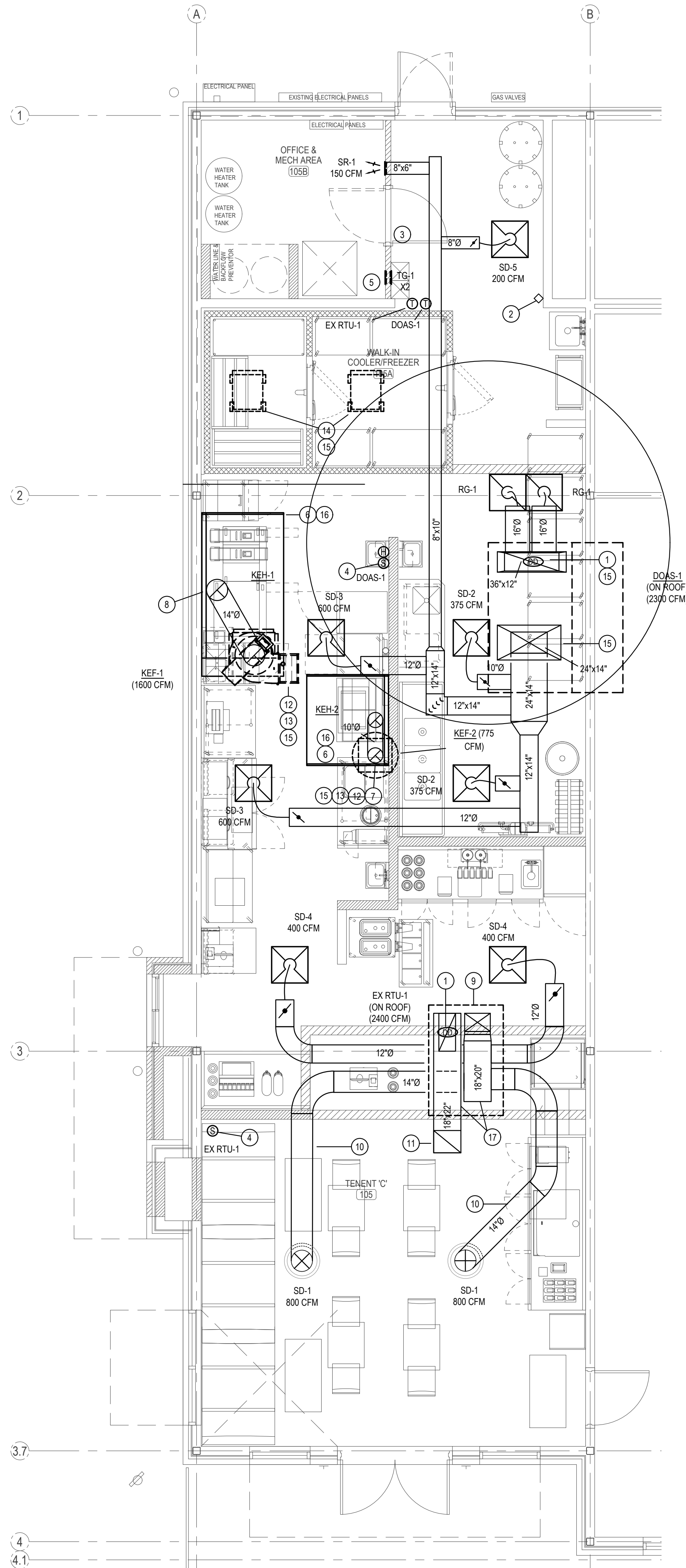


MECHANICAL GENERAL NOTES:

- COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED TO PROPERLY INSTALL ALL SYSTEMS AS INTENDED, WITHIN THE CONFINES OF THE SPACES AVAILABLE, AND WITHOUT INTERFERENCES.
- THIS CONTRACTOR SHALL PERFORM ALL WORK INDICATED AND/OR AS REQUIRED FOR THE PROPER INSTALLATION AND OPERATION OF THE MECHANICAL SYSTEMS.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF DIFFUSERS.
- INSTALL ALL DUCT, PIPE, ETC. AS HIGH AS POSSIBLE.
- DUCT SIZES SHOWN ARE ACTUAL SHEET METAL SIZES AND INCLUDE AN ALLOWANCE FOR DUCT LINER WHERE APPLICABLE.
- PROVIDE FLEXIBLE CONNECTION BETWEEN DUCTWORK AND ROOFTOP UNITS, EXHAUST FANS, AND OTHER MOTORIZED EQUIPMENT.
- NO DUCT SHALL BE ROUTED OVER THE TOP OF ELECTRICAL PANELS.
- ALL MECHANICAL SYSTEMS SHALL BE BALANCED BY A CERTIFIED BALANCING CONTRACTOR. REFER TO SPECIFICATIONS FOR DETAILS.

MECHANICAL SYMBOLS

- NEW SUPPLY DIFFUSER
- NEW RETURN AIR GRILLE
- EXHAUST GRILLE/FAN
- REMOTE TEMPERATURE SENSOR
- THERMOSTAT, MOUNTED AT 48" AFF
- HUMIDITY SENSOR, MOUNTED AT 48" AFF
- DUCT-MOUNTED SMOKE DETECTOR
- MOTORIZED DAMPER/LOUVER
- NEW DUCTWORK
- 32"x14" SIZE OF RECTANGULAR DUCT
- 6"Ø SIZE OF ROUND DUCT
- FLEXIBLE DUCTWORK
- FLEXIBLE CONNECTION TO FAN
- FLOOR PLAN NOTE DESIGNATION
- S.A. SUPPLY AIR
- R.A. RETURN AIR
- EXH. EXHAUST AIR
- TRANSITION IN DUCT SIZE
- ELBOW WITH TURNING VANES
- MANUAL VOLUME DAMPER
- MOTORIZED CONTROL DAMPER
- FIRE DAMPER
- SPLITTER DAMPER WITH HORIZONTAL REGULATOR
- SUPPLY AIR DUCT UP/DOWN
- RETURN AIR DUCT UP/DOWN
- EXHAUST AIR DUCT UP/DOWN
- CHANGE IN ELEVATION UP (UP) DOWN (DN) IN DIRECTION OF FLOW
- SCHEDULED MECHANICAL EQUIPMENT
- EXIST'G DUCT TO REMAIN
- EXIST'G DUCT TO BE REMOVED
- EXISTING FLEXIBLE DUCTWORK
- 32"x14"E SIZE OF EXISTING DUCT
- EXISTING SUPPLY DIFFUSER



MECHANICAL PLAN NOTES:

- LOCATION OF DUCT MOUNTED SMOKE DETECTOR. PROVIDE REMOTE ENUNCIATOR AUDIOVISUAL. VERIFY LOCATION WITH FIRE MARSHAL PRIOR TO INSTALLATION. REFER TO SPEC SHEET MP0 FOR ADDITIONAL INFORMATION.
- LOCATION OF MANUAL PULL STATION. INSTALL PER THE MANUFACTURERS REQUIREMENTS. COORDINATE WITH FIRE MARSHAL/AHU PRIOR TO INSTALLATION.
- LOCATION OF RTU AND DOAS THERMOSTATS. GC TO LABEL EACH THERMOSTAT.
- LOCATION OF RTU/DOAS TEMPERATURE/HUMIDITY SENSORS MOUNTED 7'-0" AFF.
- INSTALL (2) INLINE TRANSFER GRILLES AT 8' A.F.F. FOR RETURN AIR PATH FROM MECH. ROOM.
- EXHAUST HOOD PROVIDED BY OTHERS. INSTALLED BY THIS CONTRACTOR PER THE MANUFACTURERS INSTRUCTIONS.
- TRANSITION AND CONNECT 10"Ø GREASE DUCT TO EXHAUST HOOD. ROUTE DUCT UP AND CONNECT TO EXHAUST FAN. OFFSET AS NECESSARY TO MISS ROOF STRUCTURE, AND TO MAINTAIN 10'-0" CLEARANCE FROM ALL OUTDOOR AIR INTAKES, AND 5'-0" FROM PARAPET WALLS. DUCT TO BE SLOPED AT A MINIMUM OF 2% BACK TOWARDS HOOD. ALL GREASE DUCT IS TO BE INSTALLED WITH DUCT WRAP AS DETAILED AND PER THE MANUFACTURERS REQUIREMENTS FOR 0" CLEARANCE TO COMBUSTIBLES.
- TRANSITION AND CONNECT 14"Ø GREASE DUCT TO COLLAR ON EXHAUST HOOD. ROUTE DUCT UP BETWEEN TRUSSES AND CONNECT TO EXHAUST FAN. OFFSET AS NECESSARY TO MISS ROOF STRUCTURE, AND TO MAINTAIN 10'-0" CLEARANCE FROM ALL OUTDOOR AIR INTAKES, AND 5'-0" FROM PARAPET WALLS. REFER TO DETAIL ON SHEET M2. DUCT TO BE SLOPED AT A MINIMUM OF 2% BACK TOWARDS HOOD. ALL GREASE DUCT IS TO BE INSTALLED WITH DUCT WRAP AND ACCESS DOORS AS DETAILED AND PER THE MANUFACTURERS REQUIREMENTS FOR 0" CLEARANCE TO COMBUSTIBLES.
- BALANCE OUTDOOR AIR INTAKE FOR EXISTING RTU-1 TO NEW MINIMUM CFM AS SHOWN ON EXISTING ROOFTOP UNIT SCHEDULE (REFER TO SHEET M3).
- EXPOSED DUCTWORK SHALL BE OF PAINTLOCK CONSTRUCTION AND PAINTED PER THE DIRECTION OF ARCHITECT (TYPICAL).
- RETURN AIR DUCT LOCATED BETWEEN ROOF TRUSSES. OPEN END OF DUCTWORK TURNED UP TOWARD STRUCTURE WITH A MINIMUM 6" CLEARANCE TO DECK.
- MAINTAIN 10' CLEARANCE FROM ALL OUTDOOR AIR INTAKES. SUPPORT EXHAUST FAN FROM STRUCTURE AS REQUIRED BY THE MANUFACTURER.
- GC TO INSTALL CAPTIVE AIR WBE WINDBAND EXTENSION FOR KEF-1 AND KEF-2 PROVIDED BY KITCHEN EQUIPMENT SUPPLIER.
- MOUNT CONDENSING UNIT ON ROOF AS DETAILED AND AS REQUIRED BY THE MANUFACTURER. CONNECT REFRIGERANT PIPING AS REQUIRED BY THE MANUFACTURER. SEE REFER TO SHEET M2 FOR MOUNTING DETAIL.
- CUT EXISTING ROOF AND FLASH INTO ROOF AS REQUIRED TO SEAL PENETRATION WEATHERTIGHT. ALL ROOFING WORK SHALL BE PERFORMED BY BUILDING OWNER'S ROOFING CONTRACTOR (AT THIS CONTRACTOR'S EXPENSE) TO MAINTAIN EXISTING ROOF WARRANTY. VERIFY APPROVED ROOFING CONTRACTOR WITH BUILDING OWNER PRIOR TO PERFORMING WORK.
- HOOD SHALL BE PROVIDED WITH FACTORY PRE-WIRE PACKAGE AND A PRE-ENGINEERED UL-300 FIRE SUPPRESSION SYSTEM. SEE HOOD DRAWINGS FOR DETAILS.
- COORDINATE WITH ARCHITECTURE AND STRUCTURAL PLANS AND CONFIRM CLEARANCES FOR DUCT CONNECTIONS ROUTING.

AIR BALANCE SCHEDULE

SUPPLY AIR UNIT	OUTSIDE AIRFLOW (CFM)	RETURN AIRFLOW (CFM)	SUPPLY AIRFLOW (CFM)	OA/SA (%)	EXHAUST AIR UNIT	EXHAUST AIRFLOW (CFM)
EX RTU-1	440	1,960	2,400	18.3%	KEF-1	1,600
DOAS-1	2300	0	2,300	100.0%	KEF-2	775
TOTAL	2740	1,960	4,700	58.3%	TOTAL	2,375
RESULTING BUILDING PRESSURIZATION (CFM)						365

THE BUILDING HVAC SYSTEM SHALL BE BALANCED BY NATIONAL TAB HIRED BY THE OWNER. CONTACT Dan Hertenstein - National TAB at: 816-215-1593 - DAN@NATIONALTAB.COM

THE RTU SUPPLY FANS SHALL OPERATE IN SINGLE ZONE VAV MODE WITH 2 STAGES OF FAN CONTROL. LOW SPEED SHALL BE USED DURING PERIODS OF LOW COOLING LOAD AND VENTILATION ONLY OPERATION PER 2018 IECC REQUIREMENTS.

THE ECONOMIZER DAMPERS SHALL HAVE TWO POSITIONS DEPENDENT ON THE FAN SPEED TO MAINTAIN CONSTANT OUTDOOR AIR VOLUME AND BUILDING PRESSURE.

THE UNIT SHALL HAVE ITS FRESH AIR HEATING OPTION ENABLED TO HEAT VENTILATION AIR TO A NEUTRAL VALUE DURING COLD WEATHER OPERATION. REFER TO THE MANUFACTURERS PROGRAMMING DOCUMENTATION FOR SETUP INSTRUCTIONS.

OUTDOOR AIR CALCULATIONS

UNIT	Area (sqft)	OCCUPANCY CLASSIFICATION	Occupant Density #/1000 sqft	People outdoor airflow rate in breathing zone, (Rp) cfm/person	Area outdoor airflow rate in breathing zone, (Ra) cfm/sqft	Breathing zone outdoor airflow (Vbz) cfm/sqft	Zone air distribution effectiveness (Ez)	Zone outdoor airflow (cfm)
EX RTU-1	385	Dining rooms	70	7.5	0.18	271	0.8	339
	300	Service Counter	20	7.5	0.12	81	0.8	101
Total								440

BC PROJECT #: 25483
KENTUCKY PE COA #1723

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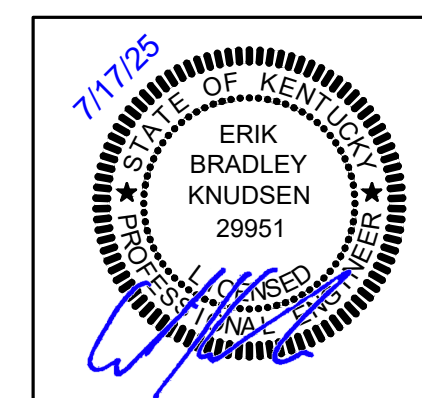
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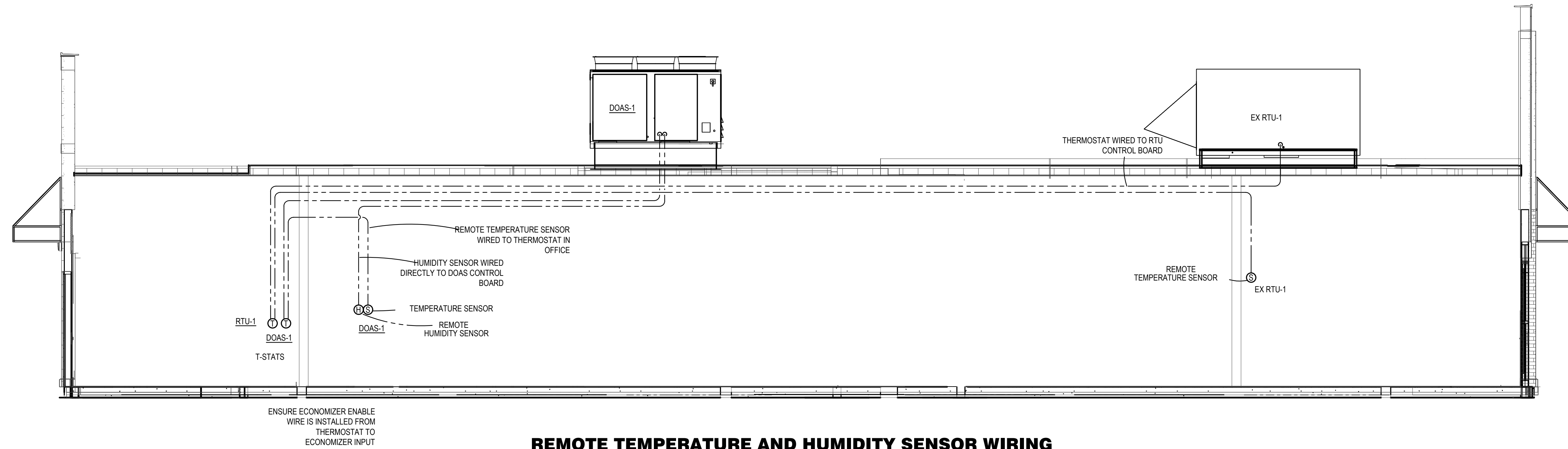
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MECHANICAL FLOOR PLAN
DATE: 07/17/2025
DRAWN BY: FOAK
CHECKED: EKCS
REVISIONS:
M1

MECHANICAL FLOOR PLAN
SCALE: 1/4" = 1'-0"
NORTH



REMOTE TEMPERATURE AND HUMIDITY SENSOR WIRING

ALL LOW VOLTAGE WIRING FOR THE HVAC SYSTEM IS TO BE PROVIDED AND INSTALLED BY THE HVAC CONTRACTOR.

A. KITCHEN HOOD EXHAUST FAN (KEF-1, AND KEF-2)

1. THE KITCHEN HOOD EXHAUST FAN SHALL BE ENABLED WHEN ANY COOKING APPLIANCE LOCATED UNDER ITS RESPECTIVE HOOD, IS IN USE.

