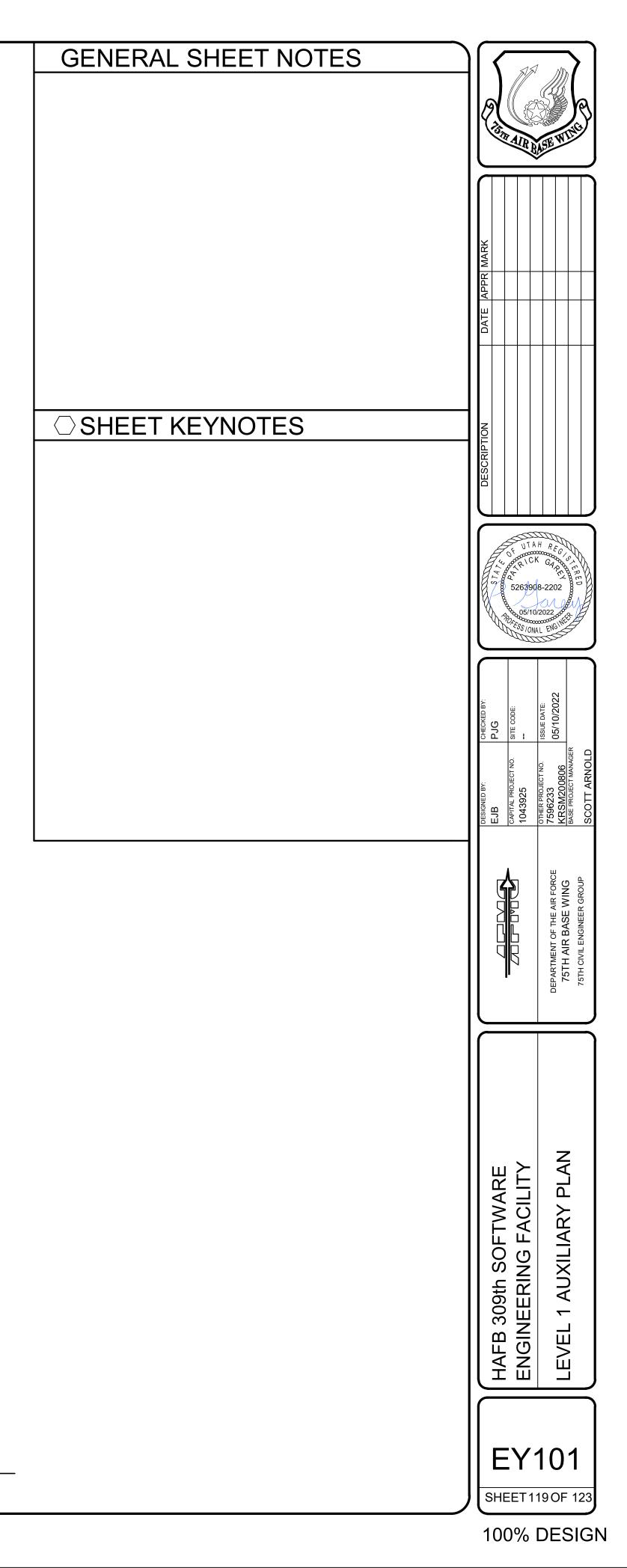
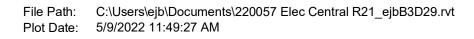
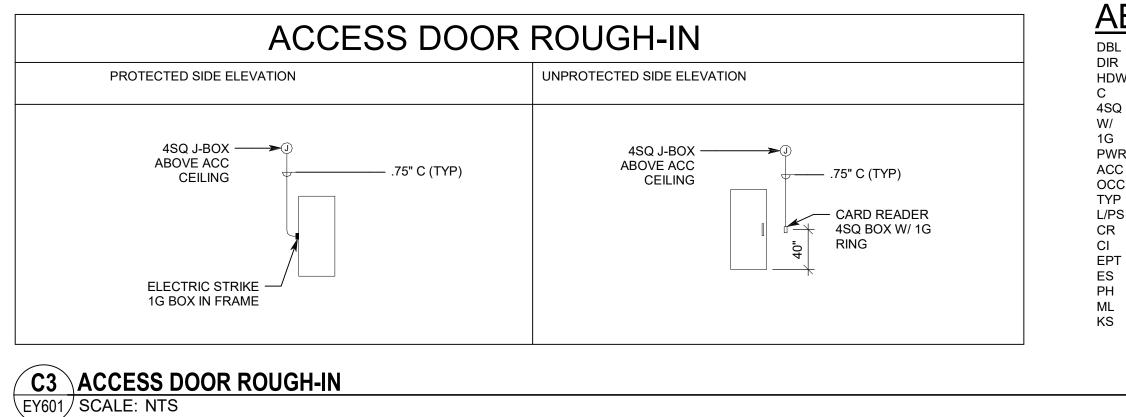
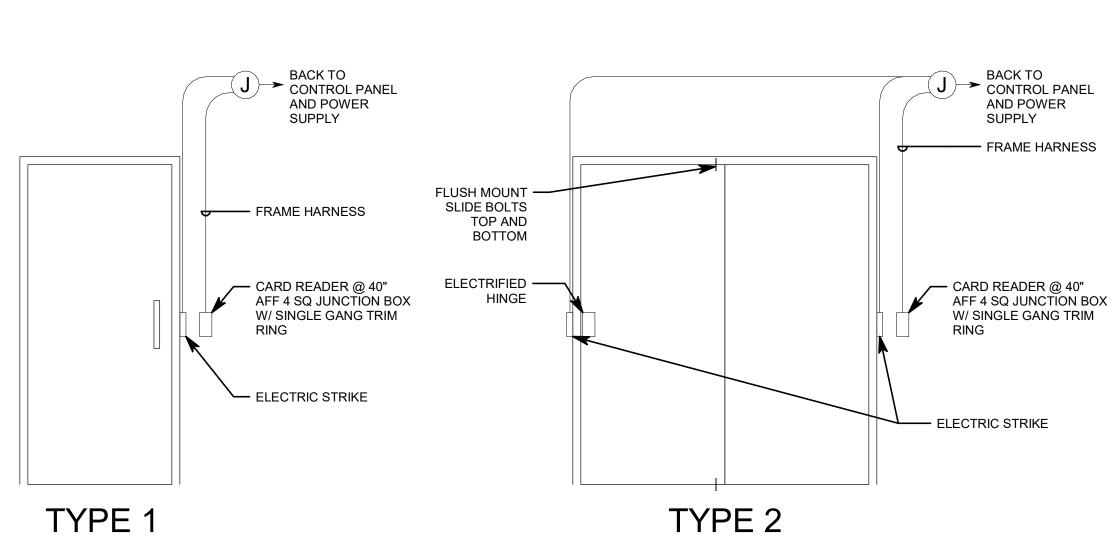


