PATENT NUMBERS

FOR QUESTIONS, CALL THE
Indiana Office
REGION 56
PHONE: (317) 852 - 3770

AC-PSP (UNITED STATES) - US PATENT 7963830 B2. AC-PSP WALL (CANADA) - CA PATENT 2820509. AC-PSP ISLAND (CANADA) - CA PATENT 2520330.

EMAIL: reg56@econair.com

IFORMATION - IOR#6838657

HOOD OPTIONS

HOOD	INF	<u>ORMATION</u>	<i>− J0B#</i>	6838657																
ноор	TAG	MODEL MA	ANI IFACTI IPE	PI FNGTH	MAX COOKING	TYPE	APPLIANCE			EXHAUST PLENUM RISER(\$)					_	TOTAL SUPPLY	ноор	HOOD C		
ND	THU	יים שבב ויי	HINOI ACTORE	KLLINGTH	TEMP	1111	DUTY	CFM/FT	EXH CFM	WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP	CFM	CONSTRUCTION	END	R□W
1	1A	6024 EX-2-PSP-F	ECON-AIR	12′ 0″	450 DEG	I	MEDIUM	225	2700			4"	16"	2700	1934	-1.344"	2160	430 SS WHERE EXPOSED	ALONE	ALONE
2	1B	6024 EX-2-PSP-F	ECON-AIR	12′ 0″	450 DEG	I	MEDIUM	225	2700			4"	16"	2700	1934	-1.344"	2160	430 SS WHERE EXPOSED	ALONE	ALONE

		[[X - Z - F 3 F - F]			בו בי							WHERE						_
HOOD	INF	ORMATION																
			F	FILTER	(2)			LIGHT(S)					UTILITY CABINET(S)			FIDE	ПППП	l .
	TAG					EFFICIENCY @ 7			\./TDE			FI	RE SYSTEM	ELECTRICAL	SWITCHES	─ FIRE ─SYSTEM	HOOD	ι ς
N□	TAG	TYPE	QTY	HEIGHT	LENGTH	MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	TYPE	SIZE	MODEL #	QUANTITY	PIPING	WEIGHT	Ç Ç
1	1A	CAPTRATE SOLO FILTER	9	16″	16"	85% SEE FILTER SPEC	4	L55 SERIES E26	N□	RIGHT	12"×60"×24"	TANK FS	4.0/4.0/4.0			YES	1207 LBS	EFFICIE!
2	1B	CAPTRATE SOLO FILTER	9	16"	16"	85% SEE FILTER SPEC	4	L55 SERIES E26	ND	LEFT	12"×60"×24"					YES	907 LBS	ACTIDNAL

SPECIFICATION: CAPTRATE GREASE-STOP SOLO FILTER

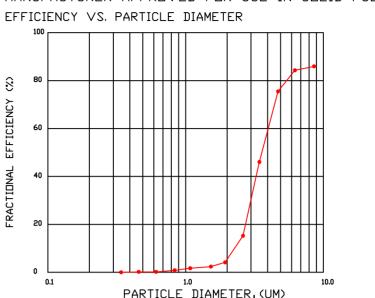
THE CAPTRATE GREASE-STOP SOLO FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-BAFFLE DESIGN IN CONJUNCTION WITH A SLOTTED REAR BAFFLE DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

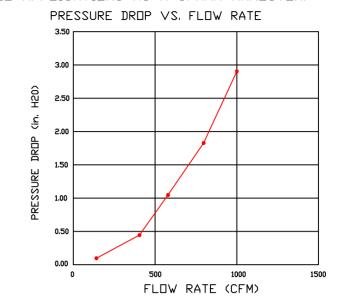
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD

FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

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

GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE. THE CAPTRATE GREASE-STOP SOLO WAS TESTED TO ASTM STANDARD ASTM F2519-05. MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.





CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH: NFPA #96.
NSF STANDARD #2.
UL STANDARD #1046.

NSF ACTION (ACTION ACTION ACTI

NFPA #96. NSF STANDARD #2. UL STANDARD #1046. INT. MECH. CODE (IMC). ULC-S649.

BACKSPLASH 120.00" HIGH X 18.00" LONG 430 SS VERTICAL.

RISER SENSOR INSTALL 6IN PLEN.

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.

FIELD WRAPPER 18.00" HIGH X 156.00" LONG 430 SS VERTICAL.

BACKSPLASH 80.00" HIGH X 18.00" LONG 430 SS VERTICAL.

BACKSPLASH 120.00" HIGH X 18.00" LONG 430 SS VERTICAL.

BACKSPLASH 120.00" HIGH X 18.00" LONG 430 SS VERTICAL.

RISER SENSOR INSTALL 6IN PLEN.

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.

OPTION

PERFORATED SUPPLY PLENUM(S) POS | LENGTH | WIDTH | HEIGHT | TYPE WIDTH LENG DIA CFM SP 720 0.195" 12" | 28" MUA 12" 28" 156*"* 16" 6**"** 720 0.195" 1A Front MUA | 12" | 28" 720 0.195" 720 0.195*"* MUA | 12" | 28" MUA | 12" | 28" 156*"* 16*"* 720 0.195*"* 1B | Front | 6" MUA | 12" | 28" 720 0.195*"*

FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.

BACKSPLASH 80.00" HIGH X 156.00" LONG 430 SS VERTICAL

BACKSPLASH 120,00" HIGH X 18,00" LONG 430 SS VERTICAL

© GREASE DUCT & CHIMNEY SPECIFICATIONS:

PROVIDE GREASE DUCT EQUAL TO ECON-AIR MODEL "EDW"

ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK, MODEL "EDW"

IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING

CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS, MODEL "EDW"

DOES NOT REQUIRE WELDING PROVIDING IT HAS BEEN INSTALLED PER

THE MANUFACTURES INSTALLATION GUIDE.

PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER. PER MANUFACTURES LISTING MODEL "EDW" HORIZONTAL RUNS LESS THAN 75 FT. CAN BE SLOPED 1/16" PER 12", HORIZONTAL RUNS MORE THAN 75 FT. CAN BE SLOPED 3/16" PER 12". DUCT SHOULD BE SLOPED AS MUCH AS POSSIBLE TO REDUCE THE CHANCE OF GREASE ACCUMULATION IN HORIZONTAL RUNS.

IF THE DUCT OR CHIMNEY IS WITHIN 18 INCHES OF COMBUSTIBLE MATERIAL, PROVIDE UL-2221 OR UL-103 HT LISTED DOUBLE WALL GREASE DUCT OR DOUBLE WALL CHIMNEY EQUAL TO ECON-AIR MODEL "EDW- 2R, 2R TYPE HT, 3R, OR 3Z" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.

ECON-AIR RECOMMENDS THE USE OF LISTED,
PRE-FABRICATED ROUND GREASE EXHAUST DUCT
TO REDUCE STATIC PRESSURE IN THE SYSTEM,
MINIMIZE INSTALLATION AND INSPECTION TIMES,
AND ENSURE DUCT IS LIQUID TIGHT

HVAC DISTRIBUTION NOTE

HIGH VELOCITY DIFFUSERS OR HVAC RETURNS
SHOULD NOT BE PLACED WITHIN TEN (10) FEET
OF THE EXHAUST HOOD, PERFORATED
DIFFUSERS ARE RECOMMENDED.

