NOTES:

1. THIS DWG IS FILED IN CCD.
2. ALL WIRES TO BE PER MIL-W-81044/12-XX-9 (XX - 22 AWG, UNLESS OTHERWISE NOTED) TWISTED PAIR PER M27500-XXML2U09 SHIELDED PAIR PER M27500-XXML2T08
3. AN ASTERISK INDICATES LOWER CASE.

<1> ARTEX AIRCRAFT SUPPLIES INC., CANBY, OR

<2> REFER TO 9102002 FOR GROUND BLOCK/STUD LOCATION.

<3> CONNECTORS FURNISHED AS PART OF ELT 110-406 INSTALLATION KIT P/N 455-7421 <4A>

7 BLOCK HARDWARE AS REQ:
M7928/1-15 TERMINAL
M81824/1-1 SPLICE
52974-* SHIELD TERMINATION

<5> AFFIX CM2887-3 ID TAG NEAR CONNECTOR.

<6> PART OF ELT/NAV INTERFACE INSTALLATION KIT P/N 455-0650 <4A>

<10> ELT AND NAV INTERFACE UNIT MUST BE LOCATED WITHIN 3 FEET OF EACH OTHER DUE TO THE TTL SIGNAL LEVELS EMPLOYED.

<11> PT513 IS LOCATED INSIDE ELT HOUSING, THEREFORE, FEED WIRE BUNDLE THROUGH ELT MOUNTING FRAME CAP HOLE PRIOR TO INSERTING PINS INTO MOLEX CONNECTOR.

<12> MODE-S ADDRESS BOX TO NAV INTERFACE UNIT WIRE LENGTH MUST BE KEPT TO A MINIMUM.

<13> ITT CANNON, SANTA ANA, CA

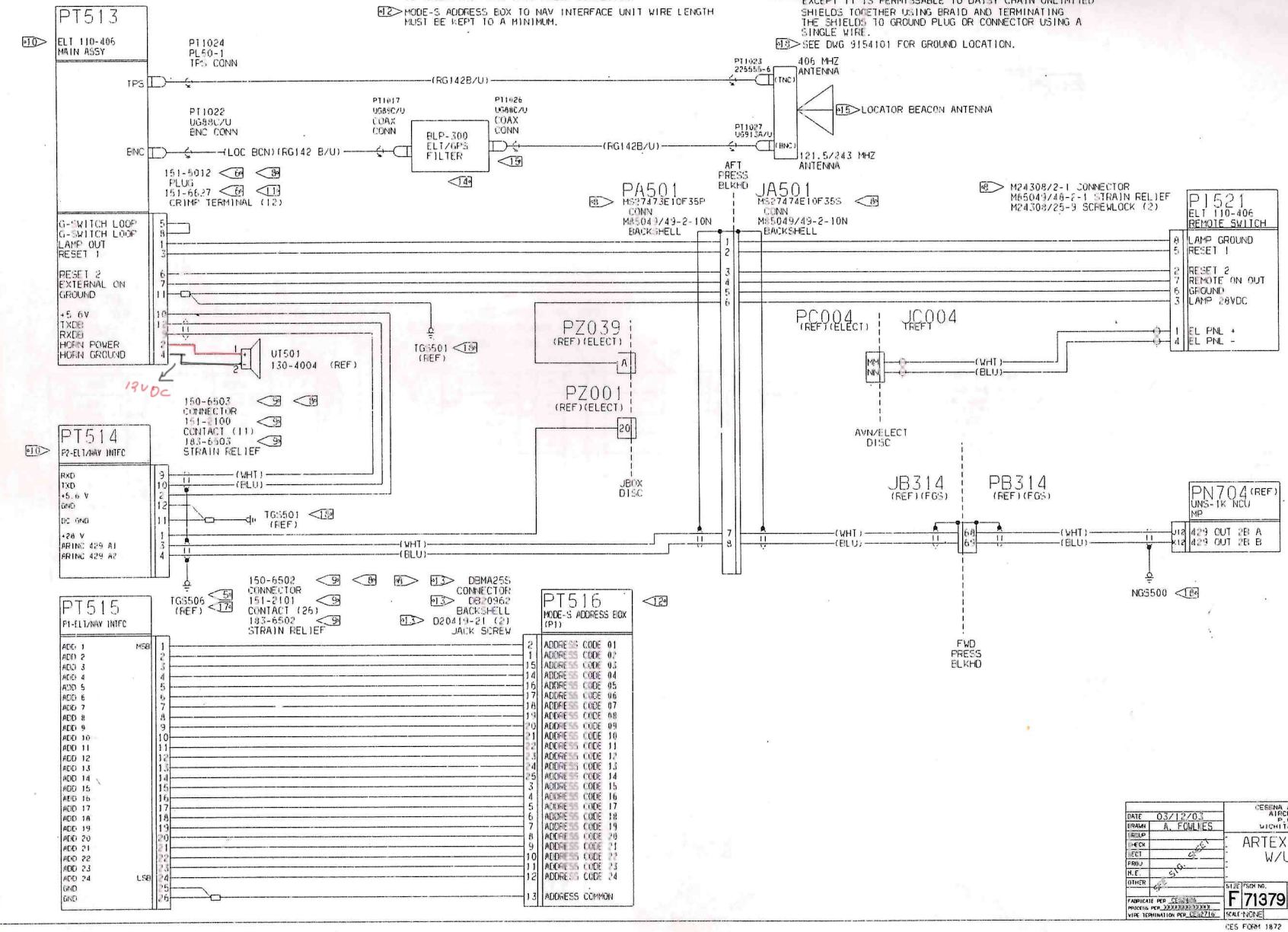
<14> SEE DWG 9102002 FOR LOCATION OF FILTER. LEAD FROM FILTER TO ELT SHALL NOT BE LONGER THAN 15 INCHES

<15> ELT COAX TO BE INSTALLED SO THAT A SLACK LOOP IS PRESENT AT THE ANTENNA AND ELT MOUNT END.

16 ALL WIRING SHALL CONFORM TO CSAM012 SECTION ON "HIGH INTENSITY RADIATED FIELDS (HIRF) AND INDIRECT EFFECTS OF LIGHTNING (IEL) SHIELD TERMINATION" FOR HIRF AND LIGHTNING REQUIREMENTS EXCEPT AS NOTED

<17> WIRING SHALL CONFORM TO CSAM012 SECTION ON "HIGH INTENSITY RADIATED FIELDS (HIRF) AND INDIRECT EFFECTS OF LIGHTNING (IEL) SHIELD TERMINATION" FOR HIRF AND LIGHTNING REQUIREMENTS EXCEPT IT IS PERMISSABLE TO DAISY CHAIN UNLIMITED SHIELDS TOGETHER USING BRAID AND TERMINATING THE SHIELDS TO GROUND PLUG OR CONNECTOR USING A SINGLE WIRE.

<18> SEE DWG 9154101 FOR GROUND LOCATION.



DATE	03/12/03
DRAWN	A. FOWLIES
GROUP	
CHECK	
SECT	
PROJ	
M.E.	
OTHER	

FABRICATE PER CS-2870
PROCESS PER XXXXXXXXXXXXX
WIRE TERMINATION PER CS-2716

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

ARTEX ELT C406-2 W/UNS-1 C/A (525A)

SIZE F | FSCM NO. 71379 | DWG NO. 9102122 | SCALE NONE | SHEET 1 OF 1

9102122

CES FORM 1872