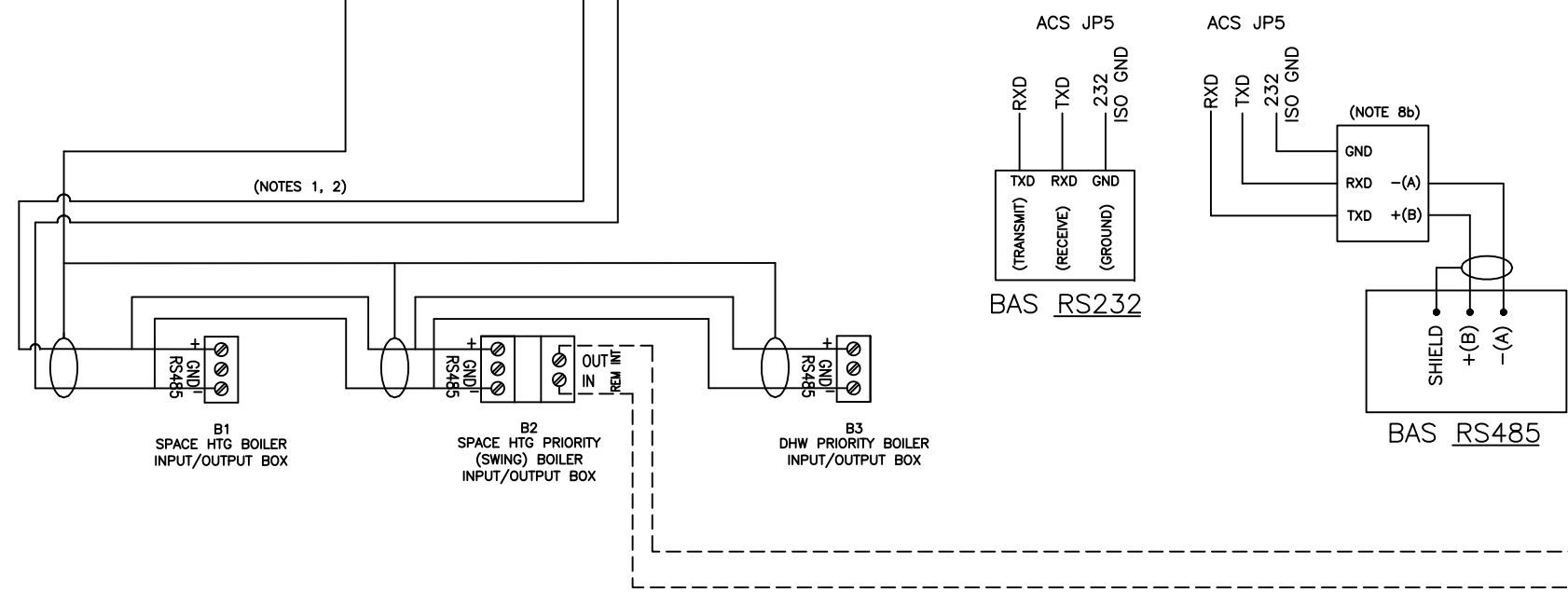


BUILDING AUTOMATION SYSTEM (BAS) WIRING



- NOTES
1. WIRING TO BE SHIELDED TWISTED PAIR CABLE (BELDEN 9841 OR EQUIVALENT).
 2. TERMINATE SHIELDS AT THE SOURCES ONLY, DO NOT CONNECT AT THE BOILERS.
 3. OUTDOOR AIR SENSOR IS USED ONLY FOR INDOOR/OUTDOOR RESET APPLICATIONS.
 4. SEE COMBINATION HEATING/DOMESTIC WATER HEATING APPLICATIONS GUIDE TAG-0050 FOR COMPLETE APPLICATION DETAILS.
 5. FOR APPLICATIONS WITH SWING BOILER, SEE SD-A-797 AND SD-A-880 FOR ASSOCIATED PIPING DIAGRAMS.
 6. FOR APPLICATIONS WITHOUT SWING BOILER, SEE SD-A-798 AND SD-A-881 FOR ASSOCIATED PIPING DIAGRAMS.
 7. VALVE OPEN END SWITCHES ASSURE THERE IS WATER FLOW THROUGH B2 WHENEVER IT IS CALLED TO FIRE (VIA RELAY BOX BLR INTLK-B2 REM INT CONNECTION). UP TO FOUR SWING BOILERS CAN BE ASSIGNED.
 8. ACS COMMUNICATES WITH BUILDING AUTOMATION SYSTEM (BAS) VIA RS232.
 - a. FOR BAS WITH RS232 COMMUNICATIONS, CONNECT THE BAS TRANSMIT (TXD) TO THE ACS RECEIVE (RXD) TERMINAL; CONNECT THE BAS RXD TERMINAL TO THE ACS TXD TERMINAL; CONNECT BAS GND TO ACS GND.
 - b. FOR BAS WITH RS485 COMMUNICATIONS, USE AN RS232/RS485 CONVERTER (AERCO P/N 124943) BETWEEN THE ACS AND BAS. FOLLOW WIRING INSTRUCTIONS SUPPLIED WITH P/N 124943.
 9. SEE ACS MANUAL GF-131 FOR AVAILABLE METHODS OF ACTIVATING THE BIAS AND TERMINATION OF THE RS485 LOOP.
 10. V1, V2, AND COMBINATION SYSTEM PUMP RELAYS ARE DRY (UNPOWERED) CONTACTS. APPROPRIATE LINE VOLTAGE MUST BE SUPPLIED TO THE "COM" TERMINALS.

LEGEND:
 ----- DASHED LINES APPLY ONLY TO APPLICATIONS WITH BLDG PRIORITY (SWING) BOILERS. (SEE NOTE 5)

AERCO INTERNATIONAL, INC.
 NORTHVALE, NJ 07647

ACS WIRING DIAGRAM (C-More SYSTEMS)
 DHW PRIORITY + BLDG PRIORITY (SWING)
 BOILERS

DOWN BY <u>CZ</u> DATE <u>010612</u>	REV.
SCALE <u>NTS</u>	SD-A-885 A
APPD. _____ DATE _____	