NOTES:

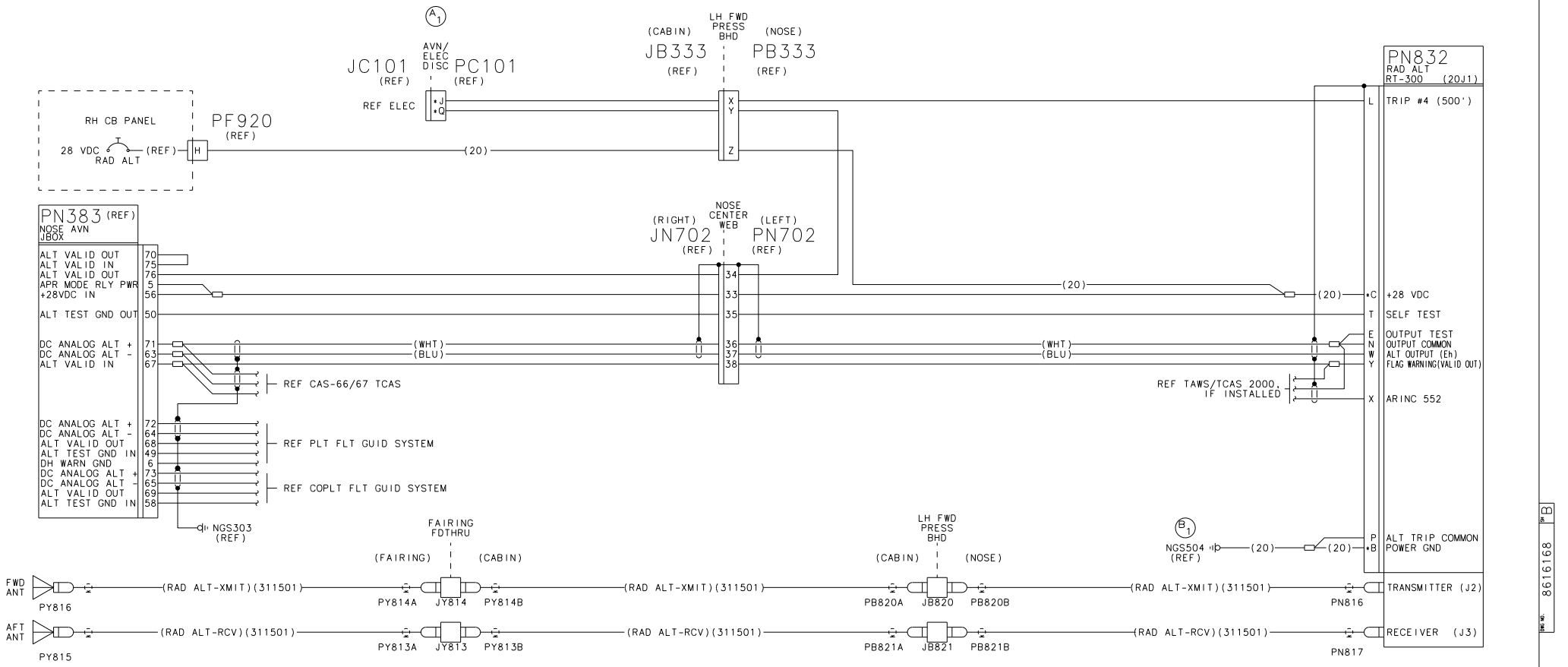
1. THIS DWG FILED IN CCD.
2. UNSHIELDED WIRE SHALL BE PER M81044/12-XX-9 TWO CONDUCTOR SHIELDED WIRE PER M27500-XXML2T08 (22 AWG, EXCEPT AS NOTED)
3. FOR GND BLOCK/STUD LOCATIONS, REFER TO THE GND BLOCK/STUD INSTL DWG CALLED OUT ON THE AVIONICS INSTL KIT.
4. AN ASTERISK PRECEDING A LETTER INDICATES LOWER CASE.
5. THE AA-300 PROVIDES TWO SEPARATE OUTPUTS. THE PRIMARY "PRECISION" OUTPUT PROVIDES ANALOG ALTIMETER INFORMATION IN "SPERRY -4mV/ft" FORMAT, AND IS AVAILABLE ON PINS W & N. THE "AUXILIARY" OUTPUT PROVIDES ANALOG ALTITUDE INFORMATION IN "ARINC 552" FORMAT, AND IS AVAILABLE ON PINS X & W. REFER TO THE AA-300 RADIO ALTIMETER SYSTEM FUNCTIONAL TEST FOR A GRAPHICAL REPRESENTATION OF THESE ALTITUDE/VOLTAGE CURVES.

6. ZERO HEIGHT ADJUSTMENT PROCEDURE

THE ZERO HEIGHT ADJUSTMENT IS ACCOMPLISHED WITH THE UNIT OPERATING AND ALL ELECTRICAL CONNECTIONS MADE. PERFORM THE FOLLOWING STEPS:

- APPLY SYSTEM POWER.
- ALLOW TWO MINUTES FOR THE RADIO ALTIMETER TO STABILIZE, AND THEN USE THE ZERO HEIGHT ADJUSTMENT ON THE FRONT OF THE RAD ALT R/T TO ADJUST THE GROUND LEVEL ALTITUDE TO ZERO FEET, IF NECESSARY.
  - A CURSORY ADJUSTMENT MAY BE PERFORMED BY TURNING THE ADJUSTMENT POTENTIOMETER UNTIL ONE PFD REPORTS ZERO HEIGHT ON GROUND. IF BOTH PFDS DO NOT REPORT ZERO, THE ZERO HEIGHT MAY BE TWEAKED AS FOLLOWS:
  - NOTE THE DIFFERENCE IN ALTITUDE BETWEEN THE TWO PFDS. TURN THE ADJUSTMENT POT THROUGH ZERO UNTIL AN EQUAL BUT OPPOSITE ALTITUDE HAS BEEN REACHED. DIVIDE THE NUMBER OF TURNS BY TWO, THEN TURN THE ADJUSTMENT POT THE OTHER WAY TO ZERO THE RAD ALT.
- PRESS AND HOLD THE TEST KNOB ON THE DC-550 DISPLAY CONTROLLER. THE RA EFIS DISPLAY VALUE SHALL INDICATE 100' ±10'.

REVISIONS				
SHEET	REV	DESCRIPTION	DATE	APPROVED
1	A	BY REVISION: 1)JC/PC101 WAS JC/PC005. EFF: EC52743	6/16/03 CGS	SEE SIGNATURE SHEET
1	B	BY REVISION: 1)NGS504 WAS NGS502. EFF: EC 54300	04/07/04 MAM	SEE SIGNATURE SHEET



DATE	5/15/2003
DRAWN	GARY SCHWEIZER
GROUP	
CHECK	
SECT	
PROJ	
M.E.	
OTHER	
.	
FABRICATE PER CSAM005	
PROCESS PER XXXXXXXXXXXX	
WIRE TERMINATION PER CES2716	

CESSNA AIRCRAFT COMPANY
AIRCRAFT DIVISION
P.O. BOX 7704
WICHITA, KANSAS 67277

CABLE ASSY- RADIO ALTIMETER W/TAWS (AA-300)

SIZE F | FSCM NO. 71379 | DWG NO. 8616168

SCALE:NONE | PARENT: 8616157 | SHEET 1 OF 1

CES FORM 1872

DWG NO. 8616168 REV B

EC52743