

DESIGN NOTES

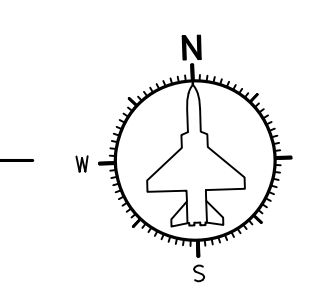
1. SPEAKER/STROBE WATTAGE AND CANDELA ARE SHOWN FOR SCHEMATIC PURPOSES ONLY. VERIFY CORRECT SETTINGS ON SHOP DRAWINGS.
2. ALL SPEAKER/STROBES ARE CEILING MOUNTED.
3. EXTERIOR SPEAKERS SHALL BE WEATHERPROOF DEVICES.
4. FIELD VERIFY LOCATIONS, NUMBERS AND CAPACITIES OF AIR HANDLING UNITS.
5. TWELVE (12) FIRE/SMOKE DAMPERS ARE KNOWN TO EXIST. FIELD VERIFY SMOKE/FIRE DAMPERS FOR QUANTITIES AND LOCATIONS.
6. FIELD VERIFY DOOR HOLD-OPEN DEVICES AND CONTROL VOLTAGE.
7. PROVIDE SEPARATE FIRE ALARM CONTROL PANELS AND MASS NOTIFICATION/VOICE PANELS FOR EACH SCIF. SUB-PANELS SHALL BE FIBER-NETWORKED TO THE MASTER PANEL AT THE MAIN ENTRY.
8. PROVIDE SPRINKLER SYSTEM ISOLATION VALVE MONITORING AT EACH SCIF.
9. QUANTITIES FOR SHUNT TRIP DEVICES IN EACH SCIF ARE NOT KNOWN. ANTICIPATE A MINIMUM OF 15 POINTS. FIELD VERIFY QUANTITIES AND LOCATIONS FOR SHUNT TRIP DEVICES; PROVIDE PAM INTERFACE RELAYS WHERE REQUIRED FOR ACCEPTABLE DESIGN.
10. PROVIDE SURGE SUPPRESSOR ISOLATION AT CIRCUITS RUNNING TO EXTERIOR MONITORED DEVICES.
11. FIELD VERIFY STRUCTURAL SEPARATIONS AT ROOF-CEILING ABOVE CONTROL ROOMS 1&2. PROVIDE DETECTION IN EACH BEAM POCKET OR ON BOTTOMS OF BEAMS AS REQUIRED FOR CEILING HEIGHT/BEAM DEPTH RATIOS PER NFPA 72.
12. DETECTOR LAYOUT IS FOR EARLY DETECTION WITH ADDRESSABLE SMOKE DETECTORS IN BOTH ROOM AND SUB FLOOR AREAS.
13. VERIFY USE OF SUB FLOOR SPACES AS PLENUMS FOR ROOM ENVIRONMENTAL AIR.
14. DESIGN ASSUMES THAT THE ELEVATOR PIT SPRINKLER HEAD(S) WILL BE <24" ABOVE THE PIT FLOOR; NO HEAT DETECTION PROVIDED IN THIS AREA.
- 15.

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	FIRE ALARM CONTROL PANEL		WATERFLOW SWITCH
	FIRE ALARM POWER SUPPLY		VALVE WITH TAMPER SWITCH
	GRAPHIC MAP		MINI MONITOR MODULE
	FIRE ALARM ANNUNCIATOR		MONITOR MODULE
	FIRE ALARM COMMUNICATOR		DUAL MONITOR MODULE (TWO POINTS)
	SMOKE DETECTOR (PHOTOELECTRIC)		CONTROL MODULE
	HEAT DETECTOR FIXED TEMP		RELAY MODULE
	PULL STATION		REMOTE INDICATING LIGHT
	DUCT DETECTOR (PHOTOELECTRIC)		REMOTE TEST STATION WITH RESET SWITCH
	HORN WITH STROBE		DOOR HOLDER (24VDC)
	(NUMBER INDICATES CANDELA) STROBE (NUMBER INDICATES CANDELA)		END OF LINE RESISTOR
	(NUMBER INDICATES CANDELA) STROBE (NUMBER INDICATES CANDELA)		RATE-OF-RISE/FIXED TEMP HEAT DETECTOR
	(NUMBER INDICATES CANDELA) STROBE (NUMBER INDICATES CANDELA)		END OF LINE POWER SUPERVISION RELAY
	(NUMBER INDICATES CANDELA) STROBE (NUMBER INDICATES CANDELA)		FIRE DEPARTMENT KNOX BOX
	(NUMBER INDICATES CANDELA) STROBE (NUMBER INDICATES CANDELA)		AGENT STORAGE CONTAINER DRY CHEMICAL
	(NUMBER INDICATES CANDELA) STROBE (NUMBER INDICATES CANDELA)		INFRARED FLAME DETECTOR
	(NUMBER INDICATES CANDELA) STROBE (NUMBER INDICATES CANDELA)		ABORT SWITCH
	(NUMBER INDICATES CANDELA) STROBE (NUMBER INDICATES CANDELA)		FIREMAN PHONE JACK

**2** LEGEND  
**FA1.1A** SCALE: N.T.S.



**1** SUB FLOOR FIRE ALARM PLAN  
**FA1.1A**  
 SCALE: 1/8" = 1'-0"



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PRELIMINARY -  
 NOT FOR CONSTRUCTION

NELLIS AFB  
 REPAIR FIRE PROTECTION SYSTEM  
 BLDG. 200  
 KENLY DR.  
 LAS VEGAS, NV

Sheet Title:  
**SUB-FLOOR FIRE PROTECTION SYSTEM  
 FIRE PROTECTION  
 DETECTION PLAN**

Revisions

Date: **03-10-10**  
 Job No. **10039**  
 Drawn By: **JBF**  
 Designed By: **JBF**  
 Checked By: **S.A.**

Sheet No.:  
**FA1.1A**