

GENERAL NOTES

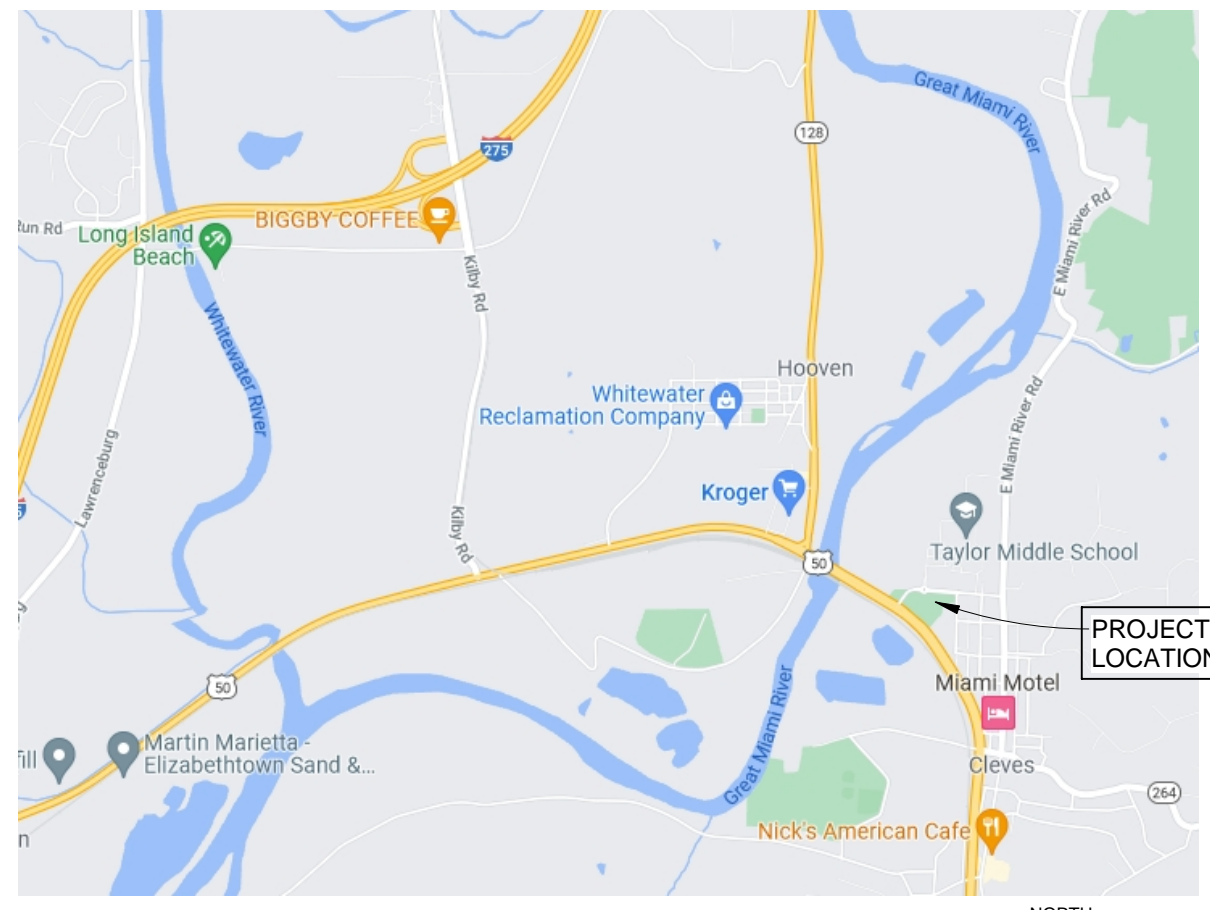
- THE GENERAL CONTRACTOR SHALL VERIFY ALL PERMITS HAVE BEEN APPROVED BY APPROPRIATE AGENCIES PRIOR TO START OF CONSTRUCTION. NO CONSTRUCTION OR FABRICATION OF ANY ITEMS SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED ALL PLANS AND ANY DOCUMENTATION FROM ALL OF THE PERMITTING AND REGULATORY AUTHORITIES. FAILURE OF THE CONTRACTOR TO FOLLOW THIS PROCEDURE SHALL CAUSE THE CONTRACTOR TO ASSUME FULL RESPONSIBILITY FOR ANY SUBSEQUENT MODIFICATION OF THE WORK MANDATED BY AN REGULATORY AUTHORITY.
- NO CHANGES OR MODIFICATIONS TO THE WORK SHALL BE MADE WITHOUT APPROVAL OF OWNER / ARCHITECT. FAILURE TO OBTAIN APPROVAL SHALL CAUSE THE CONTRACTOR TO ASSUME FULL RESPONSIBILITY FOR ANY SUBSEQUENT MODIFICATIONS OF THE WORK REQUIRED BY THE OWNER OR ANY REGULATORY AUTHORITY.
- THE GENERAL CONTRACTOR SHALL CONTACT CLIENT, OR THE ARCHITECT OF RECORD, REGARDING ALL QUESTIONS OR DISCREPANCIES. COMMUNICATION WITH THE ARCHITECT'S CONSULTANTS, OR REGULATORY AGENCIES SHALL NOT BE CONSIDERED VALID AND ANY CHANGES IN WORK, ADDITIONAL COSTS, APPROVALS, OR NON APPROVALS DUE TO SUCH COMMUNICATION SHALL BE THE CONTRACTOR'S RESPONSIBILITY. SHOULD ADDITIONAL ENGINEERING OR INVESTIGATIVE WORK BE REQUIRED DUE TO SITE OR ENVIRONMENTAL CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY. ENGINEERING SERVICES REQUIRED FOR CHANGES OR MODIFICATIONS IN THESE DOCUMENTS SHALL BE SECURED BY OWNER
- IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AS HOLDER OF PERMITS TO NOTIFY THE BUILDING OFFICIAL WHEN WORK IS READY FOR INSPECTION. REQUESTS SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF GOVERNING JURISDICTION. INSPECTORS SHALL HAVE COMPLETE ACCESS TO ALL WORK. RECORDS OF INSPECTIONS SHALL BE MAINTAINED ON THE JOB SITE IN ACCORDANCE WITH REQUIREMENTS AND FORMAT OF GOVERNING JURISDICTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES REQUIRED BY INSPECTIONS, EXCEPT FOR INSPECTIONS MADE BY OWNER OR ITS AGENTS.
- GENERAL CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS TO ALL SUBCONTRACTORS. ALL CROSS-REFERENCING SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION BETWEEN SUB-CONTRACTORS, SUPPLIERS, AND VENDORS BASED ON THE ENTIRE SET OF DOCUMENTS. NO ADDITIONAL COMPENSATION WILL BE DUE TO A CONTRACTOR FOR ISSUES RESULTING FROM THE USE OF AN INCOMPLETE SET OF CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IN WRITING OF INCONSISTENCIES OR DISCREPANCIES BETWEEN CONTRACT DOCUMENTS, DRAWINGS, SPECIFICATIONS, ETC..
- ERRORS, DISCREPANCIES OR OMISSIONS APPEARING ON THESE DRAWINGS, SPECIFICATIONS OR OTHER CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IN WRITING.
- THESE CONSTRUCTION DOCUMENTS ARE NOT TO BE SCALED. SHOULD IT BE DETERMINED A DIMENSION IS NOT SPECIFICALLY PROVIDED, CONTACT THE ARCHITECT.
- THESE DRAWINGS ARE NOT TO BE ALTERED IN ANY WAY WITHOUT WRITTEN AUTHORIZATION FROM THE ARCHITECT.
- IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO FULLY EXAMINE AND BECOME FAMILIAR WITH THE SITE BEFORE COMMENCING THE WORK. GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AS WELL AS VERIFY THE CONDITIONS AND NATURE OF THE CONSTRUCTION, MATERIALS, AND AVAILABLE UTILITIES AND STRUCTURAL ELEMENTS AND TO NOTIFY THE ARCHITECT IN WRITING OF ANY AND ALL DISCREPANCIES BETWEEN THE SAID EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS. IT SHALL BE THE JOINT RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS AND SUPPLIERS OF MATERIALS TO SECURE ALL NECESSARY ADAPTATIONS TO SAME AS REQUIRED FOR THEIR RESPECTIVE WORK PRIOR TO ORDERING, FABRICATION, OR INSTALLATION OF ANY MATERIALS, EQUIPMENT, OR COMPONENTS WHICH ARE TO BE INTEGRATED INTO THE WORK OF THIS PROJECT.
- THE JOB SITE IS TO BE KEPT CLEAN DURING CONSTRUCTION. CONTRACTOR SHALL PERIODICALLY AND PROMPTLY REMOVE ALL DEBRIS FROM SITE AT THEIR EXPENSE IN A LEGAL MANNER, INCLUSIVE OF ALL BOXES, CRATES, OR TRASH OF INSTALLED ITEMS, INCLUDING DISPLAY FIXTURES AND HARDWARE SUPPLIED BY THE GC OR OTHERS.
- THE GENERAL CONTRACTOR SHALL OBTAIN ANY APPROVALS (IF NECESSARY) FOR ROOF PENETRATIONS IN WRITING BY THE LANDLORD. IN THE EVENT THE LANDLORD REQUIRES THE PENETRATIONS TO BE MADE BY THE LANDLORD'S CONTRACTOR, THE GENERAL CONTRACTOR SHALL BEAR SUCH EXPENSE UNLESS OTHERWISE AGREED TO IN WRITING.
- THE GENERAL CONTRACTOR SHALL PROVIDE PEDESTRIAN PROTECTION BARRICADES AND/OR CANOPIES AS REQUIRED BY LOCAL AUTHORITIES OR AS NECESSARY FOR PEDESTRIAN SAFETY.
- NO ASBESTOS OR ASBESTOS CONTAINING MATERIALS (ACM) SHALL BE USED IN THE CONSTRUCTION OF THIS PROJECT. CONTRACTOR SHALL NOTIFY ARCHITECT OF MATERIALS SUSPECTED TO BE A.C.M.
- CONTRACTOR SHALL PROVIDE ALL FLOOR LEVELING, PATCHING, AND REMEDIAL REPAIRS AS REQUIRED BY THE SCOPE OF WORK. REPAIRS INCLUDE, BUT ARE NOT LIMITED TO, WORK REQUIRED TO PROVIDE A SMOOTH AND EVEN TRANSITION BETWEEN NEW AND EXISTING SPACES AND TO PREPARE EXISTING SURFACES FOR NEW FINISHES.
- GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL ANY AND ALL ACCESS PANELS AS REQUIRED.
- ALL FIRE EXITS ARE TO REMAIN CLEAR AND OPEN DURING ALL PHASES OF CONSTRUCTION IF APPLICABLE.
- THE GENERAL CONTRACTOR SHALL PROTECT EXISTING CONSTRUCTION AND RESTORE ALL FINISH SURFACES TO THEIR ORIGINAL CONDITION WHERE DAMAGED.
- CONTRACTOR TO PROVIDE AND / OR MAINTAIN FIRE RATED ASSEMBLIES WHERE SHOWN, OR AS REQUIRED.
- WHERE NEW CONSTRUCTION IS TO BE SUSPENDED FROM THE EXISTING STRUCTURE, THE GENERAL CONTRACTOR SHALL VERIFY THAT THE EXISTING STRUCTURE HAS THE CAPACITY TO SUPPORT SUCH NEW ASSEMBLIES.
- THE ABBREVIATION N.I.C. INDICATES WORK AND / OR MATERIALS NOT IN THE CONTRACT OF THE GENERAL CONTRACTOR. THIS SHALL NOT RELIEVE THE G.C. OF THE RESPONSIBILITY OF COORDINATION.

PROJECT NOTES

- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED TRADE PERMITS AND INSPECTIONS. OWNER WILL PROVIDE BUILDING PERMIT.
- BASE BID SHALL INCLUDE GENERAL LIABILITY INSURANCE.
- SUBMIT WITH BIDS A DETAILED CONSTRUCTION SCHEDULE AND DIVISION BREAKDOWN.
- PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES, MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS, AND GUIDELINES OF TRADE ORGANIZATIONS.
- PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS, AS REQUIRED TO ENSURE SAFETY ON THE PROPERTY. TAPS, HOLES AND OPENINGS, VACUUM AND/OR DAMP MOP WORK AREAS ON AN ONGOING BASIS DURING DUSTY OPERATIONS.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY ELECTRICAL SERVICE FOR THE CONTRACTOR'S USE. AT CONTRACTOR'S EXPENSE DURING CONSTRUCTION, THE CONTRACTOR TO PROVIDE TEMPORARY TOILET FACILITIES FOR THIS PROJECT. TEMPORARY SERVICE PRIOR TO SERVICE INSTALLATION IS AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER DESIGN/BUILD TRADES AS REQUIREMENTS.
- COMMON AREAS DESIGNATED AS ACCESSIBLE FOR USE BY PERSONS WITH DISABILITIES SHALL BE CONSTRUCTED TO CONFORM TO THE MOST RECENT ACCESSIBILITY CODES AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION. TYPICALLY ACCEPTED CONSTRUCTION TOLERANCES ARE NOT ALLOWED FOR REQUIRED ELEMENTS WITHIN THESE AREAS. ANY INFORMATION RELATIVE TO THESE AREAS THAT IS UNCLEAR SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY. CONTRACTOR SHALL POST ADEQUATE NOTICE WITHIN THESE AREAS TO INFORM SUB-CONTRACTORS OF UNIQUE INSTALLATION REQUIREMENTS.
- ALL DESIGNATIONS TO OWNER ALSO APPLY TO DEVELOPER AND/OR FRANCHISOR.

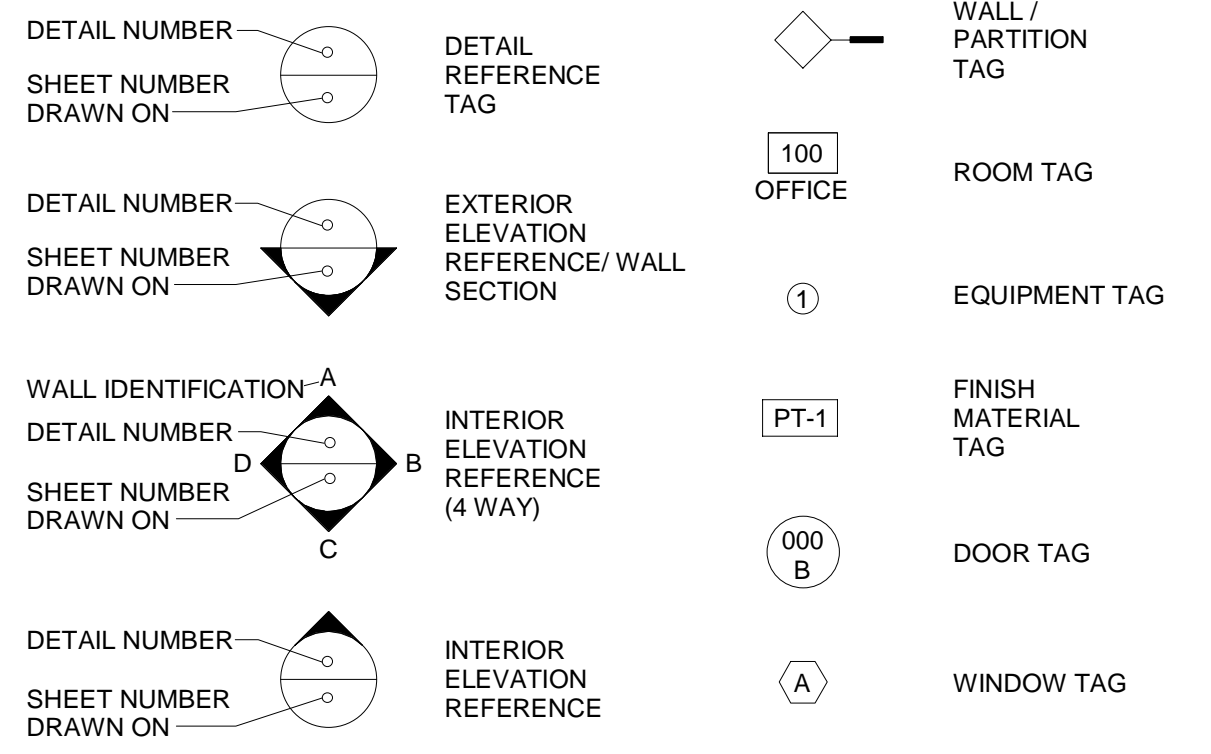
ABBREVIATIONS

ABV	-ABOVE	FIN	-FINISH	OPNG	-OPENING
AC	-AIR CONDITION(ING)	FIXT	-FIXTURE	OPP	-OPPOSITE
ACOUS	-ACOUSTICAL	FLR	-FLOOR	OH	-OPPOSITE HAND
ACT	-ACOUSTIC CEILING	FLUOR	-FLUORESCENT	PAF	-POWDER ACTUATED FASTENER
ADJ	-ADJACENT	FR	-FRAME / FIRE RETARDANT	PL	-PLATE
AFC	-ABOVE FINISH CEILING	FS	-FEET	PLAM	-PLASTIC LAMINATE
		FURR	-FURRING	PLYWD	-PLYWOOD
AFF	-ABOVE FINISHED FLOOR	GA	-GAUGE	PNL	-PANEL
		GALV	-GALVANIZED	PNT	-PAINT
ALT	-ALTERNATE	GC	-GENERAL CONTRACTOR	PTD	-PAINTED
ALUM	-ALUMINUM	GL	-GLASS	PTN	-PARTITION
APPROX	-APPROXIMATE	GR	-GRADE	PVC	-POLYVINYL CHLORIDE
ARCH	-ARCHITECTURAL	GSF	-GROSS SQUARE FEET	R	-RISER
ARCH	-ARCHITECTURAL	GSF	-GROSS SQUARE FEET	RA	-RETURN AIR
BD	-BOARD	GWB	-GYPSUM WALL BOARD	RAD	-RADIIUS
BLK	-BLOCK	H	-HIGH	REFR	-REFRIGERATOR
BLKG	-BLOCKING	HC	-HOLLOW CORE/ HANDICAPPED	REIN	-REINFORCE(D)
BM	-BEAM	HDWD	-HARDWARE	REQ'D	-REQUIRED
BOT	-BOTTOM	HDWR	-HARDWARE	RM	-ROOM
BRG	-BEARING	HM	-HOLLOW METAL	RO	-ROUGH OPENING
CFS	-COLD FORMED STEEL	HORIZ	-HORIZONTAL	SC	-SOLID CORE
CJ	-CONTROL JOINT	HR	-HOUR	SCHED	-SCHEDULE
CLR	-CLEAR	HT	-HEIGHT	SEC	-SECTION
CLG	-CEILING	HVAC	-HEATING, VENTILATION & AIR CONDITIONING	SHIT	-SHEET
CLO	-CLOSET	HW	-HOT WATER	SIM	-SIMILAR
CMU	-CONCRETE MASONRY UNIT	ID	-INSIDE DIAMETER	SQ	-SQUARE
		INSUL	-INSULATION	SS	-STAINLESS STEEL
CO	-CASED OPENING / CLEAN OUT	JAN	-JANITOR	STD	-STEEL
		JT	-JOINT	STOR	-STORAGE
COL	-COLUMN	KDHM	-KNOCK DOWN HOLLOW METAL	STRUC	-STRUCTURAL
CONC	-CONCRETE	LAM	-LAMINATE	SUSP	-SUSPENDED
CONST	-CONSTRUCTION	LAV	-LAVATORY	SYM	-SYMMETRICAL
CONT	-CONTINUOUS	LD	-LEASE DIMENSION	TBD	-TO BE DETERMINED
CORR	-CORRIDOR	LG	-LIGHT	TEL	-TELEPHONE
CPT	-CARPET	LT	-LIGHT	TEMP	-TEMPERED
CT	-CERAMIC TILE	MAT	-MATERIAL	TG	-TEMPERED GLASS
CW	-COLD WATER	MAX	-MAXIMUM	THK	-THICK
DIA	-DIAMETER	MECH	-MECHANICAL	TOM	-TOP OF MASONRY
DIAG	-DIAGONAL	MIN	-MINIMUM	TYP	-TYPICAL
DIM	-DIMENSION	DN	-DOWN	UL	-UNDERWRITER'S LABORATORY
DN	-DOWN	MISC	-MISCELLANEOUS	UNO	-UNLESS NOTED OTHERWISE
DR	-DOOR	MO	-MOISTURE RESISTANT GYPSUM WALLBOARD	VCT	-VINYL COMPOSITION TILE
DTL	-DETAIL	MRGB	-MOISTURE RESISTANT GYPSUM WALLBOARD		
DWG	-DRAWING	MTD	-MOUNTED		
EG	-ELECTRICAL	MTL	-METAL		
CONTRACTOR		NC	-NONCOMBUSTIBLE	VERT	-VERTICAL
ELEV	-ELEVATION	NIC	-NOT IN CONTRACT	VIF	-VERIFY IN FIELD
ELEC	-ELECTRIC	NO	-NUMBER	W	-WIDE
EMER	-EMERGENCY	NTS	-NOT TO SCALE	WC	-WATER CLOSET
EQ	-EQUAL	OCC	-OCCUPANCY	WD	-WOOD
EQUIP	-EQUIPMENT	O/C	-ON CENTER	WIN	-WINDOW
EX	-EXISTING	OFCI	-OWNER FURNISHED	WO	-WELDED OPENING
EXT	-EXTERIOR	OFCI	-OWNER FURNISHED	WHM	-WELDED HOLLOW METAL
FD	-FLOOR DRAIN	OFOS	-OUTSIDE FACE OF STUD	WWF	-WELDED WIRE FABRIC
FEC	-FIRE EXTINGUISHER CABINET				

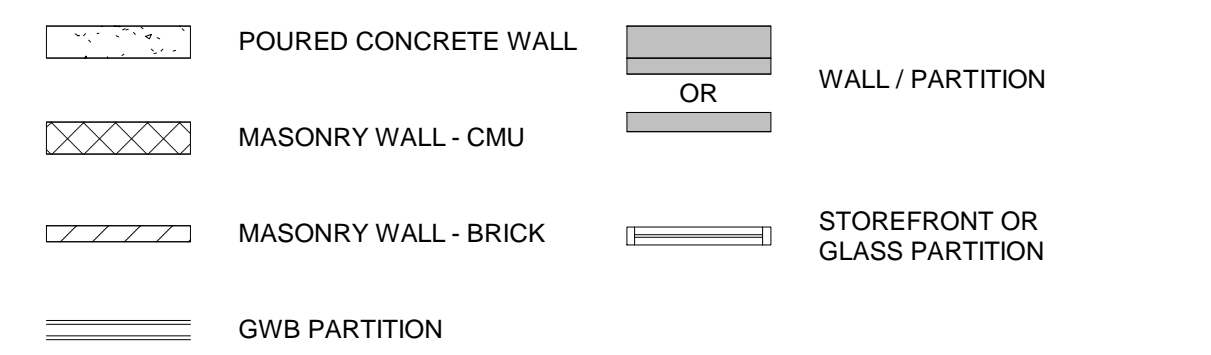


VICINITY MAP
SCALE: 1/2" = 1'-0"

DRAWING SYMBOL LEGEND



WALL / PARTITION LEGEND



SCOPE OF WORK

CONSTRUCTION OF NEW STAND ALONE ROY ROGERS FRANCHISE RESTAURANT. CONSTRUCTION INVOLVES BUT IS NOT LIMITED TO SITE WORK, FOUNDATION, SUPER STRUCTURE, MEP SYSTEMS, EQUIPMENT AND FURNISHINGS, THERMAL AND MOISTURE PROTECTION SYSTEMS, BUILDING ENVELOPE AND INTERIOR, INTERIOR AND EXTERIOR FINISHES, SIGNAGE AND ACCESSORIES.

