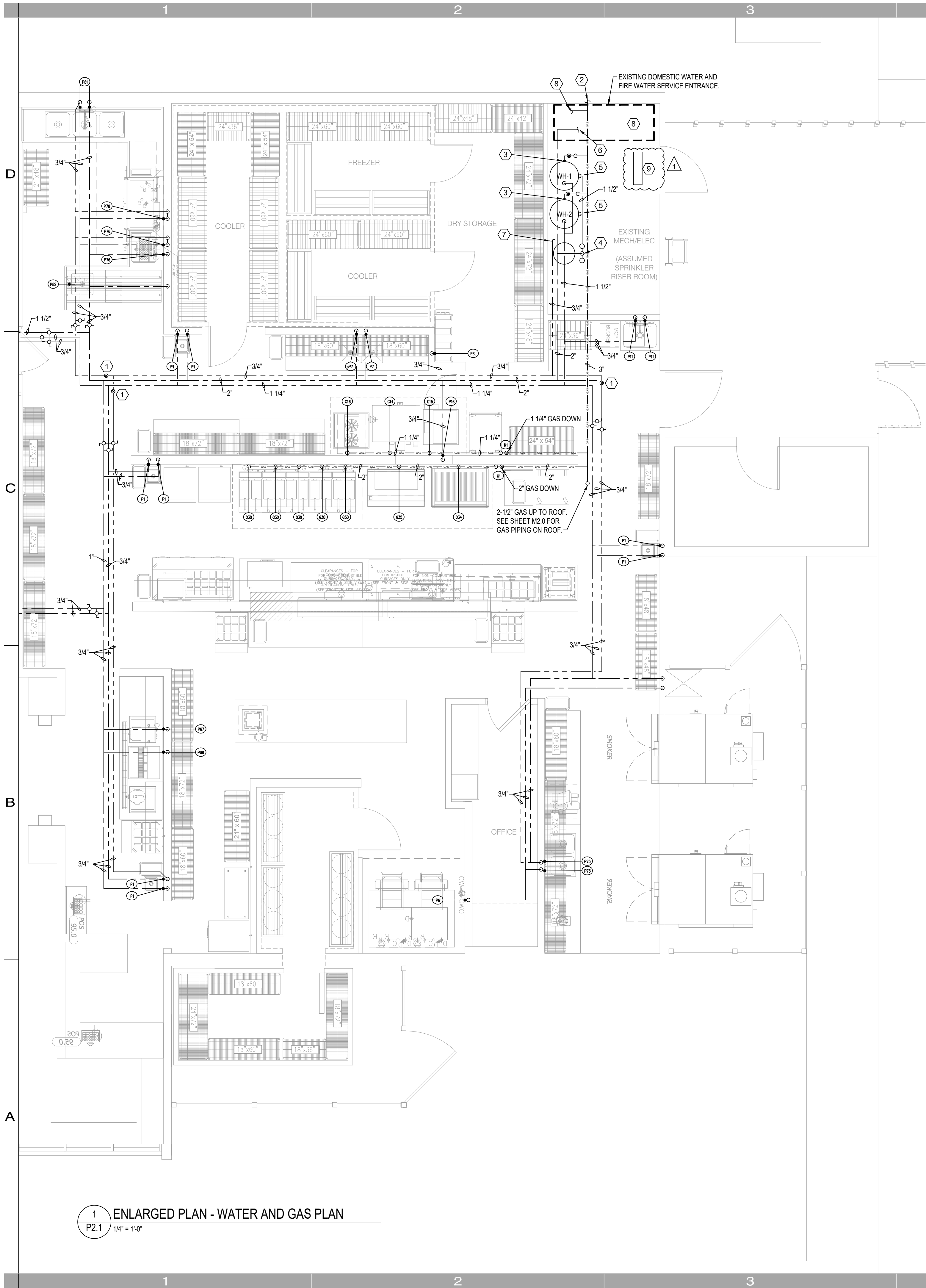


1 ENLARGED PLAN - SANITARY PLAN
P2.0 1/4" = 1'-0"

- 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.
- G15 3/4" NPT 50,000 BTU SERVICE @ (24" A.F.F.) P.C. TO EXTEND TO RETHERMALIZER (ITEM #15). 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.
- G30 1-1/4" NPT MANIFOLD 525,000 BTU SERVICE @ (24" A.F.F.) P.C. TO EXTEND TO FRYER&BATTERY (ITEM #30).
- G34 3/4" NPT 136,000 BTU SERVICE @ (24" A.F.F.) P.C. TO EXTEND TO CHARBROILER (ITEM #34). THRU F.F.E.C. FURNISHED QUICK DISCONNECT.
- G35 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.
- 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 (4 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 (4 LOCATIONS) 1-1/2" WASTE @ (+15" A.F.F.) P.C. TO EXTEND DRAIN FROM HAND SINK (ITEM #1) TO THIS POINT.
- P6 1/2" COLD WATER @ (+66" A.F.F.) P.C. TO EXTEND TO ICE MACHINE (ITEM #6). THRU F.F.E.C. FURNISHED WATER FILTER.
- P6A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM ICE BIN (ITEM #6) TO THIS POINT. (SEE GENERAL NOTE 4).
- P7 1/2" HOT AND COLD WATER @ (+18" A.F.F.) P.C. TO EXTEND TO FAUCET MOUNTED ON PREP TABLE (ITEM #7).
- P7A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANIFOLD DRAIN LINES FROM 2 COMPARTMENT SINK (ITEM #7) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).
- P11 1/2" HOT AND COLD WATER @ (+36" A.F.F.) P.C. TO EXTEND TO WALL MOUNTED FAUCET FOR MOP SINK (ITEM #11)
- P11A (STUB-UP) 3" WASTE TRAPPED BELOW FLOOR. P.C. TO EXTEND TO DRAIN IN MOP SINK.
- 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).
- P42 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM HOT FOOD WELL (ITEM #42) TO THIS POINT. (SEE GENERAL NOTE 4).
- P56 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM ICE CREAM DIPPING CABINET (ITEM #56) TO THIS POINT. (SEE GENERAL NOTE 4).
- P68 1/2" COLD WATER @ (+48" A.F.F.) P.C. TO EXTEND TO SODA DISPENSER (ITEM #68). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS. VERIFY LOCATION WITH PROVIDER.
- P68A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM SODA DISPENSER (ITEM #68) 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 BEVERAGE TABLE (ITEM #65) TO THIS POINT. (SEE GENERAL NOTE 4).
- P67 1/2" COLD WATER @ (+48" A.F.F.) P.C. TO EXTEND TO COFFEE BREWER (ITEM #67). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS. VERIFY LOCATION WITH PROVIDER.
