INSTALLATION NOTES:

1) PRIOR TO CALLING FOR INSPECTION. THE INSTALLER SHALL PROVIDE DOCUMENTATION TO THE LOCAL AHJ STATING THAT THE SYSTEM HAS BEEN INSTALLED, TESTED, EVALUATED AND CONFIRMED TO BE IN ACCORDANCE WITH ALL GOVERNING CODES AND THE APPROVED PLANS. THE FIRE ALARM INSTALLER SYSTEM INSTALLER SHALL COMPLETE AN NFPA 72 RECORD OF COMPLETION (NFPA 72 10.18.2.1). THE RECORD OF COMPLETION SHALL BE PROVIDED TO THE AHJ INSPECTOR AT THE TIME OF THE INSPECTION (NFPA 72 10.18.2.1.2.4).

2) INSTRUCTIONS FOR OPERATING, TESTING, AND MAINTENANCE OF THE SYSTEM ALONG WITH RECORD DRAWINGS OTHERWISE REFERRED TO "AS-BUILTS" AND EQUIPMENT SPECIFICATIONS SHALL BE PROVIDED AT AN APPROVED LOCATION.

3) ALL SYSTEMS AND DEVICES SHALL BE INSTALLED AND TESTED PER THE MANUFACTURE'S LISTING AND THE AUTHORITY HAVE JURISDICTION (NFPA 72 10.14.2.1). LABEL ALL DEVICE LOCATIONS.

4) FACP AND ALL REMOTE POWER SUPPLIES REQUIRE A DEDICATED 120VAV - 20AMP CIRCUIT. A NOTICE PLACED IN THE FACP SHALL DIRECT PERSONNEL TO THE LOCATION OF THE ELECTRICAL PANEL THAT IS SUPPLYING DEDICATED POWER TO THE SYSTEM (NFPA 72 10.5.5.1). THE DEDICATED CIRCUIT BREAKER THAT SERVES THE FIRE ALARM SYSTEM SHALL BE LABELED AND SECURED AGAINST TAMPERING WITH A RED BREAKER LOCKOUT.

5) WALL MOUNTED STROBES SHALL BE PLACED 80" MINIMUM TO 96" MAXIMUM ABOVE FLOOR LEVEL (NFPA 72 18.5.4.1 & 2). WALL MOUNTED STROBES SHALL BE SIZED IN ACCORDANCE WITH (NFPA 72 TABLE 18.5.4.3.1(A). CEILING MOUNTED STROBES SHALL BE PLACED AND SIZED IN ACCORDANCE WITH (NFPA 72 TABLE 18,5,4,3,1(B),

6) WHEN MORE THAN TWO NOTIFICATION APPLIANCES ARE VISIBLE AT THE SAME TIME IN THE SAME ROOM OR ADJACENT SPACE OR THE FIELD OF VIEW THE FLASH OF THE STROBES SHALL BE SYNCHRONIZED (NFPA 72 18.5.4.3. (3) AND (4).

7) PULL STATIONS SHALL BE PLACED BETWEEN 42 AND 48 INCHES ABOVE FLOOR LEVEL. DEVICES SHALL BE RED IN COLOR (ICC A117.1 309 AND NFPA 72 17.14.5).

8) CENTER SMOKE DETECTORS IN CORRIDORS WITH CEILING LIGHTING AND THE FA STROBES. SMOKE DETECTORS IN CORRIDORS ARE TO BE SPACED PER NFPA 72 17.6.3.1 (H) AND 17.7.3.2.4.2 (4).

9) SMOKE DETECTORS USED FOR ELEVATOR RECALL SHALL BE INSTALLED WITHIN 21' OF THE ELEVATOR DOOR CENTERLINE (NFPA 72 21.3.5).

10) SMOKE DETECTORS USED FOR DOOR RELEASE SHALL BE INSTALLED WITHIN 5' OF THE DOOR ON THE CENTERLINE OF THE DOORWAY (NFPA 72 17.7.5.6.6.1).

11) AUDIBILITY REQUIREMENTS: A SOUND LEVEL OF 75dbA or 15dbA OVER AMBIENT SHALL BE REACHED IN ALL AREAS PROVIDED WITH FIRE ALARM DEVICES PER SPECIFICATION

12) SET STROBE CANDELA OUTPUT AS SHOWN ON PLANS, SET HORN TO MED SETTING.

13) OUTDOOR STROBES REQUIRED FOR APPROACHING EMERGENCY VEHICLES TO BE LOCATED ON THE BUILDING AT A SERVICEABLE HEIGHT, AND TO BE CLEARLY VISIBLE FROM THE EMERGENCY VEHICLE APPROACH PATH.

14) FIRE ALARM CIRCUITS TO BE INSTALLED, SECURED, AND TERMINATED IN ACCORDANCE WITH NEC, NFPA 72, AND LOCAL AHJ REQUIREMENTS AND STANDARDS.

