

CORRIDOR

STAFF BREAK ROOM

LIVING ROOM

CAFE

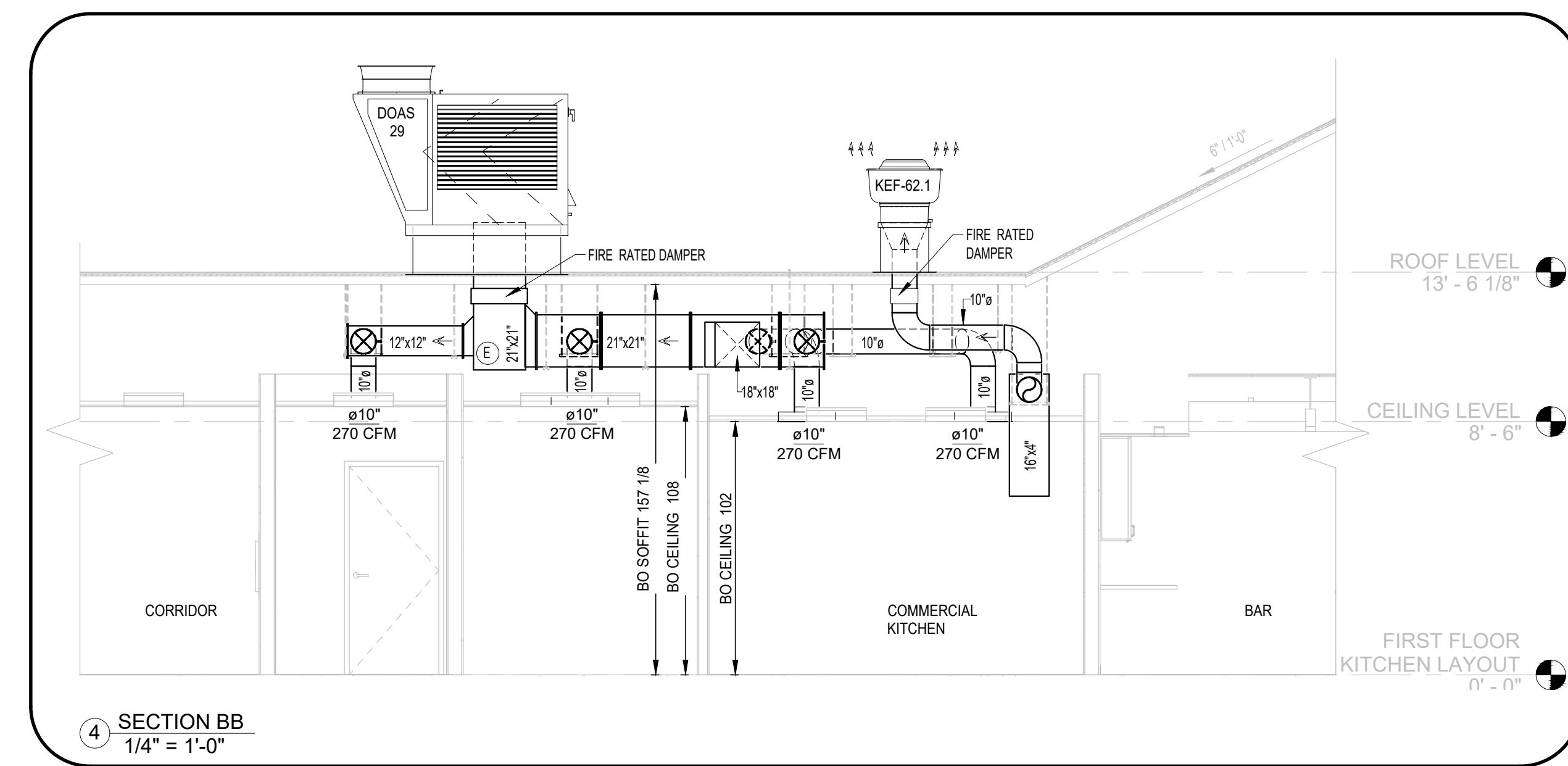
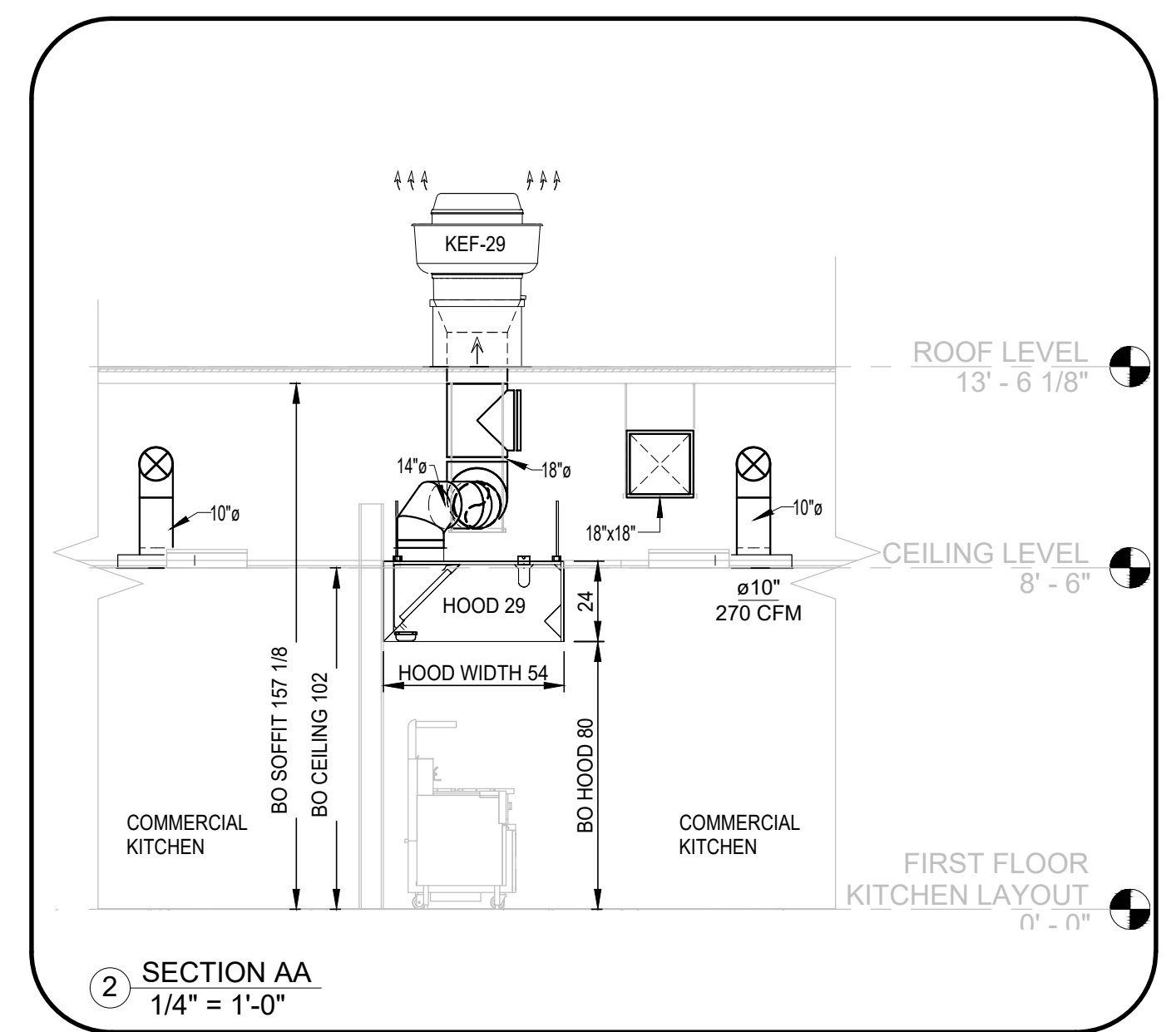
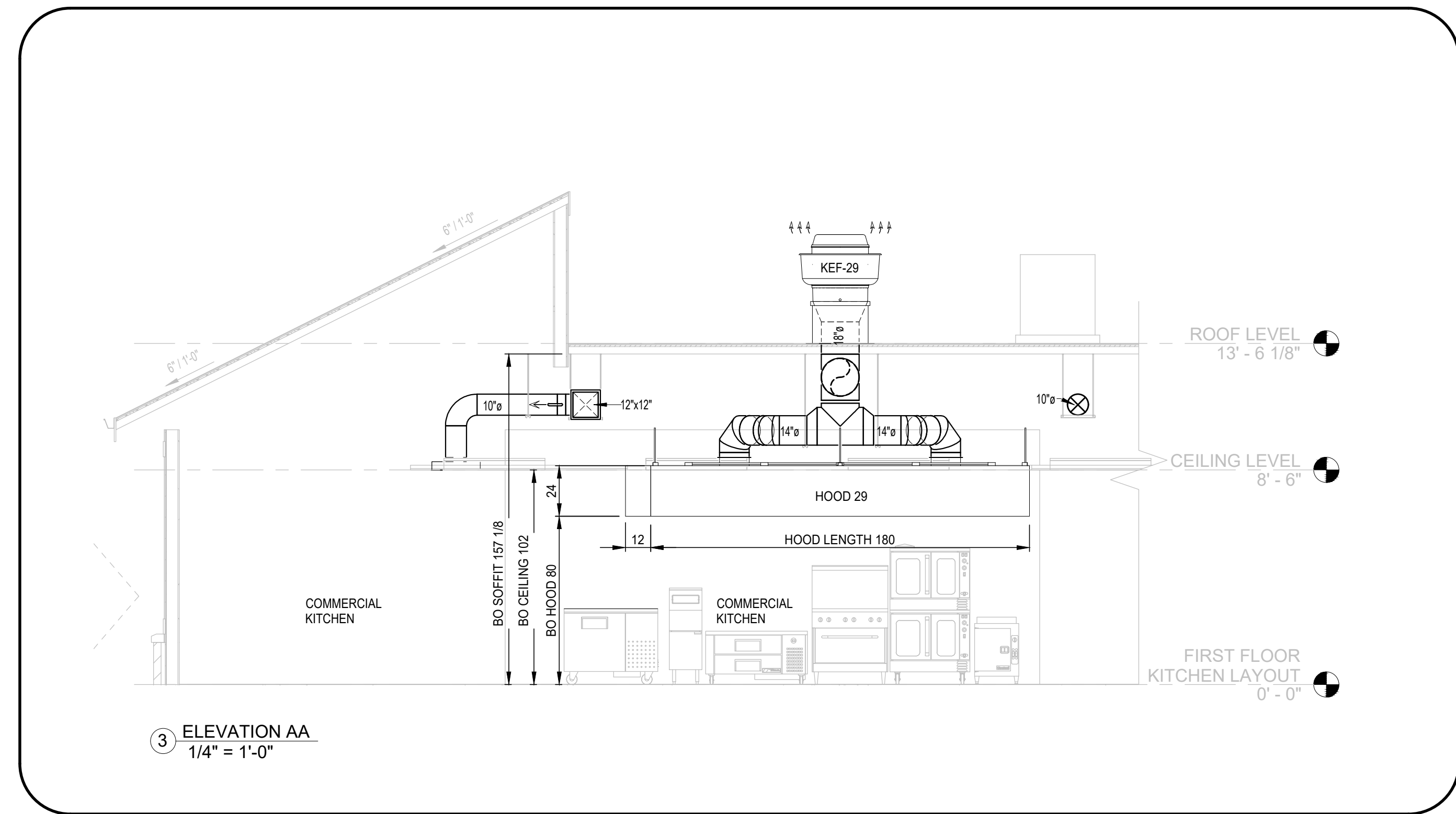
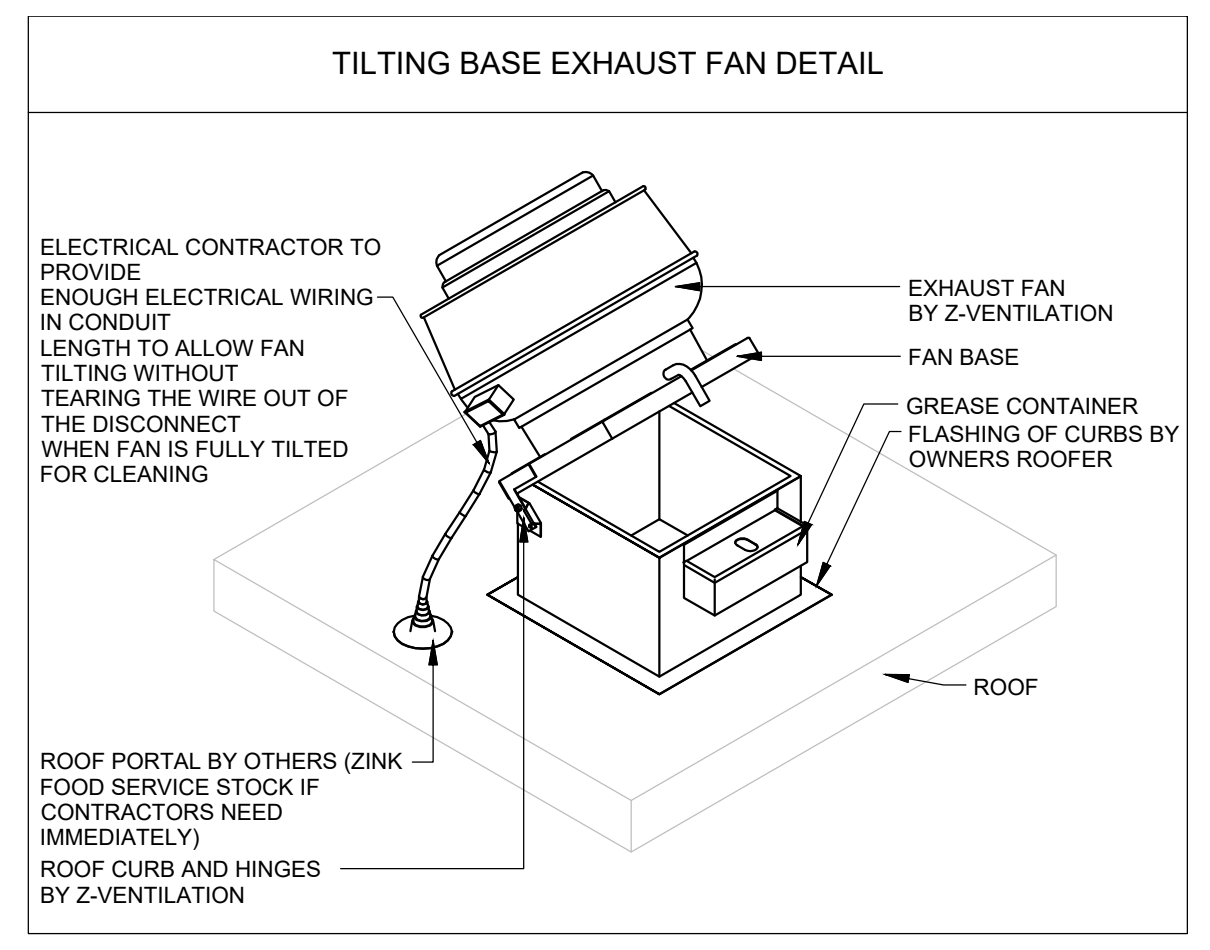
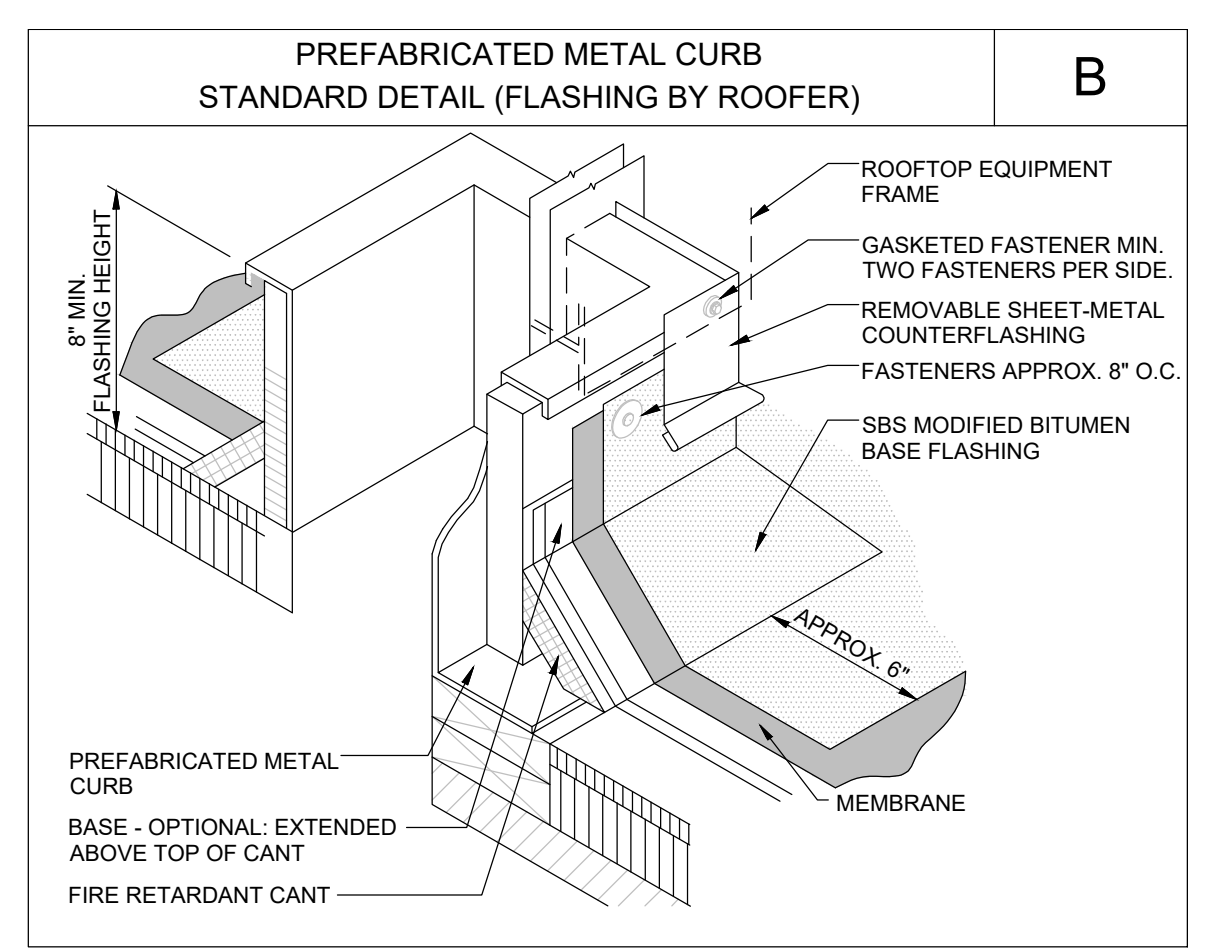
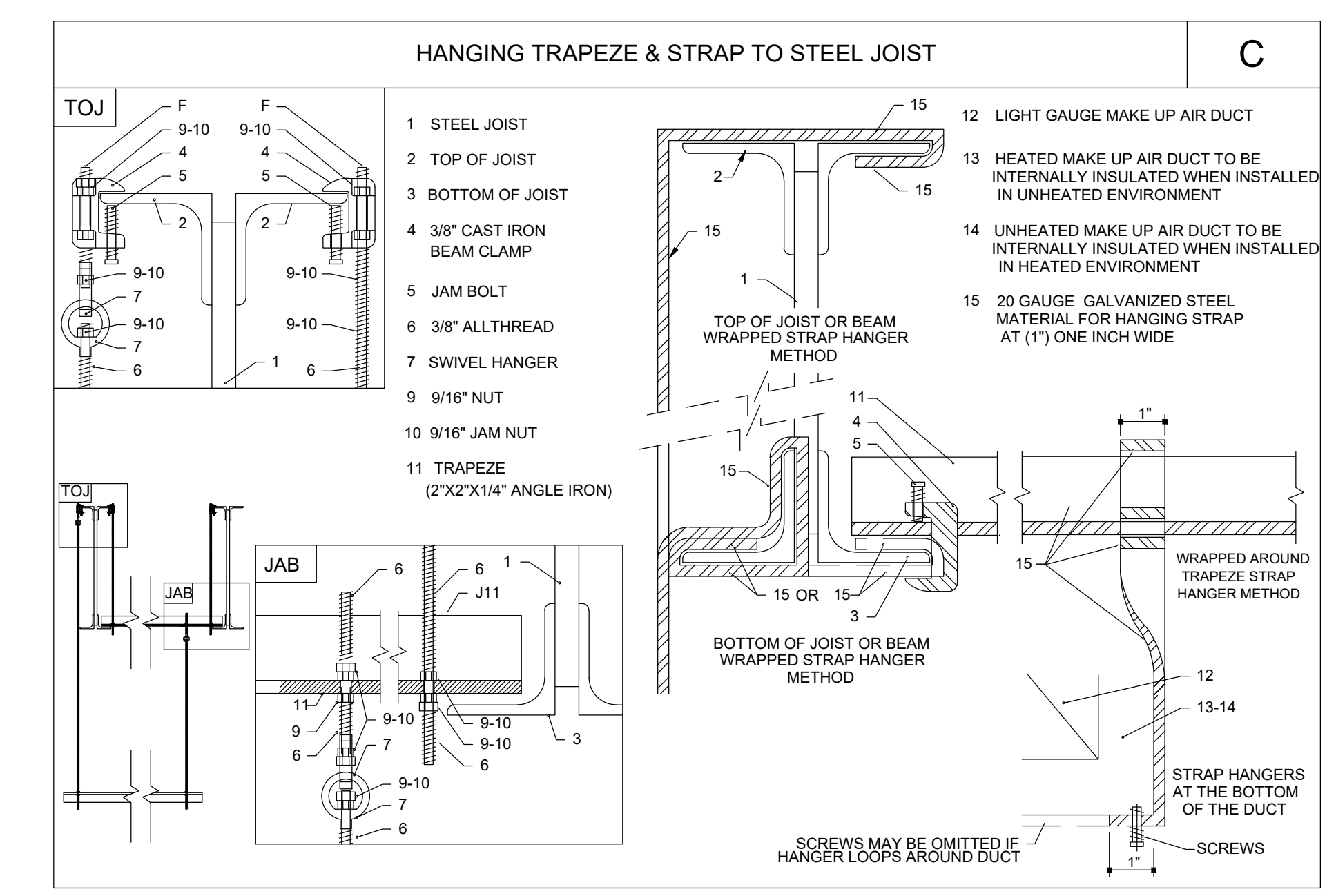
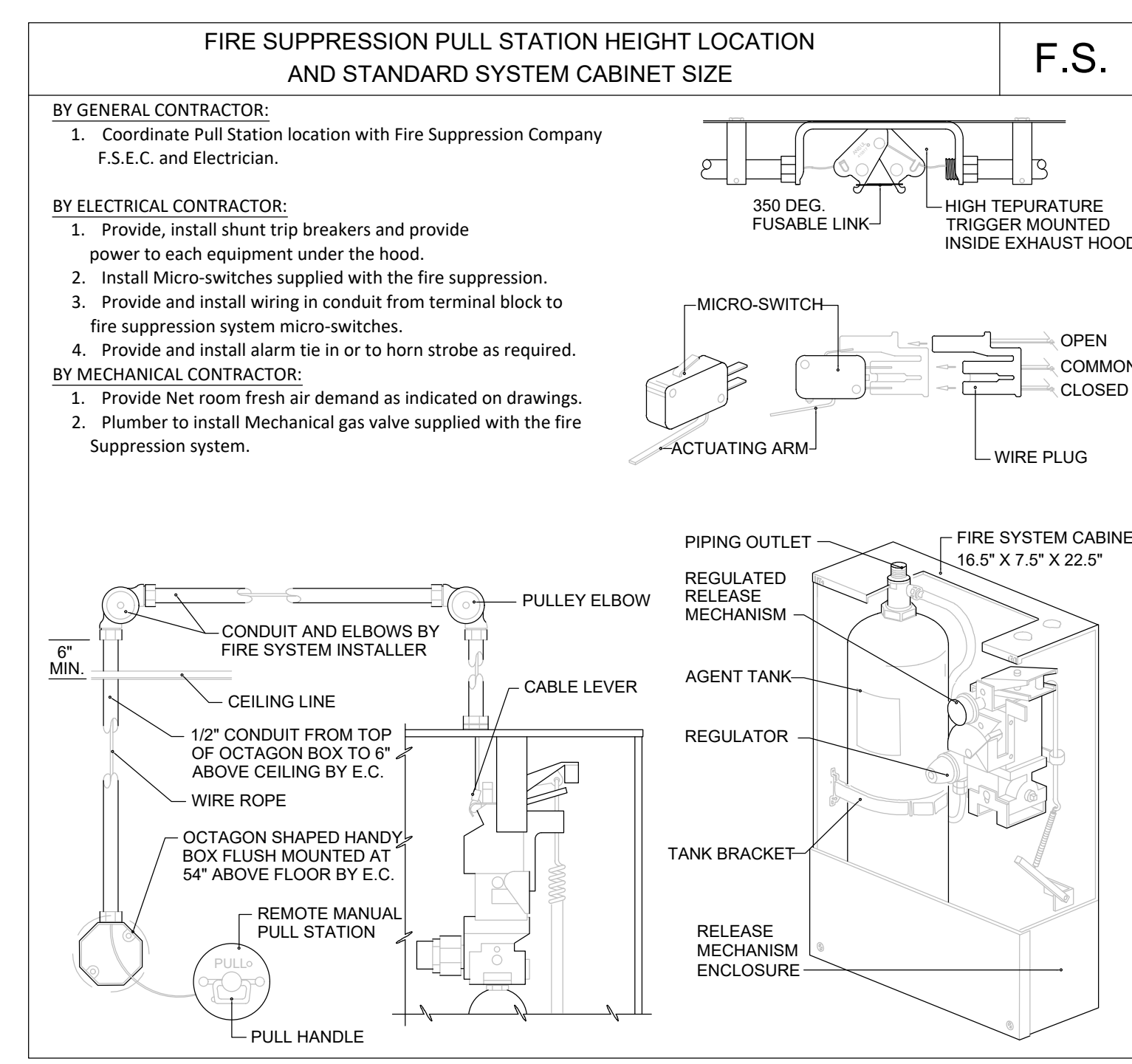
BAR

