

HOOD INFORMATION

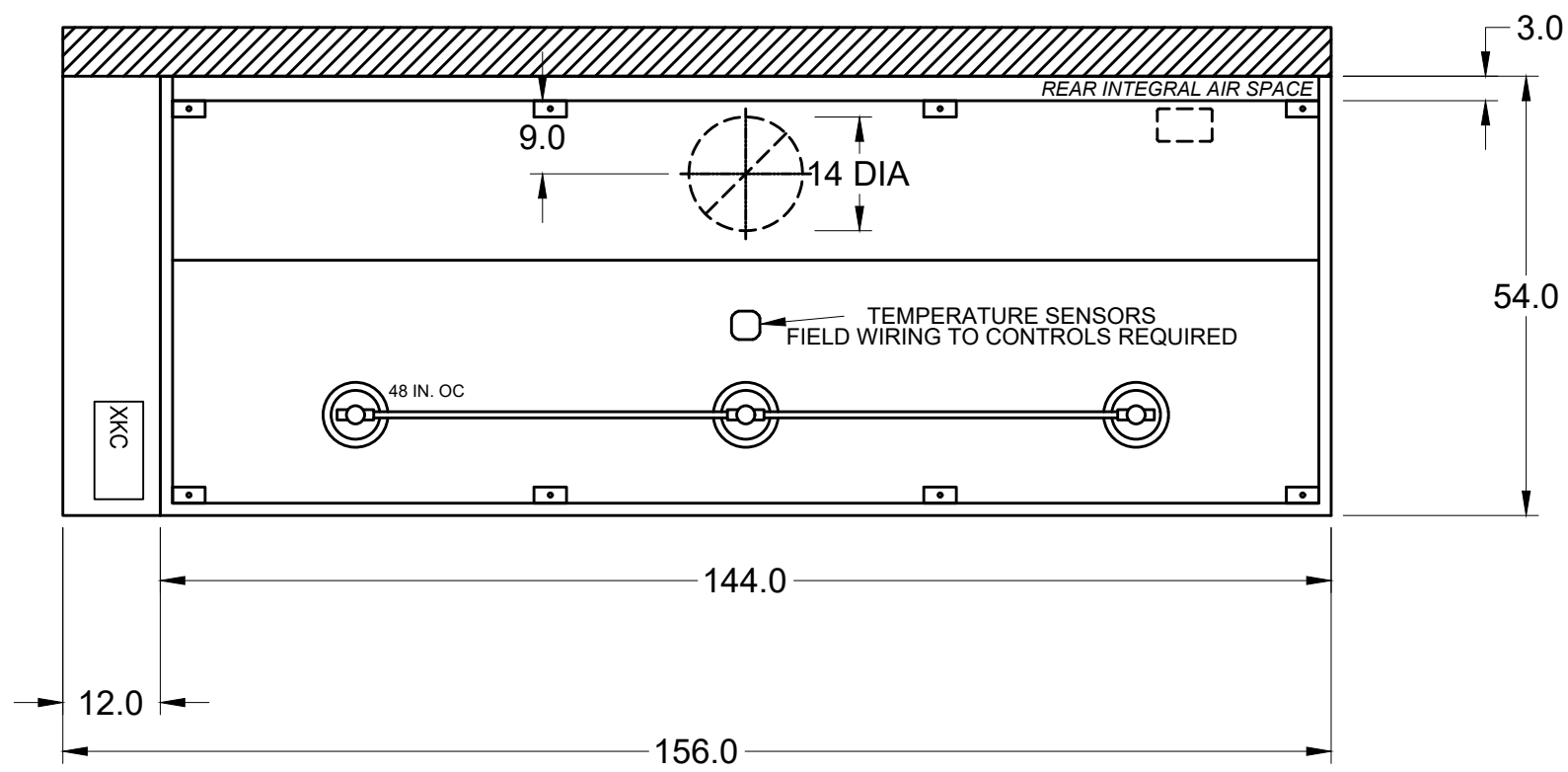
HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	TOTAL CFM	EXHAUST COLLAR(S)					SUPPLY		TOTAL WEIGHT LBS.	SECTION LOCATION
			LENGTH	WIDTH	HEIGHT				WIDTH	LENGTH	DIA.	CFM	S.P.	MUA CFM	AC CFM		
1	H-1	XBEW-144-S	144	54	24	430 SS WHERE EXPOSED	MEDIUM	1800			14	1800	0.398			361.228	SINGLE

HOOD INFORMATION

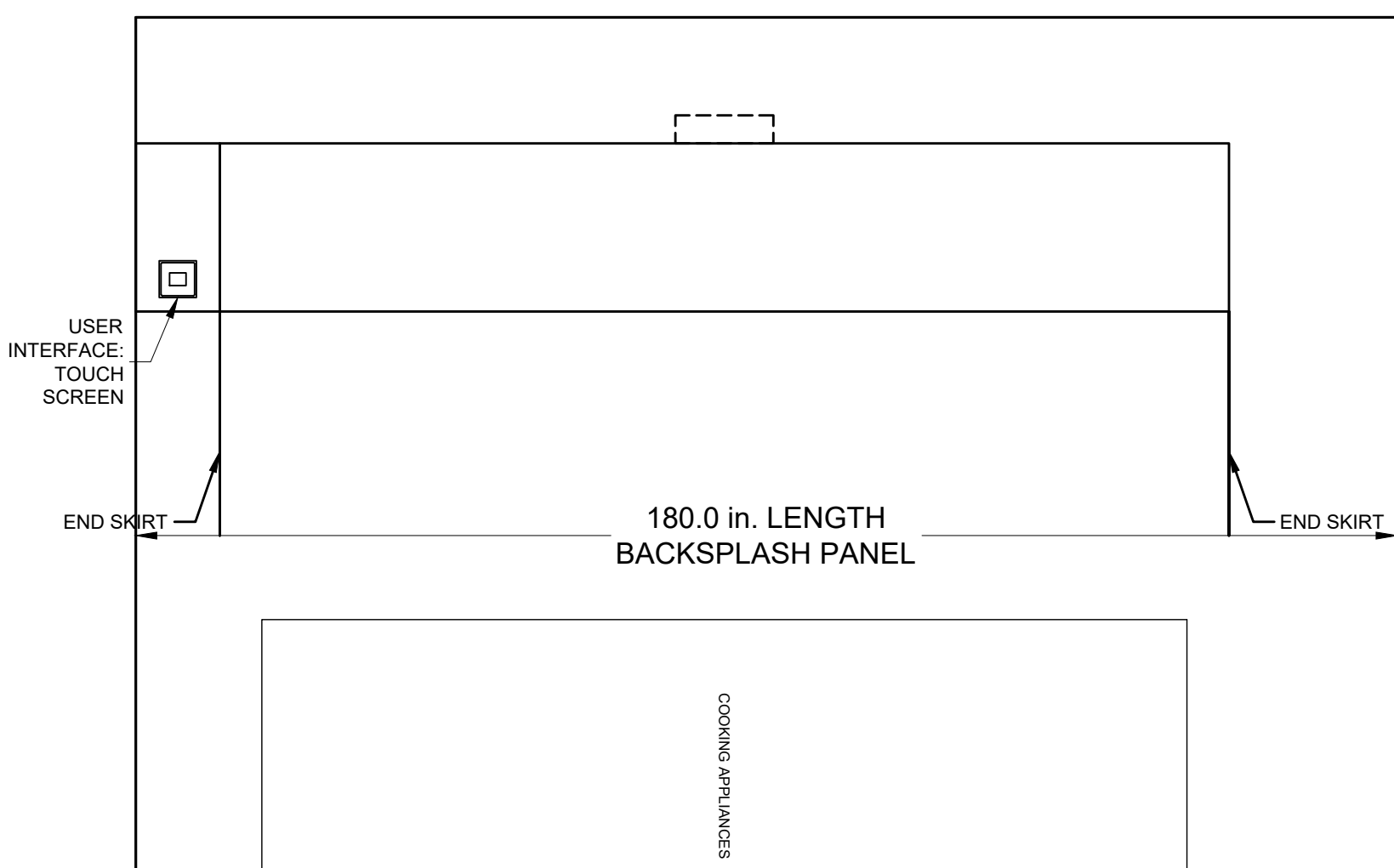
HOOD NO.	MARK	LIGHTING DETAILS			GREASE FILTRATION DETAILS			UTILITY CABINET(S)				
		FIXTURE TYPE BULB / LAMP INFO	QTY	FOOT CANDLES	TYPE / MODEL MATERIAL	QTY	SIZE (IN.) L H	LOCATION	FIRE SYSTEM TYPE	SIZE	MODEL	INTERFACE
1	H-1	ROUND LED	3	69.77	BAFFLE STAINLESS STEEL	4	16 20	LEFT			XKC	TOUCHSCREEN

HOOD OPTIONS

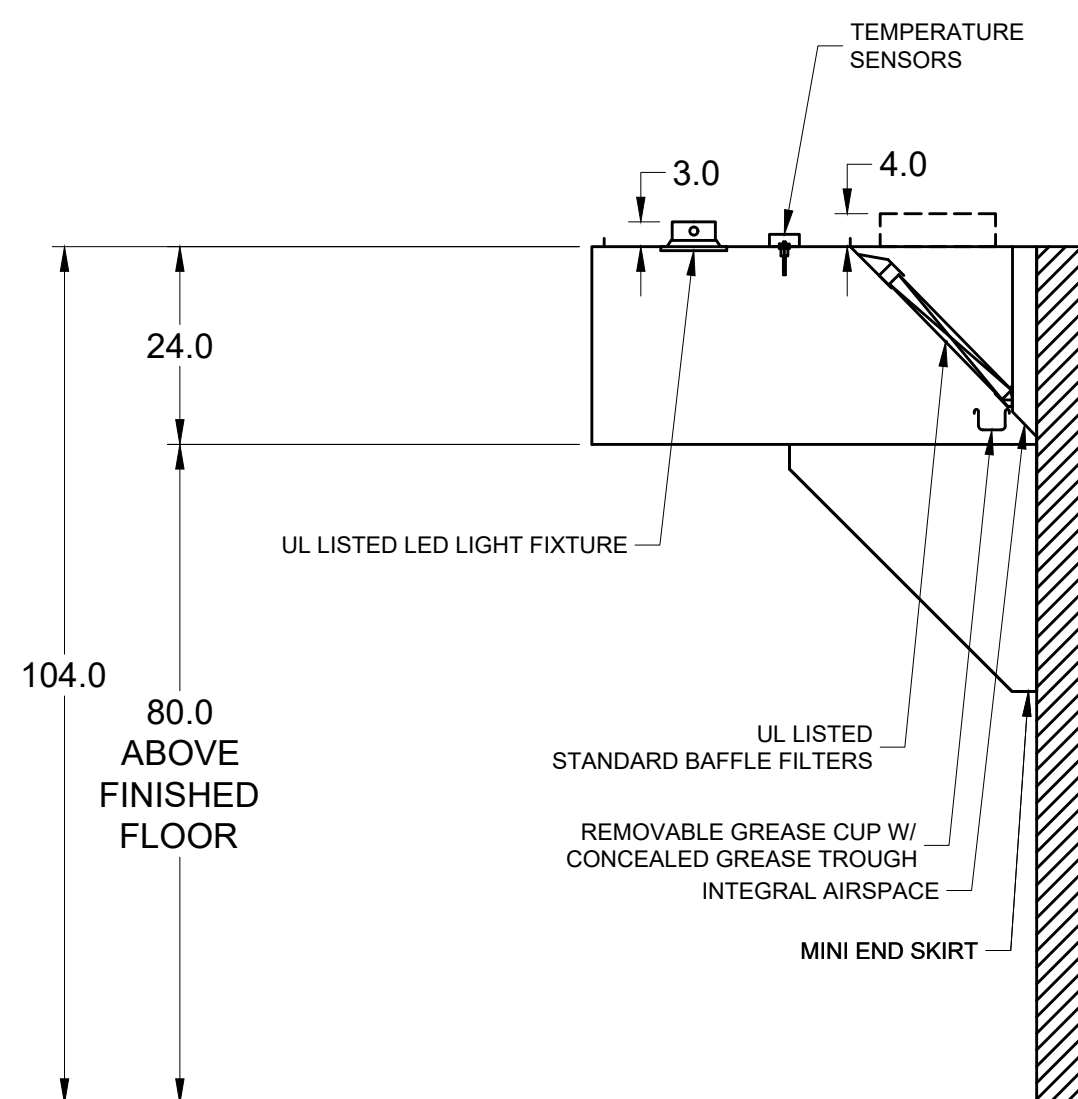
UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625
 BACK INTEGRAL AIR SPACE - 3 IN WIDE
 SHIPPED LOOSE EXHAUST COLLAR(S)
 LEFT MINI END SKIRT - 30 IN HIGH 30.00 IN TOP WIDTH 4.0 IN BOTTOM WIDTH
 RIGHT MINI END SKIRT - 30 IN HIGH 30.00 IN TOP WIDTH 4.0 IN BOTTOM WIDTH
 BACKSPLASH INSULATED 122.00 IN HIGH 180.00 IN LONG 1 IN THICK
 PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY
 STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH



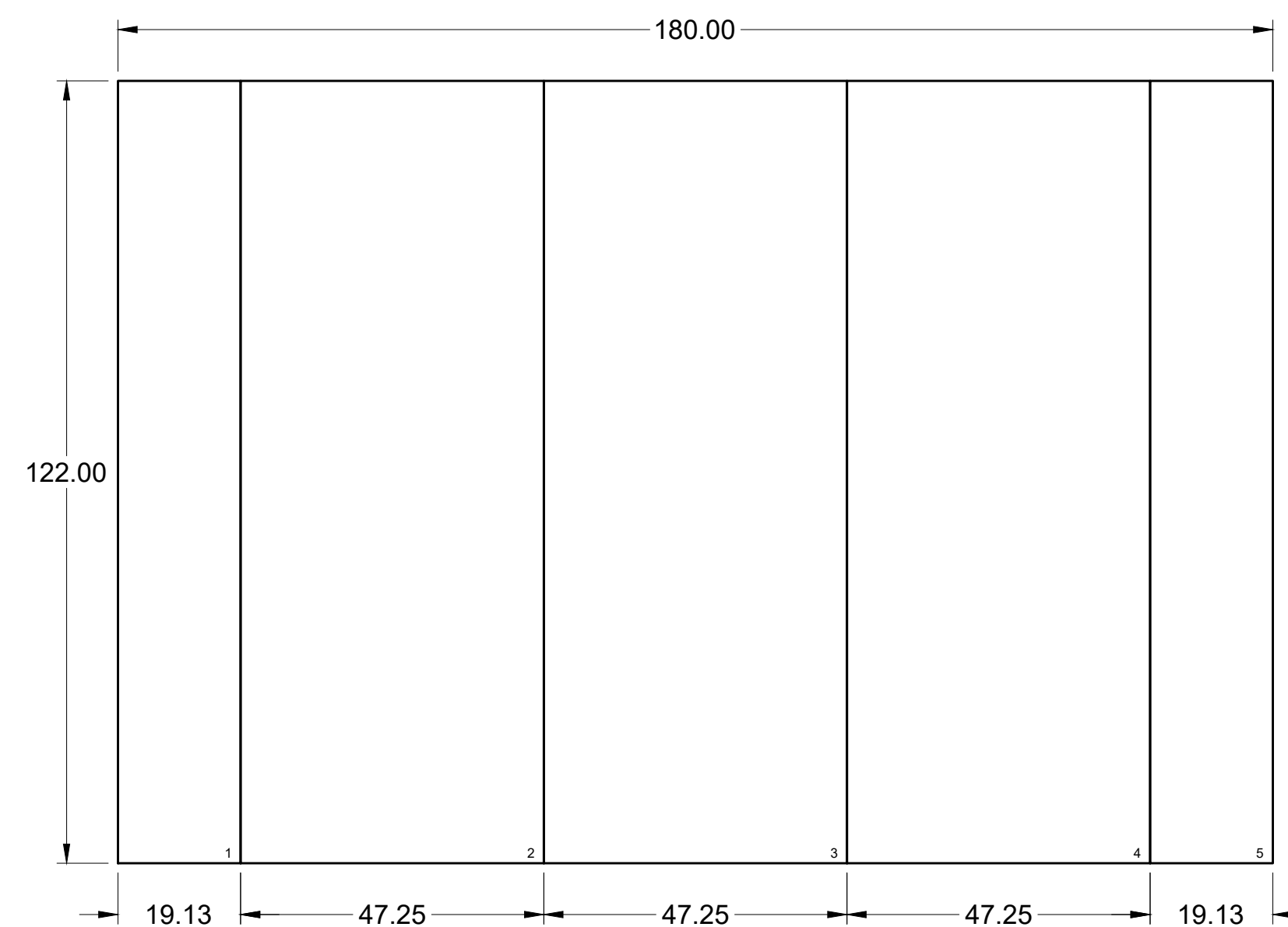
MARK: H-1 - SECTION 1
PLAN VIEW



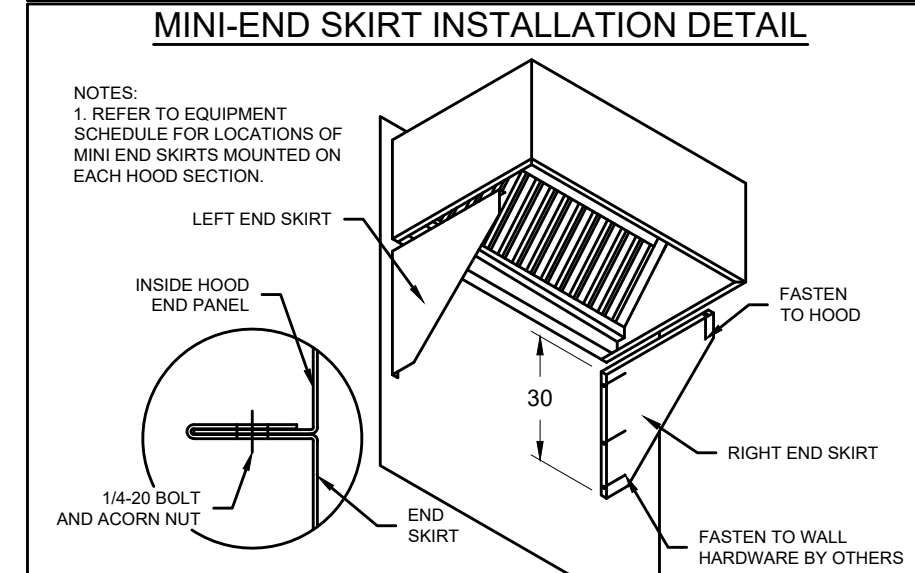
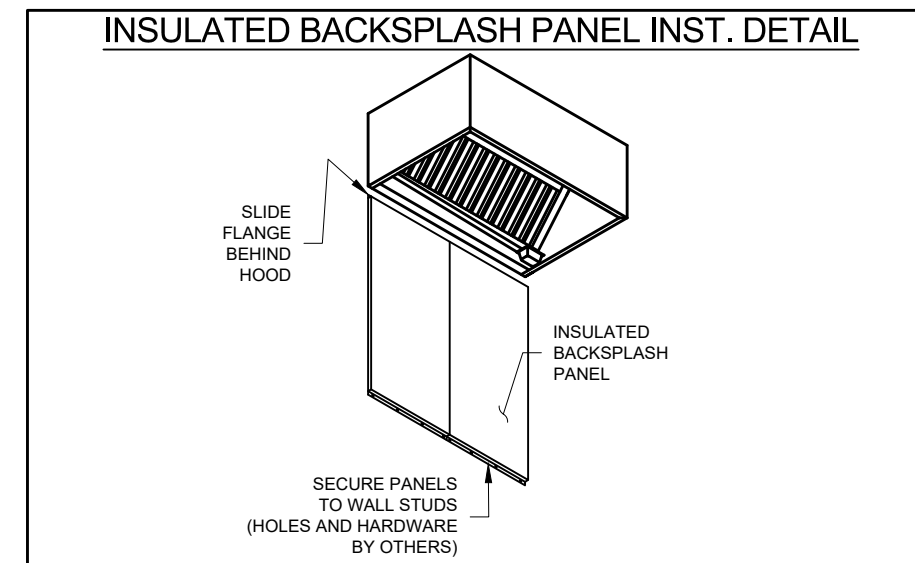
MARK: H-1 - SECTION 1
ELEVATION VIEW



MARK: H-1
SECTION VIEW



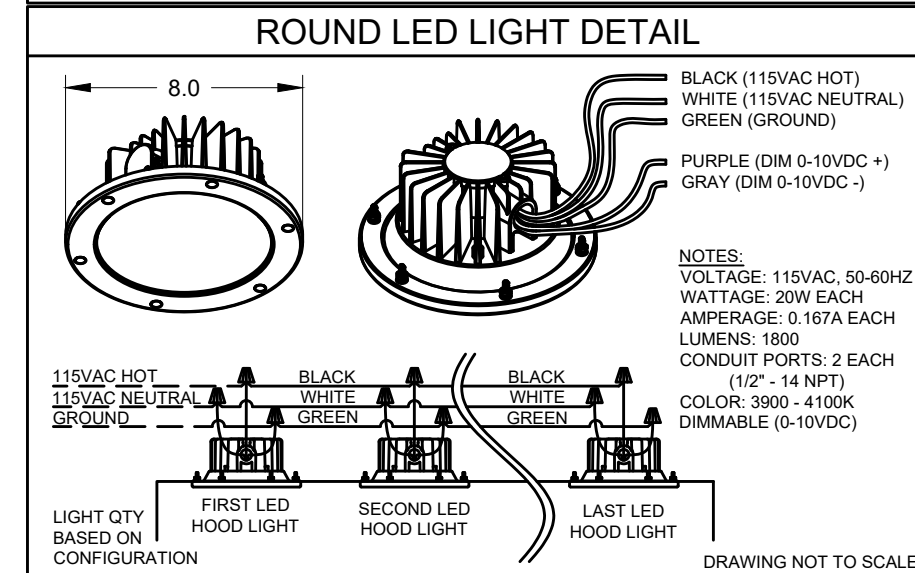
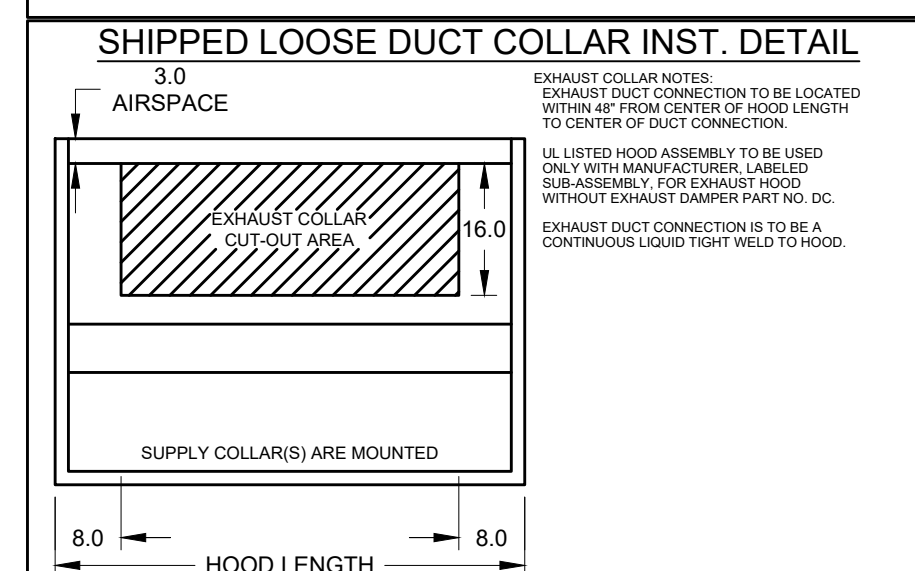
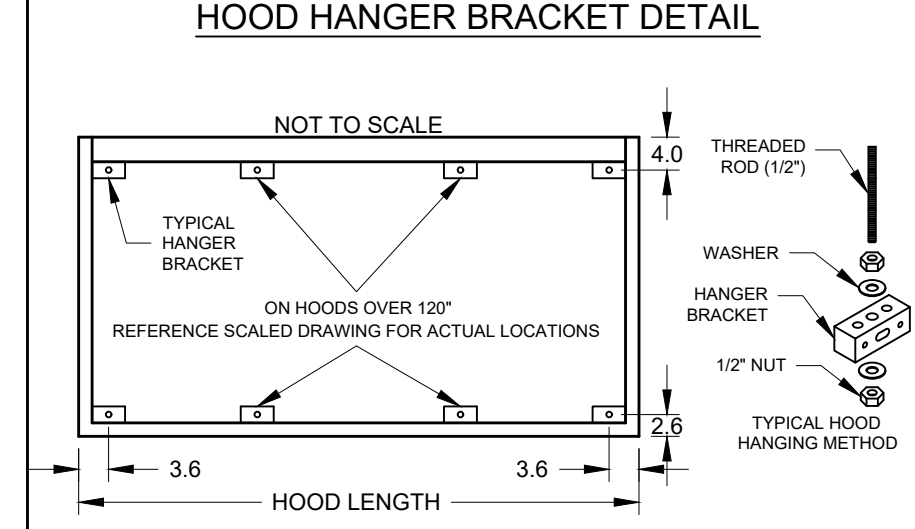
BACK SPLASH

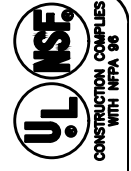
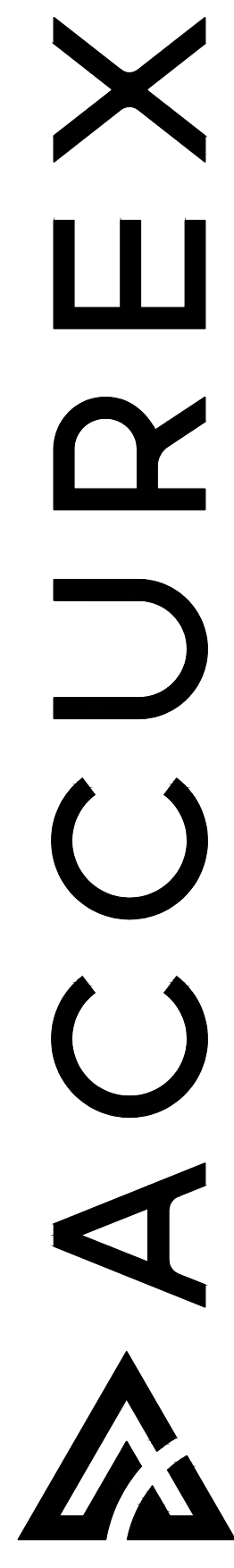


HOOD HANGING HEIGHT FOR FIRE SYSTEMS
 VERIFICATION OF HOOD HANGING HEIGHT ABOVE FINISHED FLOOR (A.F.F.) IS REQUIRED FOR CORRECT PLACEMENT OF FIRE SYSTEM NOZZLES.

RECOMMENDED HANGING HEIGHT = 80" FROM FINISHED FLOOR TO LOWER FRONT EDGE OF HOOD.

OTHER HANGING HEIGHT = _____" FROM FINISHED FLOOR TO LOWER EDGE OF HOOD.



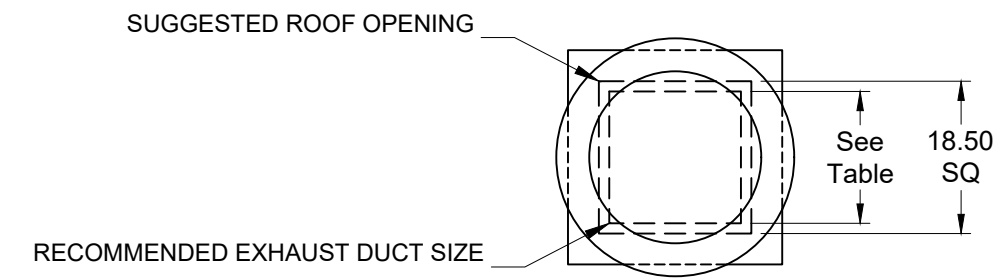

 PROJECT: CASEYS-CIRCLE OKLAHOMA CITY 4081
 9/23/2021
 MARK: H-1
 ACCUREX W I A ANDY JACOBS
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 (262)227-7865


Direct Drive Upblast Centrifugal Roof Exhaust Fan

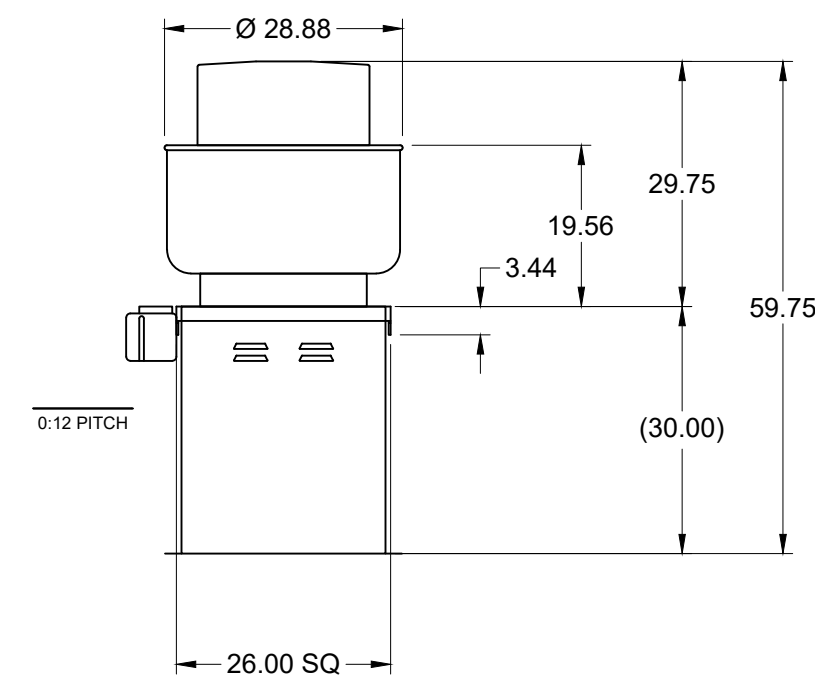
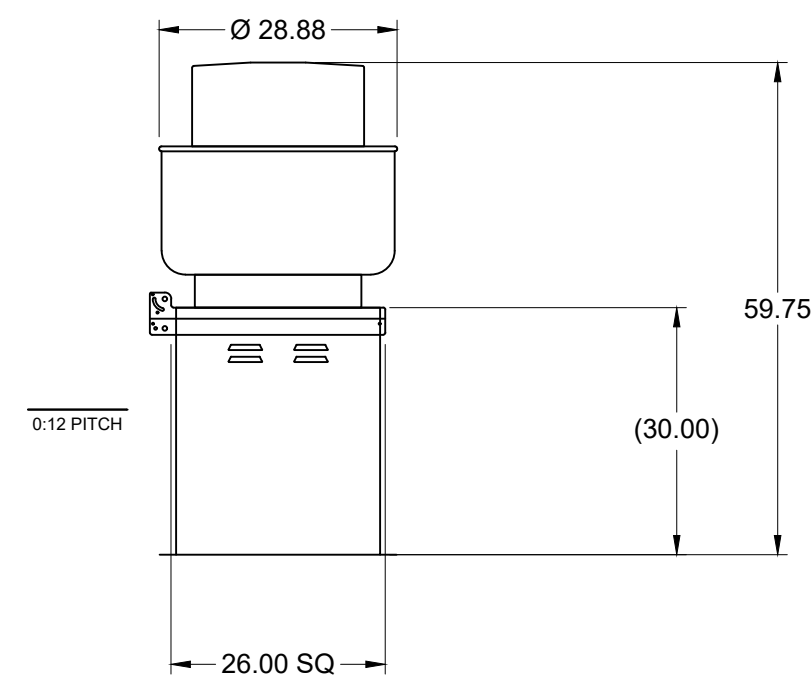
MARK INFORMATION		FAN INFORMATION						MOTOR INFORMATION					
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
1	EF-1	XRUD-140-VG	1,800	0.5	1,233	0.34	92	1	208/60/1	OP	1725	1	8.8

*NEC FLA - Based on table 430.250 or 430.248 of National Electrical Code 2020. Actual motor FLA may vary for sizing thermal overload, consult factory"

EF-1 : SELECTED OPTIONS AND ACCESSORIES
One piece fully welded windband
Tapered bushing wheel hub
Breather tube outlet area min. 4.4 sq. in. (sizes 99-480), 2.0 sq. in. (sizes 60-95)
Min. windband material thickness: 0.051" aluminum (060-240), 0.064" aluminum (240HP, 240XP), 0.080" aluminum (sizes 300-480)
Larger Curb Cap Size - 26 Square
UL/cUL 762 Listed - "Power Ventilators for Rest. Exh. Appliances"
Switch, NEMA-3R, Toggle, Shipped with Unit
Hinge, (PN 918398), (Shipped Loose)
High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached)
Grease Trap (PN 475538)
Clean-out Port - Factory Installed

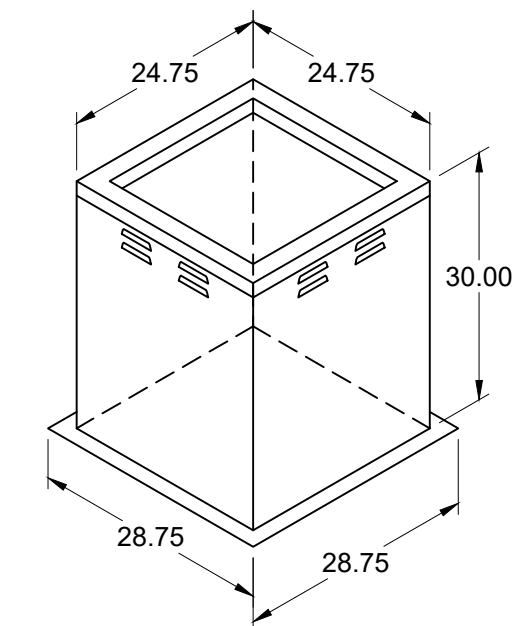


DUCT TYPE	SIZE
STANDARD	16 SQ
FIRE-WRAPPED	8 SQ



DUCT DIMENSIONS ARE LARGEST POSSIBLE DUCT TO FIT THROUGH CURB.
CONSULT SYSTEM DESIGN ENGINEER FOR RECOMMENDED DUCT SIZE.

OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR, ADAPTER, AND/OR HINGE BASE.



PROJECT
9/23/2021

MARK
EF-1

CASEYS-CIRCLEK OKLAHOMA
CITY 4081

UL NSF
CERTIFIED LISTED
BY MARK

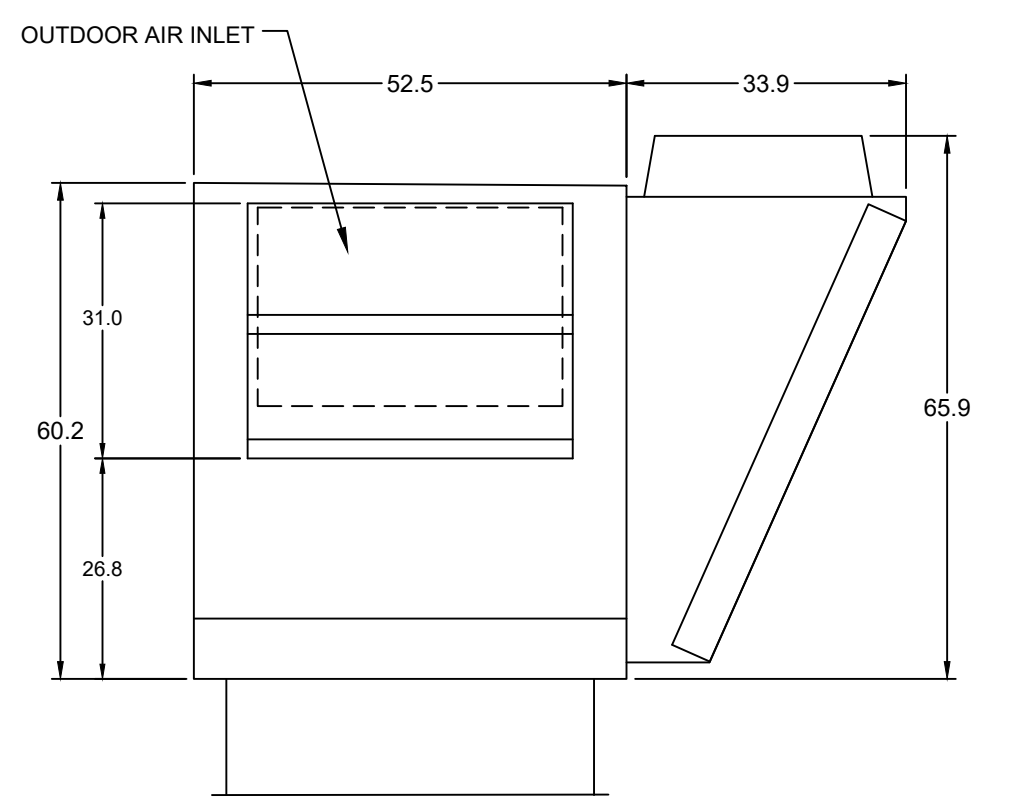
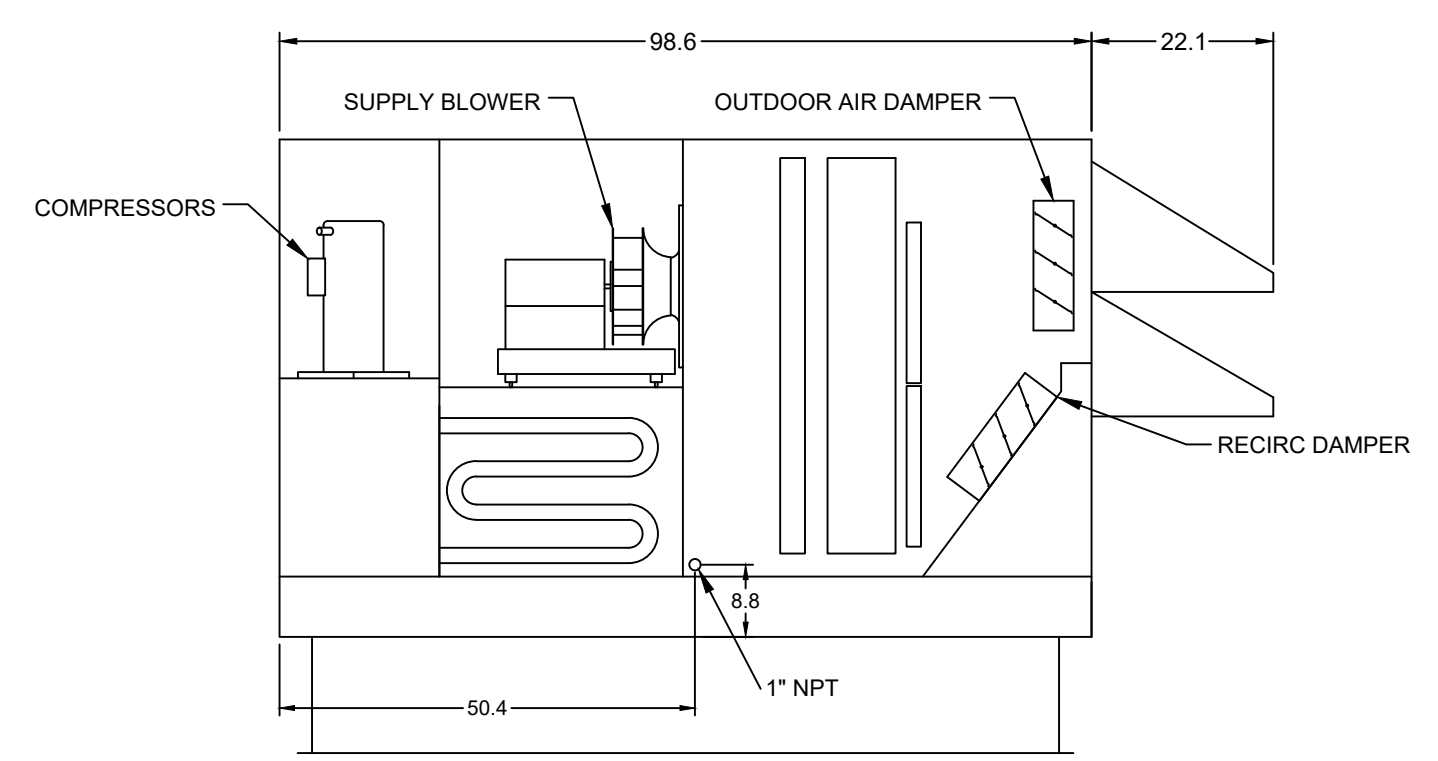
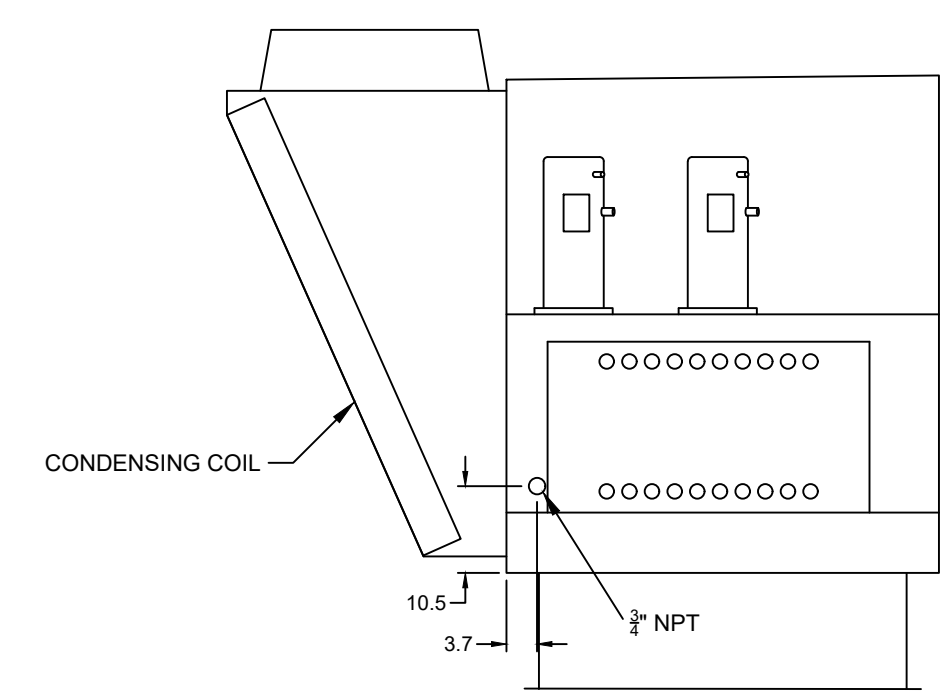
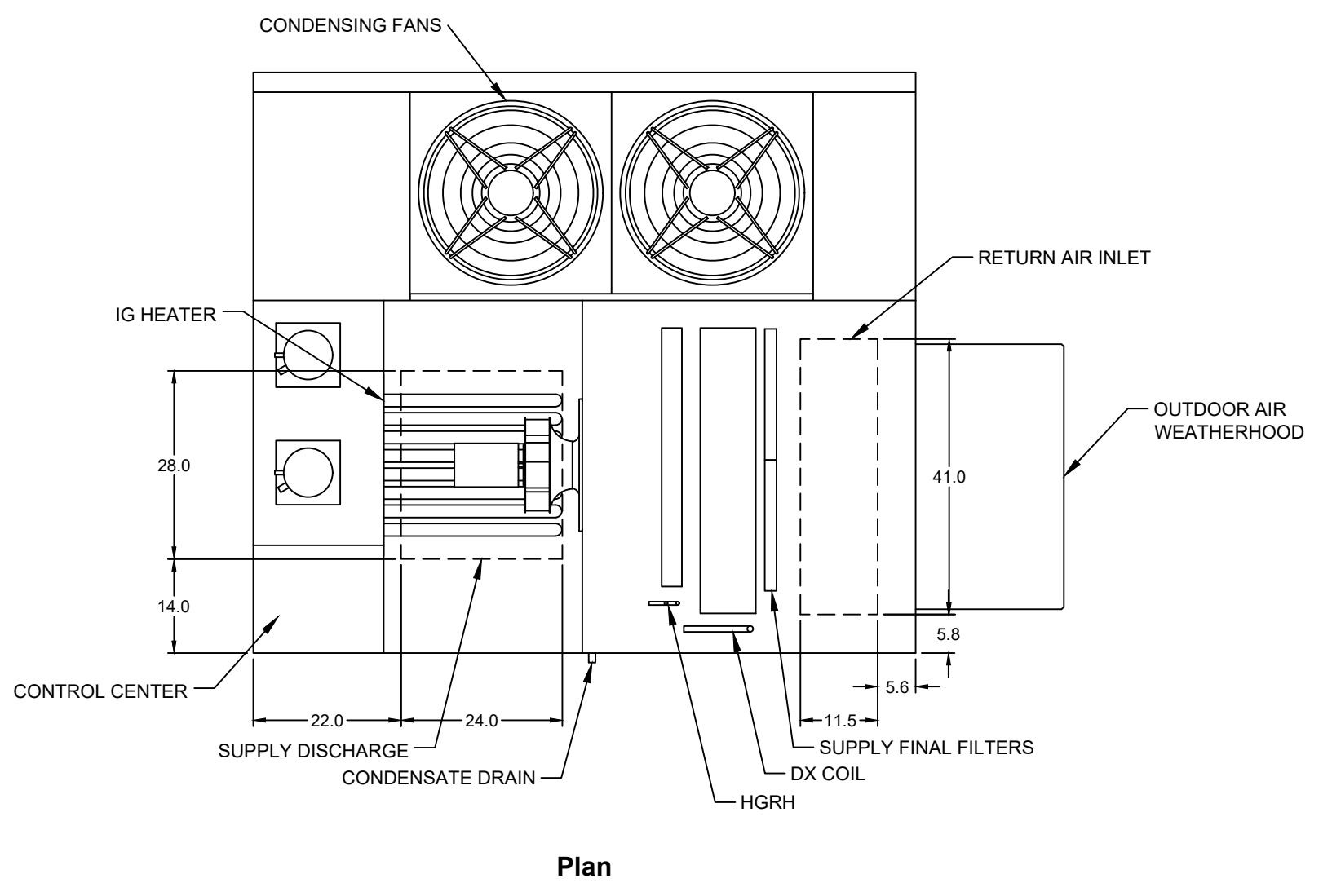
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(262)227-7865

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EQUIPMENT SCHEDULE

Packaged Ventilator														
Mark Name	Qty	Model	Mounting Location	Weight	Outdoor Air Volume	Recirc Air Volume	Economizer Outdoor Air Volume	Economizer Exhaust Air Volume						
KRTU-1	1	XRV-25-12.5I-G	Outdoor	2,539 lb	1,750 CFM	250 CFM	NA	NA						
Supply Fan				Electrical										
Supply Air Volume	Supply ESP	Supply TSP	FRPM	Supply BHP	Supply Motor	Voltage	Frequency	Phase	Unit MCA	Unit MOP				
2,000 CFM	0.5 in. wg	1.377 in. wg	1271	0.697	(1) 1-1/2 hp	208	60	3	51.1	60				
Cooling Section														
Coil Entering DB	Coil Entering WB	Coil Leaving DB	Coil Leaving WB	Nominal Tonnage	Total Capacity	Sensible Capacity	Coil Face Velocity	Coil Pressure Drop	Rows Deep	Fins per Inch	Compressor Type	Compressor Qty	AHRI 340/360 EER	AHRI 340/360 IEER
96.4 F	76.0 F	54.5 F	54.3 F	12.5	155.3 MBH	92.5 MBH	161 ft/min	0.142 in. wg	6	12	Inverter Scroll	2	11	14
Heating Section					Hot Gas Reheat									
Gas Type	Input	Output	EAT	LAT	Furnace Control	Temp Rise	Hot Gas Reheat Capacity	LAT						
Natural	200.0 MBH	160.0 MBH	19.0 F	93.0 F	16:1 Modulating	74.1 F	66.7 MBH	85.3 F						

NOTES	OPTIONS AND ACCESSORIES
Painted exterior with 2,500 hr. salt spray rating. Double wall 2" R13 injected foam insulated cabinet. Single condenser fan shall not exceed a sound power level of 75 LwA. Compressors mounted on a shelf behind an insulated door for minimized radiated and transmitted sound. Direct-drive fans with factory mounted VFDs. Blowers shall be AMCA Certified for airflow. Controller must have simplified access via a laptop to view and change unit operation, set points, alarm history & 1 week of trending data. Inverter scroll lead compressor with a 5 year warranty. Modulating gas furnace with 16:1 Modulating turndown and a 25 year HX warranty.	Weatherhood: Downturned Hood Supply Filters - 2" Pleated MERV 8 and MERV 13, 8-20x20x2 Outdoor Air Dampers - Motorized Low Leakage Recirc Dampers - Motorized Low Leakage Painted Exterior - Concrete Gray (RAL 7023) Microprocessor Controls Supply Fan VFD Control - 0-10VDC By Others O/A/R/A Damper Controls - Constant Position-Adj. Setpoint Space Thermostat - 1 Temp and RH Only Phase and Brown Out Protection 120V NEMA 3R Outlet (does loose power by others) Unit Disconnect - Mounted By Factory Unit Warranty: 2 Yrs (1 Yr Ext) Extended Compressor Warranty: 5 Yrs



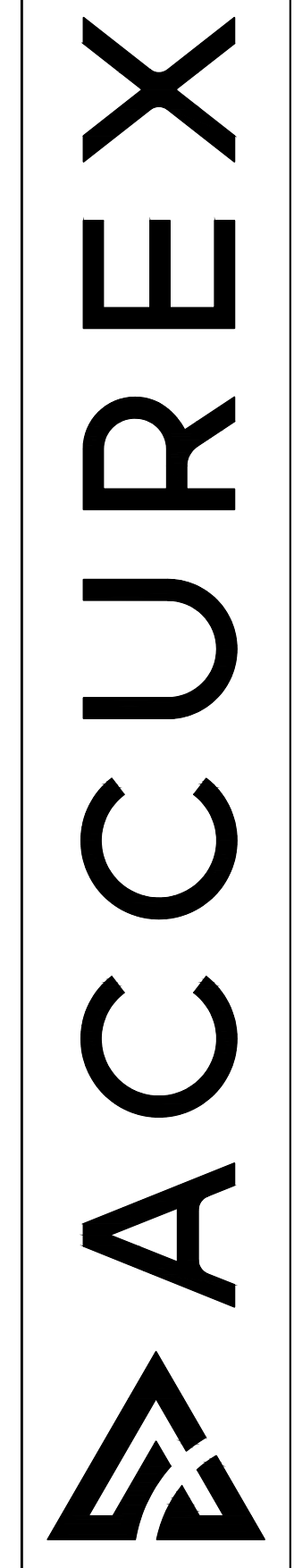
PROJECT
9/23/2021

CASEYS-CIRCLEK OKLAHOMA
CITY 4081

MARK

KRTU-1

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PHILLIP KRAFT@ACCUREX.COM
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CONTROL INFORMATION

MARK	ELECTRICAL CONTROL PACKAGE		USER INTERFACE		FANS CONTROLLED											
	MODEL	LOCATION	TYPE	LOCATION	FAN #	TYPE	FAN	FAN MARK	ZONE	CFM	MOTOR HP	MOTOR VOLT	CYCLE	MOTOR PHASE	MOTOR STARTER IN PANEL	VFD IN PANEL
DCV CONTROLS	XKC-DCV-SM-11-1-1-0	LEFT CABINET ON H-1	FULL COLOR TOUCHSCREEN	CABINET - LEFT CABINET ON H-1	1	EXHAUST	E1	EF-1	1	1800	1	208	60	1	NO	NO
					2	SUPPLY	S1	SUPPLY	1	2000	1.5	208	60	3	NO	NO

CONTROL FEATURES
 HOOD LIGHT CONTROL
 TEMP SENSORS (FACTORY INSTALLED) - QTY. 1
 DRY FIRE CONTACTS - QTY. 2
 LIGHTS OFF DURING FIRE
 EXHAUST MAX DURING FIRE
 SUPPLY OFF DURING FIRE
 BMS INTEGRATION - MODBUS

SPECIAL DESIGN REQUESTS
 SDR #K2100271 - APPLIANCE CONTACTORS; TERA BOX ONLY WITH 2 YEAR SUBSCRIPTION



DOC NUMBER: ##### REV: #####

CAUTION
 UNIT MUST BE GROUNDED IN ACCORDANCE WITH N.E.C. POWER MUST BE OFF WHILE SERVICING.

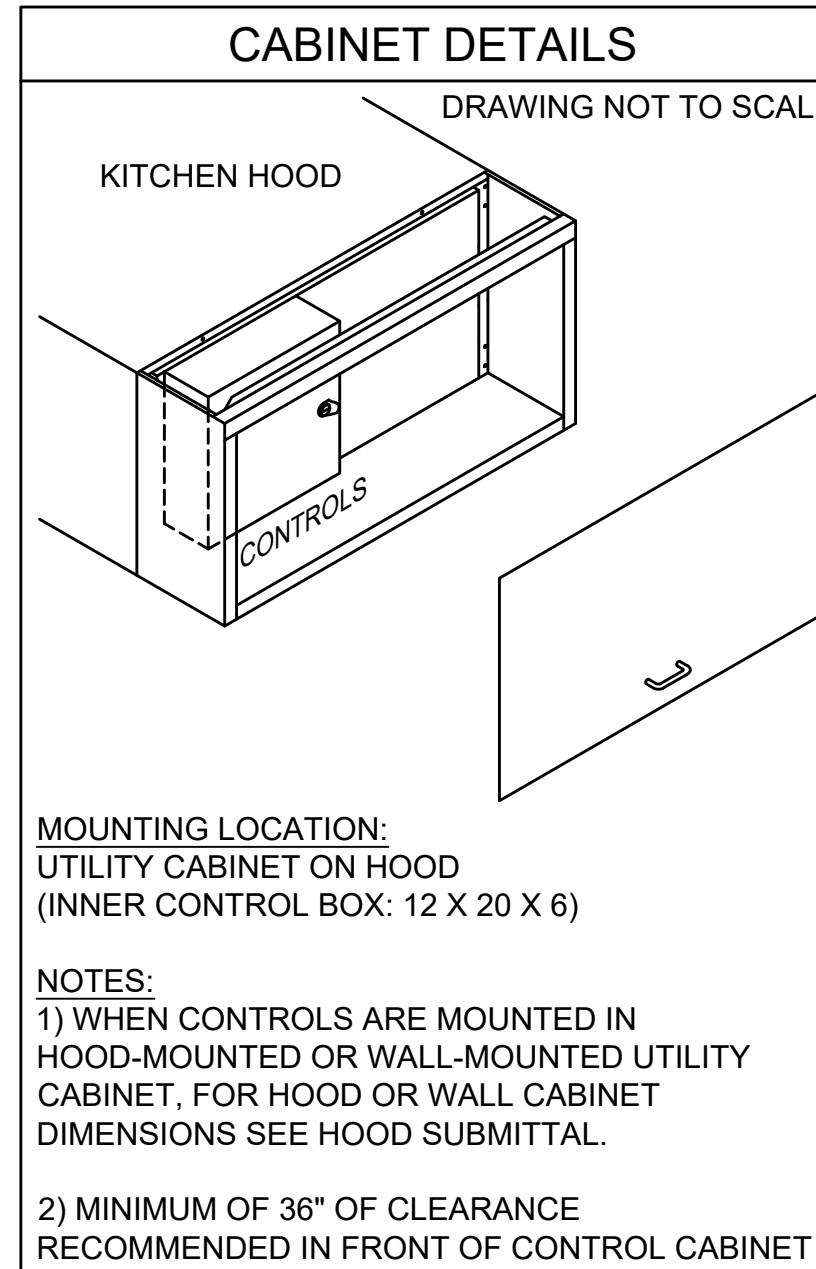
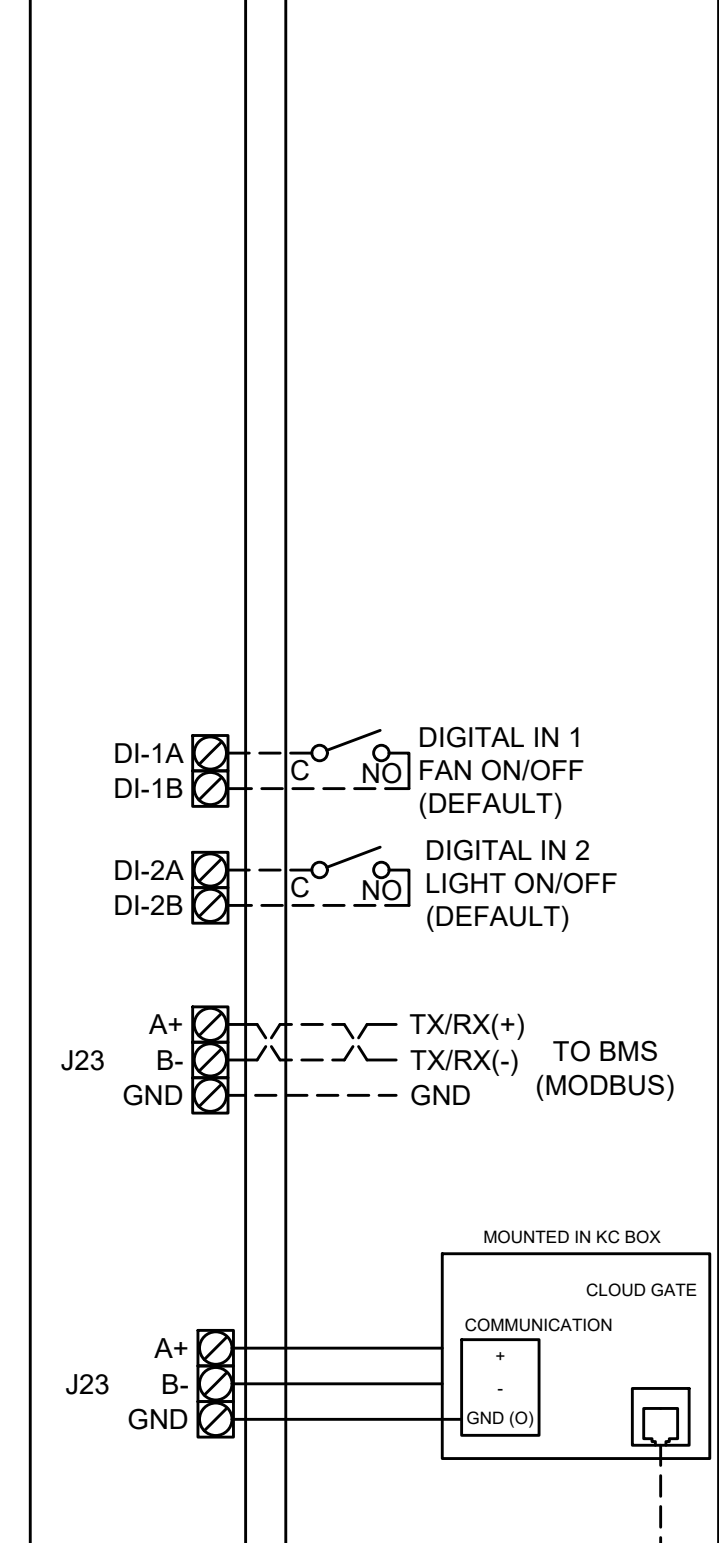
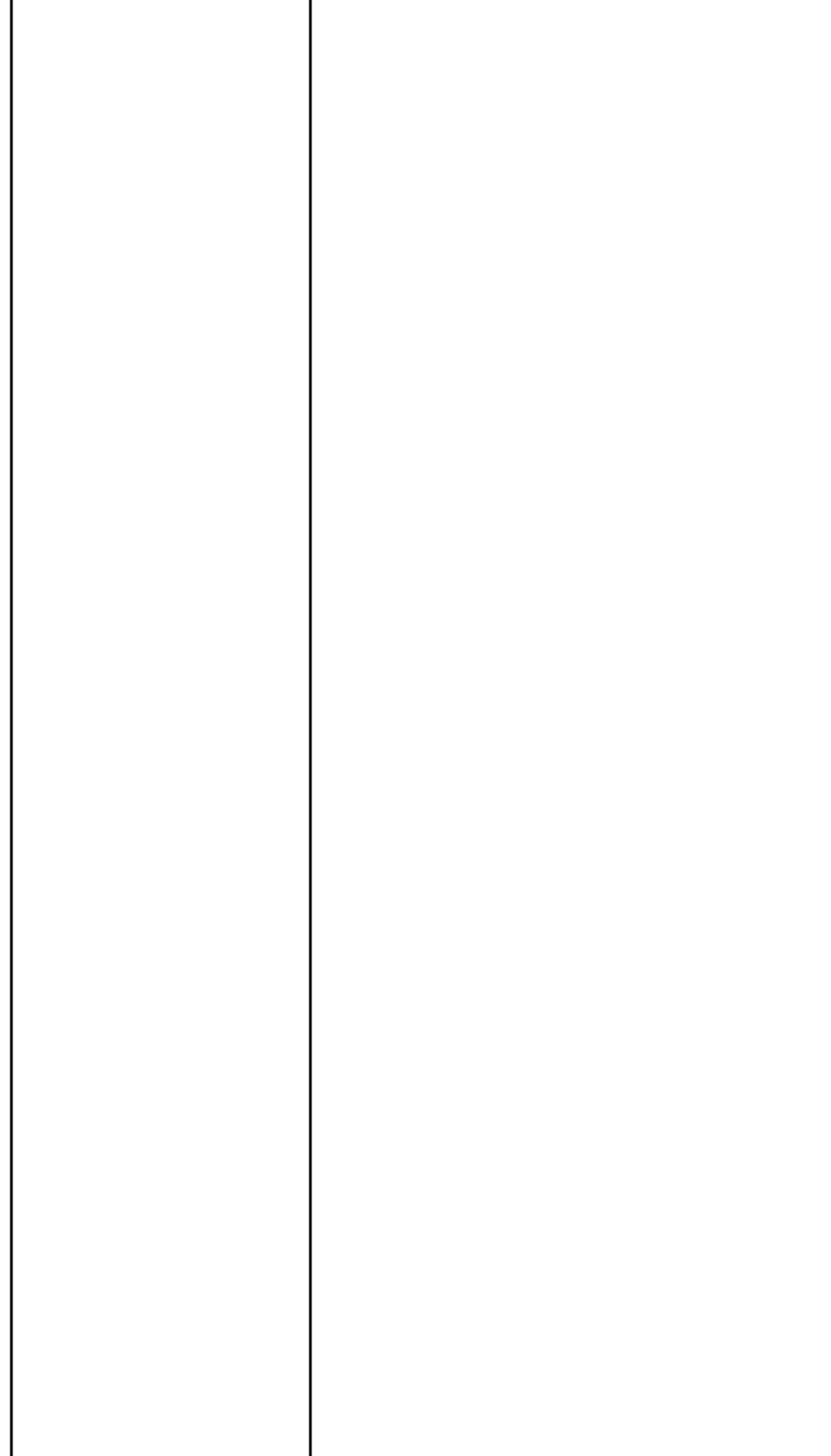
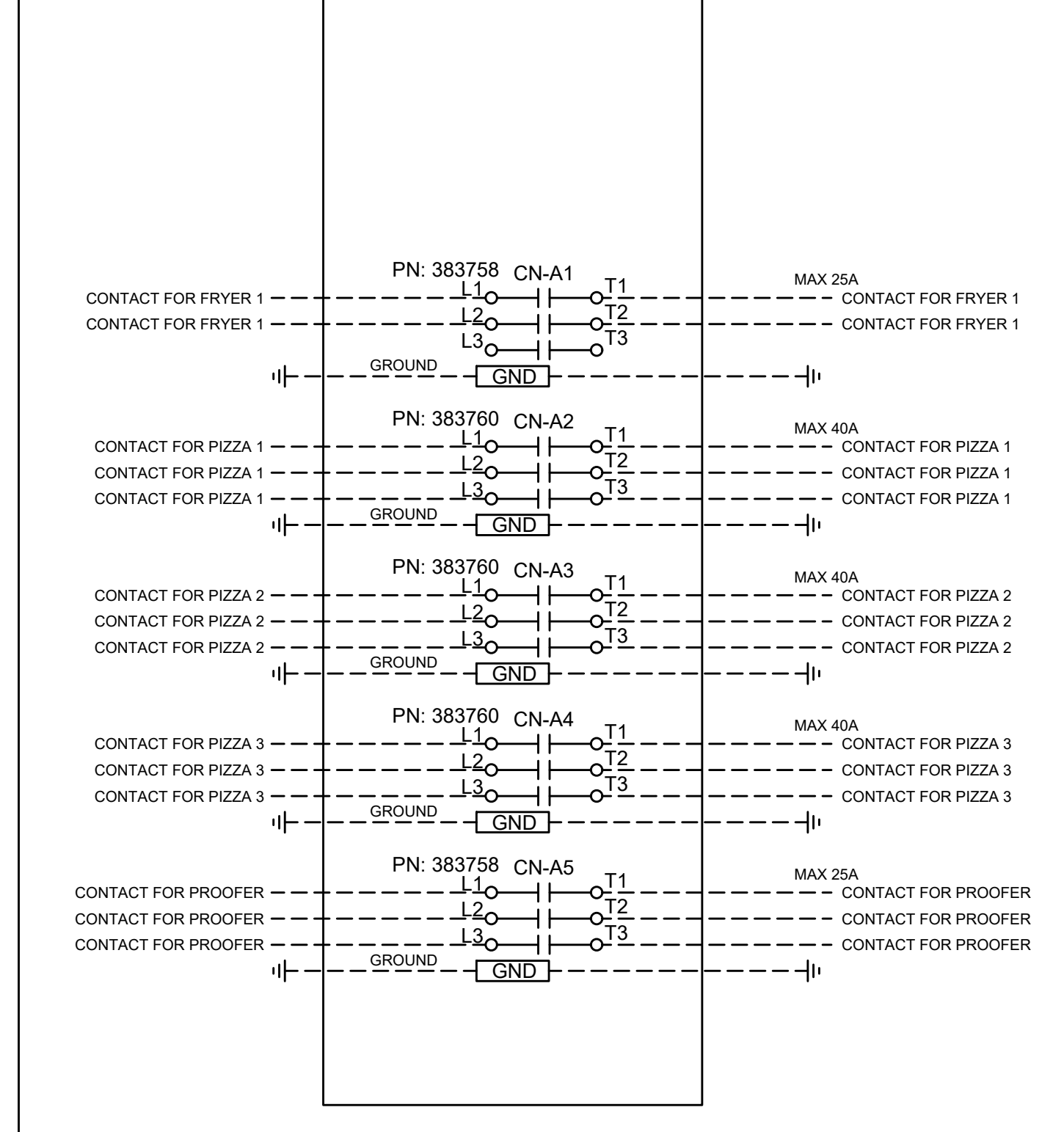
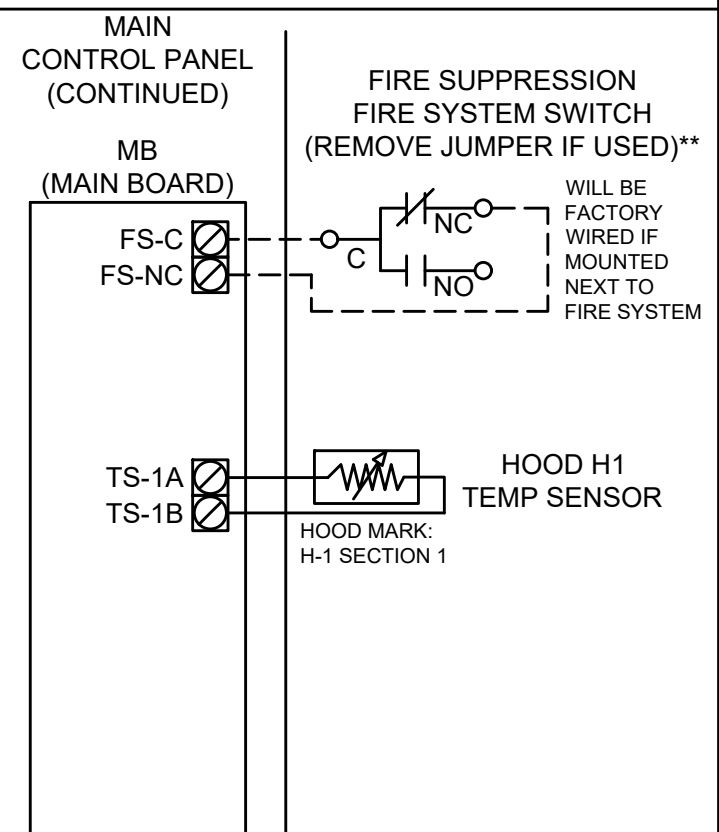
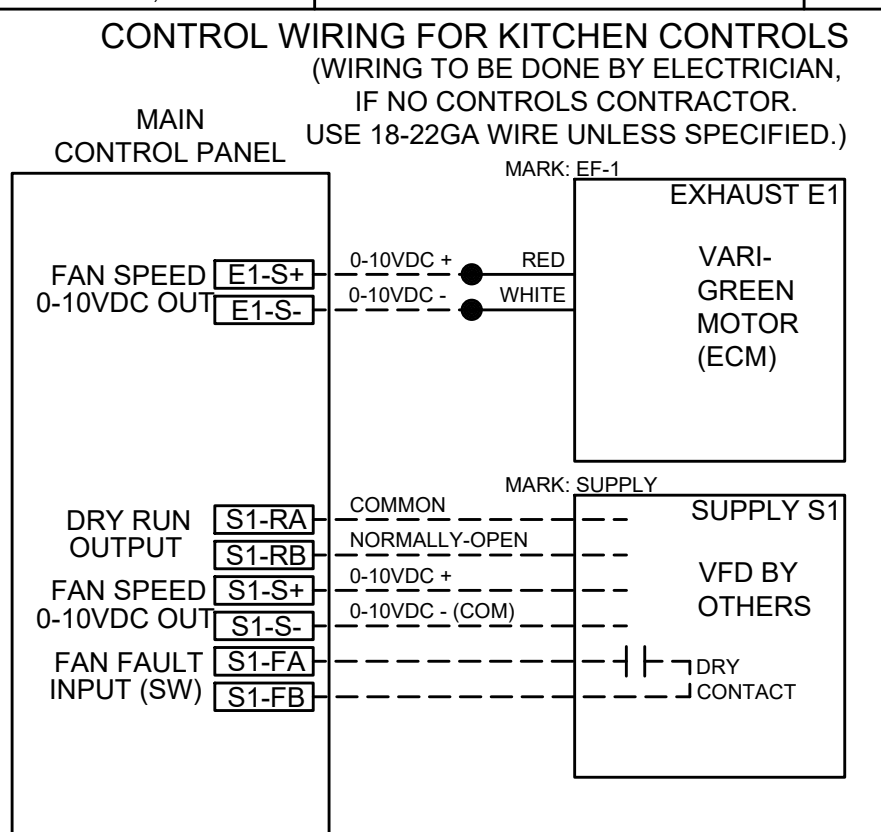
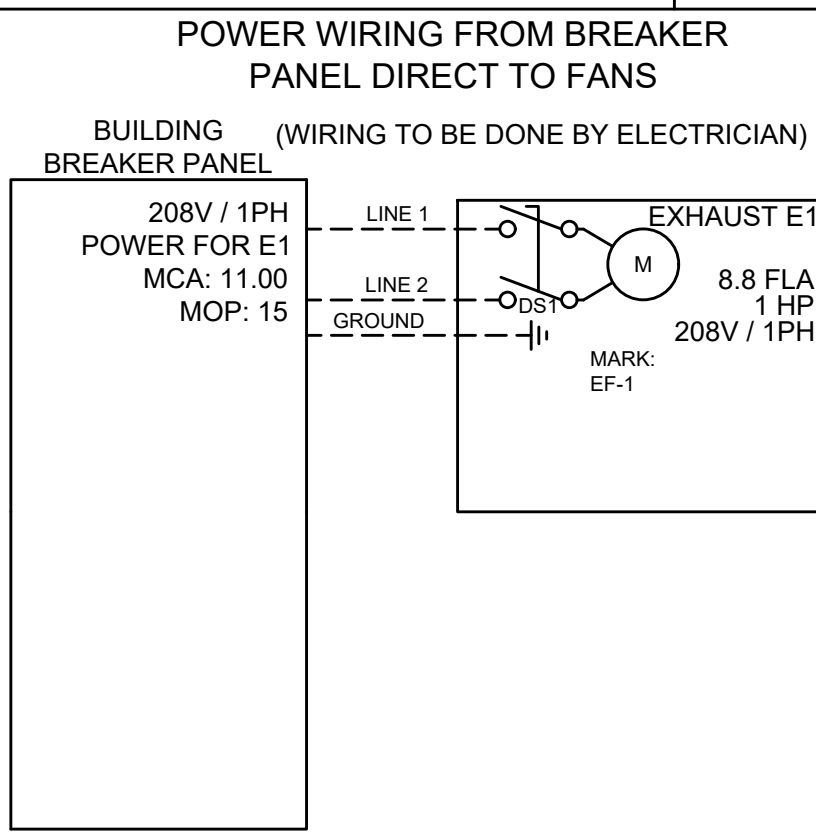
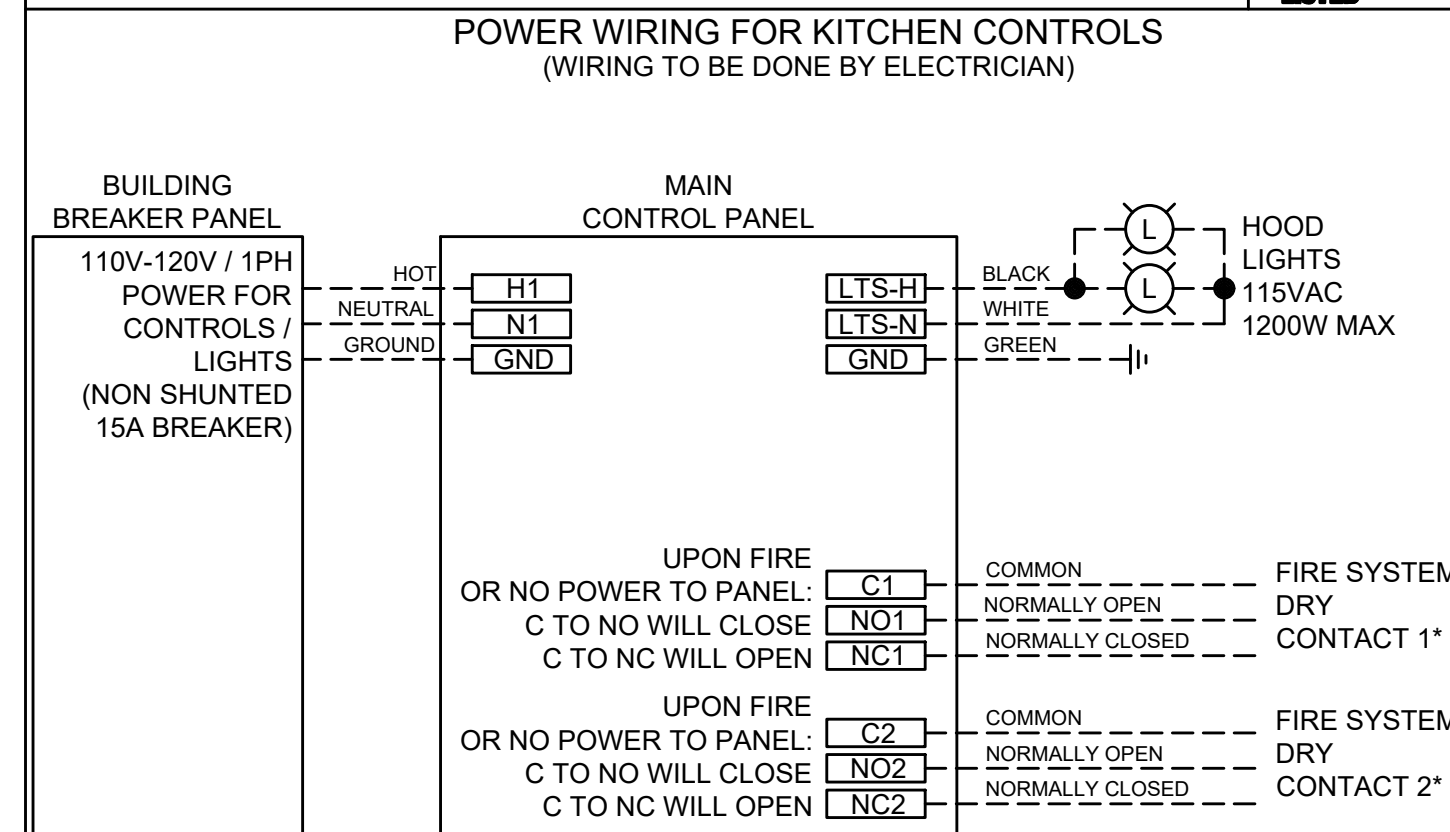
ATTENTION
 L'APPAREIL DOIT ÊTRE MIS À LA TERRE CONFORMÉMENT AU CODE C.E. L'ALIMENTATION DOIT ÊTRE COUPÉE DURANT L'ENTRETIEN.

COMMERCIAL APPLIANCE OUTLET CENTER
 ELECTRICAL RATINGS: 110-240V, 1PHASE, 50-60HZ, 15A
 BASE FILE #E200616, ML FILE #E313951

PRG VERSION: V3
 FIELD WIRED (CÂBLE LOCALLEMENT) -----
 FACTORY WIRED (CÂBLE À L'USINE) -----

NE PAS RETIRER CES DESSINS DE CET ÉQUIPEMENT. SAUF INDICATION CONTRAIRE, UTILISER DES CONDUCTEURS EN CUIVRE CLASSÉS 90 °C. SERRER LES BORNES DE COMMANDE ET DE MISE À LA TERRE À 8 LB-PO. SERRER LES COSSÉS/VIS D'ALIMENTATION AUX COUPLES INDICQUÉS POUR LE COMPOSANT. SERRER LES BORNES À VIS DE LA CARTE DE COMMANDE À 3,5 LB-PO. LA RÉSISTANCE DU CÂBLAGE DE COMMANDE LOCAL NE DOIT PAS DÉPASSER 0,75 OHM. POUR PLUS D'INFORMATION, CONSULTER LE MANUEL OU APPELER 1-800-371-6858

WIRING DIAGRAM CODE: #####
 JOB NAME: CASEYS-CIRCLEK OKLAHOMA CITY 4081
 MODEL: XKC-DCV-SM-11-1-1-0
 SERIAL NUMBER: WDSN#
 MARK: DCV CONTROLS



USER INTERFACE DETAILS

MOUNTING TYPE
 FACTORY MOUNTED:
 UTILITY CABINET - LEFT END OF HOOD

USER INTERFACE CONTROL
 FANS AND LIGHTS

INTERFACE CABLE LENGTH
 7FT (FACTORY PROVIDED)

MOUNTING LOCATION:
 UTILITY CABINET ON HOOD
 (INNER CONTROL BOX: 12 X 20 X 6)

NOTES:
 1) WHEN CONTROLS ARE MOUNTED IN HOOD-MOUNTED OR WALL-MOUNTED UTILITY CABINET, FOR HOOD OR WALL CABINET DIMENSIONS SEE HOOD SUBMITTAL.
 2) MINIMUM OF 36" OF CLEARANCE RECOMMENDED IN FRONT OF CONTROL CABINET

ZONE CONFIGURATION						HOOD CONFIGURATION						FAN CONFIGURATION														
ZONE #	ZONE	ROOM TEMP	ZONE	EXHAUST	SUPPLY	HOOD #	HOOD	HOOD MARK	ZONE	EXHAUST	SUPPLY	MB-TEMP SENSORS	HC	FAN #	TYPE	FAN	FAN MARK	ZONE	MIN CFM	MAX CFM	MODBUS VFD	VFD ADDRESS	MIN FREQ.	MAX FREQ.	MIN VDC	MAX VDC
1	Z1	PRESET		E1	S1	1	H1	H-1 SECTION 1	Z1	E1	S1	TS1	NO	1	EXHAUST	E1	EF-1	Z1	900	1800	NO	-	-	-	5.0	10.0
														2	SUPPLY	S1	SUPPLY	Z1	1000	2000	NO	-	-	-	5.0	10.0

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