

JOB NO
5844108

MODEL NUMBER
SC-11110MA

DRAWN BY
INSTALL

DESCRIPTION OF OPERATION:
Fire System #1 TANK FS - 4.0

JOB NAME
Sixth Baptist Church

DATE
2/6/2023

DWG NO
ECP #1-4

TANK PROTECTION LOW-VOLTAGE DETAIL

02/10/2021 Rev. 2

- 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

FS-1: MASTER

ALARM CONTRACTOR REQUIREMENT

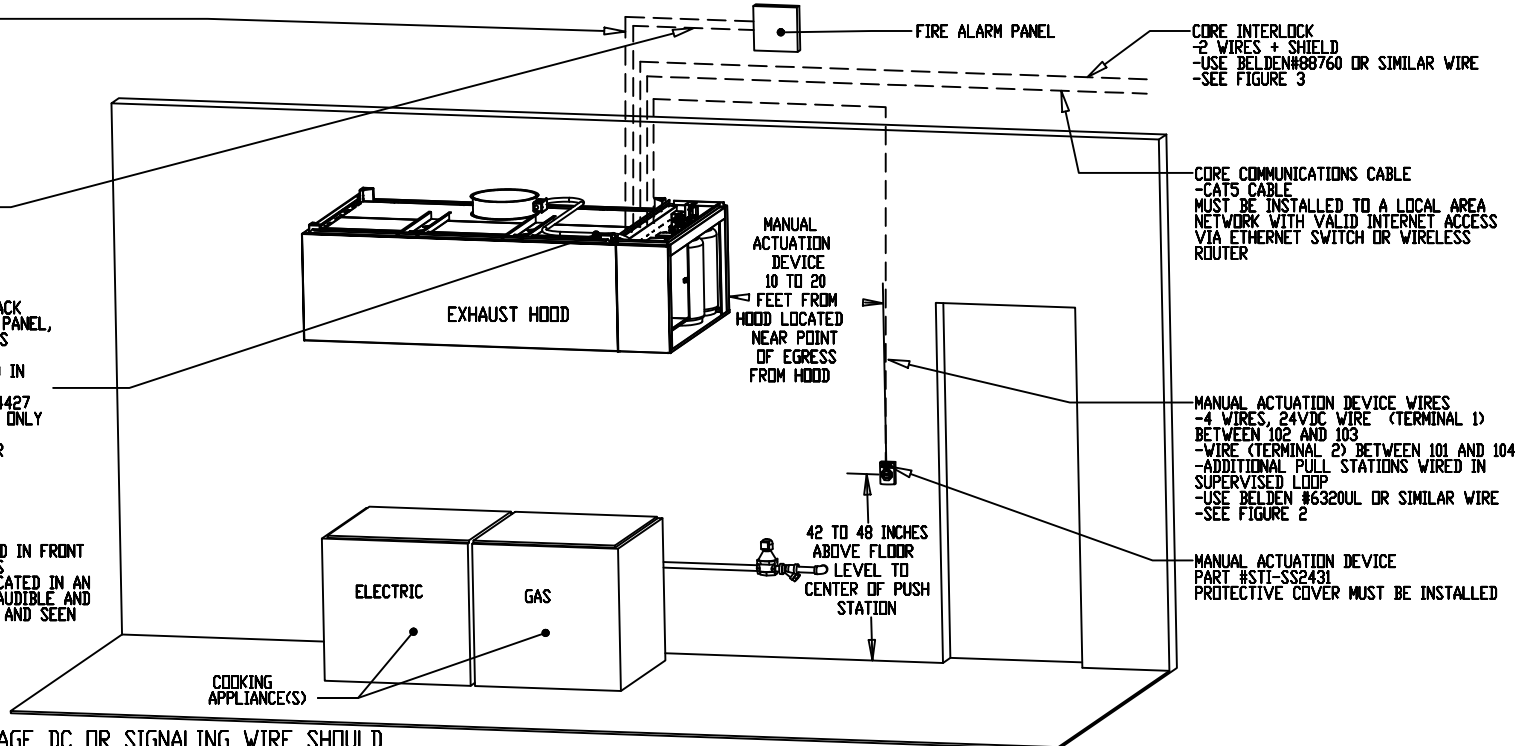
ITEM	CONNECTION IN PANEL	CONNECTION ON DEVICE	VOLTAGE	AMPERAGE	COMMENTS
MANUAL ACTUATION DEVICE(S)	101 AND 104 102 AND 103	1 & 2	24 VDC	< 1.0 AMPS	WIRE MANUAL ACTUATION DEVICE TERMINAL 1 BETWEEN CORE PANEL TERMINALS 102 AND 103 WIRE MANUAL ACTUATION DEVICE TERMINAL 2 BETWEEN CORE PANEL TERMINALS 101 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) #CW04427 (WHT) & #CW04427B (BLK) WIRE OR SIMILAR ONLY IF RAN OVER TOP 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)	ILA, ILB, ILC	ILA, ILB, ILC	RS-485 COMMUNICATIONS SIGNAL		CORE SYSTEM (1) ILA, TO CORE SYSTEM (2) ILA, CORE SYSTEM (1) ILB, TO CORE SYSTEM (2) ILB, CORE SYSTEM (1) ILC, TO CORE SYSTEM (2) ILC. USE BELDEN# 88760 OR SIMILAR WIRE
TROUBLE CONTACT	TBC, TBL, TDK	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) #CW04427
(WHT) & #CW04427B (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