



AUTUMN PELATA

SHEET: FA-0-1

WHEN USING OTHER MANUFACTURE, ENSURE PROPER CROSS REFERENCE
 CLUSION OF WET AND CIRCUIT INTEGRITY REQUIREMENTS

PROJECT CONTACT INFORMATION:

NOTES:

- ** STRIPES ARE NOT REQUIRED, HOWEVER IT DOES MAKE IT EASIER FOR CIRCUIT IDENTIFICATION.
- 1- WIRE MANUFACTURER IS FOR REFERENCE PURPOSE ONLY. WHEN USING OTHER MANUFACTURE, ENSURE PROPER CROSS REFERENCE
- 2- FPLP CAN BE USED IN MOST ALL APPLICATIONS WITH THE EXCLUSION OF WET AND CIRCUIT INTEGRITY REQUIREMENTS
- 3- INSTALL WIRING PER NEC. USE CABLE TYPE CONSISTENT WITH NEC REQUIREMENTS, IE: PLENUM, RISER, UNDERGROUND, ETC.
- 4- THE "Y" FIBER OPTIC CABLE LISTED IS A BELDEN CABLE PART NUMBER AS WEST PENN NO LONGER SUPPORTS FIBER OPTIC CABLE
- 5- THIS CABLE MUST BE INSTALLED IN A CONTINUOUS PATH POINT-TO-POINT. ABSOLUTLEY NO SPLICES ARE ALLOWED.
- 6- THIS IS A SPECIFIC CABLE, NO ALTERNATES ARE ALLOWED

CLASS A OR B NOTIFICATION WIRING

TWISTED PAIR, SHIELDED WIRE
 16AWG - 82p/FT & 4.02 OHMS/1000 FEET
 18AWG - 58p/FT & 6.38 OHMS/1000 FEET
 DETECTORS ONLY 16AWG - 125 DETECTORS - 6,098'
 MODULES ONLY 16AWG - 125 MODULES - 6,098'
 DETECTORS AND MODULES 16AWG - 125 OF EACH - 3,608'
 DETECTORS ONLY 18AWG - 125 DETECTORS - 5,839'
 MODULES ONLY 18AWG - 125 MODULES - 4,986'
 DETECTORS AND MODULES 18AWG - 125 OF EACH - 2,271'



Diagram illustrating the installation of a fire alarm system, showing various components and their mounting requirements:

- CONDUIT:** Run along the ceiling, with a note: "INSTALL PER NATIONAL ELECTRIC CODE".
- SMOKE/HEAT DETECTOR:** Mount on an approved box. Minimum clearance from wall: 0'-4" MINIMUM. Minimum clearance from other detector: 3'-0" MINIMUM.
- AIR SUPPLY DIFFUSER OR RETURN AIR OPENING:** Mount on an approved box.
- HORN/STROBE OR STROBE:** Mount on an approved box. Minimum clearance from wall: 0'-6" MINIMUM. Minimum clearance from other detector: 0'-4" MINIMUM. Minimum clearance from other detector: 1'-0" MINIMUM.
- SPEAKER:** Mount on an approved box.
- CONTROL PANEL:** Mount on a wall. Minimum clearance from wall: 3'-5" (3'-4" MINIMUM, 4'-6" MAXIMUM). Minimum clearance from other detector: 6'-0".
- POWER SUPPLY:** Mount on a wall.
- MANUAL PULL STATION (DOUBLE ACTION TYPE):** Mount on a wall. Minimum clearance from wall: 5'-0" MAXIMUM. Minimum clearance from other detector: 3'-5" (3'-4" MINIMUM, 4'-6" MAXIMUM).
- HINGED SIDE:** Indicated for the manual pull station.
- 90° MAXIMUM TOP OF DEVICE:** Requirement for the horn/strobe or strobe.
- 80" MINIMUM CENTER OF DEVICE:** Requirement for the horn/strobe or strobe.
- FINISHED FLOOR:** Indicated at the bottom of the diagram.

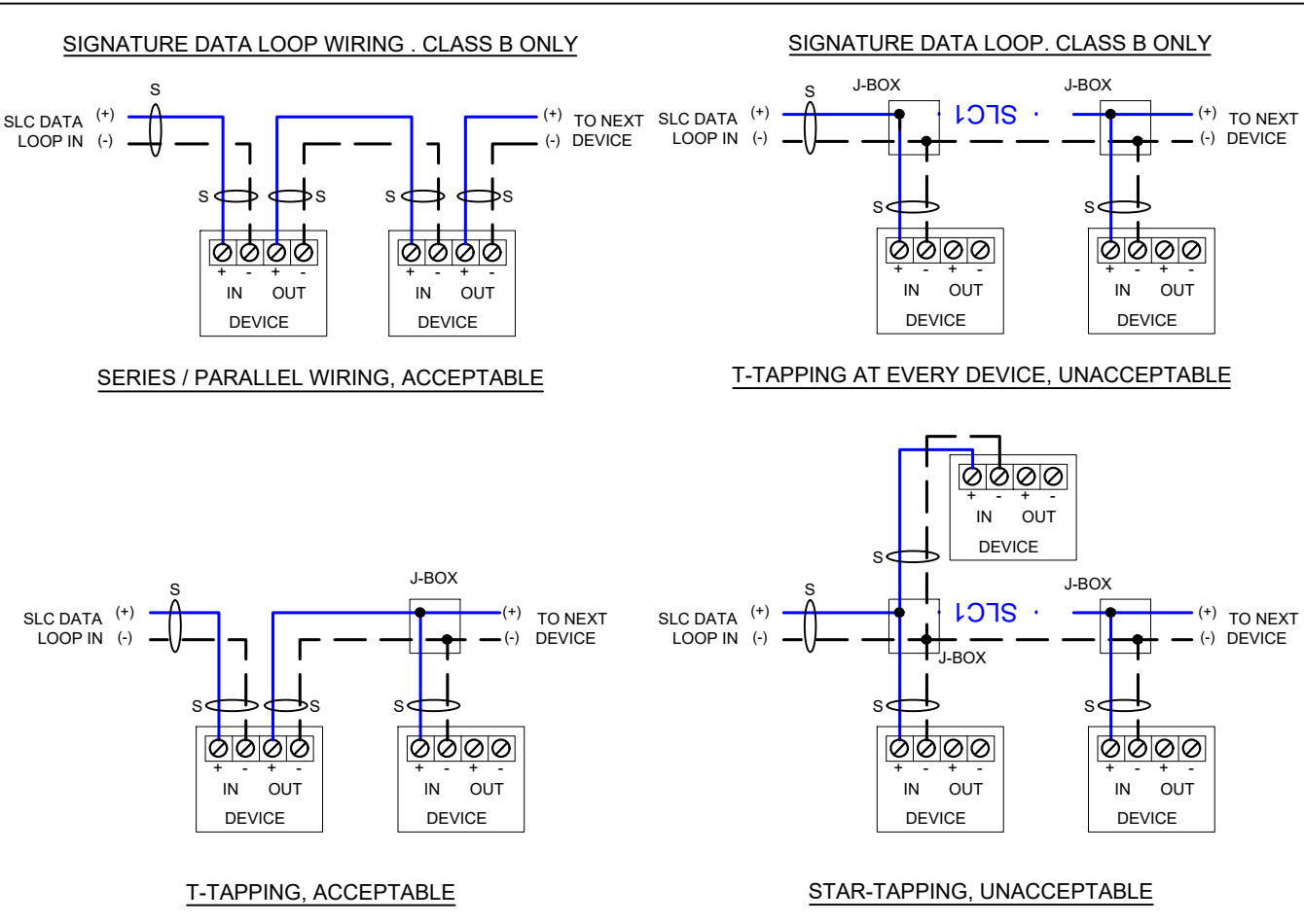
* DEVICES SHOWN DEPICT DEVICE TYPES ONLY.

NFPA 72 AND ADA DEVICE INSTALLATION REQUIREMENTS

1. WHEN MAXIMUM CABLE, ENCLOSURE, OR RACEWAY IS LESS THAN 10 FEET. NO LIMIT TO NUMBER OF DEVICES.
2. UNLIMITED CONDUIT OR RACEWAY DROP TO AN INDIVIDUAL DEVICE.
3. UNLIMITED CONDUIT OR RACEWAY DROP TO A ROOM NOT EXCEEDING 1000 SQ. FT. NO LIMIT TO THE NUMBER OF DEVICES.

THIS INFORMATION SHALL BE NEAT AND LEGIBLE WHEN PRESENTED TO THE TECHNICIAN AT THE CONCLUSION OF THE PROJECT. PLEASE NOTE CONTACT INFORMATION ON DRAWINGS FOR INDIVIDUALS WITH FAMILIARITY OF INSTALLATION IN THE EVENT QUESTIONS ARISE DURING THE CLOSEOUT PROCESS.

EXAMPLE: 1.0 AMP CIRCUIT LOAD USING #14 WIRE = 409 FEET MAXIMUM



ALARM SYSTEM INPUTS									
SMOKE DETECTOR	✓	✓	✓	✓	✓	✓	✓	✓	✓
MANUAL PULL STATION	✓	✓	✓	✓	✓	✓	✓	✓	✓
SPRINKLER WATERFLOW	✓	✓	✓	✓	✓	✓	✓	✓	✓
HEAT DETECTOR	✓	✓	✓	✓	✓	✓	✓	✓	✓
FUME HOOD	✓	✓	✓	✓	✓	✓	✓	✓	✓
C.O. DETECTOR	✓	✓	✓	✓	✓	✓	✓	✓	✓
SUPERVISORY SYSTEM INPUTS									
DUCT SMOKE DETECTOR	✓	✓	✓	✓					✓
SPRINKLER TAMPER SWITCH	✓	✓	✓	✓					
TROUBLE SYSTEM INPUTS									
LOSS OF AC POWER		✓	✓	✓	✓			✓	
CHARGER FAILURE		✓	✓	✓	✓				
LOW BATTERY		✓	✓	✓	✓				
OPEN CIRCUIT		✓	✓	✓	✓				
GROUND FAULT		✓	✓	✓	✓				
FAACP FUNCTIONS									
ACTIVATION OF SYSTEM SILENCE		✓	✓		✓				
RESTORATION OF SYSTEM TO NORMAL		✓		✓					✓
ELEVATOR RECALL									
FIRST FLOOR ELEVATOR LOBBY SMOKE	✓		✓		✓	✓	✓	✓	
2ND & UP ELEVATOR LOBBY SMOKE	✓		✓		✓	✓	✓	✓	
ELEVATOR SHAFT OR MACH. ROOM SMOKE	✓		✓		✓	✓	✓	✓	
MACHINE ROOM & TOP OF SHAFT HEAT	✓		✓		✓	✓	✓	✓	
BOTTOM OF SHAFT HEAT	✓		✓		✓	✓	✓	✓	

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STEM BUILDING
1601 39th Avenue SE
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REV #	DESCRIPTION	DATE	BY
-	ISSUED FOR PERMIT	12/28/2022	APL
Rev#1	Description	date	By
Rev#	Description	date	By
Rev#	Description	date	By
Rev#	Description	date	By
Rev#	Description	date	By

CALE: As Shown

REPAIRED BY: APL

CHECKED BY: RM

DATE: 01/30/2023

TITLE:

PROJECT NOTES

HEET:

A-0-2



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SCALE: As Shown

PREPARED BY: APL

CHECKED BY: RM

DATE: 01/30/2023

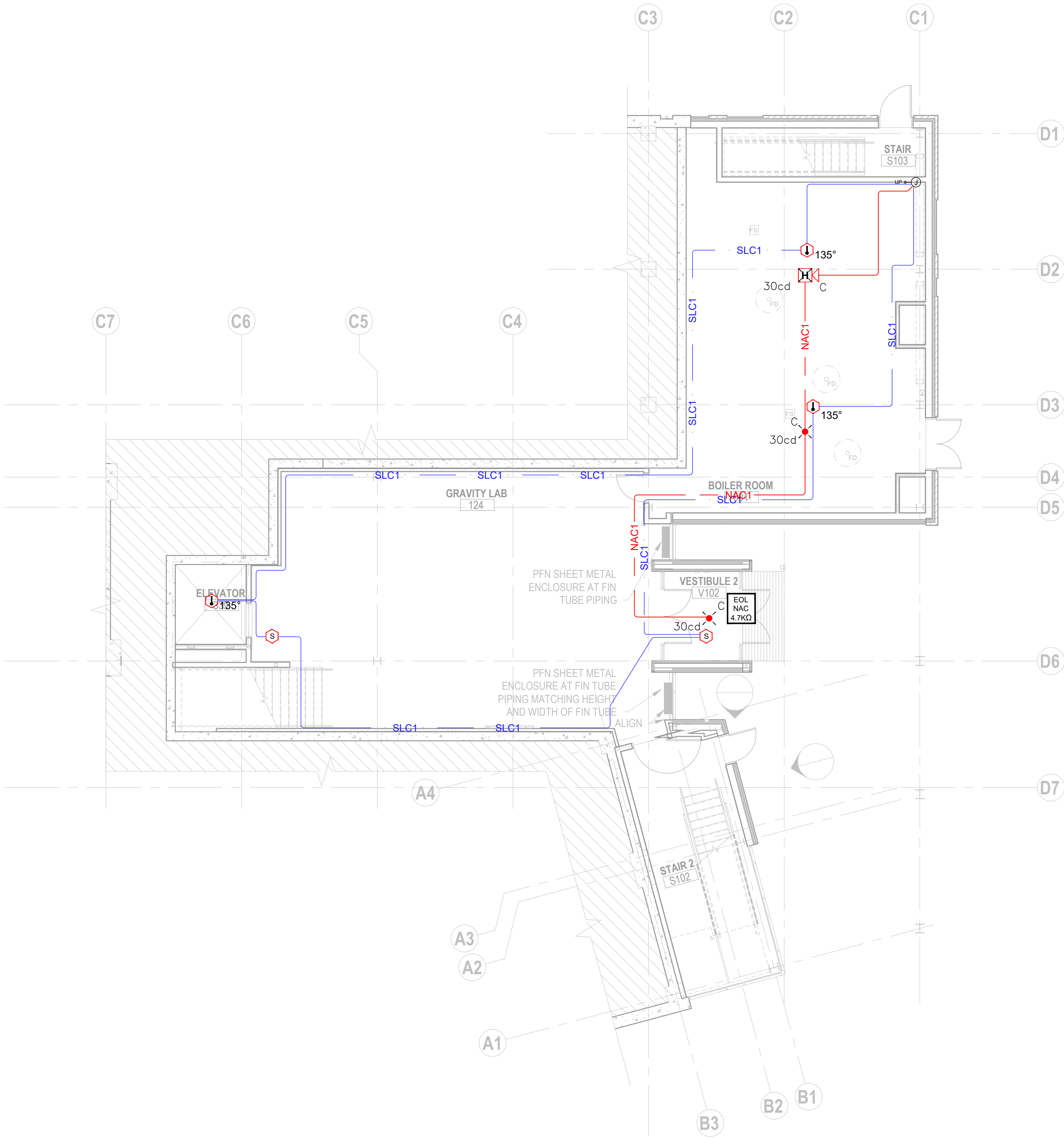
PROJECT NO: 281716084

TITLE:

0 FLOOR PLAN (Basement)

SHEET:

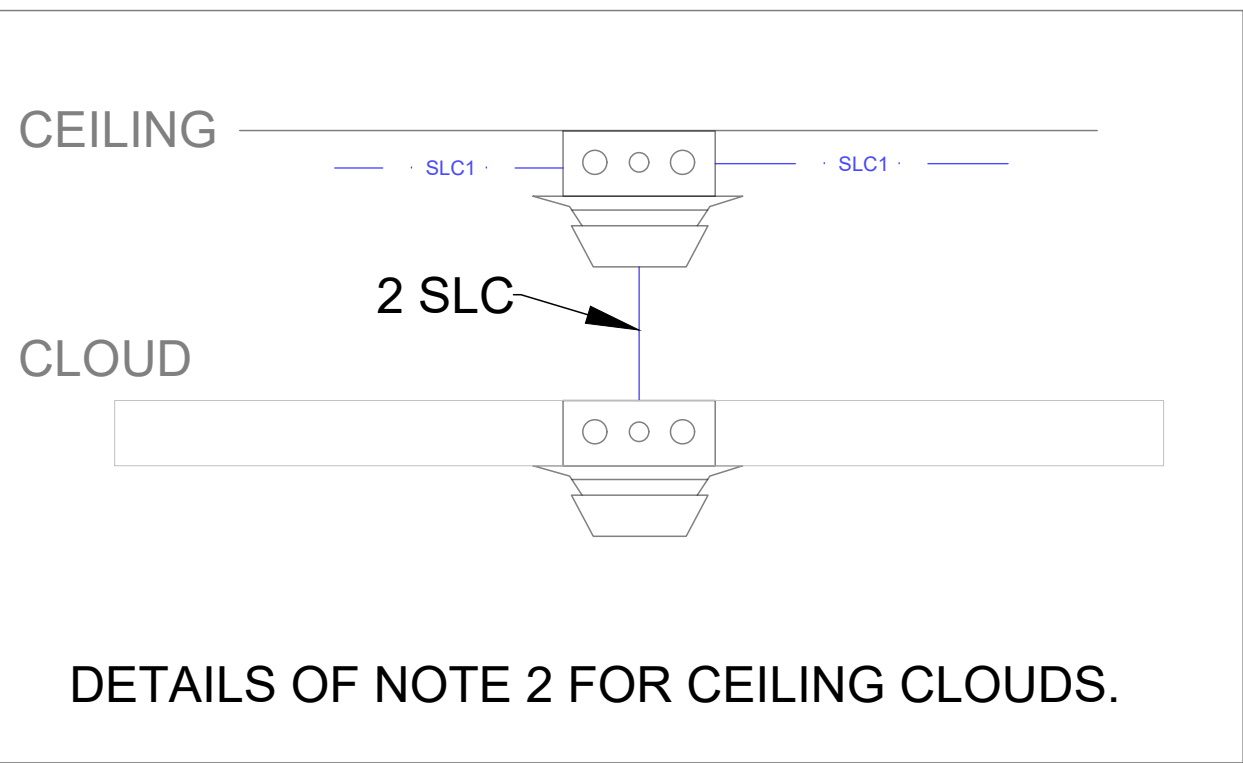
FA-1-0



01 Fire Alarm Plan— 0 FLOOR (Basement)

Scale: 1/8" = 1'0"





NOTE:

1. All CEILING MOUNT DEVICES TO BE MOUNTED CENTER OF TILE WHERE APPLICABLE.
2. SMOKE DETECTORS LOCATED ABOVE CLOUDS NOT SHOWN ON PLAN, TO BE LOCATED DIRECTLY ABOVE SMOKE IN CLOUD.
3. NOTE SEVEN SMOKE DETECTORS SHALL BE WALL MOUNTED AS PER END USER'S REQUEST.



