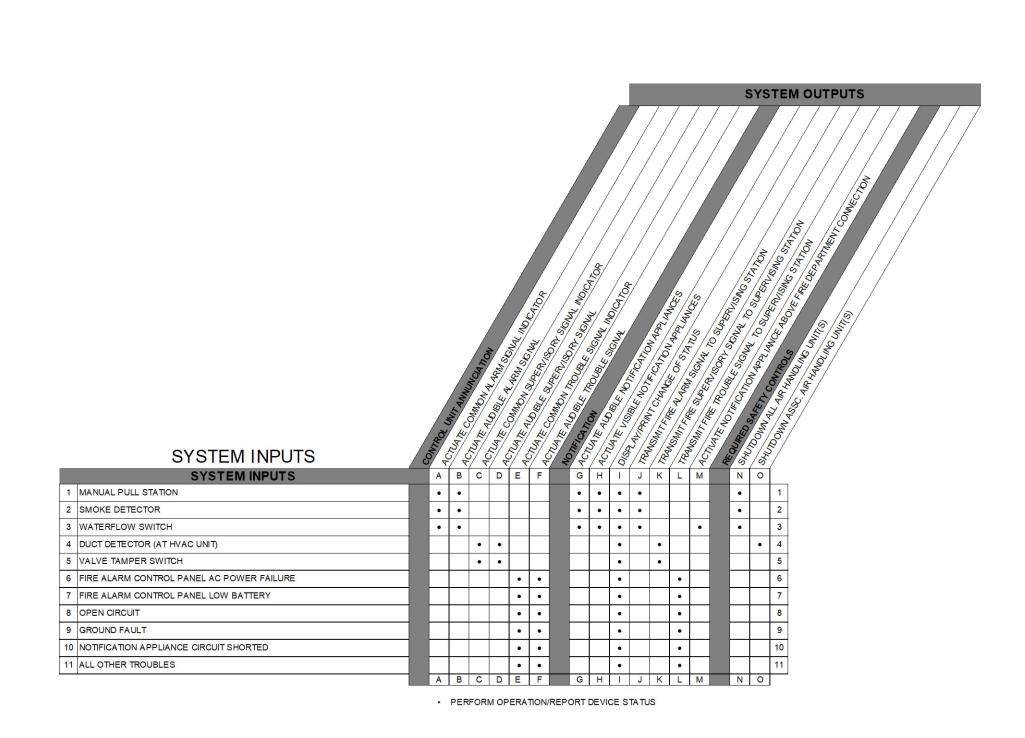
## STREETS OF WEST PRYOR

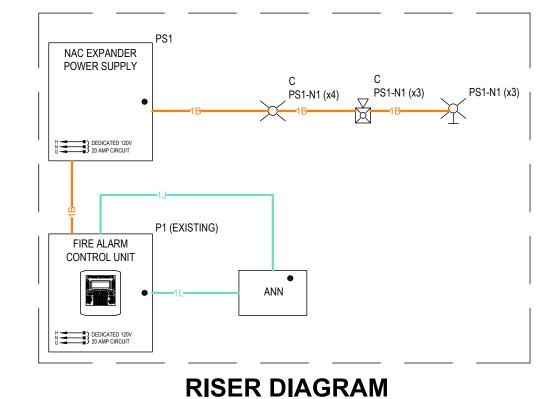
## 1020 NORTHWEST PRYOR ROAD LEE'S SUMMIT, MO 64081

Fire Alarm System Drawings

DEVICE LEGEND							
SYMBOL	QUANTITY	MANUFACTURER	PART NO	DESCRIPTION	MOUNTING		
NAC	1	HONEYWELL	HPF-PS10B	10.0 A, 120 VAC REMOTE CHARGER POWER SUPPLY IN A LOCKABLE, BLACK METAL ENCLOSURE	SELF-CONTAINED IN LOCKABLE CABINET (20.0"H X 14.5"W X 3.5"D) 120VAC CIRCUIT IS REQUIRED.		
FAA	1	NOTIFIER	N-ANN-80	BLACK 80 CHARACTER LCD ANNUNCIATOR	SEMI-FLUSH MOUNT TO SINGLE, DOUBLE, OR 4" SQUARE ELECTRICAL BOX. USE ANN-SB80KIT FOR ANGLED VIEW MOUNTING.		
⊠c	3	SYSTEM SENSOR	PC2RLED	2-WIRE, HORN STROBE, CEILING, RED	4" SQUARE BOX 1-1/2" DEEP. OR SURFACE MOUNT TO SBBCRL OR SBBCWL.		
×c	4	SYSTEM SENSOR	SCRLED	STROBE, CEILING, RED	4" SQUARE BOX 1-1/2" DEEP. OR SURFACE MOUNT TO SBBCRL OR SBBCWL.		
X	3	SYSTEM SENSOR	SRLED	STROBE, WALL, RED	4" SQUARE BOX 1-1/2" DEEP. OR SURFACE MOUNT TO SBBRL OR SBBWL.		

