

Comfort Systems USA (Arkansas), Inc.
P.O. Box 16620
Little Rock, AR 72231
Phone 501-834-3320
Fax 501-834-5416

Date: 07/14/2026
Return Request: 08/11/2026
Project: Highlands Building at Pinnacle Hills
Supplier: Comfort Systems USA
Manufacturer: Various
Submittal: Captive Aire Systems
Submittal Number: M-605 and M606
Drawing # and Installation: Mechanical

ARCHITECT

Crafton Tull
Fayetteville, Ar

ENGINEER

IMEG

GENERAL CONTRACTOR

Clark Contractors
Rogers, Ar

MECHANICAL SUBCONTRACTOR

Comfort Systems USA (Arkansas), Inc.
116 Commercial Ave.
Lowell, AR 72745
(479) 770.8992

NOTES:

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CSUSA PROJECT NO.
26-5034

jzuber@comfortar.com

Submittal

JOB NAME	Highlands Building at Pinnacle Hills Rogers
JOB NUMBER	26ADCA0017-1
PRODUCT	Kitchen Ventilation System - Hood, Fan, Grease Duct
MANUFACTURER	Captive-Aire Systems
LOCATION	Rogers, AR
DATE	June 25, 2026
SPECIFICATION	Sheets M-605, M-606
LEAD TIME	4 Weeks
ENGINEER	IMEG
CONTRACTOR	Knight & Wilson
SUBMITTED BY	Chris Atwood

FOR QUESTIONS, CALL THE
Arkansas Mechanical
REGION 146
PHONE: (501) 500 - 5450
EMAIL: reg146@captiveaire.com

HOOD INFORMATION - JOB#8358931

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)							HOOD CONSTRUCTION	HOOD CONFIG	
										WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP		END TO END	ROW
1	KH-1	5424 ND-2	CAPTIVEAIRE	4' 0"	600 DEG	I	HEAVY	150	600			4'	8'	600	1719	-0.496'	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	FILTER(S)					LIGHT(S)			UTILITY CABINET(S)						FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM		ELECTRICAL	SWITCHES		
												TYPE	SIZE	MODEL #	QUANTITY		
1	KH-1	CAPTRATE SOLD FILTER	2	16"	20"	85% SEE FILTER SPEC	1	RECESSED ROUND	NO	LEFT	12"x54"x24"	TANK FS	4.0	SC-110110MA	1 LIGHT 1 FAN	YES	608 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	KH-1	FIELD WRAPPER 18.00' HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 80.00' HIGH X 60.00' LONG 430 SS VERTICAL.
		INSULATION FOR TOP OF HOOD.
		INSULATION FOR BACK OF HOOD.
		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.

SPECIFICATION: CAPTRATE® GREASE-STOP® SOLD FILTER

THE CAPTRATE GREASE-STOP SOLD 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.

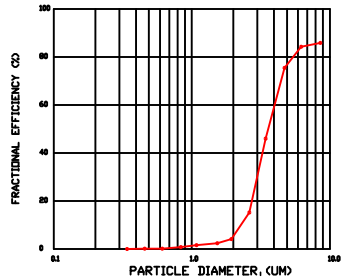
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

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

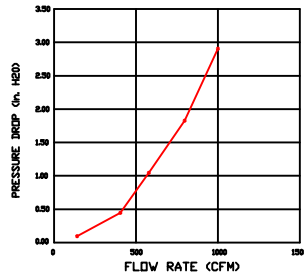
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLD WAS TESTED TO ASTM STANDARD ASTM F2519-05. MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.

EFFICIENCY VS. PARTICLE DIAMETER



PRESSURE DROP VS. FLOW RATE



CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:
NFPA #96.
NSF STANDARD #2.
UL STANDARD #1046.
INT. MECH. CODE (IMC).
ULC-S649.



CAPTIVEAIRE

JOB Highlands Oncology	
LOCATION Springdale, AR, 72762	
DATE 6/25/2026	JOB # 8358931
DWG # 1	DRAWN BY ELL 146
REV.	SCALE 3/8" = 1'-0"



GREASE DUCT & CHIMNEY SPECIFICATIONS:

PROVIDE GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW" ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK. MODEL "DW" IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "DW" 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 "DW" 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 CAPTIVEAIRE SYSTEMS MODEL "DW- 2R, 2R TYPE HT, 3R, OR 3Z" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.

CAPTIVEAIRE SYSTEMS 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

CUSTOMER APPROVAL TO MANUFACTURE:

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

PATENT NUMBERS

EXHAUST HOODS ND-2/BD-2/SND-2 (CANADA) - CA PATENT 2520435 C.



CAPTIVEAIRE

JOB Highlands Oncology

LOCATION Springdale, AR, 72762

DATE 6/25/2026

JOB # 8358931

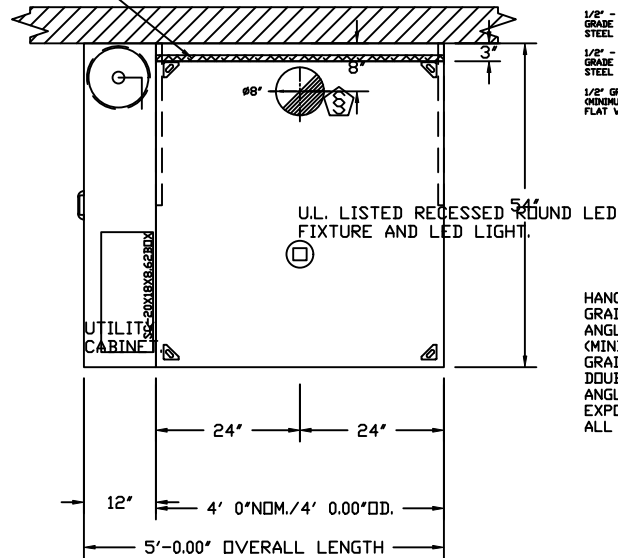
DWG # 2

DRAWN BY ELL 146

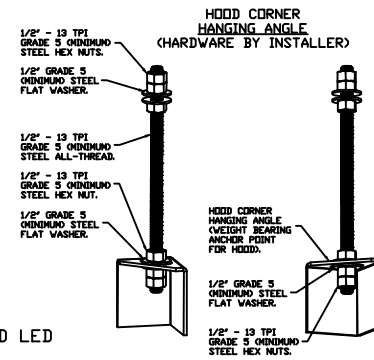
REV.

SCALE 3/8" = 1'-0"

1" LAYER OF INSULATION FACTORY
INSTALLED IN INTERNAL BACK STANDOFF.
MEETS 0 INCH REQUIREMENTS FOR
CLEARANCE TO COMBUSTIBLE SURFACES.

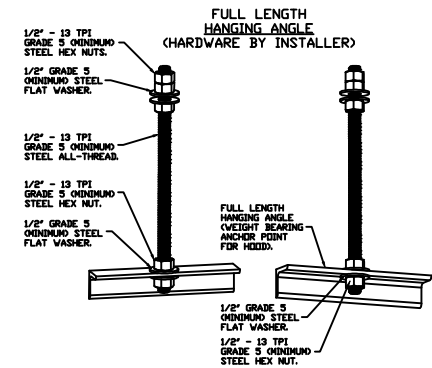


PLAN VIEW - HOOD #1 (KH-1)
4' 0.00" LONG 5424ND-2



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



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CLEARANCE TO COMBUSTIBLES

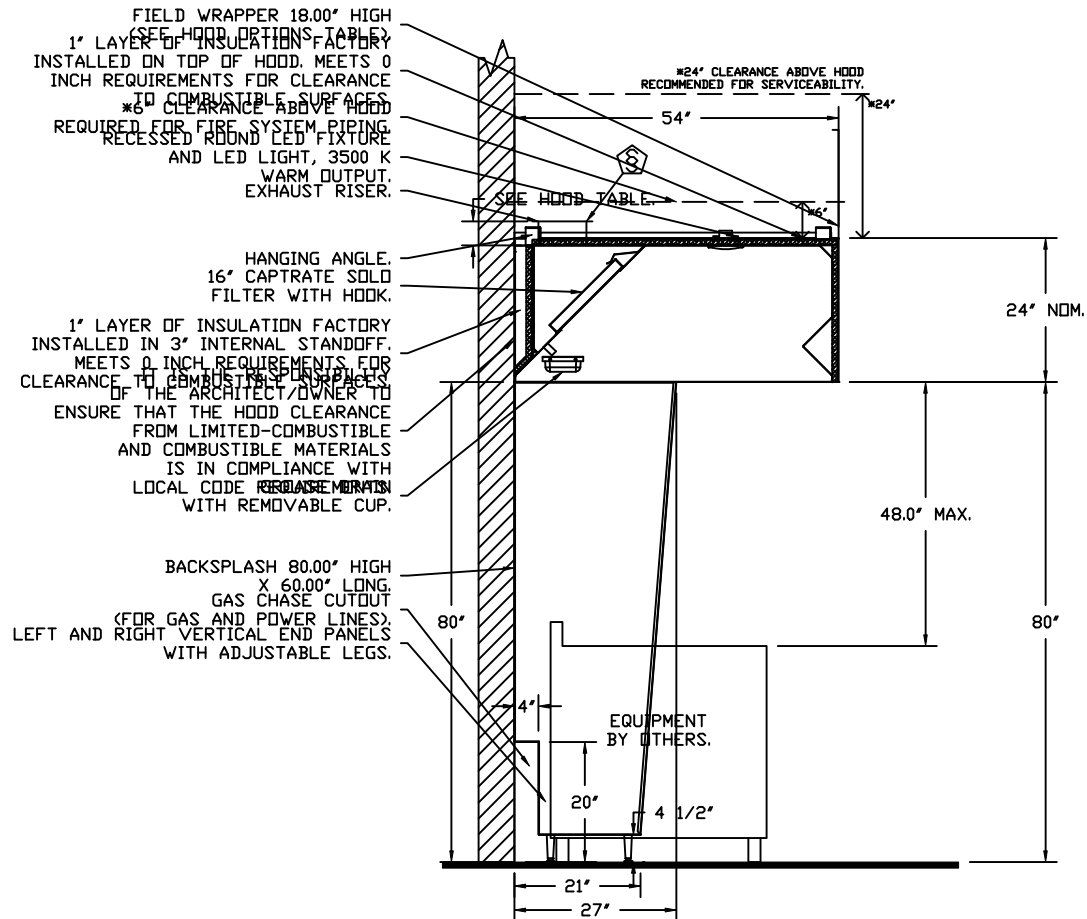
HOODS #	SURFACE	*CLEARANCE
1	TOP	0"
	FRONT	0"
	BACK	0"
	LEFT	0"
	RIGHT	18"

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



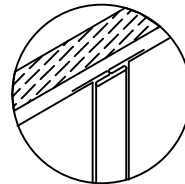
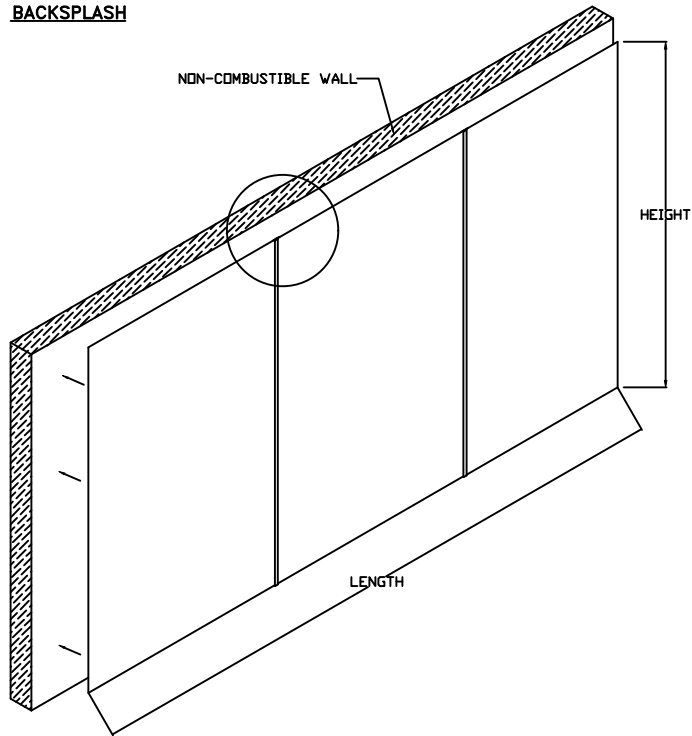
CAPTIVEAIR