15) NOTIFY E-SQUARED SYSTEMS OF ANY DESIGN QUESTIONS OR CHANGES PRIOR TO INSTALLATION OR FABRICATION. COMPARE DRAWINGS WITH CURRENT CONTRACT DRAWINGS PRIOR TO INSTALLATION.

16) ANY ALTERATIONS OR VARIATIONS FROM THE DRAWINGS SHOULD BE APPROVED PRIOR TO PROCEEDING AND DOCUMENTED ON THE AS-BUILT DRAWINGS. VERIFY DEVICE LOCATIONS PRIOR TO INSTALLATION.

17) REFERENCE FACTORY INSTRUCTION MANUALS CURING INSTALLATION OF FIRE CONTROL EQUIPMENT.

18) DETECTORS SHALL NOT BE MOUNTED IN A DIRECT AIR STREAM. DO NOT INSTALL DETECTORS WITH IN 3'-0" OF AIR DIFFUSERS.

19) US ONLY U.L. LISTED DEVICES.

20) DO NOT INSTALL DETECTOR HEADS UNTIL FINAL CLEANING HAS BEEN PERFORMED.

21) FIELD DETERMINE INTERFACE REQUIREMENTS AND LOCATIONS OF EQUIPMENT SUPPLIED BY OTHER TRADES. (I.E. SPRINKLER DEVICES, HVAC UNITS, FIRE DAMPERS, ELEVATOR CONTROLS, & FAN CONTROLS.)

22) NOTIFY E-SQUARED A MIN. OF 1 WEEK PRIOR TO THE INSTALLATION OF ALL WIRING, DEVICES, AND POWER, FOR SCHEDULING OF SYSTEM CHECK OUT AND PROGRAMMING E-SQUARED REQUIRES A MIN. OF 2 DAYS ON SITE FOR CHECKS PRIOR TO SCHEDULING A FIRE ALARM FINAL. LARGER SYSTEMS WILL REQUIRE MORE TIME. FAILURE TO HAVE WORK COMPLETED WILL REQUIRE RESCHEDULING AND ADDITIONAL COSTS.

PSD TRANSPORTATION BLDG

1501 39TH AVE SW PUYALLUP, WA 98373 FIRE ALARM SYSTEM

DAS Monitoring

ELECTRICAL NOTES:

760, AND SHALL ALSO COMPLY WITH NFPA 72, AND ALL LOCAL ELECTRICAL CODES AND LOCAL JURISDICTION REQUIREMENTS

2) CONDUIT INDICATED ON PRINTS IS DIAGRAMMATIC AND MAY BE REROUTED PER FIELD REQUIREMENTS.

3) AC POWER SHALL NOT OCCUPY THE SAME CONDUIT AS FIRE PROTECTION CIRCUITS (MOST FIRE DETECTION CKT'S ARE NEC CLASS 3)

4) ALL SLC LOOP WIRING SHALL BE MINIMUM 2 CONDUCTOR #16, UNSHIELDED, LOW/MID CAPACITANCE FIRE ALARM CABLE OF THE PROPER RISER

APPLIANCE CIRCUITS SHALL NOT BE PARALLEL BRANCHED (TEE TAPPED) TO ENSURE SUPERVISION OF WIRING. ADDRESSABLE CLASS "A" FIRE DETECTION SIGNALING LINE CIRCUITS (SLC) SHALL NOT BE PARALLEL BRANCHED (TEE TAPPED)

6) OBSERVE POLARITY OF ALL FIRE DETECTION WIRING. POLARITY SHALL BE MAINTAINED THROUGHOUT ENTIRE SYSTEM WIRE SHALL BE MARKED AND

7) THE FIRE ALARM PANEL GROUND SHALL BE A SEPARATE CONTINUOUS GROUND WIRE BACK TO THE SOURCE GROUND; CONDUIT GROUND IS NOT ACCEPTABLE PER MANUFACTURER'S SPECIFICATIONS.

8) ALL FIELD WIRING SHALL BE CHECKED FOR SHORTS, GROUNDS, & PROPER END OF LINE RESISTOR (ELR) VALUES BEFORE SCHEDULING E-SQUARED FOR SYSTEM CHECK OUT. DOCUMENT CIRCUIT READINGS AND PRESENT TO E-SQUARED TECHNICIAN UPON INITIAL ARRIVAL ON SITE. PROVIDE E-SQUARED A MIN. OF 1 WEEK NOTICE PRIOR TO CHECK OUT.

9) FIRE ALARM PANEL, AND ANY OTHER FIRE DETECTION EQUIPMENT REQUIRING 120VAC, SHALL BE SUPPLIED BY A DEDICATED CIRCUIT BREAKER OTHER (NON-FIRE DETECTION) EQUIPMENT SHALL NOT SHARE THE FIRE ALARM CIRCUIT(S). THIS BREAKER SHALL BE PROVIDED WITH A BREAKER LOCK-OUT FOR ALL FIRE ALARM EQUIPMENT AND MARKED "FIRE ALARM CIRCUIT CONTROL". 120VAC POWER BY OTHERS.

