

GENERAL NOTES

1. INSTALLATION SHALL BE ACCOMPLISHED IN STRICT COMPLIANCE WITH NFPA, LOCAL, AND STATE AHJ'S, NEC, AND CONTRACT DRAWINGS.
2. RECORD DRAWINGS ARE REQUIRED AT THE TIME OF AHJ ACCEPTANCE. PATRIOT FIRE PROTECTION, INC. REQUIRES ELECTRICAL RED LINES WITH IN TWO WEEKS PRIOR TO PRIOR AHJ TESTS.
3. AGREEMENT AND CONFIRMATION OF ALL MILESTONE EVENTS WILL BE MADE WITH PATRIOT FIRE PROTECTION, INC. PROJECT MANAGER, ALL FS TECHNOLOGIES FIELD SERVICES MUST BE SCHEDULED WITH PATRIOT FIRE PROTECTION, INC. 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 PATRIOT FIRE PROTECTION, INC. ALARM TECHNICIAN.
5. FIRE ALARM CONTROL PANEL SHALL NOT BE ENERGIZED WITHOUT THE PRESENCE OF A PATRIOT FIRE PROTECTION, INC. ALARM TECHNICIAN.
6. THE FIRE ALARM SYSTEM SHALL BE MONITORED BY UNDERWRITERS LISTED MONITORING STATION BEFORE AHJUS TEST.
7. THE WIRING 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 AS POWER LIMITED FIRE ALARM CABLE.
10. VERIFY ALL LOCATIONS OF DEVICES WITH ELECTRICAL AND ARCHITECTURAL PLANS, SCALE AND PLACE 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 WITH IN 36" OF ANY DIFFUSER
14. WALL MOUNTED AUDIBLE/VISUAL APPLIANCES SHALL BE MOUNTED IN SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE FINISHED FLOOR
15. THE OPERABLE PART OF EACH MANUAL FIRE ALARM BOX SHALL NOT BE LESS THAN 3'-6" AND NOT MORE THAN 4'-0" ABOVE THE FINISHED FLOOR.
16. NO DETECTORS 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 BASIS.
17. 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.
18. 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 PATRIOT FIRE PROTECTION, INC. ALARM TECHNICIAN UPON ARRIVAL ONSITE FOR STARTUP AND CHECKOUT.
19. 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 FIRE ALARM CONTROL PANEL.

SCOPE OF WORK

- ADD SPOT-TYPE SMOKE DETECTORS TO SUITE 103
- REMOVE BEAM-TYPE SMOKE DETECTORS IN SUITE 103
- ADD SLC LOOP EXPANDER TO BUILDING SYSTEM.

SYSTEM DESIGN CODES

INTERNATIONAL BUILDING CODE (IBC 2015 EDITION)ADA INTERNATIONAL CODE ANSI E 117.1

INTERNATIONAL FIRE CODE (IFC 2020 EDITION)NATIONAL FIRE ALARM AND SIGNALING CODE (NFPA 72 2016 EDITION)

NATIONAL ELECTRICAL CODE (NFPA 70 2020 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 HAZARD (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)

AUTOMATIC SPRINKLER PROTECTION

- ☐ NO
- ☐ PARTIAL
- ☒ FULL

| FIRE ALARM LEGEND |          |        |                             |                            |
|-------------------|----------|--------|-----------------------------|----------------------------|
| NEW               | EXISTING | SYMBOL | DESCRIPTION                 | MOUNTING                   |
|                   | 1        | [FACP] | FIRE ALARM CONTROL PANEL    | SILENT KNIGHT 5820XL       |
|                   | 1        | [AES]  | RADIO COMMUNICATOR          | AES 7788                   |
| 1                 | 1        | [SLC]  | SLC LOOP EXPANDER           | SILENT KNIGHT 5815XL       |
|                   |          | [PS]   | POWER SUPPLY                |                            |
|                   |          | [ANN]  | ANNUNCIATOR                 |                            |
|                   |          | [SDT]  | DUCT SMOKE DETECTOR         |                            |
|                   |          | [OHS]  | OUTDOOR HORN STROBE         |                            |
|                   |          | [WHS]  | WALL MOUNTED HORN STROBE    |                            |
|                   |          | [WST]  | WALL MOUNTED STROBE         |                            |
|                   |          | [WH]   | WALL MOUNTED HORN           |                            |
|                   |          | [CHS]  | CEILING MOUNTED HORN STROBE |                            |
|                   |          | [CHST] | CEILING MOUNTED STROBE      |                            |
| 137               |          | [SDT]  | SMOKE DETECTOR              | SILENT KNIGHT SD 505-PHOTO |
|                   |          | [F]    | MANUAL PULL STATION         | 4" SQ DEEP                 |
|                   |          | [IM2]  | DUAL INPUT MONITOR MODULE   |                            |
|                   |          | [IM]   | SINGLE INPUT MONITOR MODULE |                            |
|                   |          | [WF]   | WATERFLOW SWITCH            |                            |
|                   |          | [TS]   | TAMPER SWITCH               |                            |
|                   |          | [FPR]  | FIRE PUMP RUN               |                            |
|                   |          | [OSV]  | OS&Y VALVE TAMPER           |                            |
|                   |          | [PVT]  | P/V TAMPER                  |                            |
|                   |          | [FSR]  | FIRE SPRINKLER RISER        |                            |
|                   |          | [BFP]  | BACKFLOW PREVENTER          |                            |
|                   |          | [EB]   | ELECTRIC BELL               |                            |
|                   |          | [HD]   | HEAT DETECTOR               |                            |
|                   |          | [JB]   | JUNCTION BOX                |                            |

| WIRE LEGEND |     |      |       |
|-------------|-----|------|-------|
| ID          | AWG | COND | CLASS |
| A           | 14  | 2    | FPLR  |