DEFERRED SUBMITTALS

- SIGNAGE
- DRIVE-THRU EQUIPMENT

PROJECT DIRECTORY

CLIENT:
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5120 TAYLOR MILL RD
SUITE 300
TAYLOR MILL, KY 41015
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COVINGTON, KY 41011
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PHONE: (859) 261-5400

FOOD SERVICE CONSULTANT:
SINGER / EVI
3881 TEN OAKS RD. STE 2C
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CONTACT: JOHN NOONEYHAN III
PHONE: (410) 489-0286

MEP ENGINEER:
KLH ENGINEERS
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FT. THOMAS, KY 41075
CONTACT: ADAM PULSKAMP
PHONE: (859) 442-8050

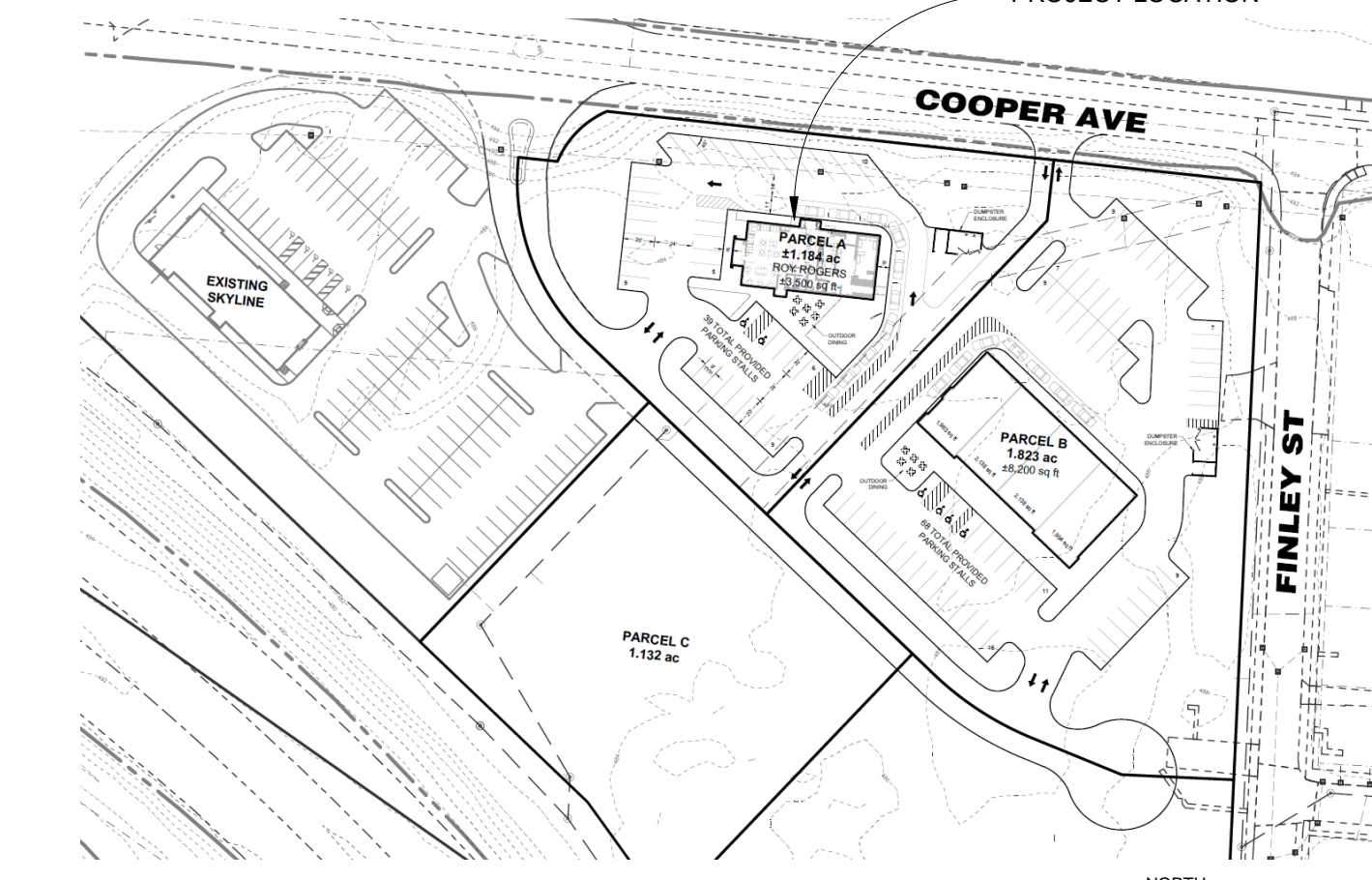
STRUCTURAL ENGINEER:
ADVANTAGE GROUP ENGINEERS
1527 MADISON RD.
CINCINNATI, OH 45206
CONTACT: CASEY HITTER
PHONE: (513) 396-8900

JURISDICTIONAL AUTHORITY:
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CLEVELAND, OH 45002
PHONE: (513) 941-5127

HEALTH DEPARTMENT:
HAMILTON COUNTY PUBLIC HEALTH
ENVIRONMENTAL HEALTH DIVISION
250 WILLIAM HOWARD TAFT RD.
CINCINNATI, OH 45219
PHONE: (513) 946-7800

SHEET INDEX

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KEY PLAN
SCALE: N.T.S.

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Revisions:

Mark	Date	By	Description
	04/08/22		
OWNER REVIEW			
	05/05/22		
ISSUE FOR PERMIT			
	08-16-22		
HOOD+FIRE			

Roy Rogers

CLEVELAND, OH
#3001

151 COOPER RD.
CLEVELAND, OH 45002

PROJECT # 220133
DATE ISSUED 05-05-22

PROJECT INFORMATION

G-001

FIRE / LIFE SAFETY NOTES

- ILLUMINATED EXIT SIGNS SHALL BE PROVIDED THROUGHOUT THE BUILDING. ALL EXIT SIGNS SHALL HAVE BATTERY BACKUP.
- THIS BUILDING SHALL BE PROVIDED WITH APPROVED BATTERY POWERED EMERGENCY LIGHTING TO ILLUMINATE ALL REQUIRED MEANS OF EGRESS.
- DOORS SHALL BE ARRANGED TO BE OPENED READILY FROM THE EGRESS SIDE WHENEVER THE BUILDING IS OCCUPIED. LOCKS, IF PROVIDED, SHALL NOT REQUIRE THE USE OF A KEY, A TOOL, OR SPECIAL KNOWLEDGE OR EFFORT FOR OPERATION FROM THE EGRESS SIDE.
- EMERGENCY LIGHTING UNITS ARE TO BE WIRED INTO THE NORMAL LIGHTING CIRCUIT AND ARRANGED AS TO PROVIDE THE REQUIRED ILLUMINATION AUTOMATICALLY IN THE EVENT OF ANY INTERRUPTION OF NORMAL LIGHTING SUCH AS ANY FAILURE OF PUBLIC UTILITY OR OUTSIDE ELECTRICAL POWER SUPPLY, OPENING OF A CIRCUIT BREAKER OR FUSE, OR ANY MANUAL ACTS INCLUDING ACCIDENTAL OPENING OF SWITCH CONTROLLING NORMAL LIGHTING FACILITIES.
- EVERY CLOSET DOOR LATCH SHALL BE SUCH THAT CHILDREN CAN OPEN THE DOOR FROM THE INSIDE OF THE CLOSETS.
- EVERY BATHROOM DOOR LOCK SHALL BE DESIGNED TO PERMIT OPENING OF THE LOCKED DOOR FROM THE OUTSIDE IN AN EMERGENCY. THE OPENING DEVICE SHALL BE READILY ACCESSIBLE TO ANYONE OUTSIDE THE DOOR.
- THE ELEVATION OF THE FLOOR SURFACES ON BOTH SIDES OF A DOOR SHALL NOT VARY BY MORE THAN 1/2". THE ELEVATION SHALL BE MAINTAINED ON BOTH SIDES OF THE DOORWAY FOR A DISTANCE NOT LESS THAN THE WIDTH OF THE WIDEST LEAF. THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 1/2" IN HEIGHT. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES IN EXCESS OF 1/4" SHALL BE BEVELED WITH A SLOPE OF NOT STEEPER THAN 1 IN 2.
- A LATCH OR OTHER FASTENING DEVICE ON A DOOR SHALL BE PROVIDED WITH A RELEASING DEVICE HAVING AN OBVIOUS METHOD OF OPERATION AND THAT IS READILY OPERATED UNDER ALL LIGHTING CONDITIONS. THE RELEASING MECHANISM FOR ANY LATCH SHALL BE NOT LESS THAN 34", AND NOT MORE THAN 48" ABOVE FINISH FLOOR. DOORS SHALL BE OPERABLE WITH NOT MORE THAN ONE RELEASING OPERATION.
- PORTABLE FIRE EXTINGUISHERS SHALL BE INSTALLED, INSPECTED, AND MAINTAINED IN ACCORDANCE WITH NFPA 10, STANDARD FOR PORTABLE FIRE EXTINGUISHERS

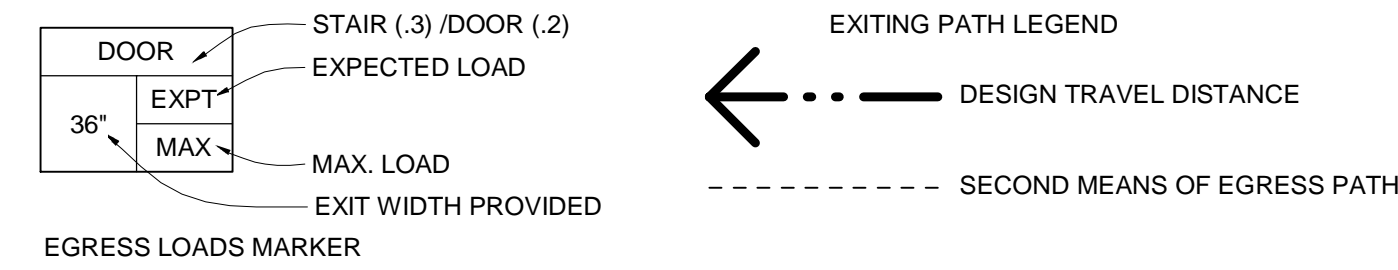
PLUMBING FIXTURE COUNT

IPC TABLE 7.21.1

OCCUPANCY CLASSIFICATION		A-2 ASSEMBLY						
TOTAL OCCUPANT LOAD								
NO. OF MALE OCCUPANTS		73.5						
NO. OF FEMALE OCCUPANTS		73.5						
GENDER	WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS		SERVICE SINKS	
	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED
MALE	1 PER 75	1	1 PER 200	1	0 PER SECTION **	0	1	1
	1	1	1	1				
FEMALE	1 PER 75	1	1 PER 200	1	0 PER SECTION **	0	1	1
	1	1	1	1				

** DRINKING FOUNTAINS ARE NOT REQUIRED IN RESTAURANTS OR OTHER FOOD SERVICES ESTABLISHMENTS IF DRINKING WATER IS AVAILABLE.

CODE INFORMATION & EGRESS PLAN LEGEND



OCCUPANCY LOAD CALCULATION BY SPACE USE

CHAPTER 10 - MEANS OF EGRESS

SPACE USE	OCCUPANTS
DINING RM-FIXED SEATING (BOOTH):	16
DINING RM-FIXED SEATING (BANQUETTE):	11
DINING RM-UNCONCENTRATED (916 SF):	63 15 NET SF PER OCCUPANT
KITCHEN (1773 SF):	7 200 GROSS SF PER OCCUPANT
STORAGE (461 SF):	2 300 GROSS SF PER OCCUPANT
PATIO SEATING (298 SF):	20 15 NET SF PER OCCUPANT
TOTAL:	99 OCCUPANTS FOR EGRESS CALCULATION
	119 OCCUPANTS FOR PLUMBING FIXTURE CALCULATION

EGRESS

SECTION 1029.8	COMMON PATH OF EGRESS TRAVEL SEATING AREA ALL OTHER AREAS	30' MAX. FROM ANY SEAT 75' MAX.
SECTION 1017	EXIT ACCESS TRAVEL DISTANCE	
TABLE 1017.2	EXIT ACCESS TRAVEL DISTANCE A-2 - ASSEMBLY	200' W/O SPRINKLER
SECTION 1020.2	CORRIDOR WIDTH	44"
SECTION 1020.4	DEAD END CORRIDOR	20' MAX.
SECTION 1006.1	MIN. NUMBER OF EXITS REQUIRED	2 (4 PROVIDED)

SPRINKLER REQUIREMENTS:

NO AUTOMATIC SPRINKLER SYSTEM IS REQUIRED DUE TO OCCUPANT LOAD IS LESS THAN 100 [903.2.1.2 GROUP #2]

FIRE ALARM REQUIREMENTS:

NO MANUAL FIRE ALARM IS REQUIRED DUE TO OCCUPANT LOAD IS LESS THAN 300 [907.2.1 GROUP A]

APPLICABLE CODES

BUILDING	2017 OHIO BUILDING CODE
MECHANICAL	2017 OHIO MECHANICAL CODE
ELECTRICAL	2017 NATIONAL ELECTRICAL CODE OF OHIO, NFPA 70-17
PLUMBING	2017 OHIO PLUMBING CODE
FIRE PREVENTION CODE	2017 OHIO FIRE CODE
LIFE SAFETY CODE	NFPA 101
ENERGY	2017 OHIO ENERGY CODE
ACCESSIBILITY	2009 A117.1

GENERAL BUILDING DATA

SECTION 302	BUILDING USE AND OCCUPANCY GROUP	A-2 ASSEMBLY
SECTION 602	CONSTRUCTION CLASSIFICATION	VB
TABLE 803.9	INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY	
	EXIT PASSAGEWAYS AND EXIT ENCLOSURES	A
	CORRIDORS	A
	ROOMS AND ENCLOSED SPACES	B
SECTION 903	AUTOMATIC SPRINKLER SYSTEM	NO
SECTION 907	FIRE ALARM AND DETECTION SYSTEM	NO

BUILDING HEIGHT AND AREA

TABLE 503	ALLOWABLE HEIGHT AND BUILDING AREAS	ALLOWED	PROVIDED
	AREA PER STORY	6,000 G.S.F.	3,722 G.S.F.
	STORIES ABOVE GRADE PLANE	1	1
	FEET ABOVE GRADE PLANE	40'	18'

BUILDING FIRE RESISTANCE RATINGS

TABLE 601	FIRE RESISTANT RATING REQUIREMENTS FOR BUILDING ELEMENTS	REQUIRED
	STRUCTURAL FRAME	0 HOURS
	BEARING WALLS	
	INTERIOR	0 HOURS
	EXTERIOR	0 HOURS
	NON-BEARING WALLS AND PARTITIONS	
	EXTERIOR	0 HOURS
	NON-BEARING WALLS AND PARTITIONS	
	INTERIOR	0 HOURS
	FLOOR CONSTRUCTION	
	INCLUDING SUPPORTING BEAMS AND JOIST	0 HOURS
	ROOF CONSTRUCTION	
	INCLUDING SUPPORTING BEAMS AND JOIST	0 HOURS

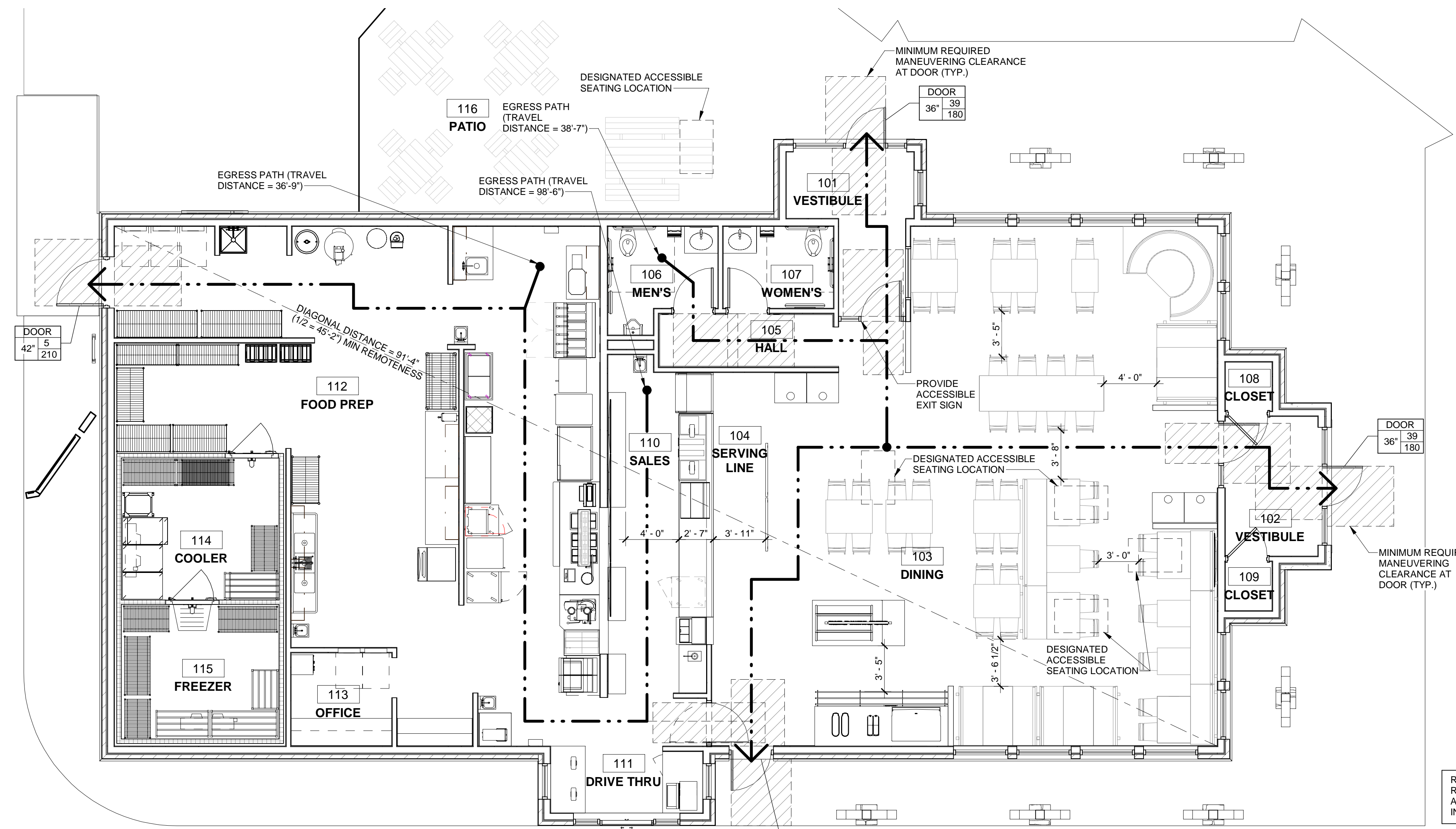


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Revisions:

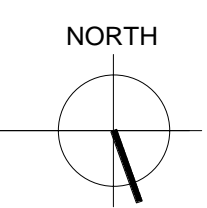
Mark	Date	By	Description
	04/08/22		
	05/05/22		
	08-16-22		

OWNER REVIEW _____
 ISSUE FOR PERMIT _____
 HOOD+FIRE _____



1 EGRESS PLAN
 G-002 SCALE 3/16" = 1'-0"

REFER TO ENLARGED RESTROOM PLAN FOR ADDITIONAL ACCESSIBILITY INFO



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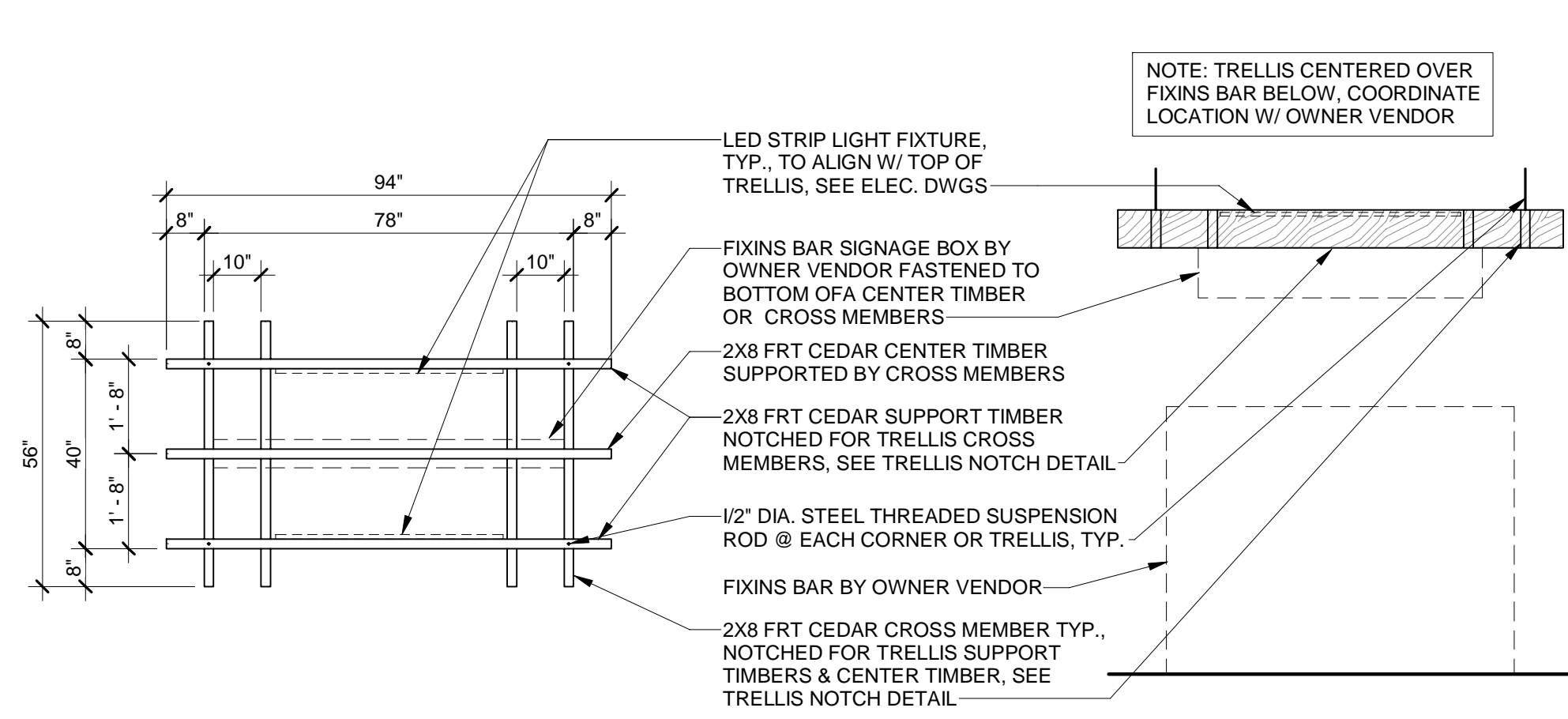
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 CLEVELS, OH 45002

