SUMMIT BUILDING (KESSLER CENTER NETWORK)
PORTABLE ADDITION 2022
FIRE ALARM SYSTEM

DRAWING INDEX

Sheet List Table

Included	Sheet Number	Sheet Title
General Information (FA-000 Series)		
X	FA-001	COVER SHEET
Floorplans (FA-100 Series)		
	FA-101	DEVICE PLACEMENT PLAN
X	FA-102	DEVICE PLACEMENT PLAN - PORTABLE
Risers (FA-200 Series)		
	FA-201	RISER DIAGRAM
Panel Details (FA-500 Series)		
X	FA-501	PANEL DETAIL
Calculations (FA-600 Series)		
X	FA-601	FACP - CALCULATIONS AND SCHEDULES
Typical Details (FA-700 Series)		
X	FA-701	WIRING TYPICALS
Graphic Map		
X	FA-801	GRAPHIC MAP

GENERAL NOTES

1. THESE DRAWINGS DEPICT GENERAL LOCATIONS OF LIFE SAFETY EQUIPMENT & FIELD DEVICES. EXACT ROUTING OF CONDUITS IS TO BE DETERMINED IN THE FIELD BY THE INSTALLING CONTRACTOR TO SUIT CONDITIONS. ALL CHANGES SHALL BE CLEARLY INDICATED ON THE RECORD DRAWINGS.
2. SHOULD ANY CONDITIONS EXIST THAT DIFFER FROM WHAT IS INDICATED ON THESE DRAWINGS WHICH CAUSE MAJOR DEVIATIONS IN THE WORK SHOWN, THE CONTRACTOR SHALL CONTACT JOHNSON CONTROLS IN A TIMELY MANNER SO AS NOT TO IMPAIR THE CONSTRUCTION SCHEDULE.
3. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR MAKING AND OBTAINING APPROVAL FOR ALL NECESSARY ADJUSTMENTS IN CIRCUITING AS REQUIRED TO ACCOMMODATE THE RELOCATION OF EQUIPMENT AND/OR DEVICES WHICH ARE AFFECTED BY ANY AUTHORIZED CHANGE. ALL CHANGES SHALL BE CLEARLY INDICATED ON THE RECORD DRAWINGS.
4. A STAMPED SET OF APPROVED FIRE ALARM DRAWINGS SHALL BE AT THE JOB SITE AND SHALL BE USED FOR INSTALLATION.
5. THE POWER CIRCUIT TO THE FACP AND TO THE FIRE ALARM POWER SUPPLIES SHALL BE ON A DEDICATED 120V, 20A BRANCH CIRCUIT BREAKER, AND SHALL HAVE A RED MARKING, LOCK-ON PROVISION AND SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL." THE LOCATION OF THE CIRCUIT DISCONNECT MEANS (CIRCUIT BREAKER) SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.
6. UPDATE THE AS-BUILT DRAWING SET DAILY WITH JOB PROGRESS. RETURN THE AS-BUILT DRAWING SET TO JOHNSON CONTROLS NO LATER THAN 7 DAYS AFTER FINAL TEST.
7. THE CONTRACTOR WILL MAINTAIN ALL AREAS OF THE BUILDING IN A NEAT AND WORKMANLIKE MANNER.
8. DO NOT APPLY POWER EXCEPT IN THE PRESENCE OF A FACTORY TRAINED JOHNSON CONTROLS TECHNICAL REPRESENTATIVE.
9. ANY SMOKE DETECTOR HEAD INSTALLED BEFORE THE BUILDING IS CLEANED AND ACCEPTED SHALL BE COVERED TO PROTECT FROM DUST. ANY FALSE ALARMS DUE TO DIRT CONTAMINATED HEADS SHALL BE THE RESPONSIBILITY OF THE FIRE ALARM INSTALLER.
10. THE FIRE ALARM INSTALLER WILL MAINTAIN THE FIRE RESISTANCE INTEGRITY OF ALL WALL, CEILING, AND ROOF ASSEMBLIES ANY TIME THAT WORK IS NOT ACTIVELY BEING PERFORMED.
11. INSTALLATION OF DEVICES SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. POWER LIMITED AND NON-POWER LIMITED FIELD WIRING MUST BE INSTALLED WITHIN THE FACP ENCLOSURE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPLICABLE ELECTRICAL CODES. REFER TO 'APPLICABLE CODES & STANDARDS' FOR SPECIFIC CODE REFERENCES.
12. ALL WIRING SHALL BE INSTALLED ACCORDING TO APPLICABLE ELECTRICAL CODES.
13. FIRE ALARM CIRCUITS SHALL BE IDENTIFIED IN ACCORDANCE WITH APPLICABLE ELECTRICAL CODES. MARK ALL FIRE ALARM WIRES IN ACCORDANCE WITH APPLICABLE ELECTRICAL CODE SECTIONS FOR POWER LIMITED AND NON-POWER LIMITED WIRE.
14 FIRE ALARM CABLE INSTALLED IN DUCTS, PLENUM, AND OTHER SPACES USED FOR ENVIRONMENTAL AIR SHALL BE TYPE FPLP.
15. FIRE ALARM CABLE INSTALLED IN THE VERTICAL RUNS AND PENETRATING MORE THAN ONE FLOOR OR CABLES INSTALLED IN VERTICAL RUNS IN SHAFTS SHALL BE TYPE FPLR.
16. FIRE ALARM CABLE INSTALLED IN UNDERGROUND CONDUIT OR OTHER WET LOCATIONS SHALL BE UL LISTED FOR WET LOCATIONS.
17. FIRE ALARM CIRCUITS EXTENDING BEYOND ONE BUILDING AND RUN OUTDOORS SHALL BE INSTALLED IN ACCORDANCE APPLICABLE ELECTRICAL CODES, WHERE APPLICABLE.
18. ALL WIRING, INCLUDING SHIELDS MUST BE DRY AND FREE OF SHORTS AND GROUNDS.
19. ALL SHIELDED WIRE MUST HAVE SHIELD CONTINUITY AT FULL LENGTH OF THE WIRE.
20. ONLY SYSTEM WIRING CAN BE RUN IN THE SAME CONDUIT.
21. 120VAC IS NOT PERMITTED IN THE SAME CONDUIT WITH LOW VOLTAGE WIRING.
22. MAINTAIN MAXIMUM CONDUIT FILL RATIO AS PER APPLICABLE ELECTRICAL CODES REQUIREMENTS.

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30" x 42" - Arch E1 Size

LEGENDS

FIRE ALARM SYMBOL LEGEND

SYMBOL	DESCRIPTION	BRAND	MODEL	BACKBOX	WIRE TYPE
PANELS					
FACP	4007ES IDNAC FIRE ALARM CONTROL PANEL, 120/240 VAC, PLATINUM	SIMPLEX	4007-9202	SIMPLEX CABINET	N/A
GMAP	GRAPHIC MAP (MOUNT 60" TO CENTER AFF)	KIRKLAND	18" x 24"		
INITIATING DEVICES					
S	ADDRESSABLE PHOTOELECTRIC SMOKE SENSOR W/ STANDARD BASE	SIMPLEX	4098-9714 HEAD 4098-9792 BASE	4" OCT, 1-1/2" D	M
F	ADDRESSABLE SINGLE ACTION MANUAL PULL STATION	SIMPLEX	4099-9004	4" SQ, 2-1/8" D W/ SINGLE GANG COVER	M
NOTIFICATION APPLIANCES					
#	ADDRESSABLE MULTI-CANDELA HORN/STROBE ,WALL MOUNT, WHITE, CLEAR LENS, FIRE	SIMPLEX	49AV-WWF	4" SQ. 1-1/2" D	A
# WP	ADDRESSABLE MULTI-CANDELA HORN/STROBE ,WALL MOUNT, APPLIANCE ONLY, CLEAR LENS	SIMPLEX	49AV-APPLW-O	49WPBB-AVVOWR	A
#	ADDRESSABLE STROBE ,WALL MOUNT, WHITE, CLEAR LENS, FIRE	SIMPLEX	49VO-WWF	SINGLE GANG 1-1/2" D	A
MISCELLANEOUS DEVICES					
JB	JUNCTION BOX	BY OTHERS	BY OTHERS		
DH	DOOR HOLDER, SURFACE MOUNT, CHROME, 12/24V	RSG/AAMES	DH1224SPC		D

FIRE ALARM WIRE LEGEND

	CIRCUIT DESCRIPTION	CONSTRUCTION	GAUGE	CIRCUIT PROPERTIES	FPLR	FPLP	THHN	TFFN	OUTDOOR **	C.I.
					ACCEPTABLE CABLE TYPES					
A	ADDRESSABLE NOTIFICATION	UTP SOLID	14 AWG	60pf/ft. MAX CAPACITANCE; 3 twists/ft. MINIMUM	X	X				
D	DOOR HOLDER	2 COND. SOLID	14 AWG		X	X	X	X		
M	IDNET	UTP SOLID	18 AWG	60μF MAX TOTAL LINE CAPACITANCE	X	X				
N	RS-485 COMMUNICATION	UTP SOLID	18 AWG	58pF/ft. MAX CAPACITANCE	X	X				

CONDUIT SIZE	MAX CONDUCTOR AREA	CONDUIT SIZE	MAX CONDUCTOR AREA
1/2"	0.122 SQ. INCH*	1-1/4"	0.598 SQ INCH*
3/4"	0.213 SQ INCH*	1-1/2"	0.814 SQ INCH*
1"	0.346 SQ INCH*	2"	1.342 SQ INCH*

* 40% CONDUIT FILL PER N.E.C.

STP = SHIELDED TWISTED PAIR

ITEMS SUCH AS CAPACITANCE BETWEEN CONDUCTORS AND WIRE GAUGE CAN BE CRUCIAL TO THE CIRCUIT DESIGN OF THIS SYSTEM INSTALLATION. THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR SELECTING AND INSTALLING CABLE MANUFACTURER AND MODEL THAT MEETS OR EXCEEDS THE ABOVE REQUIREMENTS. RECOMMENDED CABLE MANUFACTURERS AND MODEL NUMBERS ARE AVAILABLE UPON REQUEST.

NOTE: SUBSTITUTE APPROPRIATE CABLES FOR UNDERGROUND APPLICATIONS TO MEET ALL NEC REQUIREMENTS.

APPLICABLE CODES & STANDARDS

JURISDICTIONS WITHIN THE STATE MAY HAVE AMENDMENTS TO THE STATE ADOPTED CODE. CHECK WITH THE LOCAL JURISDICTION AUTHORITY FOR MORE DETAILS.

National Fire Alarm Code (NFPA 72), 2013 Edition

2015 International Building Code w/ Washington Amendments - WAC 51-50

2015 International Mechanical Code w/ Washington Amendments - WAC 51-52

2017 National Electrical Code w/ Washington Amendments

2015 International Fire Code w/ Washington Amendments - WAC 51-54A

ICC/ANSI A117.1-2009 Accessibility w/ WAC 51-50-1101.2

OCCUPANCY TYPE(S):
B BUSINESS GROUP
E EDUCATIONAL GROUP

SPRINKLER PROTECTION:
BUILDING IS NOT SPRINKLERED

TENANT IMPROVEMENT BUILDING CODES:

National Fire Alarm Code (NFPA 72), 2016 Edition

2018 International Building Code w/ Washington Amendments - WAC 51-50

2018 International Mechanical Code w/ Washington Amendments - WAC 51-52

2020 National Electrical Code w/ Washington Amendments

2018 International Fire Code w/ Washington Amendments - WAC 51-54A

ICC/ANSI A117.1-2009 Accessibility w/ WAC 51-50-1101.2

TENANT OCCUPANCY TYPES:
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E EDUCATIONAL GROUP

TENANT SPRINKLER PROTECTION:
BUILDING IS NOT SPRINKLERED

2

JOHNSON CONTROLS CONTACTS

Sales Representative
LYLE FORTIN
LYLE.FORTIN@JCI.COM
PHONE: 206-777-4838

Project Coordinator
CHERYL GRAVES
CHERYL.GRAVES@JCI.COM
PHONE: 206-777-4924

Technician Scheduler
YVONNE THOMPSON
YVONNE.THOMPSON@JCI.COM
PHONE: 206-777-4860

CAD Drafter
AUSTIN HALE
AUSTIN.HALE@JCI.COM
PHONE:
NICET LEVEL II, #146021

Project Designer
ERIC BECK
ERIC.BECK@JCI.COM
PHONE: 206-218-8792
NICET LEVEL II, #228884

SCOPE OF WORK

PROVIDE AND INSTALL NEW FIRE ALARM DEVICES FOR PORTABLE ADDITION, WIRE BACK TO THE FACP IN THE SUMMIT BUILDING AS SHOWN ON DRAWINGS FA-102.

ALL WIRING TO BE CLASS B NOTIFICATION APPLIANCE CIRCUITS, INITIATING DEVICE CIRCUITS, AND SIGNALING LINE CIRCUITS.

AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UUJS UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011.

PROJECT DIRECTORY

Site
SUMMIT BUILDING
1501 39TH STREET
PUYALLUP, WA 98375

Owner
PUYALLUP SCHOOL DISCTRICT
323 12TH ST NW
PUYALLUP, WA 98371

Johnson Controls District - 458
9520 10TH AVENUE SOUTH, SUITE 100
SEATTLE, WA 98108
PHONE: 206-291-1400
FAX: 206-291-1500
SERVICE: 206-291-1400

Installer
MCGANN ELECTRIC
PO BOX 940
BLACK DIAMOND, WA 98010
PHONE: 425 241 3882

CONTACT: JACK MCGANN

ABBREVIATIONS LEGEND

AC = ABOVE CEILING
AFF = ABOVE FINISHED FLOOR
AHJ = AUTHORITY HAVING JURISDICTION
ALM = ALARM
ANN = ANNUNCIATOR
BMS = BUILDING MANAGEMENT SYSTEM
C = CEILING MOUNTED
CD = CANDELA RATING
DET = DETECTOR
DGP = DATA GATHERING PANEL
E = EXISTING TO REMAIN
EOL = END OF LINE
EPO = EMERGENCY POWER OFF
ER = ELEVATOR RECALL
FAA = FIRE ALARM ANNUNCIATOR
FACP = FIRE ALARM CONTROL PANEL
FATC = FIRE ALARM TERMINAL CABINET
FBO = FURNISHED BY OTHERS
FCC = FIRE COMMAND CENTER
FSD = FIRE SMOKE DAMPER
FTR = FIRE ALARM TRANSPONDER
H = HIGH HUMIDITY
HT = HEIGHT
HVAC = HEATING VENTILATION & AIR CONDITIONING
IMS = INFORMATION MANAGEMENT SYSTEM
MAX = MAXIMUM
MIN = MINIMUM
N/A = NOT APPLICABLE
NAC = NOTIFICATION APPLIANCE CIRCUIT
NDU = NETWORK DISPLAY UNIT
NEC = NATIONAL ELECTRIC CODE
NFPA = NATIONAL FIRE PROTECTION ASSOCIATION
NIC = NOT IN CONTRACT
NPU = NETWORK PROCESSING UNIT
NTS = NOT TO SCALE
PAP = PRE-ACTION PANEL
RC = EXISTING TO REMOVE AND COVER
RD = EXISTING DEVICE TO BE RELOCATED
RL = RELOCATED DEVICE
RR = REMOVE EXISTING & REPLACE WITH NEW
SCC = STATUS COMMAND CENTER
SLC = SIGNALING LINE CIRCUIT
SMK = SMOKE
SUPV = SUPERVISORY
TAC = TRUEALERT ADDRESSABLE CONTROLLER
TOS = TOP OF SHAFT
TRBL = TROUBLE
TS = TAMPER SWITCH
TYP = TYPICAL
UON = UNLESS OTHERWISE NOTED
VCC = VOICE COMMAND CENTER
VT = VALVE TAMPER
W = WATTAGE
W/ = WITH
W/O = WITHOUT
WF = WATERFLOW
WG = WIRE GUARD
WP = WEATHERPROOF
XP = EXPLOSION PROOF

DEVICE TAG LEGEND

1:T2:A2-1(E1:1)

PANEL DESIGNATOR
- FA: = FACP (NON-NETWORK)
- #: = NODE NUMBER
- T#: = TRANSPONDER NUMBER
- #:T# = NODE:TRANSPONDER NUMBER
- N#: = NAC EXTENDER NUMBER

CIRCUIT DESIGNATOR
- A# = IDNAC[1] CIRCUIT NUMBER
- D# = DOOR HOLDER CIRCUIT NUMBER
- F# = FIRE PHONE CIRCUIT
- H# = AUDIBLE (HORN) CIRCUIT NUMBER
- M# = IDNET LOOP NUMBER
- P# = POWER CIRCUIT NUMBER
- S# = SPEAKER CIRCUIT NUMBER
- V# = VISUAL CIRCUIT NUMBER
- Z# = ZONE NUMBER

DEVICE NUMBER

BRANCH / ISOLATED LOOP DESIGNATOR:
- (L#) = IDNET ISOLATED LOOP NUMBER
- (#) = IDNAC BRANCH NUMBER
- (E#:#) = EPR[2] NUMBER:BRANCH NUMBER

1. IDNAC = ADDRESSABLE NOTIFICATION CIRCUIT
2. EPR = ENHANCED POWER REPEATER

SYSTEM SEQUENCE OF OPERATIONS

SYSTEM OUTPUTS

	SYSTEM INPUTS	ACTUATE COMMON ALARM SIGNAL INDICATOR	ACTUATE AUDIBLE ALARM SIGNAL	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE AUDIBLE TROUBLE SIGNAL	ACTUATE APPROPRIATE LOCATION INDICATOR	ACTUATE ALL AUDIBLE EVACUATION SIGNALS	ACTUATE ALL VISIBLE EVACUATION SIGNALS		DISPLAY CHANGE OF STATUS	TRANSMIT ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION						RELEASE MAGNETICALLY HELD FIRE DOORS
		CTRL UNIT ANNUNCIATION							NOTIFICATION							FIRE SAFETY CONTROL					
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	SMOKE SENSOR/DETECTOR	X	X					X	X	X		X	X								X
2	MANUAL PULL STATION	X	X					X	X	X		X	X								X
3	FIRE ALARM AC POWER FAILURE					X	X					X			X						X
4	FIRE ALARM SYSTEM LOW BATTERY					X	X					X			X						
5	OPEN CIRCUIT OR GROUND FAULT					X	X					X			X						
6	CLASS B NOTIFICATION CIRCUIT (NAC) - SHORT					X	X					X			X						

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Johnson Controls
DISTRICT - 458
9520 10TH AVENUE SOUTH, SUITE 100
SEATTLE, WA 98108
SERVICE: 206-291-1400
PHONE: 206-291-1400
FAX: 206-291-1500

DRAWINGS REVIEWED BY:
Chad McCammon, SET
NICET #090810
Fire Alarm Systems, Level IV
Chad McCammon

SUMMIT BUILDING (KESSLER CENTER NETWORK)
PORTABLE ADDITION 2022

SUMMIT BUILDING
1501 39TH STREET
PUYALLUP, WA 98375

Revisions shown with △ symbol

ISSUE LOG:

MARK	DATE	CAD	CHK	DESCRIPTION
1	10/04/21	RSC	JDB	AHJ COMMENTS
2	06/23/22	ARH	EQB	PORTABLE ADDITION - 650243493

DRAWN BY:	R.SOLANO
CHECKED BY:	J.BRIOSO
ISSUE DATE:	8/26/20
JOB #:	458437058
PROJECT #:	4258:619083301

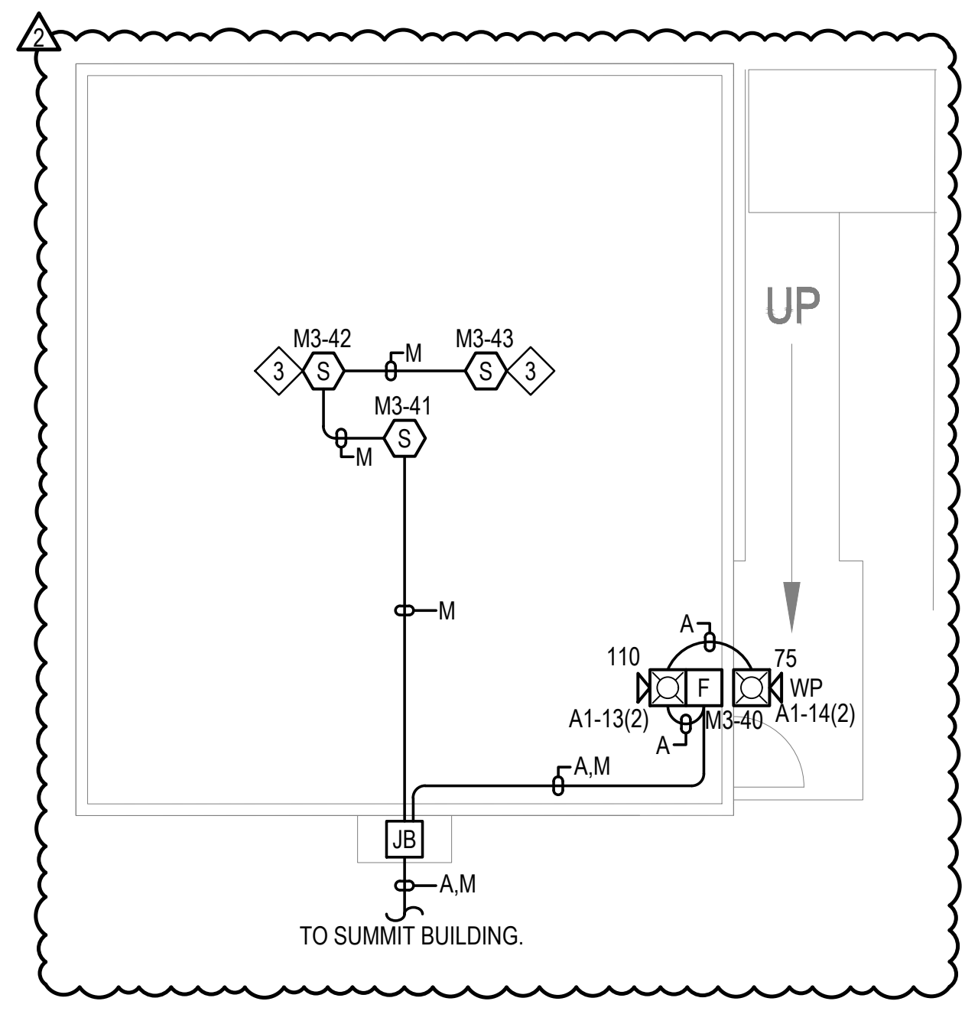
SYSTEM:
FIRE ALARM SYSTEM

SHEET:
COVER SHEET

FA-001

DEVICE PLACEMENT PLAN - SITE

SCALE:1/32" = 1'-0"



DEVICE PLACEMENT PLAN - PORTABLE

SCALE:1/8" = 1'-0"

GENERAL NOTES:

1. ALL CEILINGS ARE ASSUMED TO BE 10' A.F.F., SMOOTH CONSTRUCTION UNLESS NOTED OTHERWISE.
2. DO NOT CHANGE DEFAULT APPLIANCE CONFIGURATION SWITCH SETTINGS ON ADDRESSABLE A/V DEVICES (CFIG1). REFER TO DEVICE DETAILS AND INSTALLATION INSTRUCTIONS FOR MORE INFORMATION.
3. 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.

KEYNOTES:

1 GRAPHIC MAP. MOUNT BY FACP. LEAVE 6" MIN WALL SPACE BETWEEN PANEL AND MAP.

2 POWER SUPPLY REQUIRES 120VAC AND EARTH GROUND, SEE RISER DIAGRAM (FA-200 SERIES) FOR ADDITIONAL TERMINATIONS AND REQUIRED WIRE CONNECTIONS.

3 SMOKE DETECTOR INSTALLED WITHIN 36" OF PEAK ABOVE DROP TILE CEILING.

4 LOCATED ABOVE CEILING.

2 **REVISION 2 NOTES:**

1. EXISTING DEVICE LOCATIONS AND WIRING ARE SHOWN LIGHT AND ARE BASED UPON RECORD DRAWING INFORMATION PROVIDED BY OTHERS. FIELD VERIFY ALL LOCATIONS AND CONNECTIONS TO EXISTING EQUIPMENT. CONTRACTOR TO RED LINE AND NOTE ANY AND ALL CHANGES ON THE RECORD DRAWING SET.

REVISION 2 KEYNOTES:

A REPLACE EXISTING GRAPHIC MAP WITH UPDATED COPY PROVIDED.

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SCALE:1/8" = 1'-0" IN FEET
0 4' 8' 16'

Johnson Controls
DISTRICT - 458
9520 10TH AVENUE SOUTH, SUITE 100
SEATTLE, WA 98108 PHONE: 206-291-1400
SERVICE: 206-291-1400 FAX: 206-291-1500

DRAWINGS REVIEWED BY:

Chad McCammon, SET
NICET #090810
Fire Alarm Systems, Level IV
Chad McCammon

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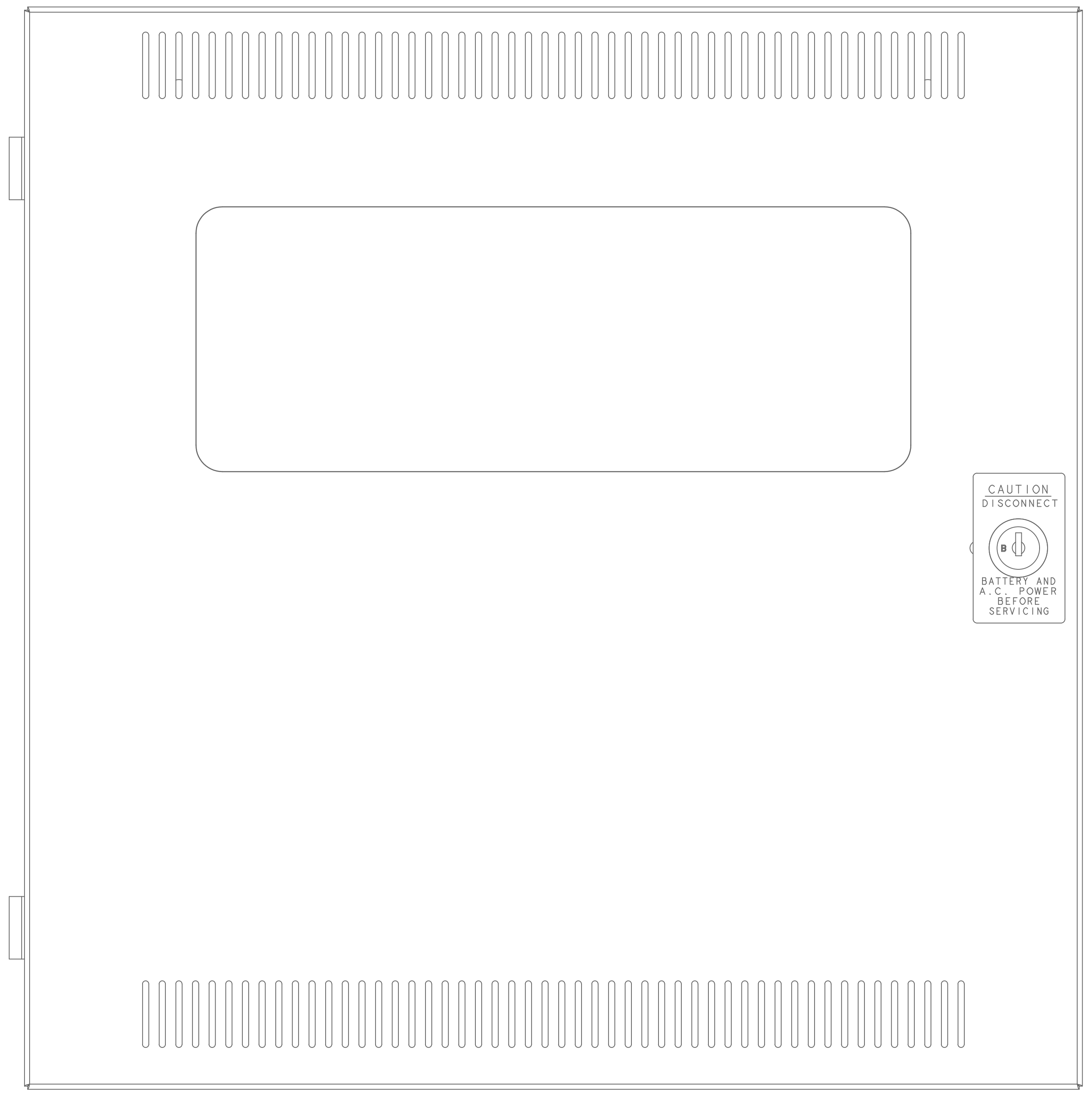
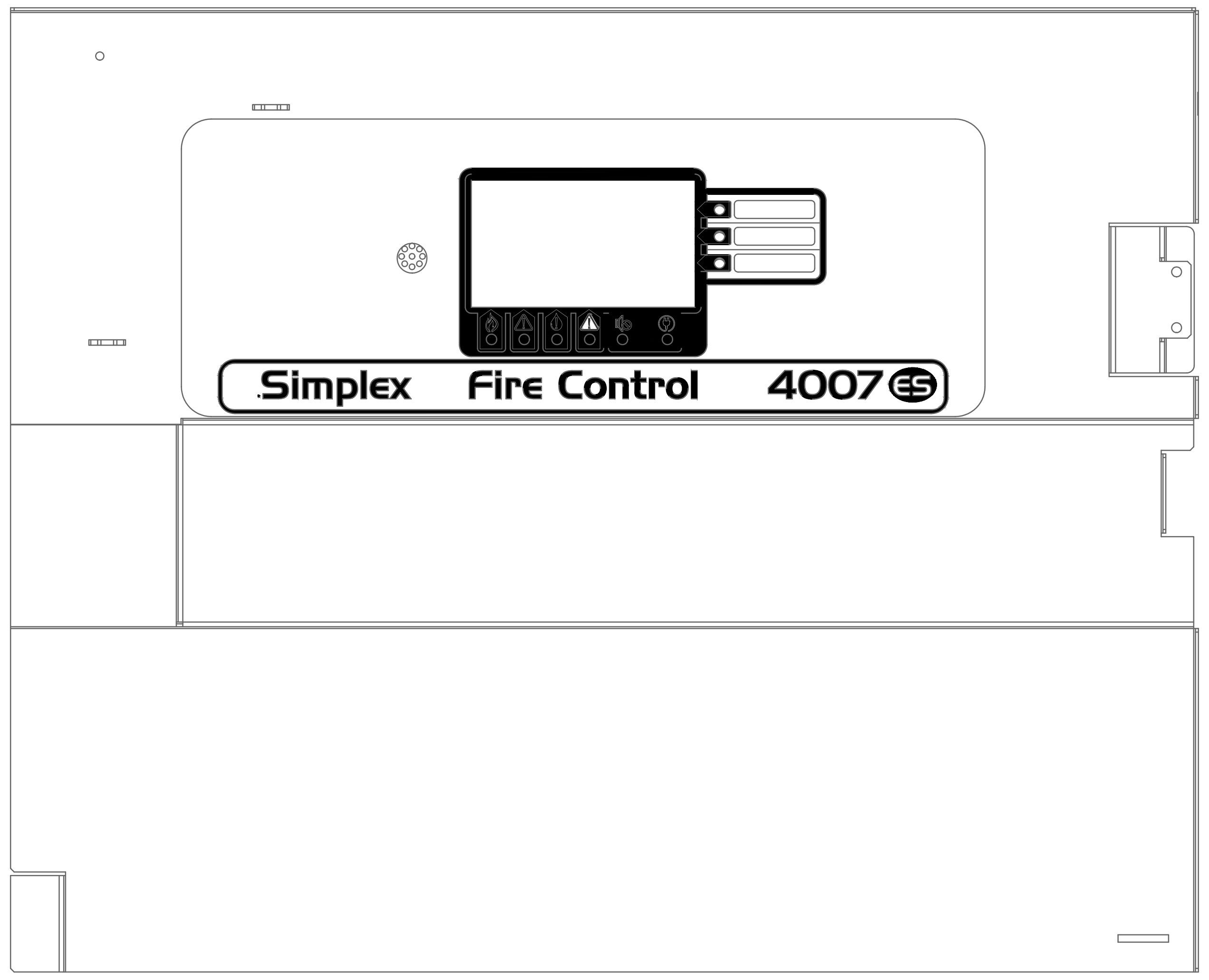
CHECKED BY:	J.BRIOSO
ISSUE DATE:	8/26/20
JOB #:	458437058
PROJECT #:	4258:619083301

SYSTEM:
FIRE ALARM SYSTEM

SHEET:
DEVICE PLACEMENT PLAN - PORTABLE

FA-102

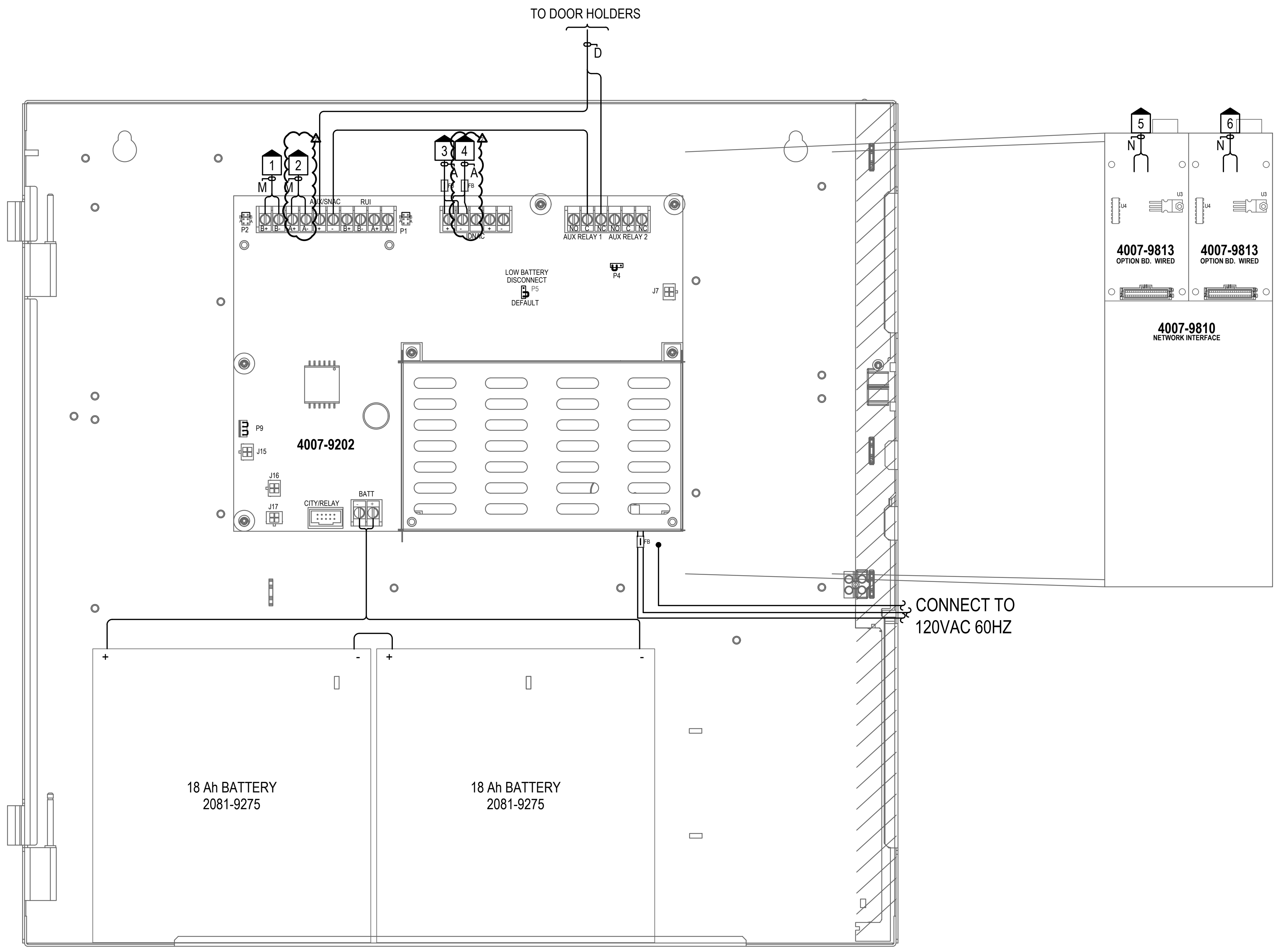




4007 TERMINATIONS

TERMINATION NUMBER

	CIRCUIT LABEL	CKT DESCRIPTION	WIRE
1	M1	SUMMIT BLDG IDNET DEVICES	M
2	M1	PORTABLE IDNET DEVICES	M
3	A1(1)	SUMMIT BLDG IDNAC DEVICES	A
4	A1(2)	PORTABLE IDNAC DEVICES	A
5	NETWORK	TO KESSLER CENTER BLDG FACP	N
6	NETWORK	FROM KESSLER CENTER BLDG FACP	N



KEEP BATTERY WIRING TERMINALS TO THE FRONT OF THE BOX.
IF THE DACT SPACE OR THE CITY/RELAY OPTION CARD IS USED, RUN 734-306 HARNESS WIRING ON THE BACK OF THE BOX TO MAINTAIN SEPARATION FROM BATTERY WIRING.

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Fire	Traffic

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SEATTLE, WA 98108
SERVICE: 206-291-1400
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DRAWN BY:	R.SOLANO
CHECKED BY:	J.BRIOSO
ISSUE DATE:	8/26/20
JOB #:	458437058
PROJECT #:	4258:619083301

SYSTEM:
FIRE ALARM SYSTEM

SHEET:
PANEL DETAIL

FA-501

FILE PATH: C:\Users\jhalea\Johnson Controls\Project Electronics - 650243493_PSD Kessler Ctr Portables\Existing Dwgs\Fire Alarm System\FA-501.dwg
LAST SAVED BY: JHALEA
LAST PRINTED: 6/23/2022 12:23:31 PM
30" x 42" - Arch E1 Size

IDNET CHANNEL M3			ADDRESSES IN USE: 31 (12.4%) | SPARE ADDRESSES: 219 (87.6%)		SWITCH SETTINGS								
Address	Device Type	Point Type	Location Description		1	2	3	4	5	6	7	8	
M3-1					X								ON
M3-2						X							ON
M3-3					X	X							ON
M3-4							X						ON
M3-5					X		X						ON
M3-6						X	X						ON
M3-7					X	X	X						ON
M3-8								X					ON
M3-9					X			X					ON
M3-10						X		X					ON
M3-11	ADRPUL	PULL	CORRIDOR BY FACP	3-11	X	X		X					ON
M3-12	PHOTO	SMOKE	CORRIDOR BY IAES 109	3-12			X	X					ON
M3-13	PHOTO	SMOKE	SUMMIT 110	3-13	X		X	X					ON
M3-14	PHOTO	SMOKE	IAES 109	3-14		X	X	X					ON
M3-15	PHOTO	SMOKE	TOILET 108	3-15	X	X	X	X					ON
M3-16	PHOTO	SMOKE	CORRIDOR BY RM OFFICE 103	3-16					X				ON
M3-17	PHOTO	SMOKE	SUMMIT 111	3-17	X				X				ON
M3-18	PHOTO	SMOKE	WOMEN 105	3-18		X			X				ON
M3-19	PHOTO	SMOKE	OFFICE 103	3-19	X	X			X				ON
M3-20	PHOTO	SMOKE	MEN 106	3-20			X		X				ON
M3-21	PHOTO	SMOKE	CONFERENCE/LOUNGE 104	3-21	X		X		X				ON
M3-22	PHOTO	SMOKE	STORAGE 107	3-22		X	X		X				ON
M3-23	PHOTO	SMOKE	SUMMIT 110 ABOVE CEILING EAST	3-23	X	X	X		X				ON
M3-24	PHOTO	SMOKE	IAES 109 ABOVE CEILING EAST	3-24				X	X				ON
M3-25	PHOTO	SMOKE	CONFERENCE/LOUNGE 104 ABOVE CEILING	3-25	X			X	X				ON
M3-26	PHOTO	SMOKE	OFFICE 103 ABOVE CEILING	3-26		X		X	X				ON
M3-27	PHOTO	SMOKE	SUMMIT 111 ABOVE CEILING WEST	3-27	X	X		X	X				ON
M3-28	PHOTO	SMOKE	SUMMIT 110 ABOVE CEILING WEST	3-28			X	X	X				ON
M3-29	PHOTO	SMOKE	SUMMIT 111 ABOVE CEILING EAST	3-29	X		X	X	X				ON
M3-30	PHOTO	SMOKE	IAES 109 ABOVE CEILING WEST	3-30		X	X	X	X				ON
M3-31	PHOTO	SMOKE	TOILET 108 ABOVE CEILING	3-31	X	X	X	X	X				ON
M3-32	PHOTO	SMOKE	STORAGE 107 ABOVE CEILING	3-32						X			ON
M3-33	PHOTO	SMOKE	OFFICE 103 ABOVE CEILING SOUTHWEST	3-33	X					X			ON
M3-34	PHOTO	SMOKE	MEN 106 ABOVE CEILING	3-34		X				X			ON
M3-35	PHOTO	SMOKE	WOMEN 105 ABOVE CEILING	3-35	X	X				X			ON
M3-36	PHOTO	SMOKE	CORRIDOR BY RM OFFICE 103 ABOVE CEILING	3-36			X			X			ON
M3-37	PHOTO	SMOKE	CORRIDOR BY IAES 109 ABOVE CEILING	3-37	X		X			X			ON
M3-38						X	X			X			ON
M3-39					X	X	X			X			ON
M3-40	ADRPUL	PULL	SUMMIT PORTABLE	3-40				X		X			ON
M3-41	PHOTO	SMOKE	SUMMIT PORTABLE	3-41	X			X		X			ON
M3-42	PHOTO	SMOKE	SUMMIT PORTABLE ABOVE CEILING WEST	3-42		X		X		X			ON
M3-43	PHOTO	SMOKE	SUMMIT PORTABLE ABOVE CEILING EAST	3-43	X	X		X		X			ON
M3-44							X	X		X			ON
M3-45					X		X	X		X			ON
M3-46						X	X	X		X			ON
M3-47					X	X	X	X		X			ON
M3-48									X	X			ON
M3-49					X				X	X			ON
M3-50						X			X	X			ON
M3-125					X		X	X	X	X	X		ON

2

NOTE: THE LABELS SHOWN ABOVE WILL BE USED FOR PROGRAMMING PURPOSES.
THE LABELS ARE BASED UPON INFORMATION SHOWN ON THE ARCHITECTURAL DRAWINGS.
ANY CHANGES TO THESE LABELS MUST BE NOTED ON THE SUBMITTAL REVIEW, PRIOR TO PROGRAMMING.
POINTS SHOWN IN ITALIC TEXT REFER TO EXISTING DEVICES.

CORRIDOR AT WEST ENTRANCE - 4007es FACP

Module	Qty	Description		Standby Current	Total Standby	Alarm Current	Total Alarm
Panel Equipment							
4007-9202	1	**FIRE ALARM EPS CONTROL PANEL 100 PT ADDR. - PLATINUM**	*	**0.1800**	**0.1800**	**0.1850**	**0.1850**
4100-6078	1	NETWORK IF CARD, MODULAR		0.0460	0.0460	0.0460	0.0460
4100-6056	2	NETWORK MEDIA CARD WIRED		0.0550	0.1100	0.0550	0.1100
4007-9813	2	WIRED MEDIA MODULE		0.0550	0.1100	0.0550	0.1100
4007-9810	1	NETWORK INTERFACE CARD		0.0300	0.0300	0.0300	0.0300
		Panel Totals			**0.4760**		**0.4810**
IDNet Addressable Devices (SLC)							
4098-9714	29	TRUEALARM PHOTO SMOKE SENSOR		Constant current draw of .8mA standby and 1mA alarm per address used. Devices requiring additional current are accounted for in the section labeled "Miscellaneous Peripheral Devices Requiring Additional System Power".			
4098-9792	29	TRUEALARM SENSOR BASE	*				
4099-9004	2	ADDRESSABLE SINGLE ACTION MANUAL STATION	*				
IDNac Notification Appliances			**Setting**				
49AV-APPLW-O	3	A/V WEATHERPROOF APPLIANCE ONLY, WALL MT	**WP75**	0.0008	0.0024	0.2380	0.7140
49AV-WWF	1	A/V WALL MT, WHITE, FIRE LABEL	**110**	0.0008	0.0008	0.1390	0.1390
49AV-WWF	2	A/V WALL MT, WHITE, FIRE LABEL	**15**	0.0008	0.0016	0.0590	0.1180
49AV-WWF	2	A/V WALL MT, WHITE, FIRE LABEL	**30**	0.0008	0.0016	0.0670	0.1340
49AV-WWF	2	A/V WALL MT, WHITE, FIRE LABEL	**75**	0.0008	0.0016	0.1070	0.2140
		Total IDNac Device Current:			**0.0112**		**1.5070**
		IDNac Current Boost for 29vdc Regulated Output **					**0.8592**
		Peripheral Totals			**0.0000**		**2.3662**
		RUI Totals	**0**		**0.0000**		**0.0000**
		Address Totals	**31 Addresses**		**0.0248**		**0.0310**
		System Totals*:		**Standby**	**0.5120**	**Alarm**	**2.8782**

2

* Device Address current draw included below (See Additional Current Draws):
1. 2-wire detector alarm current is included in the alarm current of the Initiating Device Circuit.

Battery Set #1 (Cabinet/Charger #1)				Standby Current	Standby Total	Alarm Current	Alarm Total
Select ALL Power Supplies on this battery set:							
4007es					0.4872		1.9880
				Sub Total	**0.4872**		**1.9880**
Additional Current Draws:							
IDNac Current Boost for 29vdc Regulated Output **							0.8592
RUI Connected Peripheral Devices		0		x 0.0035	= 0.0000	x 0.0035	= 0.0000
MAPNET/IDNet Device Address Communication Current		31		x 0.000800	= 0.0248	x 0.001000	= 0.0310
				Sub Total	**0.5120**		**2.8782**
Spare addressable point capacity	**0%**	0		x 0.0008	= 0.0000	x 0.001	= 0.0000
				Total	**0.5120**		**2.8782**
Standby Time =	**24**	Hrs		x 0.5120	= 12.2880	Standby Ah	
Alarm Time =	**5**	Min		0.08333 x 2.8782	= 0.2398	Alarm Ah	
					12.5278		
Additional Spare Battery Capacity =	**0%**			+	0.0000		
					12.5278		
Battery Discharge Factor =	**20%**			+	2.5056		
Minimum Battery Required	**2081-9275 18AH (2x)**				**15.0334**		
Battery Supplied	**2081-9275 18AH (2x)**						

2

* System Totals represent total system current requirements. Those currents may be distributed between multiple battery sets or power supplies as shown above.

** IDNac Current Boost formula: ((29.5 * IDNac Alarm Current) / .92) / 20.4 = Adjusted Current
DC-DC Converter Output = 29.5vdc. Terminal Output is 29vdc due to 0.5vdc internal loss.
Converter Worst Case efficiency is 92%, 20.4vdc represents battery output in 85% depleted state

CORRIDOR AT WEST ENTRANCE - - 4007es CIRCUIT SUMMARY & VOLTAGE DROP

Channel	Description	Alarm Current	% Drop	Unit Load*	Wire Length	Spare Current	Spare VoltageDrop
A1	SUMMIT BLDG IDNAC DEVICES	1.507A	1.20%	14	464	50%	94%

2

A ENHANCED POWER SUPPLY - CHANNEL 1						SWITCH SETTINGS								
IDNac Address	Device Type	PID	Setting	Custom Label (Max 40 Characters)		1	2	3	4	5	6	7	8	
A1-1	AV	49AV-WWF	30cd	IAES 109	1-1	X								ON
A1-2	VO	49VO-WWF	15cd	TOILET 108	1-2		X							ON
A1-3	VO	49VO-WWF	15cd	WOMEN 105	1-3	X	X							ON
A1-4	AV	49AV-WWF	15cd	OFFICE 103	1-4			X						ON
A1-5	VO	49VO-WWF	15cd	MEN 106	1-5	X		X						ON
A1-6	AV	49AV-WWF	30cd	CONFERENCE/LOUNGE 104	1-6		X	X						ON
A1-7	AV	49AV-APPLW-O	WP75	CONFERENCE/LOUNGE 104 OUTSIDE	1-7	X	X	X						ON
A1-8	AV	49AV-WWF	15cd	CORRIDOR BY RM SUMMIT 111	1-8				X					ON
A1-9	AV	49AV-WWF	75cd	SUMMIT 111	1-9	X			X					ON
A1-10	AV	49AV-WWF	75cd	SUMMIT 110	1-10		X		X					ON
A1-11	VO	49VO-WWF	15cd	CORRIDOR BY FACP AT WEST ENTRANCE	1-11	X	X		X					ON
A1-12	AV	49AV-APPLW-O	WP75	SUMMIT 110 OUTSIDE	1-12			X	X					ON
A1-13	AV	49AV-WWF	110cd	INSIDE PORTABLE	1-13	X		X	X					ON
A1-14	AV	49AV-APPLW-O	WP75	OUTSIDE PORTABLE	1-14		X	X	X					ON

2

A1 — Notification SLC Distributed Load Voltage Drop

Starting Voltage: 29vdc
Min. Device Voltage: 23.vdc
Allowable % Drop: 20.7%

Primary Wire Gauge: 14ga
Home Run Wire Gauge: 14ga

Wire Res. Per Ft. 0.003070 @ 75° Celsius
Wire Res. Per Ft. 0.003070 @ 75° Celsius

							Class B Calculations			
Branch	Device #	From	Distance (Feet)	PID	Setting	Device Draw	Current at Device	Voltage Drop	Voltage at Device	% Vdrop Wire Length
1	A1-1	A1-3	30	49AV-WWF	30cd	0.0670	0.114	0.021	28.772	Branch 1: 1.2%
1	A1-2	A1-1	41	49VO-WWF	15cd	0.0470	0.047	0.012	28.760	Length: 354
1	A1-3	A1-4	34	49VO-WWF	15cd	0.0470	0.047	0.010	28.793	
1	A1-4	A1-8	40	49AV-WWF	15cd	0.0590	0.411	0.101	28.803	
1	A1-5	A1-4	17	49VO-WWF	15cd	0.0470	0.047	0.005	28.798	
1	A1-6	A1-4	23	49AV-WWF	30cd	0.0670	0.305	0.043	28.760	
1	A1-7	A1-6	23	49AV-APPLW-O	WP75	0.2380	0.238	0.034	28.726	
1	A1-8	PANEL	28	49AV-WWF	15cd	0.0590	0.558	0.096	28.904	Branch 1: 1.2%
1	A1-9	A1-8	37	49AV-WWF	75cd	0.1070	0.499	0.113	28.791	Length: 354
1	A1-10	A1-9	11	49AV-WWF	75cd	0.1070	0.392	0.026	28.764	
1	A1-11	A1-10	35	49VO-WWF	15cd	0.0470	0.285	0.061	28.703	
1	A1-12	A1-11	35	49AV-APPLW-O	WP75	0.2380	0.238	0.051	28.652	
2	A1-13	PANEL	100	49AV-WWF	110cd	0.1390	0.377	0.231	28.769	Branch 2: 0.85%
2	A1-14	A1-13	10	49AV-APPLW-O	WP75	0.2380	0.238	0.015	28.754	Length: 110

2

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

30" x 42" - Arch E1 Size
LAST PRINTED: 6/23/2022 12:23:35 PM
LAST SAVED BY: JHALEA
FILE PATH: C:\Users\jhalea\Johnson Controls\Project Electronics - 650243493_PSD Kessler Ctr Portables\Existing Dwgs\Fire Alarm System\FA-601.dwg

Johnson Controls
DISTRICT - 458
9520 10TH AVENUE SOUTH, SUITE 100
SEATTLE, WA 98108
SERVICE: 206-291-1400
PHONE: 206-291-1400
FAX: 206-291-1500

DRAWINGS REVIEWED BY:
Chad McCammon, SET
NICET #090810
Fire Alarm Systems, Level IV
Chad McCammon

SUMMIT BUILDING (KESSLER CENTER NETWORK) PORTABLE ADDITION 2022

SUMMIT BUILDING
1501 39TH STREET
PUYALLUP, WA 98375

ISSUE LOG: Revisions shown with △ symbol

MARK	DATE	CAD	CHK	DESCRIPTION
1	10/04/21	RSC	JDB	AHJ COMMENTS
2	06/23/22	ARH	EQB	PORTABLE ADDITION - 650243493

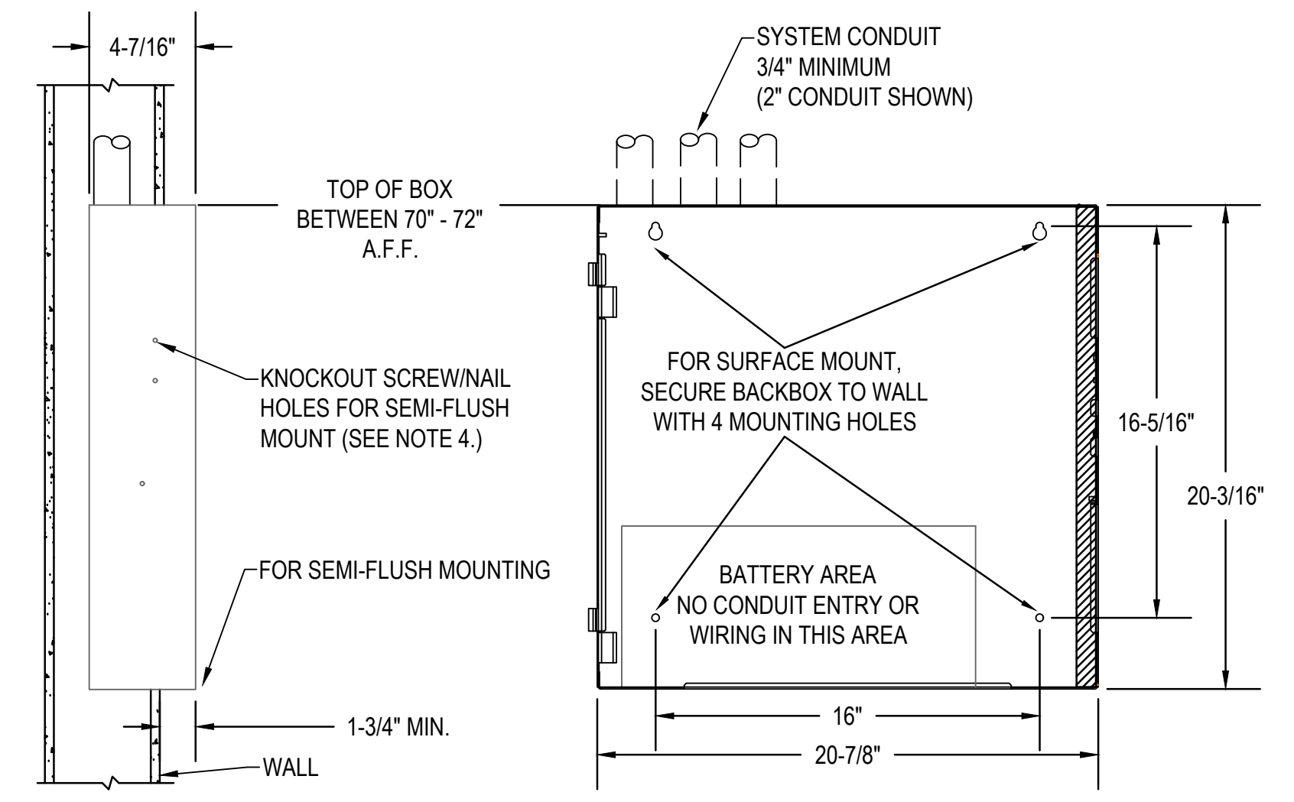
DRAWN BY:	R.SOLANO
CHECKED BY:	J.BRIOSO
ISSUE DATE:	8/26/20
JOB #:	458437058
PROJECT #:	4258:619083301

SYSTEM:
FIRE ALARM SYSTEM

SHEET:
FACP - CALCULATIONS AND SCHEDULES

FA-601

FACP BACKBOX INSTALLATION
SIMPLEX 4007es SERIES

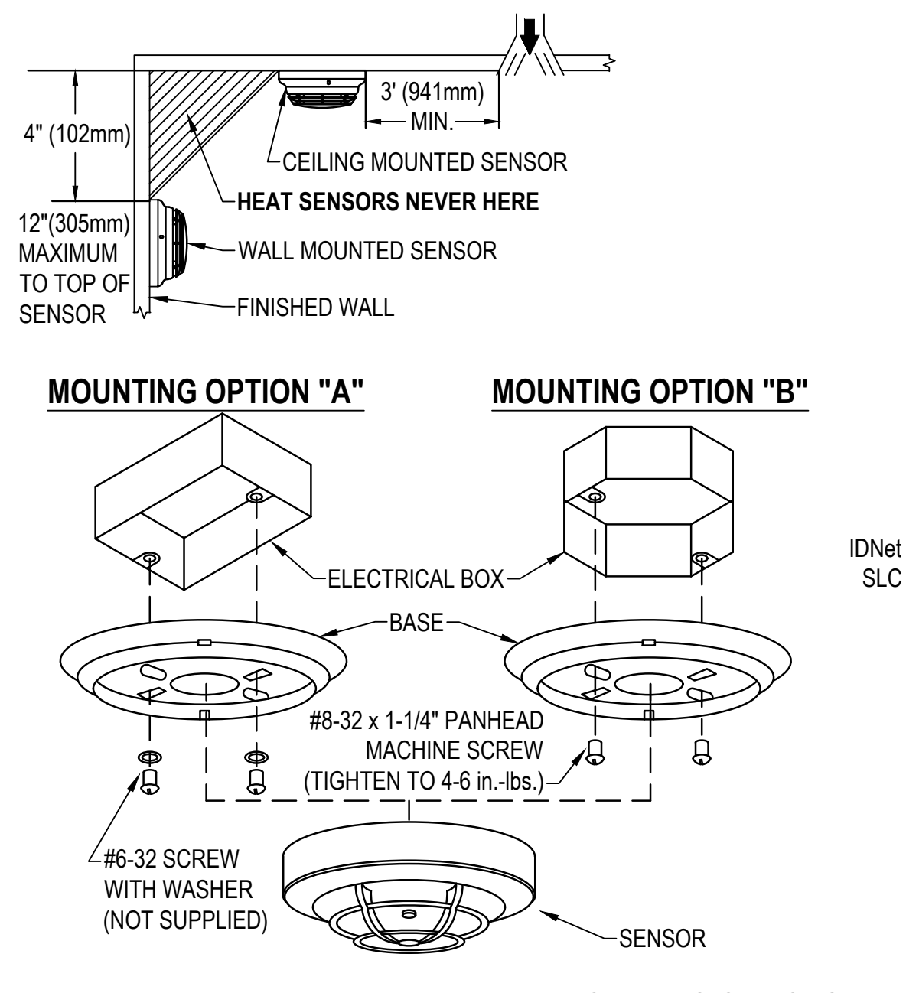


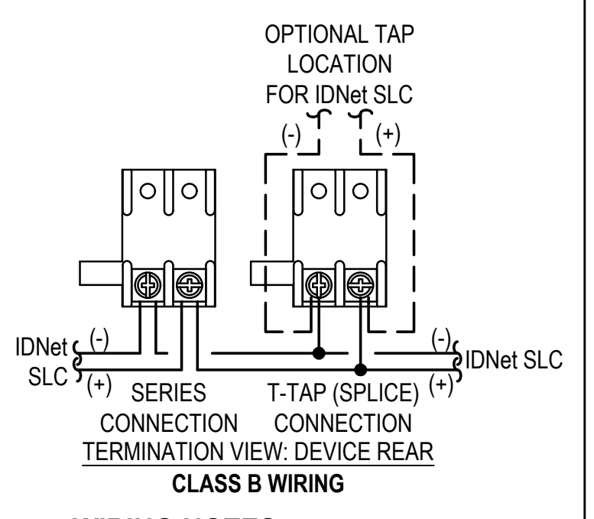
MOUNTING NOTES

1. REMOVE ELECTRONICS AND STORE IT IN A SAFE DRY AREA.
2. NO KNOCKOUTS PROVIDED. CUT CONDUIT/SERVICE ENTRANCE OPENINGS. REFER TO ILLUSTRATION FOR PROPER LOCATIONS. CONDUIT PROTRUSION INTO BOX 1/2" MAX.
3. MOUNT BOX TO WALL: BOX MUST BE LEVEL AND PLUMB. FOR SURFACE MOUNT USE TEAR DROP AND CLEARANCE HOLES ON BACK SURFACE.
4. FOR SEMI-FLUSH MOUNT: USE KNOCKOUTS ON SIDE WALL AND SCREW OR NAIL BOX TO WALL STUDS.
5. IF PRESENT, USE WIRE MANAGEMENT BRACKETS ON BOX SIDES TO SECURE WIRE RUNS.
6. 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.
7. USE SEPARATE CONDUIT ENTRANCES FOR POWER LIMITED AND NON-POWER LIMITED WIRING.

FOR ADDITIONAL INFORMATION, DOWNLOAD DATA SHEET S4007-0002 FROM HTTP://WWW.SIMPLEX-FIRE.COM

STANDARD SENSOR BASE
SIMPLEX 4098-9792





TERMINATION VIEW: DEVICE REAR
CLASS B WIRING

WIRING NOTES

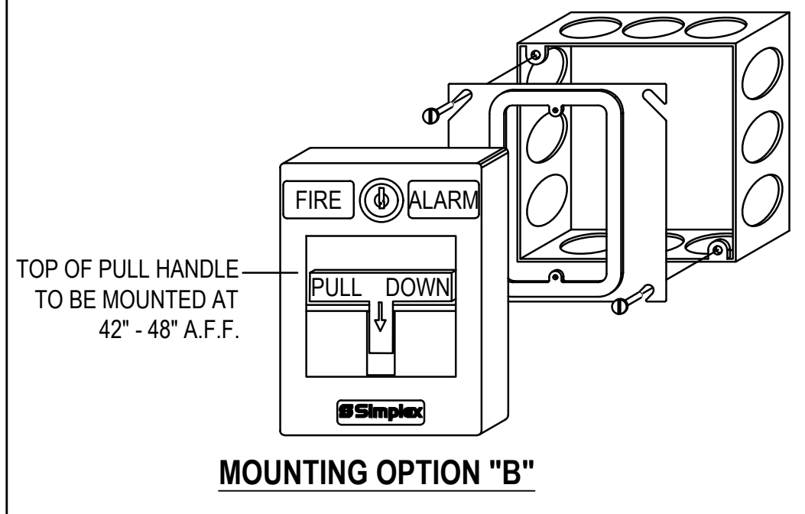
1. MAINTAIN CORRECT POLARITY ON TERMINAL CONNECTIONS.
2. ALWAYS CUT CONDUCTORS AND SECURE UNDER TERMINALS. NEVER LOOP WIRES UNDER TERMINALS.
3. ANY WIRE SPLICES TO BE MADE BY LISTED AND AHJ APPROVED METHODS.

MOUNTING OPTIONS

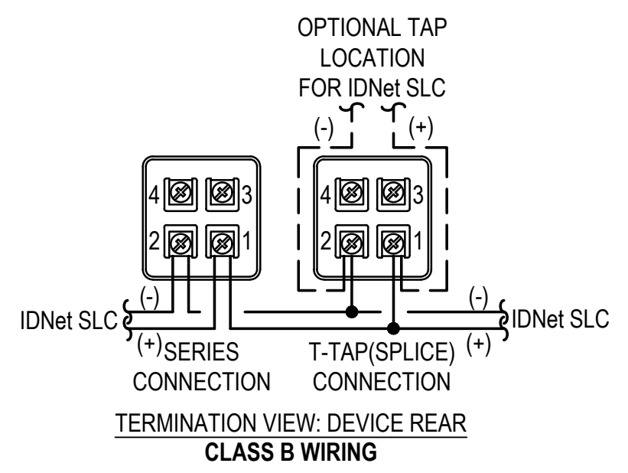
OPTION[1]	DESCRIPTION	NOTE
A	SINGLE GANG BOX, 2-1/8" (54mm) DEEP - FLUSH MOUNT	BY OTHERS
B	4" (102mm) OCTAGONAL BOX, 1-1/2" (38mm) DEEP, MINIMUM - FLUSH MOUNT	BY OTHERS
C	4" (102mm) SQUARE BOX, 1-1/2" DEEP (MIN) W/ SIMPLEX 4098-9832 ADAPTER KIT	BOX BY OTHERS, 4098-9832 ORDERED SEPARATELY
D	4" (102mm) SQUARE BOX, 1-1/2" DEEP (MIN) W/ SINGLE GANG COVER PLATE 3/4" (19mm) EXTENSION	BY OTHERS

1. FOR ADDITIONAL MOUNTING OPTIONS, DOWNLOAD DATA SHEET 4098-0019 FROM HTTP://WWW.SIMPLEX-FIRE.COM

ADDRESSABLE PULL STATIONS
SIMPLEX 4099 SERIES



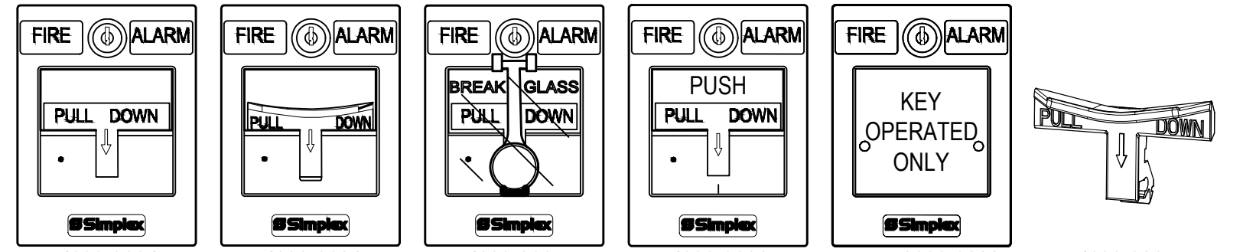
MOUNTING OPTION "B"



TERMINATION VIEW: DEVICE REAR
CLASS B WIRING

WIRING NOTES

1. MAINTAIN CORRECT POLARITY ON TERMINAL CONNECTIONS.
2. ALWAYS CUT CONDUCTORS AND SECURE UNDER TERMINALS. NEVER LOOP WIRES UNDER TERMINALS.
3. ANY WIRE SPLICES TO BE MADE BY LISTED AND AHJ APPROVED METHODS.



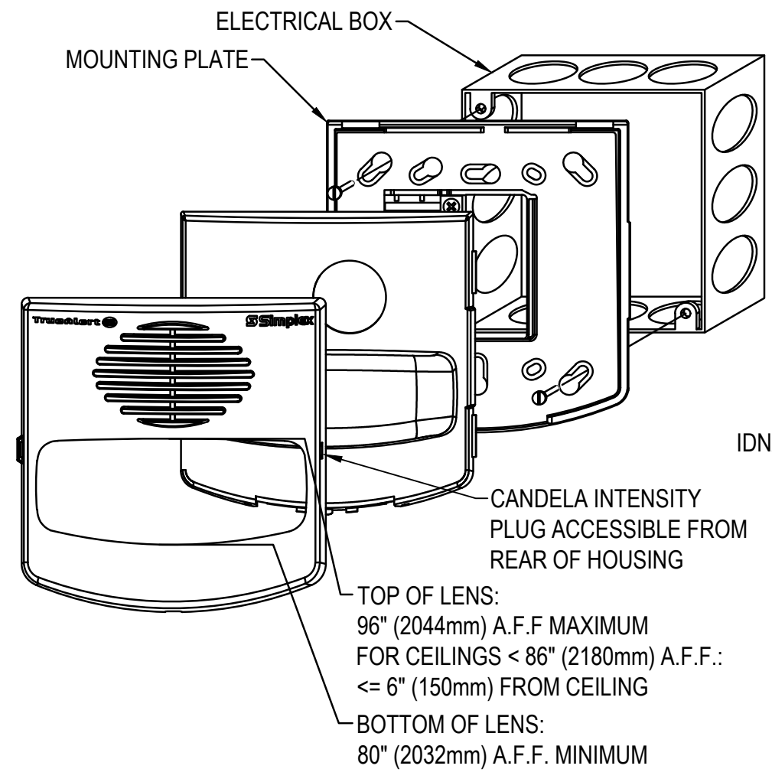
4099-9004 SINGLE ACTION
4099-9021 NO GRIP SINGLE ACTION
4099-9005 BREAKGLASS
4099-9006 PUSH
WITH 2099-9828 INSTITUTIONAL COVER KIT
4099-9805 NO GRIP RETROFIT KIT

MOUNTING OPTIONS

OPTION[1]	DESCRIPTION	NOTE
A	SINGLE GANG BOX, 2-1/2" (64mm) DEEP	BY OTHERS
B	4" (102mm) SQUARE BOX, 2-1/8" DEEP (MIN) W/ SINGLE GANG COVER PLATE 3/4" (19mm) EXTENSION	BY OTHERS
C	SIMPLEX 2975-9022 - 5H x 3-7/8"W x 2-3/16"D (127mm x 98mm x 56mm)	ORDERED SEPARATELY
D	SIMPLEX 2975-9178 - 5-3/4"H x 3-7/8"W x 2-3/16"D (132mm x 102mm x 56mm)	ORDERED SEPARATELY

1. FOR ADDITIONAL MOUNTING OPTIONS, DOWNLOAD DATA SHEET 4099-0005 FROM HTTP://WWW.SIMPLEX-FIRE.COM

True*Alert* ES ADDRESSABLE APPLIANCES
SIMPLEX 49AV SERIES WALL MOUNTED AUDIBLE / VISUAL



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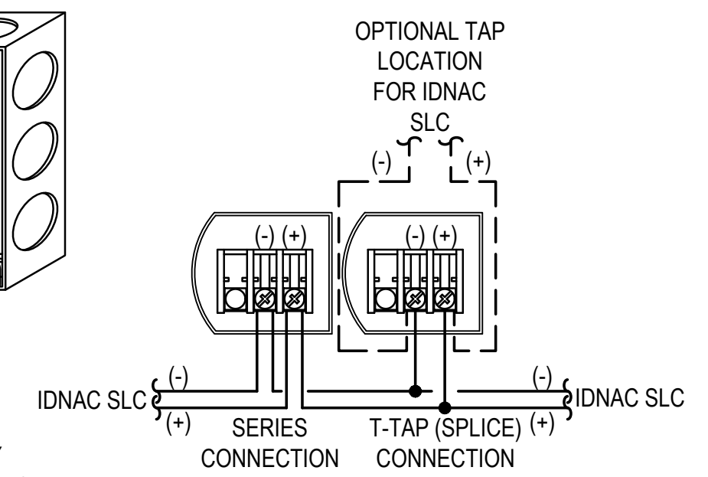


TERMINATION VIEW: DEVICE MOUNTING PLATE
CLASS B WIRING

WIRING NOTES

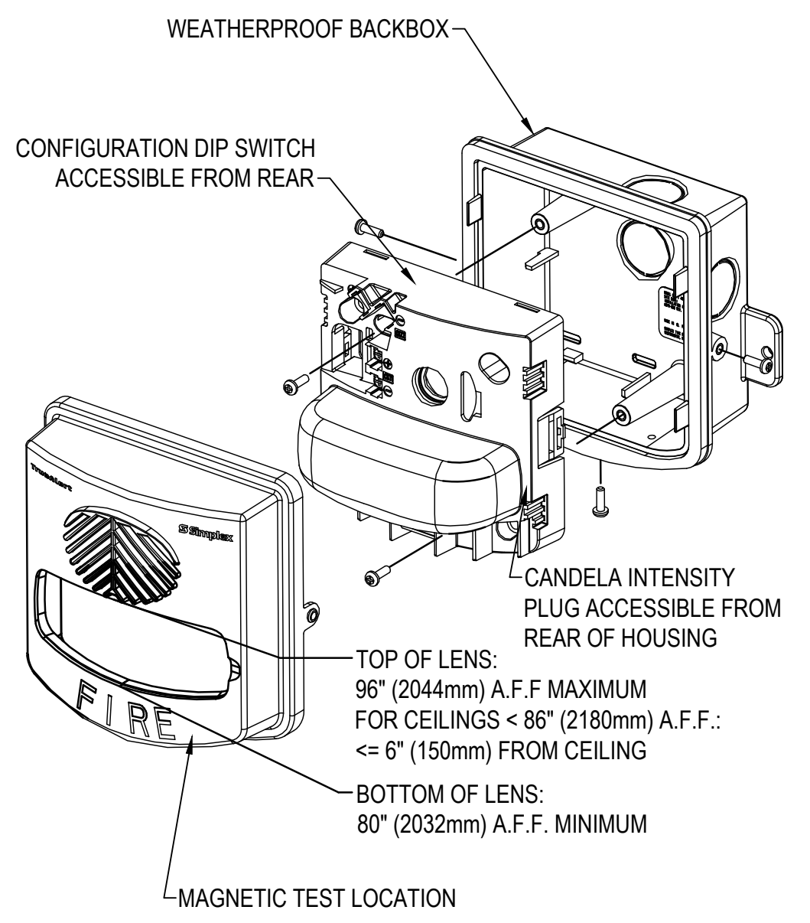
1. MAINTAIN CORRECT POLARITY ON TERMINAL CONNECTIONS.
2. ALWAYS CUT CONDUCTORS AND SECURE UNDER TERMINALS. NEVER LOOP WIRES UNDER TERMINALS.
3. ANY WIRE SPLICES TO BE MADE BY LISTED AND AHJ APPROVED METHODS.

MOUNTING OPTIONS

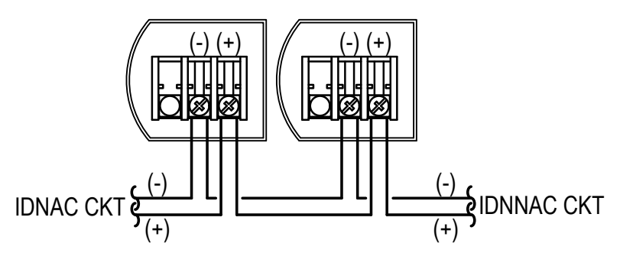
OPTION[1]	DESCRIPTION	NOTE
A	SINGLE GANG OR DOUBLE GANG BOX, 1-1/2" (38mm) DEEP (MIN)	BY OTHERS
B	4" (102mm) SQUARE BOX, 1-1/2" DEEP (MIN)	BY OTHERS
C	SIMPLEX 2975-9145, 7-7/8"H x 5-1/8"W x 2-3/4"D (127mm x 98mm x 56mm) REQUIRES 4905-9931 PLATE	ORDERED SEPARATELY

1. FOR ADDITIONAL MOUNTING OPTIONS, DOWNLOAD DATA SHEET S49AV-0001 FROM HTTP://WWW.SIMPLEX-FIRE.COM

True*Alert* ES ADDRESSABLE APPLIANCES
SIMPLEX 49WP SERIES WEATHERPROOF WALL MOUNTED VISUAL ONLY & AUDIBLE / VISUAL



MOUNTING OPTION "A"



TERMINATION VIEW: DEVICE MOUNTING PLATE
CLASS B WIRING

WIRING NOTES

1. MAINTAIN CORRECT POLARITY ON TERMINAL CONNECTIONS.
2. ALWAYS CUT CONDUCTORS AND SECURE UNDER TERMINALS. NEVER LOOP WIRES UNDER TERMINALS.
3. ANY WIRE SPLICES TO BE MADE BY LISTED AND AHJ APPROVED METHODS.

MOUNTING INSTRUCTIONS

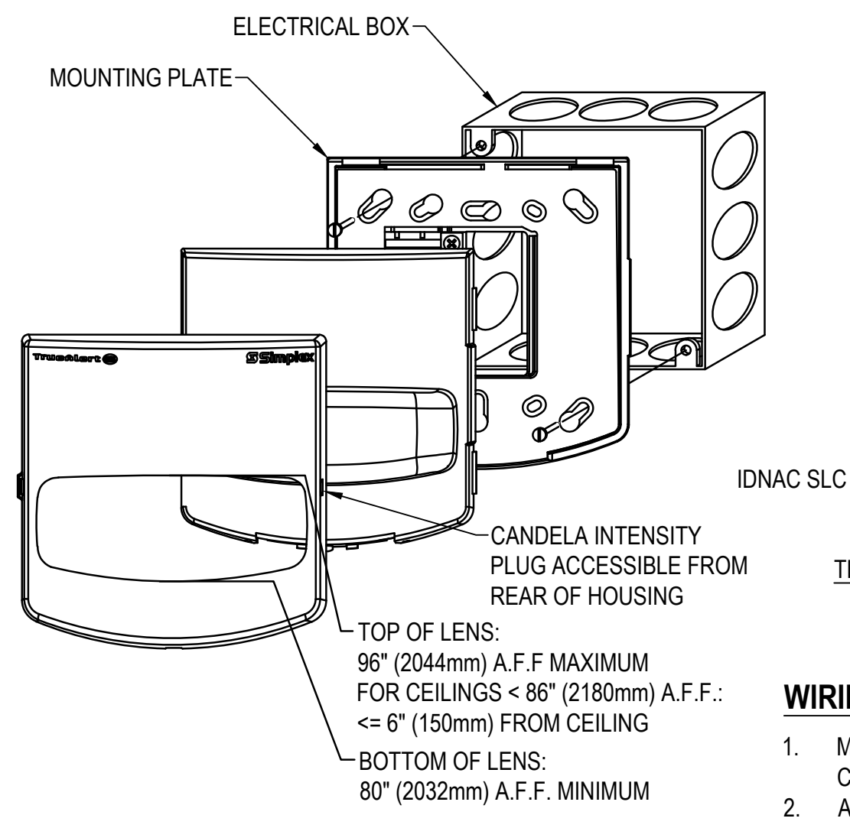
1. ASSEMBLE THE HOUSING ONTO THE WEATHERPROOF BACKBOX ASSURING EVEN CONTACT WITH THE GASKET AROUND THE PERIPHERY.
2. USING THE HOLES INDICATED, ASSEMBLE THE HOUSING TO THE BACKBOX. TIGHTEN SCREWS TO RECOMMENDED TORQUE.
3. ASSEMBLE THE COVER TO THE WEATHERPROOF BACKBOX USING SCREWS PROVIDED. TIGHTEN SCREWS TO RECOMMENDED TORQUE.

MOUNTING OPTIONS

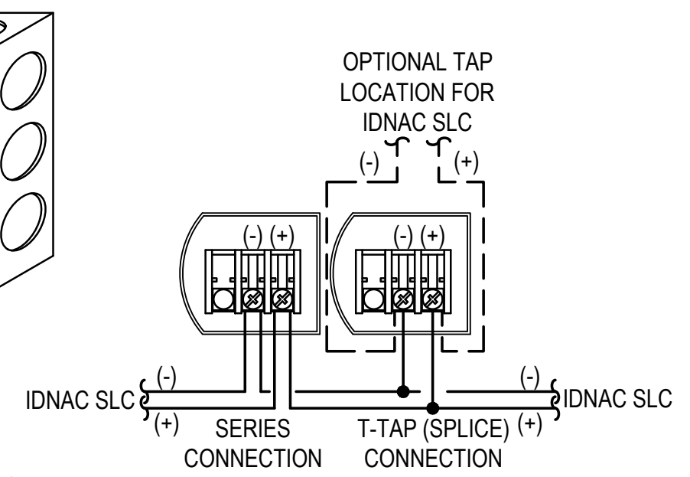
OPTION[1]	DESCRIPTION	NOTE
A	SIMPLEX 49WPBB-AVVOWR 1-1/2" DEEP WEATHERPROOF BOX - RED	ORDERED SEPARATELY
B	SIMPLEX 4905 9829 1-1/2" DEEP WEATHERPROOF BOX - WHITE	ORDERED SEPARATELY

1. FOR ADDITIONAL INFORMATION, DOWNLOAD DATA SHEET 49WP-0001 FROM HTTP://WWW.SIMPLEX-FIRE.COM

True*Alert* ES ADDRESSABLE APPLIANCES
SIMPLEX 49VO SERIES WALL MOUNTED VISUAL ONLY



MOUNTING OPTION "B"



TERMINATION VIEW: DEVICE MOUNTING PLATE
CLASS B WIRING

WIRING NOTES

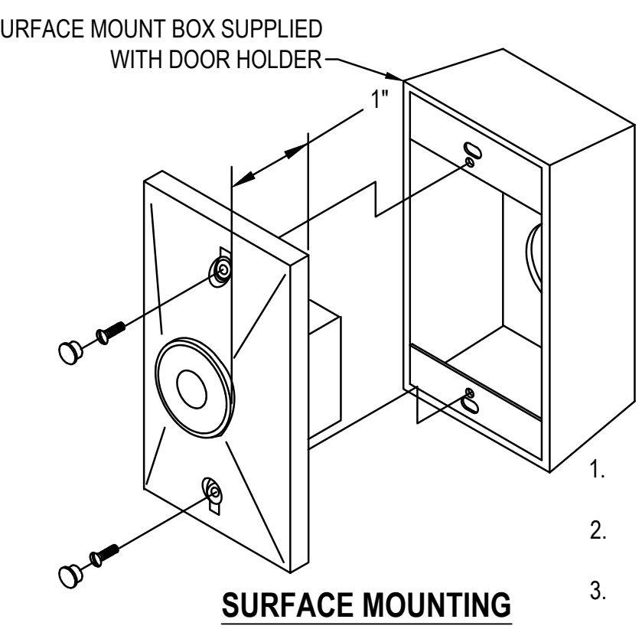
1. MAINTAIN CORRECT POLARITY ON TERMINAL CONNECTIONS.
2. ALWAYS CUT CONDUCTORS AND SECURE UNDER TERMINALS. NEVER LOOP WIRES UNDER TERMINALS.
3. ANY WIRE SPLICES TO BE MADE BY LISTED AND AHJ APPROVED METHODS.

MOUNTING OPTIONS

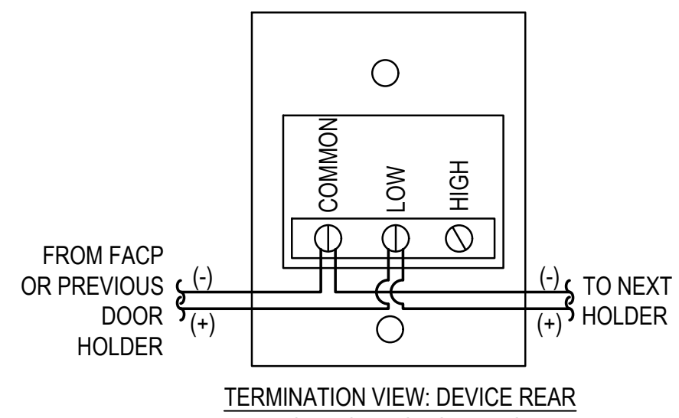
OPTION[1]	DESCRIPTION	NOTE
A	SINGLE GANG OR DOUBLE GANG BOX, 1-1/2" (38mm) DEEP (MIN)	BY OTHERS
B	4" (102mm) SQUARE BOX, 1-1/2" DEEP (MIN)	BY OTHERS
C	SIMPLEX 2975-9145, 7-7/8"H x 5-1/8"W x 2-3/4"D (127mm x 98mm x 56mm) REQUIRES 4905-9931 PLATE	ORDERED SEPARATELY

1. FOR ADDITIONAL MOUNTING OPTIONS, DOWNLOAD DATA SHEET S49VO-0001 FROM HTTP://WWW.SIMPLEX-FIRE.COM

MAGNETIC SURFACE MOUNT DOOR HOLDERS
DH1224 SERIES



SURFACE MOUNTING



TERMINATION VIEW: DEVICE REAR
LOW VOLTAGE SETTING

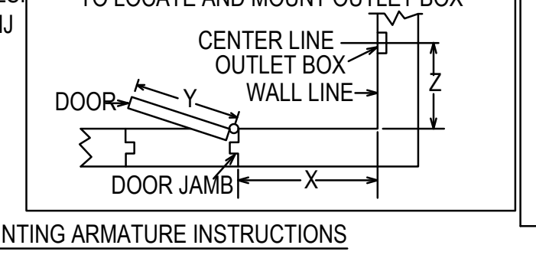
WIRING NOTES

1. MAINTAIN CORRECT POLARITY ON TERMINAL CONNECTIONS.
2. ALWAYS CUT CONDUCTORS AND SECURE UNDER TERMINALS. NEVER LOOP WIRES UNDER TERMINALS.
3. ANY WIRE SPLICES TO BE MADE BY LISTED AND AHJ APPROVED METHODS.

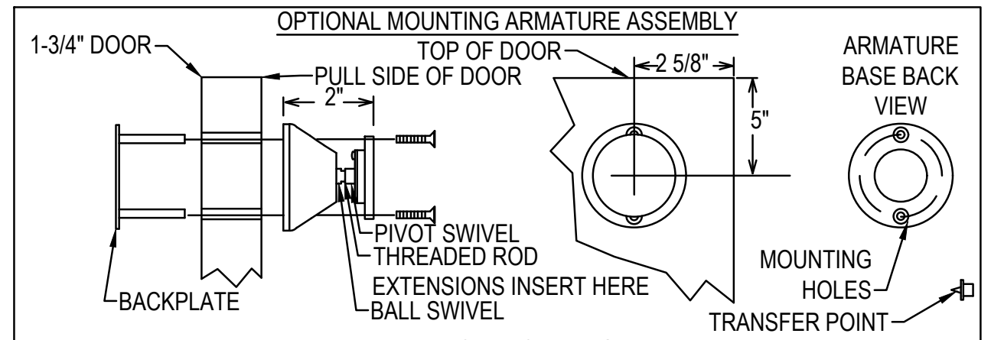
	Y = DIMENSION OF DOOR										
	28	30	32	34	36	38	40	42	44	46	48
X	Z = THE INTERSECTION OF X AND Y (THE DIMENSION BETWEEN WALL AND OUTLET BOX)										
2	26	28	29-7/8	32	34	36	38	40	42	43-7/8	45-5/8
4	26	28	29-7/8	32	34	36	38	40	42	43-7/8	45-5/8
6	25-7/8	27-5/8	29-5/8	31-3/4	33-3/4	35-3/4	37-3/4	39-3/4	41-3/4	43-5/8	45-3/8
8	25-1/4	27-1/4	29-1/4	31-3/8	33-1/2	35-1/2	37-3/8	39-1/2	41-1/2	43-3/8	45-1/4
10	24-5/8	26-3/4	28-3/4	30-7/8	33	35	37	39-1/8	41-1/8	43	44-7/8
12	23-3/4	25-7/8	28	30-1/8	32-1/4	34-3/8	36-3/8	38-1/2	40-5/8	42-1/2	44-3/8
14	23-3/4	25	27-1/4	29-3/8	31-1/2	33-3/4	35-7/8	38	40	42	43-7/8
16	21-3/4	24	26-1/4	28-1/2	30-3/4	33	35-1/8	37-1/4	39-3/8	41-3/8	43-3/8
18	20	22-1/2	25	27-3/8	29-3/4	32	34-1/4	36-1/2	38-5/8	40-5/8	42-1/2
20	18-1/4	21	23-1/2	26	28-1/2	30-7/8	33-1/8	35-1/2	37-5/8	39-5/8	41-5/8
22		18-3/4	21-5/8	24-3/8	27	29-3/8	31-3/4	34-1/8	36-1/2	38-5/8	40-3/4
24				22-1/2	25-1/2	28-1/8	30-5/8	33-1/8	35-5/8	37-7/8	40
26						26-1/4	29	31-5/8	34-1/4	36-1/2	38-5/8
28								29-3/4	32-1/2	34-7/8	37-1/8
30								27-3/4	30-5/8	33	35-3/8
32										31-3/8	33-7/8
X = DIMENSION OF DOOR JAMB TO WALL											

1. REFER TO DRAWING & CHART TO LOCATE OUTLET BOX.
2. INSTALL THE OUTLET BOX ON THE HORIZONTAL CENTER LINE 5" FROM TOP OF DOOR.

TO LOCATE AND MOUNT OUTLET BOX

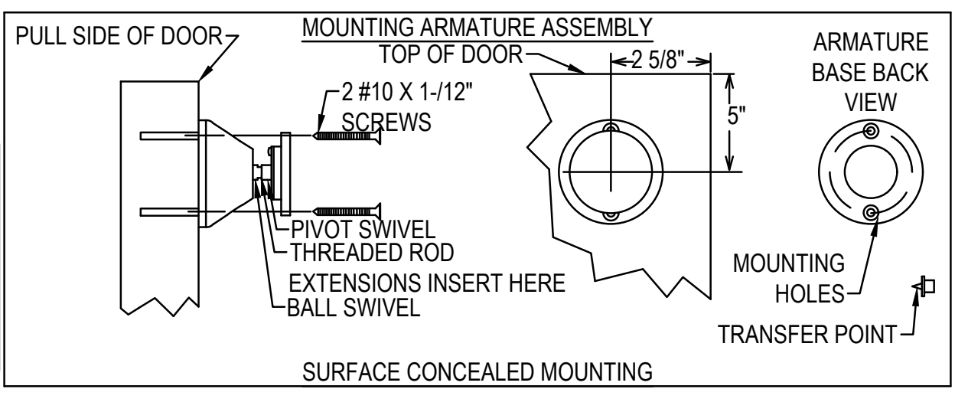


OPTIONAL MOUNTING ARMATURE ASSEMBLY



THRU-BOLT MOUNTING

MOUNTING ARMATURE ASSEMBLY

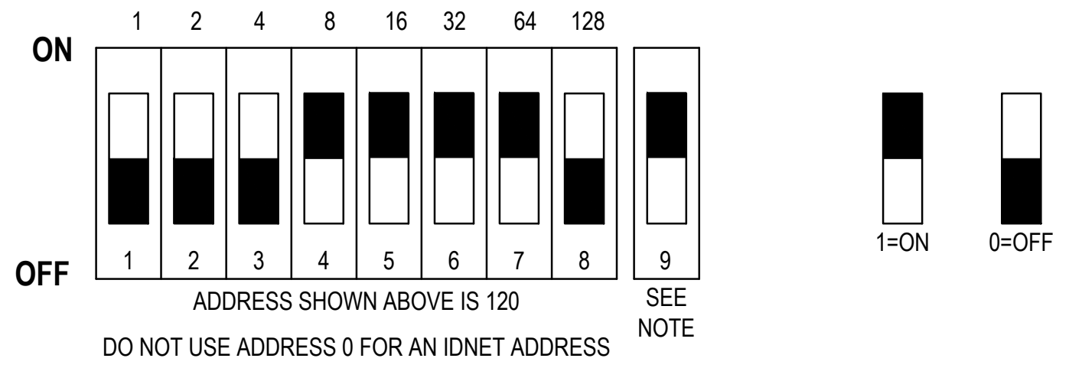


SURFACE CONCEALED MOUNTING

MOUNTING ARMATURE INSTRUCTIONS

1. WITH DOOR MAGNET SECURELY FASTENED, ALIGNED AND ENERGIZED, PROCEED WITH SWIVEL BASE ASSEMBLY.
2. ATTACH SWIVEL PORTION OF MAGNET, BEING CAREFUL TO CENTER CATCH PLATE OVER MAGNET.
3. WITH CATCH PLATE ASSEMBLY ATTACHED MAGNETICALLY TO DOOR MAGNET, PEEL ADHESIVE BACKING OFF MOUNTING TEMPLATE AND SLIDE OVER CATCH PLATE, MAKING SURE ADHESIVE SIDE FACES DOOR.
4. GENTLY CLOSE DOOR AND WITH ONE HAND ADJUST BASE OF CATCH PLATE TO LIE FLAT AGAINST DOOR.
5. WHILE KEEPING SLIGHT PRESSURE ON DOOR, SLIDE MOUNTING TEMPLATE OVER CATCH PLATE TO DOOR SURFACE AND APPLY PRESSURE TO TEMPLATE IN A FEW SPOTS.
6. OPENING DOOR WILL REVEAL MOUNTING TEMPLATE. APPLY FINAL PRESSURE TO INSURE TEMPLATE DOES NOT FALL OFF WHILE ASSEMBLY TAKES PLACE.
7. INSERT ALIGNMENT TEMPLATE INTO CENTER OF MOUNTING TEMPLATE. USE TAB TO ROTATE FOR FINE ADJUSTMENT. WHILE HOLDING ALIGNMENT TEMPLATE WITH ONE HAND, REMOVE ADHESIVE BACKING OF TAB, THEN PUSH FLAT AGAINST DOOR.
8. IF USING OPTIONAL DOOR BACK PLATE, CENTER PUNCH POINTS INDICATED ON ALIGNMENT TEMPLATE FOR EITHER HORIZONTAL OR VERTICAL MOUNTING. FOR BEST RESULTS DRILL 1/8" PILOT HOLE FIRST, THEN FOLLOW WITH 5/16" DIA. DRILL, DRILL STRAIGHT THROUGH DOOR.
9. IF MOUNTING CATCH PLATE ASSEMBLY DIRECTLY TO DOOR, DRILL 1/8" DIA PILOT HOLE APPROXIMATELY 1 TO 1 1/2" DEEP, BEING CAREFUL NOT TO GO THROUGH DOOR.
10. FOR EITHER STYLE OF MOUNTING (THRU DOOR/DIRECT) REMOVE ONLY ALIGNMENT TEMPLATE, THEN PLACE SWIVEL IN CENTER ALIGN HOLES, THEN INSERT SCREWS AND TIGHTEN ASSEMBLY FULLY. LASTLY, REMOVE MOUNTING TEMPLATE.

DIP SWITCH SETTINGS - INITIATING
SIMPLEX IDNet



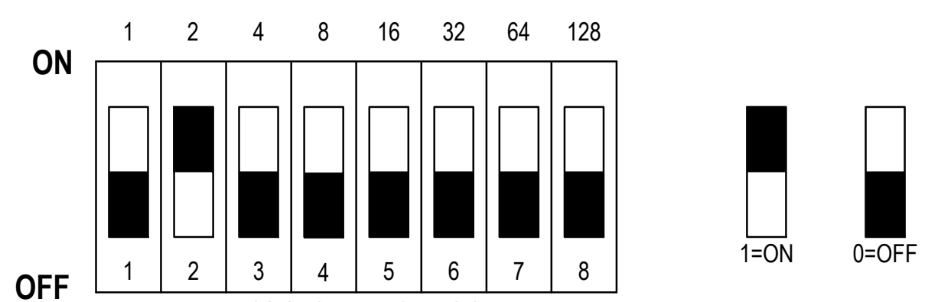
ADDRESS SHOWN ABOVE IS 120
SEE NOTE
DO NOT USE ADDRESS 0 FOR AN IDNET ADDRESS

DIP SWITCHES 5 THRU 8 / DIP SWITCHES 1 THRU 4

	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224	240
	1	17	33	49	65	81	97	113	129	145	161	177	193	209	225	241
	2	18	34	50	66	82	98	114	130	146	162	178	194	210	226	242
	3	19	35	51	67	83	99	115	131	147	163	179	195	211	227	243
	4	20	36	52	68	84	100	116	132	148	164	180	196	212	228	244
	5	21	37	53	69	85	101	117	133	149	165	181	197	213	229	245
	6	22	38	54	70	86	102	118	134	150	166	182	198	214	230	246
	7	23	39	55	71	87	103	119	135	151	167	183	199	215	231	247
	8	24	40	56	72	88	104	120	136	152	168	184	200	216	232	248
	9	25	41	57	73	89	105	121	137	153	169	185	201	217	233	249
	10	26	42	58	74	90	106	122	138	154	170	186	202	218	234	250
	11	27	43	59	75	91	107	123	139	155	171	187	203	219	235	251
	12	28	44	60	76	92	108	124	140	156	172	188	204	220	236	252
	13	29	45	61	77	93	109	125	141	157	173	189	205	221	237	253
	14	30	46	62	78	94	110	126	142	158	174	190	206	222	238	254
	15	31	47	63	79	95	111	127	143	159	175	191	207	223	239	255

NOTE:
THE 4098-9771, -9794, -9795, -9798 SOUNDER BASES HAVE A 9-POSITION DIP SWITCH. THE FIRST EIGHT DIP SWITCHES SET THE SOUNDER BASE ADDRESS. DIP SWITCH POSITION 9 IS SET TO OFF OR ON DEPENDING UPON THE SOUNDER BASE POWER SOURCE. WHEN THE SOUNDER BASE IS CONNECTED TO A 24 VDC POWER SOURCE, DIP SWITCH POSITION 9 IS SET TO “OFF” AND THE 24 VDC POWER IS SUPERVISED BY THE SOUNDER BASE. WHEN THE SOUNDER BASE IS POWERED BY THE PANEL’S NOTIFICATION APPLIANCE CIRCUIT (NAC), DIP SWITCH POSITION 9 IS SET TO “ON” AND THE POWER IS SUPERVISED BY THE NAC AND NOT THE SOUNDER BASE. THE 4098-9770 AND -9797 BASES HAVE THE SAME LAYOUT, BUT DOESN’T OFFER SOUNDER FUNCTIONALITY. THEY USE AN 8-WAY DIP SWITCH ONLY.

DIP SWITCH SETTINGS - NOTIFICATION
SIMPLEX TRUEALERT ES / IDNAC



ADDRESS SHOWN ABOVE IS 2
DO NOT USE ADDRESS 0 FOR A SLC ADDRESS

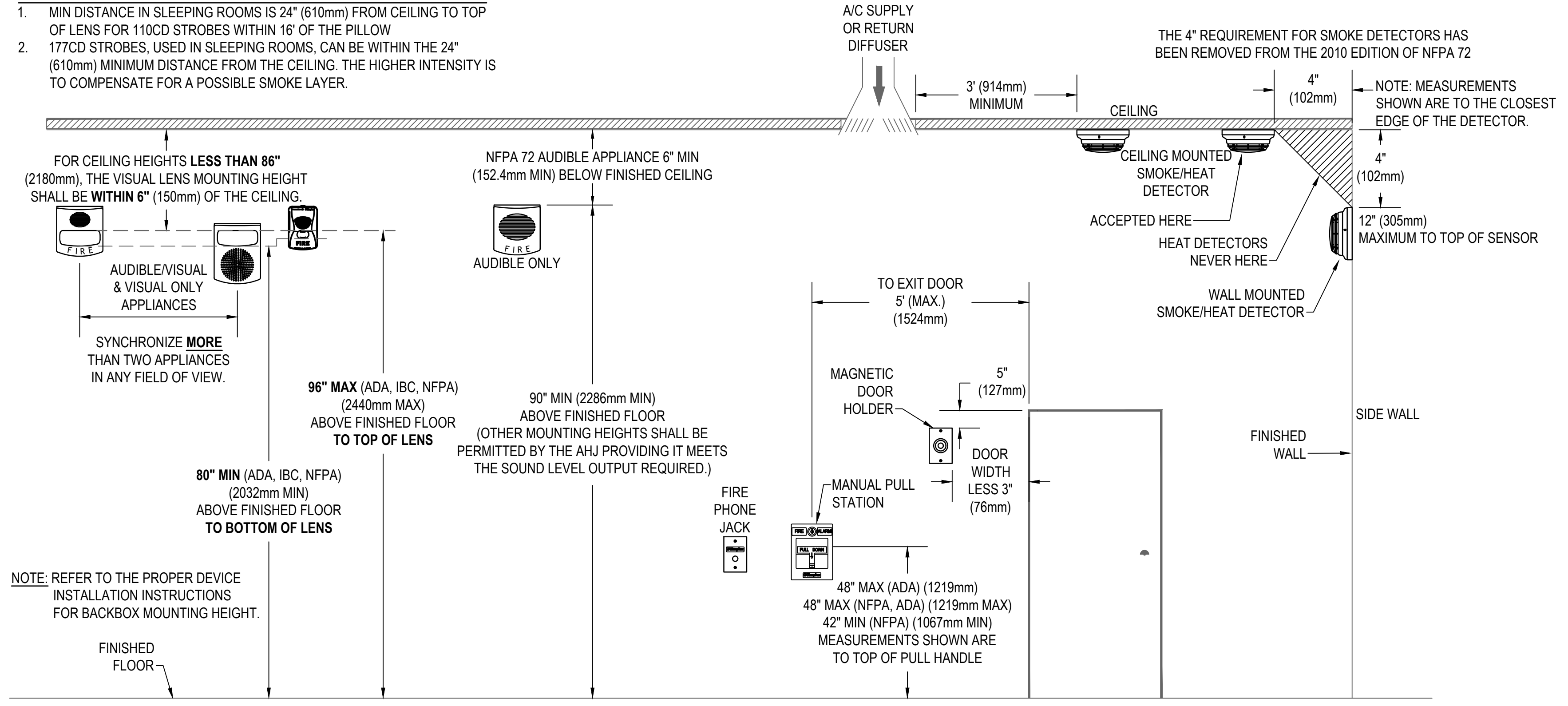
DIP SWITCHES 5 THRU 8 / DIP SWITCHES 1 THRU 4

	0	16	32	48	64	80	96	112
	1	17	33	49	65	81	97	113
	2	18	34	50	66	82	98	114
	3	19	35	51	67	83	99	115
	4	20	36	52	68	84	100	116
	5	21	37	53	69	85	101	117
	6	22	38	54	70	86	102	118
	7	23	39	55	71	87	103	119
	8	24	40	56	72	88	104	120
	9	25	41	57	73	89	105	121
	10	26	42	58	74	90	106	122
	11	27	43	59	75	91	107	123
	12	28	44	60	76	92	108	124
	13	29	45	61	77	93	109	125
	14	30	46	62	78	94	110	126
	15	31	47	63	79	95	111	127

DEVICE MOUNTING HEIGHT REFERENCE
PER NFPA 72

VISUAL APPLIANCE MOUNTING HEIGHT CONSIDERATIONS IN SLEEPING ROOMS

1. MIN DISTANCE IN SLEEPING ROOMS IS 24" (610mm) FROM CEILING TO TOP OF LENS FOR 110CD STROBES WITHIN 16' OF THE PILLOW
2. 177CD STROBES, USED IN SLEEPING ROOMS, CAN BE WITHIN THE 24" (610mm) MINIMUM DISTANCE FROM THE CEILING. THE HIGHER INTENSITY IS TO COMPENSATE FOR A POSSIBLE SMOKE LAYER.



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SEATTLE, WA 98108
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PHONE: 206-291-1400
FAX: 206-291-1500

DRAWINGS REVIEWED BY:
Chad McCammon, SET
NICET #090810
Fire Alarm Systems, Level IV
Chad McCammon

SUMMIT BUILDING (KESSLER CENTER NETWORK) PORTABLE ADDITION 2022

SUMMIT BUILDING
1501 39TH STREET
PUYALLUP, WA 98375

Revisions shown with symbol

ISSUE LOG:

MARK	DATE	CAD	CHK	DESCRIPTION
1	10/04/21	RSC	JDB	AHJ COMMENTS
2	06/23/22	ARH	EQB	PORTABLE ADDITION - 650243493

DRAWN BY:	R.SOLANO
CHECKED BY:	J.BRIOSO
ISSUE DATE:	8/26/20
JOB #:	458437058
PROJECT #:	4258:619083301

SYSTEM:
FIRE ALARM SYSTEM

SHEET:
WIRING TYPICALS

FA-701

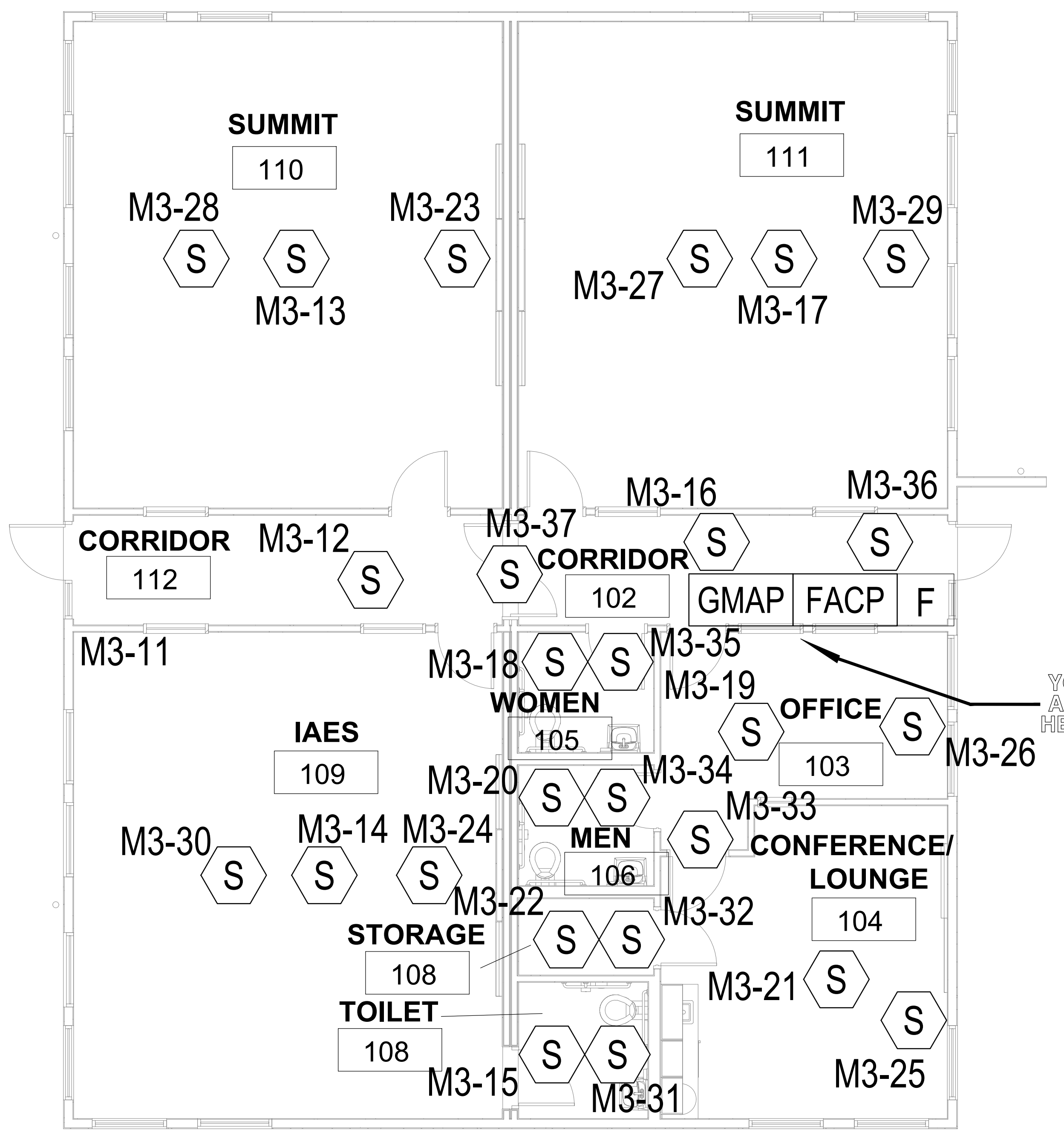
FILE PATH: C:\Users\jhalea\Johnson Controls\Project Electronics - 650243493_PSD Kessler Ctr Portables\Existing Dwgs\Fire Alarm System\FA-701.dwg
LAST SAVED BY: JHALEA
LAST PRINTED: 6/23/2022 12:23:39 PM
30" x 42" - Arch E1 Size

24.0

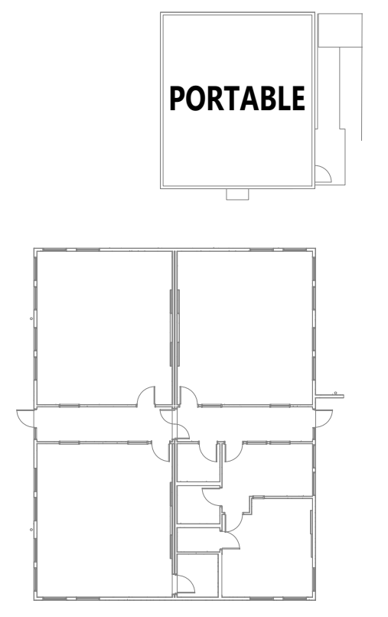
18.0

SUMMIT BUILDING

LEGEND	
PANELS & ANNUNCIATORS	
FACP	4007ES IDNAC FIRE ALARM CONTROL PANEL
GMAP	GRAPHIC MAP (MOUNT 60" TO CENTER AFF)
INITIATING DEVICES	
S	ADDRESSABLE PHOTOELECTRIC SMOKE SENSOR W/ STANDARD BASE
F	ADDRESSABLE SINGLE ACTION MANUAL PULL STATION

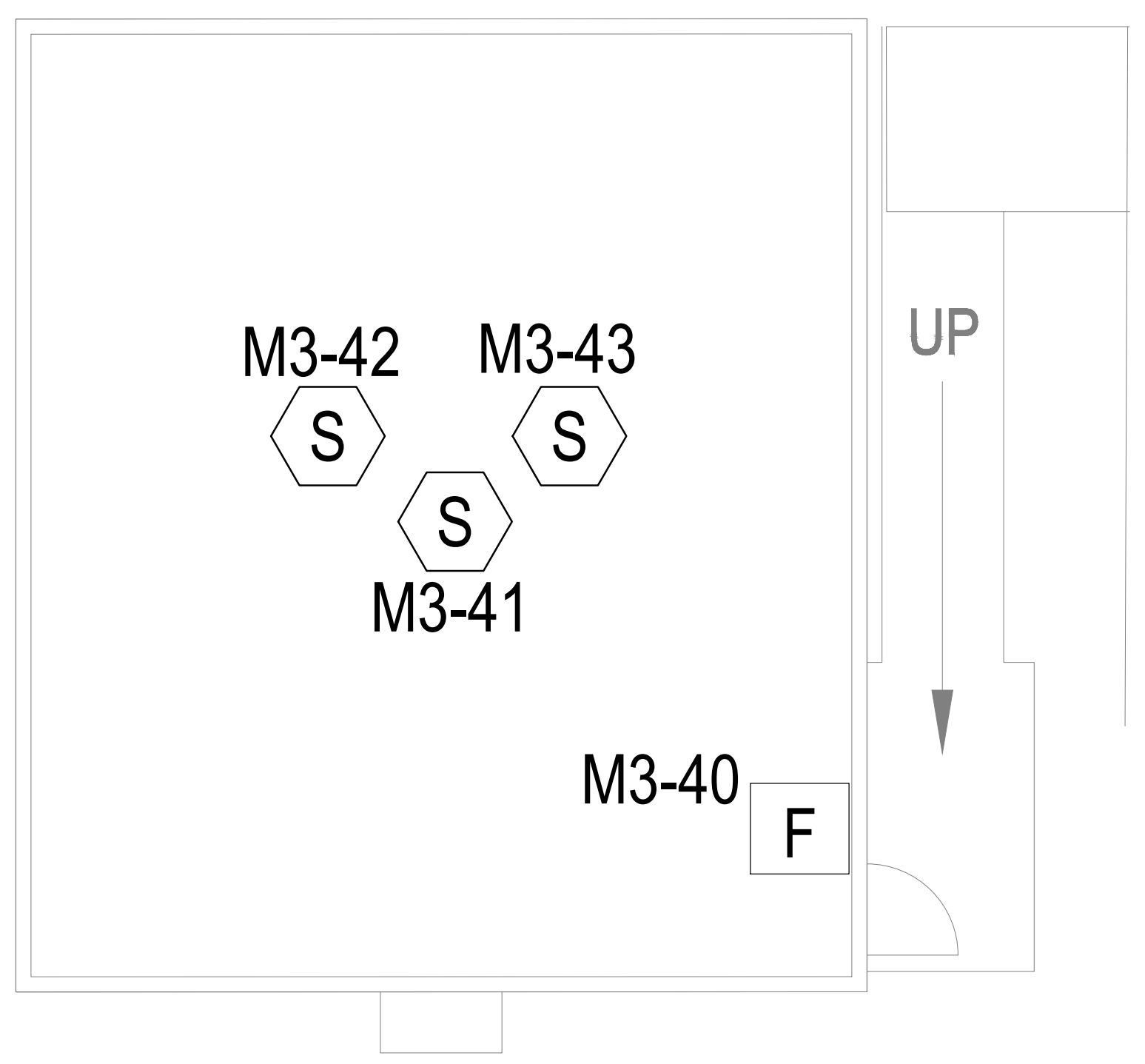


FIRST FLOOR PLAN



SUMMIT BUILDING

KEY PLAN



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DRAWINGS REVIEWED BY:

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Fire Alarm Systems, Level IV
Chad McCammon

SUMMIT BUILDING (KESSLER CENTER NETWORK) PORTABLE ADDITION 2022

SUMMIT BUILDING
1501 39TH STREET
PUYALLUP, WA 98375

ISSUE LOG:

Revisions shown with # symbol

MARK	DATE	CAD	CHK	DESCRIPTION
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DRAWN BY:	R.SOLANO
CHECKED BY:	J.BRIOSO
ISSUE DATE:	8/26/20
JOB #:	458437058
PROJECT #:	4258:619083301

SYSTEM:
FIRE ALARM SYSTEM

SHEET:
GRAPHIC MAP

FA-801

FILE PATH: C:\Users\jhalea\Johnson Controls\Project Electronics - 650243493_PSD Kessler Ctr Portables\Existing Dwgs\Fire Alarm System\FA-801.dwg

LAST SAVED BY: JHALEA

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30" x 42" - Arch E1 Size