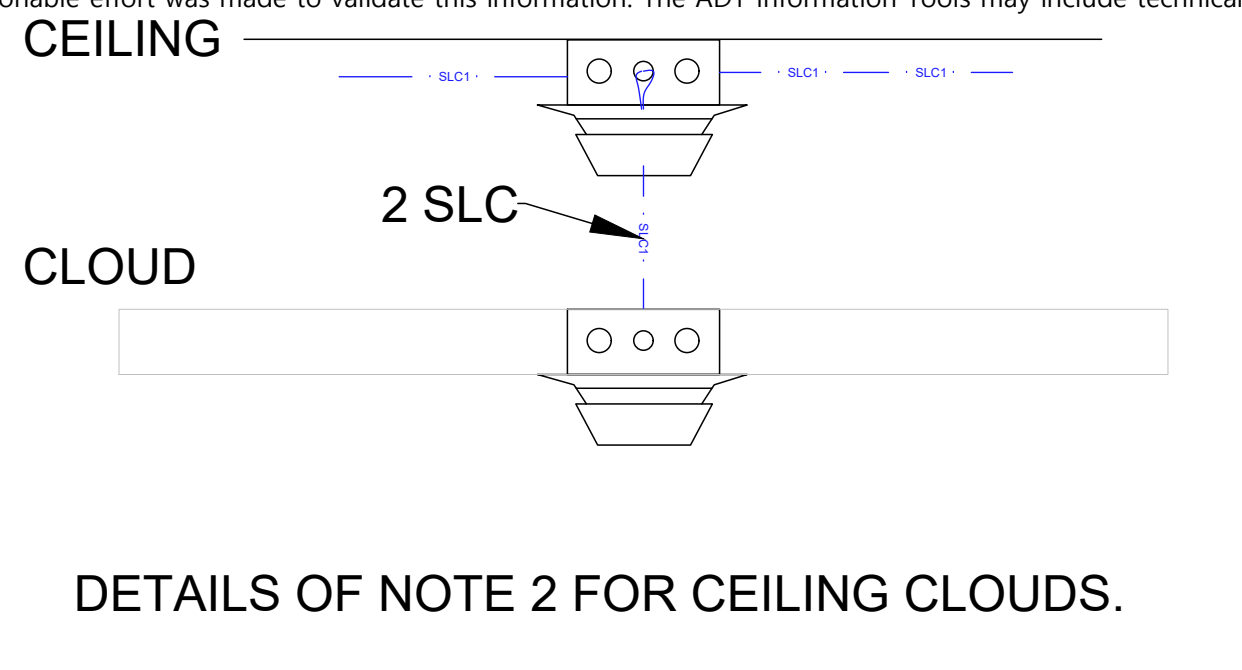
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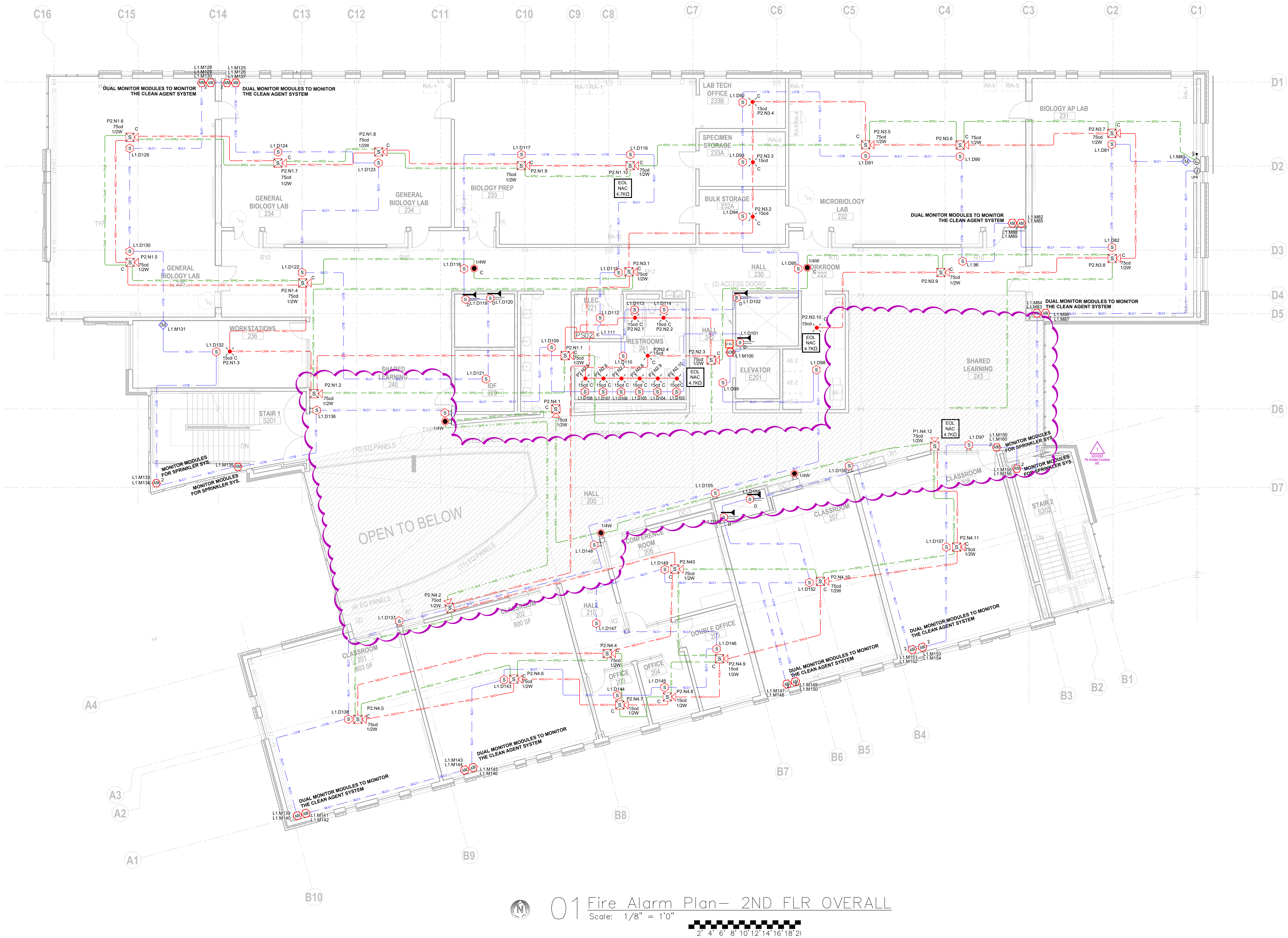
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Rev#	Description	date	By
Rev#	Description	date	By
Rev#	Description	date	By

SCALE:	As Shown
PREPARED BY:	APL
CHECKED BY:	RM
DATE:	01/30/2023
PROJECT NO:	281716084
TITLE:	1ST FLOOR PLAN

SHEET:
FA-1-1



- NOTE:**
1. MOUNT CEILING DEVICES CENTER OF TILE WHERE APPLICABLE.
 2. SEVEN SMOKE DETECTORS TO BE WALL MOUNTED AS PER ARCHITECT.



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Rev#3		Rev#3	Description	date	By
Rev#4		Rev#4	Description	date	By
Rev#5		Rev#5	Description	date	By

SCALE: As Shown

PREPARED BY: APL

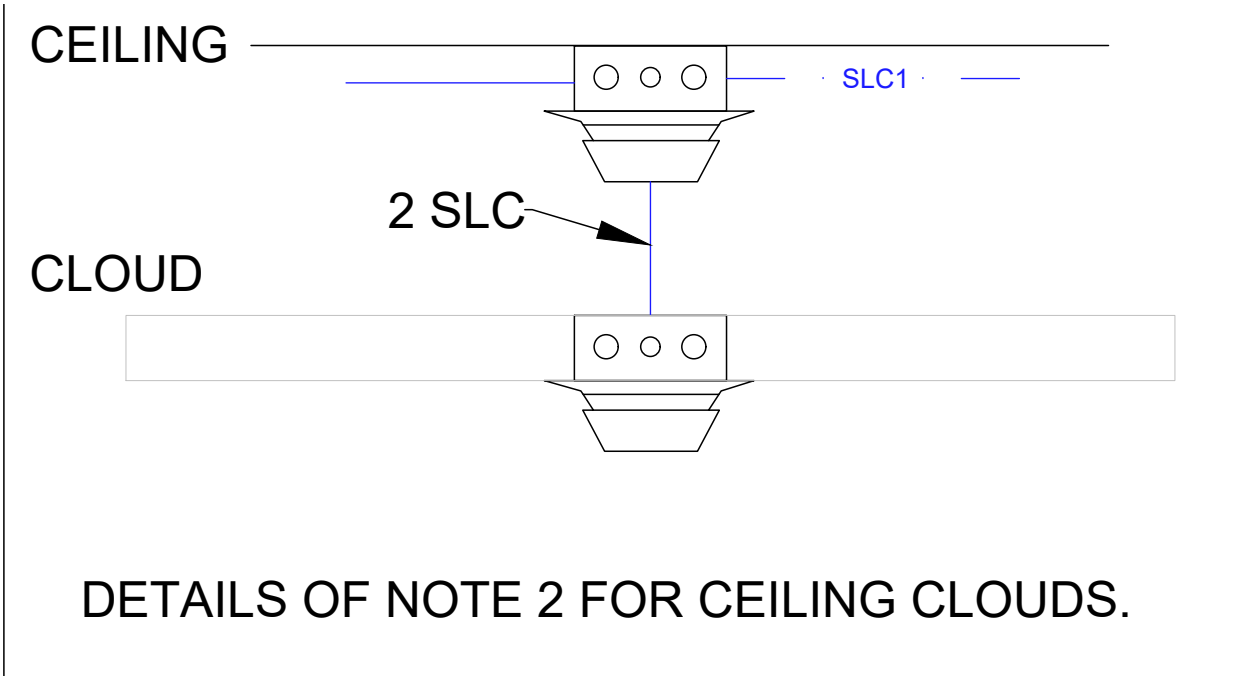
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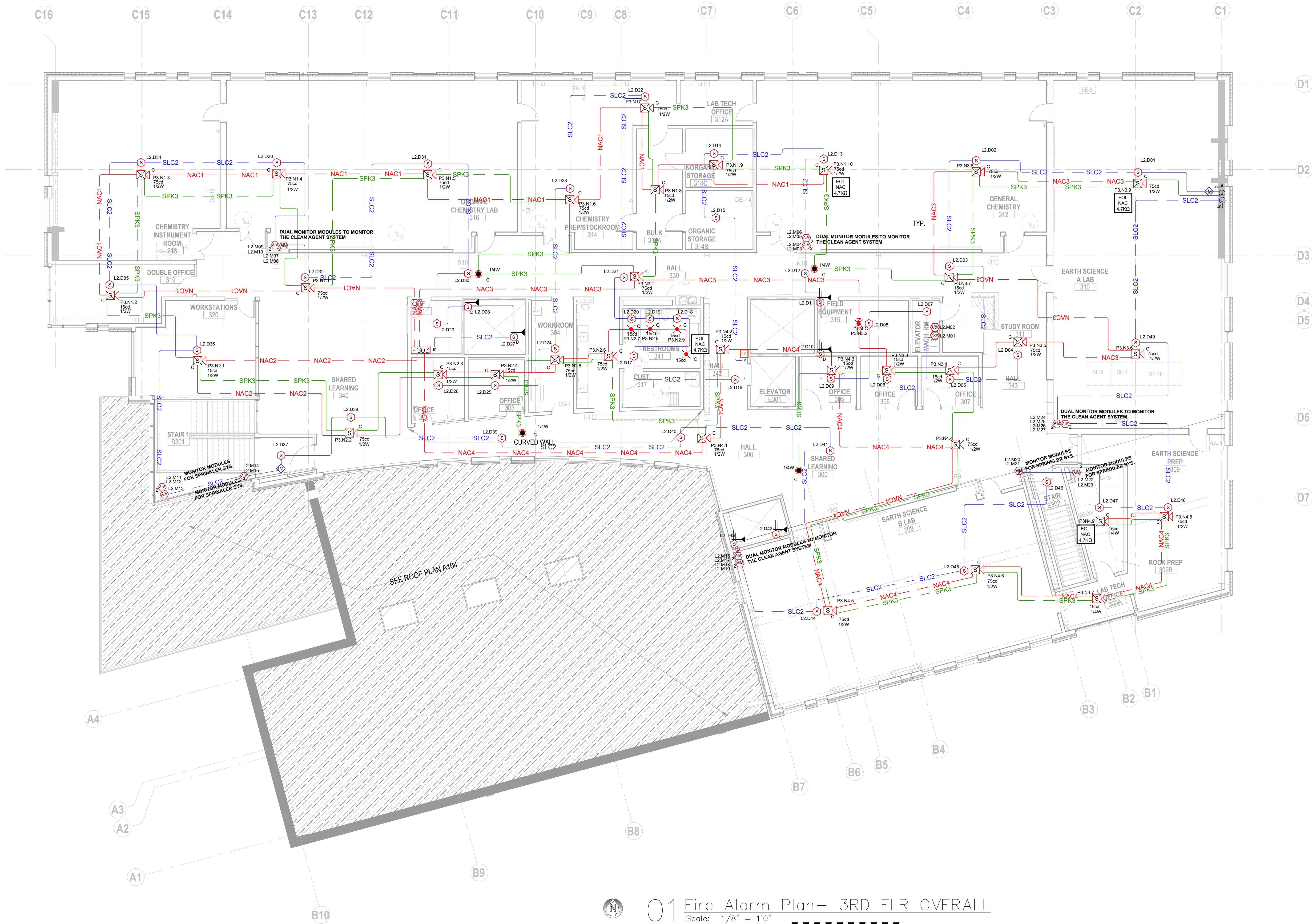
TITLE: 2ND FLOOR PLAN

SHEET: FA-1-2



NOTE:

1. All ceiling mount devices to be installed center of tile where applicable.
2. SMOKE DETECTORS LOCATED ABOVE CLOUDS NOT SHOWN ON PLAN, TO BE LOCATED DIRECTLY ABOVE SMOKE IN CLOUD.



