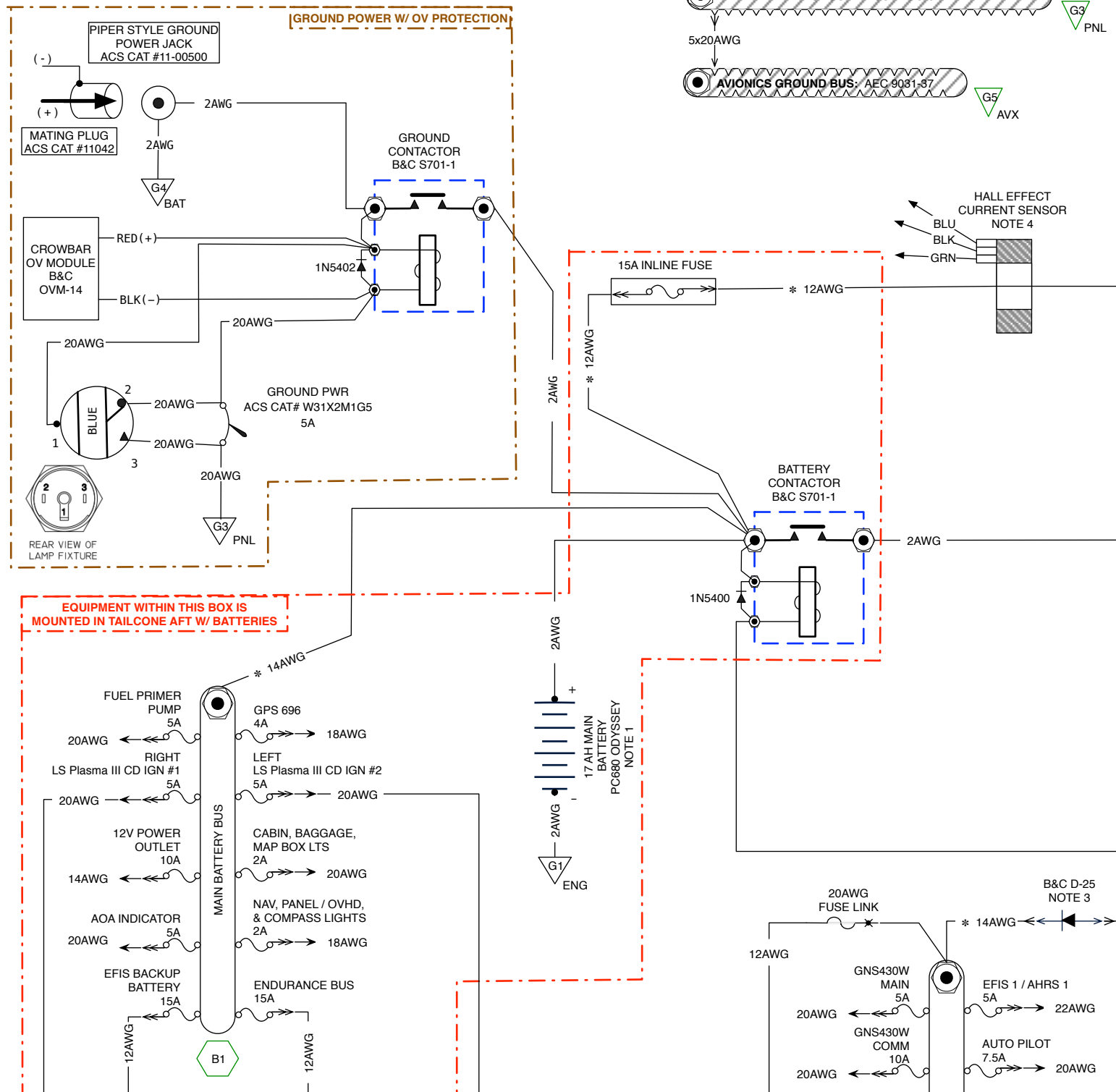
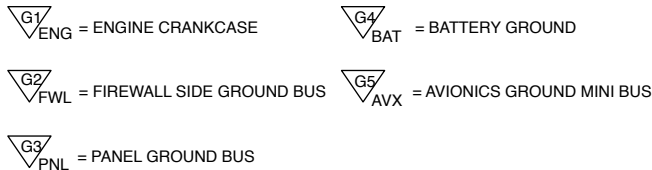
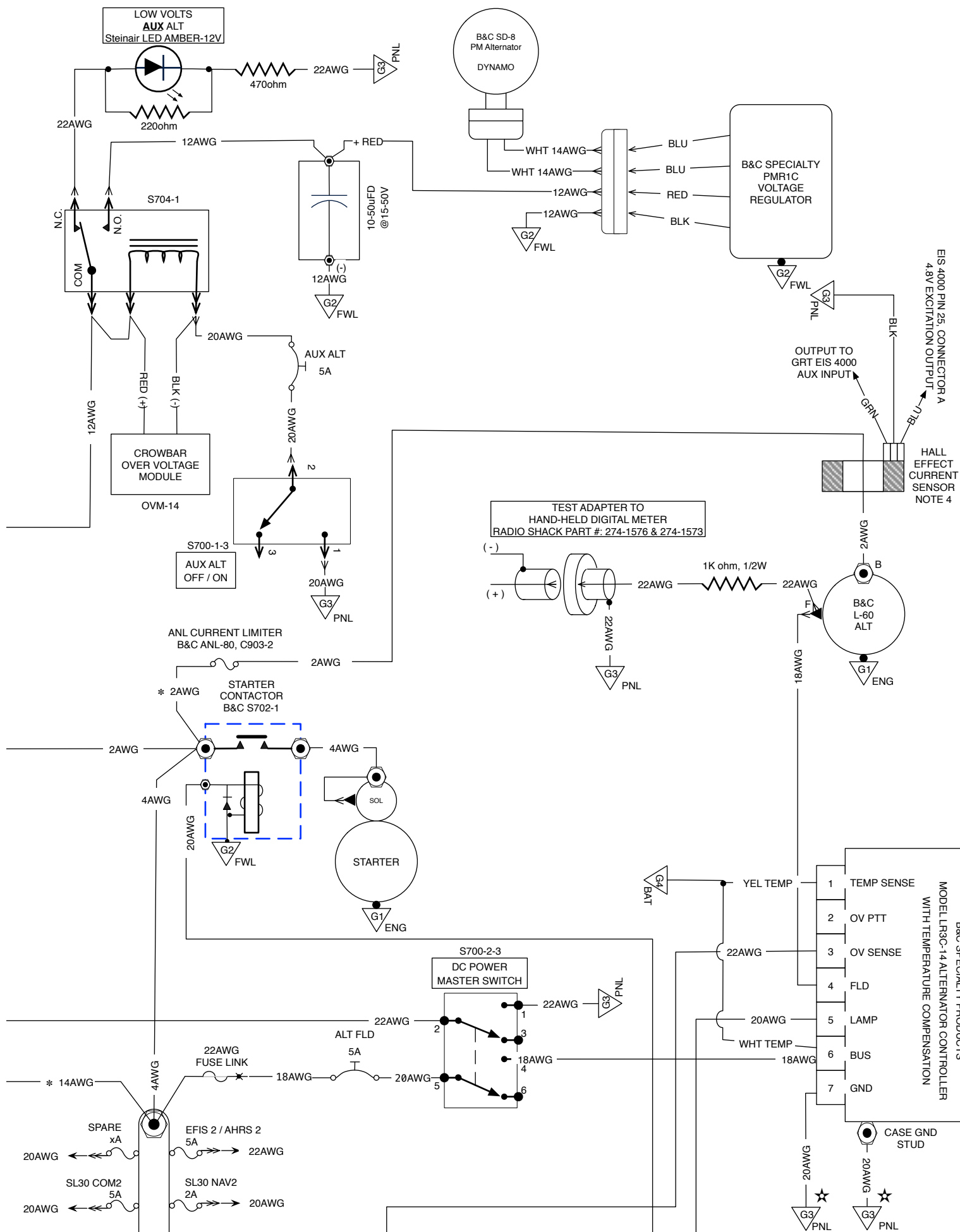


NOTES:

- 1) USING PC680 ODYSSEY 17AH BATTERY. DUE TO W&B NEEDS THE BATTERIES ARE LOCATED IN TAIL CONE **12 FT AFT OF FIREWALL**.
