

FIRE ALARM  
CONSTRUCTION DOCUMENT SET

MERIDIAN MARKET FACP  
4301 S. MERIDIAN, PUYALLUP WA  
FA24144






SHEET INDEX

SHEET	REV.	DESCRIPTION
FA001		GENERAL SHEET, LEGEND & NOTES
FA101		DEVICE LOCATION VIEWS - FIRST LEVEL
FA501		SCHEDULES, POWER CALCULATIONS, RISER DIAGRAMS
FA601		PRODUCT TYPICALS






SHEET NAMING CONVENTION

SHEET	DESCRIPTION
FA0XX	GENERAL SHEET, LEGEND & NOTES
FA1XX	DEVICE LOCATION VIEWS - FIRST FLOOR
FA5XX	SCHEDULES & RISER DIAGRAMS, POWER CALCULATIONS
FA6XX	PRODUCT TYPICALS

IDENTIFIER TYPES

TYPE	DESCRIPTION
	DEVICE IDENTIFIER - EXISTING, ADD, REPLACE, MOVE, DEMO
	POINT OF PROTECTION IDENTIFIER / TYPE REFERENCE
	REVISION IDENTIFIER
	CABLE ID - SEE CABLE LEGEND
	SHEET ID - SHEET DETAIL "A", "B", "C" / SHEET #XXXX

DEVICE IDENTIFIERS

TYPE	DESCRIPTION
	DEVICE EXISTING IDENTIFIER
	DEVICE ADD IDENTIFIER
	DEVICE REPLACE IDENTIFIER
	DEVICE MOVE IDENTIFIER
	DEVICE DEMO IDENTIFIER

CABLE LEGEND

ID	AWG	COND	SHEILD	CLASS	ID	AWG	SHEILD	CLASS
A	16	2	N	FPLR	AA			
B	16	4	N	FPLR	BB			
C	16	2	N	FPLP	CC			
D	16	4	N	FPLP	DD			
E	14	2	N	FPLR	EE			
F	14	4	N	FPLR	FF			
G	14	2	N	FPLP	GG			
H	14	4	N	FPLP	HH			
I	12	2	N	FPLR	II			
J	12	4	N	FPLR	JJ			
K	12	2	N	FPLP	KK			
L	12	4	N	FPLP	LL			
M	16	2	N	TFFN	MM			
N	16	4	N	TFFN	NN			
O	16	2	N	THWN	OO			
P	16	4	N	THWN	PP			
Q					QQ			
U					UU			
R					RR			
S					SS			
T					TT			
U					UU			
V					VV			
X					XX			
Y					YY			
Z					ZZ			

PROJECT DETAILS

SCOPE OF WORK

THE SCOPE OF THIS PROJECT IS TO REPLACE THE EXISTING FIRE ALARM CONTROL PANEL. ALL OTHER DEVICES WILL REMAIN UNALTERED. THIS IS NOT RELATED TO ANY TENANT IMPROVEMENT OR CONSTRUCTION.

SYSTEM CODES

INTERNATIONAL BUILDING CODE (IBC 2021 EDITION)	ADA INTERNATIONAL CODE ANSI 117.1
INTERNATIONAL FIRE CODE (IFC 2021 EDITION)	UNDERWRITERS LABORATORIES, INCORPORATED
NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 70 2019 EDITION)	PUYALLUP MUNICIPAL CODES
NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 72 2019 EDITION)	
NATIONAL FIRE PROTECTION (NFPA 101 2019 EDITION)	

USE & OCCUPANCY CLASSIFICATION

<input type="checkbox"/> ASSEMBLY (A)	<input type="checkbox"/> A-1	<input type="checkbox"/> A-2	<input type="checkbox"/> A-3	<input type="checkbox"/> A-4	<input type="checkbox"/> A-5
<input checked="" type="checkbox"/> BUSINESS (B)					
<input type="checkbox"/> EDUCATIONAL (E)					
<input type="checkbox"/> FACTORY & INDUSTRIAL (F)	<input type="checkbox"/> F-1	<input type="checkbox"/> F-2			
<input type="checkbox"/> HIGH HAZZARD (H)	<input type="checkbox"/> H-1	<input type="checkbox"/> H-2	<input type="checkbox"/> H-3	<input type="checkbox"/> H-4	<input type="checkbox"/> H-5
<input type="checkbox"/> INSTITUTIONAL (I)	<input type="checkbox"/> I-1	<input type="checkbox"/> I-2	<input type="checkbox"/> I-3	<input type="checkbox"/> I-4	
<input type="checkbox"/> MERCANTILE (M)					
<input type="checkbox"/> RESIDENTIAL (R)	<input type="checkbox"/> R-1	<input type="checkbox"/> R-2	<input type="checkbox"/> R-3	<input type="checkbox"/> R-4	
<input type="checkbox"/> STORAGE (S)	<input type="checkbox"/> S-1	<input type="checkbox"/> S-2	<input type="checkbox"/> S-3	<input type="checkbox"/> S-4	
<input type="checkbox"/> UTILITY & MISCELLANEOUS (U)					

BUILDING CONSTRUCTION TYPES

<input type="checkbox"/> TYPE I	<input type="checkbox"/> TYPE I-A	<input type="checkbox"/> TYPE I-B
<input type="checkbox"/> TYPE II	<input type="checkbox"/> TYPE II-A	<input type="checkbox"/> TYPE II-B
<input type="checkbox"/> TYPE III	<input type="checkbox"/> TYPE III-A	<input type="checkbox"/> TYPE III-B
<input type="checkbox"/> TYPE IV		
<input type="checkbox"/> TYPE V	<input type="checkbox"/> TYPE V-A	<input type="checkbox"/> TYPE V-B

AUTOMATIC SPRINKLER PROTECTION

<input type="checkbox"/> NO	<input type="checkbox"/> PARTIAL	<input checked="" type="checkbox"/> FULL
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GENERAL NOTES

- INSTALLATION SHALL BE ACCOMPLISHED IN STRICT COMPLIANCE WITH NFPA, LOCAL, AND STATE AHJ'S, NEC, AND CONTRACT DRAWINGS.
- AS-BUILT DRAWINGS ARE REQUIRED AT THE TIME OF AHJ ACCEPTANCE. SMITH FIRE SYSTEMS REQUIRES ELECTRICAL RED LINES WITH IN TWO WEEKS PRIOR TO PRIOR TO AHJ TESTS.
- AGREEMENT AND CONFIRMATION OF ALL MILESTONE EVENTS WILL BE MADE WITH SMITH FIRE SYSTEMS PROJECT MANAGER. ALL SMITH FIRE SYSTEMS FIELD SERVICES MUST BE SCHEDULED WITH SMITH FIRE SYSTEMS PROJECT MANAGER WITH A MINIMUM OF TEN BUSINESS DAYS ADVANCE NOTICE.
- A SET OF INSTALLATION AS-BUILT DRAWINGS SHOWING ACTUAL CONDUIT AND CONDUCTOR ROUTES SHALL BE KEPT BY PROJECT FOREMAN FOR USE BY SMITH FIRE SYSTEMS ALARM TECHNICIAN.
- FIRE ALARM CONTROL PANEL SHALL NOT BE ENERGIZED WITHOUT THE PRESENCE OF A SMITH FIRE SYSTEMS ALARM TECHNICIAN.
- THE FIRE ALARM SYSTEM SHALL BE MONITORED BY A UNDERWRITERS LISTED MONITORING STATION BEFORE AHJ'S TEST.
- WIRE ROUTING IS DIAGRAMMATIC IN NATURE ONLY AND NOT INTENDED FOR ACTUAL CONDUIT ROUTING.
- ALL CONDUIT SIZING AND ROUTING BY ELECTRICAL CONTRACTOR PER NEC AND AHJ.
- NO LINE VOLTAGE IN SAME CONDUIT AS POWER LIMITED FIRE ALARM CABLE.
- VERIFY ALL LOCATIONS OF DEVICES WITH ELECTRICAL AND ARCHITECTURAL PLANS. SCALE AND PLACE ALL DEVICES PER ELECTRICAL AND ARCHITECTURAL PLANS.
- FIELD VERIFY WATERFLOW SWITCHES, TAMPER SWITCHES, PRESSURE SWITCHES, SMOKE DAMPERS, AND DUCT DETECTOR LOCATIONS.
- FIELD VERIFY ALL WIRING LOCATIONS AND REQUIREMENTS FOR HVAC AND FAN CONTROL.
- SMOKE DETECTORS SHALL NOT BE LOCATED WITH IN 36" OF ANY AIR DIFFUSER.
- WALL MOUNTED AUDIBLE/VISUAL APPLIANCES SHALL BE MOUNTED IN SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THE 96" ABOVE FINISHED FLOOR.
- THE OPERABLE PART OF EACH MANUAL FIRE ALARM BOX SHALL BE NOT LESS THAN 3'-6" AND NOT MORE THAN 4'-6" ABOVE THE FINISHED FLOOR.
- NO DETECTOR SHALL BE INSTALLED UNTIL AFTER FINAL CONSTRUCTION CLEAN-UP. DETECTORS THAT HAVE BEEN INSTALLED PRIOR TO CLEAN-UP MUST BE CLEANED OR REPLACED AND WILL BE INVOICED ON A TIME AND MATERIAL BASES.
- A DEDICATED BRANCH CIRCUIT OF ONE OF THE FOLLOWING SHALL SUPPLY PRIMARY POWER.  
A) COMMERCIAL LIGHT AND POWER.  
B) AN ENGINE-DRIVEN GENERATOR OR EQUIVALENT WHERE A PERSON SPECIFICALLY TRAINED IN ITS OPERATIONS IS ON DUTY AT ALL TIMES.  
C) AN ENGINE-DRIVEN GENERATOR OR EQUIVALENT ARRANGED FOR COGENERATION WITH COMMERCIAL LIGHT AND POWER WHERE A PERSON SPECIFICALLY TRAINED IN ITS OPERATION IS ON DUTY AT ALL TIMES.
- ALL CIRCUITS WILL BE PROPERLY TAGGED AND TESTED FOR OPENS, SHORTS, GROUNDS, AND PROPER "END-TO-LINE" RESISTANCE. EACH CIRCUITS METER READING MUST BE DOCUMENTED AND PRESENTED TO SMITH FIRE SYSTEMS ALARM TECHNICIAN UPON ARRIVAL ONSITE FOR STARTUP AND CHECKOUT.
- NO TAPPING OF SIGNALING OR INITIATING ZONE CIRCUITS ARE ALLOWED. T-TAPPING OF STYLE 4 ADDRESSABLE CIRCUITS IS ALLOWED PROVIDING A SPLICE IS PROFESSIONALLY INSTALLED. POLARITY IS OBSERVED, AND SHIELDS ARE CONTINUOUS AND FREE OF GROUNDS. SHIELDS MUST BE TERMINATED AT THE FIRE ALARM CONTROL PANEL ONLY. CABLE SHIELDS SHALL BE SPLICED TOGETHER AT EVERY JUNCTION BETWEEN THE FIRE ALARM CONTROL PANEL AND THE LAST DEVICE ON EACH CABLE RUN. SHIELDS AND OTHER FIRE ALARM CONDUCTORS (EXCEPT POWER GROUNDS) SHALL BE INSULATED AND COMPLETELY FREE FROM CONDUIT OR EARTH GROUNDS. SHIELDS WILL BE TIED TO GROUND ONLY AT THE FIR ALARM CONTROL PANEL.

DRAWING ACCEPTANCE

THIS DRAWING IS TO BE USED FOR THE PURPOSE OF PLACING AND LOCATING SMITH FIRE SYSTEMS FIRE ALARM DEVICES AND IS NOT BE USED FOR ANY OTHER PURPOSES.

RECORD DRAWINGS

ALL WORK PERFORMED IN THE FIELD SHALL BE ACCURATELY RECORDED ON THESE DRAWINGS AND RETURNED TO SMITH FIRE SYSTEMS CORPORATE OFFICE.









MONITORING COMPANY

SOUND ELETRONICS  
3400 S. 37TH ST. TACOMA, WA 98409  
ACCOUNT# LACAESA459





















INSTALLATION COMPANY

SMITH FIRE SYSTEMS  
1106 54TH AVE E, TACOMA, WA 98424














FIRE ALARM - PANELS

QTY	SYMBOL	DEVICE DESCRIPTION
1		FIRE ALARM CONTROL PANEL
		FM-200 CLEAN AGENT PANEL
		PRE-ACTION CONTROL PANEL
		VOICE EVACUATION CONTROL PANEL
		FIRE SIGNAL EXPANDER
		REMOTE ANNUNCIATOR
		SUBSCRIBER TERMINAL UNIT
		AES TRANSMITTER














FIRE ALARM - NOTIFICATION DEVICES

QTY	SYMBOL	DEVICE DESCRIPTION
		WALL STROBE
		WALL STROBE WEATHERPROOF
		CEILING STROBE
		CEILING STROBE WEATHERPROOF
		WALL HORN-STROBE
		WALL HORN-STROBE WEATHERPROOF
		CEILING HORN-STROBE
		CEILING HORN-STROBE WEATHERPROOF
		WALL HORN
		CEILING HORN
		WALL MINI-SPEAKER
		WALL SPEAKER
		CEILING SPEAKER
		WALL SPEAKER-STROBE
		CEILING SPEAKER-STROBE
		WALL CHIME
		CEILING CHIME
		WALL BUZZER
		CEILING BUZZER
		BELL






FIRE ALARM - DETECTORS

QTY	SYMBOL	DEVICE DESCRIPTION
E		SMOKE DETECTOR
		SMOKE DETECTOR ABOVE CEILING
		SMOKE DETECTOR BELOW CEILING
E		DUCT SMOKE DETECTOR
		DUCT SMOKE DETECTOR REMOTE TEST SWITCH
		SMOKE BEAM TRANSMITTER
		SMOKE BEAM RECEIVER
E		135° FIXED TEMP HEAT DETECTOR
		135° RATE OF RISE HEAT DETECTOR
		194° FIXED TEMP HEAT DETECTOR
		194° RATE OF RISE HEAT DETECTOR
		190° FIXED TEMP HEAT DETECTOR
		194° LINE TYPE HEAT DETECTOR





FIRE ALARM - MODULE / RELAY

QTY	SYMBOL	DEVICE DESCRIPTION
E		MANUAL PULL STATION
		MINI MONITOR MODULE
E		MONITOR MODULE
		TWO POINT POINT MONITOR MODULE
		FOUR POINT MONITOR MODULE
		RELAY MODULE
		CONTROL RELAY MODULE
		INPUT MODULE
		FOUR POINT INPUT/OUTPUT RELAY MODULE
		ISOLATION MODULE
		NOTIFICATION MODULE
		SYNC MODULE
		DOOR MODULE



FIRE ALARM - SPRINKLER

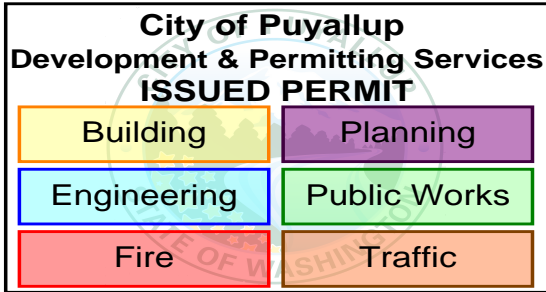
QTY	SYMBOL	DEVICE DESCRIPTION
		SPRINKLER RISER
		WATER GONG BELL
E		WATERFLOW SWITCH
		PRESSURE SWITCH
E		TAMPER SWITCH

FIRE ALARM - FIREMAN'S PHONE

QTY	SYMBOL	DEVICE DESCRIPTION
		ELEVATOR STATUS RECALL
		FIRE FIGHTERS PHONE
		FIRE FIGHTERS PHONE JACK
		FIRE FIGHTERS HANDSET

FIRE ALARM - MISCELLANEOUS

QTY	SYMBOL	DEVICE DESCRIPTION
E		KITCHEN HOOD
		JUNCTION BOX
2		BATTERY



- READ PERMIT CONDITIONS
- Provide a pretest of all spaces prior to scheduling an inspection. This will need to be orchestrated with all tenant spaces. The pretest will be used as part of the Fire Alarm Testing. All spaces will need to provide access day of inspection.

City of Puyallup  
Fire  
REVIEWED  
FOR  
COMPLIANCE

DDrake  
12/10/2024  
10:32:11 AM



THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.

Approval of submitted plans is not an approval of omissions or oversight by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable building codes and regulations of the local government.

MERIDIAN MARKET FACP

4301 S. MERIDIAN  
PUYALLUP, WA  
PARCEL# 0419102074

ISSUE LOG:

DATE	INT	DESCRIPTION

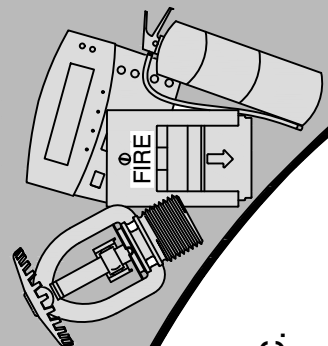
CONSTRUCTION SET

DESIGNER:	SCOTT JERKE
ISSUE DATE:	10/29/24
PROJECT #:	FA24144
SYSTEM:	FIRE ALARM

SHEET:

GENERAL SHEET  
LEGEND & NOTES

FA001



SMITH  
FIRE SYSTEMS INC.

1106 54TH AVE E  
TACOMA, WA 98424  
(253) 926-1880  
SMITHFS061RS



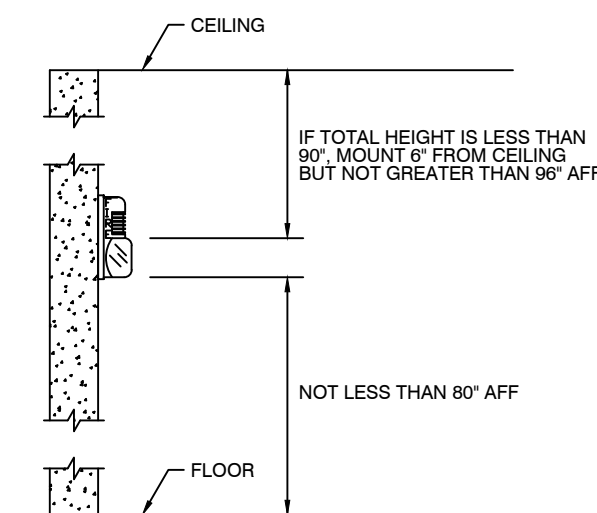
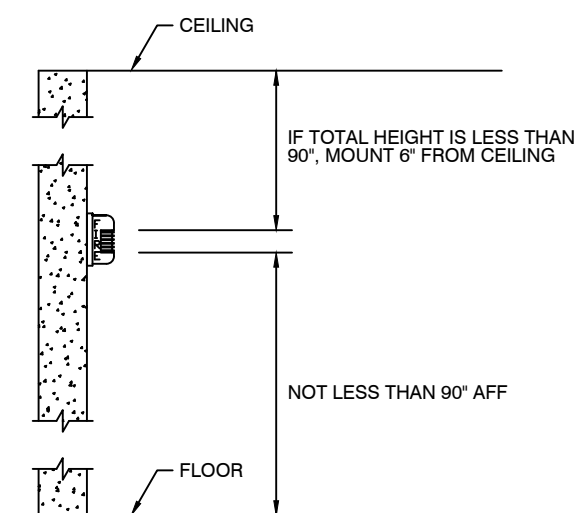




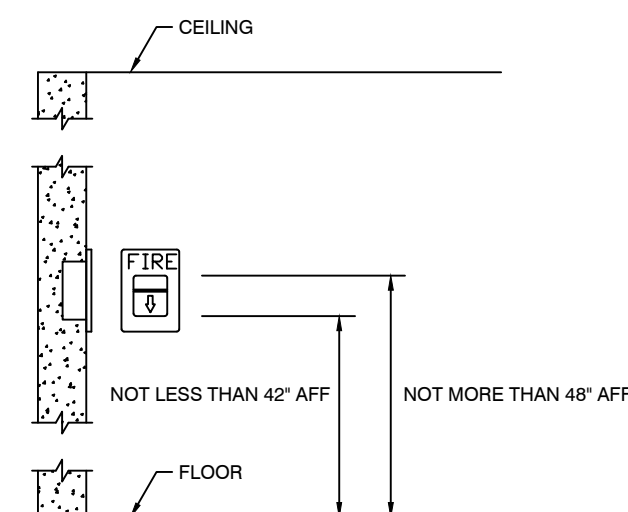
## C POWER CALCULATIONS

[illegible]

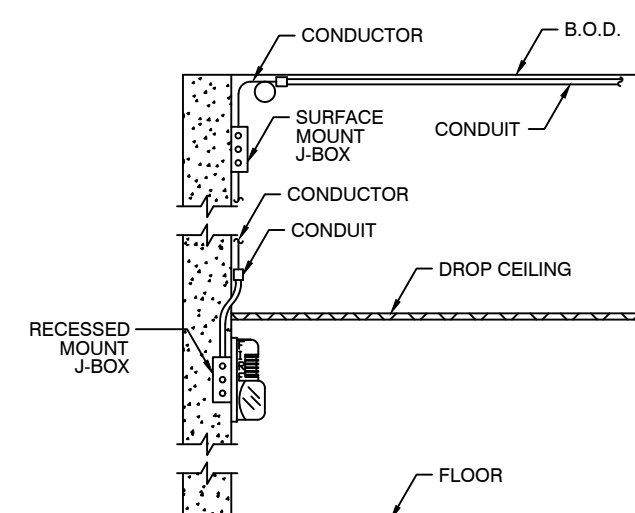




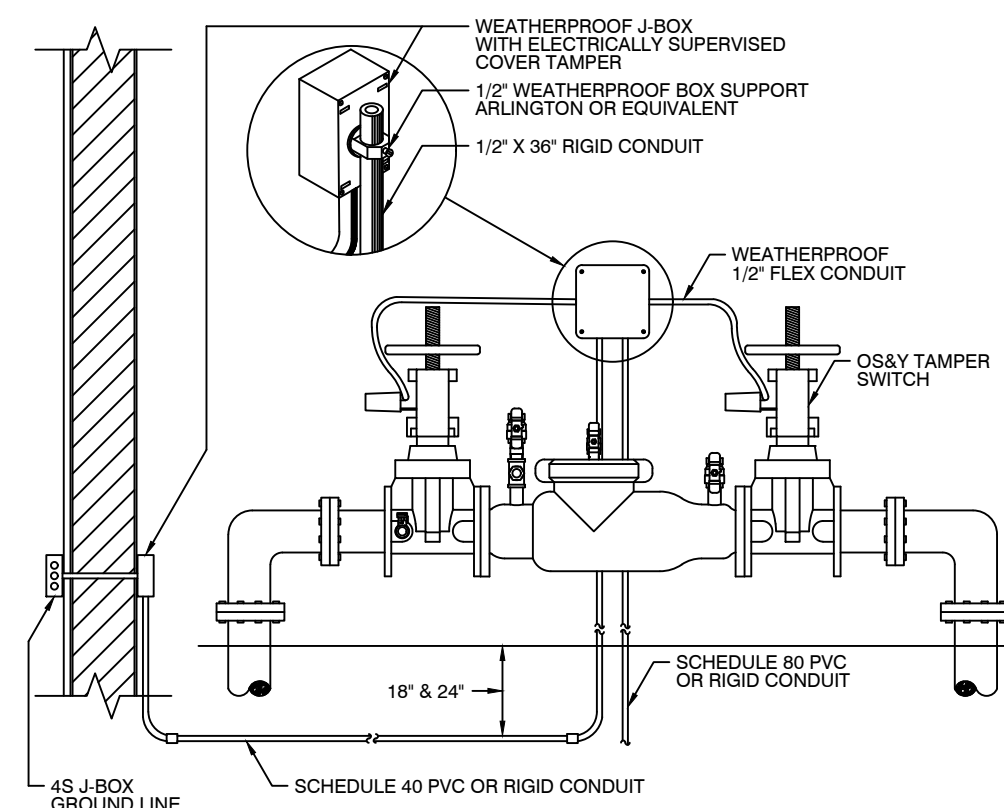
## A FIRE ALARM - HORN MOUNTING



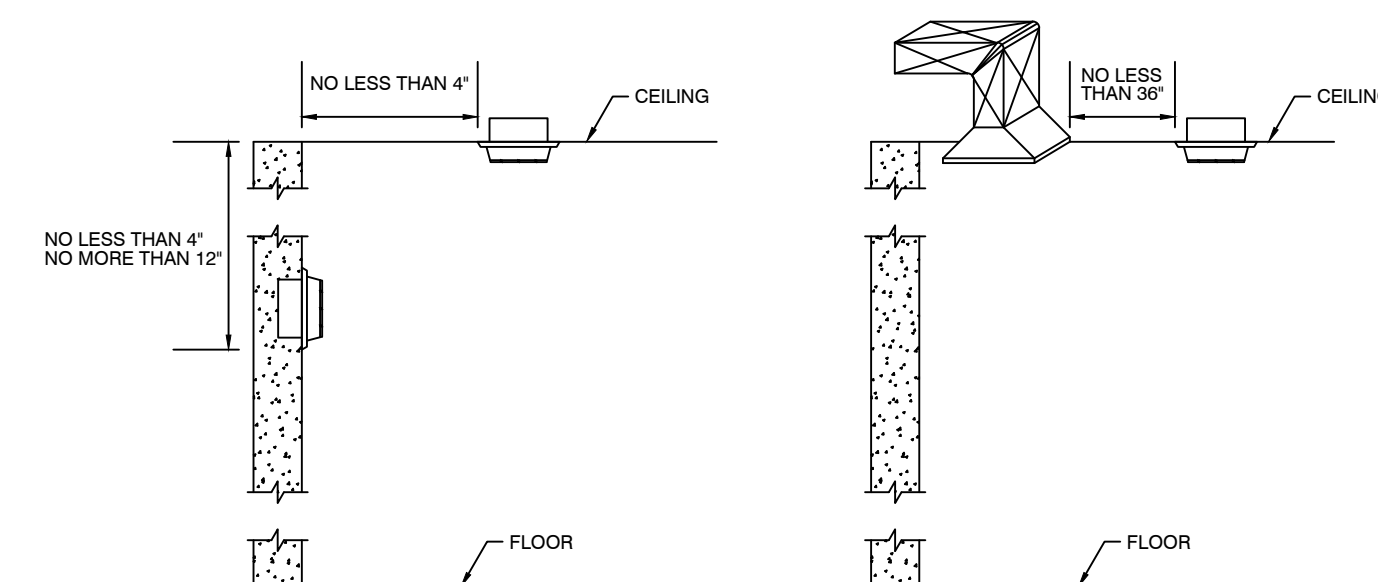
## C FIRE ALARM - PULL STATION MOUNTING



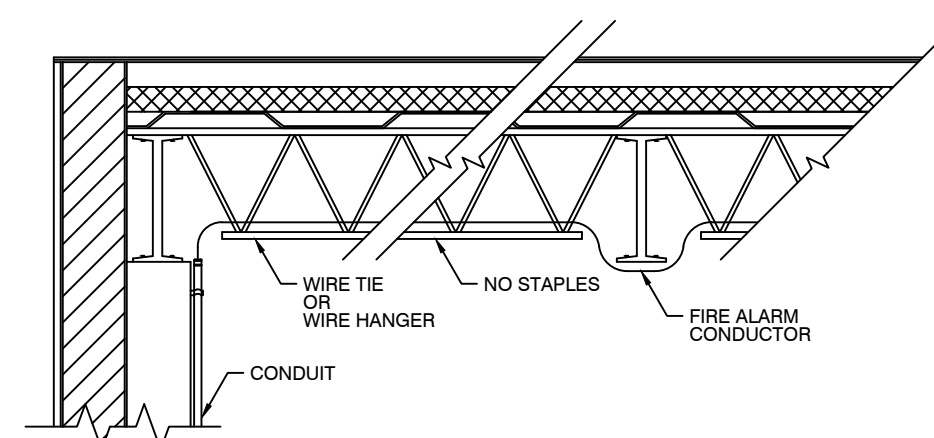
## F FIRE ALARM - CONDUIT WALL & CEILING



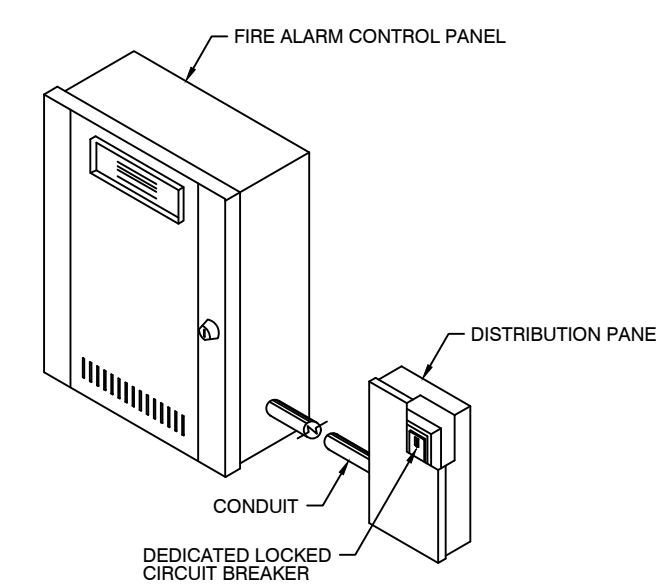
## I FIRE ALARM - DCVA TAMPER SWITCHES



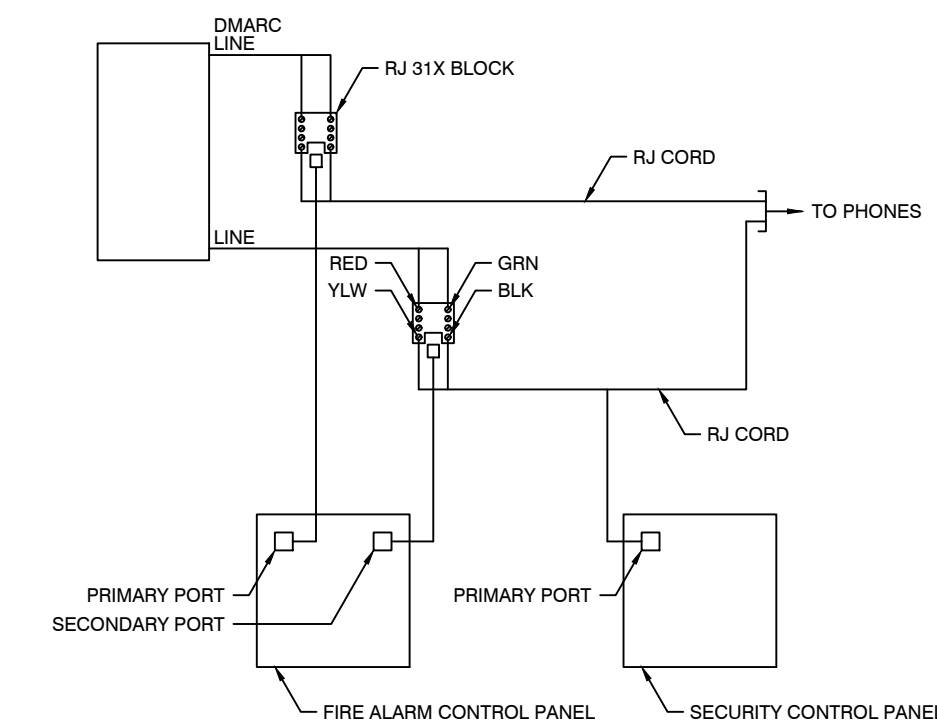
## D FIRE ALARM - SMOKE & HEAT MOUNTING



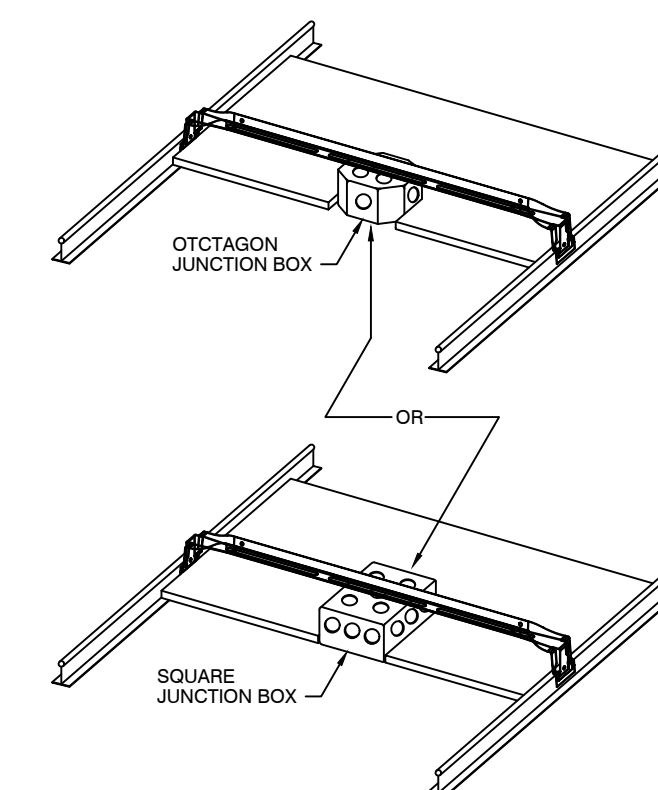
## G FIRE ALARM - CEILING TO WALL TRANSITION AND OPEN WIRING



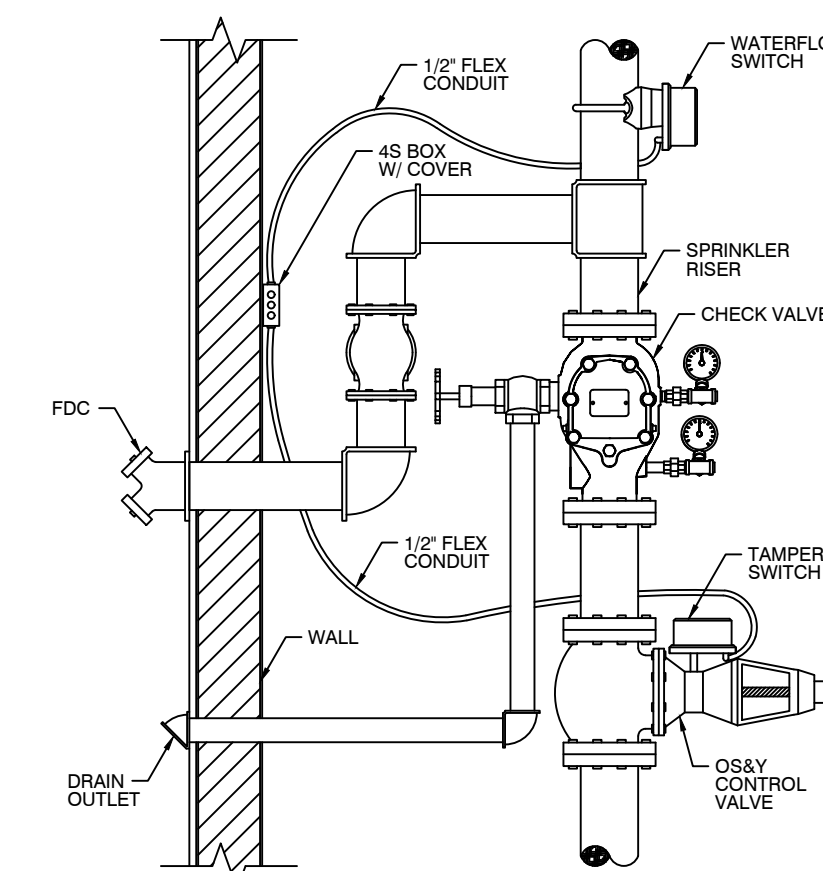
**J FIRE ALARM - POWER DISCONNECT**



## E FIRE ALARM - PHONE CONNECTION



**H FIRE ALARM - DROP CEILING & J BOX**



**K** FIRE ALARM - OS&Y TAMPER GATE VALVE

ISSUE LOG:									
	DATE	INT	DESCRIPTION						
CONSTRUCTION SET									
DESIGNER:		SCOTT JERKE							
ISSUE DATE:									
PROJECT #:									
SYSTEM:									
FIRE ALARM									
SHEET:									
<div style="font-size: 24px; font-weight: bold; margin-bottom: 10px;">PRODUCT TYPICALS</div> <hr style="border: 1px solid black; margin: 10px 0;"/> <div style="font-size: 48px; font-weight: bold; margin-top: 20px;">FA601</div>									