B. EF-1, EF-2

1. EXHAUST FAN SHALL RUN WHEN THE RESTROOM IS OCCUPIED.

C. DOAS-1

1. THE MAKE UP AIR UNIT SHALL BE ENABLED WHEN THE KITCHEN HOOD EXHAUST FANS (KEF-1 AND KEF-2) ARE ENERGIZED.
2. OCCUPIED MODE: BASED ON THE DOAS UNITS HOURS OF OCCUPANCY, START THE UNIT AT THE BEGINNING OF OCCUPANCY AND SHUT DOWN THE UNIT AT THE END OF OCCUPANCY (NOTE: OUTSIDE AIR DAMPER WITHIN THE UNIT SHALL OPEN 100% AND THEN THE FAN SHALL START). THE UNIT SHALL START EARLIER AS DETERMINED BY THE PROGRAM FOR EARLY WARM-UP OR COOL DOWN. ON A SYSTEM STARTUP, THE FAN SHALL START AND RUN CONTINUOUSLY. BASED ON THE SPACE TEMPERATURE SENSOR, THE UNIT SHALL MODULATE THE HEATING/COOLING TO MAINTAIN THE SPACE TEMPERATURE SETPOINT.
 - 2.1. HUMIDITY CONTROL: UPON DETECTION OF RELATIVE HUMIDITY ABOVE 55%, THE UNIT SHALL CYCLE INTO DEHUMIDIFICATION MODE IF NOT ALREADY IN COOLING AND MODULATE THE COMPRESSORS AND HOT GAS REHEAT VALVE TO SUPPLY SPACE NEUTRAL DEHUMIDIFIED AIR UNTIL THE RELATIVE HUMIDITY DROPS BELOW 55% RH.
3. UNOCCUPIED MODE: THE DOAS INTERNAL OA DAMPERS SHALL REMAIN CLOSED WHEN THE BUILDING IS NOT OCCUPIED AND THE UNIT SHALL OPERATE IN RECIRCULATION MODE. THE UNIT SHALL STOP HEATING/COOLING AND THE FAN SHALL STOP. BASED ON THE SPACE TEMPERATURE SENSOR, THE UNIT SHALL CYCLE THE HEATING/COOLING TO MAINTAIN THE SPACE TEMPERATURE SETPOINT.
4. UPON DETECTION OF SMOKE BY UNIT SMOKE DETECTOR ALL RTUS SHALL SHUT DOWN AND AN ALARM SHALL BE SENT TO THE FIRE ALARM CONTROL PANEL. (WHERE APPLICABLE). LOCAL REMOTE ANNUNCIATORS SHALL ALSO BE ACTIVATED.

D. ANSUL SYSTEM ACTIVATION

1. UPON ACTIVATION OF ANSUL SYSTEM, SHUT DOWN RTU-1. PROVIDE RELAYS CONTACTS, INTERLOCKS, TRANSFORMERS AND ALL ASSOCIATED WIRING TO ACCOMPLISH SEQUENCE. DOAS-1 IS ALREADY PREWIRED TO SHUT DOWN IN HOOD CONTROL PANEL. MECHANICAL CONTRACTOR SHALL INTERLOCK RTU-1 TO ALSO SHUT DOWN.

E. RTU-1 WIRING AND CONTROL

1. WIRE THE REMOTE TEMPERATURE SENSOR FOR RTU-1 TO THE THERMOSTAT LOCATED IN THE OFFICE. SET THERMOSTAT FOR REMOTE SENSOR OPERATION.
2. REFER TO THE RTU SEQUENCE OF OPERATIONS FOR UNIT OPERATION.

F. DOAS-1 WIRING AND CONTROL

1. WIRE THE REMOTE TEMPERATURE SENSOR FOR DOAS-1 TO THE DOAS UNIT CONTROL PANEL. SET HMI FOR REMOTE SENSOR OPERATION.
2. WIRE THE REMOTE HUMIDITY SENSOR DIRECTLY TO THE HUMIDITY TERMINALS ON THE DOAS UNIT CONTROL PANEL PER THE MANUFACTURERS REQUIREMENTS.
3. PROGRAM THE DOAS UNIT TO OPERATE THE HOT GAS REHEAT CONTROLS BASED ON THE REMOTE SENSOR TO CONTROL HUMIDITY IN THE SPACE.
4. REFER TO THE DOAS-1 SEQUENCE OF OPERATIONS FOR UNIT OPERATION.

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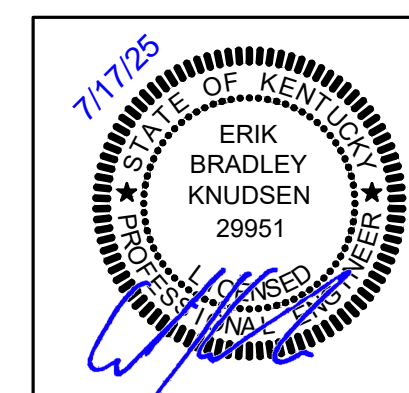
TEMPERATURE AND HUMIDITY SENSOR WIRING

DATE: 07/17/2025 DRAWN BY: FOAK CHECKED: EKCS REVISIONS:

jea
architects

SHEET NO.

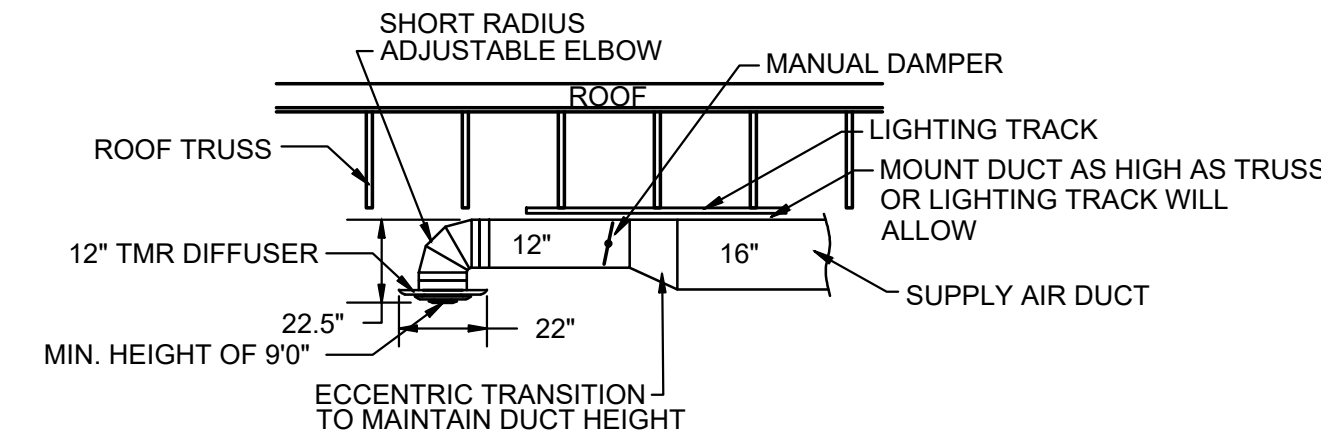
M2



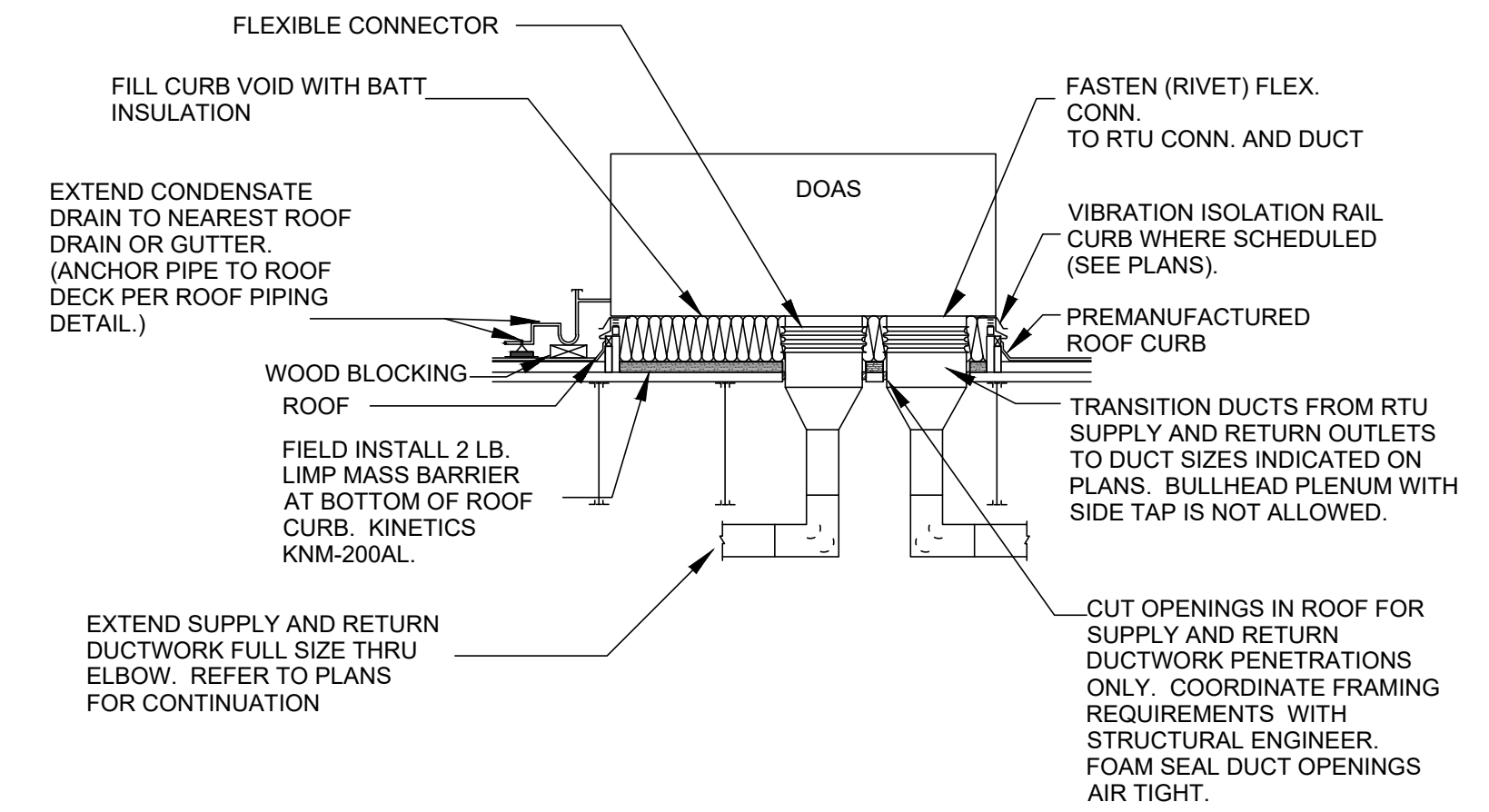
EXISTING ROOFTOP UNIT SCHEDULE													
MARK	MFR.	MODEL NO.	NOM. TONS	EVAP. CFM	COOLING				HEATING (GAS)		ELECTRICAL		MINIMUM OUTDOOR AIR (CFM)
					TOTAL BTUH	SENS. BTUH	AMB.	EVAP. EAT DB/WB	BTUH INPUT	BTUH OUTPUT	VOLT/PHZ	BLOWER MOTOR	
RTU-1	DAIKIN	DFG0723	6	2400	71,326	53,901	95	80/67	140,000	112,000	208/3/60	2.3	440

DIFFUSER SCHEDULE									
MARK	MFR.	MODEL	BORDER TYPE	NECK SIZE	FACE SIZE	FINISH	DAMPER	ACCESSORIES	NOTES
SD-1	TITUS	TMR	-	14"Ø	22"Ø	WHITE			1
SD-2		TMS-AA	3	10"Ø	24"x24"				-
SD-3		PAR-AA		12"Ø					-
SD-4		TMS-AA		8"Ø					-
SD-5		TMS		8"Ø					-
SR-1		300RL	1	8"x6"					-
TG-1		350RL	1	8"x6"					-
RG-1	AMER. LOUVER CO.	STRATUS	-	16"Ø	24"x24"		OPPOSED BLADE		2

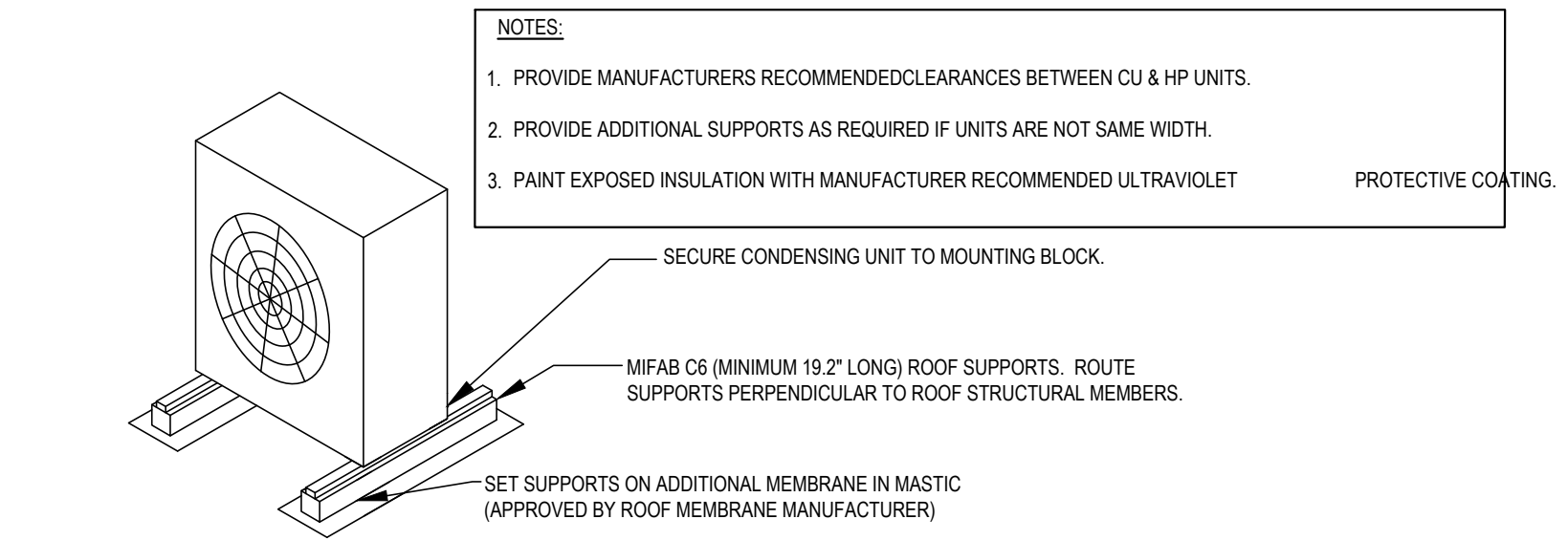
- NOTES:
- FIELD PREP FOR PAINTING.
 - RETURN GRILL TO BE PLASTIC FILTER RETURN, FILTER TO BE AMERICAN AIR FILTER (AAF) FRONTLINE GREEN 1", WITH AAF AMERIFRAME SIZE 20x20x1.