DRAWING ACCEPTANCE

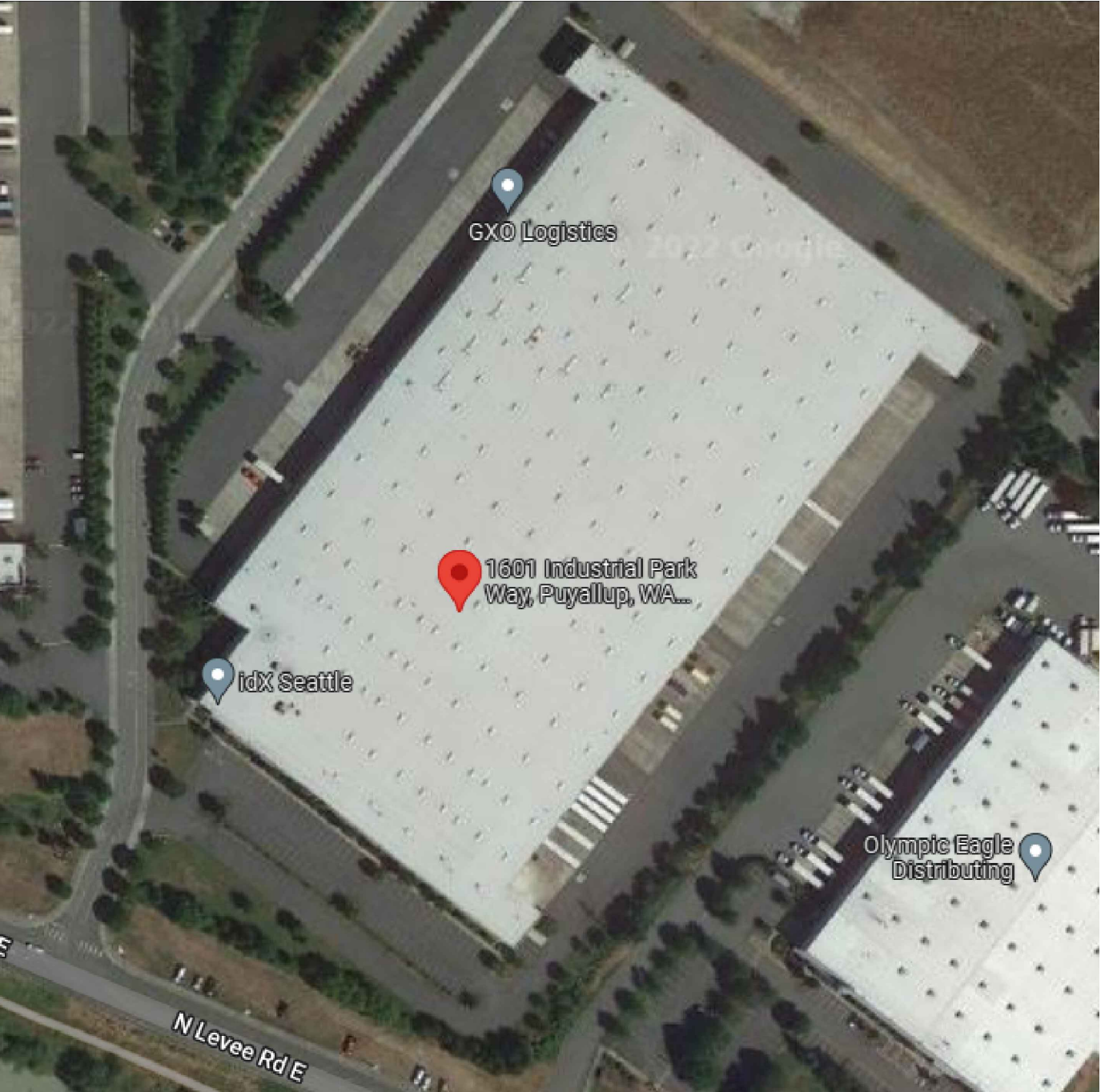
THIS DRAWING IS TO BE USED FOR THE PURPOSE OF PLACING AND LOCATING PATRIOT FIRE PROTECTION, INC. FIRE ALARM DEVICES AND IS NOT TO BE USED FOR ANY OTHER PURPOSES.