- P73 1/2" HOT AND COLD WATER @ (+12" A.F.F.) P.C. TO EXTEND TO FAUCET MOUNTED ON PREP TABLE SINK (ITEM #73).
- P73A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANIFOLD (2) DRAIN LINES FROM PREP TABLE SINK (ITEM #73) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).
- P76 1/2" HOT AND COLD WATER @ (+18" A.F.F.) P.C. TO EXTEND TO FAUCET MOUNTED ON SOILED DISHTABLE (ITEM #76).
- P76A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM SOILED DISHTABLE (ITEM #76) TO THIS POINT. (SEE GENERAL NOTE 4).
- P78 1/2" HOT WATER @ (+50" A.F.F.) P.C. TO EXTEND TO DISHWASHER (ITEM #20).
- P78A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM SOILED DISHTABLE (ITEM #76). P.C. TO EXTEND DRAIN FROM DISHMACHINE (ITEM #78) TO THIS POINT. (SEE GENERAL NOTE 4).
- P80 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANIFOLD (3) DRAIN LINES FROM POT AND PAN SINK (ITEM #81) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).
- P81 1/2" HOT AND COLD WATER @ (+12" A.F.F.) P.C. TO EXTEND TO FAUCET MOUNTED ON POT AND PAN SINK (ITEM #81).
- P82 (STUB-UP) 1/2" COLD WATER. P.C. TO EXTEND TO SOAK SINK FAUCET (ITEM #82) MOUNTED ON SOILED DISHTABLE (ITEM #76).
- 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 PASS-THRU COCKTAIL STATION (ITEM #B1) AND UNDERBAR ICE BIN (ITEM #B4) TO THIS POINT. (SEE GENERAL NOTE 4).
- PB2 (2 LOCATIONS) 1/2" 120 DEG. HOT AND COLD WATER @ (+12" A.F.F.) P.C. TO EXTEND TO UNDERBAR HAND SINK (ITEM #2)
- PB2A (2 LOCATIONS) 1-1/2" WASTE @ (+10" A.F.F.) P.C. TO EXTEND TO UNDERBAR HAND SINK (ITEM #2)
- PB7 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM UNDERBAR ICE BIN (ITEM #B7) AND DRAIN BOARD (ITEM #B12) TO THIS POINT. (SEE GENERAL NOTE 4).
- PB9 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM UNDERBAR ICE BIN (ITEM #B9) AND DRAIN BOARD (ITEM #B10) TO THIS POINT. (SEE GENERAL NOTE 4).
- PB13 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 #B13) TO THIS POINT. (SEE GENERAL NOTE 4).
- PB14 1/2" HOT WATER @ (+15" A.F.F.) P.C. TO EXTEND TO GLASS WASHER (ITEM #14). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.
- PB14A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM GLASS WASHER (ITEM #B14) 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.