SERVING STATION

COMMERCIAL KITCHEN

FORMAL DINING

1 FIRST FLOOR KITCHEN LAYOUT
1/4" = 1'-0"



- BY GENERAL CONTRACTOR:**
1. To cut out wall and roof openings.
 2. Re-enforce roof and wall structures as needed.
 3. Provide and install Steel joist in the back wall where the hood will be mounted.
 4. Provide sheetrock panels and conduct inspection before the hood is installed.
 5. Provide an access ladder to the mechanical roof if Required.
- BY ROOFER:**
1. Cut out roof opening and flash roof curbs.
 2. Allow 3" from the top of each curb to provide Clearance for mounting the fan bases the curbs.
- BY ELECTRICAL CONTRACTOR:**
1. Provide, install shunt trip breakers and provide power to each equipment under the hood.
 2. Install Micro-switches supplied with the fire suppression.
 3. Provide power to each motor starter. Motor loads shown in Hood shop drawings.
 4. Provide and install wiring in conduit from fans To terminal blocks on top of the hood.
 5. Provide and install wiring in conduit from terminal block to fire suppression system micro-switches.
 6. Provide and install alarm te in or to horn strobe as required.
- BY MECHANICAL CONTRACTOR:**
1. Provide Net room fresh air demand as indicated on drawings.
 2. Plumber to install gas to direct fired make up air unit on the roof.
 3. Plumber to install Mechanical gas valve supplied with the fire Suppression system.
 4. Install gas Pressure regulators if needed.

KITCHEN CEILING HEIGHT : _____

SERVERY COOK LINE CEILING HEIGHT : _____

DISH ROOM CEILING HEIGHT : _____

VOLTAGE FOR GREASE FAN (s) AND MUA (s) : _____

VOLTAGE FOR DISHWASHER FAN (s) : _____

ROOF SLOPE FOR GREASE FAN (s) : _____

ROOF SLOPE FOR MUA (s) : _____

FIRE SYSTEM APPLIANCE LINE UP CONFIRMATION

This review is only for general conformance with the design concept and the information given in the construction documents. Corrections or comments made on the shop drawing during this review do not relieve the contractor from compliance with the requirements of the plans and specifications. Review is a professional seal shall indicate review of an assembly of which the firm is a provider at the job site. Information that pertains solely to the fabrication or installation of the items reviewed shall require separate and professional construction/coordination of the work with that of all other trades performing at work in a safe and satisfactory manner.

APPROVED _____

APPROVED AS NOTED _____

REVISED AND RE-SUBMIT _____

BY _____

DATE _____

SIGNATURE _____

REVISIONS			
REV	DATE	BY	REMARKS
1	10.20.21		100% BID PERMIT CONSTRUCTION SET
2	01.06.22		ADDED FIRE DAMPERS

DATE 01/27/2022 SCALE AS NOTED SHEET NUMBER : KH01 SHT OF

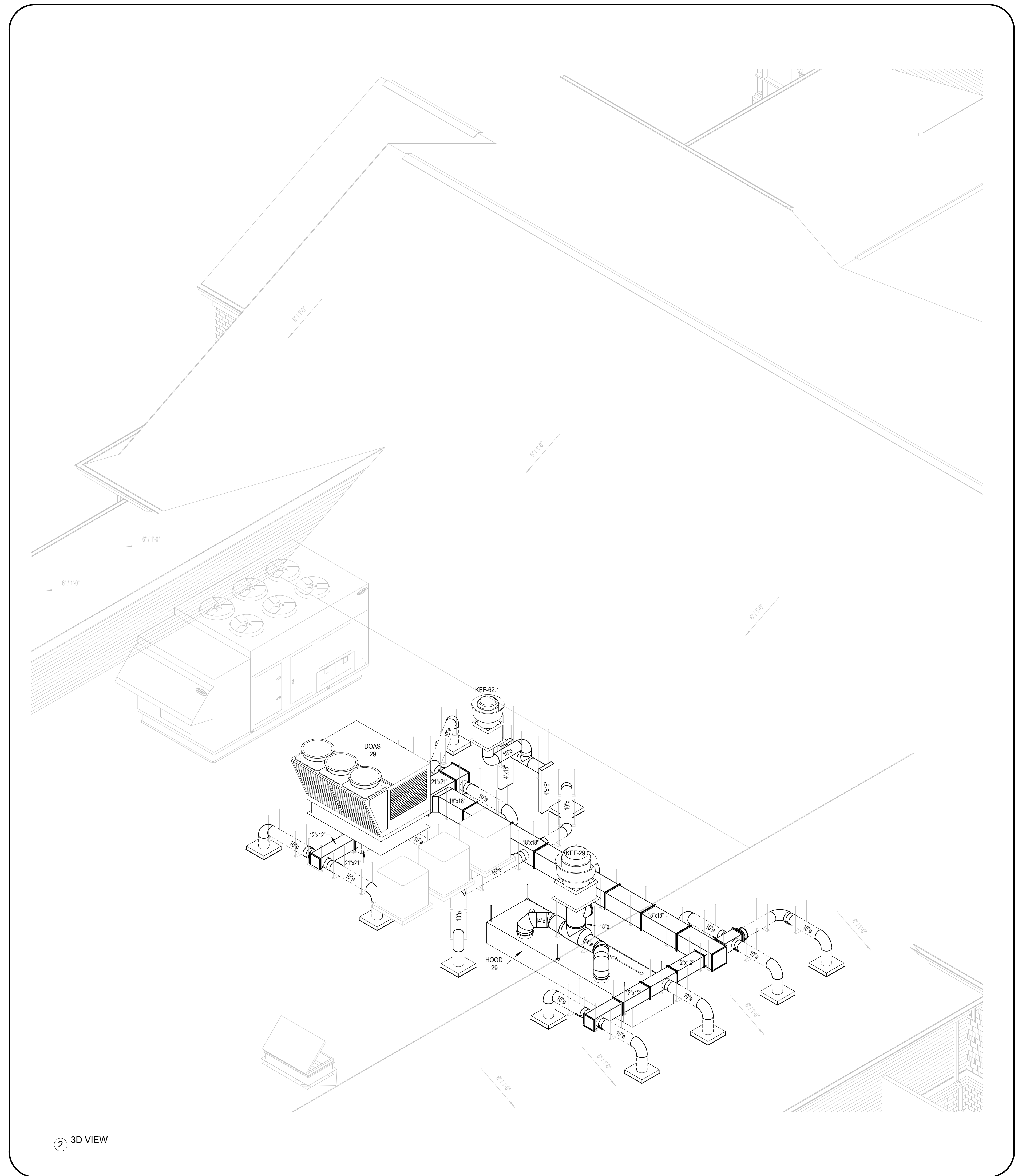
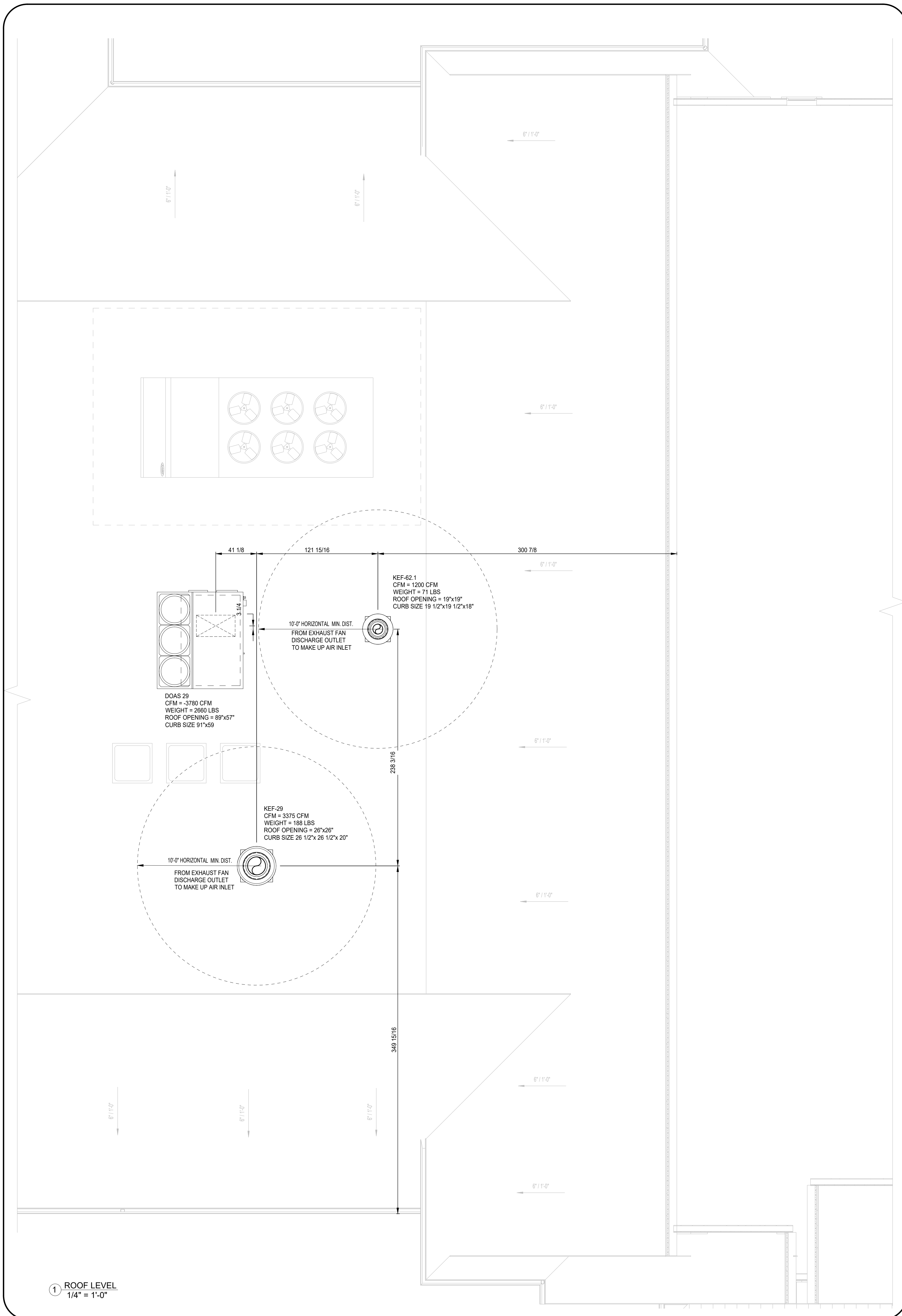
DR BY SK APP'D BY SR

ZVS
Z-Ventilation SOLUTIONS

655 Dearborn Park Lane
Worthington, OH 43085
Phone: (800) 492-7400
Website: www.zventilationsolutions.com

Z-VENT NO. -- ITEM NO. --

JOB: ASHFORD BEAVERCREEK
LOC: ASHFORD BEAVERCREEK, DAYTON, OH, 45430
CUST:



BY GENERAL CONTRACTOR:

1. To cut out wall and roof openings.
2. Re-enforce roof and wall structures as needed
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KITCHEN CEILING HEIGHT _____

SERVERY COOK LINE CEILING HEIGHT _____

DISH ROOM CEILING HEIGHT _____

VOLTAGE FOR GREASE FAN (s) AND MUA (s): _____

VOLTAGE FOR DISHWASHER FAN (s) _____

ROOF SLOPE FOR GREASE FAN (s) _____

ROOF SLOPE FOR MUA (s) _____

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APPROVED _____

APPROVED AS NOTED _____

REVISE AND RE-SUBMIT _____

BY _____

DATE _____

SIGNATURE _____

REVISIONS			
REV	DATE	BY	REMARKS
10.20.21	01.06.22		100% BID PERMIT CONSTRUCTION SET

DATE 01/27/2022 SCALE AS NOTED SHEET NUMBER: KH02

DR BY SK APP'D BY SR

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Z-Ventilation
SOLUTIONS

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Worthington, OH 43085
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Z-VENT NO. -- ITEM NO. --

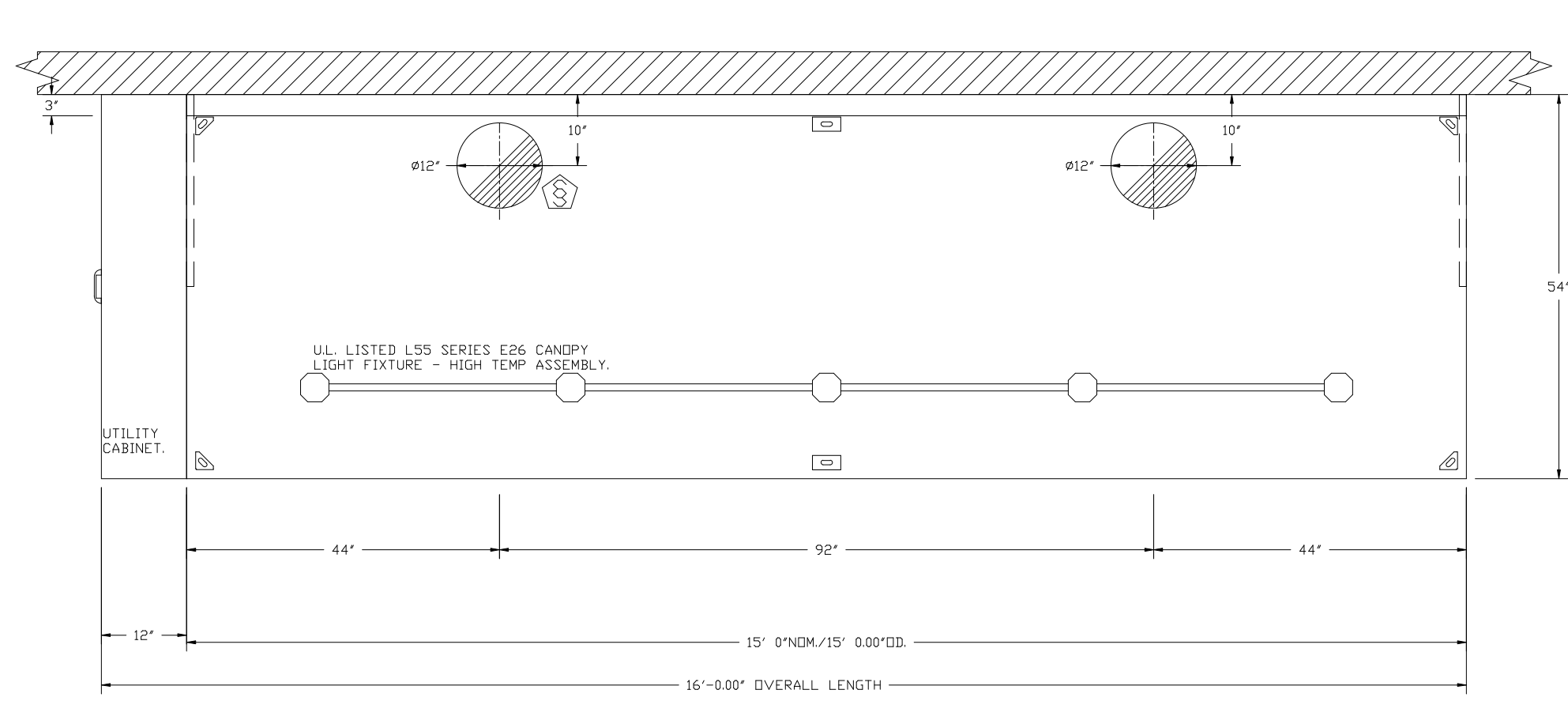
JOB: ASHFORD BEAVERCREEK
LOC: ASHFORD BEAVERCREEK, DAYTON, OH, 45430
CUST: _____

HOOD INFORMATION - JOB#5238426																			
HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/F.T.	TOTAL EXH CFM	EXHAUST FLENUM			HOOD CONSTRUCTION	HOOD END TO END	HOOD FRONT TO REAR	SWITCHES			
										WIDTH	LENG	HEIGHT							
1	29	5424	ZVS-ND-2	Z-VENTILATION	15' 0"	600 DEG	1	HEAVY	200	3000	34"	12"	1500	1910	-0.711"	430 SS	ALONE	ALONE	1 FAN

HOOD INFORMATION																		
HOOD NO	TAG	TYPE	FILTERS?			LIGHTS?			UTILITY CABINETS?			FIRE SYSTEM	HOOD HANGING WEIGHT					
			QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARDS	LOCATION	SIZE			TYPE	SIZE	ELECTRICAL	SWITCHES	
1	29	CAPTRATE SOLID FILTER	11	20"	16"	85% BSS	5	L55 SERIES	E26	NO	LEFT	12"x24"x24"	ANSUL R-102	3.0/3.0	SC-301010MA	1 LIGHT 1 FAN	YES	1178 LBS

HOOD OPTIONS													
HOOD NO	TAG	OPTION											
		FIELD WRAPPER	180° HIGH FRONT, LEFT, RIGHT,	RISER SENSOR INSTALL	6IN FLENUM	RIGHT VERTICAL END PANEL	27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH	INSULATED	430 SS	LEFT VERTICAL END PANEL	27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH	INSULATED	430 SS
1	29												