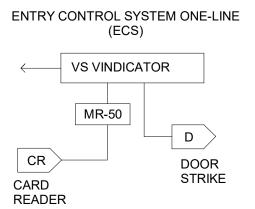
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STRIKE

THIS ELEVATION IS FOR OPENINGS IN HARDWARE SET(S) 6, 7, 8, AND 9.

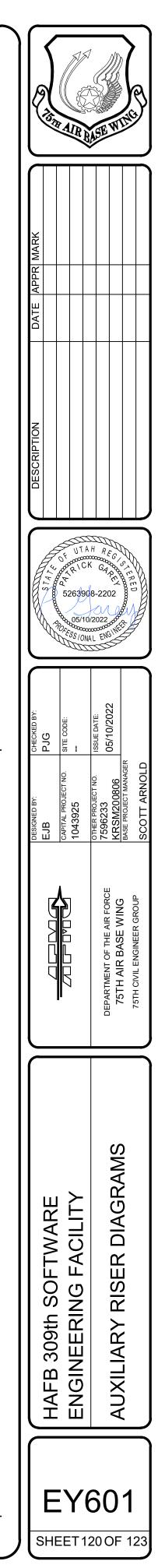
NOTES:

- 1. POWER SUPPLIES FOR ELECTRIFIED DOOR HARDWARE SHALL BE PROVIDED BY THE SECURITY SYSTEM INSTALLER.
- 2. STAND ALONE DOOR SENSOR ALARMS BY THE SECURITY SYSTEM INSTALLER.
- 3. CONDUITS TO BE BLUE.





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ABBREVIATIONS

KEY SWITCH

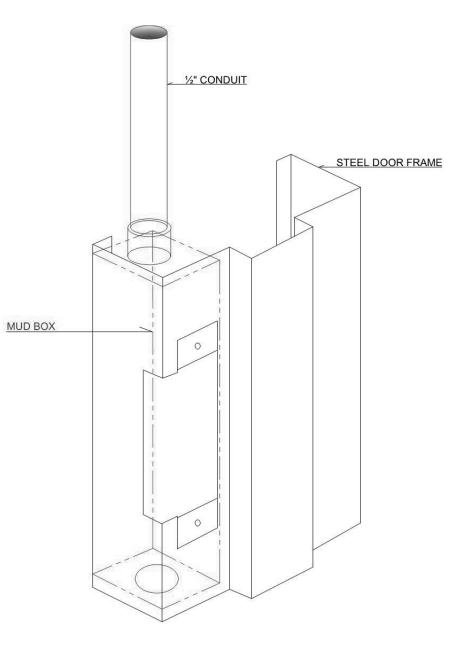
=

L	=	DOUBLE	ACS	=	ACCESS CONTROL SYSTEM
R	=	DIRECTION	EL	=	ELECTRIC LOCKSET
WR	=	HARDWARE	MD	=	MOTION DETECTOR
	=	CONDUIT	TLC	=	TIME/SYSTEM LOCK CONTROL
Q	=	FOUR SQUARE	ELC	=	EMERGENCY LOCK CONTROL
	=	WITH	IDS	=	INTRUSION DETECTION SYSTEM
	=	1 GANG	ADA	=	AUTO DOOR OPENER
/R	=	POWER	REX	=	REQUEST TO EXIT
С	=	ACCESSIBLE	FA	=	FIRE ALARM SYSTEM
С	=	OCCUPANCY	OFP	=	OBTAIN FROM PLANS
Ρ	=	TYPICAL	A/R	=	AS REQUIRED
S	=	LOCK POWER SUPPLY	MHO	=	MAGNETIC HOLD OPEN
	=	CARD READER	ED	=	EXIT DEVICE
	=	DOOR CONTACT INDICATOR	LS	=	LOCKSET
Т	=	ELECTRIC POWER TRANSFER			
	=	ELECTRIC STRIKE			
	=	PANIC HARDWARE			
	=	ELECTROMAGNETIC LOCK			

100% DESIGN



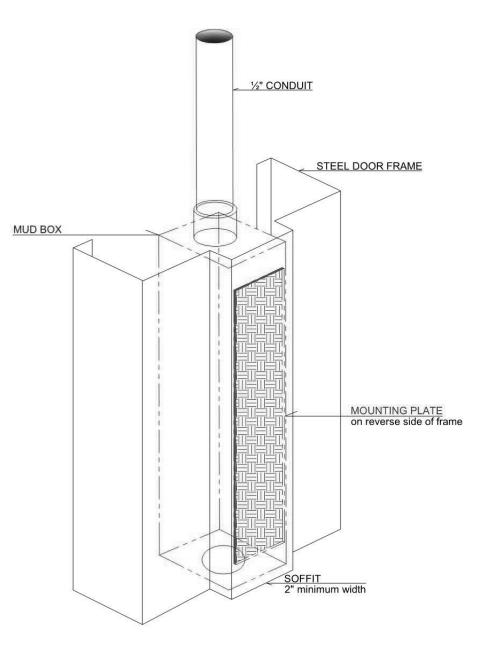








TYPICAL LAYOUT FOR DOOR LEVER INSTALLATION WITH ADAMS RITE DOOR STRIKE

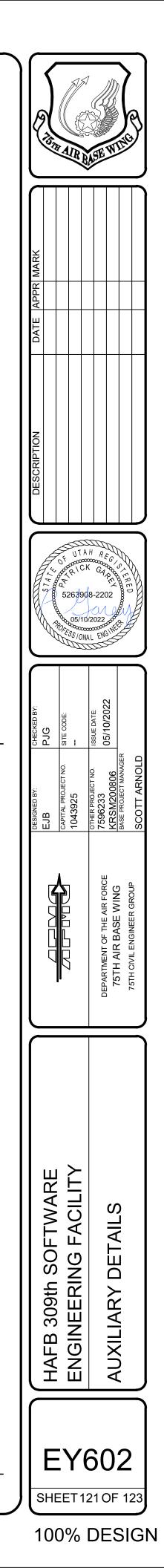


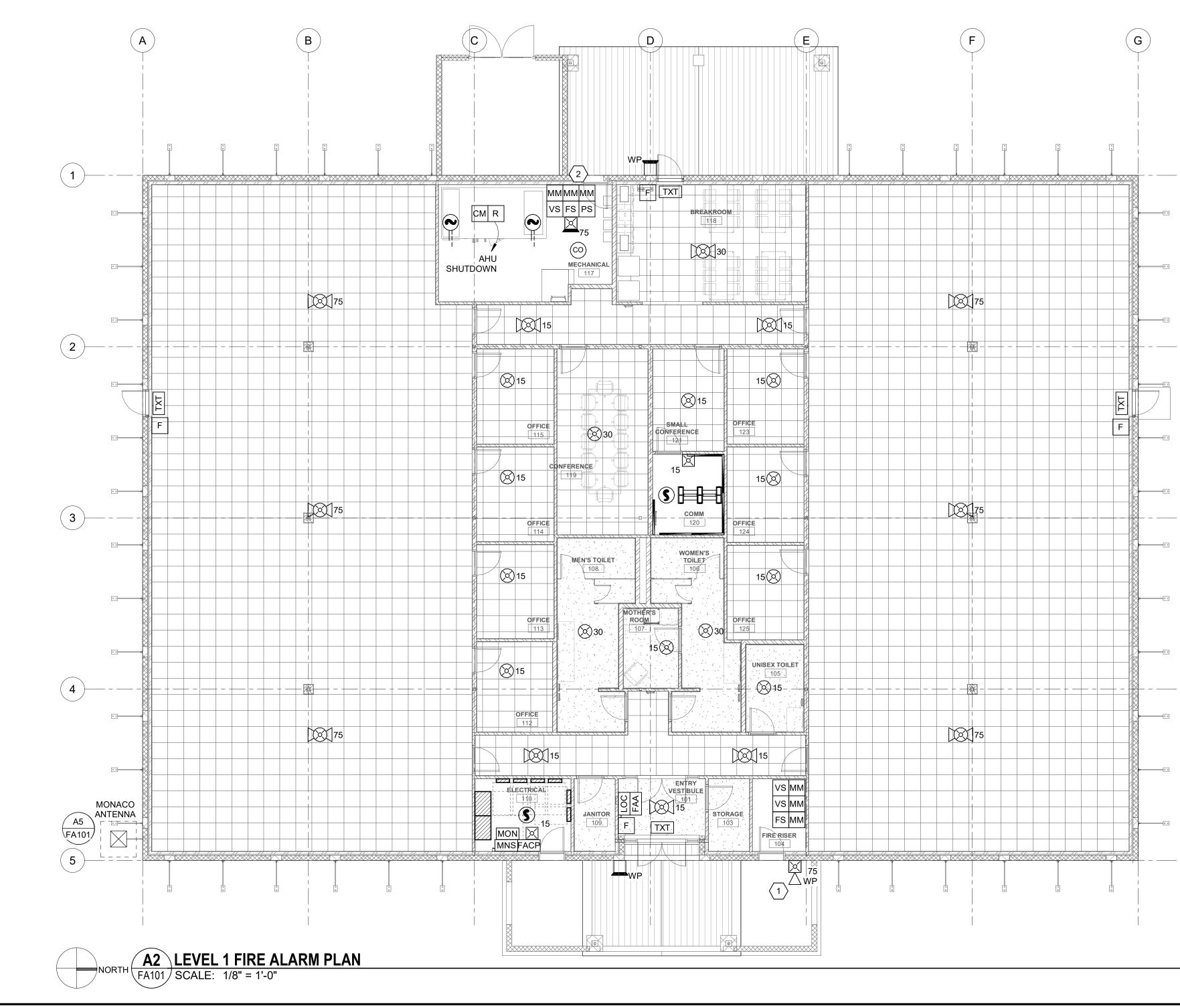
TYPICAL LAYOUT FOR CRASH BAR INSTALLATION WITH HES-9600 DOOR STRIKE



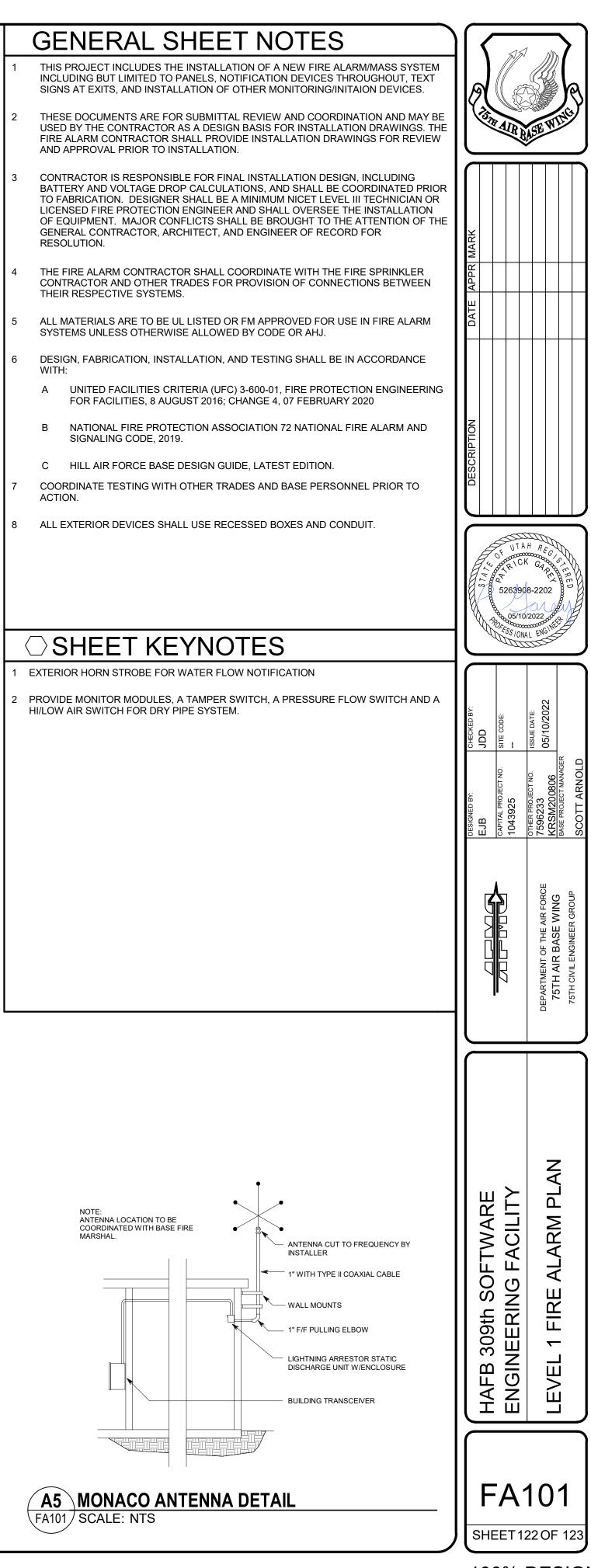
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L SYSTEM PARTS LIST	
L SYSTEM PARTS LIST M TERMINAL (SENECA) - WINDOWS 10 R: 548-51600-11 OR WITH VIDEO CABLE R: 340-33905-01 ONTROLLER - BUILD 23 R: 548-54100-01 ONTROLLOSURE R: 550-33731-03 E: R 574-32658-02 OLS-180 SE BLOCK PD8 ADER: SK00 ADER: SK00 ALCRASH BARS ALEVER LOCK SET HLOCKABLE BRACKET JGLOK	
E: R 574-32658-02	
OLS-180	
I CRASH BARS	
I LEVER LOCK SET	
H LOCKABLE BRACKET DGLOK	
-120HW	

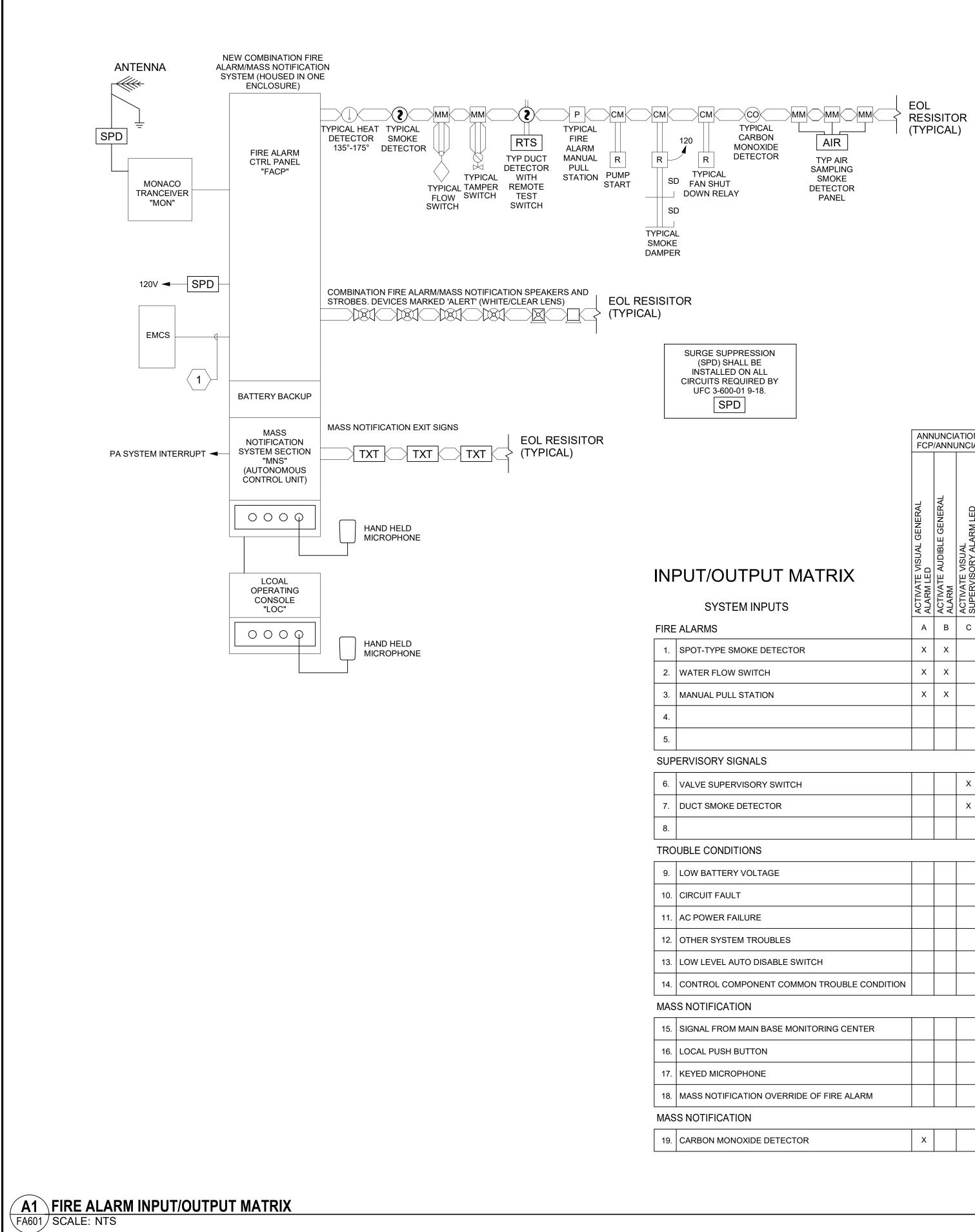




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100% DESIGN



1 PROVIDE CONNECTION TO EMCS PANEL FOR HVAC EQUIPMENT SHUTDOWN. COORDINATE REQUIREMENTS WITH EMCS INSTALLER.

NOTES:

- 1. PROVIDE SYSTEM EQUIPMENT MODULES AND/OR OPTIONS TO DIVIDE SPEAKER/STROBE LOOPS INTO INDIVIDUAL ZONES.
- SPEAKER/STROBE LOOPS INTO INDIVIDUAL ZONES.
 SPEAKER/STROBE LOOPS SHALL BE SUPERVISED.
- MASS NOTIFICATION SYSTEM SHALL INTERFACE WITH FIRE ALARM SYSTEM TO PROVIDE THE FOLLOWING FUNCTIONS:
- 3.a. PROVIDE INPUT CLOSURE FOR ACTIVATION OF THE MASS NOTIFICATION SYSTEM IN THE EVENT OF A FIRE ALARM.
 3.b. PROVIDE THE MEANS TO "SILENCE" THE FIRE ALARM HORN SIGNAL AND
- DEACTIVATE THE FIRE ALARM (WHITE) STROBES DURING THE TIME VOICE ANNOUNCEMENTS ARE MADE THROUGH THE MASS NOTIFICATION SYSTEM. RESTORE HORN SIGNAL WHEN VOICE MESSAGES HAVE BEEN COMPLETED. 4. MASS NOTIFICATION SYSTEM SHALL COMPLY WITH UFC 04-021-01 FOR
- INTERCONNECTION TO SILENCE FIRE ALARM NOTIFICATION MESSAGES UPON ACTIVATION OF MASS NOTIFICATION MESSAGES.
- 5. COORDINATE REQUIRED INPUT MESSAGES FOR THE MASS NOTIFICATION SYSTEM WITH HILL AFB FIRE DEPARTMENT.
- 6. IN THE EVENT THAT A MASS NOTIFICATION MESSAGE IS REQUIRED DURING A FIRE ALARM THE MASS NOTIFICATION SYSTEM WILL OVERRIDE THE FIRE ALARM SYSTEM AND WILL AUTOMATICALLY END AFTER 10 MINUTES, AT WHICH TIME THE FIRE ALARM SIGNAL WILL CONTINUE.

	ANNUNCIATION AT TRANSMIT SIGNALS TO FCP/ANNUNCIATORS FIRE DEPARTMENT													OCCUP NOTIFIC	N	AUXILIARY FUNCTIONS					
T/OUTPUT MATRIX SYSTEM INPUTS	ACTIVATE VISUAL GENERAL ALARM LED	ACTIVATE AUDIBLE GENERAL ALARM	ACTIVATE VISUAL SUPERVISORY ALARM LED	ACTIVATE AUDIBLE SUPERVISORY ALARM	ACTIVATE VISUAL TROUBLE ALARM LED	ACTIVATE AUDIBLE TROUBLE ALARM	ALPHA-NUMERIC DISPLAY ANNUNCIATION BY DEVICE	RESET, SILENCE, ACKNOWLEDGE FUNTIONS ENABLED	TRANSMIT GENERAL ALARM SIGNAL	TRANSMIT GENERAL TROUBLE SIGNAL	TRANSMIT GENERAL SUPERVISORY SIGNAL	TRANSMIT MASS NOTIFICATION OPERATION SIGNAL	TRANSMIT MASS NOTIF. OVERRIDE OF FIRE ALARM SIGNAL (TROUBLE)	TRANSMIT CARBON MONOXIDE SIGNAL	ACTIVATE COMBINATION FIRE ALARM/MASS NOTIFICATION VISUAL NOTIFICATION DEVICES (CLEAR)	ACTIVATE CARBON MONOXIDE SIGNAL AND MESSAGE	ACTIVATE AUDIBLE NOTIFICATION DEVICES	SHUT DOWN ALL SUPPLY & RECIRCULATING FANS	ACTIVATE FIRE/SMOKE DAMPERS	SHUT DOWN ASSOCIATED FAN OR FIRE/SMOKE DAMPER ONLY	
RMS	A	В	С	D	E	F	G	н	I	J	к	L	М	И	0	Р	Q	R	s	Т	ι
T-TYPE SMOKE DETECTOR	x	х					x	x	х						х		x	х	х		
ER FLOW SWITCH	x	х					x	х	х						х		х	х	х		
UAL PULL STATION	x	х					x	x	х						х		x	х	х		
SORY SIGNALS	I	1			I	1	1	1			11						1	I	I	11	
E SUPERVISORY SWITCH			х	х			x	x			x										
T SMOKE DETECTOR			х	х			x	x			х									x	
CONDITIONS				I		1	I	I											I	1	I
BATTERY VOLTAGE					х	x	x	x		х											
UIT FAULT					x	x	x	x		х											
OWER FAILURE					х	x	x	x		х											
ER SYSTEM TROUBLES					x	x	x	x		х											
LEVEL AUTO DISABLE SWITCH					х	x	x	x		Х											
TROL COMPONENT COMMON TROUBLE CONDITION					х	x	x	x		Х											
TIFICATION	1	1	1	ı	1	1	1	1	1							1	1	1	1		<u>ı </u>
AL FROM MAIN BASE MONITORING CENTER												х			х		x				
AL PUSH BUTTON												х			х		x				
ED MICROPHONE												х			х		x				
S NOTIFICATION OVERRIDE OF FIRE ALARM													х								
TIFICATION	I	<u>I</u>	I	I	I	I	I	I	I		I					I	I	I	I	<u> </u>	L
BON MONOXIDE DETECTOR	x													х		x		x			

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GENERAL SHEET NOTES

THIS PROJECT INCLUDES THE INSTALLATION OF A NEW FIRE ALARM/MASS SYSTEM INCLUDING BUT LIMITED TO PANELS, NOTIFICATION DEVICES THROUGHOUT, TEXT SIGNS AT EXITS, AND INSTALLATION OF OTHER MONITORING/INITAION DEVICES.

- 2 THESE DOCUMENTS ARE FOR SUBMITTAL REVIEW AND COORDINATION AND MAY BE USED BY THE CONTRACTOR AS A DESIGN BASIS FOR INSTALLATION DRAWINGS. THE FIRE ALARM CONTRACTOR SHALL PROVIDE INSTALLATION DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- 3 CONTRACTOR IS RESPONSIBLE FOR FINAL INSTALLATION DESIGN, INCLUDING BATTERY AND VOLTAGE DROP CALCULATIONS, AND SHALL BE COORDINATED PRIOR TO FABRICATION. DESIGNER SHALL BE A MINIMUM NICET LEVEL III TECHNICIAN OR LICENSED FIRE PROTECTION ENGINEER AND SHALL OVERSEE THE INSTALLATION OF EQUIPMENT. MAJOR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR, ARCHITECT, AND ENGINEER OF RECORD FOR RESOLUTION.
- 4 THE FIRE ALARM CONTRACTOR SHALL COORDINATE WITH THE FIRE SPRINKLER CONTRACTOR AND OTHER TRADES FOR PROVISION OF CONNECTIONS BETWEEN THEIR RESPECTIVE SYSTEMS.
- 5 ALL MATERIALS ARE TO BE UL LISTED OR FM APPROVED FOR USE IN FIRE ALARM SYSTEMS UNLESS OTHERWISE ALLOWED BY CODE OR AHJ.
- 6 DESIGN, FABRICATION, INSTALLATION, AND TESTING SHALL BE IN ACCORDANCE WITH:
- A UNITED FACILITIES CRITERIA (UFC) 3-600-01, FIRE PROTECTION ENGINEERING FOR FACILITIES, 8 AUGUST 2016; CHANGE 4, 07 FEBRUARY 2020
- B NATIONAL FIRE PROTECTION ASSOCIATION 72 NATIONAL FIRE ALARM AND SIGNALING CODE, 2019.
- C HILL AIR FORCE BASE DESIGN GUIDE, LATEST EDITION.
- 7 COORDINATE TESTING WITH OTHER TRADES AND BASE PERSONNEL PRIOR TO ACTION.
- 8 ALL EXTERIOR DEVICES SHALL USE RECESSED BOXES AND CONDUIT.