- GENERAL NOTES THIS SHEET:**
- ALL SEWER AND STORM DRAIN PIPING SHALL BE RUN BELOW SLAB UNLESS NOTED OTHERWISE. HANG FROM SLAB PER DETAIL.
 - VENT PIPING SHALL BE RUN ABOVE CEILING OR TIGHT TO STRUCTURE.
 - PROVIDE TRAP PRIMERS ON ALL FLOOR DRAINS.
 - INSULATE HORIZONTAL RUN OF ALL WASTE PIPING RECEIVING A/C CONDENSATE.
 - INSULATE ROOF DRAINS AND HORIZONTAL STORM DRAIN PIPING RUNS ABOVE GRADE.
 - 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.
 - ALL WATER PIPING SHALL BE 3/4" UNLESS NOTED OTHERWISE.
 - PROVIDE AIR CHAMBERS ON ALL DOMESTIC WATER BRANCH PIPING SERVING FIXTURES.
 - PROVIDE ISOLATION VALVES IN THE HOT AND COLD WATER PIPING TO ALL FIXTURE GROUPS
 - MINIMUM VENT THRU ROOF SHALL BE 3".
 - ALL FIXTURES SHALL BE INSTALLED LEVEL AND TRUE, CENTER FIXTURES WHERE APPLICABLE, FOR INSTANCE WATER CLOSETS IN NON-ADA STALLS.
 - ALL ADA FIXTURES SHALL BE INSTALLED PER ADA GUIDELINES.
 - FLOOR DRAINS IN TOILET ROOMS SHALL BE COORDINATED AND LOCATED PER ARCHITECTURAL FLOOR PLANS.
 - FLOOR DRAINS USED FOR AIR UNITS SHALL BE LOCATED AS CLOSE TO EDGE OF UNIT AS POSSIBLE. COORDINATE LOCATION WITH SUBMITTED UNIT DIMENSIONAL DATA.
 - PLUMBING SHALL CONFORM TO THE 2015 MICHIGAN PLUMBING CODE.
 - 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 LAWLOR MODEL 570 WITH 3/4" FITTINGS. 3-COMPARTMENT SINK AND DISHWASHER DO NOT NEED MIXING VALVES.
 - PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. COORDINATE PIPE ROUTING WITH STRUCTURE AND UNDERGROUND SUPPORTS. ADJUST LOCATION AS REQUIRED.
 - REFER TO KITCHEN EQUIPMENT PLAN FOR KITCHEN EQUIPMENT GENERAL NOTES.
 - SEE SHEETS P3.0 - P3.2 FOR PLUMBING DETAILS.

- SPECIFIC NOTES THIS SHEET:**
- CONNECT TO EXISTING GREASE WASTE. VERIFY EXACT LOCATION ON SITE.
 - RUN EXISTING COOLER/ FREEZER CONDENSATE PIPING TO HUB DRAIN. VERIFY EXACT LOCATION ON SITE.



- 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.
- G15 3/4" NPT 50,000 BTU SERVICE @ (24" A.F.F.) P.C. TO EXTEND TO RETHERMALIZER (ITEM #15). 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.
- G30 1-1/4" NPT MANIFOLD 525,000 BTU SERVICE @ (24" A.F.F.) P.C. TO EXTEND TO FRYER&BATTERY (ITEM #30).
- G34 3/4" NPT 136,000 BTU SERVICE @ (24" A.F.F.) P.C. TO EXTEND TO CHARBROILER (ITEM #34). THRU F.F.E.C. FURNISHED QUICK DISCONNECT.
- G35 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.
- 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 (4 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 (4 LOCATIONS) 1-1/2" WASTE @ (+15" A.F.F.) P.C. TO EXTEND DRAIN FROM HAND SINK (ITEM #1) TO THIS POINT.
- P6 1/2" COLD WATER @ (+66" A.F.F.) P.C. TO EXTEND TO ICE MACHINE (ITEM #6). THRU F.F.E.C. FURNISHED WATER FILTER.
- P6A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM ICE BIN (ITEM #6) TO THIS POINT. (SEE GENERAL NOTE 4).
- P7 1/2" HOT AND COLD WATER @ (+18" A.F.F.) P.C. TO EXTEND TO FAUCET MOUNTED ON PREP TABLE (ITEM #7).
- P7A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANIFOLD DRAIN LINES FROM 2 COMPARTMENT SINK (ITEM #7) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).
- P11 1/2" HOT AND COLD WATER @ (+36" A.F.F.) P.C. TO EXTEND TO WALL MOUNTED FAUCET FOR MOP SINK (ITEM #11).
- P11A (STUB-UP) 3" WASTE TRAPPED BELOW FLOOR. P.C. TO EXTEND TO DRAIN IN MOP SINK.
- 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).
- P42 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM HOT FOOD WELL (ITEM #42) TO THIS POINT. (SEE GENERAL NOTE 4).
- P56 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM ICE CREAM DIPPING CABINET (ITEM #56) TO THIS POINT. (SEE GENERAL NOTE 4).
- P68 1/2" COLD WATER @ (+48" A.F.F.) P.C. TO EXTEND TO SODA DISPENSER (ITEM #68). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS. VERIFY LOCATION WITH PROVIDER.
- P68A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM SODA DISPENSER (ITEM #68) 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 BEVERAGE TABLE (ITEM #65) TO THIS POINT. (SEE GENERAL NOTE 4).
- P67 1/2" COLD WATER @ (+48" A.F.F.) P.C. TO EXTEND TO COFFEE BREWER (ITEM #67). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES THIS ITEM IS TO BE PROVIDED AND INSTALL BY OTHERS. VERIFY LOCATION WITH PROVIDER.
- P73 1/2" HOT AND COLD WATER @ (+12" A.F.F.) P.C. TO EXTEND TO FAUCET MOUNTED ON PREP TABLE SINK (ITEM #73).
- P73A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANIFOLD (2) DRAIN LINES FROM PREP TABLE SINK (ITEM #73) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).
- P76 1/2" HOT AND COLD WATER @ (+18" A.F.F.) P.C. TO EXTEND TO FAUCET MOUNTED ON SOILED DISHTABLE (ITEM #76).
- P76A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM SOILED DISHTABLE (ITEM #76) TO THIS POINT. (SEE GENERAL NOTE 4).
- P78 1/2" HOT WATER @ (+50" A.F.F.) P.C. TO EXTEND TO DISHWASHER (ITEM #20).
- P78A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM SOILED DISHTABLE (ITEM #76). P.C. TO EXTEND DRAIN FROM DISHMACHINE (ITEM #78) TO THIS POINT. (SEE GENERAL NOTE 4).
- P80 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO MANIFOLD (3) DRAIN LINES FROM POT AND PAN SINK (ITEM #81) AND EXTEND TO THIS POINT. (SEE GENERAL NOTE 4).
- P81 1/2" HOT AND COLD WATER @ (+12" A.F.F.) P.C. TO EXTEND TO FAUCET MOUNTED ON POT AND PAN SINK (ITEM #81).
- P82 (STUB-UP) 1/2" COLD WATER. P.C. TO EXTEND TO SOAK SINK FAUCET (ITEM #82) MOUNTED ON SOILED DISHTABLE (ITEM #76).
- 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 PASS-THRU COCKTAIL STATION (ITEM #81) AND UNDERBAR ICE BIN (ITEM #84) TO THIS POINT. (SEE GENERAL NOTE 4).
- PB2 (2 LOCATIONS) 1/2" 120 DEG. HOT AND COLD WATER @ (+12" A.F.F.) P.C. TO EXTEND TO UNDERBAR HAND SINK (ITEM #2).
- PB2A (2 LOCATIONS) 1-1/2" WASTE @ (+10" A.F.F.) P.C. TO EXTEND TO UNDERBAR HAND SINK (ITEM #2).
- PB7 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM UNDERBAR ICE BIN (ITEM #87) AND DRAIN BOARD (ITEM #812) TO THIS POINT. (SEE GENERAL NOTE 4).
- PB9 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM UNDERBAR ICE BIN (ITEM #89) AND DRAIN BOARD (ITEM #810) TO THIS POINT. (SEE GENERAL NOTE 4).
- PB13 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 #B13) TO THIS POINT. (SEE GENERAL NOTE 4).
- PB14 1/2" HOT WATER @ (+15" A.F.F.) P.C. TO EXTEND TO GLASS WASHER (ITEM #14). ROUGH-IN SHOWN ARE FOR COORDINATION PURPOSES ONLY. THIS ITEM IS TO BE PROVIDED AND INSTALLED BY OTHERS. VERIFY LOCATION WITH PROVIDER.
- PB14A 12" X 12" X 8" DEEP FLOOR SINK WITH HALF GRATE. P.C. TO EXTEND DRAIN LINE FROM GLASS WASHER (ITEM #B14) 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.

