

GENERAL NOTES

- 1. THESE DRAWINGS DEPICT GENERAL LOCATIONS OF LIFE SAFETY EQUIPMENT & FIELD DEVICES. EXACT ROUTING OF CONDUITS 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 SIMPLEXGRINNELL IN A TIMELY MANNER SO AS NOT TO IMPAIR THE CONSTRUCTION SCHEDULE.
3. 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 SIMPLEXGRINNELL NO LATER THAN 7 DAYS AFTER FINAL TEST.
7. THE CONTRACTOR WILL MAINTAIN ALL AREAS OF THE BUILDING IN A NEAT AND WORKMAN LIKE MANNER.
8. DO NOT APPLY POWER EXCEPT IN THE PRESENCE OF A FACTORY TRAINED SIMPLEXGRINNELL 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 NEC.
12. ALL WIRING SHALL BE INSTALLED ACCORDING TO NFPA 70 (NEC).
13. FIRE ALARM CIRCUITS SHALL BE IDENTIFIED IN ACCORDANCE WITH APPROPRIATE SECTION OF NEC 760. MARK ALL FIRE ALARM WIRES IN ACCORDANCE WITH NEC 760 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 WITH NFPA 70 ARTICLES 760, 770, 725 AND 800 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 40 PERCENT MAXIMUM CONDUIT FILL RATIO AS PER NEC REQUIREMENTS.
23. EXISTING CONDUITS MAY BE USED BY THE INSTALLATION CONTRACTOR AS DEEMED NECESSARY, HOWEVER, ANY EXISTING CONDUIT WILL BE USED ONLY IF CONDUITS MEET CURRENT STANDARDS AND CODES. SIMPLEXGRINNELL MAKES NO STATEMENTS WRITTEN OR VERBAL AS TO THE CONDITION OF EXISTING CONDUITS.

SYSTEM DESCRIPTION / SCOPE OF WORK

OCCUPANCY TYPE: E EDUCATIONAL GROUP
SPRINKLER PROTECTION: BUILDING IS FULLY SPRINKLED
PROVIDE AND INSTALL A NEW AUTOMATIC AND MANUAL FIRE ALARM SYSTEM AS SHOWN ON DRAWINGS.
ALL WIRING TO BE CLASS B. WIRING IS STYLE Y FOR NOTIFICATION APPLIANCE CIRCUITS, STYLE B FOR INITIATING DEVICE CIRCUITS, AND STYLE 4 FOR 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 UL/UP OR ULUS UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY THE OWNER.

FIRE ALARM APPLICABLE CODES & STANDARDS

- FIRE PREVENTION CODE (NFPA 1), 2006 EDITION
NATIONAL ELECTRIC CODE (NFPA 70), 2011 EDITION
ELEVATOR CODE ASME A.17.1, 2013

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

SYMBOL KEY

Table with 4 columns: SYMBOL, DESCRIPTION, MODEL#, COMMONLY USED BACKBOX, REFER TO DATA SHEET FOR OTHER OPTIONS. Contains symbols for NAC, FAA, T4, smoke sensors, and manual pull stations.

WIRE SCHEDULE

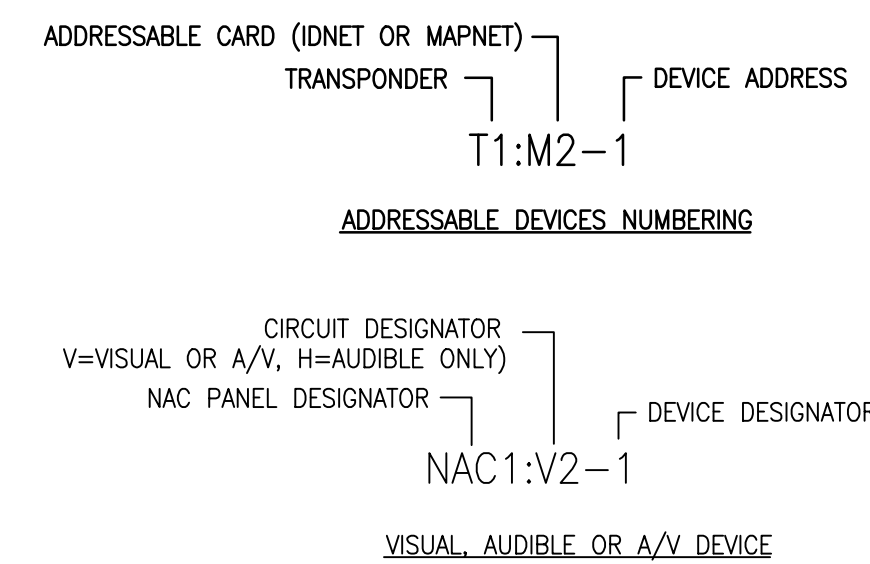
Table with 4 columns: CIRCUIT DESCRIPTION, RISER RATED: FPLR, SINGLE CONDUCTOR(THHN,TFN), PLENUM RATED: FPLP. Includes fire alarm wire list with conductor sizes, areas, and conduit specifications.

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. REFERENCE https://www.anixter.com/customer/tycofs FOR SG ANIXTER CABLE DATA

ABBREVIATIONS LEGEND

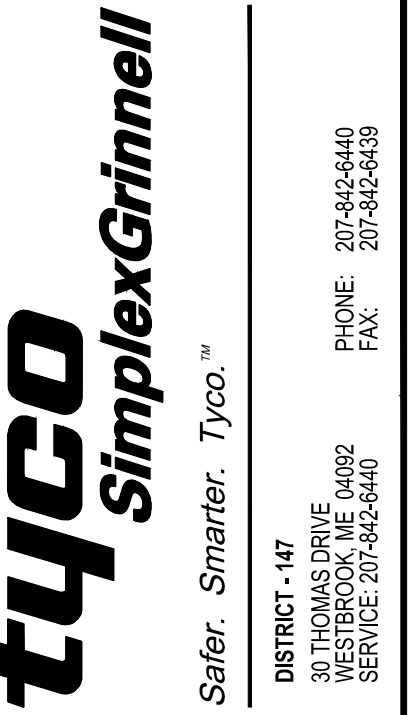
- AC = ABOVE CEILING
C = CEILING MOUNTED
E = EXISTING TO REMAIN
RC = EXISTING TO REMOVE AND COVER
RD = EXISTING DEVICE TO BE RELOCATED
RL = RELOCATED DEVICE
RR = REMOVE EXISTING AND REPLACE W/NEW
WP = WEATHERPROOF
XP = EXPLOSION PROOF
H = HIGH HUMIDITY
AFF = ABOVE FINISHED FLOOR
AHJ = AUTHORITY HAVING JURISDICTION
ALM = ALARM
ANN = ANNUNCIATOR
BMS = BUILDING MANAGEMENT SYSTEM
CBC = CALIFORNIA BUILDING CODE
CD = (eg. 15CD) CANDELA
CSFM = CALIFORNIA STATE FIRE MARSHAL
DET = DETECTOR
DGP = DATA GATHERING PANEL
EOL = END OF LINE
EPO = EMERGENCY POWER OFF
FACP = FIRE ALARM CONTROL PANEL
FATC = FIRE ALARM TERMINAL CABINET
FBO = FURNISHED BY OTHERS
FCC = FIRE COMMAND CENTER
FAA = FIRE ALARM ANNUNCIATOR
FTR = FIRE ALARM TRANSPONDER
FSD = FIRE SMOKE DAMPER
HT = HEIGHT
HVAC = HEATING, VENTILATION, & AIR CONDITIONING
IMS = INFORMATION MANAGEMENT SYSTEM
MAX = MAXIMUM
MIN = MINIMUM
N/A = NOT APPLICABLE
NAC = NOTIFICATION APPLIANCE CIRCUIT EXTENDER
NDU = NETWORK DISPLAY UNIT
NEC = NATIONAL ELECTRICAL CODE
NFPA = NATIONAL FIRE PROTECTION ASSOCIATION
NIC = NOT IN CONTRACT
NPU = NETWORK PROCESSING UNIT
NTS = NOT TO SCALE
PAP = PRE-ACTION PANEL
SCC = STATUS COMMAND CENTER
SLC = SIGNALING LINE CIRCUIT
SMK = SMOKE
SUPV = SUPERVISORY
TAC = TRUEALERT ADDRESSABLE CONTROLLER
TRBL = TROUBLE
TS = TAMPER SWITCH
TYP = TYPICAL
UON = UNLESS OTHERWISE NOTED
VCC = VOICE COMMAND CENTER
VT = VALVE TAMPER
WF = WATER FLOW
W = (eg. 1/2W) WATT
W/ = WITH
W/O = WITH OUT

DEVICE ADDRESSING LEGEND



SEQUENCE OF OPERATION

Large table for Sequence of Operation with columns for SYSTEM INPUTS, CONTROL UNIT ANNUNCIATION, NOTIFICATION, and FIRE SAFETY CONTROL. Includes a grid for system events and remarks.



BAXTER ACADEMY INTERIOR FIT-UP
COMMUNITY COUNSELING
185 LANCASTER ST.
PORTLAND, MAINE 04101-2400

Table with 6 columns: ISSUE LOG: WORK, DATE, CD, CHK, DESCRIPTION. Contains project tracking information.

DRAWN BY: STEPHEN HERMES
CHECKED BY: ALAN O'NEIL
ISSUE DATE: 5/26/17
PROJECT #: 147-999894901
SIMPLEXGRINNELL © 2017

SYSTEM: FIRE ALARM SYSTEM
SHEET: GENERAL INFORMATION

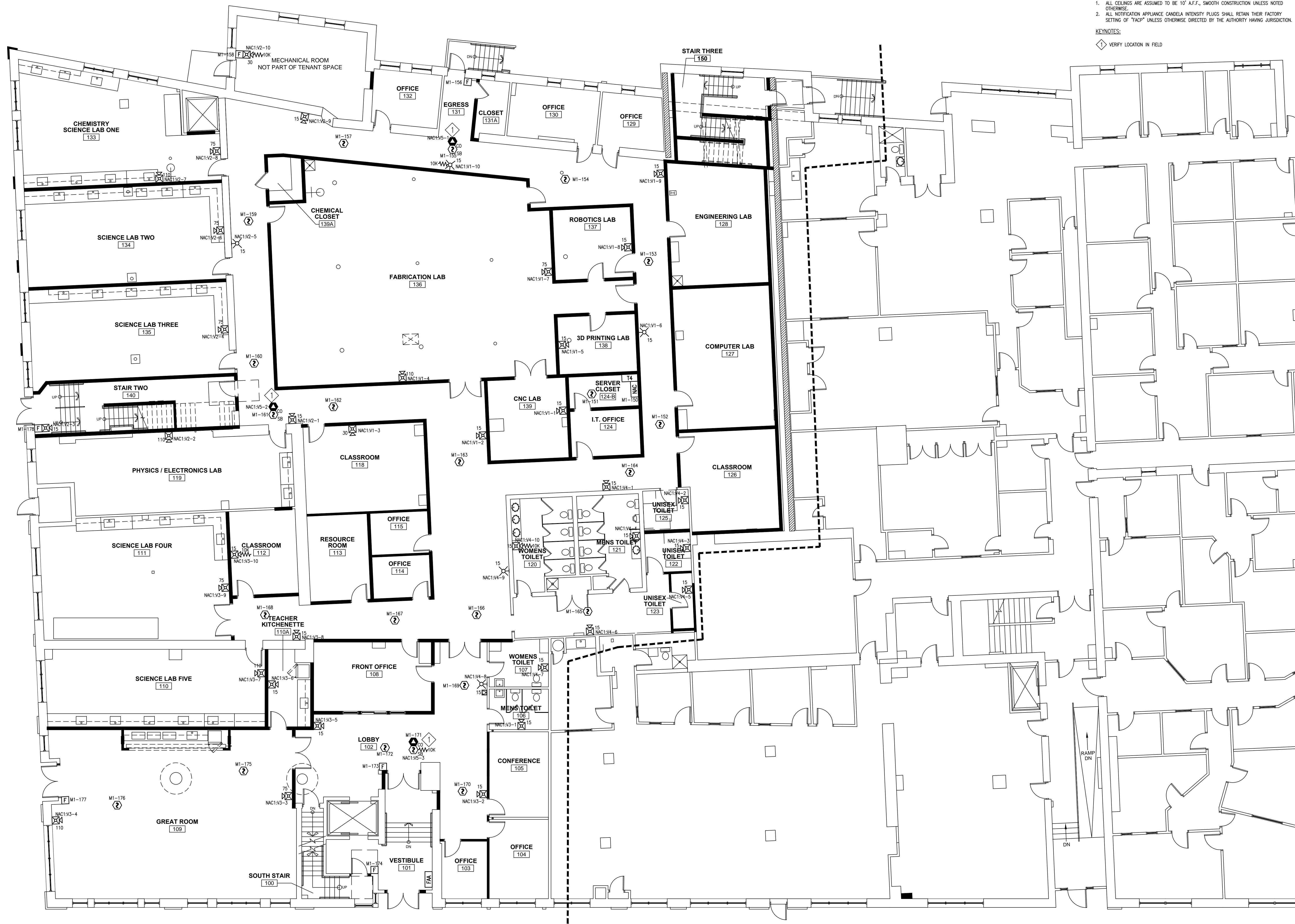
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LAST PRINTED: 5/30/2017 10:43:36 AM