01 Fire Alarm Plan— 3RD FLR OVERALL

Scale: 1/8" = 1'0"



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		Rev#	Description	date	By

SCALE: As Shown

PREPARED BY: APL

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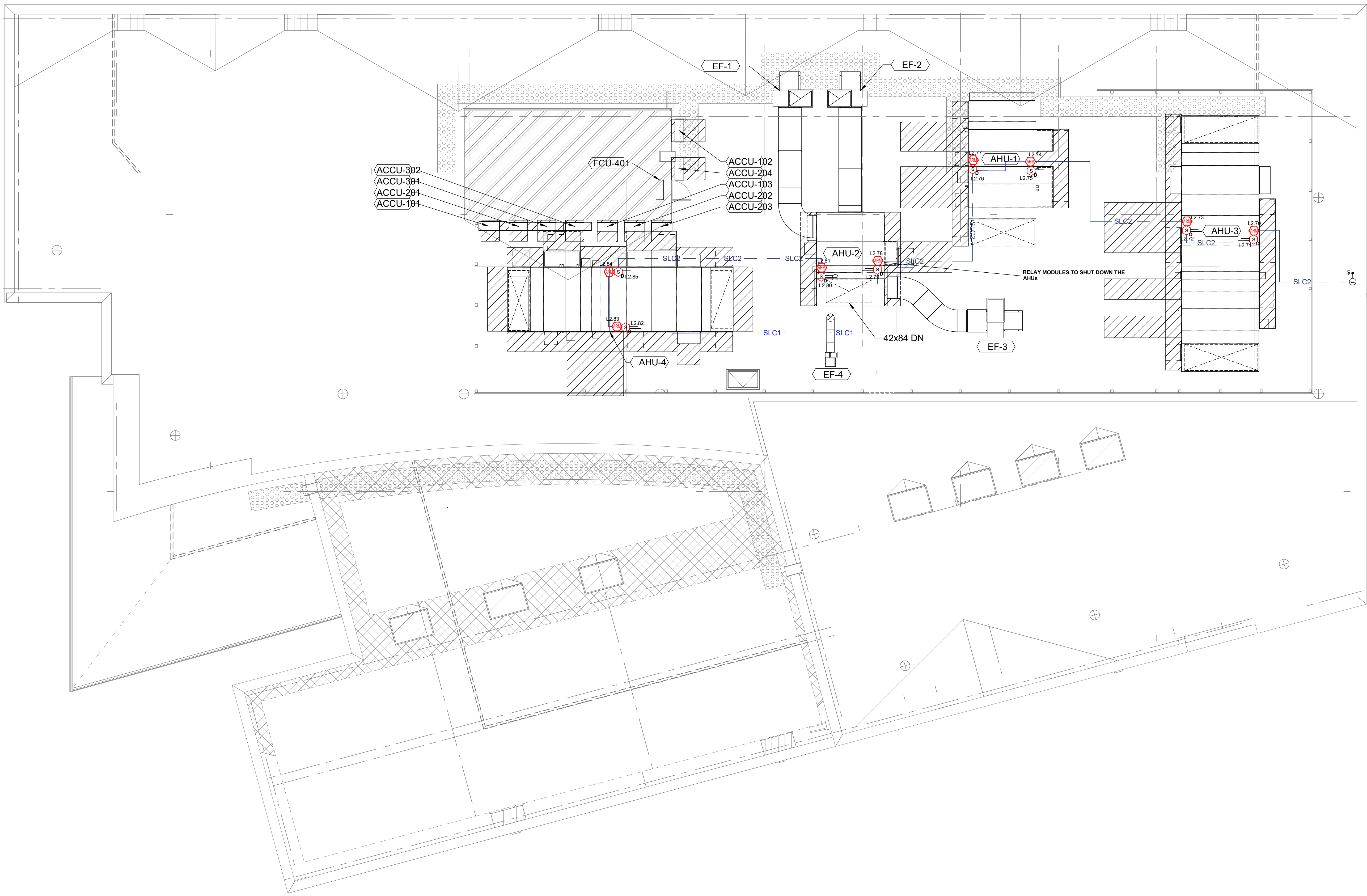
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TITLE:

3RD FLOOR PLAN

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FA-1-3



01 Fire Alarm Plan— ROOF
Scale: 1/8" = 1'0"

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Rev#		Description	date	By

SCALE: As Shown
PREPARED BY: APL
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PROJECT NO: 281716084
TITLE:

ROOF TOP PLAN

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FA-1-R



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SCALE: As Shown

PREPARED BY: APL

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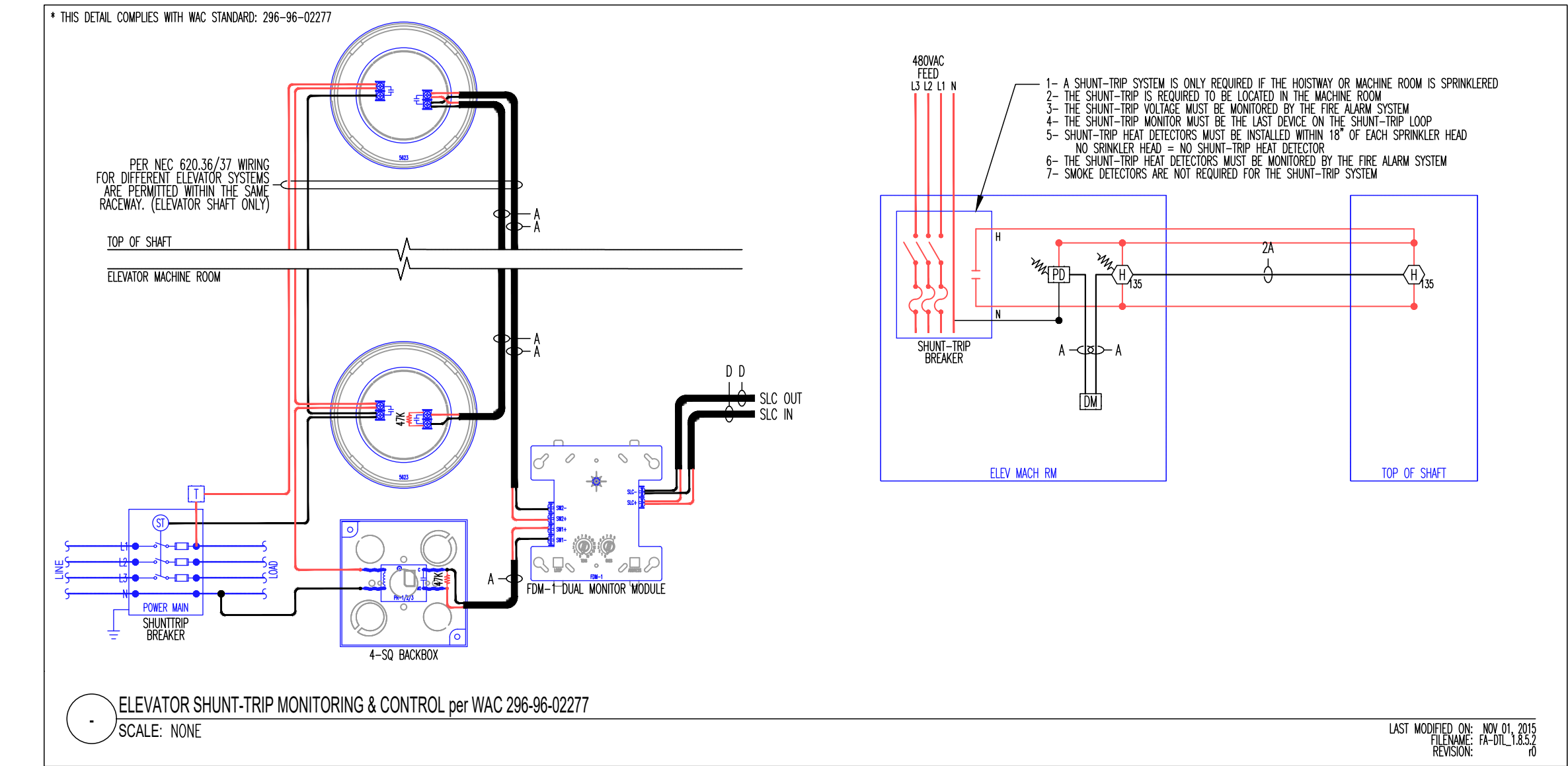
