

SFS SMITH FIRE SYSTEMS INC.

1106 54TH AVE E
TACOMA, WA 98424
(253) 924-1880
SMITHFS@GIRG

MULTICARE GSH NOTIFICATION

[illegible]

SHEET	DESCRIPTION
FA0XX	GENERAL SHEET, LEGEND & NOTES
FA1XX	DEVICE LOCATION VIEWS - FIRST FLOOR
FA2XX	ELEVATION VIEWS
FA3XX	SECTION VIEWS
FA4XX	LARGE SCALE VIEWS
FA5XX	SCHEDULES & RISER DIAGRAMS
FA6XX	PRODUCT TYPICALS
FA7XX	DEVICE DETAILS
FA8XX	POWER CALCULATIONS
FA9XX	PRODUCT SHEETS

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

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			

THE SCOPE OF THIS PROJECT IS TO REPLACE ALL NOTIFICATION APPLIANCES WITH COMPATIBLE SYNCHRONIZED NOTIFICATION APPLIANCES. ALL NEW NOTIFICATION APPLIANCES WILL REPLACE EACH EXISTING NOTIFICATION APPLIANCE LIKE FOR LIKE. I.E., A NEW HORNSTROBE WILL BE ONLY REPLACE AN EXISTING HORNSTROBE. A NEW STROBE WILL ONLY REPLACE AN EXISTING STROBE.	
SYSTEM CODES	
NATIONAL BUILDING CODE (IBC 2018 EDITION)	ADA INTERNATIONAL CODE ANSIIE 7-1
NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 70 2018 EDITION)	UNDERWRITERS LABORATORIES, INCORPORATED
NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 72 2018 EDITION)	PUNYALLUP MUNICIPAL CODES
NATIONAL FIRE PROTECTION (NFPA 101 2011 EDITION)	
USE & OCCUPANCY CLASSIFICATION	
☐ ASSEMBLY (A)	☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
☐ BUSINESS (B)	
☐ EDUCATIONAL (E)	
☐ FACTORY & INDUSTRIAL (F)	☐ F-1 ☐ F-2
☐ HIGH HAZZARD (H)	☐ H-1 ☐ H-2 ☐ H-3 ☐ H-4 ☐ H-5
☐ INSTITUTIONAL (I)	☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
☐ MERCANTILE (M)	
☐ RESIDENTIAL (R)	☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
☐ STORAGE (S)	☐ S-1 ☐ S-2 ☐ S-3 ☐ S-4
☐ UTILITY & MISCELLANEOUS (U)	
BUILDING CONSTRUCTION TYPES	
☐ TYPE I	☐ TYPE I-A ☐ TYPE I-B
☐ TYPE II	☐ TYPE II-A ☐ TYPE II-B
☐ TYPE III	☐ TYPE III-A ☐ TYPE III-B
☐ TYPE IV	
☐ TYPE V	☐ TYPE V-A ☐ TYPE V-B
AUTOMATIC SPRINKLER PROTECTION	
☐ NO	☐ PARTIAL ☒ FULL

1. INSTALLATION SHALL BE ACCOMPLISHED IN STRICT COMPLIANCE WITH NFPA, LOCAL, AND STATE AHJS, NEC, AND CONTRACT DRAWINGS.
2. AS-BUILT DRAWINGS ARE REQUIRED AT THE TIME OF AHJ ACCEPTANCE. SMITH FIRE SYSTEMS REQUIRES ELECTRICAL RED LINES WITHIN TWO WEEKS PRIOR TO PROJECT AHJ TESTS.
3. A AGREEMENT AND CONFIRMATION OF ALL LIFETIME EVENTS WILL BE MADE WITH SMITH FIRE SYSTEMS PROJECT MANAGER. ALL SMITH FIRE SYSTEMS FIELD SERVICES MUST BE SCHEDULED WITH THE SMITH FIRE SYSTEMS PROJECT MANAGER WITH A MINIMUM OF TEN BUSINESS DAYS ADVANCE NOTICE.
4. 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.
5. FIRE ALARM CONTROL PANEL SHALL NOT BE DEROGATED WITHOUT THE PRESENCE OF A SMITH FIRE SYSTEMS ALARM TECHNICIAN.
6. THE FIRE ALARM SYSTEM SHALL BE MONITORED BY A UNDERWRITERS LISTED MONITORING STATION BEFORE AHJS TEST.
7. WIRE ROUTING IS DIAGRAMMATIC IN NATURE ONLY AND NOT INTENDED FOR ACTUAL CONDUIT ROUTING.
8. ALL CONDUIT SIZING AND ROUTING BY ELECTRICAL CONTRACTOR PER NEC AND AHJ.
9. NO LINE VOLTAGE IN SAME CONDUIT WITH POWER LIMITED FIRE ALARM CABLE.
10. VERIFY ALL LOCATIONS OF DEVICES WITH ELECTRICAL AND ARCHITECTURAL PLANS. SCALE AND PLACE ALL DEVICES PER ELECTRICAL AND ARCHITECTURAL PLANS.
11. FIELD VERIFY WATERFLOW SWITCHES, TAMPER SWITCHES, PRESSURE SWITCHES, SMOKE DAMPERS, AND DUCT DETECTOR LOCATIONS.
12. FIELD VERIFY ALL WIRING LOCATIONS AND REQUIREMENTS FOR HVAC AND FAN CONTROL.
13. SMOKE DETECTORS SHALL NOT BE LOCATED WITHIN 3' OF ANY AIR DIFFUSER.
14. WALL MOUNTED AUDIBLE/VISUAL APPLIANCES SHALL BE MOUNTED IN SUCH THAT THE ENTIRE LINE IS NOT LESS THAN 8" AND NOT GREATER THE 8" ABOVE FINISHED FLOOR.
15. THE OPERABLE PART OF EACH MANUAL FIRE ALARM BOX SHALL BE NOT LESS THAN 3" 4" AND NOT MORE THAN 4" 6" ABOVE THE FINISHED FLOOR.
16. DETECTOR BRANCH BE INSTALLED UNTIL AFTER FINAL CONSTRUCTION CLEANUP. DETECTORS THAT HAVE BEEN INSTALLED PRIOR TO CLEAN UP MUST BE CLEANED OR REPLACED AND WIRE BE WIDENED ON A TIME AND MATERIAL BASIS.
17. A DEDICATED BRANCH CIRCUIT OF ONE OF THE FOLLOWING SHALL SUPPLY PRIMARY POWER:
 - A. COMMERCIAL LIGHT AND POWER.
 - B. A 120V SINGLE PHASE 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.
18. ALL CIRCUITS WILL BE PROPERLY TAGGED AND TESTED FOR OPENES, SHORTS, GROUND, AND PROPER END-TO-END RESISTANCE. EACH CIRCUITS METER READING MUST BE DOCUMENTED AND PRESENTED TO SMITH FIRE SYSTEMS ALARM TECHNICIAN UPON ARRIVAL ON SITE FOR STARTUP AND CHECKOUT.
19. NO TAPPING OR SIGNALING OR INITIATING ZONE CIRCUITS ARE ALLOWED. TAPPING OF SINGLE 4 ADDRESSABLE CIRCUITS IS ALLOWED PROVIDED A SPICE AND SCHEDULED INSTALLATION OF THE CIRCUITS IS OBSERVED, AND SHIELDS ARE CONTINUOUS AND FIRE PROOF. CIRCUITS SHALL BE TERMINATED AT THE FIRE ALARM CONTROL PANEL ONLY. CABLE SHIELDS SHALL BE SPLICED THROUGH A EVERY JUNCTION BETWEEN THE FIRE ALARM CONTROL PANEL AND TRUNKED IN TWICE ON EACH CABLE RUN. SHIELDS AND OTHER FIRE ALARM CONDUCTORS EXCEPT POWER CONDUCTORS SHALL BE INSULATED AND COMPLETELY FREE FROM CONDUIT OR EARTH GROUND. SHIELDS WILL BE TIED TO GROUND ONLY AT THE FIRE ALARM CONTROL PANEL.