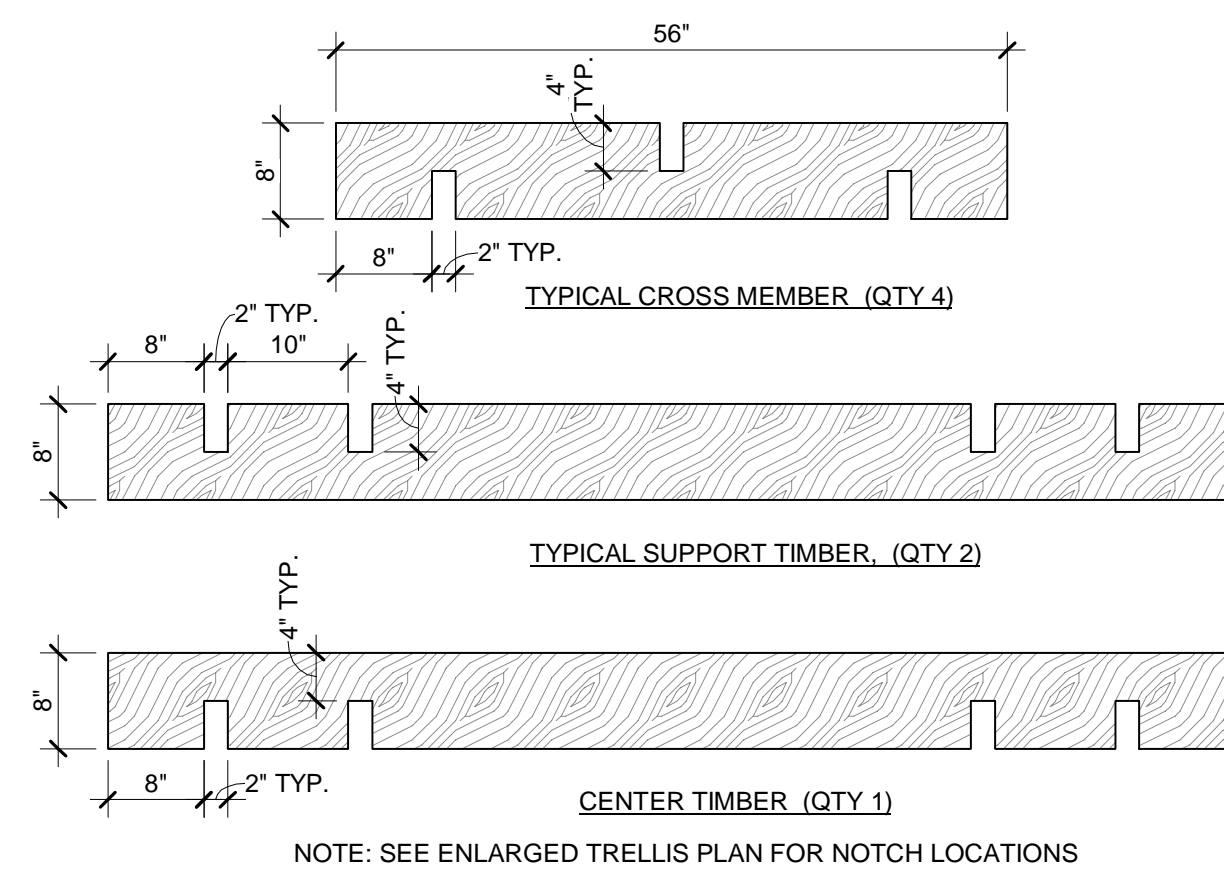
PROJECT # 220133
 DATE ISSUED 05-05-22

CODE ANALYSIS AND EGRESS PLAN

G-002



2 ENLARGED TRELLIS PLAN & ELEVATION
A-102 SCALE: 3/8" = 1'-0"

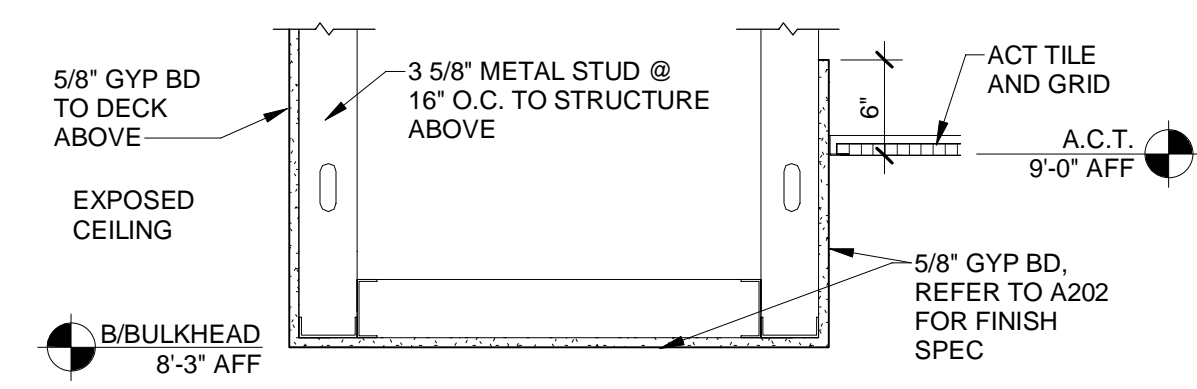


3 TRELLIS NOTCH DETAIL
A-102 SCALE: 3/4" = 1'-0"

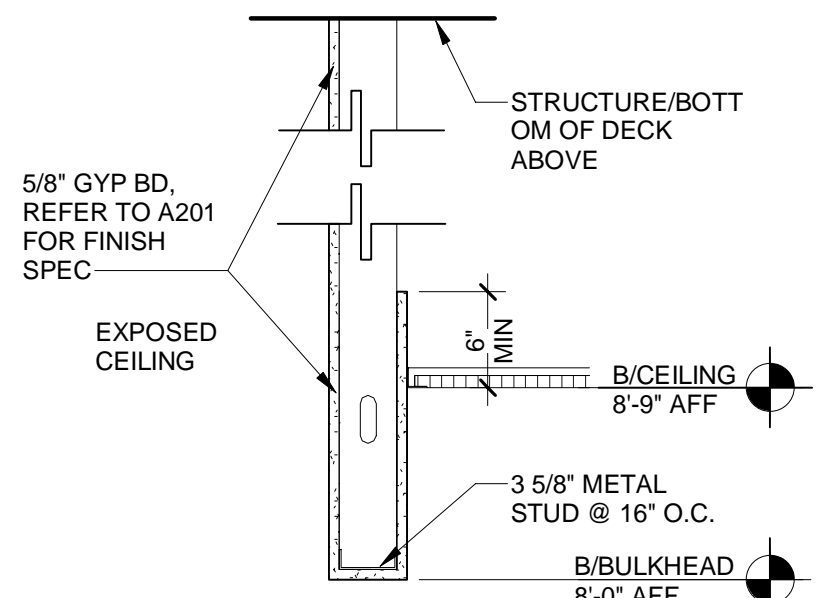
GENERAL CONTRACTOR NOTE:
DUCTWORK MUST BE INSTALLED WHEN ROOF TRUSSES ARE INSTALLED, GC TO COORDINATE IN FIELD.

GENERAL REFLECTED CEILING NOTES

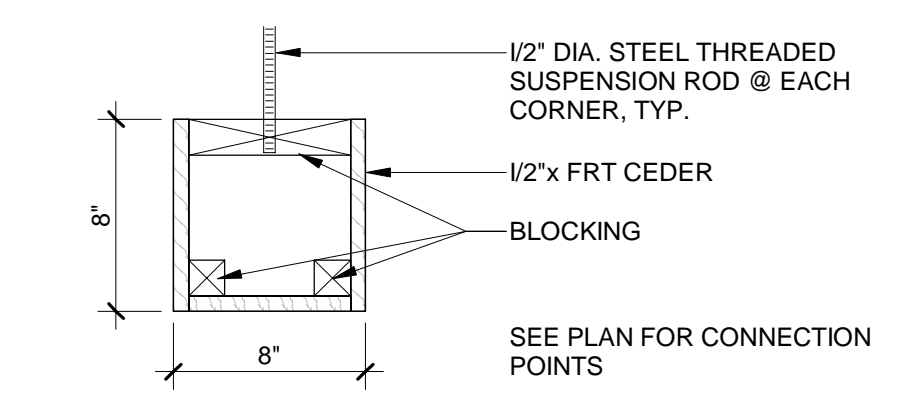
1. ALL LAY-IN CEILING TILE AND ASSOCIATED GRID TO BE EQUALLY SPACED IN ROOM UNLESS OTHERWISE NOTED. WHEN POSSIBLE AVOID USING TILES LESS THAN 4" IN ANY DIRECTION.
2. COORDINATE WITH MEP DRAWINGS FOR THE LOCATIONS AND TYPES OF ALL MECHANICAL AND ELECTRICAL EQUIPMENT REQUIRED TO BE INSTALLED.
3. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE AND TECHNICAL INFORMATION.
4. LOCATIONS OF LIGHT FIXTURES SHALL BE DETERMINED FROM THE REFLECTED CEILING PLAN.
5. ALL EXPOSED ROOF TRUSSES, DUCTWORK, ROOF DECK, PIPING, CONDUIT, ETC. SHALL BE PAINTED BLACK AS SCHEDULED.
6. GENERAL CONTRACTOR TO PROVIDE BLOCKING IN BETWEEN THE ROOF TRUSS AND THE BOTTOM PANEL POINT OVER THE AREA OF THE PREFABRICATED BULKHEAD (TO BE USED AS A SUPPORT FOR THE PREFABRICATED BULKHEAD).
7. GYPSUM BOARD FOR TOILET ROOM CEILINGS SHALL BE MOISTURE RESISTANT.
8. UPON FINDING A DISCREPANCY BETWEEN ARCHITECTURAL AND ELECTRICAL DRAWINGS, NOTIFY THE ARCHITECT IMMEDIATELY FOR CLARIFICATION.
9. GENERAL CONTRACTOR TO COORDINATE TRUSS INSTALLATION AND MECHANICAL EQUIPMENT TO ASSURE THAT DUCTWORK WILL BE INSTALLED WITH IN TRUSS.



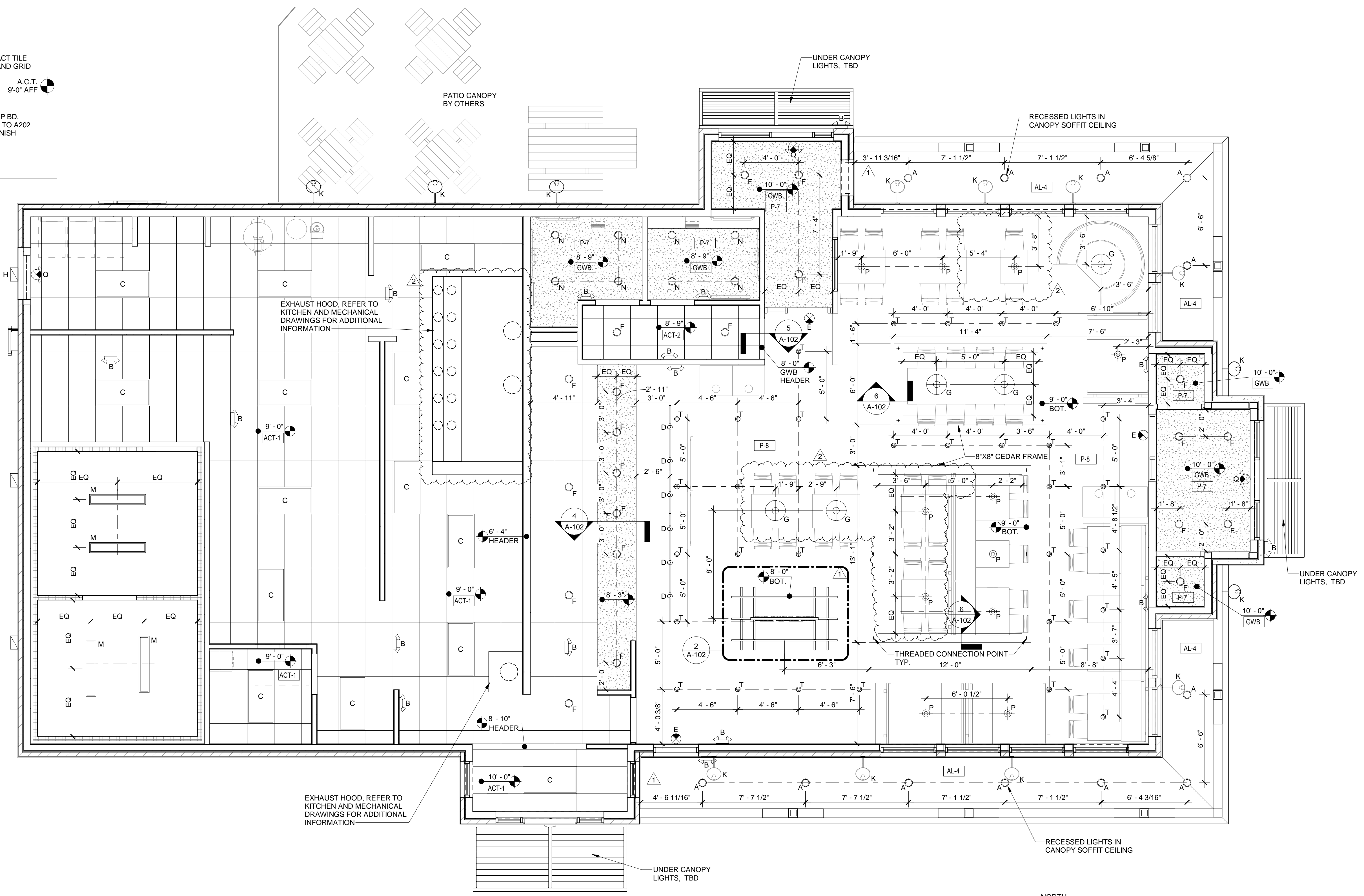
4 DETAIL - SOFFIT
A-102 SCALE: 1" = 1'-0"



5 DETAIL - WALL HEADER
A-102 SCALE: 1" = 1'-0"



6 DETAIL - CEILING CEDAR FRAME
A-102 SCALE: 1 1/2" = 1'-0"



1 REFLECTED CEILING PLAN
A-102 SCALE: 1/4" = 1'-0"

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Revisions:

Mark	Date	By	Description
	04/08/22		OWNER REVIEW
	05/05/22		ISSUE FOR PERMIT
	08-16-22		HOOD/FIRE

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CLEVELS, OH #3001

151 COOPER RD.
CLEVELS, OH 45002

PROJECT # 220133
DATE ISSUED 05-05-22

REFLECTED CEILING PLAN

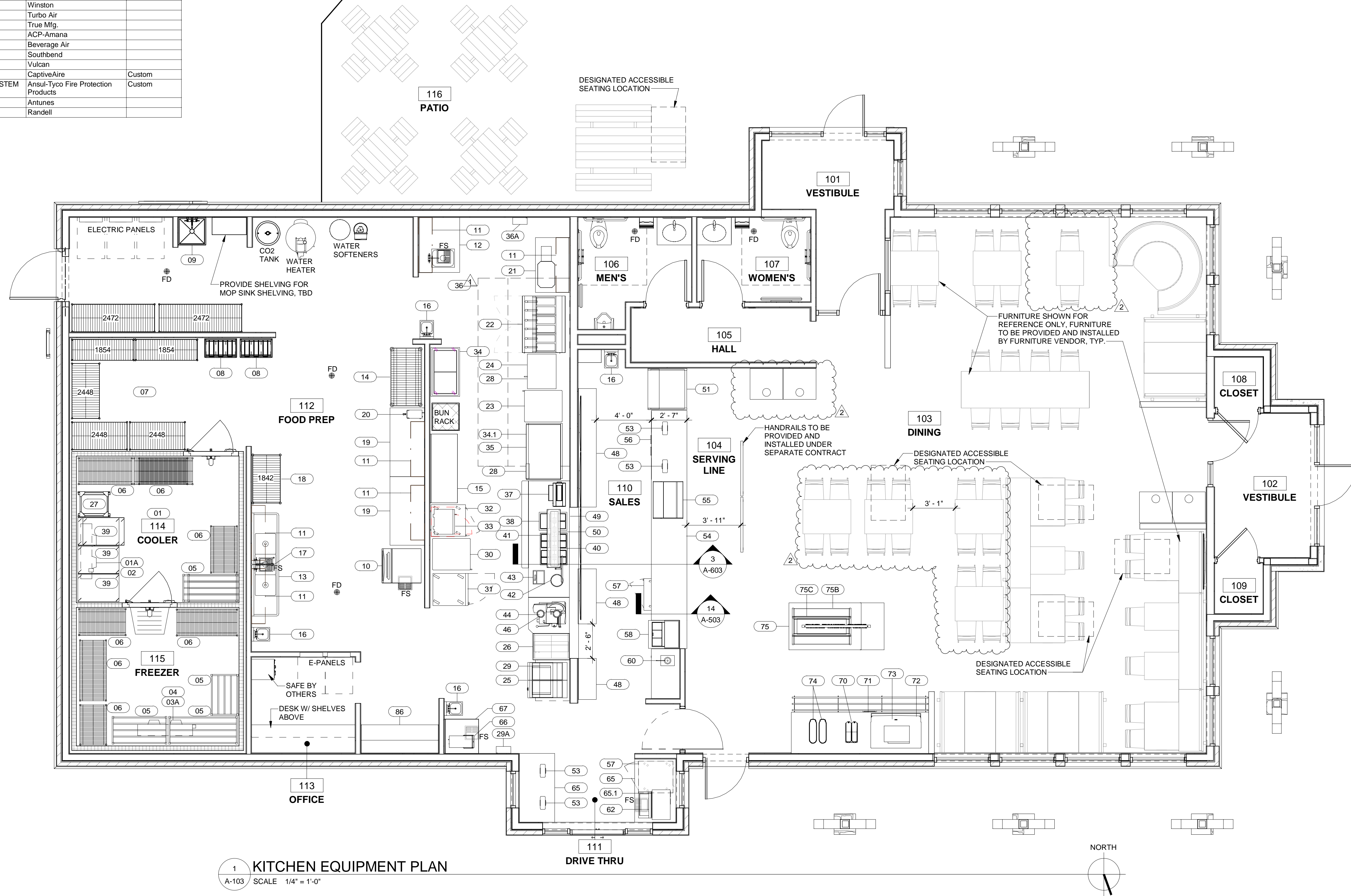
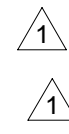
A-102

SPECIALTY EQUIPMENT SCHEDULE			
Type Mark	Description	Manufacturer	Comments
01	WALK-IN COOLER/FREEZE	Bally Refrigerated Boxes	Custom
01A	WALK-IN COOLER EVAPORATOR	Bally Refrigerated Boxes	Custom
02	COOLER CONDENSER	Bally Refrigerated Boxes	Custom
03A	WALK-IN FREEZE EVAPORATOR	Bally Refrigerated Boxes	Custom
04	FREEZER CONDENSER	Bally Refrigerated Boxes	Custom
05	COLD STORAGE DUNNAGE	Channel Manufacturing	
06	COLD STORAGE SHELVING	Metro	
07	DRY STORAGE SHELVING	Metro	
08	SODA B.I.B. RACK	BY VENDOR	
09	MOP SINK (24X24)		By GC
10	ICE MAKER W/BIN	Manitowoc Ice	
11	S/S OVERSHELVES	Advance Tabco	
12	PREP TABLE W/ SINK	Advance Tabco	
13	3-COMPARTMENT SINK	Advance Tabco	
14	SECURITY STORAGE UNIT	Metro	
15	S/S WORK TABLE, 60"x24"	Advance Tabco	
16	HAND SINK	Advance Tabco	
17	Pre-Rinse Unit: 8in c/c Wall Mount Mixing Faucet	T&S Brass and Bronze Works, Inc.	
18	POT SHELVING	Metro	
19	WORK TABLE W/ WALL SHELF	Advance Tabco	
20	HOT WATER DISPENSER	BUNN	
21	CHICKEN BREADER TABLE	Ayr King	
22	3-BANK FRYER	Henny Penny	
23	ROASTING OVEN	Winston	
24	CONVECTION OVEN, SINGLE-DECK, HALF-SIZE	Blodgett	Electric
25	2-BANK FRYER W/ FILTRATION	Henny Penny	
26	FRY DUMP HEAT LAMP	Hatco	
27	MOBILE UTILITY RACK		
28	FOOD TIMER	Kitchen Brains	
29	EXHAUST HOOD	CaptiveAire	Custom
29A	ANSUL FIRE SUPPRESSION SYSTEM	Ansul-Tyco Fire Protection Products	Custom
30	HEATED HOLDING CABINET	Winston	
31	REACH-IN FREEZER	Turbo Air	
32	WORKTOP REFRIGERATOR	True Mfg.	
33	MICROWAVE OVEN	ACP-Amana	
34	CHEST FREEZER	Beverage Air	
34.1	FREEZER EQUIPMENT STAND	Southbend	
35	FLAT TOP GRIDDLE	Vulcan	
36	EXHAUST HOOD	CaptiveAire	Custom
36A	ANSUL FIRE SUPPRESSION SYSTEM	Ansul-Tyco Fire Protection Products	Custom
37	BUN TOASTER	Antunes	
38	COLD WELL	Randell	

SPECIALTY EQUIPMENT SCHEDULE			
Type Mark	Description	Manufacturer	Comments
39	CHICKEN CART		
40	STAGING SHELF	Advance Tabco	Custom
41	BACKLINE WORK STATION	Advance Tabco	Custom
42	AU JUS POT	Hatco	
43	SCALE	San Jamar	
44	SLICER	Bizerba	
46	IFW6310	Cres Cor	
48	MILL/WORK CABINET	MILLWORKER	W/ TOP
49	BACKLINE WORK STATION	Custom	Custom
50	HEAT LAMP	Hatco	
51	SALAD DISPLAY CASE	Federal Industries	
53	POS STATION	NCR	
54	FRONT COUNTER		Custom
55	CHICKEN DISPLAY CASE	Hatco Corporation	
56	BUILT-IN CUP DISPENSER	Dispense-Rite	
57	UNDERCOUNTER REFRIGERATOR	True Mfg.	
58	ICE CREAM CABINET	True Mfg.	
60	HOT FUDGE PUMP	Star	
62	ICE COOLED DROP IN DISPENSER	LANCER	
65	DRIVE THRU COUNTER		Custom
65.1	OVERHEAD CUP DISPENSER		Custom
66	TEA BREWER	Bunn	
67	S/S WORK TABLE 30"x30"	Advance Tabco	
70	COLD BEV DISP. 2x9 LT. AGITATOR	Electrolux Professional	
71	BEVERAGE CENTER W/TRAY SLIDES		
72	SODA TOWER	BY VENDOR	
73	ICE CUBE MACHINE	Manitowoc Ice	
74	TEA DISPENSER		
75	FIXINS BAR BODY		Custom
75B	SNEEZE GUARD W/ LED LIGHTS	Stainless Works	Custom
75C	COLD WELL DROP-IN UNIT	Defield	Custom
86	EMPLOYEE DESK	MILLWORKER	Custom
TV-1	TV - 65" 57.6" X 33.2" X 3.47"	Samsung	

GENERAL HEALTH DEPARTMENT NOTES

- ALL EXHAUST HOODS WILL BE CONSTRUCTED TO MEET N.S.F., U.L. AND N.F.P.A. #96 STANDARDS. IN ADDITION ALL EXHAUST HOODS ARE TO MEET ALL LOCAL GOVERNING CODES.
- ALL COOKING EQUIPMENT UNDER THE EXHAUST HOODS WILL BE ON EITHER CASTERS WITH FLEXIBLE QUICK DISCONNECTS AND RESTRAINTS OR ON ADJUSTABLE STAINLESS STEEL LEGS AND SEALED TO THE WALLS WITH CLEAR SILICONE SEALANT.
- ALL ICE MACHINES TO BE HELD OFF ADJACENT BUILDING WALLS BY 6". IF A VACUUM BREAKER IS REQUIRED BY CODES IT WILL BE FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR.
- THE EXHAUST HOODS AND DUCTS WILL BE PROVIDED WITH AN AUTOMATIC FIRE SUPPRESSION SYSTEM.
- ALL REFRIGERATORS WILL BE FURNISHED WITH THERMOMETERS WHICH ARE EASILY READABLE, IN PROPER WORKING CONDITION AND ACCURATE WITH IN A RANGE OF PLUS OR MINUS 2 DEGREES.
- ALL COUNTER TOP EQUIPMENT NOT READILY MOVABLE, WEIGHING OVER 80 POUNDS WILL BE PROVIDED WITH 4" LEGS WITH ADJUSTABLE FEET.
- ALL CHEMICAL KITS FOR THREE COMPARTMENT SINKS WILL BE FURNISHED BY THE CHEMICAL SUPPLIER.
- ALL CHEMICAL INJECTION SYSTEMS MUST BE INSTALLED DOWNSTREAM FROM A VACUUM BREAKER OR AIR GAP TO PREVENT POSSIBLE BACK SIPHONAGE OF THE CHEMICALS INTO THE WATER LINE SYSTEM.
- ALL CUTTING BOARDS AND WORK SURFACES SHALL BE OF NON WOOD CONSTRUCTION.
- ALL FOOD SERVICE AND RELATED EQUIPMENT SHALL BE INSTALLED IN CONFORMITY WITH THE N.S.F. STANDARDS AND SHALL BE N.S.F. APPROVED.
- AN AISLE SPACE OF A MINIMUM OF THIRTY-SIX (36) INCHES OR MORE SHALL BE PROVIDED WITH ALL WORK SPACES.
- BACKSPASHES OF EQUIPMENT SHALL BE INSTALLED A MINIMUM OF THREE (3) INCHES OR SEALED TO THE WALL WITH SILICONE SEALANT.
- VACUUM BREAKERS WHEN USED TO BE A MINIMUM OF SIX (6) INCHES ABOVE THE FLOOD RIM WITH NO SHUT OFF DEVICES BEYOND THE DISCHARGE OF THE VACUUM BREAKER.
- A MINIMUM OF 50 FOOT CANDLES OF LIGHT SHALL BE PROVIDED IN ALL FOOD PREPARATION AND SERVING AREAS.
- HANDWASHING FACILITIES ARE REQUIRED IN THE FOOD PREPARATION, SERVING, AND UTENSIL WASHING AREAS AND WILL BE SHOWN ON THE FLOOR PLAN.
- SNEEZE GUARD PROTECTION WHERE APPLICABLE WILL BE PROVIDED FOR EXPOSED, UNWRAPPED FOOD SHOWN AT SUCH AREAS AS SALAD BARS, BUFFETS, AND CAFETERIA LINES.