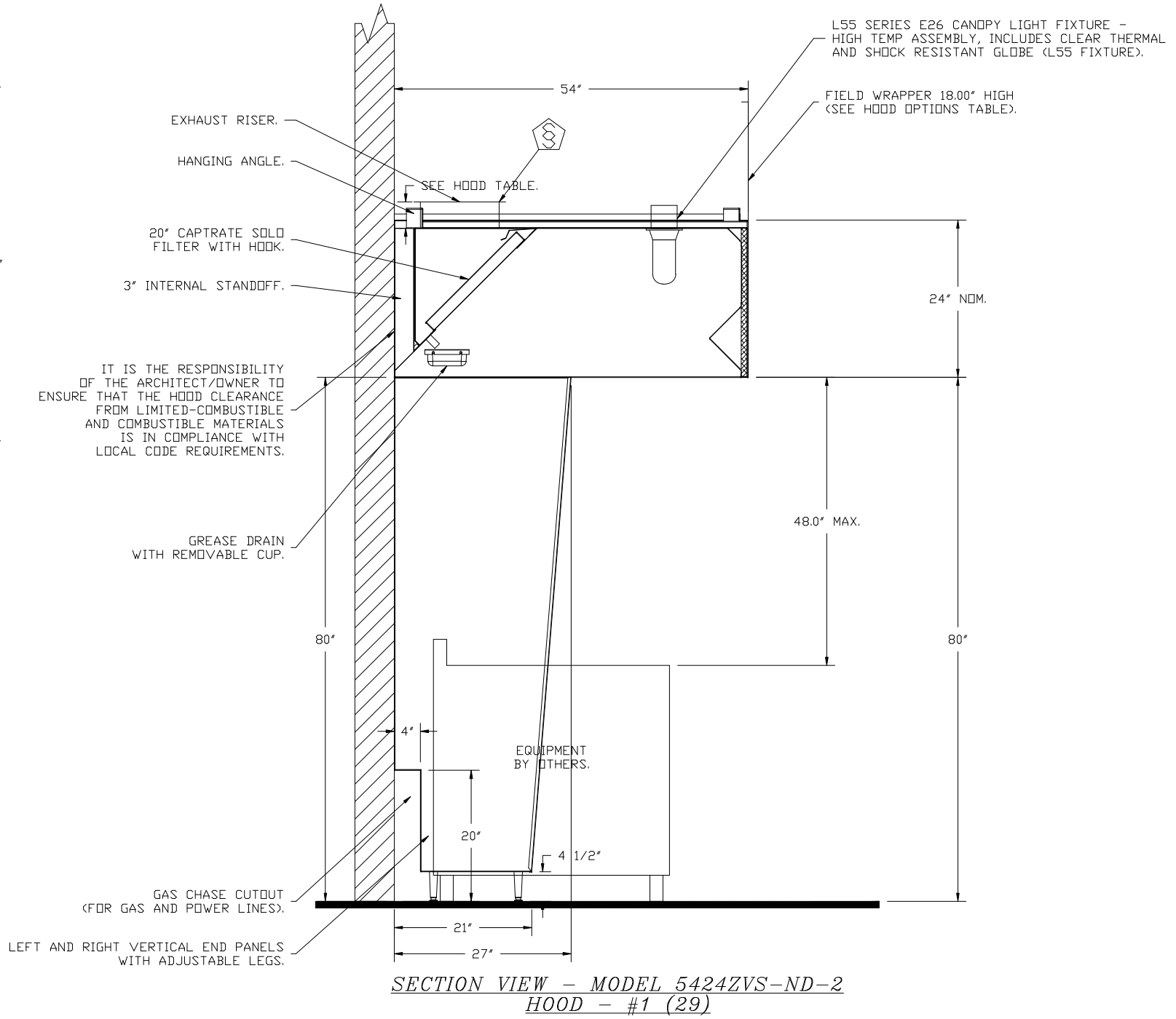
DIFFUSER SCHEDULE												
TAG	MODEL	CEILING HEIGHT	NOMINAL FACE SIZE	RISER DIA	CFM	DUCT VELOCITY (FPM)	FACE DISCHARGE VELOCITY (FPM)	T50 AFF	SP	NOISE CRITERIA	LINKED FAN	LINKED HOOD
1045	Diffuser	DI-PSP-12-24X24	12"	24 X 24	12	270	80	7.66	0.047"	21	VKRTU3-1400-18-20T-10AS	5424ZVS-ND-2



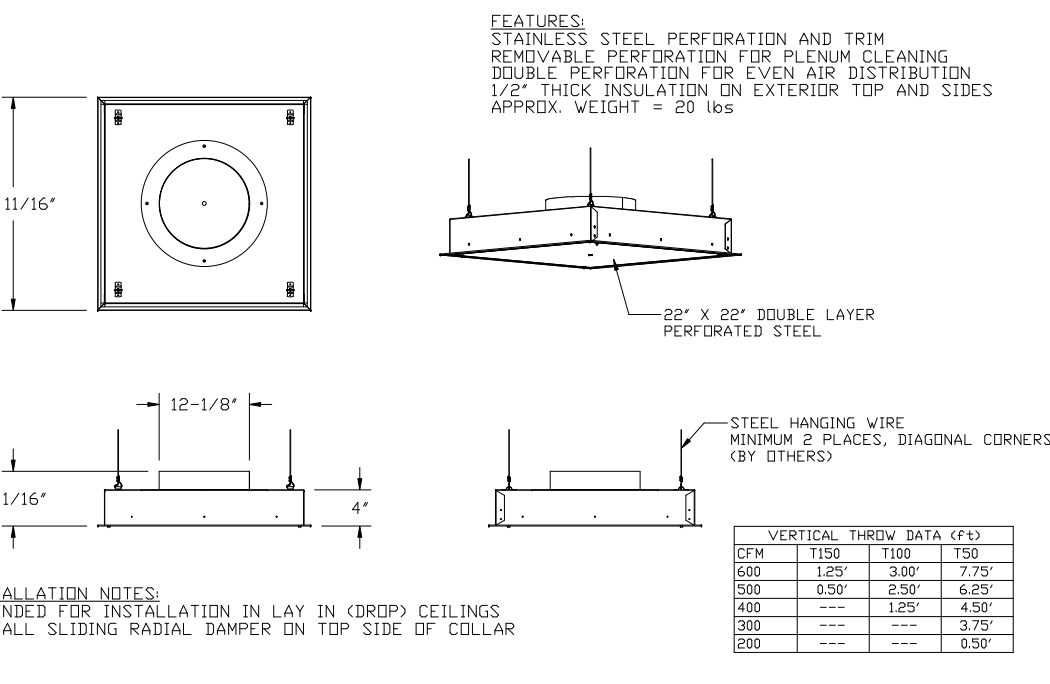
PLAN VIEW - HOOD #1 (29)
 15' 0.00" LONG 5424ZVS-ND-2
 NOTE: ADDITIONAL HANGING ANGLES PROVIDED FOR HOODS 12' AND LONGER.

NOTE
 IT IS RECOMMENDED NOT TO INSTALL HIGH VELOCITY DIFFUSERS OR HVAC RETURNS WITHIN TEN (10) FEET OF THE HOOD. PERFORATED DIFFUSERS ARE RECOMMENDED.

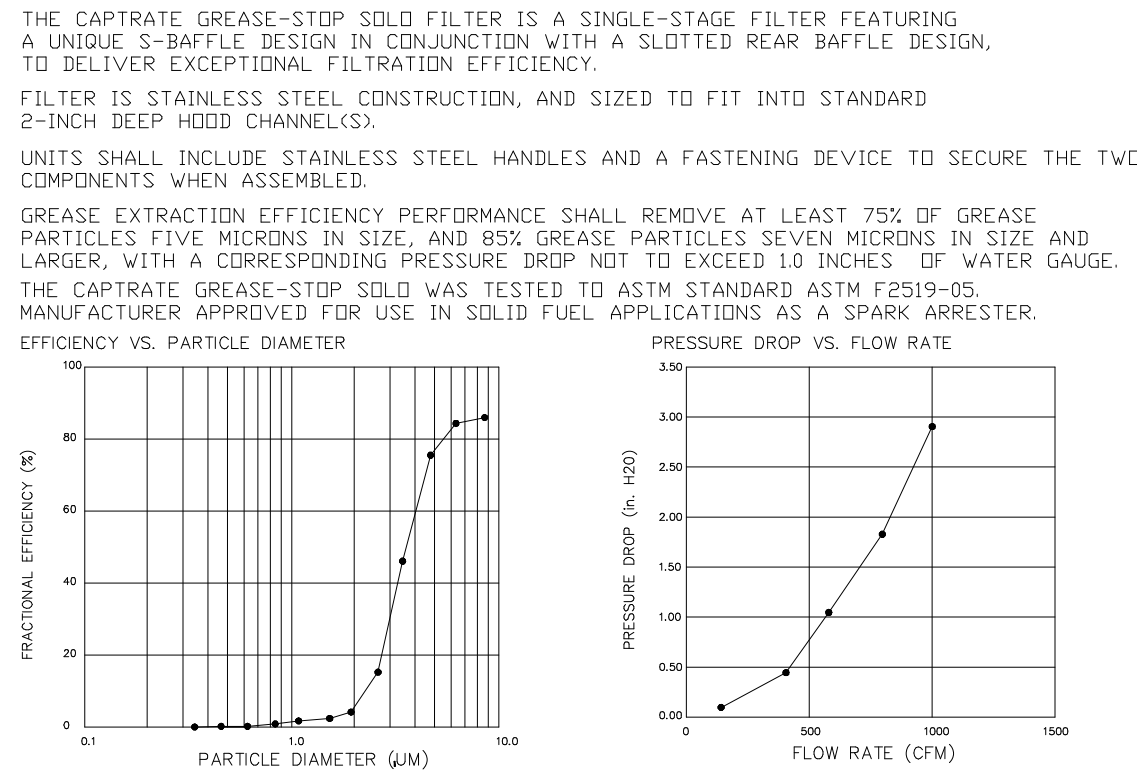
VERIFY CEILING HEIGHT
 Height required to verify that the hood will fit and to size the enclosure panels.



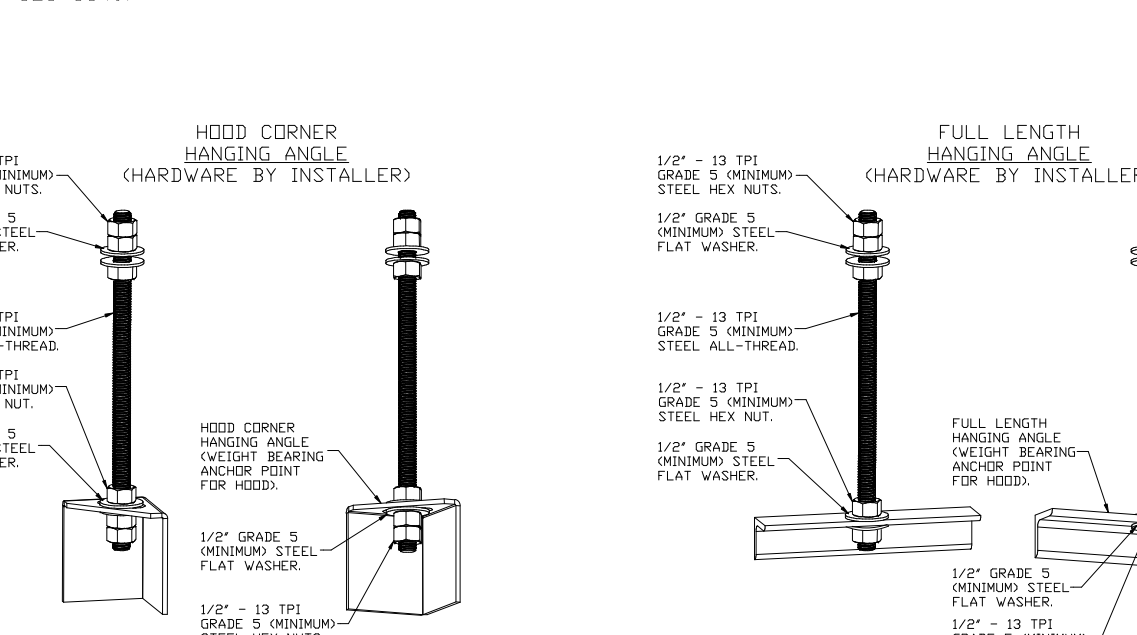
QTY 14-DRCP-IN PERFORATED SUPPLY FLENUM DIFFUSER (DI-PSP)



SPECIFICATION: CAPTRATE® GREASE-STOP® SOLID FILTER



CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:
 NFPA #96, NSF STANDARD #62, UL STANDARD #1046, INT. HOOD CODE (IMC), ULC-5649.



VERIFY GAS VALVE SIZE PRIOR TO ORDERING

FIRE SYSTEM INFORMATION - JOB#5238426											
FIRE SYSTEM NO	TAG	TYPE	SIZE	FLDW POINTS	INSTALLATION						
					SYSTEM	LOCATION ON HOOD	LOCATION ON HOOD				
1	FS-29	ANSUL R102	3.0/3.0	12	FIRE CABINET LEFT	LEFT, HOOD 1					

GAS VALVE(S)											
FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY							
1	FS-29	MECHANICAL	2.000	Z-VENTILATION SOLUTIONS							

FIRE SYSTEM PARTS LIST KEY											
FIRE SYSTEM NO	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST							
		0 - 0 = 43-15793 AIR CYLINDER ASSEMBLY - AIR CYLINDER AND TUBING FOR MECHANICAL GAS VALVES (ANSUL PART #15793)	1	0							
		0 - 0 = 439861 LARGE BLOWOFF CAP METAL TO FIT NEW LASER-ETCHED ANSUL NOZZLES, A0004200	10	0							
		0 - 0 = DISC UNION BURSTING DISC UNION ASSEMBLY FOR MANIFOLD SYSTEM.	1	0							
		0 - 0 = TANK STRAP TANK STRAP - USED FOR ANSUL TANKS.	2	0							
		0 - 0 = UCLANBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS.	2	0							
		1 - 1 - AT - 30 TANK (1B) - 30 GALLON SS TANK (FOR USE WITH AUTOMAN RELEASE, ACTUATOR, OR SS ENCLOSURE (UL-100) MACOLA # 4129862)	2	0							
		3 - 3 = ANS-DEM REGULATED RELEASE - ANSUL REGULATED MECHANICAL RELEASE/BACKET ASSEMBLY, DEM, R-102, CARTRIDGE DETECTION INCLUDED, ANSUL PART # 79493	1	0							
		5 - 5 = L10-30 AGENT - ANSULEX L10-30 WET CHEMICAL AGENT, 3 GALLON (UL) 79372	0	2							
		9 - 9 = D1-CART DOUBLE TANK NITROGEN CARTRIDGE	0	1							
		10 - 10 = TLINK LINK - TEST LINK (L) TEST LINK ANSUL PART # 24916, MACOLA # 20-24916	0	1							
		11 - 11 = MICRO-SHA MICROSWITCH KIT - INCLUDES 2 SWITCHES AND MOUNTING HARDWARE. SINGLE BULK ELECTRICAL SWITCH, ONE STANDARD SWITCH, ONE ALARM DUTY SWITCH ANSUL PART # 437155, MACOLA # 08-437155	1	0							
		12 - 12 = HOSE HOSE - RUBBER HOSE	1	0							
		14 - 14 = 419336 NOZZLE - 1/4" NOZZLE, DUCT/APPLIANCE (REPLACES ANSUL PART# 419347, CAS PART# 419336) A0001266	2	0							
		15 - 15 = 419333 NOZZLE - 1/2" NOZZLE, APPLIANCE (REPLACES ANSUL PART # 419344, CAS PART# 419333) A0001266	3	0							
		16 - 16 = 419335 NOZZLE - 3/8" NOZZLE, PLENUM/APPLIANCE (REPLACES ANSUL PART# 419346, CAS PART# 419335) A0001266	4	0							
		19 - 19 = 419338 NOZZLE - 3/8" NOZZLE, APPLIANCE (REPLACES ANSUL PART# 419349, CAS PART# 419338) A0001266	1	0							
		25 - 25 = 418569 NOZZLE ADAPTOR - SWIVEL NOZZLE ADAPTOR (REPLACES CAS PART # 418569) A001274	6	0							
		26 - 26 = DSA-3/8 QUICK SEAL - 3/8" (QUL)	10	0							
		27 - 27 = OPSA-1/2 PULLY SEAL - 1/2" HOOD SEAL (QUL) ANSUL PART # 423253, MACOLA # 20-27468	1	0							
		28 - 28 = S-DET DETECTOR - SERIES (SCISSOR LINKAGE) ANSUL PART # 435547/435548 (ULD # 437309/437310) MACOLA # 20-437309	5	0							
		29 - 29 = ANS-360FL FUSIBLE LINK - 360DEG F, R-102 AND PIRANHA, ANSUL PART # 439088	2	0							
		30 - 30 = ANS-500FL FUSIBLE LINK - 500DEG F, R-102 AND PIRANHA, ANSUL PART # 439232	3	0							
		34 - 34 = RPS-A REMOTE PULL STATION - RED COMPOSITE (WITHOUT WIRE ROPE) ANSUL PART # 435670, MACOLA # 11-435671	1	0							
		35 - 35 = PE-LT PULLY ELBOW - LOW TEMP. PULLY ELBOW, SET SCREW TYPE ANSUL PART # 439251, MACOLA # 10-45771	2	0							
		36 - 36 = PE-HT PULLY ELBOW - HIGH TEMP. PULLY ELBOW, COMPRESSION TYPE ANSUL PART # 439251, MACOLA # 10-45771	1	0							

INCLUDES FIELD INSTALLATION AND HOODUP DURING NORMAL BUSINESS HOURS BY CERTIFIED INSTALLERS ONLY IN THE LOCATION NOTED ABOVE. TWO SITE VISITS ONLY ONE VISIT TO SET PULL STATION & SYSTEM HOODUP AND ONE VISIT FOR ONE TEST. ADDITIONAL VISITS WILL RESULT IN ADDITIONAL CHARGES. ONE MECHANICAL GAS VALVE PER SYSTEM AT A MAXIMUM SIZE OF 2" PERMIT, AND SYSTEM TEST.

INCLUDES UNION LABOR & PREWELDING WAGE (LABOR & WAGES WILL BE ADDED IF APPLICABLE). GAS VALVE INSTALLATION, ELECTRICAL HOODUP AND CONNECTIONS, HANGING OF FIRE CABINET, SPENT TRIP, HANDLED EXTINGUISHER(S), ON-SITE RE-PIPPING DUE TO EQUIPMENT LAYOUT CHANGES.

- NOTES**
- FIELD PIPE DRIPS AS SHOWN
 - SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS
 - RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SLEEVING, SALAMANDERS, ETC.
 - MAXIMUM 9' ELBOWS IN SUPPLY LINE
 - MINIMUM 72" INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE COVERING A RANGE, FRYER, OR WORK TO REFLECT GENERAL PIPING REQUIREMENTS.
 - IF APPLICABLE, PRE-PIPED CHARBROILER DRIPS 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.

SPECIFICATIONS

THE RESTAURANT FIRE SUPPRESSION SYSTEM SHALL BE THE PRE-ENGINEERED TYPE WITH A FIXED NOZZLE AGENT DISTRIBUTION NETWORK. IT SHALL BE LISTED WITH UNDERWRITERS LABORATORIES, INC. (UL).

THE SYSTEM SHALL BE CAPABLE OF AUTOMATIC DETECTION AND ACTIVATION WITH LOCAL OR REMOTE MANUAL ACTIVATION. ACCESSORIES SHALL BE AVAILABLE FOR MECHANICAL OR ELECTRICAL GAS LINE SHUT-OFF APPLICATIONS.