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.

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

T.B.D.	SMITH FIRE SYSTEMS 1108 54TH AVE E, TACOMA, WA 98424
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SMITH FIRE SYSTEMS
1106 54TH AVE E, TACOMA, WA 98424

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

QTY	SYMBOL	DEVICE DESCRIPTION
93		WALL STROBE
6		WALL STROBE WEATHERPROOF
		CEILING STROBE
39		CEILING STROBE WEATHERPROOF
		WALL HORN-STROBE
		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

QTY	SYMBOL	DEVICE DESCRIPTION
		SMOKE DETECTOR
		SMOKE DETECTOR ABOVE CEILING
		SMOKE DETECTOR BELOW CEILING
		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

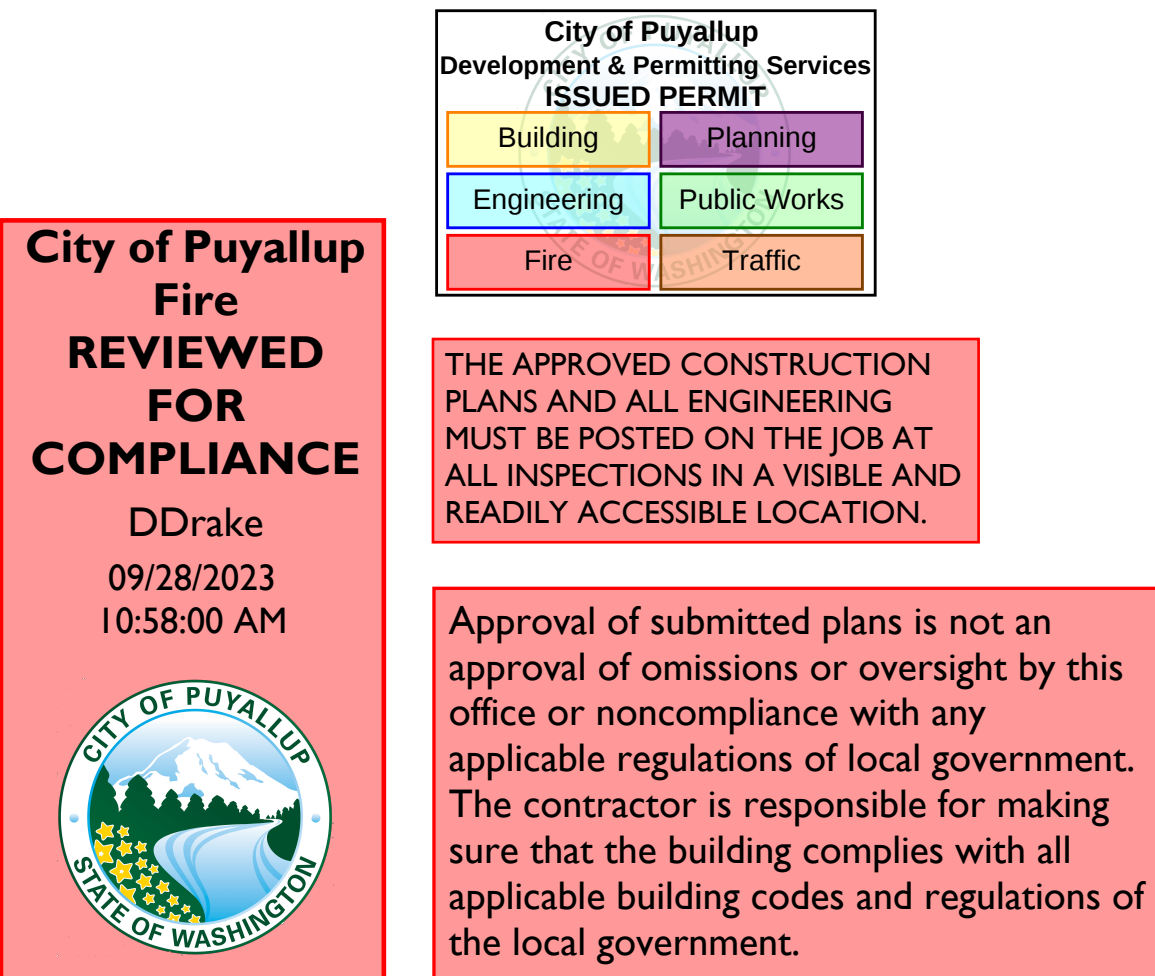
QTY	SYMBOL	DEVICE DESCRIPTION
E	F	MANUAL PULL STATION
E	M	MINI MONITOR MODULE
	N	MONITOR MODULE
	N2	TWO POINT POINT MONITOR MODULE
	N4	FOUR POINT MONITOR MODULE
	R	RELAY MODULE
	R2	CONTROL RELAY MODULE
	I	INPUT MODULE
	I2	FOUR POINT INPUT/OUTPUT RELAY MODULE
	I3	ISOLATION MODULE
	N5	NOTIFICATION MODULE
	S	SYNC MODULE
	DH	DOOR HOLDER

