



Submittal #28 31 00-2.0 28 31 00 - Fire Alarm

McCarthy Building Companies Inc.
7930 Santa Fe Drive Suite 200
Overland Park, Kansas 66204
Phone: (913) 202-7002

Project: 003057.000 - Saint Luke's Continous Work Projects 2023
100 NE Saint Luke's Blvd,
Lees Summit, Missouri 64086

283100-2 Fire Alarm - Shop Drawing

SPEC SECTION: 28 31 00 - Fire Alarm	SUBMITTAL MANAGER: Joseph Locascio (McCarthy Building Companies Inc)
STATUS: Draft	DATE CREATED: 05/27/2023
ISSUE DATE:	REVISION: 0
RESPONSIBLE CONTRACTOR:	RECEIVED FROM:
RECEIVED DATE:	SUBMIT BY:
FINAL DUE DATE: 08/24/2023	LOCATION:
TYPE: Shop Drawing	COST CODE:
CRITICAL: No	
APPROVERS: Nadia Opalenik (McCarthy Building Companies Inc), Brian Dostal (ACI Boland Inc), Shari McConnell (IMEG Corp)	
BALL IN COURT:	

DISTRIBUTION:

DESCRIPTION:

B. Shop Drawings: 1. Shop Drawings shall be prepared by persons with the following qualifications: a. Trained and certified by manufacturer in fire alarm system design. b. Fire alarm certified by NICET, minimum Level III. 2. System Operation Description: Detailed description for this Project, including method of operation and supervision of each type of circuit and sequence of operations for manually and automatically initiated system inputs and outputs. Manufacturer's standard descriptions for generic systems are not acceptable. 3. Device Address List: Coordinate with final system programming. 4. System riser diagram with device addresses, conduit sizes, and cable and wire types and sizes. 5. Wiring Diagrams: Power, signal, and control wiring. Include diagrams for equipment and for system with all terminals and interconnections identified. Show wiring color code. 6. Batteries: Specifications. 7. Duct Smoke Detectors: Performance parameters and installation details for each detector, verifying that each detector is listed for the complete range of air velocity, temperature, and humidity possible when air-handling system is operating. 28 31 00 - 2 FIRE ALARM

ATTACHMENTS:

This review is for general conformance with Plans and Specifications only. Any deviations from same not clearly noted by the Preparer have not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the Preparer of contractual responsibility for any error or deviation from contract requirements.

SUBMITTAL WORKFLOW

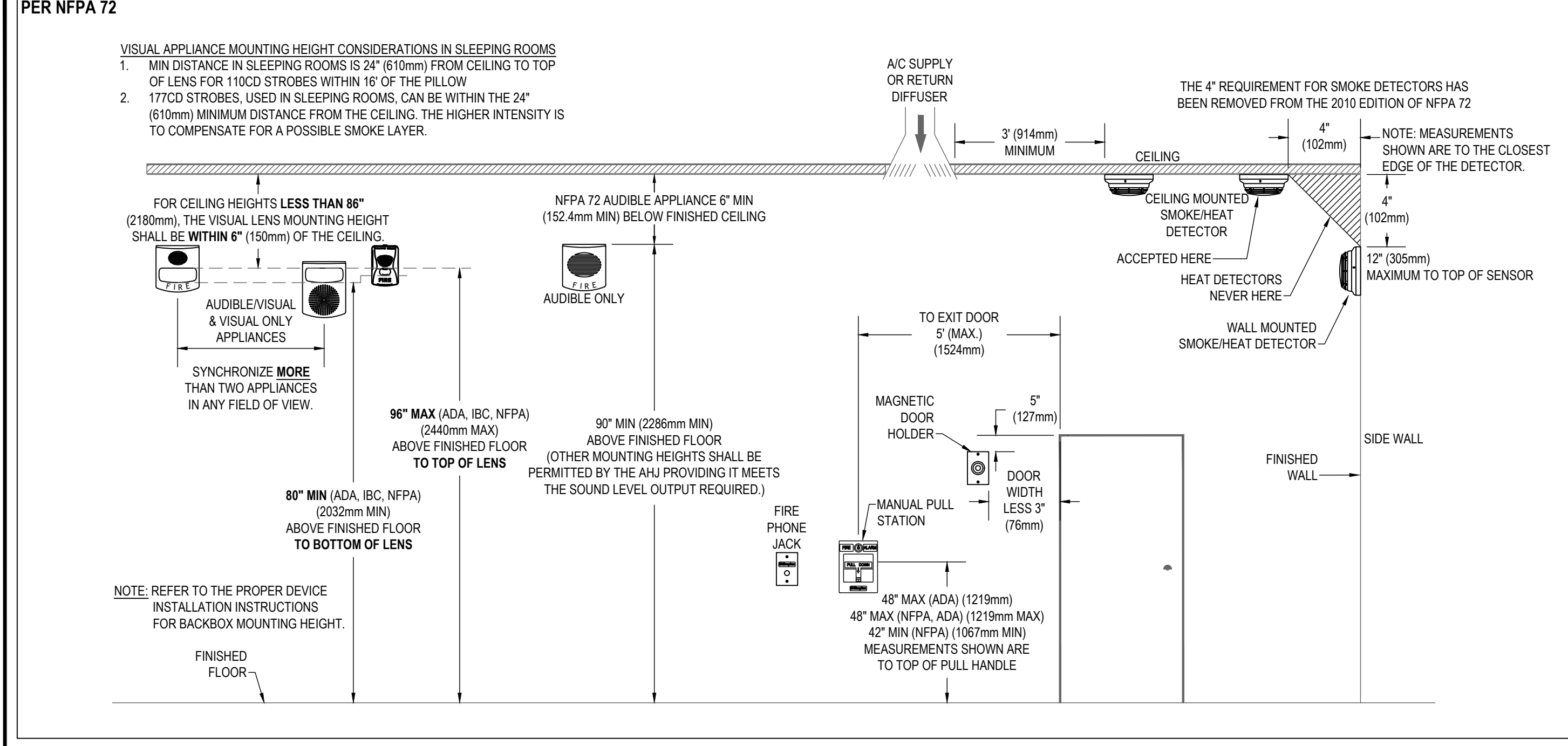
#	NAME	SUBMITTER/ APPROVER	SENT DATE	DUE DATE	RETURNED DATE	RESPONSE	ATTACHMENTS
1	Paul Dame	Submitter		8/10/2023	7/27/2023	Submitted	SLE_Nuc_Med_Spect_CT_Dwgs.pdf
COMMENTS:							
2	Nadia Opalenik	Approver		8/10/2023		Pending	
COMMENTS:							
3	Brian Dostal	Approver		8/24/2023		Pending	
COMMENTS:							
4	Shari McConnell	Approver		8/24/2023		Pending	
COMMENTS:							



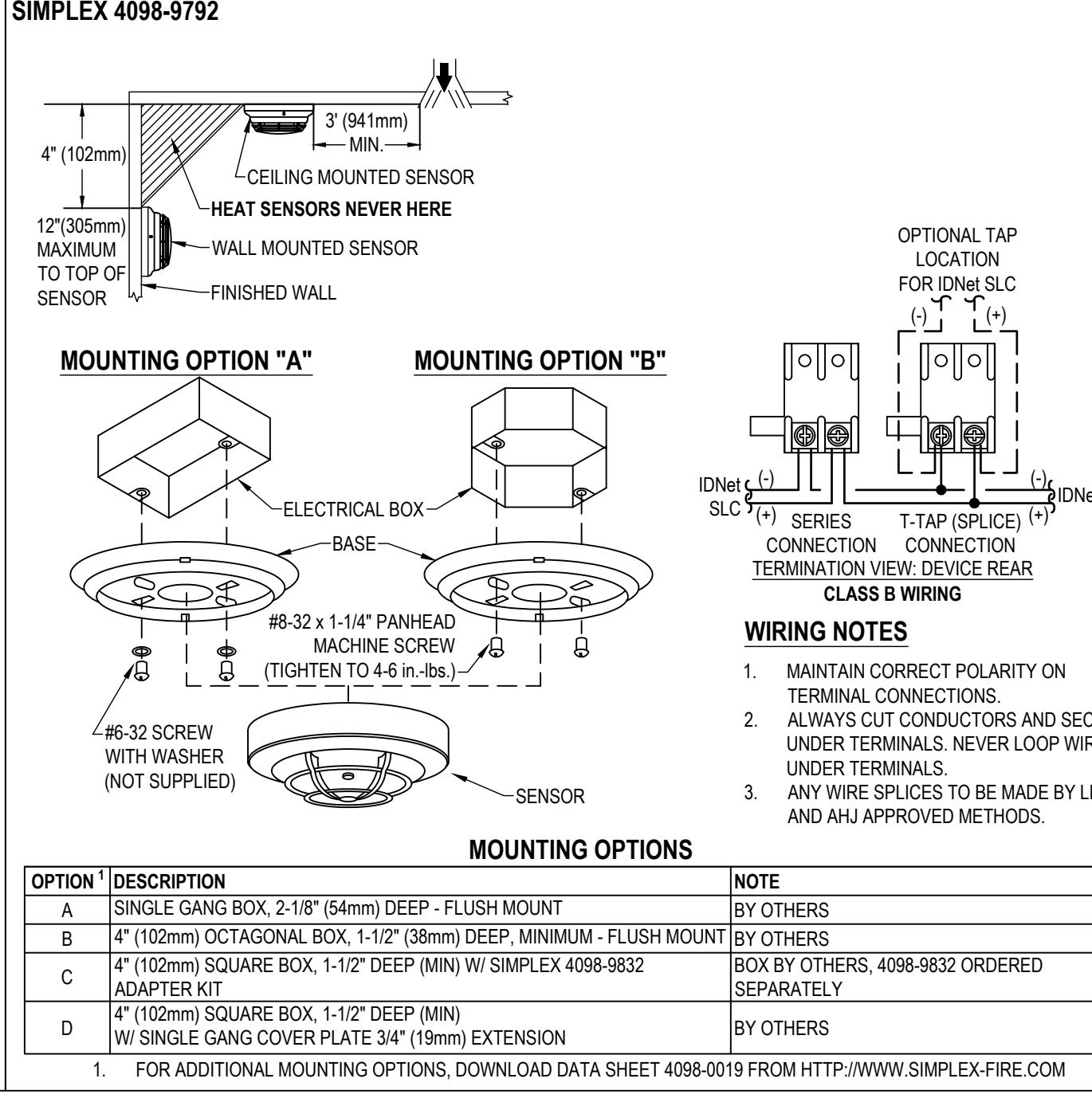
**Submittal #28 31 00-2.0
28 31 00 - Fire Alarm**