CABLE AND WIRE LEGEND							
LABEL	RESISTANCE MFT	AWG	DESCRIPTION				
В	3.070	14	14 AWG, 1 PAIR, SOLID, OVERALL JACKET (NAC - SIGNAL/STROBE)				
J	7.770	18	18 AWG, 1 PAIR, SOLID, TWISTED, SHIELDED (DATA - ANNUCIATOR OTHER THAN SLC)				
L	3.070	14	14 AWG, 1 PAIR, SOLID, OVERALL JACKET (ANNUCIATOR POWER)				





SHEET LEGEND						
SHEET NUMBER	SHEET REFERENCE NUMBER	DESCRIPTION				
1	FA001	COVER SHEET, LEGEND, SEQUENCE OF OPERATIONS, RISER DIAGRAM & FIRE ALARM PLAN				
2	FA002	CALCULATIONS AND CONNECTION DETAILS				

INSTALLING CONTRACTOR WILL NEED TO PROVIDE ACCURATE AS-BUILT INFORMATION TO TECH ELECTRONICS. THIS SHALL INCLUDE ALL WIRING TYPE AND ROUTING INFORMATION FOR ALL

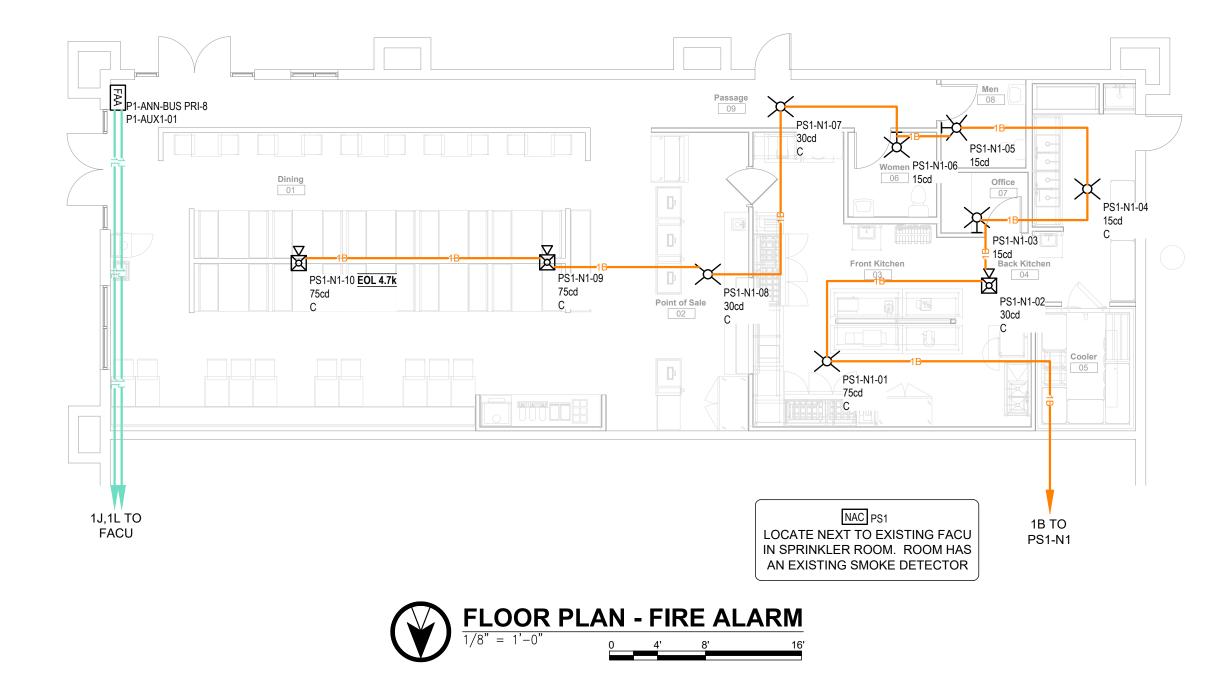
ALL 120VAC POWER SHALL BE NOTED WITH THE CIRCUIT BREAKER NUMBER, SIZE OF BREAKER AND THE LOCATION OF THE CIRCUIT BREAKER PANEL. THE CIRCUIT BREAKER MUST BE LOCKED ALL ABOVE INFORMATION IS REQUIRED BY AND SHALL BE PROVIDED PER NFPA 72. SEE CURRENTLY ENFORCED ORDINANCE IF NECESSARY