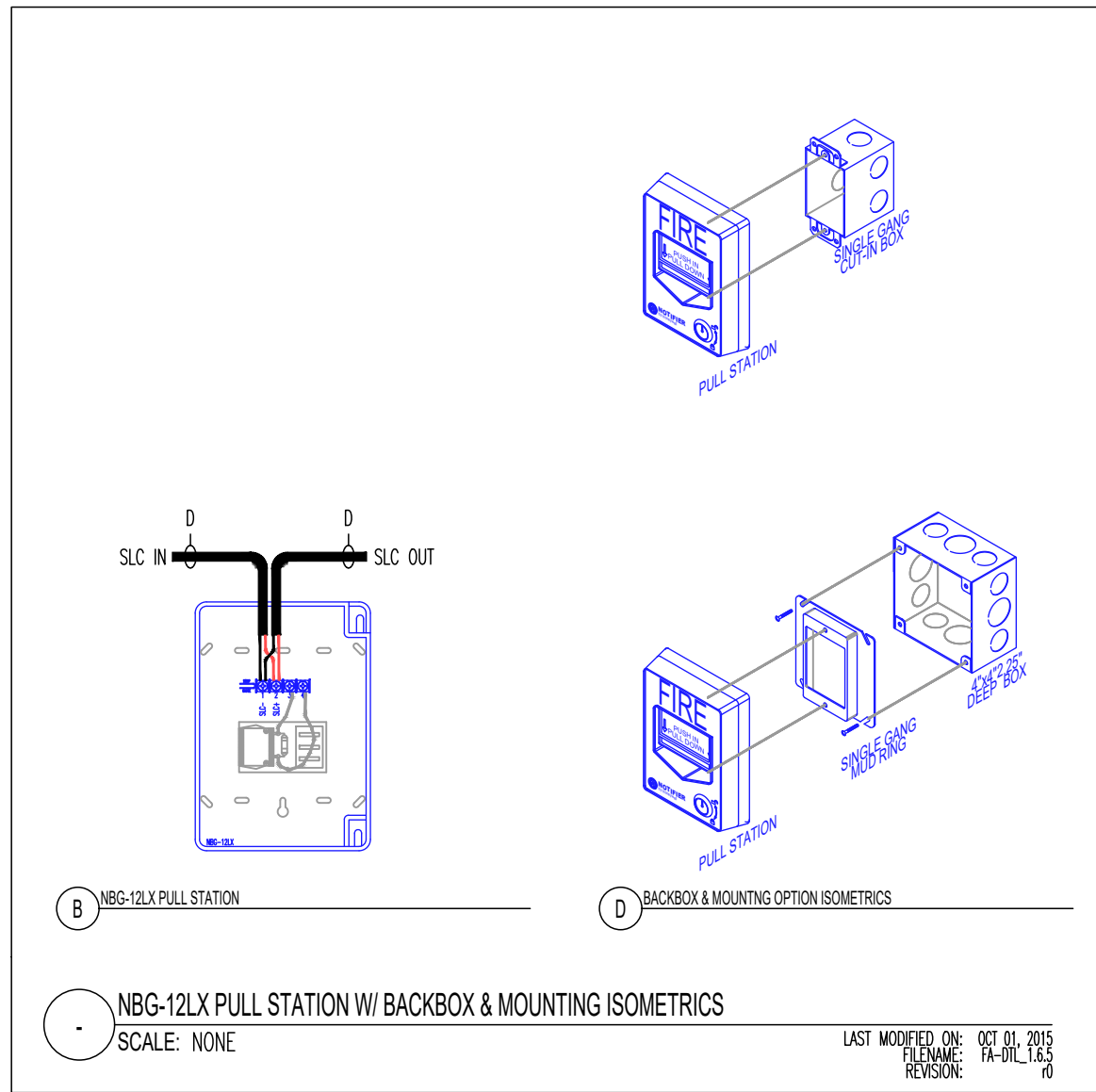
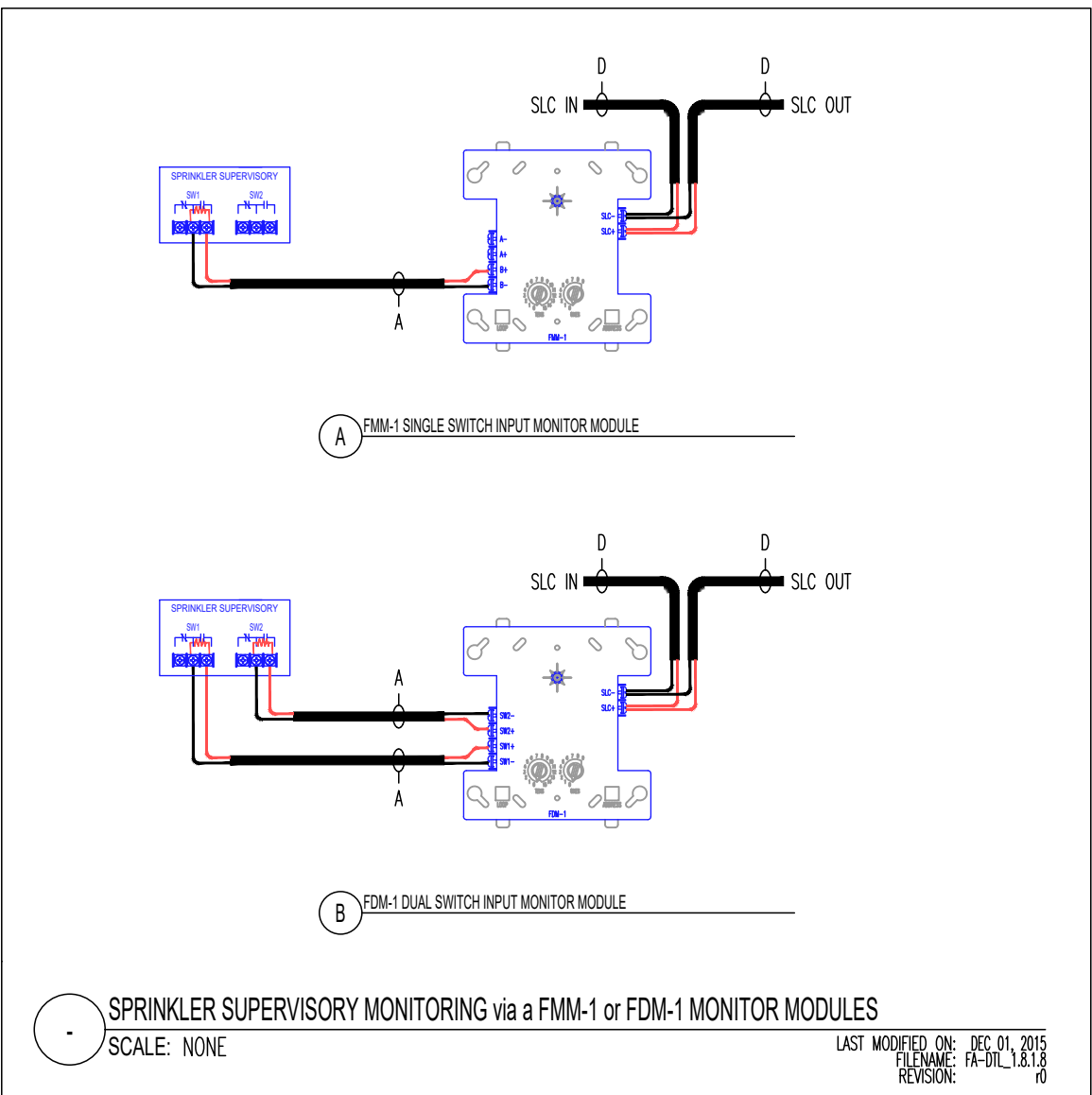
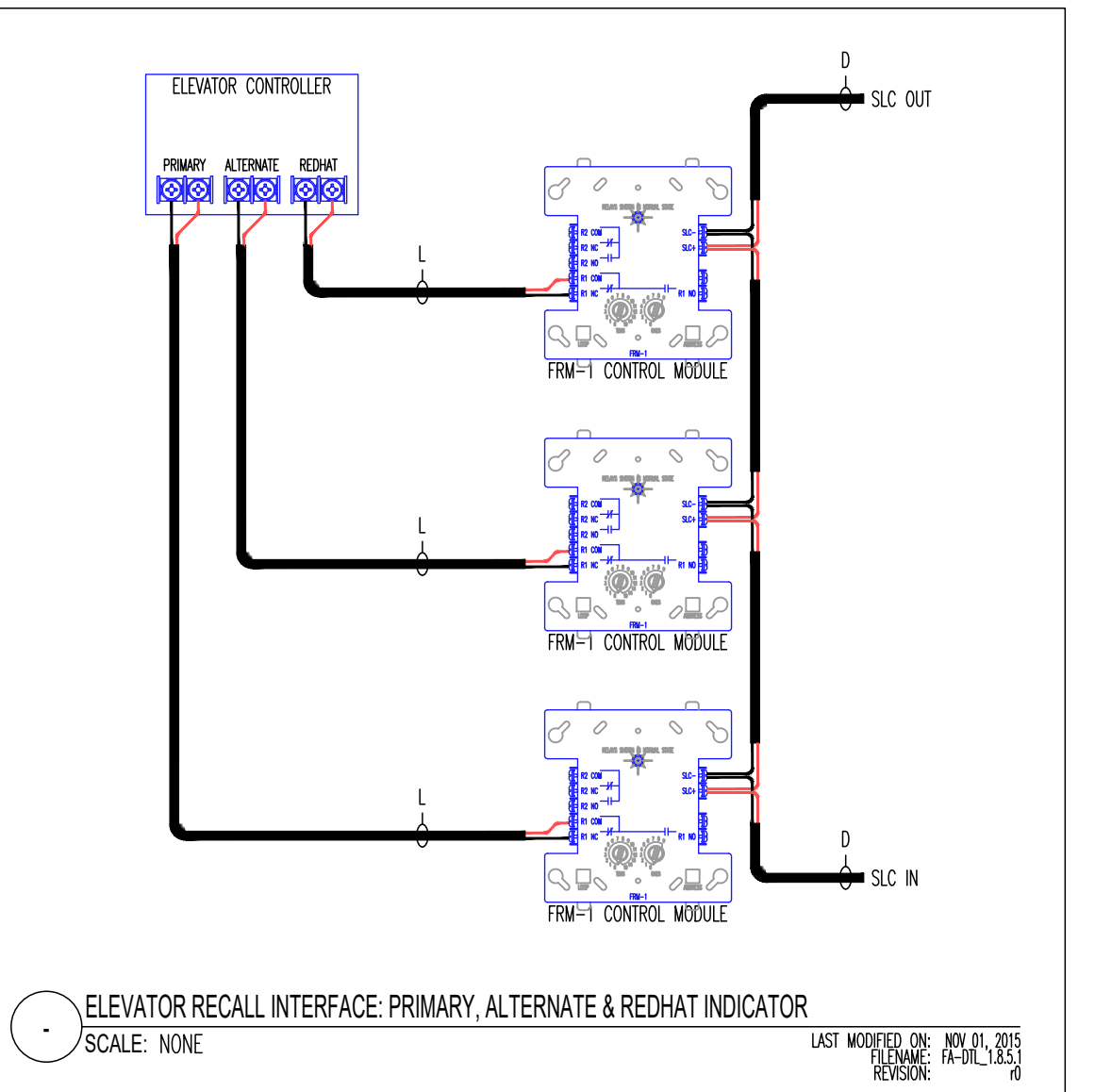
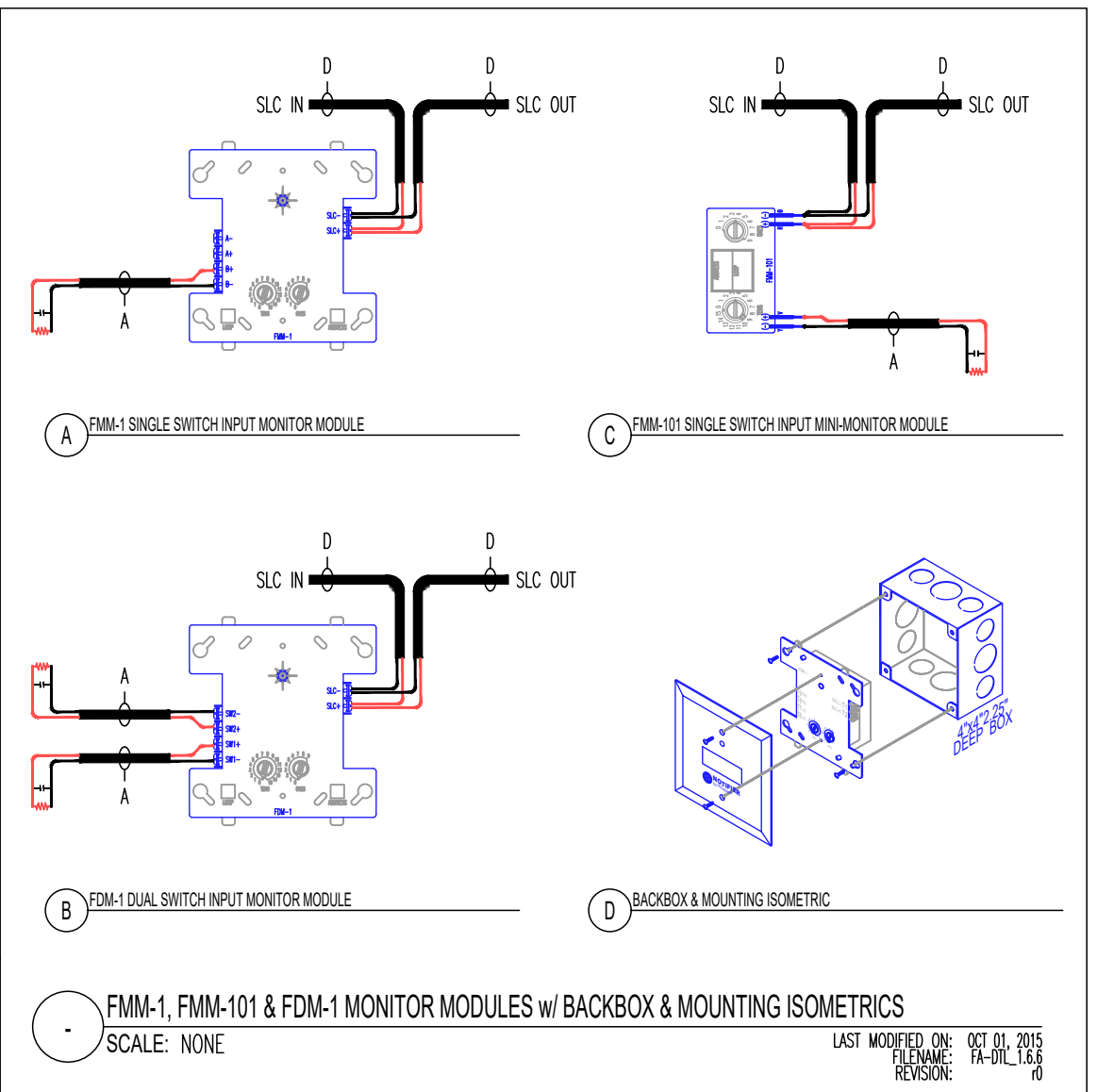
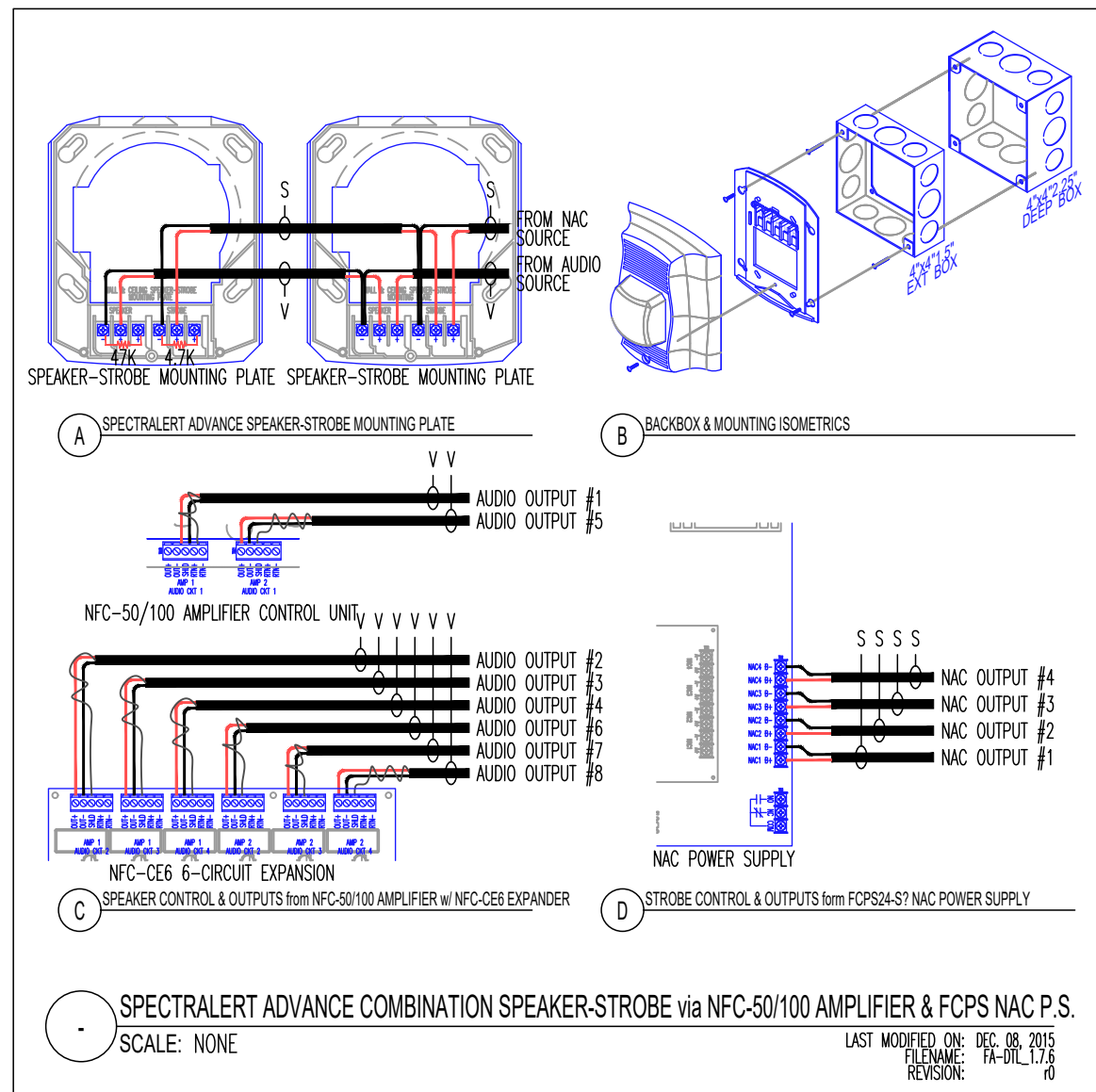
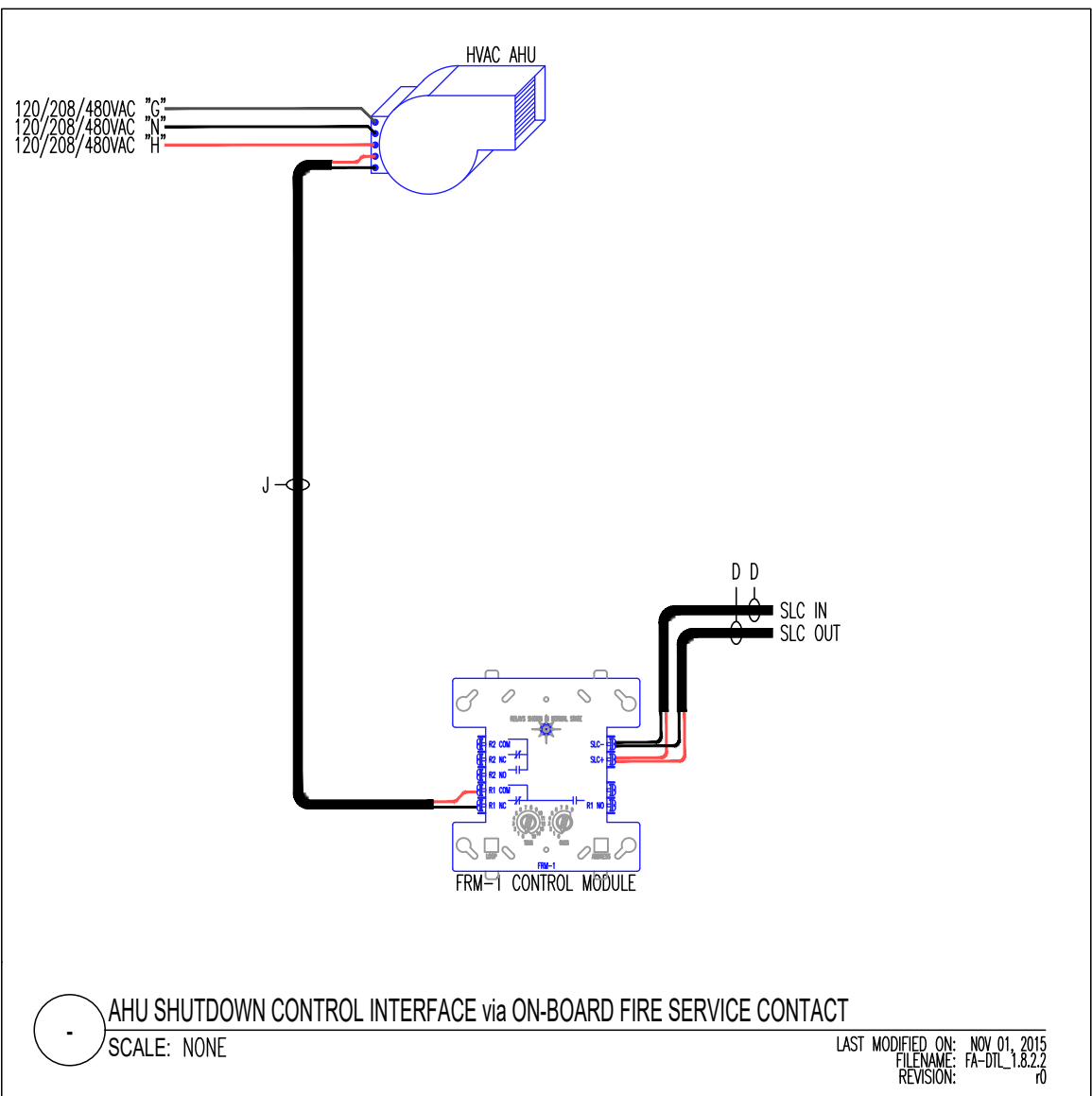
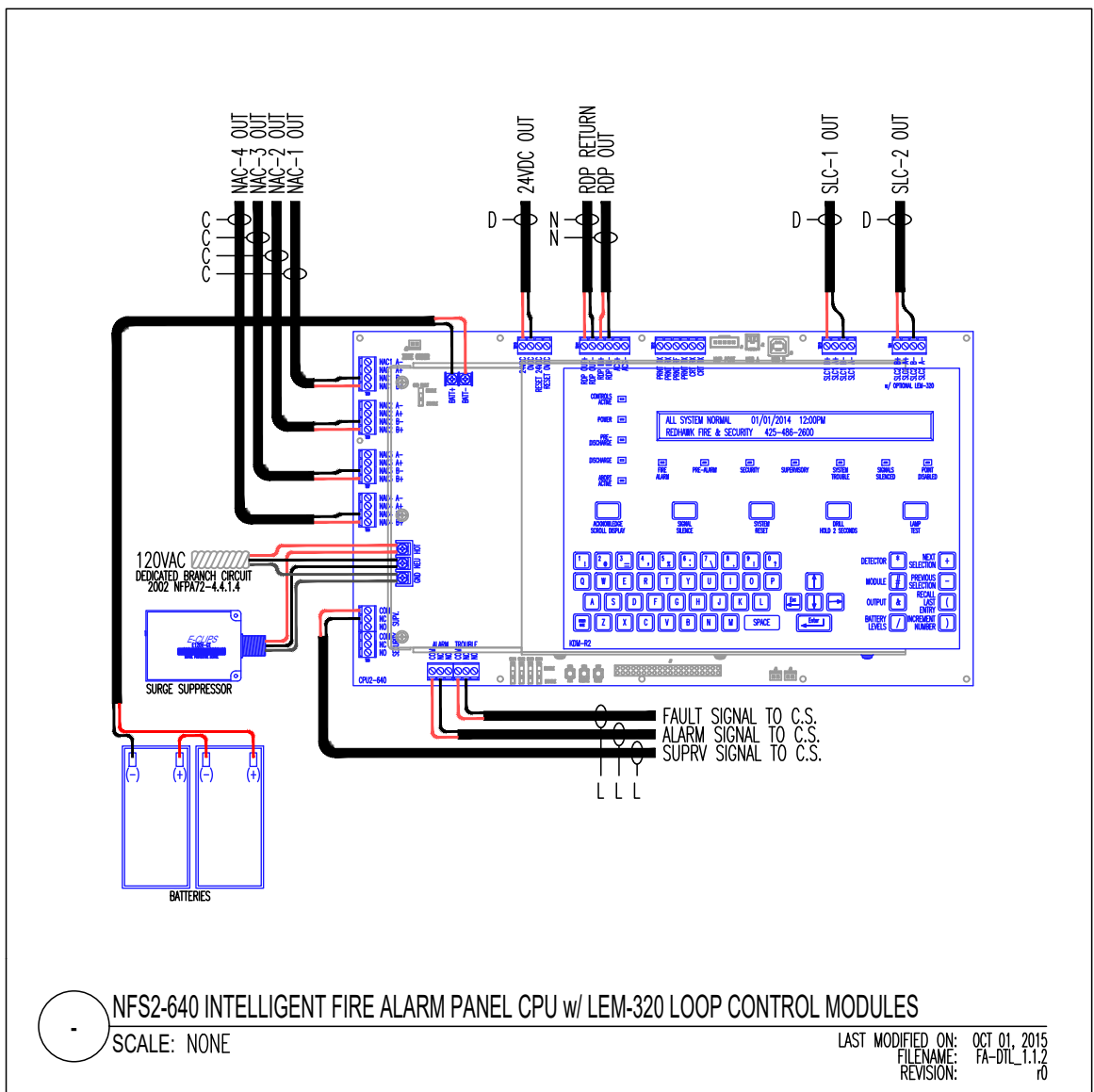
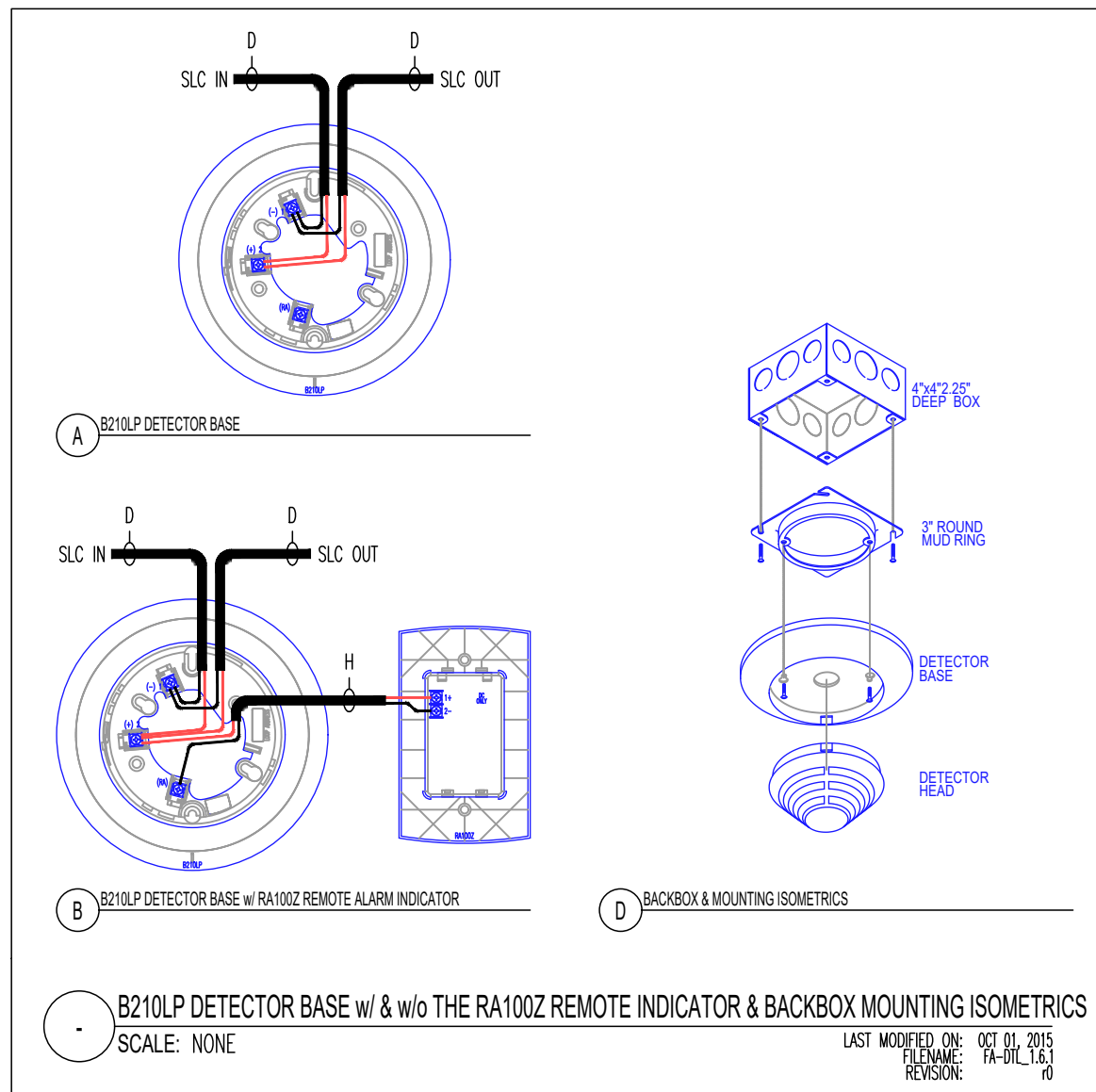
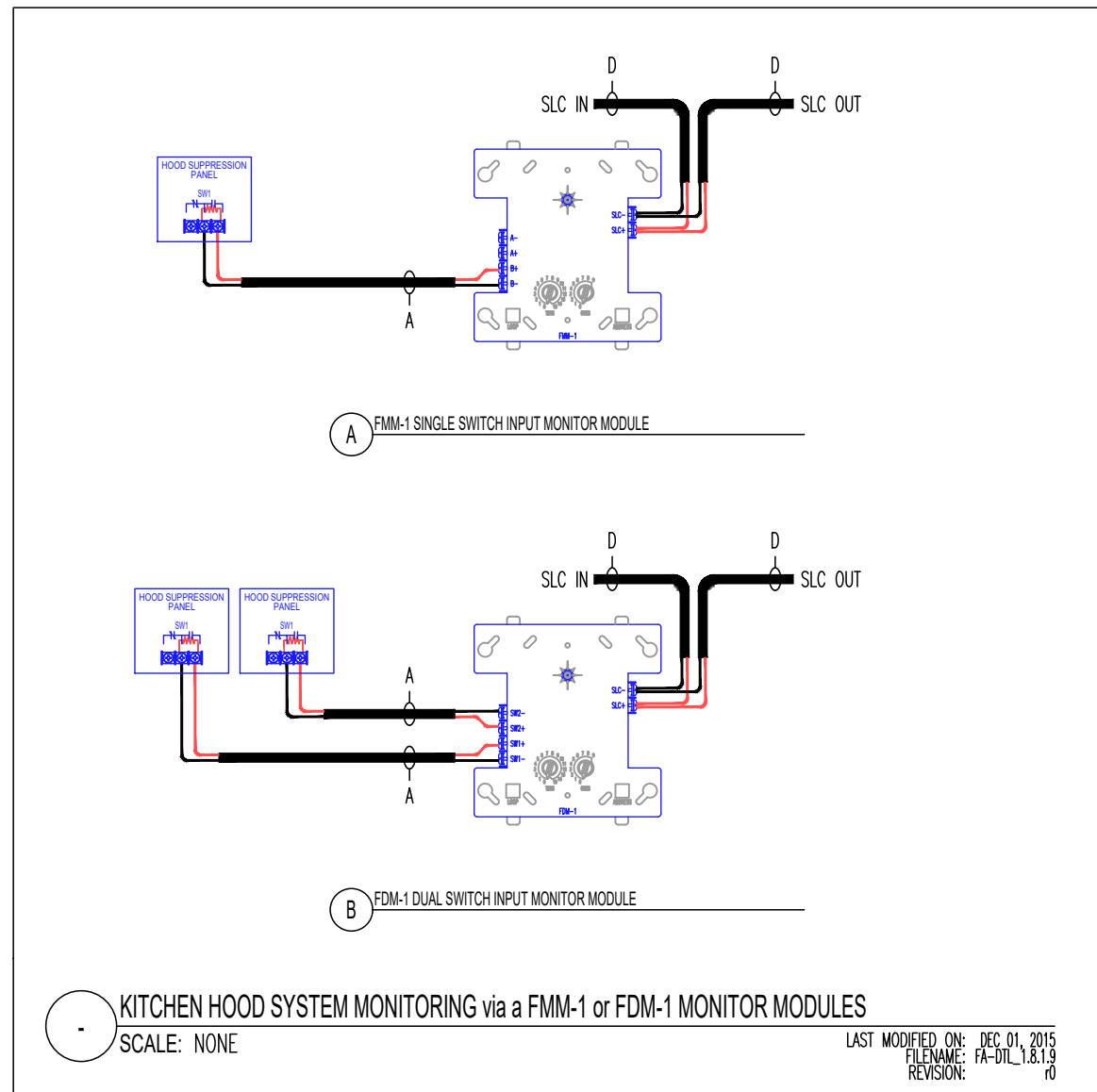
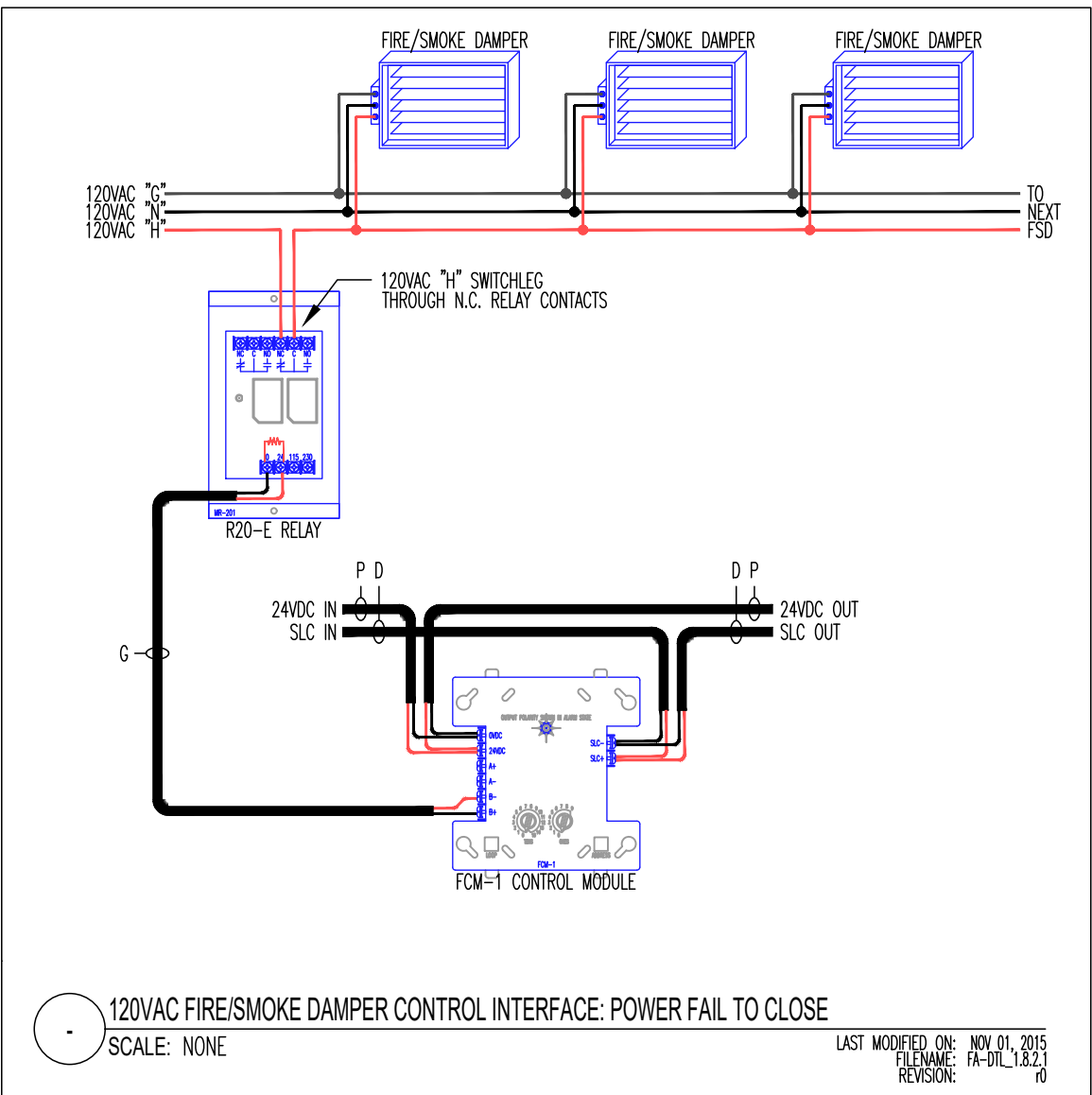
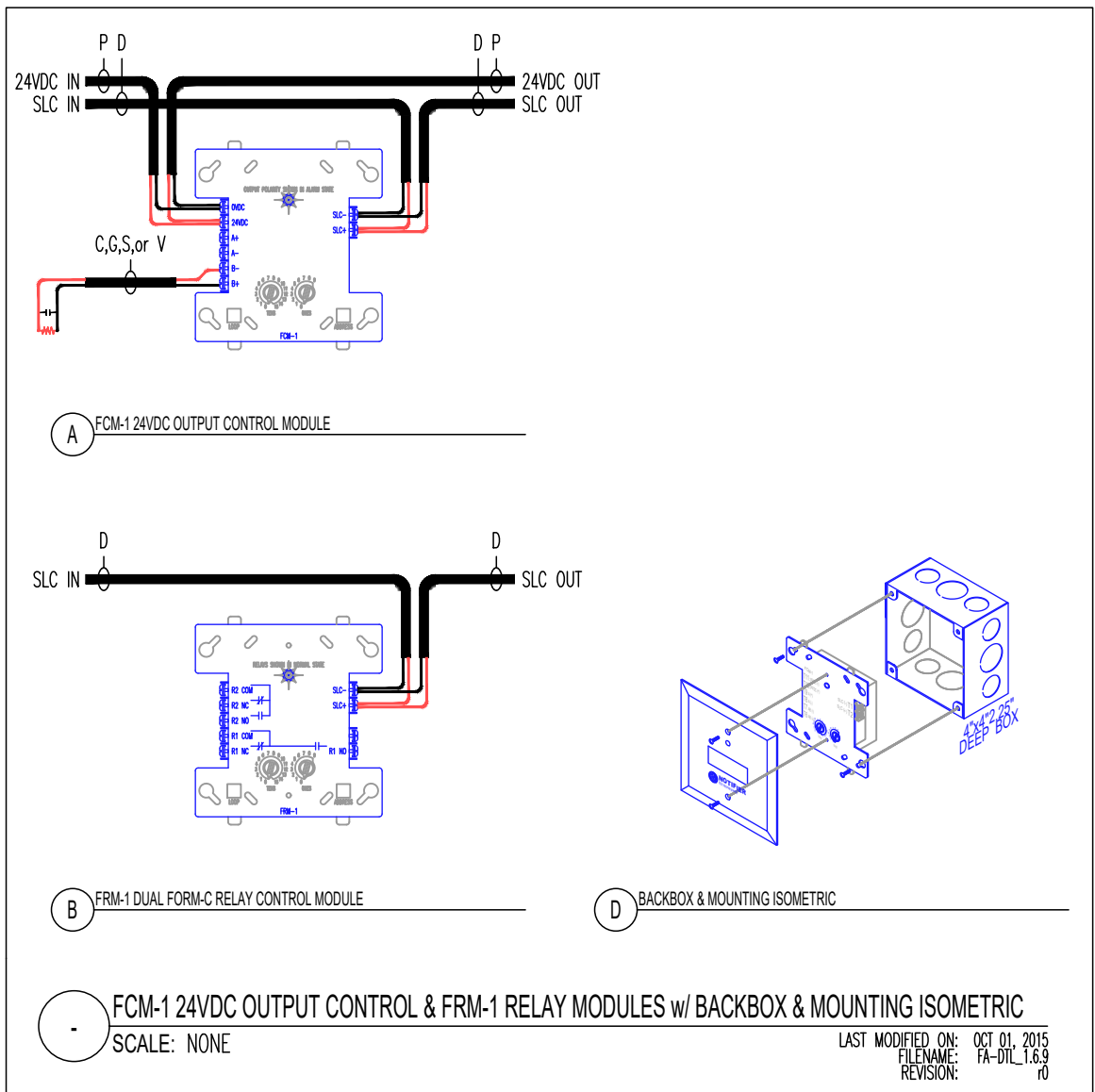
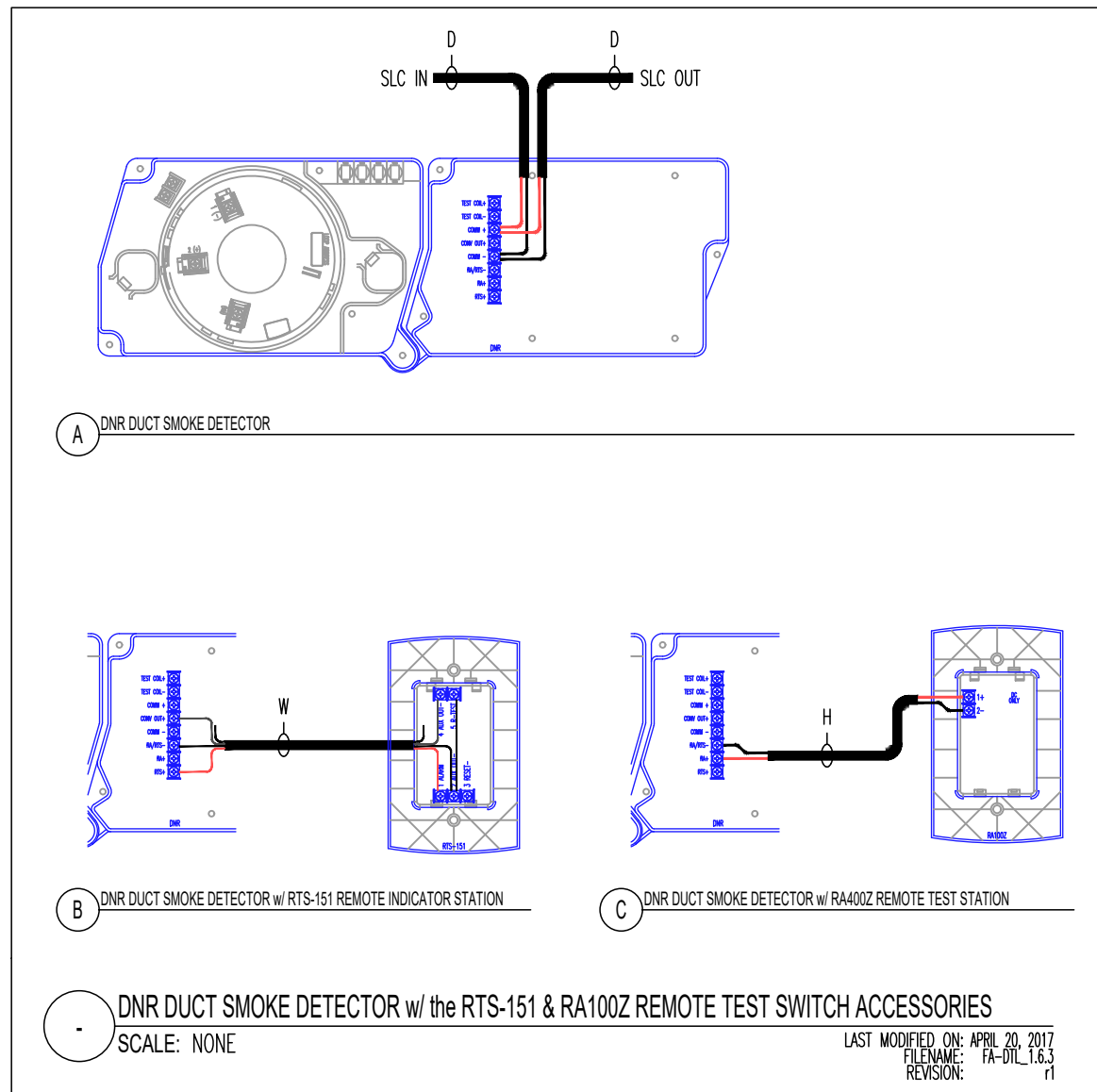
PROJECT NO: 281716084

TITLE:

RISER

SHEET:

FA-2-1



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Rev#	Description	date	By

SCALE:	As Shown
PREPARED BY:	APL
CHECKED BY:	RM
DATE:	01/30/2023
PROJECT NO:	281716084
TITLE:	WIRING DETAILS
SHEET:	FA-3-1