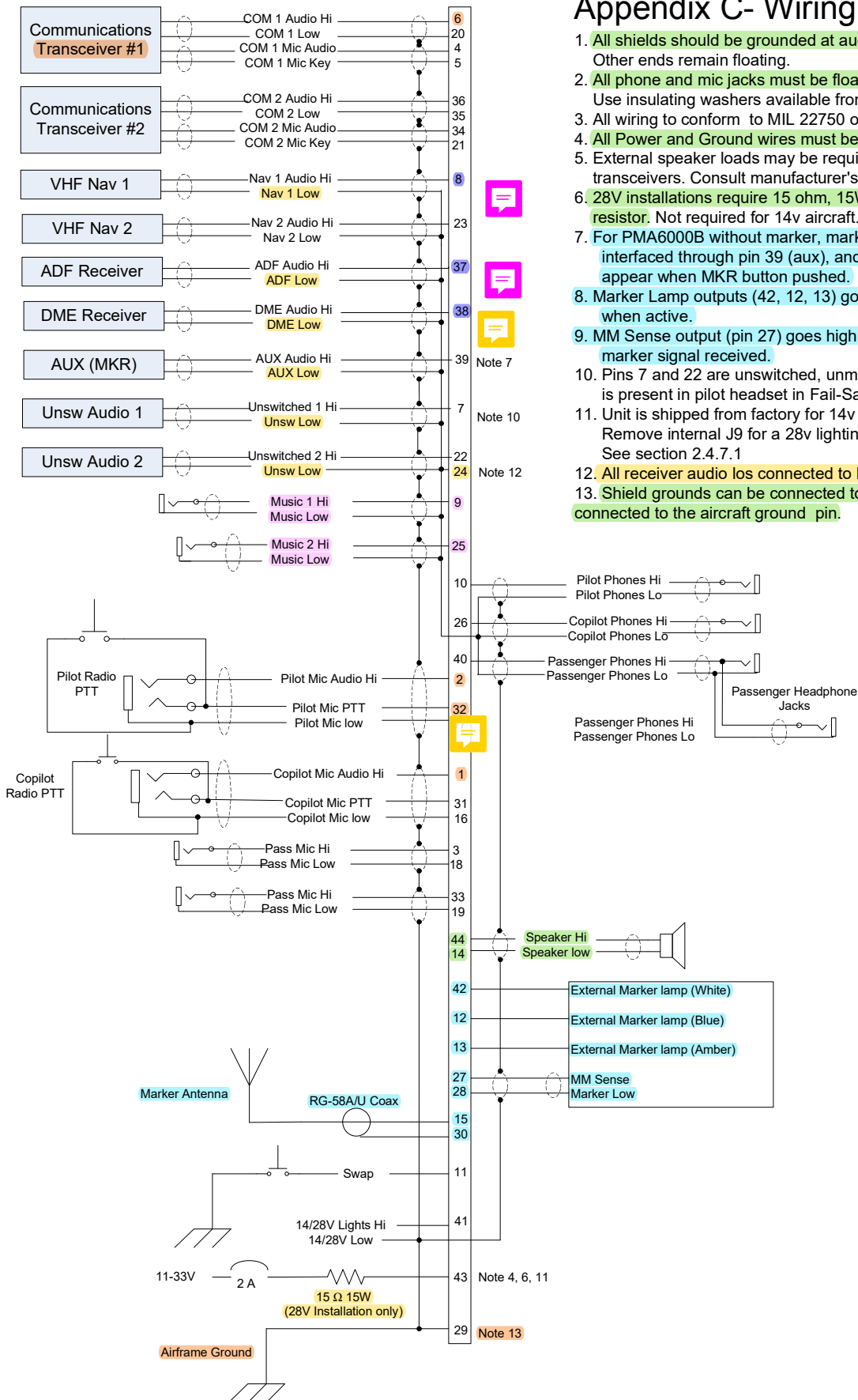




Appendix C- Wiring Diagram

1. All shields should be grounded at audio panel only. Other ends remain floating.
2. All phone and mic jacks must be floating from ground. Use insulating washers available from PS Engineering.
3. All wiring to conform to MIL 22750 or 27500.
4. All Power and Ground wires must be #22 gage wire.
5. External speaker loads may be required on some transceivers. Consult manufacturer's information.
6. 28V installations require 15 ohm, 15W dropping resistor. Not required for 14v aircraft.
7. For PMA6000B without marker, marker audio can be interfaced through pin 39 (aux), and will appear when MKR button pushed.
8. Marker Lamp outputs (42, 12, 13) go to +7 VDC, +/- 4VDC when active.
9. MM Sense output (pin 27) goes high when middle marker signal received.
10. Pins 7 and 22 are unswitched, unmuted input. Pin 7 is present in pilot headset in Fail-Safe.
11. Unit is shipped from factory for 14v lights. Remove internal J9 for a 28v lighting bus. See section 2.4.7.1
12. All receiver audio los connected to Pin 24
13. Shield grounds can be connected to the solder lug, and lug connected to the aircraft ground pin.