INSTALLATION COMPANY

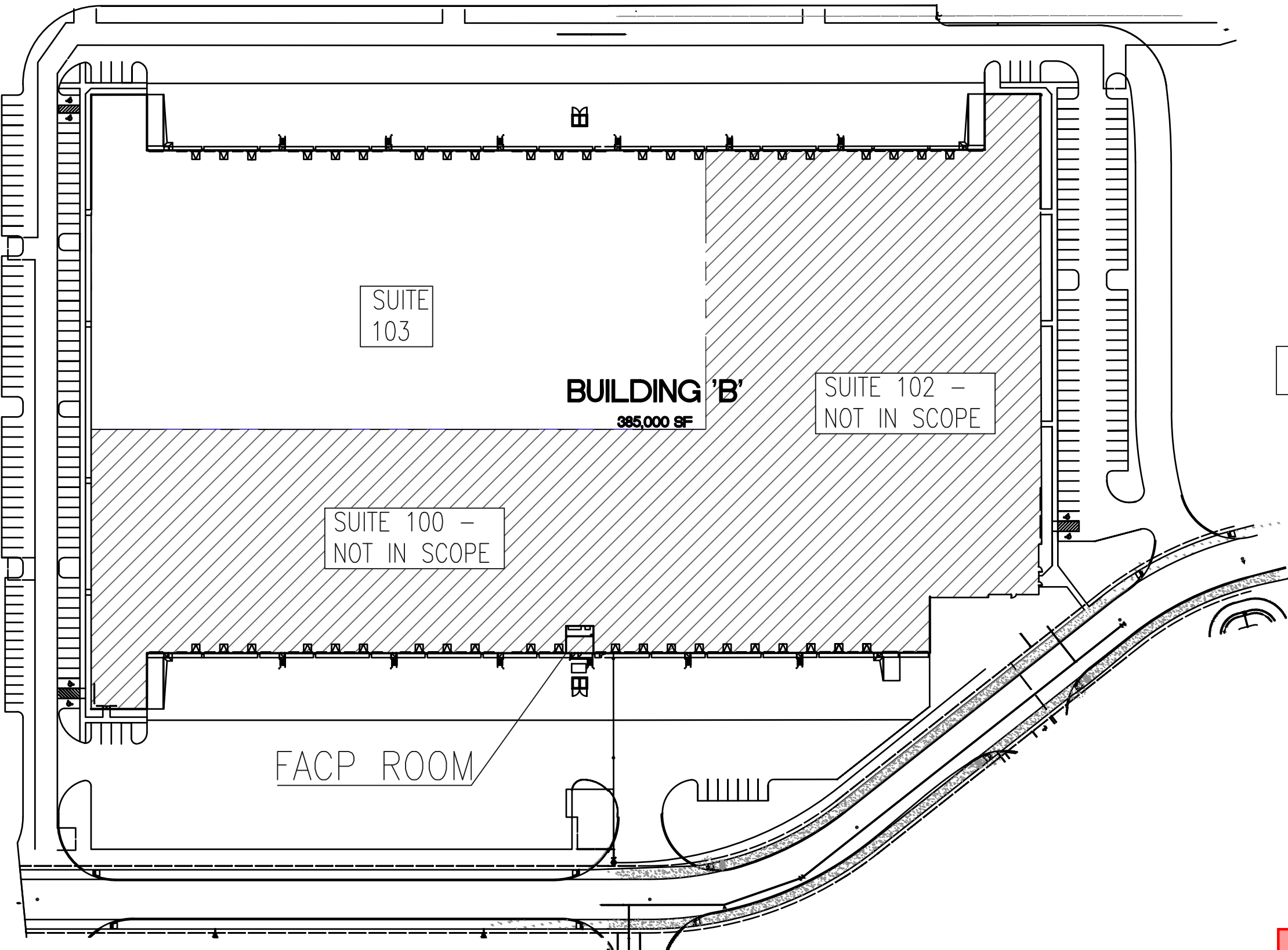
PATRIOT FIRE PROTECTION, INC.  
2707 70TH AVE E, TACOMA, WA 98424

MONITORING COMPANY

SECURITAS  
4500 3RD AVE SE, LACEY, WA 98503



VICINITY MAP  
NOT TO SCALE



BUILDING FLOOR PLAN  
NOT TO SCALE



City of Puyallup  
Fire  
REVIEWED  
FOR  
COMPLIANCE

DDrake  
09/29/2022  
2:44:06 PM



City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT

Building

Planning

Engineering

Public Works

Fire

Traffic

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.

SHEET INDEX

DESCRIPTION

REV

SHEET

GENERAL SHEET

FLOOR PLAN AND CALCULATIONS

ENLARGED LAYOUT

PRODUCT TYPICALS

FA001

FA101

FA102

FA103

STATE CERTIFICATION



J. Twilank

-ADD SPOT-TYPE SMOKE DETECTORS TO SUITE 103  
-REMOVE BEAM-TYPE SMOKE DETECTORS IN SUITE 103  
-ADD SLC LOOP EXPANDER TO BUILDING SYSTEM.

REVISIONS

| NO | DATE | BY | DESCRIPTION |
|----|------|----|-------------|
|    |      |    |             |
|    |      |    |             |
|    |      |    |             |
|    |      |    |             |

CONTRACT WITH:

PROJECT NAME:  
PUYALLUP 1  
1601 INDUSTRIAL PARK WAY  
SUITE 103  
PUYALLUP, WA 98371



PATRIOT  
FIRE PROTECTION, INC.

