



NOTES:  
 1) ALL LOW VOLTAGE WIRING TO BE STANDARD, MULTI-CONDUCTOR CORD 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:** BLACKBOARD SA3000 SYSTEM WILL SUPPORT ANY COMBINATION OF UP TO EIGHT WIRELESS AD400 OR WRIS OR AD300 OR WPR400'S OR WSMA400 DISTRIBUTED OVER UP TO EIGHT PIM400-485'S.  
 IF PLENUM RATED CABLE IS REQUIRED USE BELDEN 88103 OR EQUIVALENT.  
 UL 294 POWER SUPPLIES USED SHOULD NOT BOND EARTH GROUND TO SIGNAL GROUND.  
 WIRING SHOWN REFLECTS WIRING FROM SA3000 TO PIM400-485 AND AD-300 ONLY. ADDITIONAL WIRING IS REQUIRED THAT WILL NOT BE SHOWN HERE.  
 GROUND SHIELD ON BELDEN 9843 RS485 LINE AT ONE LOCATION ONLY.  
 NOTE: CONFIGURATION HAS NOT BEEN TESTED BY ALLEGION BUT HAS BEEN REVIEWED AND APPROVED BY BLACKBOARD

TITLE: **BLACKBOARD SA3000 WITH PIM400-485/AD400 AND AD-300**

**ALLEGION™**

DATE DRAWN: 02-20-15    REVISION DATE: 02-20-15    APPROVED BY: DAN DREWNOWSKI

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