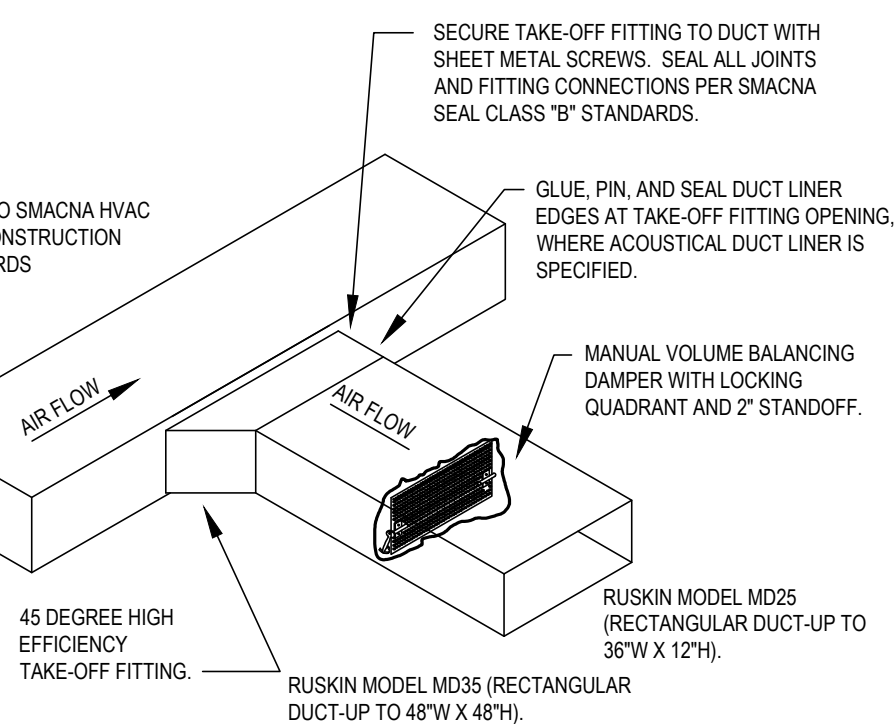
DINING ROOM DIFFUSER DETAIL
SCALE: NONE



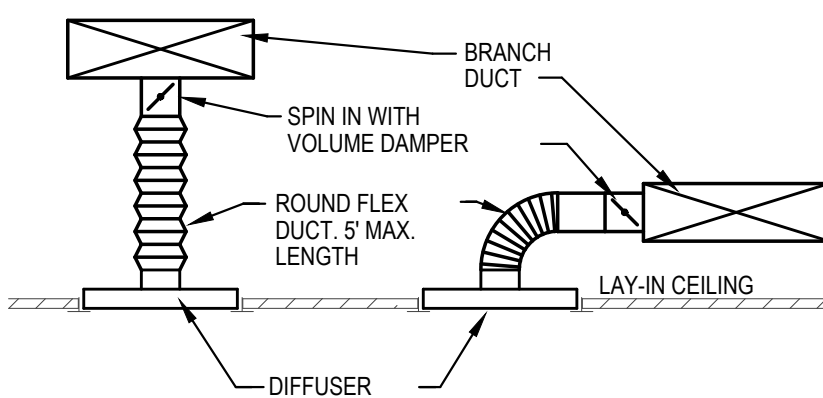
DOAS DROPPDOWN DETAIL
SCALE: NONE



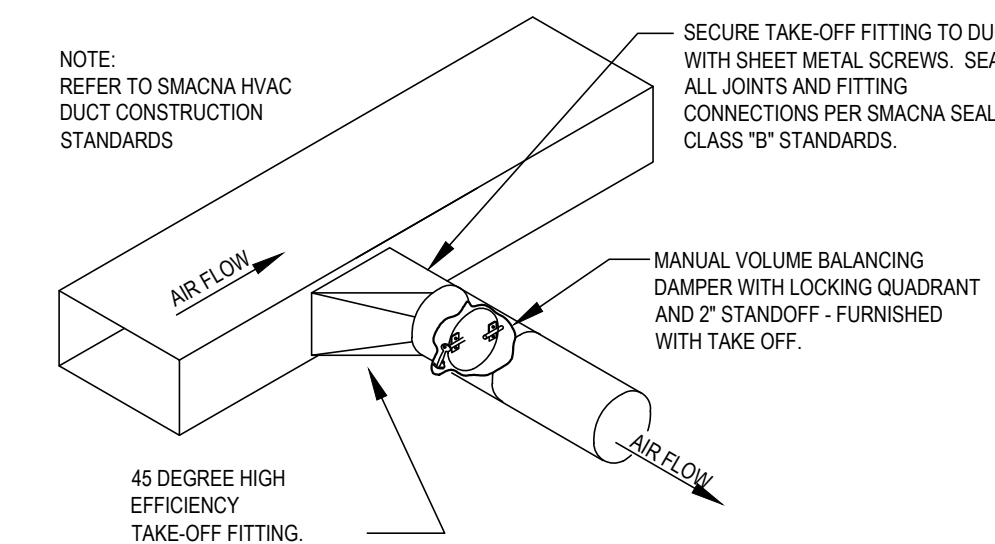
ROOF CONDENSING UNIT MOUNTING DETAIL
SCALE: NONE



RECTANGULAR DUCT TAKE OFF DETAIL
SCALE: NONE



DIFFUSER DETAIL
SCALE: NONE



ROUND DUCT TAKE OFF DETAIL
SCALE: NONE

FIRE RATED ENCLOSURE - GREASE DUCTS

- THERMAL CERAMICS FIREMASTER FASTWRAP XL IS TESTED TO ASTM E2936 AND UL LISTED PER HNK7.G18 TO PROVIDE ZERO CLEARANCE TO COMBUSTIBLES AND TO PROVIDE A 1- OR 2- HOUR ENCLOSURE. THROUGH PENETRATIONS FIRESTOP SYSTEMS ARE TESTED IN ACCORDANCE WITH ASTM E 814 (UL 1479). ICC-ES APPROVAL PER REPORT ESR 2213 OR ESR 2832.
- COMPLIANT TO THE FOLLOWING CODES:
NFPA 96
INTERNATIONAL MECHANICAL CODES
UNIFORM MECHANICAL CODE
CALIFORNIA MECHANICAL CODE
- INSULATION APPLIED IN TWO LAYERS WITH TIGHT COMPRESSION JOINT ON BOTH LAYERS AT ALL JOINTS.
- MINIMUM 16 GAUGE CARBON STEEL (OR 18 GAGE STAINLESS STEEL) RECTANGULAR OR ROUND GREASE EXHAUST DUCT
- INSTALL UL LISTED AND LIQUID TIGHT THERMAL CERAMICS FASTDOOR XL ACCESS DOORS AT ALL CHANGES IN DIRECTION AND AT MINIMUM EVERY 20 FT ON HORIZONTAL RUNS.
- SUPPORT HANGER SYSTEMS DO NOT NEED TO BE WRAPPED PROVIDED THE HANGER RODS ARE MINIMUM 3/8 IN. DIAMETER AND SUPPORTS ARE MINIMUM 2 X 2 X 1/8 IN. STEEL ANGLE OR SMACNA EQUIVALENT SUPPORT SYSTEM.
- THERMAL CERAMICS DUCT WRAP SHALL BE INSTALLED DIRECTLY ONTO THE DUCT AND APPLIED FROM THE HOOD CONNECTION TO THE CONNECTION TO THE FAN.
- THERMAL CERAMICS DUCT ENCLOSURE SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND UL LISTINGS.

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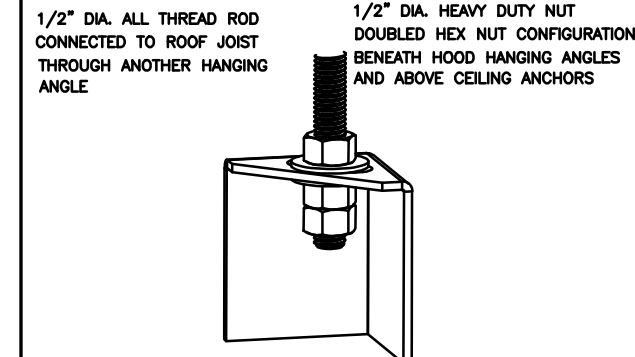
MECHANICAL SCHEDULES

DATE 07/17/2025	DRAWN BY FOAK	CHECKED EKDS	REVISIONS
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SHEET
M3

ND-2 HANGING ANGLE DETAIL



ROOF AND NUTS TO BE SUPPLIED BY INSTALLING CONTRACTOR. HANGING ANGLE IS PRE-ANCHORED AT FACTORY.

HANGING ANGLE LOCATIONS

HOOD STYLE	DIM FROM REAR	DIM FROM FRONT (24" H)	DIM FROM FRONT (30" H)
CANOPY ND2	4.166"	2.246"	2.246"
ND2-PSP-F	4.166"	2.246"	2.246"
BACKSHELF BD-2	4.166"	2.246"	-
VHB/VHB-G	36"x36"	42"x42"	48"x48"
FRONT/BACK DIMS BY SIZE	2.246"	2.246"	2.246"

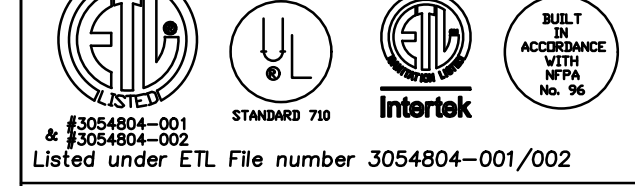
CALCULATIONS UTILIZED

EXHAUST CFM=LENGTH OF HOOD X CFM/IN.FT. (LOAD)
 SUPPLY CFM=EXHAUST CFM X PERCENTAGE REQUIRED
 TOTAL DUCT AREA=144 X CFM (FPM)
 DUCT LENGTH= TOTAL DUCT AREA / DUCT WIDTH

*CAPTIVE-AIRE DUCT CONNECTION SIZES ARE CALCULATED USING AN EXHAUST VELOCITY OF 1500-1800 FPM AND A SUPPLY VELOCITY OF 300-400 FPM.

BUILDING CODES

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH:



Listed under ETL File number 3054804-001/002

CLEARANCE TO COMBUSTIBLES

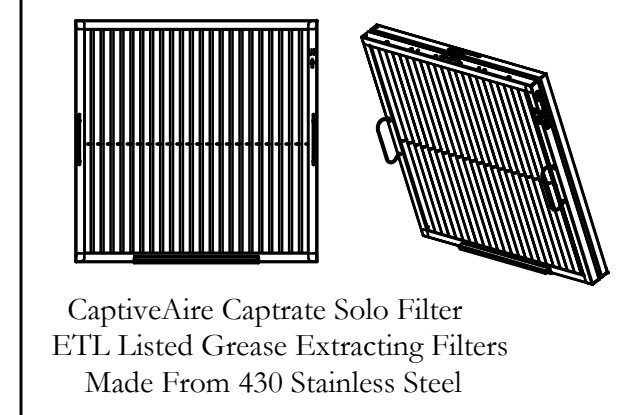
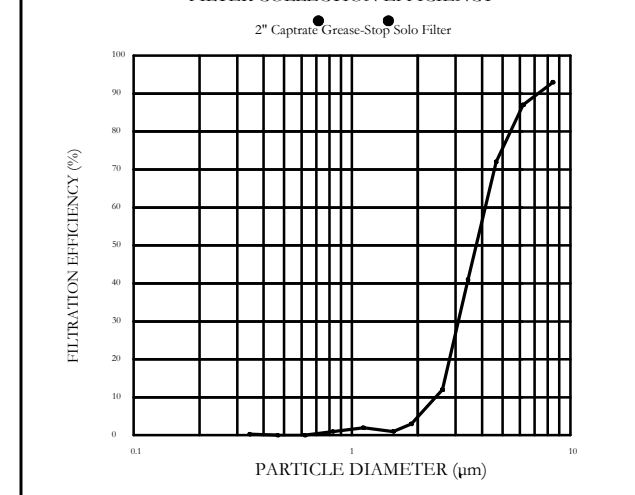
CAPTIVE-AIRE HOODS HAVE OPTIONAL CLEARANCE REDUCTION SYSTEMS AVAILABLE AS FOLLOWS:

MATERIAL	CLEARANCE REDUCTION SYSTEM
NON-COMBUSTIBLE	NONE REQUIRED
LIMITED-COMBUSTIBLE	3" UNINSULATED STANDOFF
COMBUSTIBLE	1" INSULATED STANDOFF

GENERAL NOTES

- ALL ELECTRICAL "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY ELECTRICAL CONTRACTORS.
- ALL PLUMBING "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY PLUMBING CONTRACTORS.
- HANGING BRACKETS LOCATED AND WELDED AS SHOWN ON PLANS. ALL OTHER HANGER MATERIALS PROVIDED BY INSTALLING CONTRACTORS.
- ALL CONNECTIONS FROM CAPTIVE-AIRE DUCT PER MECHANICAL CONTRACTORS TO PLUMBING CONTRACTORS.
- COOKING EQUIPMENT TO SHUTOFF IN EVENT OF FIRE.
- EXHAUST FANS TO TURN ON IN EVENT OF FIRE.
- ALL LIGHTS TO BE INSTALLED BY CAPTIVE-AIRE ARE FACTORY PREWIRED. INTERCONNECTIONS BETWEEN HOODS AND TO SWITCHES BY ELECTRICAL CONTRACTORS.
- LAMPS FOR LIGHT FIXTURES BY INSTALLING CONTRACTORS.
- SEISMIC RESTRAINTS ARE RESPONSIBILITY OF INSTALLING CONTRACTOR.
- INSTALLING CONTRACTORS ASSUME ALL RELATED RESPONSIBILITY FOR VERIFICATION OF DIMENSIONAL DATA CONTAINED ON THESE DOCUMENTS FOR ACCURACY, INTEGRATION, AND ADMINISTRATION OF CODE REQUIREMENTS IN EFFECT PRIOR TO ANY RELEASE FOR PRODUCTION OF EQUIPMENT SHOWN.
- KITCHEN HOODS MUST BE BALANCED WITH KITCHEN.
- KITCHEN SHALL BE NEGATIVE WITH RESPECT TO DINING AREA.
- RESTAURANT SHALL BE POSITIVE WITH RESPECT TO AMBIENT PRESSURE.
- WRITTEN HOOD DIMENSIONS HAVE PRECEDENCE OVER SCALE.
- SIGNED AND "APPROVED" COPIES OF THIS DOCUMENT MUST BE PROVIDED BY THE FACTORY PRIOR TO COMMENCEMENT OF FABRICATION.

FILTER DETAIL



Captive-Aire Captrate Solo Filter
 ETL Listed Grease Extracting Filters
 Made From 430 Stainless Steel

HOOD INFORMATION - JOB#7576108

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX CODING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST FLEXIBLE DUCT	HOOD CONSTRUCTION	HOOD CONFIG	PATENT NUMBERS
1	ITEM 33A	5424 ND-2	CAPTIVEAIRE	8' 0"	450 DEG	I	MEDIUM	200	1600	4" 14' 1600 1497 -0.734"	430 SS WHERE EXPOSED	ALONE FRONT	EXHAUST HOODS ND-2/BD-2/SND-2 (CANADA) - CA PATENT 2520435 C.
2	ITEM 33B	5424 ND-2	CAPTIVEAIRE	5' 0"	450 DEG	I	MEDIUM	155	775	4" 10' 775 1421 -0.436"	430 SS WHERE EXPOSED	ALONE ALONE	

HOOD INFORMATION

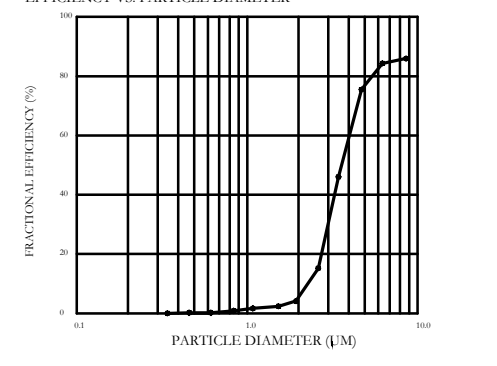
HOOD NO	TAG	TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM	ELECTRICAL MODEL #	SWITCHES QUANTITY	FIRE SYSTEM PIPING WEIGHT	
1	ITEM 33A	CAPTIVATE SLD FILTER	5	16"	16'	85% SEE FILTER SPEC	2	RECESSED ROUND	NO	LEFT	12"x54"x24"	TANK FS	4.0/4.0/4.0	DCV-2111	1 LIGHT 1 FAN	YES 918 LBS
2	ITEM 33B	CAPTIVATE SLD FILTER	3	16"	16'	85% SEE FILTER SPEC	2	RECESSED ROUND	NO							YES 355 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	ITEM 33A	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT. LEFT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS. RIGHT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS. INSULATION FOR TOP OF HOOD. INSULATION FOR BACK OF HOOD. RISER SENSOR INSTALL 6IN PLEN.
2	ITEM 33B	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT. LEFT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS. RIGHT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS. INSULATION FOR TOP OF HOOD. INSULATION FOR BACK OF HOOD. RISER SENSOR INSTALL 6IN PLEN.

SPECIFICATION: CAPTIVATE GREASE-STOP SLD FILTER

THE CAPTIVATE GREASE-STOP SLD FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-SHAPLE DESIGN IN CONJUNCTION WITH A SLOTTED REAR BAFFLE DESIGN TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY. FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 6-INCH DEEP HOOD CHANNELS.



UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE. THE CAPTIVATE GREASE-STOP SLD IS TESTED TO ASTM STANDARD ASTM F2819-05. MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.

CLEARANCE TO COMBUSTIBLES

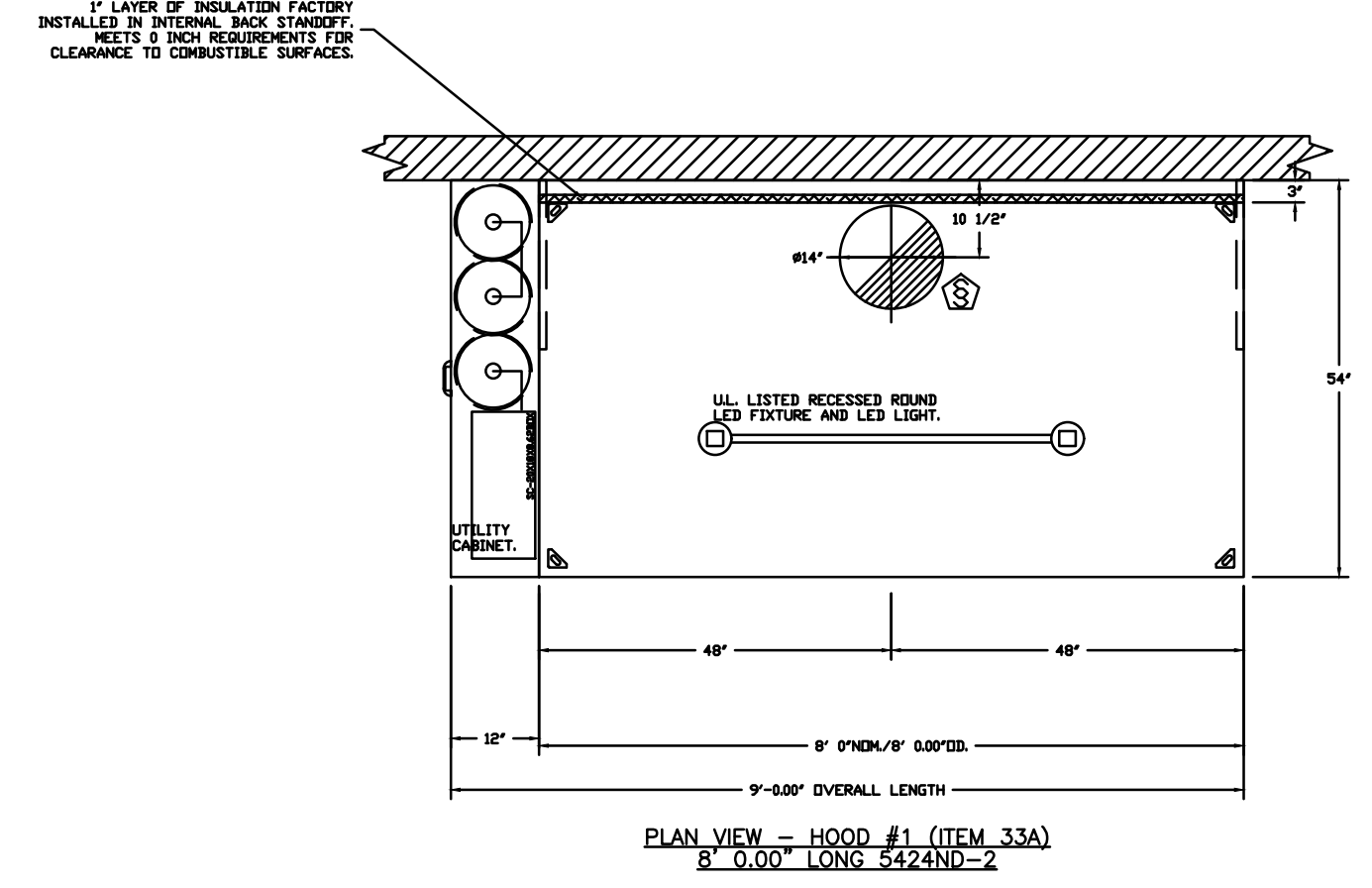
CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH:
 NFPA 96
 NSF STANDARD 82
 UL STANDARD 706
 INT. MECH. CODE (M.C.)
 ULC-5649.