VERIFY CEILING HEIGHT

____"

HEIGHT REQUIRED TO VERIFY THAT HOOD FITS SPACE AND TO SIZE THE ENCLOSURE PANELS

APPROVED AS NOTED		
APPROVED WITH NO EXCEPTION TAKEN		
REVISE AND RESUBMIT		
SIGNATURE		
YOUR TITLE	DATE	

20 E. Airport Rd. Ste. 100, Brownsburg, IN, 46112 PHONE: (317) 852 - 3770 FAX: 9192275929 EMAIL: reg56@econair.com

REVISIONS

YWCA USING EXISTING MUA
Fort Wayne, IN, 46808

DATE: 6/6/2024

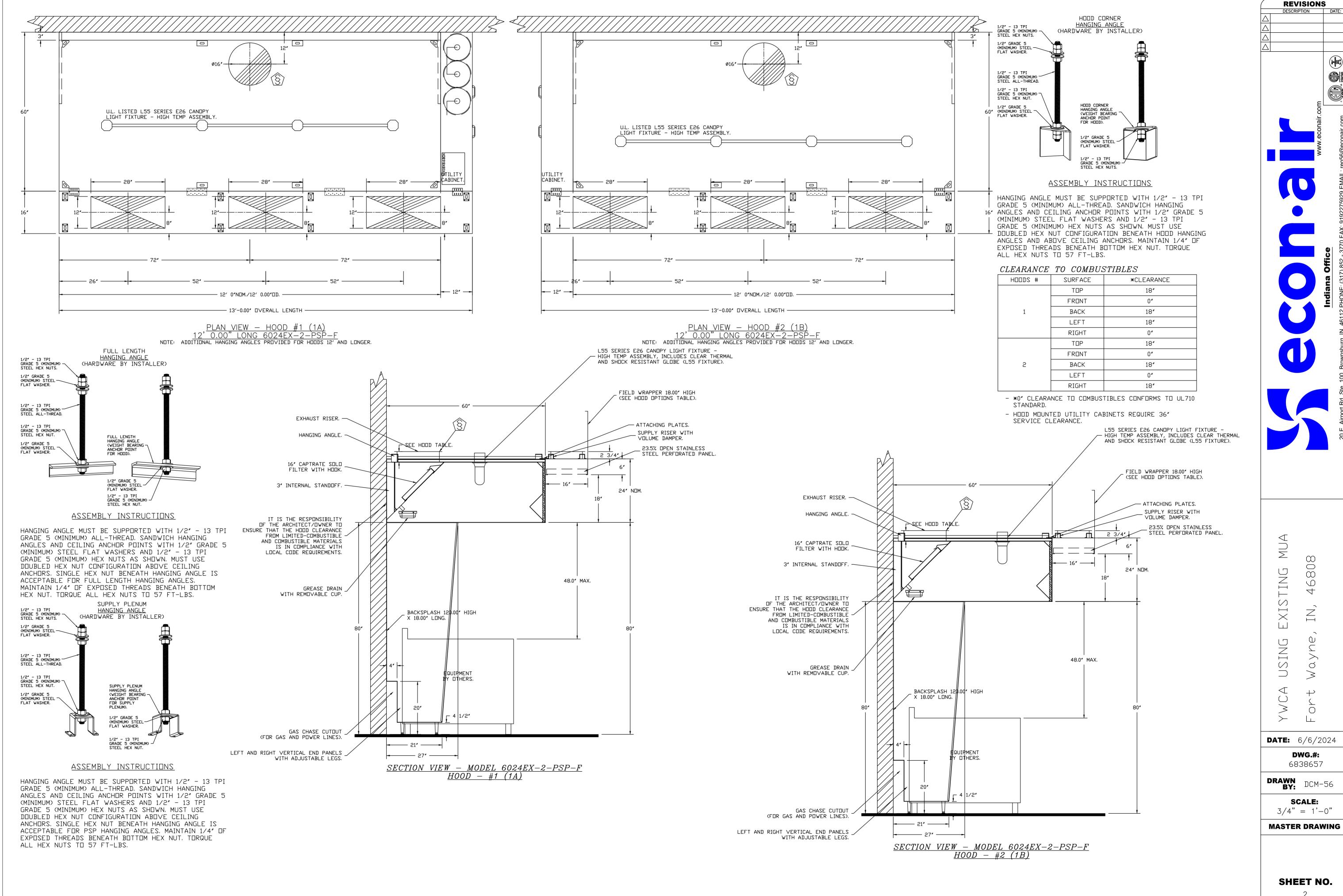
DWG.#: 6838657

DRAWN DCM-56

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO.



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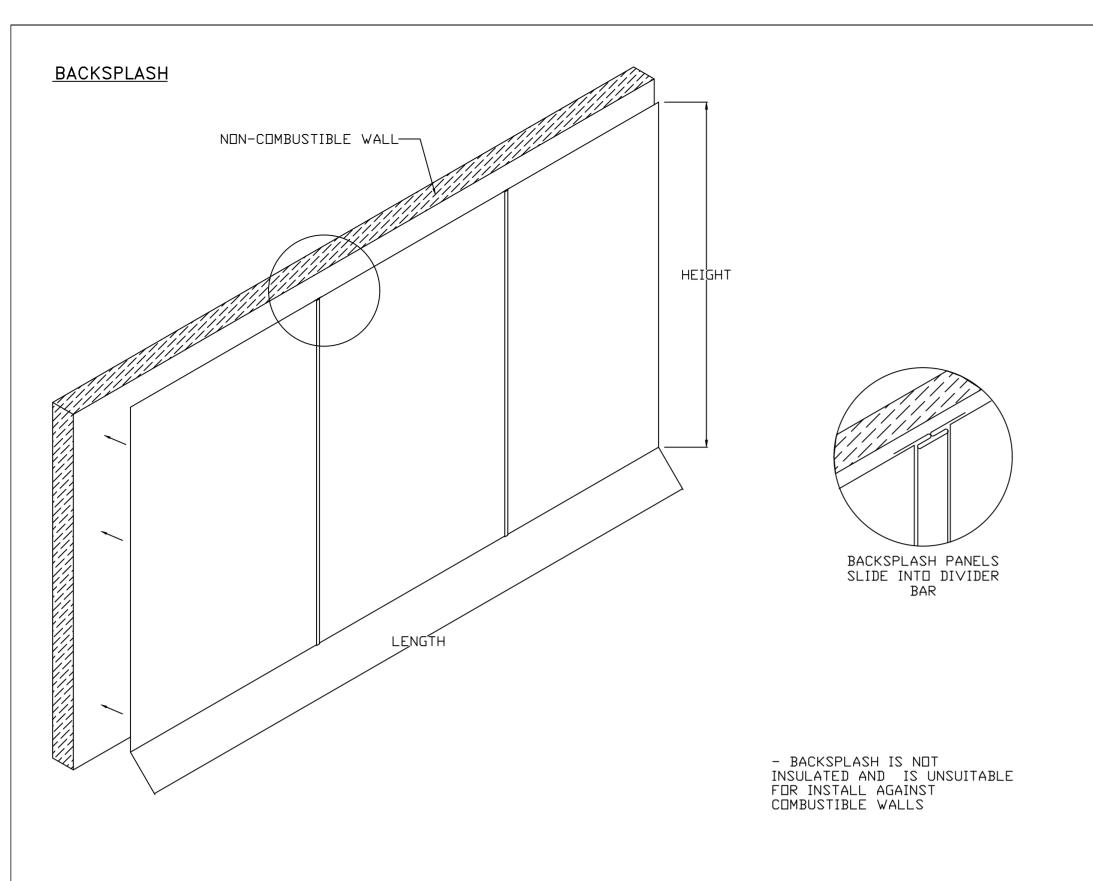
DATE: 6/6/2024

6838657

DCM-56

SCALE: 3/4" = 1'-0"

SHEET NO.



20 E. Airport Rd. Ste. 100, Brownsburg, IN, 46112 PHONE: (317) 852 - 3770 FAX: 9192275929 EMAIL: reg56@econair.com

REVISIONS

DESCRIPTION DATE:

YWCA USING EXISTING MUA Fort Wayne, IN, 46808

DATE: 6/6/2024

DWG.#:6838657

DRAWN DCM-56

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO.