10) POWER SHALL NOT BE APPLIED TO THE FIRE ALARM PANEL UNLESS A REPRESENTATIVE FROM E-SQUARED IS PRESENT.

11) WIRE NUTS ARE NOT ALLOWED. ALL SPLICES ARE TO BE TERMINATED ON TERMINAL STRIPS. (APPLICABLE TO MILITARY INSTALLATIONS ONLY)

12) ALL SLC, NOTIFICATION, AND SPEAKER WIRING SHALL BE STYLE 6 (CLASS A). NO OUTPUT CIRCUITS, FROM FCP, OR RETURN CIRCUITS SHALL BE RUN IN THE SAME CONDUIT. VERTICAL SEPARATION OF CONDUITS SHALL BE AT LEAST 1 FOOT AND HORIZONTAL SEPARATION SHALL BE AT LEAST 4 FEET.

13) ELECTRICAL FINAL SHALL BE COMPLETED PRIOR TO SCHEDULING E-SQUARED FOR CHECK-OUT, UNLESS REQUIRED OTHERWISE BY AHJ.

WIRE SCHEDULE

SLC (1) AQC 226(UNDERGROUND)/(1) FPLP 14/2 (INTERIOR)

24VDC (1)AQC 226(UNDERGROUND)/(1) FPLP 16/2 (NON-SHIELDED)

ALL CABLES SHOULD BE MID CAPACITANCE, PLENUM, NON-SHIELDED. EXCEPT SPEAKER IS SHIELDED

ALL CONDUITS SHOULD BE 3/4" MINIMUM/OR AS REQUIRED BY NEC 70 UNLESS OTHERWISE NOTED ON PLANS.

INDOOR CABLE REPRESENTS WINDI CITY WIRE PART. UNDERGROUND (U.G.) CABLE REPRESENTS WEST PENN

NETWORK (1)AQC 226(UNDERGROUND)/(1) FPLP 14/2 (INTERIOR)

IDC CIRCUIT FPLP 16/2 (NON-SHIELDED)

AUX POWER FPLP 16/2(NON-SHIELDED)

FMPS TRIGGER (1) THWN #14

H EARTH GROUND (1) THWN #14 SOLID GREEN

WIRING TO MEET NEC 760 STANDARDS ALL UNSPECIFIED WIRING SHALL BE STRANDED ALL UNSPECIFIED COLOR PAIRS SHALL BE RED & BLACK

NU/N NAC (1) AQC 226(UNDERGROUND), (1) FPLP 14/2 (INTERIOR)

S1,2,3,4 | SHEILDED (1) AQC 295(UNDERGROUND)/(1)FPLP 14/2 (INTERIOR)

CODE DESCRIPTION / FUNCTION

FIRE ALARM SYSTEMS SEQUENCE OF OPERATIONS

							SYS	TEM	INF	PUT				
		CIRCUIT FAULT	LOW BATTERY	AC POWER FAILURE	GROUND CIRCUIT FAULT	MANUAL PULL STATIONS	SMOKE/HEAT DETECTORS	SPRINKLER WATERFLOW	SPRINKLER SUPERVISORY	DUCT DETECTOR ACTIVATION	Trouble on DAS System			
	ALARM @ FCP					X	X	X						
	TROUBLE @ FCP	Χ	Χ	Х	Х									
	SUPV. @ FCP								Χ	Х	Х			
OUTPUT	ACTIVATE FIRE SPEAKER/HORN/STROBES					Χ	Χ	Χ						
SYSTEM OU	ACTIVATE FIRE WATERFLOW BELL							Х						
	TRANSMIT GEN ALM TO MONITORING					Х	Х							
	TRANSMIT WF ALM TO MONITORING							Х						
	TRANSMIT TROUBLE TO MONITORING	Χ	Χ	Х	Х									
	TRANSMIT DUCT SMOKE TO MONITORING									Х				
	TRANSMIT SPRNKR SUPV TO MONITORING								Χ					
	HVAC SHUTDOWN									Х				
	-													

ACTIVATION OF LOCAL NOTIFICATION DEVICES INCLUDES SOUNDER BASE OF DETECTOR IN ALARM AND ALL OTHER SOUNDERS WITHIN THE SAME UNIT.

