



NOTES:
 1) ALL LVD 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:
 AVIGILON AC-MER-CONT-64DR WILL SUPPORT UP TO SIXTEEN PIM400-485 ACROSS TWO RS485 DATA LINES WITH NO MORE THAN EIGHT PIM400-485 PER RS485 DATA LINE. EACH PIM400-485 IS CAPABLE OF CONTROLLING UP TO SIXTEEN AD400 LOCKS. AC-MER-CONT-64DR CAN HANDLE UP TO SIXTY-FOUR AD400 LOCKS TOTAL.
 UL294 POWER SUPPLIES USED SHOULD NOT BOND EARTH GROUND TO SIGNAL GROUND.
 IF PLENUM RATED CABLE IS REQUIRED USE BELDEN 82842 OR EQUIVALENT.
 WIRING SHOWN REFLECTS WIRING FROM AC-MER-CONT-64DR TO PIM400-485 ONLY. ADDITIONAL WIRING WILL BE REQUIRED THAT IS NOT SHOWN HERE.
 SHIELD ON COMMUNICATION WIRES, BELDEN 3106A, SHOULD CONNECT TO EARTH GROUND AT ONE LOCATION ONLY. AC-MER-CONT-64DR NOTE: CONFIGURATION HAS NOT BEEN TESTED BY ALLEGION BUT HAS BEEN REVIEWED AND APPROVED BY AVIGILON

ALLEGION™

AVIGILON AC-MER-CONT-64DR WITH AD-400

TITLE: AVIGILON AC-MER-CONT-64DR WITH AD-400

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DWG NO: 110792

DRAWN/CHECKED BY: BRENDA DOVE

REV: B

DATE DRAWN	12-30-14	REVISION DATE	05-28-15	APPROVED BY	STEVEN LEWIS
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