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

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

QTY	SYMBOL	DEVICE DESCRIPTION
		KITCHEN HOOD
		JUNCTION BOX
2		BATTERY

QTY	SYMBOL	DEVICE DESCRIPTION
		NURSE CALL
		CCTV CAMERA
		CCTV CAMERA WEATHERPROOF
		DOOR BELL
		DOOR BUZZER
		DOOR CHIME
		SECURITY ELECTRONIC DOOR OPENER
		SECURITY ELECTRONIC DOOR STRIKE
		INTERCOM UNIT
		MASTER INTERCOM & DIRECTORY
		MOTION DETECTOR
		SECURITY DOOR ALARM MAG LOCK
		SECURITY CARD READER
		SECURITY CARD READER WEATHERPROOF
		SECURITY CONTROL UNIT
		SECURITY DOOR PANEL
		SECURITY DOOR CONTACTS
		SECURITY EXIT PUSH BUTTON
		SECURITY KEY PAD

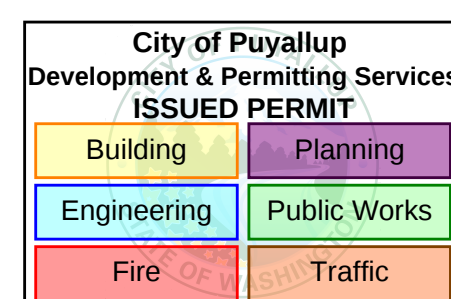


ISSUE LOG:	DATE	INT	DESCRIPTION
CONSTRUCTION SET			
DESIGNER:		SCOTT KERKE	
ISSUE DATE:		8/3/23	
PROJECT #:		FA22068	
SYSTEM:			
FIRE ALARM			
SHEET:			
GENERAL SHEET LEGEND & NOTES			

FA001

MULTICARE GSH NOTIFICATION

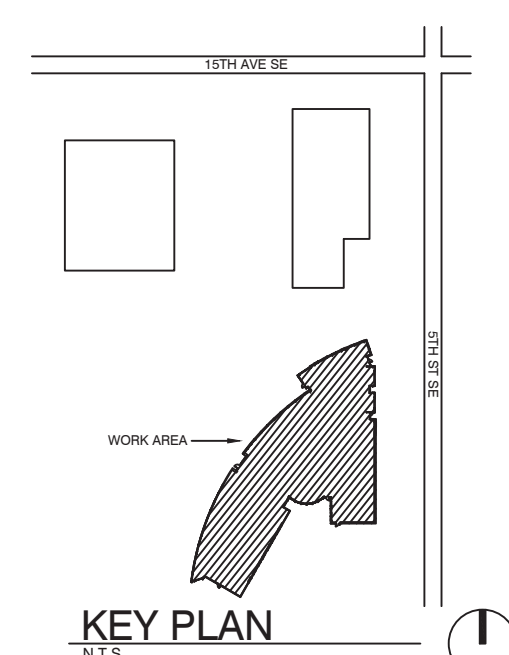
402 15TH AVE SE
PUYALLUP, WA 98372
PARCEL# 7790000566



LOUIS LYNN
FIRE ALARM SYSTEMS II
SPECIAL HAZARDOUS II
WATER BASED SYSTEMS LAYOUT II
CERT #119584
EXP 6/1/25

[Signature]

KEY PLAN

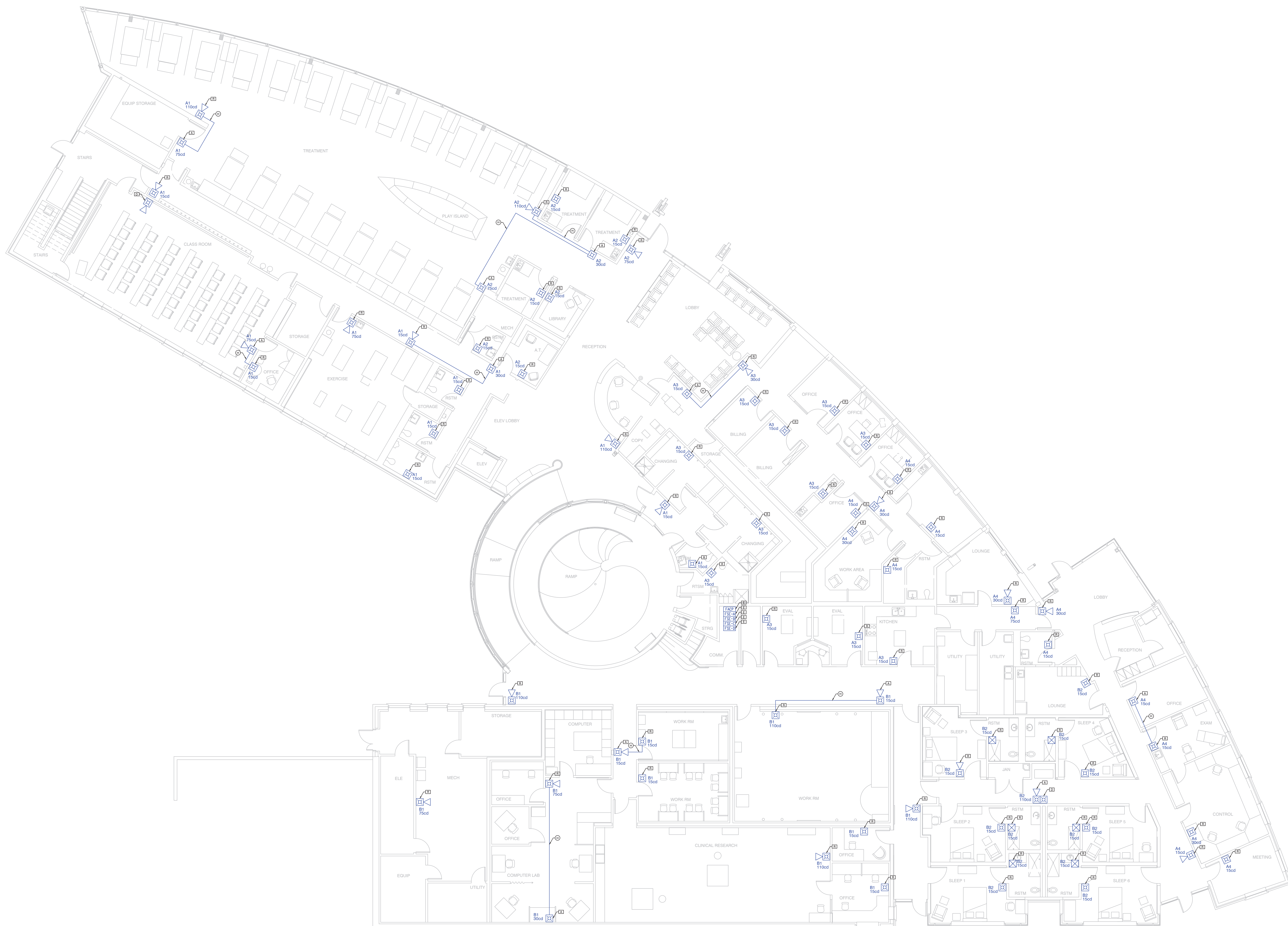


ISSUE LOG		CONSTRUCTION SET	
DATE	DESCRIPTION	DESIGNER	SCOTT JERKE
		ISSUE DATE	8/3/23
		PROJECT #	FA22088
		SYSTEM	FIRE ALARM
		SHEET:	
		LOCATION VIEWS	
		FA101	

A

DEVICE LOCATION VIEWS - FIRST LEVEL

SCALE: 1/8" = 1'-0"



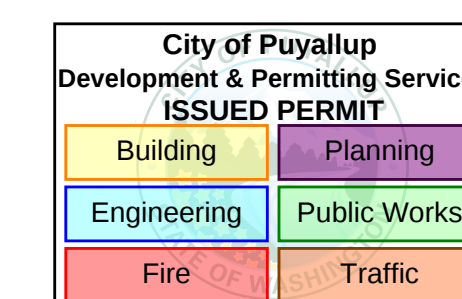


402 15TH AVE SE
PUYALLUP, WA 98372
PARCEL# 7790000566

[illegible]

CONSTRUCTION SET	
DESIGNER:	SCOTT JERKE
ISSUE DATE:	8/3/23
PROJECT #:	FA22088
SYSTEM:	
FIRE ALARM	
SHEET:	

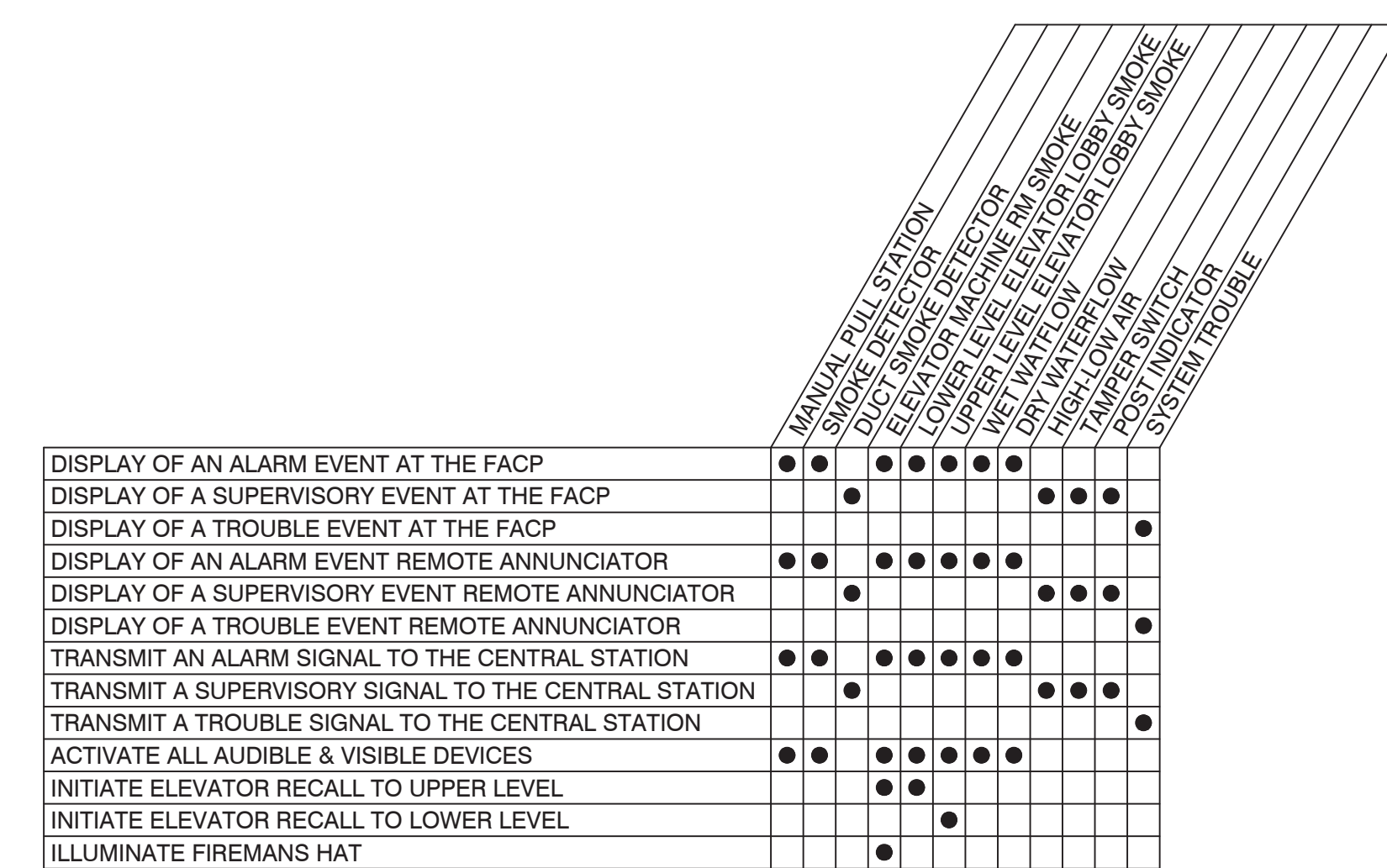
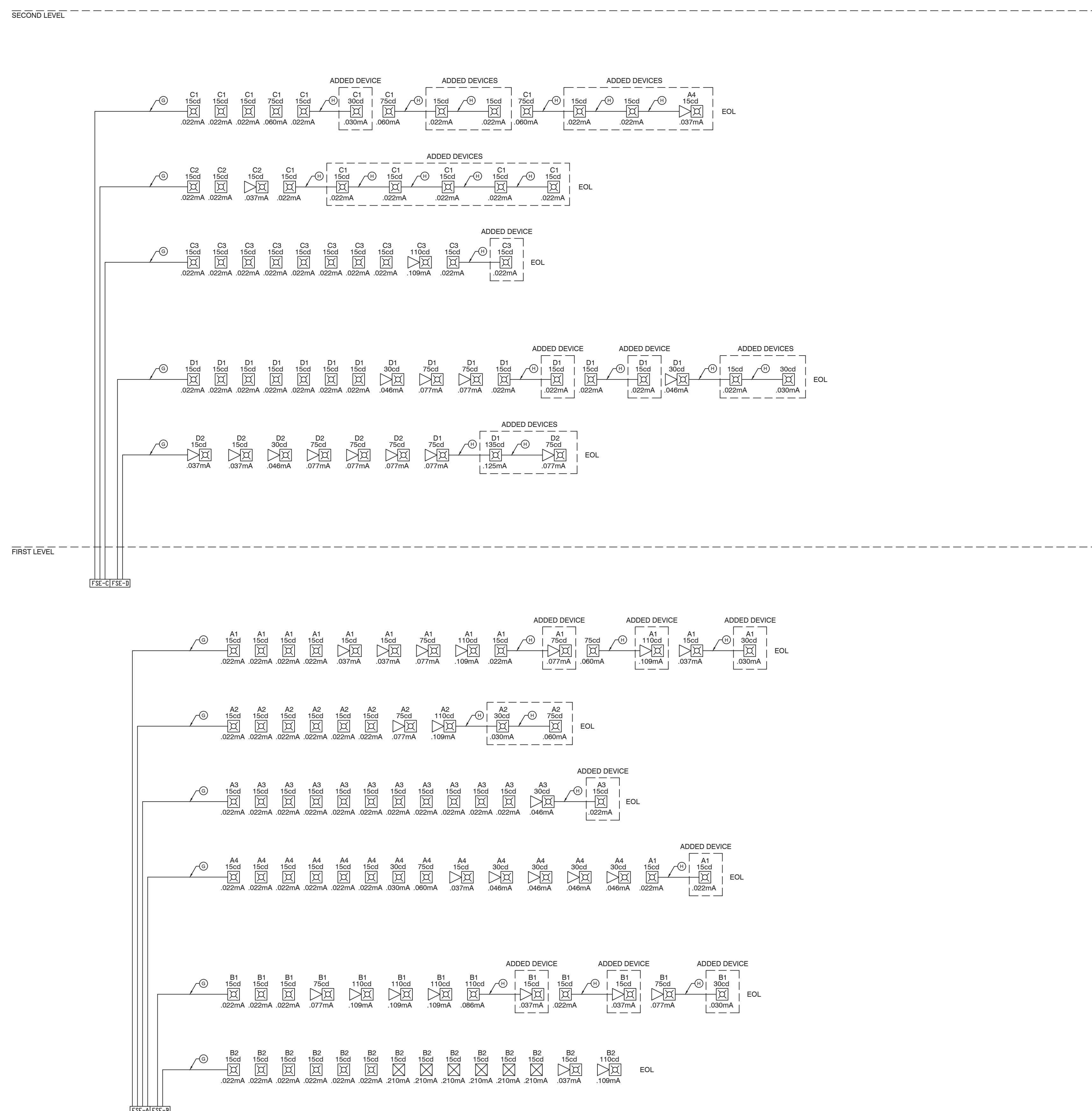
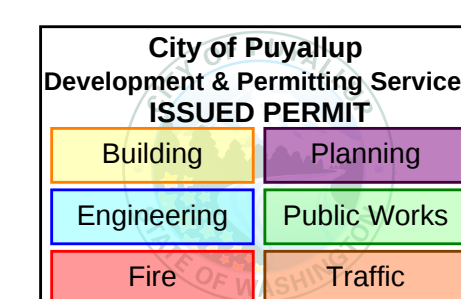
FA102

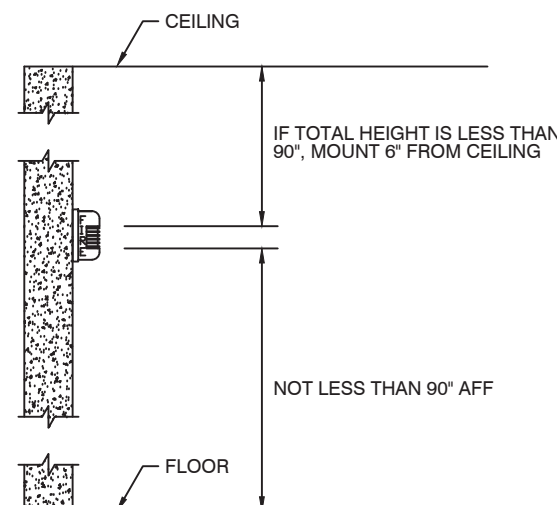


LOUIS LYNN
FIRE ALARM SYSTEMS III
SPECIAL HAZARDS III
WATER BASED SYSTEMS LAYOUT
CERT #119584

EXP 6/1/25

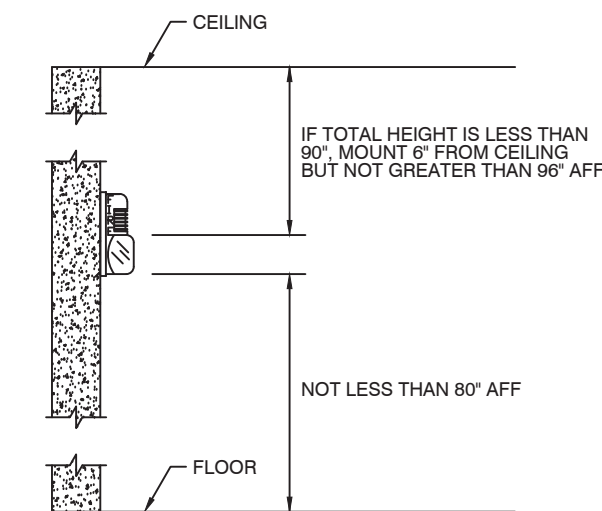
SCALE: 1/8" = 1'-0"

[illegible]



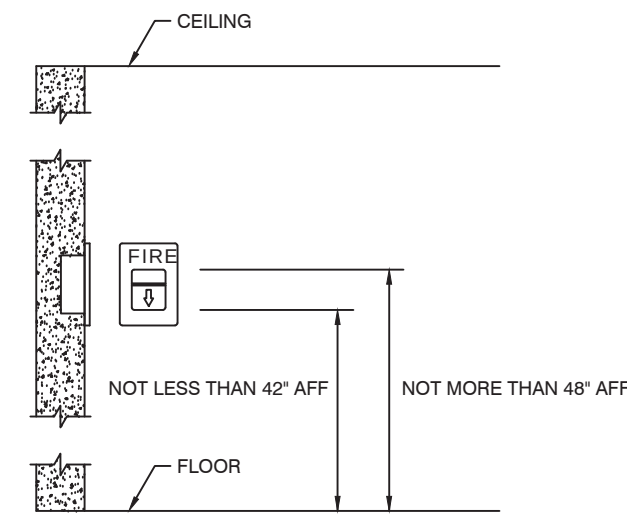
NFPA 72 2013, 16.4.5.1
WALL MOUNTED APPLIANCES SHALL HAVE THEIR TOPS
ABOVE THE FINISHED FLOORS AT HEIGHTS OF NOT LESS
THAN 90\"/>

A FIRE ALARM - HORN MOUNTING



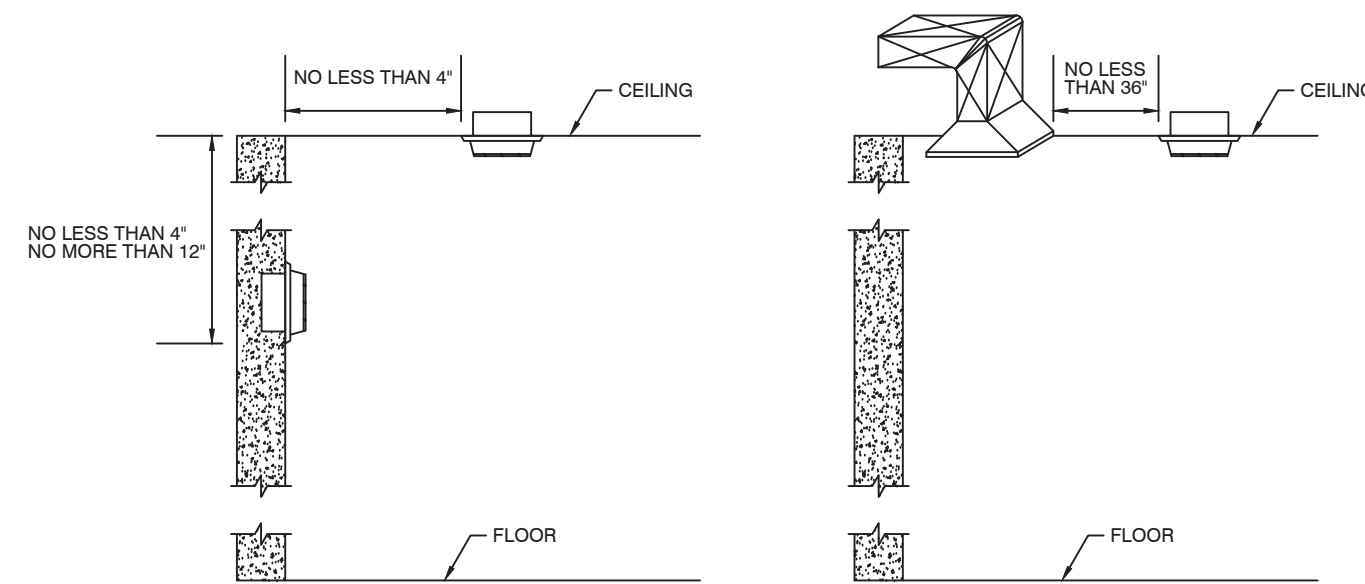
NFPA 72 2013, 16.4.5.1
WALL MOUNTED APPLIANCES SHALL BE MOUNTED
SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 90\"/>

B FIRE ALARM - STROBE MOUNTING



NFPA 72 2013, 17.4.6.2
THE VISIBLE PART OF A MANUALLY ACTIVATED
ALARM INITIATING DEVICE SHALL BE NOT LESS THAN
42\"/>

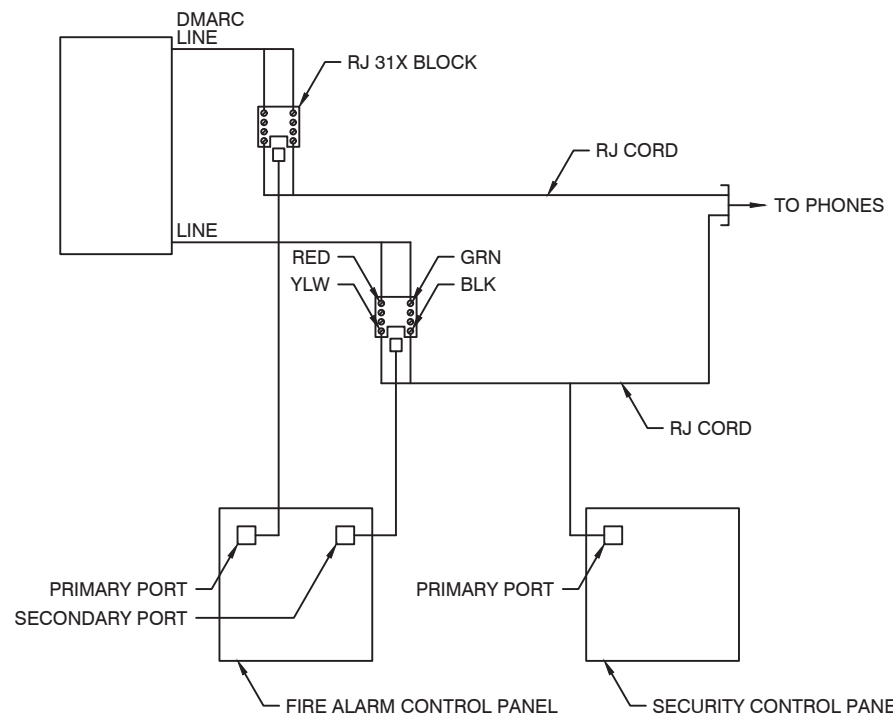
C FIRE ALARM - PULL STATION MOUNTING



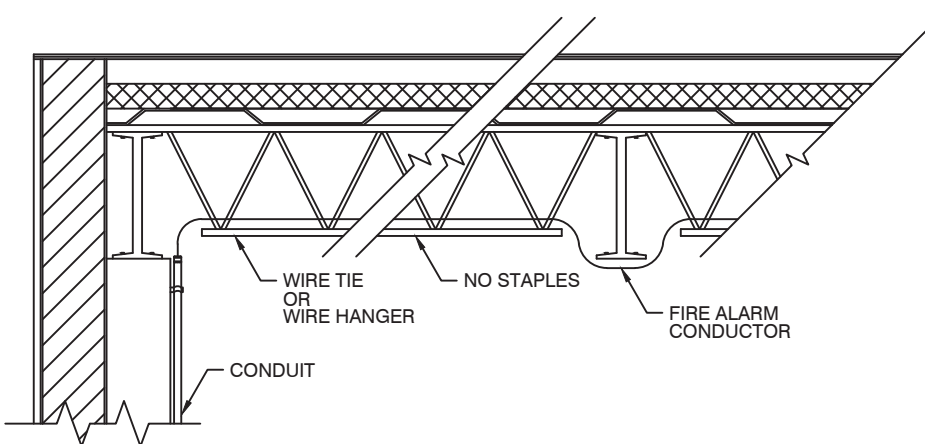
NFPA 72 2013, 17.6.3.1.1
DETECTORS SHALL BE LOCATED ON THE CEILING NOT
LESS THAN 4\"/>