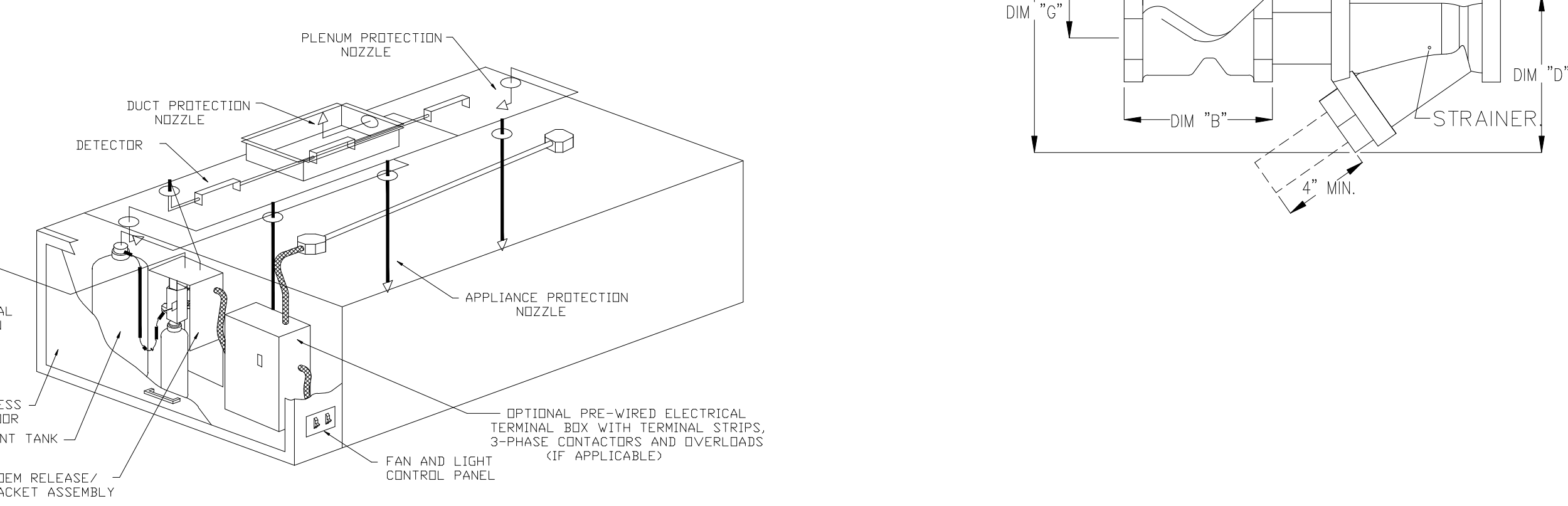
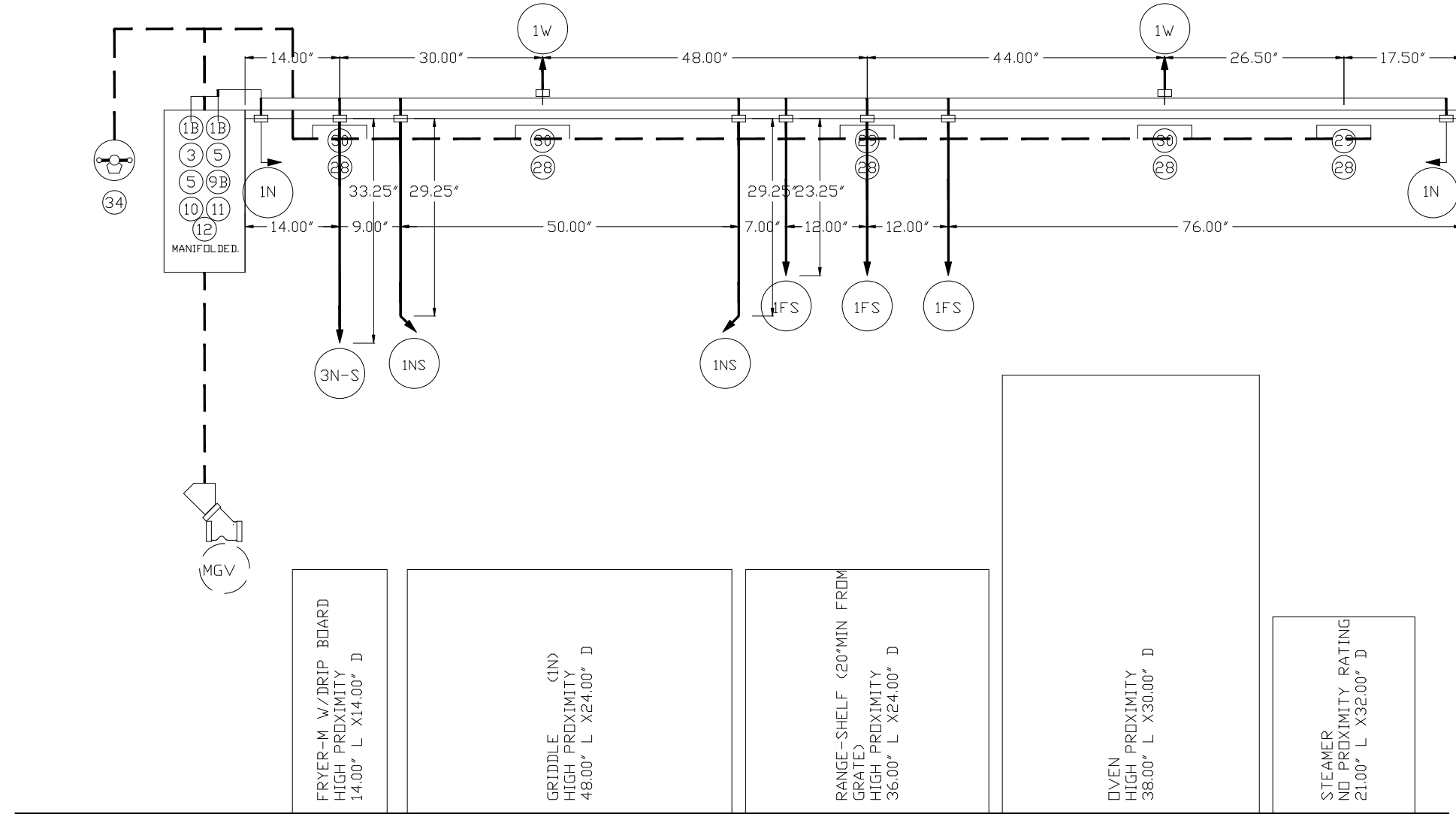
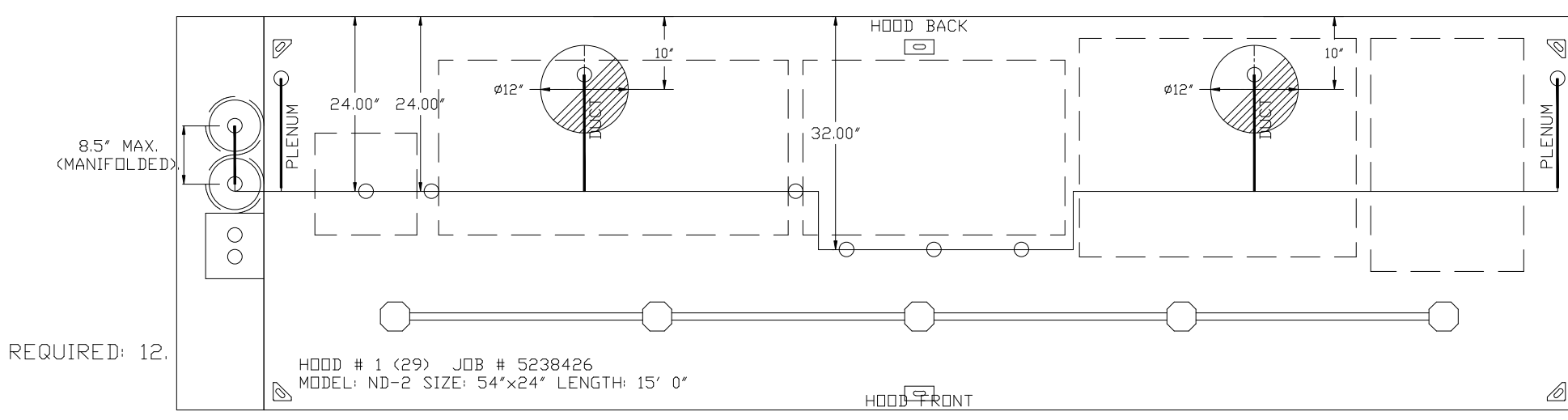
THE EXTINGUISHING AGENT SHALL BE A POTASSIUM CARBONATE, POTASSIUM ACETATE-BASED FORMULATION DESIGNED FOR FLAME KNOCKDOWN AND SECUREMENT OF GREASE RELATED FIRES. IT SHALL BE AVAILABLE IN PLASTIC CONTAINERS WITH INSTRUCTIONS FOR LIQUID AGENT HANDLING AND USAGE.

THE REGULATED RELEASE MECHANISM SHALL BE COMPATIBLE WITH A FUSIBLE LINK DETECTION SYSTEM. THE FUSIBLE LINK SHALL BE SELECTED AND INSTALLED ACCORDING TO THE OPERATING TEMPERATURE IN THE VENTILATING SYSTEM. THE FUSIBLE LINK SHALL BE SUPPORTED BY A DETECTOR BRACKET/ LINKAGE ASSEMBLY.

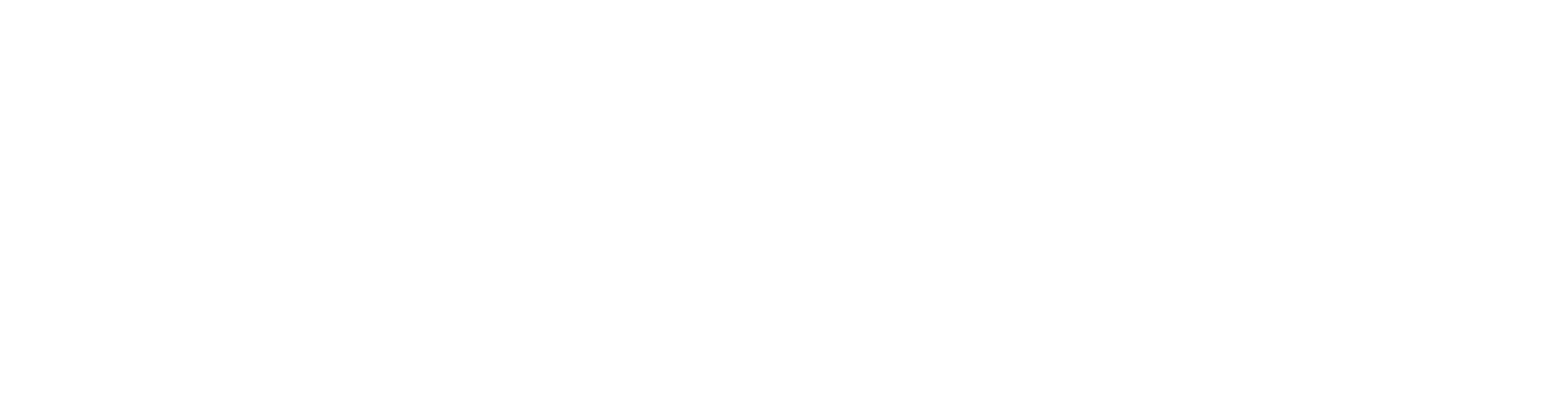
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ZVS HOODS ARE BUILT IN COMPLIANCE WITH NFPA #96, NSF, UL 710 & UL710 STANDARDS E.T.L. LISTED 3054804-001

E.T.L. LISTING DESCRIPTION BLOCK THE Z-VENTILATION SOLUTIONS MODEL ZVS-ND-2 HAS BEEN E.T.L. TESTED, LISTED, AND APPROVED TO EXHAUST A MINIMUM OF 140 CFM PER LINEAR FOOT OVER 600 DEGREE COOKING EQUIPMENT



TYPICAL ANSUL R-102 SYSTEM LAYOUT



APPROVED	PREPARED	REV	DATE	BY	REMARKS
<input type="checkbox"/>	<input type="checkbox"/>	10.20.22	01.06.22		100% BID PERMIT CONSTRUCTION SET
<input type="checkbox"/>	<input type="checkbox"/>				
<input type="checkbox"/>	<input type="checkbox"/>				

KITCHEN CEILING HEIGHT		SERVEWARE COOK LINE CEILING HEIGHT		DISH ROOM CEILING HEIGHT		VOLTAGE FOR GREASE FAN (a) AND MJA (a)		VOLTAGE FOR DISHWASHER FAN (a)		ROOF SLOPE FOR GREASE FAN (a)		ROOF SLOPE FOR MJA (a)		FIRE SYSTEM APPLIANCE LINE UP CONFIRMATION	
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REVISIONS

REV	DATE	BY	REMARKS
10.20.22	01.06.22		100% BID PERMIT CONSTRUCTION SET

DATE: 01/27/2022 SCALE: AS NOTED SHEET NUMBER: KH03 SHT OF 0F

DR BY: SK APPR BY: SR



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Worthington, OH 43085
 Phone: (600) 492-7400
 Website: www.zventilationsolutions.com

Z-VENT NO. -- ITEM NO. --

JOB: ASHFORD BEAVERCREEK
 LOC: ASHFORD BEAVERCREEK, DAYTON, OH, 45430

CUST:

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	HP	VOLT	FLA	
1	EP-29	SC-310110MA	UTILITY CABINET LEFT	03 - UTILITY CABINET LEFT HOOD # 1	1 LIGHT	SMART CONTROLS THERMOSTATIC CONTROL V/ RELAY ON/OFF WITH SUPPLY	KEF-29	EXHAUST	3	3.000	208	9.5
2	SV-621	Switches		31 - SHIP LOOSE W/ HOOD HOOD # 1	1 FAN							

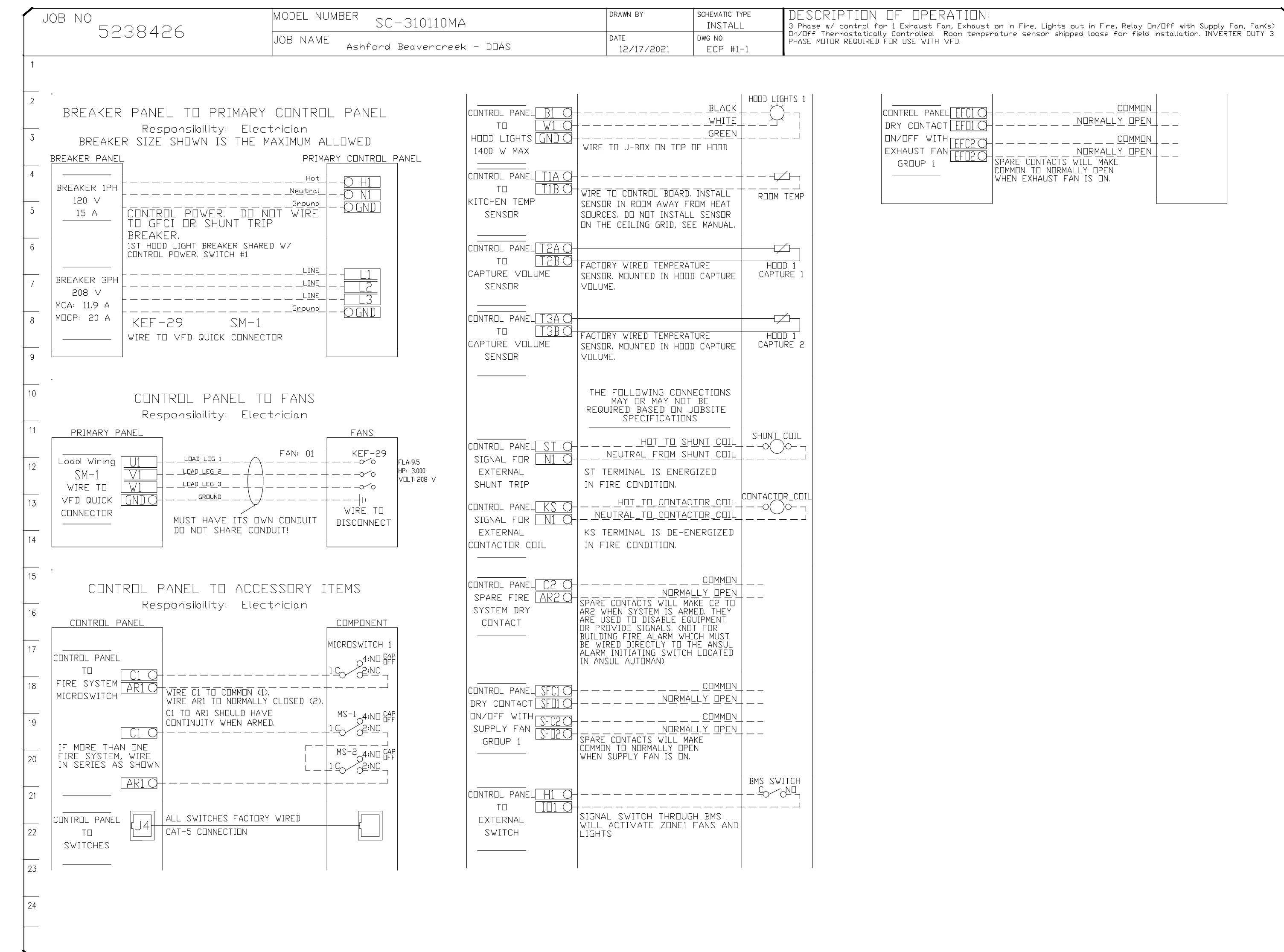
FAN #3 VXRTU3-1400-18-20T-DDAS - HEATER (DDAS-29)

NOTES:

