

SURGERY CENTER OF LEE'S SUMMIT
1950 SE BLUE PARKWAY
LEE'S SUMMIT, MO 64063

FIRE ALARM SYSTEM DRAWINGS

CVR	COVER SHEET
FA-00	GENERAL INFORMATION SHEET
FA-01	FIRE ALARM DEVICE LAYOUT
FA-02	RISER DIAGRAM
FA-03	CALCULATION SHEET
FA-04	PERIPHERAL WIRING DIAGRAMS
FA-05	PERIPHERAL WIRING DIAGRAMS
FA-06	PERIPHERAL WIRING DIAGRAMS
FA-07	FIRE ALARM PANEL LAYOUT



CVR	SURGERY CENTER OF LEE'S SUMMIT 1950 SE BLUE PARKWAY LEE'S SUMMIT, MO 64063	 10727 W. 128TH ST. OVERLAND PARK, KS 66213 Main Line: (913)239-8900	PROJECT #	23294FA	REV	DATE	REVISION DESCRIPTION
			ISSUE DATE	09/14/2023	0	09/14/2023	RELEASE FOR CONSTRUCTION
			DRAWN BY	L.MCCAULEY			
			CHECKED BY	L.MCCAULEY			

1. INSTALLATION OF THIS SYSTEM SHALL BE IN STRICT CONFORMANCE WITH THESE DRAWINGS; NFPA 72 AND NFPA 70 (NEC).
2. THESE DRAWINGS DEPICT OVERALL GENERAL LOCATIONS OF LIFE SAFETY EQUIPMENT & FIELD DEVICES. EXACT ROUTING OF CONDUITS AND OR CABLES IS TO BE DETERMINED IN THE FIELD BY THE INSTALLATION PERSONNEL TO FIT THE EXISTING CONDITIONS. ANY CHANGES SHALL BE CLEARLY INDICATED ON THE AS-BUILT RECORD DRAWINGS.
3. IF ANY CONDITIONS EXIST OR DIRECTION RECEIVED THAT ARE DIFFERENT FROM THESE DRAWINGS WHICH WOULD CAUSE A DELAY OR CHANGE IN THE SYSTEM, C&G GROUP SHALL BE CONTACTED IMMEDIATELY.
4. THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR MAKING AND OBTAINING APPROVAL FOR ALL NECESSARY ADJUSTMENTS IN CIRCUITING AS REQUIRED AND ALLOWED TO ACCOMMODATE THE RELOCATION OF EQUIPMENT AND/OR DEVICES WHICH ARE AFFECTED BY ANY AUTHORIZED CHANGE. ALL CHANGES SHALL BE CLEARLY INDICATED ON THE AS-BUILT RECORD DRAWINGS.
5. ALL SMOKE DETECTORS SHALL BE INSTALLED A MINIMUM OF THREE (3) FEET FROM ANY HVAC DIFFUSER.
6. SMOKE DETECTORS SHALL BE LOCATED ON THE CEILING NOT LESS THAN 4 IN. FROM A SIDEWALL TO THE NEAR EDGE OR IF ON A SIDEWALL BETWEEN 4 IN. AND 12 IN. DOWN FROM THE CEILING TO TOP OF THE DETECTOR.
7. SMOKE DETECTOR HEADS SHALL NOT BE INSTALLED PRIOR TO FINAL SITE CLEANUP PER NFPA 72. ANY TROUBLES FROM DIRTY DETECTORS INSTALLED PRIOR TO FINAL CLEANUP SHALL BE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR.
8. APPROVED SHOP DRAWINGS SHALL BE ON THE JOB SITE AT ALL TIMES.
9. DEDICATED 120VAC #12AWG, 20 AMP CIRCUITS, SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR FOR ALL FIRE ALARM PANELS AND SUB PANELS. FIRE ALARM PANELS AND SUB PANELS ARE PERMITTED TO SHARE THE SAME DEDICATED CIRCUIT. THE CIRCUIT BREAKER SHALL HAVE A CIRCUIT BREAKER LOCK INSTALLED. THE SPECIFIC LOCATION OF THE ELECTRICAL PANEL CONTAINING THE DEDICATED FIRE ALARM CIRCUIT BREAKER SHALL BE CLEARLY LABELED AT THE FIRE ALARM CONTROL PANEL AND ANY ASSOCIATED SUB PANELS.
10. SOTERIA FIRE SAFETY IS RESPONSIBLE FOR ALL SYSTEM STARTUP OPERATIONS. ANY ISSUES THAT ARISE FROM AN UNAUTHORIZED PERSON STARTING UP OR PROGRAMMING THE FIRE ALARM SYSTEM SHALL BE THE RESPONSIBILITY OF THE RESPECTIVE INDIVIDUAL OR COMPANY.
11. THE INSTALLER WILL MAINTAIN THE FIRE RESISTANCE INTEGRITY OF ALL WALL, CEILING, AND ROOF ASSEMBLIES ANY TIME THAT WORK IS NOT ACTIVELY BEING PERFORMED.
12. CIRCUITS SHALL BE IDENTIFIED IN ACCORDANCE WITH NEC SECTION 760. MARK ALL FIRE ALARM WIRES IN ACCORDANCE WITH NEC SECTION 760.
13. CABLE INSTALLED IN DUCTS, PLENUM, AND OTHER SPACES USED FOR ENVIRONMENTAL AIR SHALL BE TYPE FPLP.
14. CABLE INSTALLED IN THE VERTICAL RUNS AND PENETRATE MORE THAN ONE FLOOR OR CABLES INSTALLED IN VERTICAL RUNS IN SHAFTS SHALL BE TYPE FPLP.
15. CABLE INSTALLED IN UNDERGROUND CONDUIT OR OTHER WET LOCATIONS SHALL BE UL LISTED FOR WET LOCATIONS.
16. CIRCUITS EXTENDING BEYOND ONE BUILDING AND RUN OUTDOOR SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 70 (NEC) ARTICLES 760, 770, 725 AND 800. SURGE PROTECTION SHALL BE INSTALLED EACH TIME THE CABLE LEAVES A BUILDING OR STRUCTURE.
17. ALL WIRING, (INCLUDING SHIELDS IF APPLICABLE) MUST BE DRY AND FREE OF SHORTS AND GROUNDS.
18. ALL SHIELDED WIRE MUST HAVE SHIELD CONTINUITY AT FULL LENGTH OF THE WIRE (IF REQUIRED)
19. ONLY SYSTEM WIRING CAN BE RUN IN THE SAME CONDUIT.
20. 120VAC IS NOT PERMITTED IN THE SAME CONDUIT WITH LOW VOLTAGE WIRING.
21. MAINTAIN 40 PERCENT CONDUIT FILL RATIO AS PER NFPA 70 (NEC) REQUIREMENTS. MINIMUM CONDUIT SIZE ALLOWED IS 3/4".
22. ALL WALL MOUNTED NOTIFICATION APPLIANCES SHALL BE LOCATED SO THE BOTTOM OF THE APPLIANCE IS NOT LESS THAN 80 INCHES ABOVE THE FINISHED FLOOR AND NOT GREATER THAN 96 INCHES ABOVE THE FINISHED FLOOR.
23. THE LOCATION OF THE AUDIBLE AND VISUAL APPLIANCES SHALL BE AT A UNIFORM HEIGHT FOR ALL DEVICES.
24. ALL WALL MOUNTED AUDIBLE NOTIFICATION SHALL BE LOCATED SO THE TOP OF THE DEVICE IS NOT LESS THAN 80 INCHES ABOVE THE FINISHED FLOOR AND BELOW THE FINISHED CEILINGS OF NOT LESS THAN 6 INCHES.
25. THE CANDELA RATING OF THE STROBES OR COMBINATION AUDIBLE/STROBES SHALL BE AS SHOWN ON THE DRAWINGS.
26. ALL CABLES, CONDUITS, OR WIRE MOLD SHALL BE SECURELY FASTENED TO THE STRUCTURE. IN ACCORDANCE WITH NFPA 70, (NEC).
27. ALL DUCT SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURES INSTRUCTIONS AND IN COMPLIANCE WITH NFPA 72.
28. IF PHONE LINES FOR MONITORING OF THE FIRE ALARM PANEL IS NOT REQUIRED. CELLULAR DIALER SHALL BE USED.

APPROVAL FROM SOTERIA FIRE SAFETY.

2. ROUTING OF CONDUIT/WIRE IS FOR INFORMATION PURPOSES ONLY. ACTUAL CONDUIT/WIRE ROUTING TO BE FIELD VERIFIED.

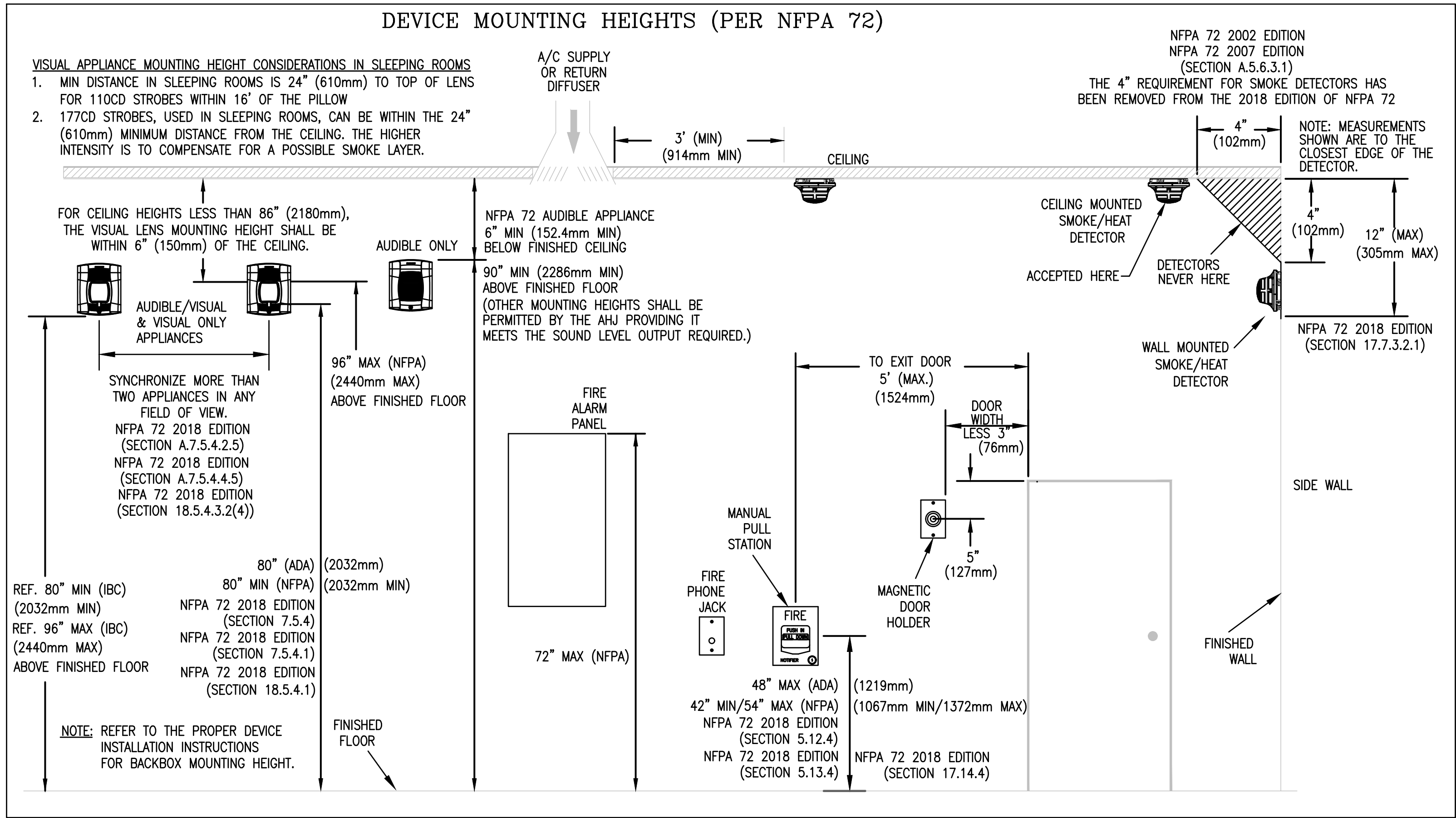
3. VOLTAGE DROP CALCULATIONS AND BATTERY CALCULATION SHALL BE UPDATED WITH AS-BUILT DRAWINGS

NEW FULL FIRE ALARM INSTALL IN NEW CONSTRUCTION. PROVIDE NEW JCI AUTOCALL FIRE ALARM CONTROL PANEL WITH EMERGENCY VOICE/ALARM COMMUNICATIONS. FIRE ALARM SYSTEM TO BE INSTALLED IN FULL CONDUIT. BUILDING IS FULLY SPRINKLED.