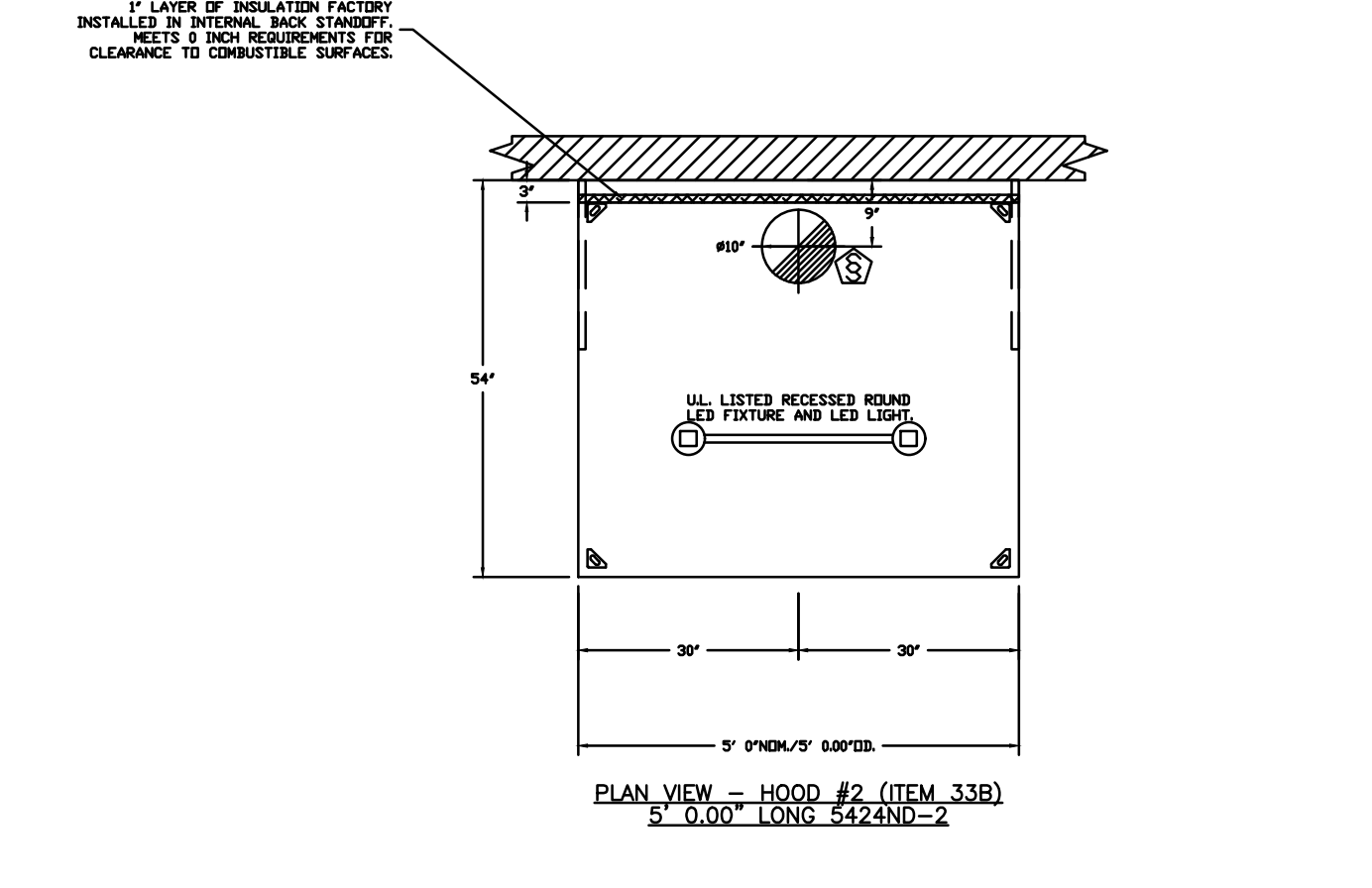
IT IS THE RESPONSIBILITY OF THE ARCHITECT/OWNER TO ENSURE THAT THE HOOD CLEARANCE FROM LIMITED COMBUSTIBLE AND COMBUSTIBLE MATERIALS IS IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS.

UTILITY CHECKLIST

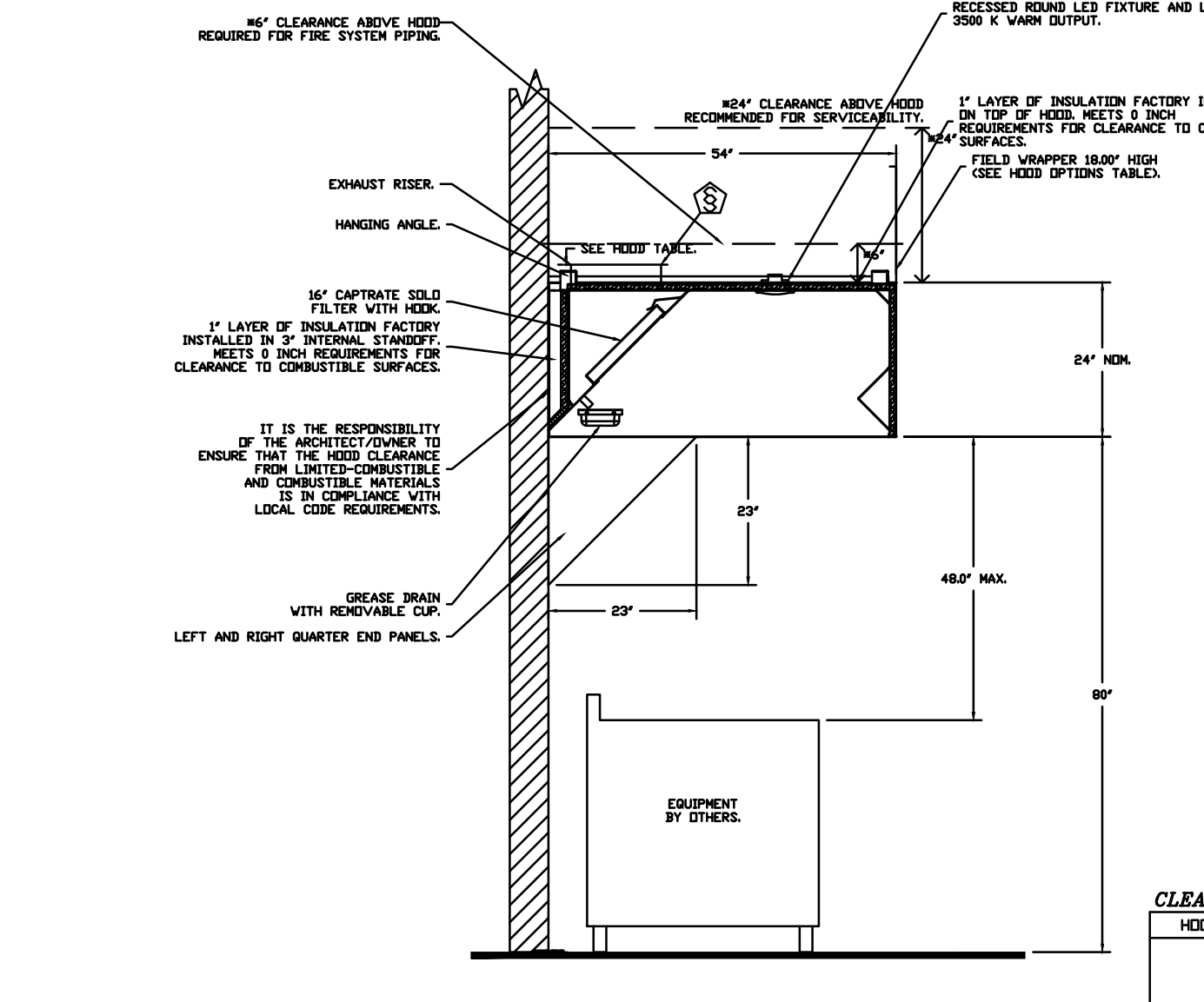
TYPE	SIZE	TYPE	SIZE	TYPE	SIZE
ELECTRICAL	MODEL #	QUANTITY	FIRE HOOD	TYPE	SIZE
DCV-2111	1 LIGHT 1 FAN	YES	4.0/4.0/4.0	TANK FS	12"x54"x24"



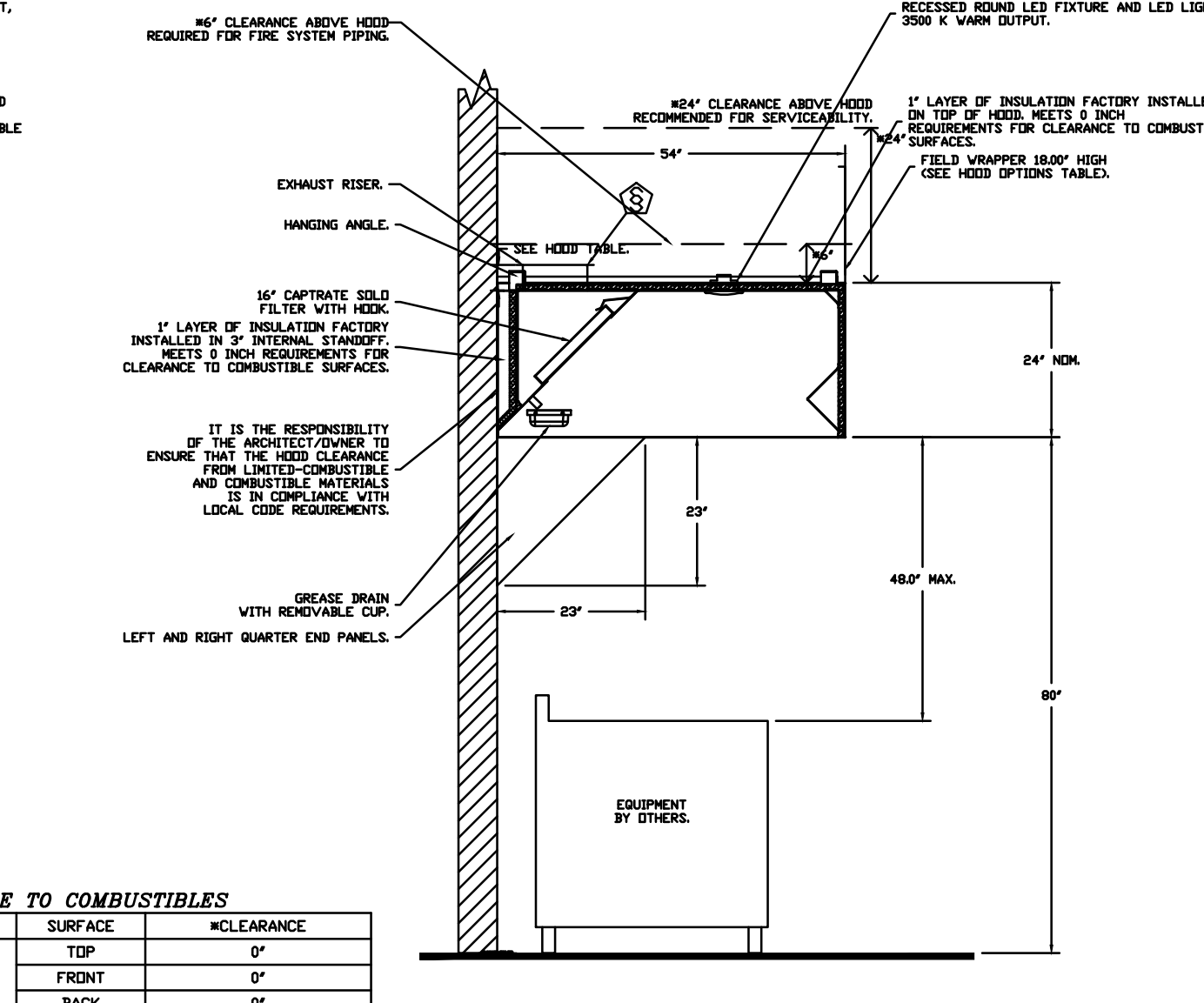
PLAN VIEW - HOOD #1 (ITEM 33A)
 9' 0.00" LONG 5424ND-2



PLAN VIEW - HOOD #2 (ITEM 33B)
 5' 0.00" LONG 5424ND-2



SECTION VIEW - MODEL 5424ND-2
 HOOD - #1 (ITEM 33A)



SECTION VIEW - MODEL 5424ND-2
 HOOD - #2 (ITEM 33B)

CLEARANCE TO COMBUSTIBLES

HOODS #	SURFACE	CLEARANCE
1	TOP	0"
	FRONT	0"
	BACK	0"
	LEFT	0"
2	RIGHT	18"
	TOP	0"
	FRONT	0"
	BACK	0"
	LEFT	18"
	RIGHT	18"

- 40" CLEARANCE TO COMBUSTIBLES CONFORMS TO UL710 STANDARD.
 - HOOD MOUNTED UTILITY CABINETS REQUIRE 36" SERVICE CLEARANCE.

***** NOTE *****
 ALL WALLS AND STRUCTURES THAT COME WITHIN 18" OF HOOD MUST BE METAL STUDS AND SHEETROCK. WOOD STUDS OR ANY OTHER COMBUSTIBLE MATERIAL WITHIN 18" OF HOOD NOT ALLOWED.

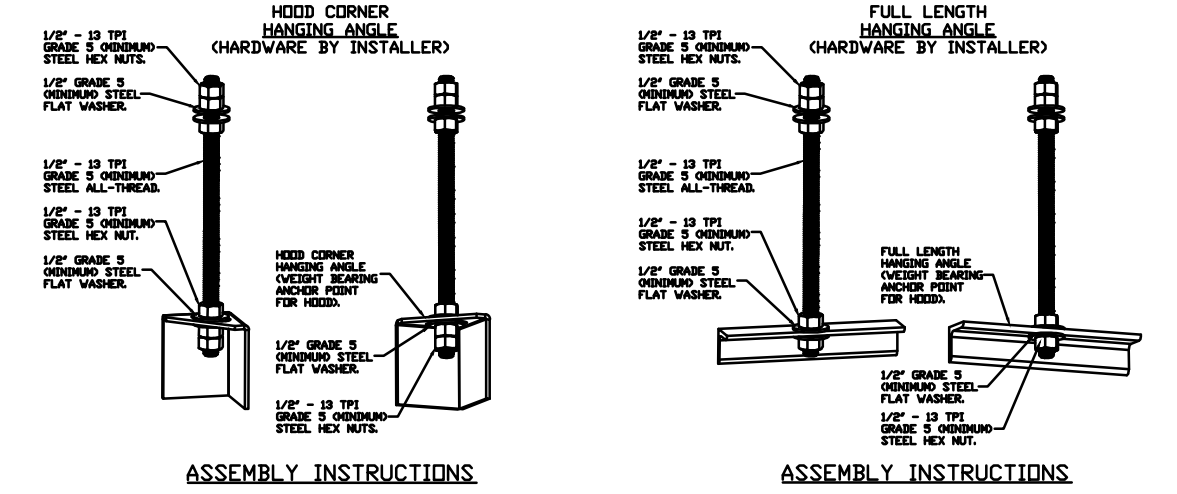
***** NOTE *****
 HOOD MANUFACTURER RECOMMENDS NO RETURNS OR 4-WAY DIFFUSERS WITHIN 10 FEET OF HOOD IN ALL DIRECTION.

***** NOTE *****
 MAKEUP AIR SHALL BE DELIVERED INTO SPACE IN MANNER THAT WILL NOT DISRUPT HOODS ABILITY TO CAPTURE AND CONTAIN.

