

## NOTICE

Ground terminal must be connected to Earth Ground per Article 760 of the National Electric Code. Failure to make a proper Earth Ground connection to a metal cold water pipe or a driven Ground Rod to this terminal will result in loss of Lightning protection, reduce the tolerance of the system to transients and will adversely affect its operation. Panel Neutral or Conduit Ground is not acceptable. Minimum Wire Size: 12 AWG

## WARNING

THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR THE WIRING OF ALL DEVICES, THE WIRE TYPE AND THAT ALL WIRE SIZES MEET STATE AND LOCAL CODE REQUIREMENTS. THE INSTALLING CONTRACTOR IS ALSO RESPONSIBLE THAT THE INSTALLATION IS FREE OF ALL DEFECTS.

## WIRING SPECIFICATIONS

DATA/SLC- 16 AWG MIN 12AWG MAX, TWISTED CABLE, SHIELDED CABLE NOT ACCEPTED.

ZONE/IDC- 16 AWG MIN 12AWG MAX.

SIGNAL/NAC- 16AWG MIN 12AWG MAX

POWER- 16AWG MIN 12AWG MAX

ANNUNCIATOR DATA- 16AWG MIN. 12AWG MAX. TWISTED SHIELDED CABLE.

POWER LIMITED AND NON POWER LIMITED CABLE CAN NOT BE RUN THROUGH THE SAME RACEWAY.

## NOTES

- Must be grounded to a driven ground rod or the cold water pipe on the street side of the main shut off valve.
- No AC voltage on any terminal other than those specified.
- Maximum line resistance is 40 Ohms, maximum line capacitance is 0.5 micro-farad per loop.

## GENERAL NOTES

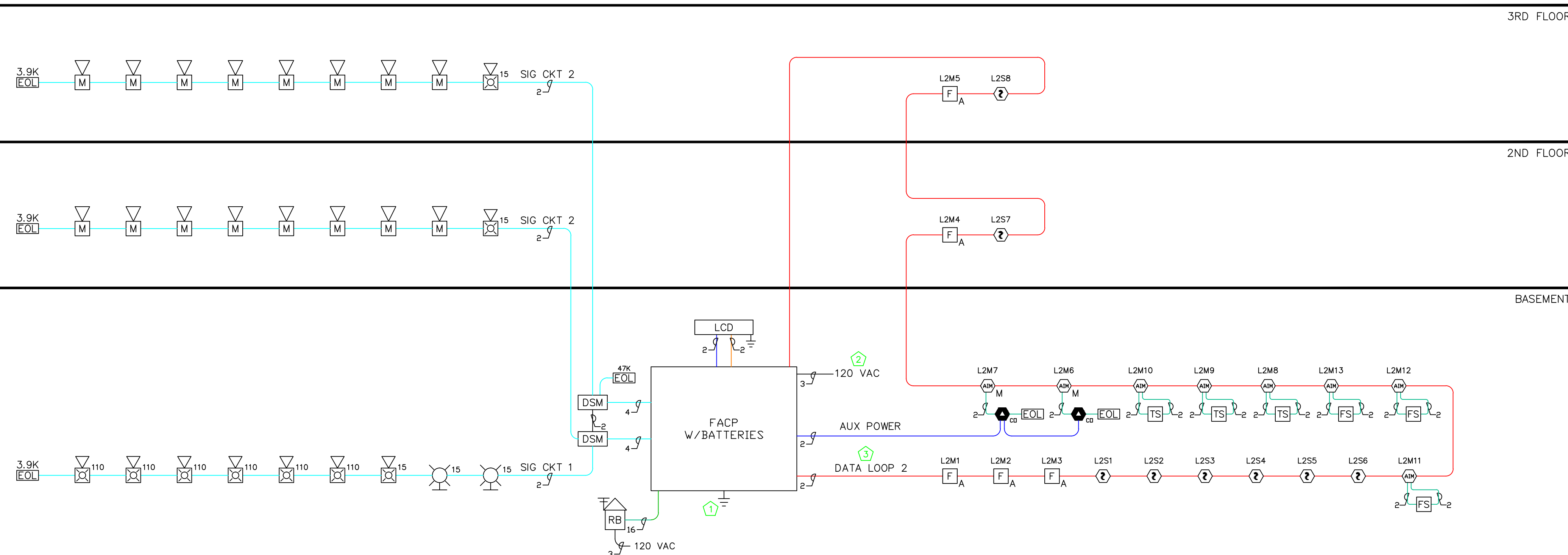
- ALL Fire Alarm System wiring shall comply with the National Electrical Code, Applicable State and Local Fire and Safety Codes, as well as being coordinated with the Local Authority Having Jurisdiction.
- CAUTION: **DO NOT** connect any power to control panel batteries or LED volt until all other field wiring is tested and connected.
- DO NOT** install FACP or smoke detectors in any unheated area.
- DO NOT** install any AC current carrying conductors close to or in the same raceway with fire alarm system conductors.
- Dotted lines indicate factory wiring. Solid lines indicate connections to be made by the installer.
- See Installation Manual for additional wiring instructions.
- All relays are shown in normal supervisory condition. All relay dry contacts 28 VDC @ 1A ONLY.
- FACP Indicating circuit outputs are 24 VDC @ 1.7 amps per circuit.
- All electronic devices must be installed in a temperature controlled "dry" environment.
- Cabinet Dimensions: FX-2003-6DSK - L 26.0000" W 14.5000" D 4.5000"