2018 INTERNATIONAL BUILDING CODE
2018 INTERNATIONAL FIRE CODE
2017 NATIONAL ELECTRIC CODE
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AMERICANS WITH
DISABILITIES ACT OF 1990 2009 ICC/ANSI A117.1
2022 MISSOURI 19 CSR 30-30
OCCUPANCY: IBC NEW AMBULATORY HEALTHCARE
TOTAL OCCUPANCY: 284
TOTAL SQUARE FOOTAGE: 17,920 SQFT
CONSTRUCTION TYPE: IBC II (000)

FIRE ALARM SYMBOL LEGEND		
SYMBOL	DESCRIPTION	MODEL NUMBER
	AUTOCALL A100ES FIRE ALARM PANEL 50AH BATTERY	A100ES 2081-9296
	REMOTE POWER SUPPLY 7 AH BATTERIES	A4009-9201 PS-1270
	REMOTE COMMAND CENTER	A100-9617
	MANUAL PULL STATION	A4099-9006
	SMOKE DETECTOR HEAD DETECTOR BASE	A4098-9714 A4098-9792
	HEAT DETECTOR HEAD DETECTOR BASE	A4098-9733 A4098-9792
	SMOKE DETECTOR HEAD IN-DUCT HOUSING WITH RELAY AND 4098-9824 DUCT ADAPTER	A4098-9714 A4098-9751
	SMOKE DETECTOR HEAD DUCT HOUSING AND 4098-9856 SAMPLING TUBE	A4098-9714 A4098-9755
	REMOTE TEST STATION WITH KEY SWITCH	A2098-9806
	ADDRESSABLE MONITOR MODULE MONITOR MODULE COVER MONITOR MODULE MOUNTING BRACKET	A4090-9001 A4090-9807 A4090-9810
	ADDRESSABLE RELAY MODULE RELAY MODULE COVER	A4090-9002 A4090-9802
 XXI XXW	SPEAKER STROBE, WHITE, WALL MOUNTED	A4906-9153
 XXW	SPEAKER, WHITE, CEILING MOUNTED	A4902-9721
 XXW XXI	SPEAKER STROBE, WHITE, CEILING MOUNTED	A4906-9154
 XXI WP	HORN STROBE, RED, WALL MOUNTED, WEATHERPROOF WEATHERPROOF BACK BOX	A4906-9131 A49WPBB-AVVOVR
	JUNCTION BOX	BY OTHERS
 EOL	END OF LINE RESISTOR	MULTIPLE AS NOTED IN PANEL

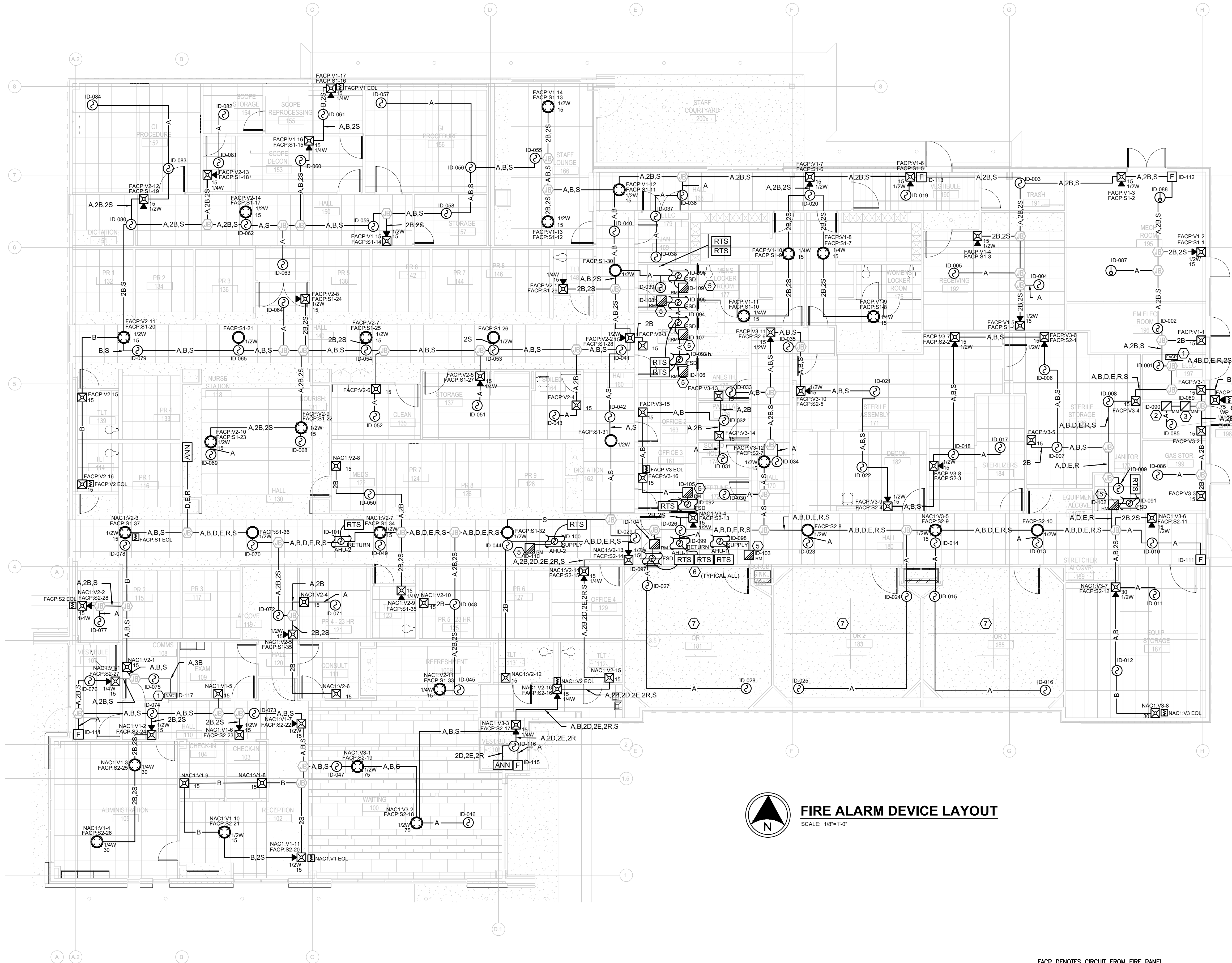
FIRE ALARM WIRE LIST (POWER LIMITED)		
A	SIGNALING DEVICE CIRCUIT - 1 PAIR 16/2 AWG SOLID FPLP NON-PLENUM RATED: FPLR	PLENUM RATED: FPLP
B	NOTIFICATION (STROBE) CIRCUIT - 1 PAIR 14/2 AWG SOLID FPLP NON-PLENUM RATED: FPLR	PLENUM RATED: FPLP
***** REFER TO SIGNAL CIRCUIT DISTANCE CHART *****		
C	INITIATING DEVICE (IDC) CIRCUIT - 1 PAIR 14/2 AWG SOLID FPLP NON-PLENUM RATED: FPLR CONDUIT ONLY: THHN	PLENUM RATED: FPLP
***** REFER TO SIGNAL CIRCUIT DISTANCE CHART *****		
D	ANNUNCIATOR RUI DATA CIRCUIT - 1 PAIR 18/2 AWG SOLID FPLP NON-PLENUM RATED: FPLR CONDUIT ONLY: THHN	PLENUM RATED: FPLP
E	24VDC POWER CIRCUIT - 1 PAIR 14/2 AWG SOLID FPLP NON-PLENUM RATED: FPLR CONDUIT ONLY: THHN	PLENUM RATED: FPLP
R	REMOTE MICROPHONE CIRCUIT - 1 PAIR 14/2 AWG TWISTED/SHIELDED NON-PLENUM RATED: FPLR	PLENUM RATED: FPLP
S	NOTIFICATION (SPEAKER) CIRCUIT - 1 PAIR 18/2 AWG TWISTED/SHIELDED FPLP NON-PLENUM RATED: FPLR	PLENUM RATED: FPLP
T	REMOTE TEST STATION CIRCUIT - 1 PAIR 14/3 AWG SOLID FPLP NON-PLENUM RATED: FPLR CONDUIT ONLY: THHN	PLENUM RATED: FPLP
* RIGID CONDUIT SHALL BE 3/4" MINIMUM *		
* HORIZONTAL CONDUIT TO TO EXCEED 75% FILL PER NFPA 70 *		
* VERTICAL CONDUIT TO TO EXCEED 50% FILL PER NFPA 70 *		
THE CABLES SPECIFIED HERE ARE FOR REFERENCE OF REQUIRED ELECTRICAL CHARACTERISTICS AS WELL AS CODE REQUIREMENTS. ALTERNATE SUPPLIERS MAY BE SUBSTITUTED PROVIDING EQUIVALENT CHARACTERISTICS ARE MAINTAINED. ITEMS SUCH AS CAPACITANCE BETWEEN CONDUCTORS AND WIRE GAUGE CAN BE CRUCIAL TO THE CIRCUIT DESIGN OF THIS SYSTEM INSTALLATION.		



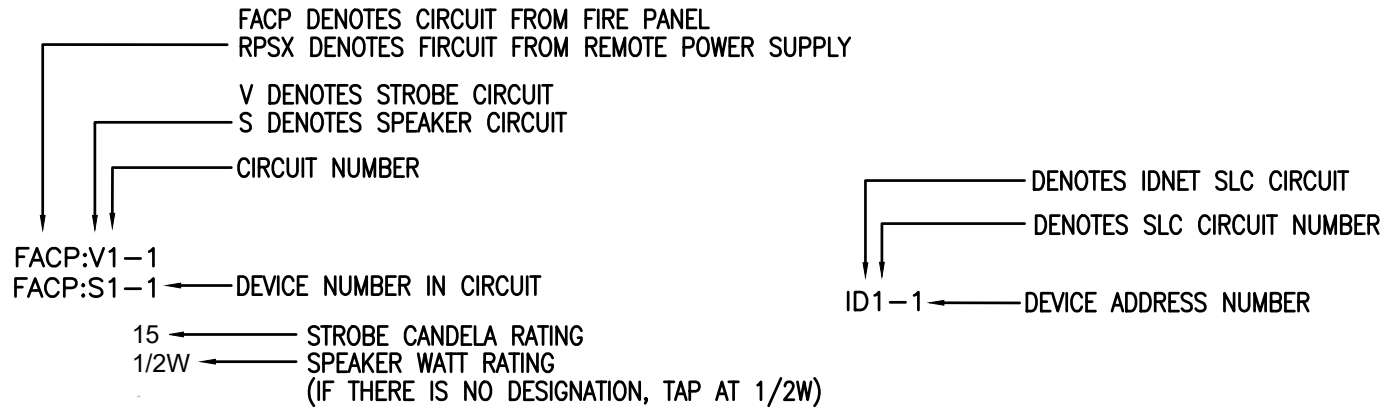
10/3/2023

SURGERY CENTER OF LEE'S SUMMIT
1950 SE BLUE PARKWAY
LEE'S SUMMIT, MO 64063

FA-00



FIRE ALARM DEVICE LAYOUT
SCALE: 1/8"=1'-0"



DEVICE NUMBERING DETAIL
NTS

FIRE ALARM SYMBOL LEGEND		
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	SMOKE DETECTOR HEAD DETECTOR BASE	A4098-9714 A4098-9792
	SMOKE DETECTOR HEAD IN-DUCT HOUSING WITH RELAY AND 4098-9824 DUCT ADAPTER	A4098-9714 A4098-9751
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	REMOTE TEST STATION WITH KEY SWITCH	A2098-9806
	ADDRESSABLE MONITOR MODULE MONITOR MODULE COVER	A4090-9001 A4090-9807 A4090-9810
	ADDRESSABLE RELAY MODULE RELAY MODULE COVER	A4090-9002 A4090-9802
	SPEAKER STROBE, WHITE, WALL MOUNTED	A4906-9153
	SPEAKER, WHITE, CEILING MOUNTED	A4902-9721
	SPEAKER STROBE, WHITE, CEILING MOUNTED	A4906-9154
	HORN STROBE, RED, WALL MOUNTED, WEATHERPROOF WEATHERPROOF BACK BOX	A4906-9131 A49WPBB-AVOWVR
	JUNCTION BOX	BY OTHERS
	END OF LINE RESISTOR	MULTIPLE AS NOTED IN PANEL

NOTE: ALL SYMBOLS MAY NOT APPLY TO EVERY FLOOR PLAN

FIRE ALARM WIRE LIST (POWER LIMITED)		
A	SIGNALING DEVICE CIRCUIT - 1 PAIR 16/2 AWG SOLID FPLP NON-PLENUM RATED: FPLP	PLENUM RATED: FPLP
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PROJECT #
23294FA

ISSUE DATE
09/14/2023

DRAWN BY
LMCCAULEY

CHECKED BY
L.MCCAULEY

REVISION DESCRIPTION
RELEASE FOR CONSTRUCTION

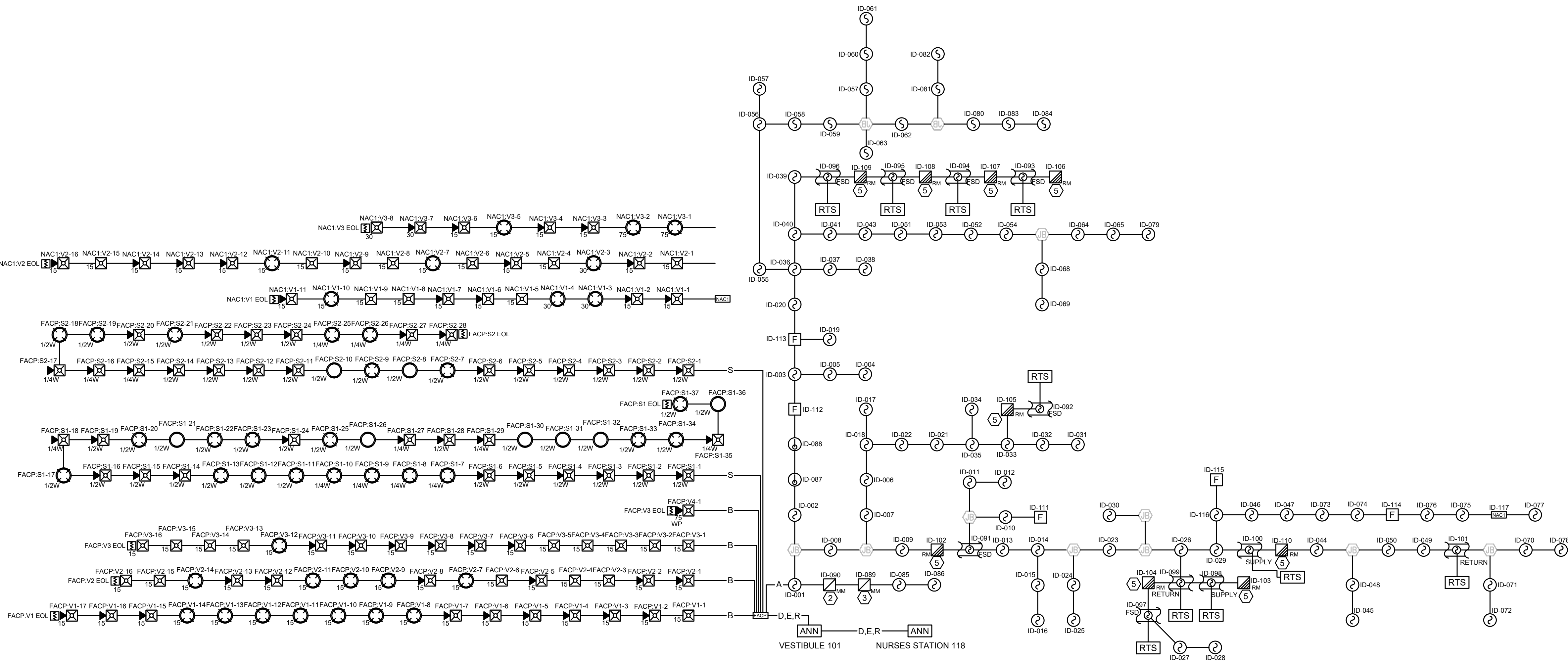
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REV
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10727 W. 128TH ST.
OVERLAND PARK, KS 66213
Main Line: (913)239-8900

