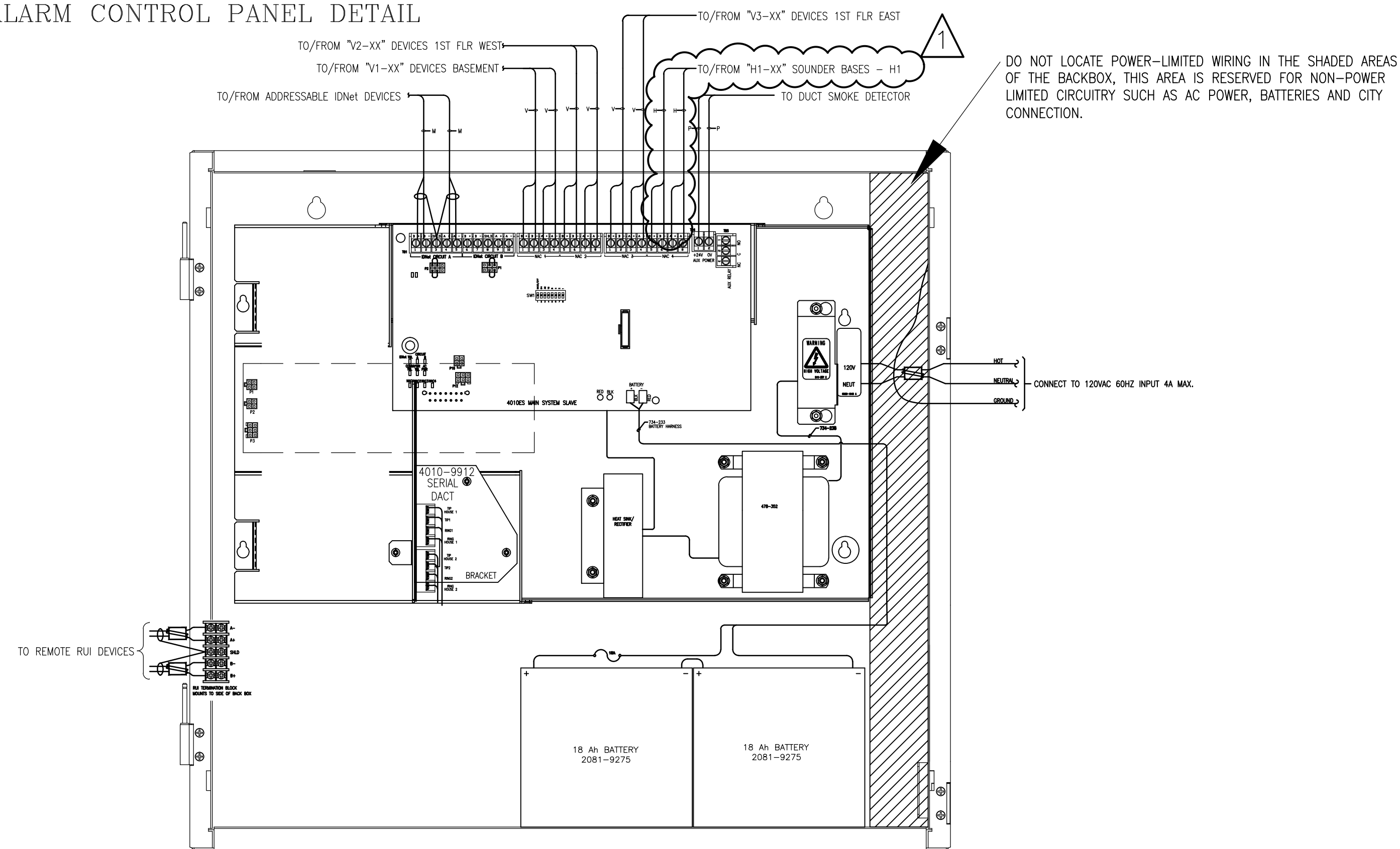