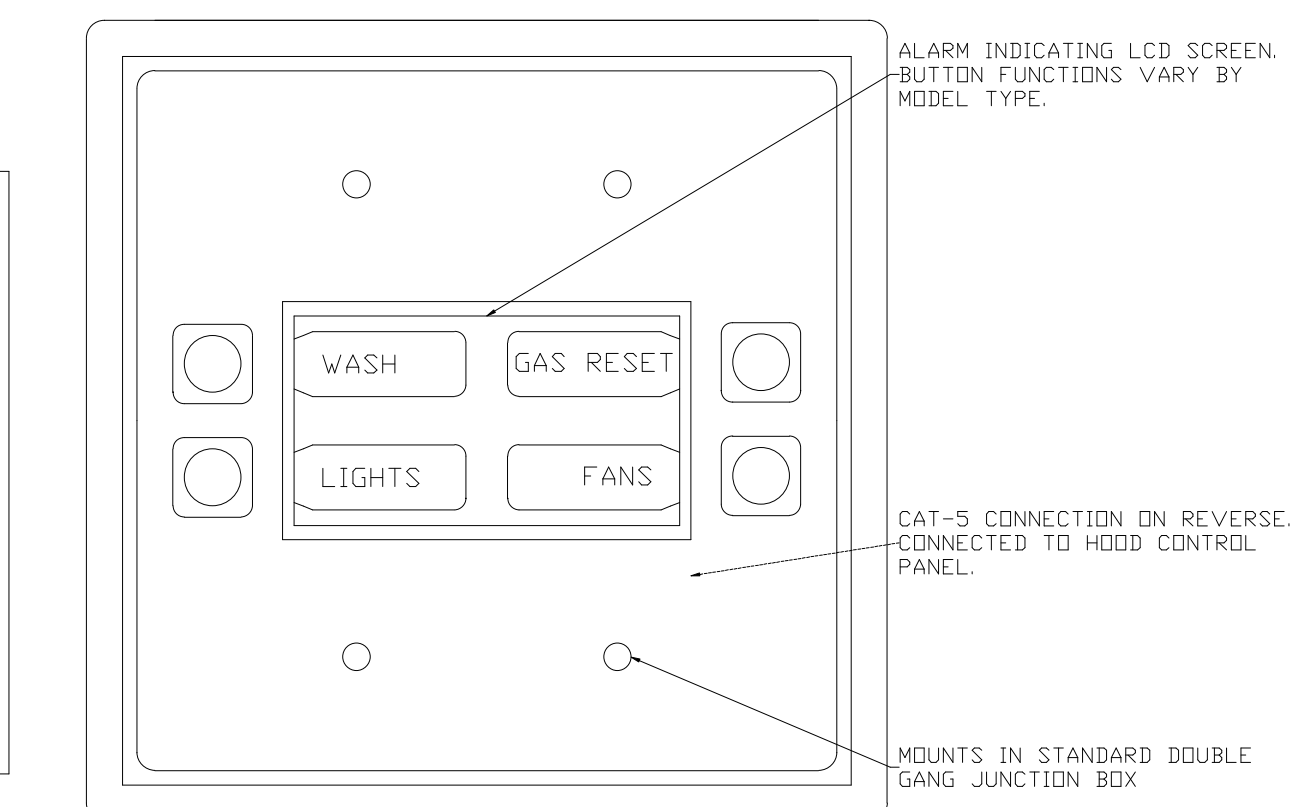
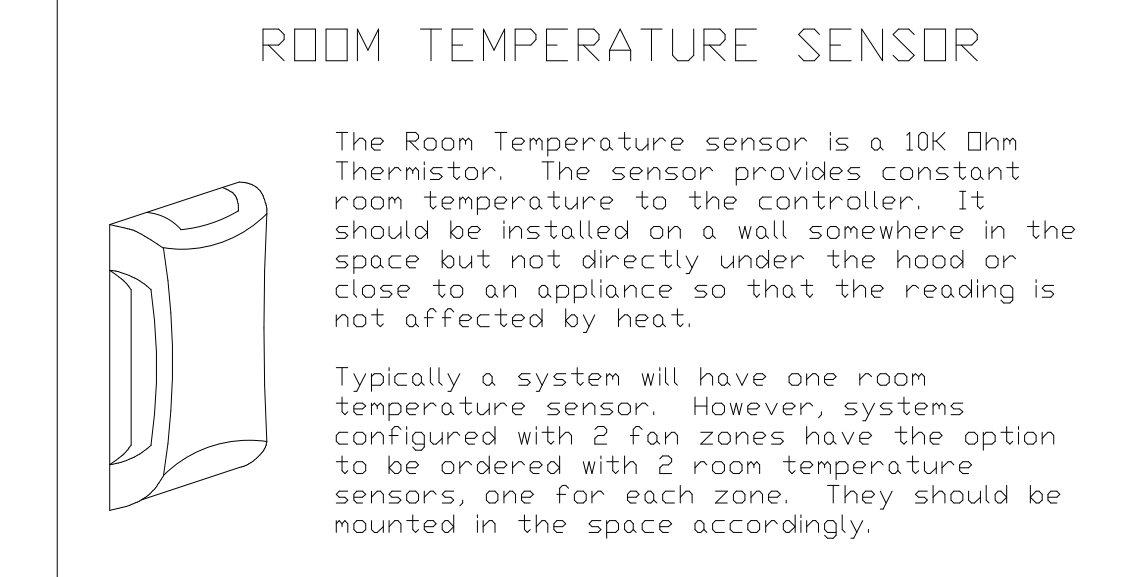
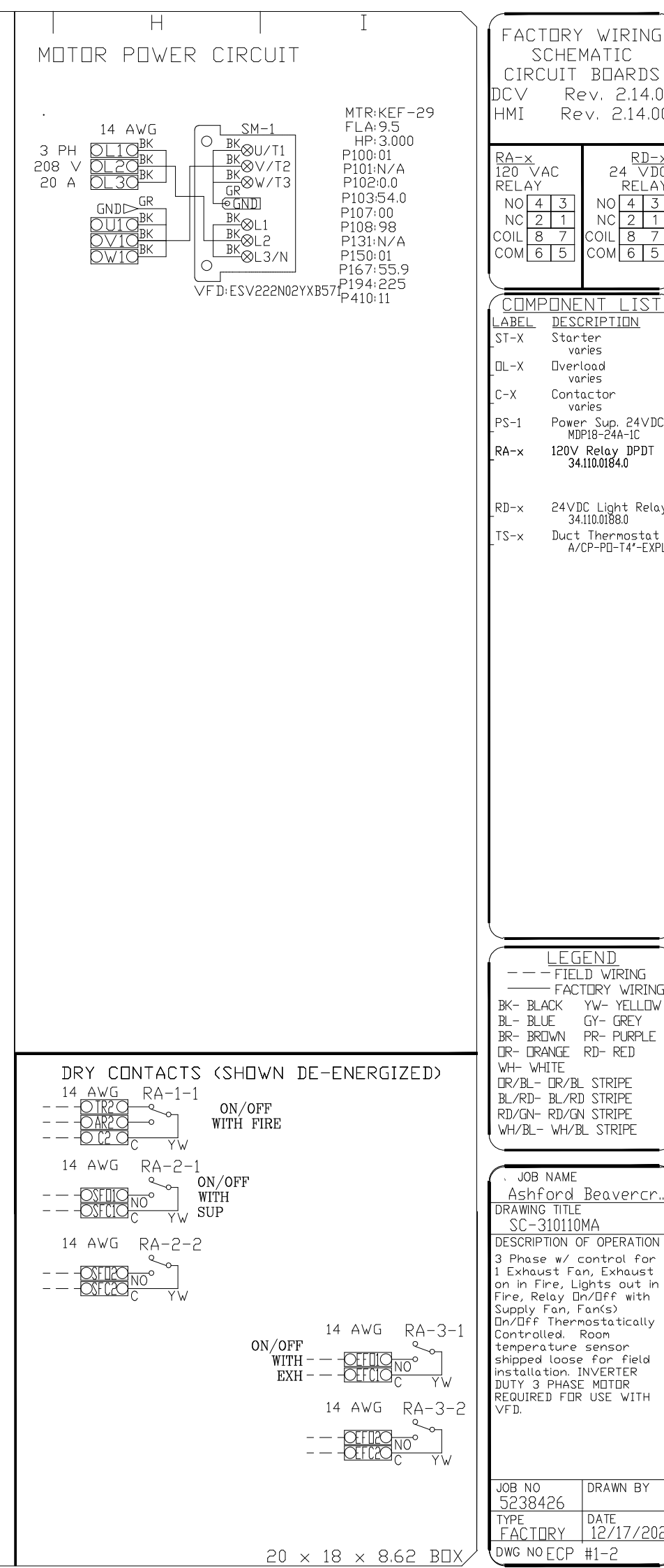
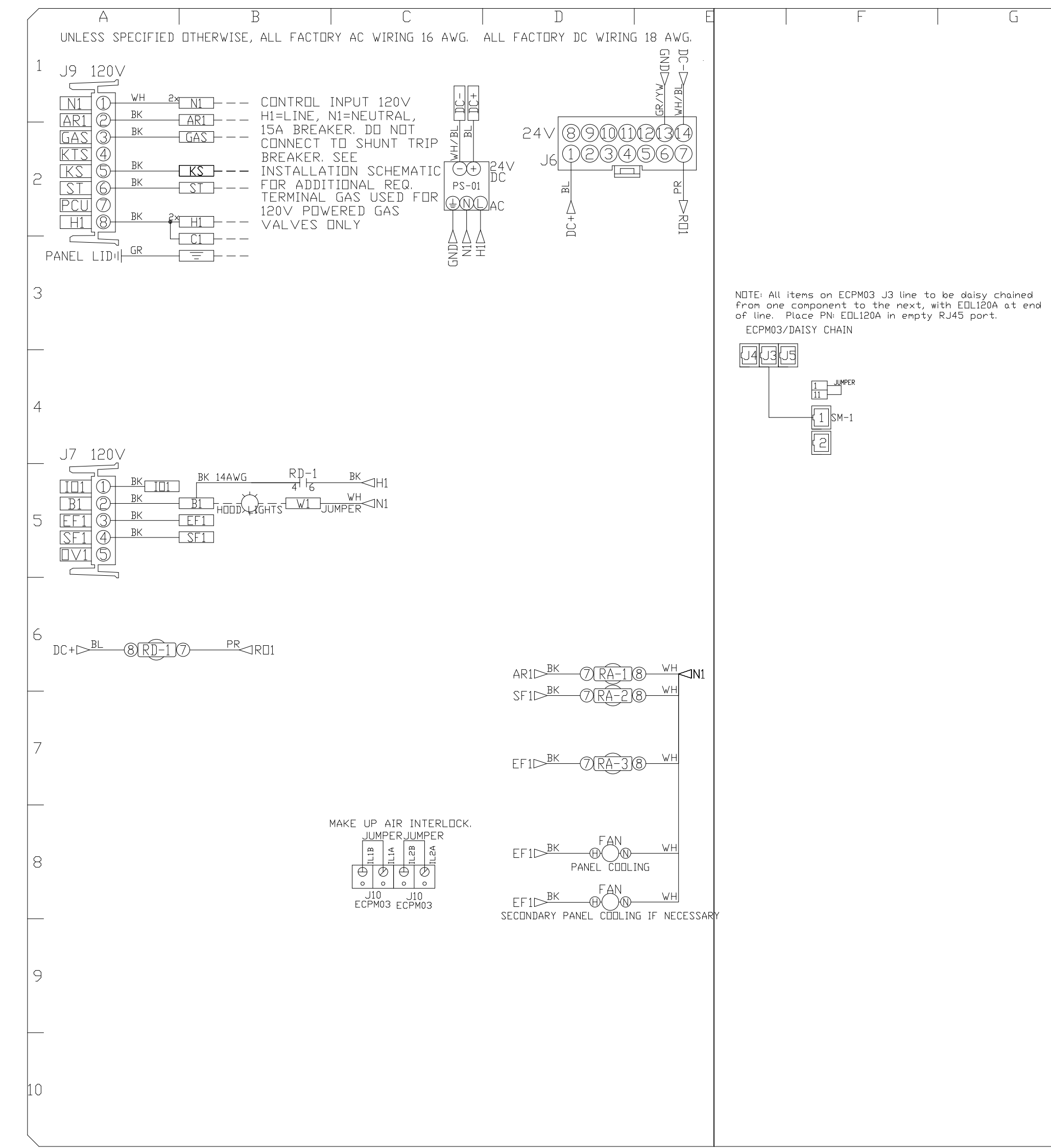
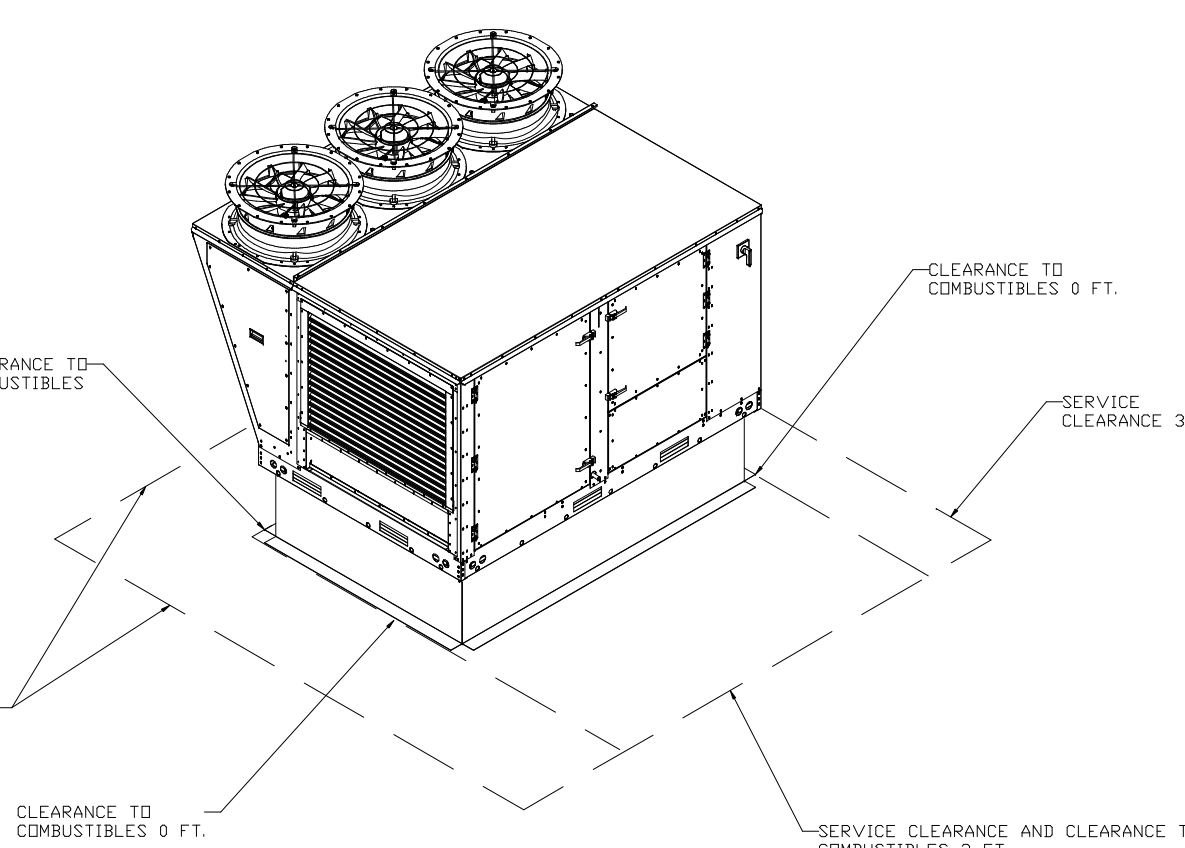
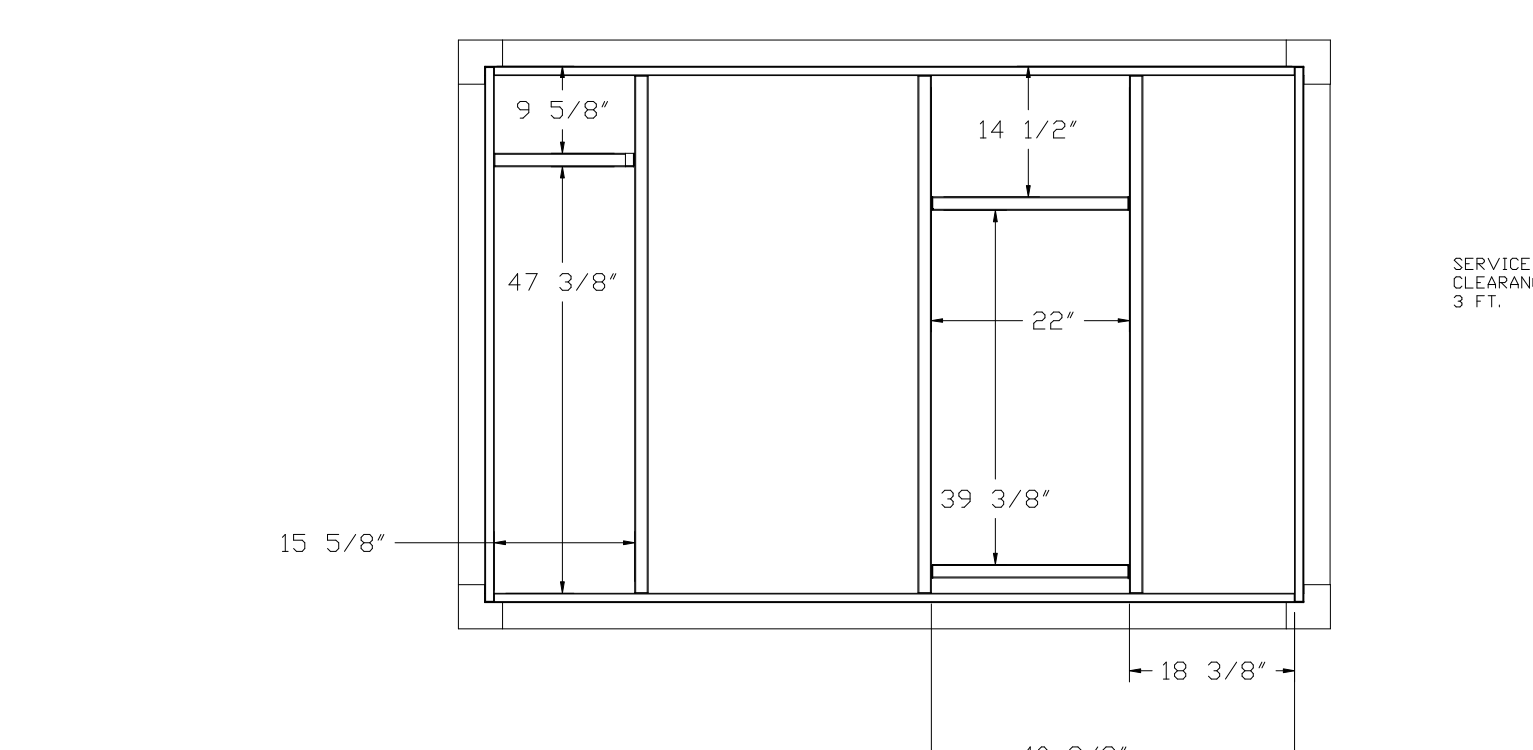
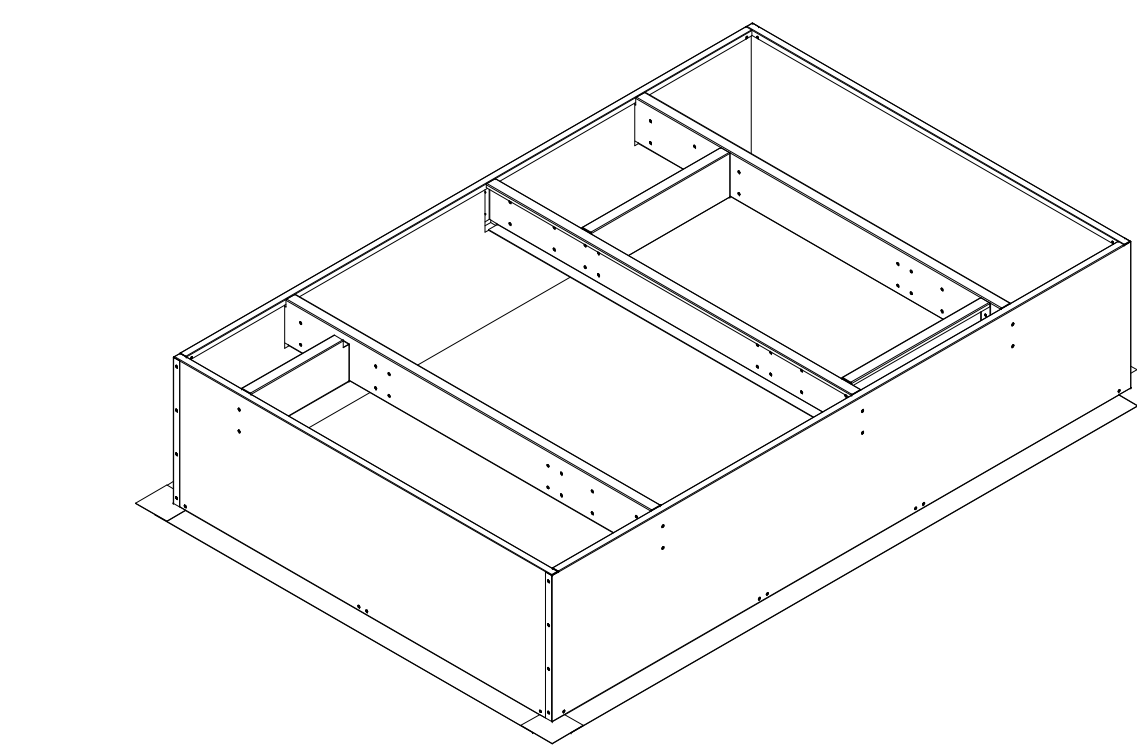
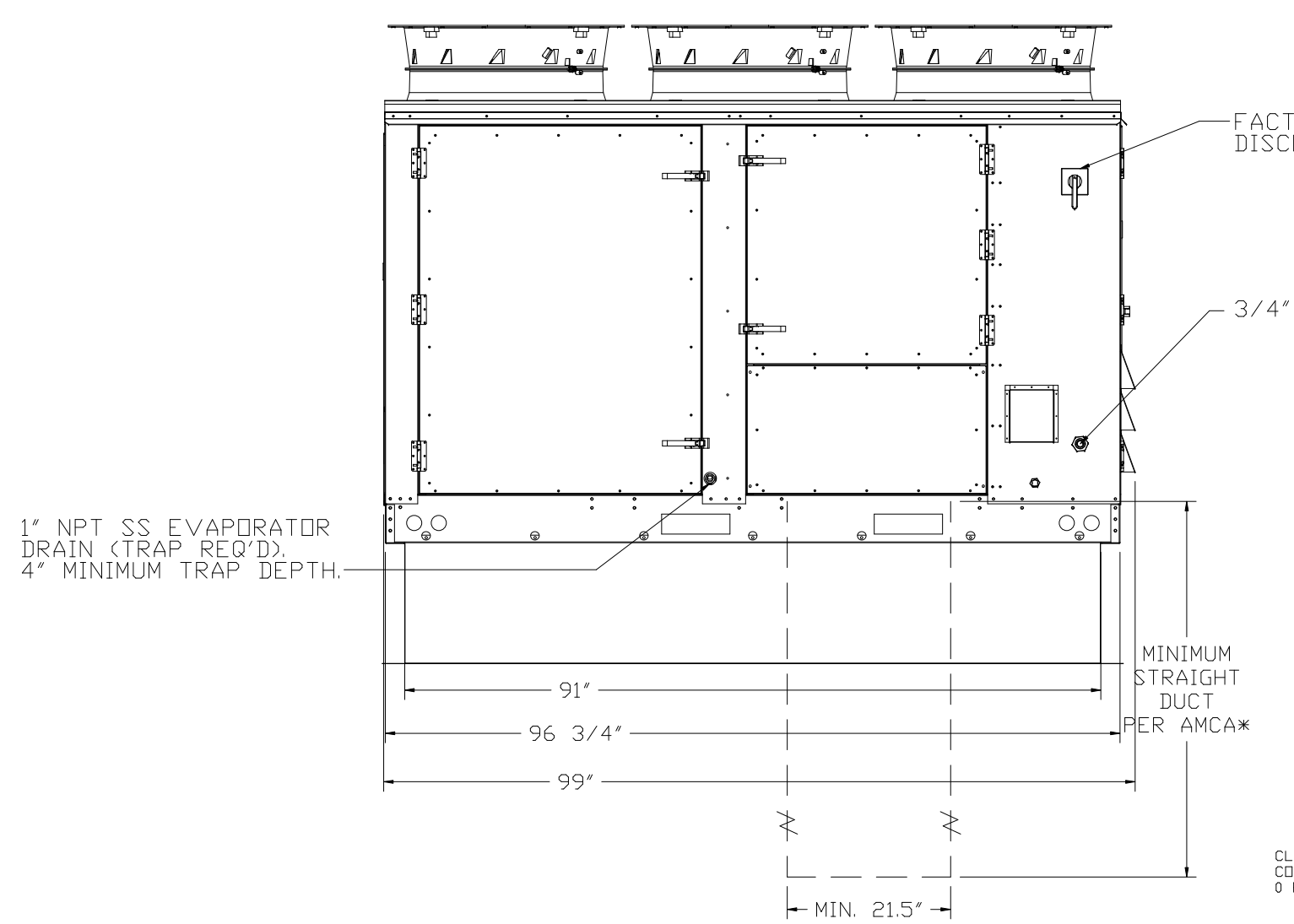
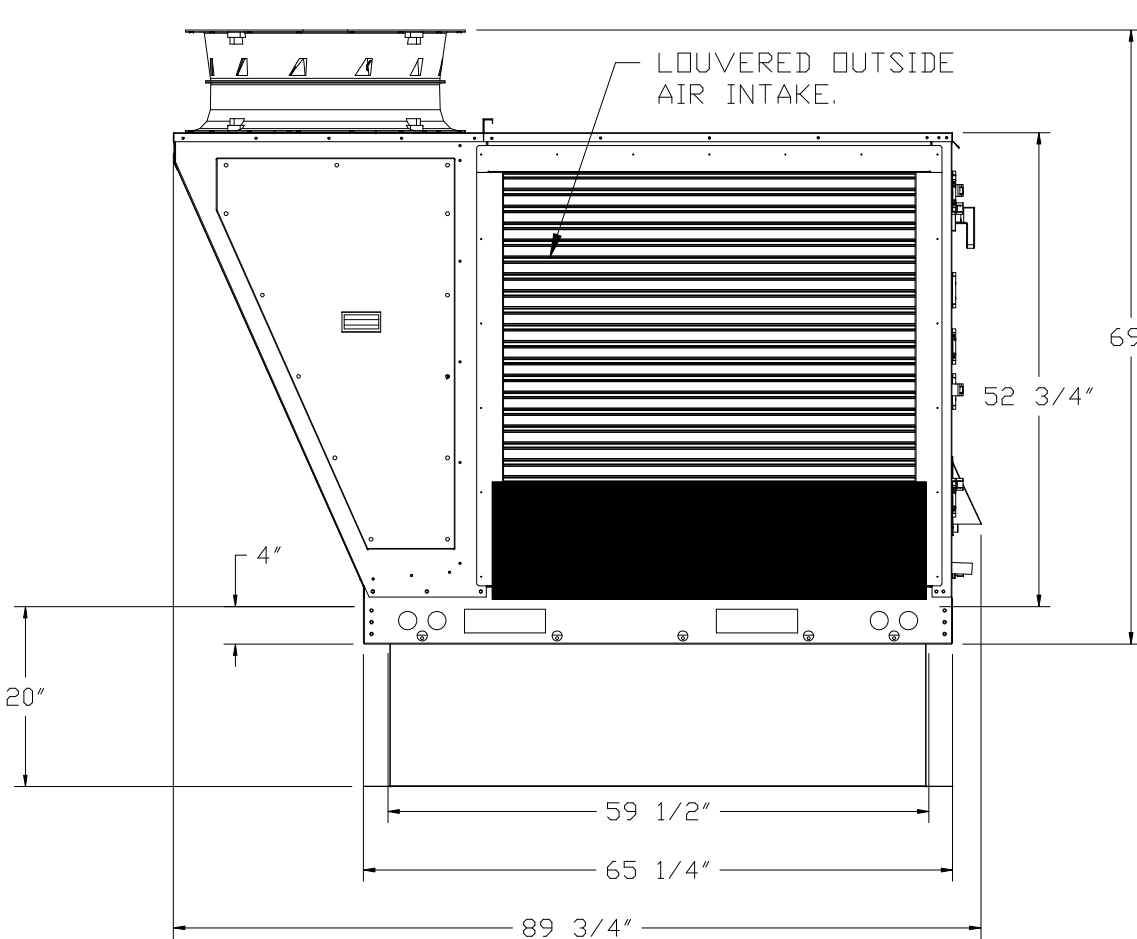
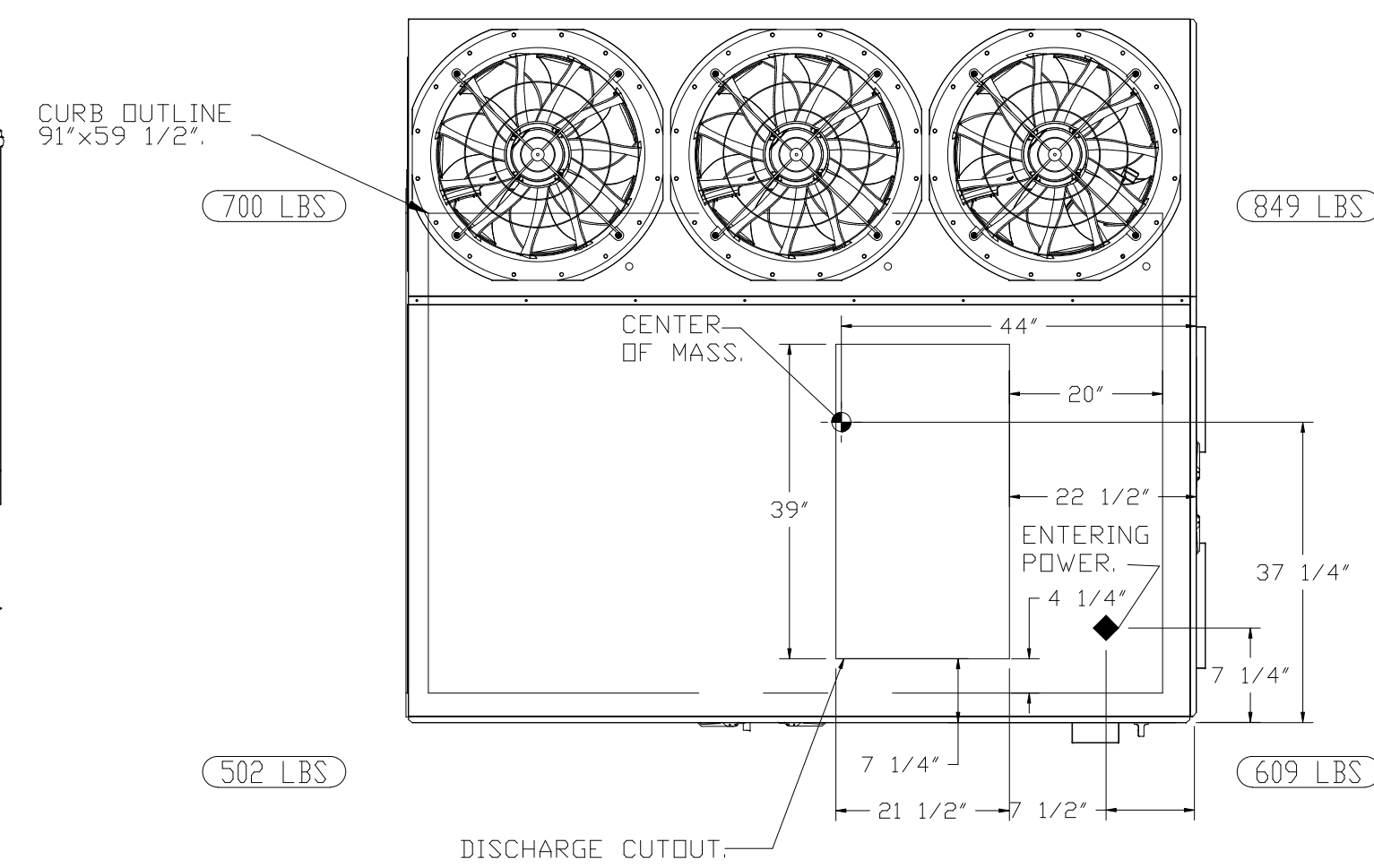
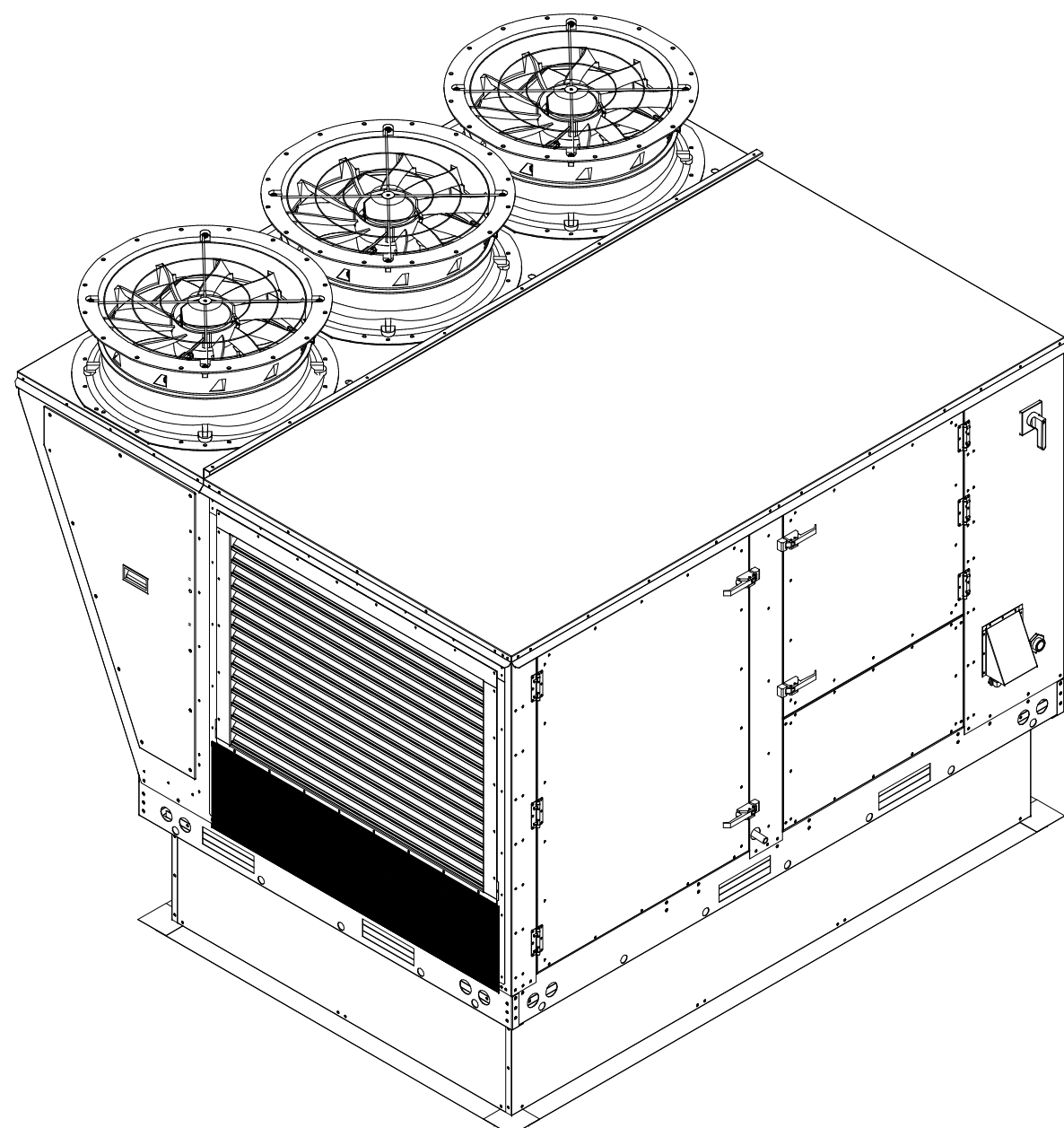
- DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
- DENOTES CORNER WEIGHT.
- ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.

