



- NOTES:
- 1) ALL LOW VOLTAGE WIRING TO BE STANDARD, MULTI-CONDUCTOR COLOR CODED WITHOUT SPLICES.
  - 2) WIRING TO CONFORM TO APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL CODES.
  - 3) REFER TO SPECIFIC PRODUCT INSTALLATION INSTRUCTIONS FOR SPECIFIC WIRING REQUIREMENTS.
  - 4) THIS DRAWING IS FOR GRAPHICAL REPRESENTATION OF PRODUCTS DETAILED IN THE HARDWARE SET ONLY.
  - 5) \* CONDUCTOR COUNT TO BE DETERMINED BY ACCESS CONTROL PANEL PROVIDER.

**OPERATION:** SOFTWARE HOUSE apC/8X WILL SUPPORT UP TO EIGHT MAGNETIC AD LOCKS VIA A STAR COUPLER/RM4 COMBINATION. RM4 IS REQUIRED FOR MAG STRIPE READER USE. POINT TO POINT DRAWING SHOWS CONNECTIONS TO P7 OR READER 7 AND P13 OR READER 3 FOR CLARITY ONLY. MAY BE CONNECTED TO ANY PORTS SHOWN ON STAR COUPLER.

WIRING SHOWN REFLECTS CONNECTION FOR PIM400-TD2/PIB300-2D TO STAR COUPLER ONLY. ADDITIONAL WIRING WILL BE REQUIRED AND IS NOT SHOWN HERE.

\* SUPERVISED /UNSUPERVISED INPUTS CAN WIRE TO INPUTS ON RM4 OR STAR COUPLER OR apC/8X PANEL. CONFIGURATION AND REQUIRED CONNECTIONS WILL BE DETERMINED BY OTHERS.

\* \*\* RLBD IS REQUIRED WHEN CONTACTS MONITORED ARE TO BE SUPERVISED CONTACTS BUT WILL NOT BE REQUIRED FOR ALL INSTALLATIONS. RLBD REQUIRED FOR MAG STRIPE READER APPLICATIONS.

IF PLENUM RATED CABLE IS REQUIRED USE BELDEN 88104 OR EQUIVALENT

UL294 POWER SUPPLIES SHOULD NOT BOND EARTH GROUND TO SIGNAL GROUND.

NOTE: CONFIGURATION HAS NOT BEEN TESTED BY ALLEGION BUT HAS BEEN REVIEWED AND APPROVED BY SOFTWARE HOUSE.

DATE DRAWN: 09-21-12      REVISION DATE: 11-08-13      APPROVED BY: JORGE TEIXEIRA 5-17-13

**ALLEGION™**

TITLE: SOFTWARE HOUSE apC/8X, STAR COUPLER, RM4, PIB300-2D, PIM400-TD2 AND MAG READER 109566

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DWG NO: 912112S-3 SWHapC-8X  
DRAWN/CHECKED BY: BRENDA DOVE 09/14/11

REV  
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