JOB Highlands Oncology	
LOCATION Springdale, AR, 72762	
DATE 6/25/2026	JOB # 8358931
DWG # 3	DRAWN BY Eli 146
REV.	SCALE 3/8" = 1'-0"



SECTION VIEW - MODEL 5424ND-2
HOOD - #1 (KH-1)

BACKSPLASH



BACKSPLASH PANELS
SLIDE INTO DIVIDER
BAR

- BACKSPLASH IS NOT
INSULATED AND IS UNSUITABLE
FOR INSTALL AGAINST
COMBUSTIBLE WALLS

FIRE SYSTEM INFORMATION – JOB#8358931

FIRE SYSTEM NO	TAG	TYPE	SIZE	MAX FP	DESIGN FP	INSTALLATION	
						SYSTEM	LOCATION ON HOOD
1	FS-1	TANK FS	4.0	20	18	FIRE CABINET LEFT	LEFT, HOOD 1

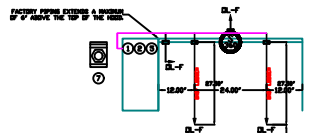
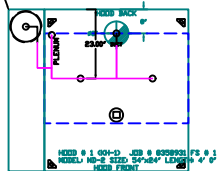
FIRE SYSTEM PARTS LIST KEY

FIRE SYSTEM NO	TAG	KEY NUMBER – PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST
1	FS-1	0 - 0 - TANK STRAP - TANK STRAP - USED FOR TANK FIRE SUPPRESSION.	3	0
		0 - 0 - TFS-UCTANKBRACKET - TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - WK-283952-000 - DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-300152-001 - HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	4	0
		34 - 34 - A0034331 - RED COLOR - 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT.	1	0
		0 - 0 - A0034332 - JUNCTION BOX FOR MANUAL PULL STATION. 1.5" DEEP BACK BOX, RED COLOR.	1	0
		0 - 0 - DATANKLOCK - DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 98694A115 - HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC, TANK FIRE SUPPRESSION.	2	0
		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 - 4429K153 - 1/2" MALE NPT TO 1/2" FEMALE NPT ELBOW, BRASS.	1	0
		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.	1	0
		0 - 0 - 79525 - 1/2" 90 PRO-PRESS ELBOW WITH 1/2" NPT FEMALE CONNECTION, VIEGA.	1	0
		0 - 0 - 4429K422 - 1/2" X 1/4" BRASS REDUCING BUSHING.	1	0
		0 - 0 - 79580 - 1/2" X 1/2" PRO-PRESS TEE X 1/2" NPT FEMALE CONNECTION, VIEGA.	1	0
		0 - 0 - 87-300030-001 - PRIMARY ACTUATOR KIT (PAK) - ACTUATOR AND RELEASE SOLENOID ASSEMBLY, ONE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-300033-001 - DIN CONNECTOR, CANFIELD PART #5J560-201-EU0A, TANK FIRE SUPPRESSION, SUBMINATURE SOLENOID CONNECTION (CED VENDOR 30377).	1	0
		0 - 0 - 87-300001-001 - TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 12-F28021-32144-OT-360 - DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. NO, CLOSE ON TEMP RISE AT 360°F. (A0034310).	1	0

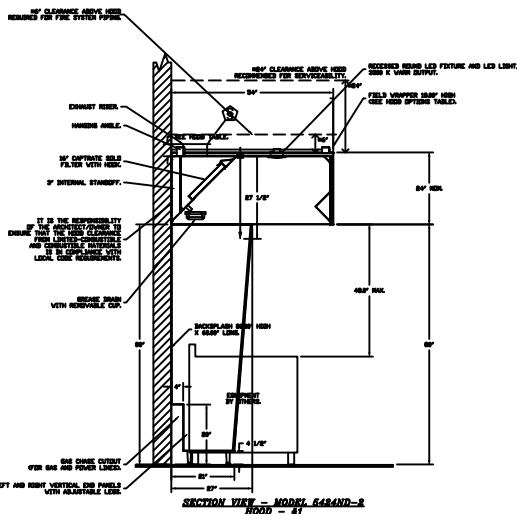

CAPTIVEAIRE

JOB Highlands Oncology	
LOCATION Springdale, AR, 72762	
DATE 6/25/2026	JOB # 8358931
DWG # 6	DRAWN BY ELL 146
REV.	SCALE 3/8" = 1'-0"

- SYSTEM PROVIDES A MINIMUM OF 7.5 FT OF EQUIVALENT PIPE LENGTH EXCEPT FOR HOODS. HOODS ARE SHIPPED WITH A MINIMUM OF 15 FT OF EQUIVALENT LENGTH FOR HOODS THAT EXCEED



NOZZLE HEIGHT
30-36\"/>



SECTION VIEW - MODEL 64848D-2
HOOD - 81

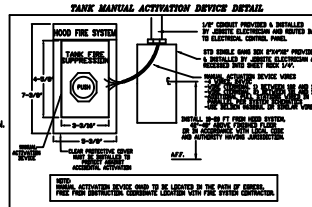
- NOTES
- FIELD PIPE DROPS AS SHOWN
 - PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
 - FIELD INSTALLED DROP FACTORY WILL PROVIDE QTY 2 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED.
 - SHIP LOOSE DROP FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD-INSTALLED.
 - RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
 - OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
 - IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE.
 - FACTORY PIPING EXTENDS A MAXIMUM OF 6' ABOVE THE TOP OF THE HOOD.
 - APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.
 - THIS PRE-ENGINEERED FIRE SYSTEM COMPLIES WITH UL 300 REQUIREMENTS.
 - DL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS
 - JOB #: 8358931
 - JOB NAME: HIGHLANDS ONCOLOGY - SPRINGDALE, AR.

SYSTEM SIZE: TANK-SP-1 DESIGN FP: 18, MAXIMUM FP: 20.
HOOD # 1: 4' 0.00\"/>

AGENT DISTRIBUTION PIPING LIMITATIONS	
PIPE SECTION	MAX PIPE LENGTH (FT)
MAX SUPPLY LINE TO FIRST OVERLAPPING NOZZLE	48
OVERLAPPING NOZZLE APPLIANCE BRANCH	18
DEDICATED NOZZLE APPLIANCE BRANCH	18

LEGEND - FIRE CABINET TANK SYSTEM

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



INCLUDED: FIELD INSTALLATION AND HOOKUP DURING NORMAL BUSINESS HOURS BY CERTIFIED INSTALLER ONLY IN THE LOCATION NOTED ABOVE. TWO SITE VISITS ONLY ONE VISIT TO SET PULL STATION & SYSTEM HOOKUP AND ONE VISIT FOR THE TEST. ADDITIONAL VISITS WILL RESULT IN ADDITIONAL CHARGES. ONE MECHANICAL OR ELECTRICAL GAS VALVE PER SYSTEM AT A MAXIMUM SIZE OF 3\"/>

EXHAUST FAN INFORMATION - JOB#8358931

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	GEF-1	1	DU33HFA	CAPTIVEAIRE	600	0.767	1432	TEAO-ECM	0.333	0.1770	1	115	4.3	297 FPM	85	14.1

FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	GEF-1	YES						

CURB ASSEMBLIES

NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	GEF-1	27 LBS	CURB	19.500"W X 19.500"L X 20.000"H VENTED HINGED.

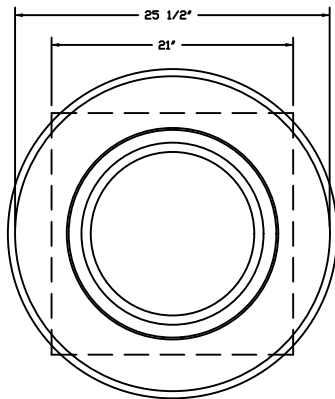
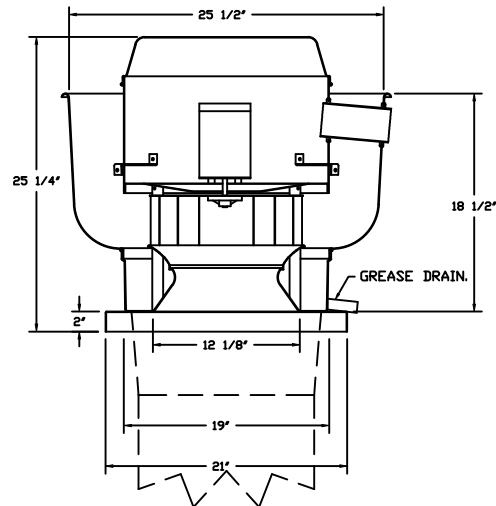
FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	GEF-1	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - DU/DR30/33HFA - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	THROUGH WALL CURB MOUNT INSTALLATION. CURB HEIGHT MUST BE MINIMUM 10' TALLER THAN WALL THICKNESS FOR USE WITH A HINGE KIT
		1	WALL MOUNT CONSTRUCTION FOR FAN
		1	SHIP LOOSE DISCONNECT FOR REMOTE MOUNT
		1	HINGE KIT LOCKING (XHD)- SHIPS LOOSE FOR CURB SUPPLIED BY OTHERS
		1	ECM WIRING PACKAGE - PWM SIGNAL FROM ECPMD3 PREWIRE (TELCO MOTOR), CCW ROTATION
		1	2 YEAR PARTS WARRANTY



JOB Highlands Oncology	
LOCATION Springdale, AR, 72762	
DATE 6/25/2026	JOB # 8358931
DWG # 9	DRAWN BY ELL 146
REV.	SCALE 3/8" = 1'-0"

FAN #1 DU33HFA - EXHAUST FAN (GEF-1)



TOP VIEW

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

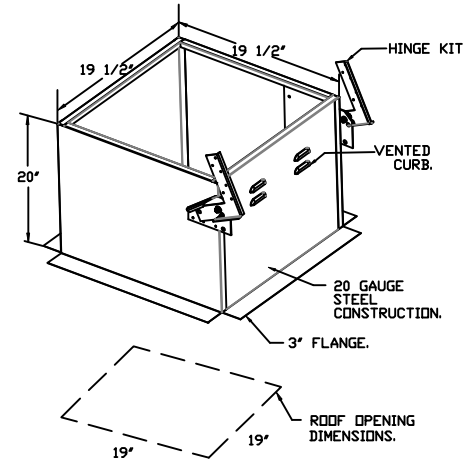
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST

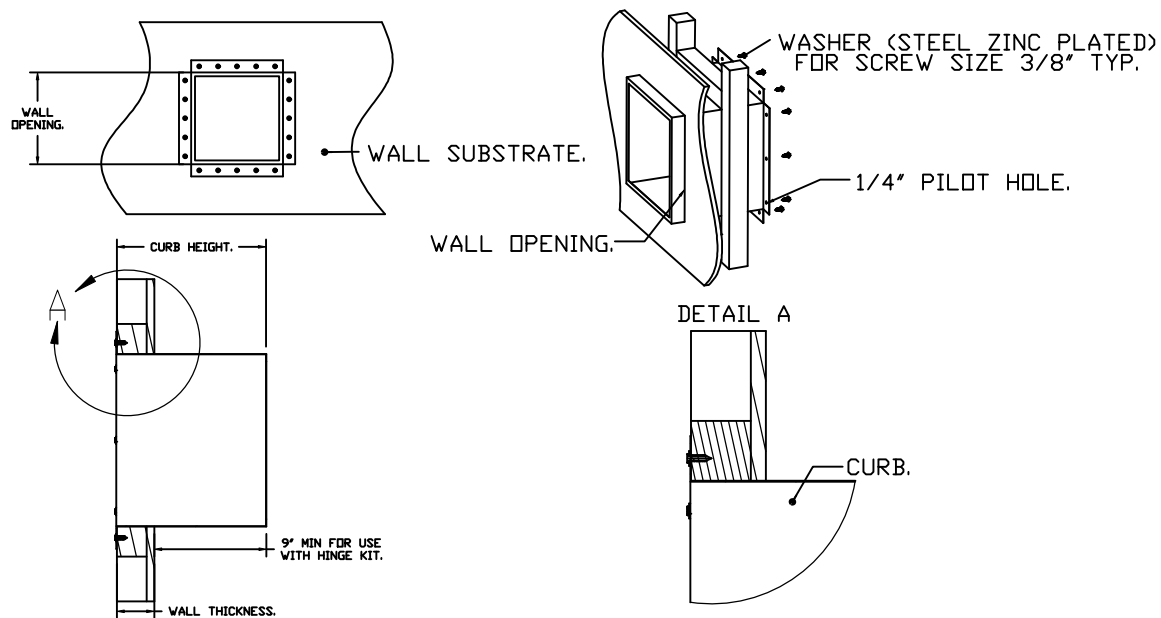
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS

- GREASE BOX.
- FAN BASE CERAMIC SEAL -
- DU/DR30/33HFA - INSTALLED AT PLANT
- FOR GREASE DUCTS.
- THROUGH WALL CURB MOUNT
- INSTALLATION. CURB HEIGHT MUST BE MINIMUM 10" TALLER THAN WALL THICKNESS FOR USE WITH A HINGE KIT.
- WALL MOUNT CONSTRUCTION FOR FAN.
- SHIP LOOSE DISCONNECT FOR REMOTE MOUNT.
- HINGE KIT LOCKING (XHD)- SHIPS LOOSE FOR CURB SUPPLIED BY OTHERS.
- ECM WIRING PACKAGE - PWM SIGNAL FROM ECPMD3 PREWIRE (TELCO MOTOR), CCW ROTATION.
- 2 YEAR PARTS WARRANTY.



THROUGH WALL CURB INSTALLATION





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CUSTOMER APPROVAL TO MANUFACTURE:

APPROVED AS NOTED ☐

APPROVED WITH NO EXCEPTION TAKEN ☐

REVISE AND RESUBMIT ☐

SIGNATURE _____

YOUR TITLE _____ DATE _____

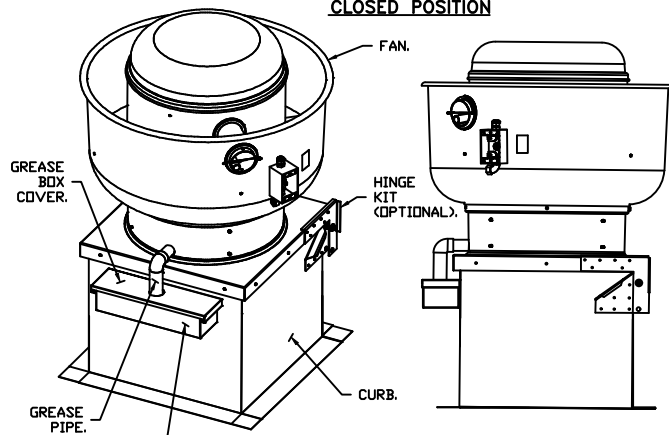


CAPTIVEAIRE

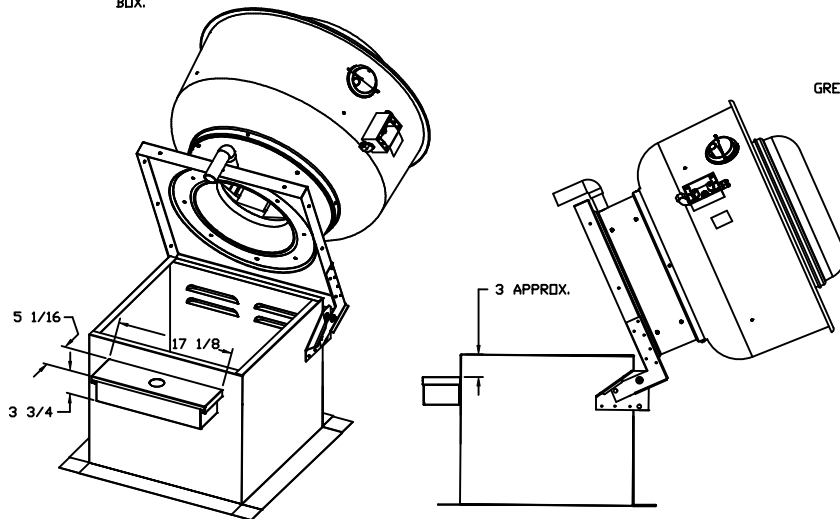
JOB Highlands Oncology	
LOCATION Springdale, AR, 72762	
DATE 6/25/2026	JOB # 8358931
DWG # 12	DRAWN BY Eli I 146
REV.	SCALE 3/8" = 1'-0"

GREASE BOX INSTALLATION

CLOSED POSITION



OPEN POSITION



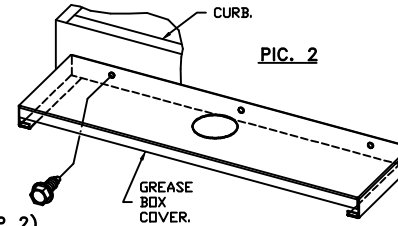
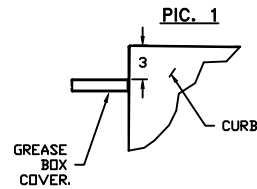
PARTS INCLUDED

GREASE BOX.
GREASE BOX COVER.
GREASE PIPE.
SHEET METAL SCREWS
3 - LONG (3/4" LG.).

GREASE BOX FIELD INSTALLATION

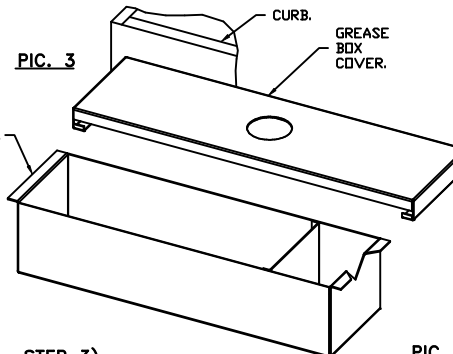
STEP 1)

ATTACH GREASE BOX COVER TO THE CURB,
HOLD 3" DIMENSION AS SHOWN ON PIC. 1.
SCREW GREASE BOX COVER TO CURB USING (3) LONG (3/4" LG.)
SCREWS AS SHOWN ON PIC. 2.



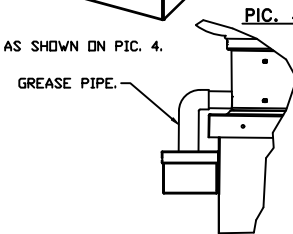
STEP 2)

ATTACH GREASE BOX TO GREASE BOX COVER, SLIDE AND DROP.
AS SHOWN ON PIC. 3.



STEP 3)

INSTALL GREASE PIPE AS SHOWN ON PIC. 4.

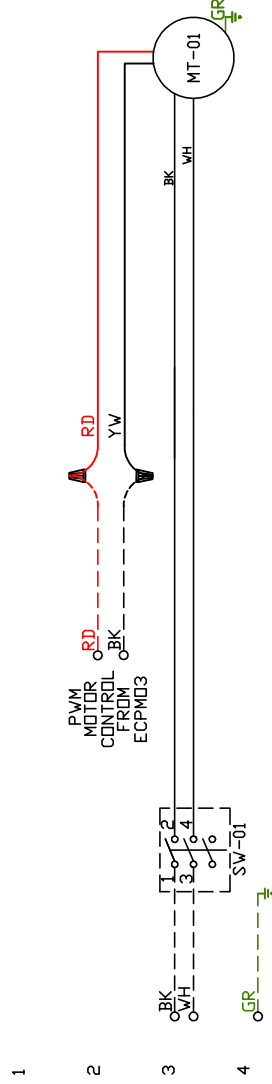


*NOTE: UL 705 INSTALL.

JOB 8358931 - Highlands Oncology

SHIP DATE 6/25/2026

DU33HFA



Installed Options

Label	Component Identification Description	Location
MT-01	Fan Motor	[3]
SV-01	Main disconnect switch	[3]

EXHAUST	<u>MOTOR INFO</u> 0.3HP-115V-1P-4.3FLA
---------	---

ELECTRICAL INFORMATION	
MOTOR/CTRL	MCA: 5.4A
MOTOR/CTRL	MDP: 15A

NOTES

--- DENOTES FIELD WIRING

--- DENOTES INTERNAL WIRING

WIRE COLOR	
BK - BLACK	YW - YELLOW
BL - BLUE	GR - GREEN
BR - BROWN	GY - GRAY
OR - ORANGE	PR - PURPLE
RD - RED	PK - PINK
WH - WHITE	

ELECTRICAL PACKAGE – JOB#8358931

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	φ	HP	VOLT	FLA
1		SC-110110MA	UTILITY CABINET LEFT	FACE MOUNT RIGHT	1 LIGHT	SMART CONTROLS THERMOSTATIC CONTROL W/ RELAY ON/OFF WITH SUPPLY	GEF-1	EXHAUST	1	0.333	115	4.3
				SIDE OF HOOD								
				HOOD # 1	1 FAN							

**CAPTIVEAIRE**

JOB Highlands Oncology	
LOCATION Springdale, AR, 72762	
DATE 6/25/2026	JOB # 8358931
DWG # 15	DRAWN BY ELL 146
REV.	SCALE 3/8" = 1'-0"

JOB NO
8358931

MODEL NUMBER
SC-110110MA

JOB NAME
Highlands Oncology

DRAWN BY
INSTALL

DATE
6/25/2026

SCHEMATIC TYPE
ECP #1-1

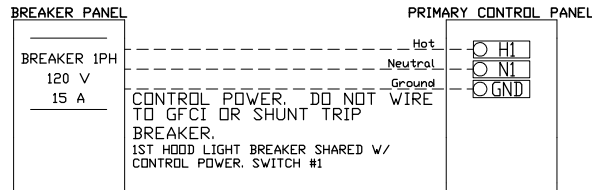
DESCRIPTION OF OPERATION:

120V 1 Phase w/ control for 1 Exhaust Fan, Exhaust on in Fire, Lights out in Fire, Relay On/Off with Supply Fan, Fan(s) On/Off Thermostatically Controlled. Room temperature sensor shipped loose for field installation.