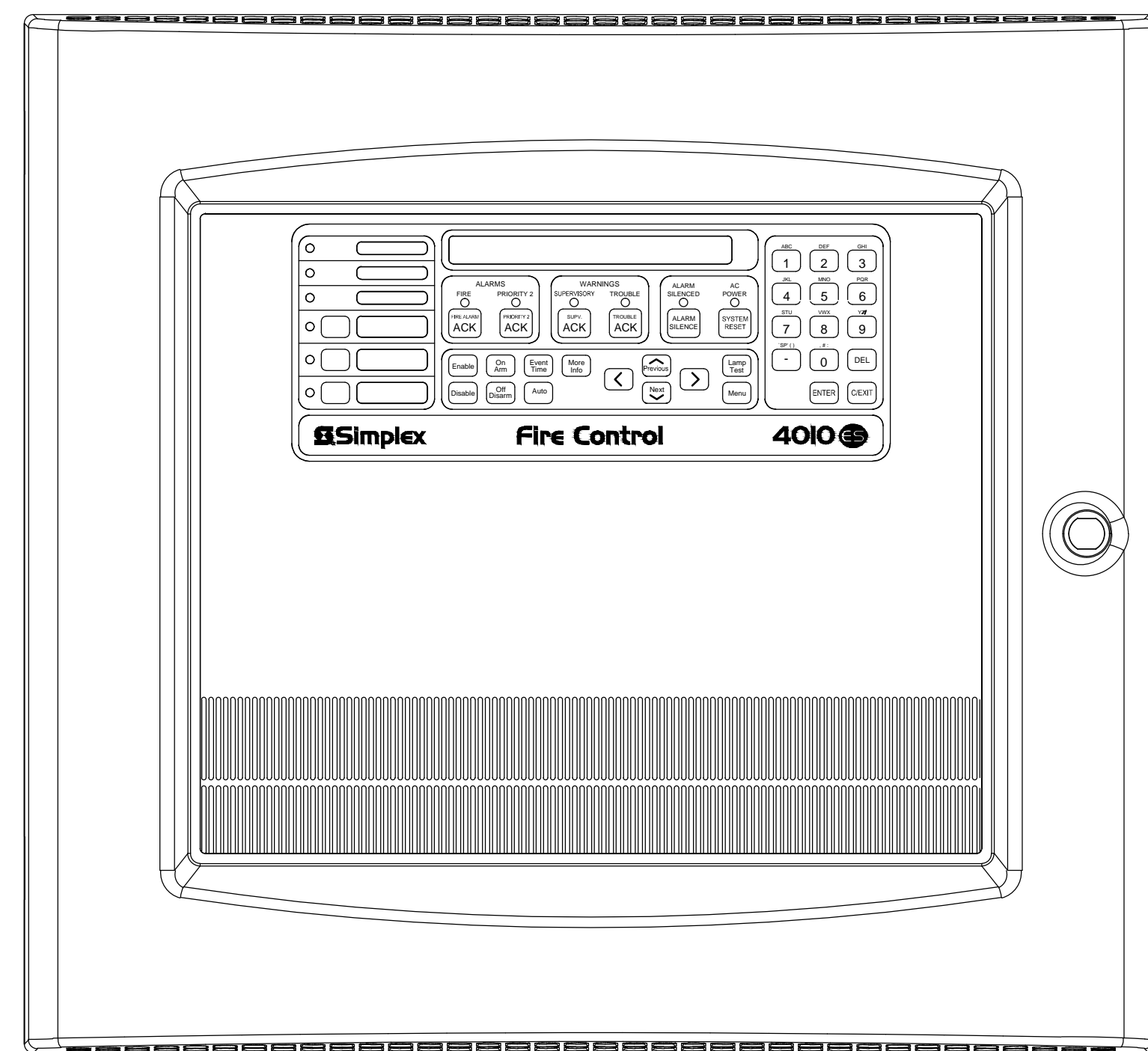


