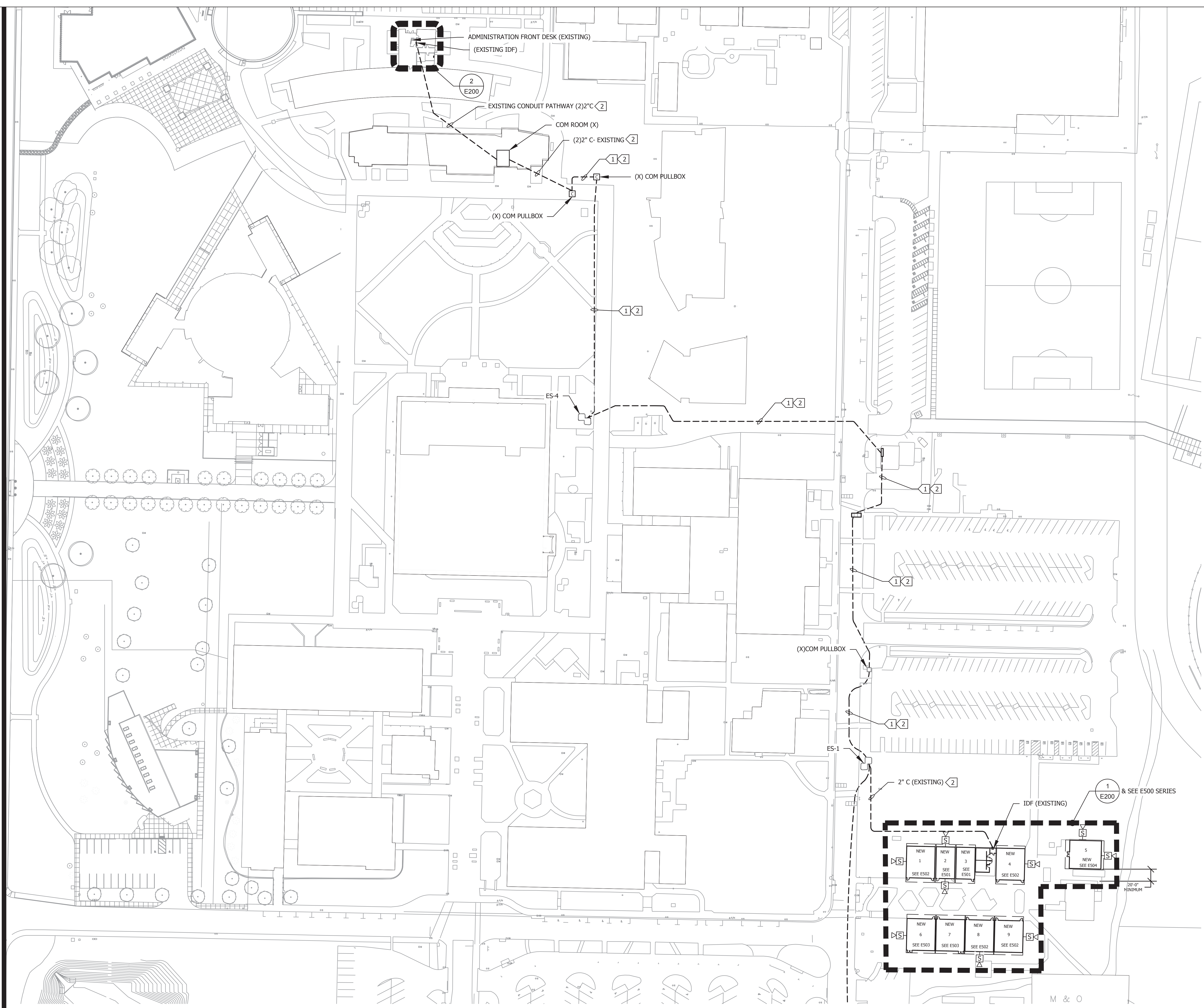


THIS SHEET WAS ORIGINALLY PRINTED ON A 24"x36" SHEET.

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SHEET NOTES:

1. ALL SITE ELECTRICAL WORK TO BE COMPLETED UNDER SEPARATE PERMIT (EXCEPT FIRE ALARM).
2. MODULAR BUILDING TO BE PROVIDED BY MODULAR COMPANY.
3. ALL LIGHTING & POWER IN MODULAR BUILDINGS TO BE PROVIDED BY MODULAR COMPANY AND APPROVED BY DSA UNDER SEPARATE PERMIT.

KEY NOTES:

- 1 EXISTING (9) 4" C.O. COM.
- 2 PROVIDE NEW WEST PENN AQ 245 (2 PAIR #16 UTP AQUASEAL) FROM NEW MODULAR BUILDING #1 (FA) SYSTEM (E3) TO ADMINISTRATION BUILDING (E3) FOR 2-WAY COMMUNICATIONS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-121326 INC:
REVIEWED FOR
SS FLS ACS
DATE: 05/03/2021

Lucci & Associates
CONSULTING ELECTRICAL ENGINEERS
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REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
No. 10187
Exp. 09/30/2022
STATE OF CALIFORNIA

RASMUSSEN & ASSOCIATES
Architecture
Interiors
21 S. California Street
Fourth Floor
Ventura, California 93001
(805) 648-1234

PARTIAL SITE PLAN

Revisions	R&A No:	A162002
	Date:	4/19/2021
	Drawn:	LK/DS
	Checked:	KL
	Consult. No:	

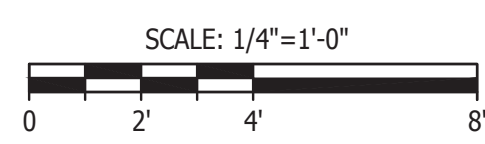
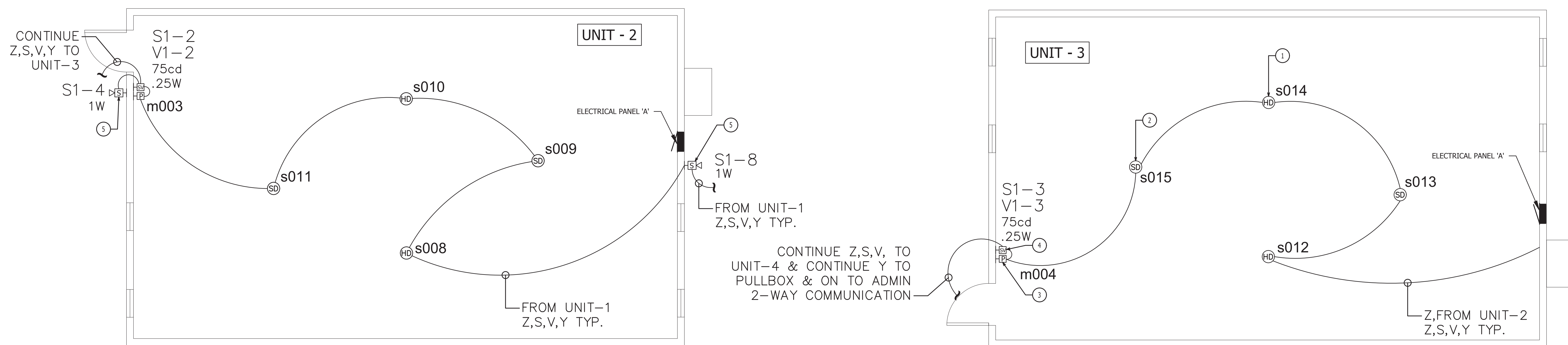
**ART/DESIGN COMPLEX
MODULAR CLASSROOMS**
OXNARD COLLEGE
4000 SOUTH ROSE AVENUE
OXNARD, CALIFORNIA 93033

Sheet No.
E140

THIS SHEET WAS ORIGINALLY PRINTED ON A 24"x36" SHEET.