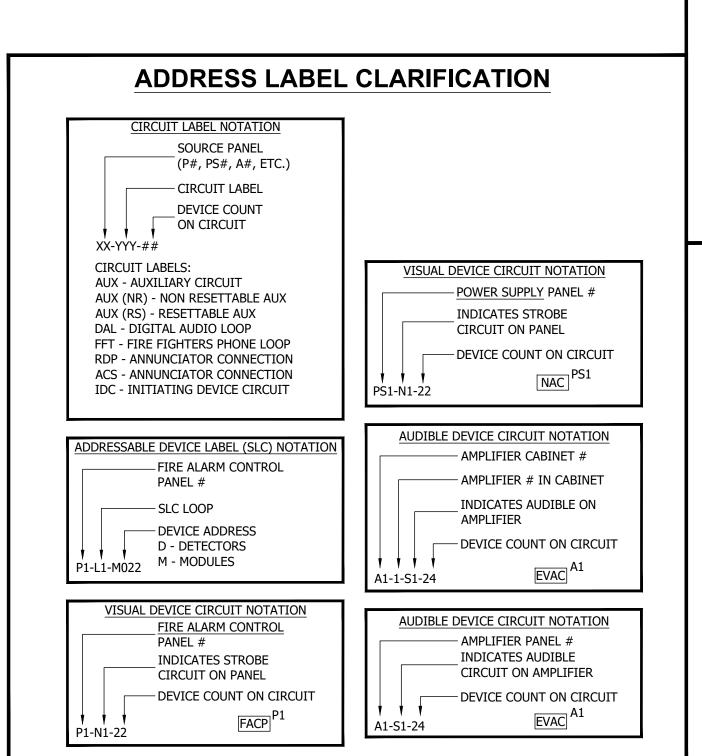
Per NFPA sampling tubes over 3 feet long should be

SAMPLING TUBE ENDCAP

air inlet sampling tube are lined up and facing into the airflow.

supported at the end opposite of the duct detector. In ducts wider than 8 feet, work must be performed inside the duct to couple the other section of the sampling tube to the section already installed using the ½ inch conduit fitting supplied. Make sure that the holes on both sections of the





## **ABBREVIATIONS**

AHJ - AUTHORITY HAVING JURISDICTION FSD- FIRE/SMOKE DAMPER DD - DUCT DETECTOR DH - DOOR HOLDER DUA- DWELLING UNIT ALARM E- PSD/HD W/ ELEV INTERFACE ELEV1- PRIMARY ELEVATOR RECALL

RD- RETURN DUCT ELEV2- ALTERNATE ELEVATOR RECALL **RL- RELOCATE** EST- ELEVATOR SHUNT TRIP RTU- ROOF TOP UNIT **EXG - EXISTING** SD- SUPPLY DUCT TS - TAMPER SWITCH FH- ELEVATOR FIREHAT FL - FIELD LOCATE VL - VERIFY LOCATION FM- FLUSH MOUNT WF - WATERFLOW FGS- FIRE PLACE GAS SHUTOFF WP- WEATHER PROOF