4010ES FIRE ALARM CONTROL PANEL DETAIL



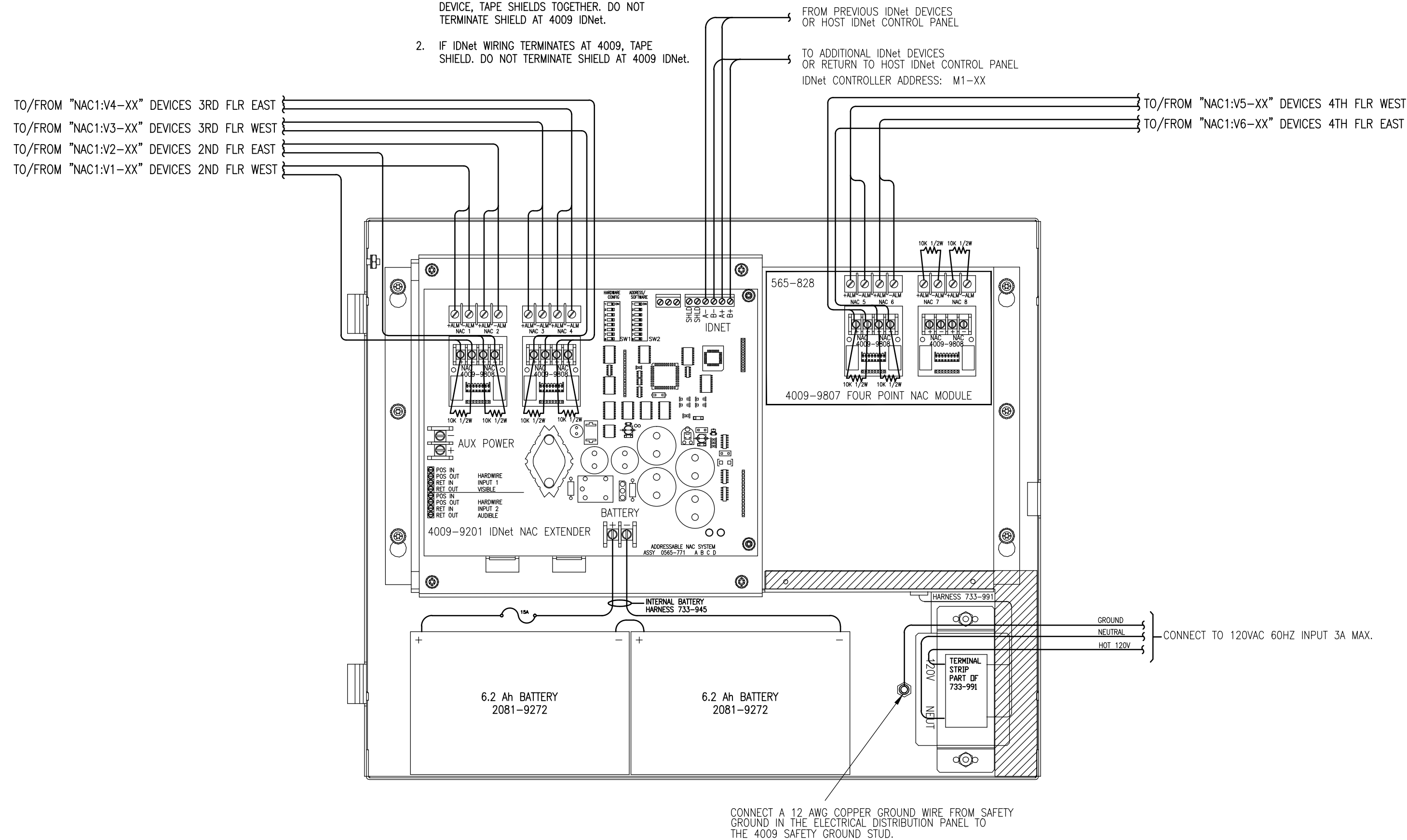
FIRE ALARM CONTROL PANEL

FIRST FLOOR
RECEPTION AREA B230

4009-9201 NAC EXTENDER PANEL

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

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



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

PRODUCT INFORMATION

SPECIFICATIONS:

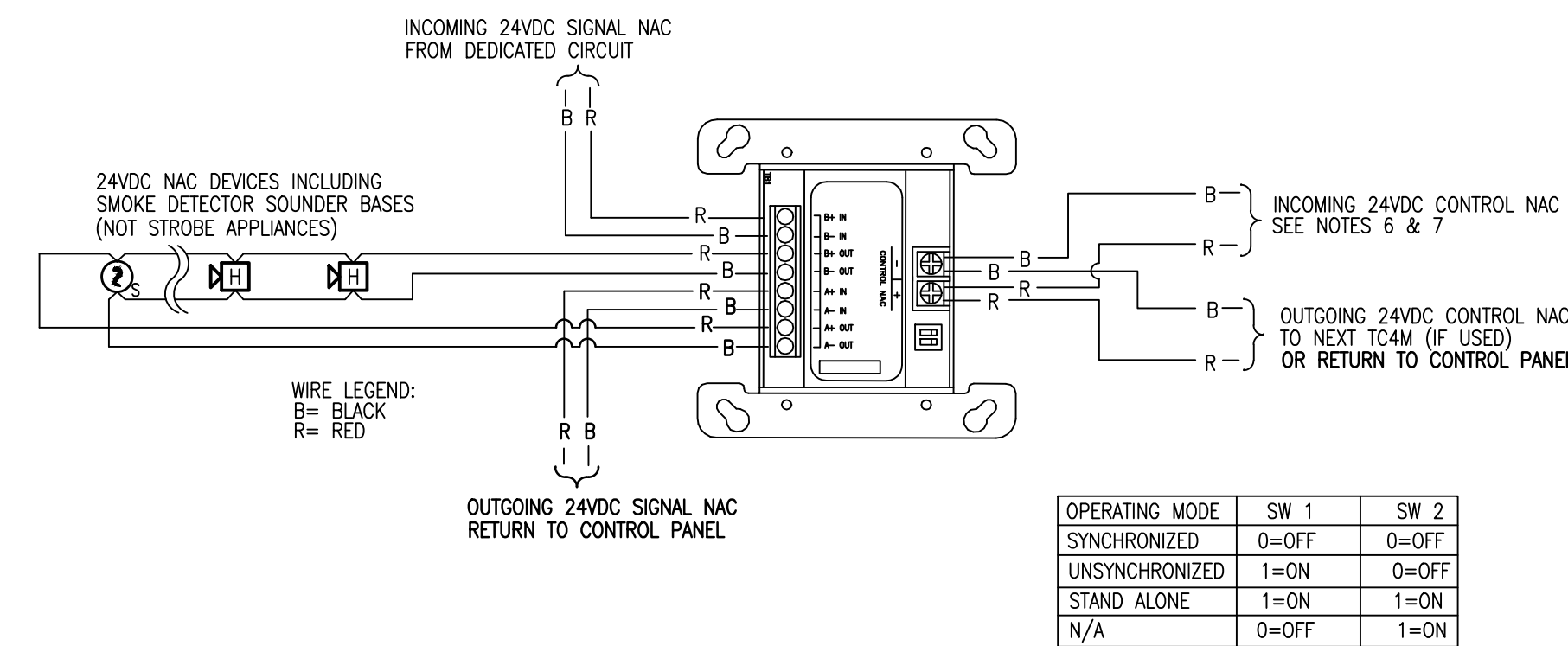
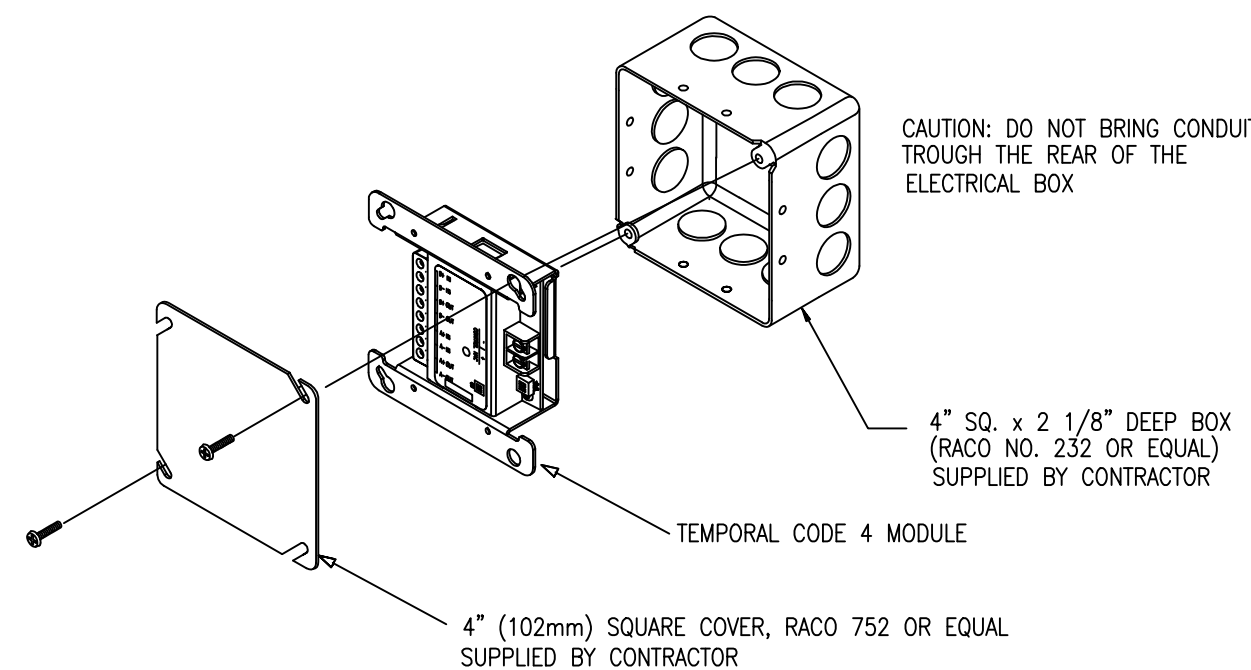
- UL LISTED STANDARD 864
- THREE SELECTABLE OPERATING MODES:
 - SYNCHRONIZED:** ALLOWS A DEDICATED CONTROL NAC TO BOTH ACTIVATE AND SYNCHRONIZE THE TEMPORAL CODE 4 OUTPUT TIMING OF MULTIPLE 4905-9835 MODULES
 - THE PANEL CONTROL NAC OUTPUTS A SYNCHRONIZATION PATTERN
 - SIGNALS ARE SYNCHRONIZED BETWEEN 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** - ALLOWS A DEDICATED CONTROL NAC TO ACTIVATE THE TEMPORAL CODE 4 OUTPUT TIMING OF MULTIPLE 4905-9835 MODULES
 - 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 PANEL'S 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:

- FOR MAXIMUM VOLTAGE DROP, ETC., REFER TO SIMPLEX FIELD WIRING GUIDE.
- MAXIMUM NO. 12 AWG WIRE FOR 24 VDC WIRING, OR TO LOCAL CODE.
- MAXIMUM POWER OF NAC LOOP = 3 AMPS AT 24 VDC.
- 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)
- ALL CONNECTIONS MUST TEST FREE OF GROUNDS.
- SEE INSTALLATIONS INSTRUCTIONS 579-840.
- WHEN OPERATING WIRING LEAVES THE BUILDING, OVERVOLTAGE PROTECTORS ARE REQUIRED.



NO.	DATE	REVISION DESCRIPTION
1	3/28/12	REVISED PER FIRE DEPARTMENT REVIEW COMMENTS DATED 3/20/13