2707 70TH AVENUE EAST  
TACOMA, WA 98424

PATRIFP099CF  
WWW.PATRIOTFIRE.COM  
Stevyn.Stuart@patriotfire.com

TEL: (253) 926-2290  
FAX: (253) 922-6150

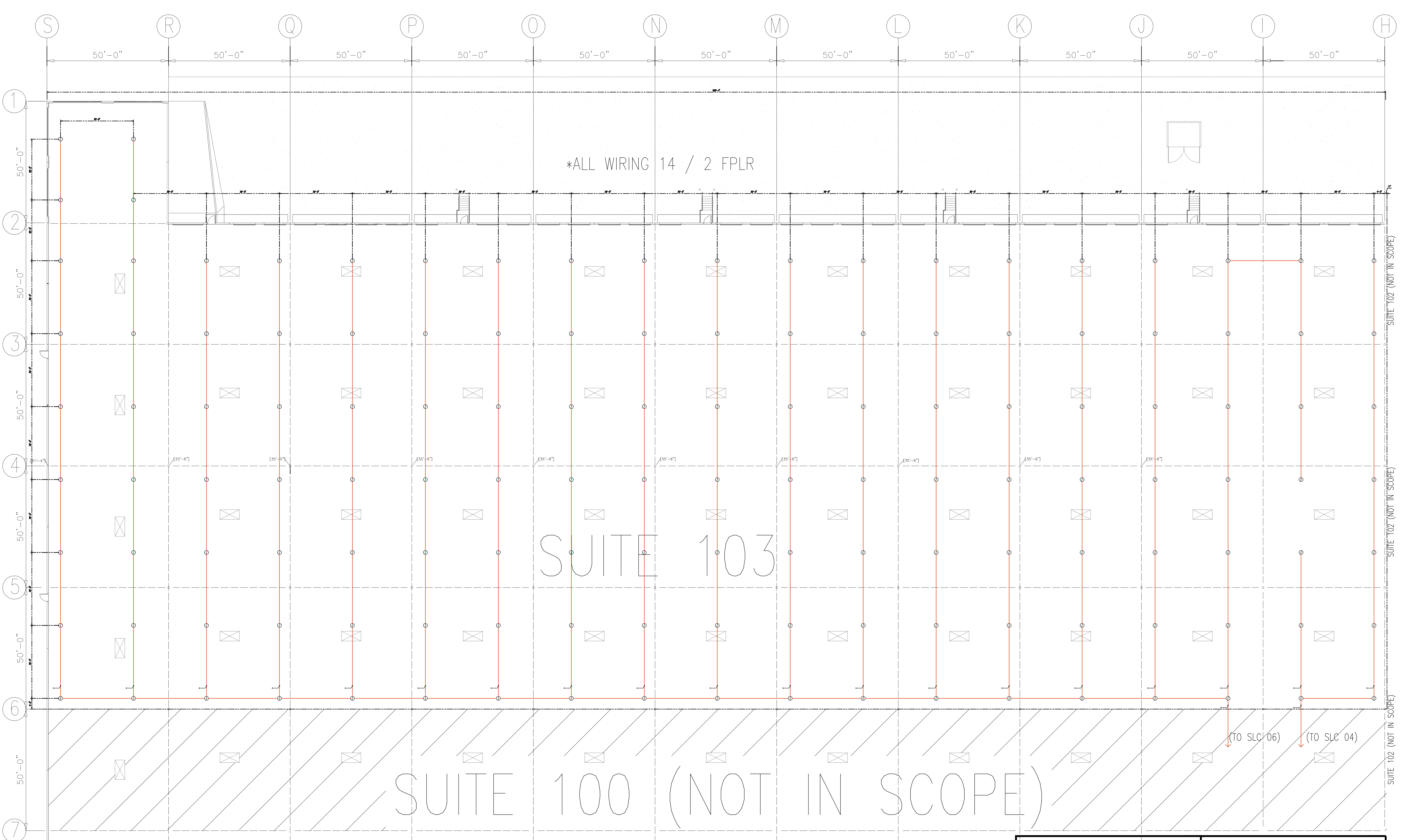
|          |           |        |  |
|----------|-----------|--------|--|
| DESIGNER | STEYVN S  | SHEET  |  |
| DATE     | 9/12/2022 | 1 OF 4 |  |
| JOB NO.  | 16-2488   |        |  |

FA-001









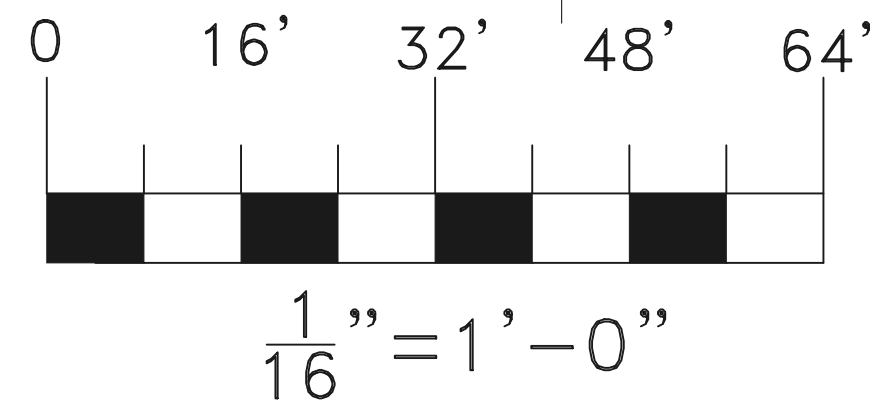
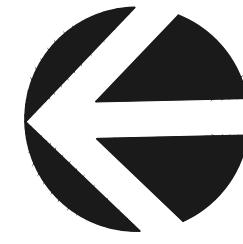
City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT

|             |              |
|-------------|--------------|
| Building    | Planning     |
| Engineering | Public Works |
| Fire        | Traffic      |