BREAKER PANEL TO PRIMARY CONTROL PANEL

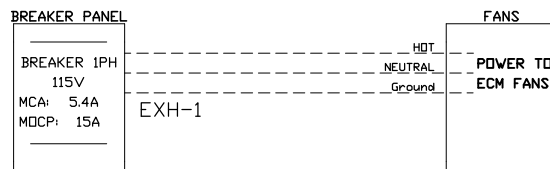
Responsibility: Electrician

BREAKER SIZE SHOWN IS THE MAXIMUM ALLOWED



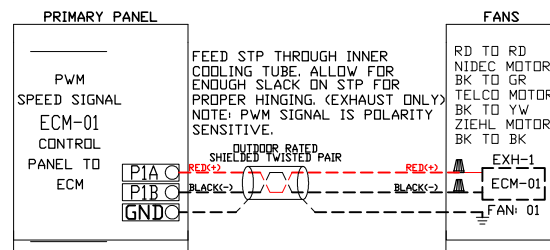
BREAKER PANEL TO FANS

Responsibility: Electrician



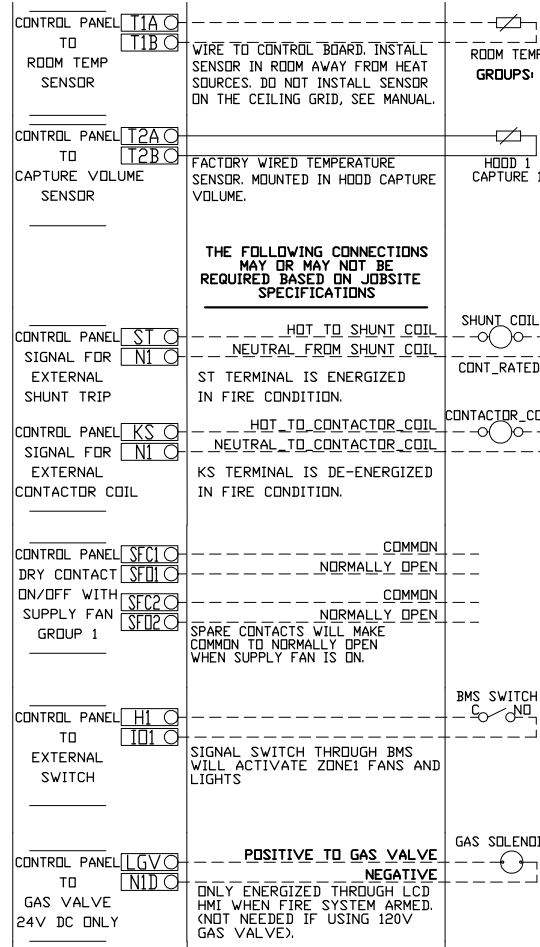
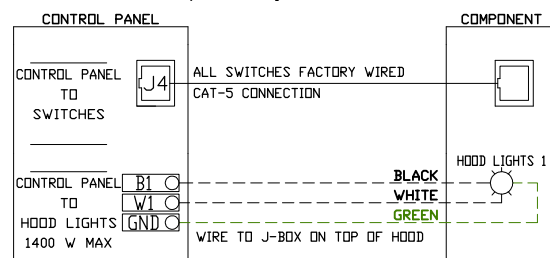
CONTROL PANEL TO FANS

Responsibility: Electrician



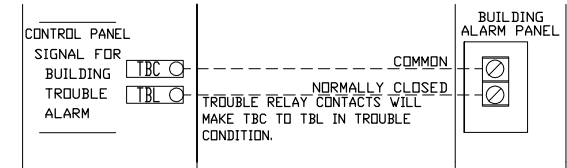
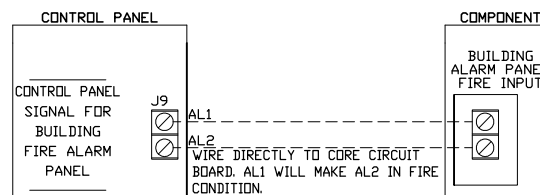
CONTROL PANEL TO ACCESSORY ITEMS

Responsibility: Electrician



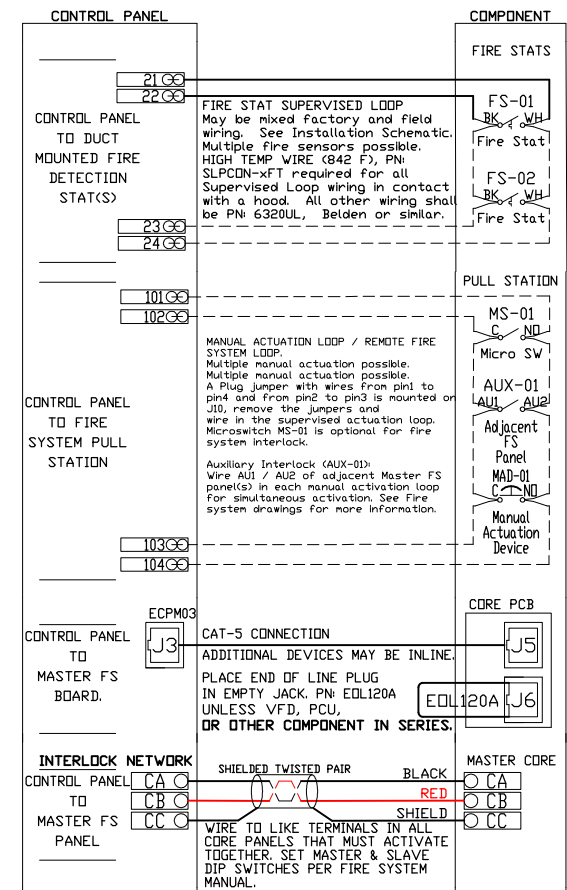
CONTROL PANEL TO FIRE SYSTEM

Responsibility: ALARM CONTRACTOR



CONTROL PANEL TO FIRE SYSTEM

Responsibility: CERTIFIED INSTALLER



JOB NO
8358931

MODEL NUMBER
SC-110110MA

JOB NAME
Highlands Oncology

DRAWN BY
SCHEMATIC TYPE
INSTALL

DATE
6/25/2026
DWG NO
ECP #1-2

DESCRIPTION OF OPERATION:

Fire System #1 TANK FS - 4.0 (FS-1). Tank-based Fire Protection System equipped with Electronic Detection utilizing CORE board as a Listed Release Mechanism. Installed in Hood Utility Cabinet with integral hood prewire panel.

TANK PROTECTION ELECTRICAL DETAIL

03/18/2026 Rev. 03

ELECTRICIAN:

1. WIRE MAIN CONTROL PANEL PER INCLUDED SCHEMATIC
2. WIRE ALL FANS PER INCLUDED SCHEMATIC
3. WIRE SHUNT TRIP BREAKER (OPTIONAL)
4. WIRE UDS APPLIANCE KILL SWITCH, IF EQUIPPED (OPTIONAL)
5. WIRE GAS VALVE

FS-1: MASTER

ELECTRICAL CONTRACTOR REQUIREMENT

ITEM	CONNECTION IN PANEL	CONNECTION IN DEVICE	VOLTAGE	AMPERAGE	COMMENTS
SHUNT TRIP BREAKER (OPTIONAL)	ST & N1	BREAKER COIL (A1 & A2)	120 VAC	< 4 AMPS	ST TO A1 ON SHUNT BREAKER COIL, AND NEUTRAL TO A2 ON SHUNT TRIP BREAKER COIL
CONTROL PANEL POWER	H1 & N1 + GROUND	CIRCUIT BREAKER	120 VAC	15 AMPS	CONTROL PANEL POWER MUST NOT BE RUN THROUGH SHUNT TRIP BREAKER
UDS APPLIANCE KILL SWITCH (OPTIONAL)	KTS & N1	KTS & N1	120 VAC	< 4 AMPS	KILL SWITCH TERMINALS MUST BE IN SERIES WITH OTHER KILL SWITCHES
REMOTE 120VAC ANSUL AUTOMAN (OPTIONAL)	AU1, AU2	SOLENOID	120 VAC	< 6 AMPS	120V TO AU1, AU2 TO ANSUL ELECTRIC AUTOMAN, ANSUL SOLENOID TO NEUTRAL
*GAS VALVE ASCD	LGV & N1D (IF 24 VDC) GAS & N1 (IF 120 VAC)	RED/RED/GREEN	24 VDC OR 120 VAC	< 1.0 AMPS	IF 24 VDC - 2 WIRES & GROUND, N1D TO RED, LGV TO RED, AND GREEN TO GROUND IF 120 VAC - 2 WIRES & GROUND, GAS TO RED, N1 TO RED, AND GREEN TO GROUND
*GAS VALVE AGS	LGV & N1D (IF 24 VDC) GAS & N1 (IF 120 VAC)	-/G/+ (IF 24 VDC) L/G/N (IF 120 VAC)	24 VDC OR 120 VAC	< 1.0 AMPS	IF 24 VDC - 2 WIRES & GROUND, LGV TO (+), N1D TO (-), AND GREEN TO GROUND IF 120 VAC - 2 WIRES & GROUND, GAS TO (L), N1 TO (N), AND GREEN TO GROUND

SHUNT TRIP BREAKER (OPTIONAL)
-2 WIRES, 120VAC
-ST TO A1 ON SHUNT BREAKER
-NEUTRAL TO A2 ON SHUNT TRIP BREAKER

POWER TO ELECTRIC APPLIANCE

EXHAUST HOOD

36 INCHES CLEARANCE REQUIRED IN FRONT OF ALL UTILITY CABINET DOORS. THE PANEL SHALL ALSO BE LOCATED IN AN ACCESSIBLE AREA WHERE THE AUDIBLE AND VISUAL ALARMS CAN BE HEARD AND SEEN

ELECTRIC GAS

COOKING APPLIANCE(S)

CONTROL PANEL POWER
-2 WIRES & GROUND
-120 VAC, 15 AMP SERVICE
-WIRE TO H1 AND N1, GROUND
-POWER MUST NOT ORIGINATE FROM SHUNT TRIP BREAKER

GAS VALVE POWER
-2 WIRES & GROUND
-24 VDC WIRE TO LGV & N1D
-120 VAC WIRE TO GAS & N1

**GAS VALVE
-STRAINER MUST BE INSTALLED UPSTREAM OF VALVE

NOTE:
SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS.
* BEFORE WIRING THE GAS VALVE, IT IS CRITICAL TO IDENTIFY AND VERIFY ITS SPECIFIC TERMINAL LABELS. DIFFERENT SERIES AND MANUFACTURERS USE VARYING NOMENCLATURE.
** AGS GAS VALVES 3/4" THROUGH 2" DIAMETERS DO NOT REQUIRE UPSTREAM STRAINERS AS THE STRAINER IS BUILT INTO THE GAS VALVE.

ATTENTION: LOW-VOLTAGE DC OR SIGNALING WIRE SHOULD BE ROUTED IN SEPARATE CONDUIT FROM ALL AC SOURCES

JOB NO
8358931

MODEL NUMBER
SC-110110MA

JOB NAME
Highlands Oncology

DRAWN BY
INSTALL

DATE
6/25/2026

SCHEMATIC TYPE
DWG NO

ECP #1-3

DESCRIPTION OF OPERATION:

Fire System #1 TANK FS - 4.0 (FS-1). Tank-based Fire Protection System equipped with Electronic Detection utilizing CORE board as a Listed Release Mechanism. Installed in Hood Utility Cabinet with integral hood prewire panel.

TANK PROTECTION LOW-VOLTAGE DETAIL

10/01/2023 Rev. 3

ALARM CONTRACTOR:

1. WIRE MANUAL ACTUATION DEVICE(S), *REMOTE FIRESTAT(S), CORE INTERLOCK(S), FIRE SENSOR(S) AND FIRE ALARM CONTACTS
2. COMPLETE FINAL HOOKUP OF SYSTEM
3. VERIFY FINAL FIRE SYSTEM TEST

*REMOTE FIRESTAT(S) MAYBE BE REQUIRED DEPENDING ON THE DUCT LAYOUT AND HOOD TEMPERATURE RATING. REFERENCE MANUAL FOR LOCATION AND GUIDELINES.