24" x 36" - Arch D Size



GENERAL NOTES:
 1. ALL CEILING ARE ASSUMED TO BE 10' A.F.F., SMOOTH CONSTRUCTION UNLESS NOTED OTHERWISE.
 2. ALL NOTIFICATION APPLIANCE CANDELA INTENSITY PLUGS SHALL RETAIN THEIR FACTORY SETTING OF "FACP" UNLESS OTHERWISE DIRECTED BY THE AUTHORITY HAVING JURISDICTION.

KEYNOTES:
 ◆ VERIFY LOCATION IN FIELD

tyco
 SimplexGrinnell
 Safer. Smarter. Tyco.[®]
 DISTRICT - 147
 WESTBROOK, ME 04092
 SERVICE: 207-842-8440
 PHONE: 207-842-8440
 FAX: 207-842-8439

BAXTER ACADEMY INTERIOR FIT-UP

COMMUNITY COUNSELING
 185 LANCASTER ST.
 PORTLAND, MAINE 04101-2400

ISSUE NO.	DATE	CHK	DESCRIPTION

DRAWN BY: STEPHEN HERMES
 CHECKED BY: ALAN O'NEIL
 ISSUE DATE: 5/26/17
 JOB #: 147-999894901
 PROJECT #: SIMPLEXGRINNELL © 2017
 SYSTEM: FIRE ALARM SYSTEM

SHEET:
 FIRST FLOOR
 DEVICE PLACEMENT PLAN

FA-101

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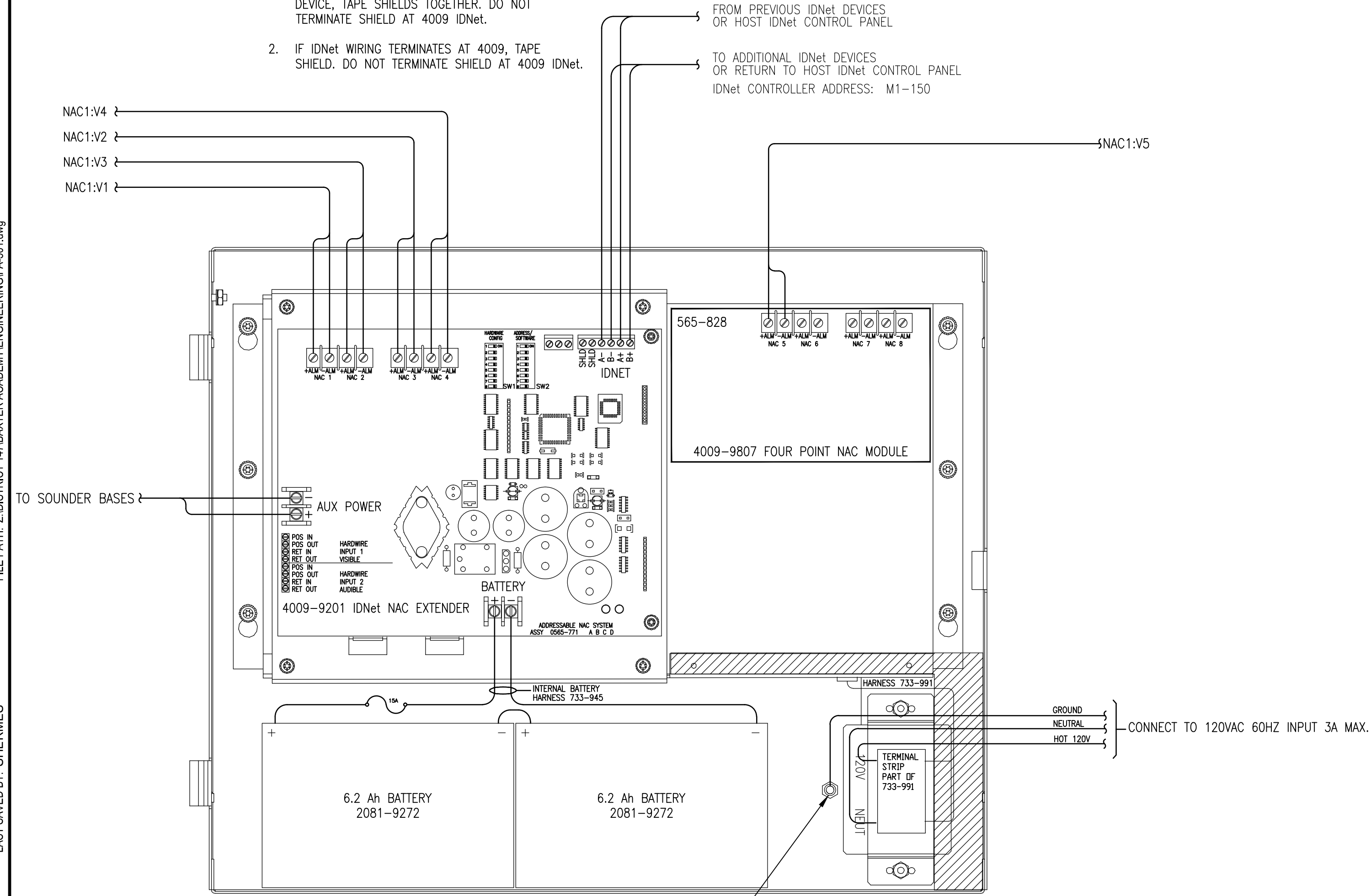
24 x 36" Arch D Size

IF OPTIONAL SHIELDS ARE USED FOR IDNet WIRING. FOLLOW THESE PRECAUTIONS.

1. IF IDNet WIRING CONTINUES ON TO ANOTHER DEVICE, TAPE SHIELDS TOGETHER. DO NOT TERMINATE SHIELD AT 4009 IDNet.
2. IF IDNet WIRING TERMINATES AT 4009, TAPE SHIELD. DO NOT TERMINATE SHIELD AT 4009 IDNet.

FROM PREVIOUS IDNet DEVICES OR HOST IDNet CONTROL PANEL

TO ADDITIONAL IDNet DEVICES OR RETURN TO HOST IDNet CONTROL PANEL
IDNet CONTROLLER ADDRESS: M1-150



CONNECT A 12 AWG COPPER GROUND WIRE FROM SAFETY GROUND IN THE ELECTRICAL DISTRIBUTION PANEL TO THE 4009 SAFETY GROUND STUD.

FIRST FLOOR

SCALE: NTS

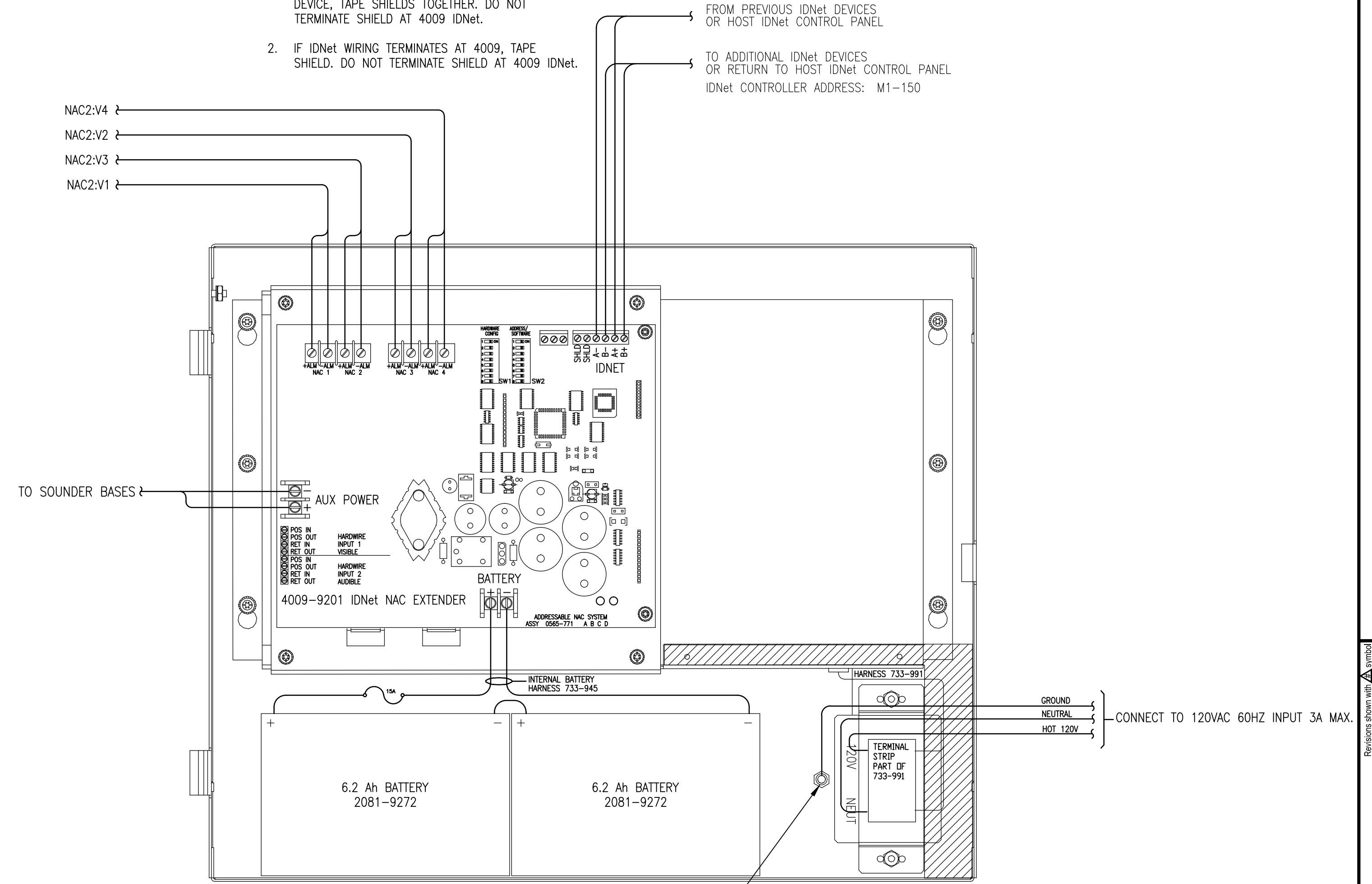
NAC1:V5

IF OPTIONAL SHIELDS ARE USED FOR IDNet WIRING. FOLLOW THESE PRECAUTIONS.

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2. IF IDNet WIRING TERMINATES AT 4009, TAPE SHIELD. DO NOT TERMINATE SHIELD AT 4009 IDNet.