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

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Revisions:

Mark	Date	By	Description
	04/08/22		OWNER REVIEW
	05/05/22		ISSUE FOR PERMIT
△	08-16-22		HOOD+FIRE
△			

Roy Rogers

CLEVELS, OH #3001
151 COOPER RD.
CLEVELS, OH 45002

PROJECT # 220133
DATE ISSUED 05-05-22

KITCHEN EQUIPMENT PLAN

A-103

GENERAL CONTRACTOR NOTE

COORDINATE EXACT LOCATION OF RTUS WITH STRUCTURAL AND ARCHITECT DWGS. DUCT WORK MUST BE INSTALLED WHEN ROOF TRUSSES ARE INSTALLED. SUPPLY AND RETURN DUCT MUST RUN THROUGH OPEN WEBBING OF ROOF TRUSSES. COORDINATE ROUTING OF DUCTWORK WITH ROOF TRUSSES INSTALLED(TYPICAL). GENERAL CONTRACTOR TO COORDINATE IN FIELD.

KEYED NOTES

- M01 EXTEND EXHAUST DUCT UP THRU ROOF.
- M02 TYPE I KITCHEN HOOD. REFERENCE FOOD SERVICE (FS) DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- M03 EXTEND AND CONNECT DUCT UP TO MAKE-UP AIR UNIT. PROVIDE FLEXIBLE CONNECTION AT UNIT.
- M04 PROVIDE DOUBLE WALL DUCTWORK WITH 1" INSULATION FOR ALL EXPOSED DUCTWORK. DUCTWORK TO BE PAINTED TO MATCH CEILING. COORDINATE WITH ARCHITECT.
- M05 PROVIDE 1.5" AIRSPACE BETWEEN BOTTOM OF DOOR AND FINISHED FLOOR FOR AIRFLOW.
- M06 PROVIDE 1" AIRSPACE BETWEEN BOTTOM OF DOOR AND FINISHED FLOOR FOR AIRFLOW.
- M07 PERFORATED SUPPLY DIFFUSER PROVIDED WITHOUT PATTERN CONTROLLER.
- M08 EXTEND SUPPLY AIR DUCT DOWN TO SUPPLY CONNECTIONS TO HOOD. PROVIDE TRANSITION DUCT AND BALANCING DAMPER AT HOOD.
- M09 MECHANICAL CONTRACTOR SHALL FURNISH A NEW ADDRESSABLE SMOKE DETECTOR. MECHANICAL CONTRACTOR SHALL INSTALL SMOKE DETECTOR IN NEW AIR DUCT MAIN. MECHANICAL CONTRACTOR SHALL INTERLOCK SMOKE DETECTOR TO FAN MOTOR. ELECTRICAL CONTRACTOR SHALL WIRE SMOKE DETECTOR TO REMOTE ANNUNCIATOR. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION INCLUDING ANNUNCIATOR LOCATION.
- M10 PROVIDE THERMOSTAT AND EXTEND CONTROL WIRING FROM RTU AND SPACE SENSOR TO THIS LOCATION.
- M11 EXTEND DUCTWORK UP TO UNIT THROUGH OPENING IN ROOF AND CONNECT TO ROOFTOP UNIT. VERTICAL DUCTWORK SAME SIZE AS EQUIPMENT. PROVIDE FLEXIBLE CONNECTION IN VERTICAL DUCT.
- M12 EXTEND GREASE DUCT UP THROUGH ROOF TO EXHAUST FAN ON ROOF. PROVIDE APPROVED FLANGED AND GASKETED DUCT TRANSITION AT EXHAUST FAN. PROVIDE HI-TEMPERATURE DUCT WRAP ON ENTIRE LENGTH OF GREASE DUCT. PROVIDE DUCT CLEAN-OUT AND ACCESS DOORS AS REQUIRED BY IMC AND AUTHORITY HAVING JURISDICTION. REFERENCE SPECIFICATIONS AND FOOD SERVICE (FS) DRAWINGS FOR ADDITIONAL REQUIREMENTS. CONTRACTOR TO PROVIDE OPENING IN ROOF FOR DUCT, CURB AND FAN.
- M13 PROVIDE SPACE SENSOR AT THIS LOCATION. EXTEND CONTROL WIRING TO THERMOSTATS LOCATED IN OFFICE.
- M14 PROVIDE AIR DEVICE WITH BALANCING DAMPER TO BE CONTROLLED REMOTELY AT FACE OF DIFFUSER. BASIS OF DESIGN YOUNG REGULATOR MODEL 270-275 WITH OPPOSED BLADE DAMPER.
- M15 PROVIDE AIR TEMPERATURE SENSOR IN RETURN DUCT.

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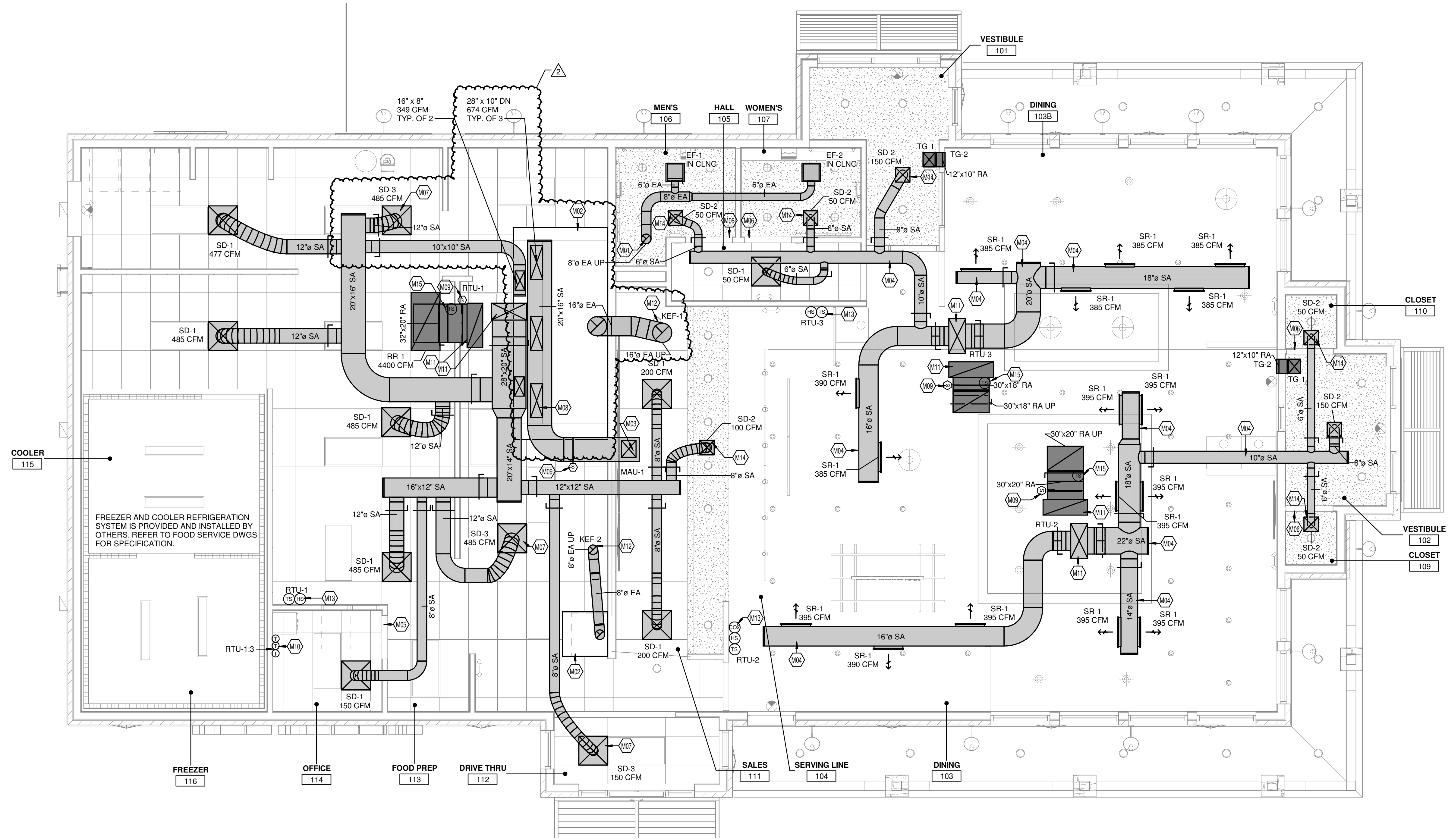
KLH ENGINEERS
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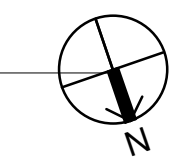
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Revisions:

Mark	Date	By	Description
	06/07/22		
BID/PERMIT			
△	8/16/2022		Hood Updates
△			
△			



1 MECHANICAL PLAN
1/4" = 1'-0"



Roy Rogers

CLEVELS, OH
151 COOPER RD.
CLEVELS, OH 45002

PROJECT # 24035.00
DATE ISSUED 06-07-2022

MECHANICAL - DUCTWORK PLAN

M100

2" REFERENCE LINE
KLH JOB #: 24035

HVAC ELECTRICAL COORDINATION SCHEDULE

ABBREVIATIONS		CONTRACTOR TYPE		MOTOR CONTROL TYPE		CONTROL TYPE	
DC	LOCAL DISCONNECT	EC	ELECTRICAL CONTRACTOR	CS	COMBINATION STARTER	TC	TIMECLOCK
MC	MOTOR CONTROL (POWER)	EX	EXISTING	MCC	MOTOR CONTROL STARTER	CPT	CONTROL POWER TRANSFORMER
SD	DUCT SMOKE DETECTOR	FC	FIRE PROTECTION CONTRACTOR	MG	MAGNETIC STARTER OR CONTACT	BAS	BUILDING AUTOMATION SYSTEM
CN	CONTROLS	GC	GENERAL CONTRACTOR	MS	MANUAL STARTER	LOW	LOW VOLTAGE CONTROLS
TS	TOGGLE SWITCH	HC	HVAC CONTRACTOR	VFD	VARIABLE FREQUENCY DRIVE	LINE	LINE VOLTAGE CONTROLS
C/B	H.A.C.R. CIRCUIT BREAKER AT SOURCE PANELBOARD	MFR	MANUFACTURER	MSR	MANUAL STARTER W/ CONTROL RELAY	RLINE	REVERSE ACTING LINE VOLTAGE THERMOSTAT
FUSE	FUSE AT LOCAL DISCONNECT (VERIFY FIELD RATING)	PC	PLUMBING CONTRACTOR	OV	OVERCURRENT PROTECTION	MAN	MANUAL
FLA	OPERATING FULL LOAD AMPS	OR	OWNER OR OTHERS			FA	FIRE ALARM
MCA	MINIMUM CIRCUIT CAPACITY					CO	CARBON MONOXIDE SENSOR
CP	CORD AND PLUG CONNECTION					INT	INTEGRAL TO EQUIPMENT
						ASD	AREA SMOKE DETECTOR
						DS	DUCT SMOKE DETECTOR

EQUIPMENT MARK	DESCRIPTION	VOLTS (V)	PHASE	EMERGENCY	BHP (HP)	HP (HP)	HTG (KW)	WATTS	FLA (A)	MCA (A)	OCF (A)	FED FROM	DC FURN	DC INST	DC WIRE	MC TYPE	MC FURN	MC INST	MC WIRE	CN TYPE	CN FURN	CN INST	CN WIRE	FA SHUTDOWN	AVAILABLE FAULT CURRENT (A)
CU-1 MAU	AIR COOLED CONDENSING UNIT	208	3						9.07	11.2	20		EC	EC	EC	MG	MFR	MFR	MFR	LOW	HC	HC	HC		963
CU-2 MAU	AIR COOLED CONDENSING UNIT	208	3						9.07	11.2	20		EC	EC	EC	MG	MFR	MFR	MFR	LOW	HC	HC	HC		927
EF-1	CEILING MOUNTED VENTILATOR	120	1						0.1				EC	EC	EC	MG	MFR	MFR	MFR	LINE	EC	EC	EC		1458
EF-2	CEILING MOUNTED VENTILATOR	120	1						0.1				EC	EC	EC	MG	MFR	MFR	MFR	LINE	EC	EC	EC		1200
KEF-1	CENTRIFUGAL ROOF VENTILATOR	208	3			2			8.3				EC	EC	EC	MG	MFR	MFR	MFR	LOW	HC	HC	HC		914
KEF-2	CENTRIFUGAL ROOF VENTILATOR	120	1			333			4.3				EC	EC	EC	MG	MFR	MFR	MFR	LOW	HC	HC	HC		1240
MAU-1	PACKAGED OUTDOOR MAKEUP AIR UNIT	208	3			3			8.6	12	20		EC	EC	EC	MG	MFR	MFR	MFR	LOW	HC	HC	HC	DUCT SMOKE	967
RTU-1	PACKAGED OUTDOOR ROOFTOP UNIT	208	3						61	70			EC	EC	EC	MG	MFR	MFR	MFR	LOW	HC	HC	HC	DUCT SMOKE	4932
RTU-2	PACKAGED OUTDOOR ROOFTOP UNIT	208	3						61	70			EC	EC	EC	MG	MFR	MFR	MFR	LOW	HC	HC	HC	DUCT SMOKE	4023
RTU-3	PACKAGED OUTDOOR ROOFTOP UNIT	208	3						45	50			EC	EC	EC	MG	MFR	MFR	MFR	LOW	HC	HC	HC	DUCT SMOKE	2540

HVAC VENTILATION SCHEDULE

NUMBER	NAME	AREA	PEOPLE	OA PER PERSON	OA PER SQ FT.	REQ SUP	ACT SUP	REQ OA	ACT OA	ACT RET	ACT EXH	CRIT OA	PRESSURE
101	VESTIBULE	84 SF	0	0	0	142	150	18	18	150	0	0	E
102	VESTIBULE	73 SF	0	0	0	145	150	32	33	150	0	0	E
103	DINING	879 SF	62	7.5	0.18	3423	3550	753	781	3550	0	0.2194	E
103B	DINING	879 SF	27	7.5	0.18	2600	2700	312	324	2700	0	0.1251	E
104	SERVING LINE	92 SF	7	7.5	0.18	44	100	7	16	100	0	0.86	E
105	HALL	53 SF	0	0	0.06	50	50	6	6	50	0	0.08	E
106	NEWS	57 SF	0	0	0	50	50	6	6	0	75	0	N
107	WOMENS	51 SF	0	0	0	50	50	6	6	0	75	0	N
109	CLOSET	13 SF	0	0	0.12	50	50	11	11	50	0	0.04	E
110	CLOSET	13 SF	0	0	0.12	50	50	11	11	50	0	0.04	E
111	SALES	184 SF	2	0	0	169	400	27	64	400	127	0	N
112	DRIVE THRU	56 SF	1	0	0	125	150	20	24	150	39	0	N
113	FOOD PREP	1069 SF	12	0	0	1538	3600	246	576	3600	764	0	N
114	OFFICE	52 SF	1	5	0.06	62	150	10	24	150	0	0.0666	E
TOTAL		3064 SF											

HVAC LOAD SCHEDULE

THE HEATING AND COOLING LOAD CALCULATIONS ARE BASED ON THE CLTD/CLF (COOLING LOAD TEMPERATURE DIFFERENCE/COOLING LOAD FACTOR) METHOD. ASSUMPTIONS AND EXECUTION OF THESE METHODS ARE PER ASHRAE 183-2007...

COOLING LOAD BREAKDOWN												HEATING LOAD BREAKDOWN												
EQUIPMENT MARK	CRDOOF	CWALL	CPART	CGLASS	CSOLAR	CLIGHTS	CEQUIP	CPSENS	CSSENS	CFAN	COAS	CTSSENS	CPLAT	COAL	CTLAT	CTOT	HROOF	HWALL	HPART	HGLASS	HSLAB	HSPACE	HOA	HTOT
RTU-1	2.2	0.7	0	0.4	0.8	7.4	63.1	5.1	80	4.7	13.3	106.4	4.3	17.7	22.4	128.8	4.5	2.5	0	2.3	6.1	15.6	49.7	65.3
RTU-2	1.5	0.5	0	1.4	5.7	5	0	15.4	29.7	3	15.8	94.9	12.9	21	33.7	128.6	3.1	1.8	0	6.7	5.1	16.7	59	75.8
RTU-3	0.9	0.3	0	1.5	9.6	3.2	0	6.6	22.3	2.4	6.8	69.6	5.5	9	14.5	84.1	1.9	1.3	0	7.1	3.8	14.3	25.4	39.7

KITCHEN PRESSURIZATION			
EQUIPMENT	OUTSIDE AIR	EXHAUST AIR	TOTALS
RTU-1	704		704
MAU-1	2022		2022
KEF-1		-2733	-2733
KEF-2		-575	-575
KITCHEN TOTALS	2726	-3308	-582

TOTAL BUILDING PRESSURIZATION			
EQUIPMENT	OUTSIDE AIR	EXHAUST AIR	TOTALS
RTU-1	704		704
RTU-2	836		836
RTU-3	360		360
MAU-1	2022		2022
KEF-1		-2733	-2733
KEF-2		-575	-575
EF-1		-75	-75
EF-2		-75	-75
BUILDING TOTALS	3922	-3458	464

TOTAL BUILDING PRESSURIZATION AT CO2 MINIMUM			
EQUIPMENT	OUTSIDE AIR	EXHAUST AIR	TOTALS
RTU-1	704		704
RTU-2 (CO2 MINIMUM)	375		375
RTU-3	360		360
MAU-1	2022		2022
KEF-1		-2733	-2733
KEF-2		-575	-575
EF-1		-75	-75
EF-2		-75	-75
BUILDING TOTALS	3461	-3458	3

HVAC FANS SCHEDULE

Equipment shall be braced and labeled by the equipment manufacturer to withstand the minimum scheduled available fault current value for listed equipment.

EQUIPMENT MARK	DESCRIPTION	WEIGHT (lbs)	MANUFACTURER	MODEL	VOLTS	PHASE	CFM (cfm)	ESP (in WC)	FLA (amps)	Access	AVAILABLE FAULT CURRENT
EF-1	CEILING MOUNTED VENTILATOR	12	GREENHECK	SP-80-VG	120	1	75	0.3	0.1		1458
EF-2	CEILING MOUNTED VENTILATOR	12	GREENHECK	SP-80-VG	120	1	75	0.3	0.1		1200
KEF-1	CENTRIFUGAL ROOF VENTILATOR	208	CAPTIVEAIRE	DU18HFA	208	3	8.3		8.3	BY OTHERS	914
KEF-2	CENTRIFUGAL ROOF VENTILATOR	120	CAPTIVEAIRE	DU33HFA	120	1	4.3		4.3	BY OTHERS	1240

HVAC DIFFUSERS AND REGISTERS SCHEDULE

TAG	MANUFACTURER	MODEL	FACE	MOUNTING	MATERIAL	FINISH	DAMPER TYPE	BORDER STYLE	REMARKS
RR-1	TITUS	350FL	24"x48"	CEILING	ALUMINUM	STANDARD WHITE	PARALLEL BLADE	LAY IN MOUNTING	REFER TO DRAWINGS FOR DUCT CONNECTION SIZE.
SD-1	TITUS	OMNI-AA	24"x24"	CEILING	ALUMINUM	STANDARD WHITE	OPPOSED BLADE	LAY IN MOUNTING	REFER TO DRAWINGS FOR DUCT CONNECTION SIZE.
SD-2	TITUS	OMNI-AA	12"x12"	CEILING	ALUMINUM	STANDARD WHITE	OPPOSED BLADE	LAY IN MOUNTING	REFER TO DRAWINGS FOR DUCT CONNECTION SIZE.
SD-3	TITUS	PAS-AA	24"x24"	CEILING	ALUMINUM	STANDARD WHITE	(none)	LAY IN MOUNTING	REFER TO DRAWINGS FOR DUCT CONNECTION SIZE.
SR-1	TITUS	S300FL	24"x6"	DUCT	ALUMINUM	BLACK FINISH G.C. TO FIELD PAINT TO MATCH CEILING OR WALLS	SCOOPE DAMPER	SURFACE MOUNT	DIFFUSER SHALL RECEIVE FINISH TO MATCH EXPOSED DUCTWORK. COORDINATE WITH ROY ROGERS REPRESENTATIVE.
TG-1	TITUS	350FL	10"x12"	CEILING	ALUMINUM	STANDARD WHITE	(none)	LAY IN MOUNTING	
TG-2	TITUS	350FL	12"x10"	SIDEWALL	ALUMINUM	STANDARD WHITE	(none)	SURFACE MOUNT	

HVAC AIR COOLED CONDENSING UNIT SCHEDULE

Equipment shall be braced and labeled by the equipment manufacturer to withstand the minimum scheduled available fault current value for listed equipment.

Equipment Mark	DESCRIPTION	LOCATION	STATUS	MANUFACTURER	MODEL	SEER	VOLTS	PHASE	NOMINAL TONS	FLA (amps)	AVAILABLE FAULT CURRENT
CU-1 MAU	AIR COOLED CONDENSING UNIT	MAU-1	BY OTHERS	CAPTIVEAIRE	A1-D.500-15D-MPU	14	208	3	2.5	9.07	963
CU-2 MAU	AIR COOLED CONDENSING UNIT	MAU-1	BY OTHERS	CAPTIVEAIRE	A1-D.500-15D-MPU	14	208	3	2.5	9.07	927

HVAC MAKEUP AIR UNIT SCHEDULE

Equipment shall be braced and labeled by the equipment manufacturer to withstand the minimum scheduled available fault current value for listed equipment.

EQUIPMENT MARK	DESCRIPTION	STATUS	WEIGHT (lbs)	MANUFACTURER	MODEL	VOLTS	PHASE	OACFM (cfm)	GAS HTG IN (mbh)	GAS HTG OUT (mbh)	MIN GAS PRESSURE (in WC)	MAX GAS PRESSURE (in WC)	FLA (amps)	MCA (amps)	OCF (amps)	AVAILABLE FAULT CURRENT
MAU-1	PACKAGED OUTDOOR MAKEUP AIR UNIT	BY OTHERS	1257	CAPTIVEAIRE	A1-D.500-15D-MPU	208	3	375	10.25	13.35	5	14	8.6	12	20	967

HVAC ACCESSORIES

- ACCESSORIES:
- MOTOR DAMPER
 - ECONOMIZER
 - ROOF CURB
 - HAIL GUARDS
 - INTAKE HOOD
 - VIBRATION ISOLATION
 - FLAT FILTER
 - FILTER/MIXING BOX
 - ACCESS DOOR
 - FLEX CONNECTIONS
 - MOUNTING COLLAR
 - HOT GAS BYPASS
 - FACE/BYPASS DAMPER
 - CONDENSATE PUMP
 - MOTOR GUARD
 - GREASE TRAP
 - DUCT FLANGES
 - BASE RAIL
 - HUMIDIFIER
 - CO2 SENSORS
 - ECON POWERED EXHAUST
 - ECON BAROMETRIC RELIEF
 - HOT GAS REHEAT COIL
 - SHAFT GROUNDING BRUSHES

HVAC ROOFTOP UNITS SCHEDULE

Equipment shall be braced and labeled by the equipment manufacturer to withstand the minimum scheduled available fault current value for listed equipment.

