



AD400 SHOWN AS DOOR 1.
 IF SECOND AD400 IS
 CONNECTED TO DOOR 2
 WILL USE INPUTS 3, 4, 7
 AND 8 FOR STATUS, RX,
 TROUBLE AND RTE AND
 OUTPUT 3 AND TB9 FOR
 WIEGAND CONNECTIONS.

- 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: MATRIX MERCURY EP-1502 WILL SUPPORT UP TO TWO PIM400-TD2 WITH UP TO TWO AD400 LOCKS EACH BUT NOT EXCEEDING TWO AD LOCKS PER EP-1502.
 UL294 POWER SUPPLIES USED SHOULD NOT BOND EARTH GROUND TO SIGNAL GROUND.
 IF PLENUM RATED CABLE IS REQUIRED USE BELDEN 82842 OR EQUIVALENT.
 SHIELD COMMUNICATION WIRES, BELDEN 9844 AND 3106A, SHOULD CONNECT TO EARTH GROUND AT ONE LOCATION ONLY, TYPICALLY EP-2500 OR EP-1502.
 NOTE: CONFIGURATION HAS NOT BEEN TESTED BY ALLEGION BUT HAS BEEN REVIEWED AND APPROVED BY MATRIX

DATE DRAWN: 11-13-12 REVISION DATE: 11-05-13 APPROVED BY: Walter Helms 4-25-13



TITLE: MATRIX EP-1502 WITH PIM400-TD2/AD400 109526

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 DRAWN/CHECKED BY: BRENDA DOVE 11-13-12