- 2) WIRES MARKED (*) TO BE AS SHORT AS PRACTICAL. 6-INCHES LONG IS IDEAL, 12-INCHES LONG MAX.
- 3) WIRES MARKED (**) USE 20AWG STRANDED SINGLE CONDUCTOR SHIELDED.
- 4) B&C SPECIALTY ENDURANCE BUS DIODE PART # D-25, MOUNTED ONTO ALUMINUM ELECTRICAL ACCESSORY PANEL / COPILOT SIDE.
- 5) USING GRT HALL EFFECT CURRENT SENSORS. WIRE IN WHICH CURRENT IS SENSED IS FED THRU OPPOSITE SIDE OF HES WIRE CONNECTOR.
- 6) STARTER IS A PMG TYPE SKYTEC FLYWEIGHT PART # 149-12LS, WITH HIGH TORQUE BUT ALSO HIGH CURRENT DRAW DURING START.
- 7) GRAND RAPIDS TECHNOLOGIES BACKUP BATTERY (2.2 Ah). POWER OUT IS 7A CONTINUOUS FOR ALL 3 OUTPUTS. CHARGE RATE IS MONITORED VIA PIN 4 AND EIS 4000 AUXILIARY INPUT.

GROUND LOCATION KEY





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- The diagram illustrates the electrical connections for the EIS system. Key components and their connections include:
- EIS Unit:** Features terminals for SC5 CLOCK (5A), PITCH TRIM (2A), SPARE (xA), SPARE (xA), and SPARE (xA). It also has a 20AWG line for FUEL XFR & CARB AIR TEMP (5A) and a 16AWG line for SPARE (xA). The EIS 4000 (5A) is connected to a 22AWG line.
 - 2.2 AH GRT POWER-SAFE BACKUP BATTERY (3 lbs) w/ MONITOR OUTPUT NOTE 7:** A 9-pin connector with terminals 1 through 9. Terminal 1 is connected to the EIS AUX INPUT. Terminal 2 is connected to the CHG RATE MONITOR OUTPUT. Terminal 3 is connected to the 1N4001 diode. Terminal 4 is connected to the 12AWG line. Terminal 5 is connected to the 12AWG line. Terminal 6 is connected to the 12AWG line. Terminal 7 is connected to the 12AWG line. Terminal 8 is connected to the 12AWG line. Terminal 9 is connected to the 12AWG line.
 - S704-1 E-BUS ALTERNATE FEED RELAY:** A relay with a 1N4001 diode connected to its coil. The relay has a COM terminal connected to the 12AWG line, an N.C. terminal connected to the 12AWG line, and an N.O. terminal connected to the 12AWG line.
 - S700-1-3 EBUS ALTERNATE FEED OFF / ON:** A switch with three positions: 1 (OFF), 2 (ON), and 3 (ON). The switch is connected to the 12AWG line.
 - S700-1-3 AUX BATTERY OFF / ON:** A switch with three positions: 1 (OFF), 2 (ON), and 3 (ON). The switch is connected to the 12AWG line.
 - 15A INLINE FUSE:** A fuse connected in series with the 12AWG line.
 - 1N4001:** A diode connected between the backup battery and the relay.
 - Terminations:** The 12AWG line is terminated at the EIS unit, the backup battery, the relay, the switch, and the fuse.