FIRE	SYST	<u>EM INFORMATIO</u>	ON - JOB#6838657				
FIRE			"		DESIGN	INSTALLA	TION
SYSTEM NO	TAG	TYPE	SIZE	MAX FP	FP	SYSTEM	LOCATION ON HOOD
1		TANK FS	4.0/4.0/4.0	60	59	FIRE CABINET RIGHT	RIGHT, HOOD 1

GAS VAI	VE(S)		
FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1		SC ELECTRICAL	1,250	DISTRIBUTOR

<u>FIRE SYSTEM PARTS LIST KEY</u>

FIRE YSTEM NO	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST
		0 - 0 - TANK FIRE SUPPRESSION MAINTENANCE GUIDE UTILITY CABINET LABEL SHEET.	1	0
		0 - 0 - TANK FIRE SUPPRESSION POST-DISCHARGE PROCEDURE UTILITY CABINET LABEL SHEET.	1	0
		0 - 0 - 12-F28021-32144-DT-360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. NO, CLOSE ON TEMP RISE AT 360°F. (A0034310).	2	0
		0 - 0 - 4429K153 1/2" MALE NPT TO 1/2" FEMALE NPT ELBOW, BRASS.	3	0
		0 - 0 - 4429K422 1/2" X 1/4" BRASS REDUCING BUSHING.	2	0
		0 - 0 - 79525 1/2" 90 PRO-PRESS ELBOW WITH 1/2" NPT FEMALE CONNECTION, VIEGA.	2	0
		0 - 0 - 79580 1/2" X 1/2" PRO-PRESS TEE X 1/2" NPT FEMALE CONNECTION, VIEGA.	3	0
		0 - 0 - 87-120042-001 SECONDARY ACTUATOR VALVE (SVA) - SINGLE ACTUATOR, REQUIRES PRIMARY RELEASE ACTUATOR, TANK FIRE SUPPRESSION.	2	0
		0 - 0 - 87-120045-001 HOSE, SECONDARY ACTUATOR HOSE, 7.5" BRAIDED STAINLESS STEEL, TANK FIRE SUPPRESSION.	2	0
		0 - 0 - 87-300001-001 TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	3	0
		0 - 0 - 87-300030-001 PRIMARY ACTUATOR KIT (PAK) - ACTUATOR AND RELEASE SOLENDID ASSEMBLY, ONE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-300152-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	12	0
		0 - 0 - 98694A115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC, TANK FIRE SUPPRESSION.	6	0
		0 - 0 - A0034332 JUNCTION BOX FOR MANUAL PULL STATION, 1.5" DEEP BACK BOX, RED COLOR.	1	0
1		0 - 0 - A31484 1/4" NPT SCHRADER VALVE AND CAP, JB INDUSTRIES. 1/4" FLARE X 1/4" MPT HALF UNION. USED ON TANK SERVICE PORT.	2	0
		0 - 0 - DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	3	0
		0 - 0 - SLPCON-03FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN END TO END HOODS WITH LESS THAN A 2' GAP. KIT CONTAINS 5 FEET OF BLACK MG WIRE, 5 FEET OF TAN MG WIRE, 3 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.	1	0
		0 - 0 - SLPCON-05FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN END TO END HOODS WITH LESS THAN A 4' GAP. KIT CONTAINS 7 FEET OF BLACK MG WIRE, 7 FEET OF TAN MG WIRE, 5 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.	1	0
		0 - 0 - SLPCON-30FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN HOODS WITH UPTO 29' GAP. KIT CONTAINS 32 FEET OF BLACK MG WIRE, 32 FEET OF TAN MG WIRE, 30 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.	1	0
		0 - 0 - TANK STRAP TANK STRAP - USED FOR TANK FIRE SUPPRESSION.	9	0
		0 - 0 - TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	3	0
		0 - 0 - WK-283952-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	3	0
		34 - 34 - A0034331 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT. RED COLOR.	1	0
		ADDITIONAL PARTS TO BE DETERMINED		

SO E. Airport Rd. Ste. 100, Brownsburg, IN, 46112 PHONE: (317) 852 - 3770 FAX: 9192275929 EMAIL: reg56@econair.com

YWCA USING EXISTING MUA Fort Wayne, IN, 46808

DATE: 6/6/2024

DWG.#: 6838657

DRAWN DCM-56

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO.

EXHA	UST	FAN	INFORMATION - JOB#68	38657												
FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	ВНР	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1		1	EADU180H	ECON-AIR	2700	1.500	1268	DDP,PREMIUM	2.000	1.4040	ω	208	7.2	624 FPM	216	18
2		1	EADU180H	ECON-AIR	2700	1.500	1268	ODP,PREMIUM	2.000	1.4040	3	208	7.2	624 FPM	216	18

FAN	OPTIC	NS
FAN		
UNIT	TAG	QTY

AN	OPTIC	<i>//</i> / <i>/</i> / <i>/</i>	
FAN UNIT NO	TAG	QTY	DESCRIPTION
		1	GREASE BOX
1		1	FAN BASE CERAMIC SEAL - DU/DR180HFA - INSTALLED AT PLANT - FOR GREASE DUCTS
1		1	EXHAUST FAN HEAT BAFFLE
		1	2 YEAR PARTS WARRANTY
		1	GREASE BOX
2		1	FAN BASE CERAMIC SEAL - DU/DR180HFA - INSTALLED AT PLANT - FOR GREASE DUCTS
_		1	EXHAUST FAN HEAT BAFFLE
		1	2 YEAR PARTS WARRANTY

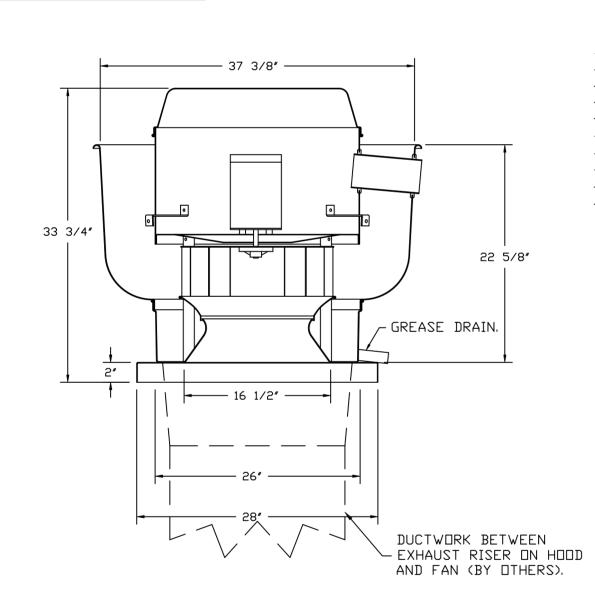
FAN ACCESSORIES

FAN UNIT	TAG		EXHAUST	SUPPLY						
N _□	TAG	GREASE CUP	GRAVITY DAMPER	SIDE DISCHARGE		MOTORIZED DAMPER	WALL MOUNT			
1		YES								
2		YES								

CURB ASSEMBLIES

<u> </u>		<u> </u>				
ND	□N FAN	WEIGHT	ITEM	SIZE		
1	# 1	34 LBS	CURB	26.500"W X 26.500"L X 22.000"H	VENTED	HINGED.
2	# 2	34 LBS	CURB	26.500"W X 26.500"L X 22.000"H	VENTED	HINGED.