- GENERAL NOTES THIS SHEET:**
- ALL SEWER AND STORM DRAIN PIPING SHALL BE RUN BELOW SLAB UNLESS NOTED OTHERWISE. HANG FROM SLAB PER DETAIL.
 - VENT PIPING SHALL BE RUN ABOVE CEILING OR TIGHT TO STRUCTURE.
 - PROVIDE TRAP PRIMERS ON ALL FLOOR DRAINS.
 - INSULATE HORIZONTAL RUN OF ALL WASTE PIPING RECEIVING A/C CONDENSATE.
 - INSULATE ROOF DRAINS AND HORIZONTAL STORM DRAIN PIPING RUNS ABOVE GRADE.
 - 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.
 - ALL WATER PIPING SHALL BE 3/4" UNLESS NOTED OTHERWISE.
 - PROVIDE AIR CHAMBERS ON ALL DOMESTIC WATER BRANCH PIPING SERVING FIXTURES.
 - PROVIDE ISOLATION VALVES IN THE HOT AND COLD WATER PIPING TO ALL FIXTURE GROUPS.
 - MINIMUM VENT THRU ROOF SHALL BE 2".
 - ALL FIXTURES SHALL BE INSTALLED LEVEL AND TRUE, CENTER FIXTURES WHERE APPLICABLE, FOR INSTANCE WATER CLOSETS IN NON-ADA STALLS.
 - ALL ADA FIXTURES SHALL BE INSTALLED PER ADA GUIDELINES.
 - FLOOR DRAINS IN TOILET ROOMS SHALL BE COORDINATED AND LOCATED PER ARCHITECTURAL FLOOR PLANS.
 - FLOOR DRAINS USED FOR AIR UNITS SHALL BE LOCATED AS CLOSE TO EDGE OF UNIT AS POSSIBLE. COORDINATE LOCATION WITH SUBMITTED UNIT DIMENSIONAL DATA.
 - PLUMBING SHALL CONFORM TO THE INTERNATIONAL PLUMBING CODE.
 - 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 LAWLOR MODEL 570 WITH 3/4" FITTINGS. 3-COMPARTMENT SINK AND DISHWASHER DO NOT NEED MIXING VALVES.
 - PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. COORDINATE PIPE ROUTING WITH STRUCTURE AND UNDERGROUND SUPPORTS. ADJUST LOCATION AS REQUIRED.
 - REFER TO KITCHEN EQUIPMENT PLAN FOR KITCHEN EQUIPMENT GENERAL NOTES.
 - SEE SHEETS P3.0 - P3.2 FOR PLUMBING DETAILS.