OPTIONS:

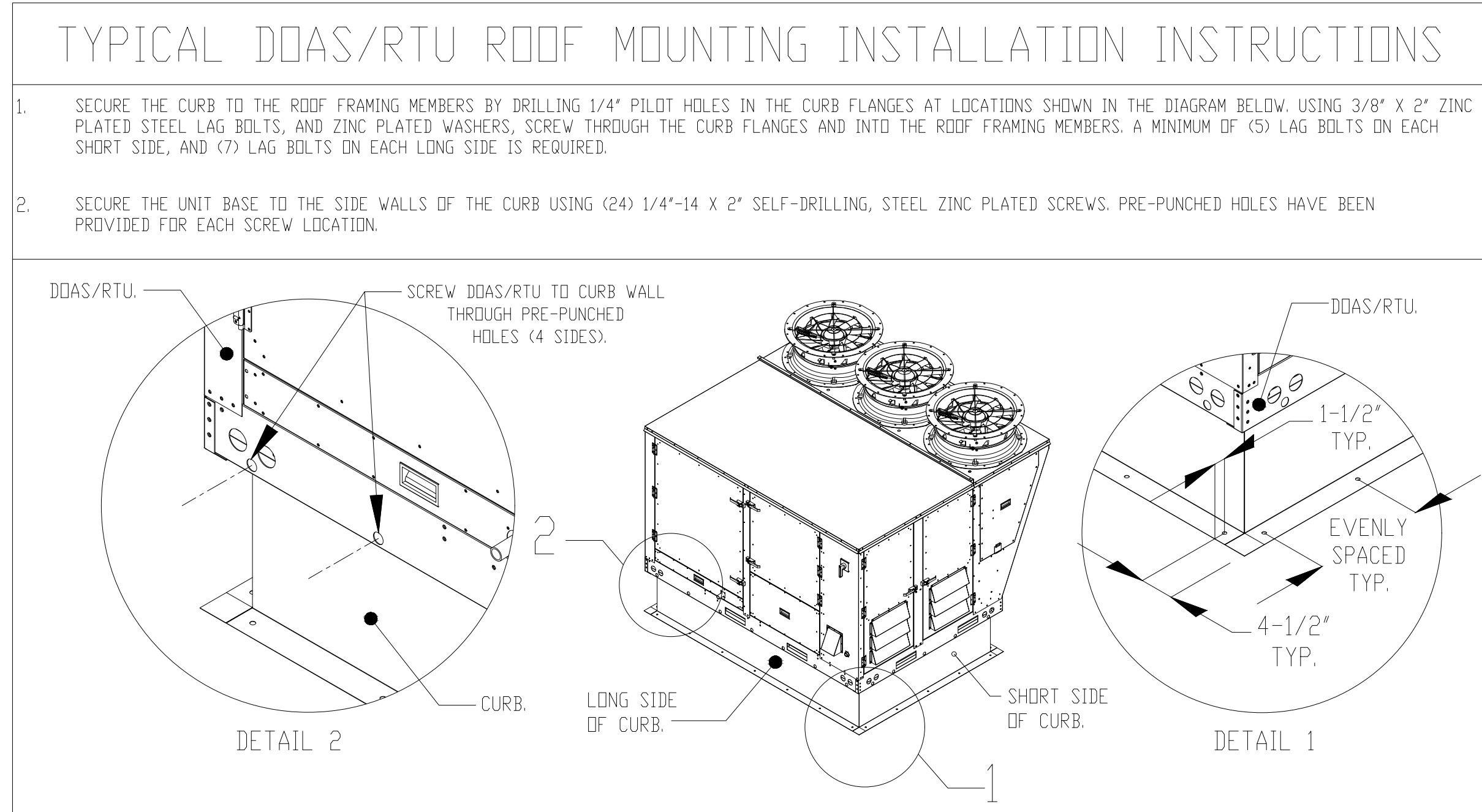
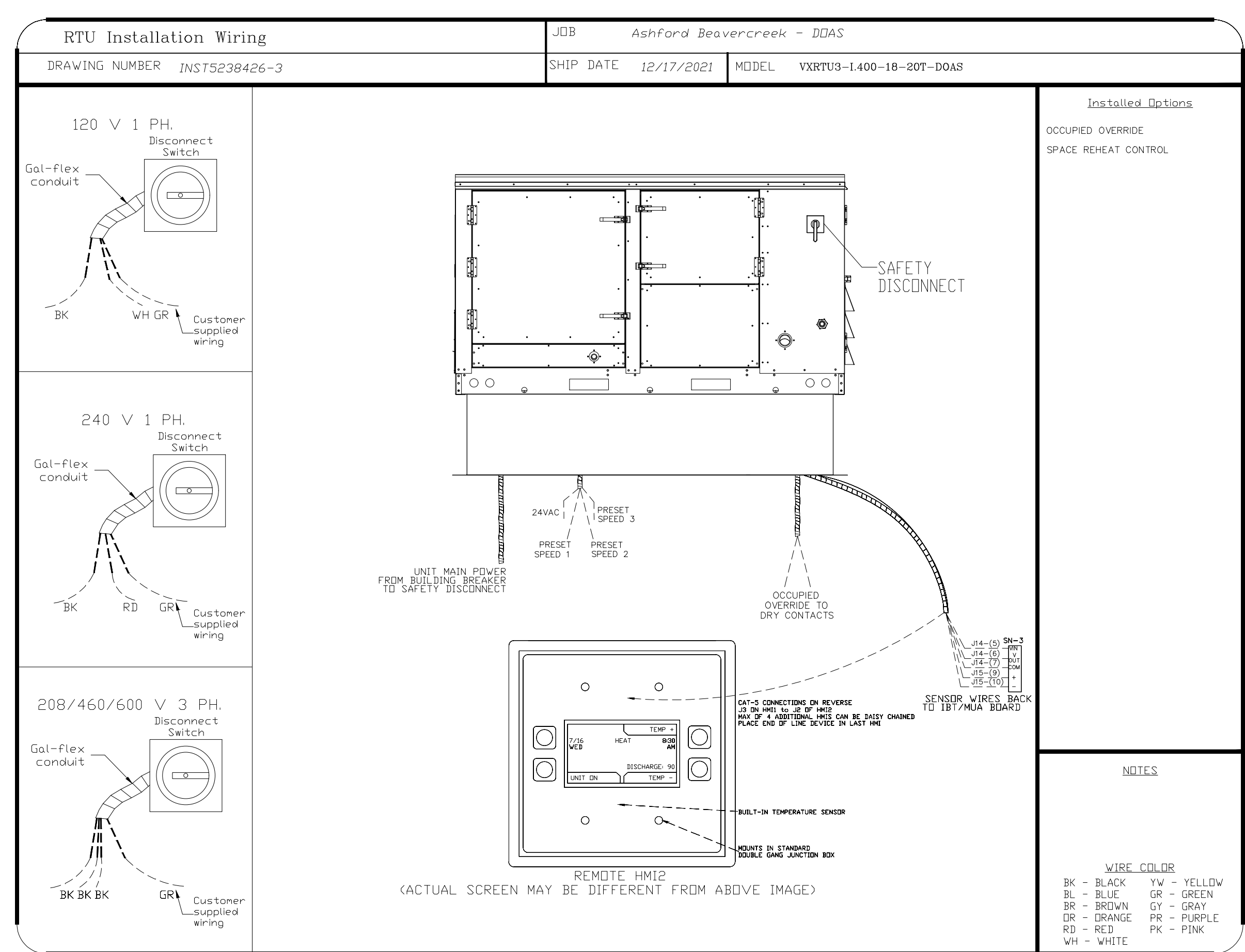
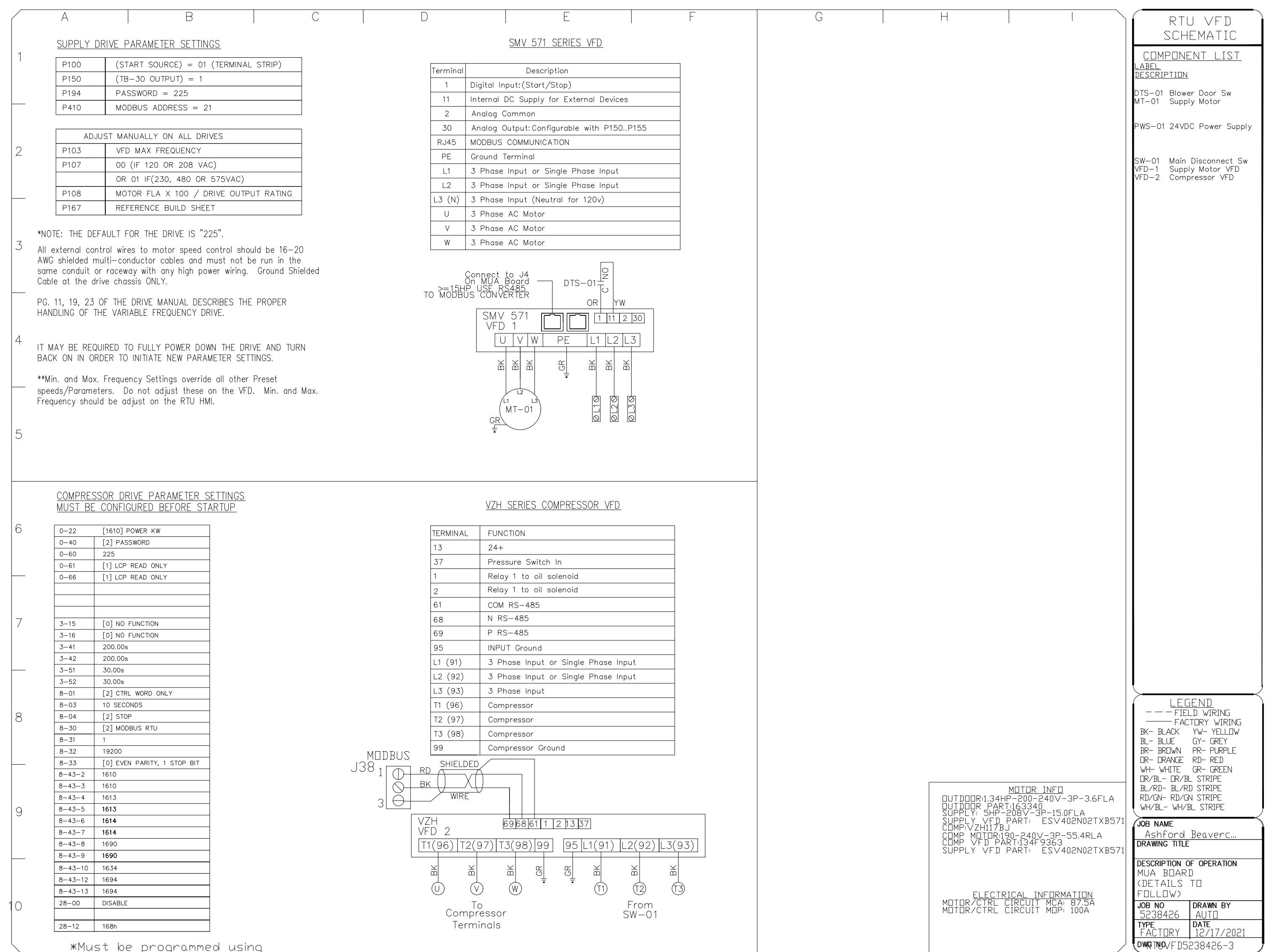
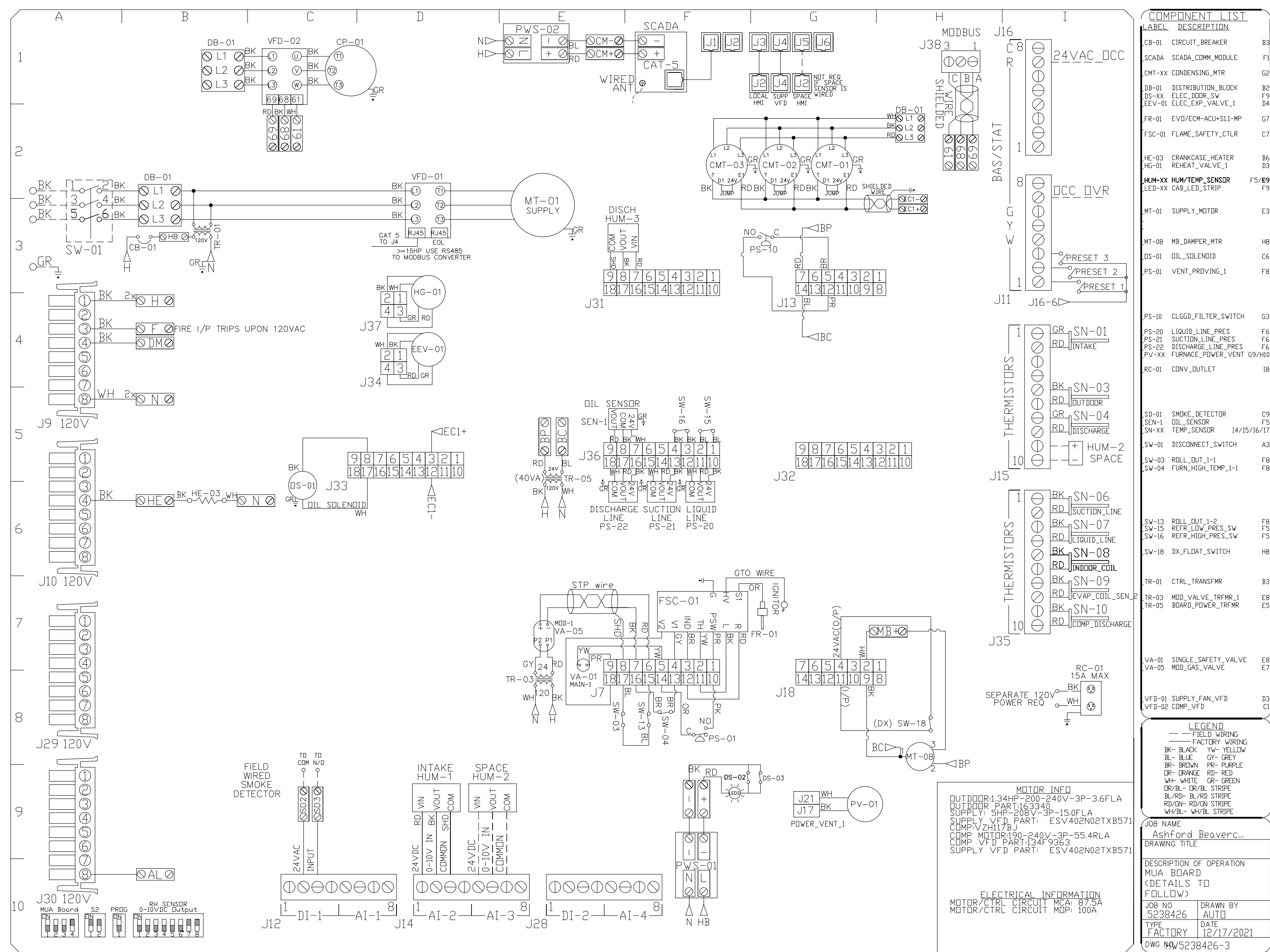
- INLET PRESSURE GAUGE, 0-35".
- MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 1 FURNACE.
- RTU TOTAL CFM MONITORING.
- SINGLE POINT ELECTRICAL CONNECTION FOR RTU. 750VA TRANSFORMER USED. IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #28, #47, "MA", OR "E2" PREWIRE OPTION MUST BE SELECTED. DOES NOT PROVIDE SUPPLY STARTER IN PREWIRE.
- CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED.
- RTU3 DOWN DISCHARGE.
- 2" MERV 13 FILTERS FOR RTU3 (QTY. 4).
- 2" MERV 8 FILTERS FOR RTU3 (QTY. 4).
- OVERHEAT STAT.
- VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE.
- RTU FIXED 100% OA INTAKE CONTROL.
- RTU3 NO RETURN - 100% OA.
- REMOTE TEMPERATURE AND HUMIDITY SPACE SENSOR.
- 20 TON MODULATING COOLING OPTION, 208/230V. R410A REFRIGERANT, VARIABLE SPEED COMPRESSOR, ECM CONDENSING FANS.
- 20 TON MODULATING REHEAT OPTION - SPACE DEWPOINT CONTROL.
- RTU3 CURB DUCT HANGER.
- COMMERCIAL SMOKE DETECTOR/ALARM INTERLOCK - ALARM SUPPLIED BY OTHERS.
- OCCUPIED SCHEDULING.
- CLOGGED FILTER SWITCH - NOTIFICATION ON HMI.
- FACTORY PROVIDED POWER AND COMMUNICATION WHIPS.
- RTU3 CONVENIENCE OUTLET (GFCI), 15 AMP - REQUIRES SEPARATE 120V CONNECTION. INCLUDES RECEPTACLE, COVER AND J-BOX.
- RTU3 HAIL GUARD.
- VAV PACKAGE W/ MANUAL/DCV CONTROL (571 VFD INCLUDED).
- SUPPLY FAN PRESET SPEED.
- 5 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVE SERVICE CONTRACT, 25 YEAR STAINLESS STEEL FURNACE PARTS WARRANTY (SEE ADDITIONAL DETAILS).