## SPECIAL FUNCTIONS

All Wiring To Be Class A.

## QTY LEGEND

- |     |  |  |
|-----|--|--|
| 5   |  | Addressable Manual Pull Station                              |
| 8   |  | Analog Photoelectric Smoke Detector                          |
| 2   |  | 12/24VDC Carbon Monoxide Detector                            |
| 3   |  | Flow Switch (Furnished By Others)                            |
| 3   |  | Tamper Switch (Furnished By Others)                          |
| 6   |  | Addressable Monitor Module                                   |
| 2   |  | Addressable Mini Monitor Module                              |
| 2   |  | Strobe   |
| 9   |  | Horn Strobe  |
| 16  |  | Mini Horn  |
| 1   |  | Serial LCD Annunciator                                       |
| 2   |  | Dual Sync Module   |
| 1   |  | AES Radio Transceiver (Furnished By Others)                  |
|     |  | End of Line Resistor must be installed after the last device |
| 15  |  | 15 Candela   |
| 110 |  | 110 Candela  |
|     |  | Ground   |



## SIGNAL CIRCUITS

CKT #	TOTAL LOAD	CAPACITY %
SIG CKT 1	1.4350	84%
SIG CKT 2	0.3550	21%
SIG CKT 3	0.3550	21%
SIG CKT 4	0.0350	2%

WIRE SIZE TO BE DETERMINED BY INSTALLING CONTRACTOR IN FIELD. ALL SYSTEM WIRING SHALL BE 16AWG MIN. AND 12AWG MAX.



Prepared By:

**Mammoth Fire Alarms**  
Incorporated

1-800-995-9808

Lowell, MA 01854-3126



Property Protection Monitoring Incorporated

1-877-796-2344

Lowell, MA 01854-3126



Mammoth Fire Protection Systems Incorporated

1-877-637-5666

Lowell, MA 01854-3126

Scale: None

Date: 9/8/17

Approved By: Dave

9/14/17

Portland, ME

Approved By: RJW

Revised:

Project Info

502 Deering Center

Portland, ME

Prepared For:

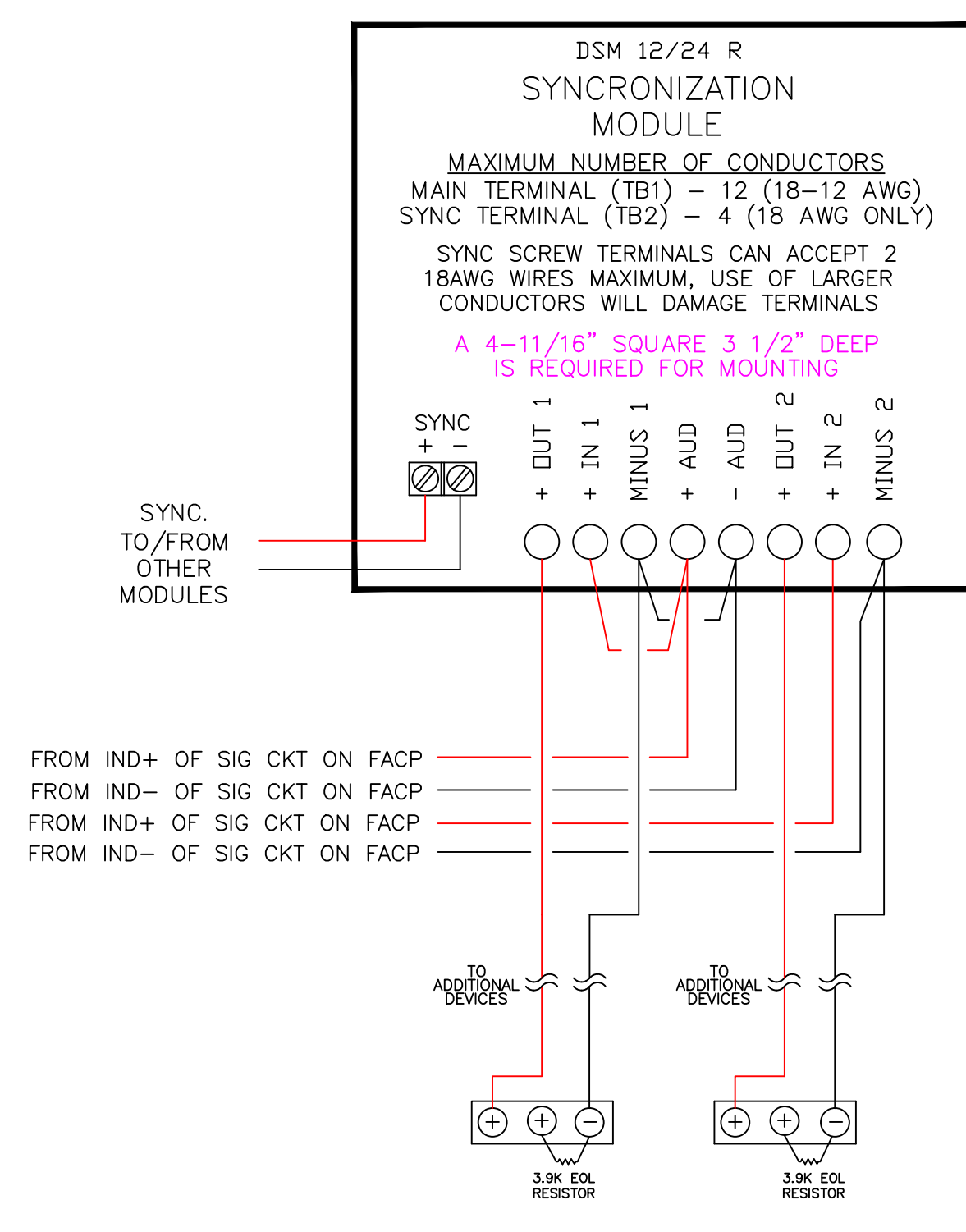
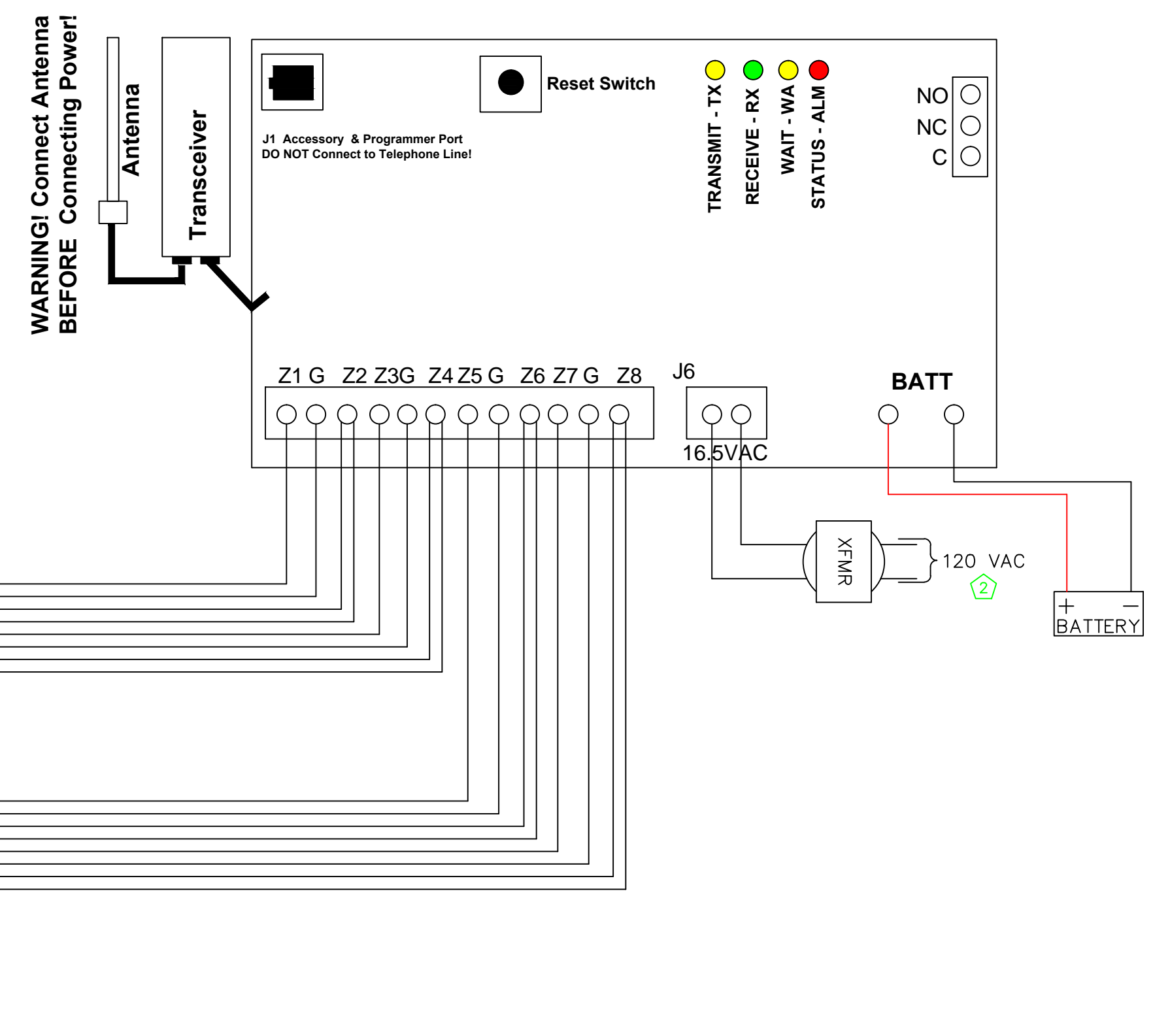
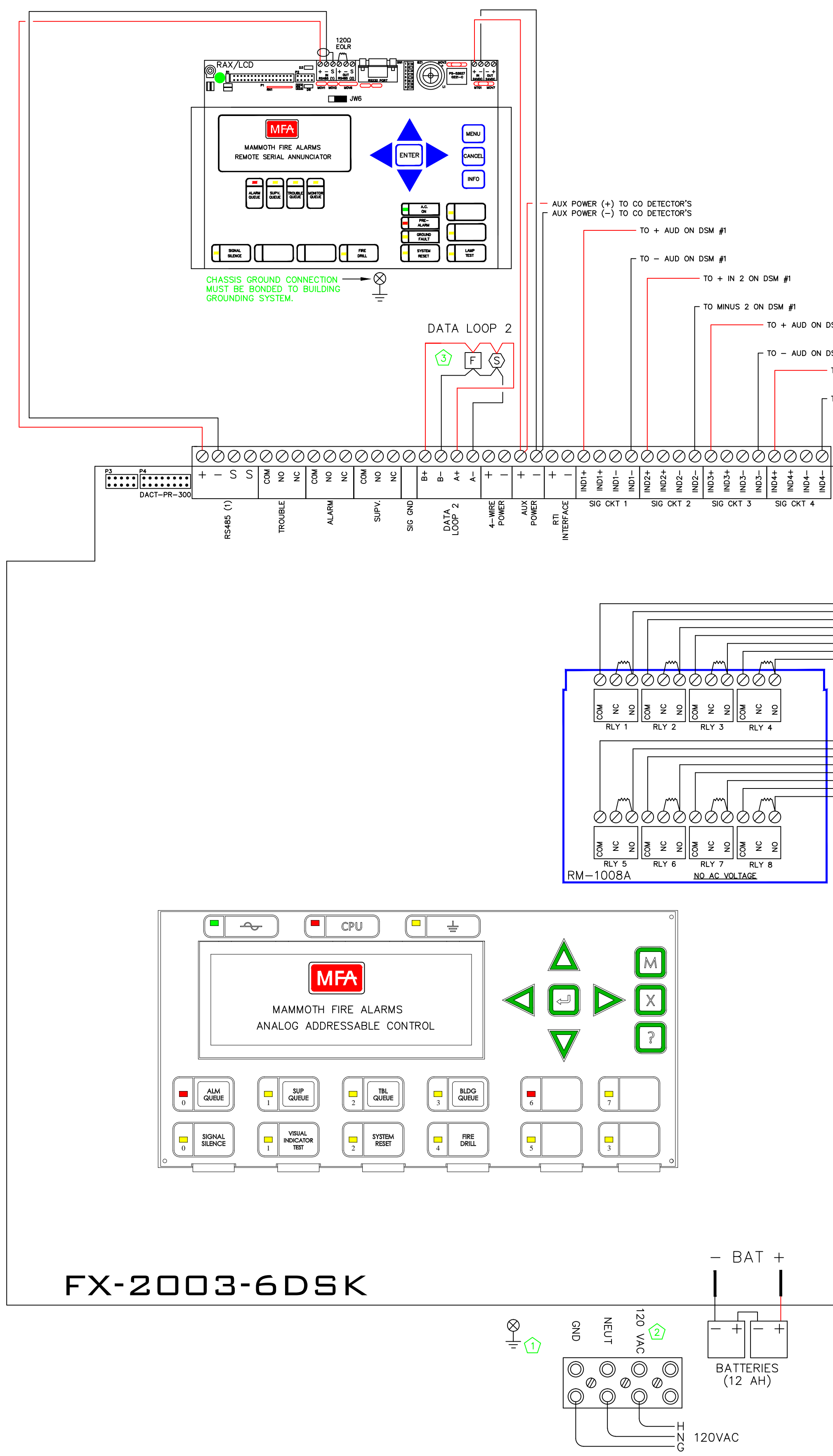
Corey Electric, Inc

609 Main Street Westbrook, Me. 04092

Drawing No.

243900

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FX-2003-6DSK

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Scale: None Approved By: Drawn By: RJW  
 Date: 9/8/17 Dave 9/14/17 Revised:

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 502 Deering Center  
 Portland, ME

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