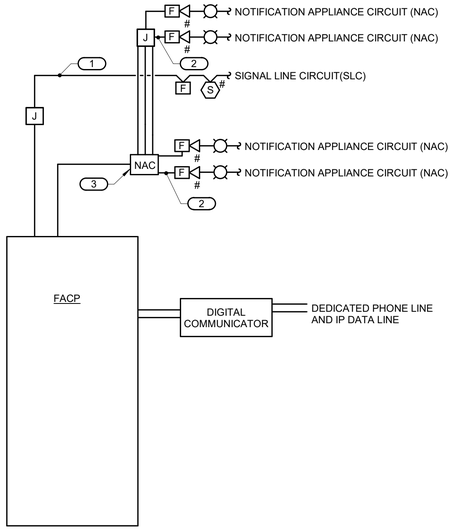
SYSTEM INPUTS / SEQUENCE OF OPERATION		PANEL/ANNUNCIATOR ALARM INDICATION	PANEL/ANNUNCIATOR SUPERVISORY INDICATION	PANEL/ANNUNCIATOR TROUBLE INDICATION	AUDIBLE ALARMS SEQUENCE	VISUAL ALARMS SEQUENCE
FIRE ALARM PANEL, TRANSPONDER, NAC PANEL LOW BATTERY			X			
FIRE ALARM PANEL, TRANSPONDER, NAC PANEL BATTERY OR CHARGER FAILURE				X		
FIRE ALARM PANEL, TRANSPONDER, NAC PANEL ABNORMAL SWITCH OR CONTROL POSITION.			X			
FIRE ALARM PANEL, TRANSPONDER, NAC PANEL GROUND FAULT, OPEN CIRCUIT, SHORT CIRCUIT				X		
FIRE ALARM PANEL, TRANSPONDER, NAC PANEL AC POWER LOSS OR IRREGULARITY				X		
NOTIFICATION APPLIANCE CIRCUIT OR SLC LOOP GROUND FAULT, OPEN CIRCUIT, SHORT CIRCUIT				X		
INITIATING DEVICE FAILURE OR COMMUNICATION ERROR				X		
FIRE ALARM PANEL MANUAL FIRE DRILL			X		X	X
MANUAL PULL STATION	FT F	X			X	X
SMOKE DETECTOR	S #/_ S #/_	X			X	X

NOTES:

1. ALL SYSTEM EVENTS SHALL BE LOGGED AND DISPLAYED ON THE ANNUNCIATOR INTERFACE, IF APPLICABLE. SEE SPECIFICATIONS FOR MORE INFORMATION AND DESCRIPTIONS OF SEQUENCES OF OPERATION.
2. TOTAL EVACUATION OF OCCUPANTS IS THE STANDARD OPERATING PROCEDURE FOR THIS FACILITY IN THE EVENT OF AN ALARM. ALL NOTIFICATION APPLIANCE CIRCUITS MUST BE INSTALLED AND PROTECTED IN ACCORDANCE WITH THE CIRCUIT SURVIVABILITY REQUIREMENTS DESCRIBED IN NFPA 72. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

1 FIRE ALARM OPERATION MATRIX

NO SCALE



NOTES:

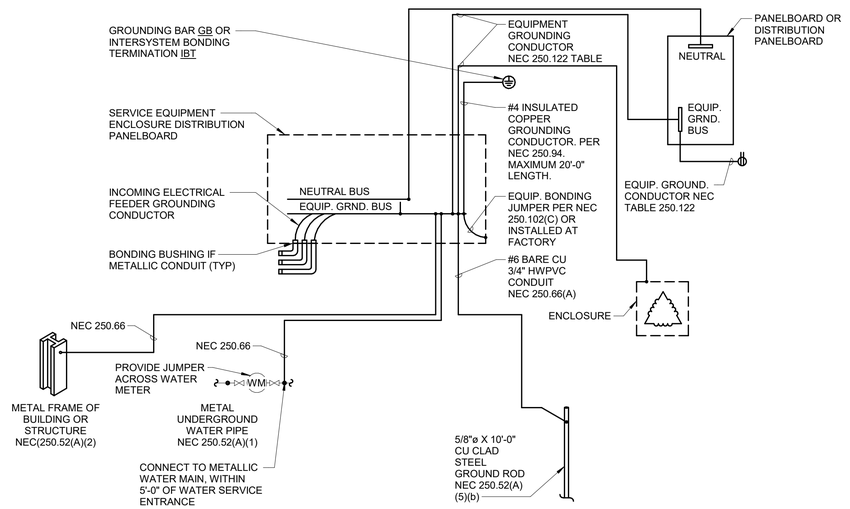
1. THE RISER DIAGRAM IS INTENDED TO CONVEY THE TYPES OF FIRE ALARM CONNECTIONS AND SPECIFICALLY DOES NOT INDICATE QUANTITIES, NUMBER OF CIRCUITS REQUIRED OR DISTANCES.
2. THE COMPLETE FIRE ALARM SYSTEM SHALL MEET ALL APPLICABLE CODES AND MANUFACTURER'S RECOMMENDATIONS.
3. CONTRACTOR SHALL COORDINATE ALL WIRE SIZES, TYPES AND REQUIREMENTS WITH THE VENDOR PRIOR TO BID. REFER TO SPECIFICATIONS TO DETERMINE CIRCUIT STYLES AND IF CONDUIT IS REQUIRED OR PLENUM RATED CABLE IS ACCEPTABLE.
4. ALL +120VAC WIRING REQUIRED FOR OPERATION OF THE SYSTEM AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
5. ALL NECESSARY RELAYS MAY NOT BE SHOWN ON THIS PLAN, BUT WHERE REQUIRED FOR PROPER OPERATION OF THE SYSTEM THEY SHALL BE PROVIDED BY THE CONTRACTOR.
6. PARTIAL EVACUATION OR RELOCATION OF OCCUPANTS IS THE STANDARD OPERATING PROCEDURE FOR THIS FACILITY IN THE EVENT OF AN ALARM. THEREFORE, ALL NOTIFICATION APPLIANCE CIRCUITS MUST BE INSTALLED AND PROTECTED IN ACCORDANCE WITH THE CIRCUIT SURVIVABILITY REQUIREMENTS DESCRIBED IN NFPA 72. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
7. ALL WIRING SHALL BE INSTALLED IN CONDUIT.
8. FIRE ALARM SYSTEM NEEDS TO GO OUT TO NATIONAL PARK SERVICES DISPATCH CENTER UTILIZING BOSCH 6600 RECEIVER.

KEYNOTES: (#)

1. REFER TO SPECIFICATION FOR REQUIREMENTS OF EACH INITIATION LOOP AND WIRING STYLE. REFER TO FLOOR PLANS FOR DEVICES AND THEIR LOCATIONS.
2. REFER TO SPECIFICATION FOR REQUIREMENTS OF EACH NOTIFICATION APPLIANCE CIRCUIT AND WIRING STYLE. REFER TO FLOOR PLANS FOR DEVICES AND THEIR LOCATIONS.
3. PROVIDE NOTIFICATION APPLIANCE EXTENDER PANELS AS REQUIRED. DETERMINATION OF NEED TO BE MADE BY FIRE ALARM VENDOR. REFER TO SPECIFICATIONS FOR REQUIREMENTS AND ACCEPTABLE MOUNTING LOCATIONS.

2 FIRE ALARM RISER

NO SCALE

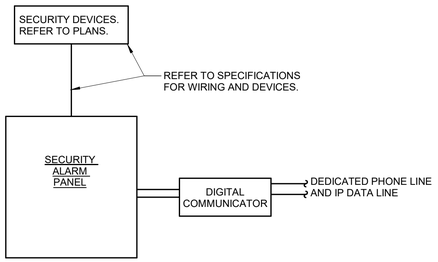


NOTES:

1. 1. REFER TO SPECIFICATION SECTION 26 05 26 GROUNDING AND BONDING.
2. LABEL ALL GROUND CONNECTIONS AT EQUIPMENT.

3 ELECTRICAL SYSTEM GROUNDING DETAIL

NO SCALE

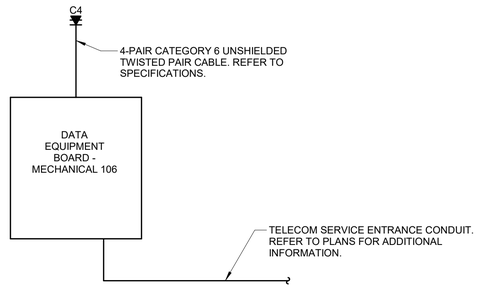


NOTES:

1. THE RISER DIAGRAM IS INTENDED TO CONVEY THE TYPES OF SECURITY ALARM CONNECTIONS AND SPECIFICALLY DOES NOT INDICATE QUANTITIES, NUMBER OF CIRCUITS REQUIRED OR DISTANCES.
2. CONTRACTOR SHALL COORDINATE ALL WIRE SIZES, TYPES AND REQUIREMENTS WITH THE VENDOR PRIOR TO BID. REFER TO SPECIFICATIONS TO DETERMINE CIRCUIT STYLES AND IF CONDUIT IS REQUIRED OR PLENUM RATED CABLE IS ACCEPTABLE.
3. ALL +120VAC WIRING REQUIRED FOR OPERATION OF THE SYSTEM AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
4. ALL WIRING SHALL BE INSTALLED IN CONDUIT.
5. SECURITY ALARM SYSTEM NEEDS TO GO OUT TO NATIONAL PARK SERVICES DISPATCH CENTER UTILIZING BOSCH 6600 RECEIVER.

4 SECURITY ALARM RISER

NO SCALE



NOTES:

1. THE RISER DIAGRAM IS INTENDED TO CONVEY THE TYPES OF COMMUNICATION CONNECTIONS AND SPECIFICALLY DOES NOT INDICATE QUANTITIES, NUMBER OF CIRCUITS REQUIRED OR DISTANCES.
2. ALL WIRING SHALL BE INSTALLED IN CONDUIT.

5 DATA AND COMMUNICATION RISER DIAGRAM

NO SCALE

CERTIFICATE OF AUTHORIZATION IMEG Consultants Corp. No. 4306 ARKANSAS

STATE OF ARKANSAS LICENSED PROFESSIONAL ENGINEER ASHLEE DOWNHAM No. 17885

10.27.2023

A/E FIRMS ARCH: **QUINN EVANS** 219 1/2 N. MAIN STREET ANN ARBOR, MI T: 734.663.5888 MEP/ENG: **IMEG CORP.** 1600 BALTIMORE STREET, SUITE 300 KANSAS CITY, MO T: 816.842.8457	DESIGNED: ZMB CADD: WMM TECH. REVIEW: PIP DATE: 10.27.2023	SUB SHEET NO. 02 E5.1	TITLE OF SHEET LIBBEY BATHHOUSE ELECTRICAL DETAILS REHABILITATE BATHHOUSES HOT SPRINGS NATIONAL PARK	DRAWING NO. 128 182951 PMIS/PKG NO. 318915 SHEET 249 OF 286

10/27/2023 11:50:29 AM