EQUIPMENT MARK	DESCRIPTION	WEIGHT (lbs)	MANUFACTURER	MODEL	MIN EER	VOLTS	PHASE	CFM (cfm)	ESP (in WC)	OACFM (cfm)	NOMINAL TONS	CO2 CFM	MAT CLG DB (Deg F)	MAT CLG WB (Deg F)	CLG MBH (mbh)	CLG SENS (mbh)	LAT DB (Deg F)	LAT CLG WB (Deg F)	HTG MBH (mbh)	GAS HTG IN (mbh)	GAS HTG OUT (mbh)	MIN GAS PRESSURE (in WC)	MAX GAS PRESSURE (in WC)	MCA (amps)	OCF (amps)	AVAILABLE FAULT CURRENT	ACCESSORIES
RTU-1	PACKAGED OUTDOOR ROOFTOP UNIT	1598	CARRIER	48HCCE11A3M5	12	208	3	4400	0.8	704	10	79	79	67	129	106	55	54	67	224	184	4.5	13.5	61	70	4932	2.3,4,10,21,23
RTU-2	PACKAGED OUTDOOR ROOFTOP UNIT	1598	CARRIER	48HCCE11A3M5	12	208	3	3800	0.6	836	10	80	67	129	95	55	54	102	224	184	4.5	13.5	61	70	4023	2.3,4,10,20,21,23	
RTU-3	PACKAGED OUTDOOR ROOFTOP UNIT	1401	CARRIER	48HCDE08A2M5	12	208	3	3000	0.6	360	7.5	78	66	84	70	55	54	64	125	103	4.5	13.5	45	50	2540	2.3,4,10,21,23	

NOTE: PROVIDE RTUS WITH DUAL ENTHALPY ECONOMIZERS, TWO STAGE SUPPLY FANS, AND TWO STAGES OF HEATING AND COOLING.

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Revisions:

Mark	Date	By	Description
	06/07/22		
	8/16/2022		

BID/PERMIT

8/16/2022

Updates

Roy Rogers

CLEVELS, OH

151 COOPER RD.
CLEVELS, OH 45002

PROJECT # 24035.00
DATE ISSUED 06/07/2022

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Revisions:

Mark	Date	By	Description
06/07/22			
BID/PERMIT			
8/16/2022			
HOOD UPDATES			

Roy Rogers

Roy Rogers r1 (Clevel,OH)
 CLEVELS, OH, 45002

REVISIONS

NO.	DESCRIPTION	DATE

HOOD INFORMATION - JOB#5320775

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)				MUA CFM	AC CFM	HOOD CONSTRUCTION	HOOD CONFIG	
										WIDTH	LENG	HEIGHT	DIA				CFM	VEL
1	HD1-Grill	5424 ND-2-ACPSP-F	CAPTIVEAIRE	13' 8"	600 DEG	I	HEAVY	185	2528						430 SS WHERE EXPOSED	ALONE	ALONE	
2	HD2-Fry	3650 BD-2	CAPTIVEAIRE	3' 0"	600 DEG	I	HEAVY	192	575						430 SS WHERE EXPOSED	ALONE	ALONE	

PATENT NUMBERS
 AC-PSP (UNITED STATES) - US PATENT 7969830 B2.
 AC-PSP WALL (CANADA) - CA PATENT 2820509.
 AC-PSP ISLAND (CANADA) - CA PATENT 2520330.

HOOD INFORMATION

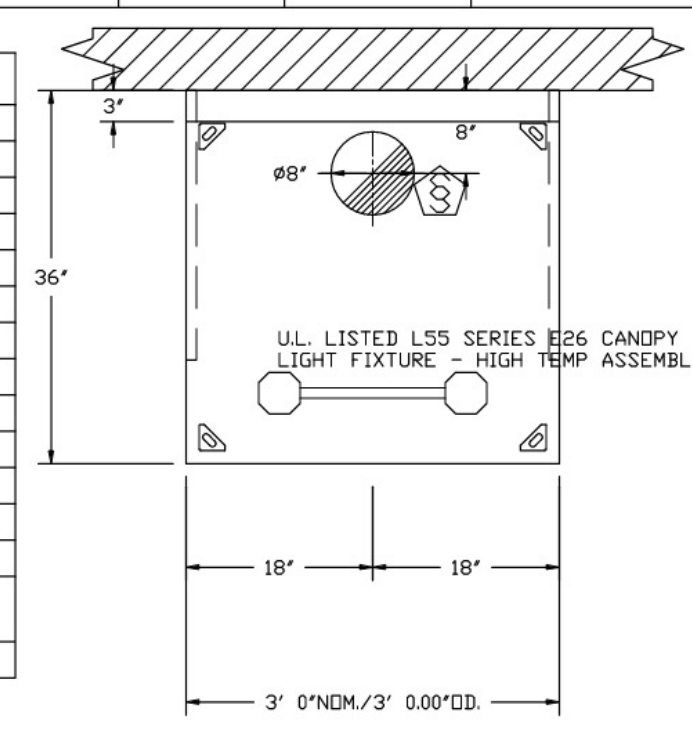
HOOD NO	TAG	FILTER(S)				LIGHT(S)				UTILITY CABINET(S)		ELECTRICAL	SWITCHES	FIRE SYSTEM	HOOD HANGING WEIGHT		
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE					TYPE	SIZE
1	HD1-Grill	CAPTRATE SOLD FILTER	10	16"	16"	85% SEE FILTER SPEC	5	L55 SERIES E26	NO	RIGHT	12"x54"x24"	TANK FS	4.0/4.0/4.0	DCV-2122	2 LIGHT 2 FAN	YES	1210 LBS
2	HD2-Fry	CAPTRATE SOLD FILTER	2	16"	16"	85% SEE FILTER SPEC	2	L55 SERIES E26	NO							YES	201 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	HD1-Grill	FIELD WRAPPER 5.00' HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 108.00" HIGH X 18.00" LONG 430 SS VERTICAL.
		BACKSPLASH 80.00" HIGH X 176.00" LONG 430 SS VERTICAL.
		INSULATION FOR BACK OF HOOD.
2	HD2-Fry	FIELD WRAPPER 22.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 61.00" HIGH X 36.00" LONG 430 SS VERTICAL.
		BACKSPLASH - OUTSIDE CORNER 61.00" HIGH X 2.00" LEG LENGTH 430 SS VERTICAL.
		INSULATION FOR BACK OF HOOD.

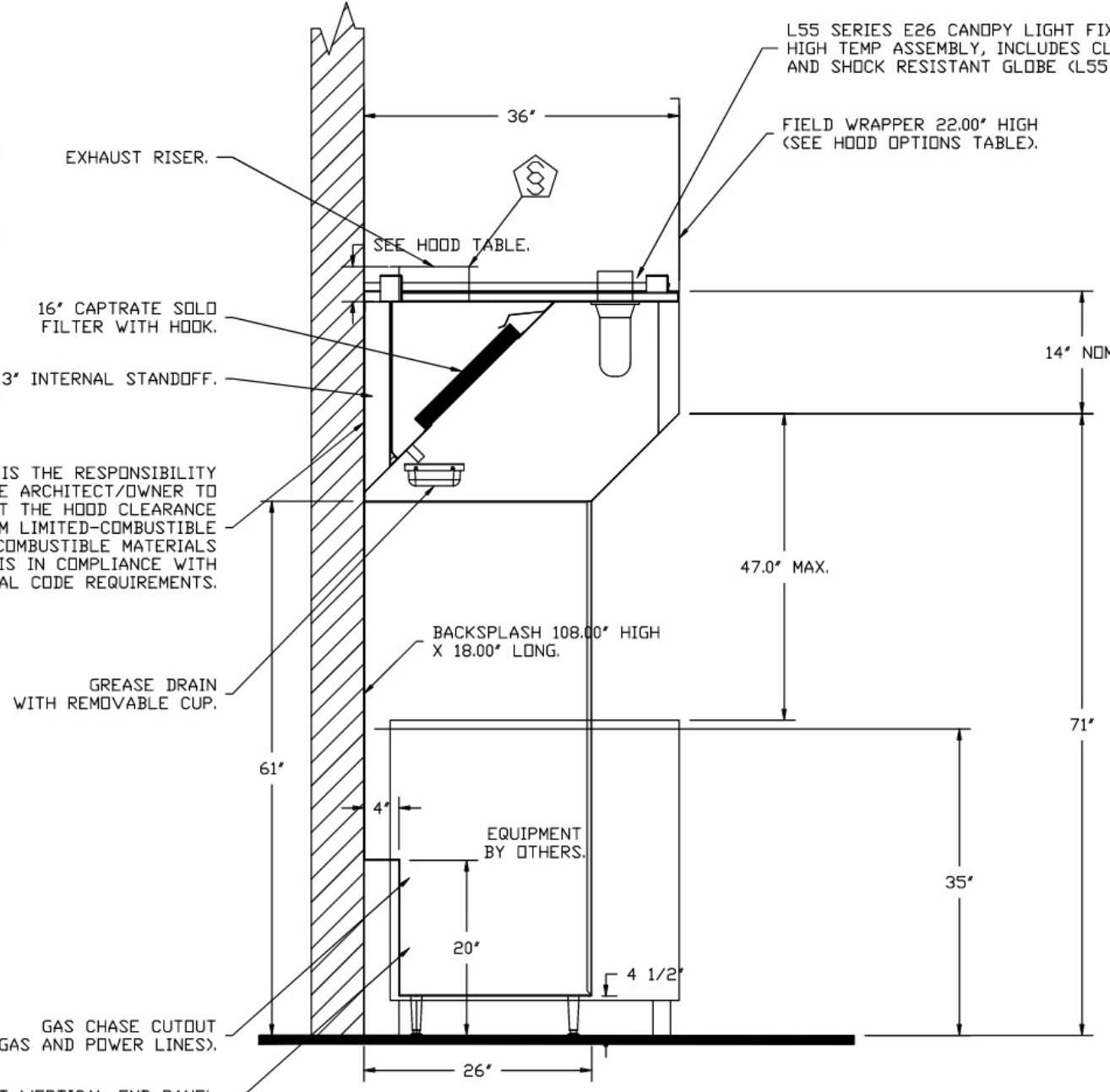
PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)					
							WIDTH	LENG	DIA	CFM	SP	
1	HD1-Grill	Front	176'	24'	6'		MUA	10"	28"		674	0.178"
							MUA	10"	28"		674	0.178"
							AC	8"	16"		349	0.100"
							AC	8"	16"		349	0.100"

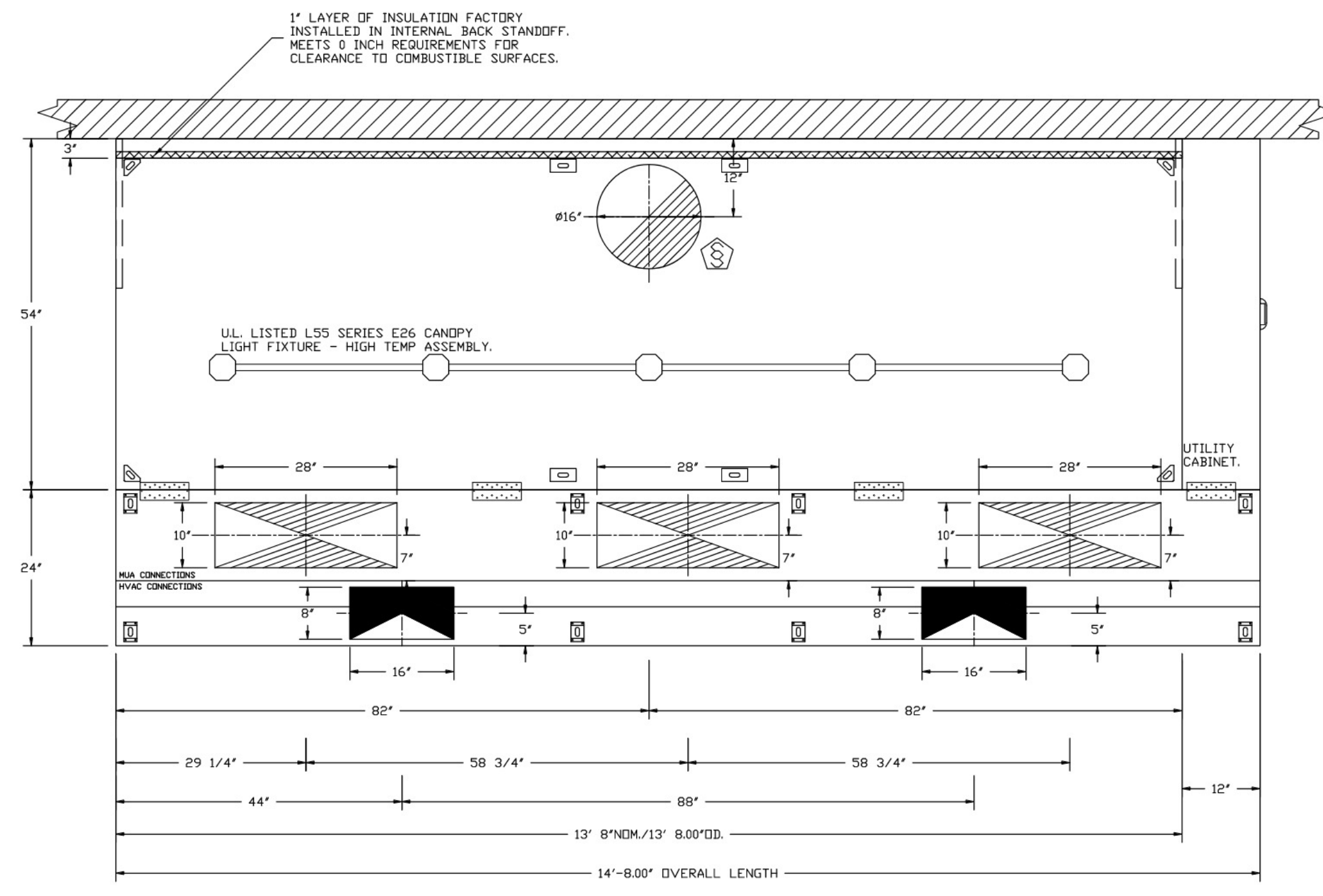


PLAN VIEW - HOOD #2 (HD2-Fry)
 3' 0.00" LONG 3650BD-2

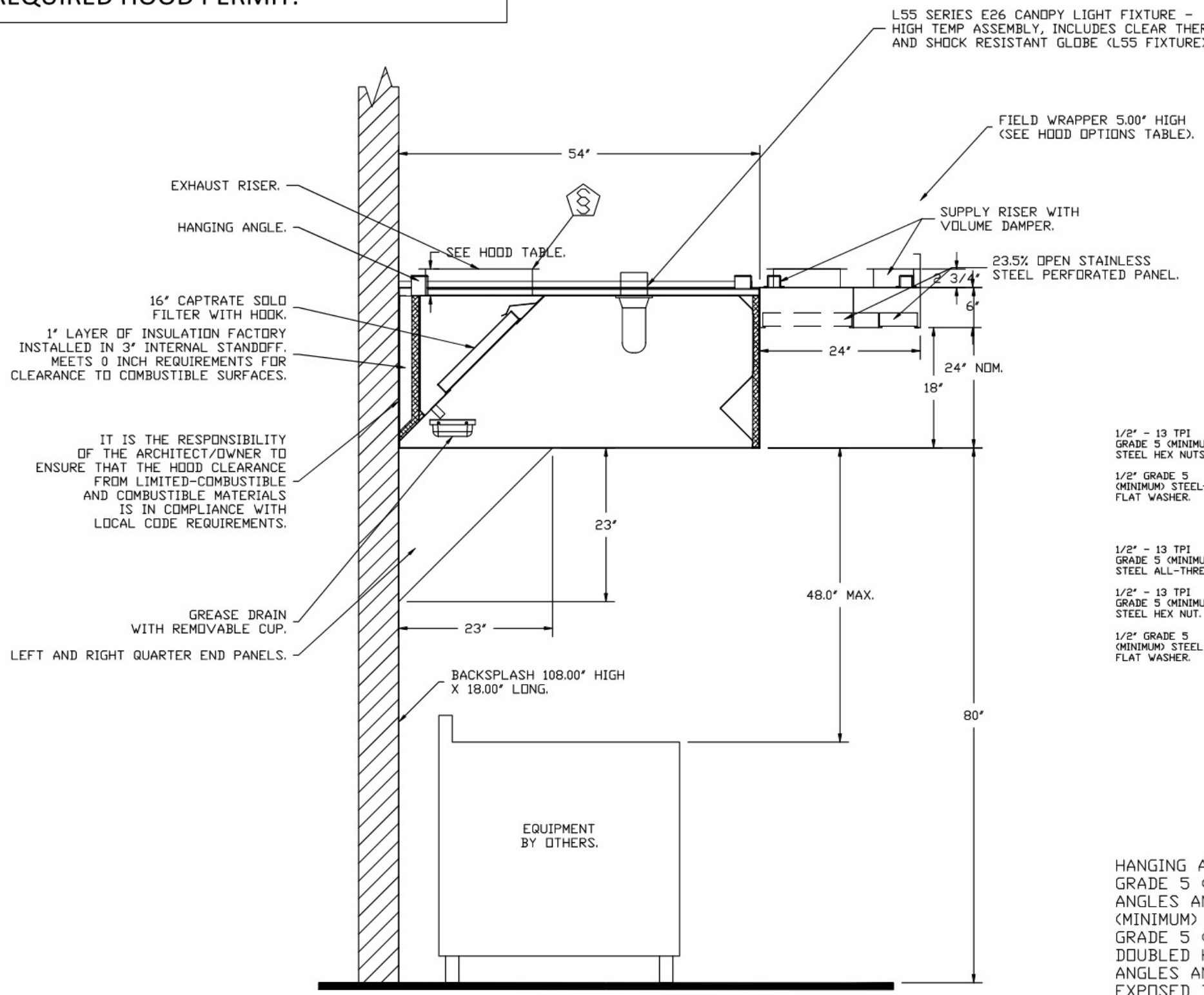
HOODS, FANS, CONTROLS, WALL STAINLESS, & FIRE SYSTEM SUPPLIED BY FOODSERVICE CONTRACTOR. MECHANICAL (HVAC) CONTRACTOR TO SUPPLY ALL DUCTWORK & INSTALL SYSTEM AS PROVIDED WITH ANY REQUIRED HOOD PERMIT.



SECTION VIEW - MODEL 3650BD-2
 HOOD - #2 (HD2-Fry)



PLAN VIEW - HOOD #1 (HD1-Grill)
 13' 8.00" LONG 5424ND-2-ACPSP-F
 NOTE: ADDITIONAL HANGING ANGLES PROVIDED FOR HOODS 12" AND LONGER.
 ACPSP SHIPS LOOSE FOR FIELD INSTALLATION



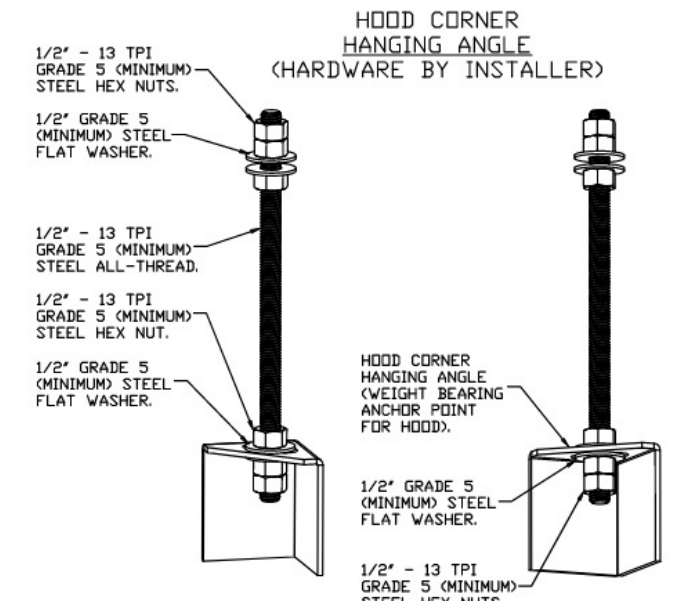
SECTION VIEW - MODEL 5424ND-2-ACPSP-F
 HOOD - #1 (HD1-Grill)

L55 SERIES E26 CANDY LIGHT FIXTURE - HIGH TEMP ASSEMBLY, INCLUDES CLEAR THERMAL AND SHOCK RESISTANT GLOBE (L55 FIXTURE).

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH UL 710 AND NFPA 96 AND ARE RECOGNIZED BY ONE OR MORE OF THE FOLLOWING:

ETL SANITATION LISTED
 ETL LISTED FILE# 3054804-001

HOOD SYSTEM IS FABRICATED & DESIGNED PER UL-710 STANDARDS



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.