FS-1: MASTER

ALARM CONTRACTOR REQUIREMENT

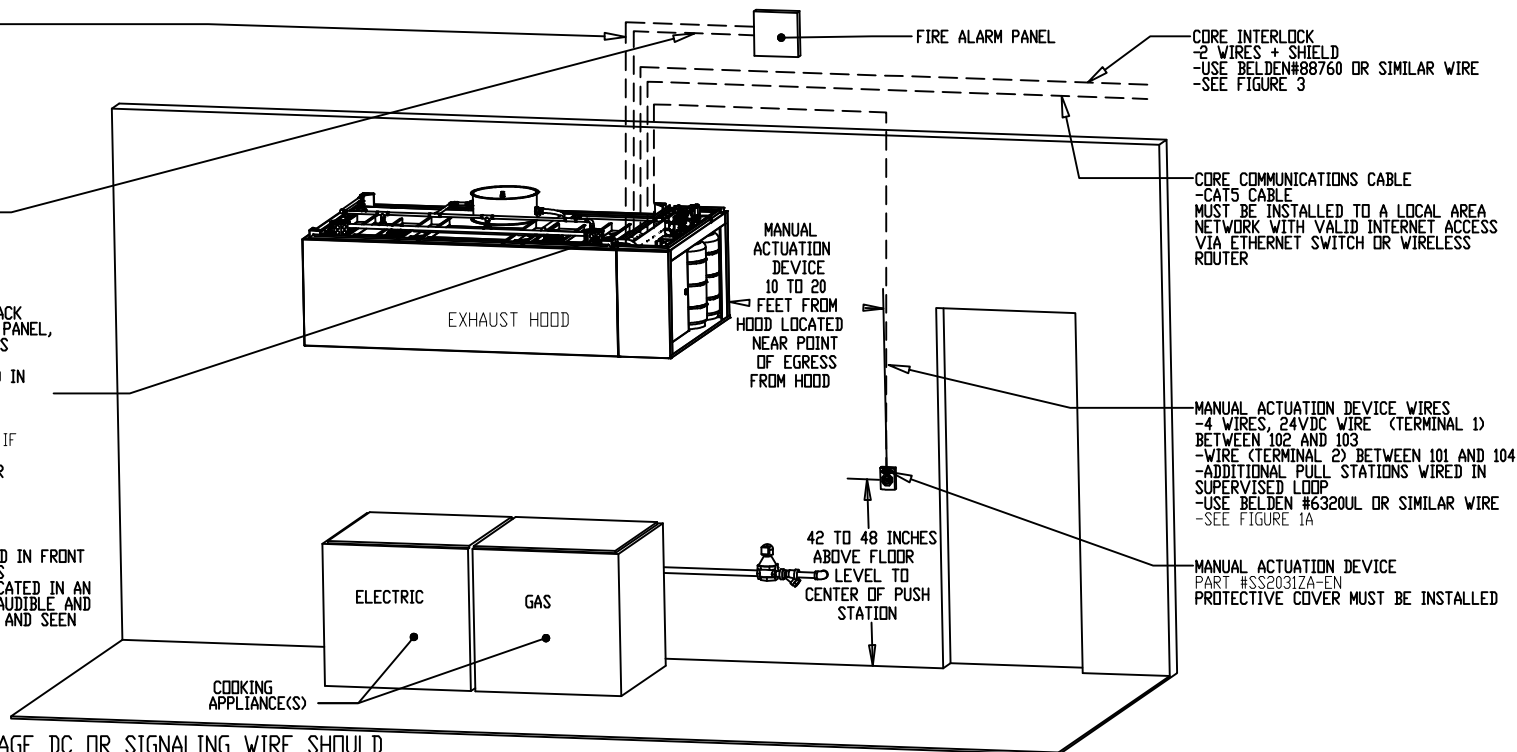
ITEM	CONNECTION IN PANEL	CONNECTION ON DEVICE	VOLTAGE	AMPERAGE	COMMENTS
MANUAL ACTUATION DEVICE(S)	101 AND 104 102 AND 103	1 & 2	24 VDC	< 1.0 AMPS	WIRE MANUAL ACTUATION DEVICE TERMINAL 1 BETWEEN CORE PANEL TERMINALS 102 AND 103 WIRE MANUAL ACTUATION DEVICE TERMINAL 2 BETWEEN CORE PANEL TERMINALS 101 AND 104 JUMPER 101 TO 104 AND 102 TO 103 IF NO MANUAL ACTUATION DEVICE IS INSTALLED
MANUAL ACTUATION DEVICE COVER	N/A	N/A	N/A	N/A	MANUAL ACTUATION DEVICE COVER MUST BE INSTALLED IF SURFACE MOUNTED, USE COVER EXTENSION STI-6531B
REMOTE FIRESTAT SENSOR(S)	21 AND 24 22 AND 23	BLACK AND WHITE	24 VDC	< 1.0 AMPS	WIRE FIRE SENSOR WHITE WIRES BETWEEN HOOD CORE PANEL TERMINALS 22 AND 23 WIRE FIRE SENSOR BLACK WIRE BETWEEN HOOD CORE PANEL TERMINALS 21 AND 24 HIGH TEMP (842°F) #441601C6FE9 (WHT) & #441601C6FE0 (BLK) WIRE OR SIMILAR ONLY IF RAN OF HOOD; OTHERWISE BELDEN #6320UL OR SIMILAR PLENUM RATED WIRE; SEE FIGURE 1
FIRE ALARM CONTACT	AL1, AL2	VARIES	50V MAX (AC/DC)	UP TO 1 AMP	FIRE ALARM RELAY CONTACTS FOR BUILDING FIRE ALARM LOCATED IN THE CORE ELECTRICAL CONTROL PANEL
CORE INTERLOCK(S)	CA, CB, CC	CA, CB, CC	RS-485 COMMUNICATIONS SIGNAL		CORE SYSTEM (1) CA, TO CORE SYSTEM (2) CA, CORE SYSTEM (1) CB, TO CORE SYSTEM (2) CB, CORE SYSTEM (1) CC, TO CORE SYSTEM (2) CC. USE BELDEN# 88760 OR SIMILAR WIRE
TROUBLE CONTACT	TBC, TBL, TOK	VARIES	MAX 120 VAC	UP TO 6 AMPS	WIRE TO TBL & TBC NORMALLY OPEN CONTACT, CLOSES IN TROUBLE CONDITION
CORE COMMUNICATIONS CABLE	RJ-45 Jack	INTERNET CONNECTION	SIGNAL	<1.0 AMPS	TYPICAL CONNECTION CAT5 CABLE TO LOCAL AREA NETWORK VIA ETHERNET SWITCH OR WIRELESS ROUTER WITH VALID INTERNET CONNECTION

FIRE ALARM CONTACT
-2 WIRES WIRED TO NORMALLY
OPEN CONTACTS (CLOSES IN
FIRE CONDITION)
-CORE CONTROL PANEL AL1
AND AL2
-SEE FIGURE 2

TROUBLE CONTACT
-2 WIRES TO NORMALLY
OPEN CONTACTS (CLOSE
IN TROUBLE CONDITION)
-CORE PANEL TERMINALS
TBL AND TBC
-SEE FIGURE 4

SUPERVISED LOOP
-4 WIRES, 24VDC CONNECT BLACK
WIRES BETWEEN 21 AND 24 IN PANEL,
CONNECT WHITE (OR RED) WIRES
BETWEEN 22 AND 23 IN PANEL
-ADDITIONAL FIRESTATS, WIRED IN
SUPERVISED LOOP
-USE HIGH TEMP (842°F)
#441601C6FE9 (WHT) &
#441601C6FE0 (BLK) WIRE ONLY IF
RAN OVER TOP OF HOOD;
OTHERWISE BELDEN #6320UL OR
SIMILAR PLENUM RATED WIRE
-SEE FIGURE 1

36 INCHES CLEARANCE REQUIRED IN FRONT
OF ALL UTILITY CABINET DOORS
THE PANEL SHALL ALSO BE LOCATED IN AN
ACCESSIBLE AREA WHERE THE AUDIBLE AND
VISUAL ALARMS CAN BE HEARD AND SEEN



ATTENTION: LOW-VOLTAGE DC OR SIGNALING WIRE SHOULD
BE ROUTED IN SEPARATE CONDUIT FROM ALL AC SOURCES

NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

JOB NO
8358931

MODEL NUMBER
SC-110110MA

DRAWN BY

SCHEMATIC TYPE

DESCRIPTION OF OPERATION:

Fire System #1 TANK FS - 4.0 (FS-1). Tank-based Fire Protection System equipped with Electronic Detection utilizing CORE board as a Listed Release Mechanism. Installed in Hood Utility Cabinet with integral hood prewire panel.