KB- KNOX BOX

KH- KITCHEN HOOD

NT- NAC TRIGGER

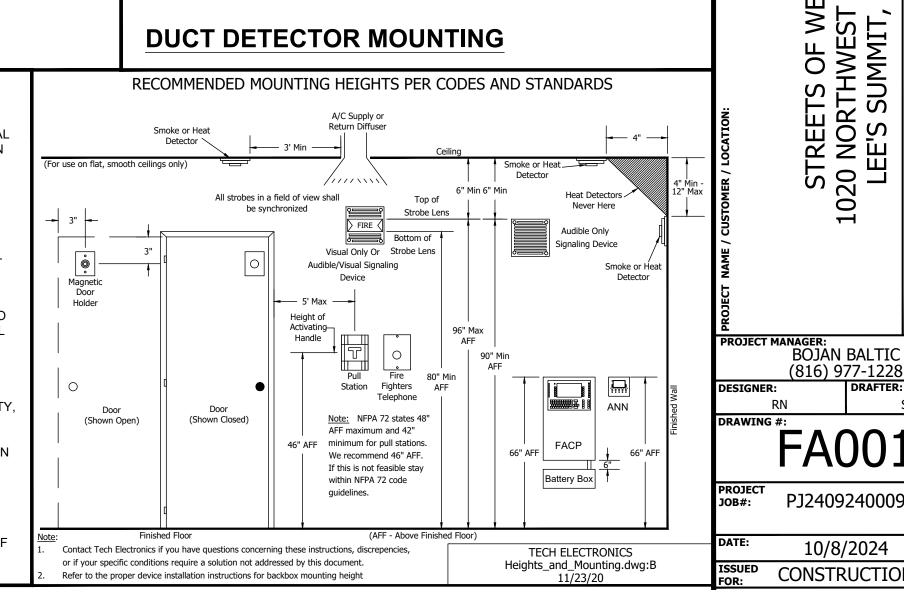
PIV- SPRINKLER POST INITIATOR VALVE

## **GENERAL INSTALLATION NOTES:**

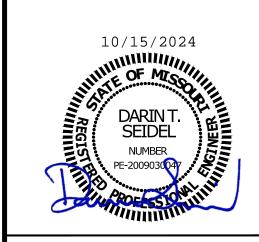
- . INSTALLATION MUST COMPLY WITH ALL APPLICABLE FEDERAL, STATE, OR LOCAL LAWS, REGULATIONS, CODES, AND SPECIFICATIONS. THIS SYSTEM SHALL BE IN STRICT CONFORMANCE WITH THESE DRAWINGS; 2018 IBC; NFPA 72 2016 EDITION; NFPA 70, 2017 EDITION; AND AHJ.
- 2. WHERE CONDUCTORS ARE RUN IN CONDUIT, USE ONLY APPROVED CABLE WITHIN RACEWAYS, PIPES OR CONDUITS. ALL SHIELDED WIRE MUST BE CONTINUOUS THROUGHOUT CIRCUIT, ALL SHIELDS SHALL BE ISOLATED FROM GROUND, ALL SHIELDS SHALL TERMINATE AT THE FIRE ALARM CONTROL PANEL
- PER NFPA 72 2016, 17.7.1.11 WHERE DETECTORS ARE INSTALLED FOR SIGNAL INITIATION DURING CONSTRUCTION, THEY SHALL BE CLEANED AND VERIFIED TO BE OPERATING IN ACCORDANCE WITH THE LISTED SENSITIVITY, OR THEY SHALL BE REPLACED PRIOR TO THE FINAL COMMISSIONING OF THE SYSTEM. WHERE DETECTORS ARE INSTALLED BUT NOT OPERATIONAL DURING CONSTRUCTION, THEY SHALL BE PROTECTED FROM CONSTRUCTION DEBRIS, DUST, DIRT, AND AND VERIFIED TO BE OPERATING IN ACCORDANCE WITH THE LISTED SENSITIVITY. OR THEY SHALL BE REPLACED PRIOR TO THE FINAL COMMISSIONING OF THE SYSTEM. WHERE DETECTION IS NOT REQUIRED DURING CONSTRUCTION, DETECTORS SHALL NOT BE INSTALLED UNTIL AFTER ALL OTHER CONSTRUCTION
- 4. ALL FIRE ALARM SYSTEM WIRING SHALL BE CLEAR FROM SHORTS, OPENS AND

TRADES HAVE COMPLETED CLEANUP.

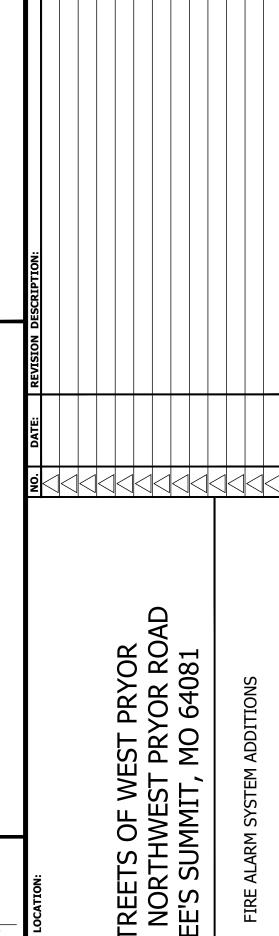
5. NOTIFICATION CIRCUIT WIRE RUNS ARE CRITICAL. ANY INCREASE IN LENGTH OF WIRE MAY AFFECT CIRCUIT CONFIGURATIONS.



t. Louis, Missouri | Columbia, Missouri | Springfield, Missou icago, Illinois| Bloomington, Illinois | Indianapolis, Indiana Denver, Colorado | Topeka, Kansas | Kansas City www.techelectronics.com 1.800.TECH.789







(816) 977-1228

PJ2409240009

10/8/2024

CONSTRUCTION