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



<p>KITCHEN CEILING HEIGHT _____</p> <p>SERVICES COOK LINE CEILING HEIGHT _____</p> <p>DISH ROOM CEILING HEIGHT _____</p> <p>VOLTAGE FOR GREASE FAN (a) AND MUA (a) _____</p> <p>VOLTAGE FOR DISHWASHER FAN (a) _____</p> <p>ROOF SLOPE FOR GREASE FAN (a) _____</p> <p>ROOF SLOPE FOR MUA (a) _____</p> <p>FIRE SYSTEM APPLIANCE LINE UP CONFIRMATION <input type="checkbox"/></p>		<p>APPROVED <input type="checkbox"/></p> <p>APPROVED AS NOTED <input type="checkbox"/></p> <p>REVISE AND RE-SUBMIT <input type="checkbox"/></p> <p>BY _____</p> <p>DATE _____</p> <p>SIGNATURE _____</p>									
<p>REVISIONS</p> <table border="1"> <tr> <th>REV</th> <th>DATE</th> <th>BY</th> <th>REMARKS</th> </tr> <tr> <td>10</td> <td>01.06.22</td> <td>SK</td> <td>100% BID PERMIT CONSTRUCTION SET</td> </tr> </table>		REV	DATE	BY	REMARKS	10	01.06.22	SK	100% BID PERMIT CONSTRUCTION SET	<p>DATE: 01/27/2022 SCALE: AS NOTED SHEET NUMBER: KH05 SHT OF: 09</p>	
REV	DATE	BY	REMARKS								
10	01.06.22	SK	100% BID PERMIT CONSTRUCTION SET								
<p>655 Dearborn Park Lane Worthington, OH 43085 Phone: (800) 492-7400 Website: www.zventilationsolutions.com</p>		<p>Z-VENT NO. -- ITEM NO. --</p> <p>JOB: ASHFORD BEAVERCREEK LOC: ASHFORD BEAVERCREEK, DAYTON, OH, 45430 CUST: _____</p>									



REV	DATE	BY	REMARKS
01	06/22	SK	CONSTRUCTION SET

REVISIONS

APPROVED AS NOTED

REVISION AND RE-SUBMIT

DATE: 01/27/2022

SCALE: AS NOTED

SHEET NUMBER: KH06

SHT OF: 08

ZVENTILATIONS SOLUTIONS

655 Dearborn Park Lane
Worthington, OH 43085
Phone: (800) 492-7400
Website: www.zventilationsolutions.com

JOB: ASHFORD BEAVERCREEK
LOC: ASHFORD BEAVERCREEK, DAYTON, OH, 45430

CUSTOMER:

DUCTWORK #1 PARTS - JOB#5238426 DOUBLE WALL DW-29										
TAG	PART #	CFM	GPM	ZONE COVERED BY	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION	
P1	DV1230VASY-ER-S	1500				-0.0473	14.16	190986	1 DOUBLE WALL DUCT - 12" INNER 30 DUCT - 2 LAYERS REDUCED CLEARANCE - 16" STAINLESS STEEL OUTER SHELL.	
P2	DV1230VASY-ER-S	1500				-0.1953	34.13	190986	1 DOUBLE WALL DUCT - 12" INNER TEE DUCT - 2 LAYERS REDUCED CLEARANCE - 16" STAINLESS STEEL OUTER SHELL.	
P3	ASSEMBLED V/P2 D-S								1 DOUBLE WALL DUCT - 12" INNER ACCESS DOOR & 16" ACCESS DOOR COVER WITH CLAMPS - 2 LAYERS REDUCED CLEARANCE - 16" STAINLESS STEEL OUTER SHELL.	
P4	DV1237VLT-ER-S	1500				-0.004	9.92	190986	1 DOUBLE WALL DUCT - 12" INNER DUCT, 7" LONG - 2 LAYERS REDUCED CLEARANCE - 16" STAINLESS STEEL OUTER SHELL.	
P5	DV1628SABKIT						6.53		1 DUCT - HORIZONTAL SADDLE SUPPORT KIT, USED WITH 16" OD - INCLUDES UNI-STRUT CUT TO LENGTH, DV1620SAD, & HARDWARE BAG 4.	
P6	DV1216VWVNDAPPECCASY-ER-S	1500				-0.07	18.45	190986	1 DOUBLE WALL DUCT - 12" X 16" ENDROUND ECCENTRIC ADAPTER - 2 LAYERS REDUCED CLEARANCE - 16" X 20" STAINLESS STEEL OUTER SHELL.	
P7	DV1628VTEASY-ER-S	3000		1		-0.59	49.32	214859	1 DOUBLE WALL DUCT - 12" INNER TEE DUCT - 2 LAYERS REDUCED CLEARANCE - 20" STAINLESS STEEL OUTER SHELL.	
P8	DV1216VWVNDAPPECCASY-ER-S	1500				-0.07	18.45	190986	1 DOUBLE WALL DUCT - 12" X 16" ENDROUND ECCENTRIC ADAPTER - 2 LAYERS REDUCED CLEARANCE - 16" X 20" STAINLESS STEEL OUTER SHELL.	
P9	DV1237VLT-ER-S	1500				-0.004	9.92	190986	1 DOUBLE WALL DUCT - 12" INNER DUCT, 7" LONG - 2 LAYERS REDUCED CLEARANCE - 16" STAINLESS STEEL OUTER SHELL.	
P10	DV1628SABKIT						6.53		1 DUCT - HORIZONTAL SADDLE SUPPORT KIT, USED WITH 16" OD - INCLUDES UNI-STRUT CUT TO LENGTH, DV1620SAD, & HARDWARE BAG 4.	
P11	ASSEMBLED V/P13	1500		1		-0.1953	34.13	190986	1 DOUBLE WALL DUCT - 12" INNER TEE DUCT - 2 LAYERS REDUCED CLEARANCE - 16" STAINLESS STEEL OUTER SHELL.	
P12	DV1230VASY-ER-S	1500				-0.0473	14.16	190986	1 DOUBLE WALL DUCT - 12" INNER 30 DUCT - 2 LAYERS REDUCED CLEARANCE - 16" STAINLESS STEEL OUTER SHELL.	
P13	ASSEMBLED V/P11 D-S								1 DOUBLE WALL DUCT - 12" INNER ACCESS DOOR & 16" ACCESS DOOR COVER WITH CLAMPS - 2 LAYERS REDUCED CLEARANCE - 16" STAINLESS STEEL OUTER SHELL.	
P14	DV1647VWVNDAPPECCASY-ER-S	3000				-0.028	103.34	214859	1 DOUBLE WALL ADJUSTABLE DUCT - 16" INNER DUCT - 2 LAYERS REDUCED CLEARANCE - 20" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 10' / MAX LENGTH = 480' / ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.	
P15	ASSEMBLED V/P16					-0.027	68.55	214859	1 DOUBLE WALL DUCT - 16" INNER DUCT, 45.5" LONG - 2 LAYERS REDUCED CLEARANCE - 20" STAINLESS STEEL OUTER SHELL - USED WITH TRANSITION PLATE.	
P16	ASSEMBLED V/P15						9.00	214859	1 DUCT TO CURB TRANSITION 3/4" DOWN TURN, 26 1/2" CURB TO 16" DUCT, 16 GA ALUMINIZED USED IN NCA/HPA / NCA/HPFA & NCA/HPA / NCA/HPFA. TRANSITION PLATE OD IS 27.00" DESIGNED FOR USE WITH EXHAUST FAN. NON-STANDARD PART.	
	3M-2000PLUS						0.00	4	DUCT - 3M FIRE BARRIER 2000 PLUS SILICONE - USED AS SEALANT TO SEAL DUCT JOINTS.	
	DV126VCLASY-ER-S						6.44	6	DUCT - 12" DUCT - 16" DOUBLE "V" CLAMP - 2R INSULATION & SINGLE "V" CLAMP INCLUDED - REDUCED CLEARANCE.	
	DV1628VCLASY-ER-S						7.96	2	DUCT - 16" DUCT - 20" DOUBLE "V" CLAMP - 2R INSULATION & SINGLE "V" CLAMP INCLUDED - REDUCED CLEARANCE.	
	TOTAL WEIGHT								491.49	

- DOUBLE WALL FACTORY BUILT DUCTWORK
- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
 - FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE ENTIRE INSTALLATION AND OPERATION MANUAL.
 - DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.
 - WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.

HORIZONTAL	
DUCT DIAMETER	SUPPORT SPACING (FT)
5"	7'
6"	7'
7"	7'
8"	7'
10"	7'
12"	7'
14"	7'
16"	7'
18"	5'
20"	5'
22"	5'
24"	5'
26"	5'
28"	5'
30"	5'
32"	5'
34"	5'
36"	5'

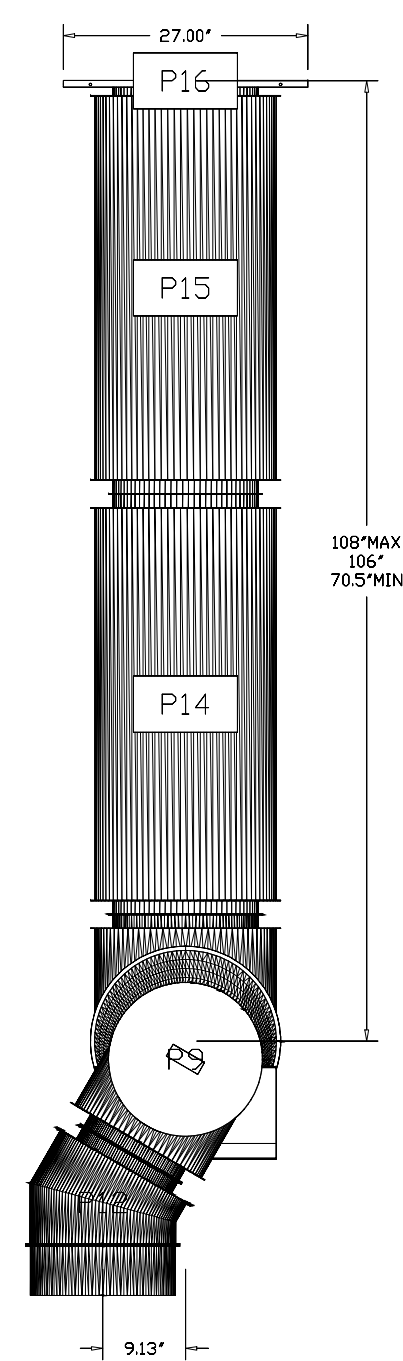
VERTICAL			
TYPE	WALL SUPPORT (FT)	CURB SUPPORT (FT)	FLOOR SUPPORT (FT)
ER & BR HT (5'-16")	20'	24'	24'
ER (18")	18'	24'	24'
BR & SZ (5'-24")	10'	24'	24'
SZ (36'-36")	10'	20'	20'

FACTORY BUILT GREASE DUCT IS BUILT IN COMPLIANCE WITH:

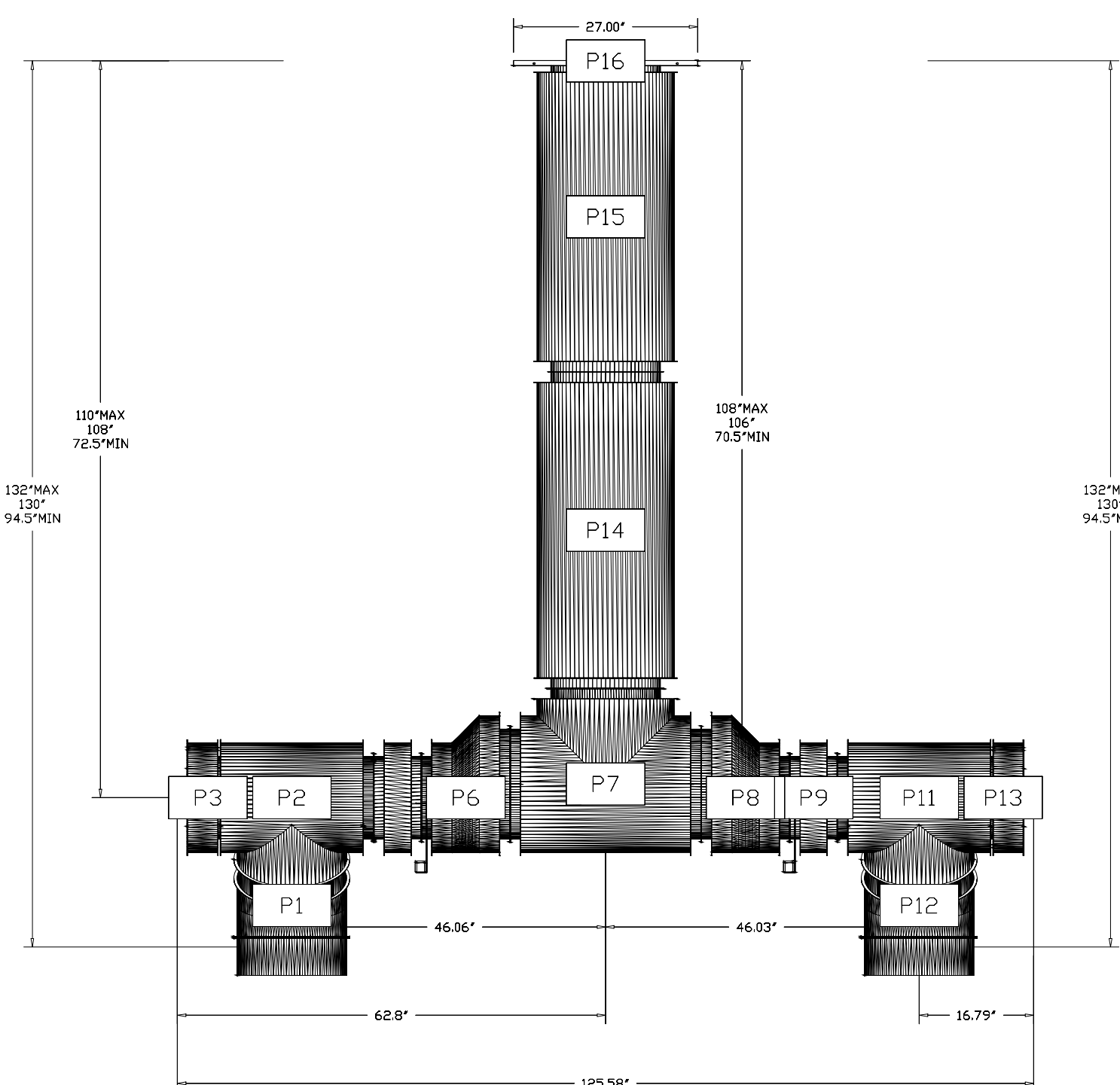
Listed under ETL File number 314021, and complies with UL-197B.
 Models 20 and 30 are listed in accordance with Condition B of UL Standard 2221 - Installation within non-ventilated combustible enclosure.
 Model 32 is listed in accordance with Condition A and Condition B of UL Standard 2221 - Condition A represents installation conditions except for installation within non-ventilated combustible enclosure. Condition B represents installation within a non-ventilated combustible structure.