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MODULAR FIRE ALARM PLAN UNIT -2 & UNIT -3

SCALE: 1/4"=1'-0"



SYMBOL LEGEND:

- SYMBOLS:**
- AQUA SEAL CABLE IN CONDUIT BELOW GRADE
 - FIRE ALARM CABLE IN CONDUIT ABOVE GRADE
 - [EACP] EXISTING FIRE ALARM CONTROL PANEL W/ EVAC
 - [AMP] 50 WATT AMPLIFIER
 - [RPS] REMOTE POWER SUPPLY
 - [HP] ADDRESSABLE MANUAL PULL STATION
 - (SD) ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR
 - (HD) ADDRESSABLE HEAT DETECTOR
 - [SH] OUTDOOR SPEAKER ONLY
 - [SH] SPEAKER STROBE, WALL MOUNT

CIRCUIT DESCRIPTION:

- V1-12 EOL ← END OF LINE RESISTOR
- └─ DEVICE NUMBER
 - └─ CIRCUIT NUMBER
 - └─ NOTIFICATION APPLIANCE CIRCUIT
- S1-12 EOL ← END OF LINE RESISTOR
- └─ DEVICE NUMBER
 - └─ CIRCUIT NUMBER
 - └─ SPEAKER APPLIANCE CIRCUIT
- s001
- └─ DEVICE ADDRESS
 - └─ SIGNALLING LINE CIRCUIT. m= MODULES, d = DETECTORS

KEYED NOTES:

- ① ABOVE CEILING HEAT DETECTOR, TYPICAL
- ② SMOKE DETECTOR, TYPICAL
- ③ PULL STATION, TYPICAL
- ④ SPEAKER STROBE, TYPICAL
- ⑤ OUTDOOR SPEAKER, TYPICAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-121326 INC:
REVIEWED FOR
SS FLS ACS
DATE: 05/03/2021

LUCI & ASSOCIATES LLC
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(805) 648-1234

Revisions	R&A No: A162002
Date: 4/19/2021	Drawn: LK/DS
Checked: KL	Consult. No:

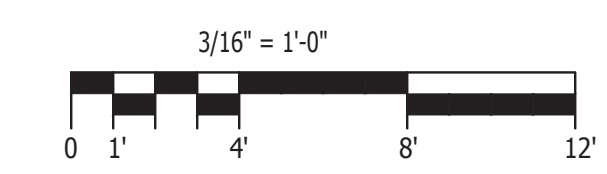
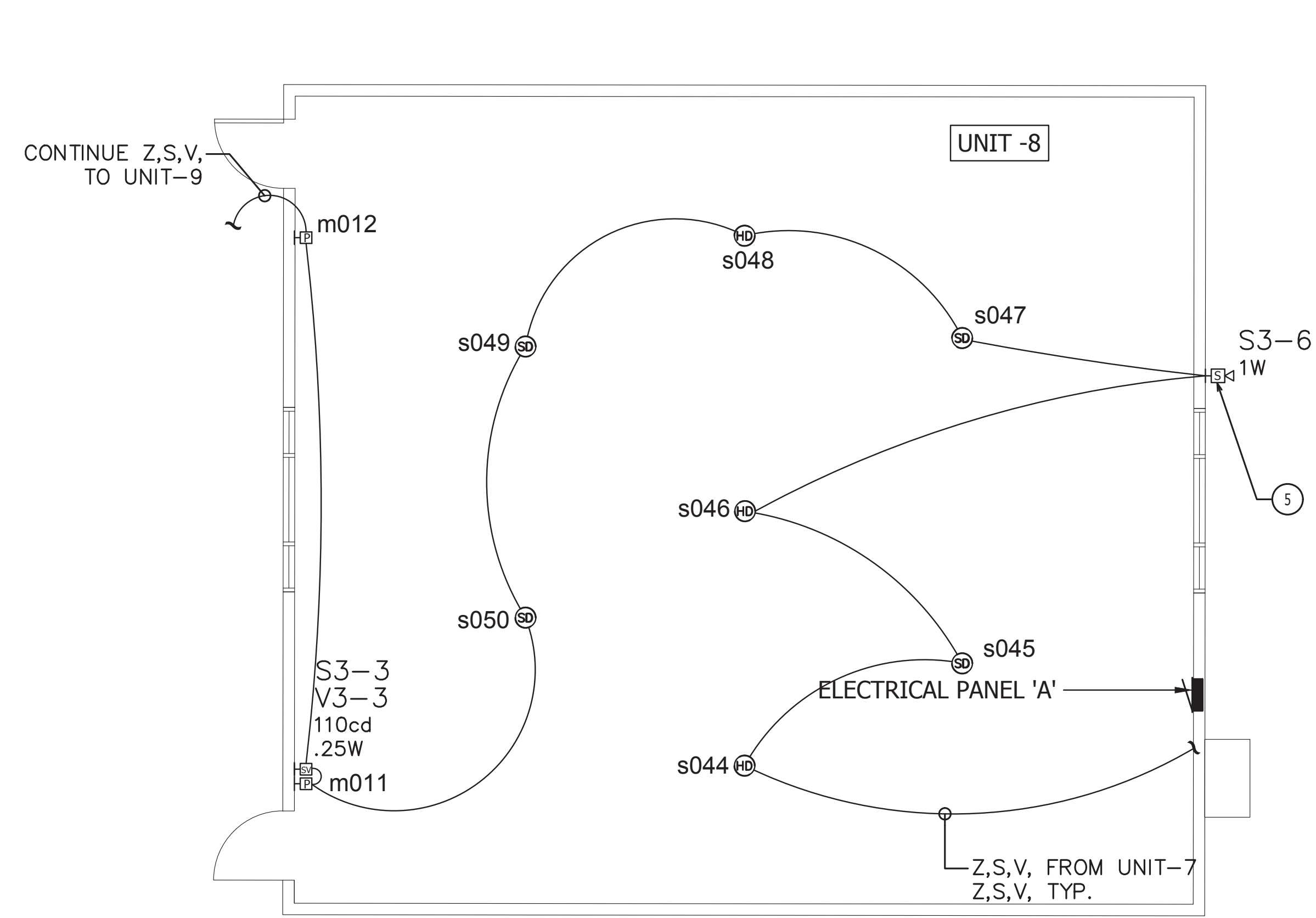
24"x40" MODULAR FIRE ALARM PLAN MODULAR #2 & 3

ART/DESIGN COMPLEX MODULAR CLASSROOMS
OXNARD COLLEGE
4000 SOUTH ROSE AVENUE
OXNARD, CALIFORNIA 93033

Sheet No.
E501

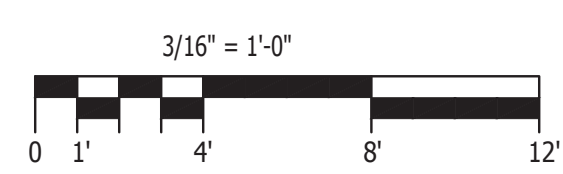
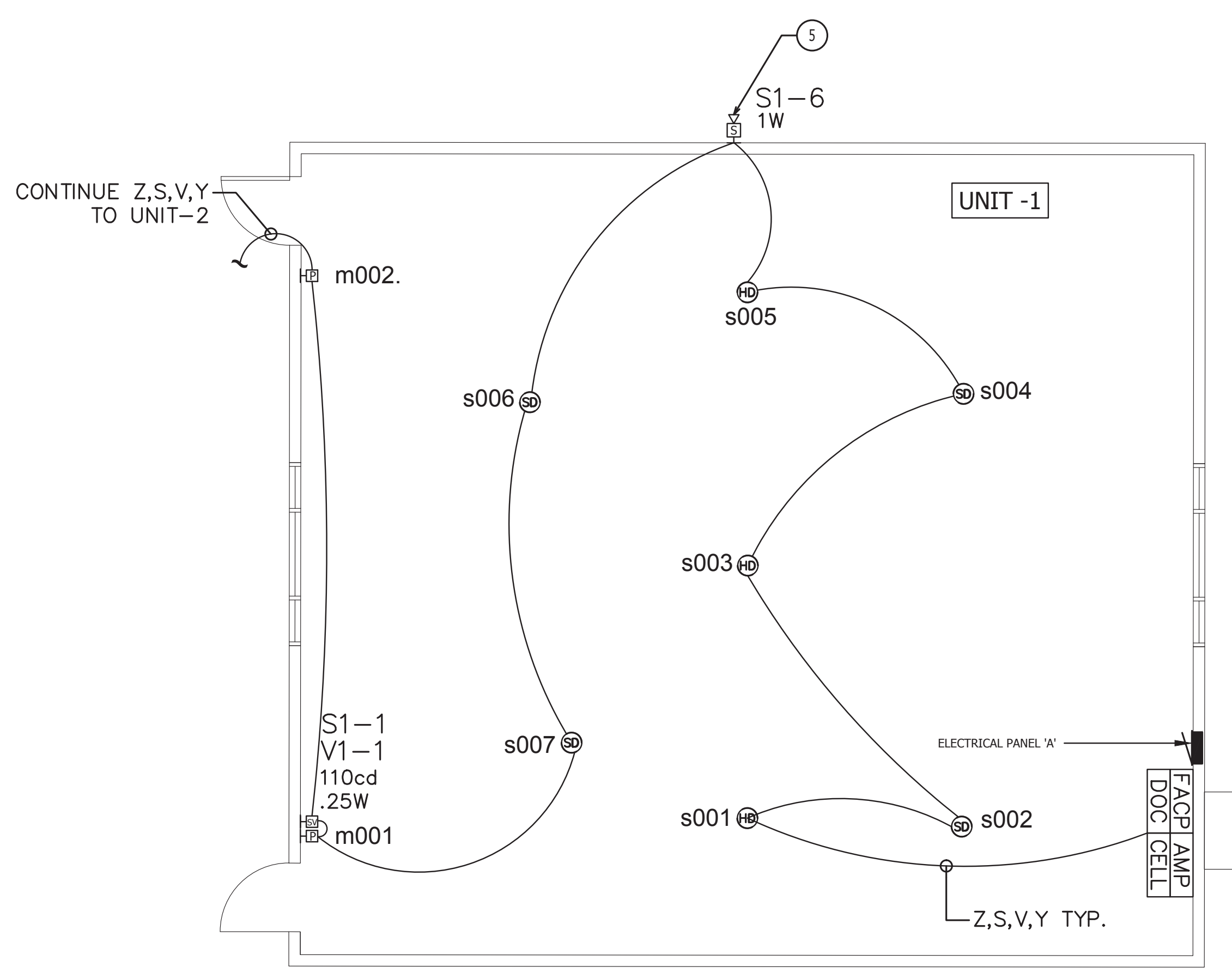
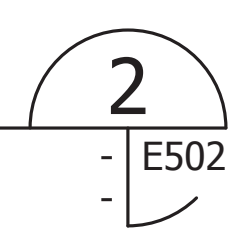
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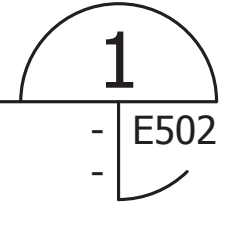
MODULAR FIRE ALARM PLAN - UNIT 8 AND UNIT 9