FANS #1, #2 - EADU180H EXHAUST FAN



FEATURES:

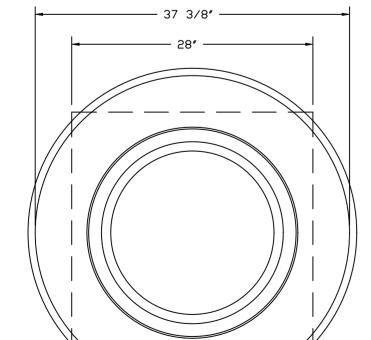
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL. INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE). - HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

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

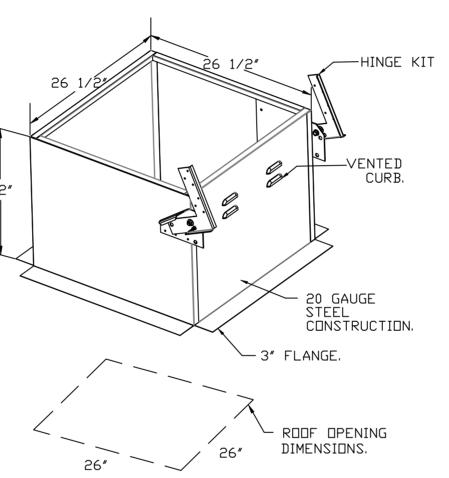
ABNORMAL FLARE-UP TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS

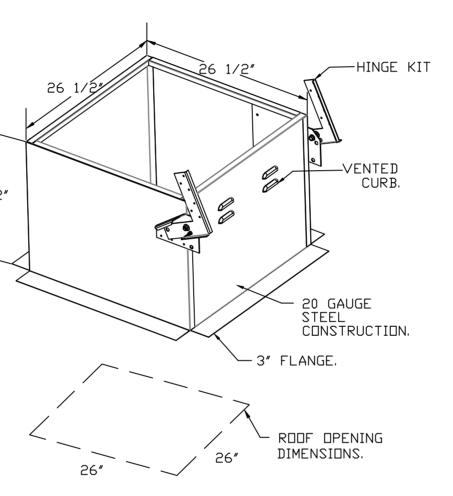
AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

- GREASE BOX. FAN BASE CERAMIC SEAL DU/DR180HFA INSTALLED AT PLANT FOR GREASE
- DUCTS.
 EXHAUST FAN HEAT BAFFLE.
 2 YEAR PARTS WARRANTY.



TOP VIEW





REVISIONS

9089 ING 4 (/) Z NSING \circ

DATE: 6/6/2024

6838657

DWG.#:

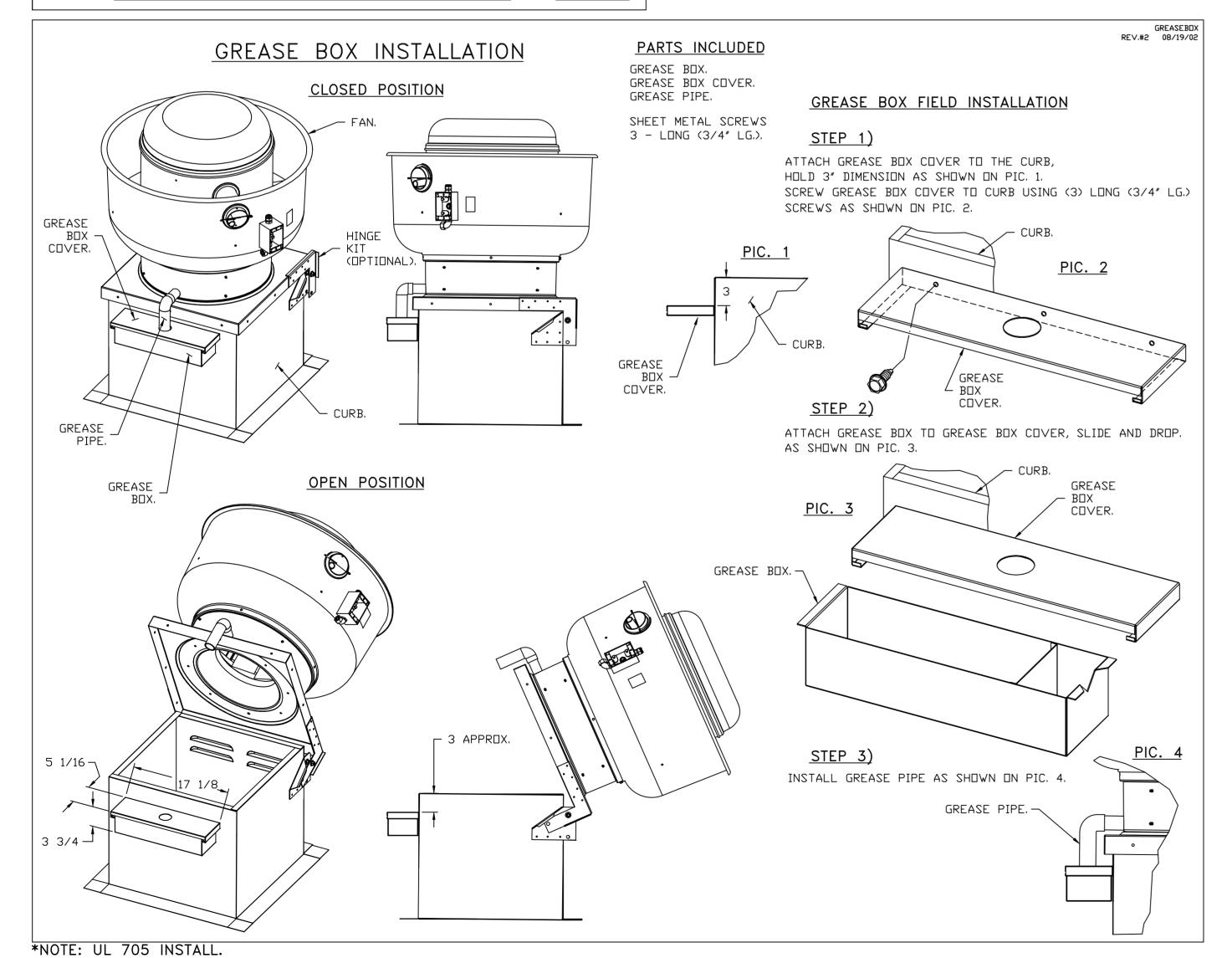
DRAWN DCM-56 SCALE:

3/4" = 1'-0" **MASTER DRAWING**

SHEET NO.

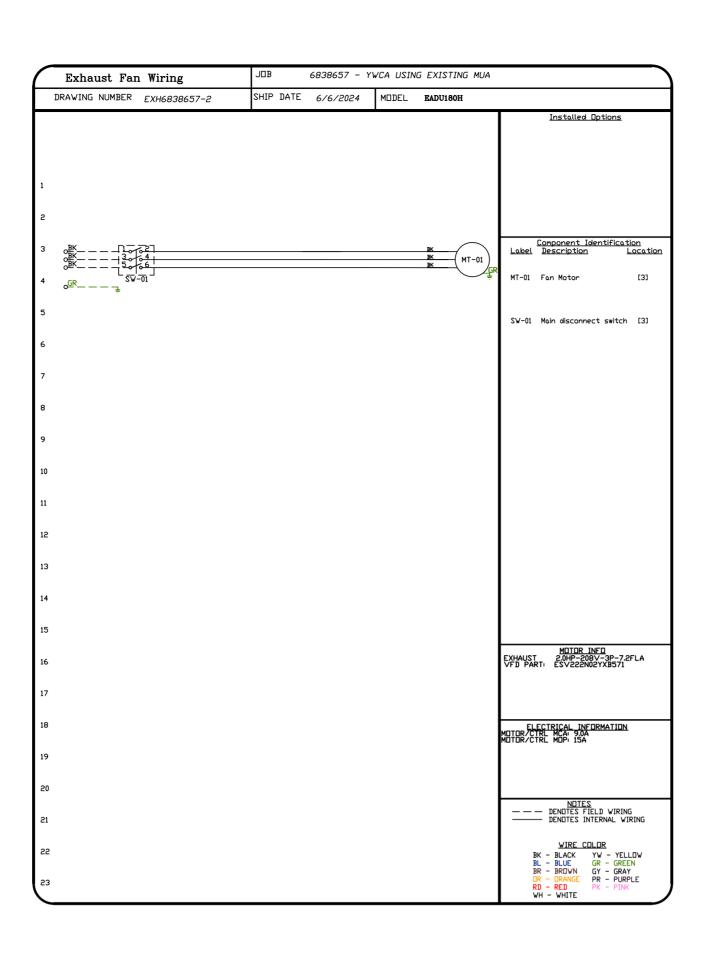
IF THE DUCT OR CHIMNEY IS WITHIN 18 INCHES OF COMBUSTIBLE MATERIAL, PROVIDE UL-2221 OR UL-103 HT LISTED DOUBLE WALL GREASE DUCT OR DOUBLE WALL CHIMNEY EQUAL TO ECON-AIR MODEL "EDW- 2R, 2R TYPE HT, 3R, OR 3Z" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.