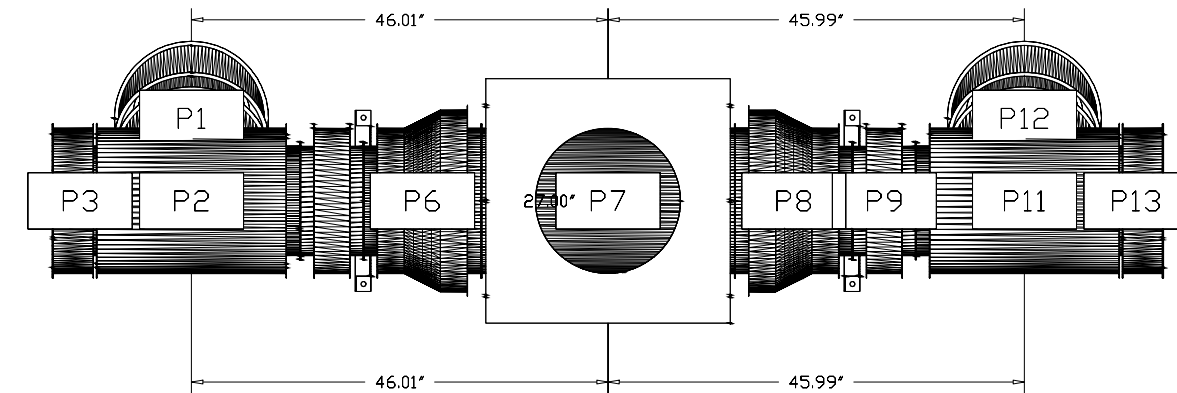
DUCTWORK #1 SIDE VIEW DW-29



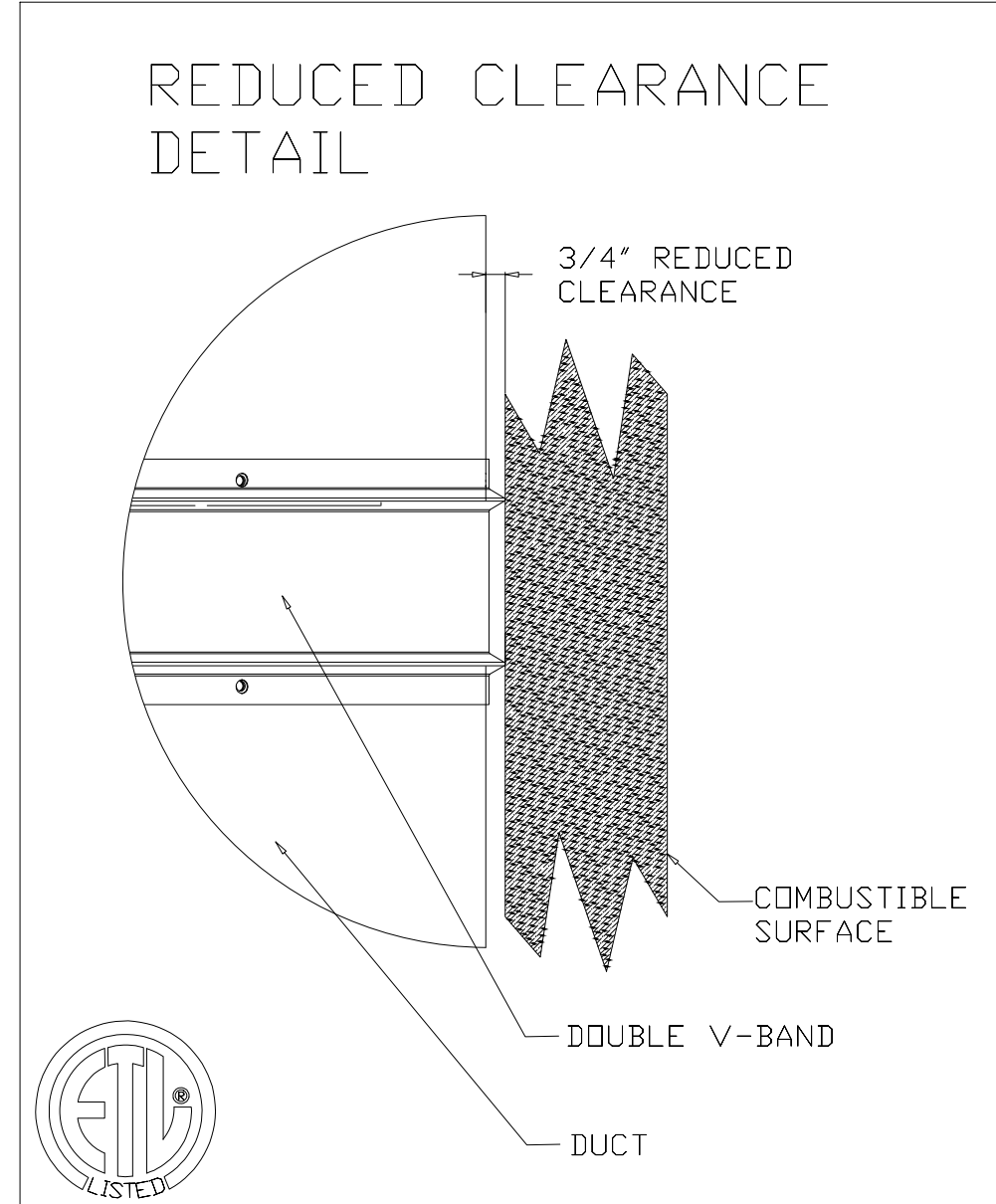
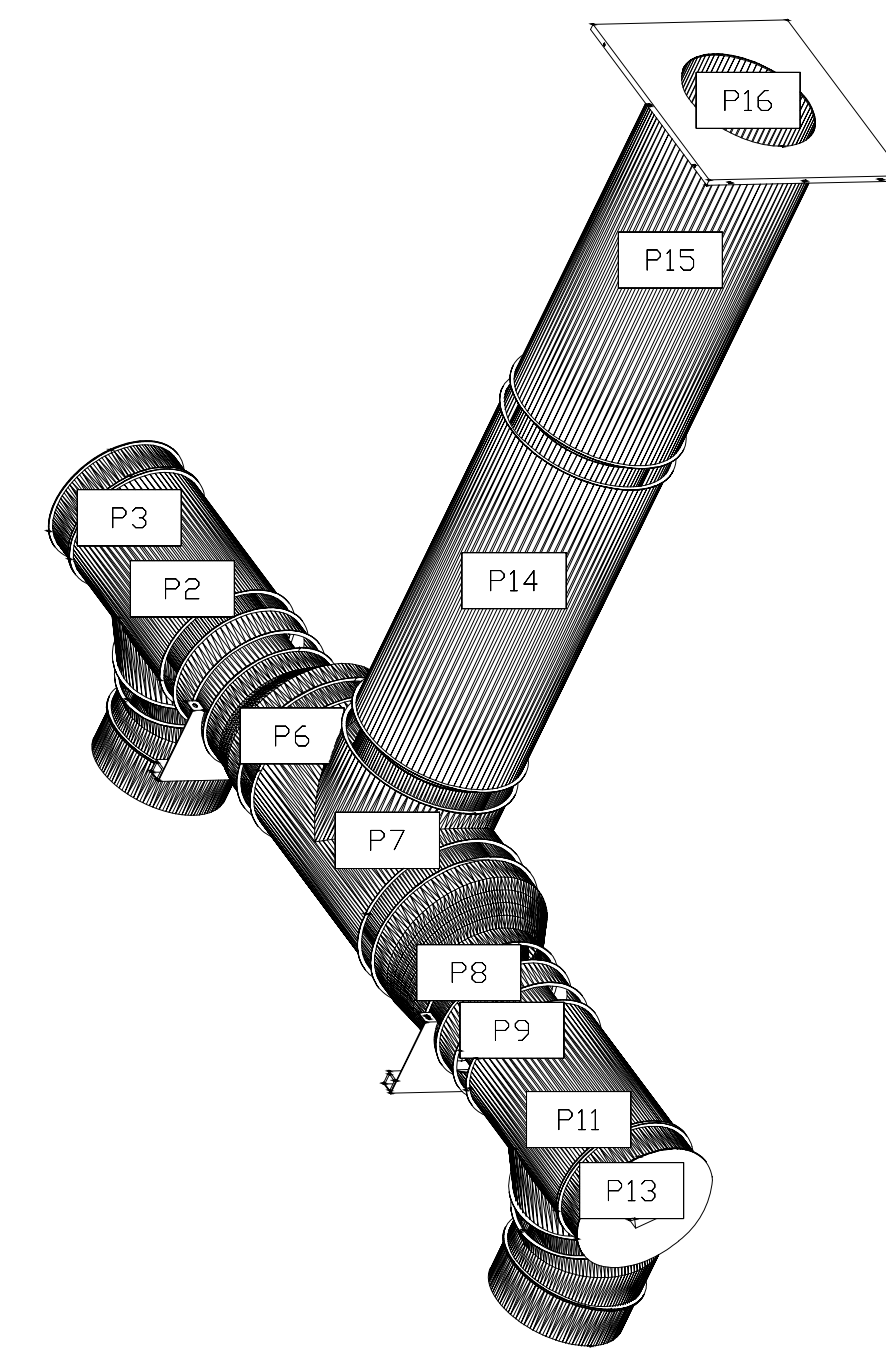
DUCTWORK #1 FRONT VIEW DW-29



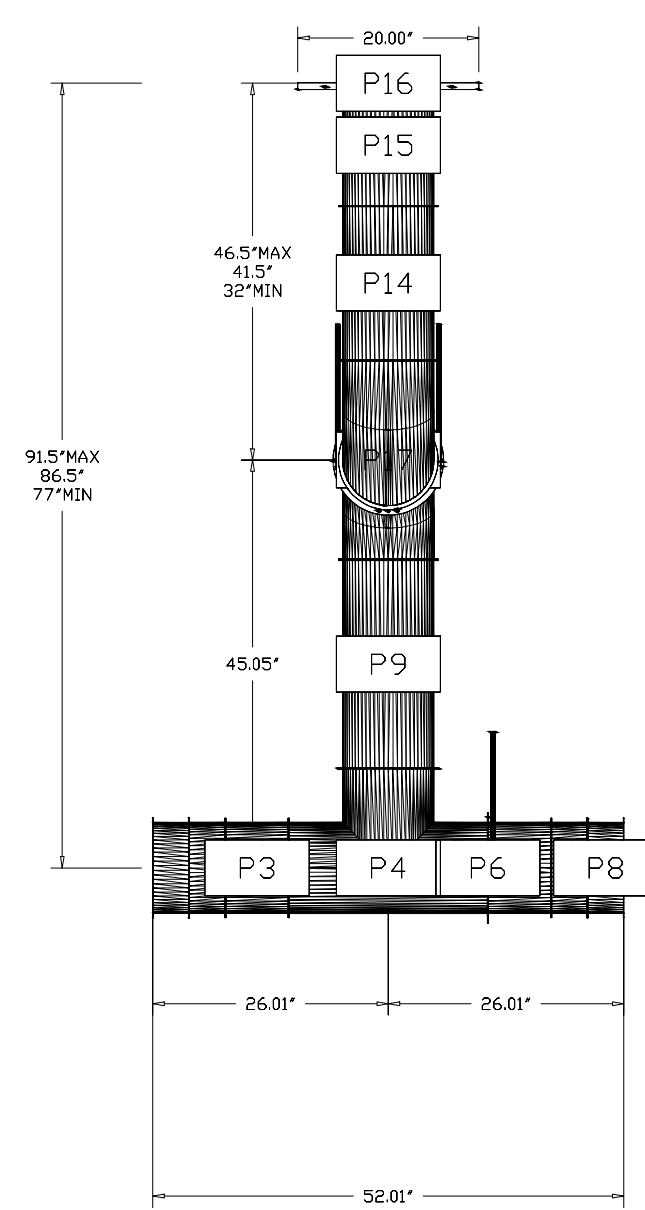
DUCTWORK #1 TOP VIEW DW-29



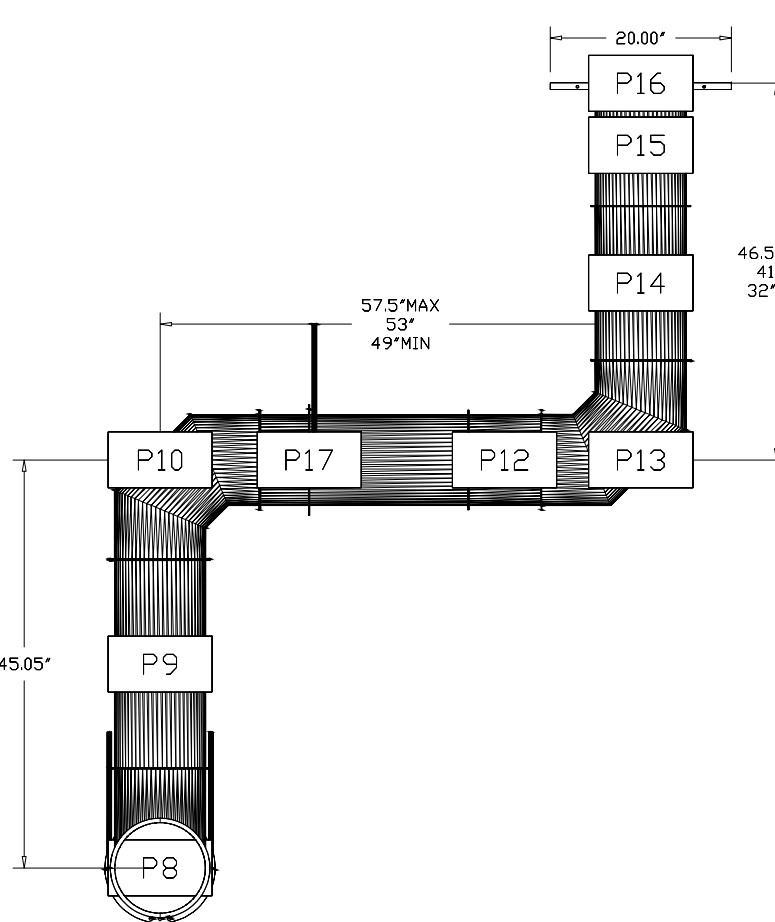
DUCTWORK #1 SE VIEW DW-29



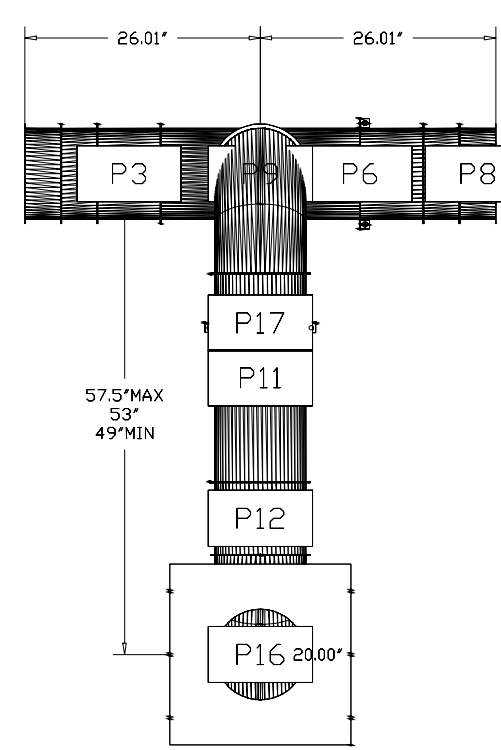
DUCTWORK #2 FRONT VIEW DW-62.1



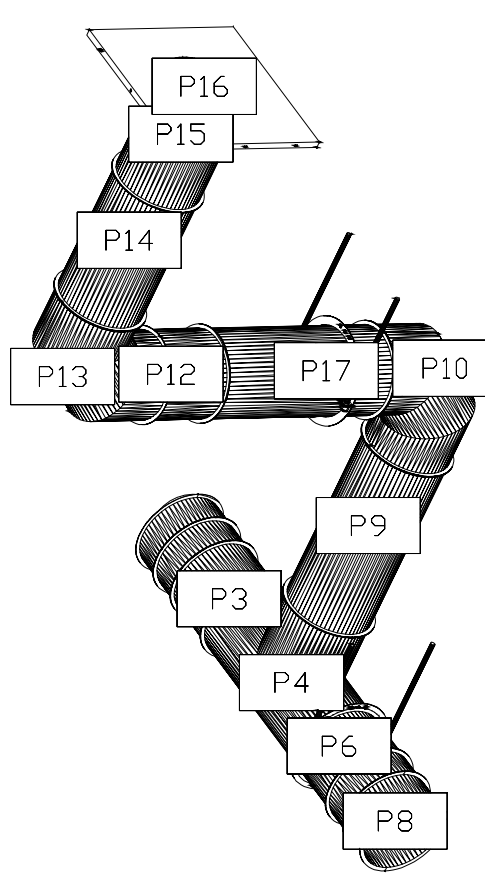
DUCTWORK #2 SIDE VIEW DW-62.1



DUCTWORK #2 TOP VIEW DW-62.1



DUCTWORK #2 SE VIEW DW-62.1



DO NOT LEAK TEST USING SMOKE BOMBS CONTAINING CHLORINES/CHLORIDES. CONSULT WITH MANUFACTURER FOR PROPER LEAK TESTING METHODS.

DUCTWORK #2 PARTS - JOB#5238426 DW-62.1										
TAG	PART #	CFM	GPM	ZONE COVERED BY	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION	
P1	DV1004LTER					1.61		1	SINGLE WALL DUCT RISER FOR WELDED HOODS, 10" DIA DUCT, STAINLESS STEEL.	
P2	DV1004LT					1.61		1	SINGLE WALL DUCT 10" DIAMETER, 4" LONG, FLANGE AT BOTH ENDS, STAINLESS STEEL.	
P3	DV1007LT					2.60		1	SINGLE WALL DUCT 10" DIAMETER, 7" LONG, FLANGE AT BOTH ENDS, STAINLESS STEEL.	
P4	DV1007EASY			1		10.10		1	SINGLE WALL DUCT TEE, 10" DUCT, ASSEMBLY.	
P5	DV1007LT					2.60		1	SINGLE WALL DUCT 10" DIAMETER, 7" LONG, FLANGE AT BOTH ENDS, STAINLESS STEEL.	
P6	DV1005UBRASY					2.54		1	DUCT SUPPORT BRACKET KIT, 10" DUCT, USED FOR HANGING DUCT, 12 GA STEEL, CLEAR ZINC COATING - 2 RINGS, 4 BRACKETS, & HARDWARE BAG 2.	
P7	DV1004LT					1.61		1	SINGLE WALL DUCT 10" DIAMETER, 4" LONG, FLANGE AT BOTH ENDS, STAINLESS STEEL.	
P8	DV1004LTER					1.61		1	SINGLE WALL DUCT RISER FOR WELDED HOODS, 10" DIA DUCT, STAINLESS STEEL.	
P9	DV1003LT					7.70		1	SINGLE WALL DUCT 10" DIAMETER, 23" LONG, FLANGE AT BOTH ENDS, STAINLESS STEEL.	
P10	DV1009R90F					6.49		1	SINGLE WALL DUCT 90 DEGREE ELBOW, 10" DUCT, ASSEMBLY.	
P11	DV1003LT					7.70		1	SINGLE WALL DUCT 10" DIAMETER, 23" LONG, FLANGE AT BOTH ENDS, STAINLESS STEEL.	
P12	DV1018AJDKIT					7.95		1	SINGLE WALL DUCT ADJUSTABLE, 10" DIAMETER, 17.5" LONG, FLANGE AT ONE END WITH A 10" ADJUSTABLE COLLAR - STAINLESS STEEL.	
P13	DV1009R90F					6.49		1	SINGLE WALL DUCT 90 DEGREE ELBOW, 10" DUCT, ASSEMBLY.	
P14	DV1017LT					5.78		1	SINGLE WALL DUCT 10" DIAMETER, 17" LONG, FLANGE AT BOTH ENDS, STAINLESS STEEL.	
P15	ASSEMBLED V/P16					10.09		1	SINGLE WALL DUCT ADJUSTABLE, 10" DIAMETER, 23.5" LONG, FLANGE AT ONE END WITH A 10" ADJUSTABLE COLLAR - STAINLESS STEEL.	
P16	ASSEMBLED V/P15					7.50		1	DUCT TO CURB TRANSITION 3/4" DOWN TURN, 19-1/2" CURB TO 10" DUCT, 16 GA ALUMINIZED STEEL.	
P17	DV1005UBRASY					2.54		1	DUCT SUPPORT BRACKET KIT, 10" DUCT, USED FOR HANGING DUCT, 12 GA STEEL, CLEAR ZINC COATING - 2 RINGS, 4 BRACKETS, & HARDWARE BAG 2.	
	3M-2000PLUS					0.80		3	DUCT - 3M FIRE BARRIER 2000 PLUS SILICONE - USED AS SEALANT TO SEAL DUCT JOINTS.	
	DV100CLASY					0.82		15	DUCT "V" CLAMP WITH NEW DESIGN 14 GA BRACKETS, 10" DUCT, ASSEMBLY.	
	TOTAL WEIGHT					101.28				

- SINGLE WALL FACTORY BUILT DUCTWORK
- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
 - FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE INSTALLATION AND OPERATION MANUAL.
 - DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.
 - WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.

DUCT DIAMETER	HORIZONTAL SUPPORT (FT)	VERTICAL WALL SUPPORT (FT)	VERTICAL CURB SUPPORT (FT)
5"	10'	10'	24'
6"	10'	10'	24'
7"	10'	10'	24'
8"	10'	10'	24'
10"	10'	10'	24'
12"	10'	10'	24'
14"	10'	10'	24'
16"	10'	10'	24'
18"	10'	10'	24'
20"	10'	10'	24'
22"	10'	10'	24'
24"	10'	10'	24'
26"	10'	10'	24'
28"	10'	10'	24'
30"	10'	10'	24'
32"	10'	10'	24'
34"	10'	10'	24'
36"	10'	10'	24'

KITCHEN CEILING HEIGHT _____

SERVERY COOK LINE CEILING HEIGHT _____

DISH ROOM CEILING HEIGHT _____

VOLTAGE FOR GREASE FAN (s) AND MUA (s) _____

VOLTAGE FOR DISHWASHER FAN (s) _____

ROOF SLOPE FOR GREASE FAN (s) _____

ROOF SLOPE FOR MUA (s) _____

FIRE SYSTEM APPLIANCE LINE UP CONFIRMATION

This review is only for general conformance with the design concept and the information given in the construction documents. Corrections or comments made on the shop drawing during this review do not relieve the contractor from the compliance with the requirements of the plans and specifications. Review of a specific item shall include review of an assembly of which the item is a component or the full assembly, information that pertains to the fabrication, construction, coordination of the work with that of all other trades performing at work in a safe and satisfactory manner.

APPROVED _____

APPROVED AS NOTED _____

REVISE AND RE-SUBMIT _____

BY _____

DATE _____

SIGNATURE _____

REVISIONS			
REV	DATE	BY	REMARKS
01.06.22			CONSTRUCTION SET

DATE: 01/27/2022 SCALE: AS NOTED SHEET NUMBER: KH07 SHT OF: 0F

ZVS
Z-Ventilation SOLUTIONS

655 Dearborn Park Lane
Worthington, OH 43085
Phone: (800) 492-7400
Website: www.ventilationsolutions.com

Z-VENT NO. -- ITEM NO. --

JOB: ASHFORD BEAVERCREEK
LOC: ASHFORD BEAVERCREEK, DAYTON, OH, 45430
CUST: