



SHOP DRAWING REVIEW

PROJECT NO.: 25.7849.00

PROJECT NAME: Q39 TI

RE: ACCUREX Hood and Fan Submittal

- | | |
|--|---|
| ☒ NO EXCEPTION TAKEN | ☐ MAKE CORRECTIONS NOTED |
| ☐ REJECTED | ☐ REVISE AND RESUBMIT |
| ☐ SUBMIT SPECIFIED ITEM | |

Checking is only for general conformance with the design concept of the project and general compliance with the information given in the contract documents. Any action shown is subject to the requirements of the plans and specifications. Contractor is responsible for: Dimensions which shall be confirmed and correlated at the job site; fabrication processes and techniques of construction; coordination of his work with that of all other trades and the satisfactory performance of his work.

Note: Corrections or comments made on the attached shop drawings may have been made in color and subsequent copying or transferring of information in electronic media may have resulted in information appearing black and white, therefore the Contractors shall be responsible for verification of all corrections or comments within.

Lankford | Fendler + associates

Date 12/16/2025

By AlexM

HOOD INFORMATION																	
HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	TOTAL CFM	EXHAUST					SUPPLY		HANGING WEIGHT LBS.	SECTION LOCATION
			LENGTH	WIDTH	HEIGHT				COLLAR(S)					MUA CFM	AC CFM		
1	KEH-FR	XXEW-68-S	68	54	24	430 SS WHERE EXPOSED	HEAVY	1275	10	12		1275	0.541	896		266	LEFT
2	KEH-FR	XXEW-122-S	122	54	24	430 SS WHERE EXPOSED	HEAVY	2033	10	18		2033	0.52	1580		503	RIGHT

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.)		LOCATION	FIRE SYSTEM		CONTROLS		
									L	H		TYPE	SIZE	MODEL	INTERFACE	
1	KEH-FR	ROUND LED		2	70.56	X-TRACTOR (SPARK ARRESTOR INCL.) STAINLESS STEEL		3	16	20						
								1	20							
2	KEH-FR	ROUND LED		2	60.77	X-TRACTOR (SPARK ARRESTOR INCL.) STAINLESS STEEL		0	16	20	RIGHT			XKC	MB TOUCHSCREEN	
								6	20							

SUPPLY PLENUM INFORMATION																				
HOOD NO.	MARK	POS.	TYPE	SIZE (IN.)			INSULATED	DAMPER(S)	LED LIGHT(S)		TOTAL CFM	TOTAL S.P.	COLLARS							
				L	W	H			SUPPLIED	QTY			TYPE	MOUNTING	QTY	W	L	DIA.	CFM	VEL.
1	KEH-FR	FRONT	ASP	68	18	4	NO	YES	NO		896	0.01	MUA	LOOSE	2	16	22		448	183
2	KEH-FR	FRONT	ASP	134	18	4	NO	YES	NO		1580	0	MUA	LOOSE	3	16	30		527	158

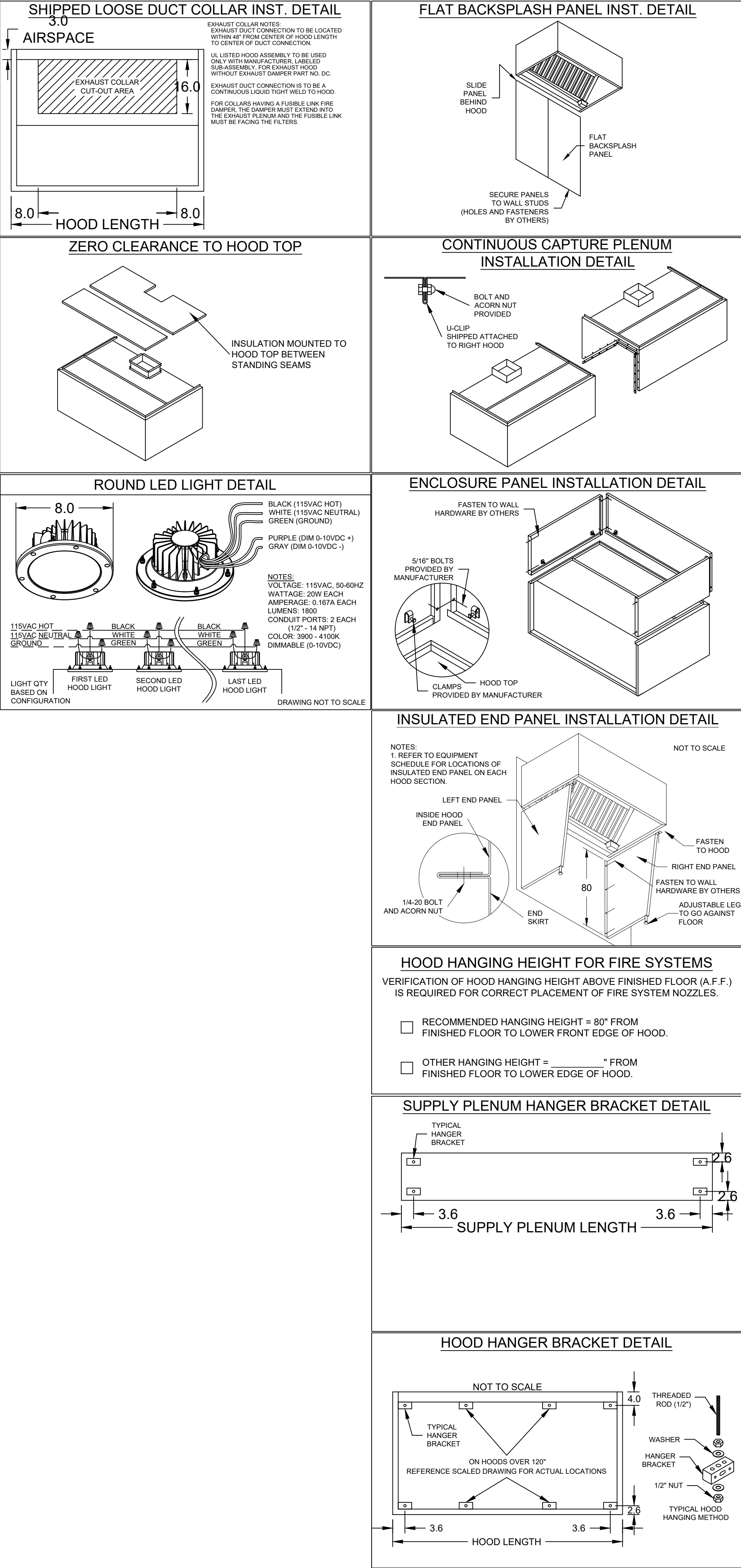
UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625
HOOD TOP INSULATED FOR ZERO CLEARANCE TO COMBUSTIBLES
BACK INTEGRAL AIR SPACE - 3 IN WIDE
18 IN HIGH CEILING ENCLOSURES - FRONT RIGHT - FIELD INSTALLED
CONTINUOUS CAPTURE
SHIPPED LOOSE EXHAUST COLLAR(S)
BACKSPLASH 80.00 IN HIGH 266.00 IN LONG
LEFT SIDESPLASH 122.00 IN HIGH 6.00 IN LONG
RIGHT SIDESPLASH 122.00 IN HIGH 30.00 IN LONG
PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY
STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH

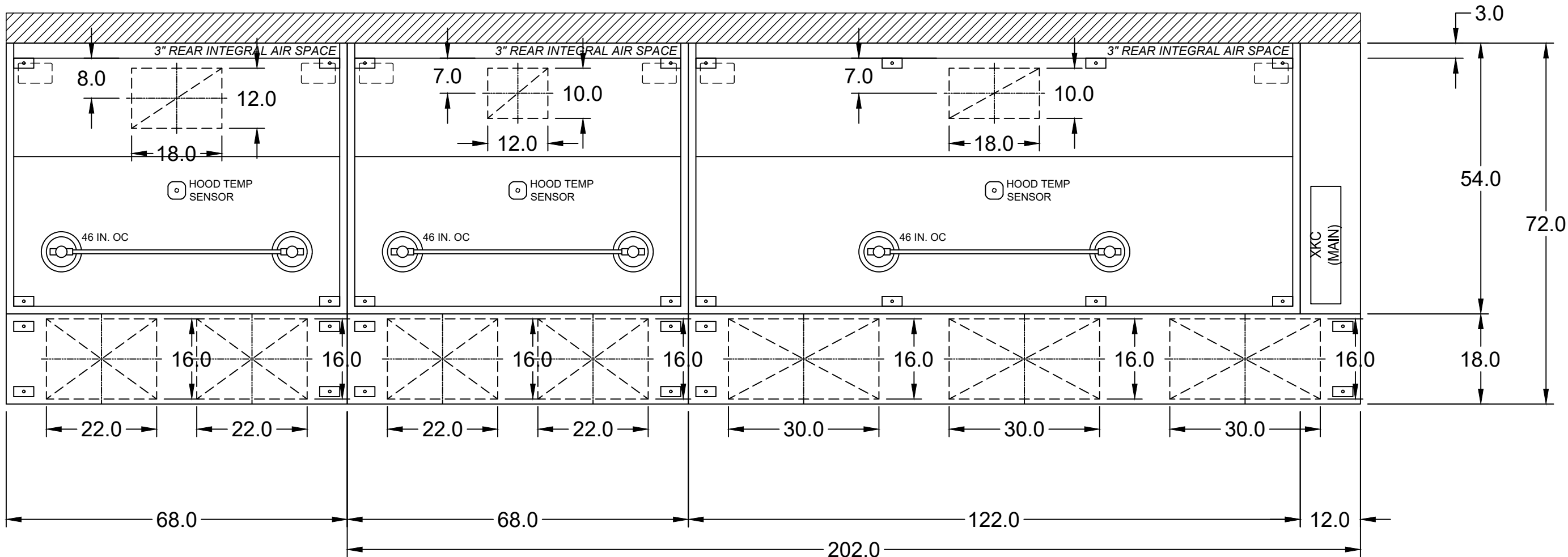
HOOD INFORMATION																	
HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	EXHAUST						SUPPLY		HANGING WEIGHT LBS.	SECTION LOCATION
			LENGTH	WIDTH	HEIGHT			TOTAL CFM	COLLAR(S)					MUA CFM	AC CFM		
									WIDTH	LENGTH	DIA.	CFM	S.P.				
1	KEH-FL	XXEW-68-S	68	54	24	430 SS WHERE EXPOSED	EXTRA HEAVY	2267	12	18		2267	1.097	1631		259	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.)		LOCATION	FIRE SYSTEM		CONTROLS	
							L	H		TYPE	SIZE	MODEL	INTERFACE
1	KEH-FL	ROUND LED	2	70.56	X-TRACTOR (SPARK ARRESTOR INCL.) STAINLESS STEEL	3	16	20					
						1	20						

SUPPLY PLENUM INFORMATION																				
HOOD NO.	MARK	POS.	TYPE	SIZE (IN.)			INSULATED	DAMPER(S)	LED LIGHT(S)		TOTAL CFM	TOTAL S.P.	COLLARS							
				L	W	H			SUPPLIED	QTY			TYPE	MOUNTING	QTY	W	L	DIA.	CFM	VEL.
1	KEH-FL	FRONT	ASP	68	18	4	NO	YES	NO		1631	0.04	MUA	LOOSE	2	16	22		816	334

HOOD OPTIONS															
UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625								SPECIAL DESIGN REQUESTS							
HOOD TOP INSULATED FOR ZERO CLEARANCE TO COMBUSTIBLES								SDR #K2500507 - PROVIDE (1) CUSTOM 42" TOP WIDE INSULATED END PANEL. MAINTAIN FRONT FACE ANGLE							
BACK INTEGRAL AIR SPACE - 3 IN WIDE															
18 IN HIGH CEILING ENCLOSURES - FRONT LEFT - FIELD INSTALLED															
SHIPPED LOOSE EXHAUST COLLAR(S)															
LEFT INSULD END PNL W/ ADJ LEG 80IN HIGH 27IN TOP WIDTH 21IN BOTTOM WIDTH															
HOOD CONTAINS SOLID FUEL COOKING APPLIANCES															
PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY															
STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH															

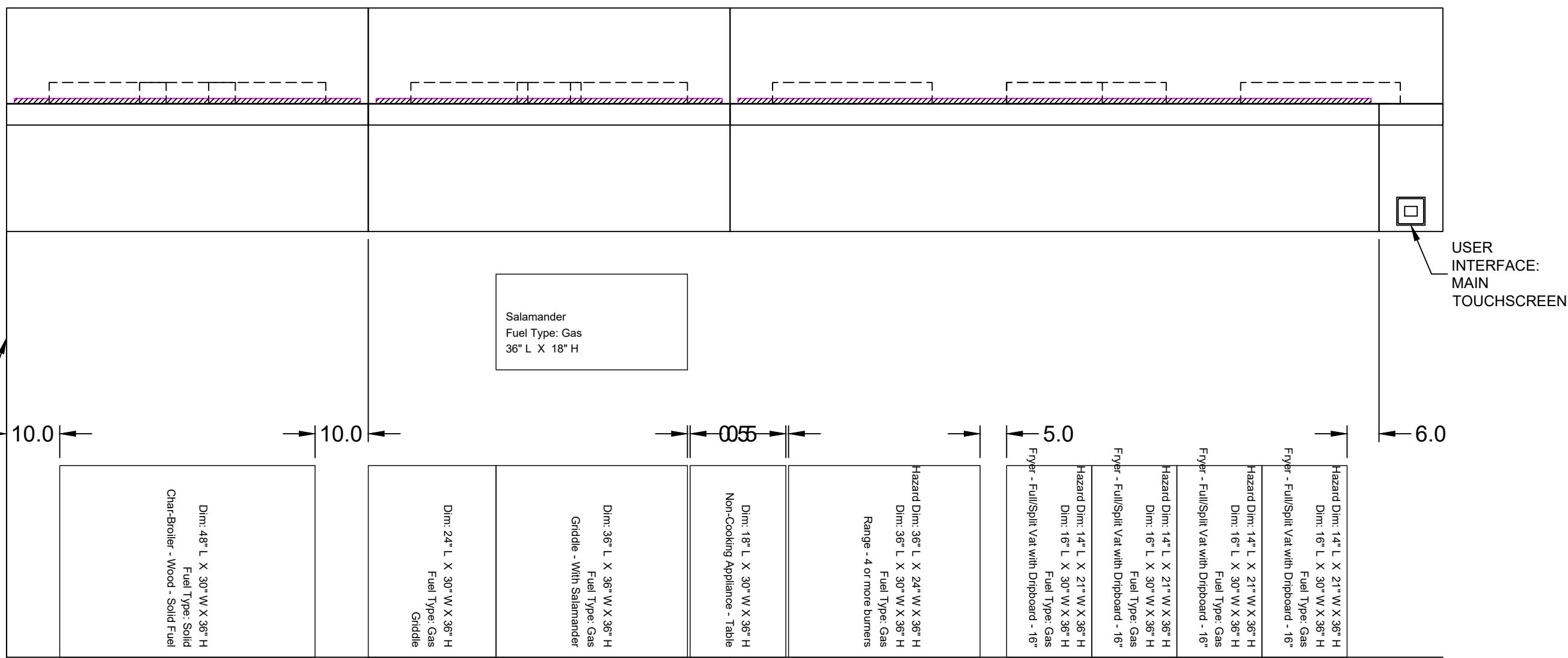




MARK: KEH-FL - SECTION 1
PLAN VIEW

MARK: KEH-FR - SECTION 1
PLAN VIEW

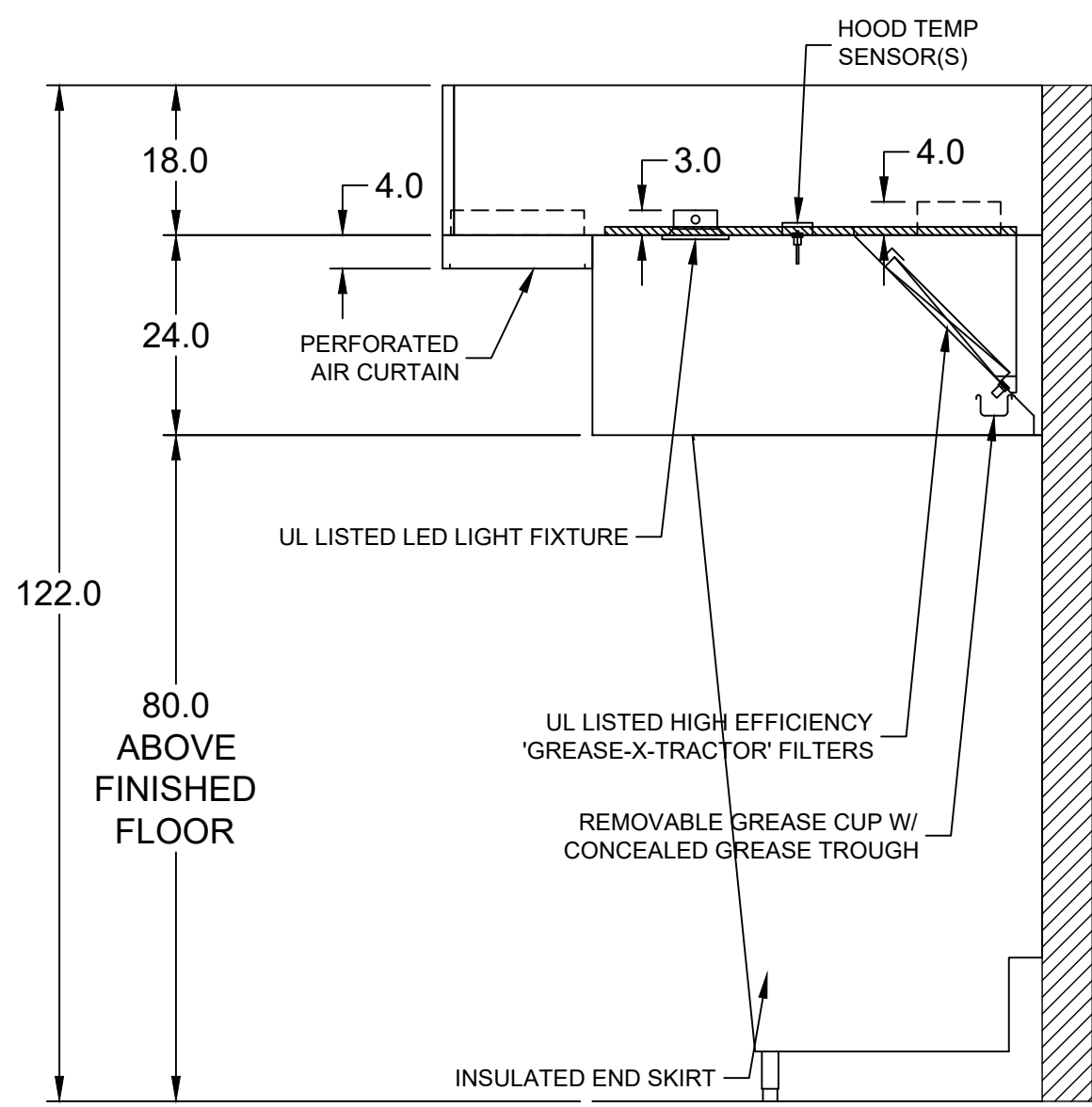
MARK: KEH-FR - SECTION 2
PLAN VIEW



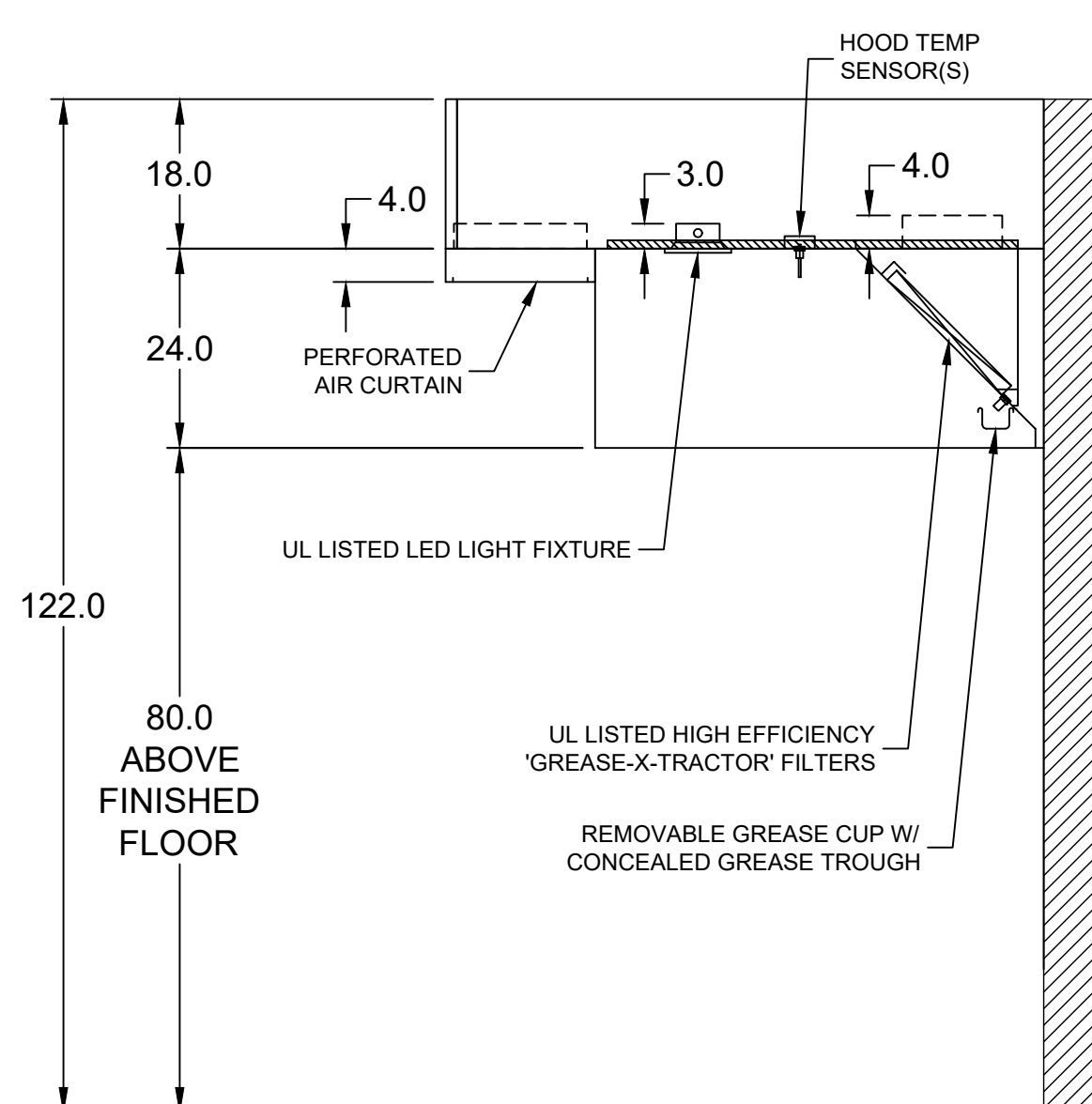
MARK: KEH-FL - SECTION 1
ELEVATION VIEW

MARK: KEH-FR - SECTION 1
ELEVATION VIEW

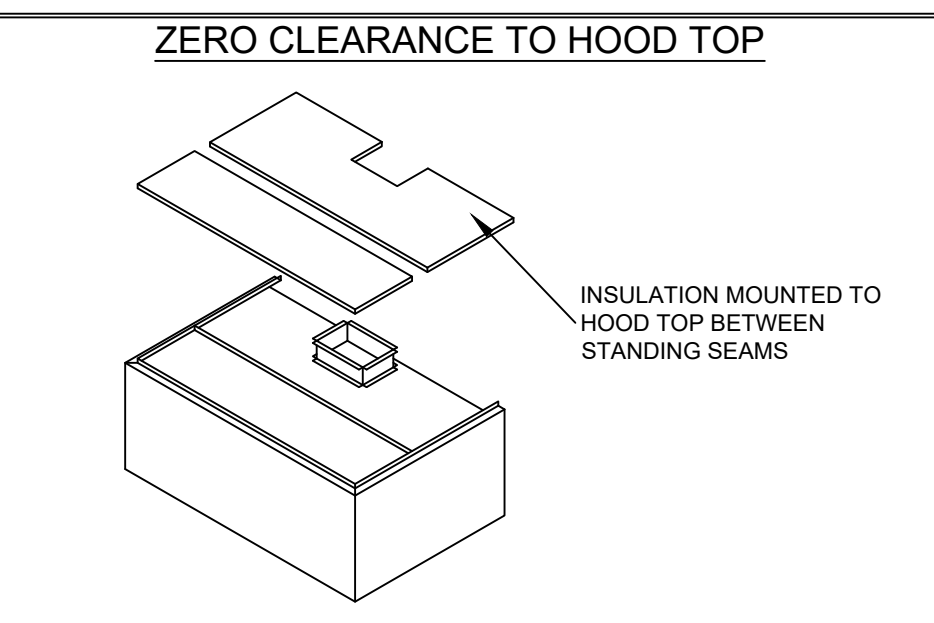
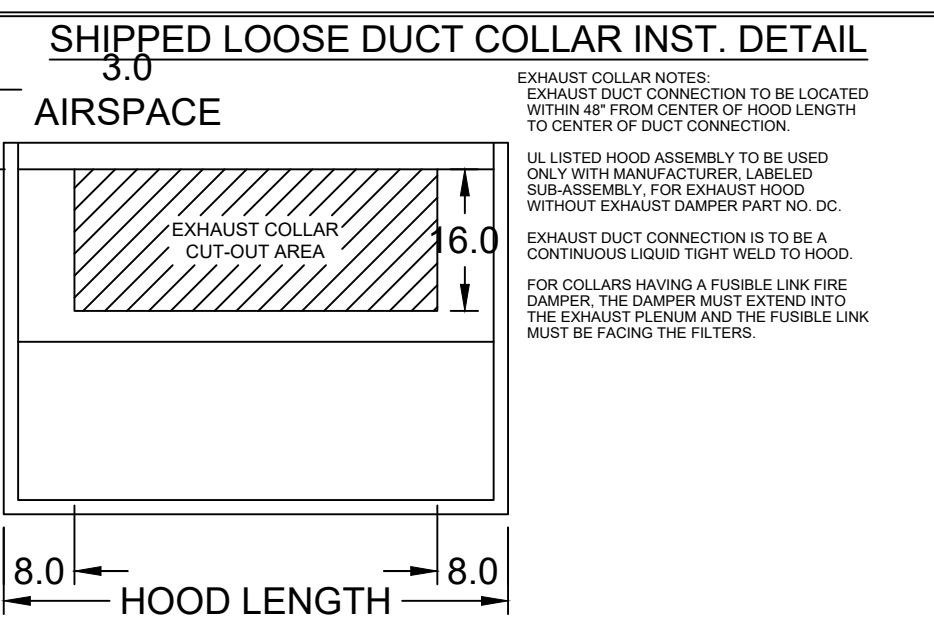
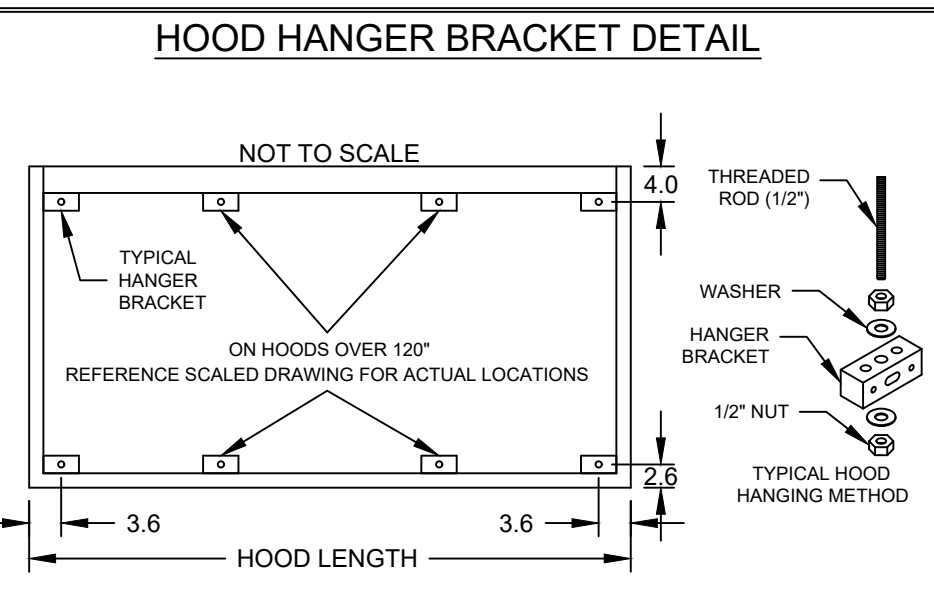
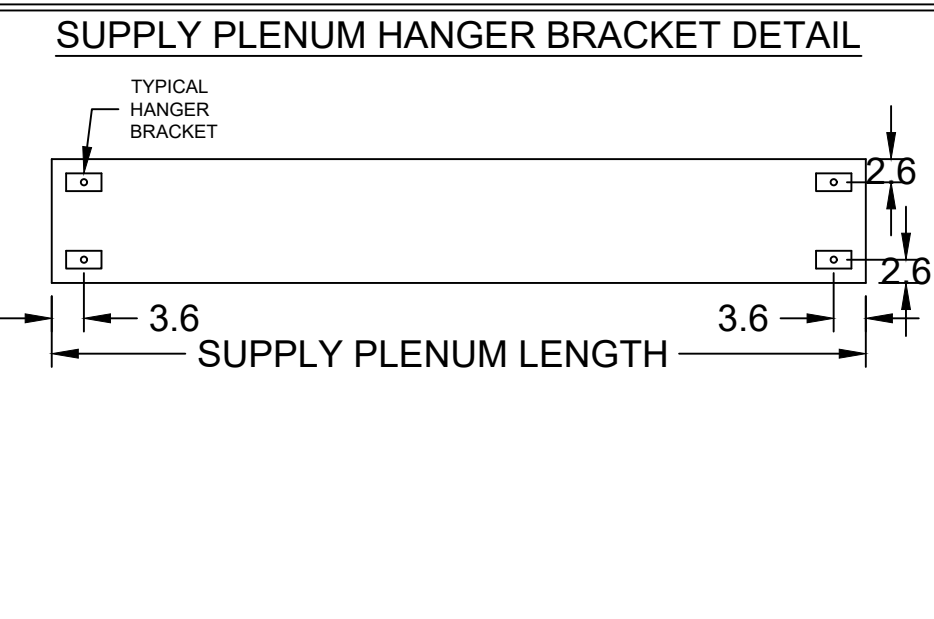
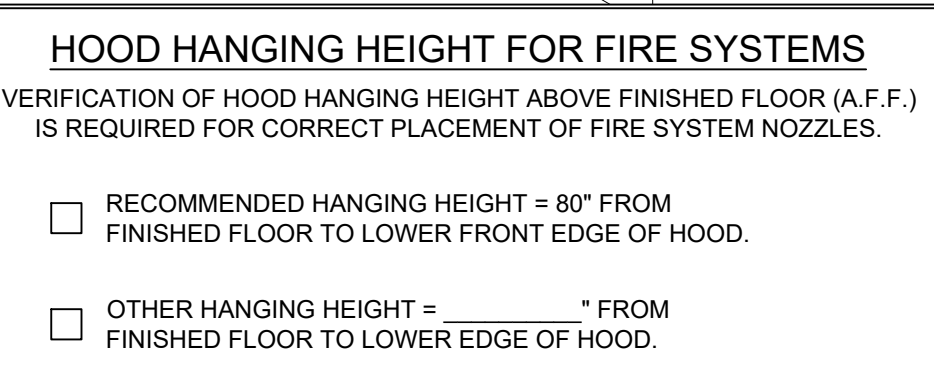
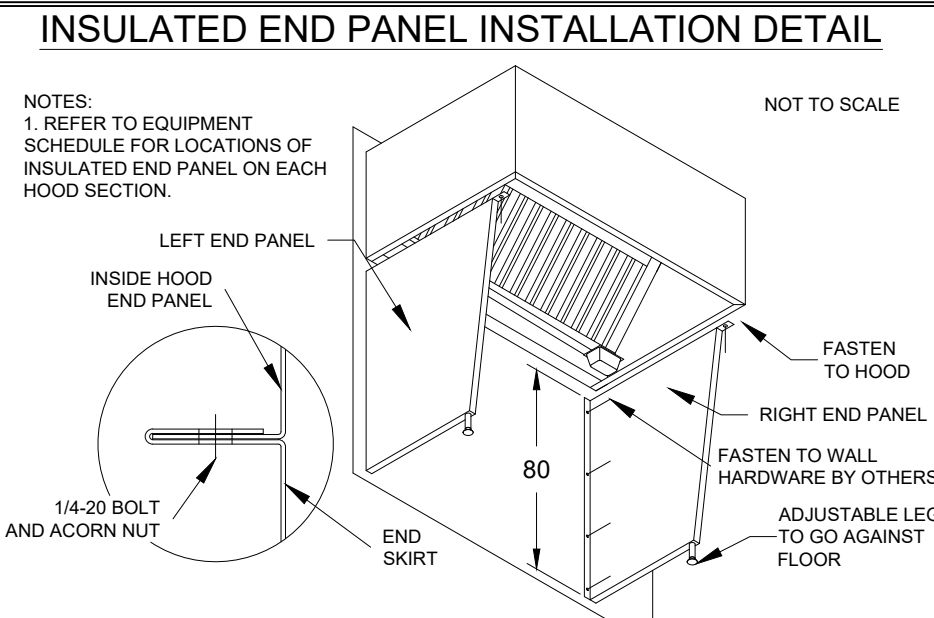
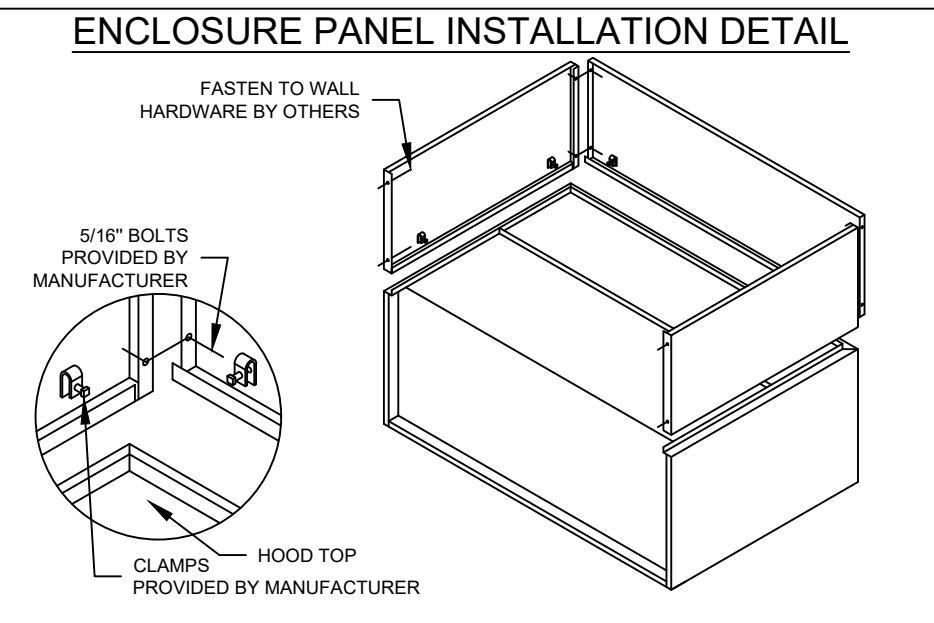
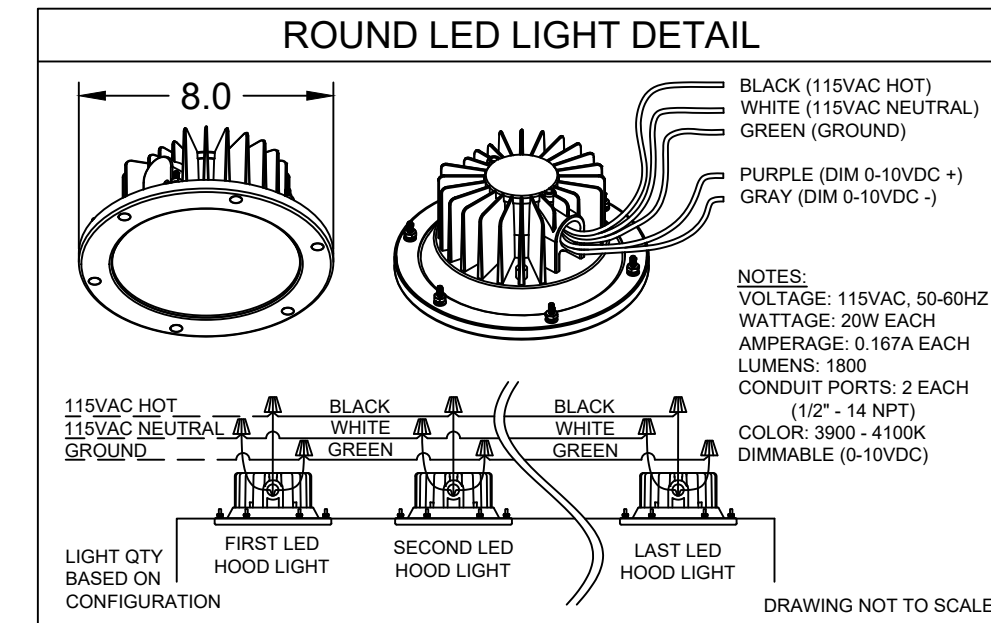
MARK: KEH-FR - SECTION 2
ELEVATION VIEW



MARK: KEH-FR (LAST HOOD IN ROW)
SECTION VIEW



MARK: KEH-FL
SECTION VIEW



HOOD INFORMATION																	
HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	EXHAUST						SUPPLY		HANGING WEIGHT LBS.	SECTION LOCATION
			LENGTH	WIDTH	HEIGHT			TOTAL CFM	COLLAR(S)				MUA CFM	AC CFM			
								WIDTH	LENGTH	DIA.	CFM	S.P.					
1	KEH-BR	XXEW-68-S	68	60	24	430 SS WHERE EXPOSED	EXTRA HEAVY	2267	12	18		2267	1.097	1631		267	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.)		LOCATION	FIRE SYSTEM		CONTROLS	
							L	H		TYPE	SIZE	MODEL	INTERFACE
1	KEH-BR	ROUND LED	2	70.56	X-TRACTOR (SPARK ARRESTOR INCL.) STAINLESS STEEL	3	16	20					
						1	20						

SUPPLY PLENUM INFORMATION																				
HOOD NO.	MARK	POS.	TYPE	SIZE (IN.)			INSULATED	DAMPER(S)	LED LIGHT(S)		TOTAL CFM	TOTAL S.P.	COLLARS							
				L	W	H			SUPPLIED	QTY			TYPE	MOUNTING	QTY	W	L	DIA.	CFM	VEL.
1	KEH-BR	FRONT	ASP	68	18	4	NO	YES	NO		1631	0.04	MUA	LOOSE	2	16	22		816	334

HOOD OPTIONS										SPECIAL DESIGN REQUESTS						
UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625 HOOD TOP INSULATED FOR ZERO CLEARANCE TO COMBUSTIBLES BACK INTEGRAL AIR SPACE - 3 IN WIDE 18 IN HIGH CEILING ENCLOSURES - FRONT RIGHT - FIELD INSTALLED SHIPPED LOOSE EXHAUST COLLAR(S) RIGHT INSULD END PNL W/ ADJ LEG 80IN HIGH 27IN TOP WIDTH 21IN BOTTOM WIDTH HOOD CONTAINS SOLID FUEL COOKING APPLIANCES PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH										SDR #K2500507 - PROVIDE (1) CUSTOM 42" TOP WIDE INSULATED END PANEL. MAINTAIN FRONT FACE ANGLE						

HOOD INFORMATION																	
HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	EXHAUST						SUPPLY		HANGING WEIGHT LBS.	SECTION LOCATION
			LENGTH	WIDTH	HEIGHT			TOTAL CFM	COLLAR(S)					MUA CFM	AC CFM		
								WIDTH	LENGTH	DIA.	CFM	S.P.					
1	KEH-BL	XBEW-89-S	89	60	24	430 SS WHERE EXPOSED	HEAVY	2003	12	16		2003	0.462	1347		370	LEFT
2	KEH-BL	XBEW-144-S	144	60	24	430 SS WHERE EXPOSED	HEAVY	2400	10	22		2400	0.399	1863		443	RIGHT

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.)		LOCATION	FIRE SYSTEM		CONTROLS				
							L	H		TYPE	SIZE	MODEL	INTERFACE			
1	KEH-BL	ROUND LED	2	66.3	BAFFLE STAINLESS STEEL	3	16	20	LEFT							
						2	20									
2	KEH-BL	ROUND LED	3	69.77	BAFFLE STAINLESS STEEL	4	16	20								
						4	20									

SUPPLY PLENUM INFORMATION																				
HOOD NO.	MARK	POS.	TYPE	SIZE (IN.)			INSULATED	DAMPER(S)	LED LIGHT(S)		TOTAL CFM	TOTAL S.P.	COLLARS							
				L	W	H			SUPPLIED	QTY			TYPE	MOUNTING	QTY	W	L	DIA.	CFM	VEL.
1	KEH-BL	FRONT	ASP	101	18	4	NO	YES	NO		1347	0.01	MUA	LOOSE	2	16	30		674	202
2	KEH-BL	FRONT	ASP	144	18	4	NO	YES	NO		1863	0.01	MUA	LOOSE	3	16	30		621	186

HOOD OPTIONS									
UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625 HOOD TOP INSULATED FOR ZERO CLEARANCE TO COMBUSTIBLES BACK INTEGRAL AIR SPACE - 3 IN WIDE 18 IN HIGH CEILING ENCLOSURES - FRONT LEFT RIGHT - FIELD INSTALLED CONTINUOUS CAPTURE SHIPPED LOOSE EXHAUST COLLAR(S) BACKSPLASH 80.00 IN HIGH 308.00 IN LONG LEFT SIDESPLASH 122.00 IN HIGH 6.00 IN LONG PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH									

ROUND LED LIGHT DETAIL

8.0

115VAC HOT
115VAC NEUTRAL
GROUND

BLACK (115VAC HOT)
WHITE (115VAC NEUTRAL)
GREEN (GROUND)
PURPLE (DIM 0-10VDC +)
GRAY (DIM 0-10VDC -)

NOTES:
VOLTAGE: 115VAC, 50-60HZ
WATTAGE: 20W EACH
AMPERAGE: 0.167A EACH
LUMENS: 1850
CONDUIT PORTS: 2 EACH
(1/2" - 14 NPT)
COLOR: 3000 - 4100K
DIMMABLE (0-10VDC)

115VAC HOT
115VAC NEUTRAL
GROUND

BLACK WHITE
GREEN GREEN

BLACK WHITE
GREEN GREEN

LIGHT QTY BASED ON CONFIGURATION

FIRST LED HOOD LIGHT

SECOND LED HOOD LIGHT

LAST LED HOOD LIGHT

DRAWING NOT TO SCALE

ENCLOSURE PANEL INSTALLATION DETAIL

FASTEN TO WALL
HARDWARE BY OTHERS

5/16" BOLTS PROVIDED BY MANUFACTURER

CLAMPS PROVIDED BY MANUFACTURER

HOOD TOP

INSULATED END PANEL INSTALLATION DETAIL

NOT TO SCALE

NOTES:
1. REFER TO EQUIPMENT
SCHEDULE FOR LOCATIONS OF
INSULATED END PANEL ON EACH
HOOD SECTION.

LEFT END PANEL

INSIDE HOOD
END PANEL

FASTEN TO HOOD

RIGHT END PANEL

FASTEN TO WALL
HARDWARE BY OTHERS

ADJUSTABLE LEG
TO GO AGAINST
FLOOR

80

END SKIRT

1/4-20 BOLT
AND ACORN NUT

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.

SUPPLY PLENUM HANGER BRACKET DETAIL

TYPICAL HANGER BRACKET

3.6

2.6

2.6

3.6

SUPPLY PLENUM LENGTH

HOOD HANGER BRACKET DETAIL

NOT TO SCALE

TYPICAL HANGER BRACKET

ON HOODS OVER 120" REFERENCE SCALED DRAWING FOR ACTUAL LOCATIONS

4.0

THREADED ROD (1/2")

WASHER

HANGER BRACKET

1/2" NUT

2.0

3.6

HOOD LENGTH

3.6

TYPICAL HOOD HANGING METHOD

SHIPPED LOOSE DUCT COLLAR INST. DETAIL

3.0

AIRSPACE

EXHAUST COLLAR CUT OUT AREA

16.0

8.0

HOOD LENGTH

8.0

EXHAUST COLLAR NOTES:
EXHAUST DUCT CONNECTION TO BE LOCATED WITHIN 48" FROM CENTER OF HOOD LENGTH TO CENTER OF DUCT CONNECTION.

UL LISTED HOOD ASSEMBLY TO BE USED ONLY WITH MANUFACTURER'S LABELED SUB-ASSEMBLY FOR EXHAUST HOOD WITHOUT EXHAUST DAMPER PART NO. DC.

EXHAUST DUCT CONNECTION IS TO BE A CONTINUOUS LIQUID TIGHT WELD TO HOOD.

FOR COLLARS HAVING A FUSIBLE LINK FIRE DAMPER, THE DAMPER MUST EXTEND INTO THE EXHAUST PLENUM AND THE FUSIBLE LINK MUST BE FACING THE FILTERS.

ZERO CLEARANCE TO HOOD TOP

INSULATION MOUNTED TO HOOD TOP BETWEEN STANDING SEAMS

ACCUREX

PROJECT
9/25/2025

Q39 LEE'S SUMMIT R2

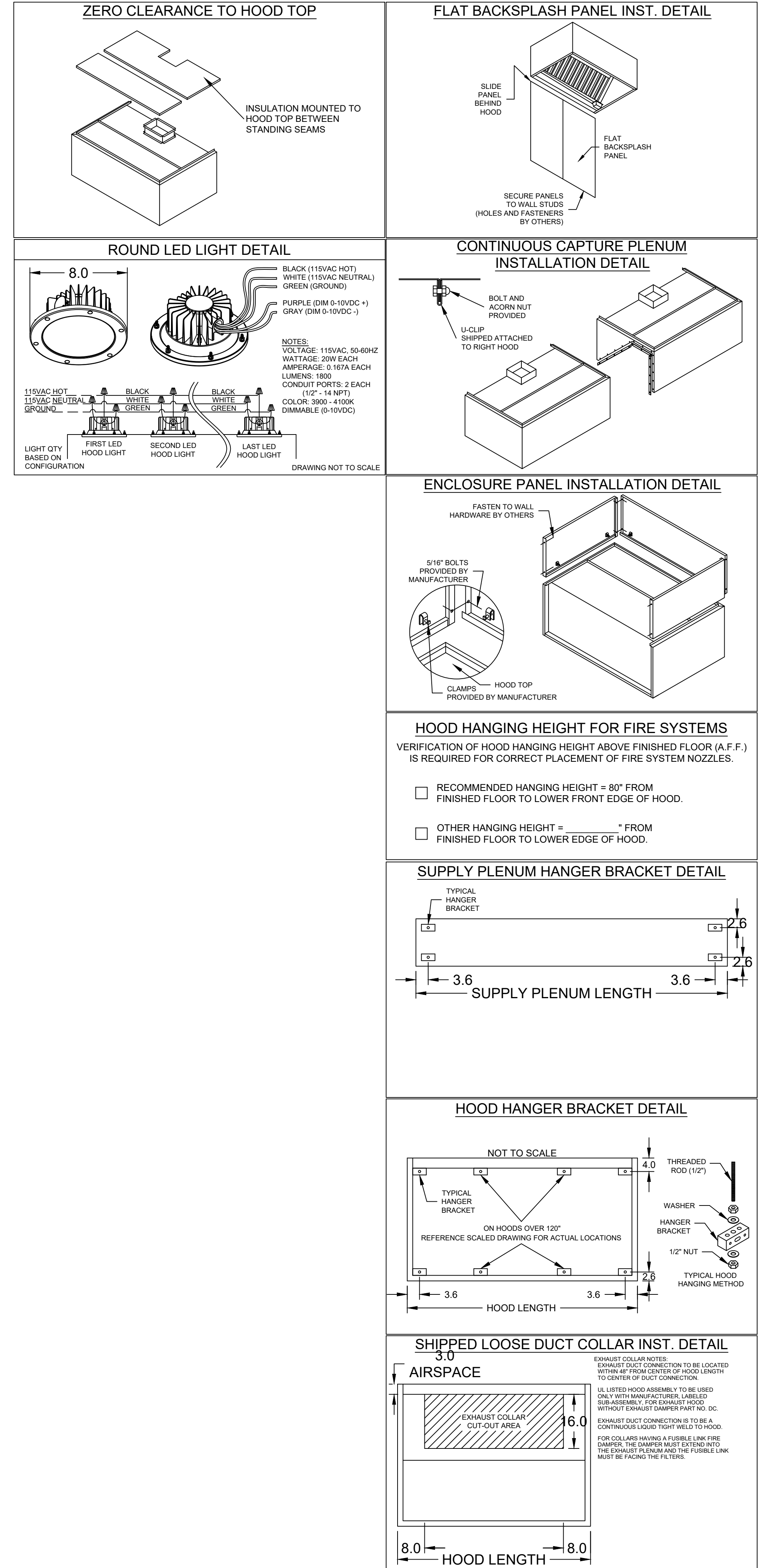
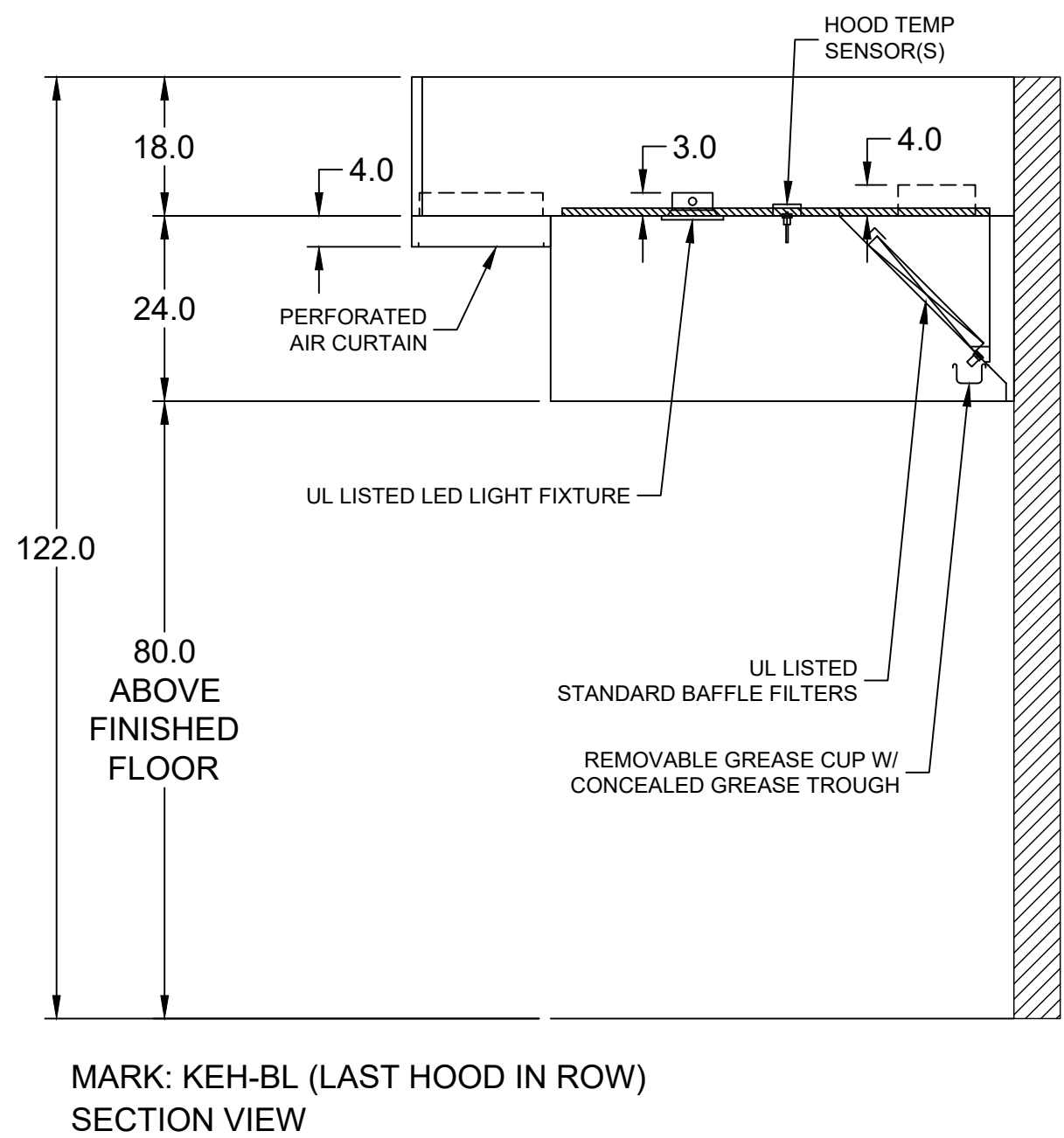
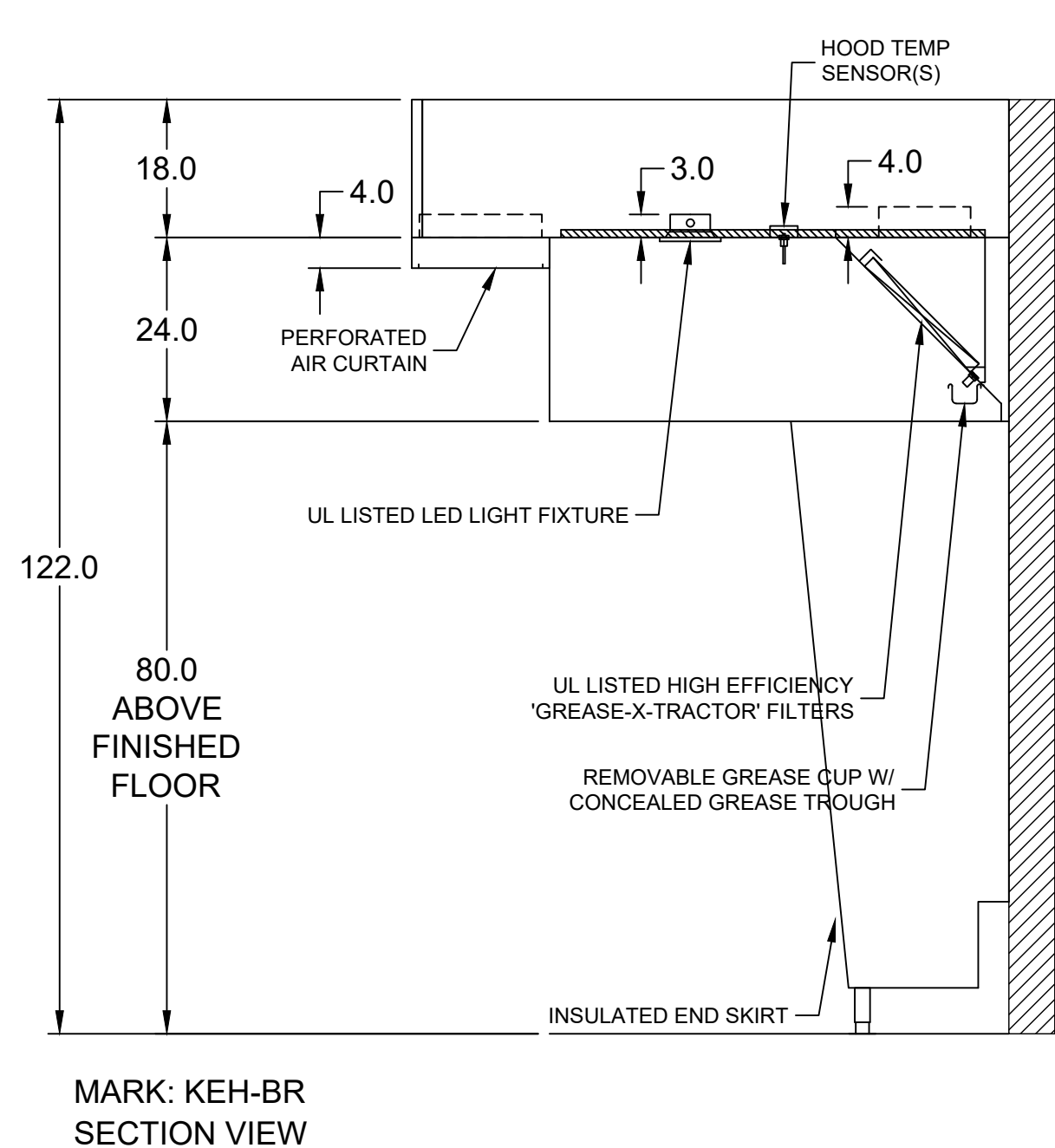
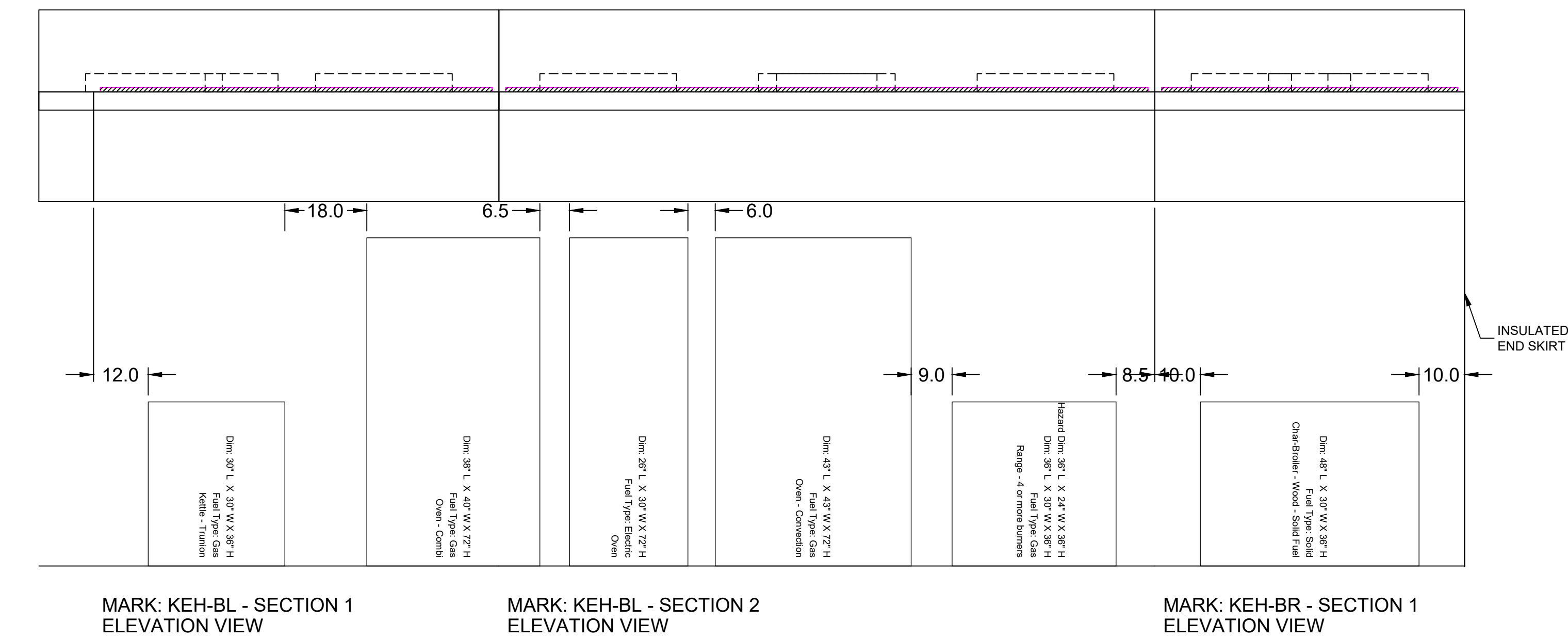
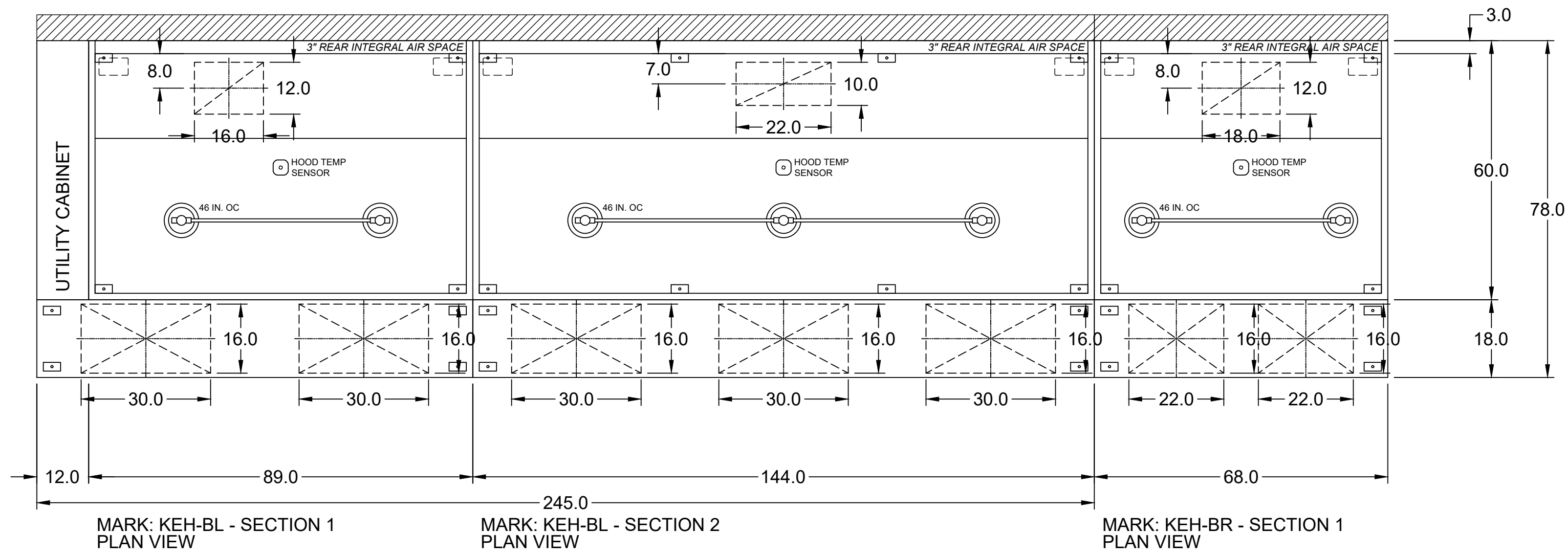
MARK

ACCUREX KS NE WESTERN MO
BENJAMIN OBRIEN
BENJAMIN.OBRIEN@ACCUREX.COM
(417)920-5245

UL NSF

Q39 LEE'S SUMMIT R2

KEH-BR & KEH-BL



Direct Drive Upblast Centrifugal Roof Exhaust Fan

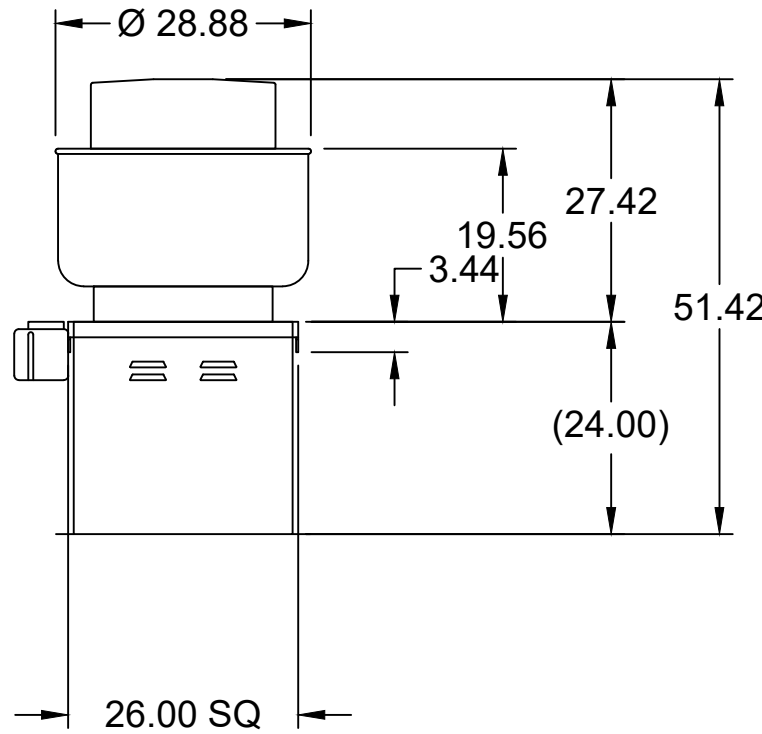
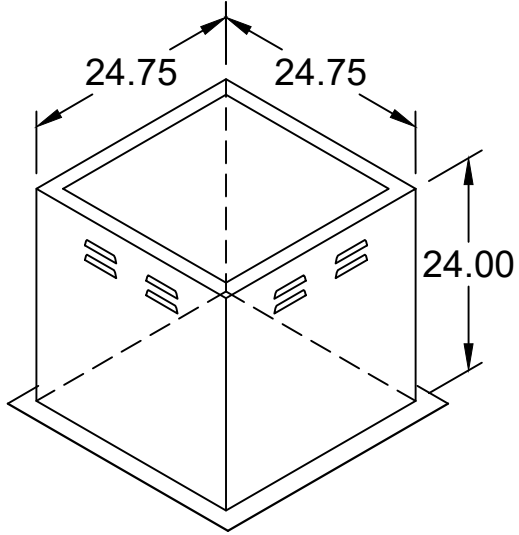
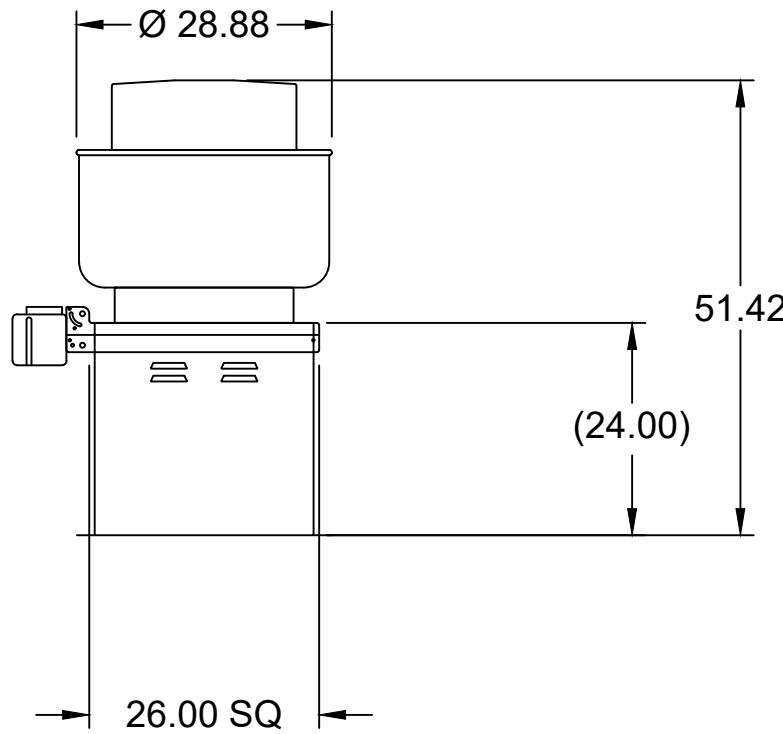
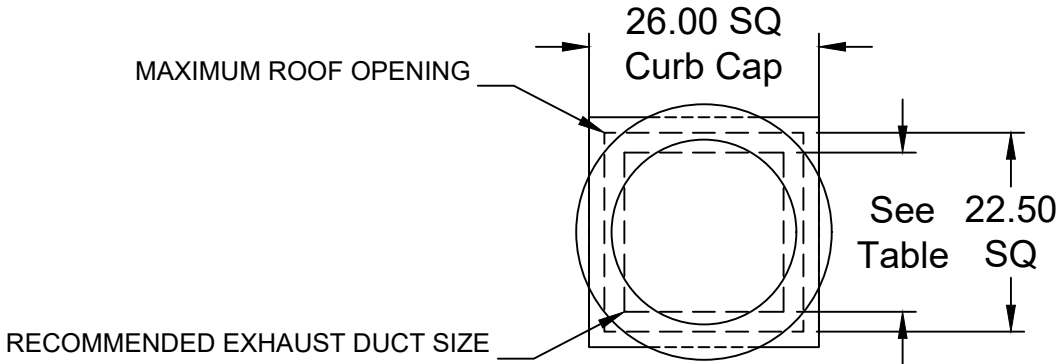
MARK INFORMATION		FAN INFORMATION									SOUND INFORMATION					MOTOR INFORMATION							
MARK	QTY	MODEL	DRIVE TYPE	VOLUME (CFM)	EXTERNAL SP (IN. WG)	TOTAL EXTERNAL SP (IN. WG)	FAN SPEED (RPM)	OUTLET VELOCITY (FT/MIN)	FEI	TOTAL WEIGHT (LB)	INLET dBA	INLET SONES	INLET SONES (SPHERICAL)	OUTLET dBA	OUTLET SONES	OPERATING POWER (HP)	MOTOR SIZE (HP)	FEP INPUT POWER (KW)	ENCLOSURE	VOLTAGE	CYCLE	PHASE	EC MOTOR
KEF-3	1	XCUE-140-VG	Direct	1,275	1.076	1.076	1,355	741.28	0	85.6	60.1	11.04	0	0	0	0.42	0.75	0	OP	277	60	1	VariGreen

KEF-FLR : 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) Curb Cap Size - 26 Square UL/cUL 705 Listed - Supplement SC - "Power Ventilators for Restaurant Exh. Appliances" (Formerly UL 762) Switch, NEMA-3R, Toggle, Hinge, Factory Installed High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached) Grease Trap (PN 475538) Aluminum Wheel Material

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.

DUCT TYPE	SIZE
STANDARD	18 SQ
FIRE-WRAPPED	12 SQ



Direct Drive Upblast Centrifugal Roof Exhaust Fan

MARK INFORMATION		FAN INFORMATION									SOUND INFORMATION					MOTOR INFORMATION								
MARK	QTY	MODEL	DRIVE TYPE	VOLUME (CFM)	EXTERNAL SP (IN. WG)	TOTAL EXTERNAL SP (IN. WG)	FAN SPEED (RPM)	OUTLET VELOCITY (FT/MIN)	FEI	TOTAL WEIGHT (LB)	INLET dBA	INLET SONES	INLET SONES (SPHERICAL)	OUTLET dBA	OUTLET SONES	OPERATING POWER (HP)	MOTOR SIZE (HP)	FEP INPUT POWER (KW)	ENCLOSURE	VOLTAGE	CYCLE	PHASE	EC MOTOR	NEC FLA*
KEF-1	1	XCUE-140-VG	Direct	2,033	1.02	1.02	1,552	1,181.98	1.38	92	64.97	12.71	0	0	0	0.68	1	0.6	OP	277	60	1	VariGreen	6.6

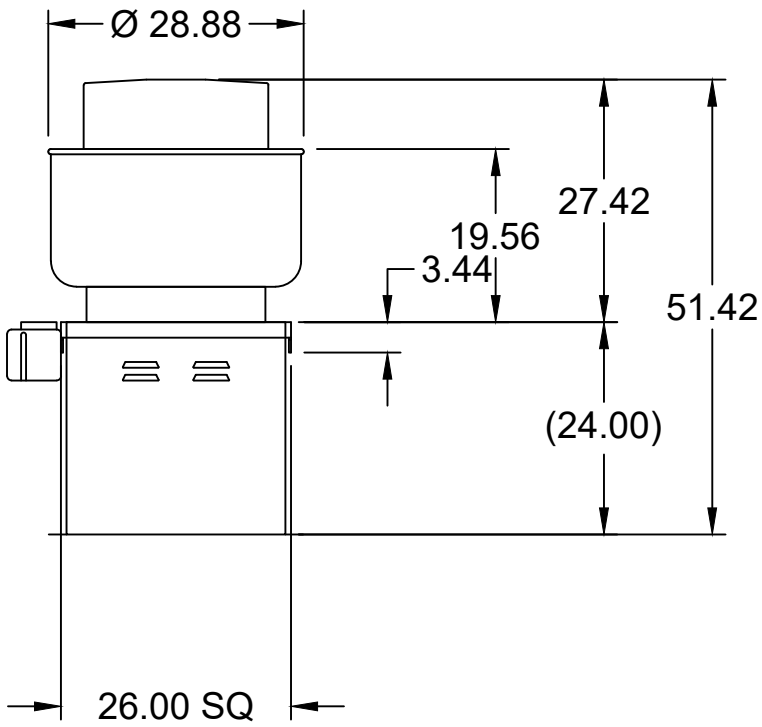
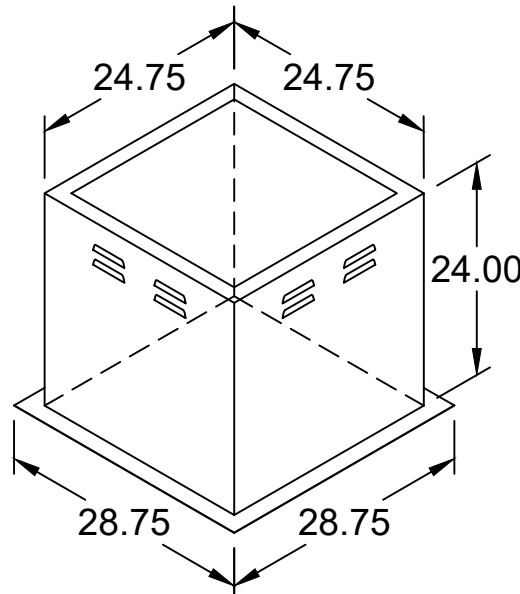
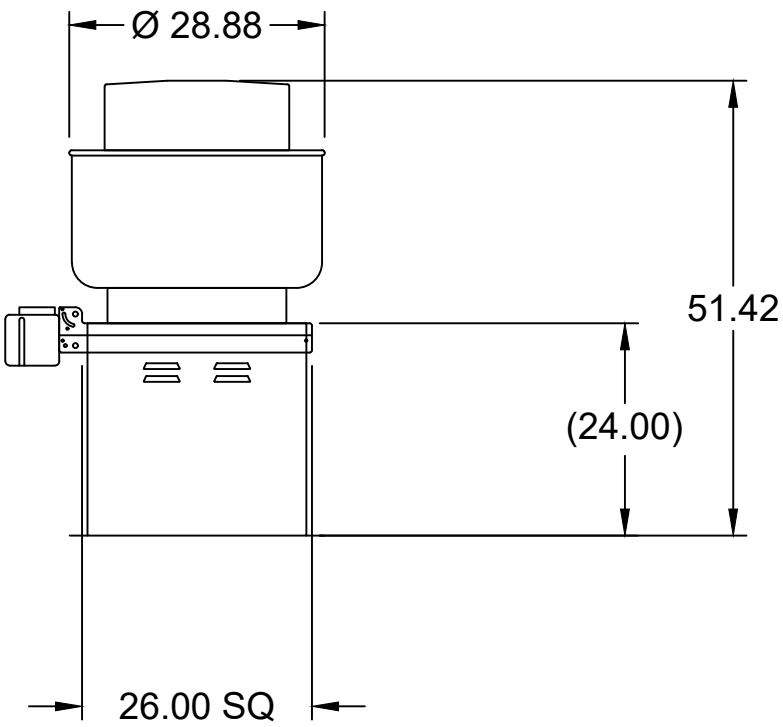
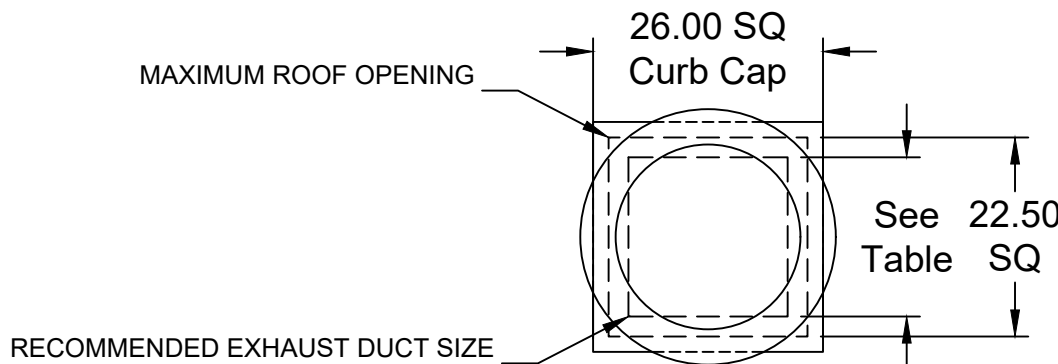
*NEC FLA - Based on table [430.250](#) or [430.248](#) of National Electrical Code 2020. Actual motor FLA may vary for sizing thermal overload, consult factory"

KEF-FR : 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) Curb Cap Size - 26 Square UL/cUL 705 Listed - Supplement SC - "Power Ventilators for Restaurant Exh. Appliances" (Formerly UL 762) Switch, NEMA-3R, Toggle, Hinge, Factory Installed High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached) Fastener Material: Stainless Grease Trap (PN 475538) Aluminum Wheel Material

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.

DUCT TYPE	SIZE
STANDARD	18 SQ
FIRE-WRAPPED	12 SQ



Direct Drive Upblast Centrifugal Roof Exhaust Fan

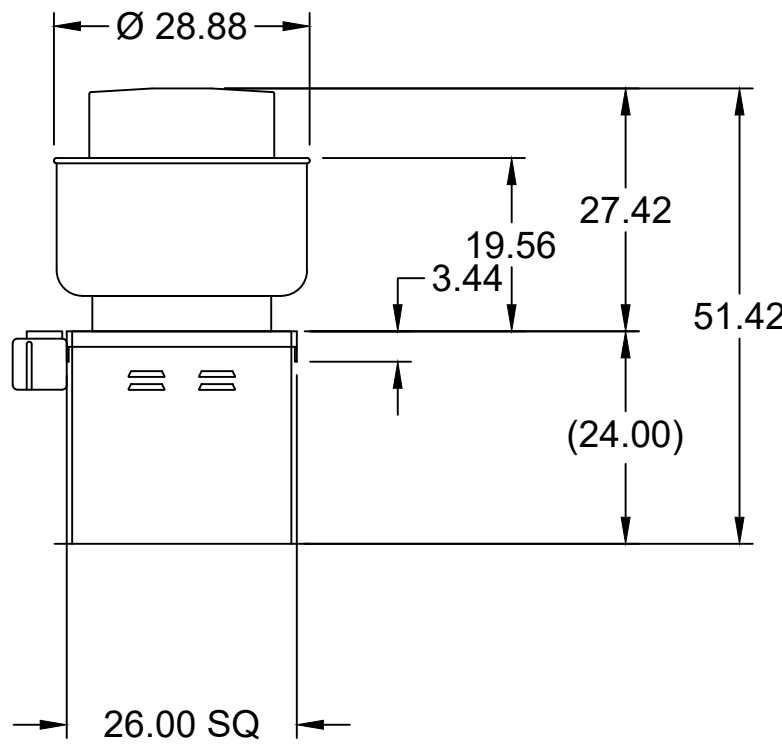
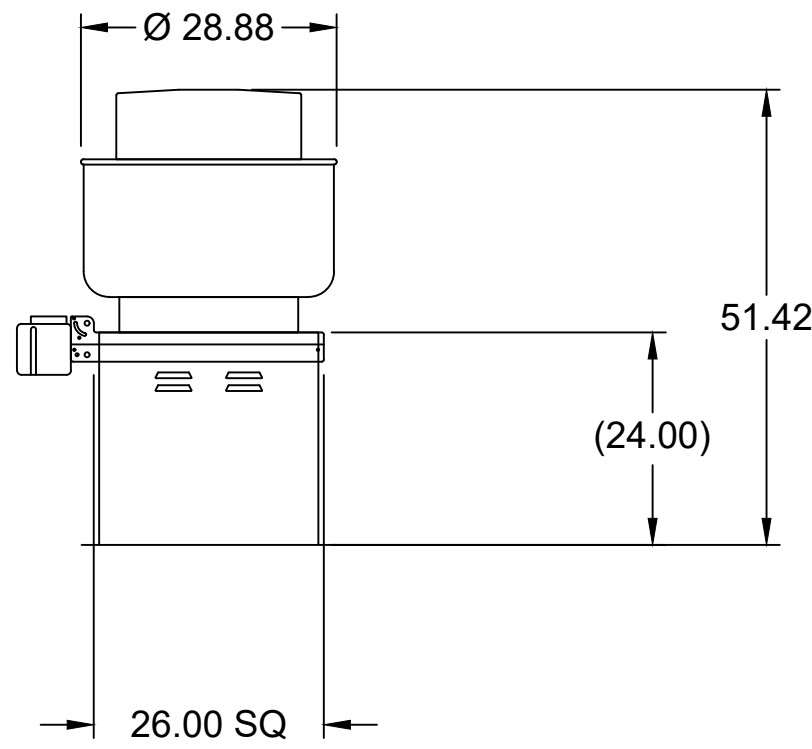
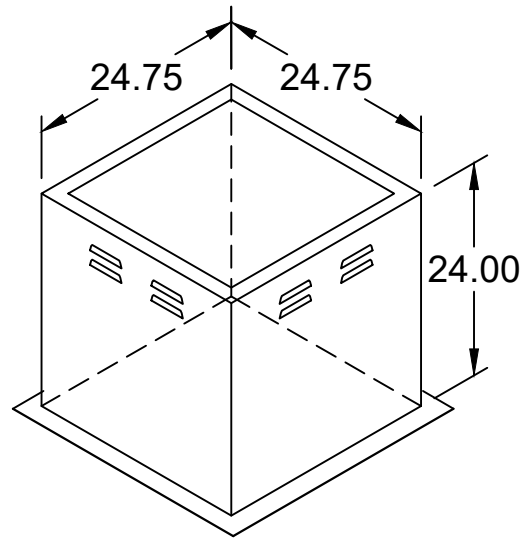
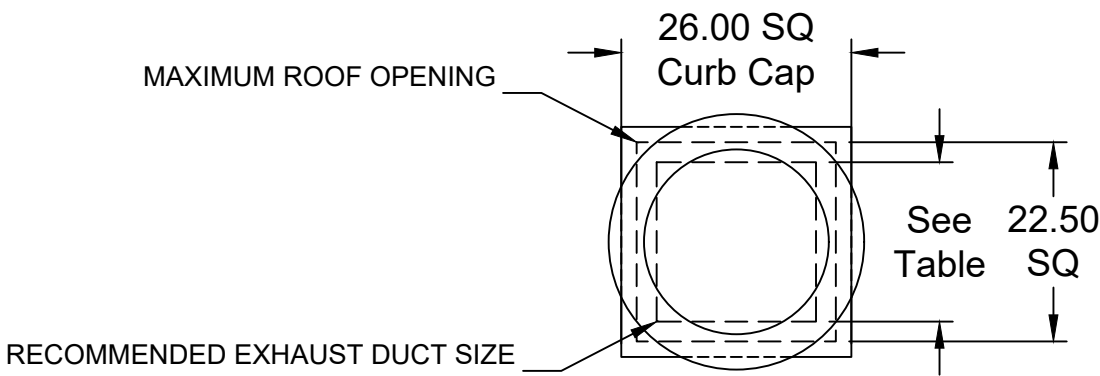
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MARK	QTY	MODEL	DRIVE TYPE	VOLUME (CFM)	EXTERNAL SP (IN. WG)	TOTAL EXTERNAL SP (IN. WG)	FAN SPEED (RPM)	OUTLET VELOCITY (FT/MIN)	FEI	TOTAL WEIGHT (LB)	INLET dBA	INLET SONES	INLET SONES (SPHERICAL)	OUTLET dBA	OUTLET SONES	OPERATING POWER (HP)	MOTOR SIZE (HP)	FEP INPUT POWER (KW)	ENCLOSURE	VOLTAGE	CYCLE	PHASE	EC MOTOR
KEF-5	1	XCUE-160-VG	Direct	2,400	0.899	0.899	1,196	1,395.35	1.57	99.4	66.19	14.41	0	0	0	0.64	1	0	TN	277	60	1	VariGreen

KEF-BLR : 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)
Curb Cap Size - 26 Square
UL/cUL 705 Listed - Supplement SC - "Power Ventilators for Restaurant Exh. Appliances" (Formerly UL 762)
Switch, NEMA-3R, Toggle,
Hinge, Factory Installed
High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached)
Grease Trap (PN 475538)
Aluminum Wheel Material

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.

DUCT TYPE	SIZE
STANDARD	18 SQ
FIRE-WRAPPED	12 SQ



Direct Drive Upblast Centrifugal Roof Exhaust Fan

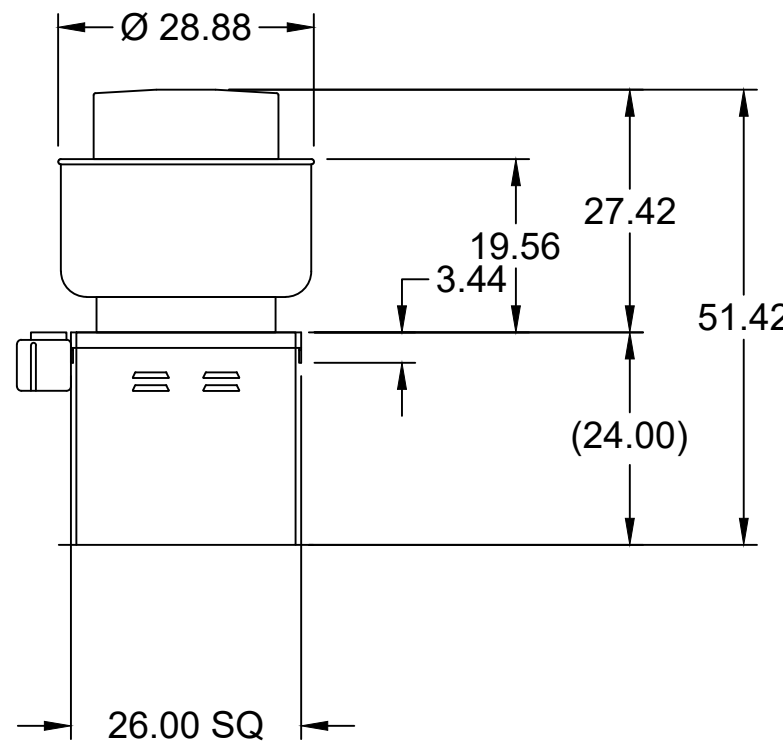
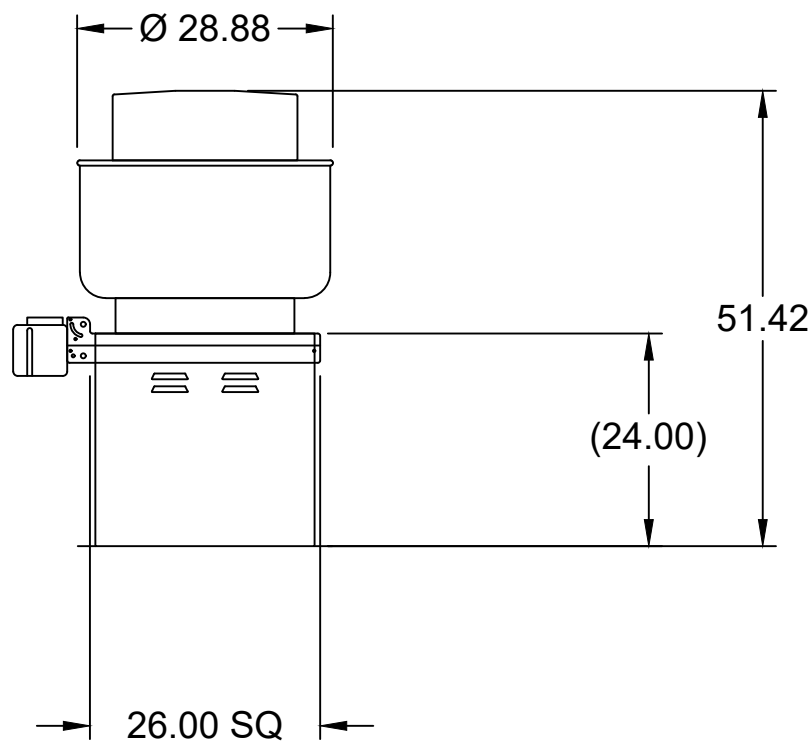
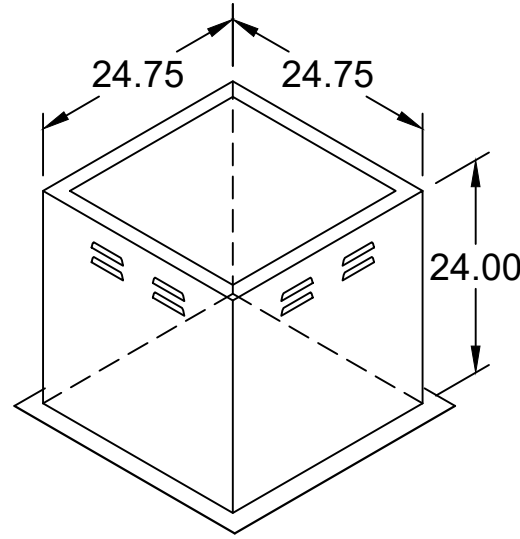
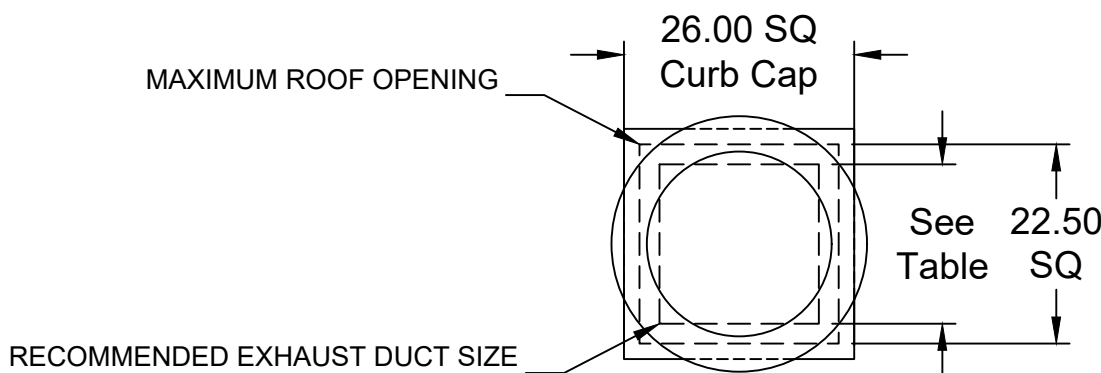
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MARK	QTY	MODEL	DRIVE TYPE	VOLUME (CFM)	EXTERNAL SP (IN. WG)	TOTAL EXTERNAL SP (IN. WG)	FAN SPEED (RPM)	OUTLET VELOCITY (FT/MIN)	FEI	TOTAL WEIGHT (LB)	INLET dBA	INLET SONES	INLET SONES (SPHERICAL)	OUTLET dBA	OUTLET SONES	OPERATING POWER (HP)	MOTOR SIZE (HP)	FEP INPUT POWER (KW)	ENCLOSURE	VOLTAGE	CYCLE	PHASE	EC MOTOR
KEF-4	1	XCUE-160-VG	Direct	2,003	0.962	0.962	1,139	1,164.53	0	93.6	64.53	13	0	0	0	0.54	0.75	0	OP	277	60	1	VariGreen

KEF-BL : 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)
Curb Cap Size - 26 Square
UL/cUL 705 Listed - Supplement SC - "Power Ventilators for Restaurant Exh. Appliances" (Formerly UL 762)
Switch, NEMA-3R, Toggle,
Hinge, Factory Installed
High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached)
Grease Trap (PN 475538)
Aluminum Wheel Material

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.

DUCT TYPE	SIZE
STANDARD	18 SQ
FIRE-WRAPPED	12 SQ



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MARK

KEF-5 & KEF-4

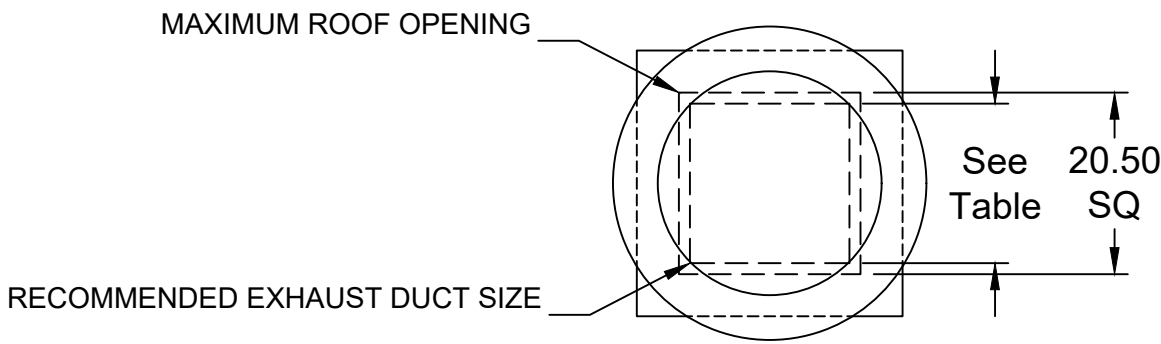


Ultimate Steel Grease Fan

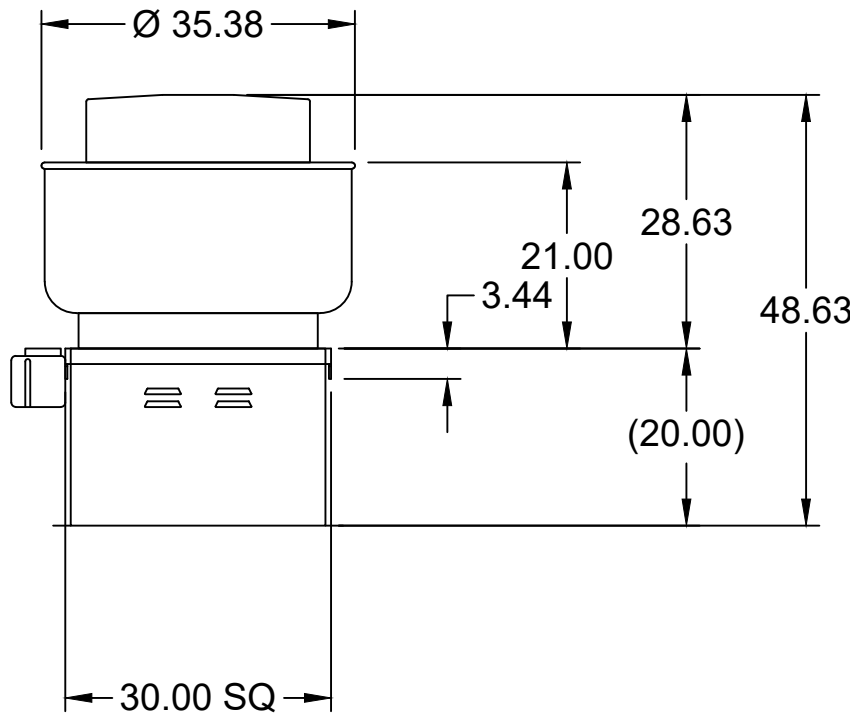
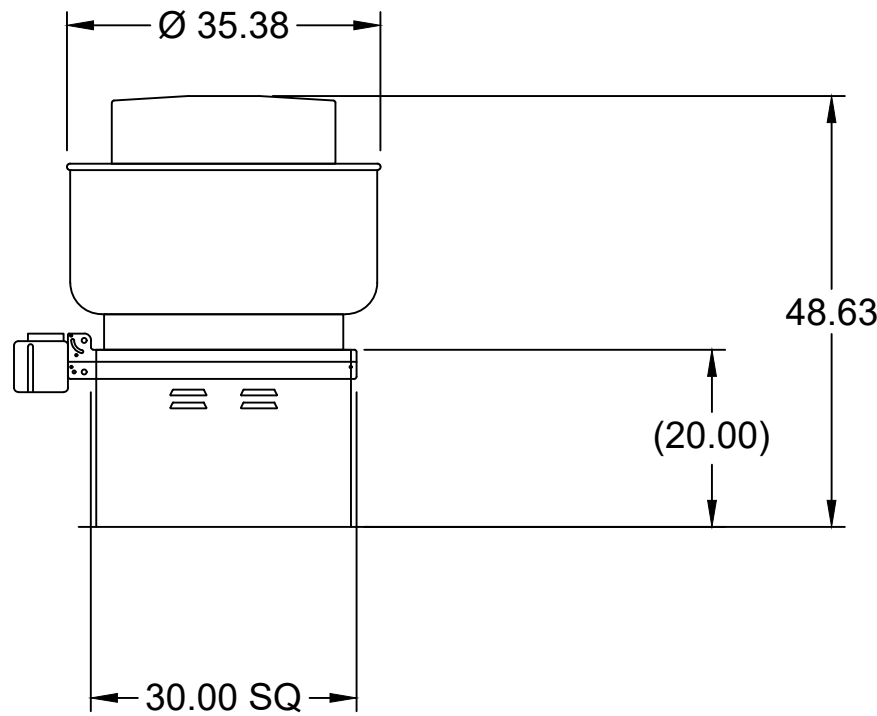
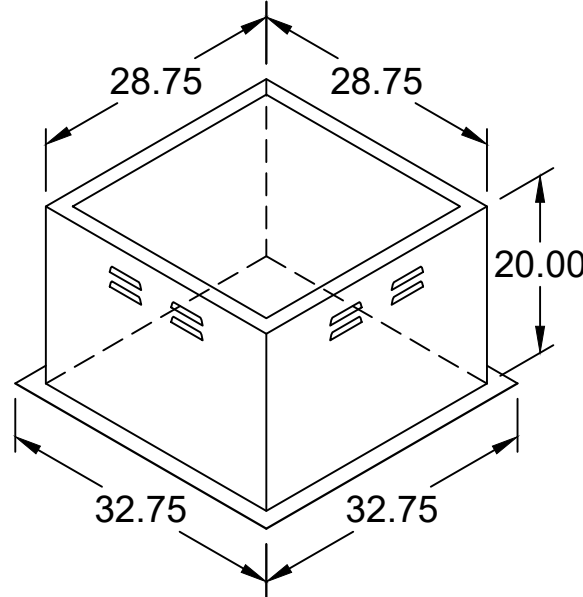
MARK INFORMATION		FAN INFORMATION									SOUND INFORMATION					MOTOR INFORMATION								
MARK	QTY	MODEL	DRIVE TYPE	VOLUME (CFM)	EXTERNAL SP (IN. WG)	TOTAL EXTERNAL SP (IN. WG)	FAN SPEED (RPM)	OUTLET VELOCITY (FT/MIN)	FEI	TOTAL WEIGHT (LB)	INLET dBA	INLET SONES	INLET SONES (SPHERICAL)	OUTLET dBA	OUTLET SONES	OPERATING POWER (HP)	MOTOR SIZE (HP)	FEP INPUT POWER (KW)	ENCLOSURE	VOLTAGE	CYCLE	PHASE	EC MOTOR	NEC FLA*
KEF-2	1	XRUBS-180-20	Belt	4,534	0.75	0.75	1,364	1,552.74	0.94	309	71.78	20.99	0	0	0	1.62	2	1.45	OP	460	60	3	No	3.4

*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"

KEF-FL, BR : SELECTED OPTIONS AND ACCESSORIES
Curb Cap Size - 30 Square
UL/cUL 705 Listed - Supplement SC - "Power Ventilators for Restaurant Exh. Appliances" (Formerly UL 762)
Switch, NEMA-3R, Toggle,
Hinged Base (Attached)
High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached)
Coated with Permatecor, Concrete Gray-RAL 7023, Fan And Attached Acc
Non-Stick Coated Wheel
Grease Trap (PN 475538)
Heat Baffle (Attached)
Bearings with Grease Fittings, L10 life of 100,000 hrs (L50 avg. life 500,000 hrs)
Clean-out Port - Factory Installed
Steel Wheel Material



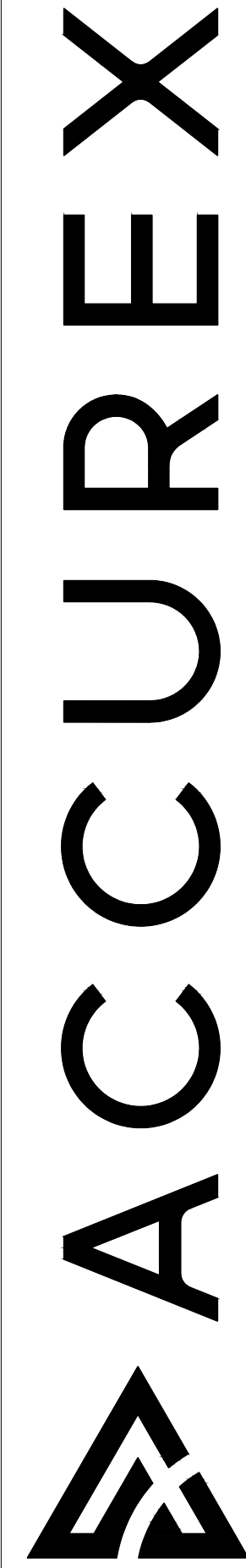
DUCT TYPE	SIZE
STANDARD	18 SQ
FIRE-WRAPPED	10 SQ



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
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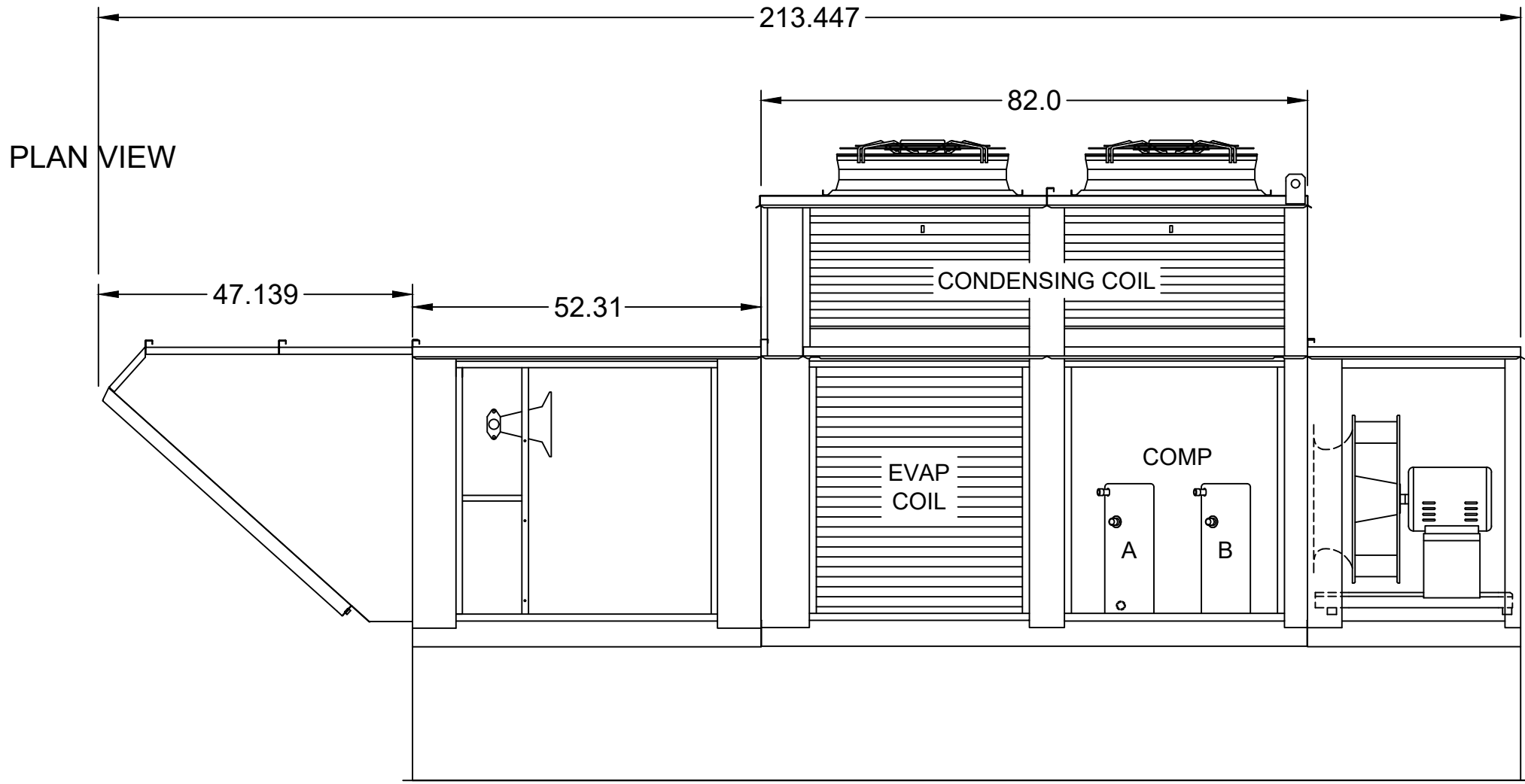
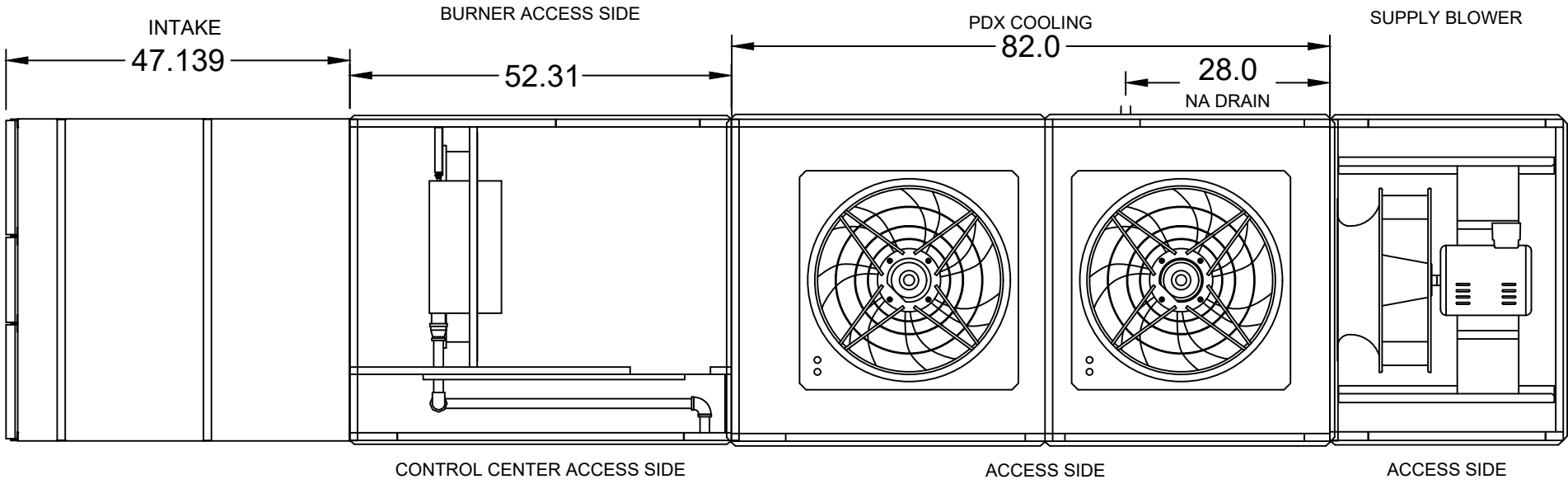
MARK

Q39 LEE'S SUMMIT R2

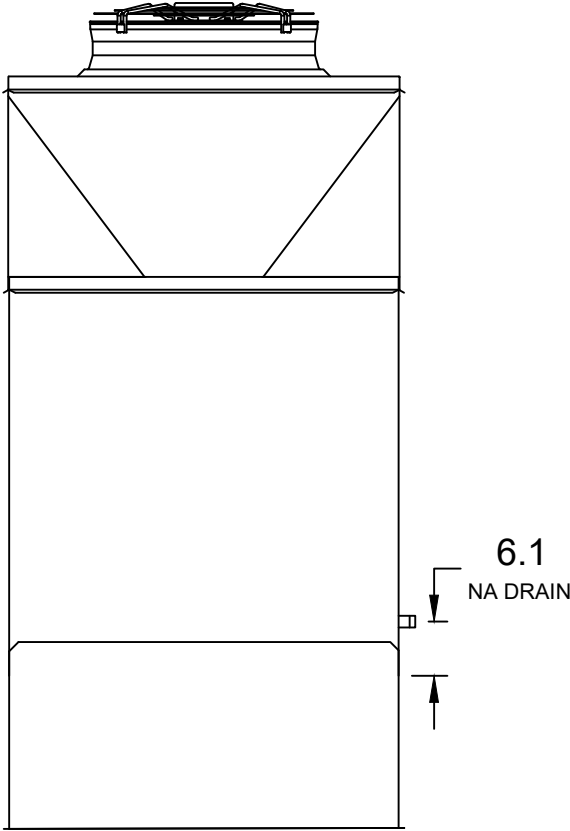
KEF-2



EQUIPMENT SCHEDULE												
Tempered Make-Up Air Unit									Mark: KSF-1			
Qty	Accurex Model		Volume	External SP	Total SP	MCA	MOP	Weight	SCCR			
1	XDGX-P122-H22-D1-16		8,935 CFM	0.5 in. wg	2.674	38.2	50	2,435 lb	NA			
Motor Information												
Size		V/C/P		Enclosure		Motor with Shaft Gounding		Motor RPM		Operating Power		
7 1/2 hp		460/60/3		TF		No		1800		7.05 hp		
Heating												
Type	Gas Type	Temperature			Energy			Connection Gas (IN)	Building Gas Pressure	Control Access	Gas Pressure	
		Winter DB	Max Δ	Max LAT	Input	Output	Efficiency				Min	Max
Direct Gas	Natural	3 F	76.3 F	78.9 F	800.0 MBH	736.0 MBH	92%	1"	1/2 PSI	No	12 PSI	5 PSI
Cooling												
Cooling Type		Coil Model		Rows Deep	Fins Per Inch	Face Velocity	Total Energy	Sensible Energy	Entering Air (F)		Leaving Air (F)	
0		DX38S02S10-36x55-RH		2	10	NA	200.1 MBH	191.3 MBH	97 F		80 F	
Coil SP	Refrigerant	Suction Temp	Liquid Temp	Super Heat		Code 18/19				Suction Conn Qty / Size	Liquid Conn Qty / Size	
NA	R_454b	49 F				0				NA	NA	
Outlet Sound Power By Octave Band									LwA	dBA	Sones	
62.5	125	250	500	1000	2000	4000	8000					
0	0	0	0	0	0	0	0	0	0	0	0	
*LWA - A weighted sound power level based on ANSI S1.4												
*dBA - A weighted sound pressure level based on 11.0 dB attenuation per octave band at 5.0 ft.												
*Noise Criteria (NC) based on an average attenuation of 11.5 dB per octave band at 5.0 ft.												



ELEVATION VIEW



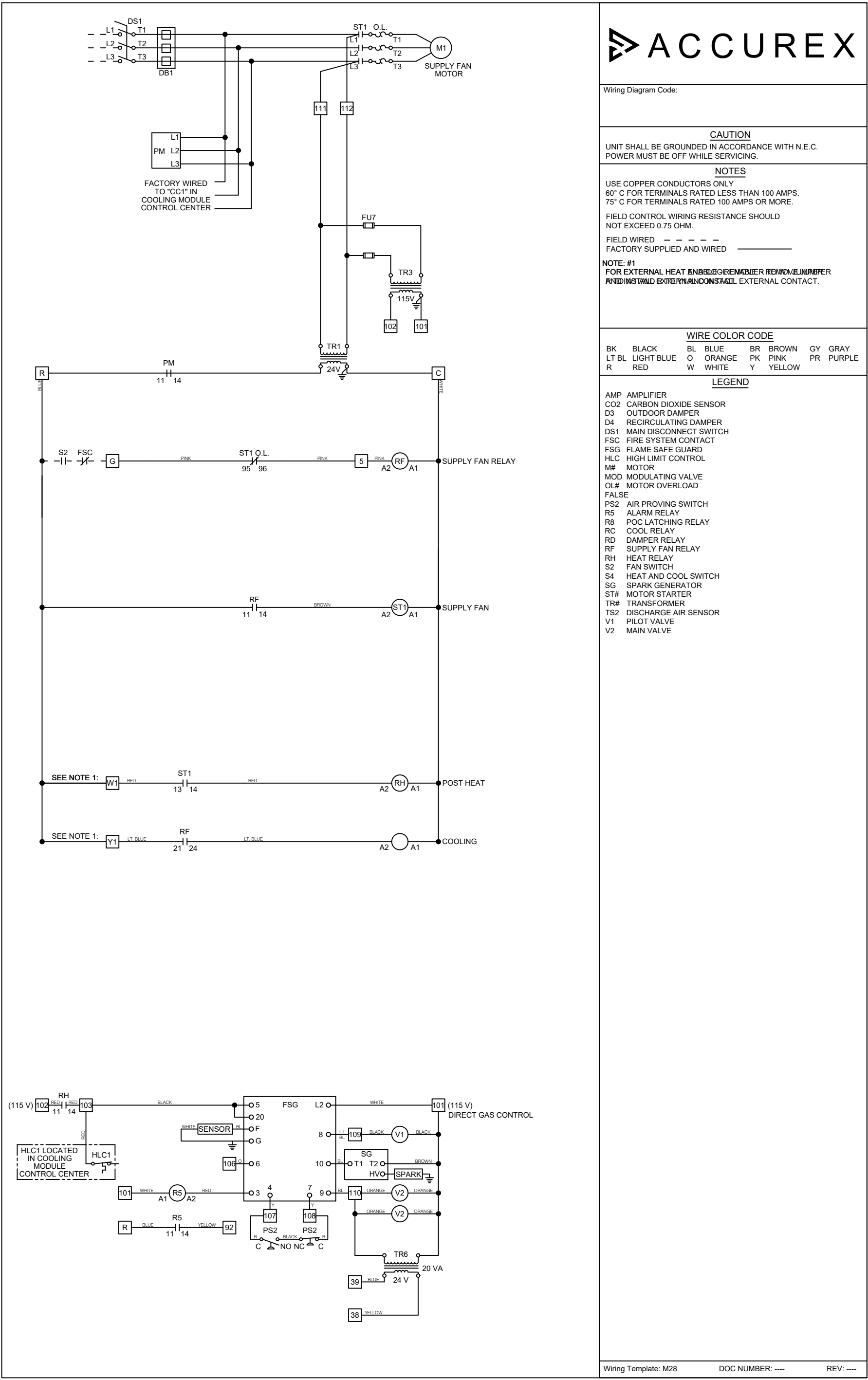
END VIEW

NOTE: Roof Opening Requirements:

Minimum Roof Opening: The minimum roof opening size is the illustrated duct diameter plus 0.25 in. on all sides.
For example: If the duct size is 14 x 14 in. square, the minimum roof opening size is 14.5 x 14.5 in. square.

Maximum Roof Opening: There must be a minimum perimeter of 1.75 in. between the roof opening and the roof curb.
For example: If the roof curb is 75 x 30 in. square, the maximum roof opening is 71.5 x 26.5 in. inches square.

NOTE: The weatherhood and filter sections of the make-up air unit are not supported by the curb.
This is by design, in order to help alleviate water infiltration issues.



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9/25/2025

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MARK

Q39 LEE'S SUMMIT R2

MUA-1



CONTROL INFORMATION

MARK	MAIN ELECTRICAL CONTROL PACKAGE		MAIN 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
KEC-1	XKC-DCV-S-51-6-1-0	RIGHT CABINET ON KEH-FR	FULL COLOR TOUCHSCREEN	CABINET – RIGHT CABINET ON KEH-FR	1	EXHAUST	E1	KEF-1	1	2033	1	277	60	1	NO	NO
					2	EXHAUST	E2	KEF-2	1	4534	2	460	60	3	NO	YES
					3	EXHAUST	E3	KEF-3	1	1275	0.75	277	60	1	NO	NO
					4	EXHAUST	E4	KEF-4	1	2003	0.75	277	60	1	NO	NO
					5	EXHAUST	E5	KEF-5	1	2400	1	277	60	1	NO	NO
					6	SUPPLY	S1	MUA-1	1	8935	7.5	460	60	3	NO	NO

CONTROL FEATURES

HOOD LIGHT CONTROL

TEMP SENSORS (FACTORY INSTALLED) - QTY. 6

DRY FIRE CONTACTS - QTY. 2

CONTROL FEATURES

HOOD LIGHT CONTROL
TEMP SENSORS (FACTORY INSTALLED) - QTY. 6
DRY FIRE CONTACTS - QTY. 2
LIGHTS OFF DURING FIRE
EXHAUST MAX DURING FIRE
SUPPLY OFF DURING FIRE



DOC NUMBER: ----

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

THESE DRAWINGS SHALL NOT BE REMOVED FROM THIS EQUIPMENT. USE COPPER CONDUCTORS RATED TO 90°C UNLESS SPECIFIED. TORQUE CONTROL & GROUND BOLTS TO 8 LBS. IN. TORQUE POWER LUGS/SCREWS TO COMPONENT RATINGS LISTED. TORQUE CONTROL BOARD SCREW TERMINALS TO 3.5 LBS. IN. FIELD CONTROL WIRING RESISTANCE SHOULD NOT EXCEED 0.75 OHM. SEE IOM FOR ADDITIONAL INFORMATION, OR CALL FACTORY AT 1-800-371-6858.
PRG VERSION: V5
FIELD WIRED (CÂBLE LOCALEMENT) ----
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 INDICUÉS 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: WDC#

JOB NAME:

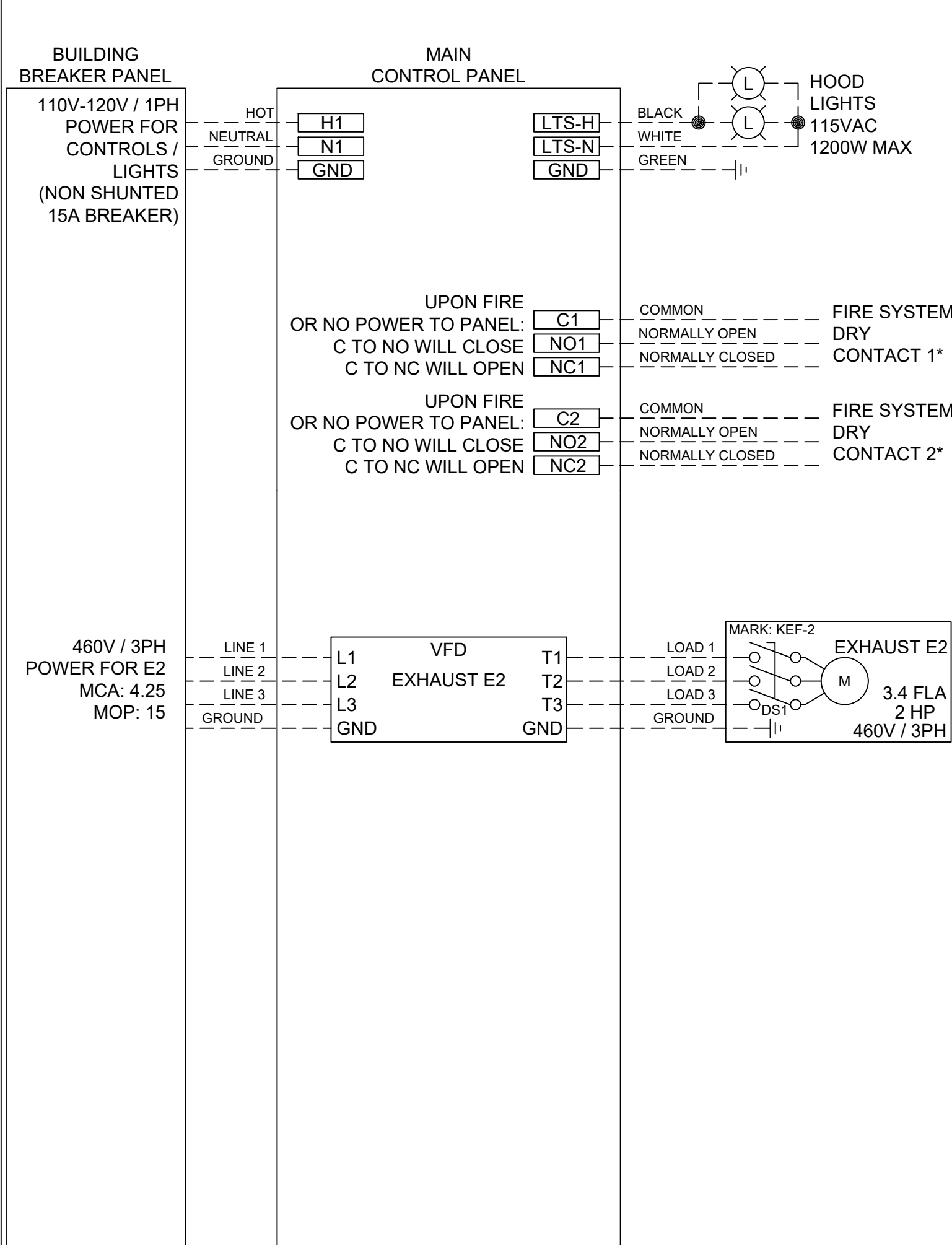
Q39 LEE'S SUMMIT R2

MODEL: XKC-DCV-S-51-6-1-0

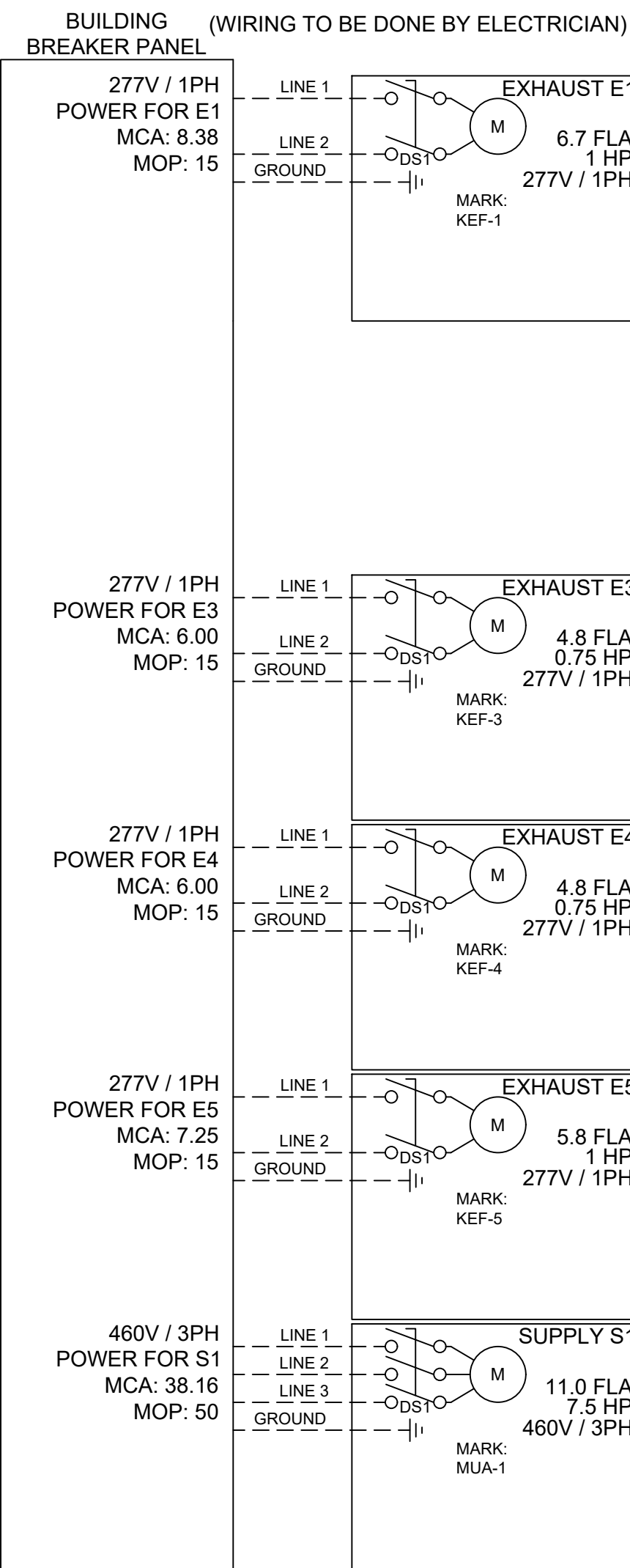
SERIAL NUMBER: WDSN#

MARK: KEC-1

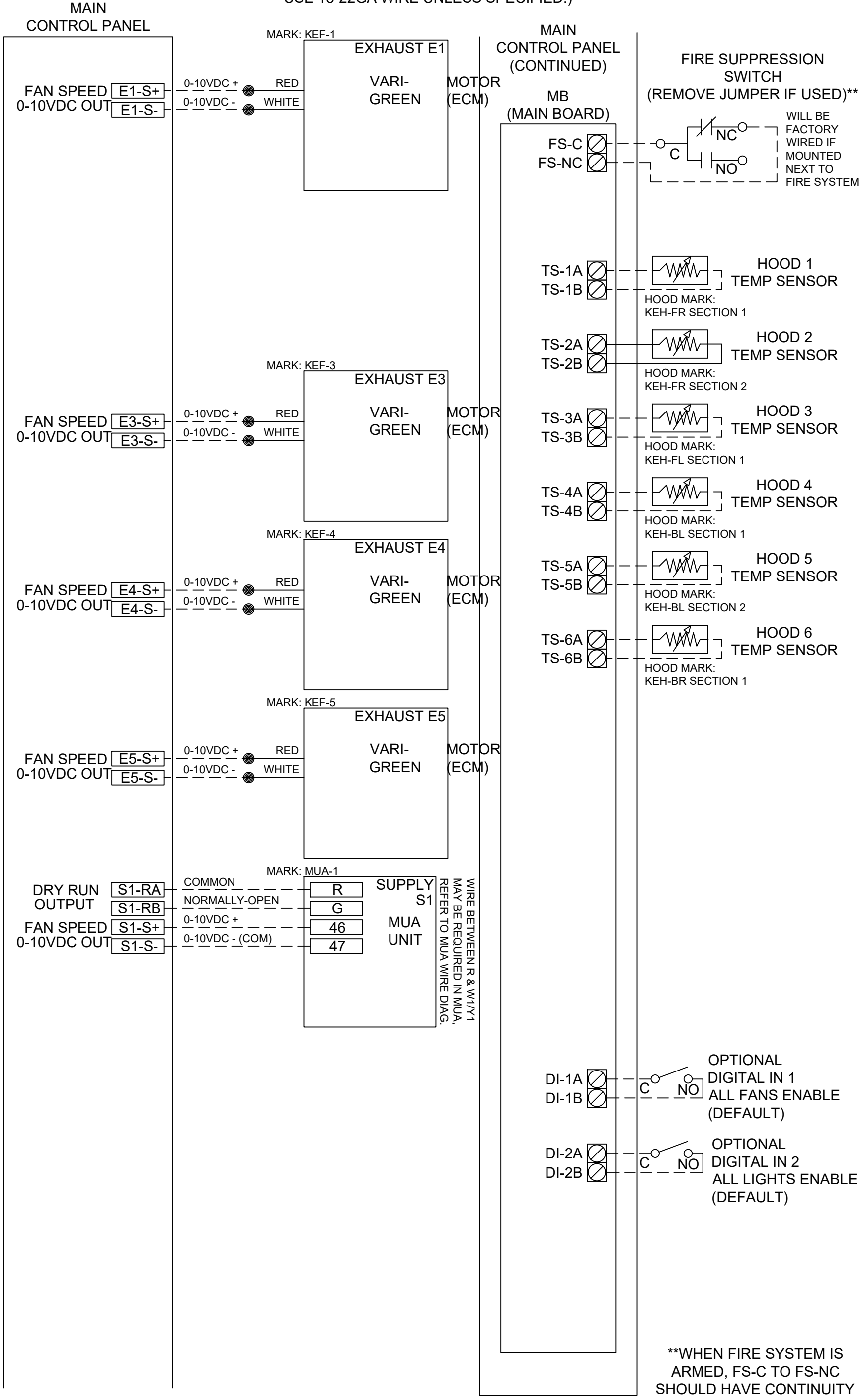
POWER WIRING FOR KITCHEN CONTROLS
(WIRING TO BE DONE BY ELECTRICIAN)



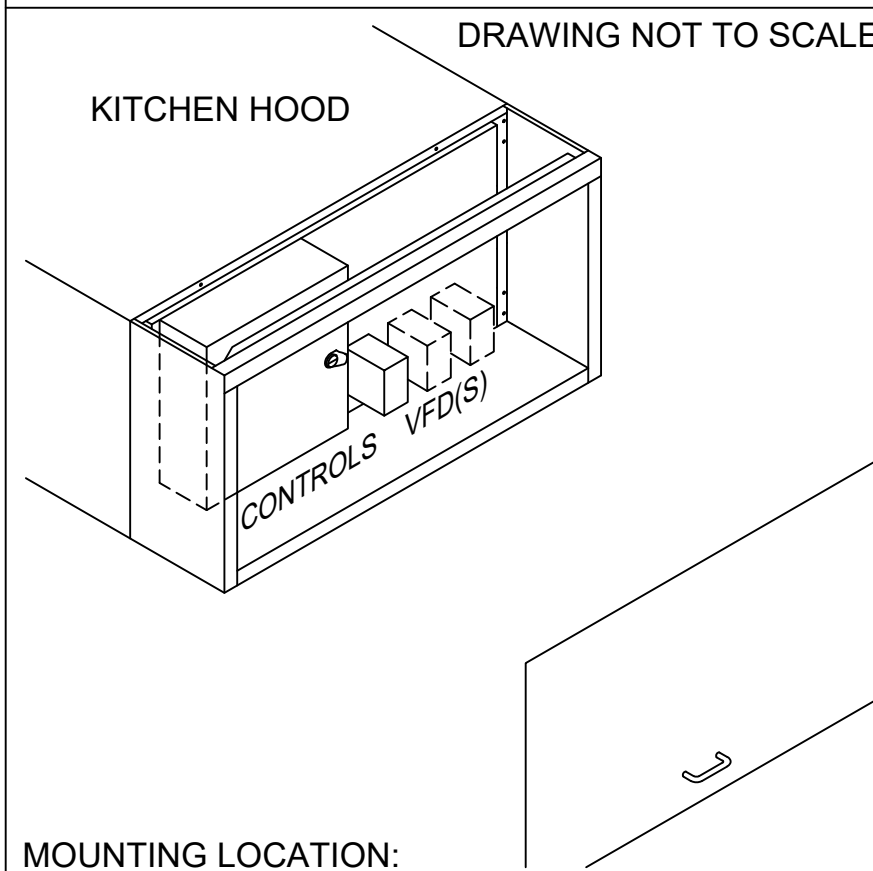
POWER WIRING FROM BREAKER
PANEL DIRECT TO FANS



CONTROL WIRING FOR KITCHEN CONTROLS
(WIRING TO BE DONE BY ELECTRICIAN, IF NO CONTROLS CONTRACTOR.
USE 18-22GA WIRE UNLESS SPECIFIED.)



CABINET DETAILS



MOUNTING LOCATION:
UTILITY CABINET ON HOOD
(INNER CONTROL BOX: 18 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

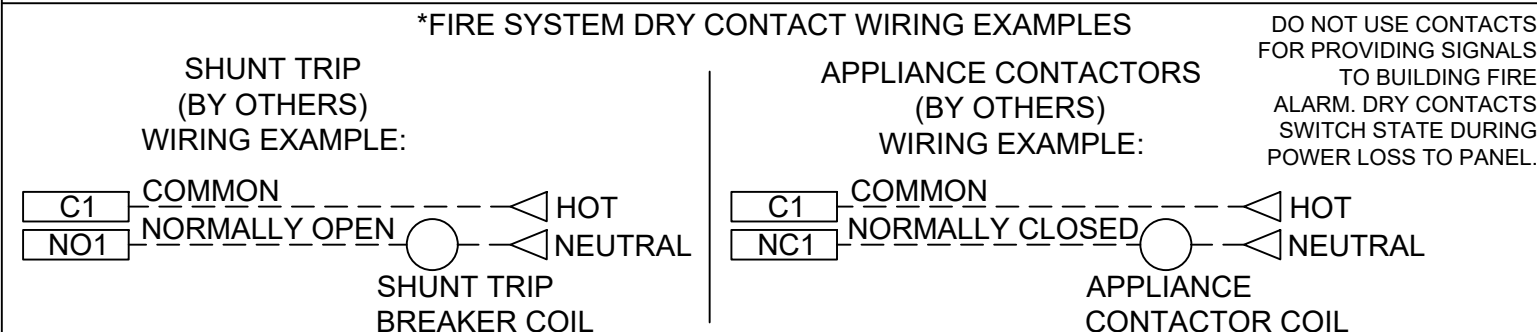
MAIN USER INTERFACE DETAILS

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

USER INTERFACE CONTROL
FANS AND LIGHTS

INTERFACE CABLE LENGTH
7FT (FACTORY PROVIDED)

<u>FACTORY SETTINGS</u>			<u>EXHAUST FAN SETTINGS</u>			<u>WIRING DIAGRAM CODE: WDC#</u>						
TYPE: VAV			SEE FAN CONFIGURATION TABLE BELOW			JOB NAME: Q39 LEE'S SUMMIT R2						
CONFIGURATION: STANDARD						MODEL: XKC-DCV-S-51-6-1-0						
ZONES: 1			SUPPLY FAN SETTINGS			SERIAL NUMBER: WDSN#						
HOODS: 6			SEE FAN CONFIGURATION TABLE BELOW			MARK: KEC-1						
EXHAUST FANS: 5			SENSOR SETTINGS			DOC NUMBER: ----						
SUPPLY FANS: 1			SEE HOOD CONFIGURATION TABLE BELOW			REV: ----						
MB ROOM SENSOR: NO			USER INTERFACE SETTINGS (MB)			PRG VERSION: V5						
MB TEMP SENSORS: 6			FAN & LIGHT BUTTONS: SHOW BOTH (SEPERATE)									
HIGH TEMP FAULT: NO			GENERAL SETTINGS									
FREEZE PROTECTION: YES			TIME ZONE: CENTRAL DAYLIGHT (DEFAULT)									
MB GAS RESET: NO												
FAN PROVING: NO			MB FIRE/FAULT SETTINGS									
BMS: NONE			EXHAUST DURING FIRE: MAX									
			SUPPLY DURING FIRE: OFF									
			LIGHTS DURING FIRE: OFF									
<u>ZONE SETTINGS</u>												
SEE ZONE CONFIGURATION TABLE BELOW												
<u>HOOD SETTINGS</u>												
SEE HOOD CONFIGURATION TABLE BELOW												
ZONE CONFIGURATION												
ZONE #		ZONE	ROOM TEMP									
1		Z1	PRESET									
HOOD CONFIGURATION												
HOOD #	HOOD	HOOD MARK		ZONE	EXH A	EXH B	SUPPLY	M6-TEMP SENSORS				
1	H1	KEH-FR SECTION 1		Z1	E1	-	S1	TS1				
2	H2	KEH-FR SECTION 2		Z1	E3	-	S1	TS2				
3	H3	KEH-FL SECTION 1		Z1	E2	-	S1	TS3				
4	H4	KEH-BL SECTION 1		Z1	E4	-	S1	TS4				
5	H5	KEH-BL SECTION 2		Z1	E5	-	S1	TS5				
6	H6	KEH-BR SECTION 1		Z1	E2	-	S1	TS6				
FAN CONFIGURATION												
FAN #	TYPE	FAN	FAN MARK	ZONE	MIN CFM	MAX CFM	MODBUS VFD	VFD ADDRESS	MIN FREQ	MAX FREQ	MIN VDC	MAX VDC
1	EXHAUST	E1	KEF-1	Z1	1017	2033	NO	-	-	-	4.5	9.0
2	EXHAUST	E2	KEF-2	Z1	2267	4534	YES	2	30	60	-	-
3	EXHAUST	E3	KEF-3	Z1	638	1275	NO	-	-	-	4.4	8.7
4	EXHAUST	E4	KEF-4	Z1	1002	2003	NO	-	-	-	4.7	9.5
5	EXHAUST	E5	KEF-5	Z1	1200	2400	NO	-	-	-	5.0	10.0
6	SUPPLY	S1	MUA-1	Z1	4468	8935	NO	-	-	-	5.0	10.0

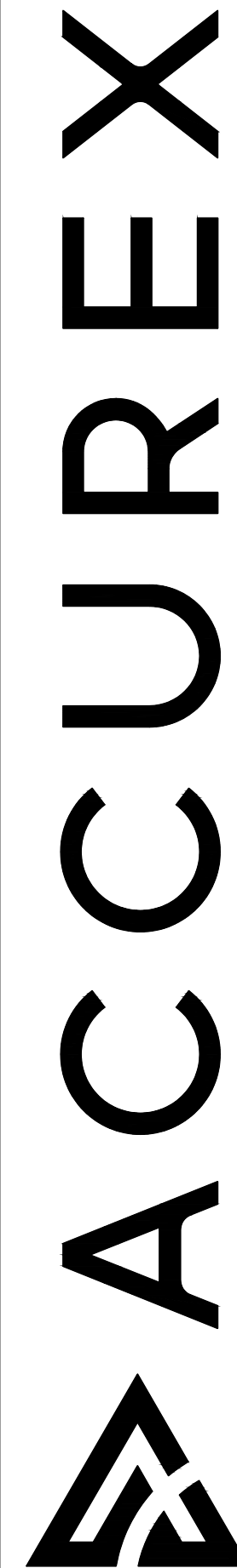


**WHEN FIRE SYSTEM IS ARMED, FS-C TO FS-NC SHOULD HAVE CONTINUITY

Q39 LEE'S SUMMIT R2

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9/25/2025

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KEC-1

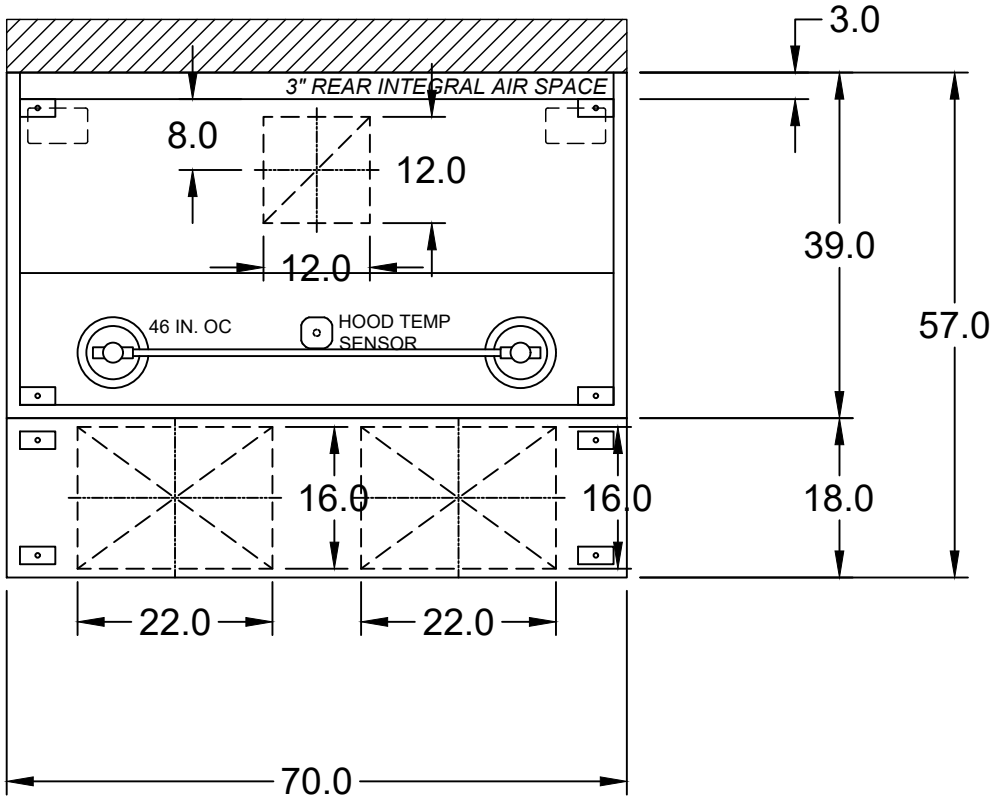


HOOD INFORMATION																	
HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	TOTAL CFM	EXHAUST					SUPPLY		HANGING WEIGHT LBS.	SECTION LOCATION
			LENGTH	WIDTH	HEIGHT				COLLAR(S)					MUA CFM	AC CFM		
									WIDTH	LENGTH	DIA.	CFM	S.P.				
1	KEH-SMOKER DOOR 2	XXEW-70-S	70	39	24	430 SS WHERE EXPOSED	EXTRA HEAVY	1575	12	12		1575	0.695	1260		232	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		CONTROLS
1	KEH-SMOKER DOOR 2	ROUND LED		2	70.13	X-TRACTOR (SPARK ARRESTOR INCL.) STAINLESS STEEL		3	16	20						
								1	20							

SUPPLY PLENUM INFORMATION																				
HOOD NO.	MARK	POS.	TYPE	SIZE (IN.)			INSULATED	DAMPER(S)	LED LIGHT(S)		TOTAL CFM	TOTAL S.P.	COLLARS							
				L	W	H			SUPPLIED	QTY			TYPE	MOUNTING	QTY	W	L	DIA.	CFM	VEL.
1	KEH-SMOKER DOOR 2	FRONT	ASP	70	18	4	NO	YES	NO		1260	0.01	MUA	LOOSE	2	16	22		630	258

HOOD OPTIONS																
UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625																
HOOD TOP INSULATED FOR ZERO CLEARANCE TO COMBUSTIBLES																
BACK INTEGRAL AIR SPACE - 3 IN WIDE																
SHIPPED LOOSE EXHAUST COLLAR(S)																
HOOD CONTAINS SOLID FUEL COOKING APPLIANCES																
PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY																
STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH																



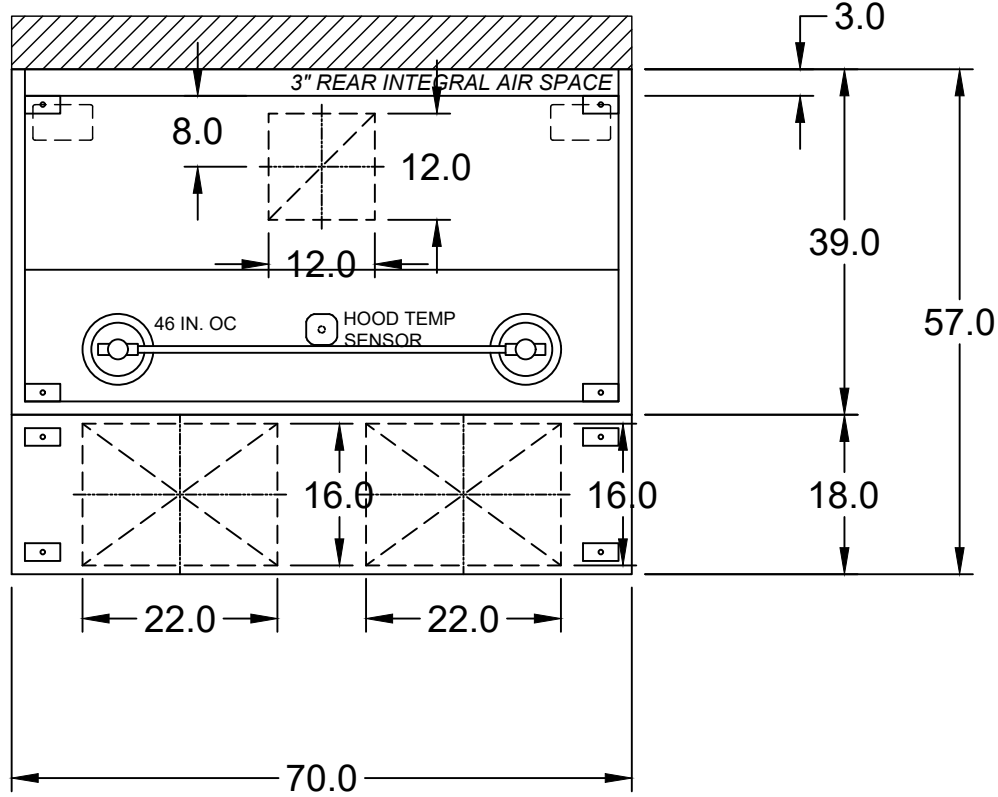
MARK: KEH-Smoker Door 2 - SECTION 1
PLAN VIEW

HOOD INFORMATION																	
HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	TOTAL CFM	EXHAUST					SUPPLY		HANGING WEIGHT LBS.	SECTION LOCATION
			LENGTH	WIDTH	HEIGHT				COLLAR(S)					MUA CFM	AC CFM		
									WIDTH	LENGTH	DIA.	CFM	S.P.				
1	KEH-SMOKER DOOR 1	XXEW-70-S	70	39	24	430 SS WHERE EXPOSED	EXTRA HEAVY	1575	12	12		1575	0.695	1260		232	SINGLE

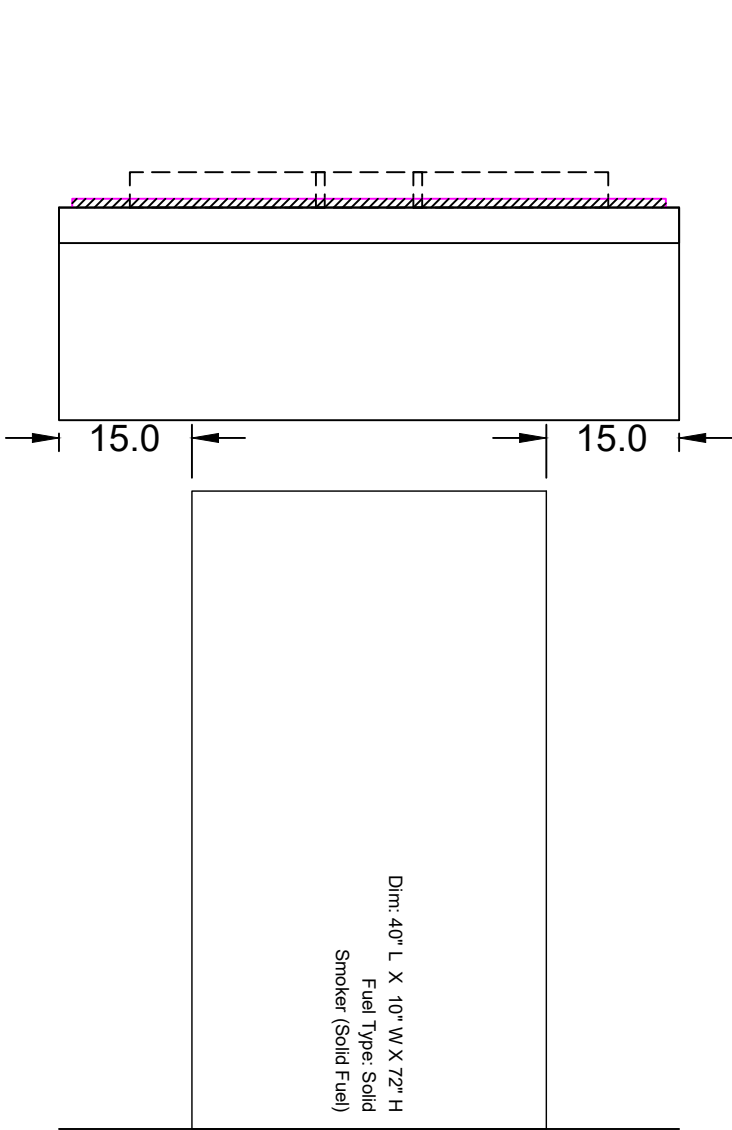
HOOD INFORMATION																
HOOD NO.	MARK	LIGHTING DETAILS			GREASE FILTRATION DETAILS			UTILITY CABINET(S)								
		FIXTURE TYPE BULB / LAMP INFO		QTY	FOOT CANDLES	TYPE / MODEL MATERIAL		QTY	SIZE (IN.)		L	H	LOCATION	FIRE SYSTEM		CONTROLS
1	KEH-SMOKER DOOR 1	ROUND LED		2	70.13	X-TRACTOR (SPARK ARRESTOR INCL.) STAINLESS STEEL		3	16	20						
								1	20							

SUPPLY PLENUM INFORMATION																				
HOOD NO.	MARK	POS.	TYPE	SIZE (IN.)			INSULATED	DAMPER(S)	LED LIGHT(S)		TOTAL CFM	TOTAL S.P.	COLLARS							
				L	W	H			SUPPLIED	QTY			TYPE	MOUNTING	QTY	W	L	DIA.	CFM	VEL.
1	KEH-SMOKER DOOR 1	FRONT	ASP	70	18	4	NO	YES	NO		1260	0.01	MUA	LOOSE	2	16	22		630	258

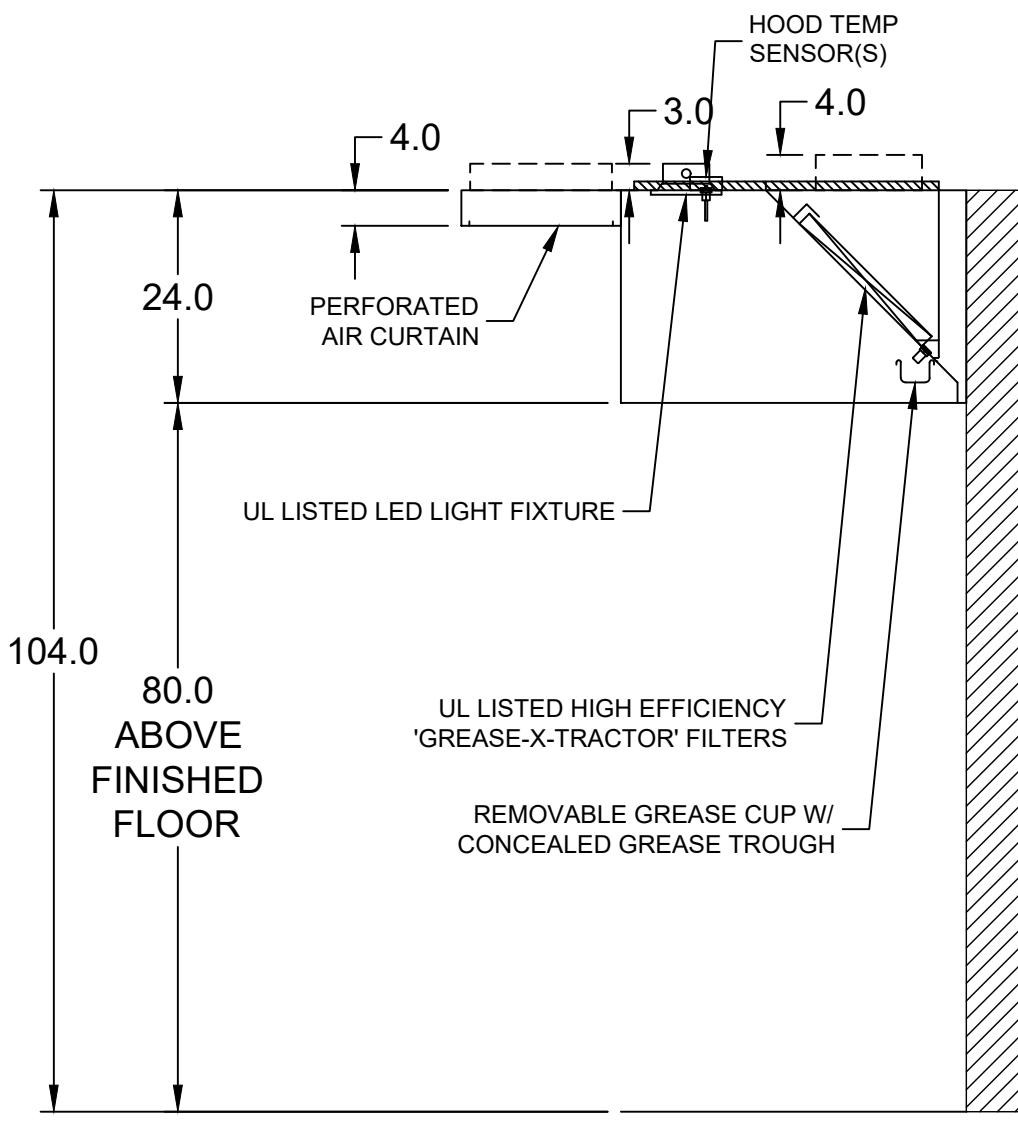
HOOD OPTIONS																
UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625																
HOOD TOP INSULATED FOR ZERO CLEARANCE TO COMBUSTIBLES																
BACK INTEGRAL AIR SPACE - 3 IN WIDE																
SHIPPED LOOSE EXHAUST COLLAR(S)																
HOOD CONTAINS SOLID FUEL COOKING APPLIANCES																
PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY																
STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH																



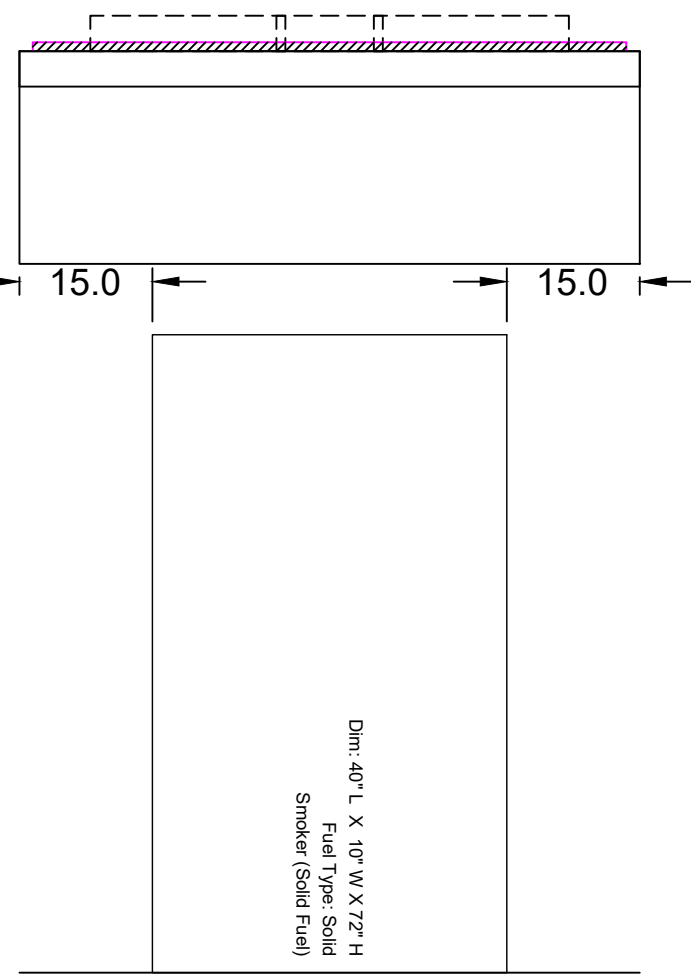
MARK: KEH-Smoker Door 1 - SECTION 1
PLAN VIEW



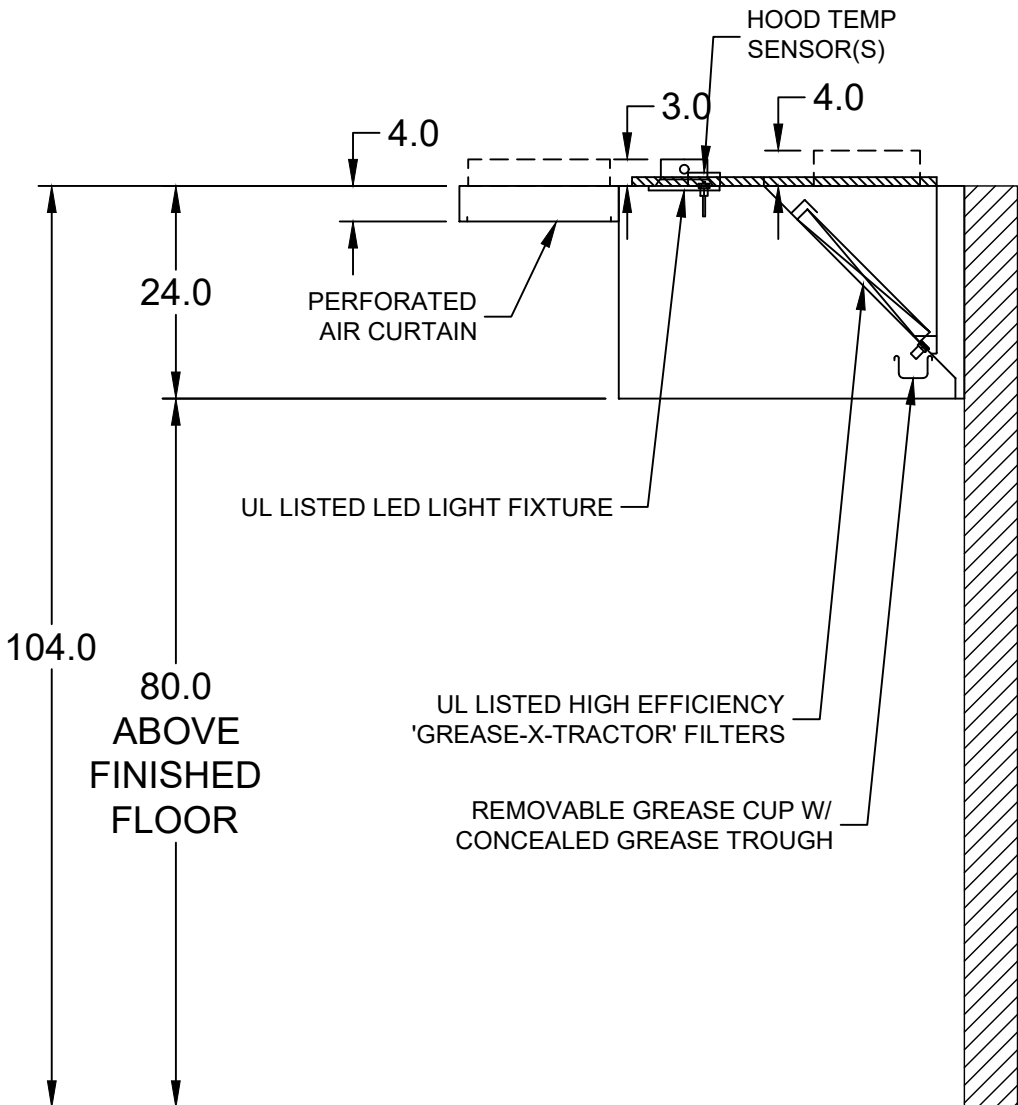
MARK: KEH-Smoker Door 2 - SECTION 1
ELEVATION VIEW



MARK: KEH-Smoker Door 2
SECTION VIEW



MARK: KEH-Smoker Door 1 - SECTION 1
ELEVATION VIEW



MARK: KEH-Smoker Door 1
SECTION VIEW

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.																

SUPPLY PLENUM HANGER BRACKET DETAIL																

HOOD HANGER BRACKET DETAIL																

SHIPPED LOOSE DUCT COLLAR INST. DETAIL																

ZERO CLEARANCE TO HOOD TOP																

ROUND LED LIGHT DETAIL																

HOOD INFORMATION																	
HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	EXHAUST						SUPPLY		HANGING WEIGHT LBS.	SECTION LOCATION
			LENGTH	WIDTH	HEIGHT			TOTAL CFM	COLLAR(S)					MUA CFM	AC CFM		
									WIDTH	LENGTH	DIA.	CFM	S.P.				
1	KEH-SMOKER DOOR 4	XXEW-70-S	70	39	24	430 SS WHERE EXPOSED	EXTRA HEAVY	1575	12	12		1575	0.695	1220		232	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.)		LOCATION	FIRE SYSTEM		CONTROLS			
								L	H		TYPE	SIZE	MODEL	INTERFACE		
1	KEH-SMOKER DOOR 4	ROUND LED		2	70.13	X-TRACTOR (SPARK ARRESTOR INCL.) STAINLESS STEEL	3	16	20							
							1	20								

SUPPLY PLENUM INFORMATION																				
HOOD NO.	MARK	POS.	TYPE	SIZE (IN.)			INSULATED	DAMPER(S)	LED LIGHT(S)		TOTAL CFM	TOTAL S.P.	COLLARS							
				L	W	H			SUPPLIED	QTY			TYPE	MOUNTING	QTY	W	L	DIA.	CFM	VEL.
1	KEH-SMOKER DOOR 4	FRONT	ASP	70	18	4	NO	YES	NO		1220	0.01	MUA	LOOSE	2	16	22		610	250

HOOD OPTIONS

UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625

HOOD TOP INSULATED FOR ZERO CLEARANCE TO COMBUSTIBLES

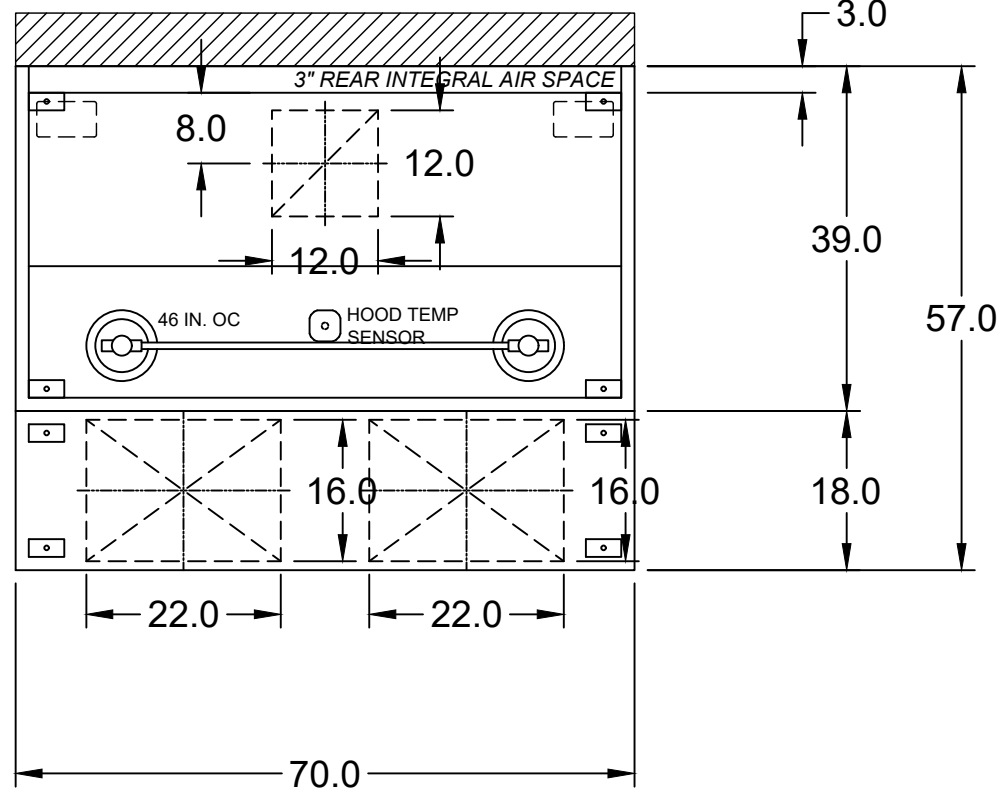
BACK INTEGRAL AIR SPACE - 3 IN WIDE

SHIPPED LOOSE EXHAUST COLLAR(S)

HOOD CONTAINS SOLID FUEL COOKING APPLIANCES

PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY

STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH



MARK: KEH-Smoker Door 4 - SECTION 1
PLAN VIEW

HOOD INFORMATION																	
HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	TOTAL CFM	EXHAUST					SUPPLY		HANGING WEIGHT LBS.	SECTION LOCATION
			LENGTH	WIDTH	HEIGHT				COLLAR(S)					MUA CFM	AC CFM		
									WIDTH	LENGTH	DIA.	CFM	S.P.				
1	KEH-SMOKER DOOR 3	XXEW-70-S	70	39	24	430 SS WHERE EXPOSED	EXTRA HEAVY	1575			12	1575	0.879	1260		232	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.)		LOCATION	FIRE SYSTEM		CONTROLS			
								L	H		TYPE	SIZE	MODEL	INTERFACE		
1	KEH-SMOKER DOOR 3	ROUND LED		2	70.13	X-TRACTOR (SPARK ARRESTOR INCL.) STAINLESS STEEL	3	16	20							
							1	20								

SUPPLY PLENUM INFORMATION																				
HOOD NO.	MARK	POS.	TYPE	SIZE (IN.)			INSULATED	DAMPER(S)	LED LIGHT(S)		TOTAL CFM	TOTAL S.P.	COLLARS							
				L	W	H			SUPPLIED	QTY			TYPE	MOUNTING	QTY	W	L	DIA.	CFM	VEL.
1	KEH-SMOKER DOOR 3	FRONT	ASP	70	18	4	NO	YES	NO		1260	0.01	MUA	LOOSE	2	16	22		630	258

HOOD OPTIONS

UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625

HOOD TOP INSULATED FOR ZERO CLEARANCE TO COMBUSTIBLES

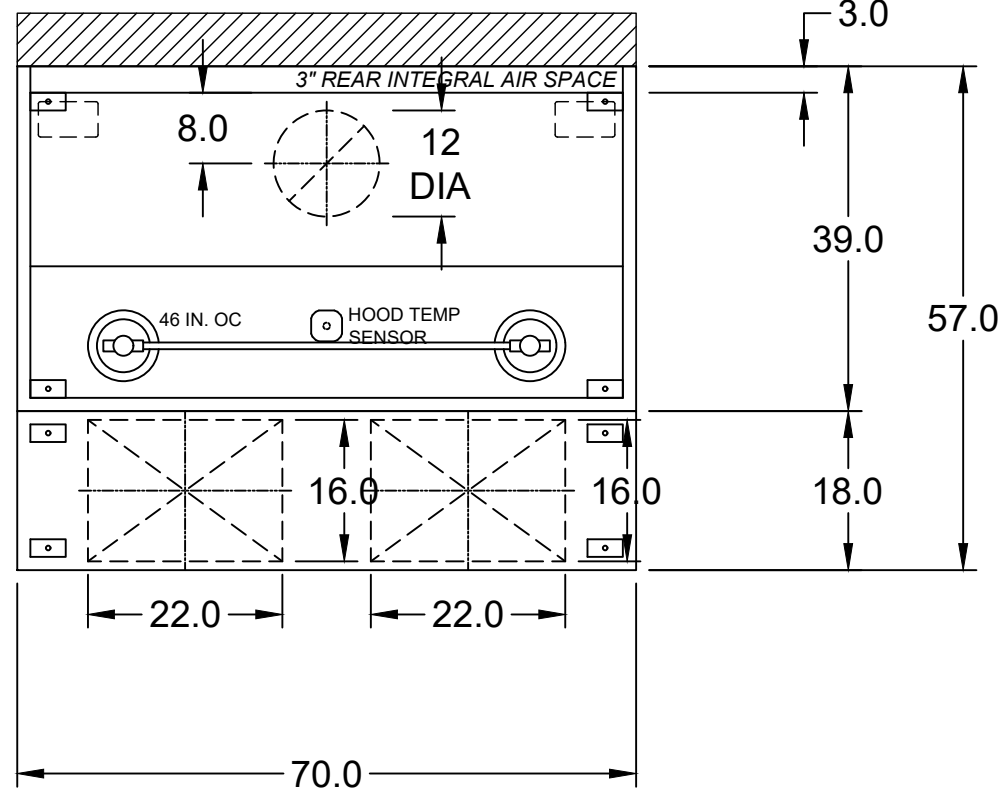
BACK INTEGRAL AIR SPACE - 3 IN WIDE

SHIPPED LOOSE EXHAUST COLLAR(S)

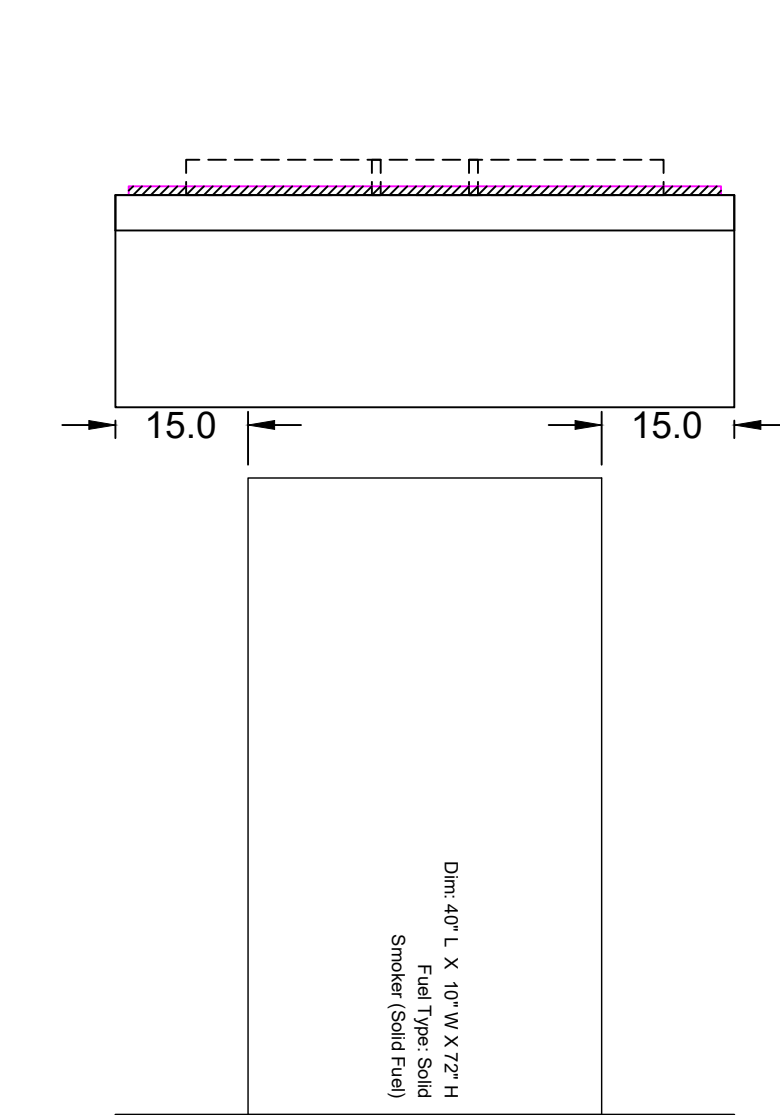
HOOD CONTAINS SOLID FUEL COOKING APPLIANCES

PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY

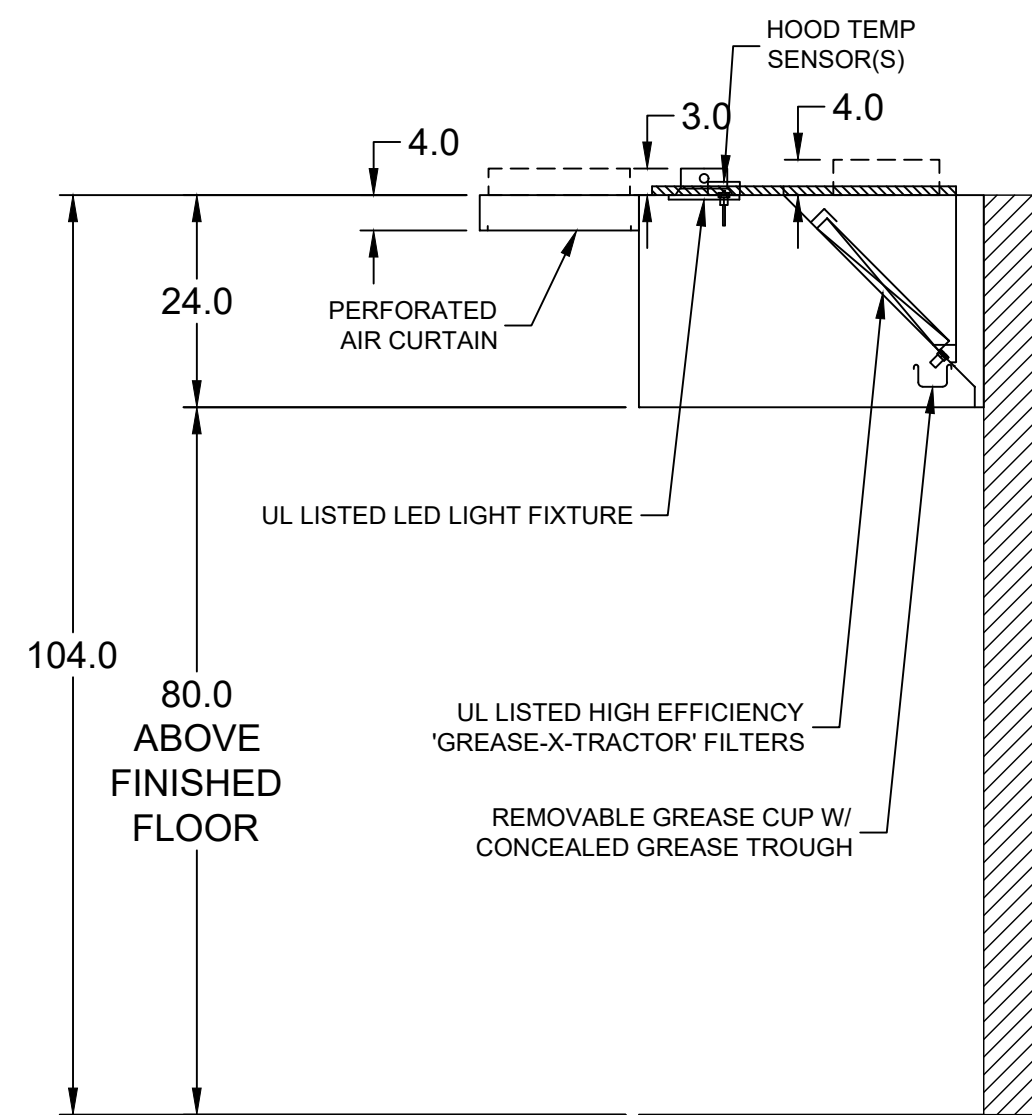
STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH



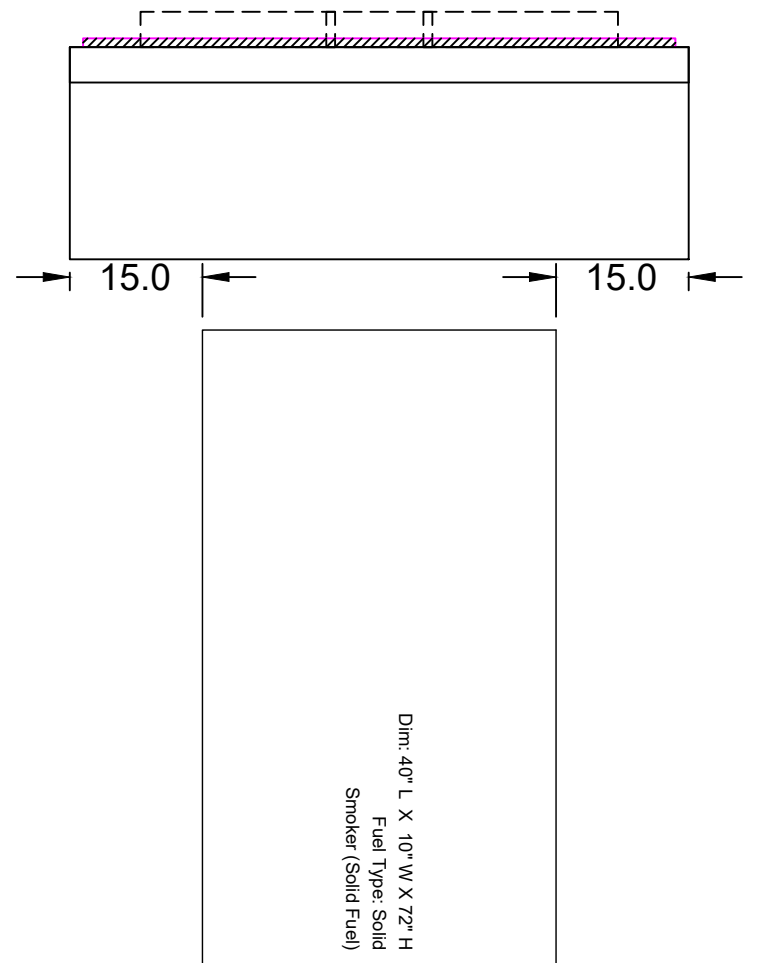
MARK: KEH-Smoker Door 3 - SECTION 1
PLAN VIEW



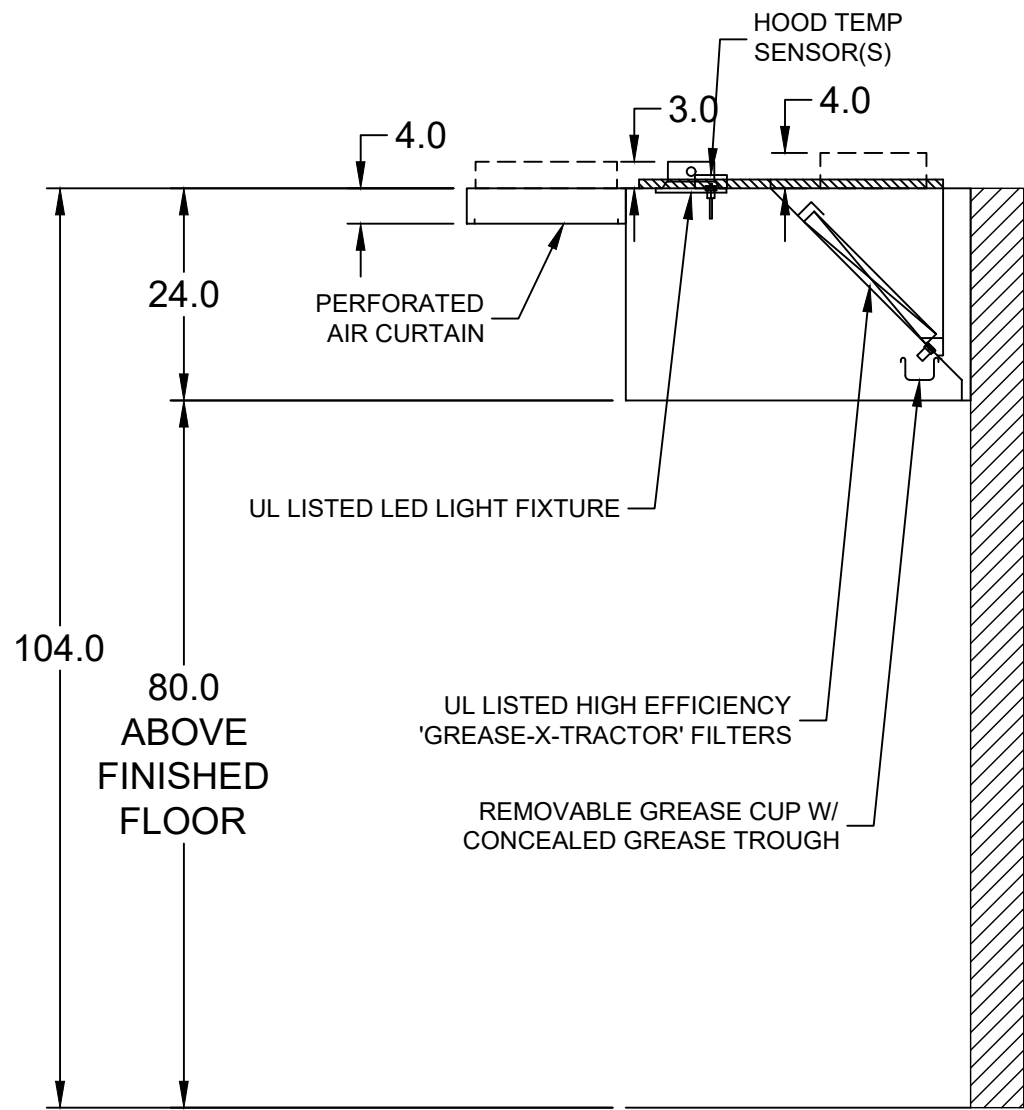
MARK: KEH-Smoker Door 4 - SECTION 1
ELEVATION VIEW



MARK: KEH-Smoker Door 4
SECTION VIEW



MARK: KEH-Smoker Door 3 - SECTION 1
ELEVATION VIEW



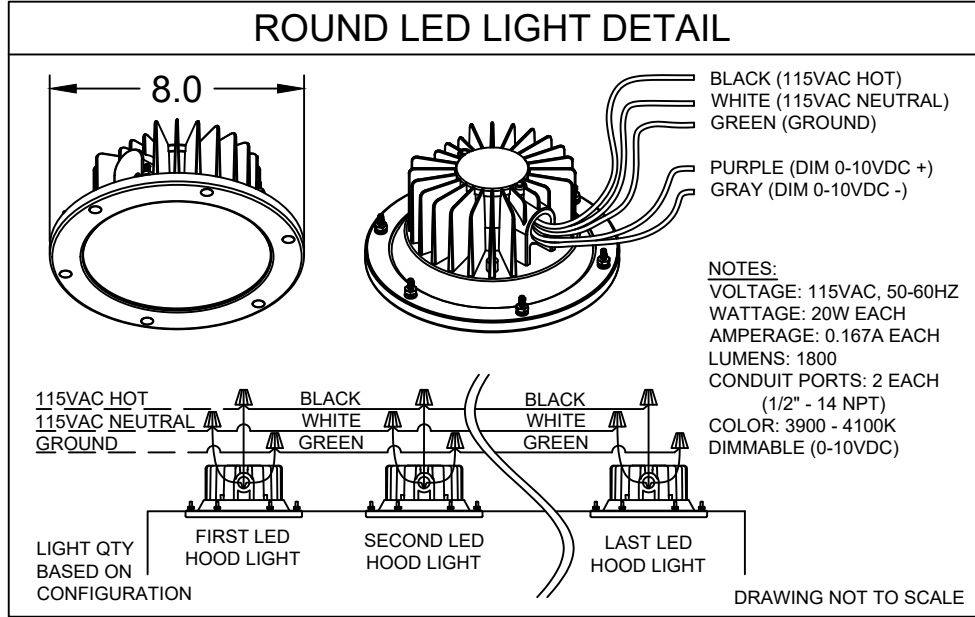
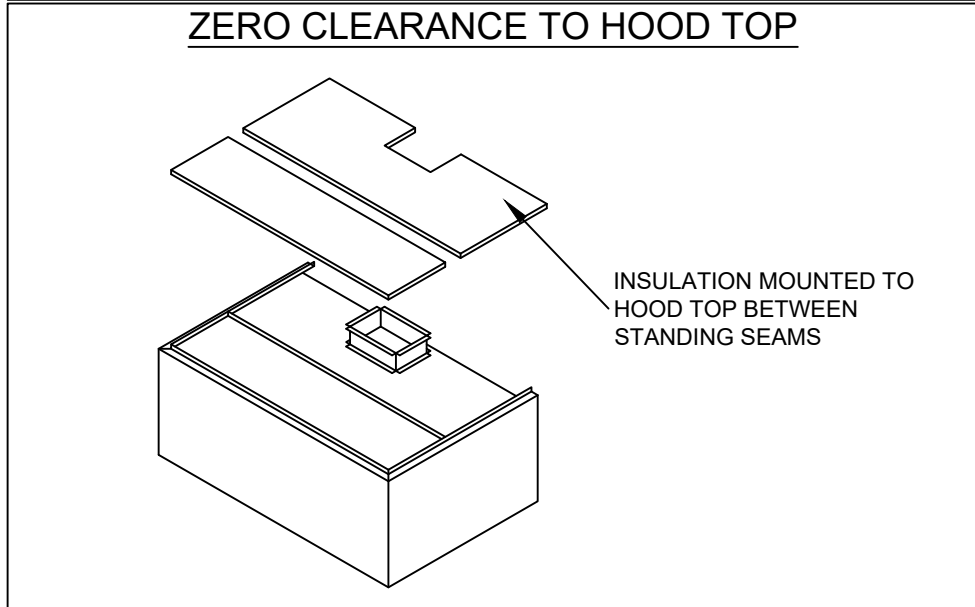
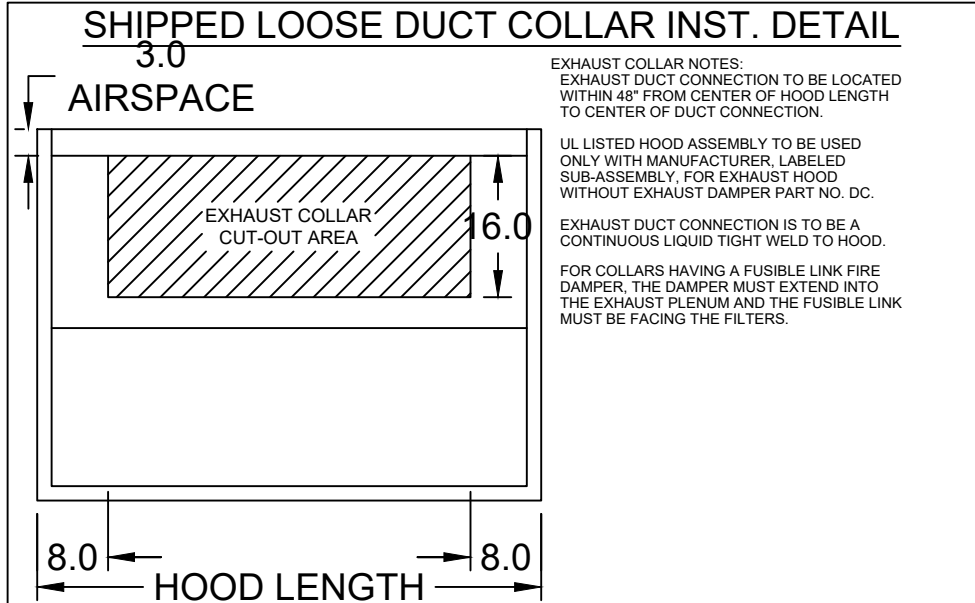
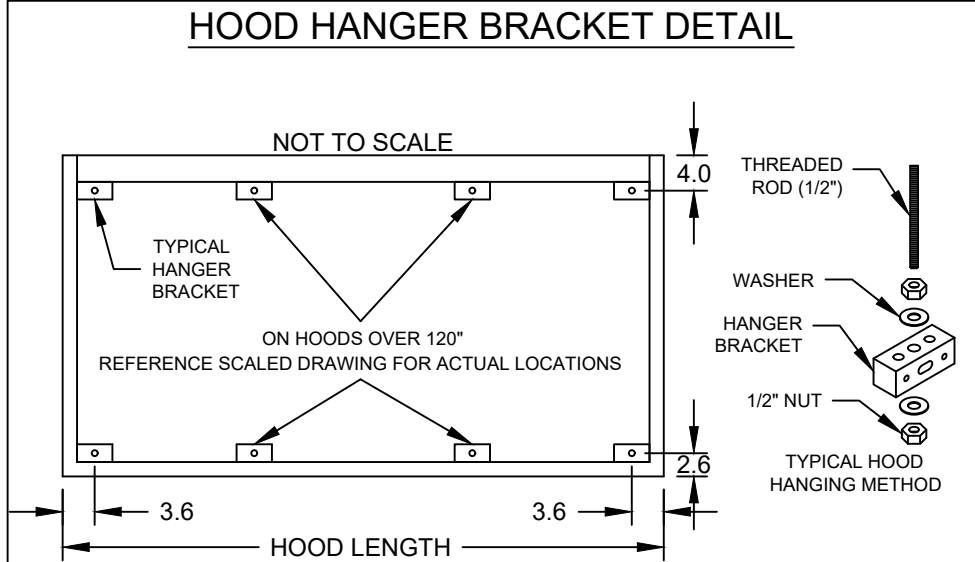
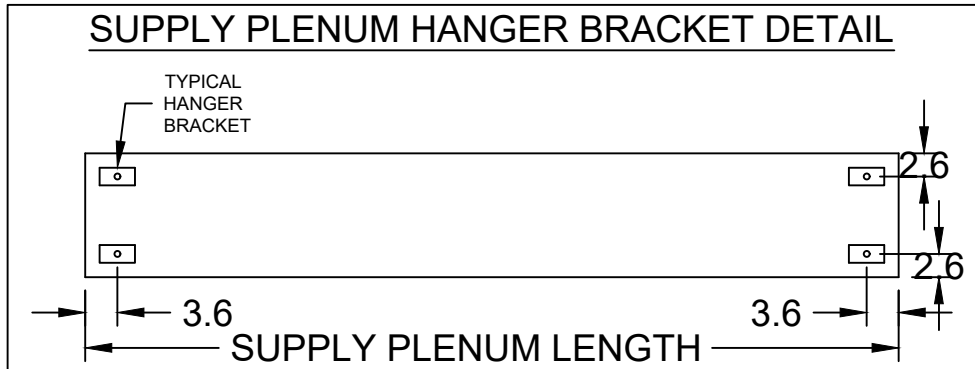
MARK: KEH-Smoker Door 3
SECTION VIEW

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
9/25/2025

ACCUREX KS NE WESTERN MO
BENJAMIN OBRIEN
BENJAMIN.OBRIEN@ACCUREX.COM
(417)920-5245

Q39 LEE'S SUMMIT R2

MARK

KEH-SMOKER DOOR 3 & KEH-SMOKER DOOR 4



Direct Drive Upblast Centrifugal Roof Exhaust Fan

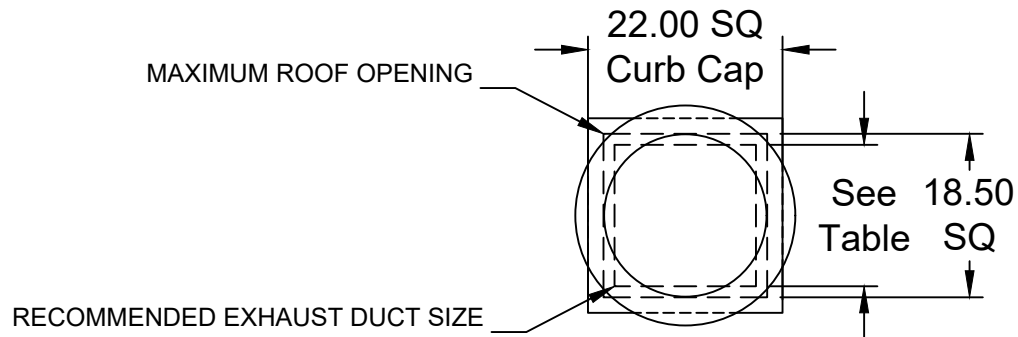
MARK INFORMATION		FAN INFORMATION									SOUND INFORMATION					MOTOR INFORMATION								
MARK	QTY	MODEL	DRIVE TYPE	VOLUME (CFM)	EXTERNAL SP (IN. WG)	TOTAL EXTERNAL SP (IN. WG)	FAN SPEED (RPM)	OUTLET VELOCITY (FT/MIN)	FEI	TOTAL WEIGHT (LB)	INLET dBA	INLET SONES	INLET SONES (SPHERICAL)	OUTLET dBA	OUTLET SONES	OPERATING POWER (HP)	MOTOR SIZE (HP)	FEP INPUT POWER (KW)	ENCLOSURE	VOLTAGE	CYCLE	PHASE	EC MOTOR	NEC FLA*
KEF-6	1	XCUE-130-VG	Direct	1,575	1.379	1.321	1,725	1,204.46	0	78.6	65.71	14.76	0	0	0	0.57	0.75	0	OP	277	60	1	VariGreen	5.7

*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"

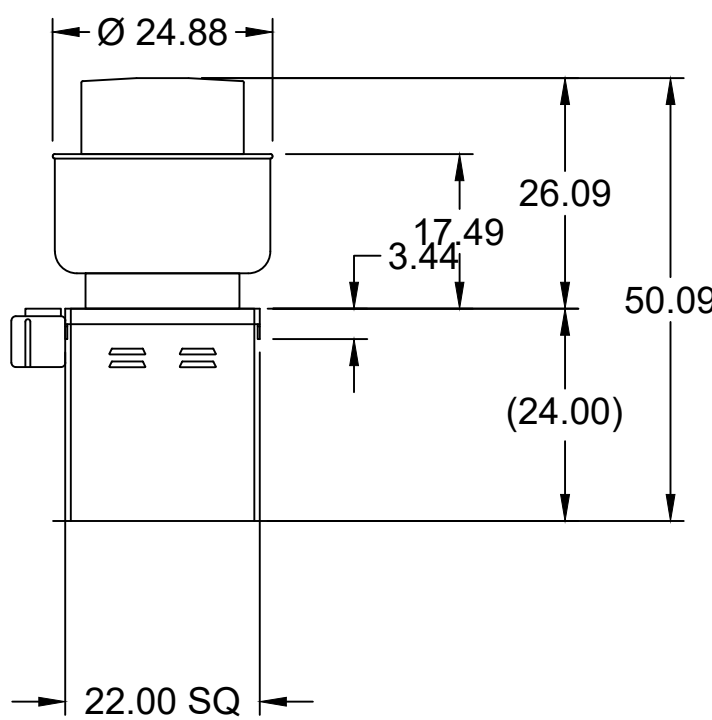
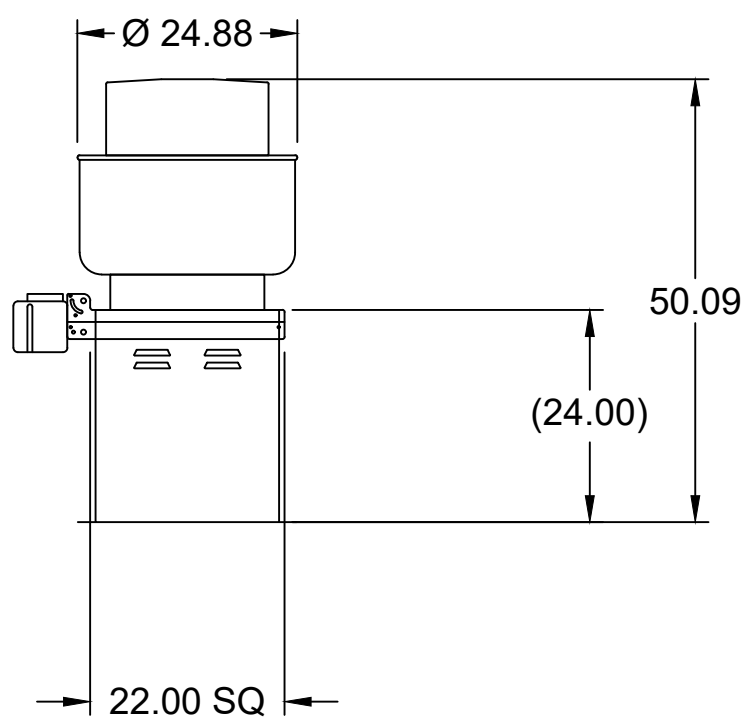
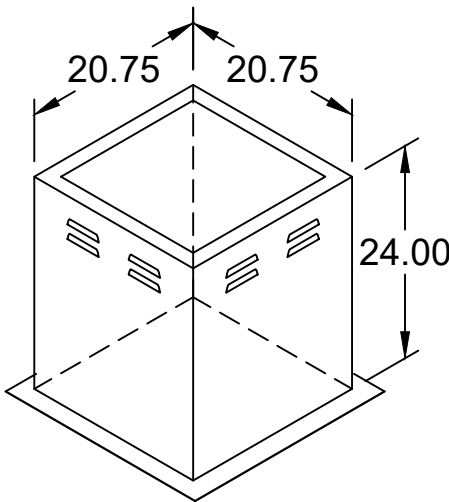
KEF-Smoker Door 1 : SELECTED OPTIONS AND ACCESSORIES
One piece fully welded windband Tapered bushing wheel hub Breather tube outlet area min. 4.4 sq. in. (sizes 99-480), 2.0 sq. in. (sizes 60-95) Min. windband material thickness: 0.051" aluminum (060-240), 0.064" aluminum (240HP, 240XP), 0.080" aluminum (sizes 300-480) Curb Cap Size - 22 Square UL/cUL 705 Listed - Supplement SC - "Power Ventilators for Restaurant Exh. Appliances" (Formerly UL 762) Switch, NEMA-3R, Toggle, Hinge, Factory Installed High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached) Grease Trap (PN 475538) Aluminum Wheel Material

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.



DUCT TYPE	SIZE
STANDARD	16 SQ
FIRE-WRAPPED	8 SQ



Direct Drive Upblast Centrifugal Roof Exhaust Fan

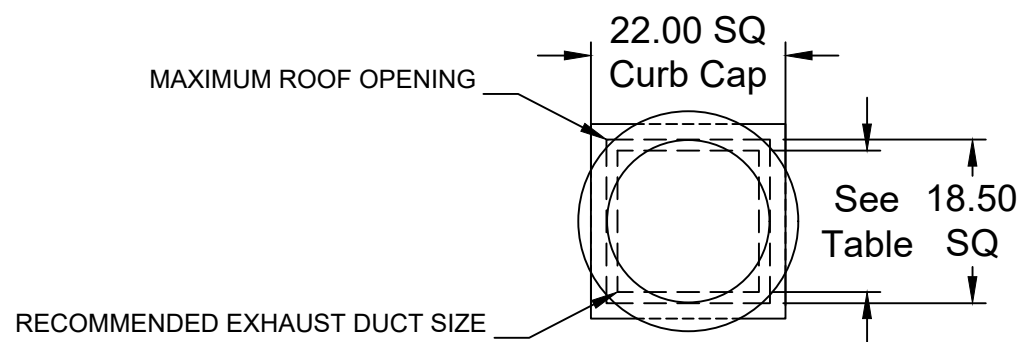
MARK INFORMATION		FAN INFORMATION									SOUND INFORMATION					MOTOR INFORMATION								
MARK	QTY	MODEL	DRIVE TYPE	VOLUME (CFM)	EXTERNAL SP (IN. WG)	TOTAL EXTERNAL SP (IN. WG)	FAN SPEED (RPM)	OUTLET VELOCITY (FT/MIN)	FEI	TOTAL WEIGHT (LB)	INLET dBA	INLET SONES	INLET SONES (SPHERICAL)	OUTLET dBA	OUTLET SONES	OPERATING POWER (HP)	MOTOR SIZE (HP)	FEP INPUT POWER (KW)	ENCLOSURE	VOLTAGE	CYCLE	PHASE	EC MOTOR	NEC FLA*
KEF-7	1	XCUE-130-VG	Direct	1,575	1.379	1.321	1,725	1,204.46	0	78.6	65.71	14.76	0	0	0	0.57	0.75	0	OP	277	60	1	VariGreen	5.7

*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"

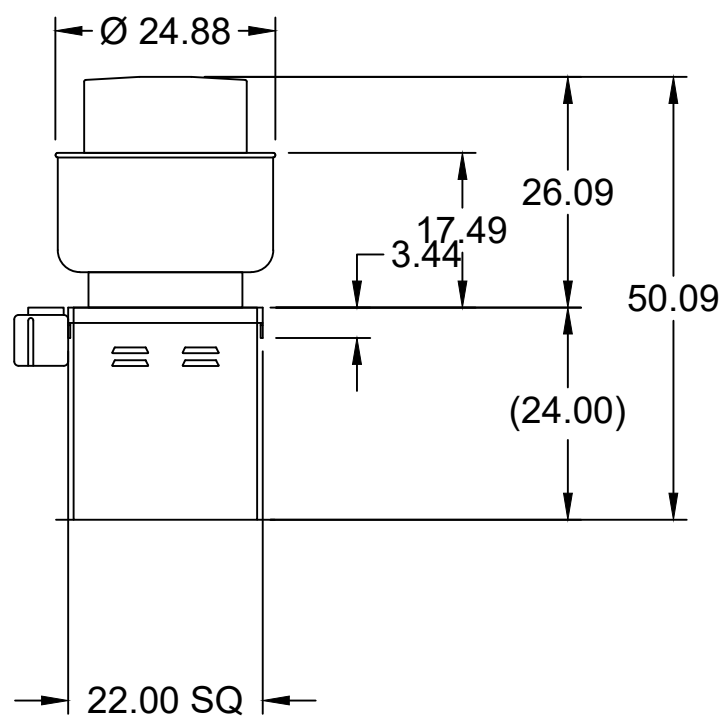
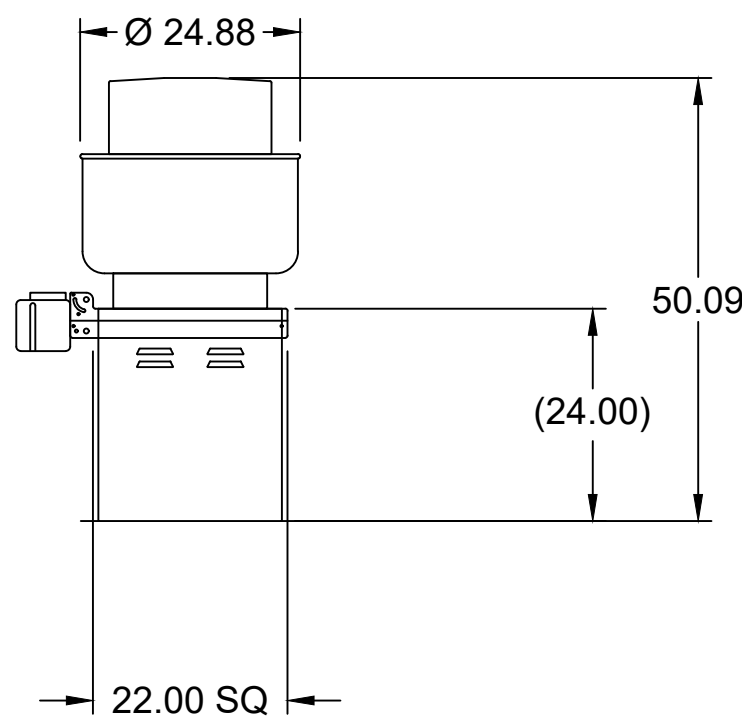
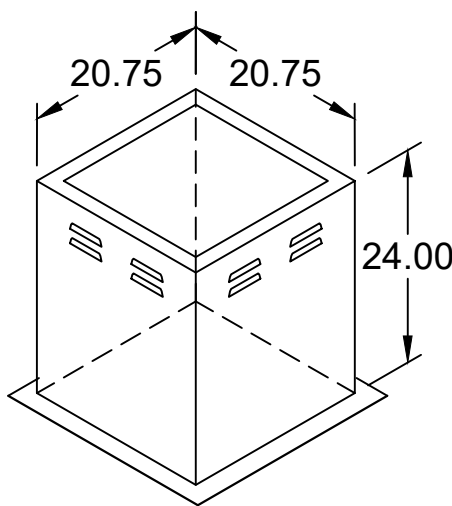
KEF-Smoker Door 2 : SELECTED OPTIONS AND ACCESSORIES
One piece fully welded windband Tapered bushing wheel hub Breather tube outlet area min. 4.4 sq. in. (sizes 99-480), 2.0 sq. in. (sizes 60-95) Min. windband material thickness: 0.051" aluminum (060-240), 0.064" aluminum (240HP, 240XP), 0.080" aluminum (sizes 300-480) Curb Cap Size - 22 Square UL/cUL 705 Listed - Supplement SC - "Power Ventilators for Restaurant Exh. Appliances" (Formerly UL 762) Switch, NEMA-3R, Toggle, Hinge, Factory Installed High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached) Grease Trap (PN 475538) Aluminum Wheel Material

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.



DUCT TYPE	SIZE
STANDARD	16 SQ
FIRE-WRAPPED	8 SQ



Direct Drive Upblast Centrifugal Roof Exhaust Fan

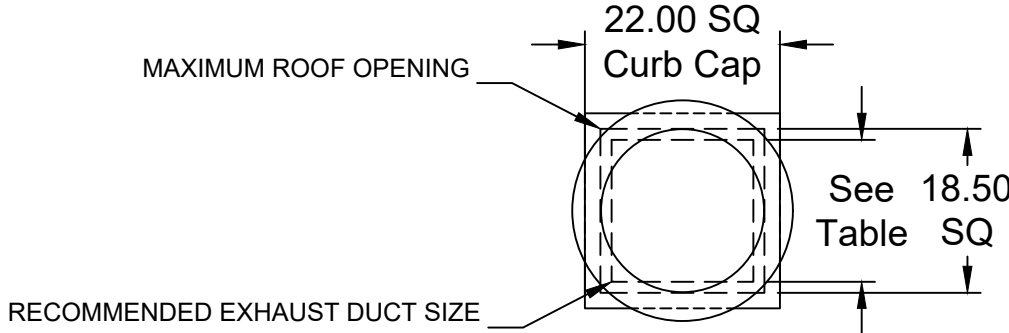
MARK INFORMATION		FAN INFORMATION									SOUND INFORMATION					MOTOR INFORMATION								
MARK	QTY	MODEL	DRIVE TYPE	VOLUME (CFM)	EXTERNAL SP (IN. WG)	TOTAL EXTERNAL SP (IN. WG)	FAN SPEED (RPM)	OUTLET VELOCITY (FT/MIN)	FEI	TOTAL WEIGHT (LB)	INLET dBA	INLET SONES	INLET SONES (SPHERICAL)	OUTLET dBA	OUTLET SONES	OPERATING POWER (HP)	MOTOR SIZE (HP)	FEP INPUT POWER (KW)	ENCLOSURE	VOLTAGE	CYCLE	PHASE	EC MOTOR	NEC FLA*
KEF-9	1	XCUE-130-VG	Direct	1,575	1.379	1.321	1,725	1,204.46	0	78.6	65.71	14.76	0	0	0	0.57	0.75	0	OP	277	60	1	VariGreen	5.7

*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"

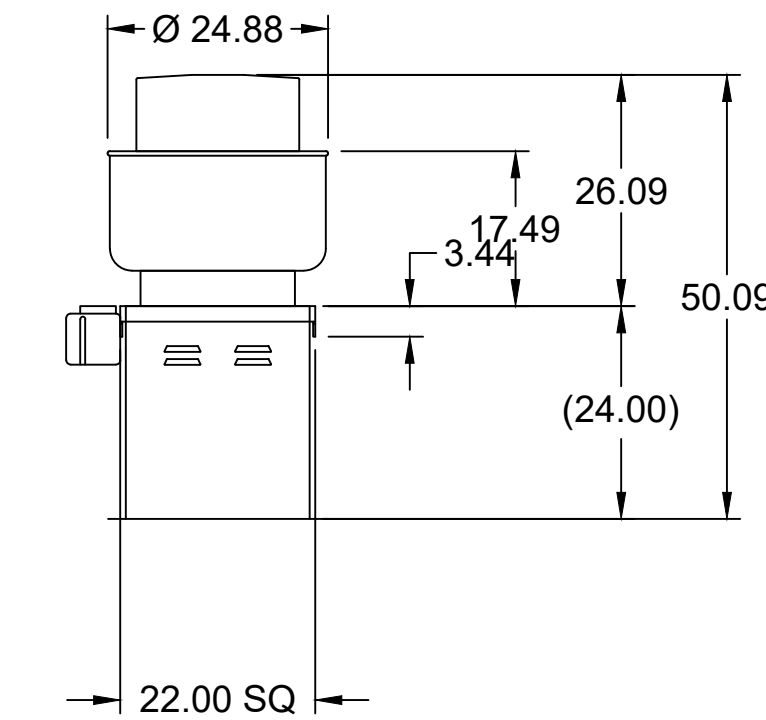
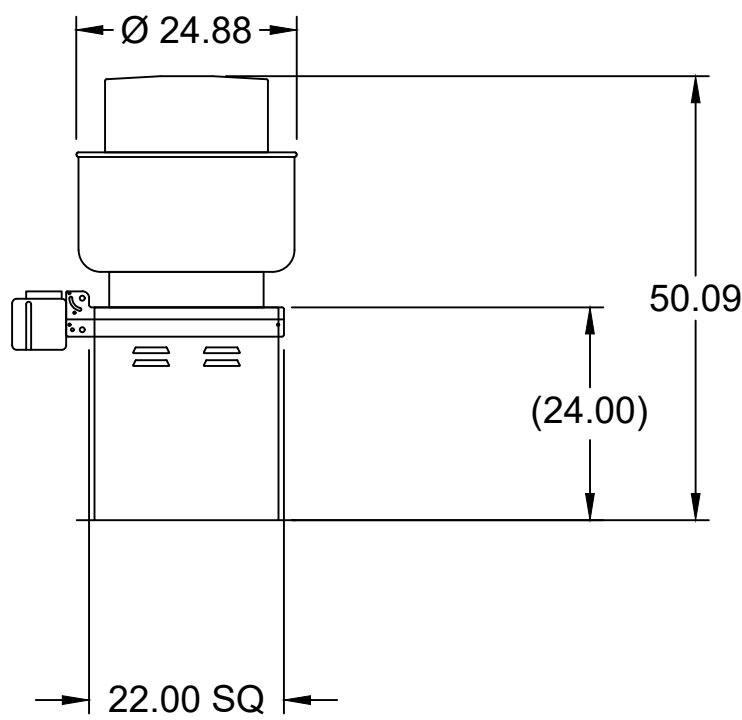
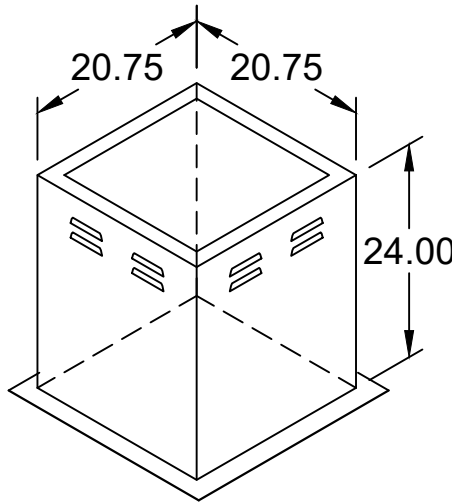
KEF-Smoker Door 4 : SELECTED OPTIONS AND ACCESSORIES
One piece fully welded windband
Tapered bushing wheel hub
Breather tube outlet area min. 4.4 sq. in. (sizes 99-480), 2.0 sq. in. (sizes 60-95)
Min. windband material thickness: 0.051" aluminum (060-240), 0.064" aluminum (240HP, 240XP), 0.080" aluminum (sizes 300-480)
Curb Cap Size - 22 Square
UL/cUL 705 Listed - Supplement SC - "Power Ventilators for Restaurant Exh. Appliances" (Formerly UL 762)
Switch, NEMA-3R, Toggle,
Hinge, Factory Installed
High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached)
Grease Trap (PN 475538)
Aluminum Wheel Material

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.



DUCT TYPE	SIZE
STANDARD	16 SQ
FIRE-WRAPPED	8 SQ



Direct Drive Upblast Centrifugal Roof Exhaust Fan

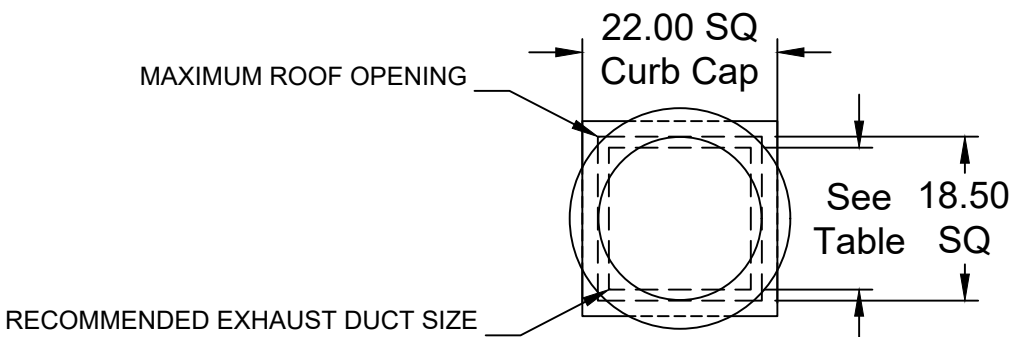
MARK INFORMATION		FAN INFORMATION									SOUND INFORMATION					MOTOR INFORMATION								
MARK	QTY	MODEL	DRIVE TYPE	VOLUME (CFM)	EXTERNAL SP (IN. WG)	TOTAL EXTERNAL SP (IN. WG)	FAN SPEED (RPM)	OUTLET VELOCITY (FT/MIN)	FEI	TOTAL WEIGHT (LB)	INLET dBA	INLET SONES	INLET SONES (SPHERICAL)	OUTLET dBA	OUTLET SONES	OPERATING POWER (HP)	MOTOR SIZE (HP)	FEP INPUT POWER (KW)	ENCLOSURE	VOLTAGE	CYCLE	PHASE	EC MOTOR	NEC FLA*
KEF-8	1	XCUE-130-VG	Direct	1,575	1.379	1.321	1,725	1,204.46	0	78.6	65.71	14.76	0	0	0	0.57	0.75	0	OP	277	60	1	VariGreen	5.7

*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"

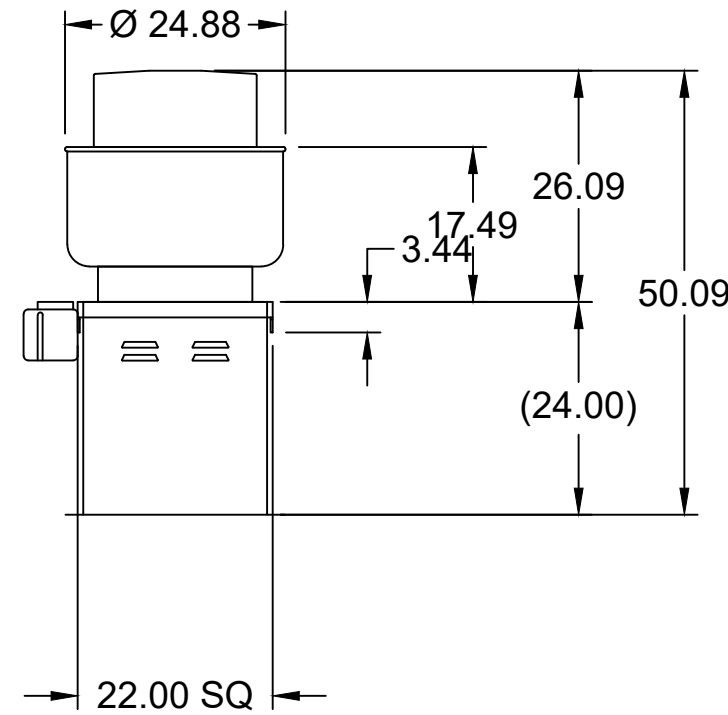
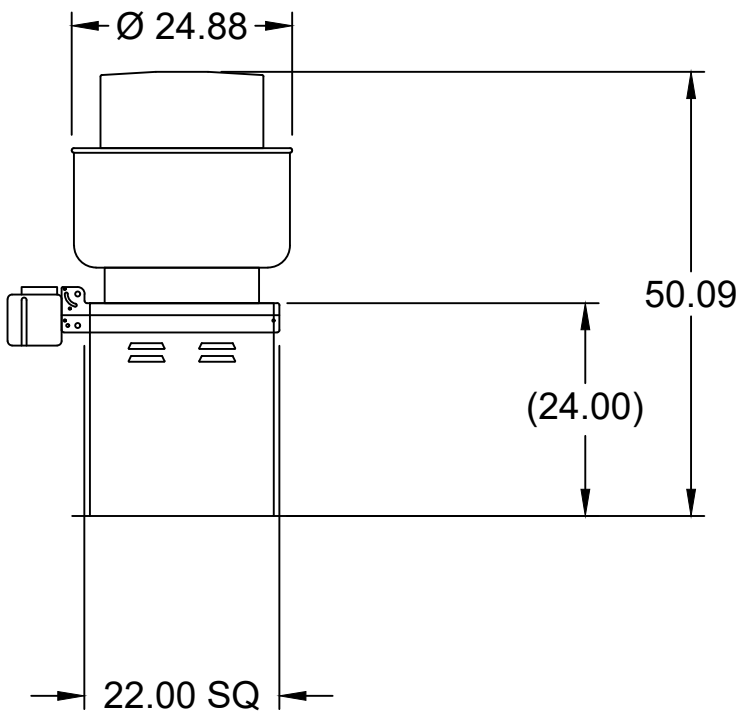
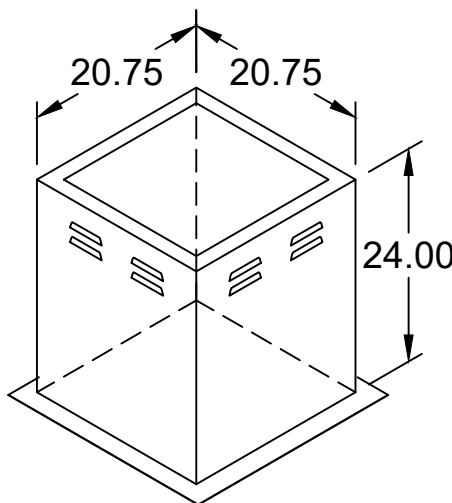
KEF-Smoker Door 3 : SELECTED OPTIONS AND ACCESSORIES
One piece fully welded windband
Tapered bushing wheel hub
Breather tube outlet area min. 4.4 sq. in. (sizes 99-480), 2.0 sq. in. (sizes 60-95)
Min. windband material thickness: 0.051" aluminum (060-240), 0.064" aluminum (240HP, 240XP), 0.080" aluminum (sizes 300-480)
Curb Cap Size - 22 Square
UL/cUL 705 Listed - Supplement SC - "Power Ventilators for Restaurant Exh. Appliances" (Formerly UL 762)
Switch, NEMA-3R, Toggle,
Hinge, Factory Installed
High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached)
Grease Trap (PN 475538)
Aluminum Wheel Material

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

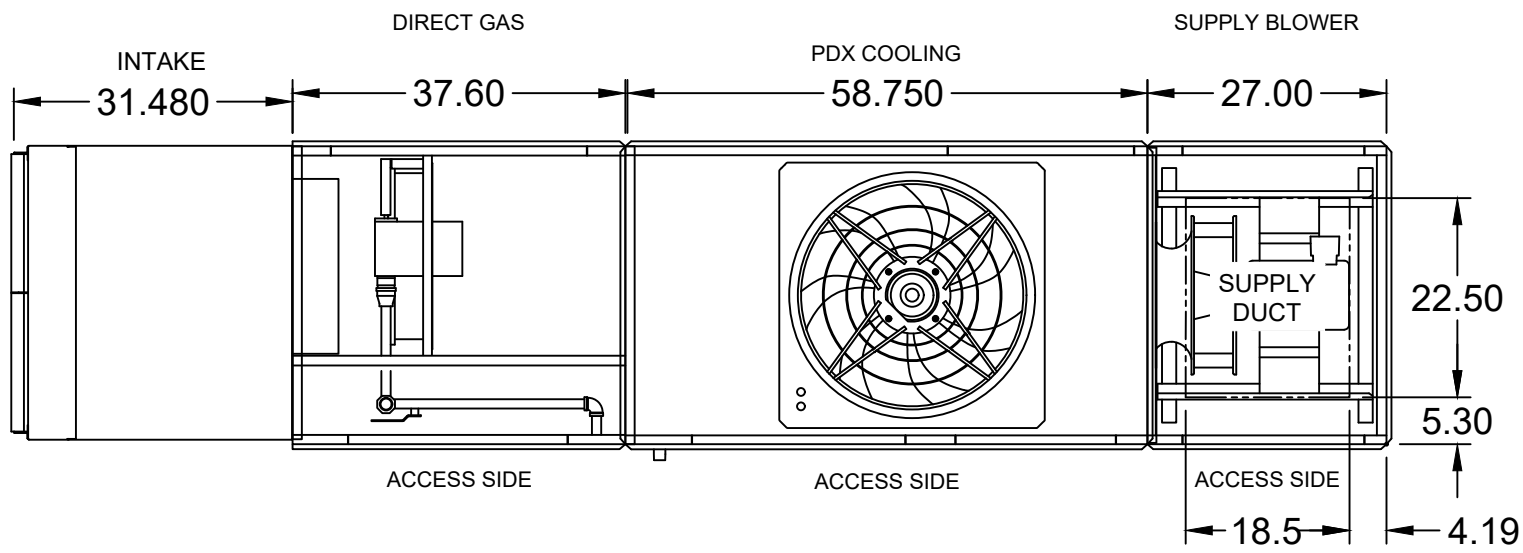
OVERALL HEIGHT MAY BE GREATER DEPENDING ON
MOTOR, ADAPTER, AND/OR HINGE BASE.



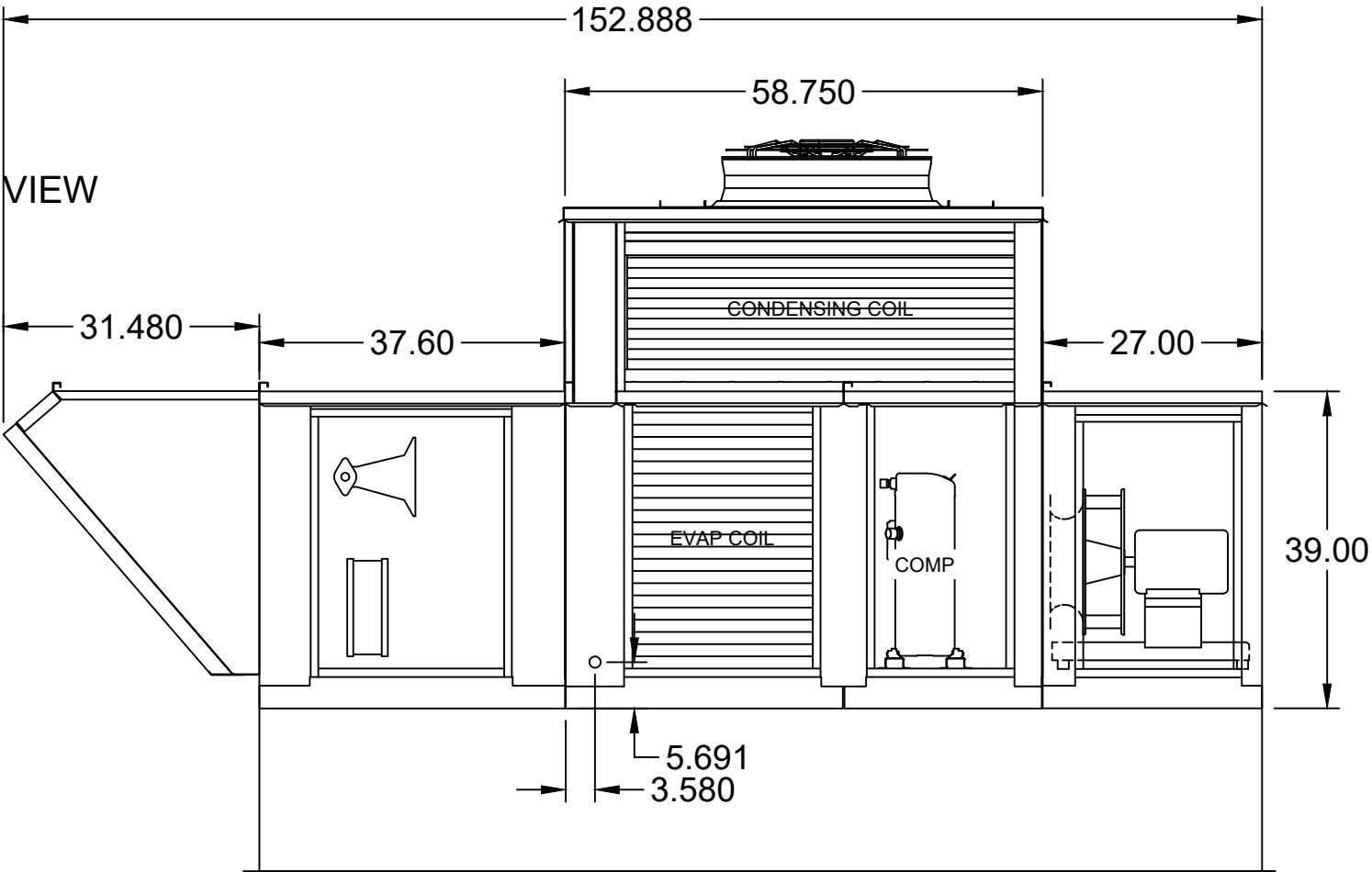
DUCT TYPE	SIZE
STANDARD	16 SQ
FIRE-WRAPPED	8 SQ



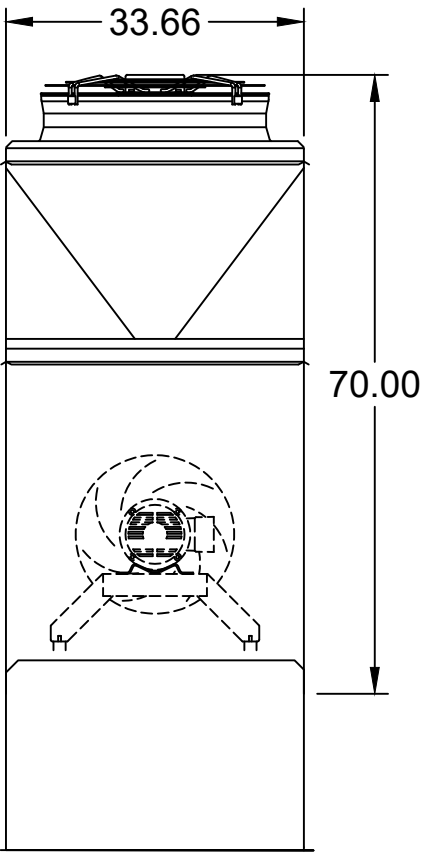
EQUIPMENT SCHEDULE															
Tempered Make-Up Air Unit								Mark: KSF-2(Smokers)							
Qty	Accurex Model		Volume	External SP	Total SP	MCA	MOP	Weight	SCCR						
1	XDGX-P118-H12-D1-8		5,000 CFM	0.5 in. wg	2,354	23.8	35	1,409 lb	NA						
Motor Information															
Size		V/C/P		Enclosure		Motor with Shaft Grounding		Motor RPM		Operating Power					
5 hp		460/60/3		OP		No		1800		3.36 hp					
Heating															
Type	Gas Type	Temperature			Energy			Connection Gas (IN)	Building Gas Pressure	Control Access	Gas Pressure				
		Winter DB	Max Δ	Max LAT	Input	Output	Efficiency				Min	Max			
Direct Gas	Natural	3 F	68.1 F	70.7 F	400.0 MBH	368.0 MBH	92%	3/4"	1/2 PSI	No	12 PSI	5 PSI			
Cooling															
Cooling Type		Coil Model		Rows Deep	Fins Per Inch	Face Velocity	Total Energy	Sensible Energy	Entering Air (F)		Leaving Air (F)				
0		DX38S02Q10-32x35-RH		2	10	NA	108.7 MBH	103.9 MBH	97 F	80 F					
Coil SP	Refrigerant	Suction Temp	Liquid Temp	Super Heat	Code 18/19			Suction Conn Qty / Size		Liquid Conn Qty / Size					
NA	R_454b	56 F			0			NA		NA					
Outlet Sound Power By Octave Band									LwA	dBA	Sones				
62.5	125	250	500	1000	2000	4000	8000								
0	0	0	0	0	0	0	0	0	0	0	0				
*LwA - A weighted sound power level based on ANSI S1.4															
*dBA - A weighted sound pressure level based on 11.0 dB attenuation per octave band at 5.0 ft.															
*Noise Criteria (NC) based on an average attenuation of 11.5 dB per octave band at 5.0 ft.															



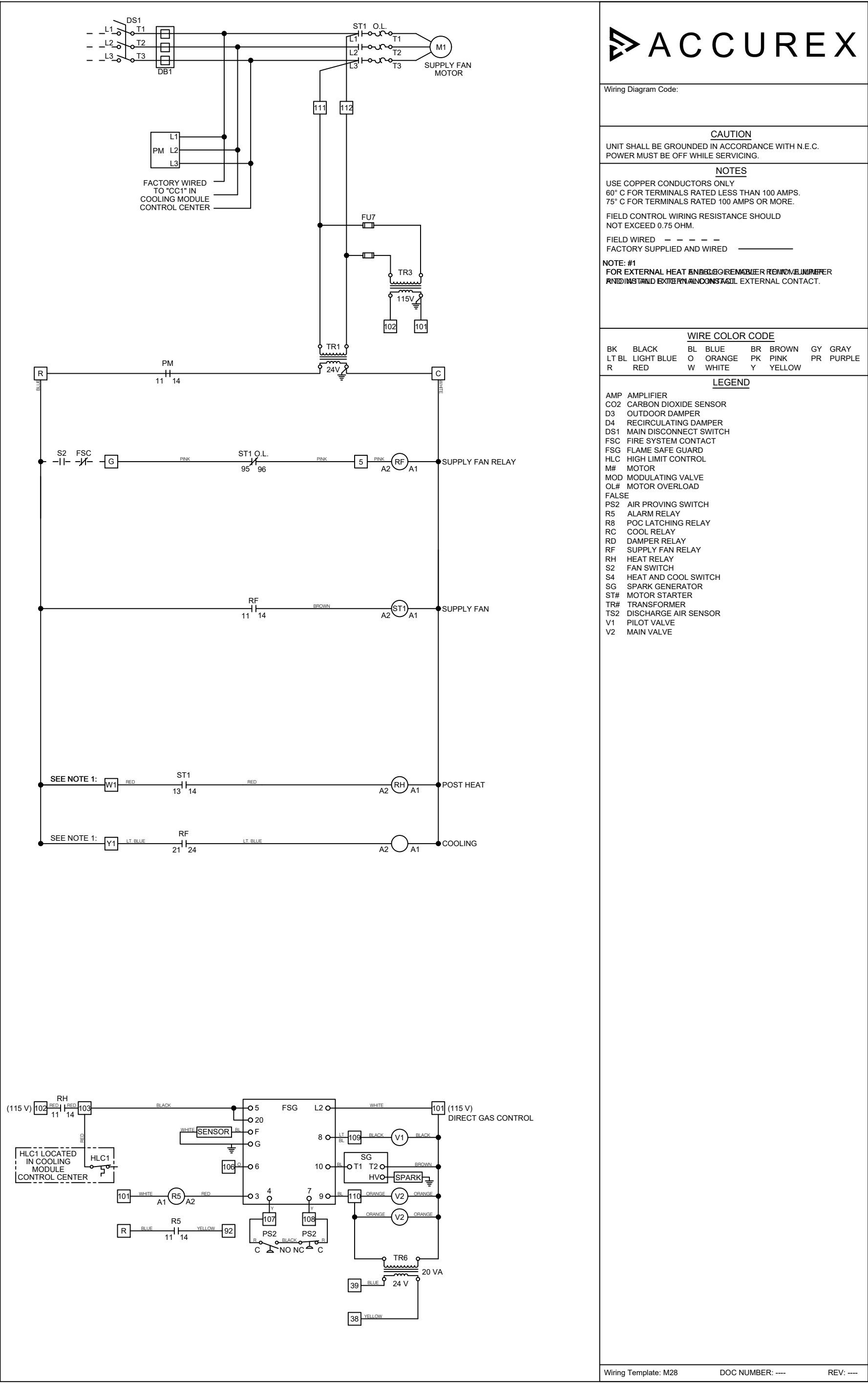
PLAN VIEW



ELEVATION VIEW



END VIEW



NOTE: Roof Opening Requirements:

Minimum Roof Opening: The minimum roof opening size is the illustrated duct diameter plus 0.25 in. on all sides.
For example: If the duct size is 14 x 14 in. square, the minimum roof opening size is 14.5 x 14.5 in. square.

Maximum Roof Opening: There must be a minimum perimeter of 1.75 in. between the roof opening and the roof curb.
For example: If the roof curb is 75 x 30 in. square, the maximum roof opening is 71.5 x 26.5 in. inches square.

NOTE: The weatherhood and filter sections of the make-up air unit are not supported by the curb.
This is by design, in order to help alleviate water infiltration issues.

CONTROL INFORMATION

MARK	MAIN ELECTRICAL CONTROL PACKAGE		MAIN 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
KEC-2 (SMOKERS)	XKC-DCV-S-41-4-1-0	SHIP LOOSE ENCLOSURE	FULL COLOR TOUCHSCREEN	SHIP LOOSE	1	EXHAUST	E1	KEF-6	1	1542	0.75	277	60	1	NO	NO
					2	EXHAUST	E2	KEF-7	1	1542	0.75	277	60	1	NO	NO
					3	EXHAUST	E3	KEF-8	1	1542	0.75	277	60	1	NO	NO
					4	EXHAUST	E4	KEF-9	1	1542	0.75	277	60	1	NO	NO
					5	SUPPLY	S1	MUA-2	1	5000	5	460	60	3	NO	NO
CONTROL FEATURES																
HOOD LIGHT CONTROL																
TEMP SENSORS (FACTORY INSTALLED) - QTY. 4																

CONTROL FEATURES

HOOD LIGHT CONTROL
TEMP SENSORS (FACTORY INSTALLED) - QTY. 4
DRY FIRE CONTACTS - QTY. 2
LIGHTS OFF DURING FIRE
EXHAUST MAX DURING FIRE
SUPPLY OFF DURING FIRE

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.



43BM

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

THESE DRAWINGS SHALL NOT BE REMOVED FROM
THIS EQUIPMENT. USE COPPER CONDUCTORS
RATED TO 90°C UNLESS SPECIFIED. TORQUE
CONTROL & GROUND BLOCKS TO 8 LBS. IN. TORQUE
POWER LUGS/SCREWS TO COMPONENT RATINGS
LISTED. TORQUE CONTROL BOARD SCREW
TERMINALS TO 3.5 LBS. IN. FIELD CONTROL WIRING
RESISTANCE SHOULD NOT EXCEED 0.75 OHM. SEE
COM FOR ADDITIONAL INFORMATION, OR CALL
FACTORY AT 1-800-371-8858.
PRG VERSION: V5
FIELD WIRED (CÂBLE LOCALEMENT) ----
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
COSSES/VIS D'ALIMENTATION AUX COUPLES
INDIQUÉS 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 1-800-371-8858

WIRING DIAGRAM CODE: WDC#

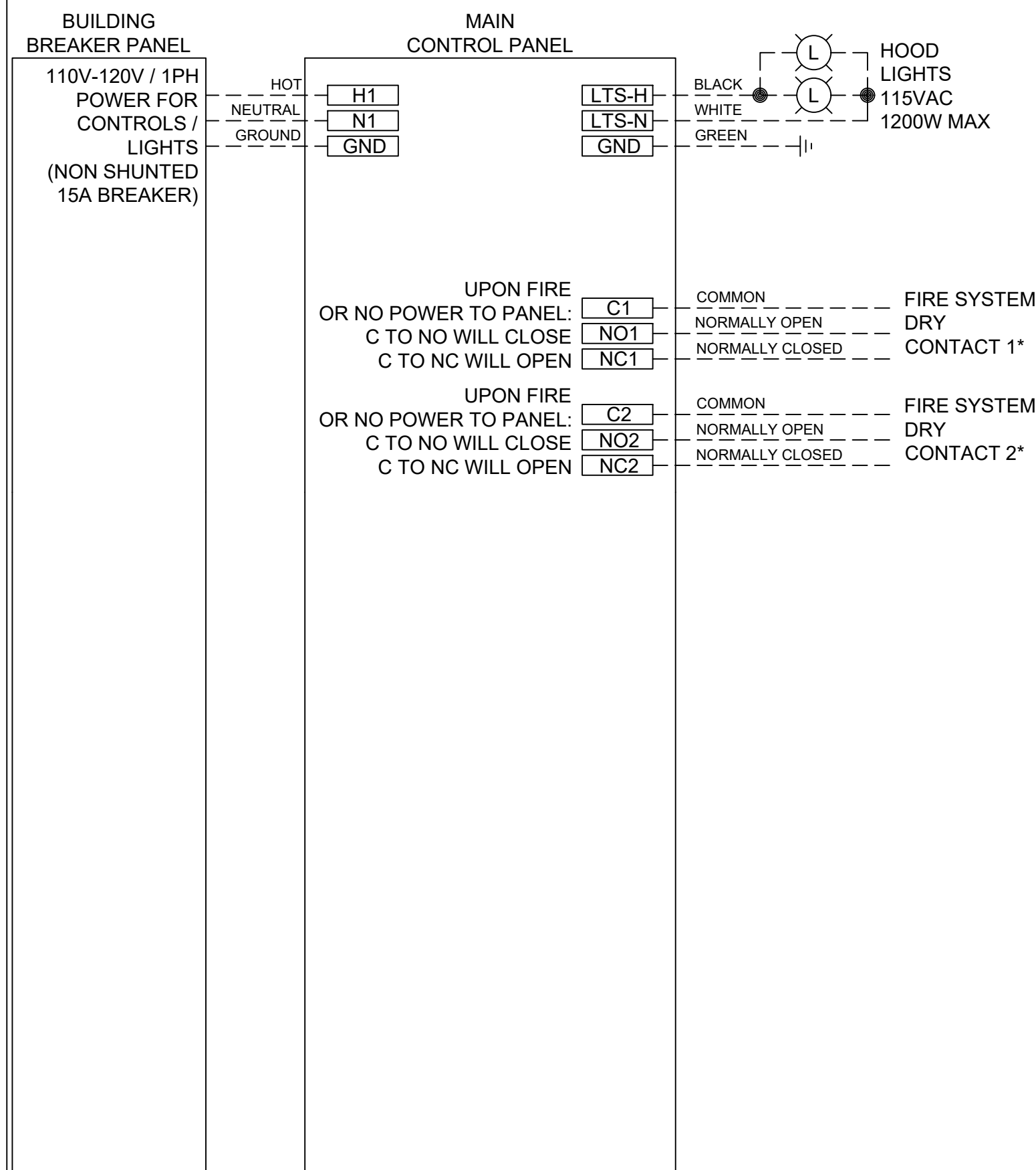
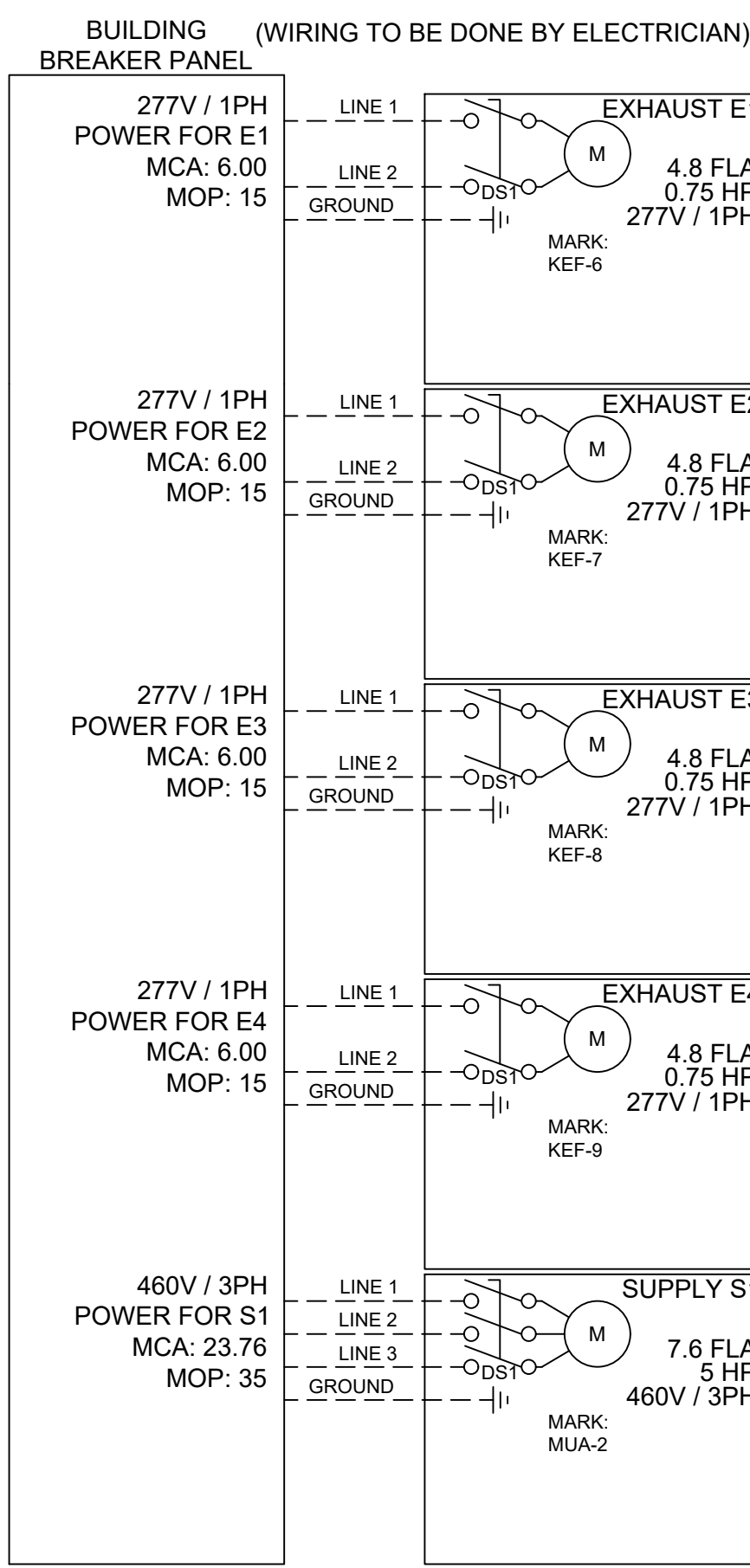
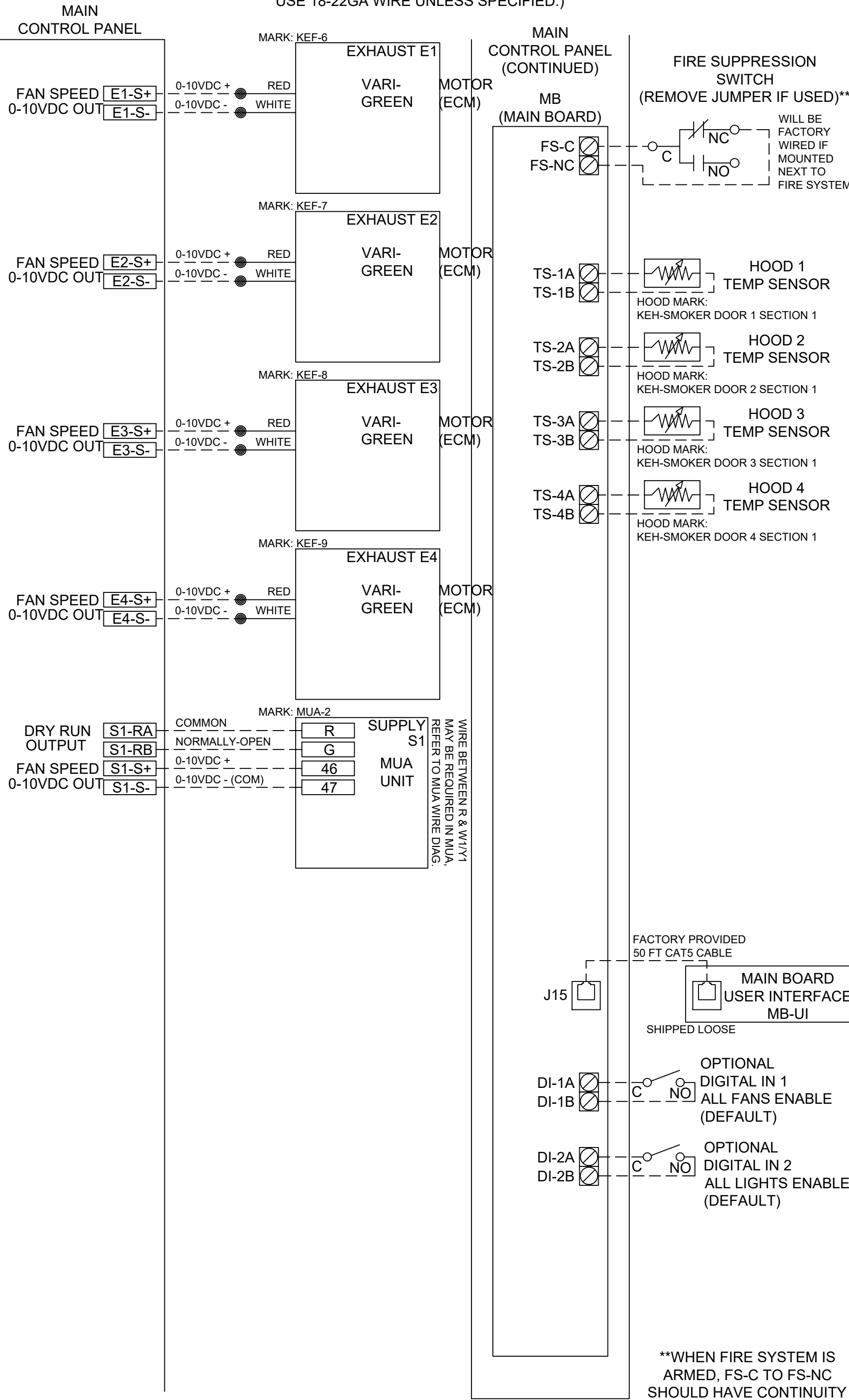
JOB NAME:

Q39 LEE'S SUMMIT R2

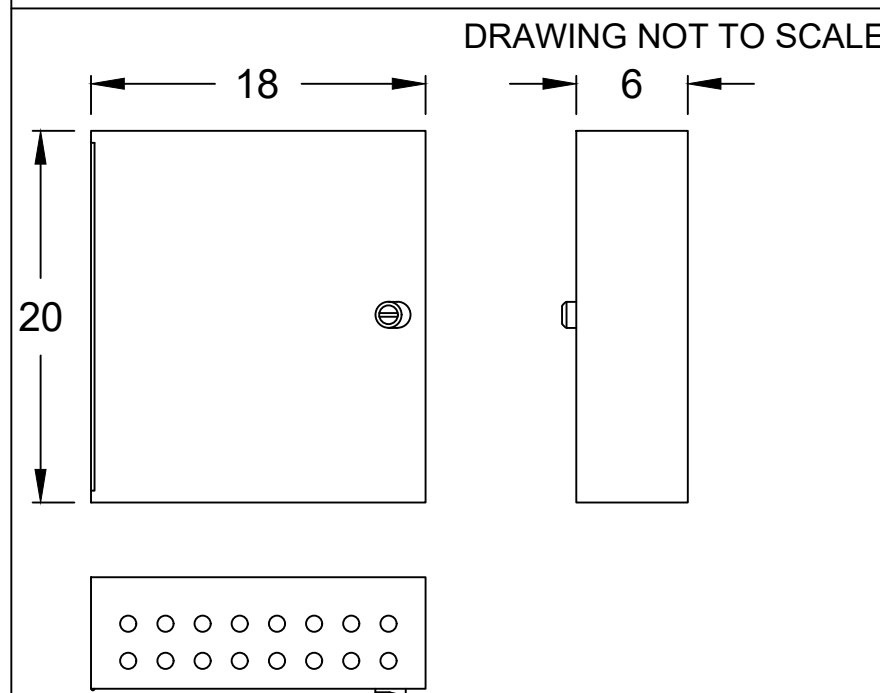
MODEL: XKC-DCV-S-41-4-1-0

SERIAL NUMBER: WDSN#

MARK: KEC-2 (SMOKERS)

POWER WIRING FOR KITCHEN CONTROLS
(WIRING TO BE DONE BY ELECTRICIAN)POWER WIRING FROM BREAKER
PANEL DIRECT TO FANS
(WIRING TO BE DONE BY ELECTRICIAN)CONTROL WIRING FOR KITCHEN CONTROLS
(WIRING TO BE DONE BY ELECTRICIAN, IF NO CONTROLS CONTRACTOR.
USE 18-22GA WIRE UNLESS SPECIFIED.)

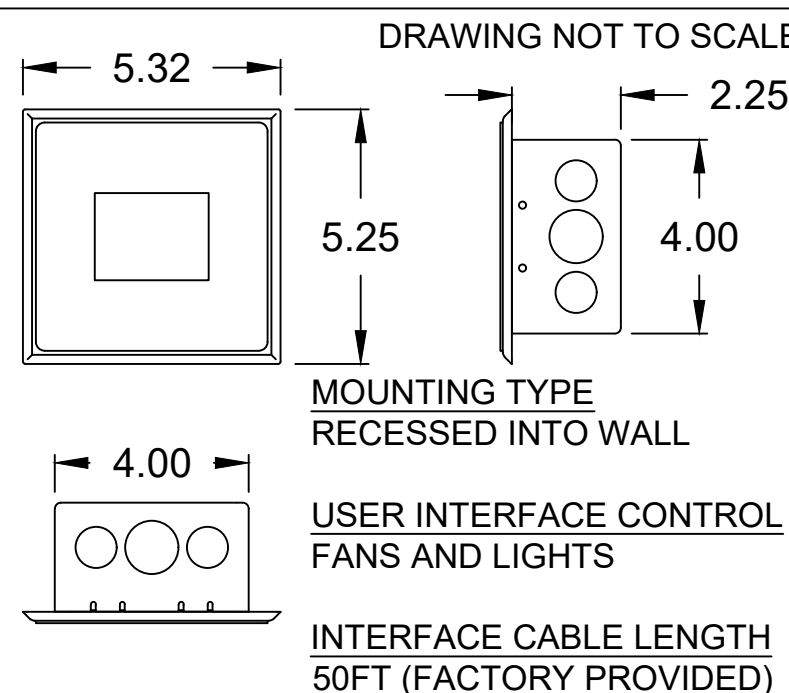
CABINET DETAILS

MOUNTING LOCATION:
SHIP LOOSE ENCLOSURE

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

TOTAL
WEIGHT:
35 LBS

MAIN USER INTERFACE DETAILS

MOUNTING TYPE
RECESSED INTO WALLUSER INTERFACE CONTROL
FANS AND LIGHTSINTERFACE CABLE LENGTH
50FT (FACTORY PROVIDED)

DEFAULT SETTINGS

FACTORY SETTINGS
TYPE: VAV
CONFIGURATION: STANDARD
ZONES: 1
HOODS: 4
EXHAUST FANS: 4
SUPPLY FANS: 1
MB ROOM SENSOR: NO
MB TEMP SENSORS: 4
HIGH TEMP FAULT: NO
FREEZE PROTECTION: YES
MB GAS RESET: NO
FMS PROVING: NO
BMS: NONE

EXHAUST FAN SETTINGS
SEE FAN CONFIGURATION TABLE BELOW
SUPPLY FAN SETTINGS
SEE FAN CONFIGURATION TABLE BELOW
SENSOR SETTINGS
SEE HOOD CONFIGURATION TABLE BELOW
USER INTERFACE SETTINGS (MB)
FAN & LIGHT BUTTONS: SHOW BOTH (SEPERATE)
GENERAL SETTINGS
TIME ZONE: CENTRAL DAYLIGHT (DEFAULT)
MB FIRE/FAULT SETTINGS
EXHAUST DURING FIRE: MAX
SUPPLY DURING FIRE: OFF
LIGHTS DURING FIRE: OFF

WIRING DIAGRAM CODE: WDC#

JOB NAME: Q39 LEE'S SUMMIT R2

MODEL: XKC-DCV-S-41-4-1-0

SERIAL NUMBER: WDSN#

MARK: KEC-2 (SMOKERS)

DOC NUMBER: ----

REV: ----

PRG VERSION: V5

ZONE CONFIGURATION

ZONE #	ZONE	ROOM TEMP
1	Z1	PRESET

HOOD CONFIGURATION

HOOD #	HOOD	HOOD MARK	ZONE	EXH A	EXH B	SUPPLY	MB- TEMP SENSORS
1	H1	KEH-SMOKER DOOR 1 SECTION 1	Z1	E1	-	S1	TS1
2	H2	KEH-SMOKER DOOR 2 SECTION 1	Z1	E2	-	S1	TS2
3	H3	KEH-SMOKER DOOR 3 SECTION 1	Z1	E3	-	S1	TS3
4	H4	KEH-SMOKER DOOR 4 SECTION 1	Z1	E4	-	S1	TS4

FAN CONFIGURATION

FAN #	TYPE	FAN	FAN MARK	ZONE	MIN CFM	MAX CFM	MODBUS VFD	VFD ADDRESS	MIN FREQ.	MAX FREQ.	MIN VDC	MAX VDC
1	EXHAUST	E1	KEF-6	Z1	771	1542	NO	-	-	-	5.0	10.0
2	EXHAUST	E2	KEF-7	Z1	771	1542	NO	-	-	-	5.0	10.0
3	EXHAUST	E3	KEF-8	Z1	771	1542	NO	-	-	-	5.0	10.0
4	EXHAUST	E4	KEF-9	Z1	771	1542	NO	-	-	-	5.0	10.0
5	SUPPLY	S1	MUA-2	Z1	2500	5000	NO	-	-	-	5.0	10.0

ACCUREX

PROJECT

9/25/2025

ACCUREX KS NE WESTERN MO

BENJAMIN OBRIEN

BENJAMIN.OBRIEN@ACCUREX.COM

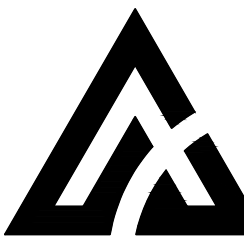
(417)920-5245

Q39 LEE'S SUMMIT R2

KEC-2 (SMOKERS)

MARK

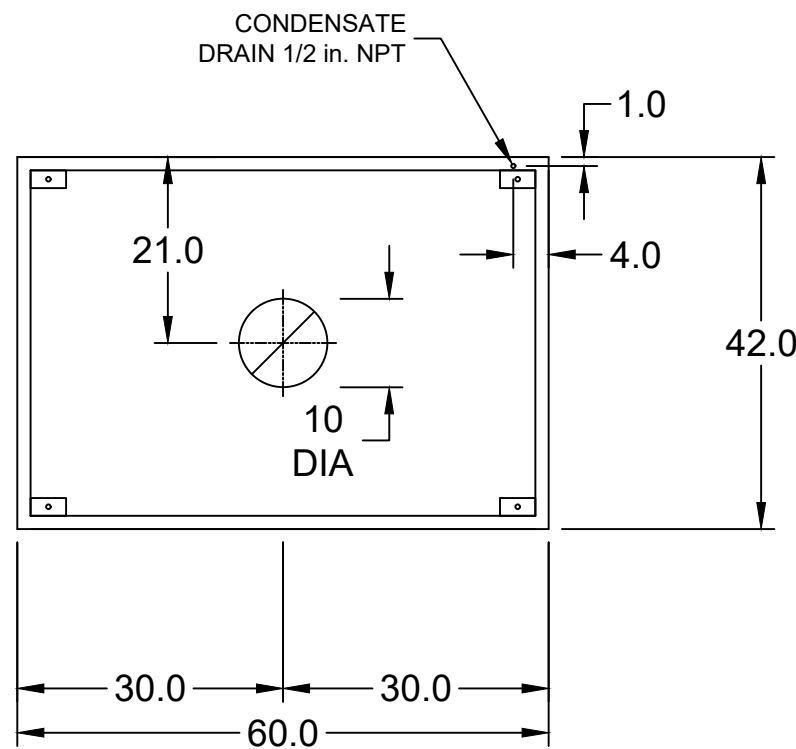
ACCUREX



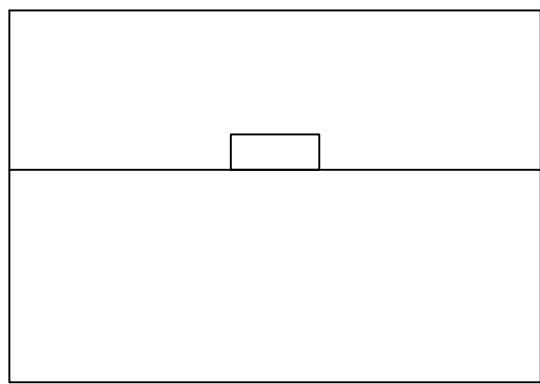
HOOD INFORMATION																	
HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	EXHAUST						SUPPLY		HANGING WEIGHT LBS.	SECTION LOCATION
			LENGTH	WIDTH	HEIGHT			TOTAL CFM	COLLAR(S)					MUA CFM	AC CFM		
								WIDTH	LENGTH	DIA.	CFM	S.P.					
1	KEH-DISH	XD1-60-S	60.00	42	24	430 SS 100%		750.0		10	750	0.227			104	SINGLE	

[illegible]

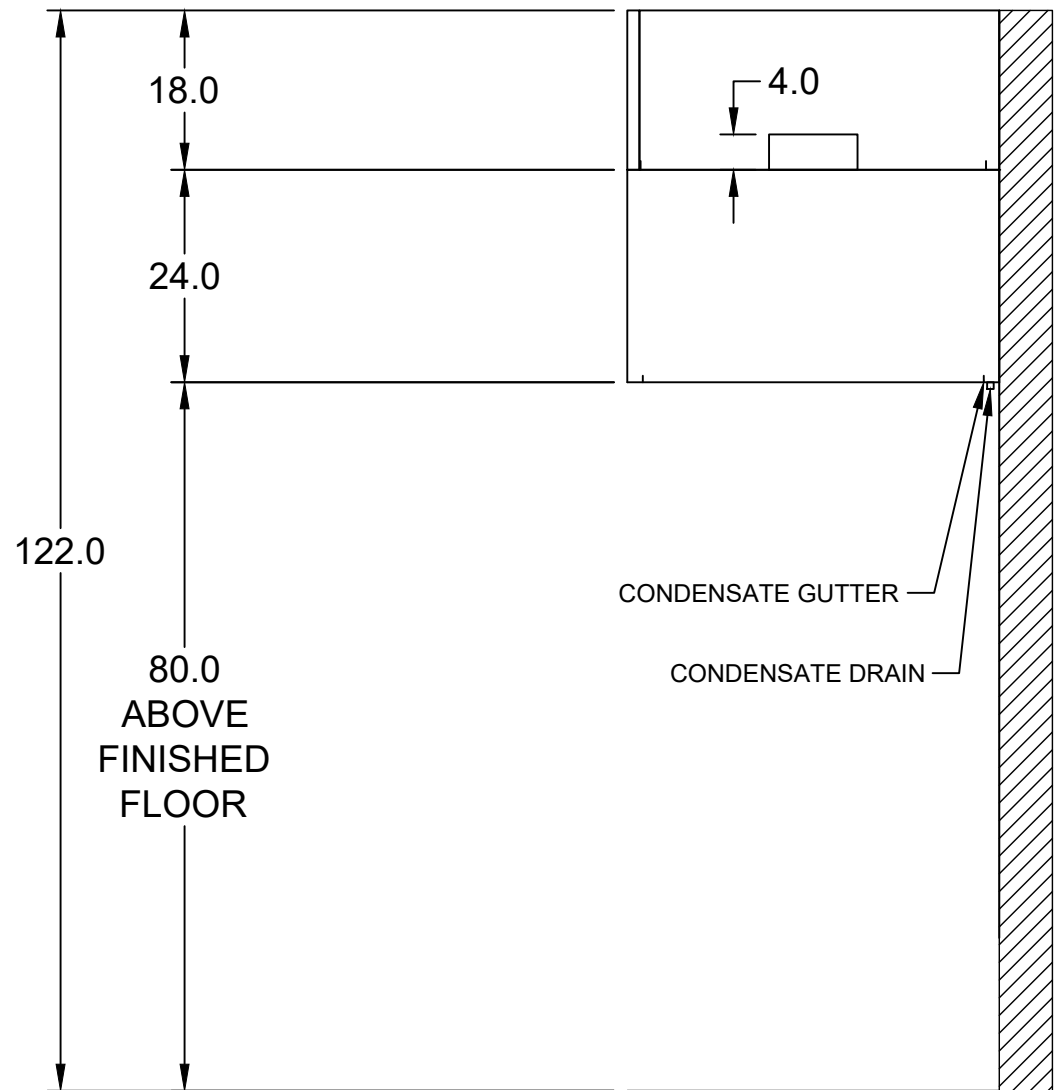
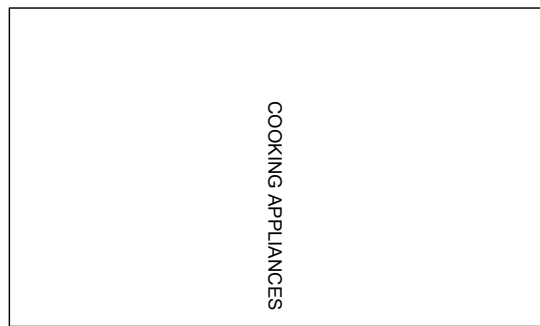
HOOD OPTIONS
18 IN HIGH CEILING ENCLOSURES - FRONT LEFT RIGHT - FIELD INSTALLED FACTORY MOUNTED EXHAUST COLLAR(S) PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH



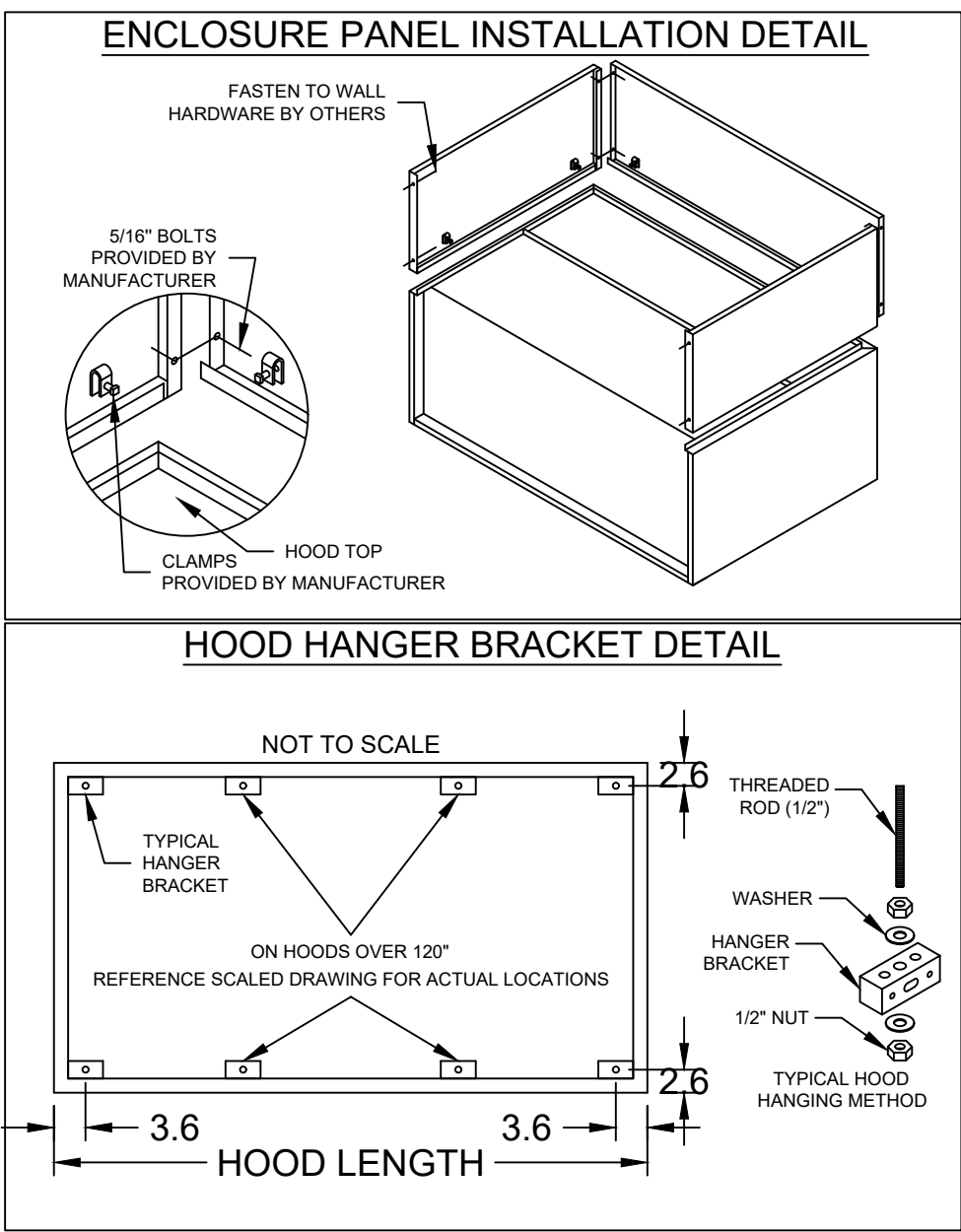
MARK: KEH-Dish - SECTION 1
PLAN VIEW



MARK: KEH-Dish - SECTION 1
ELEVATION VIEW



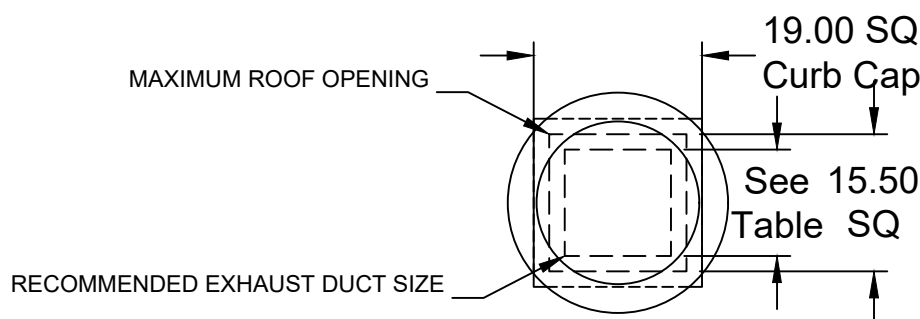
MARK: KEH-Dish
SECTION VIEW



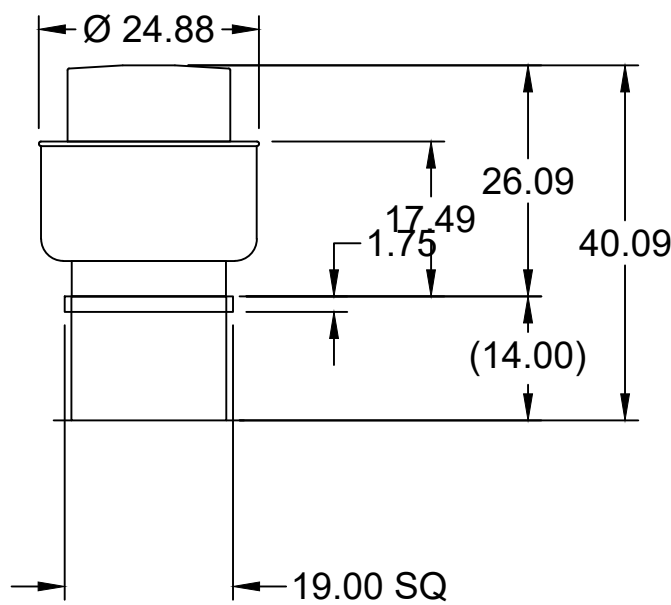
MARK INFORMATION		FAN INFORMATION									SOUND INFORMATION					MOTOR INFORMATION								
MARK	QTY	MODEL	DRIVE TYPE	VOLUME (CFM)	EXTERNAL SP (IN. WG)	TOTAL EXTERNAL SP (IN. WG)	FAN SPEED (RPM)	OUTLET VELOCITY (FT/MIN)	FEI	TOTAL WEIGHT (LB)	INLET dBA	INLET SONES	INLET SONES (SPHERICAL)	OUTLET dBA	OUTLET SONES	OPERATING POWER (HP)	MOTOR SIZE (HP)	FEP INPUT POWER (KW)	ENCLOSURE	VOLTAGE	CYCLE	PHASE	EC MOTOR	NEC FLA*
KEF-10	1	XCUE-099-VG	Direct	750	1.054	1.007	1,725	572.86	0	45.2	60.98	10.76	0	0	0	0.23	0.25	0	TN	277	60	1	VariGreen	2.4

*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'

KEF-Dish : 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)
Curb Cap Size - 19 Square
UL/cUL 705 Listed - "Power Ventilators"
Switch, NEMA-1, Toggle,
Foam Curb Seal (Factory Applied)
Damper Shipped Loose, BD-100-PB-12X12, Gravity Operated, Not Coated, Nominal Size
Birdscreen: Stainless Steel, nom. 86% Free Area
Aluminum Wheel Material
Conduit Chase Qty 1

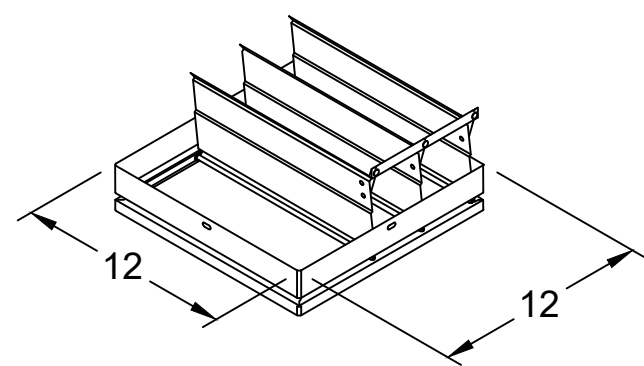


DUCT TYPE	SIZE
STANDARD	12 SQ
FIRE-WRAPPED	8 SQ

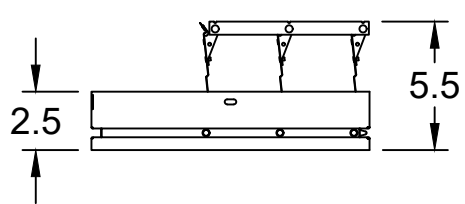


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CONSULT SYSTEM DESIGN ENGINEER FOR RECOMMENDED DUCT SIZE.

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



DAMPER



TYP. SECTION VIEW