FROM PREVIOUS IDNet DEVICES OR HOST IDNet CONTROL PANEL

TO ADDITIONAL IDNet DEVICES OR RETURN TO HOST IDNet CONTROL PANEL
IDNet CONTROLLER ADDRESS: M1-150



CONNECT A 12 AWG COPPER GROUND WIRE FROM SAFETY GROUND IN THE ELECTRICAL DISTRIBUTION PANEL TO THE 4009 SAFETY GROUND STUD.

SECOND FLOOR

SCALE: NTS

BAXTER ACADEMY INTERIOR FIT-UP

COMMUNITY COUNSELING
185 LANCASTER ST.
PORTLAND, MAINE 04101-2400

ISSUE NO.	DATE	CHK	DESCRIPTION

DRAWN BY:	STEPHEN HERMES
CHECKED BY:	ALAN O'NEIL
ISSUE DATE:	5/26/17
JOB #:	
PROJECT #:	147-999894901
SYSTEM:	SIMPLEXGRINNELL © 2017

FIRE ALARM SYSTEM

SHEET:
NAC
PANEL DETAIL

FA-501

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WESTERBROOK, ME 04092
SERVICE: 207-842-6440
PHONE: 207-842-6440
FAX: 207-842-6439

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Module	Qty	Description	Standby Current	Total Standby	Alarm Current	Total Alarm
BAXTER ACADEMY INTERIOR FIT-UP 4009 NAC						
Panel Equipment						
4009-9201	1	4009 IDNET NAC EXTENDER, 120 VAC	0.0850	0.0850	0.1850	0.1850
4009-9807	1	NAC CARD, 4PT, IDNET	0.0400	0.0400	0.0400	0.0400
Panel Totals			0.1250	0.1250	0.2250	0.2250
Miscellaneous Peripheral Devices That Require (Additional) System Power						
4905-9835	1	TEMPORAL CODE 4 MODULE	0.0002	0.0002	0.0150	0.0150
Notification Appliances						
4098-9771	3	TRUEALARM SOUNDER BASE W/ CD MODULE	0.0000	0.0000	0.0170	0.0510
4906-9101	5	V/O MC NON-ADDRESS, RED, WALL	15	0.0000	0.0000	0.0600
4906-9127	5	A/V MC NON-ADDRESS, RED, WALL	110	0.0000	0.0000	0.2850
4906-9127	22	A/V MC NON-ADDRESS, RED, WALL	15	0.0000	0.0000	0.0750
4906-9127	2	A/V MC NON-ADDRESS, RED, WALL	30	0.0000	0.0000	0.1160
4906-9127	6	A/V MC NON-ADDRESS, RED, WALL	75	0.0000	0.0000	0.2210
Peripheral Totals			0.0002	0.0002	0.2210	1.3260
Added Current for EPS Conversion of 24 to 29 Volt IDNet Devices			0.0000	0.0000	0.0000	0.0000
RUI Totals			0	0.0000	0.0000	0.0000
Address Totals			0	0.0000	0.0000	0.0000
System Totals*			0.1252	0.1252	0.2250	5.2240

Module	Qty	Description	Standby Current	Total Standby	Alarm Current	Total Alarm
BAXTER ACADEMY INTERIOR FIT-UP 4009 NAC						
Panel Equipment						
4009-9201	1	4009 IDNET NAC EXTENDER, 120 VAC	0.0850	0.0850	0.1850	0.1850
Panel Totals			0.0850	0.0850	0.1850	0.1850
Miscellaneous Peripheral Devices That Require (Additional) System Power						
4905-9835	1	TEMPORAL CODE 4 MODULE	0.0002	0.0002	0.0150	0.0150
Notification Appliances						
4098-9771	3	TRUEALARM SOUNDER BASE W/ CD MODULE	0.0000	0.0000	0.0170	0.0510
4906-9101	4	V/O MC NON-ADDRESS, RED, WALL	15	0.0000	0.0000	0.0600
4906-9127	1	A/V MC NON-ADDRESS, RED, WALL	110	0.0000	0.0000	0.2850
4906-9127	7	A/V MC NON-ADDRESS, RED, WALL	15	0.0000	0.0000	0.0750
4906-9127	16	A/V MC NON-ADDRESS, RED, WALL	30	0.0000	0.0000	0.1160
Peripheral Totals			0.0002	0.0002	0.2210	1.3260
Added Current for EPS Conversion of 24 to 29 Volt IDNet Devices			0.0000	0.0000	0.0000	0.0000
RUI Totals			0	0.0000	0.0000	0.0000
Address Totals			0	0.0000	0.0000	0.0000
System Totals*			0.0852	0.0852	0.2250	3.1570

Battery Set #1 (Cabinet/Charger #1)	Standby Current	Standby Total	Alarm Current	Alarm Total
Select ALL Power Supplies on this battery set:				
4009		0.1252		5.2240
Sub Total		0.1252		5.2240
Total		0.1252		5.2240
Standby Time = 24 Hrs x 0.1252 = 3.0043 Standby Ah				
Alarm Time = 5 Min 0.08333 x 5.224 = 0.4353 Alarm Ah				
Additional Spare Battery Capacity = 0%				
Battery Discharge Factor = 20%				
Minimum Battery Required 2081-9272 6.2AH (2x)				
Battery Supplied 2081-9272 6.2AH (2x)				
4.1276				

Battery Set #1 (Cabinet/Charger #1)	Standby Current	Standby Total	Alarm Current	Alarm Total
Select ALL Power Supplies on this battery set:				
4009		0.0852		3.1570
Sub Total		0.0852		3.1570
Total		0.0852		3.1570
Standby Time = 24 Hrs x 0.0852 = 2.0443 Standby Ah				
Alarm Time = 5 Min 0.08333 x 3.157 = 0.2631 Alarm Ah				
Additional Spare Battery Capacity = 0%				
Battery Discharge Factor = 20%				
Minimum Battery Required 2081-9272 6.2AH (2x)				
Battery Supplied 2081-9272 6.2AH (2x)				
2.7889				

Plan Circuit	Description	Load	% Drop
NAC1V1	FIRST FLOOR STROBE	SG1 1.117A	6.19%
NAC1V2	FIRST FLOOR STROBE	SG2 1.134A	8.75%
NAC1V3	FIRST FLOOR STROBE	SG3 1.462A	9.28%
NAC1V4	FIRST FLOOR STROBE	SG4 0.720A	2.86%
NAC1V5	SOUNDER BASES	SG5 0.051A	0.25%
NAC1V6	SPARE	SG6 0.000A	0.00%
NAC1V7	SPARE	SG7 0.000A	0.00%
NAC1V8	SPARE	SG8 0.000A	0.00%
Total		4.984A	

Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device
NAC1V5-1	4098-9771	80	0.017	0.025	19.47	19.47
NAC1V5-2	4098-9771	70	0.017	0.040	19.46	19.46
NAC1V5-3	4098-9771	80	0.017	0.048	19.45	19.45
Totals:		230	FL 0.051A			

POINTS SHOWN IN ITALIC TEXT REFER TO EXISTING DEVICES.

Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device
NAC1V1-1	4906-9127	15cd	11	0.075	0.075	19.42
NAC1V1-2	4906-9127	15cd	30	0.075	0.267	19.23
NAC1V1-3	4906-9127	30cd	38	0.116	0.493	19.01
NAC1V1-4	4906-9127	110cd	28	0.285	0.839	18.86
NAC1V1-5	4906-9127	15cd	47	0.075	0.863	18.70
NAC1V1-6	4906-9101	15cd	28	0.060	0.887	18.61
NAC1V1-7	4906-9127	75cd	38	0.221	0.988	18.51
NAC1V1-8	4906-9127	15cd	30	0.075	1.026	18.47
NAC1V1-9	4906-9127	15cd	30	0.075	1.051	18.45
NAC1V1-10	4906-9101	15cd	52	0.060	1.070	18.43
Totals:		332	FL 1.117A			

FIRST FLOOR

SCALE: NTS

Circuit	Description	Load	% Drop
NAC2V1	SECOND FLOOR STROBE	SG1 1.150A	5.95%
NAC2V2	SECOND FLOOR STROBE	SG2 0.831A	3.26%
NAC2V3	SECOND FLOOR STROBE	SG3 0.925A	4.80%
NAC2V4	SOUNDER BASES	SG4 0.051A	0.18%
Total		2.957A	

POINTS SHOWN IN ITALIC TEXT REFER TO EXISTING DEVICES.

Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device
NAC2V1-1	4906-9127	30cd	11	0.116	0.078	19.42
NAC2V1-2	4906-9127	15cd	25	0.075	0.236	19.26
NAC2V1-3	4906-9127	30cd	36	0.116	0.448	19.05
NAC2V1-4	4906-9127	30cd	26	0.116	0.583	18.92
NAC2V1-5	4906-9127	15cd	16	0.075	0.654	18.85
NAC2V1-6	4906-9101	15cd	47	0.060	0.843	18.66
NAC2V1-7	4906-9127	15cd	39	0.075	0.984	18.52
NAC2V1-8	4906-9127	30cd	26	0.116	1.067	18.43
NAC2V1-9	4906-9127	110cd	25	0.285	1.129	18.37
NAC2V1-10	4906-9127	30cd	46	0.116	1.161	18.34
Totals:		297	FL 1.150A			

SECOND FLOOR

SCALE: NTS

Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device
NAC2V2-1	4906-9127	30cd	11	0.116	0.056	19.44
NAC2V2-2	4906-9127	30cd	25	0.116	0.166	19.33
NAC2V2-3	4906-9101	15cd	23	0.060	0.250	19.25
NAC2V2-4	4906-9127	30cd	31	0.116	0.353	19.15
NAC2V2-5	4906-9127	15cd	52	0.075	0.488	19.01
NAC2V2-6	4906-9127	30cd	39	0.116	0.571	18.93
NAC2V2-7	4906-9127	30cd	23	0.116	0.604	18.90
NAC2V2-8	4906-9127	30cd	45	0.116	0.636	18.86
Totals:		249	FL 0.831A			

Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device
NAC2V3-1	4906-9101	15cd	11	0.060	0.092	19.44
NAC2V3-2	4906-9127	30cd	40	0.116	0.275	19.23
NAC2V3-3	4906-9127	30cd	38	0.116	0.450	19.05
NAC2V3-4	4906-9127	30cd	39	0.116	0.601	18.90
NAC2V3-5	4906-9127	15cd	26	0.075	0.684	18.82
NAC2V3-6	4906-9127	15cd	11	0.075	0.744	18.79
NAC2V3-7	4906-9101	15cd	22	0.060	0.763	18.74
NAC2V3-8	4906-9127	30cd	61	0.116	0.878	18.62
NAC2V3-9	4906-9127	15cd	27	0.075	0.910	18.59
NAC2V3-10	4906-9127	30cd	38	0.116	0.937	18.56
Totals:		313	FL 0.925A			

Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device
NAC2V4-1	4098-9771	80	0.017	0.019	19.48	19.48
NAC2V4-2	4098-9771	40	0.017	0.027	19.47	19.47
NAC2V4-3	4098-9771	70	0.017	0.034	19.47	19.47
Totals:		170	FL 0.091A			

Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device
NAC1V2-1	4906-9127	15cd	11	0.075	0.110	19.39
NAC1V2-2	4906-9127	110cd	35	0.285	0.445	19.05
NAC1V2-3	4906-9127	15cd	35	0.075	0.719	18.78
NAC1V2-4	4906-9127	75cd	65	0.221	1.198	18.30
NAC1V2-5	4906-9101	15cd	27	0.060	1.360	18.14
NAC1V2-6	4906-9127	75cd	14	0.221	1.439	18.06
NAC1V2-7	4906-9127	110cd	31	0.285	1.571	17.93
NAC1V2-8	4906-9127	75cd	28	0.221	1.642	17.86
NAC1V2-9	4906-9127	15cd	34	0.075	1.682	17.82
NAC1V2-10	4906-9127	30cd	33	0.116	1.706	17.79
Totals:		313	FL 1.634A			