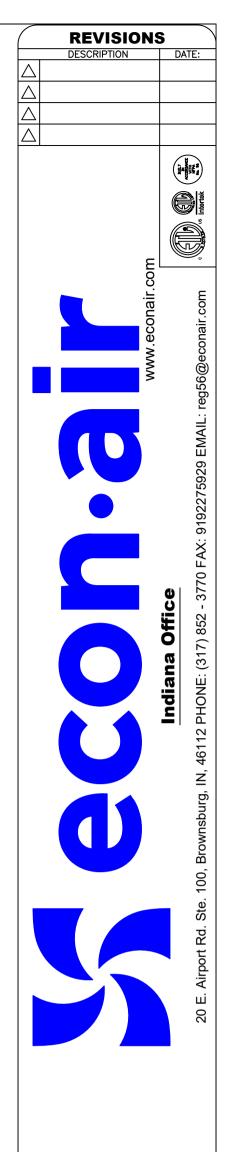
CUSTOMER APPROVAL TO MANUFACTURE: APPROVED AS NOTED APPROVED WITH NO EXCEPTION TAKEN REVISE AND RESUBMIT SIGNATURE YOUR TITLE DATE



REVISIONS 989 $\langle \rangle$ Z NSING **DATE:** 6/6/2024 DWG.#: 6838657 DRAWN DCM-56 SCALE: 3/4" = 1'-0" **MASTER DRAWING** SHEET NO.

Exhaust Fan Wiring JOB 6838657 - YWCA USING EXISTING MUA								
DRAWING NUMBER EXH6838657-1	SHIP DATE	6/6/2024	MODEL	EADU180H				
DRAWING NUMBER EXH6838657-1	SHIF DATE	6/6/2024	MUDEL	BK MT-01	Installed Options Component Identification Label Description Location MT-01 Fan Motor [3] SW-01 Main disconnect switch [3]			
2 2 3								
5					MUTUR INFU EXHAUST 2.0HP-208V-3P-7.2FLA VFD PART: ESV222N02YXB571			
9					FLECTRICAL INFORMATION MOTOR/CTRL MCA: 9.0A MOTOR/CTRL MOP: 15A			
20 21 22 23					MOTES			





YWCA USING EXISTING MUA Fort Wayne, IN, 46808

DATE: 6/6/2024

DWG.#:

DWG.#: 6838657

DRAWN BY: DCM-56

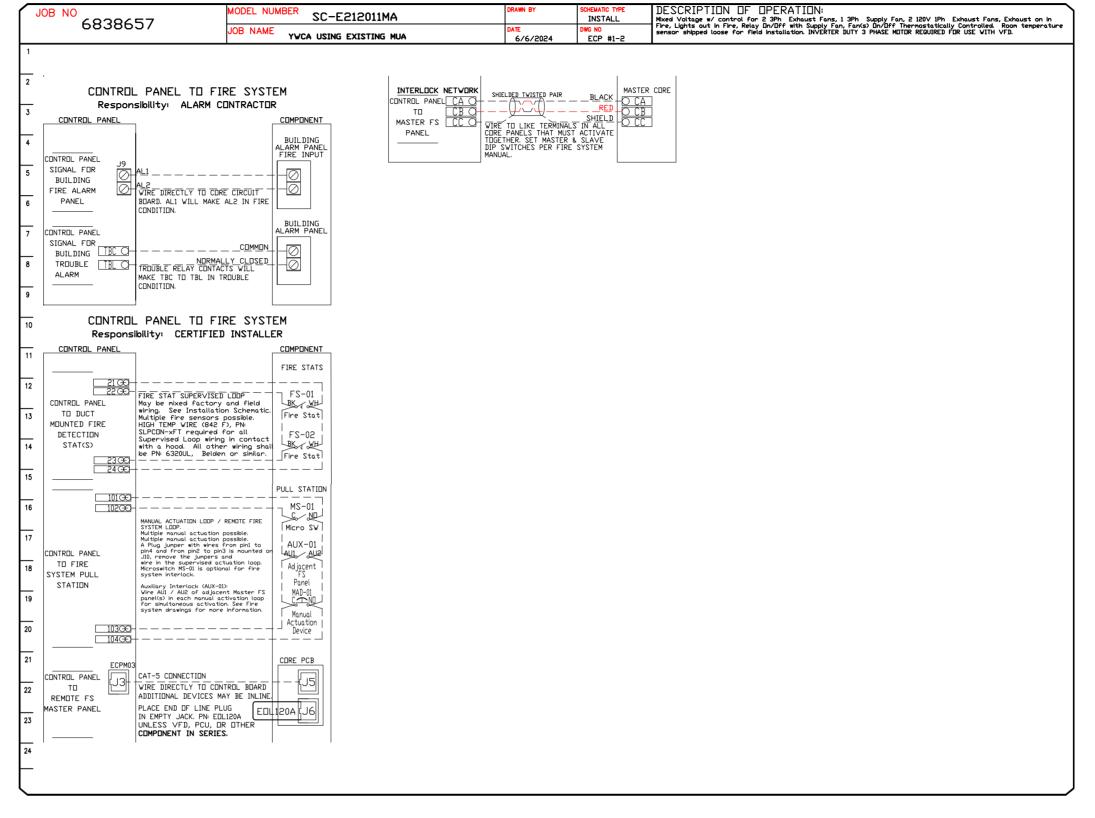
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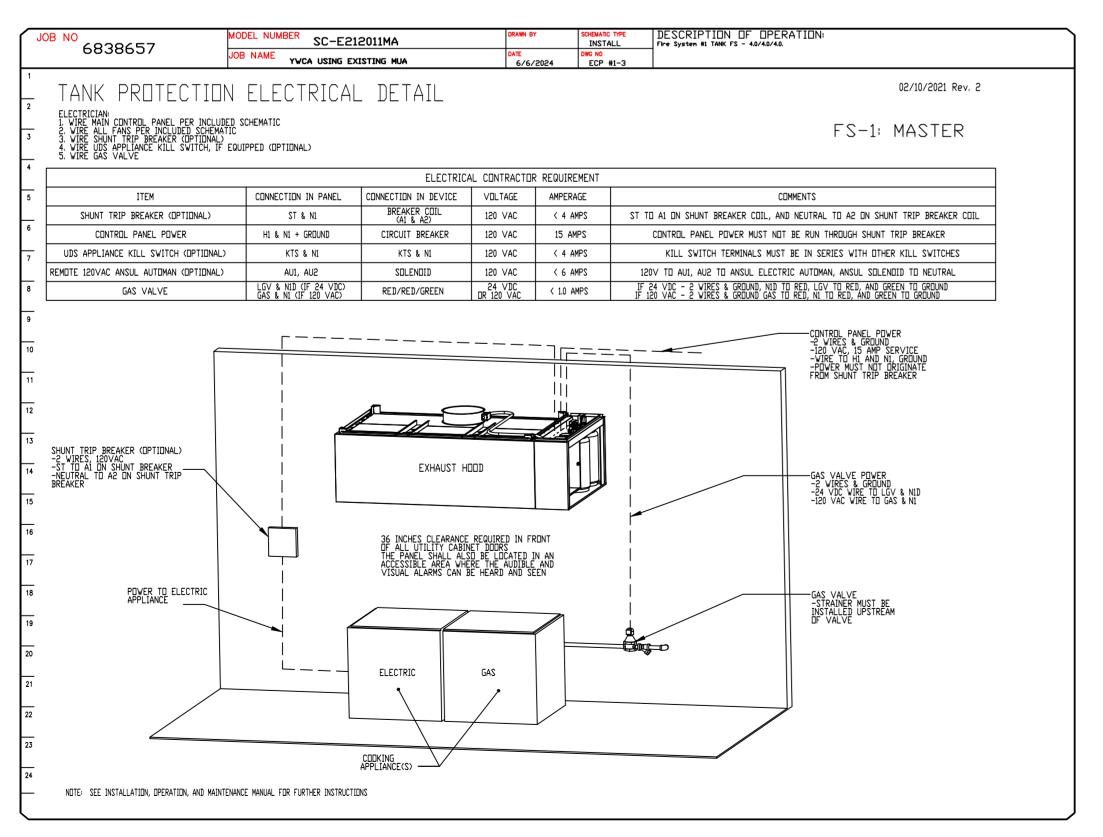
MASTER DRAWING