FOR QUESTIONS, CALL THE:
 KANSAS CITY REGIONAL OFFICE
 1128 SWIFT STREET, KANSAS CITY, MO 64116
 PHONE: (816) 221-8575
 FAX: (816) 221-8311

CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted
 Approved with ND Exception Taken
 Revise and Resubmit
 SIGNATURE _____ DATE _____
 Your Title _____

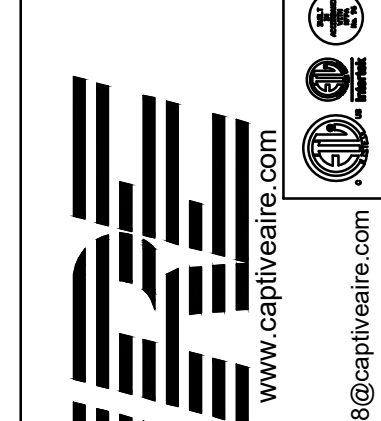


ASSEMBLY INSTRUCTIONS

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.	DESCRIPTION	DATE



Freddy's - Versailles, KY
Versailles, KY, 40383

DATE: 6/10/2025
 DWG.#: 7576108
 DRAWN BY: michael.co
 SCALE: 1/2" = 1'-0"
 MASTER DRAWING

SHEET NO. 1

BC PROJECT #: 25483
 KENTUCKY PE COA #1723

ERIK BRADLEY KNUDSEN 29951

5720 Reeder Shawnee, KS 66203 (913)262-1772

BC ENGINEERS INCORPORATED

Freddy's FROZEN CUSTARD & STEAKBURGERS®

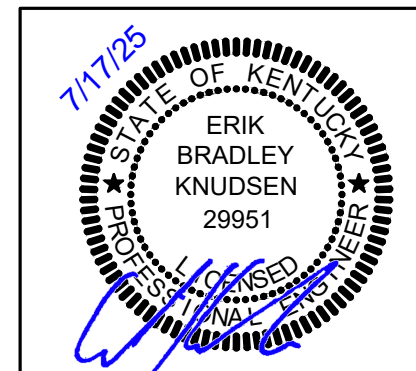
1031 TYRONE PIKE, VERSAILLES, KY 40383

johnson · early · architects
 546 East Main Street, Suite 101 · Lexington, KY 40508
 phone: 859-259-1515 · fax: 859-231-5060 · email: earlyjb@jeaarchitects.net

MECHANICAL HOOD PLANS

DATE: 07/17/2025
 DRAWN BY: FJAK
 CHECKED: EKCS
 REVISIONS

M4



7/17/25

ERIK BRADLEY KNUDSEN 29951

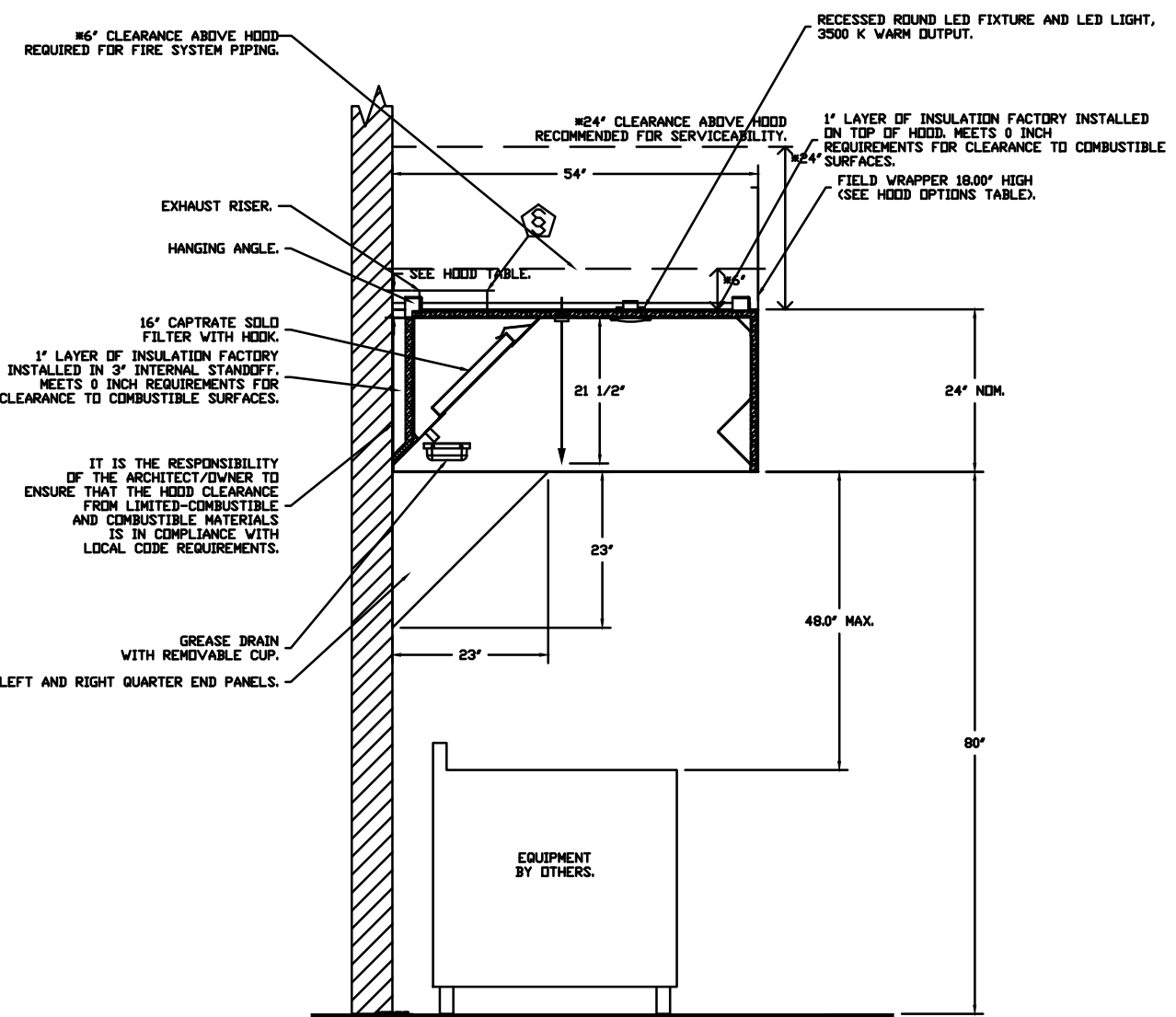
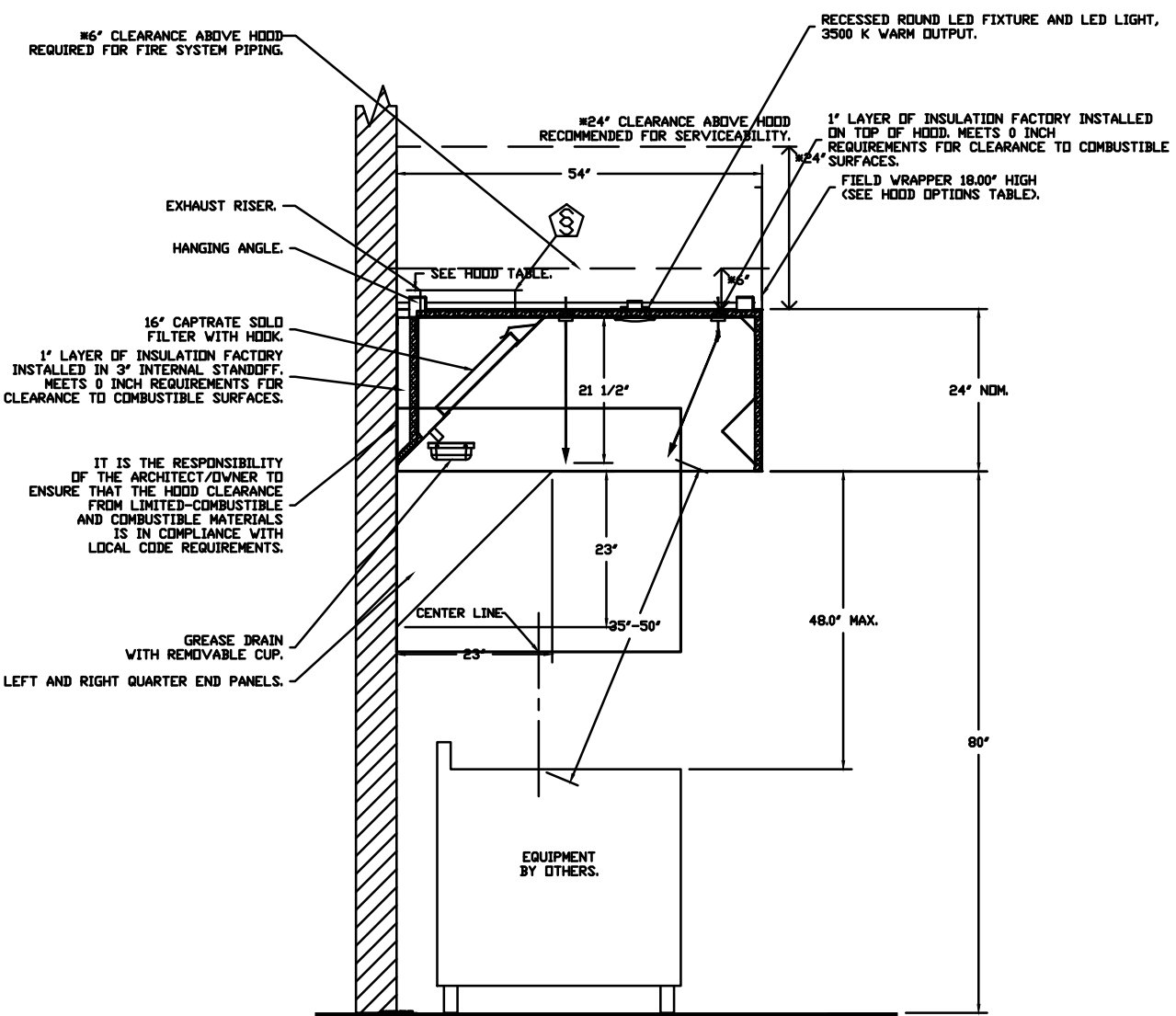
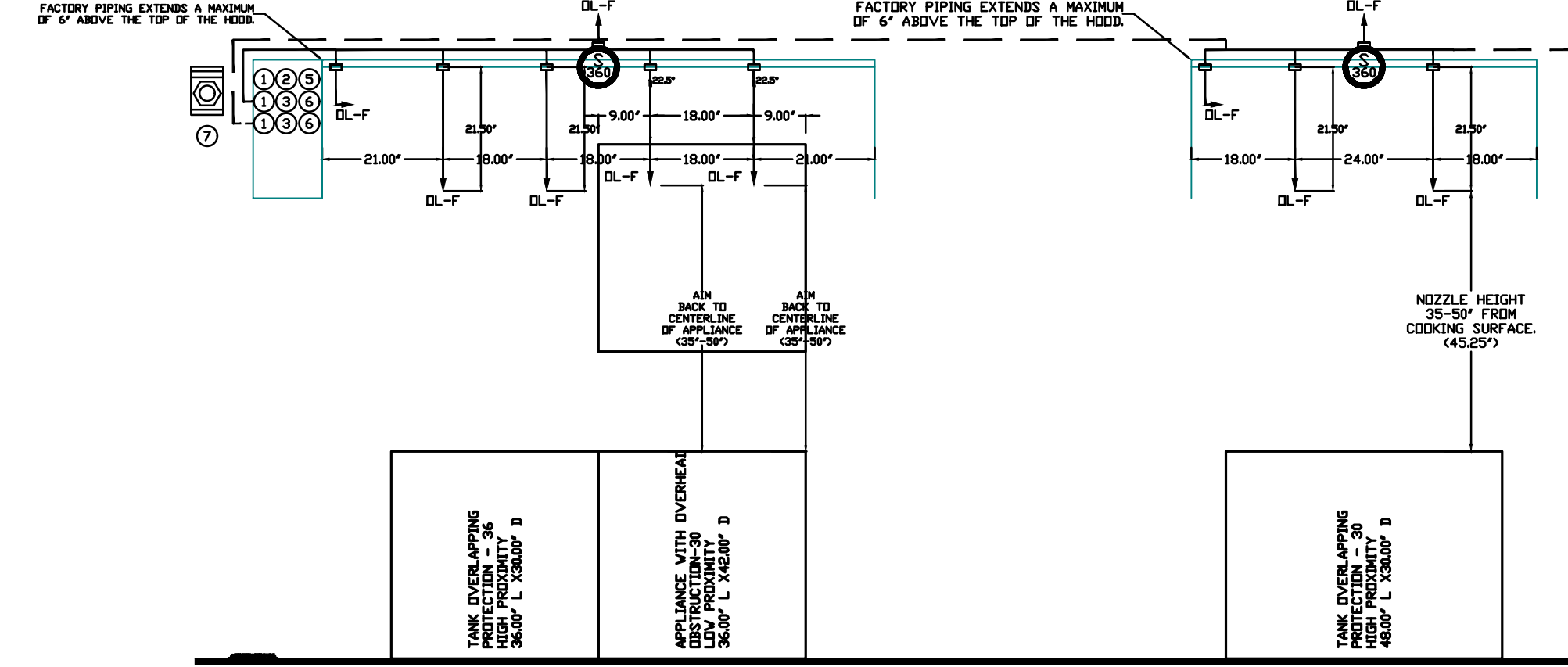
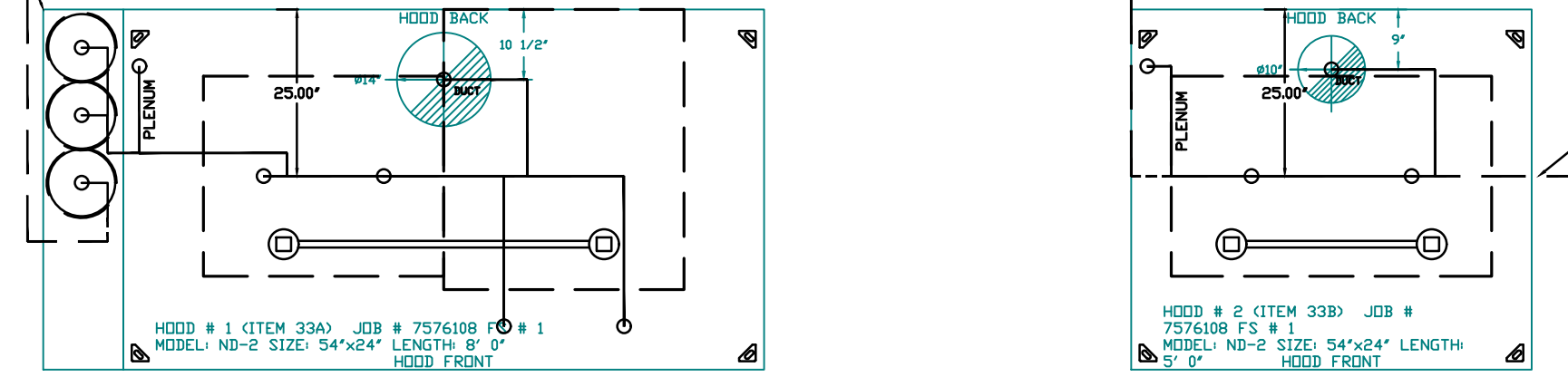
FIRE SYSTEM INFORMATION - JOB#7576108						
FIRE SYSTEM NO.	TAG	TYPE	SIZE	MAX FP	DESIGN FP	INSTALLATION
1	FS - 33A/B	TANK FS	4.0/4.0/4.0	60	42	FIRE CABINET LEFT, LEFT, HOOD 1

GAS VALVE(S)				
FIRE SYSTEM NO.	TAG	TYPE	SIZE	SUPPLIED BY
1	FS - 33A/B	SC ELECTRICAL	1.000	CAPTIVEARE SYSTEMS

FIRE SYSTEM PARTS LIST KEY				
FIRE SYSTEM NO.	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST

0 -	0 -	TANK FIRE SUPPRESSION POST-DISCHARGE PROCEDURE UTILITY CABINET LABEL SHEET.	1	0
0 -	0 -	TANK FIRE SUPPRESSION MAINTENANCE GUIDE UTILITY CABINET LABEL SHEET.	1	0
0 -	0 -	15-FR001-32144-07-360 BUTT FIRE THERMISTAT WITH 12 FOOT WIRE LEADS. ND. CLOSE ON TEMP RISE AT 360°F. (A0034303).	2	0
0 -	0 -	38-0000 QUIK SEAL - 1/2" O.D.L.	2	0
0 -	0 -	30209 3/8" BRASS FLUG	3	0
0 -	0 -	4429K153 1/2" MALE NPT TO 1/2" FEMALE NPT ELBOW, BRASS.	3	0
0 -	0 -	4429K422 1/2" X 1/4" BRASS REDUCING BUSHING.	2	0
0 -	0 -	79425 3/8" NPT FEMALE TO 1/2" MALE PROGRESS ADAPTER.	3	0
0 -	0 -	79253 1/2" 90 PRO-PRESS ELBOW WITH 1/2" NPT FEMALE CONNECTION, VIEGA.	2	0
0 -	0 -	79260 1/2" X 1/2" PRO-PRESS TEE X 1/2" NPT FEMALE CONNECTION, VIEGA.	3	0
0 -	0 -	87-150045-001 SECONDARY ACTUATOR VALVE (SVA) - SINGLE ACTUATOR, REQUIRES PRIMARY RELEASE ACTUATOR, TANK FIRE SUPPRESSION.	2	0
0 -	0 -	87-150045-001 HOSE, SECONDARY ACTUATOR HOSE, 7.5' BRAIDED STAINLESS STEEL, TANK FIRE SUPPRESSION.	2	0
0 -	0 -	87-30000-001 TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	3	0
0 -	0 -	87-30002-001 PRIMARY ACTUATOR KIT (PAO) - ACTUATOR AND RELEASE SOLENOID ASSEMBLY, ONE NEEDED PER FIRE SYSTEM SUPERVISED, TANK FIRE SUPPRESSION.	1	0
0 -	0 -	87-30003-001 DIN CONNECTOR, CANFIELD PART #S.0560-001-00A, TANK FIRE SUPPRESSION, SUBMINATURE SOLENOID CONNECTION (SEE VENDOR 30373).	1	0
0 -	0 -	87-30005-001 HARDWARE, SVA BELTS, TANK FIRE SUPPRESSION.	12	0
0 -	0 -	902545SP2 PRO PRESS 1/2 PRESS X PRESS 3/8 ELBOW L.D.	9	0
0 -	0 -	9097200PC PRO PRESS P611 1/2 PRESS TEE L.D.	9	0
0 -	0 -	98694015 HARDWARE, DATA/LOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC, TANK FIRE SUPPRESSION.	6	0
0 -	0 -	A003432 JUNCTION BOX FOR MANUAL PULL STATION 1.5" DEEP BACK BOX, RED COLOR.	1	0
0 -	0 -	A31484 1/4" NPT SCRAMBLER VALVE AND CAP, JB INDUSTRIES, 1/4" FLARE X 1/4" NPT HALF UNION, USED IN TANK SERVICE POINT.	2	0
0 -	0 -	B1145 3/8" BLACK IRON 90 ELL.	4	0
0 -	0 -	CR1-225 CHROME PLATED PIPE FITTING 3/8" NPT 225 DEGREE ELBOW.	2	0
0 -	0 -	DATAM/LOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	3	0
0 -	0 -	SLPCDN-SOFT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN END TO END HOODS WITH LESS THAN 6 FT GAP. KIT CONTAINS 5 FEET OF BLACK NG WIRE, 5 FEET OF TAN NG WIRE, 3 FEET OF FLEXIBLE CONDUIT, AND TWO 1/8" CONNECTORS.	1	0
0 -	0 -	SLPCDN-SOFT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN HOODS WITH UP TO 25 FT GAP. KIT CONTAINS 32 FEET OF BLACK NG WIRE, 32 FEET OF TAN NG WIRE, 30 FEET OF FLEXIBLE CONDUIT, AND TWO 1/8" CONNECTORS.	2	0
0 -	0 -	TANK STRAP TANK STRAP - USED FOR TANK FIRE SUPPRESSION.	9	0
0 -	0 -	T13-T13TANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	3	0
0 -	0 -	W1-089392-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	3	0
16 -	16 -	79253 1/2" X 1/2" 90° NPT MALE ADAPTER, VIEGA.	10	0
16 -	16 -	DL-F NOZZLE - TANK PROTECTION APPLIANCE COVERAGE NOZZLE (INCLUDES METAL BLOW OFF CAP, LAMINAR, USED WITH CHROME-PLATED PIPE).	10	0
26 -	26 -	024-3/8 QUIK SEAL - 3/8" O.D.L.	10	0
34 -	34 -	A0034331 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT, RED COLOR.	1	0

SYSTEM REQUIRES A MINIMUM OF 7 FT OF EQUIVALENT PIPE LENGTH BETWEEN TANK AND HOODS. APPLIANCE NOZZLES FOR HOODS MUST BE SECURED TO HOOD AND ADD 13 FT OF EQUIVALENT LENGTH SEE MANUAL FOR DETAILS.