- SPECIFIC NOTES THIS SHEET:**
- HOT WATER CIRCULATING BALANCE VALVE. SET AT 0.5 GPM.
 - CONNECT TO EXISTING GAS SERVICE. VERIFY EXACT LOCATION ON SITE.
 - 1" GAS TO WATER HEATER.
 - WATER SOFTENING SYSTEM BY KEC. RUN 1 1/2" CW TO SOFTENER.
 - SEE (P3.1) FOR WATER HEATER DETAIL.
 - CONNECT NEW WATER TO EXISTING 2" CW.
 - TO RECIRCULATING PUMP.
 - RUN 3/4" GAS TO EXISTING GAS UNIT HEATER.
 - REMOVE EXISTING BACKFLOW PREVENTER AND PROVIDE NEW REDUCED PRESSURE BACKFLOW PREVENTER FOR EXISTING COLD WATER SERVICE. EXISTING FUNNEL AND DRAIN TO REMAIN. VERIFY EXACT CONDITIONS ON SITE. MODIFY COLD WATER PIPING AS REQUIRED. CENTER BACKFLOW PREVENTER OVER FUNNEL DRAIN. NEW BACKFLOW PREVENTER SHALL BE WATTS MODEL 009-QT-S OR EQUAL. THE BACKFLOW PREVENTER SHALL BE ASSE 1013 AND AWWA C511-92 LISTED, MEET THE REQUIREMENTS OF MPC 608; AND SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS, AND TESTED PER MPC 608.

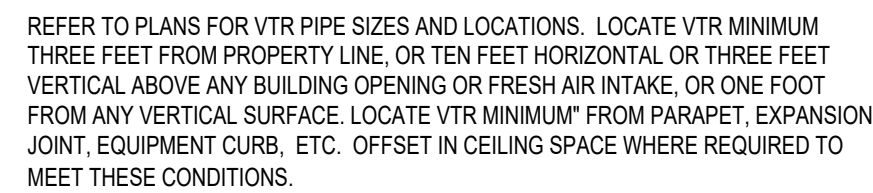


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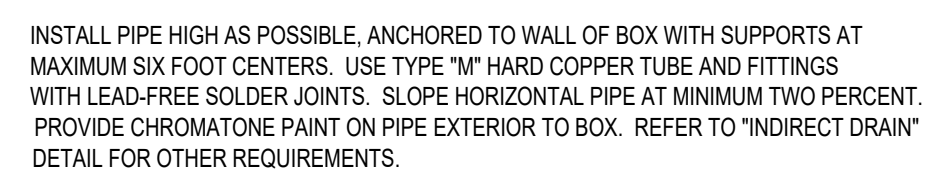
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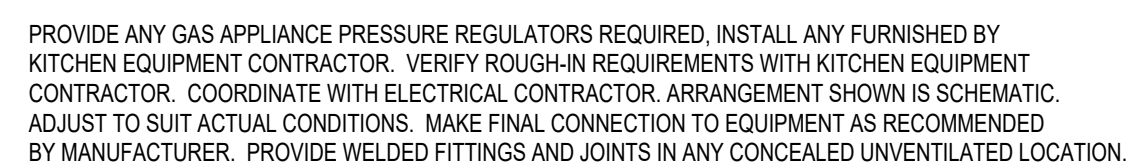


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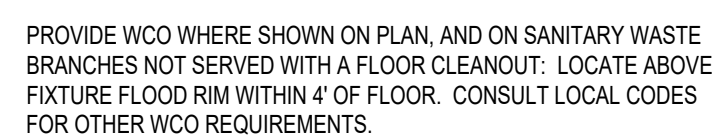




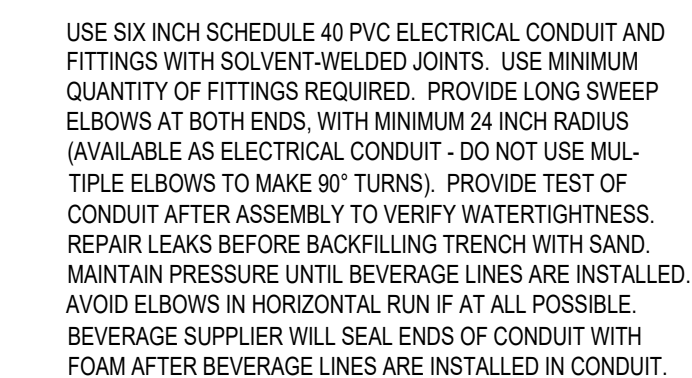
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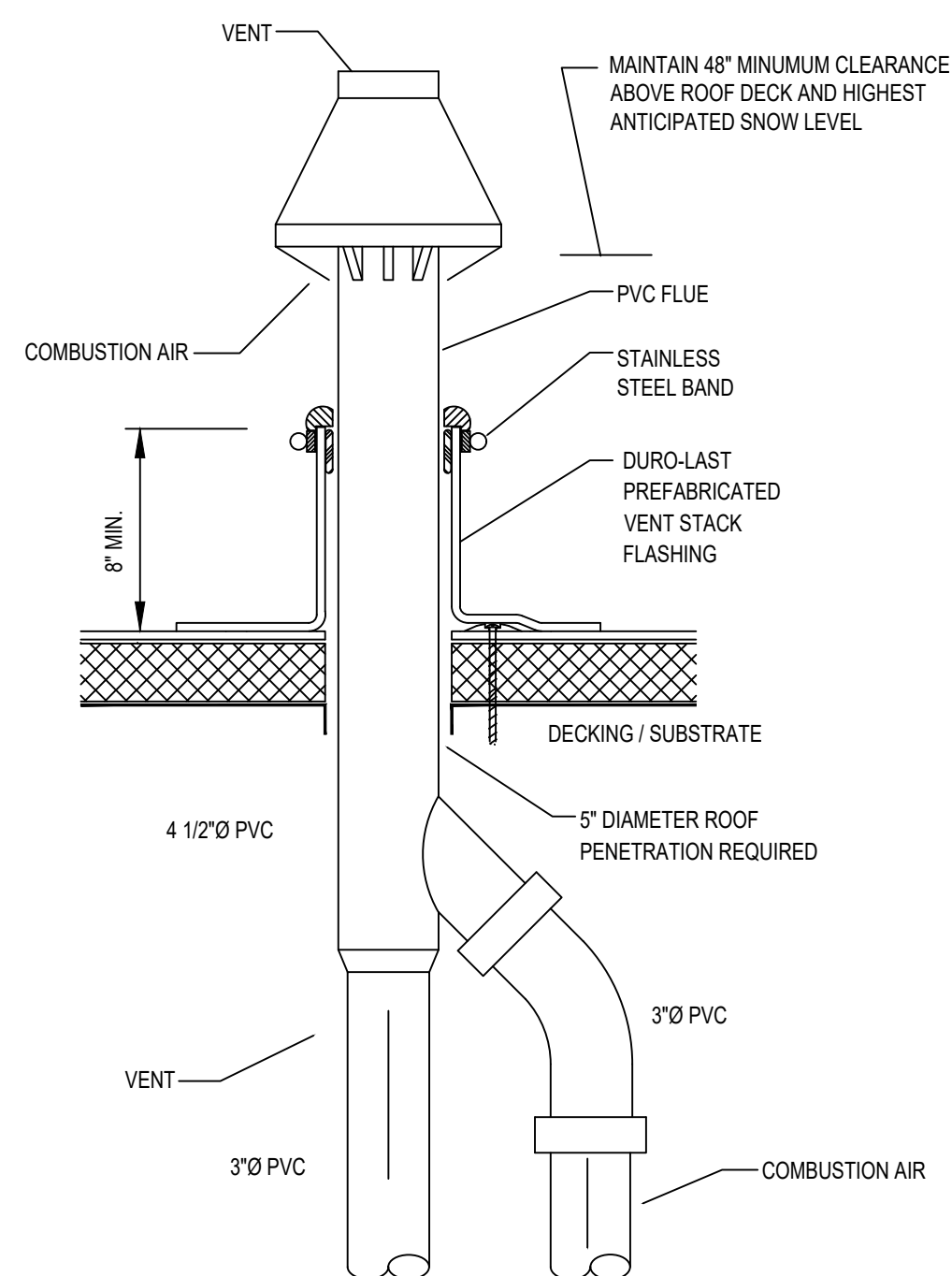


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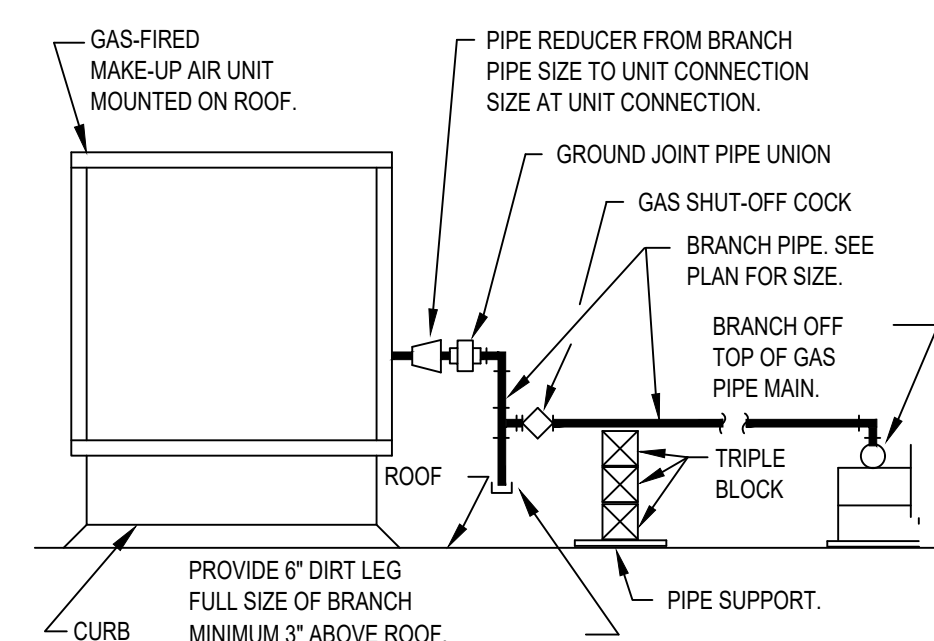


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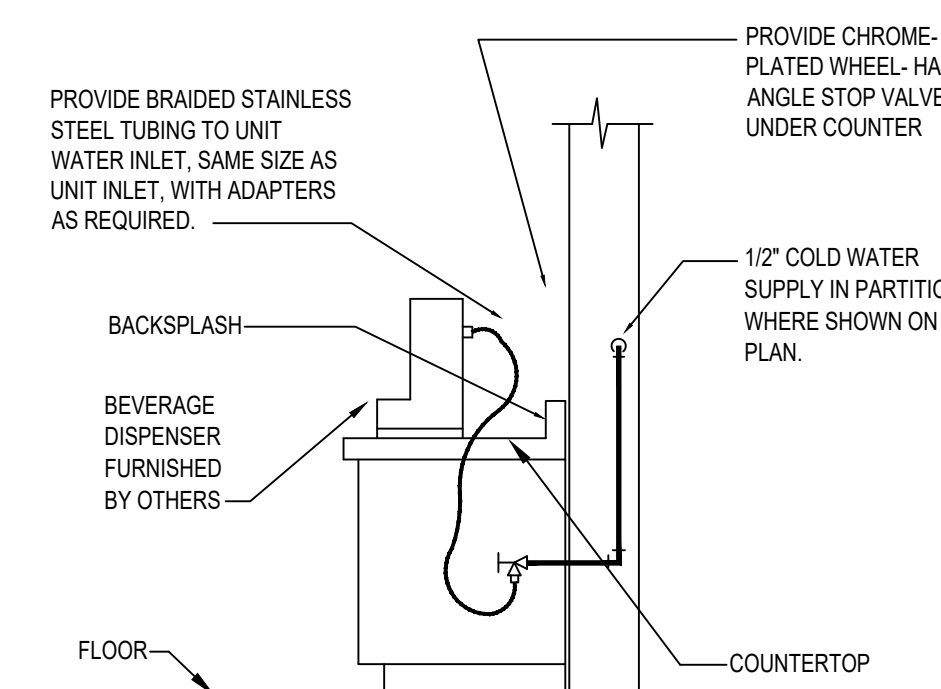




2 P3.2 WATER HEATER CONCENTRIC FLUE VENT DETAIL N.T.S.



7	GAS CONNECTION TO MAKE-UP AIR UNIT
P3.2	N.T.S.



10	BEVERAGE DISPENSER WATER
P2.2	WATER

FLASHING AND COUNTERFLASHING OF PENETRATION IS BY ROOFING CONTRACTOR. PLUMBING CONTRACTOR SHALL COORDINATE REQUIREMENTS.

GROUND JOINT PIPE UNION

ELBOWS TO COMPENSATE FOR PIPE EXPANSION.

ROOF SUPPORT. REFER TO DETAIL.

ROOF INSULATION

ROOF DECK

SLEEVE ROOF IF REQUIRED.

ANCHOR PIPE TO ROOF DECK OR JOISTS.

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.

The diagram illustrates the installation of a water heater. Key components and their connections are labeled as follows:

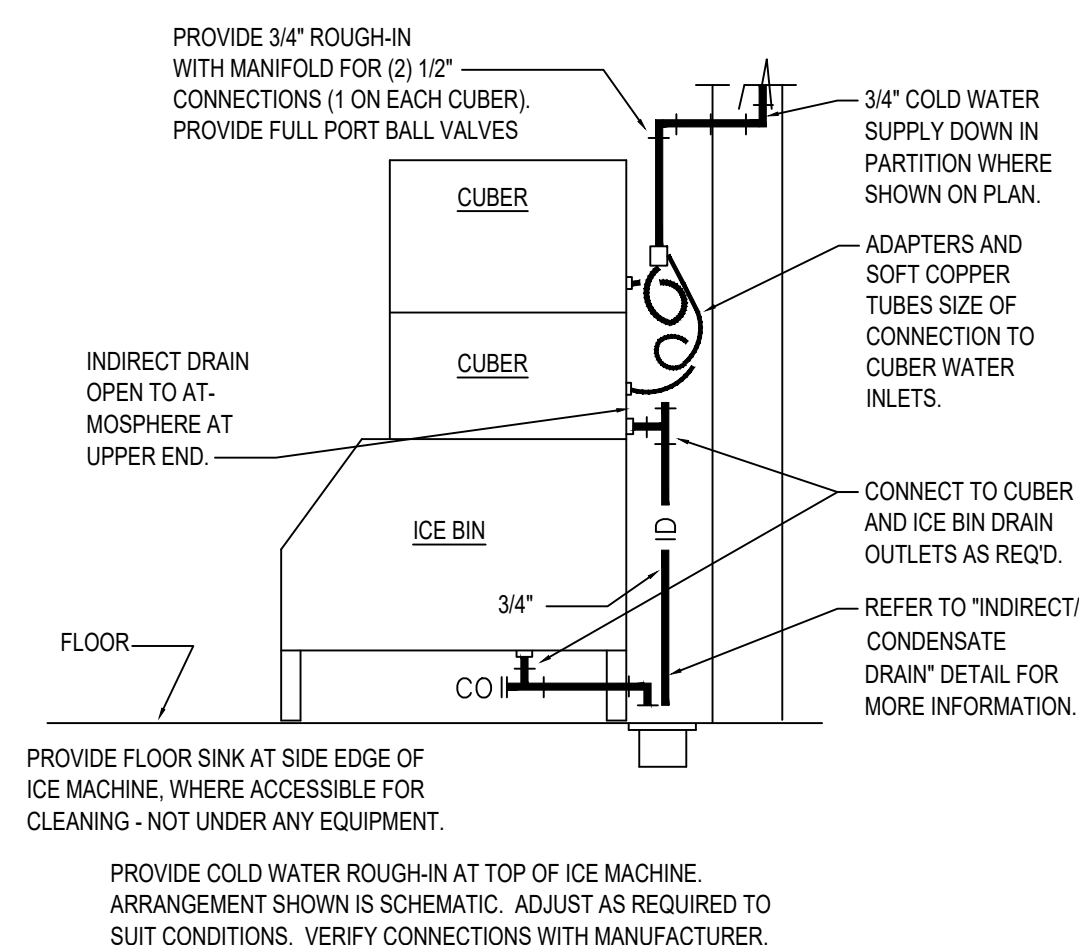
- COLD WATER SUPPLY TO WATER HEATER:** The main water supply line entering the unit.
- PIPE UNION: DIELECTRIC IF DISSIMILAR METALS:** A union connecting the cold water supply to the water heater.
- WELDED STEEL EXPANSION TANK WITH POLYPROPYLENE LINING:** An expansion tank connected to the cold water supply line.
- BUTYL DIAPHRAGM:** The internal seal of the expansion tank.
- AIR CHARGING VALVE: FILL TANK WITH AIR PRESSURE TO MATCH WATER PRESSURE. THEN OPEN VALVE.** A valve on the expansion tank for air charging.
- PIPE HANGER:** A support for the water supply line.
- NEXT TO PIPE TEE:** The location of the pipe hanger.
- SHUT-OFF VALVE:** A valve on the water supply line.
- WATTS NO. 530 1/2" CALIBRATED PRESSURE RELIEF VALVE SET AT 100 PSI:** A pressure relief valve on the water heater.
- HARD COPPER RELIEF VALVE DISCHARGE LINE TO END OVER FLOOR DRAIN OR JAMTOWN'S SINK AIR DOWNWARD, WITH 2" AIR GAP:** A discharge line for the pressure relief valve.