CAPTIVEAIRE

Air Solutions
 1329 East Kemper Rd., Ste. 4210, Cincinnati, OH, 45246 PHONE: (513) 860-5555 EMAIL: reg.120@captiveaire.com

DATE: 8/11/2022
 DWG.#: 5320775
 DRAWN BY: Jcjr/lli
 SCALE: 3/4" = 1'-0"
 MASTER DRAWING

SHEET NO.
 1

CLEVELS, OH
 151 COOPER RD.
 CLEVELS, OH 45002

PROJECT # 24035.00
 DATE ISSUED 06/07/2022

MECHANICAL
 DETAILS

M104

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Revisions:

Mark	Date	By	Description
	06/07/22		
	BID/PERMIT		
△	8/16/2022		
	Hood Updates		
△			
△			

Roy Rogers

Roy Rogers r1 (Clevel,OH)
 CLEVELS, OH, 45002

DATE: 8/11/2022
 DWG.#: 5320775
 DRAWN BY: Jcirilli
 SCALE: 3/4" = 1'-0"
 MASTER DRAWING

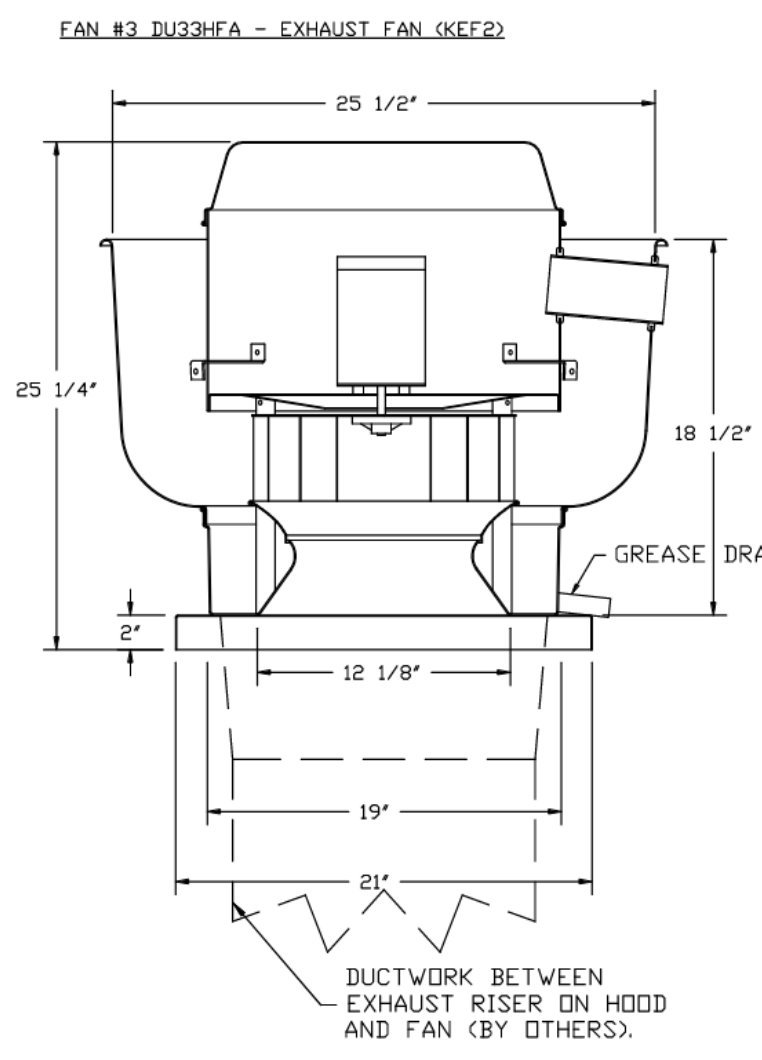
SHEET NO. 2

EXHAUST FAN INFORMATION - JOB#5320775

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	KEF 2	1	DJ180HFA	CAPTIVEAIRE	2733	1.350	1229	DDP,PREMIUM	2.000	1.2880	3	208	8.3	631 FPM	200	17.5378319227391
3	KEF2	1	DJ33HFA	CAPTIVEAIRE	575	1.000	1584	TEAD-ECM	0.333	0.2400	1	115	4.3	285 FPM	75	17.4166191586207

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	KEF 2	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	EXHAUST FAN HEAT BAFFLE
		1	UNIT MOUNTED VFD FOR USE WITH ECPM03
		1	VFD MOUNTING BRACKET FOR DU/DR 180 - 200
2	KMUA	1	2 YEAR PARTS WARRANTY
		1	INLET PRESSURE GAUGE, 0-35"
		1	MANIFOLD PRESSURE GAUGE, -5 TO 15" WC
		1	LOW FIRE START
		1	MOTORIZED BACKDRAFT DAMPER FOR AI-D HOUSING - MEETS AMCA CLASS 1A RATING
3	KEF2	1	5 TON 2 CIRCUIT (2.5/2.5) MODULAR PACKAGED COOLING OPTION FOR SIZE 1 DF/EH MUA (1,800 TO 3,000 CFM), 208V/230V, 3 PHASE. COOLING THERMOSTAT OR PROGRAMMABLE STAT REQUIRED FOR PROPER OPERATION
		1	DOWNTURN PLENUM FOR SIZE 1 DX COIL MODULE
		1	SIZE 1 COOLING COIL MOISTURE ELIMINATOR OPTION - ALLOWS COOLING COIL FACE VELOCITY TO INCREASE TO 650 FPM - INCREASES COOLING COIL MAX CFM TO 3650 CFM
		1	UNIT MOUNTED VFD FOR USE WITH ECPM03
		1	2 YEAR PARTS WARRANTY



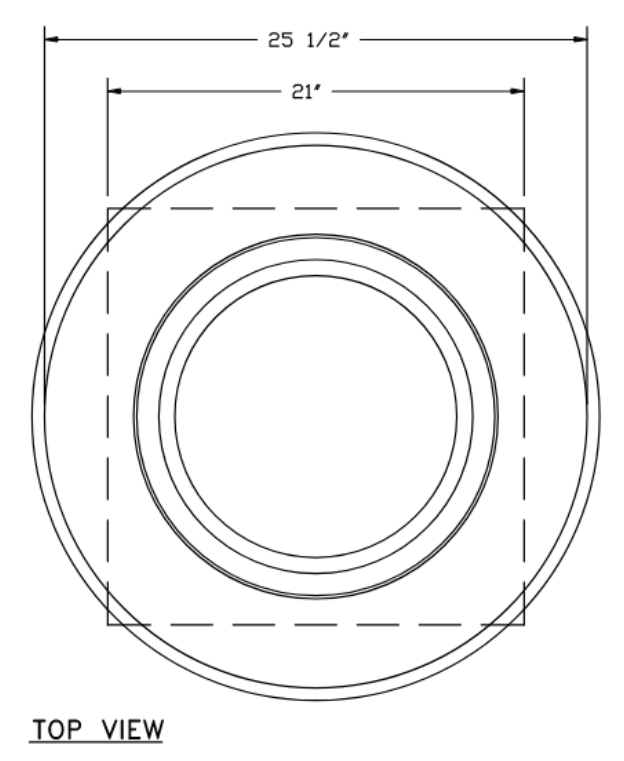
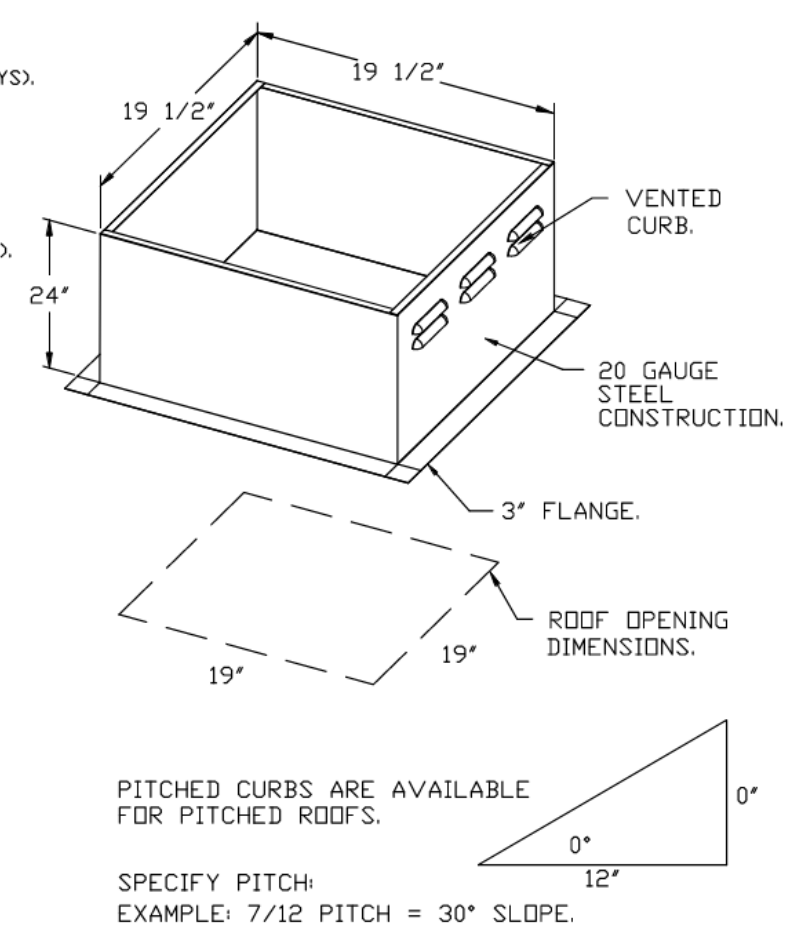
FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-5645
- VARIABLE SPEED CONTRL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

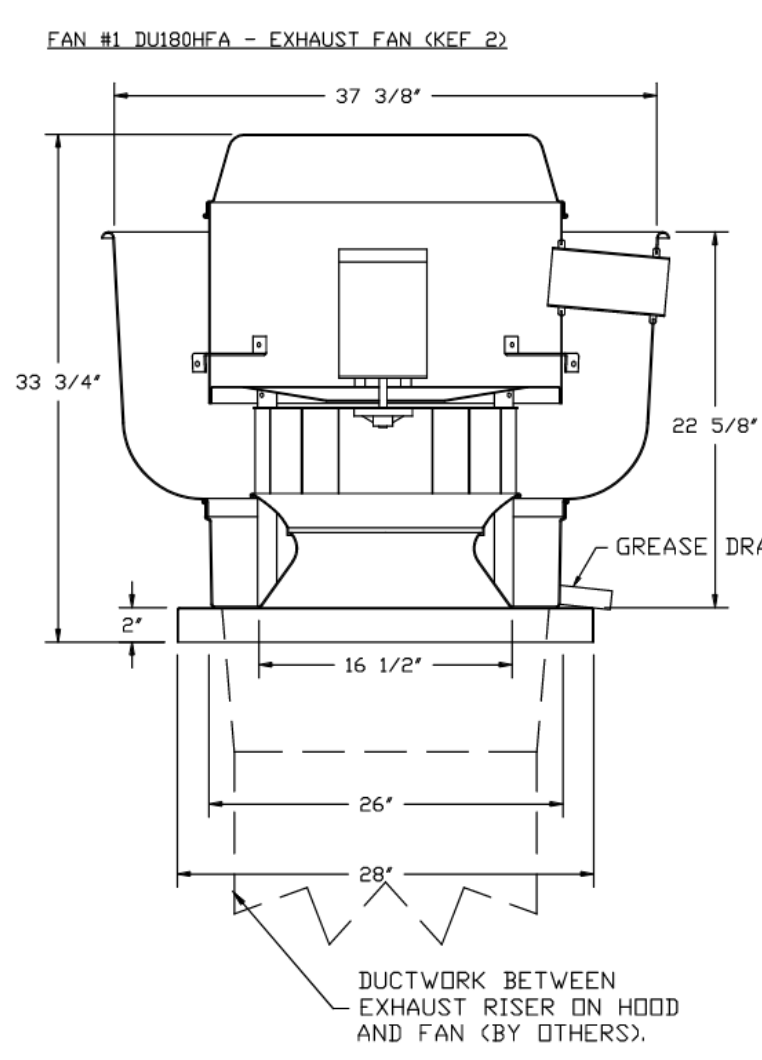
NORMAL TEMPERATURE TEST
 EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

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

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



HOODS, FANS, CONTROLS, WALL STAINLESS, & FIRE SYSTEM SUPPLIED BY FOODSERVICE CONTRACTOR. MECHANICAL (HVAC) CONTRACTOR TO SUPPLY ALL DUCTWORK & INSTALL SYSTEM AS PROVIDED WITH ANY REQUIRED HOOD PERMIT.



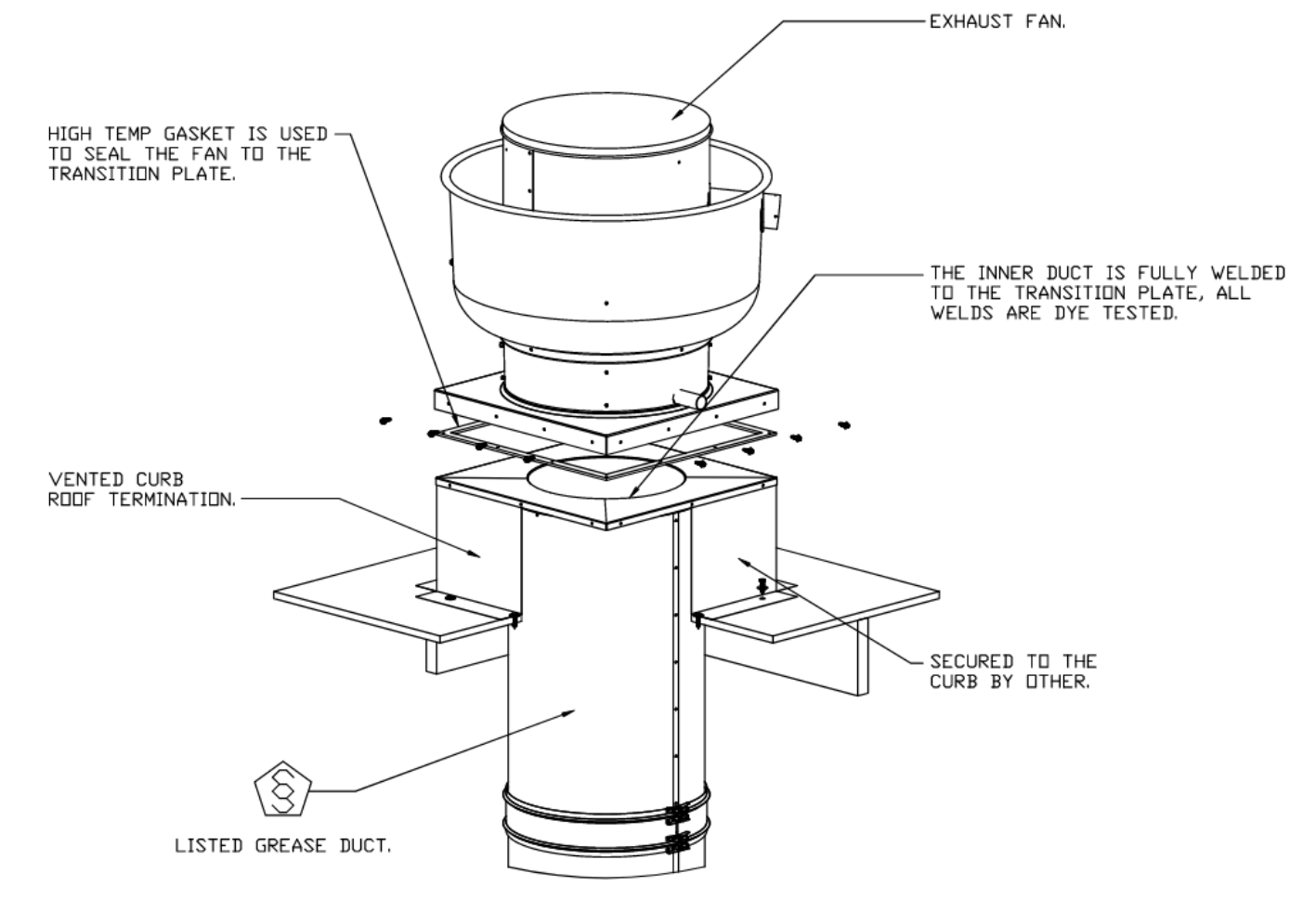
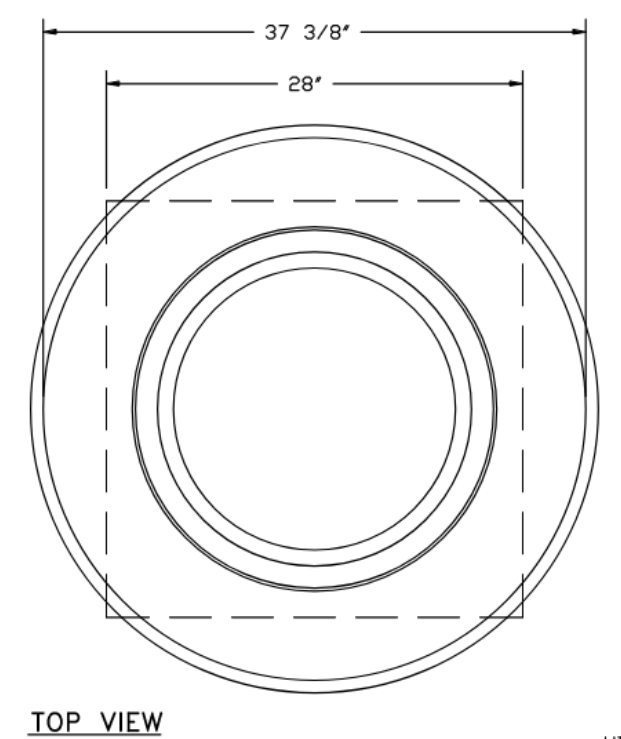
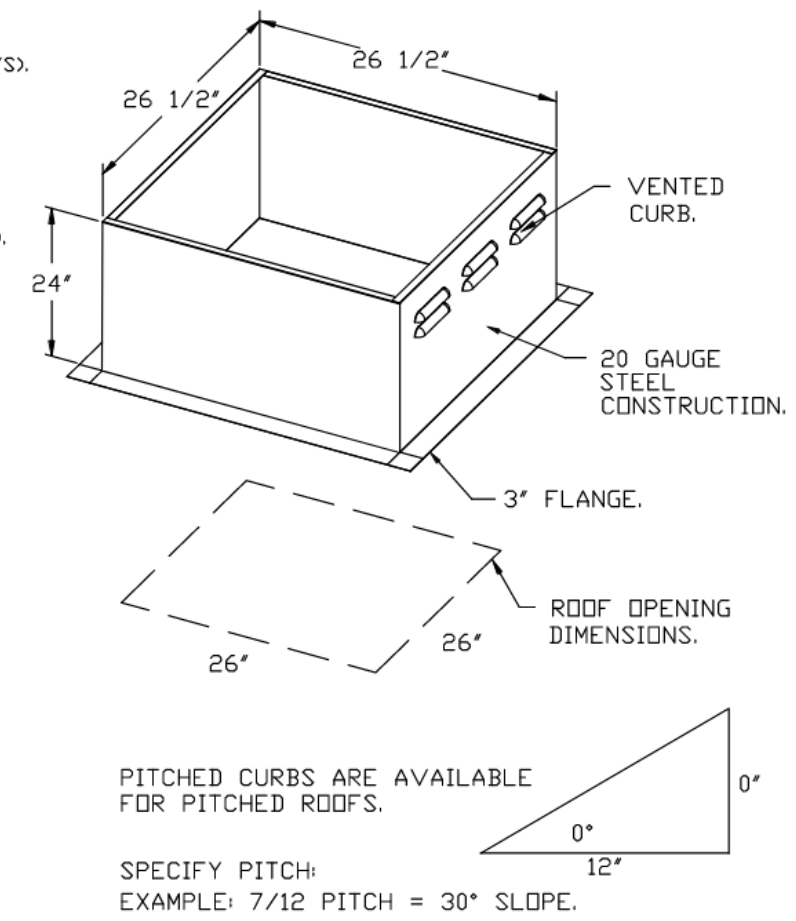
FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-5645
- VARIABLE SPEED CONTRL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

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

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

OPTIONS
 GREASE BOX.
 FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS.
 EXHAUST FAN HEAT BAFFLE.
 UNIT MOUNTED VFD FOR USE WITH ECPM03.
 VFD MOUNTING BRACKET FOR DU/DR 180 - 200.
 2 YEAR PARTS WARRANTY.



FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST				SUPPLY		
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	KEF 2	YES						
2	KMUA						YES	
3	KEF2	YES						

CURB ASSEMBLIES

NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	KEF 2	38 LBS	CURB	26.500"W X 26.500"L X 24.000"H ALONG LENGTH, RIGHT VENTED HINGED.
2	# 2		83 LBS	RAIL	6.000"W X 21.000"L X 16.000"H RIGHT.
2	# 2	KMUA	83 LBS	CURB	21.000"W X 71.000"L X 16.000"H ALONG WIDTH, RIGHT INSULATED.
3	# 3	KEF2	30 LBS	CURB	19.500"W X 19.500"L X 24.000"H ALONG LENGTH, RIGHT VENTED.

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Revisions:

Mark	Date	By	Description
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Roy Rogers

CLEVELS, OH
 151 COOPER RD.
 CLEVELS, OH 45002

PROJECT # 24035.00
 DATE ISSUED 06-07-2022

MECHANICAL DETAILS

M106

CONDENSER DETAILS

FAN UNIT NO	TAG	FAN UNIT MODEL #	CONDENSER NO	TONNAGE	VOLTAGE	PHASE	FREQUENCY	MCA	RLA	MAX FUSE SIZE	MIN WIRE SIZE	SEER
2	KMUA	A1-D.500-1SD-MPU	1	2.5	208-230	3 PHASE	60 HZ	11.2 AMPS	9.07 AMPS	20 AMPS	14 AWG	14
			2	2.5	208-230	3 PHASE	60 HZ	11.2 AMPS	9.07 AMPS	20 AMPS	14 AWG	14

MUA FAN INFORMATION - JOB#5320775

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL.	HP	BHP	PHASE	VOLT	FLA	MCA	MDCP	WEIGHT (LBS)	SONES
2	KMUA	1	A1-D.500-1SD-MPU	1SMF-1-MDD	A1-D.500	1800	2022	0.500	2295	ODP, PREMIUM	3.000	1.8350	3	208	8.6	12A	20A	1174	25.1537308541508

COILS - JOB#5320775

FAN UNIT NO	TAG	COIL TYPE	DESIGN CFM	COOLING												
				ENTERING DB TEMP	ENTERING WB TEMP	LEAVING DB TEMP	LEAVING WB TEMP	ENTERING FLUID TEMP	LEAVING FLUID TEMP	FLUID FLOW RATE	PERCENT GLYCOL	TOTAL CAPACITY	SENSIBLE CAPACITY	LATENT CAPACITY		
2	KMUA	DX	2022	89.0°F	74.0°F	72.7°F	66.6°F	---	---	---	---	---	---	53.5 MBH	34.0 MBH	19.5 MBH

HEATING

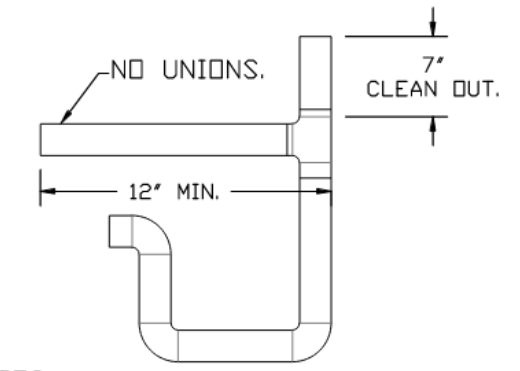
ENTERING DB TEMP	LEAVING DB TEMP	ENTERING FLUID TEMP	LEAVING FLUID TEMP	FLUID FLOW RATE	PERCENT GLYCOL	STEAM PRESSURE	TOTAL CAPACITY	SENSIBLE CAPACITY
---	---	---	---	---	---	---	---	---

GAS FIRED MAKE-UP AIR UNIT(S)