JOB NAME
Hoblands Oncology

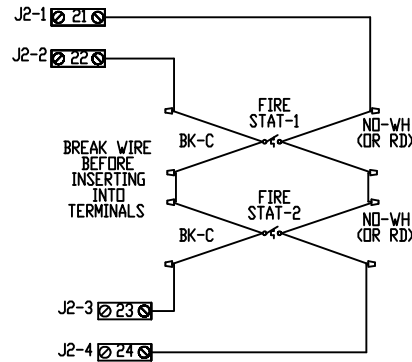
DATE
6/25/2026

DWG NO
FCP #1-4

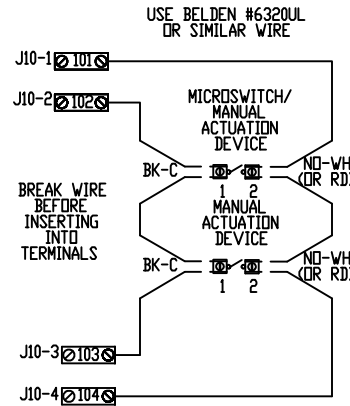
10/01/2023 Rev. 17

TANK PROTECTION LOW-VOLTAGE FIGURES

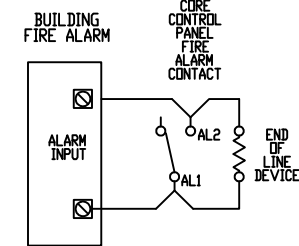
FS-1: MASTER



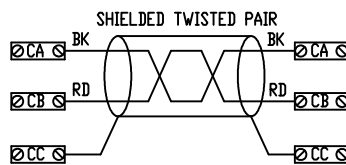
WIRING CONNECTIONS
FOR FIRESTAT LOOP
FIGURE 1



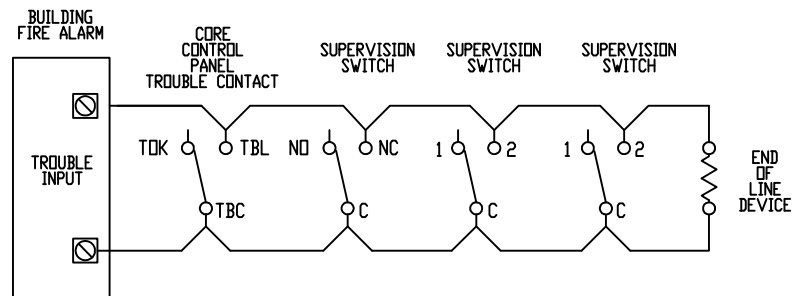
WIRING CONNECTIONS
FOR MANUAL ACTUATION LOOP
FIGURE 1A



WIRING CONNECTIONS FOR FIRE
ALARM CONTACT
FIGURE 2



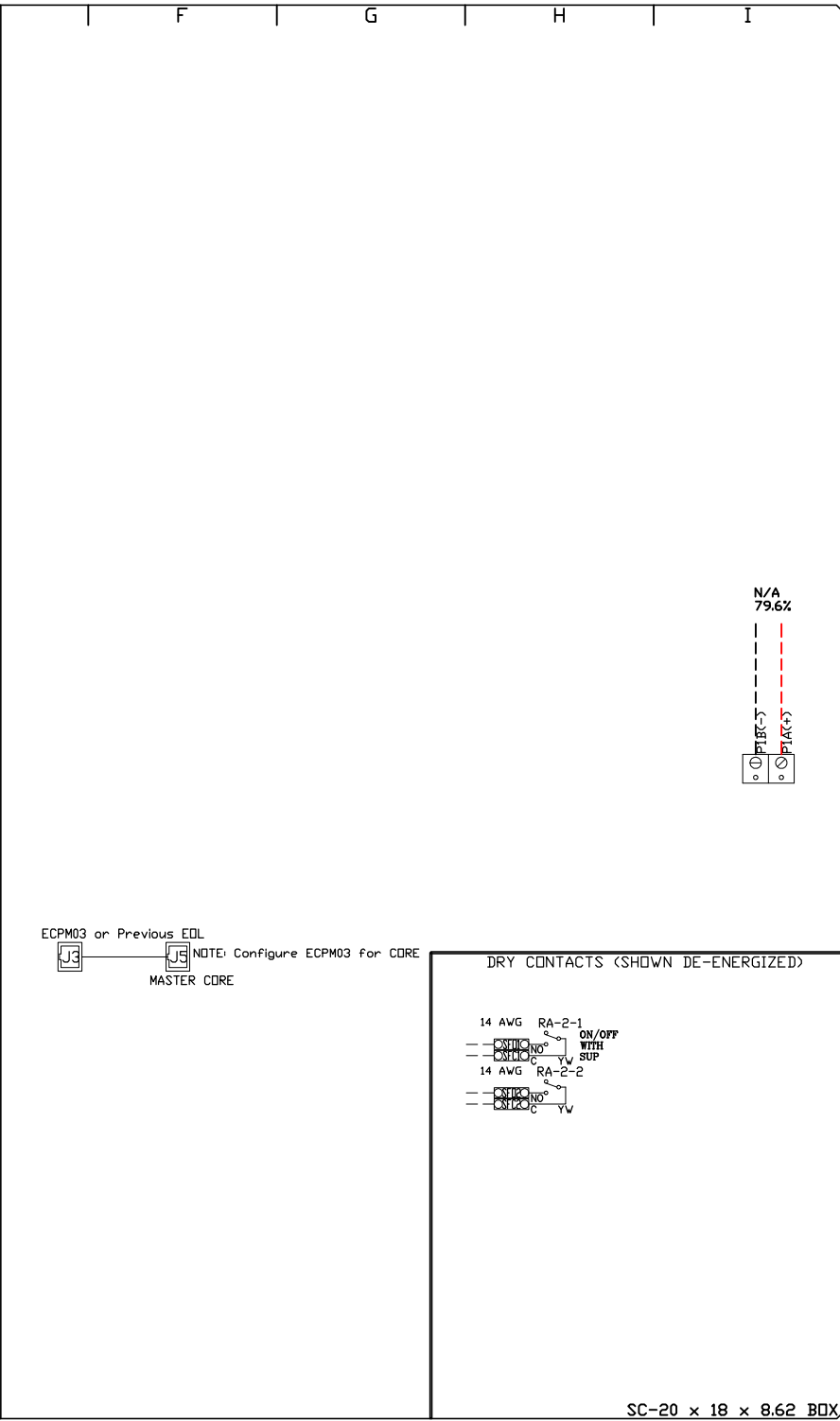
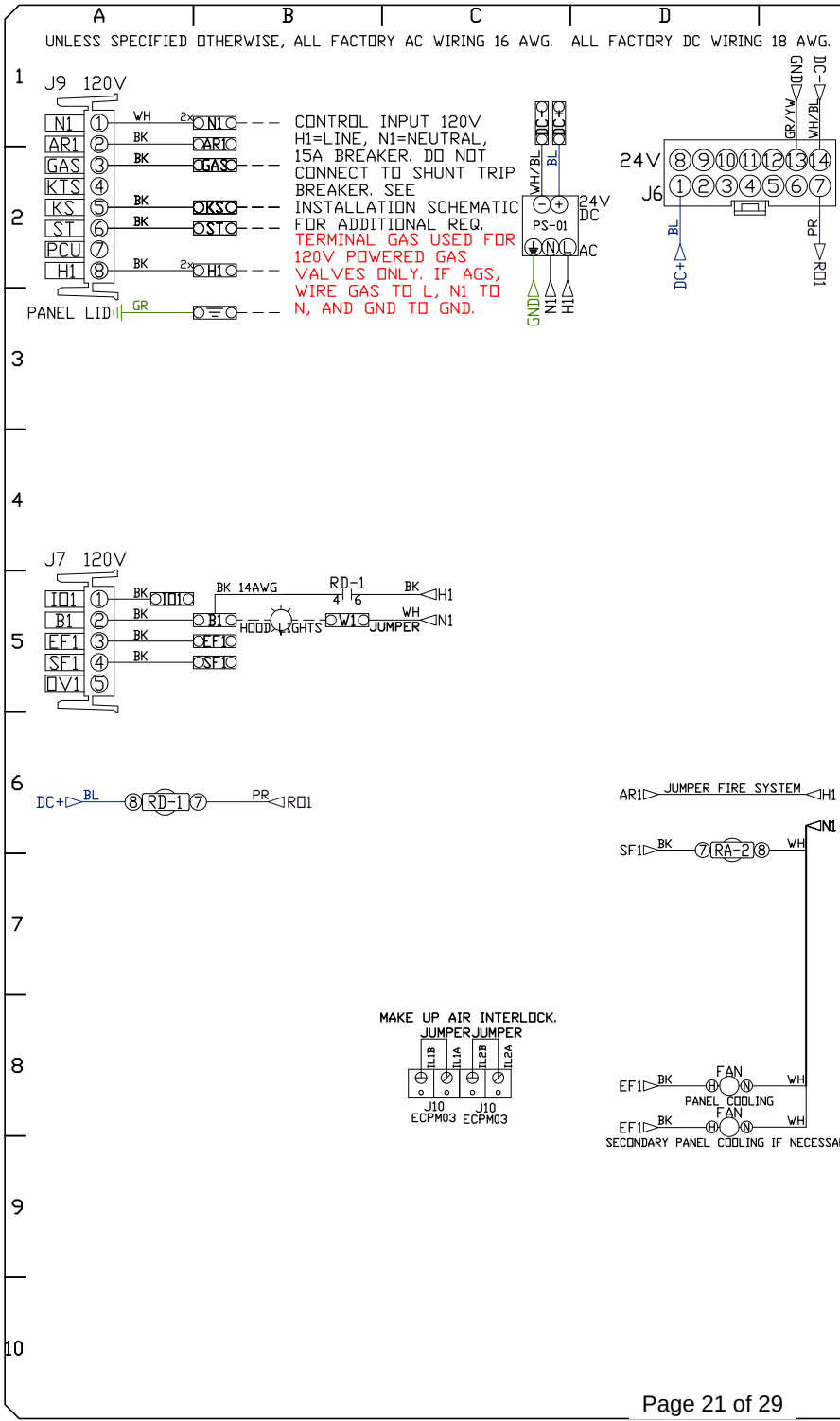
WIRING CONNECTIONS
FOR CORE INTERLOCK
FIGURE 3



WIRING CONNECTIONS FOR
TROUBLE CONTACT
FIGURE 4

NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

ATTENTION: LOW-VOLTAGE DC OR SIGNALING WIRE SHOULD
BE ROUTED IN SEPARATE CONDUIT FROM ALL AC SOURCES



FACTORY WIRING SCHEMATIC CIRCUIT BOARDS

RA-x	120 VAC RELAY	RD-x	24 VDC RELAY
NO	4 3	NO	4 3
NC	2 1	NC	2 1
COIL	8 7	COIL	8 7
COM	6 5	COM	6 5

COMPONENT LIST

LABEL	DESCRIPTION
ST-X	Starter varies
OL-X	Overload varies
C-X	Contactor varies
PS-1	Power Sup. 24VDC MDP18-24A-1C
RA-x	120V Relay DPDT 34.110.088.0
RD-x	24VDC Light Relay 34.110.088.0
TS-x	Duct Thermostat A/CP-PD-T4'-EXPL

N/A 79.6%

LEGEND

--- FIELD WIRING
--- FACTORY WIRING

BK- BLACK YW- YELLOW
BL- BLUE GY- GREY
BR- BROWN PR- PURPLE
OR- ORANGE RD- RED
WH- WHITE GR- GREEN
DR/BL- DR/BL STRIPE
BL/RD- BL/RD STRIPE
RD/GN- RD/GN STRIPE
WH/BL- WH/BL STRIPE

JOB NAME
Highlands Oncolo...

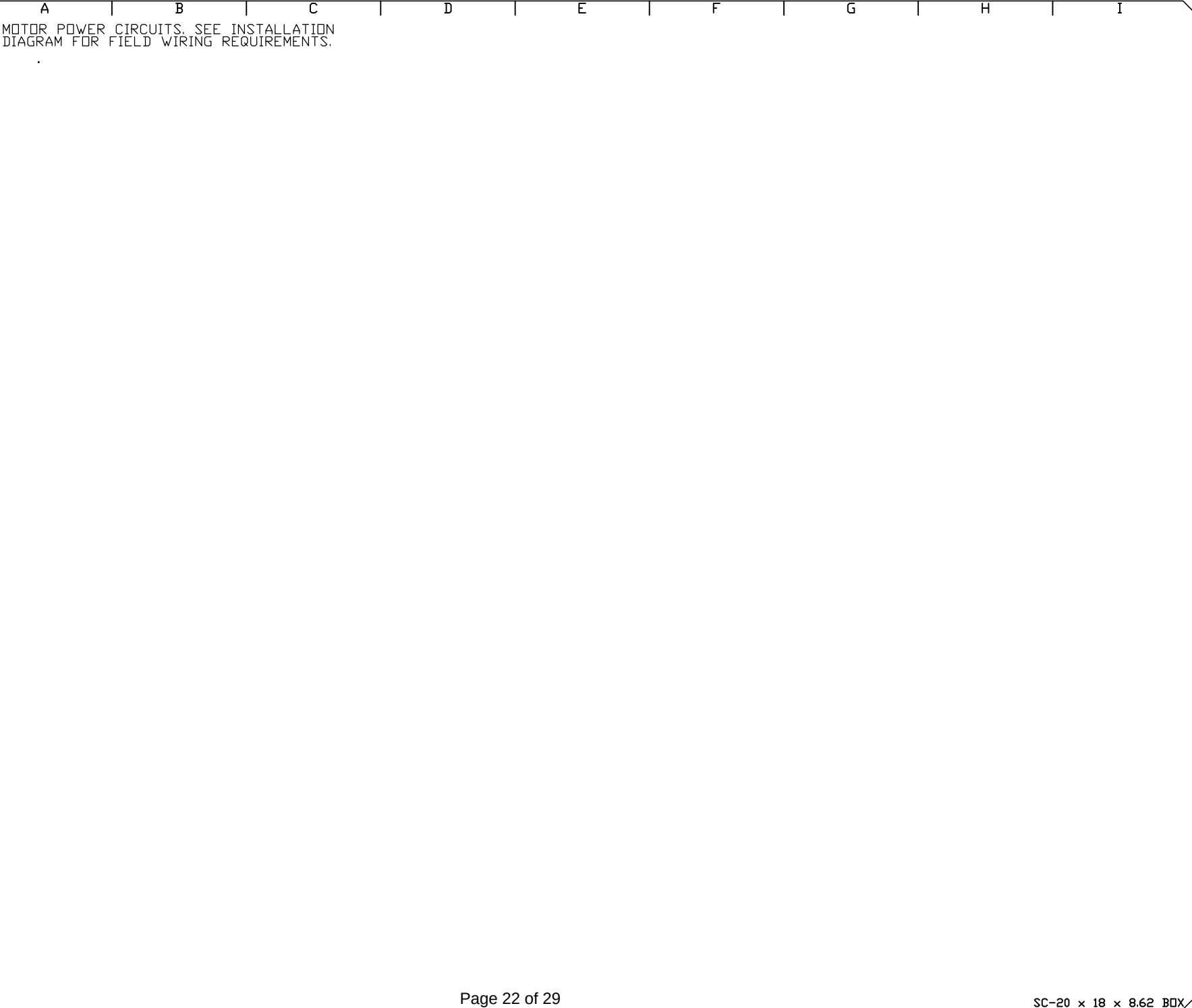
DRAWING TITLE
SC-110110MA

DESCRIPTION OF OPERATION
120V 1 Phase w/ control for 1 Exhaust Fan, Exhaust on in Fire, Lights out in Fire, Relay On/Off with Supply Fan, Fan(s) On/Off Thermostatically Controlled. Room temperature sensor shipped loose for field installation.