SCALE: 3/16"=1'-0"



MODULAR FIRE ALARM PLAN - UNIT 1 AND UNIT 4

SCALE: 3/16"=1'-0"



SYMBOL LEGEND:

- SYMBOLS:
- AQUA SEAL CABLE IN CONDUIT BELOW GRADE
 - FIRE ALARM CABLE IN CONDUIT ABOVE GRADE
 - [FACP] EXISTING FIRE ALARM CONTROL PANEL W/ EVAC
 - [AMP] 50 WATT AMPLIFIER
 - [RPS] REMOTE POWER SUPPLY
 - [HP] ADDRESSABLE MANUAL PULL STATION
 - [SD] ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR
 - [HD] ADDRESSABLE HEAT DETECTOR
 - [S] OUTDOOR SPEAKER ONLY
 - [SW] SPEAKER STROBE, WALL MOUNT

- CIRCUIT DESCRIPTION:
- V1-12 EOL ← END OF LINE RESISTOR
 - ↑ DEVICE NUMBER
 - ↑ CIRCUIT NUMBER
 - ↑ NOTIFICATION APPLIANCE CIRCUIT
 - S1-12 EOL ← END OF LINE RESISTOR
 - ↑ DEVICE NUMBER
 - ↑ CIRCUIT NUMBER
 - ↑ SPEAKER APPLIANCE CIRCUIT
 - M97-S001
 - ↑ DEVICE ADDRESS
 - ↑ SIGNALLING LINE CIRCUIT. m= MODULES, d = DETECTORS
 - ↑ SLC LOOP #

KEYED NOTES:

- ① ABOVE CEILING HEAT DETECTOR. TYPICAL
- ② SMOKE DETECTOR. TYPICAL
- ③ PULL STATION. TYPICAL
- ④ SPEAKER STROBE. TYPICAL
- ⑤ OUTDOOR SPEAKER. TYPICAL

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
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 SS [x] FLS [x] ACS [x]
 DATE: 05/03/2021

LUCI & ASSOCIATES INC.
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 Ventura, California 93001
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36"x40" MODULAR FIRE ALARM
 PLAN MODULAR #1, 4, 8 & 9

Revisions	R&A No.	Date	Drawn	Checked	Consult.
	4162002	4/19/2021	LK/DS	KL	

**ART/DESIGN COMPLEX
 MODULAR CLASSROOMS**
 OXNARD COLLEGE
 4000 SOUTH ROSE AVENUE
 OXNARD, CALIFORNIA 93033

Sheet No.
E502

DATE: 19 April 2021 TIME: 12:18 pm
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THIS SHEET WAS ORIGINALLY PRINTED ON A 24"x36" SHEET.
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SYMBOL LEGEND:

- SYMBOLS:**
- AQUA SEAL CABLE IN CONDUIT BELOW GRADE
 - FIRE ALARM CABLE IN CONDUIT ABOVE GRADE
 - [FACP] EXISTING FIRE ALARM CONTROL PANEL W/ EVAC
 - [AMP] 50 WATT AMPLIFIER
 - [RPS] REMOTE POWER SUPPLY
 - [HD] ADDRESSABLE MANUAL PULL STATION
 - (SD) ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR
 - (HD) ADDRESSABLE HEAT DETECTOR
 - [SH] OUTDOOR SPEAKER ONLY
 - [SV] SPEAKER STROBE, WALL MOUNT

- CIRCUIT DESCRIPTION:**
- VI-12 EOL ← END OF LINE RESISTOR
 - DEVICE NUMBER
 - CIRCUIT NUMBER
 - NOTIFICATION APPLIANCE CIRCUIT

 - SI-12 EOL ← END OF LINE RESISTOR
 - DEVICE NUMBER
 - CIRCUIT NUMBER
 - SPEAKER APPLIANCE CIRCUIT

 - M97-s001
 - DEVICE ADDRESS
 - SIGNALLING LINE CIRCUIT. m= MODULES, d = DETECTORS
 - SLC LOOP #

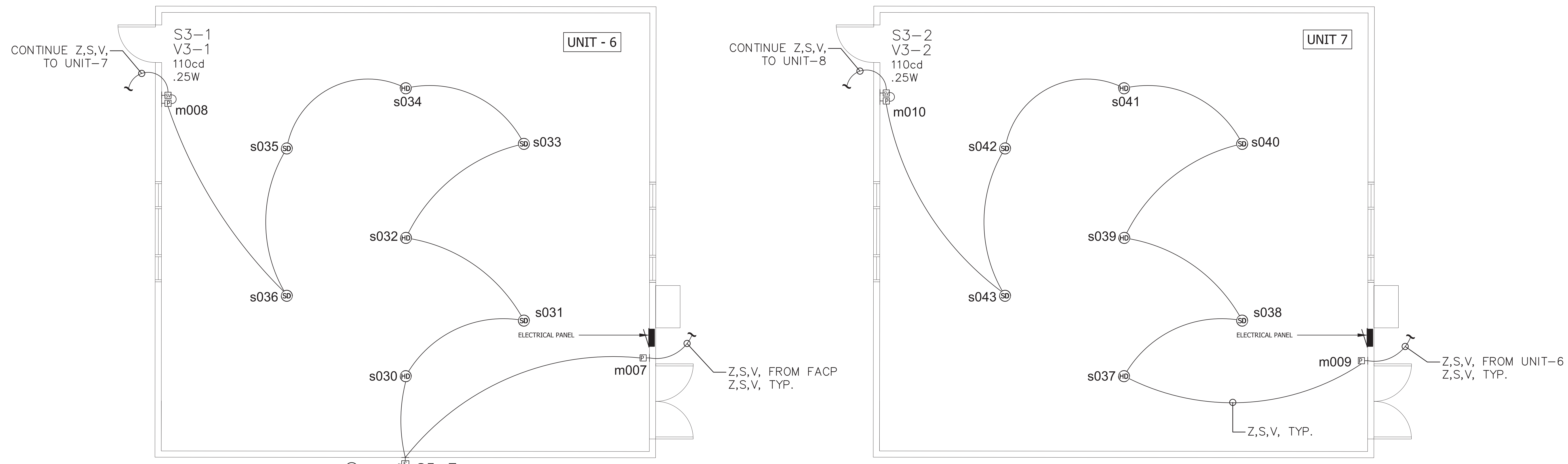
KEYED NOTES:

- ① ABOVE CEILING HEAT DETECTOR, TYPICAL
- ② SMOKE DETECTOR, TYPICAL
- ③ PULL STATION, TYPICAL
- ④ SPEAKER STROBE, TYPICAL
- ⑤ OUTDOOR SPEAKER, TYPICAL

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 DIV. OF THE STATE ARCHITECT
 APP: 03-121326 INC:
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 SS FLS ACS
 DATE: 05/03/2021

RASMUSSEN & ASSOCIATES
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 (805) 648-1234

REGISTERED PROFESSIONAL ENGINEER
 WENDETH W. LUCI
 No. 10787
 Exp. 09/30/2022
 ELECTRICAL
 STATE OF CALIFORNIA



MODULAR FIRE ALARM PLAN (TYPICAL FOR MODULAR 6 & 7)
 SCALE: 1/4"=1'-0"

1
 E503

ART/DESIGN COMPLEX
 MODULAR CLASSROOMS
 OXNARD COLLEGE
 4000 SOUTH ROSE AVENUE
 OXNARD, CALIFORNIA 93033

36"x40" MODULAR FIRE ALARM
 PLAN MODULAR #6 & 7

Revisions	R&A No:	A1E2002
	Date:	4/19/2021
	Drawn:	LK/DS
	Checked:	KL
	Consult. No.:	