APPROVED 1/3/22 FIRE

BILL OF MATERIALS (BOM)

TEM	SYM	QTY	MODEL NUMBER	DESCRIPTION	MANUFACTURER	1 MOUNTING
1	• • • •			EXISTING EQUIPMENT		
2	FACP1	1	SLP-BLK	S3 SERIES MOTHERBOARD & CABINET (EXISTING)	FCI	IN BSLIM ENCLOSURE
3		1	FLPS-7	S3 SERIES POWER SUPPLY, 7A (EXISTING)	FCI	IN E3 ENCLOSURE
4		1	LCD-SLP	LCD KEYPAD / DISPLAY (EXISTING)	FCI	IN E3 ENCLOSURE
5	SNAC1	1	HPF24S8	8 AMP POWER SUPPLY	FCI	SURFACE, TOP @ 6'-0"
6	FACP2	1	ILI-MB-E3	E3 SERIES MOTHERBOARD	FCI	IN NEW E3 ENCLOSURE
	[FACP2]					
7		1	PM-9	E3 SERIES POWER SUPPLY, 9A	FCI	IN NEW E3 ENCLOSURE
8		2	RPT-E3-UTP	NETWORK REPEATER, UNSHIELDED TWISTED PAIR	FCI	IN NEW E3 ENCLOSURE
9		1	E3BB-BB	E3 BLACK "B" SIZE ENCLOSURE	FCI	SURFACE, TOP @ 6'-0"
10		1	E3ID2-B	E3 BLACK "B" SIZE INNER DOOR W/ 2 SLOTS	FCI	IN NEW E3 ENCLOSURE
11		1	1100-0450	E3 BLANK PLATE, SINGLE SIZE (3PK)	FCI	IN NEW E3 ENCLOSURE
12		1	E3-BP	E3 BLANK PLATE, DOUBLE SIZE	FCI	IN NEW E3 ENCLOSURE
13		2	DURA12-12F	12V-12AH BATTERY	DURACELL	FOR NEW FACP 2
14	<u> </u>	X X		**************		**********
15			Eviotin	g Popula		
16			EXISUI	g Panels — J		
				NEW FOURDIENT FOR BAOM. 'A .		
17			A B 4 B 4	NEW EQUIPMENT FOR DAS Monitoring	FOL	4" 001115= 1 =" ====
18	ММ	1	AMM-4F	Single Input Monitor Module Class A or B Monitoring	FCI	4" SQUARE 1.5" DEEP
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MOUNT	T MANU	AL PULL	STATIONS SO ACTUA	TION LEVER IS AT +48" ABOVE FINISHED FLOOR.		
	E LENS	MUST B	E BETWEEN 80" & 96'	BOTTOM OF STROBE AT +80" ABOVE FINISHED FLOOR 'AND NO LESS THAN 6" BELOW CLG. FF. SET STROBE CANDELA OUTPUT AS SHOWN ON PLAN	1 >> F	OR ADDITIONAL MOUNTING OPT SEE DATA SHEETS, PROVIDED.

AUDIBILITY AND INTELLIGIBILITY REQUIREMENTS

A SOUND LEVEL OF 75dba OR 15dba OVER AMBIENT SHALL BE REACHED IN ALL AREAS PROVIDED WITH FIRE ALARM/MNS DEVICES PER SPECIFICATIONS AND NFPA-72.

SET STROBE CANDELA OUTPUT AS SHOWN ON PLANS. SET HORN SETTINGS TO LOW* UNLESS NOTED. * EXTERIOR HORN TO HIGH

APPROVED

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.