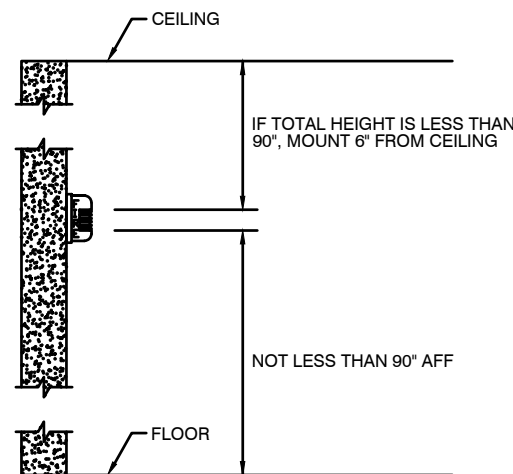
LAYOUT PLAN

$\frac{1}{16}'' = 1'-0''$



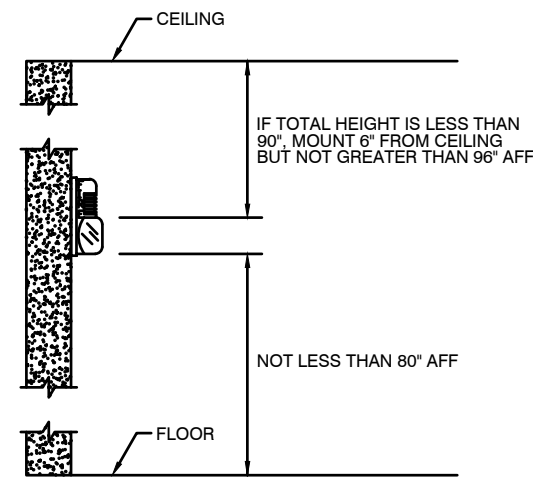
|                                                                                           |  |                                           |  |                                                                      |  |
|-------------------------------------------------------------------------------------------|--|-------------------------------------------|--|----------------------------------------------------------------------|--|
| CONTRACT WITH:                                                                            |  | <b>PATRIOT</b><br>FIRE PROTECTION, INC.   |  | PATRIFF099CF<br>WWW.PATRIOTFIRE.COM<br>Stevyn.Stuart@patriotfire.com |  |
| PROJECT NAME:<br>PUYALLUP 1<br>SUITE 103 - 1601 INDUSTRIAL PARK WAY<br>PUYALLUP, WA 98371 |  | DESIGNER<br>STUART<br>DATE<br>9/12/2022   |  | SHEET<br>3 OF 4                                                      |  |
| JOB NO.<br>16-2488                                                                        |  | 2707 70TH AVENUE EAST<br>TACOMA, WA 98424 |  | TEL: (253) 928-2290<br>FAX: (253) 922-6150                           |  |
|                                                                                           |  |                                           |  | <b>FA-102</b>                                                        |  |





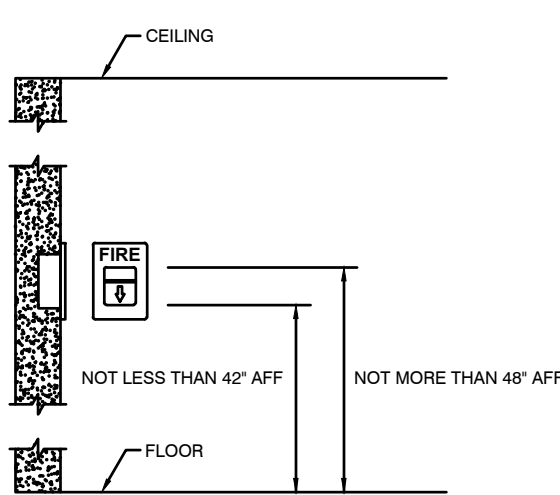
NFPA 72 2013, 18.4.8.1  
WALL MOUNTED APPLIANCES SHALL HAVE THEIR TOPS ABOVE THE FINISHED FLOORS AT HEIGHTS OF NOT LESS THAN 90" AND BELOW THE FINISHED CEILINGS AT DISTANCES OF NOT LESS THAN 6".

## A FIRE ALARM - HORN MOUNTING



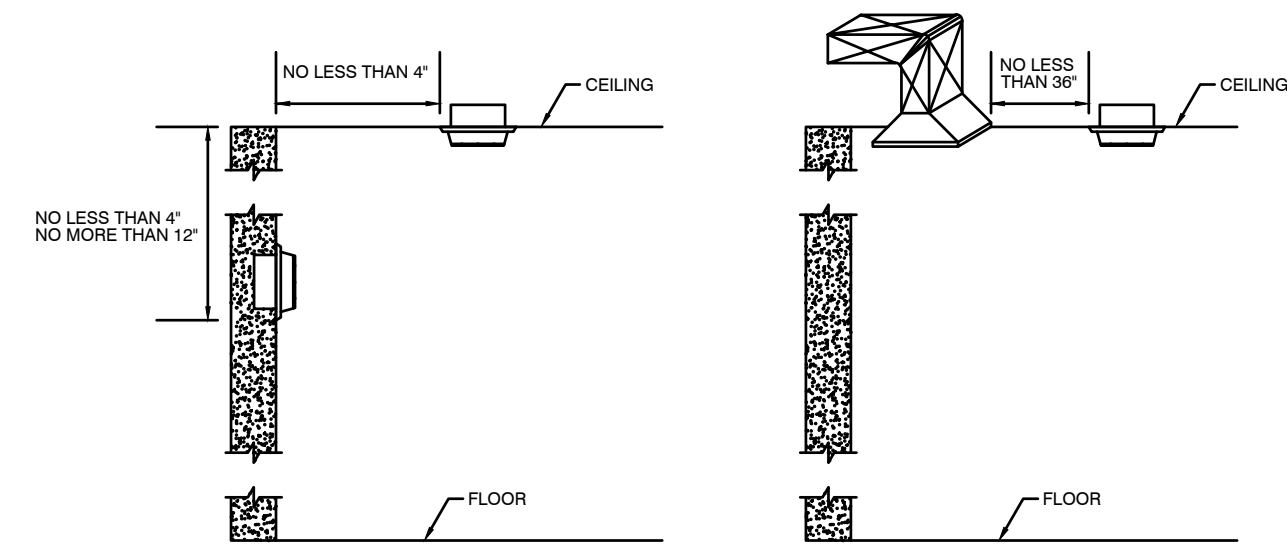
NFPA 72 2013, 18.5.5.1  
WALL MOUNTED APPLIANCES SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 90" AND NOT GREATER THAN 90" ABOVE THE FINISHED FLOOR.

## B FIRE ALARM - STROBE MOUNTING



NFPA 72 2013, 11.14.5  
THE OPERABLE PART OF A MANUALLY ACTUATED ALARM INITIATING DEVICE SHALL BE NOT LESS THE 42" AND NOT MORE THAN 48" FROM THE FINISHED FLOOR.

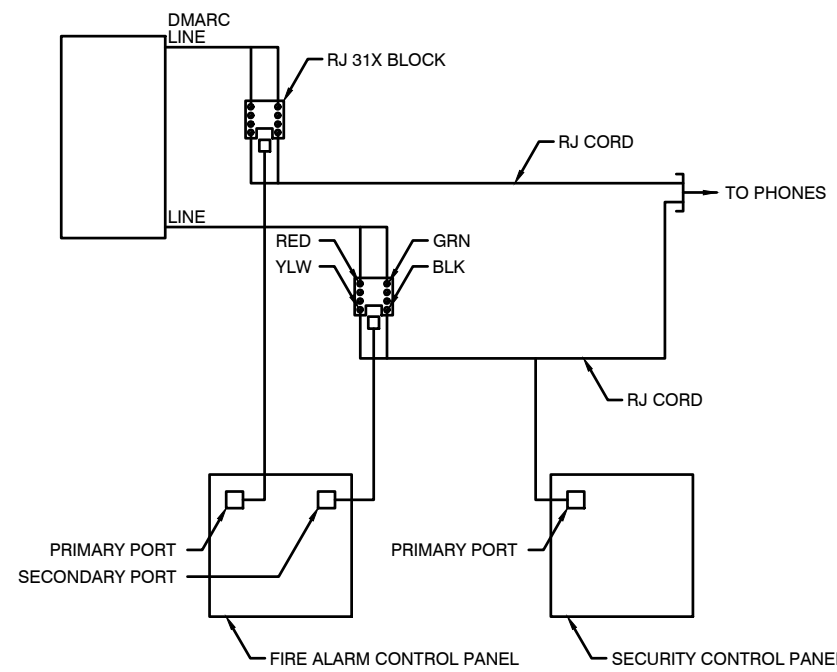
## C FIRE ALARM - PULL STATION MOUNTING



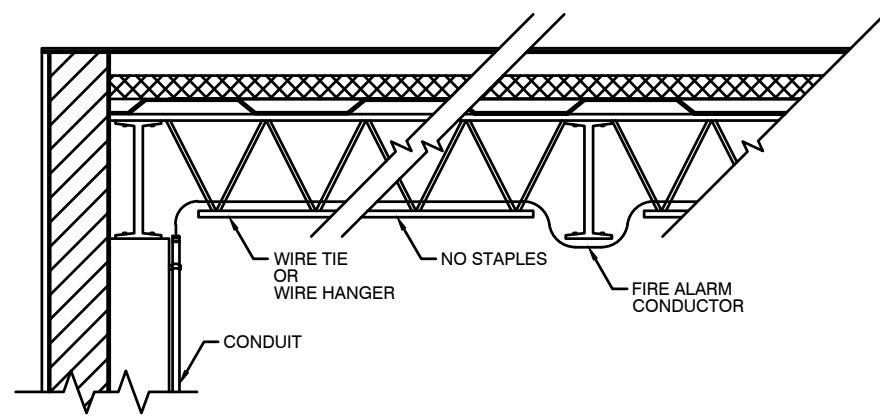
NFPA 72 2013, 17.6.3.1.3.1  
DETECTORS SHALL BE LOCATED ON THE CEILING NOT LESS THAN 4" FROM THE SIDEWALL OR ON THE SIDEWALLS BETWEEN 4" AND 12" FROM THE CEILING.