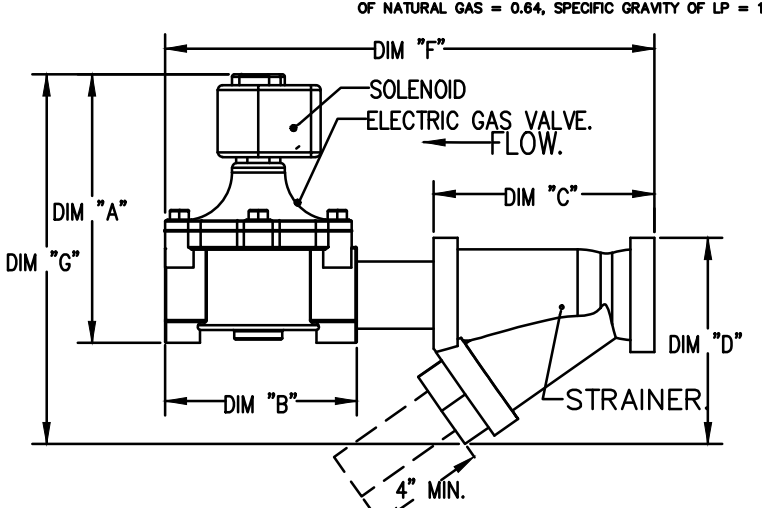


SECTION VIEW - MODEL 6424ND-2 HOOD - #1

SECTION VIEW - MODEL 6424ND-2 HOOD - #2

GAS VALVES AND STRAINERS															
TYPE	SIZE	VOLTAGE	GAS VALVE SIZING			GAS VALVE DIMENSIONS						INSTALLATION		PART NUMBERS	
			MIN. INLET PRESSURE	MAX. INLET PRESSURE	MAX. FLOW AT 1 INLET DROP NATURAL GAS	DM "A"	DM "B"	DM "C"	DM "D"	DM "E"	DM "F"	DM "G"	DM "H"	DM "I"	DM "J"

DIAGRAMS AND DIMENSIONS FOR GAS VALVES AND STRAINERS. THE DRAWING PROVIDES DIMENSIONS FOR THE VALVES AND STRAINERS. THE DIMENSIONS ARE GIVEN IN INCHES AND MILLIMETERS. THE DIMENSIONS ARE GIVEN IN INCHES AND MILLIMETERS. THE DIMENSIONS ARE GIVEN IN INCHES AND MILLIMETERS.



- NOTES
- FIELD PIPE DROPS AS SHOWN
 - PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY GAS.
 - FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 2 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED.
 - SHIP LOOSE DROP: FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD-INSTALLED.
 - RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVEING, SALAMANDERS, ETC.
 - OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
 - IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE.
 - FACTORY PIPING EXTENDS A MAXIMUM OF 6' ABOVE THE TOP OF THE HOOD.
 - APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.
 - THIS PRE-ENGINEERED FIRE SYSTEM COMPLIES WITH UL 300 REQUIREMENTS.
 - DL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS
 - JOB # 7576108
 - JOB NAME: FREDDY'S - VERSAILLES, KY.

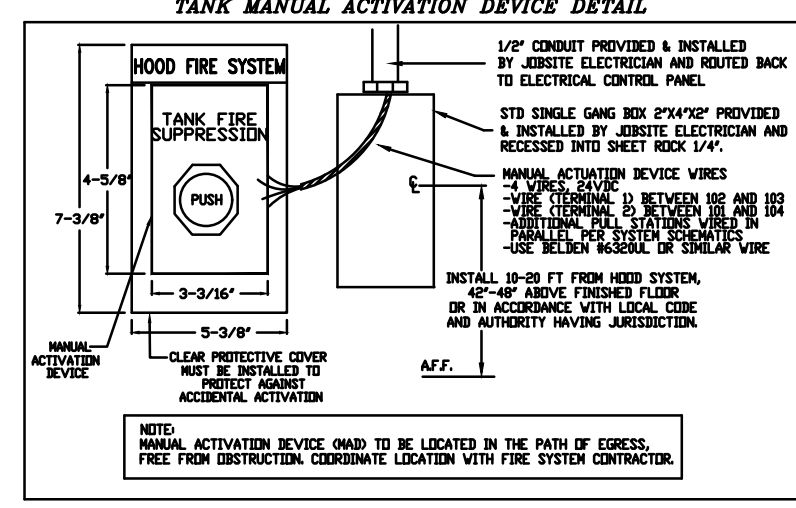
SYSTEM SIZE: TANK-SP-3 DESIGN FPI: 42, MAXIMUM FPI: 60.
 HOOD # 1: 18" 0.00" LONG X 54" WIDE X 24" HIGH.
 RISER # 1: SIZE: 1/4" DIA.
 HOOD # 2: 18" 0.00" LONG X 54" WIDE X 24" HIGH.
 RISER # 2: SIZE: 1/4" DIA.
 HOOD # 1 METAL BLOW-OFF CAPS INCLUDED.
 HOOD # 2 METAL BLOW-OFF CAPS INCLUDED.

- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
 - MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

AGENT DISTRIBUTION PIPING LIMITATIONS	
PIPE SECTION	MAX PIPE LENGTH (FT)
MAX SUPPLY LINE TO FIRST OVERLAPPING NOZZLE	42
OVERLAPPING NOZZLE APPLIANCE BRANCH	10
DEDICATED NOZZLE APPLIANCE BRANCH	10

LEGEND - FIRE CABINET TANK SYSTEM

- 4 GALLON TANK.
- PRIMARY ACTUATOR RELEASE.
- SECONDARY ACTUATOR RELEASE.
- PRESSURE SUPERVISION SWITCH.
- PRIMARY HOSE ASSEMBLY.
- SECONDARY HOSE ASSEMBLY.
- REMOTE MANUAL ACTUATION DEVICE.



REVISIONS	
DESCRIPTION	DATE

CAPTIVEARE
 www.captiveare.com
 HBT Foodservice
 104 W 9th St. Suite 204, Kansas City, MO, 64105
 PHONE: (816) 221-8575 FAX: (816) 221-8311 EMAIL: reg@captivate.com

Freddy's - Versailles, KY
 Versailles, KY, 40383

DATE: 6/10/2025
 DWG #: 7576108
 DRAWN BY: michael.co
 SCALE: 1/2" = 1'-0"
 MASTER DRAWING
 SHEET NO. 2

BC PROJECT #: 25483
 KENTUCKY PE COA #1723

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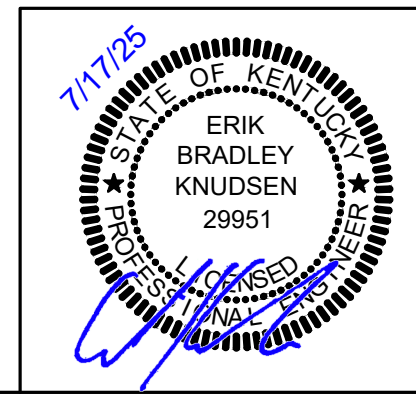
BC ENGINEERS INCORPORATED
 5720 Reeder Shawnee, KS 66203 (913)262-1772



FREDDY'S FROZEN CUSTARD & STEAKBURGERS®
 1031 TYRONE PIKE, VERSAILLES, KY 40383

johnson · early · architects
 546 East Main Street, Suite 101 · Lexington, KY 40508
 phone: 859-259-1515 · fax: 859-231-5060 · email: earlyjb@earthlink.net

MECHANICAL HOOD PLANS
 DATE: 07/17/2025
 DRAWN BY: FOAK
 CHECKED: EKOS
 REVISIONS:
 M5



FAN #3 CAS-HVAC3-I.250-15-15T - HEATER (ITEM 74.3)