Reviewed by Ryan Messer

NICET 3 #135229

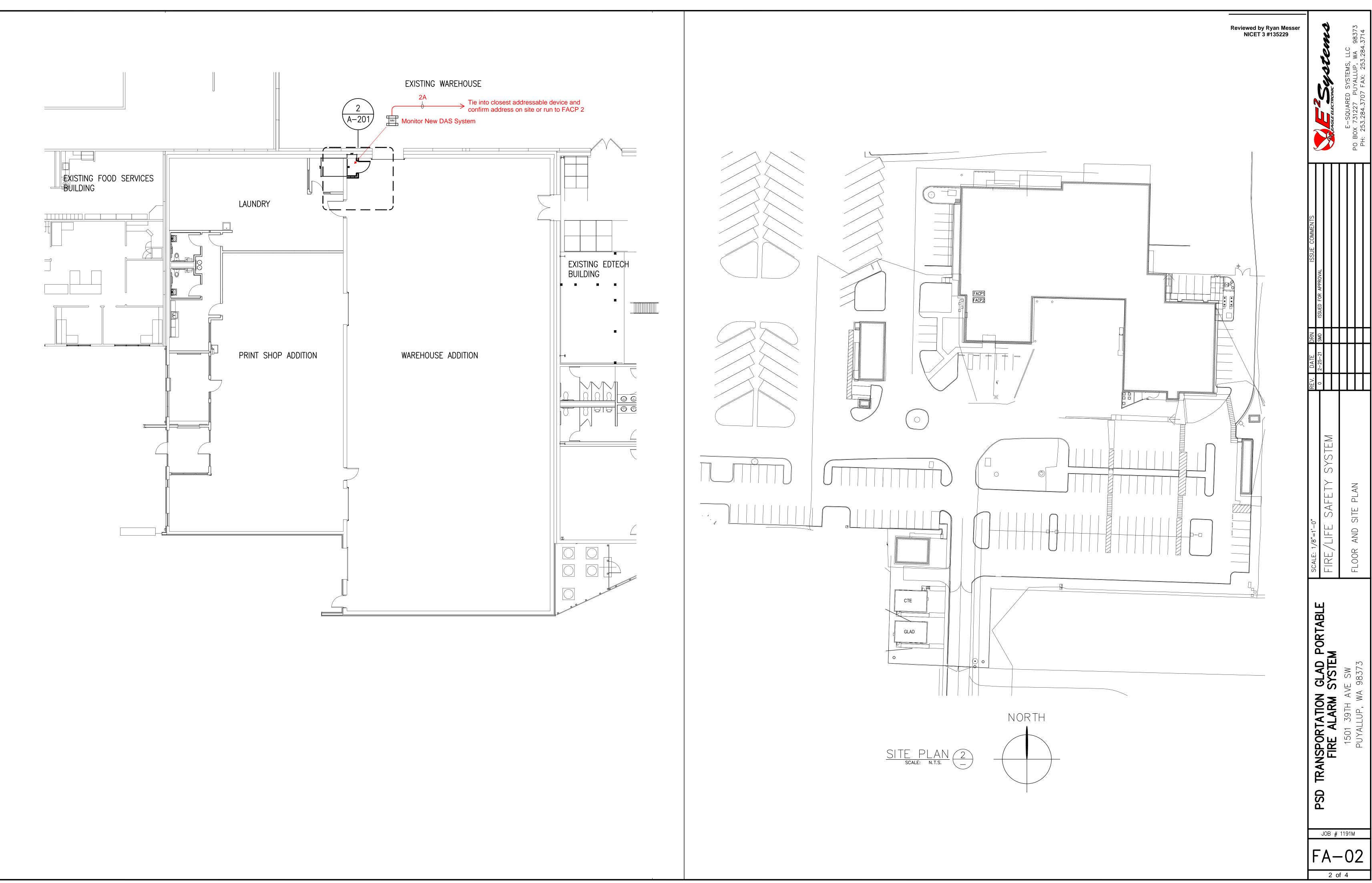
PORTABL! GLAD SYSTEN

TRANSPORTATION FIRE ALARM

JOB # 1191M

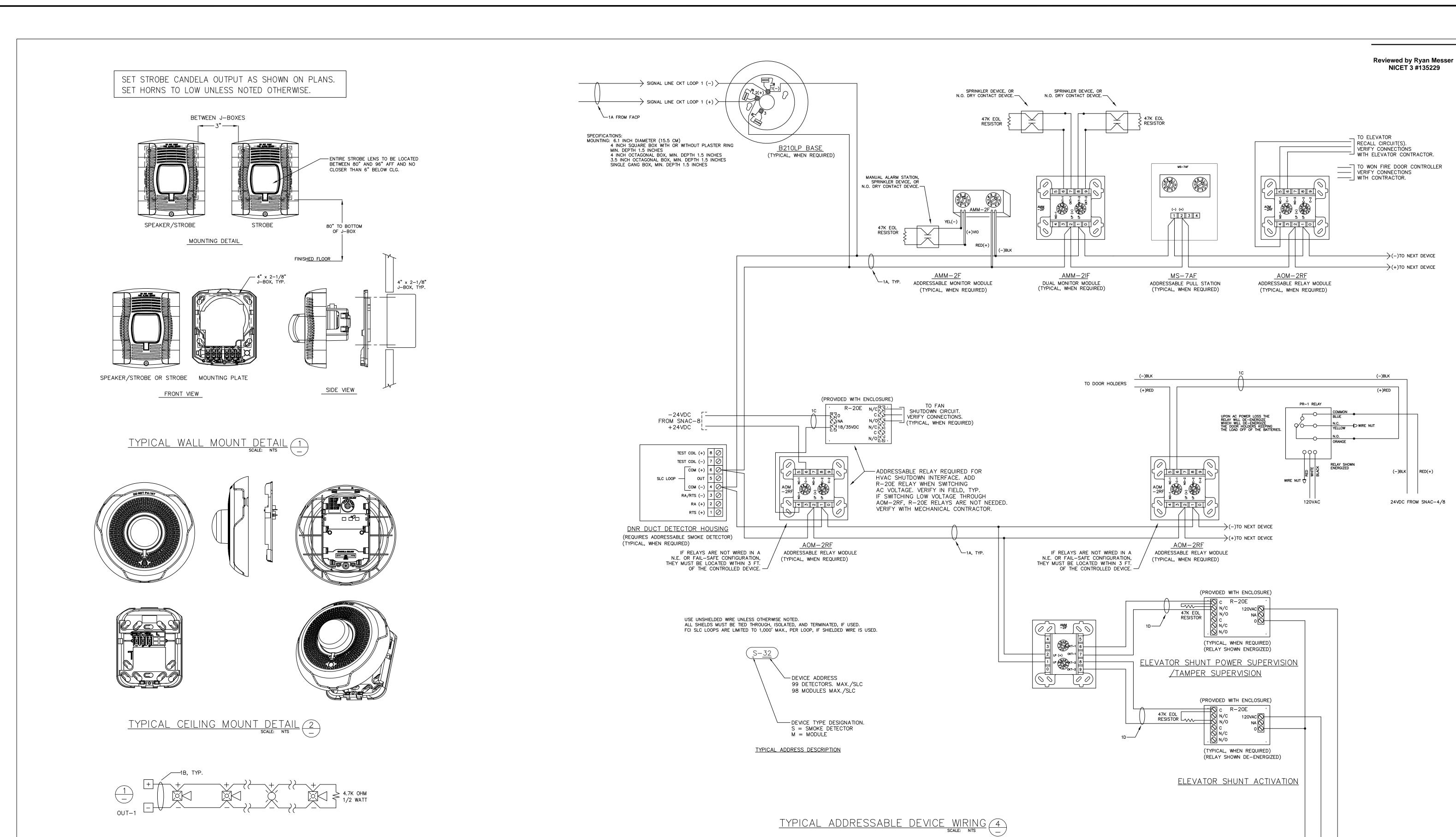
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1 of 4



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JOB # 1191M



TYPICAL NAC WIRING DETAIL

SCALE: NTS

-

 SCALE: 1/8"=1'-0"
 REV.
 DATE
 DRN
 ISSUED FOR APPROVAL

 FIRE/LIFE SAFETY SYSTEM
 0
 2-25-21
 SMD
 ISSUED FOR APPROVAL

 DEVICE DETAIL
 0
 2-25-21
 SMD
 ISSUED FOR APPROVAL

TRANSPORTATION GLAD PORTABLE FIRE ALARM SYSTEM 1501 39TH AVE SW

TO ELEV. SHUNT 120VAC POWER BRKR., BY SITE ELECT. CONTR.

DETAILS SHOWN ARE TYPICAL AND ALL

REF. LAYOUT DRAWINGS& B.O.M.

DETAILS MAY NOT APPLY TO ALL JOBS.

() POWER AVAILABLE LIGHT

W/ N.O. CONTACT

ELEVATOR SHUNT TRIP DETECTOR

135° FIXED TEMP. HEAT DETECTOR

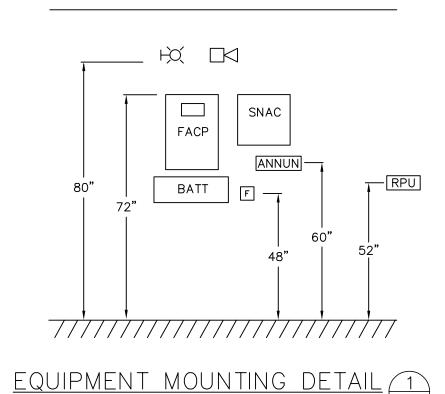
TO ELEV. SHUNT

TRIP BRKR., BY SITE ELECT. CONTR.

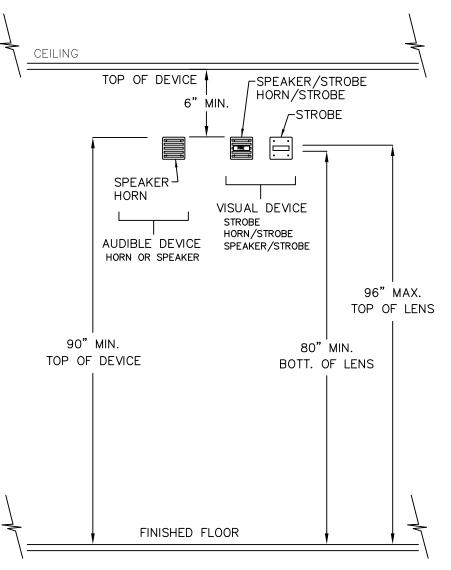
JOB # 1191M

FA-03

3 of 4



1. DETAIL NOT INTENDED TO SHOW SPATIAL RELATIONSHIP OF DEVICES. REFERENCE FLOOR PLANS FOR ACTUAL LOCATIONS.



INSTALLATION NOTES:

1. MOUNT VISUAL AND COMBINATION AUDIBLE/VISUAL APPLIANCES SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" A.F.F.

2. MOUNT AUDIBLE APPLIANCES SUCH THAT THE TOP OF THE APPLIANCE IS AT A MINIMUM HEIGHT OF 90" A.F.F AND BELOW THE FINISHED CEILING AT A MINIMUM HEIGHT 6".

3. IN AREAS WHERE MORE THEN TWO VISIBLE NOTIFICATION APPLIANCES ARE IN ANY FIELD OF VIEW, THEY SHALL FLASH IN SYNCHRONIZATION.

4. IN CORRIDOR APPLICATIONS: A. VISIBLE NOTIFICATION APPLIANCES SHALL BE LOCATED WITHIN 15' FROM THE END OF A CORRIDOR WITH SEPARATION NOT GREATER THAN 100' BETWEEN APPLIANCES. B. WALL-MOUNTED VISIBLE NOTIFICATION APPLIANCES SHALL BE PERMITTED IN EITHER THE END WALL OR THE SIDE WALL OF THE CORRIDOR.

C. IF THERE IS AN INTERRUPTION OF THE CONCENTRATED VIEWING PATH, SUCH AS A FIRE DOOR, AN ELEVATION CHANGE, OR ANY OTHER OBSTRUCTION, THE AREA SHALL BE TREATED AS A SEPARATE CORRIDOR.

5. SLEEPING AREAS:

A. FOR ROOMS WITH A LINEAR DIMENSION GREATER THAN 16', THE VISIBLE NOTIFICATION APPLIANCES SHALL BE LOCATED WITHIN 16' OF THE PILLOW. B. IF THE DISTANCE FORM THE TOP OF THE STROBE LENS IS EQUAL TO OR GREATER THEN 24" FROM THE CEILING THEN THE STROBE SHALL BE 110cd. IF THE DISTANCE FROM THE

TOP OF THE STROBE LENS IS LESS THEN 24" TO THE CEILING THE STROBE SHALL BE 177cd.

NO SMOKE DETECTORS WITHIN 3' HORIZONTAL FROM CEILING FAN BLADÉ TIP. SMOKE DETECTORS ARE REQUIRED IN BASEMENTS ON CEILING ADJACENT TO STAIRWELLS.

CLOSER THAN 6" BELOW CLG.

ENTIRE STROBE LENS TO BE LOCATED BETWEEN 80" AND 96" AFF AND NO

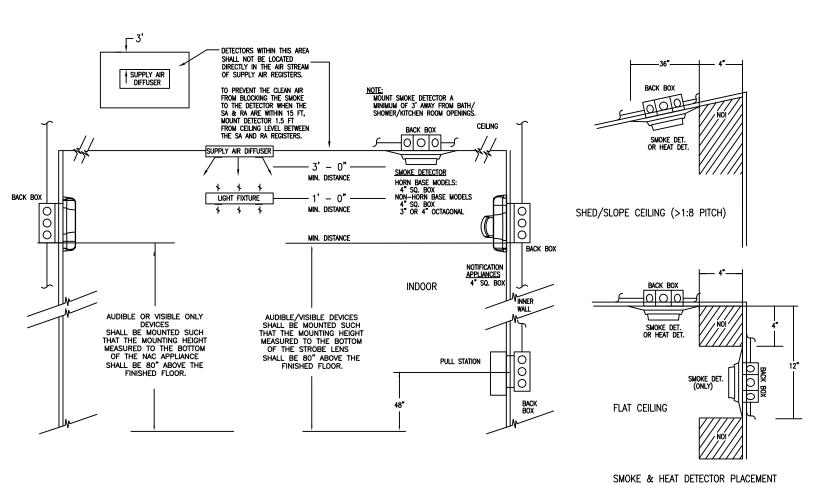
80" ТО ВОТТОМ

OF J-BOX

HORN/STROBE OR STROBE MOUNTING PLATE

FINISHED FLOOR TYPICAL HORN & STROBE WALL MOUNT DETAIL

> DETAILS SHOWN ARE TYPICAL AND ALL DETAILS MAY NOT APPLY TO ALL JOBS. REF. LAYOUT DRAWINGS& B.O.M.



GENERAL NOTES:

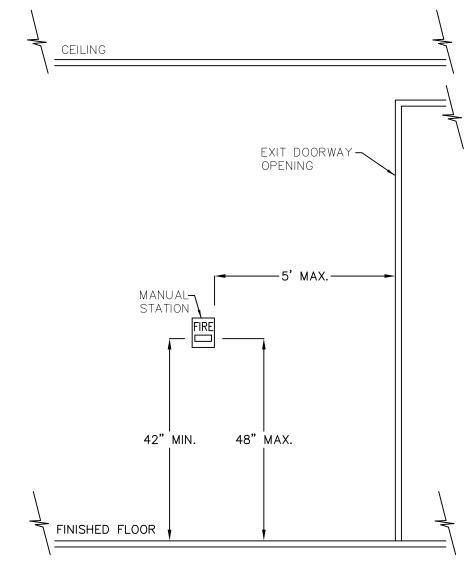
A. DO NOT APPLY POWER TO ANY DEVICE UNTIL AUTHORIZED BY A HONEYWELL REPRESENTATIVE. B. SEE FLOOR PLANS FOR ALL DEVICE LOCATIONS, DEVICE COUNTS, AND DEVICE ADDRESSES. C. FOLLOW DEVICE INSTALLATION INSTRUCTIONS INCLUDED WITH DEVICES. D. DETECTOR GUIDELINES:

NO SMOKE DETECTORS ALLOWED IN GARAGES.

NO SMOKE DETECTORS ALLOWED IN UNFINISHED ATTICS.

NO SMOKE DETECTORS ALLOWED IN AREAS WITH >100°F OR <40°F. ION SMOKE DETECTORS MUST BE > 20' FROM COOKING APPLIANCES. (PHOTO SMOKE DETECTORS ALLOWED <20' FROM COOKING APPLIANCE) NO SMOKE DETECTORS WITHIN 3' FROM DOOR TO KITCHEN OR SHOWER/TUB ROOM

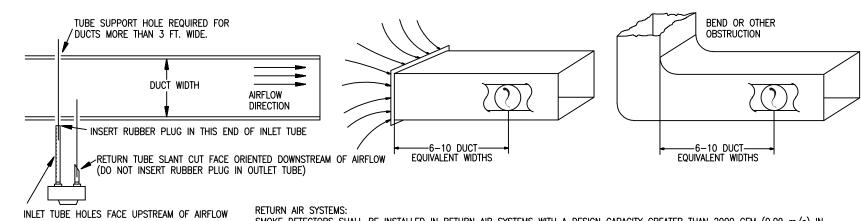
ADDITIONAL DEVICE MOUNTING DETAILS 5



INSTALLATION NOTES: 1. THE OPERABLE PART OF EACH MANUAL FIRE ALARM BOX SHALL BE NOT LESS THEN 42" AND NOT GREATER THAN 48" A.F.F.

2. MANUAL FIRE ALARM BOXES SHALL BE LOCATED WITHIN 5' OF THE EXIT DOORWAY OPENING ON EACH FLOOR.

MANUAL STATION MOUNTING DETAILS 3



SMOKE DETECTORS SHALL BE INSTALLED IN RETURN AIR SYSTEMS WITH A DESIGN CAPACITY GREATER THAN 2000 CFM (0.09 m/s) IN THE RETURN AIR DUCT OR PLENUM UPSTREAM OF ANY FILTERS, EXHAUST AIR CONNECTIONS, OUTDOOR AIR CONNECTIONS OR DECONTAMINATION EQUIPMENT AND APPLIANCES.

WHERE MULTIPLE AIR HANDLING SYSTEMS SHARE COMMON SUPPLY OR RETURN AIR DUCTS OR PLENUMS WITH A COMBINED DESIGN CAPACITY GREATER THAN 2000 CFM (0.9m3/s), THE RETURN AIR SYSTEM SHALL BE PROVIDED WITH SMOKE DETECTORS. WHERE RETURN AIR RISERS SERVE TWO OR MORE STORES AND SERVE ANY PORTION OF A RETURN AIR SYSTEM HAVING A DESIGN

CAPACITY GREATER THAN 15000 CFM (7.1m3/s), SMOKE DETECTORS SHALL BE INSTALLED AT EACH STOREY. SUCH SMOKE DETECTORS SHALL BE LOCATED UPSTREAM OF THE CONNECTION BETWEEN THE RETURN AIR RISER AND ANY AIR DUCTS OR PLENUMS SUPPLY AIR SMOKE DETECTORS: IF INSTALLED, SUPPLY AIR SMOKE DETECTORS SHALL BE MOUNTED IN THE DUCT DOWNSTREAM OF BOTH THE FAN AND THE FILTERS.

ADDITIONAL SMOKE DETECTORS IN THE SUPPLY AIR SYSTEM ARE NOT REQUIRED WHERE THE AIR PASSES THROUGH OTHER SMOKE SMOKE DAMPERS THAT ARE PART OF A SMOKE BARRIER SHALL BE INSTALLED IN THE PLANE OF THE FIRE PARTITION AND NOT AFTER THE FIRST AIR DUCT INLET OR OUTLET, WHICHEVER IS CLOSER TO THE SMOKE BARRIER. IF THE SMOKE DAMPER IS CONTROLLED BY

WHERE IN-DUCT SMOKE DETECTORS ARE INSTALLED IN CONCEALED LOCATIONS MORE THAN 10ft ABOVE THE FINISHED FLOOR, OR IN ARRANGEMENTS WHERE THE DETECTOR'S ALARM LIGHT IS NOT READILY VISIBLE TO RESPONDING PERSONNEL, THE DETECTOR SHALL BE PROVIDED WITH REMORE ALARM INDICATORS TO BE INSTALLED IN A READILY ACCESSIBLE LOCATION AND SHALL BE CLEARLY LABELED TO INDICATE BOTH THEIR FUNCTION AND THE AIR HANDLING UNIT(S) ASSOCIATED WITH EACH DETECTOR. (EXCEPTION: WHERE THE SPECIFIC DETECTOR IN ALARM IS INDICATED AT THE CONTROL UNIT)

AIR SYSTEM SMOKE DETECTOR IT SHALL BE LOCATED UPSTREAM OF THE SMOKE DAMPER BUT AFTER ANY INLET OR OUTLET IN

DUCT DETECTOR MOUNTING DETAILS 6

GLAD PORTABLE SYSTEM TRANSPORTATION FIRE ALARM

JOB # 1191M

4 of 4

MOUNTING HEIGHTS FOR WALL MOUNTED NOTIF APPLIANCES (4)