NFPA 72 2013, 17.6.3.1.1
DETECTORS SHALL NOT BE LOCATED IN
DIRECT AIR FLOW OR CLOSER THAN 10\"/>

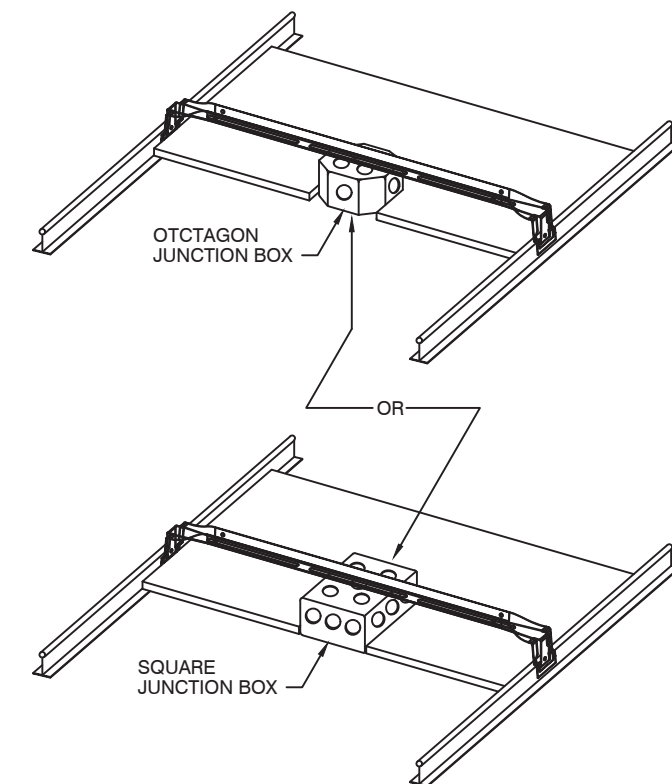
D FIRE ALARM - SMOKE & HEAT MOUNTING



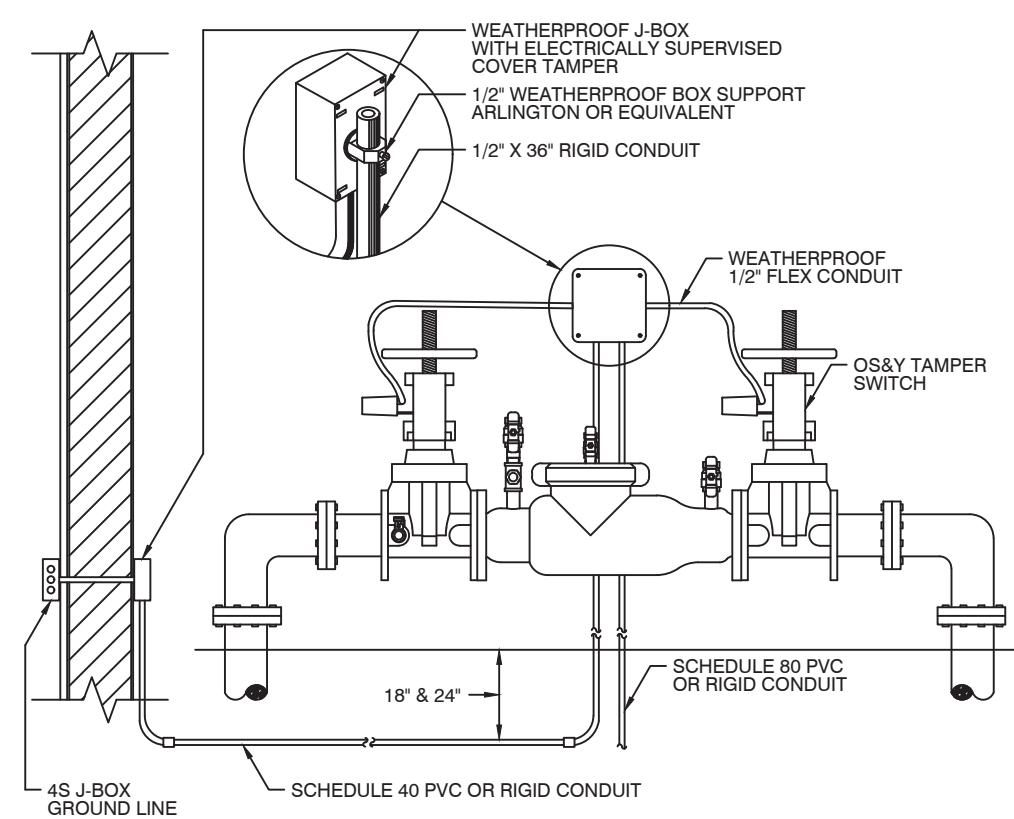
E FIRE ALARM - PHONE CONNECTION



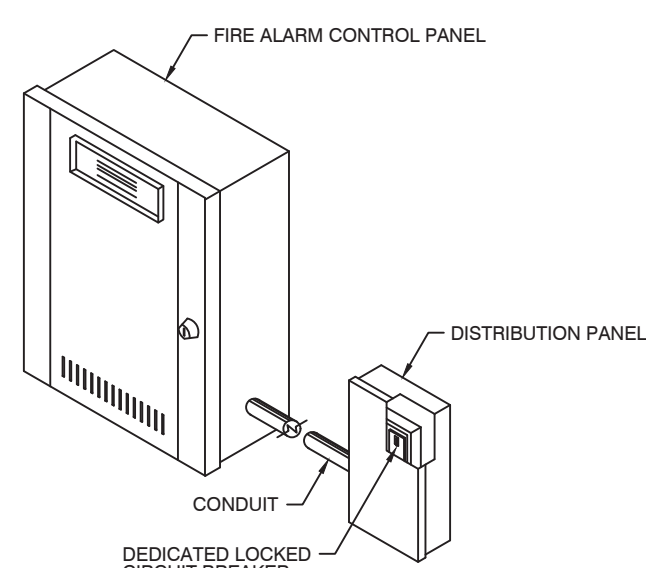
F FIRE ALARM - CEILING TO WALL TRANSITION AND OPEN WIRING



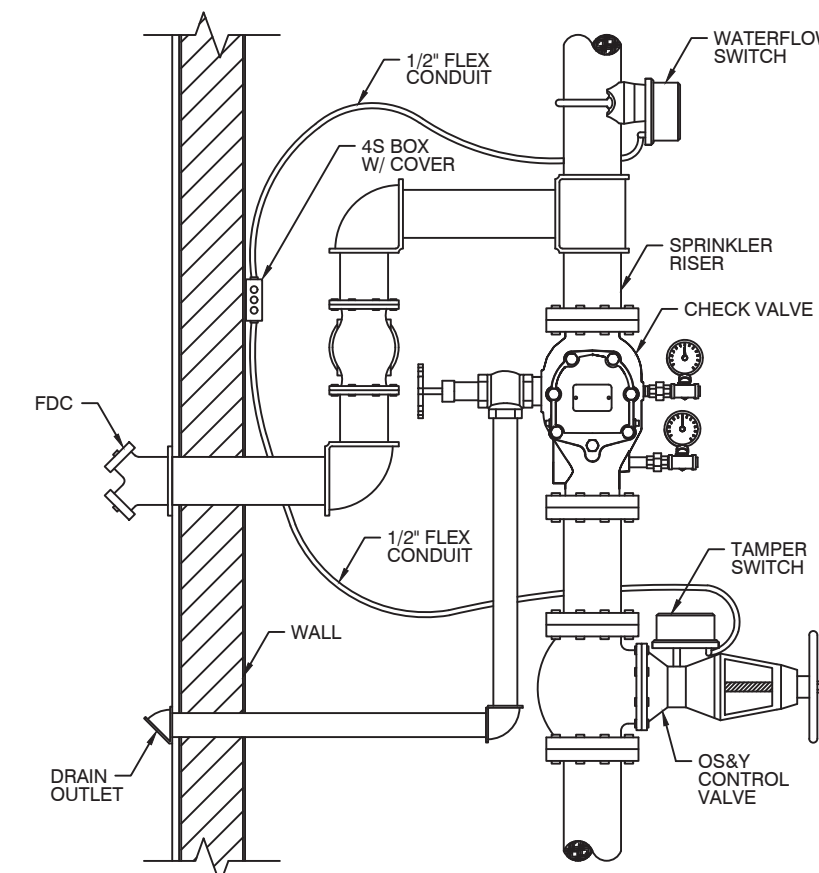
G FIRE ALARM - DROP CEILING & J BOX



H FIRE ALARM - DCVA TAMPER SWITCHES



I FIRE ALARM - POWER DISCONNECT



J FIRE ALARM - OS&Y TAMPER GATE VALVE



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POWER CALCULATIONS

FA801

FACP CALCULATION

FSE-A CALCULATION

FSE-B CALCULATION

FSE-C CALCULATION

FSE-D CALCULATION