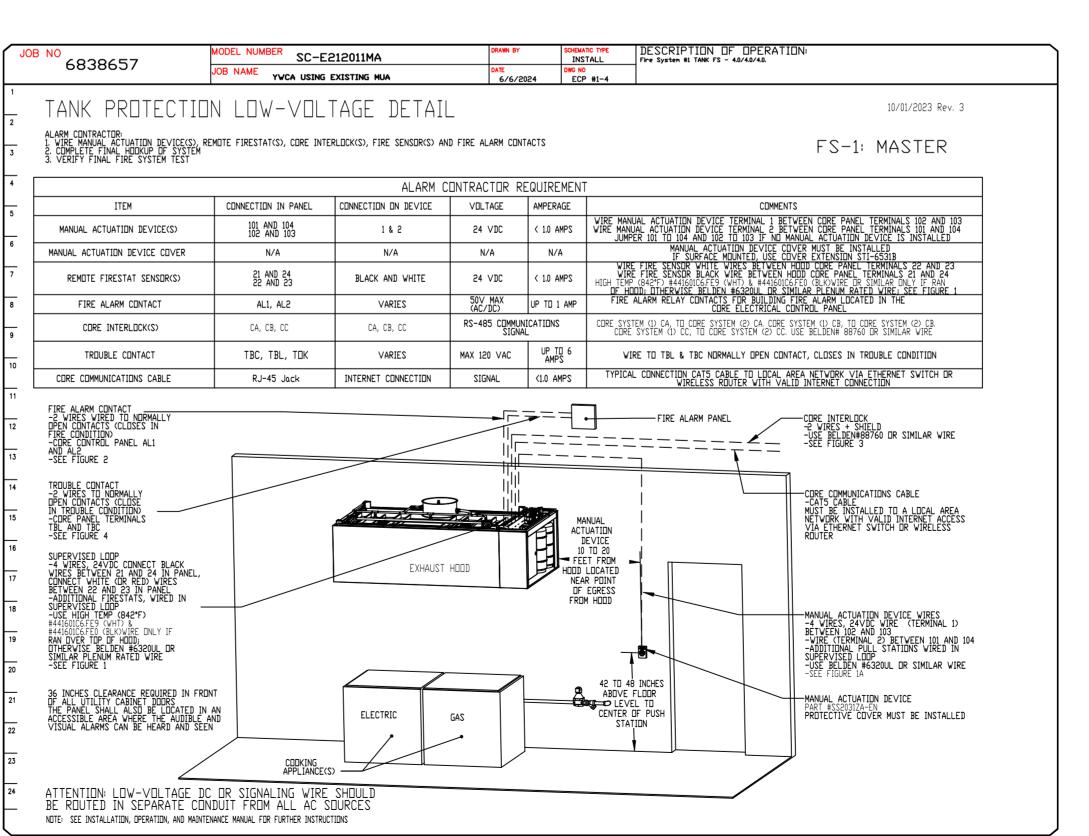
SHEET NO.

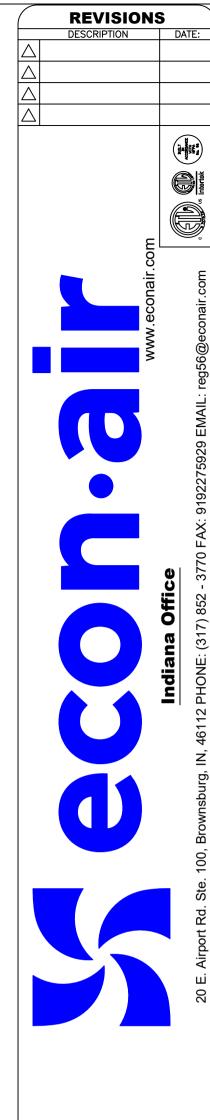
ELI	CTRICAL	PACKAGE -	J0B#6838657								
N□	TAG	PACKAGE #		SWITCHES		OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY		TYPE	ф	HP	VOLT	FLA
1		SC-E212011MA	WALL MOUNT IN SS BOX	UTILITY CABINET RIGHT	1 LIGHT	SMART CONTROLS THERMOSTATIC CONTROL W/ RELAY ON/OFF WITH SUPPLY	EXHAUST	3	2.000	208	7.2
							EXHAUST	3	2.000	208	7.2
							SUPPLY	3	5.000	208	15.8
					1 FAN		EXHAUST	1	0.750	115	11.0
							EXHAUST	1	0.750	115	11.0