SURGERY CENTER OF LEE'S SUMMIT
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FA-01

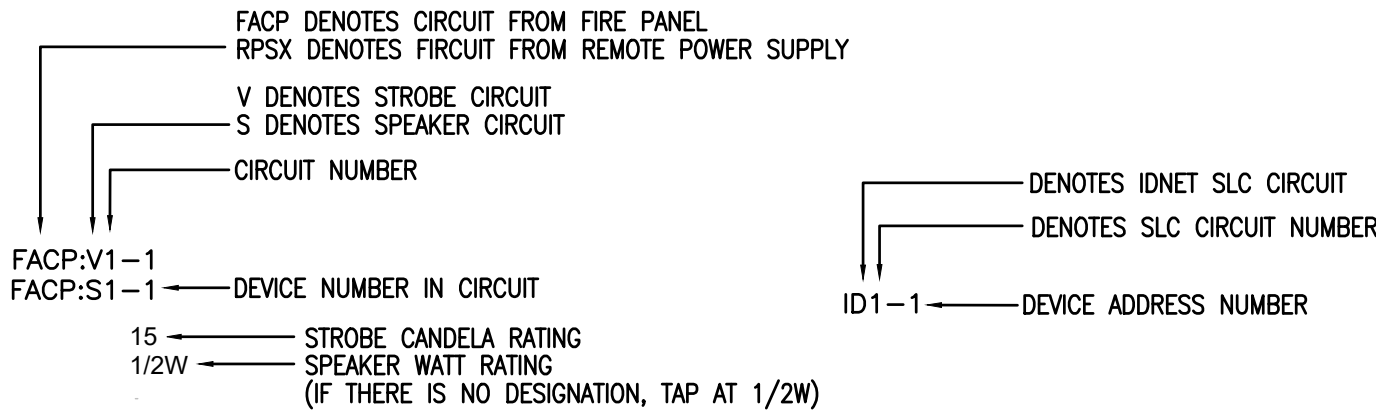


FIRE ALARM RISER DIAGRAM
SCALE: N.T.S.

FIRE ALARM SYMBOL LEGEND		
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DEVICE NUMBERING DETAIL
NTS



10/3/2023

PROJECT #
23294FA

REVISION DESCRIPTION
RELEASE FOR CONSTRUCTION

DATE
09/14/2023

REV
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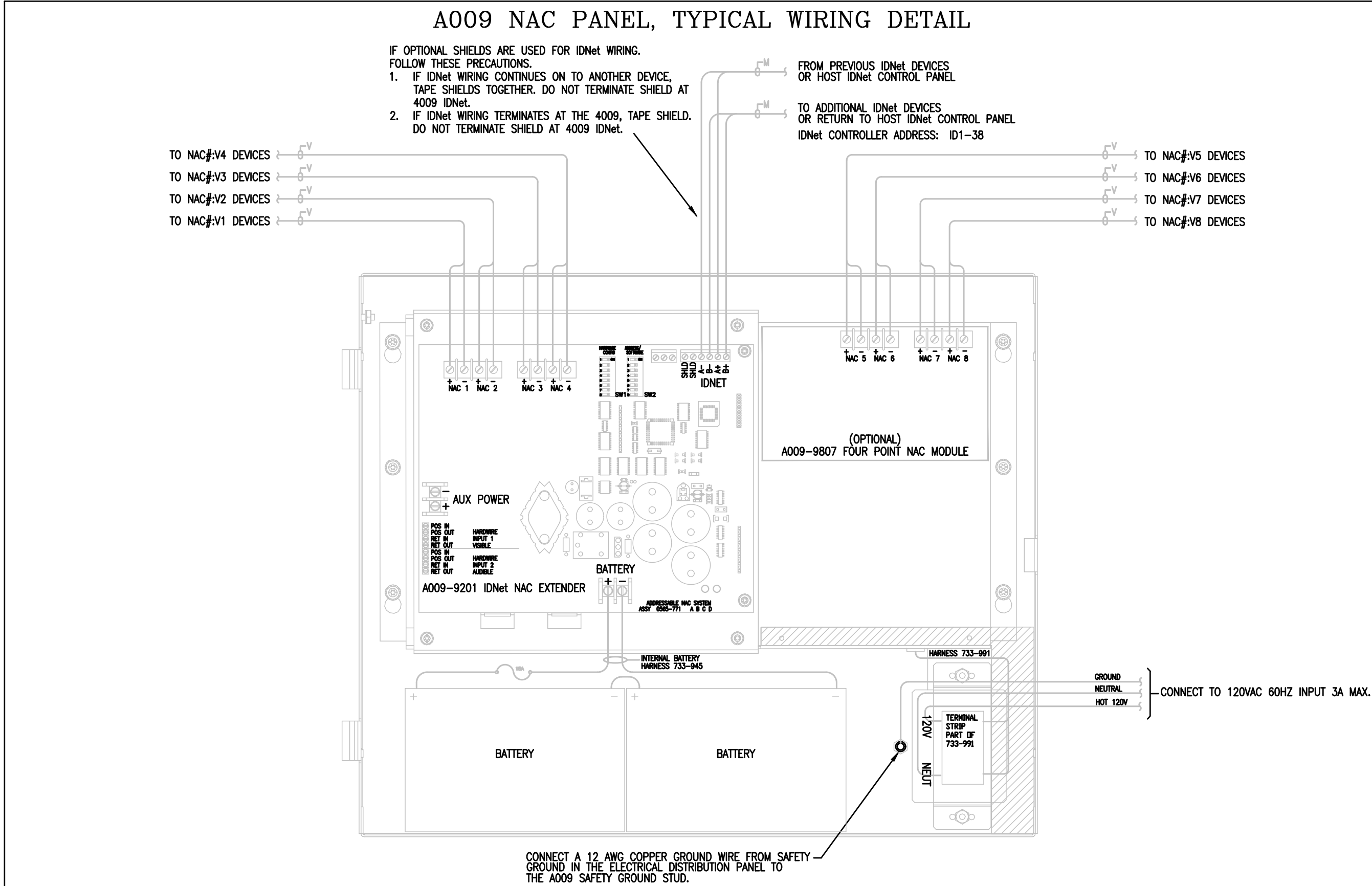
10727 W. 128TH ST.
OVERLAND PARK, KS 66213
Main Line: (913) 239-8900

OTERIA
FIRE SAFETY

SURGERY CENTER OF LEE'S SUMMIT
1950 SE BLUE PARKWAY
LEE'S SUMMIT, MO 64063

FA-02

Project Name: LEES SUMMIT AMBULATORY										Project Name: LEES SUMMIT AMBULATORY										Project Name: LEES SUMMIT AMBULATORY									
Customer Name: LAURA MCCAULEY										Customer Name: LAURA MCCAULEY										Customer Name: LAURA MCCAULEY									
Prepared By: 9/12/2023										Prepared By: 9/12/2023										Prepared By: 9/12/2023									
Date: 9/12/2023										Date: 9/12/2023										Date: 9/12/2023									
Wire Gauge: 14 AWG										Wire Gauge: 14 AWG										Wire Gauge: 14 AWG									
Wire Length: 50 Feet										Wire Length: 50 Feet										Wire Length: 50 Feet									
Unit of Measure: Feet										Unit of Measure: Feet										Unit of Measure: Feet									
Minimum Voltage: 16.0 Volts										Minimum Voltage: 16.0 Volts										Minimum Voltage: 16.0 Volts									
Starting Voltage: 20 Volts										Starting Voltage: 20 Volts										Starting Voltage: 20 Volts									
Aluminum Vd Drop: 4.0 Volts										Aluminum Vd Drop: 4.0 Volts										Aluminum Vd Drop: 4.0 Volts									
Class B Calculations										Class B Calculations										Class B Calculations									
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PRODUCT INFORMATION

FEATURES:

- UL LISTED
- ADDRESSABLE COMMUNICATIONS SUPPLY BOTH DATA AND POWER TO PROVIDE:
 - SUPERVISED STYLE B MONITORING OF NORMALLY OPEN DRY CONTACTS.
 - COMMUNICATIONS WIRING USING ONE TWISTED, SHIELDED WIRE PAIR.
 - COMPATIBLE WITH AUTOCALL ADDRESSABLE FIRE ALARM CONTROL PANELS.
- COMPACT, SEALED CONSTRUCTION:
 - ALLOWS MOUNTING IN A SINGLE GANG BOX
 - REDUCES DUST INFILTRATION
- PROVIDES CURRENT LIMITED MONITORING
 - TO MONITOR TAMPER SWITCH (SUPERVISORY) AND WATER FLOW SWITCH (ALARM) ON SAME CIRCUIT
 - REQUIRES ONLY ONE ADDRESSABLE POINT
- SELECTABLE LATCHING OPERATION
 - MONITORS MOMENTARY CONTACT CLOSURES SUCH AS RATE-OF-RISE HEAT DETECTORS

SPECIFICATIONS:

- WIRE CONNECTIONS: SCREW TERMINALS FOR IN/OUT WIRING FOR WIRE FROM #18 TO #14 AWG.
- DIMENSIONS: 1 9/16" x 1 3/4" x 1 1/4"
- TEMPERATURE RANGE: 32° F TO 158° F (0° C TO 70° C)
- HUMIDITY: UP TO 93% RH AT 100° F
- SUPERVISION RESISTOR: 6.8kΩ 1/2W, (SUPPLIED) AUTOCALL PART NO. 733-886
- RESISTOR FOR CURRENT LIMITED OPERATION: 4.7kΩ 1/2W, WITH A 1.8kΩ 1/2W
- INPUT REQUIREMENTS: NORMALLY OPEN, DRY CONTACTS
- HOUSING MATERIAL: BLACK THERMOPLASTIC

DESCRIPTION:

THE A4090-9001 IS AN ADDRESSABLE INPUT MODULE (AIM) WITH POWER AND COMMUNICATIONS SUPPLIED BY A TWO WIRE ADDRESSABLE CIRCUIT. IT PROVIDES LOCATION SPECIFIC ADDRESSABILITY TO A SINGLE INITIATING DEVICE (SUCH AS SINGLE STATION SMOKE DETECTOR ALARM CONTACTS OR HEAT DETECTOR CONTACTS) OR MULTIPLE DEVICES AT THE SAME LOCATION BY MONITORING NORMALLY OPEN, DRY CONTACTS AND THE WIRING TO AN END-OF-LINE RESISTOR. CLOSURE OF THE MONITORED CONTACTS INITIATES AN ALARM OR OTHER RESPONSE (AS PROGRAMMED) AT THE FIRE ALARM CONTROL PANEL. AN OPEN IN THE MONITORED CIRCUIT WIRING WILL CAUSE A TROUBLE TO BE REPORTED. IF THE INITIATING DEVICE CONTACTS ARE MOMENTARY, SUCH AS FROM A RATE-OF-RISE HEAT DETECTOR, ENABLING THE LATCH FEATURE WILL MAINTAIN THE ALARM CONDITION UNTIL THE SYSTEM IS RESET. FOR APPLICATIONS WHERE THE CONTACT CLOSURE LATCHES, OR IF ITS CONDITION NEEDS TO BE TRACED AT THE CONTROL PANEL NON-LATCHING OPERATION MAY BE ENABLED.

WIRING NOTES:

- ALL WIRING TO COMPLY WITH LOCAL CODE.
- CONDUCTORS MUST TEST FREE OF ALL GROUNDS.
- ONLY N.O. DRY CONTACTS ARE ALLOWED.
- MAXIMUM WIRE LENGTH (NO. 18 AWG) IS 400 FT. W/A2001-9044 OVER VOLTAGE PROTECTORS OR 400 FT. W/O PROTECTORS.
- A MAXIMUM QUANTITY OF DEVICES PER CIRCUIT: CONTROL PANEL MODULE DEPENDENT
- IF SHIELD IS PRESENT, CONNECT TO THE OUTGOING IDNet SHIELD TO PROVIDE A CONTINUOUS SHIELD OVER THE LENGTH OF THE IDNet CHANNEL. METHOD OF SPLICE DETERMINED BY AHJ.
- REFER TO INSTALLATION INSTRUCTIONS 574-331AC.
- MAXIMUM ALLOWABLE LINE RUN FROM THE F.A.C.P. TO THE FARTHEST DEVICE, NOT TO EXCEED 2500 FEET.
- MAXIMUM TOTAL WIRE (INCLUDING ALL T-TAPS) FROM THE FIRE ALARM CONTROL PANEL
- FOR STYLE B CIRCUIT WIRING IT IS RECOMMENDED THAT THE PRIMARY (R) AND THE BACK-UP (B) LINES BE IN SEPARATE WIRE RUNS AND IN COMPLIANCE WITH LOCAL REQUIREMENTS.

PRODUCT INFORMATION

FEATURES:

- UL LISTED
 - A SINGLE ADDRESSABLE POINT BOTH CONTROLS A 2A FORM "C" CONTACT AND TRACKS ITS STATUS
 - COMPATIBLE WITH AUTOCALL ADDRESSABLE FIRE ALARM CONTROL PANELS
 - LATCHING RELAY DESIGN ALLOWS DATA AND POWER TO BE BOTH SUPPLIED BY IDNet COMMUNICATIONS
 - COMPACT, SEALED CONSTRUCTION:
 - SCREW TERMINALS FOR WIRING CONNECTIONS
 - REDUCES DUST INFILTRATION
- SPECIFICATIONS:
- RELAY IAW POWER: SUPPLIED BY IDNet COMMUNICATIONS
 - RELAY IAW CONTACTS (FORM "C", SPDT)
 - POWER LIMITED RATING: 2A @ 24VDC, TRANSIENT SUPPRESSED LOADS, 1A @ 24VDC FOR INDUCTIVE LOADS
 - NON POWER LIMITED RATING: 1/2A @ 24VAC, TRANSIENT SUPPRESSED LOADS, 1A @ 24 VDC FOR INDUCTIVE LOADS
 - WIRE CONNECTIONS: SCREW TERMINALS FOR IN/OUT WIRING, #18 TO #14 AWG WIRE
 - COMPATIBLE WITH AUTOCALL A2081-9044 OVER VOLTAGE PROTECTORS
 - DIMENSIONS: 4 1/8" h x 4 1/8" w x 1 3/8" d (105mm x 105mm x 35mm)
 - HOUSING MATERIAL: BLACK THERMOPLASTIC
 - MOUNTING PLATE MATERIAL: SHEET METAL, GALVANIZED
 - TEMPERATURE RANGE: 32° F TO 120° F (0° C TO 49° C)
 - INTENDED FOR INDOOR OPERATION
 - HUMIDITY RANGE UP TO 93% RH AT 100° F (38° C)

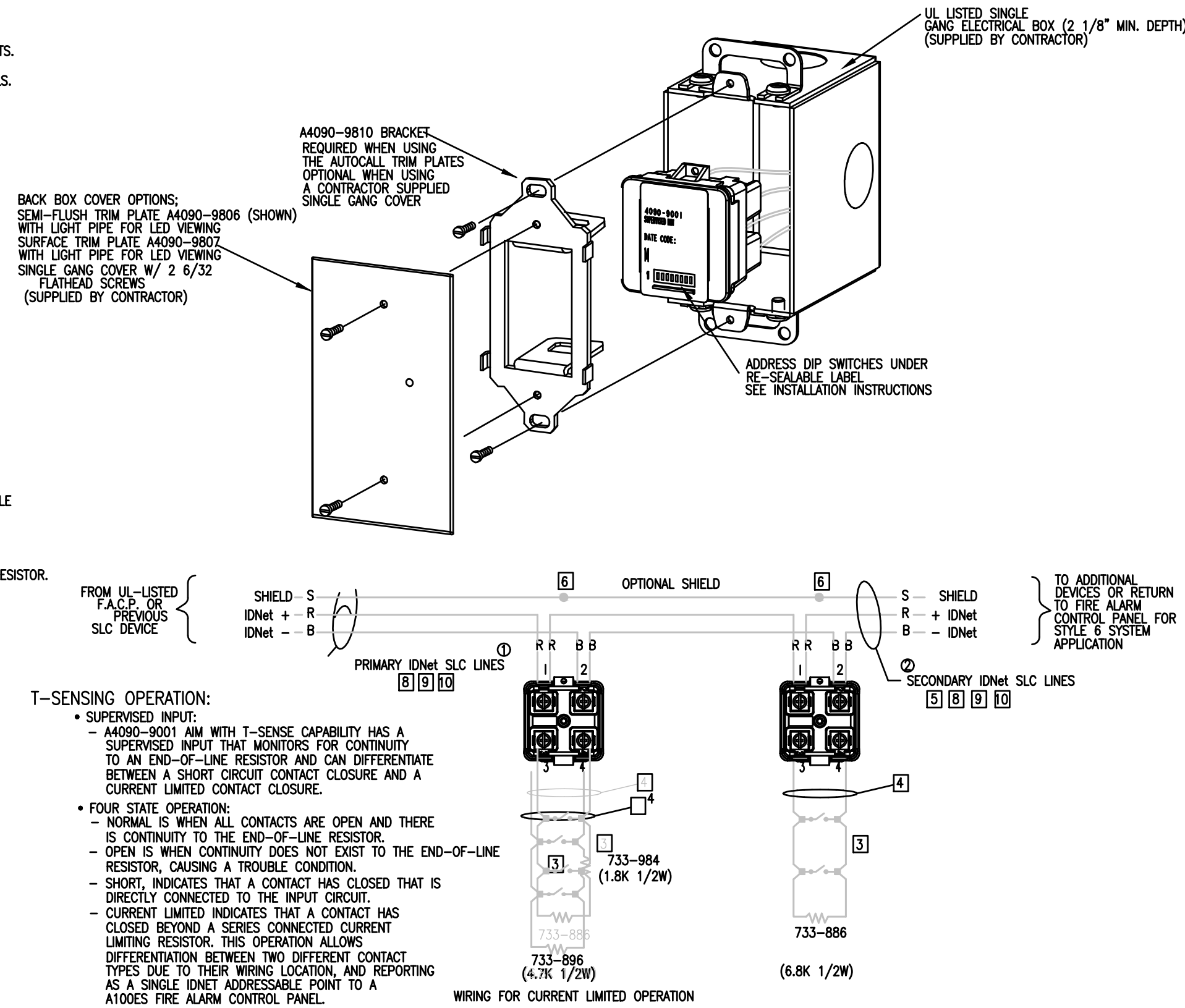
DESCRIPTION:

IDNet SLC RELAY MODULES ALLOW THE AUTOCALL FIRE ALARM CONTROL PANEL TO CONTROL A REMOTELY LOCATED FORM "C" CONTACT USING IDNet ADDRESSABLE COMMUNICATIONS FOR BOTH DATA AND POWER. TYPICAL APPLICATIONS WOULD BE FOR SWITCHING LOCAL POWER FOR CONTROL FUNCTIONS SUCH AS ELEVATOR CAPTURE, OR CONTROL OF HVAC COMPONENTS, PRESSURIZATION FANS, DAMPERS, ETC. RELAY STATUS IS ALSO COMMUNICATED REQUIRING ONLY ONE DEVICE ADDRESS.

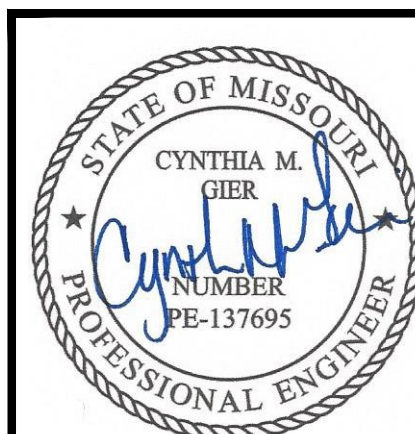
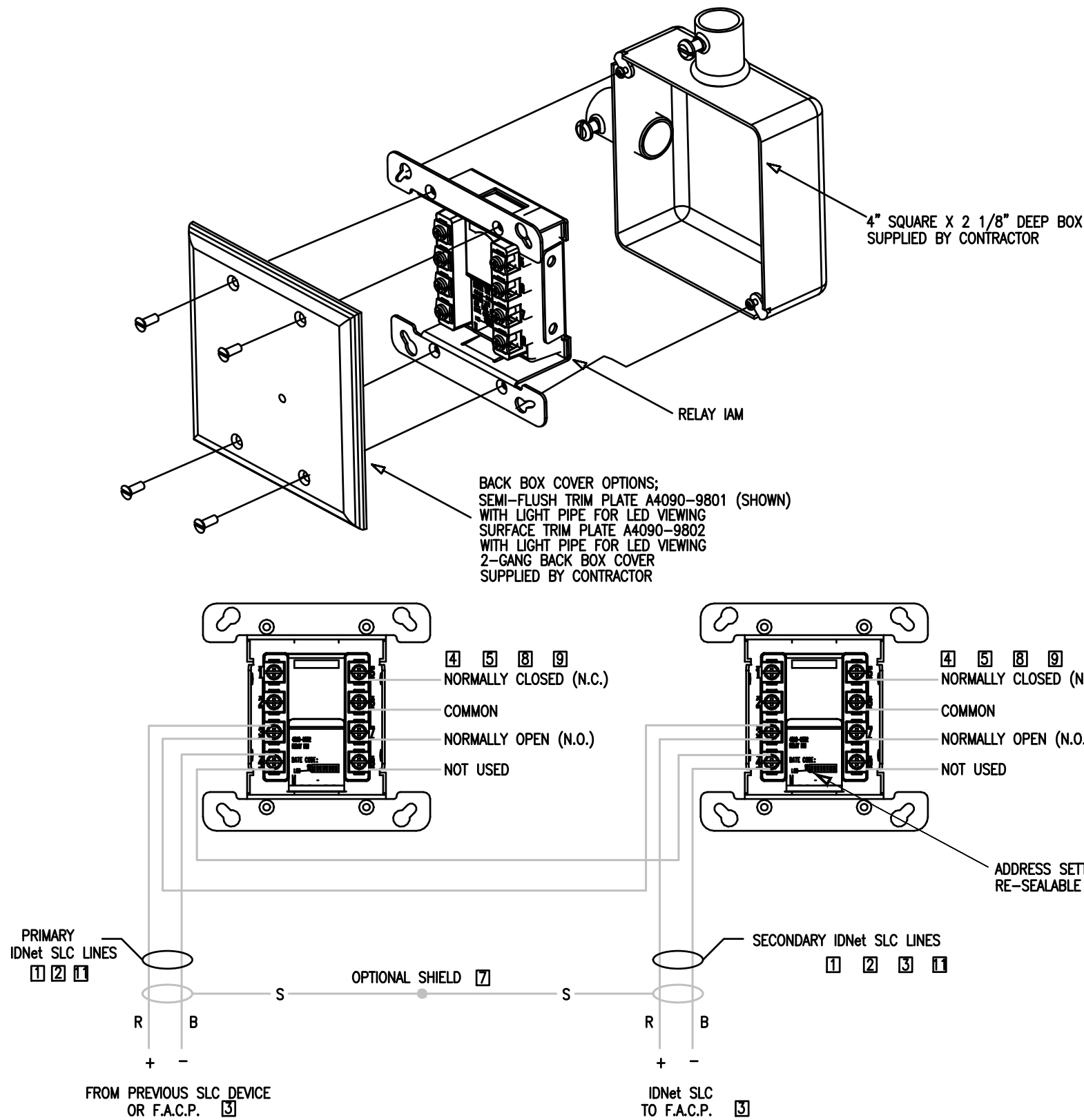
WIRING NOTES:

- IDNet LINES ARE TO BE #18 AWG TWISTED PAIR (CONSULT SALES ENGINEERING FOR EXCEPTIONS).
- MAXIMUM ALLOWABLE LINE RUN, FROM THE F.A.C.P. TO THE FARTHEST DEVICE, NOT TO EXCEED 2500 FEET.
- MAXIMUM QUANTITY OF DEVICES PER CIRCUIT: CONTROL PANEL MODULE DEPENDENT
- CONTRACTOR WIRING TO RELAY CONTACTS IS UNSUPERVISED. USE #14 AWG WIRE TO LOCAL CODE.
- RELAY CONTACTS RATED 2A, 24VDC (1A FOR INDUCTIVE LOAD) RELAY CONTACTS RATED 0.5A 120VAC (NON POWER LIMITED) FOR POWER-LIMITED OPERATION, POWER MUST BE PROVIDED FROM FACP OR POWER-LIMITED POWER SUPPLY LISTED FOR FIRE PROTECTIVE SIGNALING USE.
- SEE INSTALLATION INSTRUCTIONS 574-1844C.
- IF SHIELD IS PRESENT, CONNECT TO THE OUTGOING IDNet SHIELD TO PROVIDE A CONTINUOUS SHIELD OVER THE LENGTH OF THE IDNet CHANNEL. METHOD OF SPLICE DETERMINED BY AHJ.
- WHEN CONNECTED TO A NON POWER-LIMITED SOURCE, THE WIRING MUST MAINTAIN A MINIMUM 1/4 INCH SEPARATION FROM IDNet WIRING.
- WHEN USED WITH NON POWER-LIMITED SOURCE, THE "POWER LIMITED WIRING" INDICATION ON THE DEVICE LABEL MUST BE OBLITERATED.
- WHEN BOTH POWER-LIMITED AND NON POWER-LIMITED SOURCES ARE PRESENT, USE TYPE FPL, FPLR OR FPLP POWER LIMITED CABLE FOR POWER-LIMITED CIRCUITS.
- MAXIMUM TOTAL WIRE (INCLUDING ALL T-TAPS) ON CIRCUIT, FROM THE F.A.C.P. NOT TO EXCEED 10,000 FEET OR .58uF. (CLASS B ONLY)
- REFER TO FIELD WIRING DIAGRAM 842-073

A4090-9001 IDNet SLC, SUPERVISED ADDRESSABLE INPUT MODULE (AIM)



A4090-9002 IDNet SLC, INDIVIDUAL ADDRESSABLE OUTPUT MODULE RELAY (AOM)



10/3/2023

SURGERY CENTER OF LEE'S SUMMIT
1950 SE BLUE PARKWAY
LEE'S SUMMIT, MO 64063

FA-04

OTERIA
FIRE SAFETY

10727 W. 128TH ST.
OVERLAND PARK, KS 66213
Main Line: (913) 239-8900

PROJECT #
23294FA
ISSUE DATE 09/14/2023
DRAWN BY LMCCAULEY
CHECKED BY LMCCAULEY

REV 0
DATE 09/14/2023

REVISION DESCRIPTION
RELEASE FOR CONSTRUCTION

PRODUCT INFORMATION

FEATURES:

- UL LISTED TO STANDARD 268, SMOKE DETECTORS FOR FIRE ALARM SIGNALING SYSTEMS AND STANDARD 2075, GAS AND VAPOR DETECTORS AND SENSORS; ALLOWING SYSTEMS TO BE LISTED TO STANDARD 2034, SINGLE AND MULTIPLE STATION CARBON MONOXIDE ALARMS.
- CO SENSOR BASES SUPPORT (AND REQUIRE) A TRUEALARM PHOTOELECTRIC, PHOTO/HEAT OR HEAT SENSOR.
- PHOTOELECTRIC SMOKE SENSOR A4098-9714:
 - MULTI-SENSOR A4098-9754
 - SEVEN LEVELS OF SENSITIVITY FROM 0.2% TO 3.7%
- HEAT SENSOR A4098-9733:
 - RATE-OF-RISE TEMPERATURE DETECTION IS SELECTABLE AT THE CONTROL PANEL FOR EITHER 15°F (-9°C) OR 20°F (-6.7°C) PER MINUTE
 - FIXED TEMPERATURE SENSING IS INDEPENDENT OF RATE-OF-RISE AND PROGRAMMABLE TO OPERATE AT 135°F (57°C) OR 155°F (68°C)
 - TRUEALARM HEAT SENSORS CAN BE PROGRAMMED AS A UTILITY DEVICE TO MONITOR FOR TEMPERATURE EXTREMES IN THE RANGE FROM 32°F TO 155°F (0°C TO 68°C).
 - UL STANDARD SPACING: 60 FT (18.3 M) SPACING FOR 135°F (57°C) 40 FT (12.2 M) SPACING FOR 155°F (68°C)
- CO SENSOR BASES ARE MULTI-POINT DEVICES, CONSUME ONLY ONE IDNet ADDRESS, AND RECEIVE BOTH COMMUNICATIONS AND SENSOR POWER FROM THE IDNet CHANNEL.
- MAGNETIC TEST FEATURE
- LOCKING ANTI-TAMPER DESIGN
- INTEGRAL RED LED FOR POWER-ON (PULSING), OR ALARM OR TROUBLE (STEADY ON)
- BASE MOUNTED ADDRESS SELECTION:
 - ACCESSIBLE FROM FRONT (DIP SWITCH UNDER SENSOR)
 - ADDRESS REMAINS WITH ITS PROGRAMMED LOCATION
- FOR USE WITH AUTOCALL ADDRESSABLE SERIES CONTROL PANELS.
- MAXIMUM QUANTITY OF DEVICES: 250 FOR A100ES IDNet CHANNEL
- MOUNTING: CEILING OR WALL
- COLOR : FROST WHITE
- BASE DIMENSIONS: 1-1/8" X 6-7/16" (2.85 CM X 16.5 CM)

SPECIFICATIONS:

- UL LISTED TEMPERATURE RANGE: 32°F TO 100°F (0°C TO 38°C)
- OPERATING TEMPERATURE RANGE: 32°F TO 122°F (0°C TO 50°C)
- HUMIDITY RANGE: 10% TO 95% RH
- PHOTOELECTRIC SENSOR AIR VELOCITY RANGE: 0-2000 FT/MIN (610 M/MIN)
- CO SENSOR SPECIFICATIONS

UL 2034 REQUIREMENTS REFERENCE	70 PPM CONCENTRATION	ALARM WINDOW 60 TO 240 MINUTES
	150 PPM CONCENTRATION	ALARM WINDOW 10 TO 50 MINUTES
	400 PPM CONCENTRATION	ALARM WINDOW 4 TO 15 MINUTES

DESCRIPTION:

TRUEALARM SENSOR BASES CONTAIN INTEGRAL ADDRESSABLE ELECTRONICS THAT CONSTANTLY MONITOR THE STATUS OF THE DETACHABLE PHOTOELECTRIC, OR HEAT SENSORS. EACH SENSOR'S OUTPUT IS DIGITIZED AND TRANSMITTED TO THE SYSTEM FIRE ALARM CONTROL PANEL EVERY FOUR SECONDS.

THREE TYPES OF CO INFLUENCED OPERATION ARE AVAILABLE:

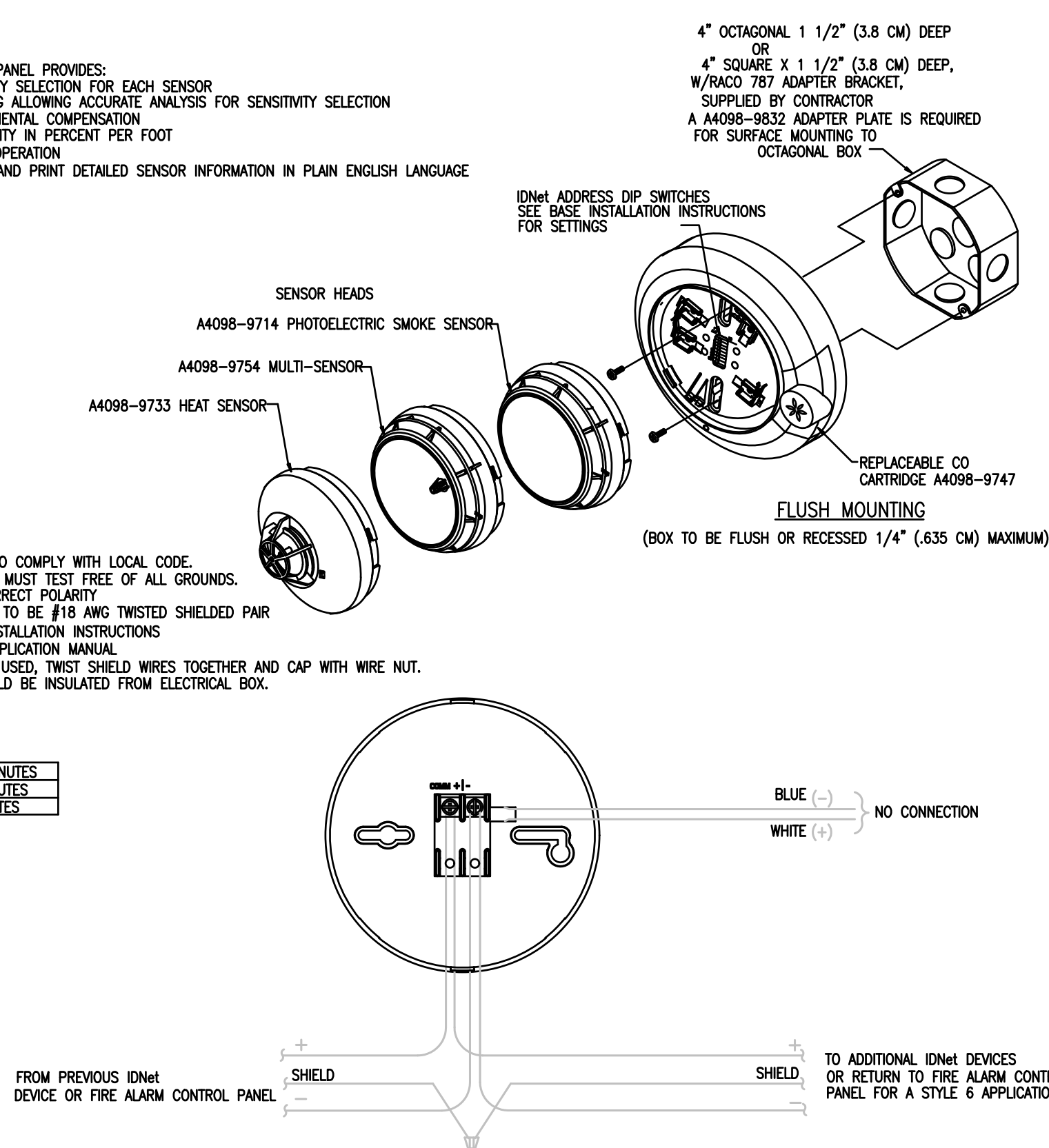
- UL 2034 CO ALARM DETECTION: UL 2075 CO (CSHA) LEVEL MONITORING FOR VENTILATION CONTROL;
- AND MULTI-CRITERIA FIRE SENSOR ANALYSIS WITH ALGORITHMS THAT COMBINES OPTICAL AND CO GAS MONITORING INFORMATION OPERATION OF A CO SENSOR BASE WITH A PHOTOELECTRIC OR A PHOTO/HEAT SENSOR. ALLOWS:
 - INDEPENDENT SENSOR OPERATION OR SELECTABLE MULTI-SENSOR MODES OF FALSE ALARM REDUCTION OR FASTER DETECTION
 - FALSE ALARM REDUCTION ANALYZES CO AND PHOTOELECTRIC SENSOR INFORMATION TOGETHER TO PROVIDE A SOPHISTICATED REJECTION OF NON-FIRE CONDITIONS NORMALLY TROUBLESOME AS FALSE ALARMS (STEAM, DUST, AEROSOLS, ETC.)
 - FASTER DETECTION (INCREASED SENSITIVITY) ALGORITHM ANALYZES CO AND PHOTOELECTRIC SENSOR INFORMATION TO ALLOW THE PRESENCE OF CO TO IMPLEMENT AN INCREASED PHOTOELECTRIC SENSITIVITY FOR HIGH VALUE LOCATIONS (MUSEUMS, ELECTRICAL EQUIPMENT ROOMS, ETC.)

A4098-9770 CO SENSOR BASE

- FIRE ALARM CONTROL PANEL PROVIDES:
 - INDIVIDUAL SENSITIVITY SELECTION FOR EACH SENSOR
 - PEAK VALUE LOGGING ALLOWING ACCURATE ANALYSIS FOR SENSITIVITY SELECTION
 - AUTOMATIC ENVIRONMENTAL COMPENSATION
 - DISPLAY OF SENSITIVITY IN PERCENT PER FOOT
 - MULTISTAGE ALARM OPERATION
 - ABILITY TO DISPLAY AND PRINT DETAILED SENSOR INFORMATION IN PLAIN ENGLISH LANGUAGE

WIRING NOTES:

- ALL WIRING TO COMPLY WITH LOCAL CODE.
- CONDUCTORS MUST TEST FREE OF ALL GROUNDS.
- MAINTAIN CORRECT POLARITY
- IDNet WIRING TO BE #18 AWG TWISTED SHIELDED PAIR
- REFER TO INSTALLATION INSTRUCTIONS
- REFER TO APPLICATION MANUAL
- IF SHIELD IS USED, TWIST SHIELD WIRES TOGETHER AND CAP WITH WIRE NUT. SHIELD SHOULD BE INSULATED FROM ELECTRICAL BOX.



A4098-9792 STANDARD SENSOR BASE

PRODUCT INFORMATION

FEATURES:

- UL LISTED, FM APPROVED
- TRUEALARM ANALOG SENSING PROVIDES DIGITAL TRANSMISSION OF ANALOG SENSOR VALUES VIA IDNet SLC TWO WIRE COMMUNICATIONS
- FIRE ALARM CONTROL PANEL PROVIDES:
 - INDIVIDUAL SENSITIVITY SELECTION FOR EACH SENSOR
 - PEAK VALUE LOGGING ALLOWING ACCURATE ANALYSIS FOR SENSITIVITY SELECTION
 - AUTOMATIC ENVIRONMENTAL COMPENSATION
 - DISPLAY OF SENSITIVITY IN PERCENT PER FOOT
 - MULTISTAGE ALARM OPERATION
 - ABILITY TO DISPLAY AND PRINT DETAILED SENSOR INFORMATION IN PLAIN ENGLISH LANGUAGE
- PHOTOELECTRIC SMOKE SENSOR A4098-9714:
 - SEVEN LEVELS OF SENSITIVITY FROM 0.2% TO 3.7%
- HEAT SENSOR A4098-9733:
 - RATE-OF-RISE TEMPERATURE DETECTION IS SELECTABLE AT THE CONTROL PANEL FOR EITHER 15°F OR 20°F PER MINUTE
 - FIXED TEMPERATURE SENSING IS INDEPENDENT OF RATE-OF-RISE AND PROGRAMMABLE TO OPERATE AT 135°F OR 155°F
 - TRUEALARM HEAT SENSORS CAN BE PROGRAMMED AS A UTILITY DEVICE TO MONITOR FOR TEMPERATURE EXTREMES IN THE RANGE FROM 32°F TO 120°F.
 - UL STANDARD SPACING:
 - 60 FT SPACING FOR 135°F
 - 40 FT SPACING FOR 155°F
- INTEGRAL RED LED FOR POWER-ON (PULSING), OR ALARM OR TROUBLE (STEADY ON)
- BASE MOUNTED ADDRESS SELECTION:
 - ACCESSIBLE FROM FRONT (DIP SWITCH UNDER SENSOR)
 - ADDRESS REMAINS WITH ITS PROGRAMMED LOCATION
- FOR USE WITH AUTOCALL A407ES, A410ES, A100ES, SERIES CONTROL PANELS.
- MAXIMUM QUANTITY OF DEVICES:
 - 250 FOR A407ES, A410ES, A100ES
- MOUNTING: CEILING OR WALL
- COLOR : FROST WHITE
- BASE DIMENSIONS: 15/16" X 4-7/8"

SPECIFICATIONS:

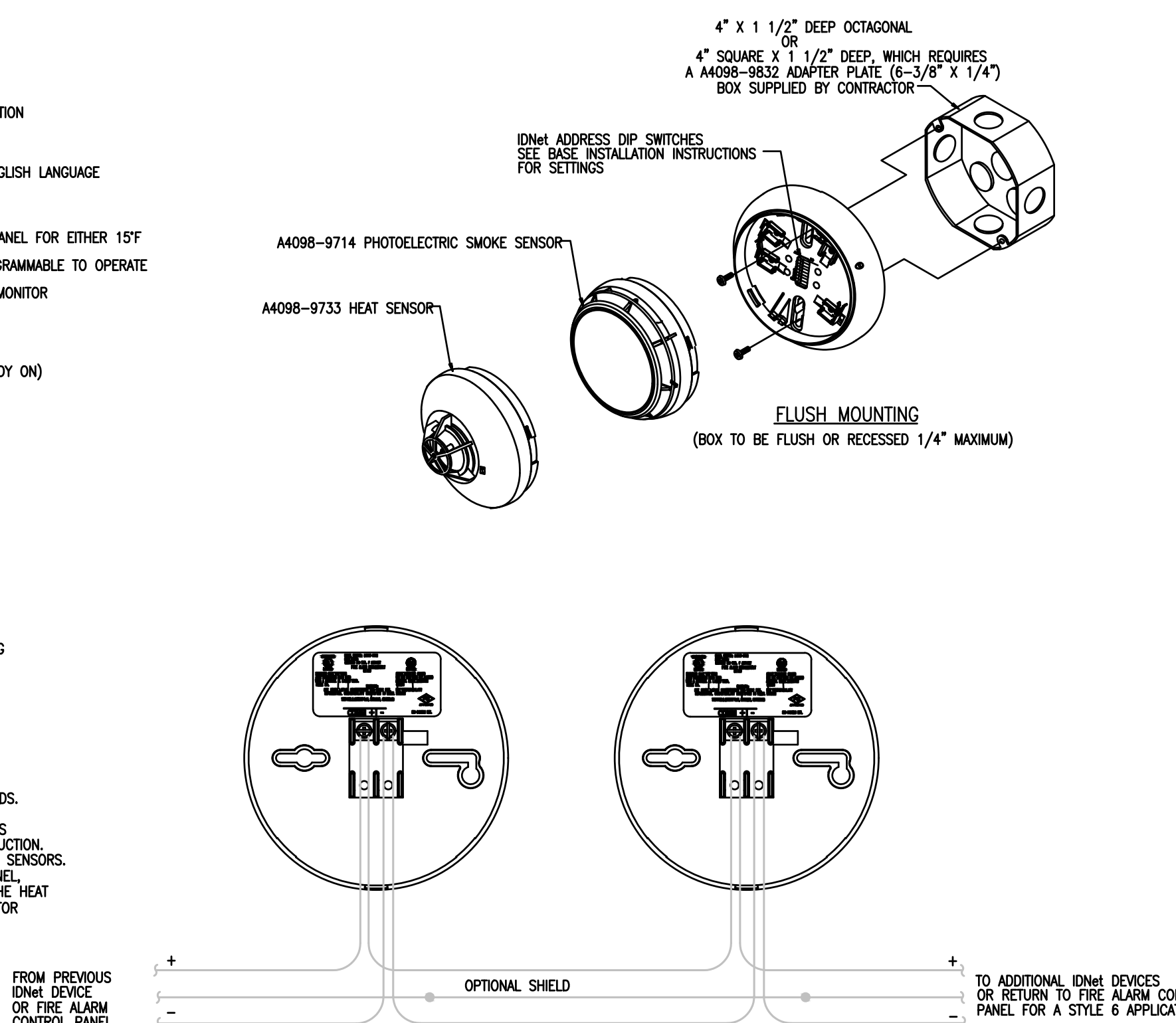
- UL LISTED TEMPERATURE RANGE: 32°F TO 100°F
- OPERATING TEMPERATURE RANGE: 32°F TO 120°F
- HUMIDITY RANGE: 10% TO 95% RH
- PHOTOELECTRIC SENSOR AIR VELOCITY RANGE: 0-2000 FT/MIN
- WIRING CONNECTIONS: SCREW TERMINALS FOR IN/OUT WIRING, #18 TO #14 AWG
- COMMUNICATIONS: IDNet SLC, 1 ADDRESS PER BASE
- VOLTAGE: IDNet SLC: 24-ADDC
- CURRENT: 400uA TYPICAL

DESCRIPTION:

TRUEALARM SENSOR BASES CONTAIN INTEGRAL ADDRESSABLE ELECTRONICS THAT CONSTANTLY MONITOR THE STATUS OF THE DETACHABLE PHOTOELECTRIC OR HEAT SENSORS. EACH SENSOR'S OUTPUT IS DIGITIZED AND TRANSMITTED TO THE SYSTEM FIRE ALARM CONTROL PANEL EVERY FOUR SECONDS. SINCE TRUEALARM SENSORS USE THE SAME BASE, DIFFERENT SENSOR TYPES CAN BE EASILY INTERCHANGED TO MEET SPECIFIC LOCATION REQUIREMENTS. THIS FEATURE ALLOWS INTENTIONAL SENSOR SUBSTITUTION DURING BUILDING CONSTRUCTION. WHEN CONDITIONS ARE TEMPORARILY DUSTY, INSTEAD OF COVERING THE SMOKE SENSORS. HEAT SENSORS MAY BE INSTALLED WITHOUT RETROPROGRAMMING THE CONTROL PANEL. ALTHOUGH THE CONTROL PANEL WILL INDICATE AN INCORRECT SENSOR TYPE, THE HEAT SENSOR WILL OPERATE AS A DEFAULT SENSITIVITY PROVIDING HEAT DETECTION FOR BUILDING PROTECTION AT THAT LOCATION.

WIRING:

- ALL WIRING TO COMPLY WITH LOCAL CODE.
- CONDUCTORS MUST TEST FREE OF ALL GROUNDS.
- MAINTAIN CORRECT POLARITY
- IDNet SLC WIRING TO BE #18 AWG TWISTED SHIELDED PAIR
- IF SHIELD IS PRESENT, CONNECT TO THE OUTGOING IDNet SLC SHIELD TO PROVIDE A CONTINUOUS SHIELD OVER THE LENGTH OF THE IDNet SLC CHANNEL. METHOD OF SPLICE DETERMINED BY AHJ.



PRODUCT INFORMATION

A4099-9006 IDNet SLC DOUBLE ACTION PUSH MANUAL STATION

FEATURES:

- UL LISTED
- DOUBLE ACTION (PUSH/PULL), IDNet SLC ADDRESSABLE
- PULL LEVEL PROTRUDES WHEN ALARMED
- LED INDICATOR FLASHES DURING COMMUNICATION
- TAMPER RESISTANT RESET KEY LOCK
- MOUNTING: SEMI-FLUSH, SURFACE
- OPERATING TEMPERATURE RANGE: 32 - 120°F
- OPERATING HUMIDITY RANGE: 0 - 93% RH
- ADAPTER PLATES 2099-9813 OR 2099-9814 CAN BE USED FOR RETROFIT APPLICATIONS
- 5" HIGH X 3 3/4" WIDE X 1" DEEP
- SCREW TERMINALS FOR 18 TO 14 AWG WIRE
- ADDRESSED BY MEANS OF AN 8 POSITION DIP SWITCH
- COMPATIBLE WITH IDNet SLC

OPERATION:

ACTIVATION: A4099-9006 DOUBLE ACTION STATION REQUIRES A FIRM DOWNWARD PULL TO ACTIVATE THE ALARM SWITCH. COMPLETING THIS ACTION BREAKS AN INTERNAL PLASTIC BREAK-ROD THAT IS VISIBLE BELOW THE PULL LEVER (USE OF PLASTIC ROD IS OPTIONAL). THE PULL LEVER LATCHES INTO THE ALARM POSITION AND REMAINS EXTENDED OUT OF THE HOUSING TO PROVIDE A VISIBLE INDICATION.

RESETTING: A4099-9006 DOUBLE ACTION STATION REQUIRES A KEY TO RESET THE ACTIVATION LEVER AND DEACTIVATE THE ALARM SWITCH. (IF OPTIONAL PLASTIC BREAK ROD WAS USED IT MUST BE REPLACED)

CONSTRUCTION:

STATION HOUSING AND PULL LEVER ARE CONSTRUCTED OF CHIP RESISTANT AND DIRT RESISTANT, HIGH IMPACT LEXAN. HOUSING IS RED WITH RAISED WHITE LETTERING AND PULL LEVER IS WHITE WITH RED RAISED LETTERING.

- LEXAN IS A REGISTERED TRADEMARK OF THE GENERAL ELECTRIC CO.

APPLICATION:

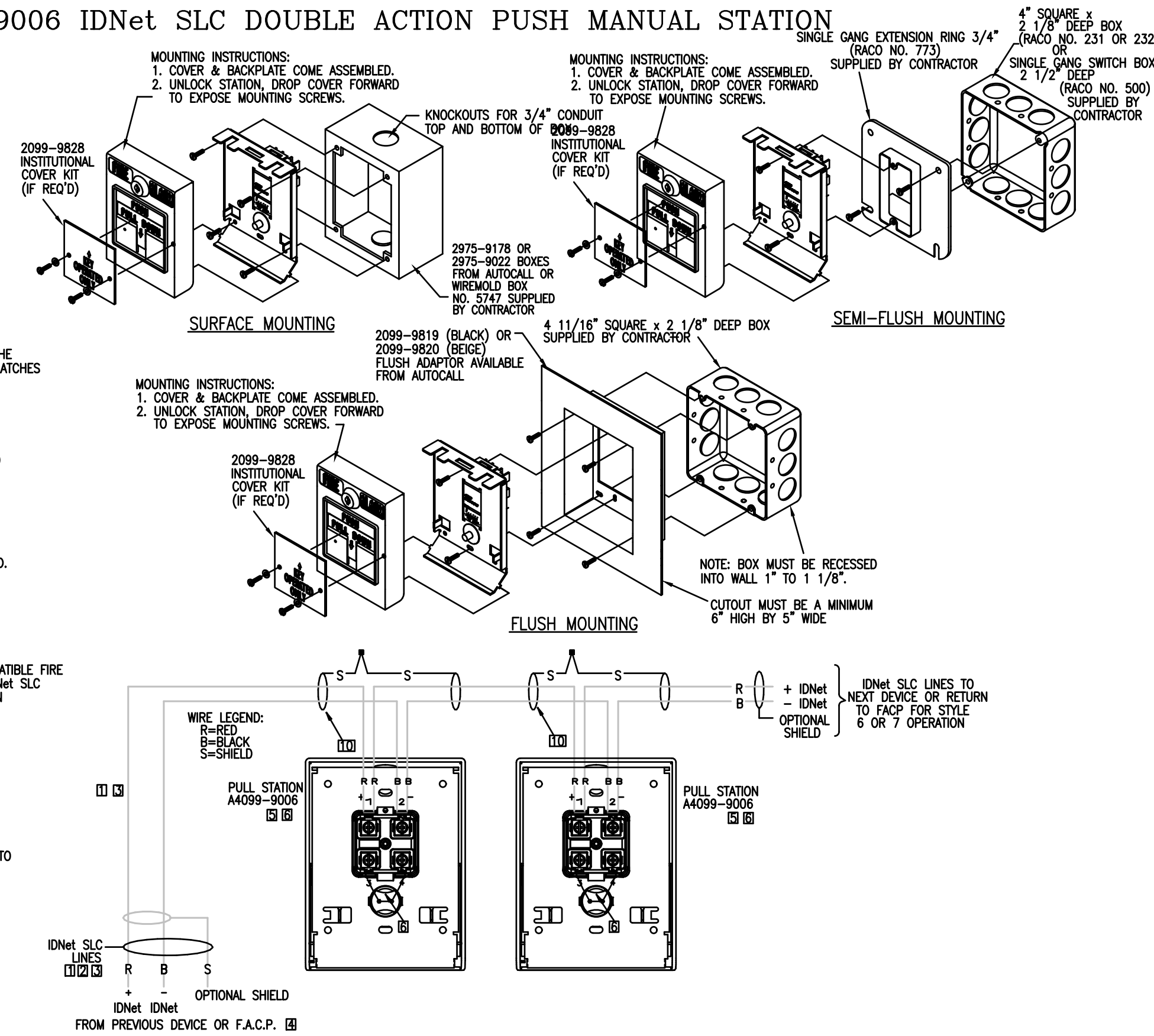
PULL STATIONS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72 AND ADA GUIDE LINES.

INTRODUCTION:

THE A4099-9006 ADDRESSABLE PULL STATION PROVIDES TWO-STATE STATUS INFORMATION (NORMAL AND SHORT) TO THE IDNet SLC COMPATIBLE FIRE ALARM CONTROL PANEL (FACP) VIA THE IDNet SLC CHANNEL. THE IDNet SLC CHANNEL PROVIDES THE COMMUNICATION LINK BETWEEN PULL STATION AND THE FACP AND POWERS THE ENTIRE CIRCUITRY.

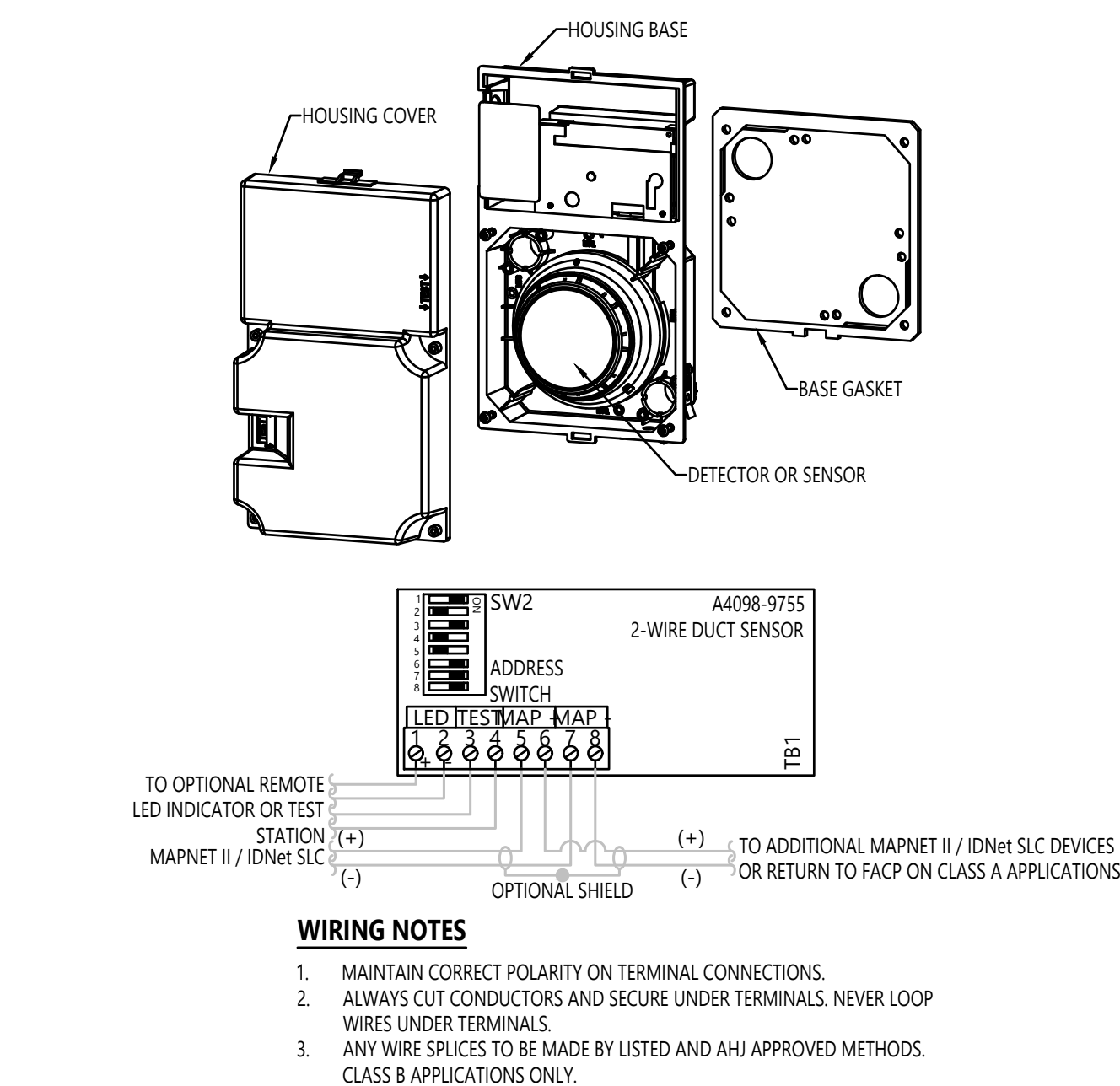
WIRING:

- ALL WIRING TO COMPLY WITH LOCAL CODE.
- CONDUCTORS MUST TEST FREE OF ALL GROUNDS.
- MAINTAIN CORRECT POLARITY
- IDNet SLC LINES ARE TO BE 18 AWG TWISTED SHIELDED PAIR
- MAXIMUM LINE RUN FROM PANEL TO FARTHEST DEVICE NOT TO EXCEED 2500 FEET.
- MAXIMUM TOTAL WIRE (INCLUDING ALL T-TAPS) FROM PANEL NOT TO EXCEED 10,000 FEET.
- MAXIMUM QUANTITY OF DEVICES PER CIRCUIT: 250
- TERMINALS 1 AND 2 FOR FIELD WIRING. TERMINALS 3 AND 4 ARE FACTORY WIRING.
- WIRE NUT, SPLICE, OR SOLDER THE SHIELD WIRES.
- IF SHIELD IS PRESENT, IT SHOULD BE CONNECTED TO THE OUTGOING IDNet SLC SHIELD TO PROVIDE A CONTINUOUS SHIELD OVER THE LENGTH OF THE IDNet SLC CHANNEL. SHIELD SHOULD BE INSULATED FROM THE ELECTRICAL BOX.



DUCT SMOKE DETECTOR

AUTOCALL A4098-9755 ANALOG 2-WIRE DUCT SENSOR



REVISION DESCRIPTION

RELEASE FOR CONSTRUCTION

DATE

09/14/2023

REV

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PROJECT #

23294FA

ISSUE DATE

09/14/2023

DRAWN BY

L.MCCAULEY

CHECKED BY

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10727 W. 128TH ST.
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SURGERY CENTER OF LEE'S SUMMIT

1950 SE BLUE PARKWAY

LEE'S SUMMIT, MO 64063

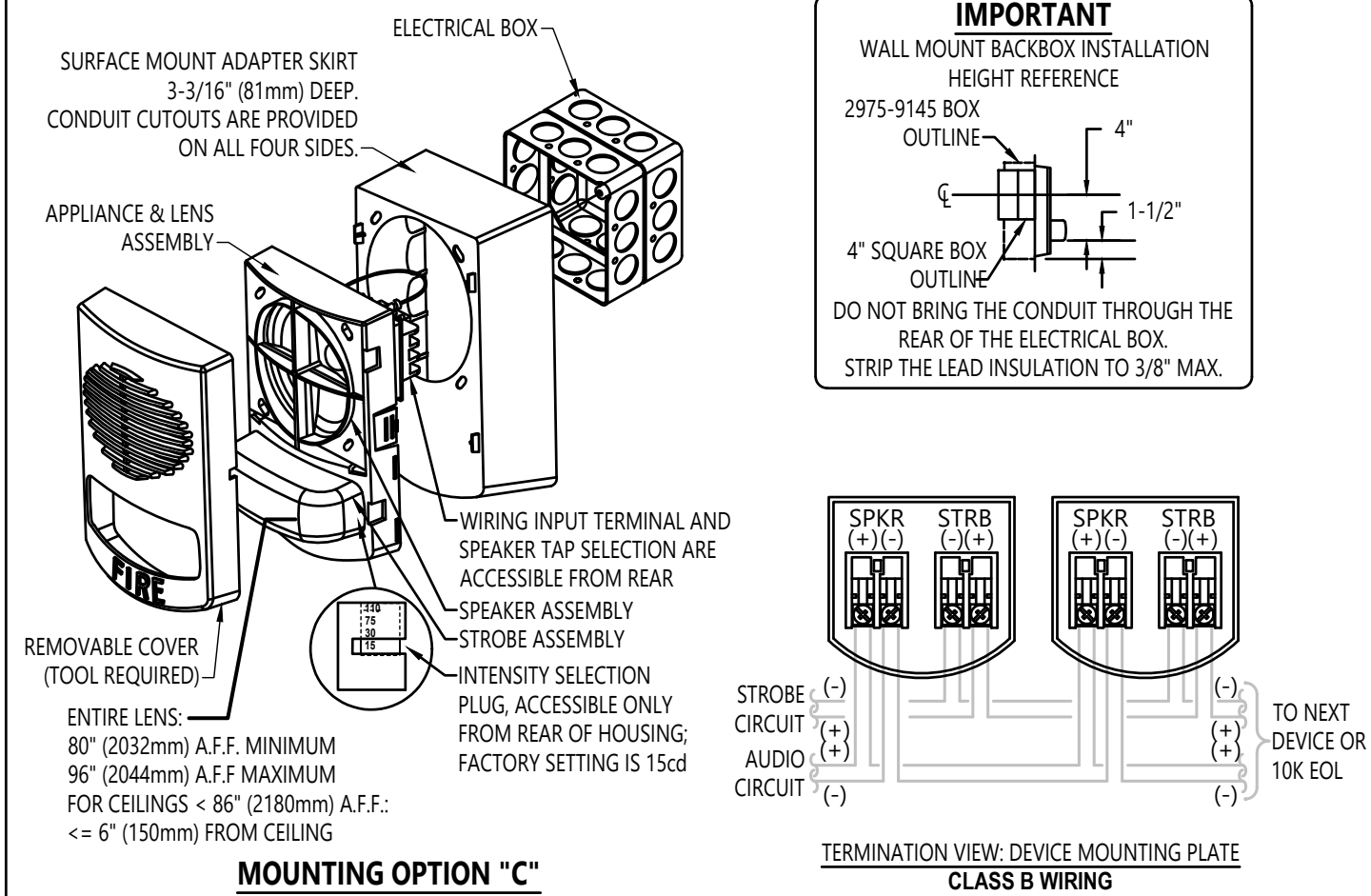
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10/3/2023



TrueAlert CONVENTIONAL APPLIANCES

AUTOCALL A4906 SERIES WALL MOUNTED SPEAKER / VISUAL

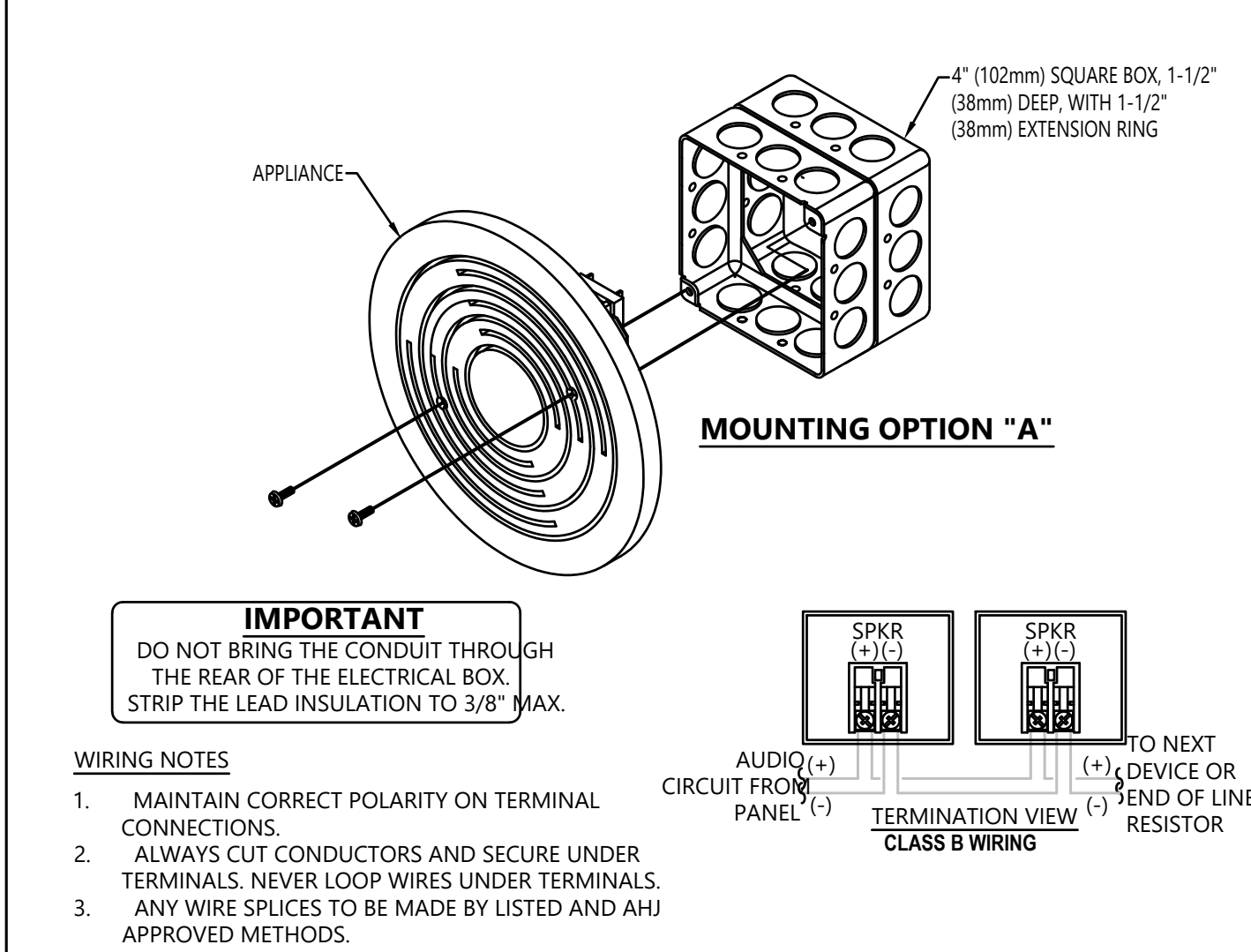


MOUNTING OPTIONS		
OPTION	DESCRIPTION	NOTE
A	4" (102mm) SQUARE BOX, 1-1/2" (38mm) DEEP, WITH 1-1/2" (38mm) EXTENSION RING - FLUSH MOUNTING	BY OTHERS
B	AUTOCALL 2975-9145 SURFACE MOUNT BOX WITH AUTOCALL A4905-9903 ADAPTER PLATE	ORDERED SEPARATELY
C	4" (102mm) SQUARE BOX, 1-1/2" (38mm) DEEP, WITH 1-1/2" (38mm) EXTENSION RING - SURFACE MOUNTING	AUTOCALL ADAPTER SKIRT REQUIRED

1. FOR ADDITIONAL MOUNTING OPTIONS, DOWNLOAD DATA SHEET A4906-0003 FROM [HTTP://WWW.AUTOCALL.COM](http://www.autocall.com)

TrueAlert CONVENTIONAL APPLIANCES

AUTOCALL A4902-9721 WALL/CEILING MOUNTED SPEAKER

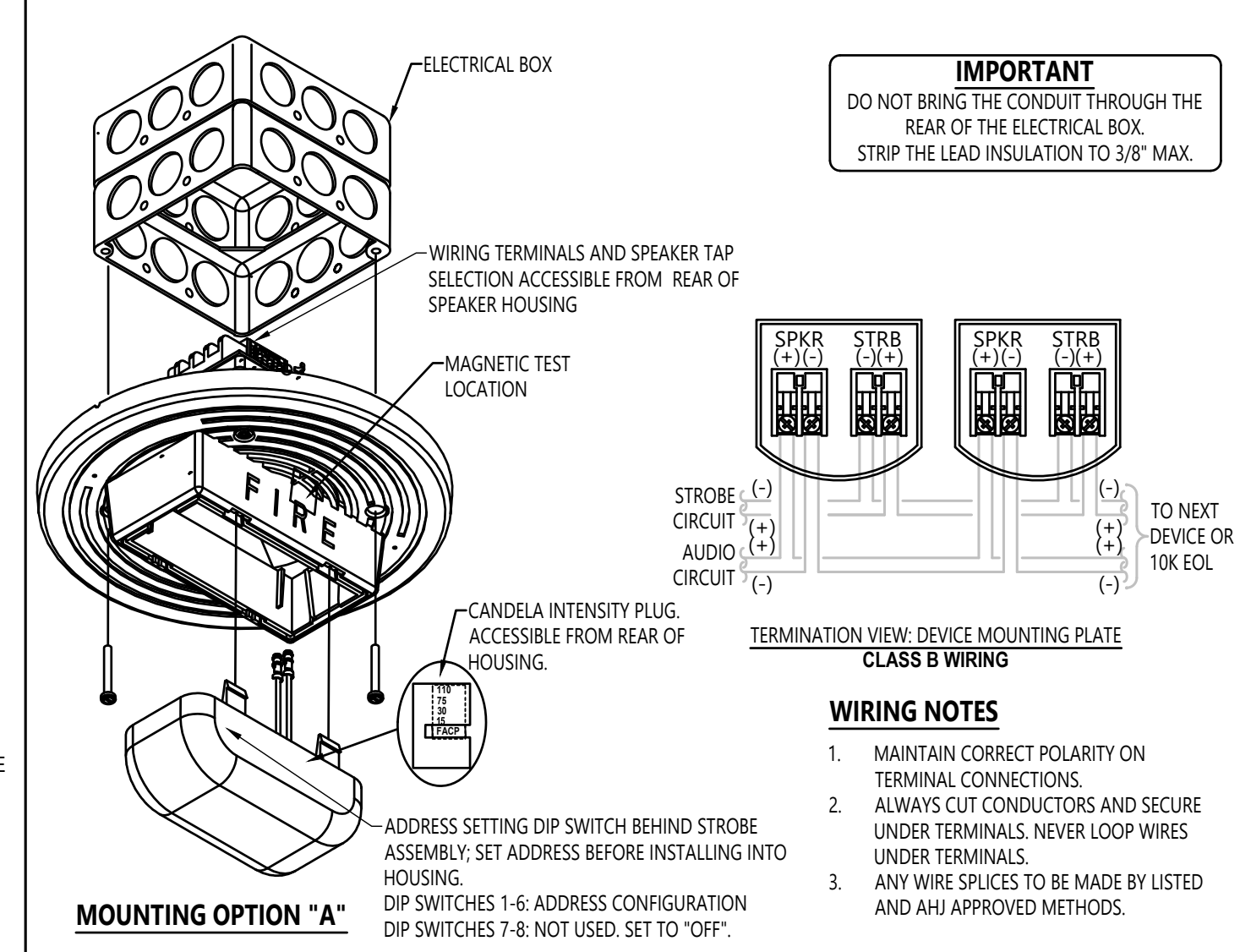


MOUNTING OPTIONS		
OPTION	DESCRIPTION	NOTE
A	4" (102mm) SQUARE BOX, 1-1/2" (38mm) DEEP, WITH 1-1/2" (38mm) EXTENSION RING - FLUSH MOUNTING	BY OTHERS

1. FOR ADDITIONAL MOUNTING OPTIONS, DOWNLOAD DATA SHEET A4902-0003 FROM [HTTP://WWW.AUTOCALL.COM](http://www.autocall.com)