BY _____ **DATE** _____ **COPIES TO** _____

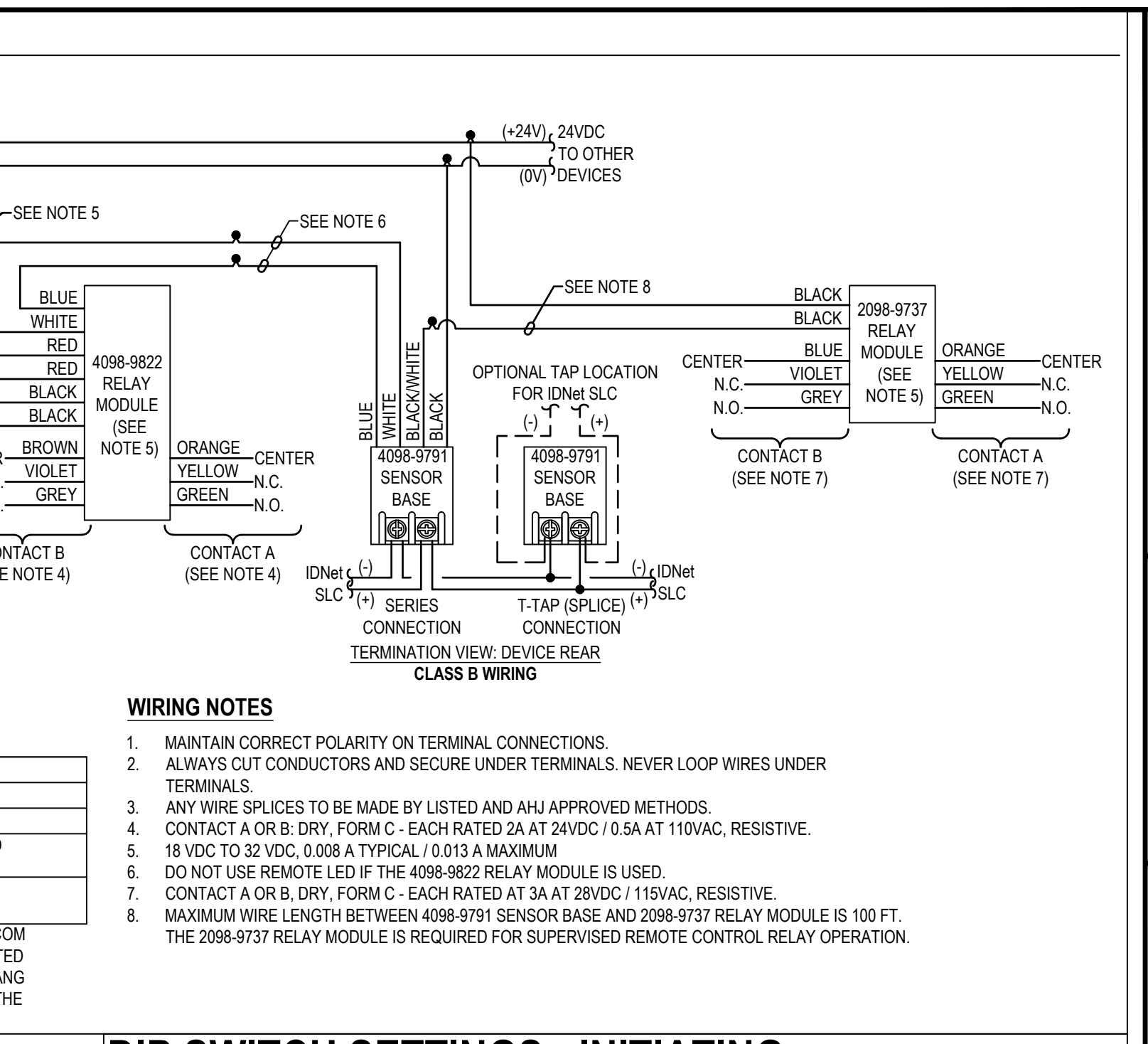
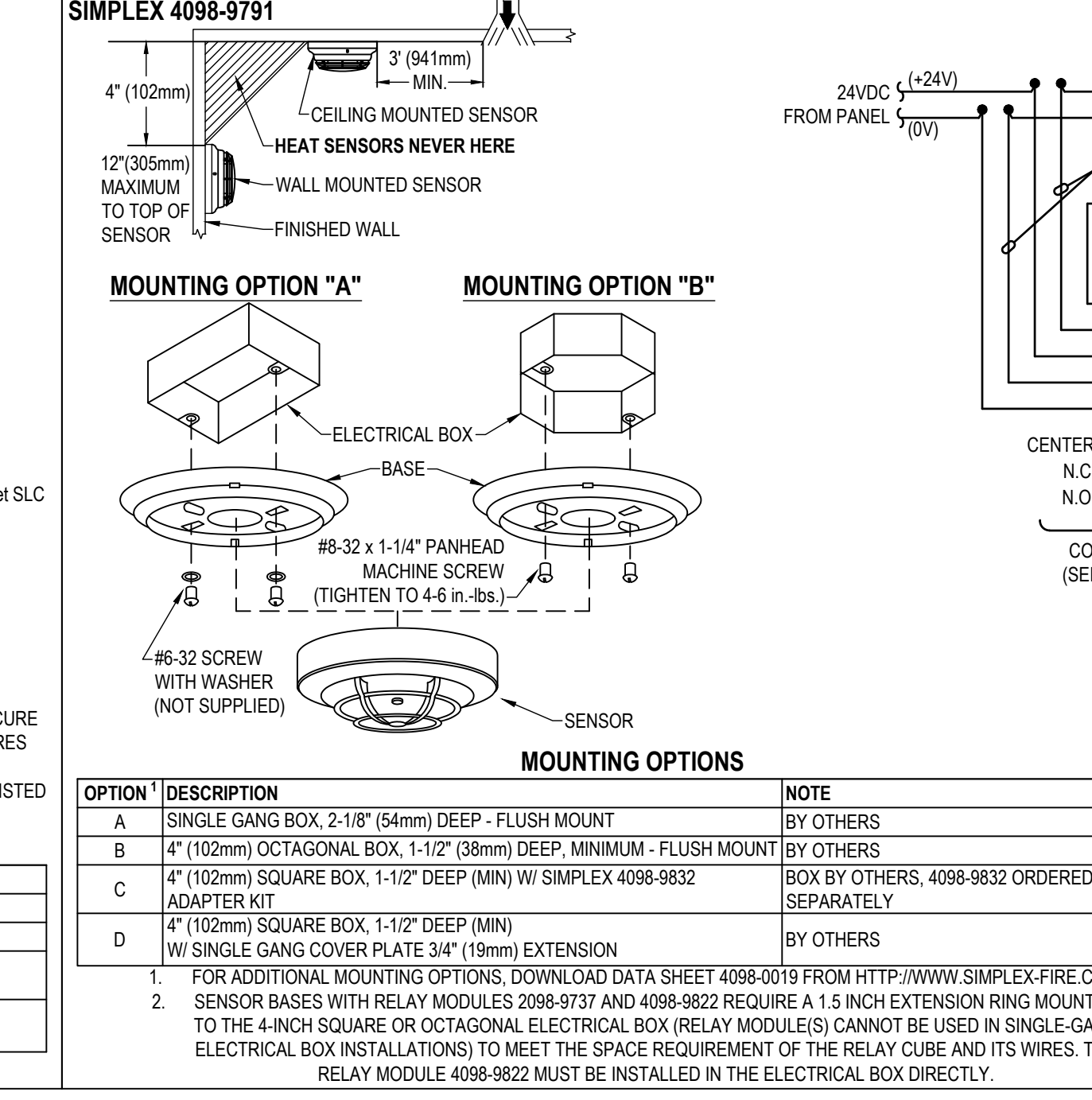
DEVICE MOUNTING HEIGHT REFERENCE



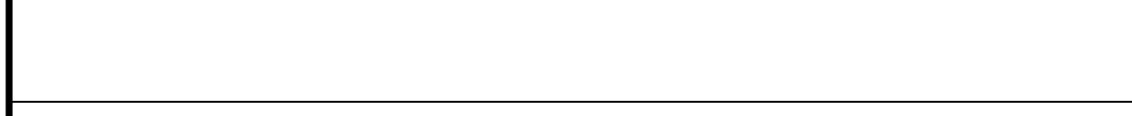
STANDARD SENSOR BASE



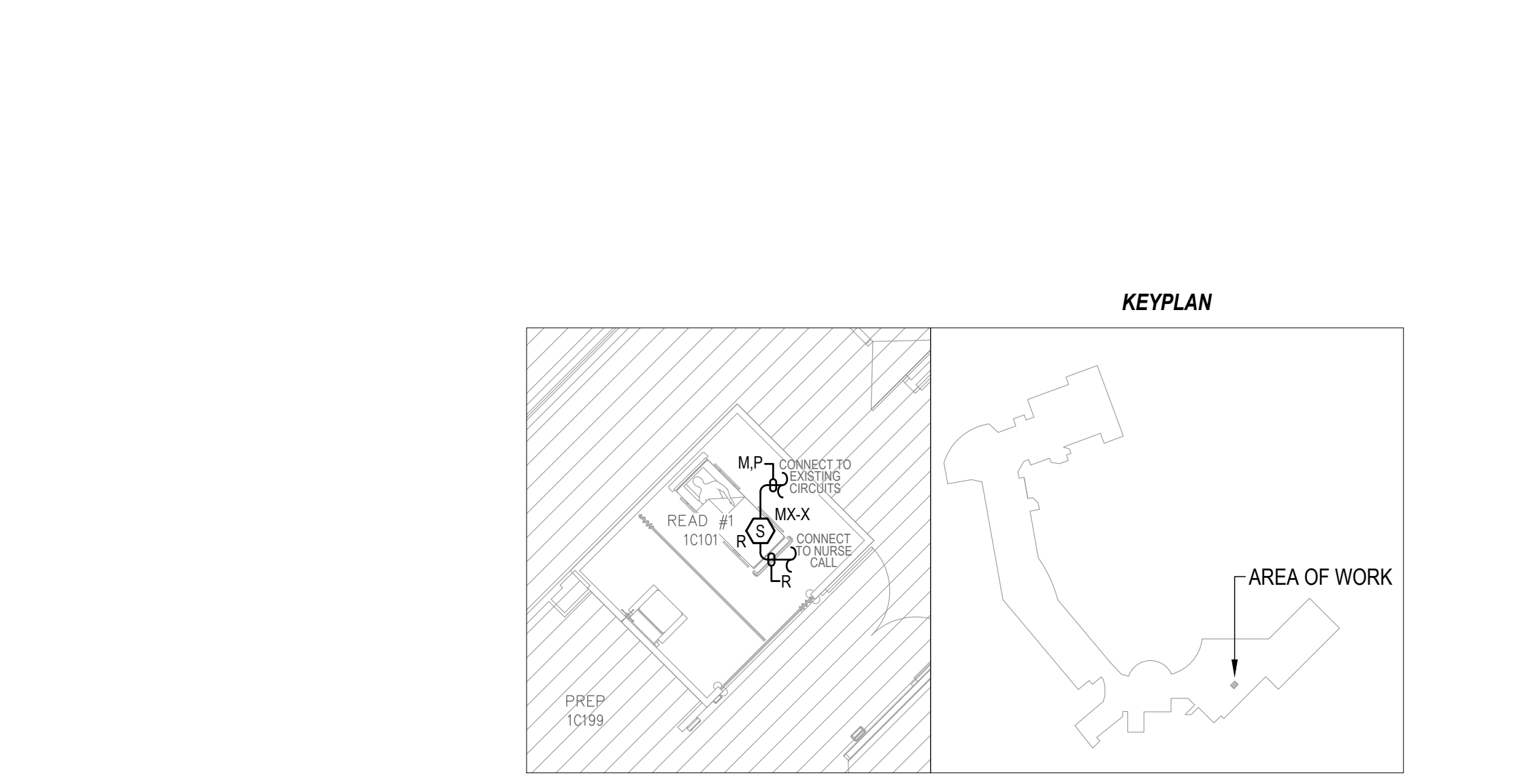
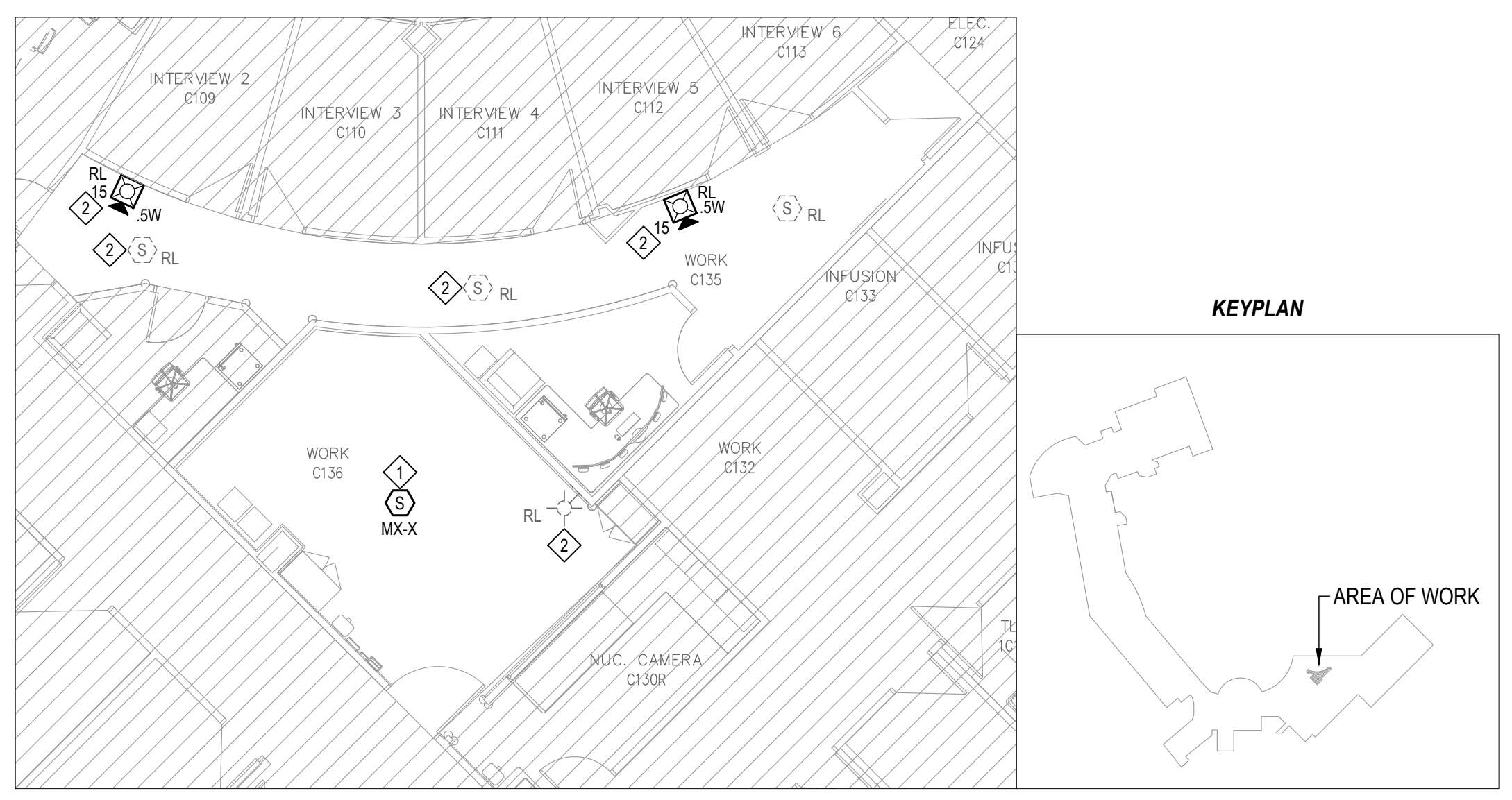
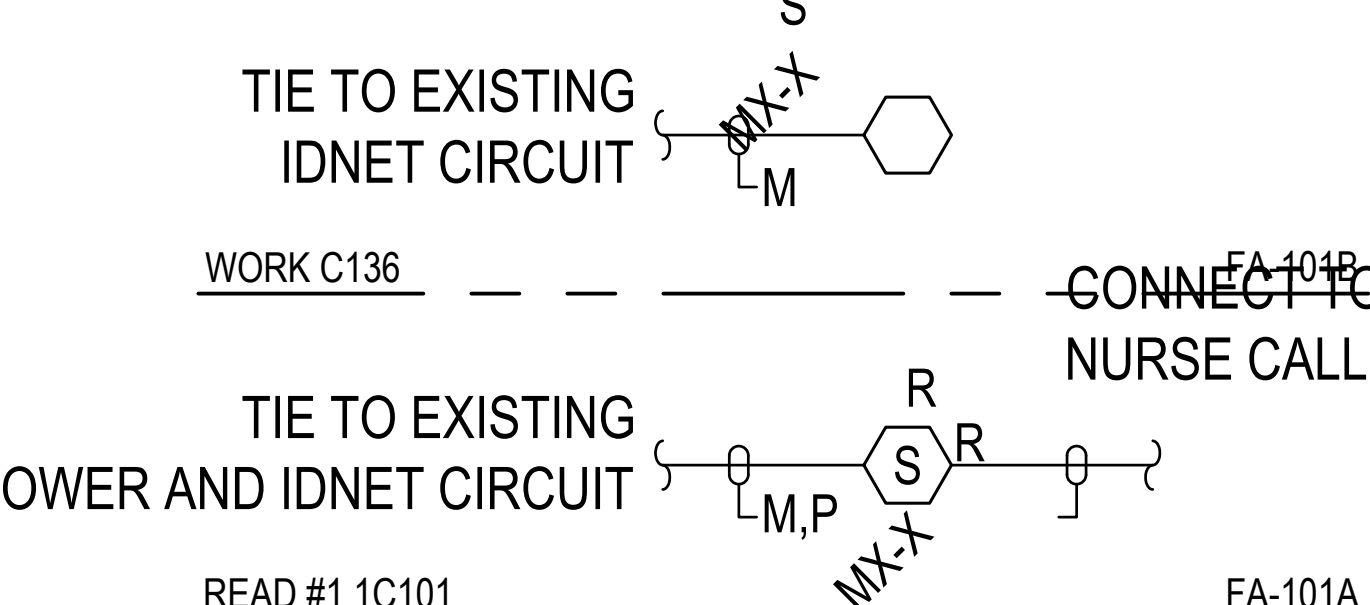
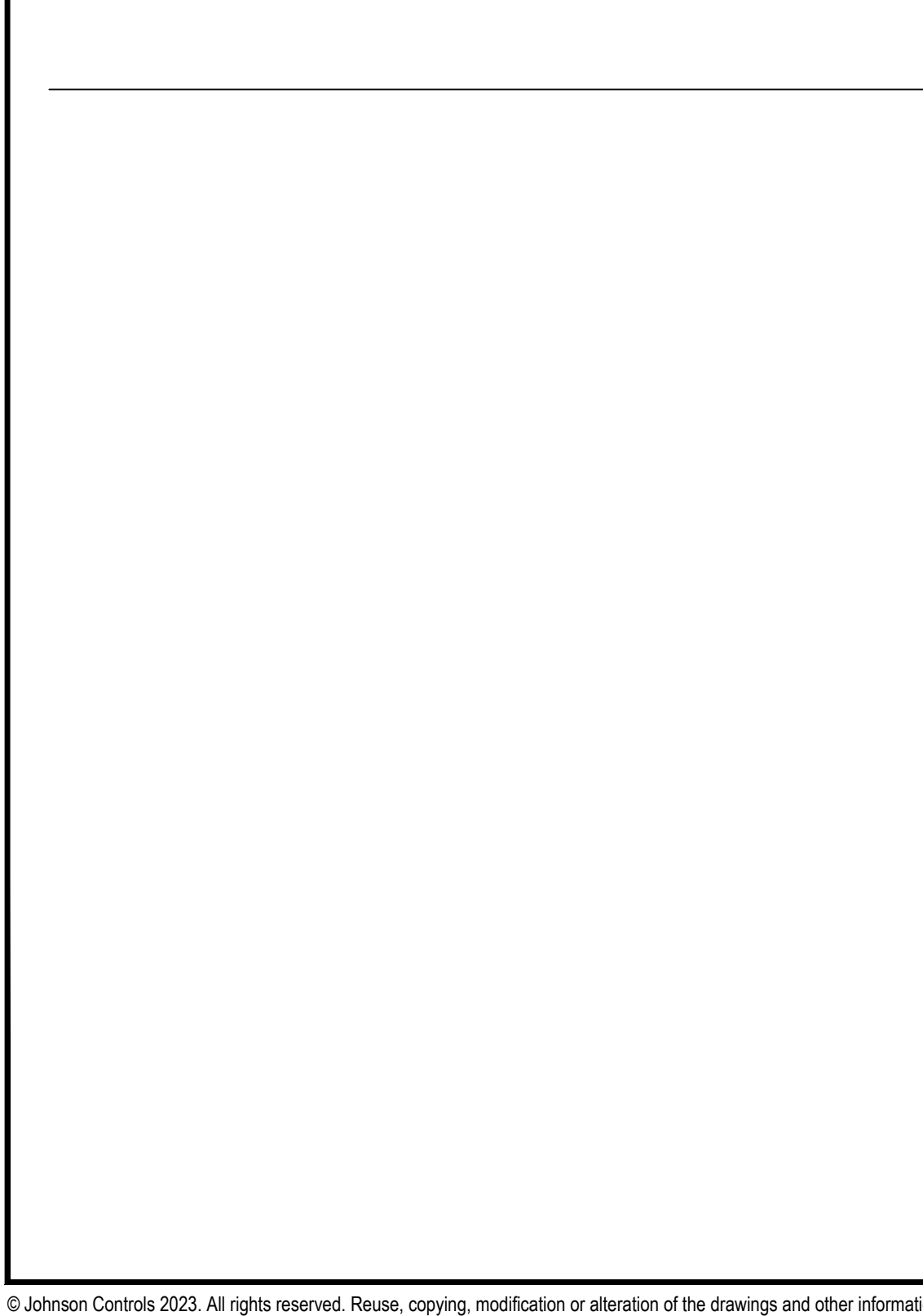
SENSOR BASE WITH RELAY



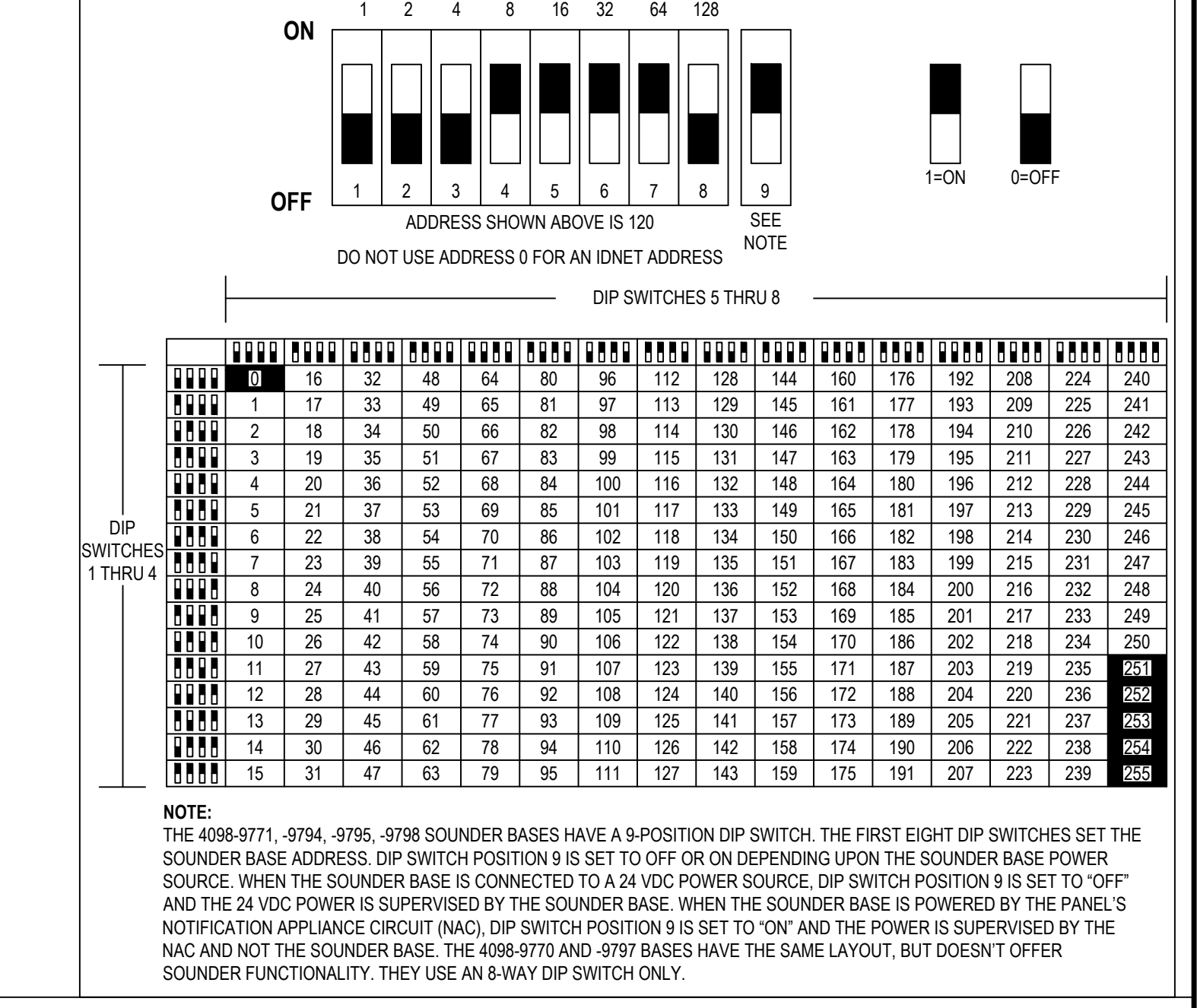
FA-101D WIRING TYPICALS



FA-101C RISER DIAGRAM



DIP SWITCH SETTINGS - INITIATING



RISER NOTES:

- RISER IS A DIAGRAMMATICAL REPRESENTATION OF THE SYSTEM ARCHITECTURE IN BUILDING CROSS SECTION. IT IS NOT INTENDED TO REPRESENT ACTUAL WIRE RUNS, PANEL CONFIGURATIONS OR PENETRATIONS. REFER TO FLOOR PLANS AND PANEL DETAILS FOR CIRCUIT ROUTING AND CONFIGURATION INFORMATION.
- ALL WIRING SHALL COMPLY WITH APPLICABLE ELECTRICAL CODES. REFER TO APPLICABLE CODES & STANDARDS ON SHEET FA-001 FOR SPECIFIC CODE REFERENCES.

GENERAL NOTES:

- ALL CEILINGS ARE ASSUMED TO BE 10' A.F.F. SMOOTH CONSTRUCTION UNLESS NOTED OTHERWISE.
- TAP ALL SPEAKERS AT 0.5W UNLESS NOTED OTHERWISE.
- SET ALL SPEAKER VOLTAGE JUMPERS TO THE 70V SETTING.
- ALL NOTIFICATION APPLIANCE CANDLEA INTENSITY PLUS SHALL RETAIN THEIR FACTORY SETTING OF 'FACP' UNLESS OTHERWISE DIRECTED BY THE AUTHORITY HAVING JURISDICTION.
- DO NOT CHANGE DEFAULT APPLIANCE CONFIGURATION SWITCH SETTINGS ON ADDRESSABLE AV DEVICES (CFG1). REFER TO DEVICE DETAILS AND INSTALLATION INSTRUCTIONS FOR MORE INFORMATION.
- THE DEVICE ADDRESSES INDICATED ON THESE DRAWINGS ARE AN ALPHANUMERIC DESCRIPTION OF WHICH CIRCUIT THE DEVICE IS LOCATED ON. DEVICES MAY BE ASSIGNED A DIFFERENT NUMBER WITHIN THE PANEL PROGRAM. CONSULT WITH A JOHNSON CONTROLS TECHNICIAN BEFORE APPLYING A PHYSICAL LABEL TO ANY DEVICES.
- VERIFY ALL CIRCUITS, LOADS, AND ADDRESSES INCLUDING EXISTING AND RELOCATED DEVICES TO WHICH NEW DEVICES ARE CONNECTED. DOCUMENT INFORMATION ON PLANS AND CHART FOUND ON FA-001 UNDER CALCULATIONS.

KEYNOTES:

- TIE TO NEAREST EXISTING DEVICE ON EXISTING IDNET CIRCUIT.
- EXISTING FIRE ALARM DEVICE TO BE REMOVED, TEMPORARILY STORED AND RE-INSTALLED DURING NEW CEILING WORK.