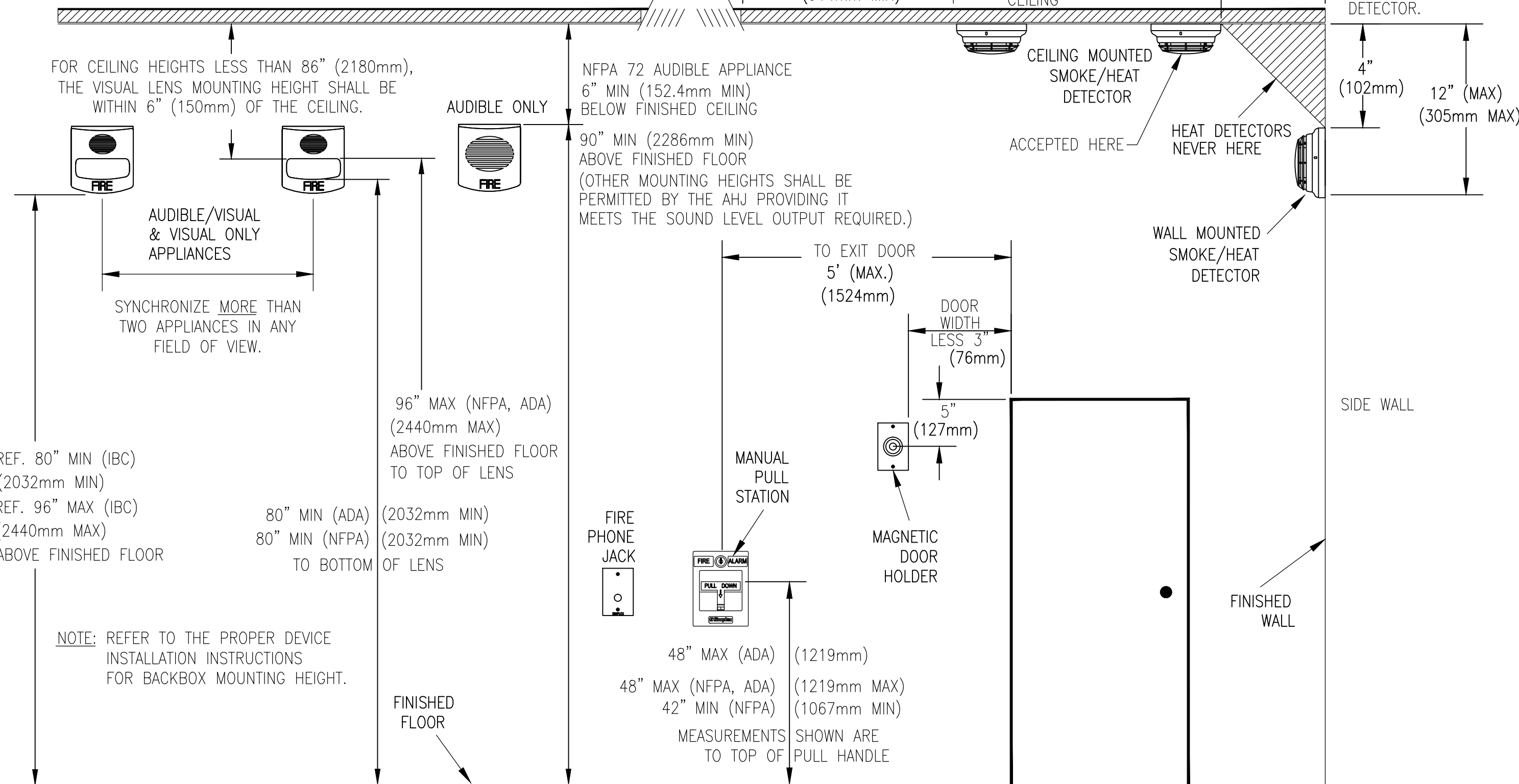
Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device
NAC1V3-1	4906-9127	15cd	10	0.075	0.090	19.41
NAC1V3-2	4906-9127	15cd	29	0.075	0.337	19.16
NAC1V3-3	4906-9127	75cd	48	0.221	0.723	18.78
NAC1V3-4	4906-9127	110cd	61	0.285	1.133	18.37
NAC1V3-5	4906-9127	15cd	78	0.075	1.518	17.98
NAC1V3-6	4906-9127	15cd	27	0.075	1.639	17.86
NAC1V3-7	4906-9127	110cd	13	0.285	1.692	17.81
NAC1V3-8	4906-9127	15cd	22	0.075	1.742	17.76
NAC1V3-9	4906-9127	75cd	33	0.221	1.802	17.70
NAC1V3-10	4906-9127	15cd	17	0.075	1.810	17.69
Totals:		338	FL 1.462A			

Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device
NAC1V4-1	4906-9127	15cd	27	0.075	0.349	19.45
NAC1V4-2	4906-9127	15cd	27	0.075	0.156	19.34
NAC1V4-3	4906-9127	15cd	20	0.075	0.226	19.27
NAC1V4-4	4906-9127	15cd	22	0.075	0.292	19.21
NAC1V4-5	4906-9127	15cd	30	0.075	0.370	19.13
NAC1V4-6	4906-9127	15cd	38	0.075	0.450	19.05
NAC1V4-7	4906-9127	15cd	24	0.075	0.490	19.01
NAC1V4-8	4906-9101	15cd	25	0.060	0.520	18.9

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.



PRODUCT INFORMATION

FEATURES:

- UL LISTED, FM APPROVED
TRUEALARM ANALOG SENSING PROVIDES DIGITAL TRANSMISSION OF ANALOG SENSOR VALUES VIA MAPNET/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

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
IONIZATION SENSOR AIR VELOCITY RANGE: 0-300 FT/MIN

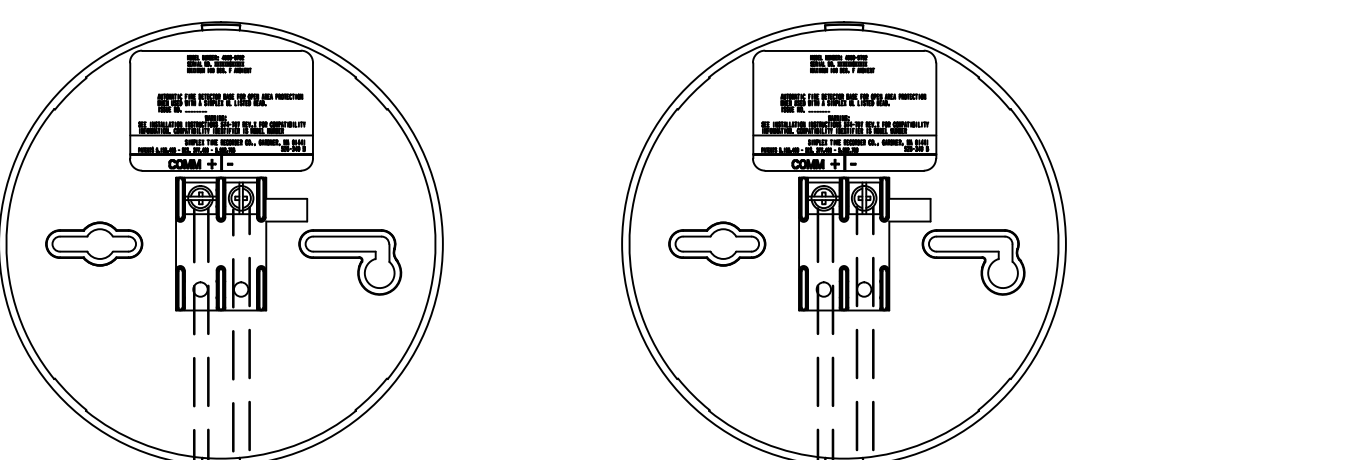
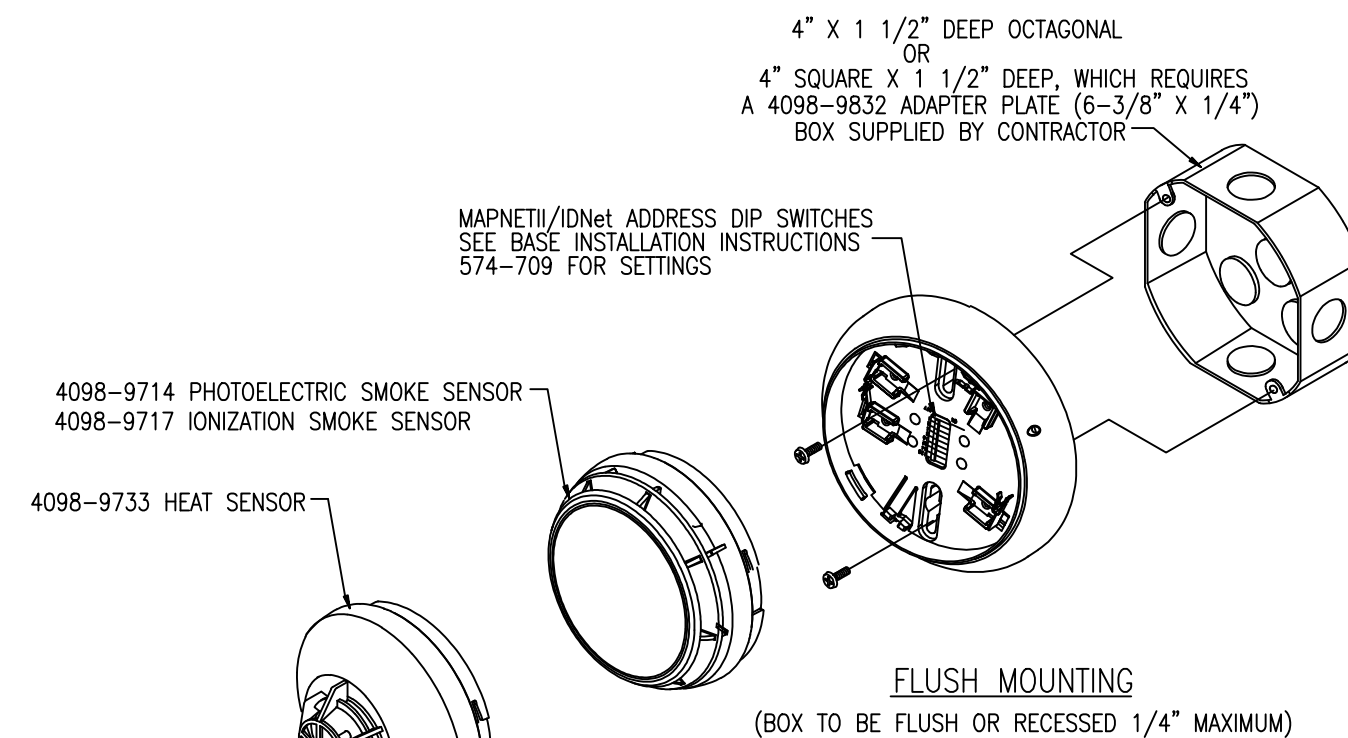
DESCRIPTION:

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

WIRING:

- 1. ALL WIRING TO COMPLY WITH LOCAL CODE.
2. CONDUCTORS MUST TEST FREE OF ALL GROUNDS.
3. MAINTAIN CORRECT POLARITY.
4. MAPNET/IDNET SLC WIRING TO BE #18 AWG TWISTED SHIELDED PAIR

4098-9792 STANDARD SENSOR BASE



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 ANALOG PHOTOELECTRIC, PHOTO/HEAT, HEAT, OR IONIZATION SENSOR.

SPECIFICATIONS:

- UL LISTED TEMPERATURE RANGE: 32°F TO 100°F (0°C TO 38°C)
OPERATING TEMPERATURE RANGE: 4098-9714 = 15°F TO 122°F (-9°C TO 50°C)
4098-9733 = 32°F TO 122°F (0°C TO 50°C)
HUMIDITY RANGE: 10% TO 95% RH

Table with 2 columns: CO SENSOR SPECIFICATIONS and 2 rows of PPM concentration and alarm window data.

Table with 2 columns: SOUNDER OPERATING SPECIFICATIONS and 2 rows of SOUNDER VOLTAGE and SOUNDER OUTPUT data.