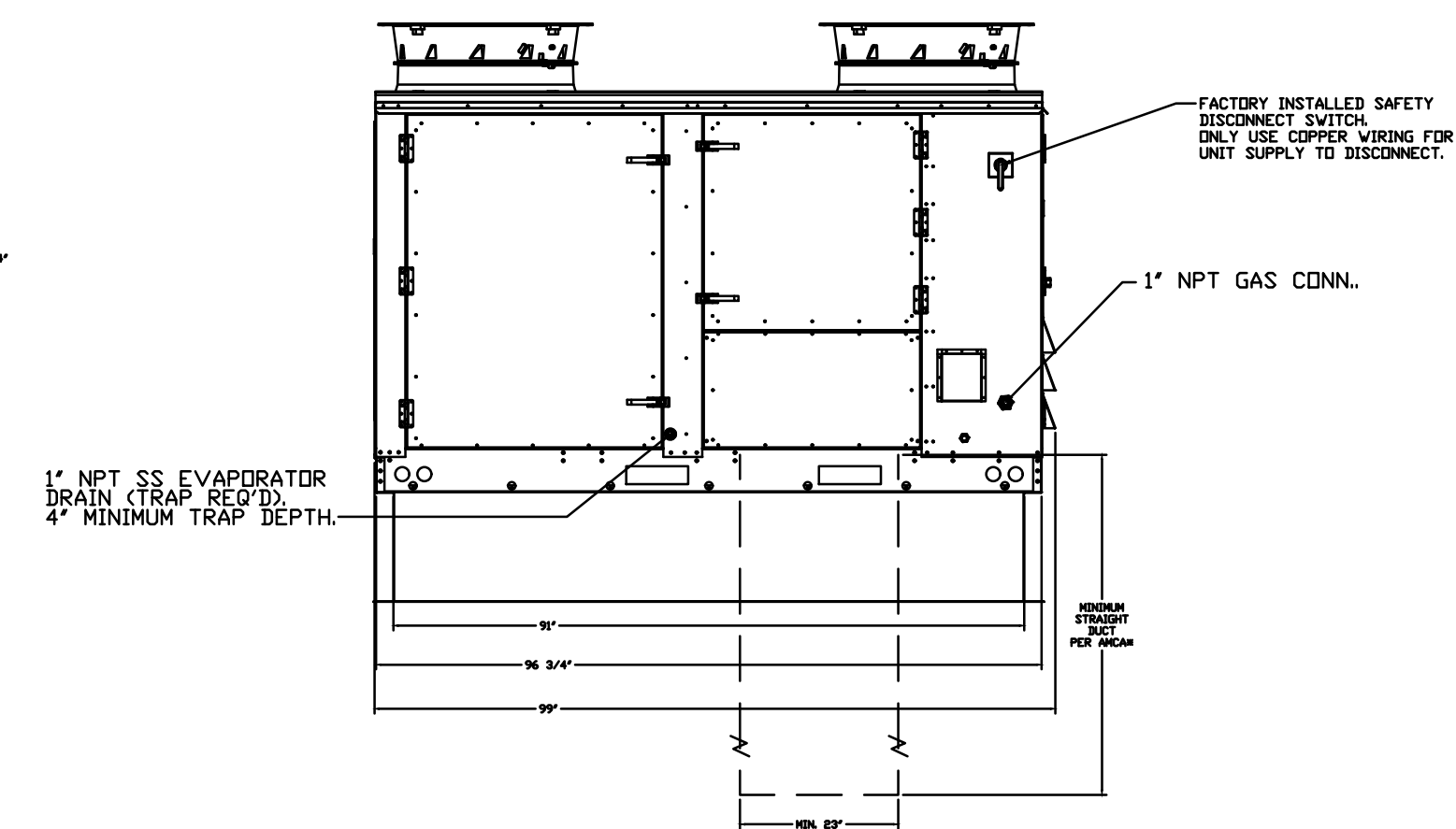
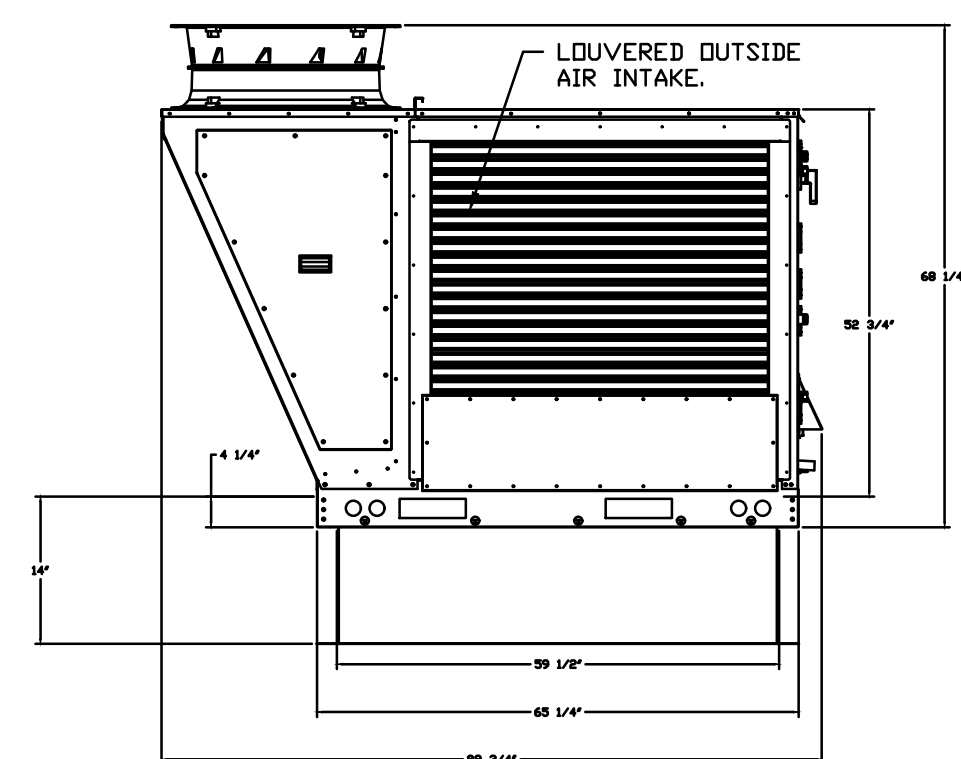
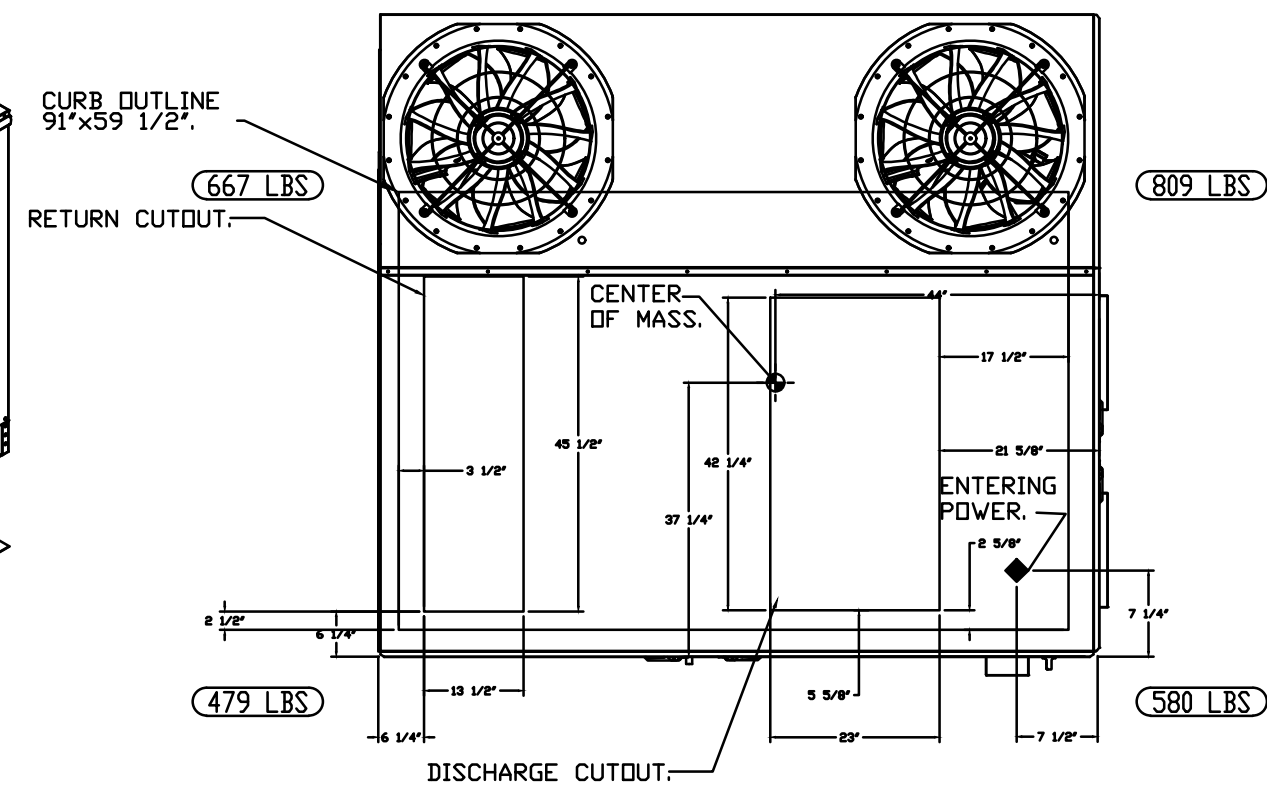
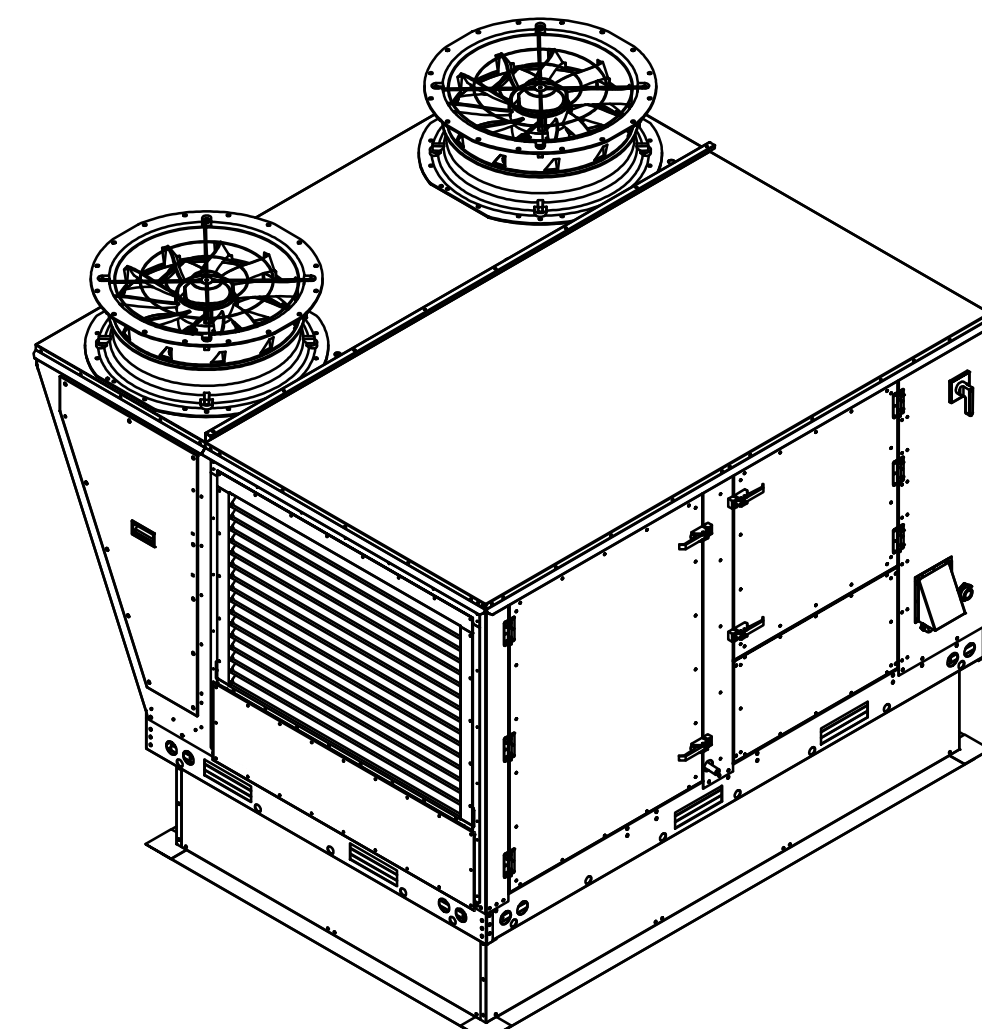
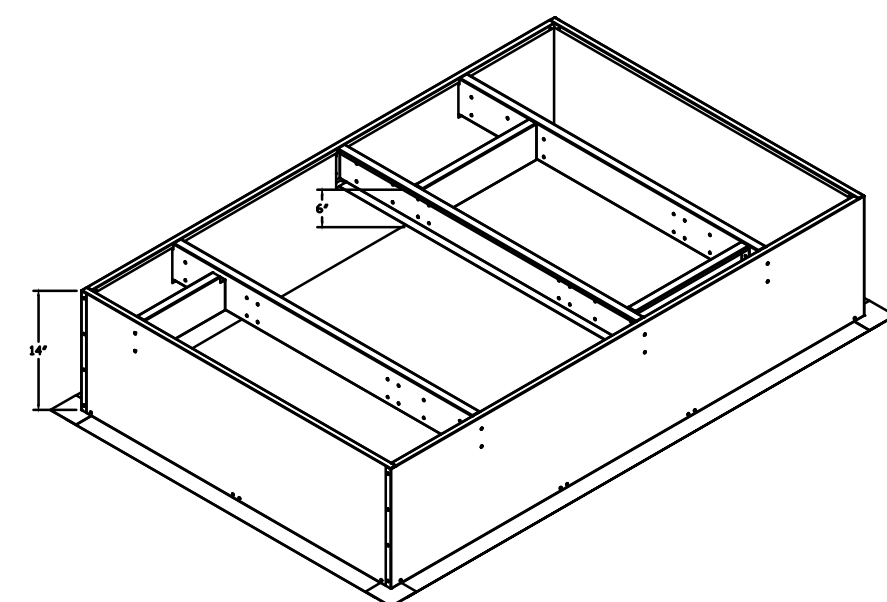
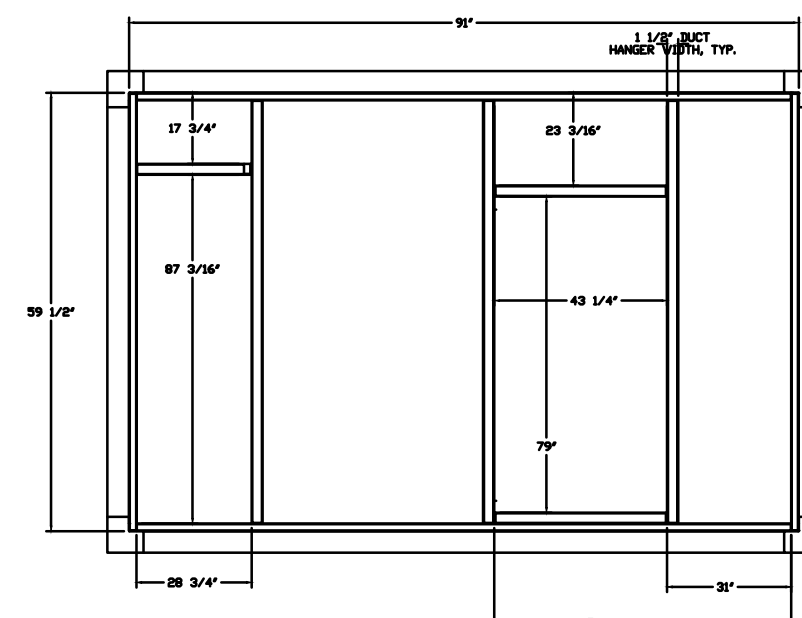
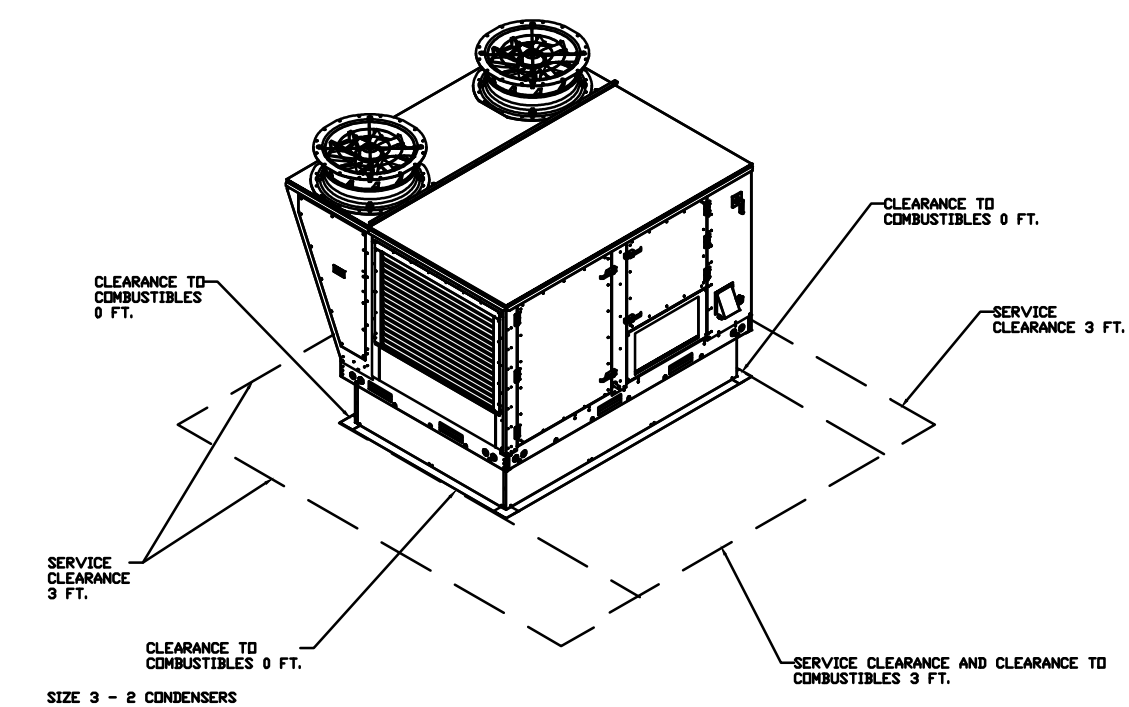
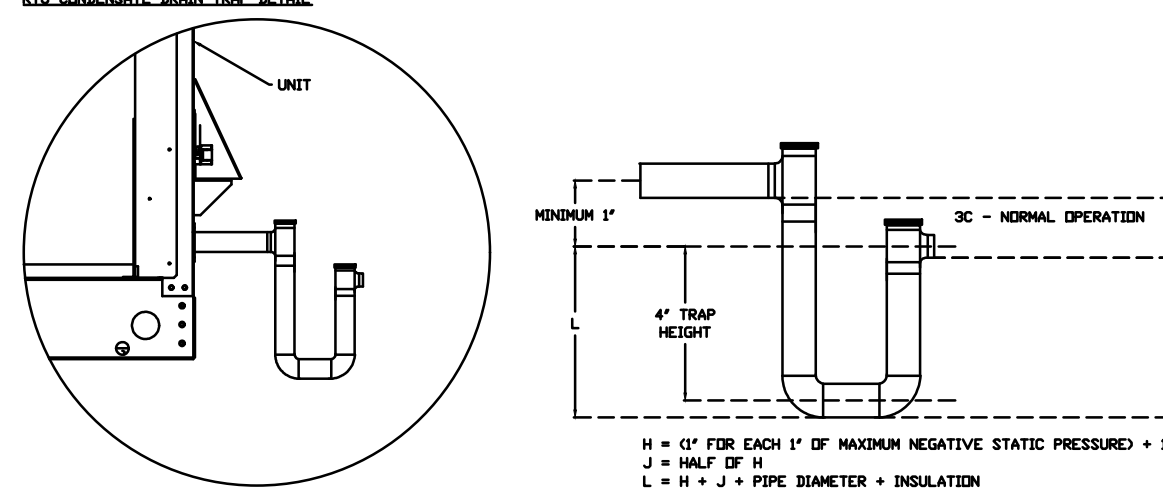
- NOTES:
- DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
 - DENOTES CORNER WEIGHT.
 - ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.
 - CONNECTION FROM BREAKER TO UNITS SAFETY DISCONNECT SWITCH TO BE COPPER WIRE ONLY.
 - EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET.

*NOTE: INTEGRAL CO2 MONITORING AND CONTROL CAPABILITIES FOR ALL SPACE MOUNTED THERMOSTATS.

*NOTE: THIS UNIT IS INTENDED TO SERVE IN PLACE OF THE KITCHEN HVAC ROOF TOP UNIT (RTU) IN ADDITION TO PROVIDING APPROPRIATE MAKE-UP AIR FOR THE KITCHEN HOOD(S). RTU AND ASSOCIATED DUCTWORK SHALL BE REMOVED FROM SCOPE UNLESS REQUIRED FOR INTERNAL LOAD ESTIMATES. FINAL DESIGN SHALL BE REVIEWED AND APPROVED BY THE ENGINEER OF RECORD.

*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 23" x 39".

RTU CONDENSATE DRAIN TRAP DETAIL



REVISIONS	
DESCRIPTION	DATE

CAPTIVE
 HBT Foodservice
 104 W 9th St Suite 204, Kansas City, MO, 64105 PHONE: (816) 221-4575 FAX: (816) 221-4311 EMAIL: reg@captiveware.com
 www.captiveware.com

Freddy's - Versailles, KY
 Versailles, KY, 40383

DATE: 6/10/2025

DWG.#: 7576108

DRAWN BY: michael.co

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

MASTER DRAWING

SHEET NO. 4

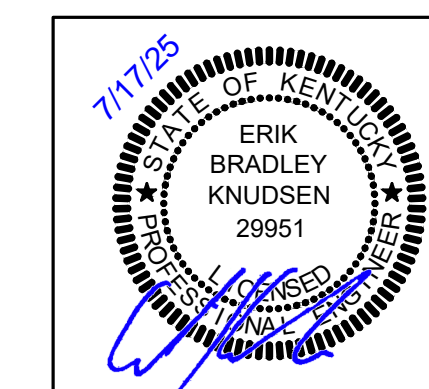
BC PROJECT #: 25483
 KENTUCKY PE COA #1723