JOB NO	DRAWN BY
8358931	

TYPE	DATE
FACTORY	6/25/2026

DWG NO ECP #1-5



FACTORY WIRING
SCHEMATIC
CIRCUIT BOARDS
DCV Rev. 2.10.00
HMI Rev. 2.10.00

RA-X 120 VAC RELAY	RD-X 24 VDC RELAY
NO 4 3	NO 4 3
NC 2 1	NC 2 1
COIL 8 7	COIL 8 7
COM 6 5	COM 6 5

COMPONENT LIST	
LABEL	DESCRIPTION
ST-X	Starter varies
C-X	Contactors varies
SM-X	VFD varies
LR-X	Line/Load Reactor varies

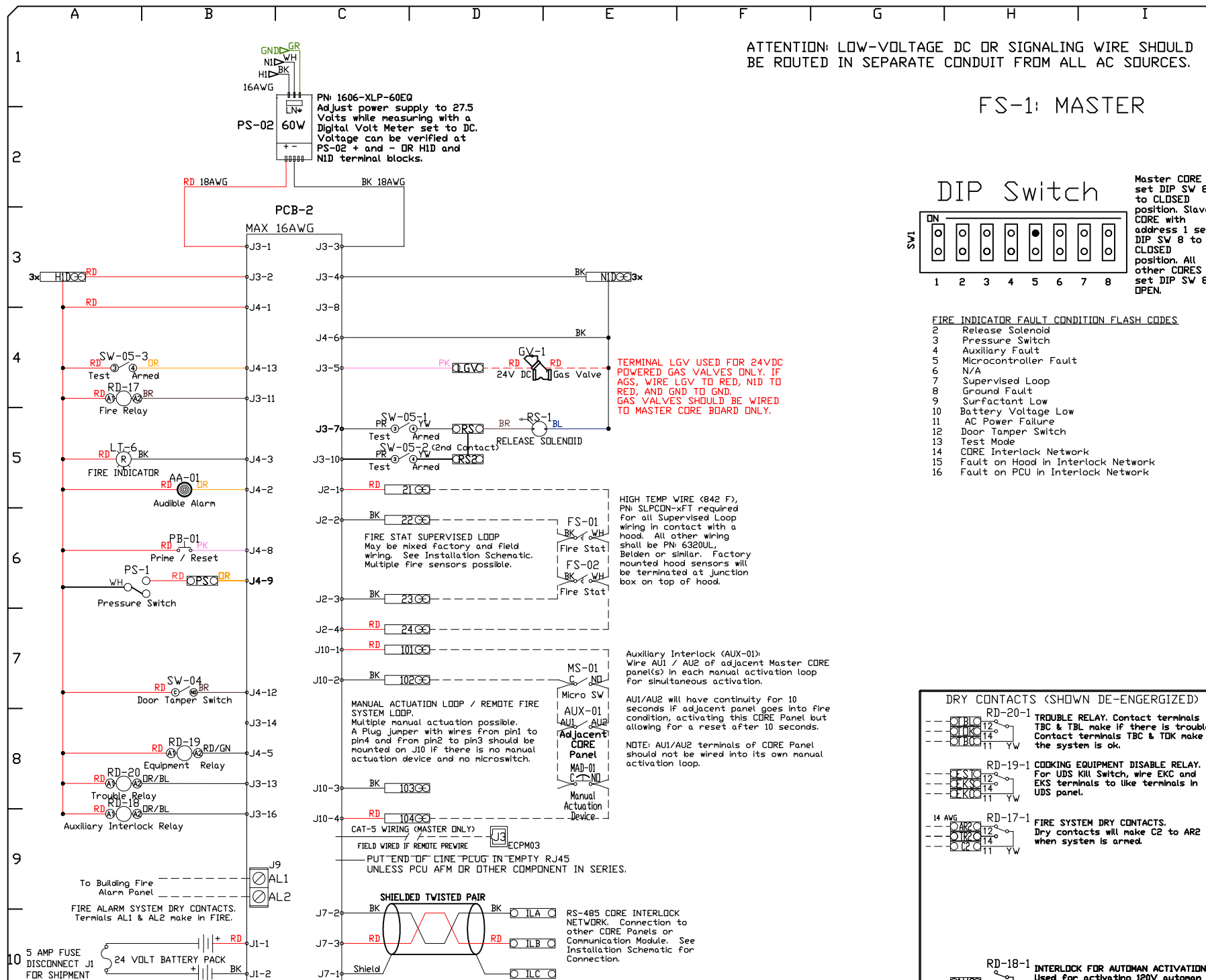
LEGEND	
--	FIELD WIRING
---	FACTORY WIRING
BK- BLACK	YW- YELLOW
BL- BLUE	GY- GREY
BR- BROWN	PR- PURPLE
OR- ORANGE	RD- RED
WH- WHITE	GR- GREEN
OR/BL- OR/BL STRIPE	
BL/RD- BL/RD STRIPE	
RD/GN- RD/GN STRIPE	
WH/BL- WH/BL STRIPE	

JOB NAME
Highlands Oncolo...

DRAWING TITLE
SC-110110MA

DESCRIPTION OF OPERATION
120V 1 Phase w/ control
for 1 Exhaust Fan,
Exhaust on in Fire,
Lights out in Fire, Relay
On/Off with Supply Fan,
Fan(s) On/Off
Thermostatically
Controlled. Room
temperature sensor
shipped loose for field
installation.

JOB NO 8358931	DRAWN BY
TYPE FACTORY	DATE 6/25/2026
DWG NO ECP	#1-6



DUCTWORK #1 PARTS - JOB#8358931 DOUBLE WALL DUCT-1

TAG	PART #	CFM	GPM	ZONE	COVEREDBY	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION
H1-E1	DW12DWRISER-2R-S	600				-0.4960	5.62		1	DOUBLE WALL RISER COVER - USED ON 8" INNER RISER, 4' LONG - 2 LAYERS REDUCED CLEARANCE - 12" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
P1	DW0835DWLT-2R-S	600				-0.0269	29.34	1719	1	DOUBLE WALL DUCT - 8" INNER DUCT, 35' LONG - 2 LAYERS REDUCED CLEARANCE - 12" STAINLESS STEEL OUTER SHELL.
P2	DW0847DWAJD-2R-S	600				-0.0253	63.35	1719	1	DOUBLE WALL ADJUSTABLE DUCT - 8" INNER DUCT - 2 LAYERS REDUCED CLEARANCE - 12" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11' / MAX LENGTH = 50.5' / ADJUSTMENT = 32.5' / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
P3 ASSEMBLED W/P14	DW08DWTEASY-2R-S	600		1		-0.0773	23.77	1719	1	DOUBLE WALL DUCT - 8" INNER TEE DUCT - 2 LAYERS REDUCED CLEARANCE - 12" STAINLESS STEEL OUTER SHELL.
P4	DW0847DWLT-2R-S	600				-0.0361	39.34	1719	1	DOUBLE WALL DUCT - 8" INNER DUCT, 47' LONG - 2 LAYERS REDUCED CLEARANCE - 12" STAINLESS STEEL OUTER SHELL.
P5	DW0847DWAJD-2R-S	600				-0.0359	63.35	1719	1	DOUBLE WALL ADJUSTABLE DUCT - 8" INNER DUCT - 2 LAYERS REDUCED CLEARANCE - 12" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11' / MAX LENGTH = 50.5' / ADJUSTMENT = 32.5' / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
P6 ASSEMBLED W/P11	DW08DWTEASY-2R-S	600		1		-0.0154	23.77	1719	1	DOUBLE WALL DUCT - 8" INNER TEE DUCT - 2 LAYERS REDUCED CLEARANCE - 12" STAINLESS STEEL OUTER SHELL.
P7	DW0835DWLT-2R-S	600				-0.0269	29.34	1719	1	DOUBLE WALL DUCT - 8" INNER DUCT, 35' LONG - 2 LAYERS REDUCED CLEARANCE - 12" STAINLESS STEEL OUTER SHELL.
P8 ASSEMBLED W/P9	DW0835DWLTTP-2R-S	600				-0.0269	30.44	1719	1	DOUBLE WALL DUCT - 8" INNER DUCT, 35' LONG - 2 LAYERS REDUCED CLEARANCE - 12" STAINLESS STEEL OUTER SHELL - USED WITH TRANSITION PLATE.
P9 ASSEMBLED W/P8 □=B	DW1908TP	600					6.62	1719	1	DUCT TO CURB TRANSITION, 19-1/2' CURB TO 8' DUCT, 16 GA ALUMINIZED STEEL. MISC. NON-STANDARD TRANSITION PLATE. FOR USE WITH EXHAUST FAN.
SYSTEM AT P9						-0.7667	0.00			
P10	DW1216SADKIT						5.14		1	DUCT - HORIZONTAL SADDLE SUPPORT KIT, USED WITH 12" OD - INCLUDES UNI-STRUT CUT TO LENGTH, DW1216SAD, & HARDWARE BAG 4.
P11 ASSEMBLED W/P6 □=T	DW08DWACCDORCOV-2R-S						10.42		1	DOUBLE WALL DUCT - 8" INNER ACCESS DOOR & 12" ACCESS DOOR COVER WITH CLAMPS - 2 LAYERS REDUCED CLEARANCE - 12" STAINLESS STEEL OUTER SHELL.
P12	DW1216SADKIT						5.14		1	DUCT - HORIZONTAL SADDLE SUPPORT KIT, USED WITH 12" OD - INCLUDES UNI-STRUT CUT TO LENGTH, DW1216SAD, & HARDWARE BAG 4.
P13	DW1216SADKIT						5.14		1	DUCT - HORIZONTAL SADDLE SUPPORT KIT, USED WITH 12" OD - INCLUDES UNI-STRUT CUT TO LENGTH, DW1216SAD, & HARDWARE BAG 4.
P14 ASSEMBLED W/P3 □=S	DW08DWACCDORCOV-2R-S						10.42		1	DOUBLE WALL DUCT - 8" INNER ACCESS DOOR & 12" ACCESS DOOR COVER WITH CLAMPS - 2 LAYERS REDUCED CLEARANCE - 12" STAINLESS STEEL OUTER SHELL.
RC1	DW12DWRISER-2R-S						5.62		1	DOUBLE WALL RISER COVER - USED ON 8" INNER RISER, 4' LONG - 2 LAYERS REDUCED CLEARANCE - 12" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
	DW08DWCLASY-2R-S						4.64		3	DUCT - 8" DUCT - 12" DOUBLE "V" CLAMP - 2R INSULATION & SINGLE "V" CLAMP INCLUDED - REDUCED CLEARANCE.
TOTAL WEIGHT							370.74			
TOTAL PRESSURE						-0.5825				



CAPTIVEAIR

JOB Highlands Oncology	
LOCATION Springdale, AR, 72762	
DATE 6/25/2026	JOB # 8358931
DWG # 23	DRAWN BY Eli I 146
REV.	SCALE 3/8" = 1'-0"

DOUBLE WALL FACTORY BUILT DUCTWORK

- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
- FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE ENTIRE INSTALLATION AND OPERATION MANUAL
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.
- WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.
- GREASE DUCT CLEANOUTS MAY BE REQUIRED BY LOCAL CODE, INTERNATIONAL MECHANICAL CODE, AND/OR NFPA 96. PLEASE CONSULT WITH THE ENGINEER OF RECORD TO ENSURE GREASE DUCT CLEANOUTS ARE PROPERLY PLACED AND ACCESSIBLE.
- GREASE DUCT CLEANOUTS NOT ACCESSIBLE BY A 10' STEP LADDER MUST BE PROVIDED WITH A WORK PLATFORM OR OTHER MEANS OF SAFE ACCESS, PROVIDED BY OTHERS.

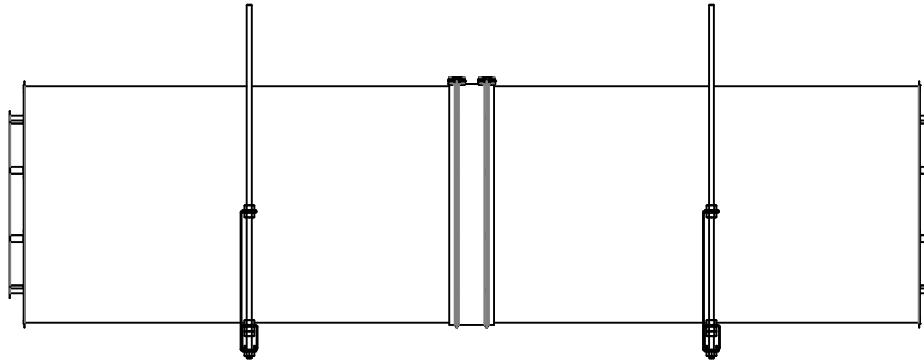
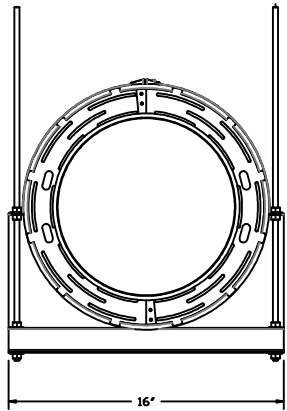
HORIZONTAL	
DUCT DIAMETER	SUPPORT SPACING (FT)
5"	7'
6"	7'
7"	7'
8"	7'
10"	7'
12"	7'
14"	7'
16"	7'
18"	5'
20"	5'
22"	5'
24"	5'
26"	5'
28"	5'
30"	5'
32"	5'
34"	5'
36"	5'

VERTICAL			
TYPE	WALL SUPPORT (FT)	CURB SUPPORT (FT)	FLOOR SUPPORT (FT)
2R & 2R HT (5'-16')	20'	24'	24'
2R (18")	18'	24'	24'
3R & 3Z (5'-24')	10'	24'	24'
3Z (26" -36")	10'	20'	20'

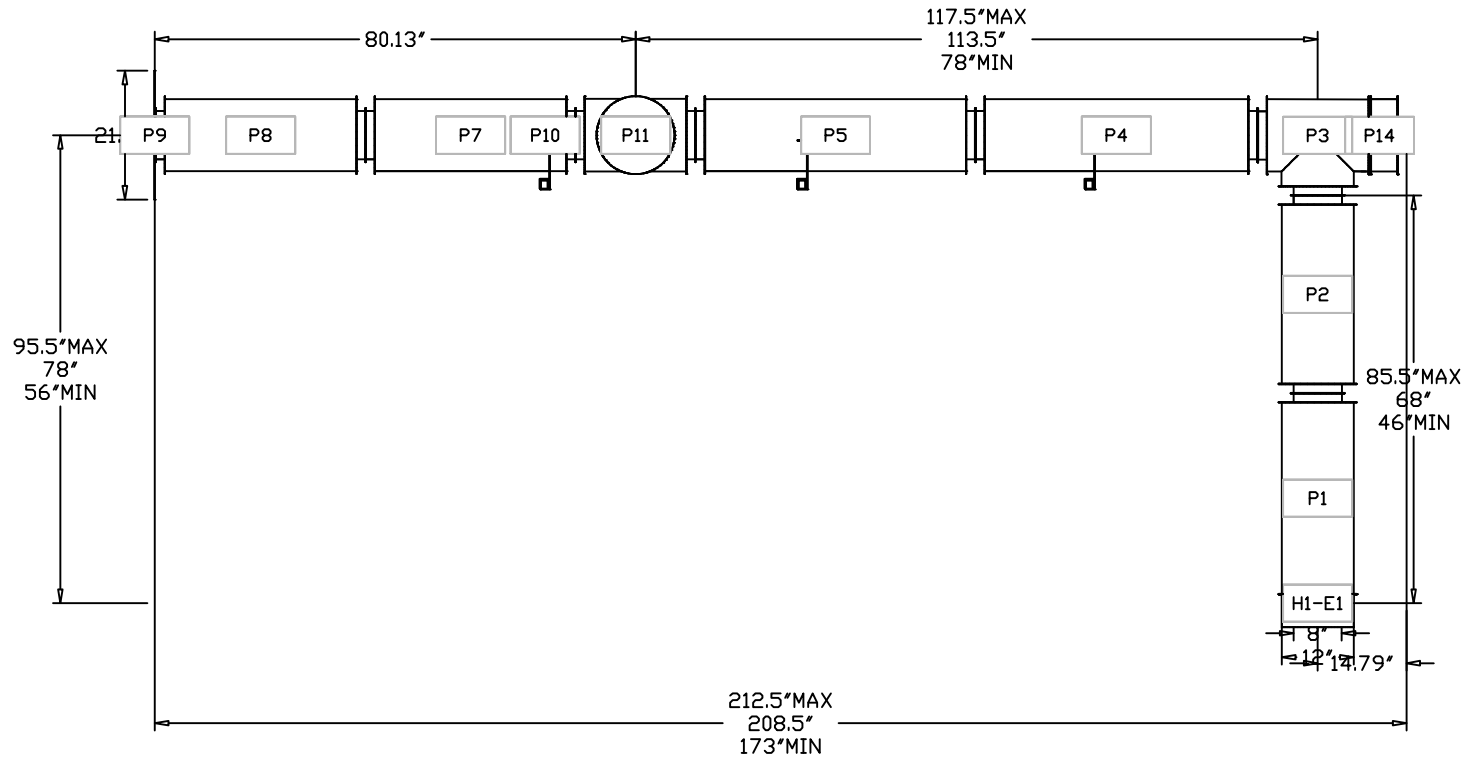
DO NOT LEAK TEST USING SMOKE BOMBS CONTAINING CHLORINES/CHLORIDES. CONSULT WITH CAPTIVEAIRE FOR PROPER LEAK TESTING METHODS.

SUPPORT SYSTEM DETAILS #1

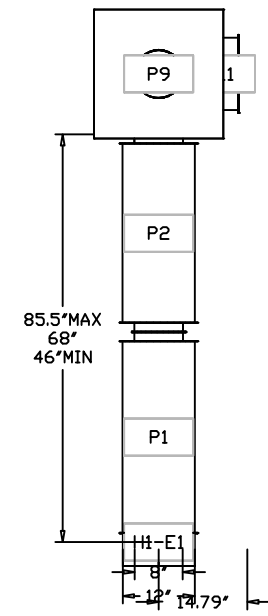
DW1216SADKIT - HORIZONTAL SUPPORTS



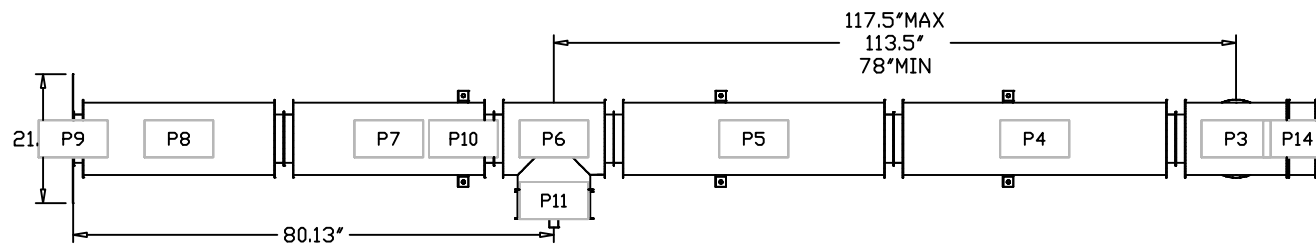
DUCTWORK #1 FRONT VIEW
DUCT-1



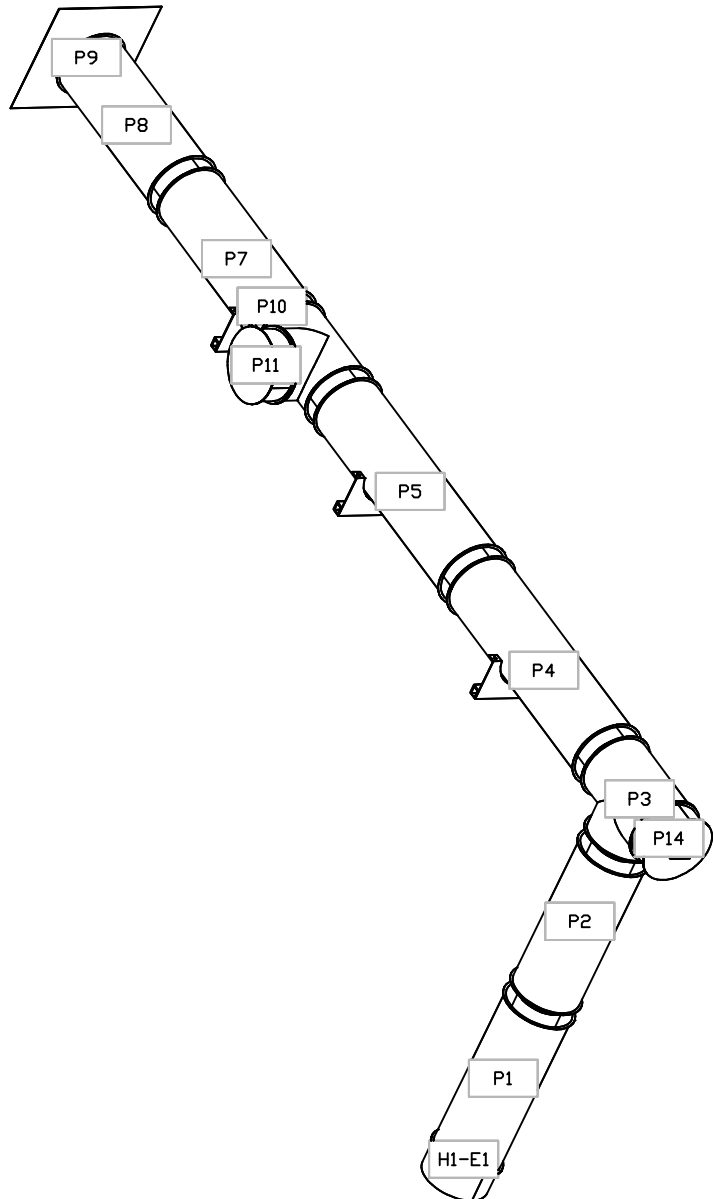
DUCTWORK #1 SIDE VIEW
DUCT-1



DUCTWORK #1 TOP VIEW
DUCT-1



DUCTWORK #1 SE VIEW
DUCT-1



JOB Highlands Oncology	
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REV.	SCALE 3/8" = 1'-0"

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 TO 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.

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REV.	SCALE 3/8" = 1'-0"