IOD NO	MODEL NUMBER		DRAWN BY	SCHEMATIC TYPE	DESCRIPTION	N OF OPERATION:		
JOB NO 6838657 MODEL NUMBER SC-E2120 JOB NAME YWCA USING EXIST		MA		INSTALL			uns, 1 3Ph Supply Fan, 2 120V 1Ph Exi Fan, Fan(s) On/Off Thermostatically C	naust Fans, Exhaust on In ontrolled. Room temperatu
		MUA	DATE 6/6/2024	DWG NO ECP #1-1	sensor shipped loose	e for field installation. INVE	Fans, 1 3Ph Supply Fan, 2 120V 1Ph Exhaust Fans, Exhaust ply Fan, Fan(s) Dn/Dff Thernostatically Controlled. Room te/ERTER DUTY 3 PHASE MOTOR REQUIRED FOR USE VITH VFD.	
 BREAKER PANEL TO PRIMARY	CONTROL PANEL		<u>IAD LEG 1</u>	FAN: 02 EXH		CONTROL PANEL TIA O		
Responsibility: Elect		311 [] V []	AD LEG 3		VDLT: 208 V	ROOM TEMP	WIRE TO CONTROL BOARD, INSTALL SENSOR IN ROOM AWAY FROM HEAT	ROOM TEMP
BREAKER SIZE SHOWN IS THE MA	AXIMUM ALLOWED PRIMARY CONTROL PANEL		T HAVE ITS DWN			SENSOR	SDURCES. DD NOT INSTALL SENSOR DN THE CEILING GRID, SEE MANUAL.	GROUPS:
BREAKER 1PH	Hot		NOT SHARE CONDU	FAN: 04 EXH	1-4	CONTROL PANEL T2AO-		
- 120 V CONTROL POWER. DO NE TO GFCI OR SHUNT TRIP BREAKER.	Ground CND	Load Wiring T1 C LEG 2 / VIRE DIRECT GNDO	NEUTRAL		O HP: 0.750 VDLT: 115 V	CAPTURE VOLUME SENSOR	WIRE TO CONTROL BOARD. SENSOR MOUNTED IN HOOD CAPTURE VOLUME.	HOOD 1 CAPTURE 1
1ST HOOD LIGHT BREAKER SHARED CONTROL POWER. SWITCH #1	D W/	TB OTFICE		DISCON	. –	CONTROL PANEL T3AO		
<u> </u>	LINE		i 1 / HDT	FAN: 05 EXH		TO T3BO	WIRE TO CONTROL BOARD.	HOOD 2 CAPTURE 1
BREAKER 3PH		C-1 T4 O LEG 2 / WIRE DIRECT GNDO	_ NEUTRAL		UD. 0.7E0	SENSOR	SENSOR MOUNTED IN HOOD CAPTURE VOLUME.	CAPTONE I
MDCP: 20 A EXH-1 SM-1		TO STARTER		WIRE DISCON		CONTROL PANEL TAAO		
WIRE TO VFD QUICK CONNECTION BREAKER 3PH	LINE		AD LEG 1	FAN: 03 SUF	2-3 FLA:15.8	DUCT SENSOR	WIRE TO CONTROL BOARD. SENSOR MOUNTED IN EXHAUST DUCT	SHIP LOOSE DUCT STAT
208 V	LINE		AD LEG 2	BLACK O	HP1 5,000	CONTROL PANEL TSA O		
MCA 9.0 A	GroundOGND	VFD QUICK H1 0	AD LEG 3	RED WHITE N1	-	TO TSBC-	WIRE TO CONTROL BOARD. SENSOR MOUNTED IN EXHAUST DUCT	SHIP LOOSE DUCT STAT
1 WIRE TO VED GOICK CONNECTE	llat .		GROUND	GREEN	_	CONTROL DANG CAS O	HOT TO GAS VALVE	GAS SOLENDID
BREAKER 1PH			T HAVE ITS DWN			CONTROL PANEL GAS O-	NEUTRAL	
115 V MCAI: 13.8 A MDCP1: 20 A	GroundOGND	FROM PANEL WITH ECPM03.	N□T SHARE C□NDU REM□VE JUMPER			GAS VALVE 120V DNLY	ONLY ENERGIZED THROUGH LCD HMI WHEN FIRE SYSTEM ARMED.	
3 BREAKER 1PH 115 V	Hot	MAKE UP AIR ON PCB DAMPER ILIAC PROVING ILIBO INTERLOCK	VOLTAGE CONNEC	MUA ZOI - D3 - D7 TION FOR TERMINAL			THE FOLLOWING CONNECTIONS MAY OR MAY NOT BE REQUIRED BASED ON JOBSITE SPECIFICATIONS	
MCA2: 13.8 A EXH-5	GroundOGND	DAM/ MULT ZONE HAVE	ER INTERLOCK, WI IPLE SUPPLY ON IN SERIES, SHOUI CONTINUITY WHE	HE SAME IF MUA BY	DTHERS	CONTROL PANEL ST O-	HDT_TD_SHUNT_COIL NEUTRAL_FROM_SHUNT_COIL	SHUNT COIL
BREAKER 3PH	LINE	N□T	ROVEN OPEN. REQUIRED FOR ALI MAKE-UP AIR SCHE			EXTERNAL SHUNT TRIP	ST TERMINAL IS ENERGIZED IN FIRE CONDITION.	OCHUTA OTED OCH
6 208 V	LINE					CONTROL PANEL KS O- SIGNAL FOR N1 O-	HOT_TO_CONTACTOR_COIL_ NEUTRAL_TO_CONTACTOR_COIL_	CONTACTOR_COIL
WIRE TO VFD QUICK CONNECTE	DR	CONTROL PANE Respons	L TO ACCES			EXTERNAL CONTACTOR COIL	KS TERMINAL IS DE-ENERGIZED IN FIRE CONDITION.	
B .		CONTROL PANEL		COMPON	ENT	CONTROL PANEL H1 O-		BMS SWITCH
CONTROL PANEL TO Responsibility: Elect		1 14H +	DIRECTLY TO CONTR	OL BOARD HMI		TO III O	SIGNAL SWITCH THROUGH BMS WILL ACTIVATE ZONE1 FANS AND	
PRIMARY PANEL	FANS	REMOTE PLA	CONNECTION ACE END OF LINE PL EMPTY JACK, PN: EO	UG 120A EDL 120A (2		SWITCH	LIGHTS	
_ LOAD Wiring	FAN: 01 EXH-1			BLACK HOOD LIG	-	CONTROL PANEL LGVO-	POSITIVE TO GAS VALVE NEGATIVE	GAS SOLENOID
VFD QUICK GNDO - GROUND - CONNECTOR MUST HAVE ITS OWN	WIRE TO DISCONNECT	TO WIO	TD J-BOX ON TOP	WHITE		GAS VALVE 24V DC DNLY	DNLY ENERGIZED THROUGH LCD HMI WHEN FIRE SYSTEM ARMED. (NOT NEEDED IF USING 120V GAS VALVE).	
_ DO NOT SHARE CONDU	0111	1400 W MAX						
,								
-								