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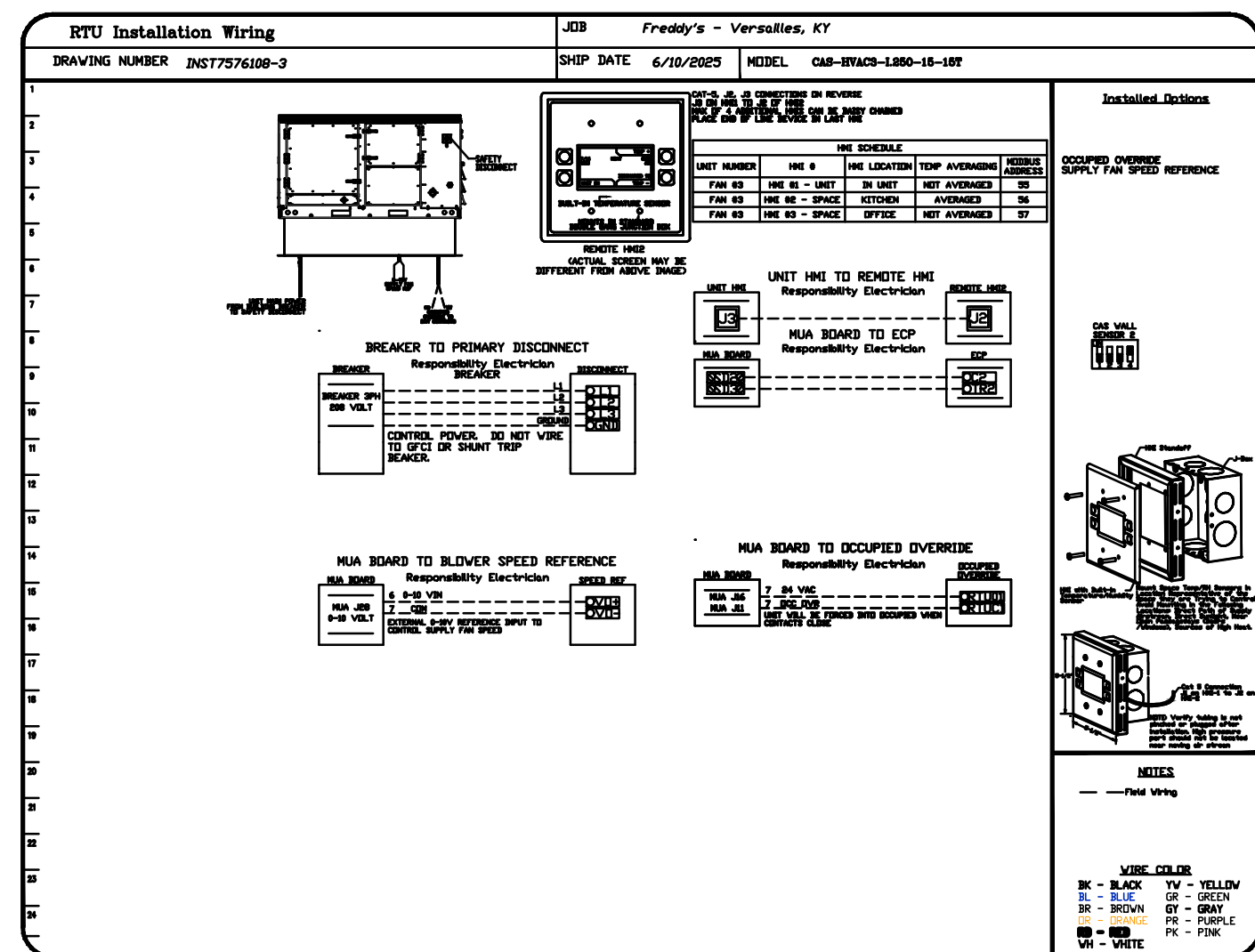
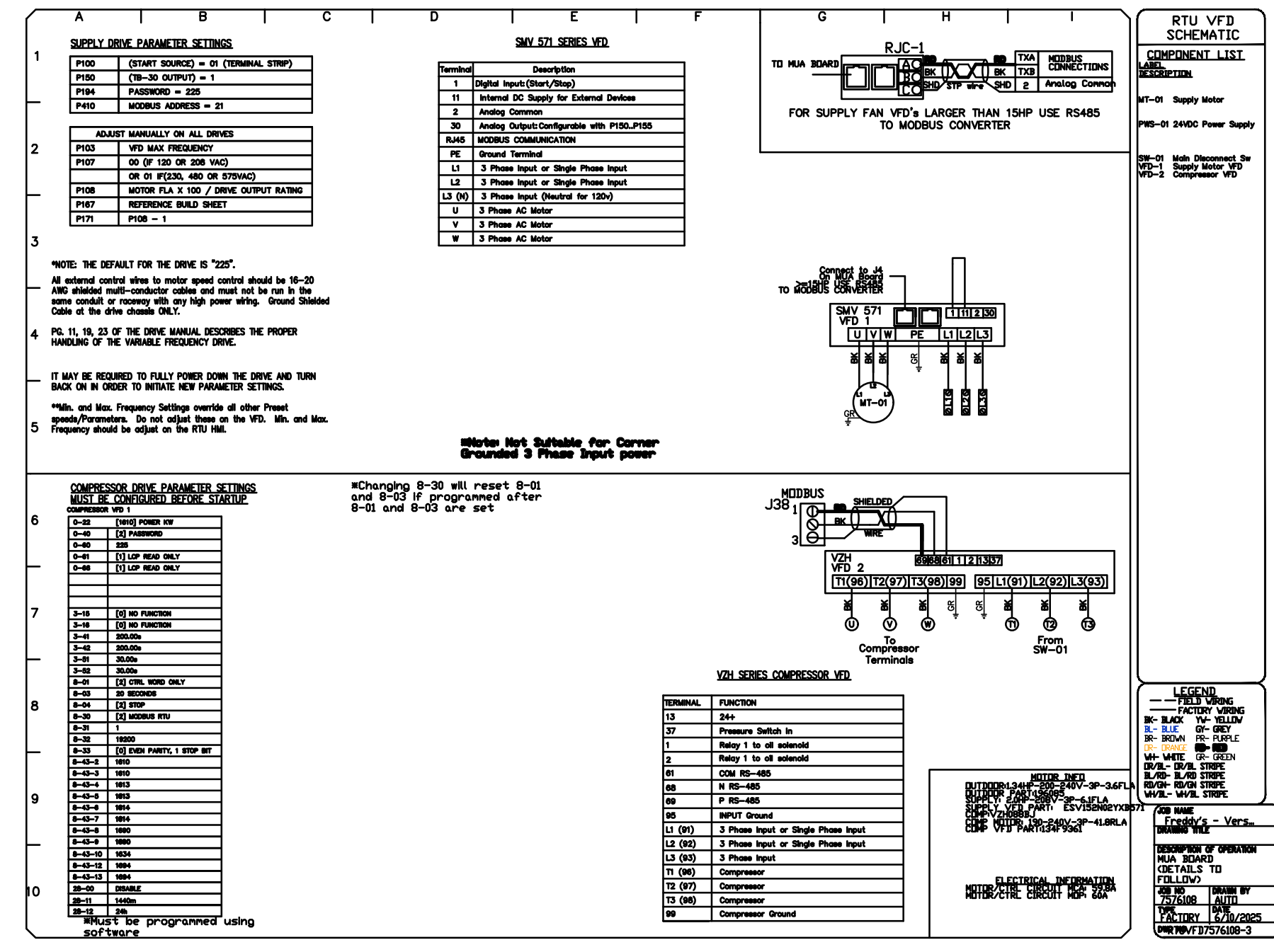
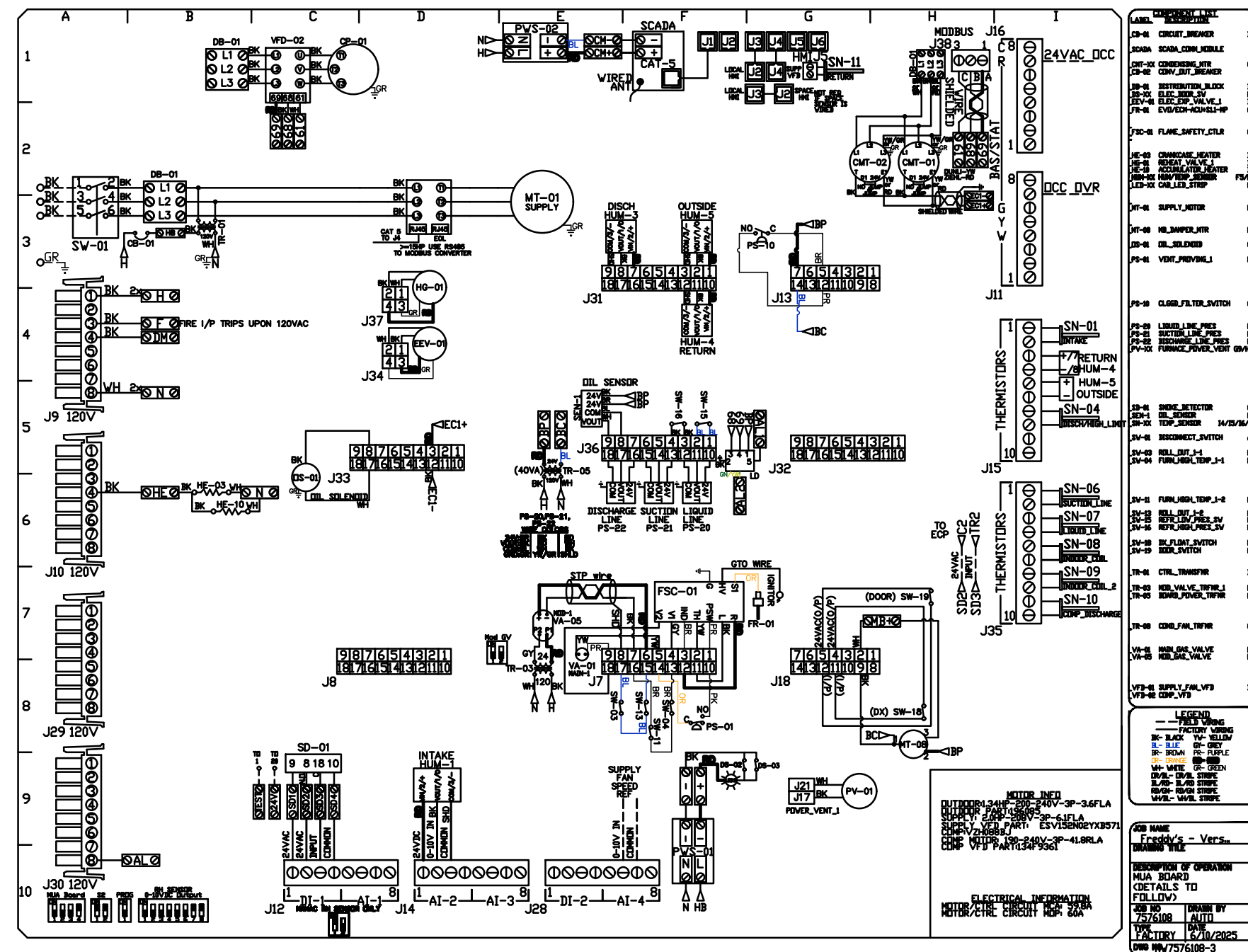
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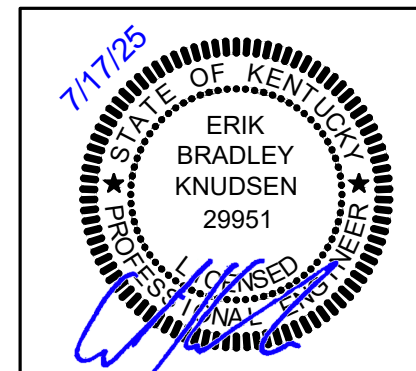
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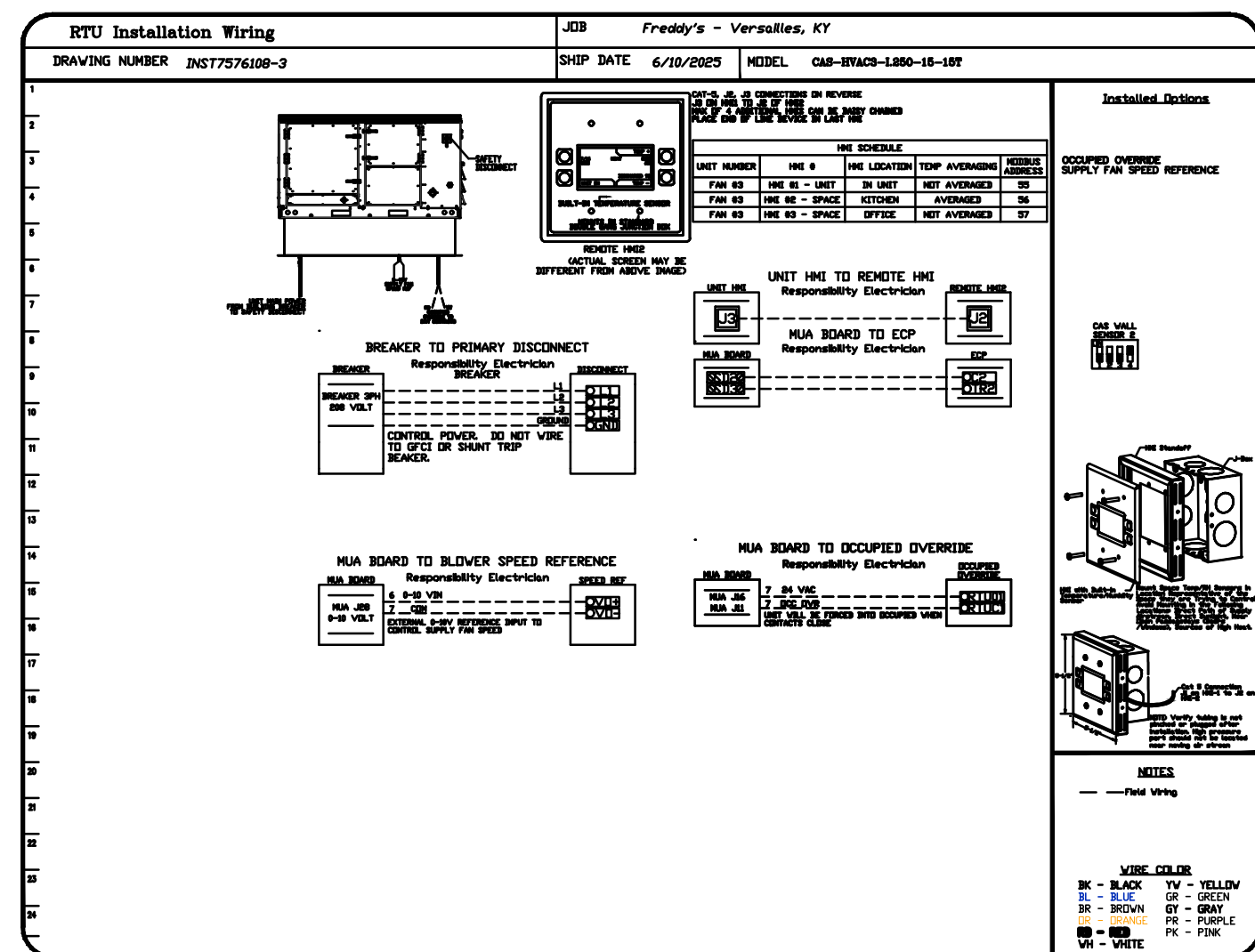
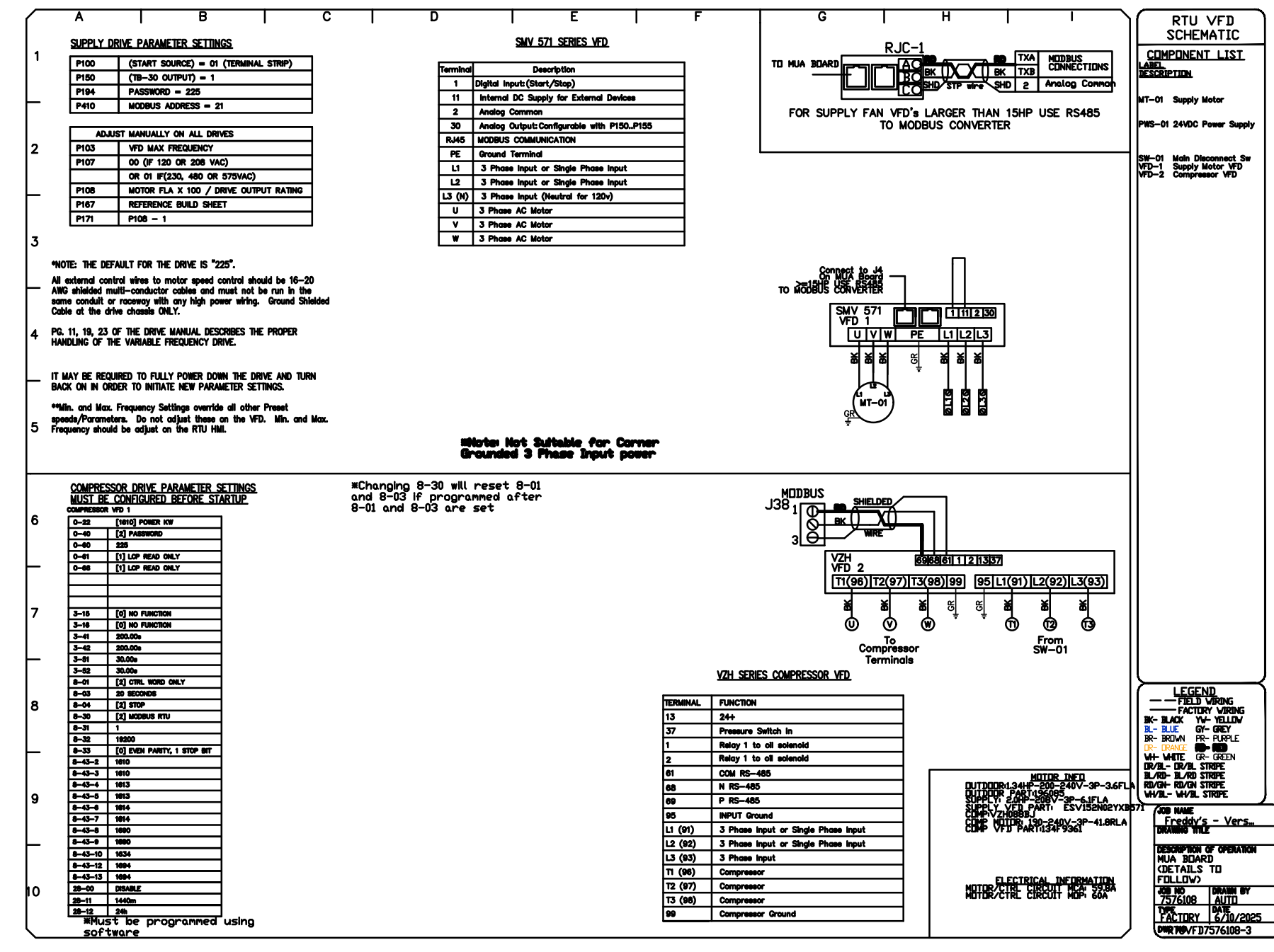
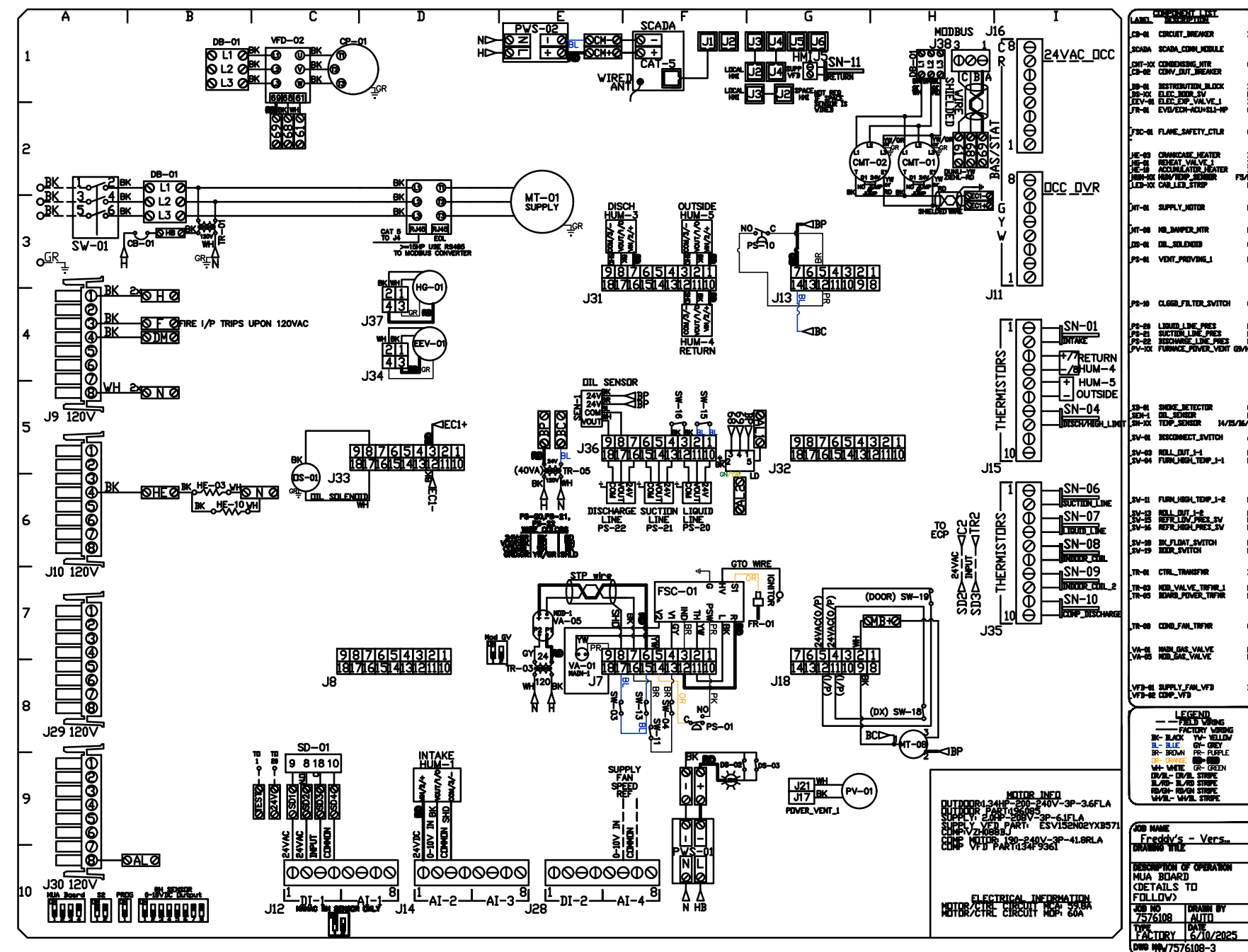
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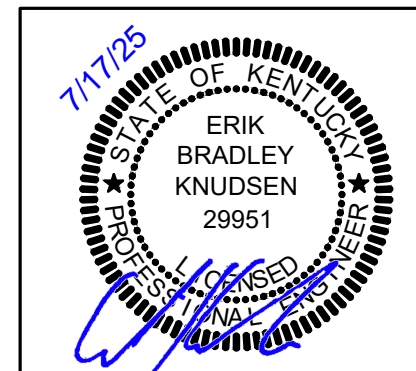
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