DESCRIPTION:

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

4603-9101 REMOTE ANNUNCIATOR

PRODUCT INFORMATION

FEATURES:

- UL LISTED
FM APPROVED
FLUSH MOUNT ON STANDARD ELECTRICAL BOXES

SPECIFICATIONS:

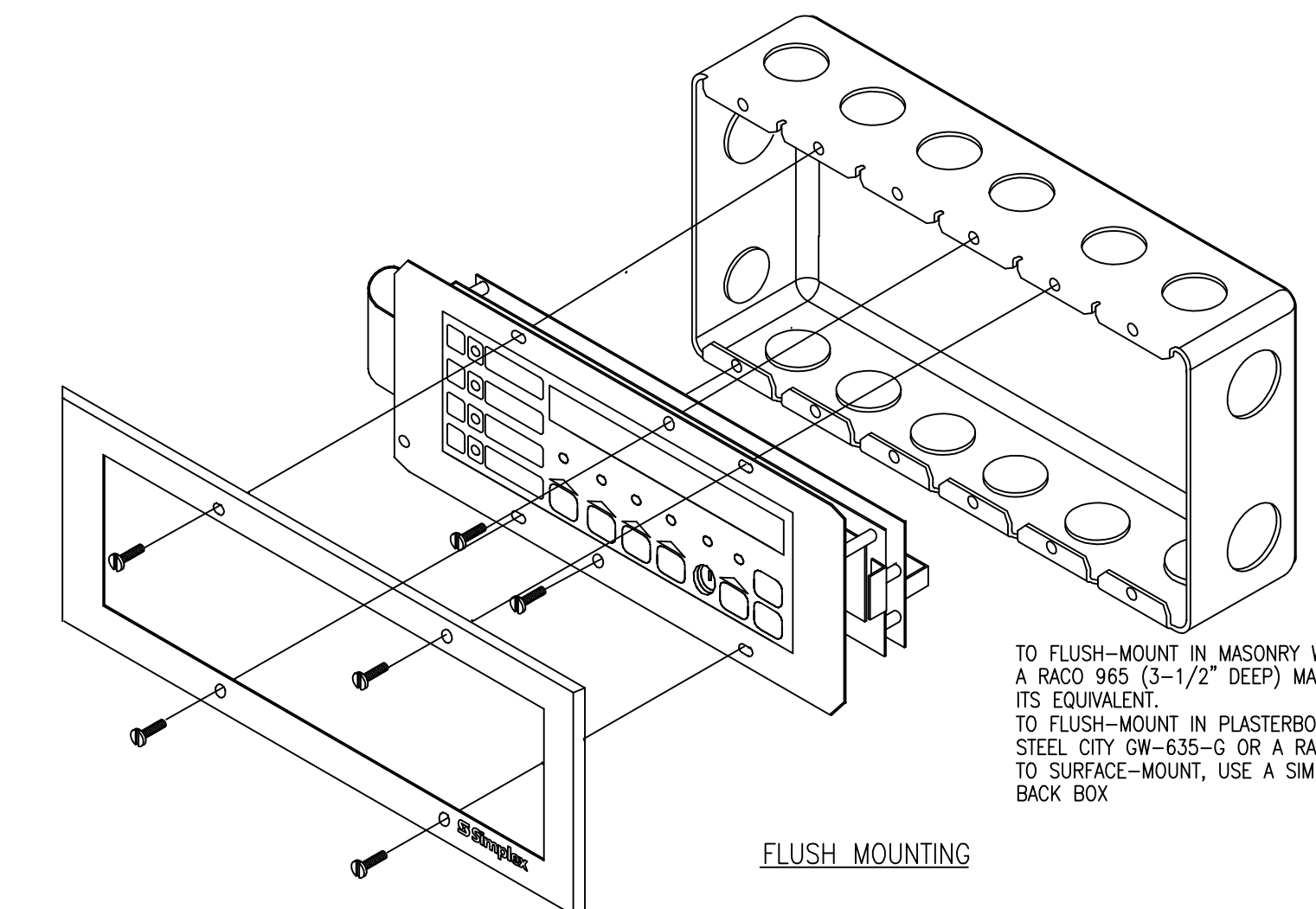
- VOLTAGE: 24VDC NOMINAL
CURRENT: ALARM 140mA SUPERVISORY 65mA
OPERATING TEMPERATURE: 32°F TO 120°F
HUMIDITY RANGE: 10% TO 90% RH FROM 32°F TO 104°F

OPTIONS:

- BRUSHED ALUMINUM TRIM: 4603-9111
SURFACE BOX: 2975-9206
DIMENSIONS: 11 31/32" L X 4 5/8" W X 2 3/4" D
FINISH: LIGHT BROWN ENAMEL

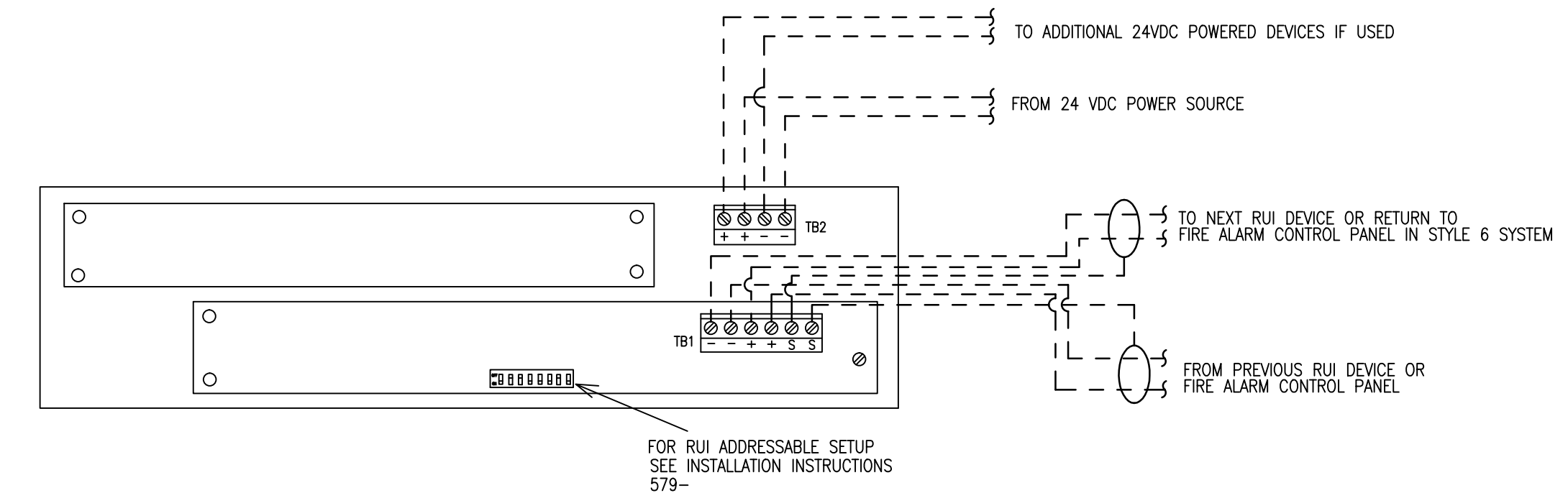
NOTES:

- ALL WIRING TO BE NO. 18 AWG OR TO LOCAL CODE.
ALL WIRING SUPERVISED
WIRE TO BE 18 AWG TWISTED SHIELDED PAIR RECOMMENDED



TO FLUSH-MOUNT IN MASONRY WALLS, USE A RACO 965 (3-1/2" DEEP) MASONRY BOX OR ITS EQUIVALENT.

FLUSH MOUNTING



FOR RUI ADDRESSABLE SETUP SEE INSTALLATION INSTRUCTIONS 579-

4098-9771 CO SENSOR BASE WITH SOUNDER

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 ANALOG PHOTOELECTRIC, PHOTO/HEAT, HEAT, OR IONIZATION SENSOR.

SPECIFICATIONS:

- UL LISTED TEMPERATURE RANGE: 32°F TO 100°F (0°C TO 38°C)
OPERATING TEMPERATURE RANGE: 4098-9714 = 15°F TO 122°F (-9°C TO 50°C)
4098-9733 = 32°F TO 122°F (0°C TO 50°C)
HUMIDITY RANGE: 10% TO 95% RH

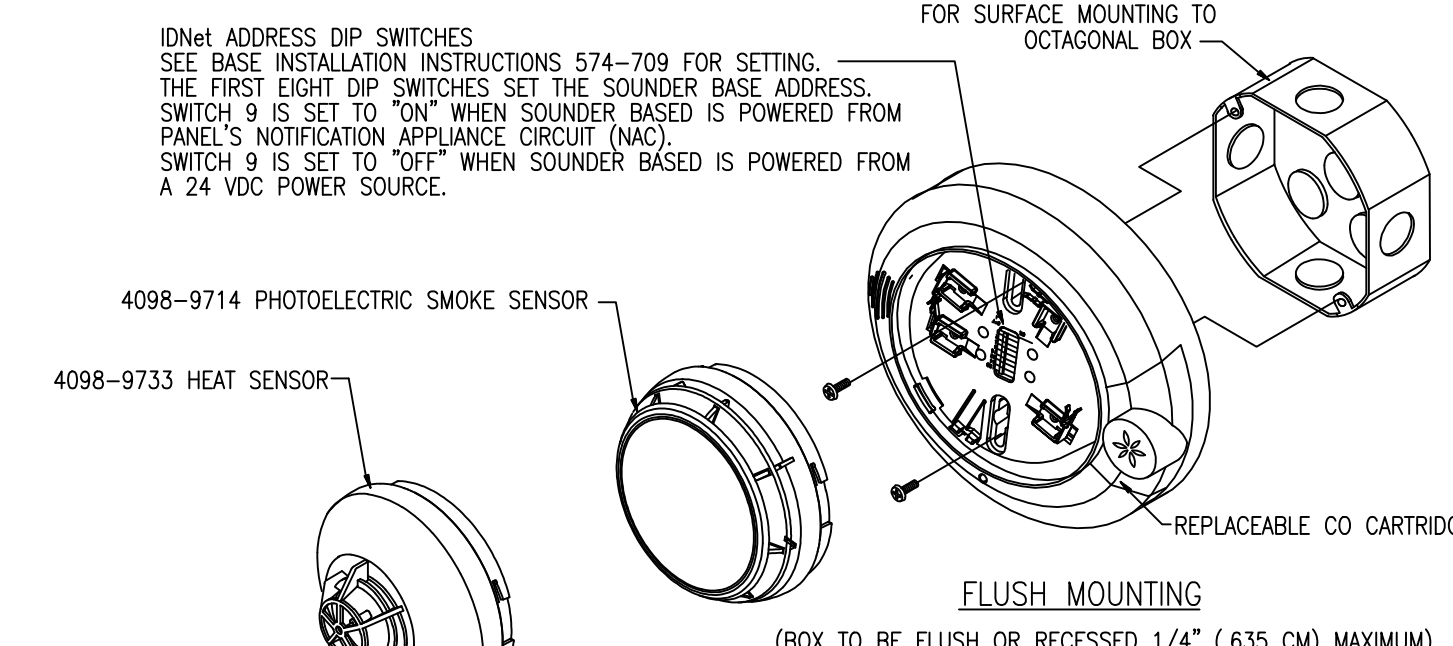
Table with 2 columns: CO SENSOR SPECIFICATIONS and 2 rows of PPM concentration and alarm window data.

Table with 2 columns: SOUNDER OPERATING SPECIFICATIONS and 2 rows of SOUNDER VOLTAGE and SOUNDER OUTPUT data.

DESCRIPTION:

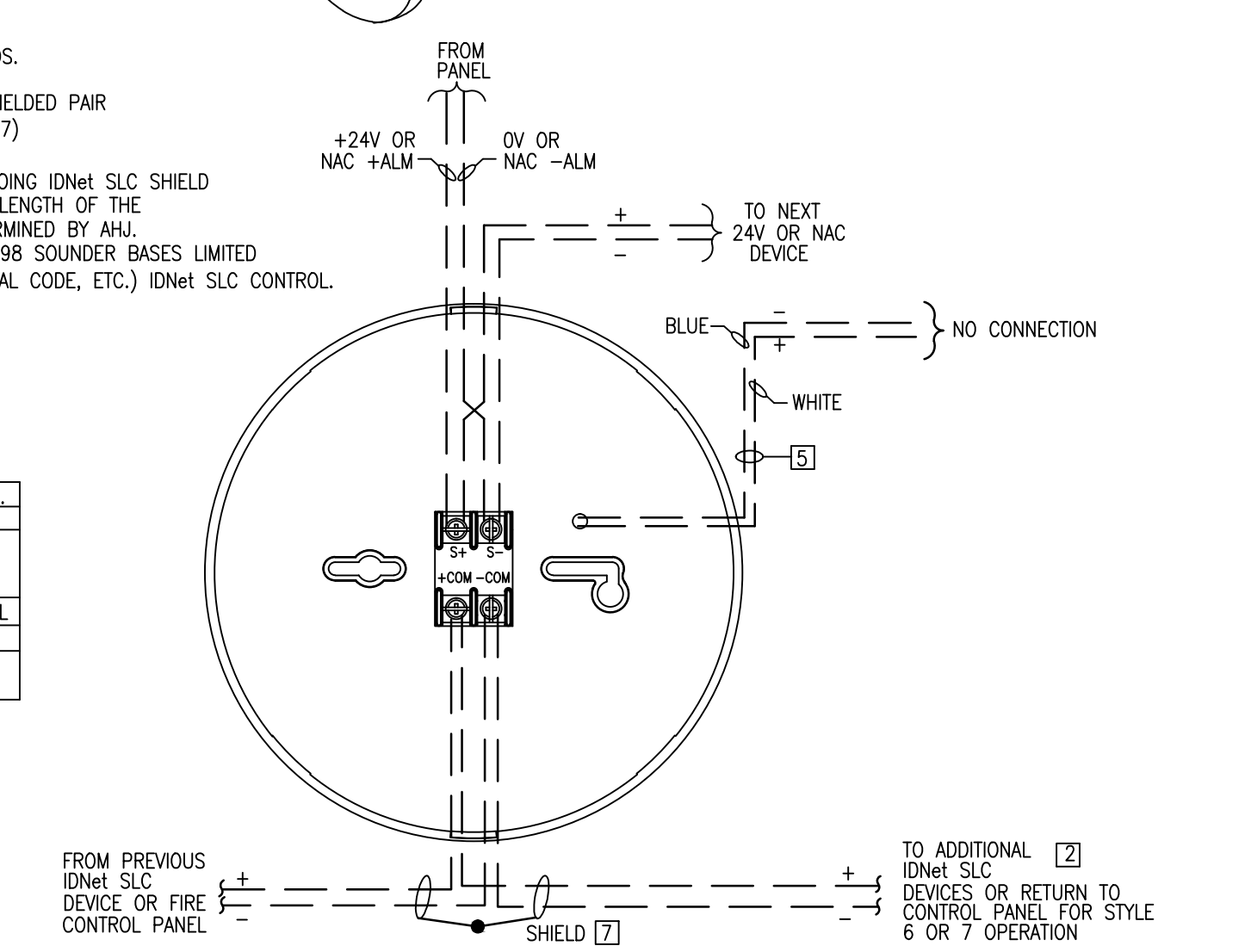
TRUEALARM SENSOR BASES CONTAIN INTEGRAL ADDRESSABLE ELECTRONICS THAT CONSTANTLY MONITOR THE STATUS OF THE DETACHABLE PHOTOELECTRIC, IONIZATION, OR HEAT SENSOR'S OUTPUT IS DIGITIZED AND TRANSMITTED TO THE SYSTEM FIRE ALARM CONTROL PANEL EVERY FOUR SECONDS.

4098-9771 CO SENSOR BASE WITH SOUNDER



IDNET ADDRESS DIP SWITCHES SEE BASE INSTALLATION INSTRUCTIONS 574-709 FOR SETTING. THE FIRST EIGHT DIP SWITCHES SET THE SOUNDER BASE ADDRESS.

FLUSH MOUNTING



BAXTER ACADEMY INTERIOR FIT-UP

COMMUNITY COUNSELING 185 LANCASTER ST. PORTLAND, MAINE 04101-2400

Table with columns: ISSUE NO., DATE, CHK, CDRK, DESCRIPTION

Table with columns: DRAWN BY, CHECKED BY, ISSUE DATE, JOB #, PROJECT #, SIMPLEGRINNELL © 2017

SYSTEM: FIRE ALARM SYSTEM SHEET: WIRING TYPICALS FA-701

tyco SimplexGrinnell Sefer. Smarter. Tyco. DISTRICT - 147 WESTBROOK, ME 04092 PHONE: 207-842-8440

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PRODUCT INFORMATION

4099-9006 IDNet SLC DOUBLE ACTION PUSH MANUAL STATION

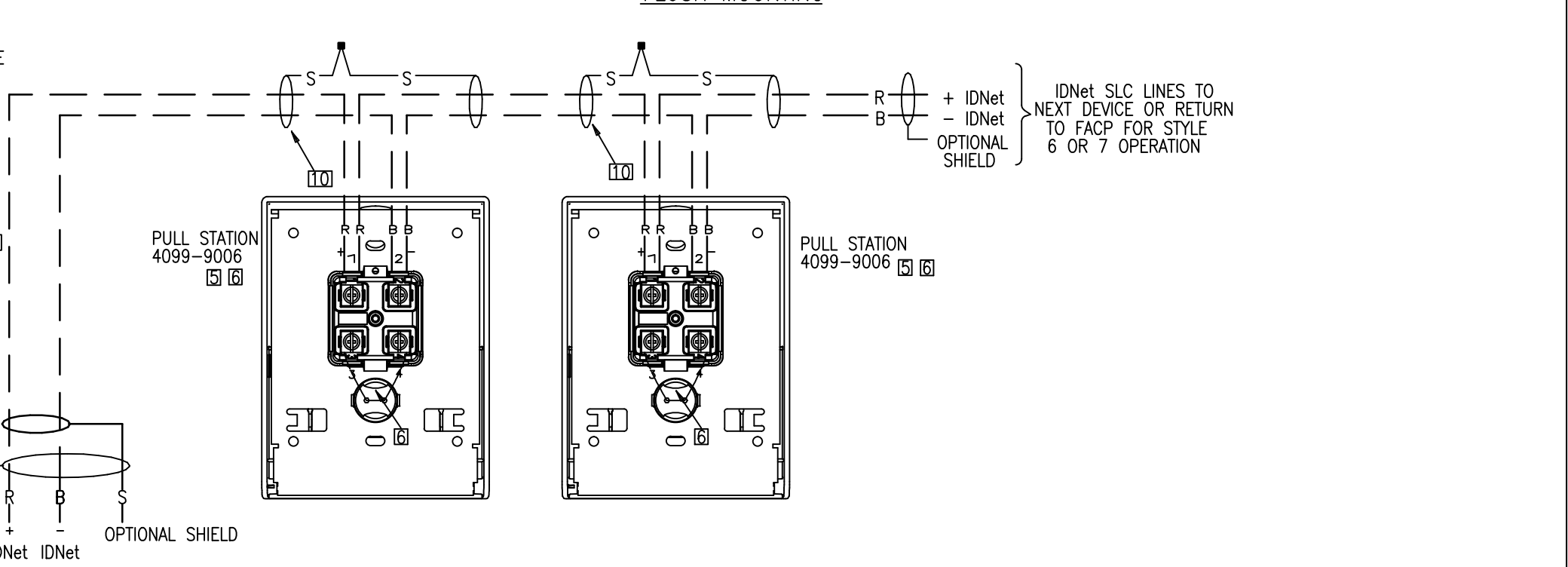
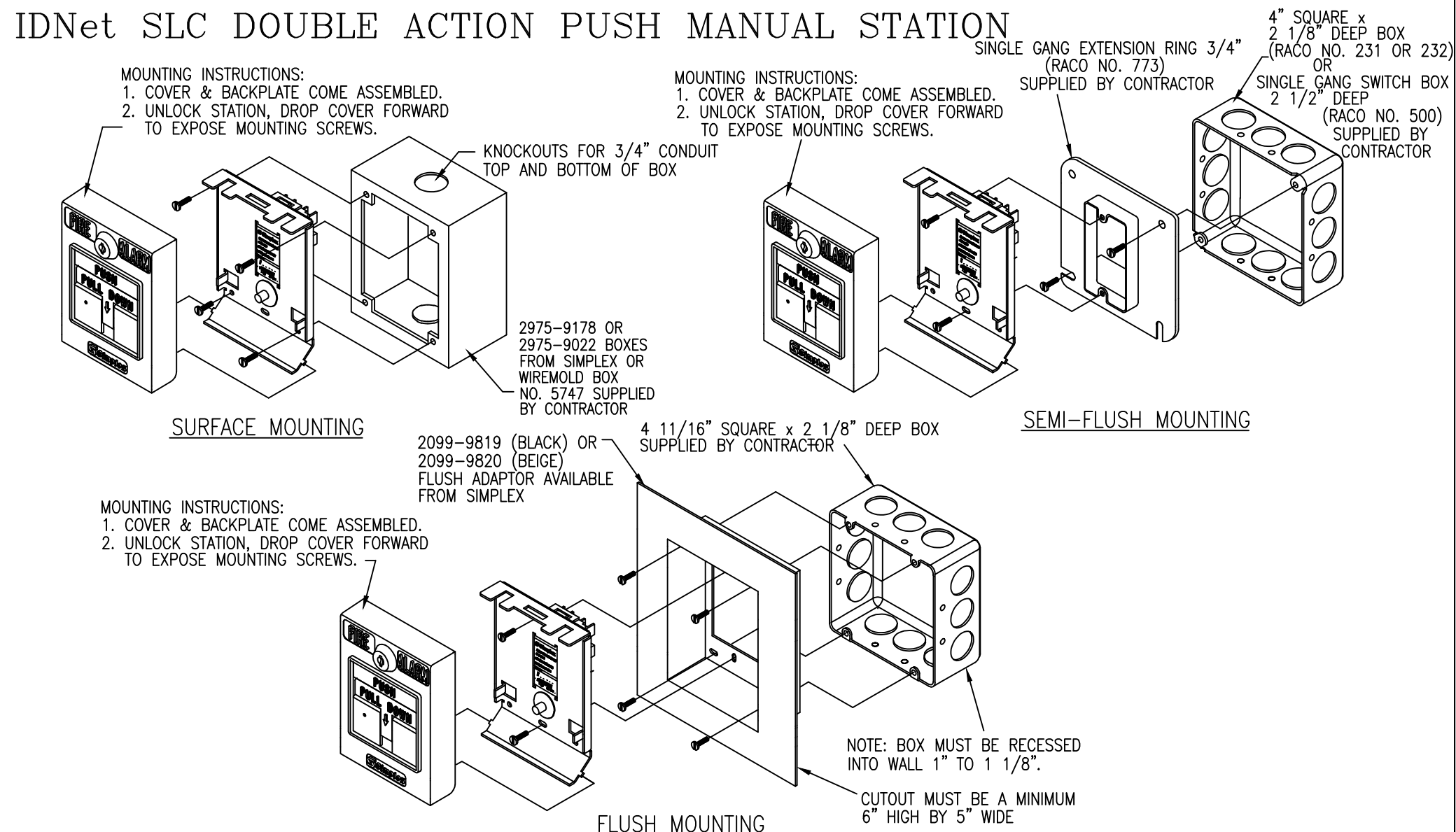
- FEATURES:
• UL LISTED
• DOUBLE ACTION (PUSH/PULL), IDNet SLC ADDRESSABLE
• PULL LEVER PROTRUDES WHEN ALARMED
• LED INDICATOR FLASHES DURING COMMUNICATION
• TAMPER RESISTANT RESET KEY LOCK
• MOUNTING: SEMI-FLUSH, SURFACE
• OPERATING TEMPERATURE RANGE: 32 - 120° F
• OPERATING HUMIDITY RANGE: 0 - 93%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

OPERATION:
ACTIVATION:
4099-9006 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:
4099-9006 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 CHP 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 4099-9006 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.