YWCA USING EXISTING Fort Wayne, IN, 46808

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MUA

DWG.#: 6838657

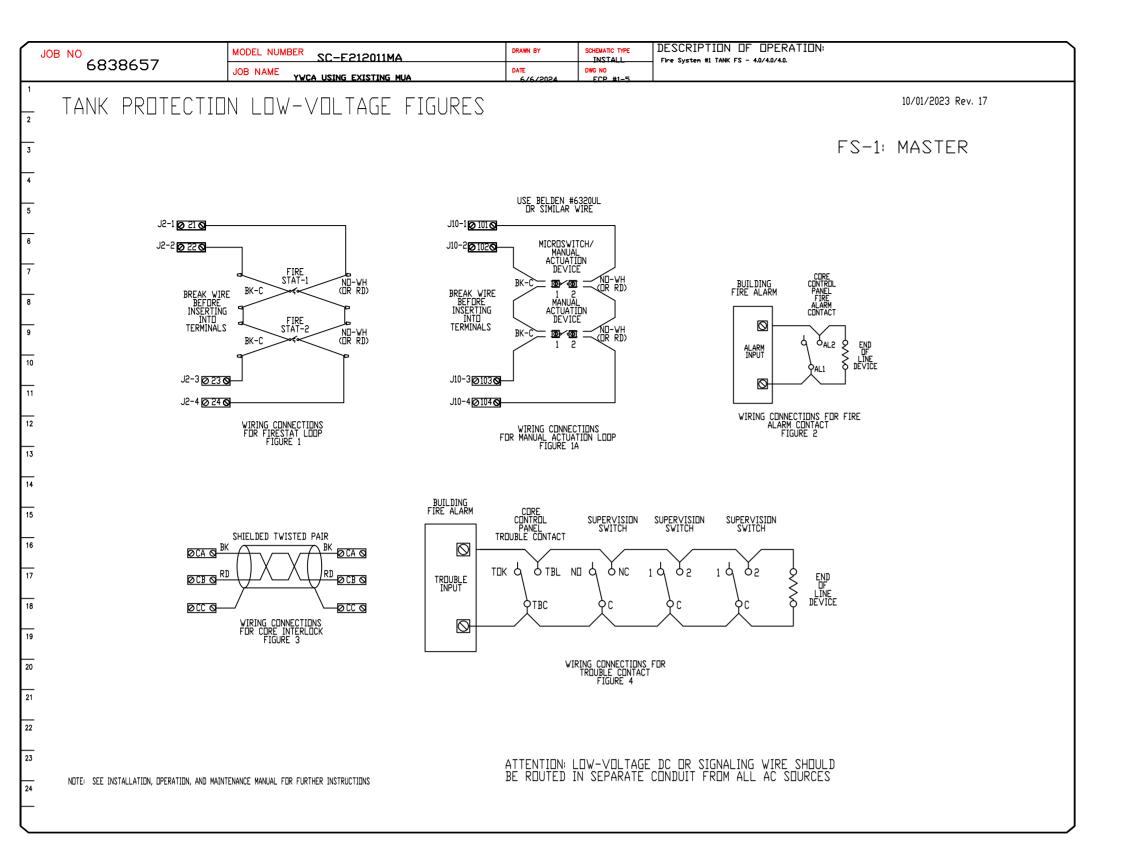
DATE: 6/6/2024

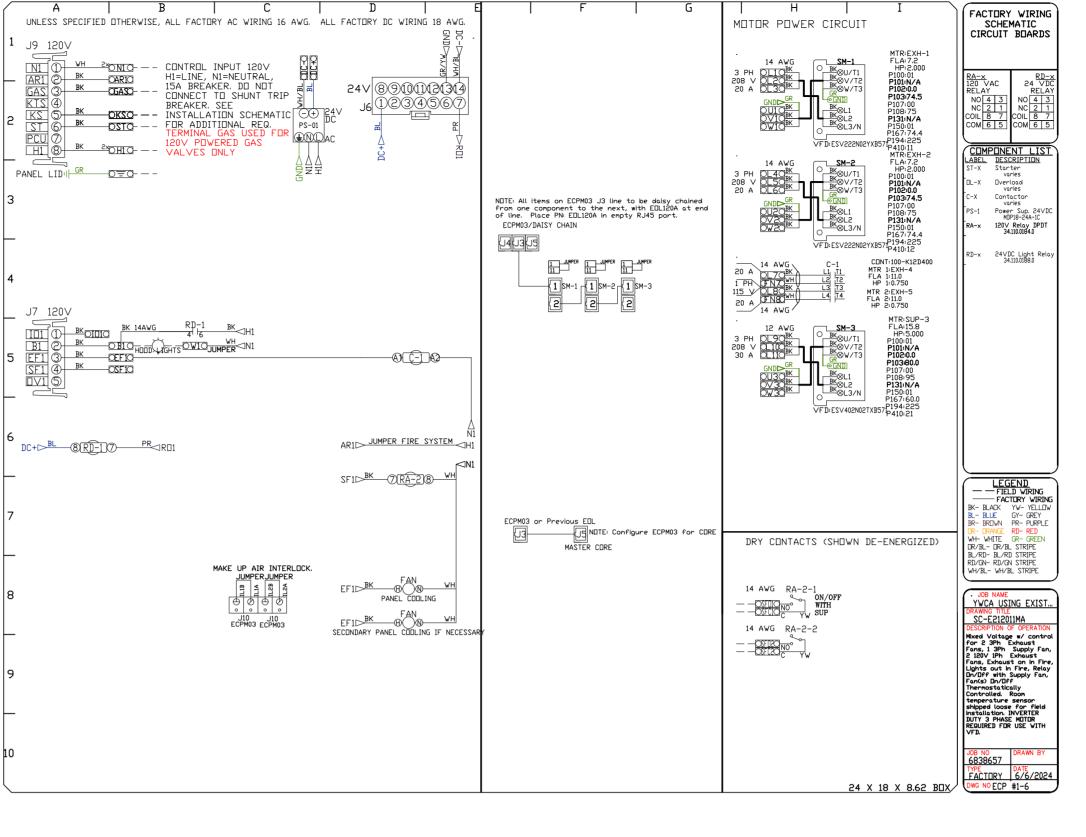
DRAWN DCM-56

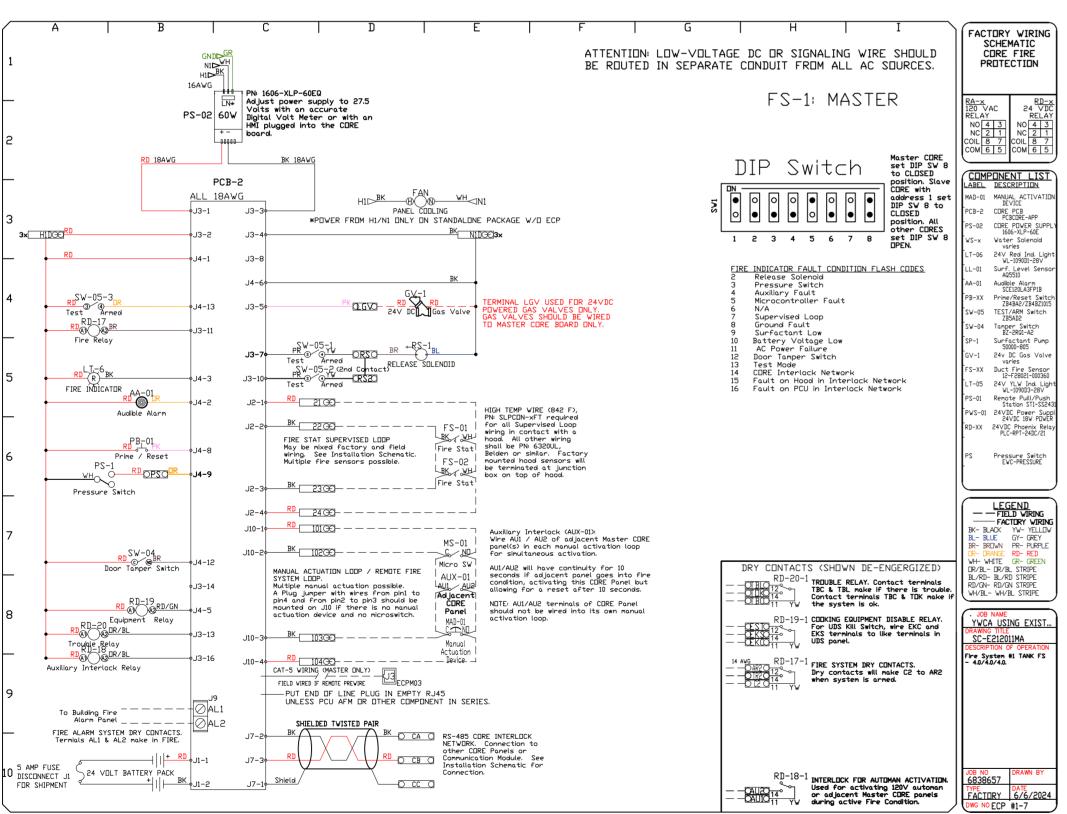
SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO.









REVISIONS

DESCRIPTION DATE:

 ∞ ING ∞ 9 4 **(/)** \vdash Z \vdash SIN \rightarrow \triangleleft \circ **DATE:** 6/6/2024

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6838657

DWG.#:

DRAWN BY: DCM-56

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO.

SYSTEM DESIGN VERIFICATION (SDV)

IF ORDERED, CAS SERVICE WILL PERFORM A SYSTEM DESIGN VERIFICATION (SDV) ONCE ALL EQUIPMENT HAS HAD A COMPLETE START UP PER THE OPERATION AND INSTALLATION MANUAL. TYPICALLY, THE SDV WILL BE PERFORMED AFTER ALL INSPECTIONS ARE COMPLETE.

ANY FIELD RELATED DISCREPANCIES THAT ARE DISCOVERED DURING THE SDV WILL BE BROUGHT TO THE

ATTENTION OF THE GENERAL CONTRACTOR AND CORRESPONDING TRADES ON SITE, THESE ISSUES WILL BE DOCUMENTED AND FORWARDED TO THE APPROPRIATE SALES OFFICE, IF CAS SERVICE HAS

RESOLVE A DISCREPANCY THAT IS A FIELD ISSUE, THE GENERAL CONTRACTOR WILL BE NOTIFIED AND BILLED FOR THE WORK, SHOULD A RETURN TRIP BE REQUIRED DUE TO ANY FIELD RELATED DISCREPANCY THAT CANNOT BE RESOLVED DURING THE SDV, THERE WILL BE ADDITIONAL TRIP CHARGES.

DURING THE SDV, CAS SERVICE WILL ADDRESS ANY DISCREPANCY THAT IS THE FAULT OF THE MANUFACTURER. SHOULD A RETURN TRIP BE REQUIRED, THE GENERAL CONTRACTOR AND APPROPRIATE SALES OFFICE WILL BE NOTIFIED. THERE WILL BE NO ADDITIONAL CHARGES FOR MANUFACTURER DISCREPANCIES.

REVISIONS DESCRIPTION DATE:

> WCA USING EXISTING MUA ort Wayne, IN, 46808

DATE: 6/6/2024

DWG.#: 6838657

DRAWN DCM-56

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO.