

87654321

REVDESCRIPTIONDATE

AINITIAL RELEASE09-09-2021

BREVISED TO GSU 75H AND ITEM 13 P/N30-11-2021

Ccreated -013 CONFIG WITHOUT DME AND WITH OAT PROBE DISCONNECT. UPDATED BOM.16-12-2022

19

2	--	46	011-04205-00	CONNECTOR KIT	GARMIN
2	--	45	011-04201-00	GMU 44B MAGNETOMETER	GARMIN
8	--	44	60617-1	SOCKETS 24/18 BRASS/TIN	EDMO
2	--	43	1-480424-0	MATE'N'LOCK 4 SOCKET CONNECTOR	EDMO
8	--	42	60618-1	PINS 24/18 BRASS/TIN	EDMO
2	--	41	1-480426-0	MATE'N'LOCK 4 PIN CONNECTOR	EDMO
1	1	40	010-01476-47	HSVT ENABLEMENT SD CARD	GARMIN
1	1	39	010-03716-4J	METRIC PFD ENABLEMENT SD CARD	GARMIN
1	1	38	010-01477-4A	RAD ALT ENABLEMENT SD CARD	GARMIN
1	1	37	010-03716-33	HELICOPTER ENABLEMENT SD CARD	GARMIN
1	1	36	010-00769-60	INSTALLER ENABLEMENT SD CARD	GARMIN
1	1	35	MS3476W12-10PW	CONNECTOR, PLUG	MIL SPEC
AR (20)	AR (20)	34	M39029/5-115	CONTACT, SOCKET	MIL SPEC
-013 QTY	-011 QTY	ITEM	PART NUMBER	DESCRIPTION	REMARKS
BILL OF MATERIALS					

NOTES:

NEW WIRE / UNIT

EXISTING WIRE / UNIT

1. PERFORM ALL WORK IN ACCORDANCE WITH BELL HELICOPTER STANDARD PRACTICES MANUAL BHT-ELEC-SPM.

2. ALL NEW UNSHIELDED WIRE USE M22759/41-(XX)-9 OR EQUIVALENT TYPE WIRE. (M22759/41-(XX)-9 IS NOT INTENDED TO BE USED IN SOLDER APPLICATIONS, SOLDERABILITY CAN BE ACHIEVED WITH THE PROPER SOLDER. USE CRIMP SPLICES FOR REPAIR). ALL WIRES 22 AWG UNLESS OTHERWISE SPECIFIED BY WIRE CODE. ALL JUMPERS TO BE LESS THAN 6 INCHES.

3. ALL NEW SHIELDED WIRE USE M27500-(XX)SM(X)N23 OR EQUIVALENT TYPE WIRE. (M27500-(XX)SM(X)N23 IS NOT INTENDED TO BE USED IN SOLDER APPLICATIONS, SOLDERABILITY CAN BE ACHIEVED WITH THE PROPER SOLDER. USE CRIMP SPLICES FOR REPAIR). SOLDER SLEEVES SHALL USE SN96 SOLDER, USE P/N S200-X-00 OR EQUIVALENT.

4. ALL SHIELD TERMINATIONS SHALL BE INSTALLED PER MIL-S-83519 OR EQUIVALENT. SHIELD TERMINATIONS SHOWN AS "DAISY-CHAINED" ARE FOR DRAWING CLARITY ONLY. INDIVIDUAL SHIELD EXTENSIONS SHALL BE SPLICED AT A COMMON TIE POINT TO THE TERMINATING WIRES. THE BACK SHELL OR AIRFRAME GROUND MAY BE USED.

5. ALL AIRFRAME GROUNDS SHALL BE VIA AMP LUG OR GROUNDING BLOCK AND PROVIDE SEPARATE GROUND STUD LOCATIONS FOR DC POWER GROUNDS, AC POWER GROUNDS, CHASSIS GROUNDS, SIGNAL GROUNDS AND SHIELD GROUNDS.

6. ALL EQUIPMENT BONDING TO ADJACENT AIRFRAME STRUCTURE TO BE 0.003 OHM OR LESS. ALL ELECTRICAL GROUNDING AND BONDING TO BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF BHT-ELEC-SPM CHAPTER 8.

7. ALL TERMINALS TO BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF BHT-ELEC-SPM CHAPTER 4 PARAGRAPH 4-9.

8. ALL CONNECTORS TO BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF BHT-ELEC-SPM CHAPTER 5 AND / OR CIRCULAR CONNECTOR INSTALLATION INSTRUCTIONS (GARMIN DOCUMENT 190-00313-12). ENSURE ALL UNUSED CONNECTOR CONTACTS ARE FILLED WITH SPARE PINS/sockets OR PLASTIC GROMMET SEALING PLUGS. ENSURE ALL BULKHEAD MOUNTED CONNECTORS ARE PROPERLY BONDED TO AIRFRAME.

9. ENSURE ALL SWITCHES, CIRCUIT BREAKERS, AND REMOTE MOUNTED BOXES ARE LABELED WITH A CONSISTENT SIZE, FONT, COLOR, BACKGROUND AND ARE ILLUMINATED CONSISTENT AS EXISTING LABELS.

10. ROUTE ALL WIRES AND CABLES WITH EXISTING WIRE ROUTES WHERE POSSIBLE AND CLAMP IN ACCORDANCE WITH THE LATEST REVISION OF BHT-ELEC-SPM CHAPTER 6. WIRES MUST BE ROUTED WITH A MINIMUM OF 7 INCHES OF SEPARATION FROM OXYGEN AND FLUID LINES (MIN 2 INCHES IF WIRES IN CONDUIT).

11. INSTALL SYSTEM IN ACCORDANCE WITH THE LATEST REVISION OF THE MANUFACTURERS INSTALLATION MANUAL.

12. LOWERCASE LETTER CONNECTOR PIN DESIGNATORS ARE SHOWN AS UNDERLINED UPPERCASE LETTERS.

13. INCLUDED IN KIT PN: 011-03527-00.

14. INCLUDED IN KIT PN: 011-04038-00.

15. INCLUDED IN KIT PN: 011-03109-00.

16. INCLUDED IN KIT PN: 011-00871-00.

17. POWER WIRES NOT TO EXCEED 20 FT.

18. POWER WIRES NOT TO EXCEED 30 FT.

19. INCLUDED IN KIT PN 011-04201-00.

THIS DRAWING IS UNCONTROLLED UNLESS OPENED DIRECTLY FROM ECML'S CONTROLLED REPOSITORY

PREPARED

REVIEWED

RELEASED

SCALE:

TITLE:

WIRING DIAGRAM
GARMIN G500 TXI
BELL 212

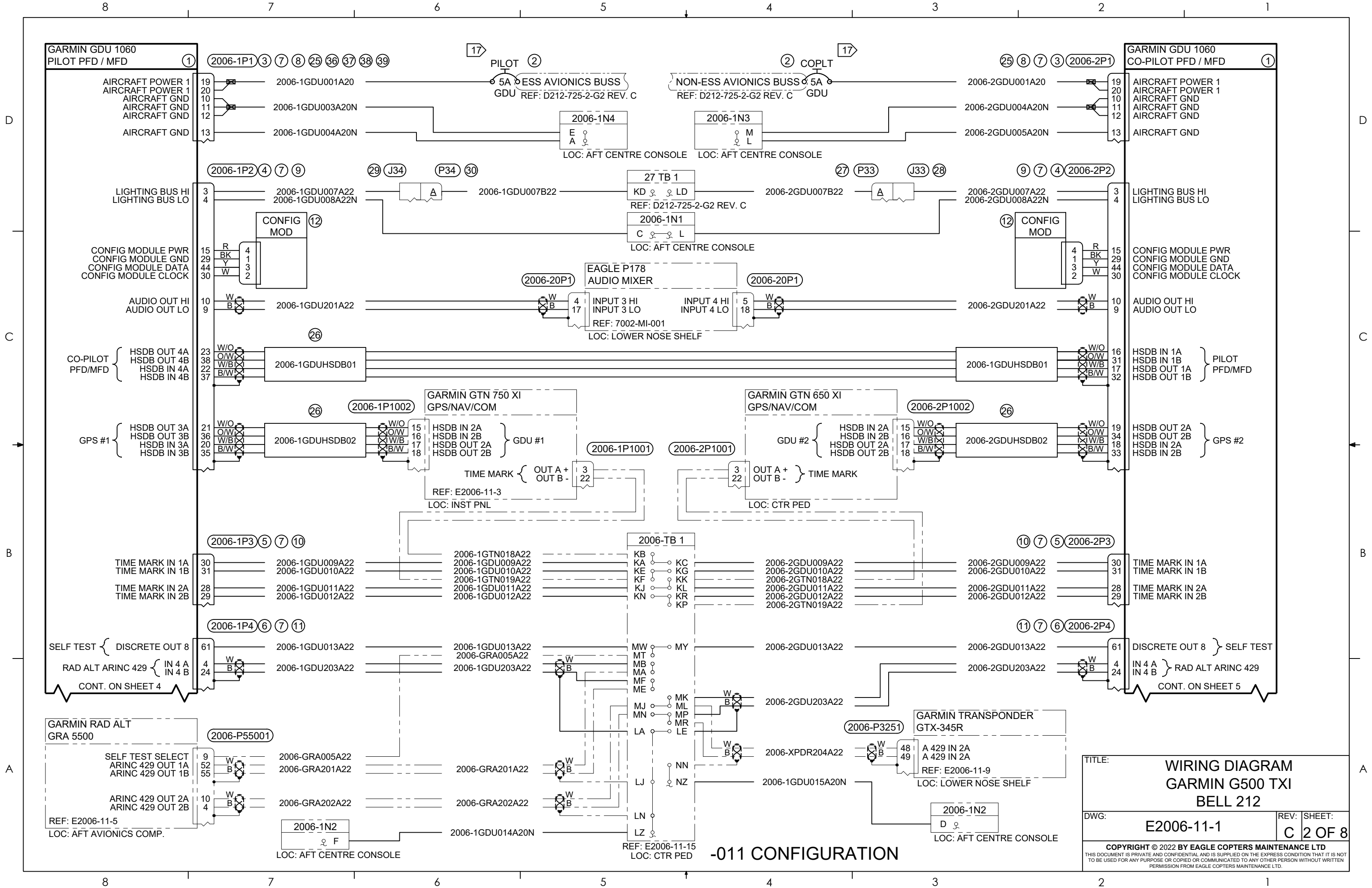
DWG:
E2006-11-1

REV:
C

SHEET:
1 OF 8



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-011 CONFIGURATION

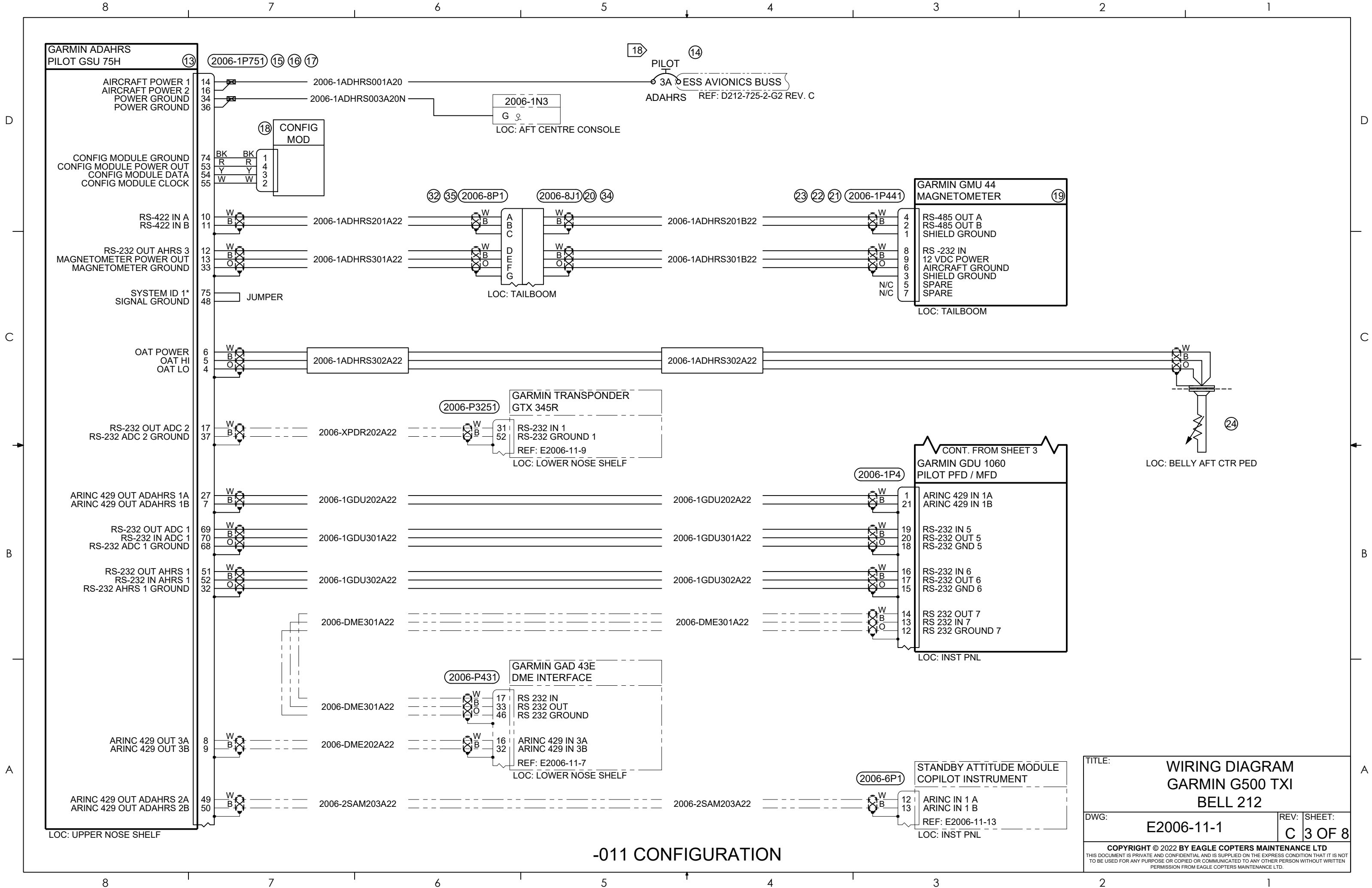
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GARMIN G500 TXI
BELL 212**