Sheet No.
E503

DATE: 19 April 2021

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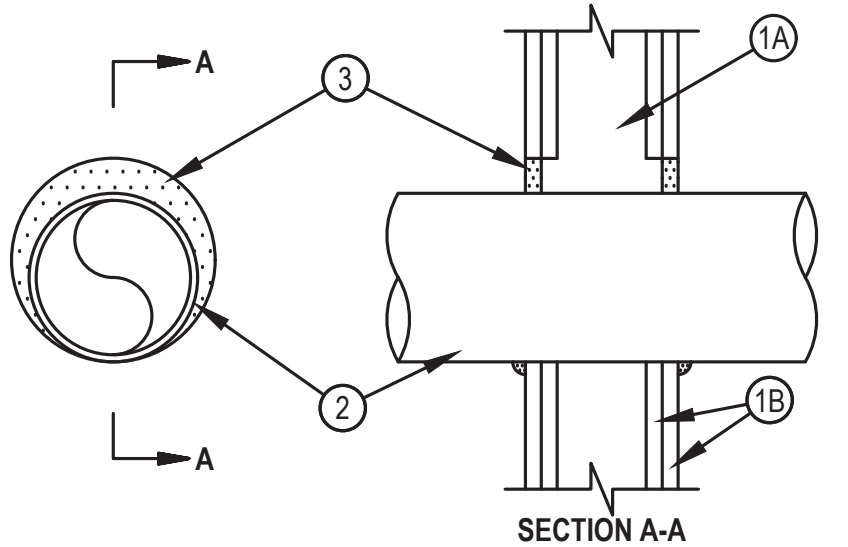
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FIRE STOPPING DETAIL

System No. W-L-1054



ANSIUL1479 (ASTM E814)	CANULC S115
F Rating — 1 and 2 Hr (See Items 1 and 3)	F Rating — 1 and 2 Hr (See Items 1 and 3)
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating at Ambient — Less Than 1 CFM/sq ft	FH Rating — 1 and 2 Hr (See Items 1 and 3)
L Rating at 400 F — Less Than 1 CFM/sq ft	FTH Rating — 0 Hr
	FTH Rating — 0 Hr
	L Rating at Ambient — Less Than 1 CFM/sq ft
	L Rating at 400 F — Less Than 1 CFM/sq ft



1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. (102 to 152 mm) wider and 4 to 6 in. (102 to 152 mm) higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. (51 to 76 mm) clearance is present between the penetrating item and the framing on all four sides.

B. Gypsum Board — 5/8 in. (16 mm) thick, 4 ft (122 cm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 32-1/4 in. (819 mm) for steel stud walls. Max diam of opening is 14-1/2 in. (368 mm) for wood stud walls. The F and FH Ratings of the firestop system are equal to the fire rating of the wall assembly.

2. Through-Penetrants — One metallic pipe, conduit or tubing to be installed concentrically or eccentrically within the firestop system. The annular space shall be min 0 in. to max 2-1/4 in. (57 mm). Pipe may be installed with continuous point contact. Pipe, conduit or tubing may be installed at an angle not greater than 45 degrees from perpendicular. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. Steel Pipe — Nom 3/4 in. (19.2 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. Iron Pipe — Nom 3/4 in. (19.2 mm) diam (or smaller) cast or ductile iron pipe.

C. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or 6 in. (152 mm) diam steel conduit.

D. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.

E. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) regular (or heavier) copper pipe.

3. Fill, Void or Cavity Material — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point or continuous contact locations between pipe and wall, a min 1/2 in. (13 mm) diam bead of fill material shall be applied at the pipe wall interface on both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant or FS-ONE MAX Intumescent Sealant

*Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



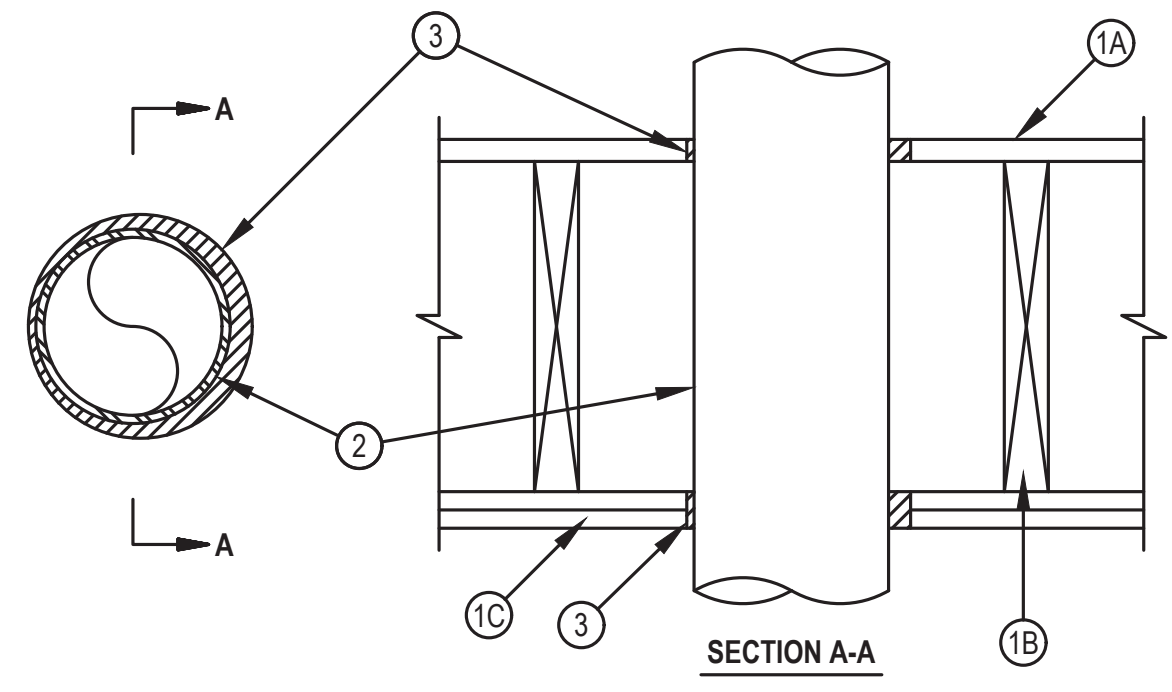
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FIRE STOPPING DETAIL

System No. F-C-1059



ANSIUL1479 (ASTM E814)	CANULC S115
F Rating — 1 and 2 Hr	F Rating — 1 and 2 Hr
T Rating — 1 and 2 Hr	FT Rating — 1 and 2 Hr
L Rating At Ambient — Less Than 1 CFM/sq ft	FH Rating — 1 and 2 Hr
L Rating At 400 F — 4 CFM/sq ft	FTH Rating — 1 and 2 Hr
W Rating — Class 1 (See Item 4)	L Rating At Ambient — Less Than 1 CFM/sq ft
	L Rating At 400 F — 4 CFM/sq ft



1. Floor-Ceiling Assembly — The 1 or 2 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The F, FH Rating of the firestop system is equal to the rating of the floor-ceiling and wall assemblies. The T, FT and FTH Rating of the firestop system is 0 hr for 1 hr rated floor ceiling assembly and 1/2 hr for 2 hr rated floor ceiling assembly. The general construction features of the floor-ceiling assembly are summarized below:

A. Flooring System — Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture as specified in the individual Floor-Ceiling Design. Max diam of opening shall be 7-5/8 in. (194 mm).

B. Wood Joists — Nom 10 in (254 mm) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members with bridging as required and with ends firestopped.

C. Gypsum Board — Thickness, type, number of layers and fasteners shall be as specified in the individual Floor-Ceiling Design. Max diam of opening shall be 7-5/8 in. (194 mm).

D. Furring Channels — (Not Shown) (As required) Resilient galvanized steel furring installed in accordance with the manner specified in the individual L500 Series Designs in the Fire Resistance Directory.

1.1 Chase Wall — (Not Shown, Optional) — The through penetrants (Item 2) may be routed through a 1 or 2 hr fire-rated single, double or staggered wood stud/gypsum wallboard chase wall having a fire rating consistent with that of the floor-ceiling assembly. The chase wall shall be constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Nom 2 by 8 in. (51 by 203 mm) lumber or double nom 2 by 6 in. (51 by 152 mm) lumber studs, tightly butted. Max diam of opening shall be 7-5/8 in. (194 mm).

B. Sole Plate — Nom 2 by 8 in. (51 by 203 mm) lumber or parallel 2 by 6 in. (51 by 152 mm) lumber plates, tightly butted. Max diam of opening is 7-5/8 in. (194 mm).

C. Top Plate — The double top plate shall consist of two nom 2 by 8 in. (51 by 203 mm) lumber plates or two sets of nom 2 by 6 in. (51 by 152 mm) lumber plates tightly butted. Max diam of opening is 7-5/8 in. (194 mm).

D. Gypsum Board — Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Designs.

E. Steel Flexible Metal Conduit — Nom 2 in. (51 mm) diam (or smaller) steel flexible metal conduit.

2. See Flexible Metal Conduit (FMC) category in the Electrical Construction Materials Directory for names of manufacturers.

3. Fill, Void or Cavity Material — Sealant — Min 5/8 in. (16 mm) or 1-1/4 in. (32 mm) thickness of sealant applied within annular space, flush with the bottom surface of gypsum wallboard or lower top plate for 1 and 2 hr floors respectively. Min. 3/4 in. (19 mm) thickness of sealant applied within annular space. Flush with top surface of floor or sole plate.

HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

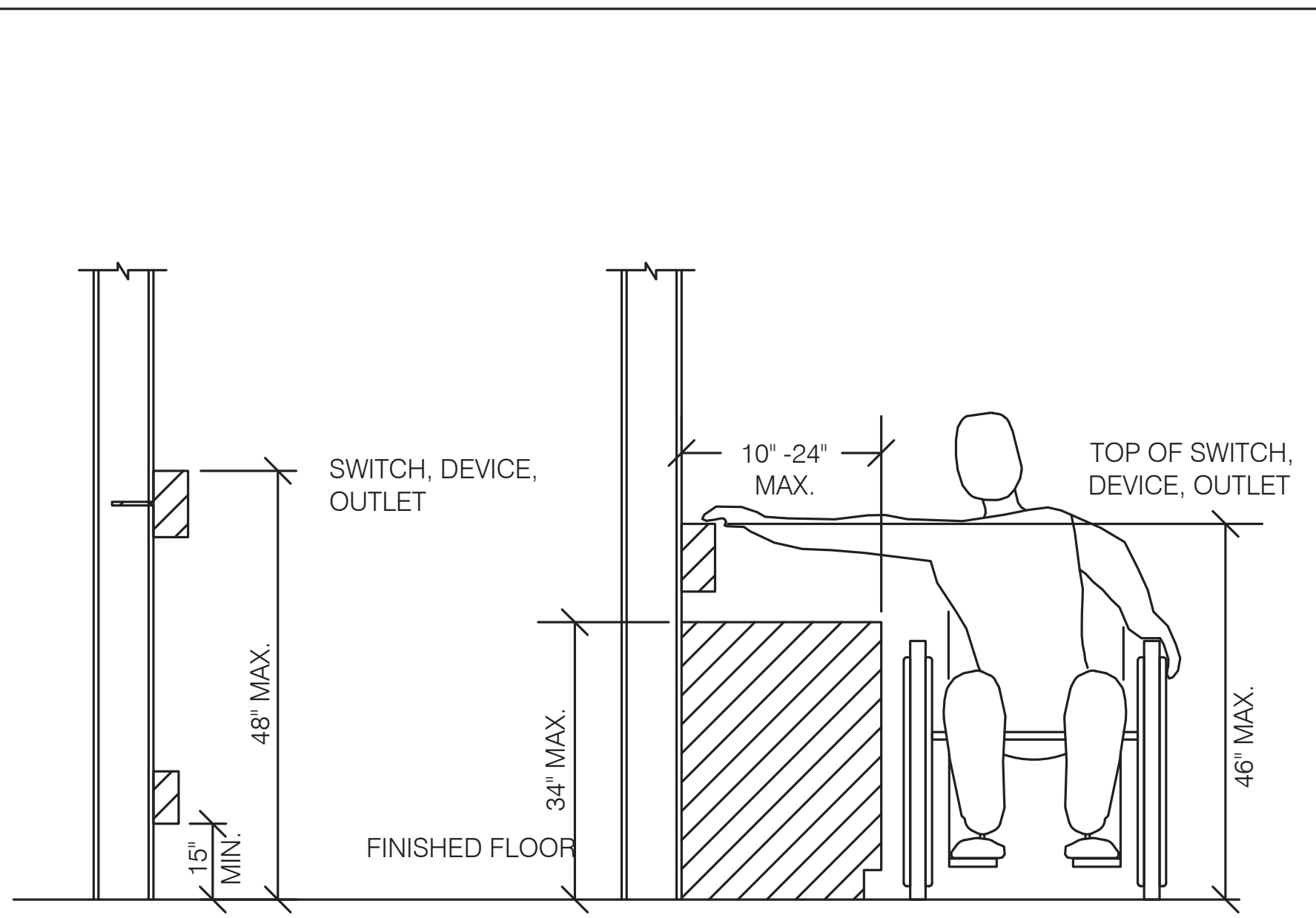
*Bearing the UL Listing Mark.

*Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

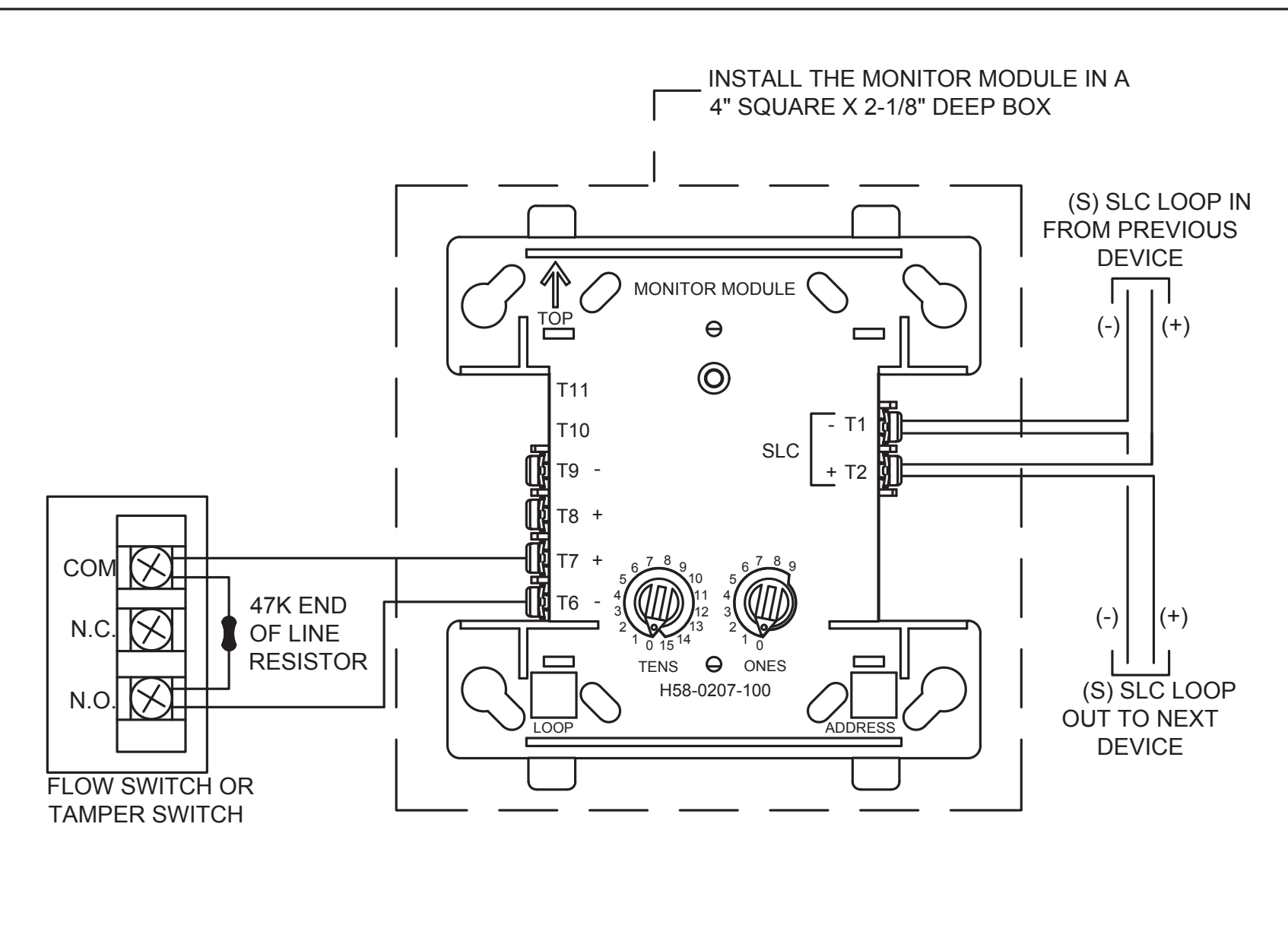


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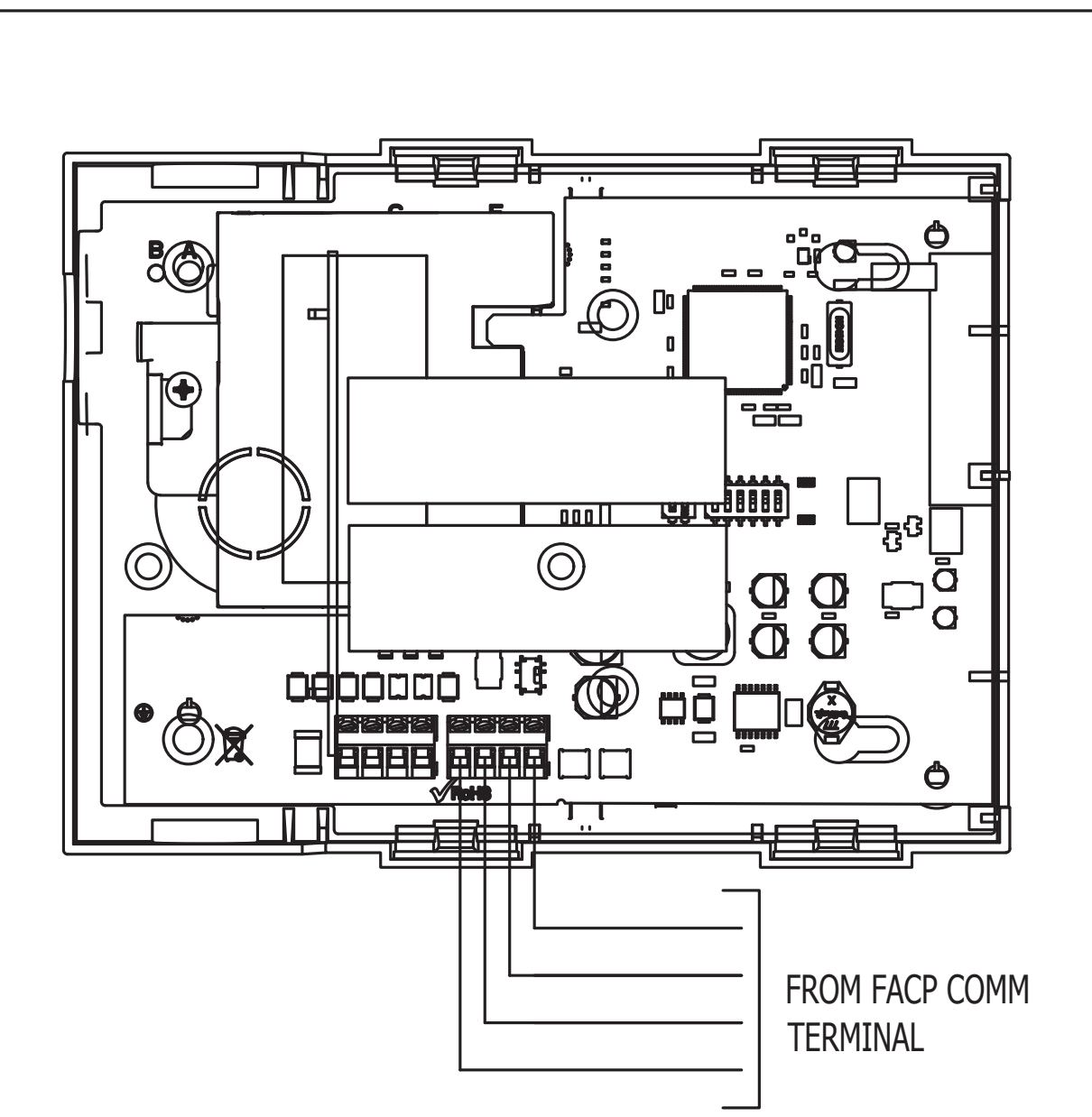
MOUNTING HEIGHT OVER OBSTRUCTION



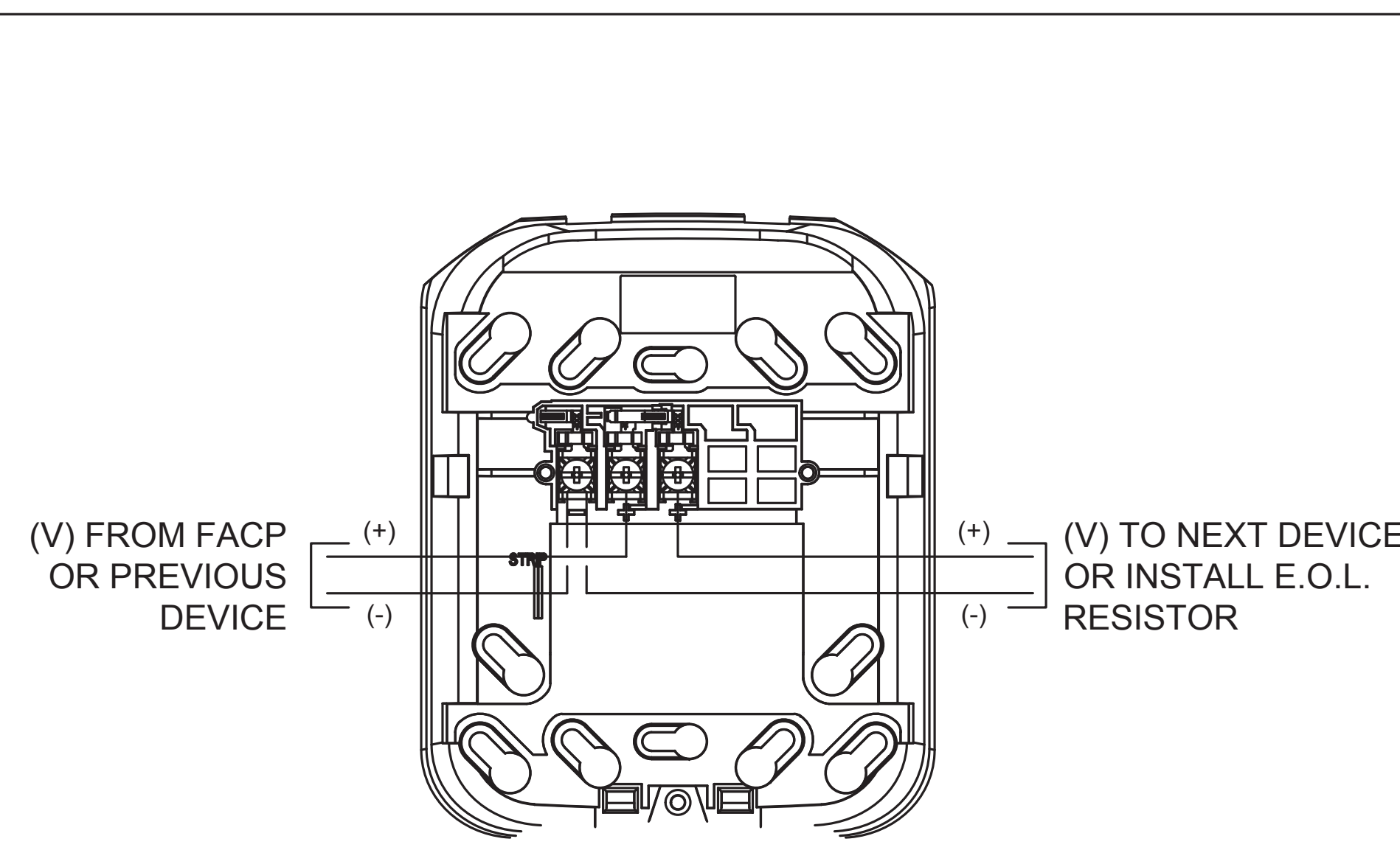
SILENT KNIGHT MONITOR MODULE WIRING DETAIL



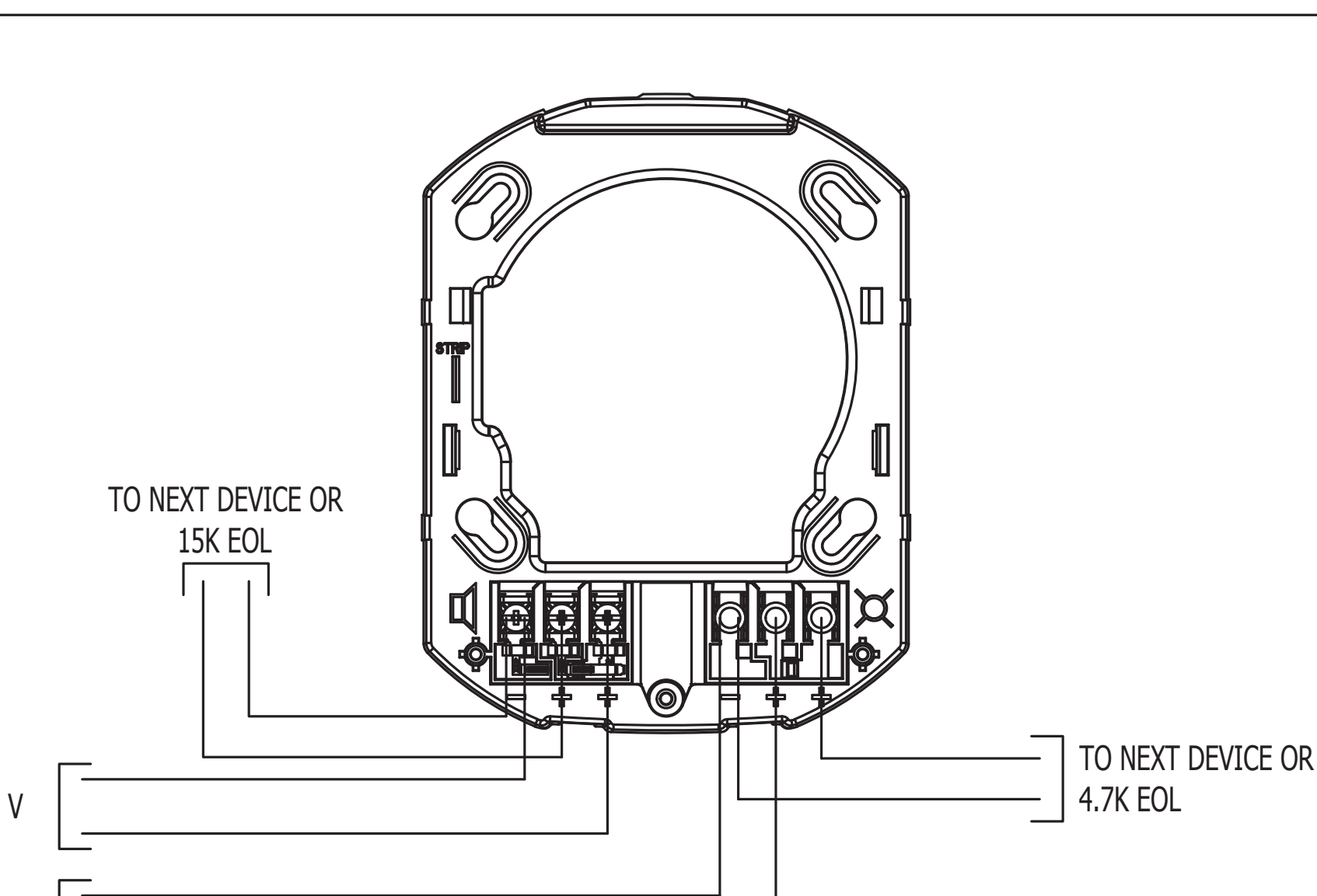
CELLULAR COMMUNICATOR WIRING DETAIL



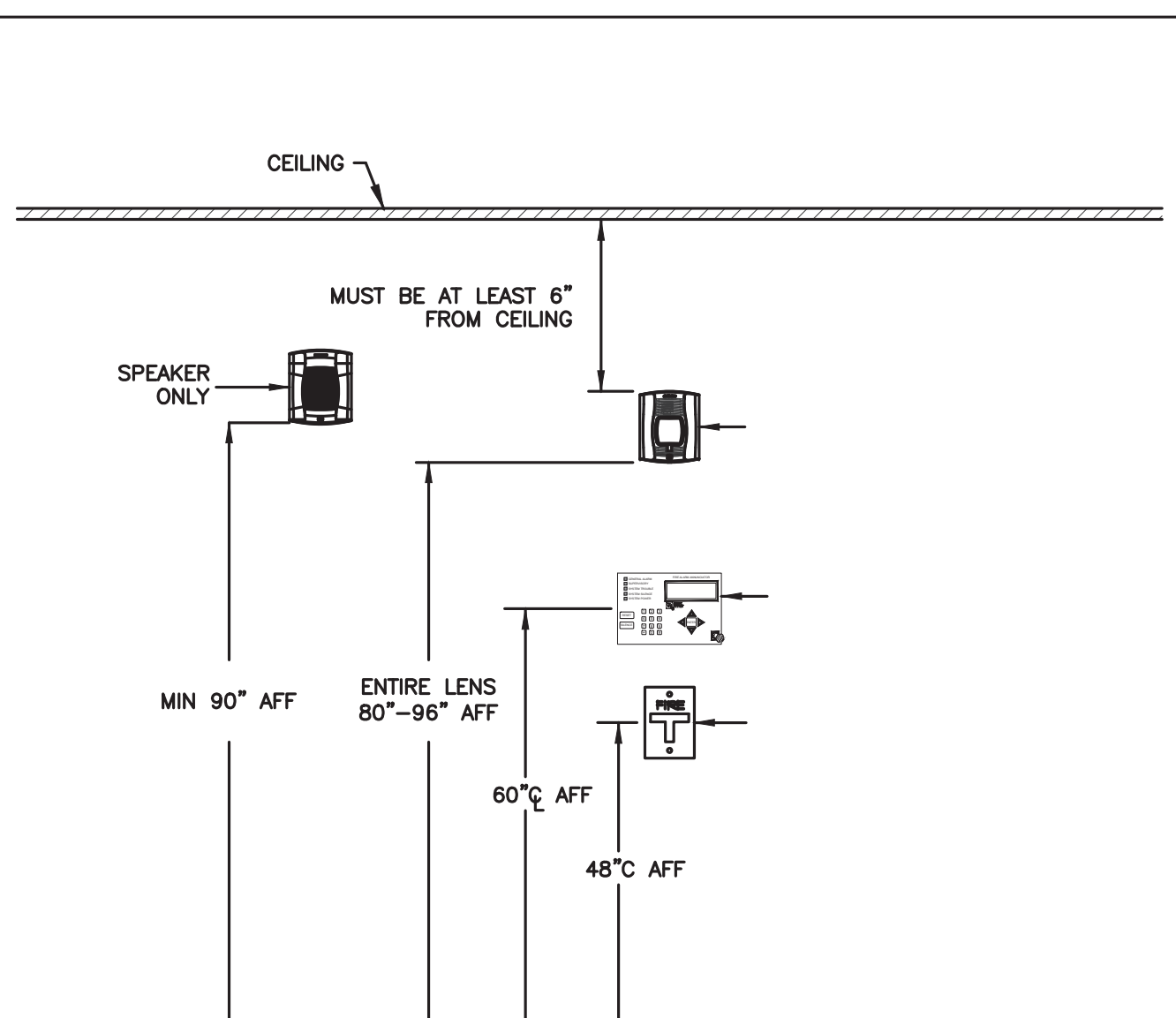
SYSTEM SENSOR HORN STROBE WIRING DETAIL



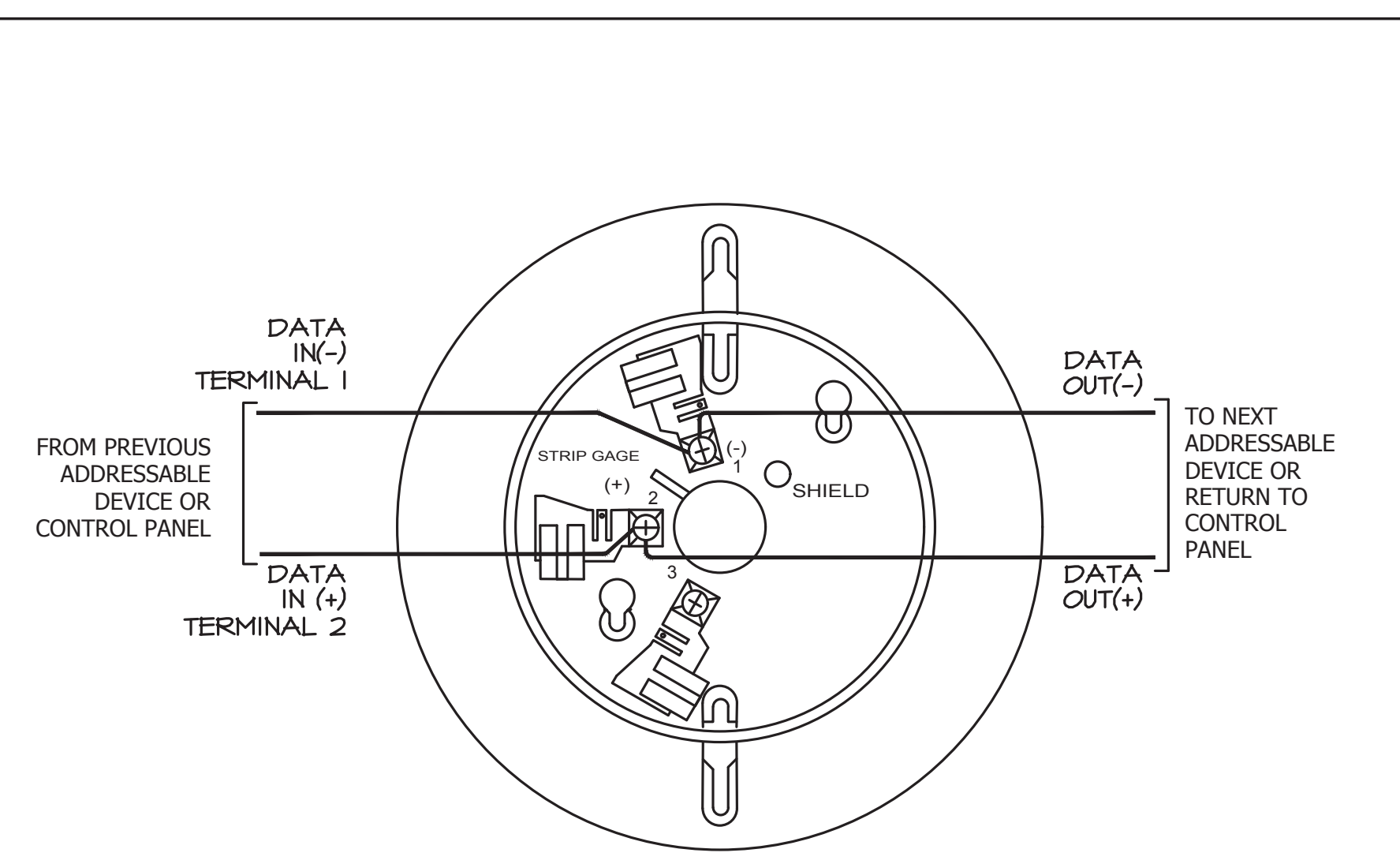
SYSTEM SENSOR SPEAKER/STROBE WIRING DETAIL



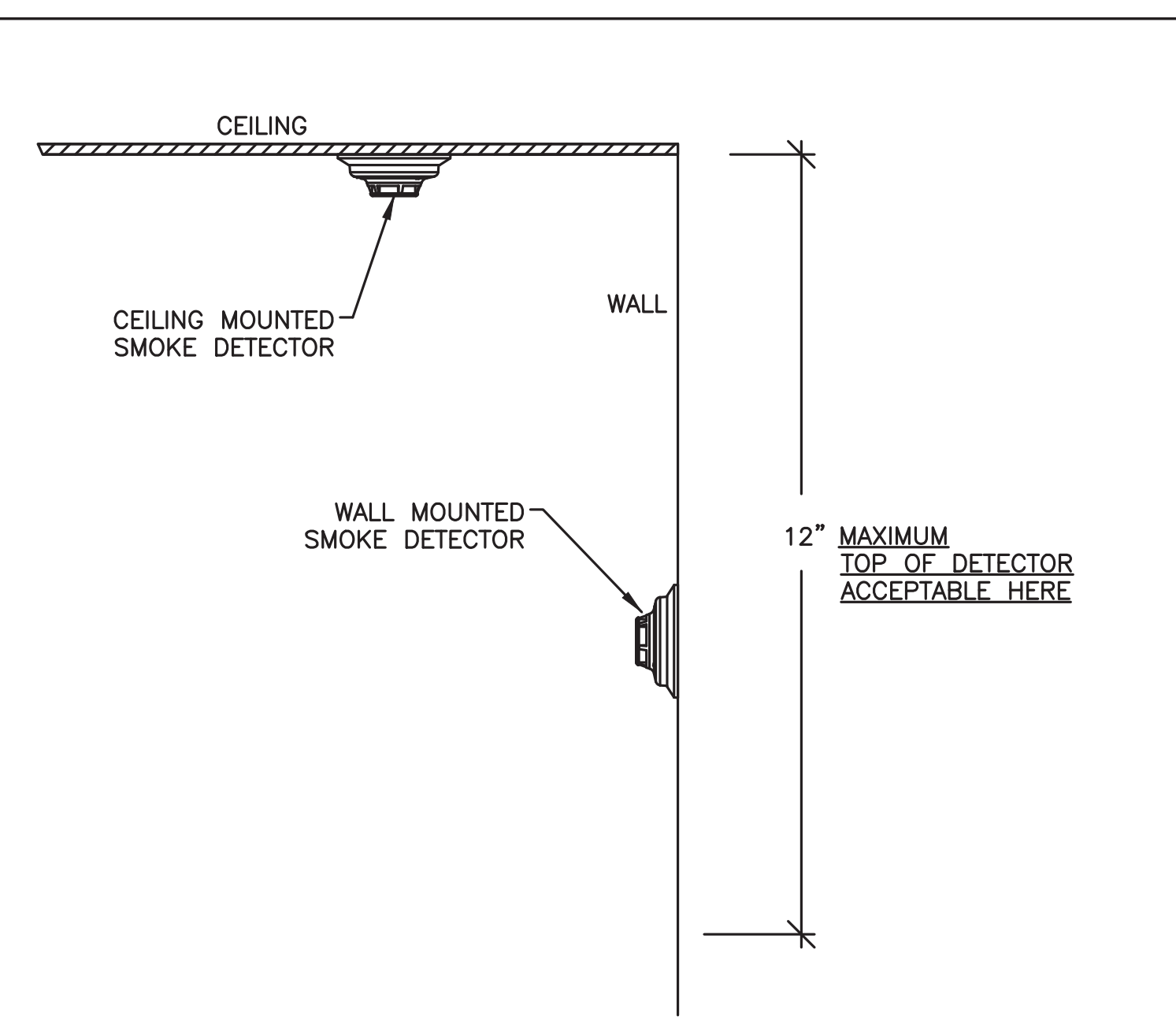
ANNUNCIATOR WIRING DETAIL



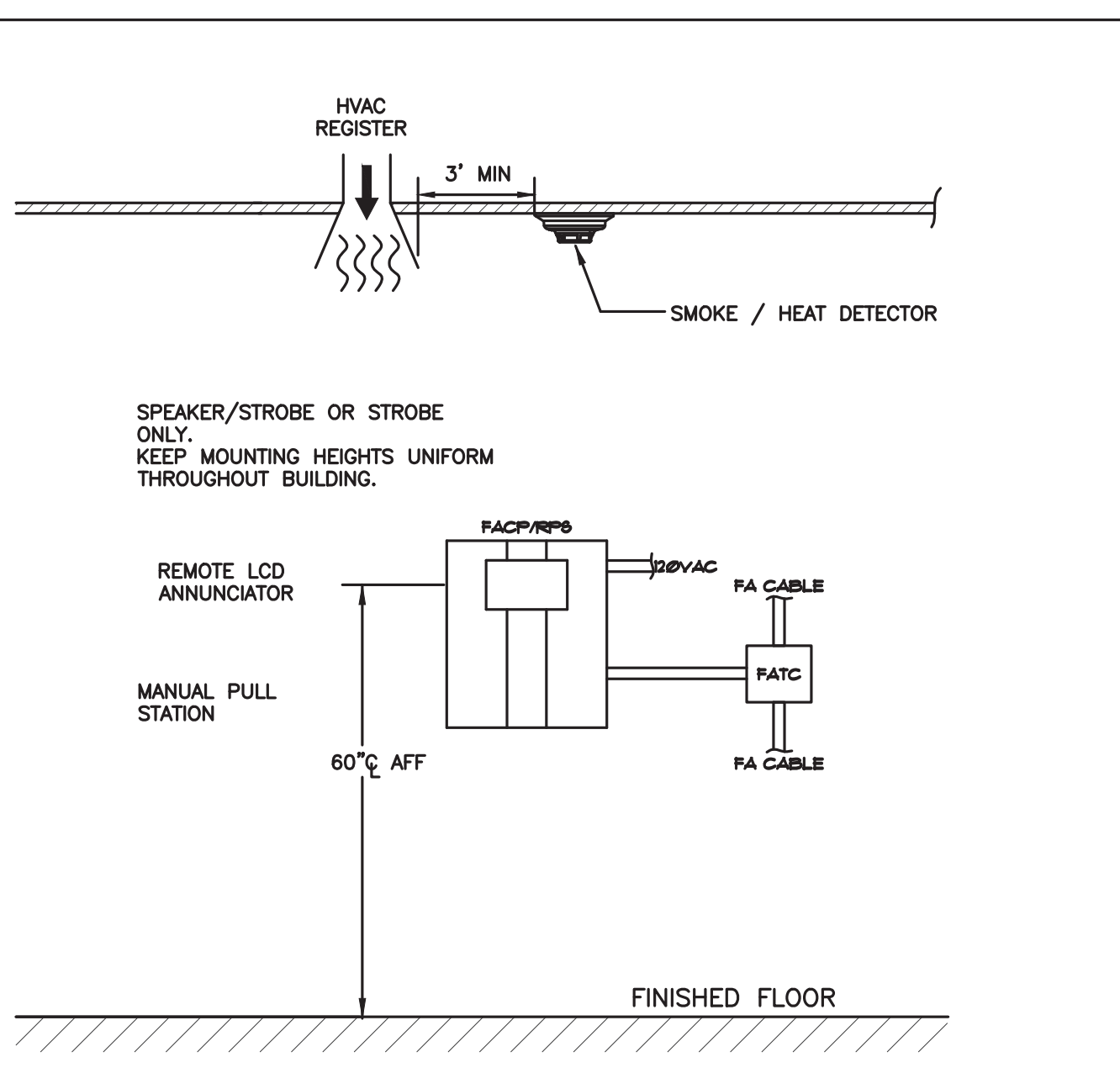
SILENT KNIGHT DETECTOR WIRING DETAIL



SMOKE DETECTOR MOUNTING DETAIL



MOUNTING HEIGHT & ROUGH-IN DETAIL



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-121326 INC.
REVIEWED FOR:
SS [x] FLS [x] ACS [x]
DATE: 05/03/2021

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FIRE ALARM DETAIL SHEET

Revisions	R&A No: A162002	Date: 4/19/2021	Drawn: LK/DS	Checked: KL	Consult: No.
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ART/DESIGN COMPLEX
MODULAR CLASSROOMS
OXNARD COLLEGE
4000 SOUTH ROSE AVENUE
OXNARD, CALIFORNIA 93003

Sheet No.
E510