NFPA 72 2013, 4.17.7.4.1  
DETECTORS SHALL NOT BE LOCATED IN DIRECT AIR FLOW OR CLOSER THAN 28" FROM AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING.

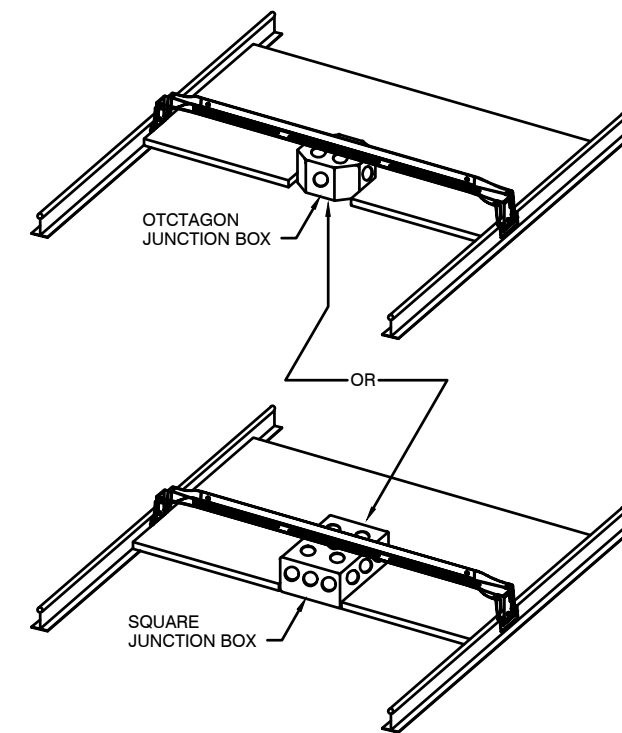
## D FIRE ALARM - SMOKE & HEAT MOUNTING



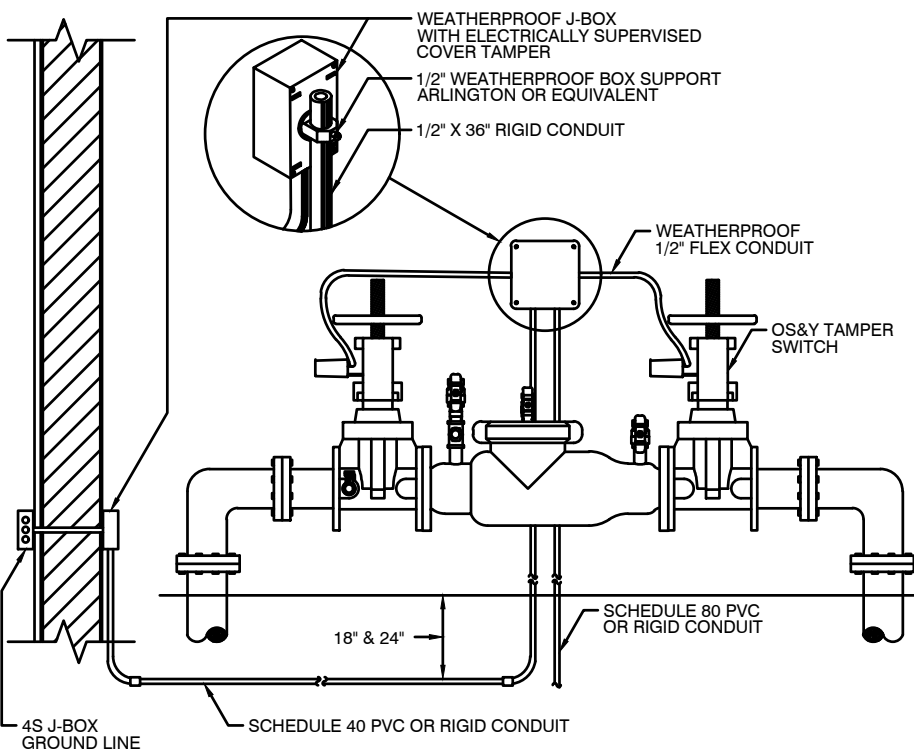
## E FIRE ALARM - PHONE CONNECTION



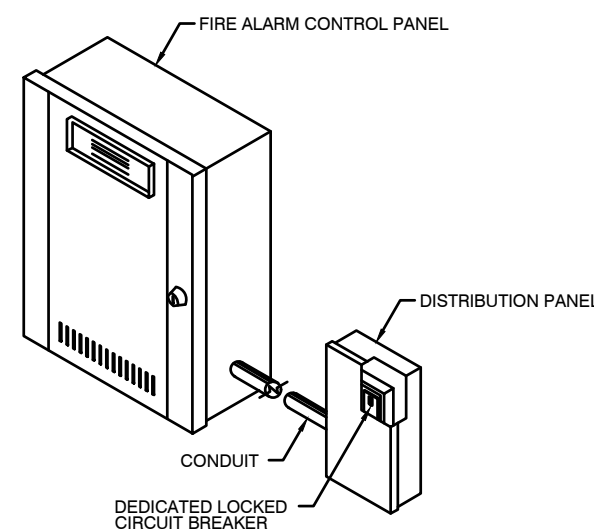
## F FIRE ALARM - CEILING TO WALL TRANSITION AND OPEN WIRING



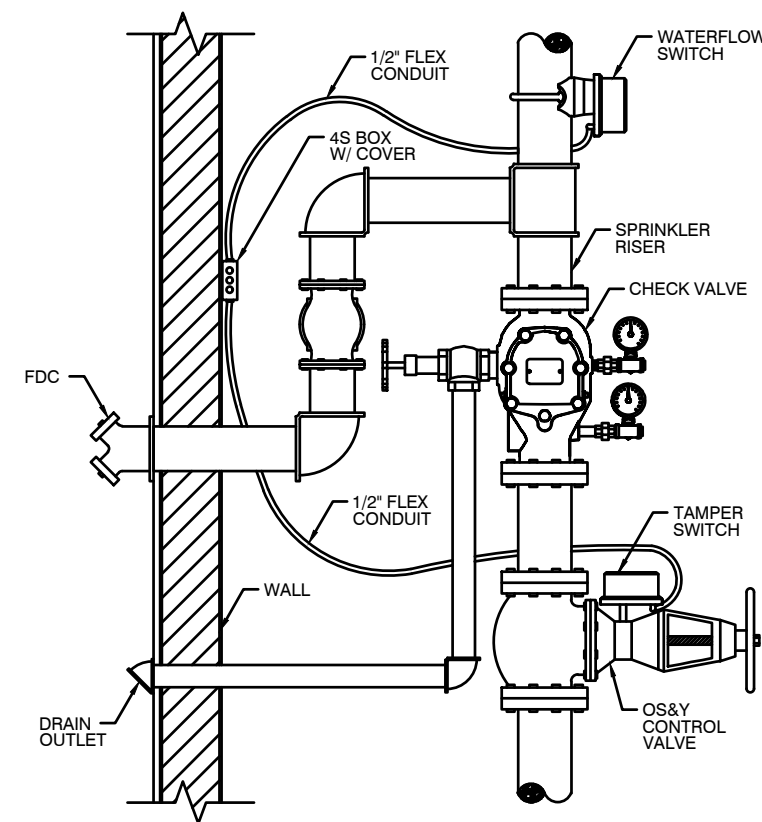
## G FIRE ALARM - DROP CEILING & J BOX



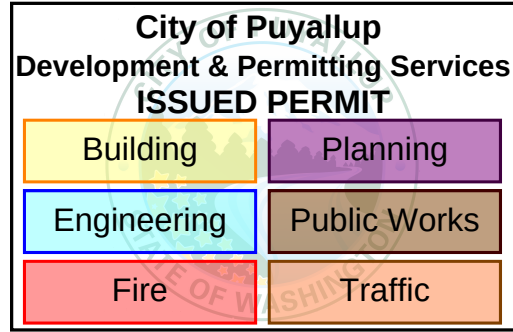
## H FIRE ALARM - DCVA TAMPER SWITCHES



## I FIRE ALARM - POWER DISCONNECT



## J FIRE ALARM - OS&Y TAMPER GATE VALVE



| SHEET INDEX | DESCRIPTION                 |       |       |       |  |  |  |  |  |  |
|-------------|-----------------------------|-------|-------|-------|--|--|--|--|--|--|
|             | GENERAL SHEET               |       |       |       |  |  |  |  |  |  |
|             | FLOOR PLAN AND CALCULATIONS |       |       |       |  |  |  |  |  |  |
|             | ENLARGED LAYOUT             |       |       |       |  |  |  |  |  |  |
| REV         | PRODUCT TYPICALS            |       |       |       |  |  |  |  |  |  |
|             |                             |       |       |       |  |  |  |  |  |  |
|             |                             |       |       |       |  |  |  |  |  |  |
|             |                             |       |       |       |  |  |  |  |  |  |
| SHEET       | FA001                       | FA101 | FA102 | FA103 |  |  |  |  |  |  |

STATE CERTIFICATION



-ADD SPOT-TYPE SMOKE DETECTORS TO SUITE 103  
-REMOVE BEAM-TYPE SMOKE DETECTORS IN SUITE 103  
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REVISIONS

| NO | DATE | BY | DESCRIPTION |
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| DESIGNER | STEYVN S  | SHEET  |        |
|----------|-----------|--------|--------|
| DATE     | 9/12/2022 |        |        |
| JOB NO.  | 16-2488   | 4 OF 4 | FA-103 |