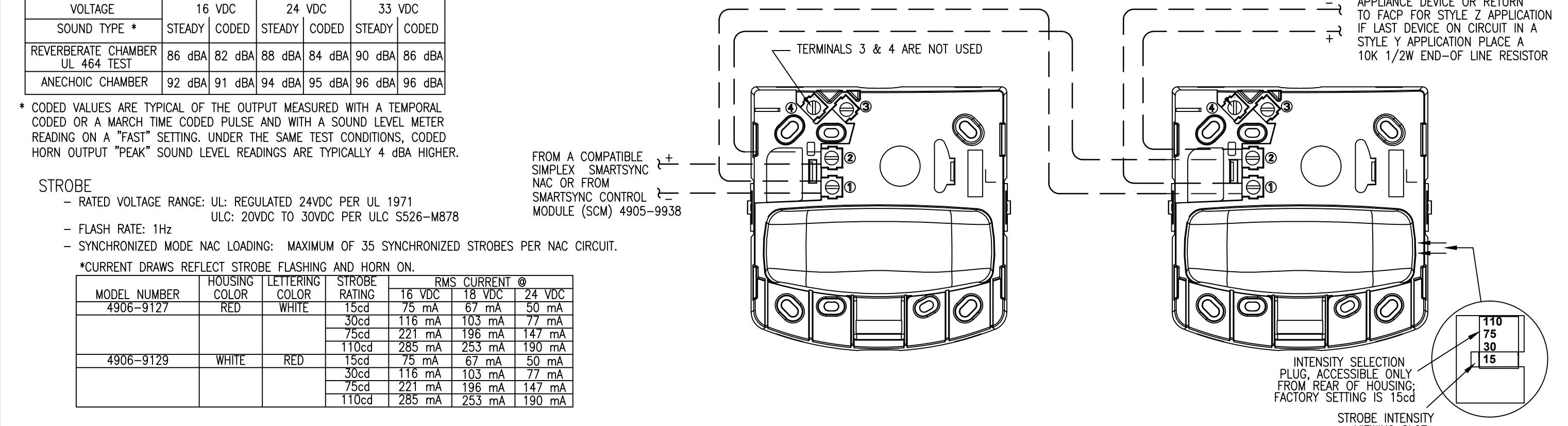
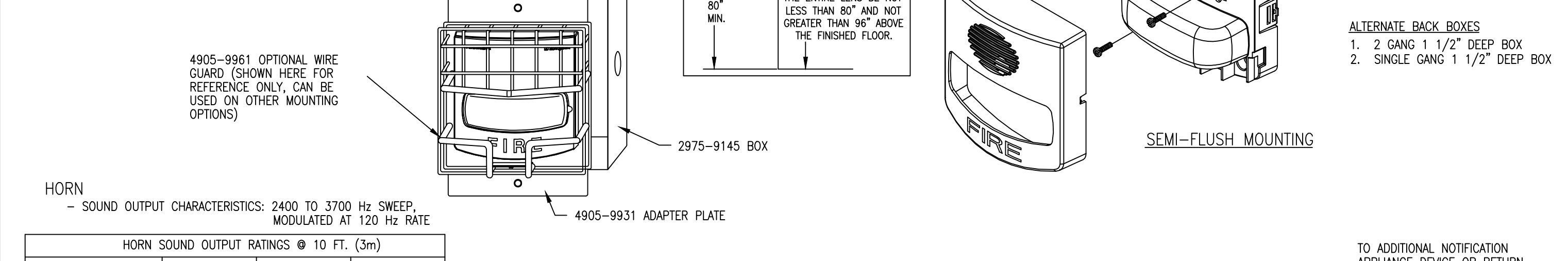
- WIRING:
1. ALL WIRING TO COMPLY WITH LOCAL CODE.
2. CONDUCTORS MUST TEST FREE OF ALL GROUNDS.
3. MAINTAIN CORRECT POLARITY
4. IDNet SLC LINES ARE TO BE 18 AWG TWISTED SHIELDED PAIR S=SHIELD [1] [2]
5. MAXIMUM LINE RUN FROM PANEL TO FARTHEST DEVICE NOT TO EXCEED 2500 FEET.
6. MAXIMUM TOTAL WIRE (INCLUDING ALL T-TAPS) FROM PANEL NOT TO EXCEED 10,000 FEET.
7. MAXIMUM QUANTITY OF DEVICES PER CIRCUIT: 250
8. TERMINALS 1 AND 2 FOR FIELD WIRING. TERMINALS 3 AND 4 ARE FACTORY WIRING.
9. WIRE NUT, SPLICE, OR SOLDER THE SHIELD WIRES.
10. 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.
11. SEE INSTALLATION INSTRUCTIONS 574-332



PRODUCT INFORMATION

TrueAlert™ NON-ADDRESSABLE MULTI-CANDELA AUDIBLE/VISIBLE NOTIFICATION APPLIANCE (ELECTRONIC HORN W/STROBE)

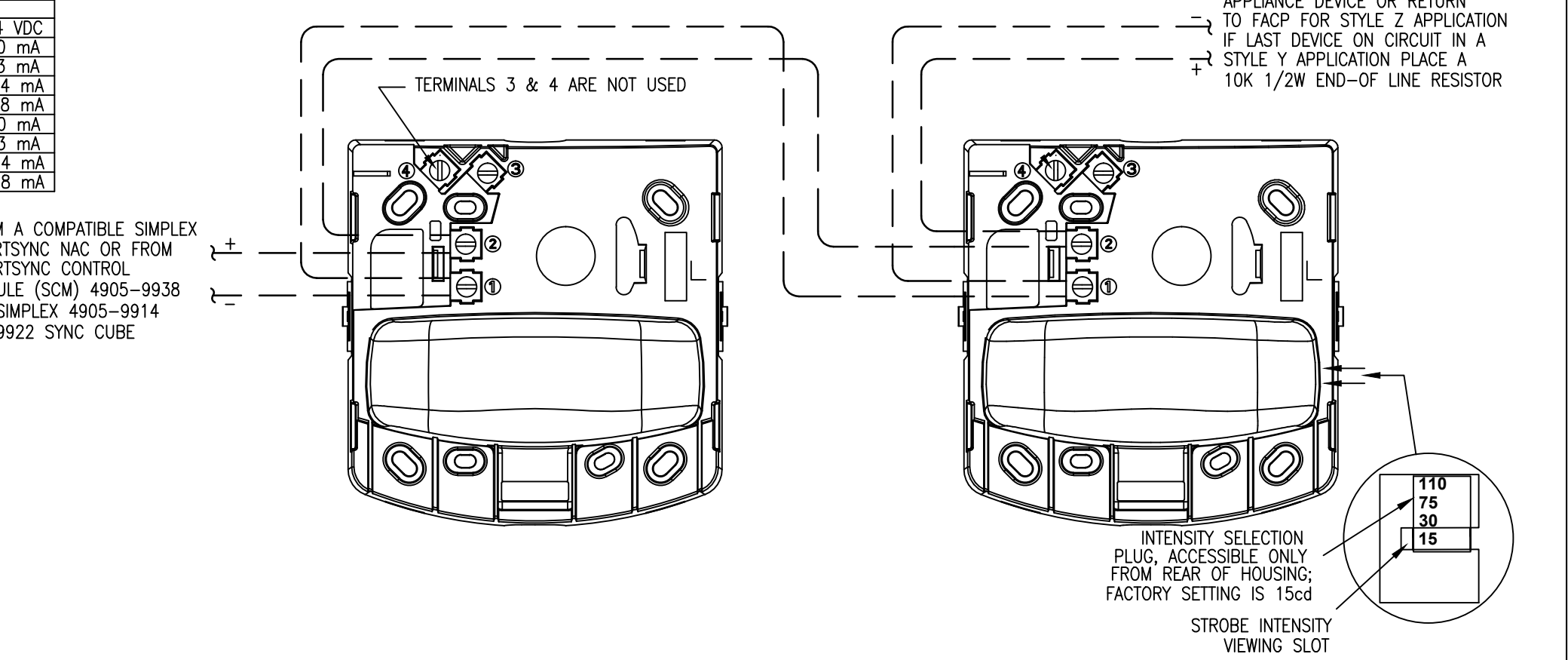
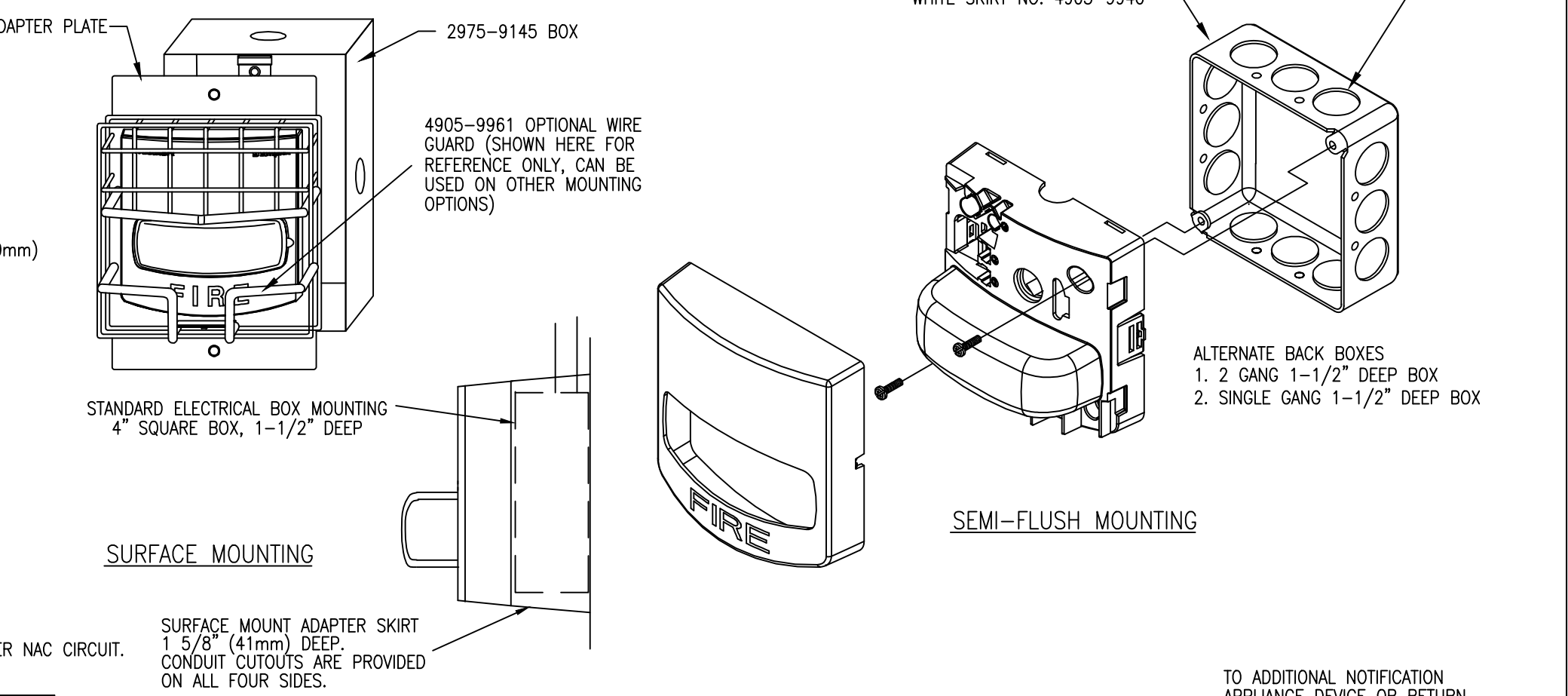
- FEATURES:
• CLASS B (STYLE Y) OPERATION REQUIRES CONNECTION TO A COMPATIBLE SMARTSYNC NAC OR TO SMARTSYNC CONTROL MODULE (SCM) 4905-9938
• CLASS A (STYLE Z) OPERATION WHEN CONNECTED TO THE 4905-9938 SCM OR 4100U SERIES FIRE ALARM CONTROL PANEL NAC'S
SPECIFICATIONS:
• HOUSING DIMENSIONS (INCLUDING LENS) : 5 1/8" H X 5" W X 2 3/4" D
• TEMPERATURE RANGE: 32° F TO 122° F (0° TO 50° C)
• HUMIDITY RANGE: 10% TO 93% NON-CONDENSING AT 100° F (38° C)
• TERMINAL BLOCKS FOR 18 AWG TO 12 AWG; TWO WIRES PER TERMINAL FOR IN/OUT WIRING.



HORN SOUND OUTPUT RATINGS @ 10 FT. (3m)
VOLTAGE: 16 VDC, 24 VDC, 33 VDC
SOUND TYPE: STEADY, CODED
REVERBERATE CHAMBER UL 464 TEST
ANEOCHIC CHAMBER

TrueAlert™ NON-ADDRESSABLE MULTI-CANDELA VISIBLE NOTIFICATION APPLIANCE (WALL MOUNT)

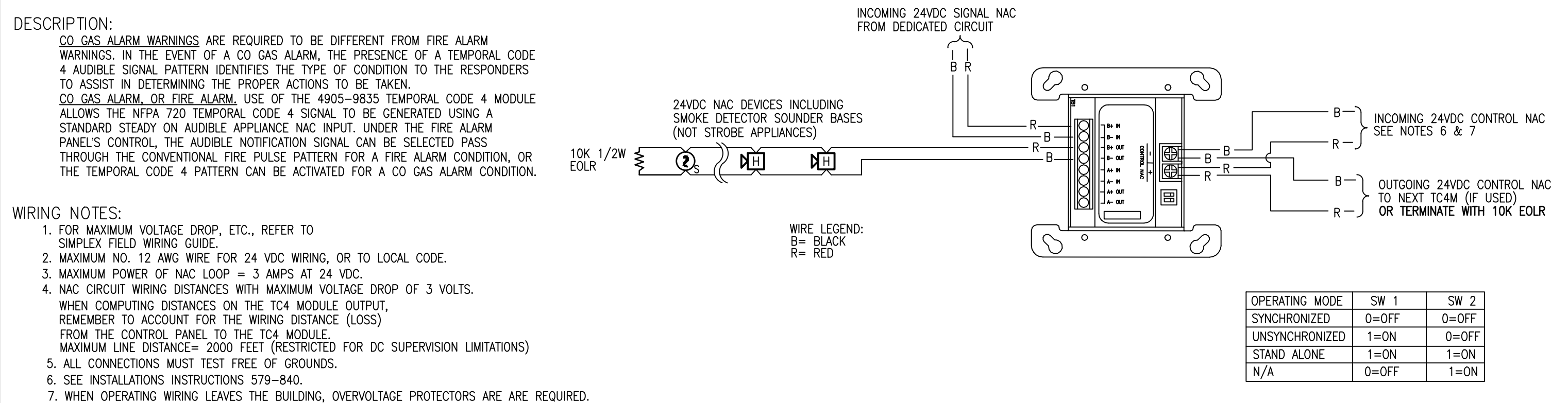
- FEATURES:
• UL LISTED TO STANDARD 1971
• ADA COMPATIBLE
SYNCHRONIZATION FLASH RATE MODE FOR USE WITH:
• SEPARATE STROBE SYNCHRONIZATION MODULES THAT ARE AVAILABLE FOR CLASS B OR CLASS A OPERATION
• SEPARATE SMARTSYNC CONTROL MODULES (SCMs) THAT PROVIDE CLASS B OR CLASS A OUTPUT FROM CONVENTIONAL NAC INPUTS
SPECIFICATIONS:
• HOUSING DIMENSIONS: 5-1/8" H X 5" W X 2-3/4" D (130mm X 127mm X 70mm)
• TEMPERATURE RANGE: 32° F TO 122° F (0 TO 50° C)
• HUMIDITY RANGE: 10% TO 93% NON-CONDENSING AT 100° F (38° C)
• TERMINAL BLOCKS FOR 18AWG TO 12AWG; TWO WIRES PER TERMINAL FOR IN/OUT WIRING.
WIRING:
1. NOTIFICATION APPLIANCES ARE RATED PER INDIVIDUAL NAMEPLATE LABEL.
2. MAINTAIN CORRECT POLARITY ON TERMINAL CONNECTIONS. DO NOT LOOP WIRES UNDER TERMINALS.
3. ALL NAC WIRING CONNECTIONS ARE SUPERVISED AND POWER-LIMITED.
4. SEE INSTALLATION INSTRUCTIONS (579-548) FOR ADDITIONAL INFORMATION.
STROBE:
• RATED VOLTAGE RANGE: UL LISTED: 16 VDC TO 33 VDC PER UL 1971
ULC LISTED: 20 VDC TO 30 VDC PER ULC 5526-M878
• FLASH RATE: 1Hz
• SYNCHRONIZED MODE NAC LOADING: MAXIMUM OF 35 SYNCHRONIZED STROBES PER NAC CIRCUIT.
• CURRENT DRAWS REFLECT STROBE FLASHING



CURRENT DRAWS REFLECT STROBE FLASHING
MODEL NUMBER: 4906-9101, 4906-9103
HOUSING COLOR: RED, WHITE
LETTERING COLOR: WHITE, RED
STROBE RATING: 15cd, 30cd, 75cd, 110cd
RMS CURRENT @: 16 VDC, 18 VDC, 24 VDC

4905-9835 TEMPORAL CODE 4 MODULE (TC4M) FOR CO GAS ALARM NOTIFICATION (STYLE Y)

- PRODUCT INFORMATION
SPECIFICATIONS:
• UL LISTED STANDARD 864
• THREE SELECTABLE OPERATING MODES:
SYNCHRONIZED:
- THE PANEL CONTROL NAC OUTPUTS A SYNCHRONIZATION PATTERN
- SIGNALS ARE SYNCHRONIZED BETWEEN TC4M'S
- ONE DEDICATED CONTROL NAC IS RESERVED TO COMMAND ALL TC4M'S WITHIN A SYSTEM OF A FIRE (NAC OFF) OR CO ALARM (NAC ON) WHILE SYNCHRONIZING THEM.
- THE CONTROL NAC IS OFF DURING A FIRE ALARM, AND THEREFORE THE TC4M PASSES THROUGH ANYTHING THAT IS PLAYED ON THE SIGNAL NAC.
- DURING A CO ALARM, THE SIGNAL NAC IS REQUIRED TO BE ON STEADILY TO SOUND THE TEMPORAL CODE 4.
UNSYNCHRONIZED:
- THE PANEL CONTROL NAC IS ON DURING A CO GAS ALARM.
- SIGNALS ARE NOT SYNCHRONIZED BETWEEN TC4M'S.
- ONE DEDICATED CONTROL NAC IS RESERVED TO COMMAND ALL TC4M'S WITHIN A SYSTEM OF A FIRE (NAC OFF) OR CO ALARM (NAC ON) WHILE SYNCHRONIZING THEM.
- THE CONTROL NAC IS OFF DURING A FIRE ALARM, AND THEREFORE THE TC4M PASSES THROUGH ANYTHING THAT IS PLAYED ON THE SIGNAL NAC.
- DURING A CO ALARM, THE SIGNAL NAC IS REQUIRED TO BE ON STEADILY TO SOUND THE TEMPORAL CODE 4.
STAND ALONE:
- ALLOWS THE INPUT NAC TO ACTIVATE TEMPORAL CODE 4 TIMING FOR NACS DEDICATED FOR CO GAS ALARM
- ONLY THE TEMPORAL CODE 4 IS OUTPUT.
- NO CONTROL NAC WIRE IS USED AT THE NAC OR AT THE TC4M. ALL SIGNAL NAC WIRING REMAINS THE SAME.
- WALKTEST CANNOT BE PLAYED ON THE SIGNAL NAC TIED TO THE TC4M.
- THE NAC IS ONLY USED FOR CO GAS ALARM (CANNOT BE USED FOR FIRE ALARM).
- DURING A CO ALARM, THE SIGNAL NAC IS REQUIRED TO BE ON STEADILY TO SOUND THE TEMPORAL CODE 4.
• OPERATING TEMPERATURE RANGE: 32° F TO 120° F (0° C TO 49° C)
• HUMIDITY RANGE: UP TO 93% RELATIVE HUMIDITY @ 100° F (38° C)
• OUTPUT CAPACITY: FOR 24 VDC NACS, UP TO 3 A MAXIMUM. LIMIT IS PER THE INPUT NAC RATING; FOR CONTROL OF AUDIBLE NOTIFICATION APPLIANCES COMPATIBLE WITH CODE PULSE DUTY CYCLE.
• SCREW TERMINALS FOR IN/OUT WIRING, 18 TO 12 AWG WIRE.



- DESCRIPTION:
CO GAS ALARM WARNINGS ARE REQUIRED TO BE DIFFERENT FROM FIRE ALARM WARNINGS. IN THE EVENT OF A CO GAS ALARM, THE PRESENCE OF A TEMPORAL CODE 4 AUDIBLE SIGNAL PATTERN IDENTIFIES THE TYPE OF CONDITION TO THE RESPONDERS TO ASSIST IN DETERMINING THE PROPER ACTIONS TO BE TAKEN.
CO GAS ALARM OR FIRE ALARM USE OF THE 4905-9835 TEMPORAL CODE 4 MODULE ALLOWS THE NFPA 720 TEMPORAL CODE 4 SIGNAL TO BE GENERATED USING A STANDARD STEADY ON AUDIBLE APPLIANCE NAC INPUT. UNDER THE FIRE ALARM PANELS' CONTROL, THE AUDIBLE NOTIFICATION SIGNAL CAN BE SELECTED PASS THROUGH THE CONVENTIONAL FIRE PULSE PATTERN FOR A FIRE ALARM CONDITION, OR THE TEMPORAL CODE 4 PATTERN CAN BE ACTIVATED FOR A CO GAS ALARM CONDITION.
WIRING NOTES:
1. FOR MAXIMUM VOLTAGE DROP, ETC., REFER TO SIMPLEX FIELD WIRING GUIDE.
2. MAXIMUM NO. 12 AWG WIRE FOR 24 VDC WIRING, OR TO LOCAL CODE.
3. MAXIMUM POWER OF NAC LOOP = 3 AMPS AT 24 VDC.
4. NAC CIRCUIT WIRING DISTANCES WITH MAXIMUM VOLTAGE DROP OF 3 VOLTS. WHEN COMPUTING DISTANCES ON THE TC4 MODULE OUTPUT, REMEMBER TO ACCOUNT FOR THE WIRING DISTANCE (LOSS) FROM THE CONTROL PANEL TO THE TC4 MODULE. MAXIMUM LINE DISTANCE= 2000 FEET (RESTRICTED FOR DC SUPERVISION LIMITATIONS)
5. ALL CONNECTIONS MUST TEST FREE OF GROUNDS.
6. SEE INSTALLATIONS INSTRUCTIONS 579-840.
7. WHEN OPERATING WIRING LEAVES THE BUILDING, OVERVOLTAGE PROTECTORS ARE ARE REQUIRED.

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DISTRICT - 147
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PHONE: 207-842-8440
FAX: 207-842-8439

BAXTER ACADEMY INTERIOR FIT-UP
COMMUNITY COUNSELING
185 LANCASTER ST.
PORTLAND, MAINE 04101-2400

Revision table with columns: ISSUE NO., DATE, CHK, CDR, DESCRIPTION
DRAWN BY: STEPHEN HERMES
CHECKED BY: ALAN O'NEIL
ISSUE DATE: 5/26/17
JOB #:
PROJECT #: 147-999894901
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SYSTEM: FIRE ALARM SYSTEM
SHEET:
WIRING TYPICALS
FA-702