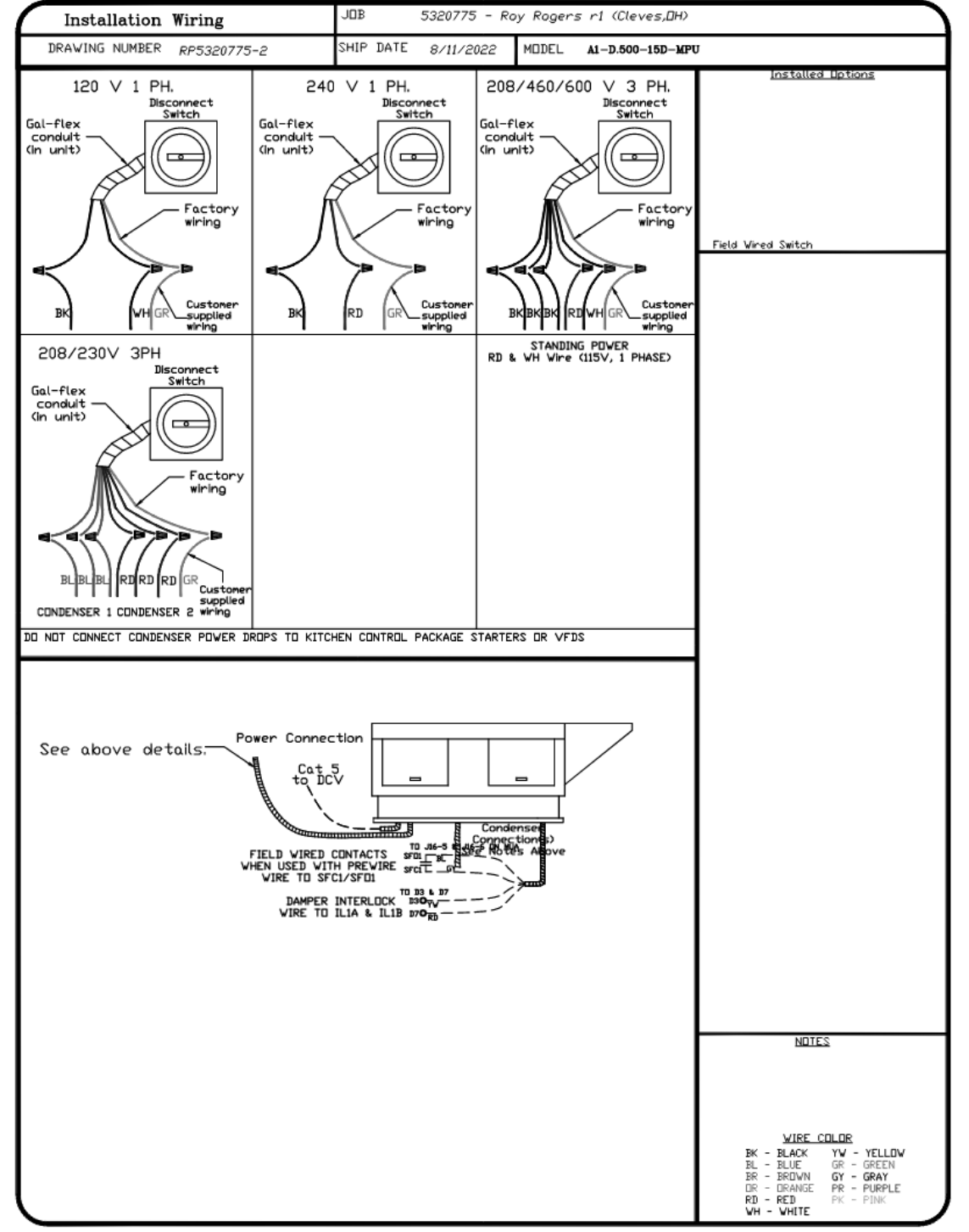
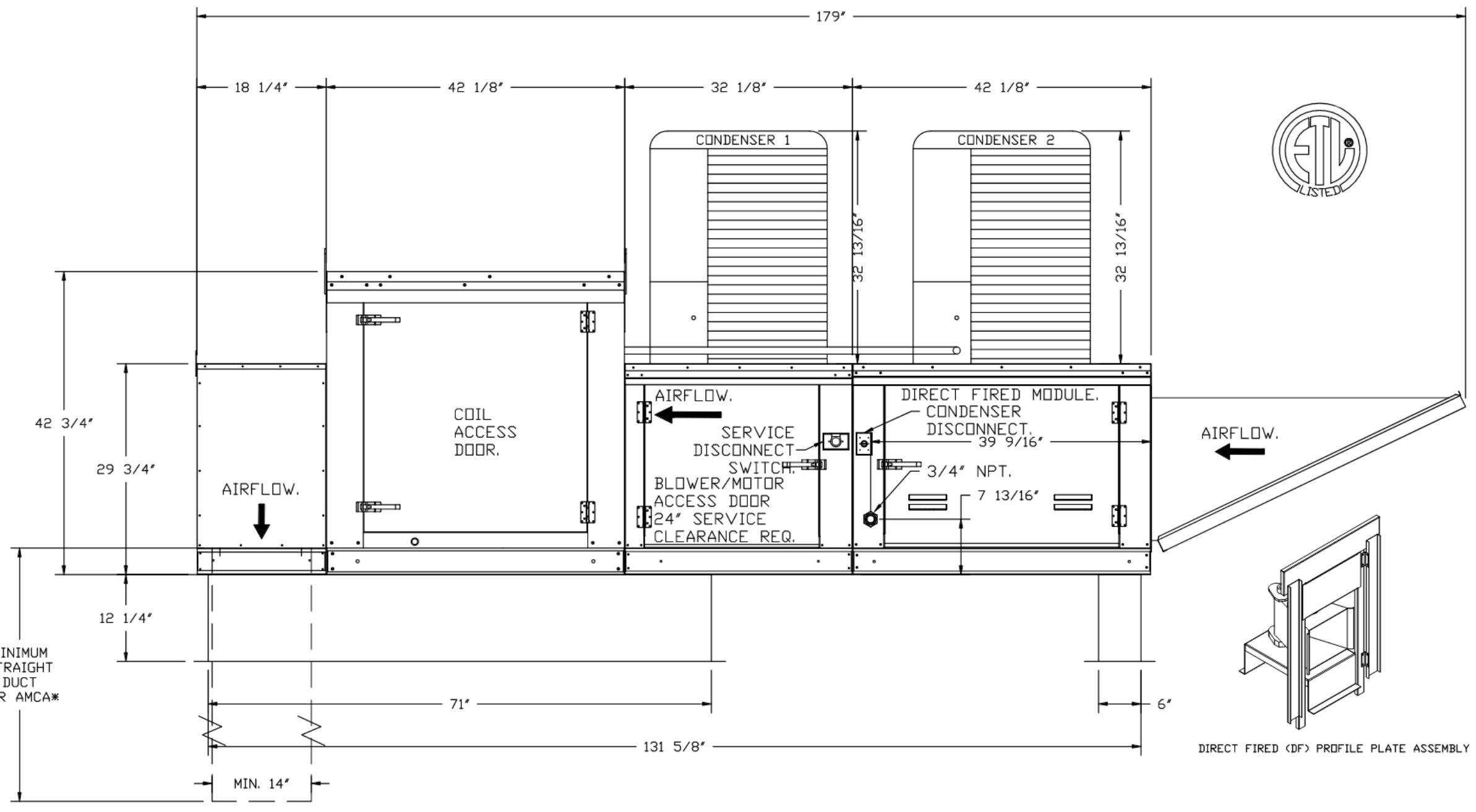
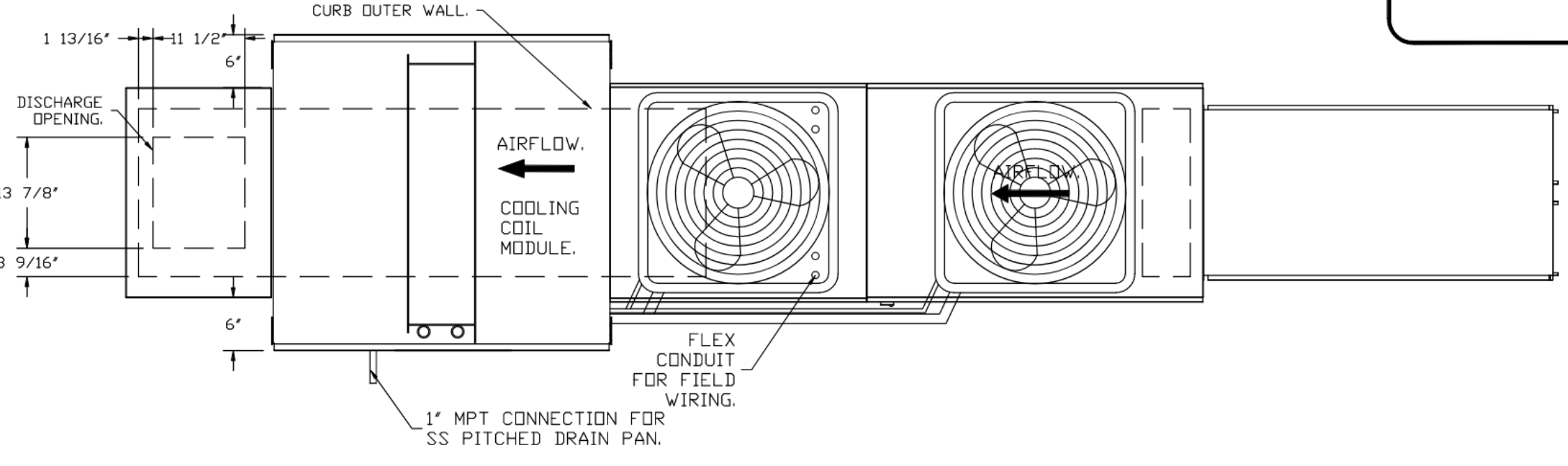
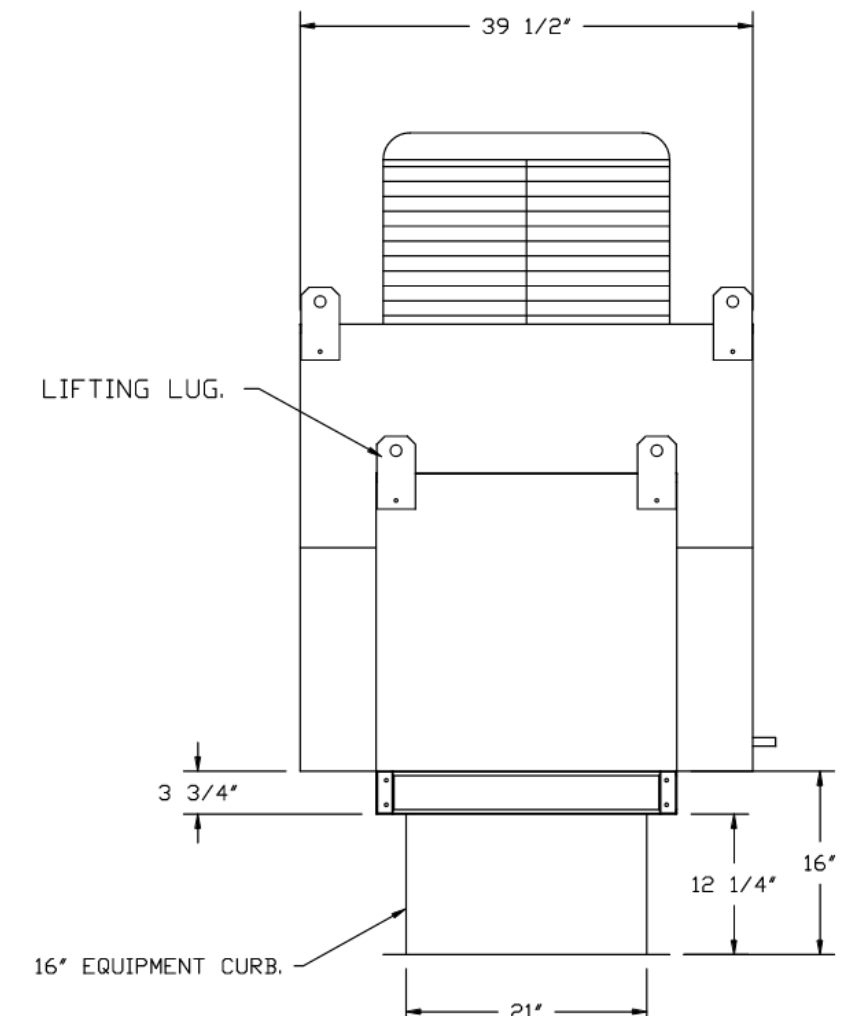
FAN UNIT NO	TAG	INPUT BTUS	OUTPUT BTUS	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
2	KMUA	148255	136395	65°F	7 IN. W.C. - 14 IN. W.C.	NATURAL	92

HOODS, FANS, CONTROLS, WALL STAINLESS, & FIRE SYSTEM SUPPLIED BY FOODSERVICE CONTRACTOR. MECHANICAL (HVAC) CONTRACTOR TO SUPPLY ALL DUCTWORK & INSTALL SYSTEM AS PROVIDED WITH ANY REQUIRED HOOD PERMIT.

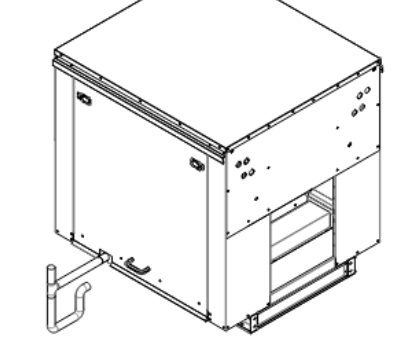
SUPPLY SIDE HEATER INFORMATION
 WINTER TEMPERATURE = 10°F. TEMP. RISE = 65°F.
 BTUS CALCULATED OFF ACTUAL AIR DENSITY.
 OUTPUT BTUS AT ALTITUDE OF 0.0 FT. = 140412.
 INPUT BTUS AT ALTITUDE OF 0.0 FT. = 152622.
 OUTPUT BTUS AT ALTITUDE OF 801 FT. = 126295.
 INPUT BTUS AT ALTITUDE OF 801 FT. = 148255.
RECOMMENDED COOLING COIL DRAIN TRAP CONFIGURATION.



NOTES:
 1) 1" DIAMETER PVC PIPE ONLY.
 2) USE ONLY LOW PROFILE COUPLINGS.
 3) ADD CLEAN OUT AS SHOWN.



TYPICAL DRAIN TRAP INSTALL

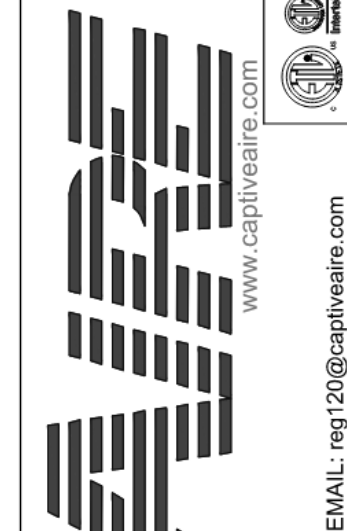


- FAN #2 A1-D500-1SD-MPU - HEATER (KMUA)
- DIRECT GAS FIRED HEATED MAKE UP AIR UNIT WITH 15" MIXED FLOW DIRECT DRIVE FAN.
 - INTAKE HOOD WITH E2 FILTERS.
 - DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT.
 - GAS PRESSURE GAUGE, 0-35", 2.5" DIAMETER, 1/4" THREAD SIZE.
 - GAS PRESSURE GAUGE, -5 TO +15 INCHES VC, 2.5" DIAMETER, 1/4" THREAD SIZE.
 - LOW FIRE START. ALLOWS THE BURNER CIRCUIT TO ENERGIZE WHEN THE MODULATION CONTROL IS IN A LOW FIRE POSITION.
 - MOTORIZED BACK DRAFT DAMPER 16" X 18" FOR SIZE 1 STANDARD & MODULAR HEATER UNITS W/EXTENDED SHIRT. STANDARD GALVANIZED CONSTRUCTION, 3/4" REAR FLANGE, LOW LEAKAGE, TFB20S ACTUATOR INCLUDED.
 - 5 TON, DUAL CIRCUIT (2S/2S) MODULAR PACKAGED COOLING OPTION FOR SIZE 1 DF/EH MODULAR PACKAGED UNIT. INCLUDES CONDENSER, DX COIL, FILTER/DRYER KIT, THERMAL EXPANSION VALVE, RA10R REFRIGERANT, AND REFRIGERANT PIPING (1800 TO 3,000 CFM) WHEN ORDERED WITH OPPOSITE AIRFLOW CONDENSERS ACCESS AND COIL PIPING WILL REMAIN IN STANDARD POSITION. DRAIN AND SLEDS WILL MOVE TO THE OPPOSITE SIDE. ANY OTHER CHANGE WILL REQUIRE CLL CONDENSERS REQUIRE SEPARATE 208V, 3 PHASE POWER SUPPLY UNLESS ORDERED WITH SINGLE POINT CONNECTION. COIL = 2Z20909ME.
 - SIZE 1 MOISTURE ELIMINATOR OPTION FOR DX COILS, MIPUS AND CHILLED WATER COILS - ALLOWS COOLING COIL FACE VELOCITY TO INCREASE TO 650 FPM. INCREASES COOLING COIL MAX CFM TO 3650 CFM.
 - UNIT MOUNTED VFD FOR USE WITH ECPM03.
 - HINGED DOUBLE WALL INSULATED DOOR ASSEMBLY (BURNER/BLOWER/MPU SECTION).
 - 2 YEAR PARTS WARRANTY.

NOTES: 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 14" X 14".

REVISIONS

DESCRIPTION	DATE



ROY ROGERS
 Air Solutions
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Roy Rogers r1 (ClevelS,OH)
 CLEVELS, OH, 45002

DATE: 8/11/2022
 DWG #: 5320775
 DRAWN BY: Jcirlilli
 SCALE: 3/4" = 1'-0"
 MASTER DRAWING
 SHEET NO. 3

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Roy Rogers

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CLEVELS, OH 45002

PROJECT # 24035.00
DATE ISSUED 06/07/2022

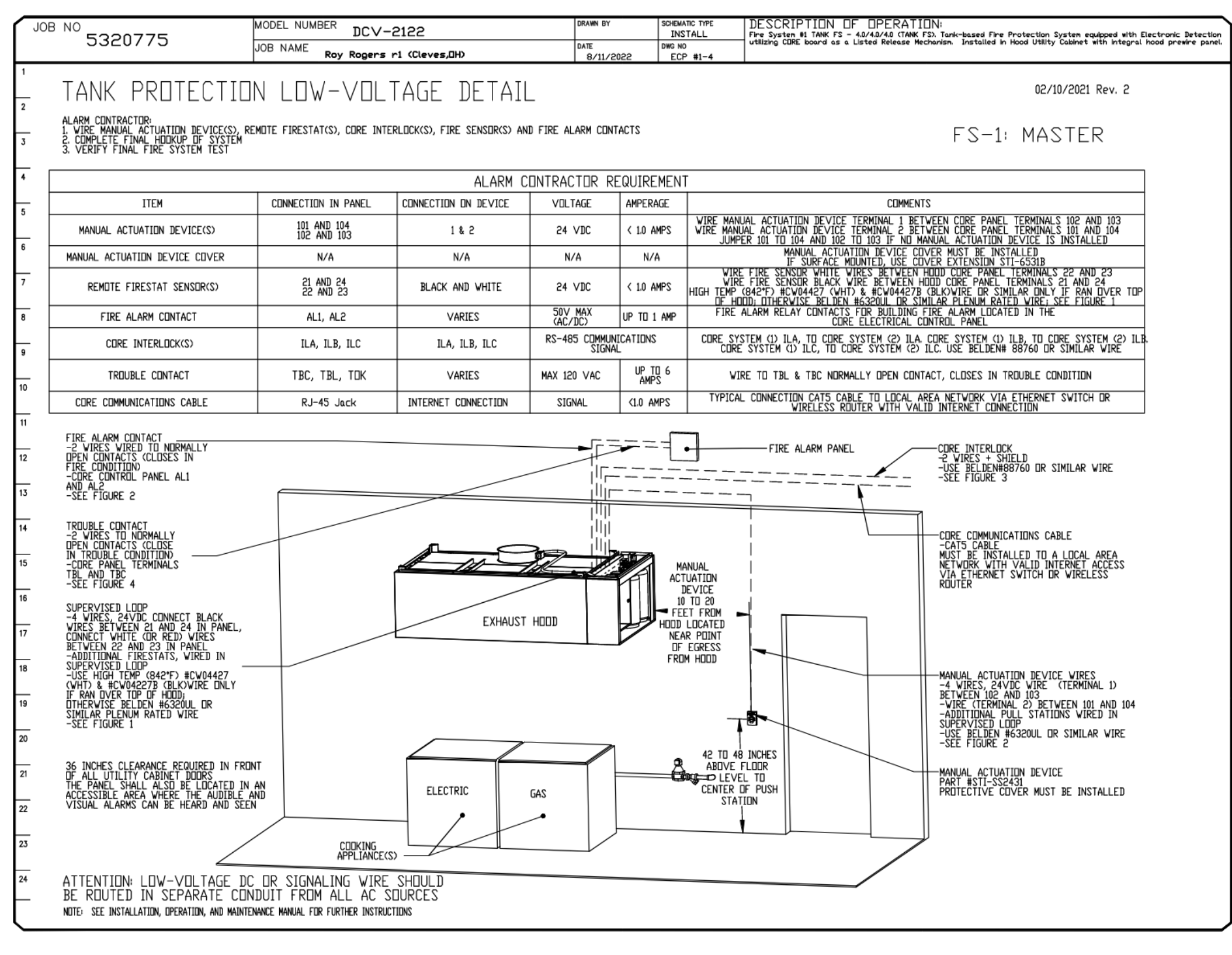
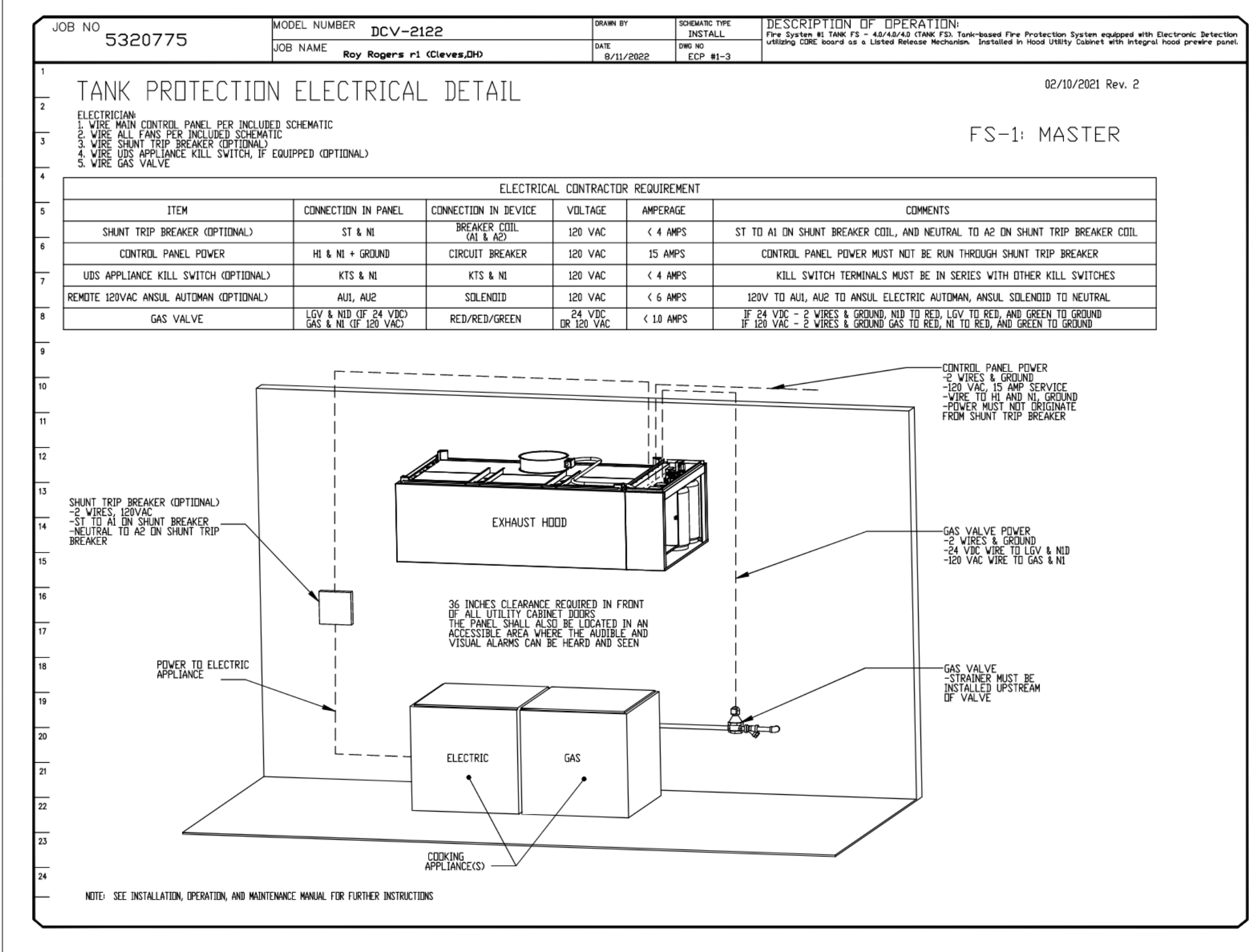
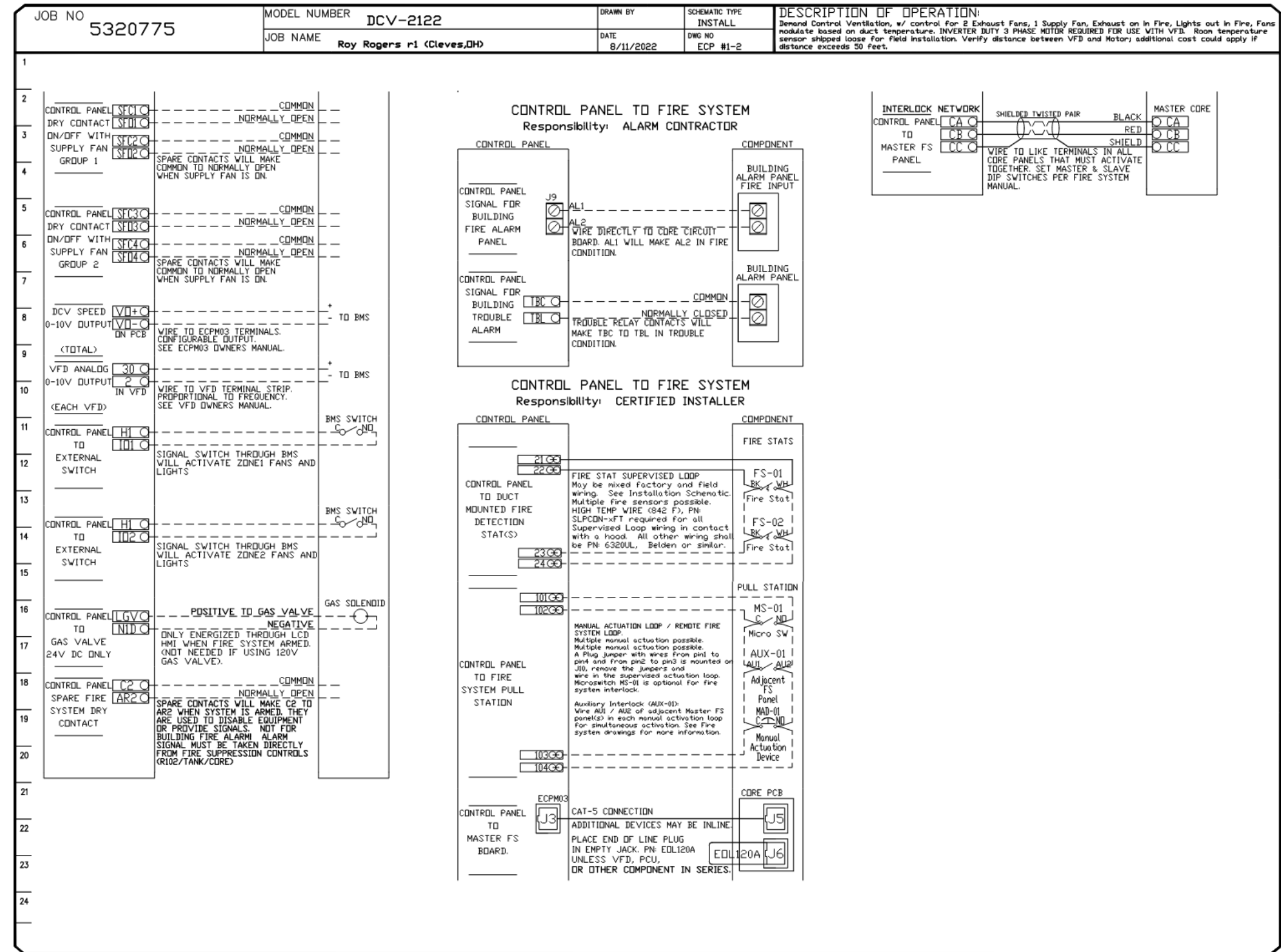
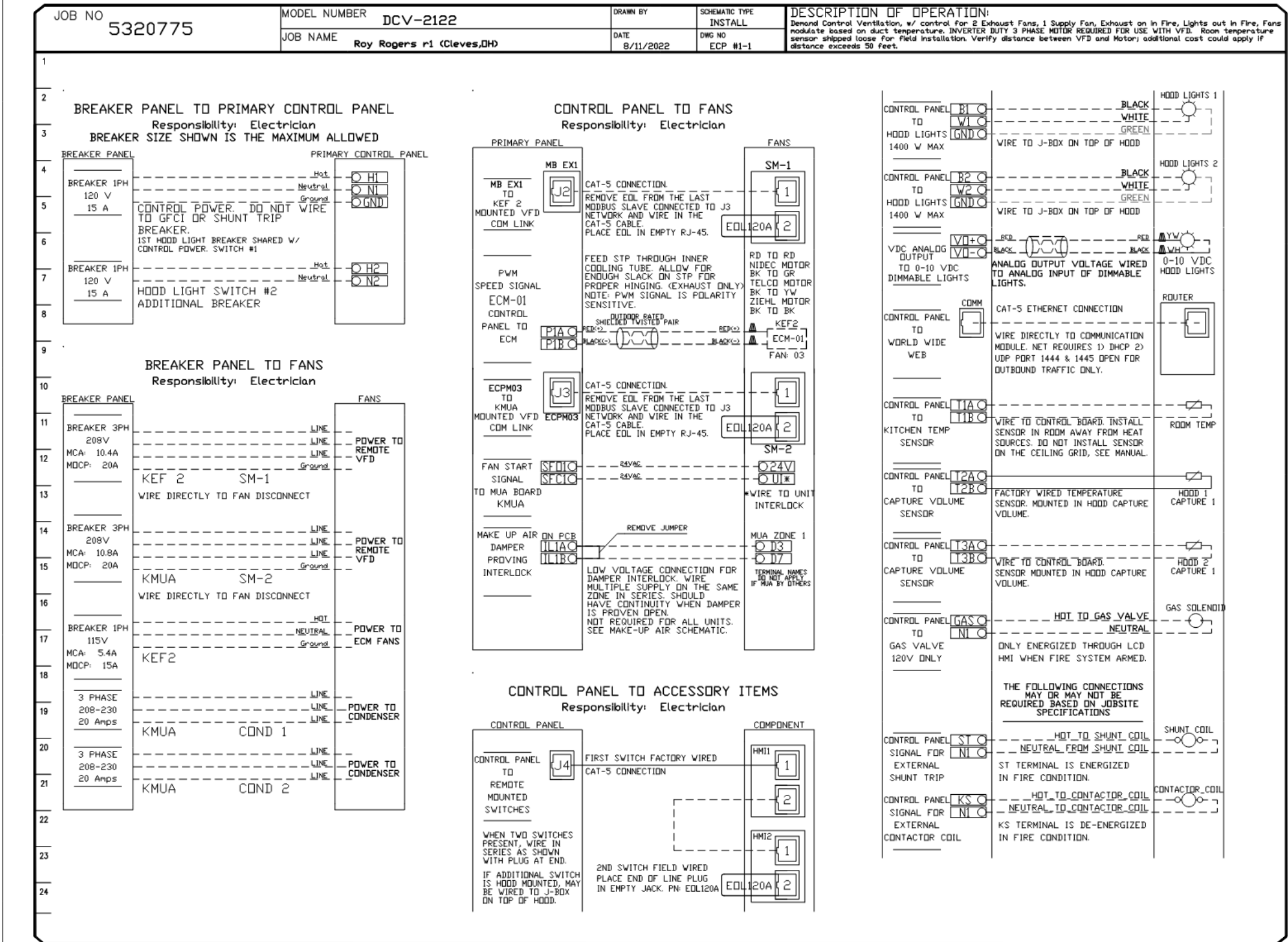
MECHANICAL DETAILS