UNIT SHALL BE FDA APPROVED FOR DOMESTIC WATER USE.
 PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT
 FIELD CONDITIONS. MAKE PIPE SIZE AS TANK INSTRUCTIONS.
 FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION
 PROCEDURE. VERIFY PROPER OPERATION WHEN INSTALLED.

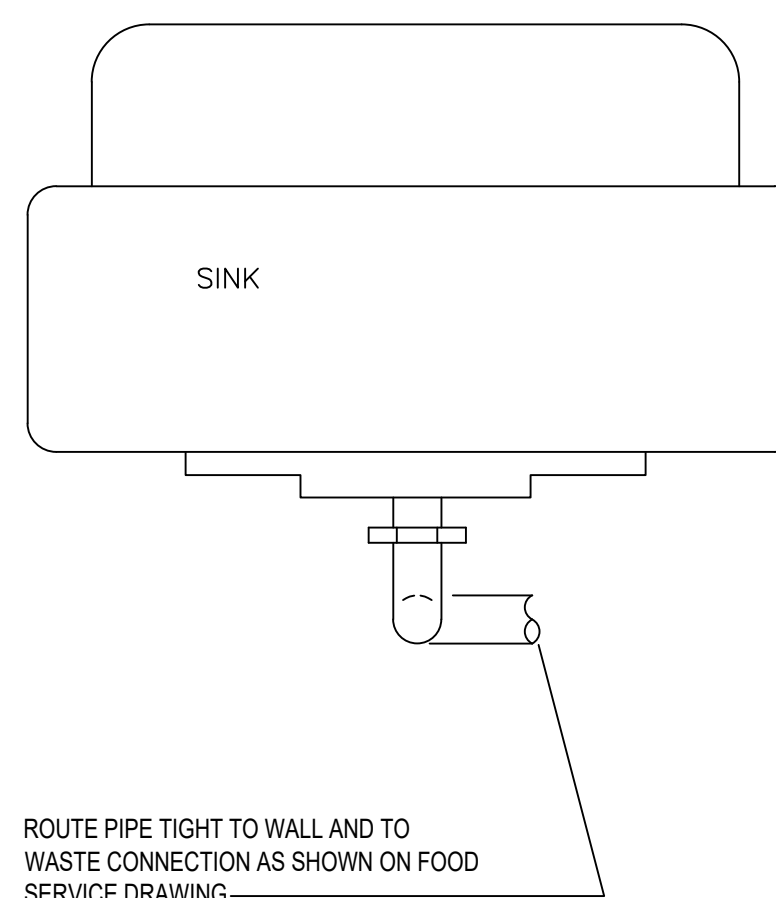
HANG PIPE LARGER THAN 4" FROM TOP OF JOISTS ONLY AT PANEL POINT
 SIDE BEAM CONNECTOR ATTACHED TO TOP OF TRUSS
 ADJUSTABLE BAND HANGER FOR PIPE 3-1/2" AND SMALLER AND CAST IRON PIPE 2" AND SMALLER
 ALL-THREAD ROD
 PROVIDE COPPER COATED HANGERS WHERE HANGERS CONTACT BARE COPPER PIPE
 PROVIDE GALVANIZED STEEL SHIELD FOR ALL INSULATED PIPE. VERIFY INSULATION THICKNESS WHEN SIZING HANGERS AND SHIELDS.
 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 PIPES 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.

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'

8
P3.2



11 ICE MACHINE CONNECTIONS
P3.2 NIS



12 KITCHEN SINK WASTE AND SUPPLY DETAIL