

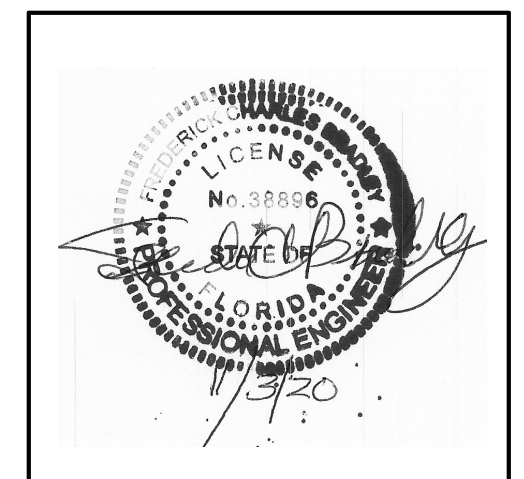
FIRE ALARM GENERAL NOTES

1. THESE DRAWINGS DEPICT GENERAL LOCATIONS OF LIFE SAFETY EQUIPMENT & FIELD DEVICES. EXACT ROUTING OF CONDUITS TO BE DETERMINED IN THE FIELD BY THE INSTALLING CONTRACTOR TO SUIT CONDITIONS. ALL CHANGES SHALL BE CLEARLY INDICATED ON THE RECORD DRAWINGS.
2. CONTRACTOR QFPE IS RESPONSIBLE FOR MAKING AND OBTAINING APPROVAL FOR ALL NECESSARY ADJUSTMENT IN CIRCUITING AS REQUIRED TO ACCOMMODATE THE RELOCATION OF EQUIPMENT AND/OR DEVICES WHICH ARE AFFECTED BY ANY AUTHORIZED CHANGE. ALL CHANGES SHALL BE CLEARLY INDICATED ON THE RECORD DRAWINGS.
3. A SET OF APPROVED FIRE ALARM SHOP DRAWINGS SHALL BE AT THE JOB SITE AND SHALL BE USED FOR INSTALLATION.
4. THE POWER CIRCUIT TO THE FACU AND TO THE FIRE ALARM POWER SUPPLIES SHALL BE ON A DEDICATED 120V, 20A BRANCH CIRCUIT BREAKER, AND SHALL HAVE A RED MARKING, LOCK-ON PROVISION AND SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL." THE LOCATION OF THE CIRCUIT DISCONNECT MEANS (CIRCUIT BREAKER) SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.
5. THE CONTRACTOR WILL MAINTAIN ALL AREAS OF THE BUILDING IN A NEAT AND WORKMAN LIKE MANNER.
6. ANY SMOKE DETECTOR HEAD INSTALLED BEFORE THE BUILDING IS CLEANED AND ACCEPTED SHALL BE COVERED TO PROTECT FROM DUST. ANY FALSE ALARMS DUE TO DIRT CONTAMINATED HEADS SHALL BE THE RESPONSIBILITY OF THE FIRE ALARM INSTALLER.
7. THE FIRE ALARM INSTALLER WILL MAINTAIN THE FIRE RESISTANCE INTEGRITY OF ALL WALL, CEILING, AND ROOF ASSEMBLIES ANY TIME THAT WORK IS NOT ACTIVELY BEING PERFORMED.
8. INSTALLATION OF DEVICES SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. POWER LIMITED AND NON-POWER LIMITED FIELD WIRING MUST BE INSTALLED WITHIN THE FACU ENCLOSURE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND NEC.
9. ALL WIRING SHALL BE INSTALLED ACCORDING TO NFPA 70 (NEC).
10. FIRE ALARM CIRCUITS SHALL BE IDENTIFIED IN ACCORDANCE WITH APPROPRIATE SECTION OF NEC 760. MARK ALL FIRE ALARM WIRES IN ACCORDANCE WITH NEC 760 SECTIONS FOR POWER LIMITED AND NON-POWER LIMITED WIRE.
11. FIRE ALARM CABLE INSTALLED IN DUCTS, PLENUM, AND OTHER SPACES USED FOR ENVIRONMENTAL AIR SHALL BE TYPE FPLP.
12. FIRE ALARM CABLE INSTALLED IN THE VERTICAL RUNS AND PENETRATE MORE THAN ONE FLOOR OR CABLES INSTALLED IN VERTICAL RUNS IN SHAFTS SHALL BE TYPE FPLR.
13. FIRE ALARM CABLE INSTALLED IN UNDERGROUND CONDUIT OR OTHER WET LOCATIONS SHALL BE UL LISTED FOR WET LOCATIONS.
14. FIRE ALARM CIRCUITS EXTENDING BEYOND ONE BUILDING AND RUN OUTDOORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 70 ARTICLES 760, 770, 725 AND 800 WHERE APPLICABLE.
15. ALL WIRING, INCLUDING SHIELDS MUST BE DRY AND FREE OF SHORTS AND GROUNDS.
16. ALL SHIELDED WIRE MUST HAVE SHIELD CONTINUITY AT FULL LENGTH OF THE WIRE.
17. ONLY SYSTEM WIRING CAN BE RUN IN THE SAME CONDUIT.
18. 120VAC IS NOT PERMITTED IN THE SAME CONDUIT WITH LOW VOLTAGE WIRING.
19. ALL WIRING SHALL BE SOLID COPPER AND INSTALLED IN NEW FACTORY APPLIED RED FINISH CONDUIT.
20. PROVIDE DUCT DETECTORS IN SUPPLY AIR SYSTEMS.
21. PRE-FINAL & FINAL FIRE ALARM TESTING SHALL BE COORDINATED WITH HURLBURT AFB PERSONNEL.
22. ALL WIRING TO BE SOLID COPPER.
23. INSTALL SMOKE DETECTION ABOVE ALL CONTROL PANELS TO INCLUDE NAC EXTENDER PANELS AND EARLY SMOKE DETECTION CONTROL PANELS.
24. MONITORING MODULES FOR SINGLE SERVICE. DUAL INPUT NOT PERMITTED
25. ALL CONDUIT TO BE NEW AND PROVIDED WITH A FACTORY APPLIED RED FINISH.
26. **Note not used**
27. ALL FIRE ALARM CIRCUITS SHALL BE TERMINATED ON TERMINAL STRIPS. WIRE NUTS ARE PROHIBITED. ALL SIGNALLING LINE CIRCUITS (SLC) AND NOTIFICATION APPLIANCE CIRCUITS (NAC) ENTERING THE BUILDING AND AT THE FIRE ALARM PANEL SHALL BE PROVIDED WITH SUITABLE SURGE SUPPRESSORS (SEE SPECIFICATIONS)
28. THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER 30 DAYS BEFORE THE PRELIMINARY AND ACCEPTANCE FIRE ALARM TESTS ARE TO BE CONDUCTED. THE TESTS SHALL BE IN ACCORDANCE WITH THE APPROVED TESTS PROCEDURES IN THE PRESENCE OF THE CONTRACTING OFFICER. THE CONTRACTOR SHALL FURNISH ALL INSTRUMENTS AND PERSONNEL REQUIRED FOR THE TESTS.
29. FIRE ALARM CONTRACTOR SHALL PROVIDE SHOP DRAWINGS IN ACCORDANCE WITH HURLBURT FIELD SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO BATTERY POWER CALCULATIONS.
30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGE CAUSED BY HIS ACTIONS INCLUDING THE REPAIR OF THE EXISTING TO REMAIN CEILINGS AND EXISTING TO REMAIN WALL WITH THE REMOVAL OF EXISTING FIRE ALARM SYSTEM COMPONENTS AND THE INSTALLATION OF NEW FIRE ALARM AND MASS NOTIFICATION SYSTEM COMPONENTS.

FIRE ALARM/MASS NOTIFICATION LEGEND

- Ⓢ FIRE ALARM CEILING MOUNTED CLEAR STROBE
- Ⓜ FIRE ALARM/MASS NOTIFICATION CEILING MOUNTED AMBER STROBE/SPEAKER

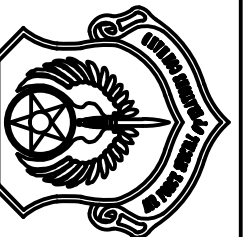
CONTRACTOR SHALL RETAIN A REGISTERED FIRE PROTECTION ENGINEER (AS DEFINED BY UFC 3-600-01) TO BE THE QFPE FOR THE CONSTRUCTION PROJECT. THE QFPE SHALL BE INVOLVED WITH PRODUCTION OF FIRE ALARM SHOP DRAWINGS AND CALCULATIONS. THE QFPE MUST REVIEW AND STAMP DRAWINGS, CUTSHEETS, AND CALCULATIONS PRIOR TO SUBMITTING TO THE GOVERNMENT FOR REVIEW. THE QFPE MAY MAKE ADJUSTMENTS TO THE DEVICE LAYOUTS BASED ON CALCULATIONS AND LAYOUTS. THE INSTALLATION MUST COMPLY WITH SPECIFICATION 28 31 76, UFC 3-600-01, UFC 4-021-01, AND NFPA 72. THE QFPE SHALL PROVIDE ALL INSPECTIONS AND INTERFACE WITH THE AHJ AS REQUIRED FOR A COMPLETE INSTALLATION.



PETERSON ENGINEERING INC.
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 (850) 434-0513
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Upgrade Electrical System, Safety, & Security Deficiencies, Bldg. 90758

AIR FORCE SPECIAL OPERATIONS COMMAND
 1 SPECIAL OPERATIONS CIVIL ENGINEER SQUADRON
 HURLBURT FIELD, FLORIDA



DATE:
04 NOV 2020
 DESIGNED BY:
F. BRADLEY
 DRAWN BY:
D. BAGWELL
 BUILDING NUMBER:
90758
 PROJECT NUMBER:
CP1035622
 SHEET REFERENCE:

FA001

SHEET NUMBER:
13 OF 30

REV #	DATE	DESCRIPTION
1	17 Jun 21	Removed Note 26

FA/MS LEGEND AND NOTES