M107

HOODS, FANS, CONTROLS, WALL STAINLESS, & FIRE SYSTEM SUPPLIED BY FOODSERVICE CONTRACTOR. MECHANICAL (HVAC) CONTRACTOR TO SUPPLY ALL DUCTWORK & INSTALL SYSTEM AS PROVIDED WITH ANY REQUIRED HOOD PERMIT.

ELECTRICAL PACKAGE - JOB#5320775

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	HP	VOLTS	FLA	
1	ECP 1	DCV-2122	UTILITY CABINET RIGHT	04 - UTILITY CABINET RIGHT	2 LIGHT	SMART CONTROLS DCV	KEF 2	EXHAUST	3	2,000	208	8.3
				HOOD # 1	2 FAN		KMUA	SUPPLY	3	3,000	208	8.6
							KEF2	EXHAUST	1	0.333	115	4.3



REVISIONS

NO	DESCRIPTION	DATE

CAPTIVE
www.captiveair.com
1329 East Kempner Rd., Ste. 4210, Cincinnati, OH 45246 PHONE: (613) 860-5555 EMAIL: reg120@captiveair.com

Roy Rogers r1 (Clevs,OH)
CLEVELS, OH, 45002

DATE: 8/11/2022
DWG.#: 5320775
DRAWN BY: jcrilli
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO.
4

STORM SIZING CALCULATIONS	
Plumbing Code:	IPC 2018
Rainfall Rate:	3 in./hr.
Pipe Slope:	1/8 in.
Total Roof Area:	3100 sq. ft.

Plumbing Pipe Type Legend			
Mark	Color	System Name	Pipe Material
G1.1	Yellow	G1 - Natural Gas	1 - Black Steel - Schedule 40 - ASTM A-795
V6.6	Brown	V6 - Intake Air Flue Vent	6 - PVC - Schedule 40 - ASTM D1785
V7.6	Dark Brown	V7 - Exhaust Air Flue Vent	6 - PVC - Schedule 40 - ASTM D1785

- KEYED NOTES**
- PG4 PROVIDE GAS CONNECTION TO ROOFTOP EQUIPMENT PER DETAILING ON SHEET P-303.
 - PW4 PROVIDE VENT THROUGH ROOF IN LOCATION SHOWN ON PLAN. MAINTAIN A MINIMUM 10'-0" FROM ANY BUILDING INTAKES. REFER TO DETAIL ON SHEET P-302 FOR MORE INFORMATION.
 - PW5 PROVIDE CONCENTRIC VENT FOR GAS FIRED WATER HEATER IN LOCATION SHOWN ON PLAN. MAINTAIN A MINIMUM 10'-0" FROM ANY BUILDING INTAKES. REFER TO DETAIL ON SHEET P-303 FOR MORE INFORMATION. INSTALL PER MANUFACTURER GUIDELINES.
 - PW6 PROVIDE ROOF DRAINS IN LOCATIONS SHOWN. COORDINATE FINAL LOCATION WITH ARCHITECTURAL ROOF PLAN SLOPES AND WALL SECTIONS. REFER TO DETAIL ON SHEET P-302 FOR MORE INFORMATION.

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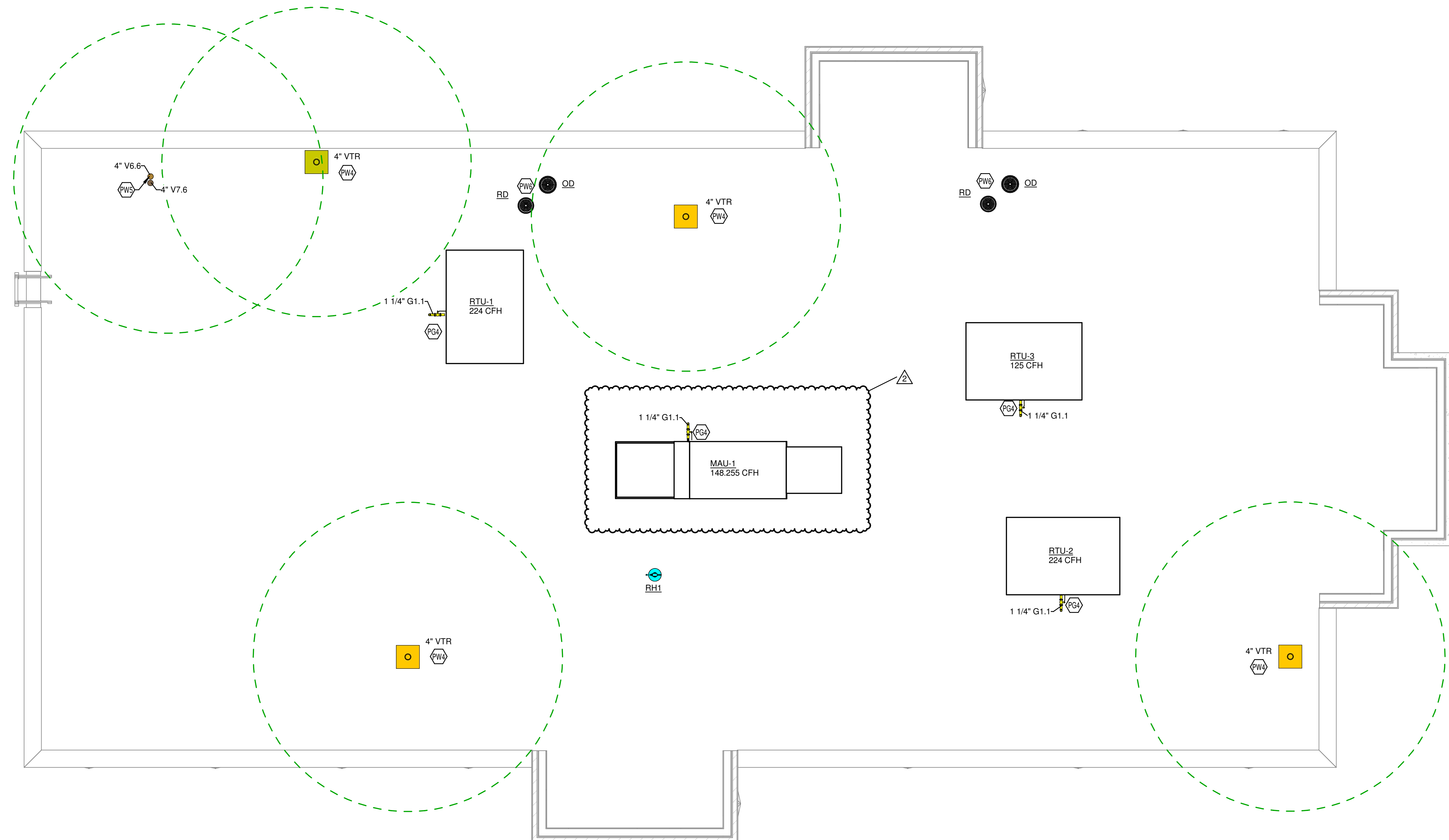
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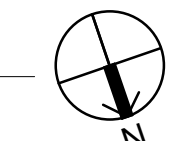
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1 PLUMBING WATER AND GAS ROOF PLAN PLAN
 1/4" = 1'-0"



Roy Rogers

CLEVELS, OH
 151 COOPER RD.
 CLEVELS, OH 45002

PROJECT # 24035.00
 DATE ISSUED 06-07-2022

**PLUMBING
 OVERALL
 ROOF PLAN**

P-103

PLUMBING GAS LOAD SCHEDULE						
MARK	HVACTYPE	DESCRIPTION	STATUS	GAS HTG IN (CFH)	MIN GAS PRESSURE (IN WC)	MAX GAS PRESSURE (IN WC)
22	22 40 00.00.00	CHICKEN FRYER		255	-	-
25	22 40 00.00.00	FRYER		160	-	-
35	22 40 00.00.00	GRIDDLE		108	-	-
GFWH-1	22 34 00.00.00	DOMESTIC GAS-FIRED TANK-TYPE WATER HEATER		199	4.5	14
MAU-1	23 74 23.00.00	PACKAGED OUTDOOR MAKEUP AIR UNIT	BY OTHERS	148 255	5	14
RTU-1	23 74 33.00.00	PACKAGED OUTDOOR ROOFTOP UNIT			4.5	13.5
RTU-2	23 74 33.00.00	PACKAGED OUTDOOR ROOFTOP UNIT		224	4.5	13.5
RTU-3	23 74 33.00.00	PACKAGED OUTDOOR ROOFTOP UNIT		125	4.5	13.5
GAS LOAD:				TOTAL	1443 255	

PLUMBING TRANSFORMER SCHEDULE									
MARK	DESCRIPTION	MANUFACTURER	MODEL	LOCATION	VOLTS	PHASE	EMERGENCY	AVAILABLE FAULT CURRENT	
PT1	PLUMBING FIXTURE TRANSFORMER	SLOAN	EL-154	RESTROOM	120	1		1386	
PT2	PLUMBING FIXTURE TRANSFORMER	SLOAN	EL-154	RESTROOM	120	1		1269	
PT3	PLUMBING FIXTURE TRANSFORMER	SLOAN	INCLUDED WITH LAV	RESTROOM - LAV	120	1		1357	
PT4	PLUMBING FIXTURE TRANSFORMER	SLOAN	INCLUDED WITH LAV	RESTROOM - LAV	120	1		1297	

PLUMBING ELECTRICAL COORDINATION SCHEDULE													
ABBREVIATIONS		CONTRACTOR TYPE				MOTOR CONTROL TYPE				CONTROL TYPE			
DC	LOCAL DISCONNECT	EC	ELECTRICAL CONTRACTOR	CS	COMBINATION STARTER	TC	TIMECLOCK	CPT	CONTROL POWER TRANSFORMER	TC	TIMECLOCK	CPT	CONTROL POWER TRANSFORMER
MC	MOTOR CONTROL (POWER)	EX	EXISTING	MCC	MOTOR CONTROL STARTER	BAS	BUILDING AUTOMATION SYSTEM	BAS	BUILDING AUTOMATION SYSTEM	LV	LOW VOLTAGE CONTROLS	LV	LOW VOLTAGE CONTROLS
SD	DUCT SMOKE DETECTOR CONTROLS	FC	FIRE PROTECTION CONTRACTOR	MG	MAGNETIC STARTER OR CONTACT	LINE	LINE VOLTAGE CONTROLS	LINE	LINE VOLTAGE CONTROLS	RL	REVERSE ACTING LINE VOLTAGE THERMOSTAT	RL	REVERSE ACTING LINE VOLTAGE THERMOSTAT
CN	CONTROLS	GC	GENERAL CONTRACTOR	MS	MANUAL STARTER	MAN	MANUAL	MAN	MANUAL	FA	FIRE ALARM	FA	FIRE ALARM
TS	TOGGLE SWITCH	HC	HVAC CONTRACTOR	VFD	VARIABLE FREQUENCY DRIVE	CO	CARBON MONOXIDE SENSOR	CO	CARBON MONOXIDE SENSOR	INT	INTEGRAL TO EQUIPMENT	INT	INTEGRAL TO EQUIPMENT
C/B	H.A.C.R. CIRCUIT BREAKER AT SOURCE PANELBOARD	MFR	MANUFACTURER	OV	OVERCURRENT PROTECTION								
FUSE	FUSE AT LOCAL DISCONNECT (VERIFY FIELD RATING)	PC	PLUMBING CONTRACTOR										
FLA	FUSE AT LOCAL DISCONNECT (VERIFY FIELD RATING)	OR	OWNER OR OTHERS										
MCA	MINIMUM CIRCUIT AMPACITY												
CP	CORD AND PLUG CONNECTION												

PLUMBING WATER HEATER SCHEDULE																			
MARK	DESCRIPTION	LOCATION	STATUS	MANUFACTURER	MODEL	EFFICIENCY	EWT (DEG F)	LWT (DEG F)	GAS HTG IN (MBH)	STORAGE (GAL)	FUEL	MIN GAS PRESSURE (IN WC)	MAX GAS PRESSURE (IN WC)	VOLTS	PHASE	EMERGENCY	FLA	ACCESS	AVAILABLE FAULT CURRENT
GFWH-1	DOMESTIC GAS-FIRED TANK-TYPE WATER HEATER	KITCHEN		AO SMITH	BTH199	95	40	140	199	100	NATURAL GAS	4.5	14	120	1		5		2888

PLUMBING PUMP SCHEDULE													
MARK	DESCRIPTION	LOCATION	STATUS	MANUFACTURER	MODEL	VOLTS	PHASE	EMERGENCY	FLOW (gpm)	HEAD (ft)	FLA (amps)	AVAILABLE FAULT CURRENT	ACCESSORIES
CP1	HOT WATER RECIRCULATING PUMP	KITCHEN		BELL & GOSSETT	NBF-22	120	1		5	22	0.8	3499	INLINE PUMP, BRONZE BODY, PROVIDE AQUASTAT EQUAL TO HONEYWELL MODEL L6006 AND 7-DAY TIMECLOCK INTERMATIC MODEL ET11075C (GRAINGER #3FXA1).

PLUMBING FIXTURE SCHEDULE														
MARK	DESCRIPTION	LOCATION	STATUS	MANUFACTURER	MODEL	VALVE/FAUCET MFG	VALVE/FAUCET MODEL	CW SIZE (in)	HW SIZE (in)	SAN SIZE (in)	VENT SIZE (in)	TRAP SIZE (in)	INT TRAP	ACCESSORIES
LV1	LAVATORY	RESTROOM		AMERICAN STANDARD	AQUALYN 0475.047	SLOAN	ETF-700	1/2	1/2	1-1/2	1-1/2	1-1/2	NO	SELF RIMMING, VITREOUS CHINA, COUNTER MOUNT, AUTOMATIC FAUCET, HARDWIRED (TRANSFORMER INCLUDED), 0.5 GPM FLOW RESTRICTOR, OFFSET DRAIN, PROVIDE STOPS, SUPPLIES, ETC. INSULATE TRAP AND SUPPLIES WITH TRUEBRO NO. 103 LAV GUARD.
RH1	ROOF HYDRANT	ROOF		WOODFORD	SRH-MS	---	---	3/4	---	---	---	---	NO	BACKFLOW PROTECTED, AUTOMATIC DRAINING, FREEZELESS ROOF HYDRANT.
TMV	THERMOSTATIC MIXING VALVE	REFER TO PLAN		WATTS	USG-B-SC	---	---	1/2	1/2	---	---	---	---	INLINE CHECK, WALL BRACKET AND FACTORY SET AT 110 DEGREES, ASSE 1070 RATED. INSTALL UNDER SINKS NOTED ON PLANS.
TP	TRAP PRIMER	REFER TO PLAN		ZURN	Z-1022	---	---	1/2	---	---	---	---	---	
WC1	FLUSH VALVE WATER CLOSET	RESTROOM		AMERICAN STANDARD	MADERA 3043.102	SLOAN	ROYAL 111 SFSM	1	---	4	2	---	YES	FLOOR MOUNTED, VITREOUS CHINA, TOP SPUD, 1.6 GPF, PROVIDE OFFSET TAIL PIECE TO AVOID GRAB BARS. OPEN FRONT TOILET SEAT. CENTOCO 1500STSCSS, STAINLESS STEEL CHECK HINGE, AUTOMATIC FLUSH VALVE, HARDWIRED, INTEGRAL VACUUM BREAKER, ASSE 1019.
WH1	WALL HYDRANT	REFER TO PLAN		WATTS	HY-420	---	---	3/4	---	---	---	---	---	
WS1	WATER SOFTENER	KITCHEN		CULLIGAN	MEDALIST SERIES	---	---	1 1/2	---	---	---	---	---	MEDALIST-12" SINGLE WATER METER/DEMAND SYSTEM.

PLUMBING DRAIN SCHEDULE											
MARK	DESCRIPTION	LOCATION	STATUS	MANUFACTURER	MODEL	MATERIAL/FINISH	TRAP PRIMER	TRAP SIZE (in)	SAN SIZE (in)	VENT SIZE (in)	ACCESSORIES/REMARKS
FD	FLOOR DRAIN	REFER TO PLAN		ZURN	Z-415B-OF	CAST IRON	YES	3	3	1-1/2	TYPE "B" ADJUSTABLE STRAINER TOP WITH SQUARE HEEL PROOF OPENINGS AND SECURED GRATE. DURA COATED CAST IRON BODY WITH DEEP SEAL P-TRAP WITH TRAP PRIMER CONNECTION.
FFD	FUNNEL FLOOR DRAIN	REFER TO PLAN		ZURN	Z-415-P	CAST IRON	YES	3	3	1-1/2	PROVIDE TYPE "E" ADJUSTABLE STRAINER TOP AND OVAL FUNNEL WITH SQUARE HEEL PROOF OPENINGS AND SECURED GRATE. DURA COATED CAST IRON BODY WITH DEEP SEAL P-TRAP WITH TRAP PRIMER CONNECTION.
OD	OVERFLOW DRAIN	REFER TO PLAN		ZURN	Z-121		NO	---	---	---	12" DIAMETER ROOF DRAIN, DURA COATED CAST IRON BODY WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD AND LOW SILHOUETTE CAST IRON DOME. PROVIDE EXTENSION AS REQUIRED.
RD	ROOF DRAIN	REFER TO PLAN		ZURN	Z-121		NO	---	---	---	12" DIAMETER ROOF DRAIN, DURA COATED CAST IRON BODY WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD AND LOW SILHOUETTE CAST IRON DOME. PROVIDE EXTENSION AS REQUIRED.

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Hood Updates			

Roy Rogers

CLEVELS, OH
151 COOPER RD.
CLEVELS, OH 45002

PROJECT # 24035.00
DATE ISSUED 06.07.2022

PLUMBING SCHEDULES

P-301