TrueAlert CONVENTIONAL APPLIANCES

AUTOCALL A4906 SERIES CEILING MOUNTED SPEAKER / VISUAL



MOUNTING OPTIONS		
OPTION	DESCRIPTION	NOTE
A	4" (102mm) SQUARE BOX, 1-1/2" (38mm) DEEP, WITH 1-1/2" (38mm) EXTENSION RING - FLUSH MOUNTING	BY OTHERS

1. FOR ADDITIONAL MOUNTING OPTIONS, DOWNLOAD DATA SHEET A4906-0003 FROM [HTTP://WWW.AUTOCALL.COM](http://www.autocall.com)



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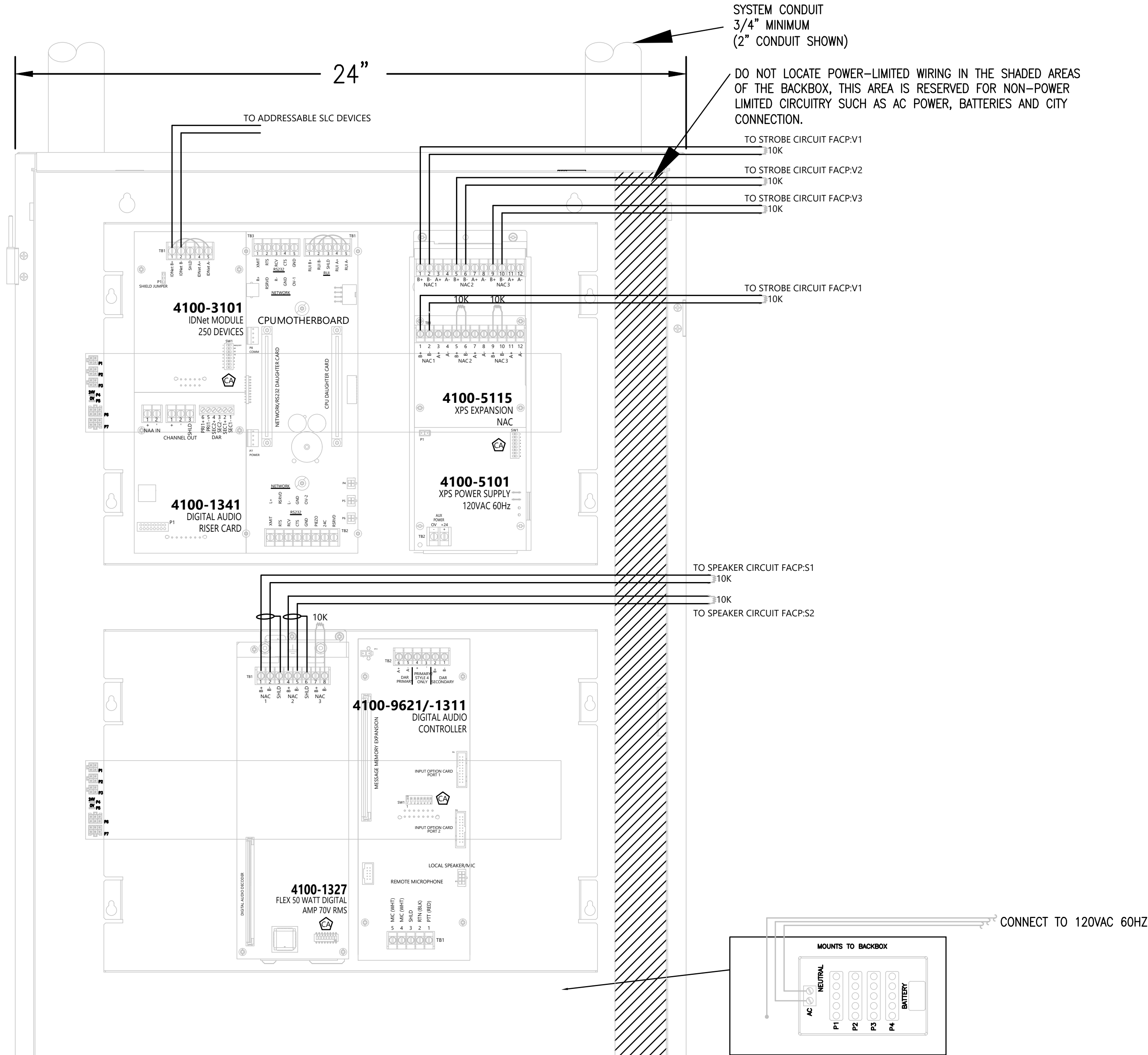
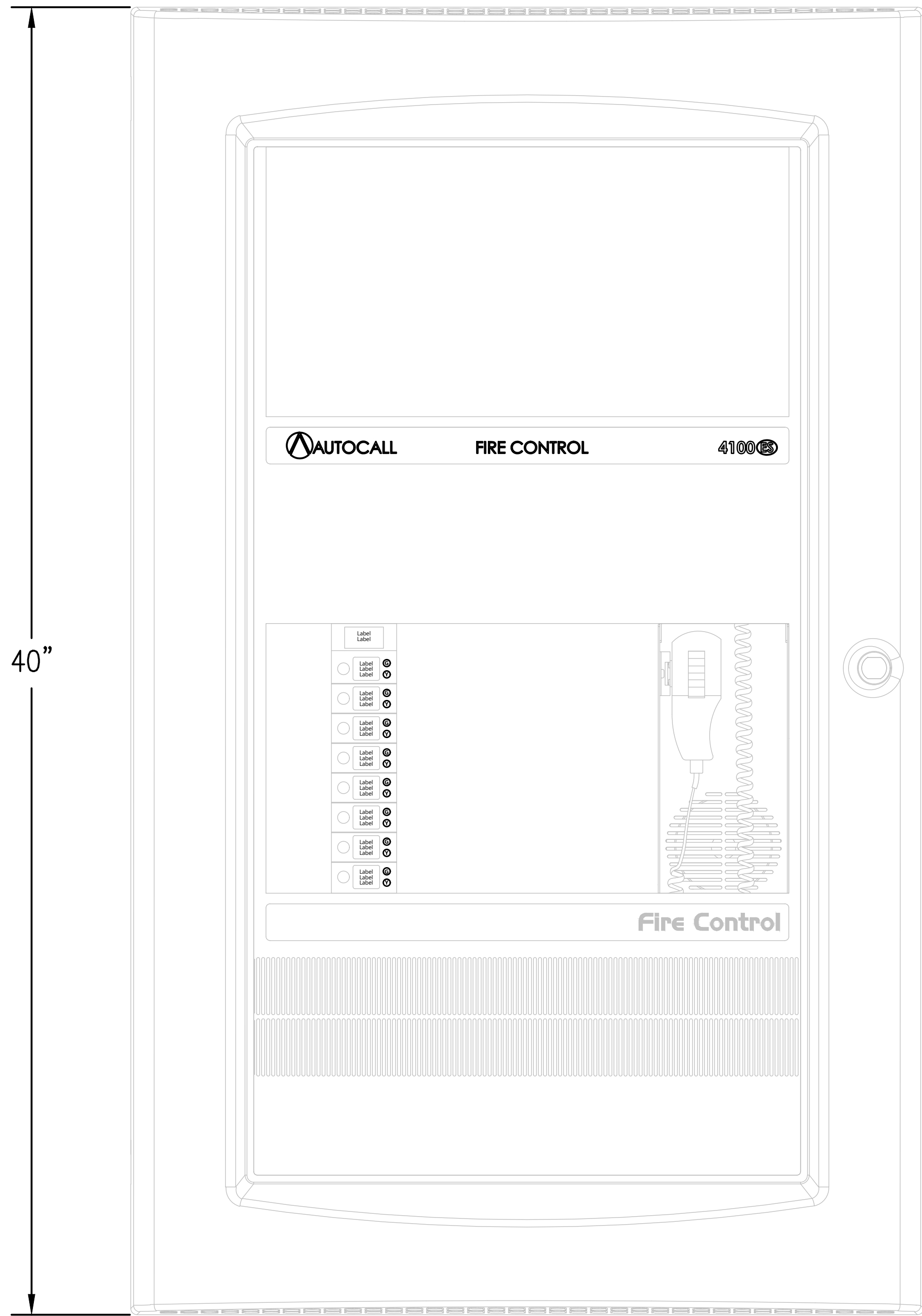
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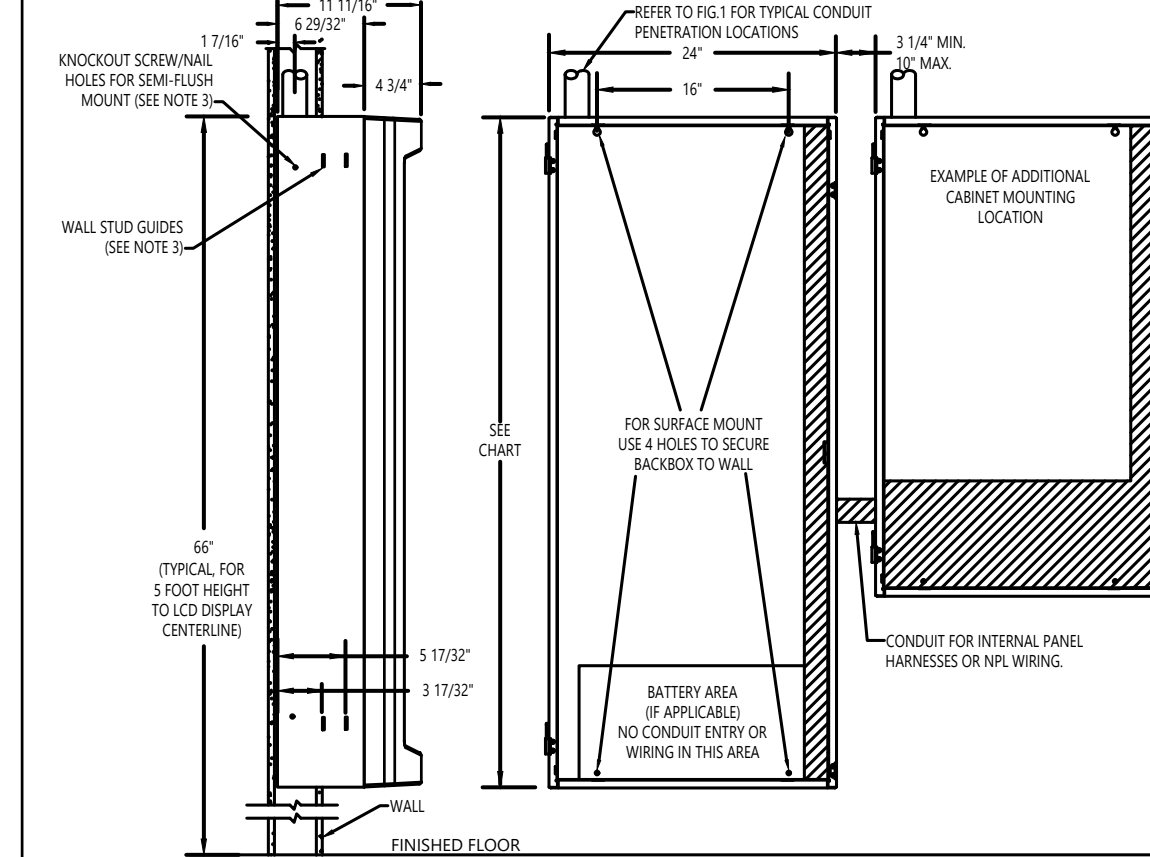
DATE
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REVISION DESCRIPTION
RELEASE FOR CONSTRUCTION



FIRE ALARM CONTROL PANEL BACKBOX INSTALLATION

AUTOCALL 4100es SERIES



INSTRUCTIONS

1. REMOVE ELECTRONIC CARD CAGE (IF PRESENT) AND STORE IT IN A SAFE DRY AREA.
2. NO KNOCKOUTS PROVIDED: CUT CONDUIT/SERVICE ENTRANCE OPENING. REFER TO FIG. 1 FOR PROPER LOCATIONS. CONDUIT PROTRUSION INTO BOX 1/2\"/>
3. MOUNT BOX TO WALL. BOX MUST BE LEVEL AND PLUMB. FOR SURFACE MOUNT USE TEAR DROP AND CLEARANCE HOLES ON BACK SURFACE. FOR SEMI-FLUSH MOUNT, USE WALL STUD GUIDES FOR MAXIMUM ALLOWABLE BOX DEPTH TO PROVIDE OPEN LOOK CLEARANCE. USE KNOCKOUTS ON SIDE WALL, SCREEN OR NAIL BOX TO WALL STUDS.
4. MINIMUM DISTANCE BETWEEN ANY TWO BOXES IS 3 1/4\"/>
5. IF PRESENT, USE WIRE MANAGEMENT BRACKETS ON BOX SIDES TO SECURE WIRE RUNS.
6. NEMA RATING NOMA 1 - GENERAL PURPOSE.
7. DO NOT LOCATE POWER-LIMITED WIRING IN THE SHADED AREAS OF THE BACKBOX. THIS AREA IS RESERVED FOR NON-POWER LIMITED CIRCUITRY SUCH AS AC POWER, BATTERIES AND CITY CONNECTION. REFER TO AUTOCALL BACKBOX INSTALLATION DOCUMENT (SP-111) FOR DETAILED INSTRUCTIONS.
- 8.

NOTE: ADA REQUIREMENTS LIMIT THE ALLOWABLE PROTRUSION OF OBJECTS MOUNTED IN PUBLIC ACCESSIBLE WALKS, HALLS, CORRIDORS, PASSAGeways OR AREAS. THE 4-INCH (100mm) RESTRICTION APPLIES TO ANY ITEM IN WHICH THE MEASUREMENT FROM THE FLOOR TO THE BOTTOM OF THE UNIT IS MORE THAN 27 INCHES.

BACKBOX AND DOOR OPTIONS

PKG. SIZE	BOX W/ GLASS DOOR	BOX W/ SOLID DOOR	BOX ONLY DOOR	SOLID DOOR	BOX HEIGHT
1 BAY RED	A2975-9441	A2975-9447	A2975-9447	A4100-2124	22"
2 BAY RED	A2975-9442	A2975-9448	A2975-9448	A4100-2125	40"
3 BAY RED	A2975-9443	A2975-9449	A2975-9449	A4100-2126	56"
1 BAY PLATINUM	A2975-9444	A2975-9450	A2975-9450	A4100-2124	22"
2 BAY PLATINUM	A2975-9445	A2975-9451	A2975-9451	A4100-2125	40"
3 BAY PLATINUM	A2975-9446	A2975-9452	A2975-9446	A4100-2126	56"



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