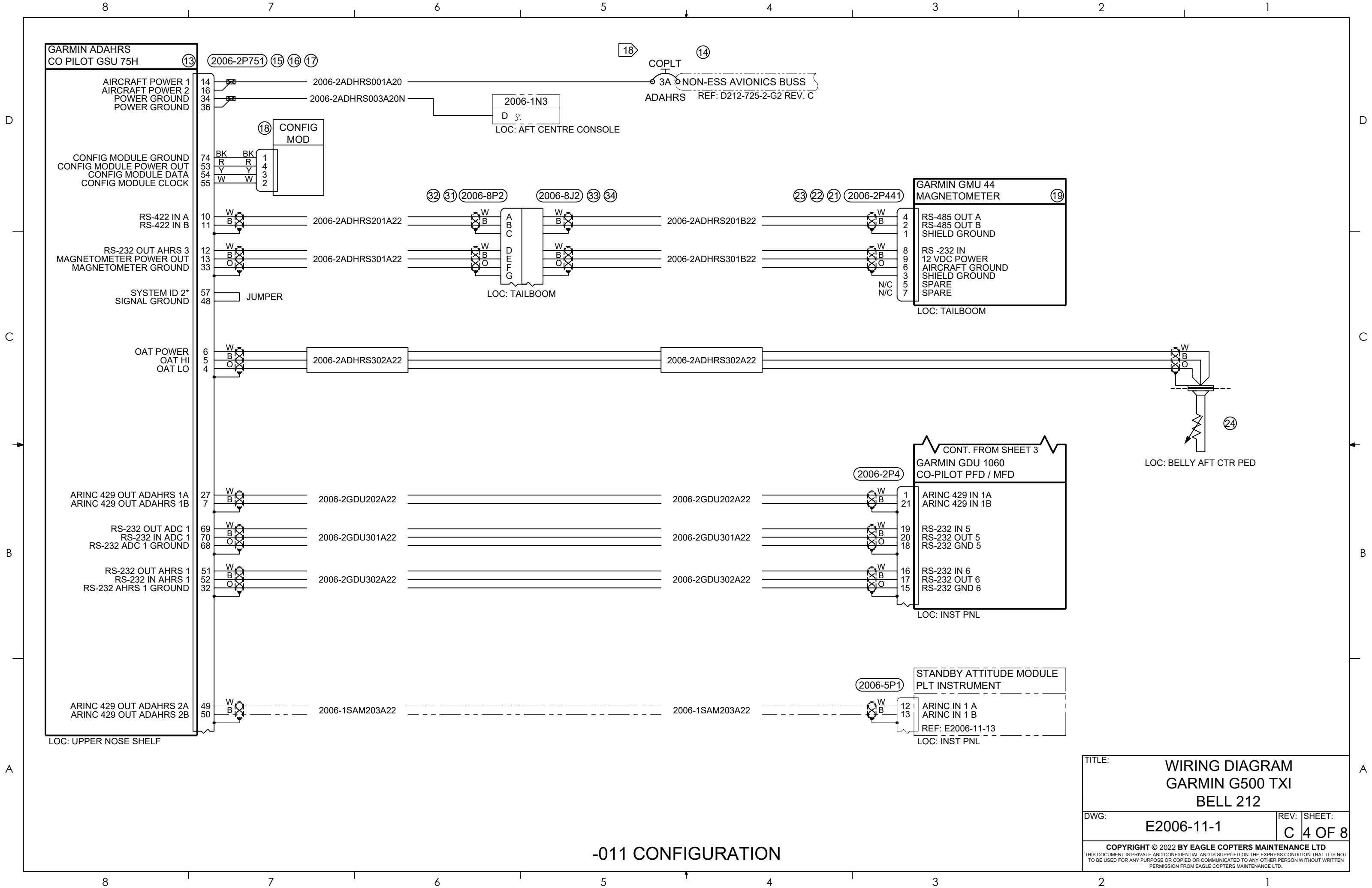
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E2006-11-1

REV:
C

SHEET:
2 OF 8

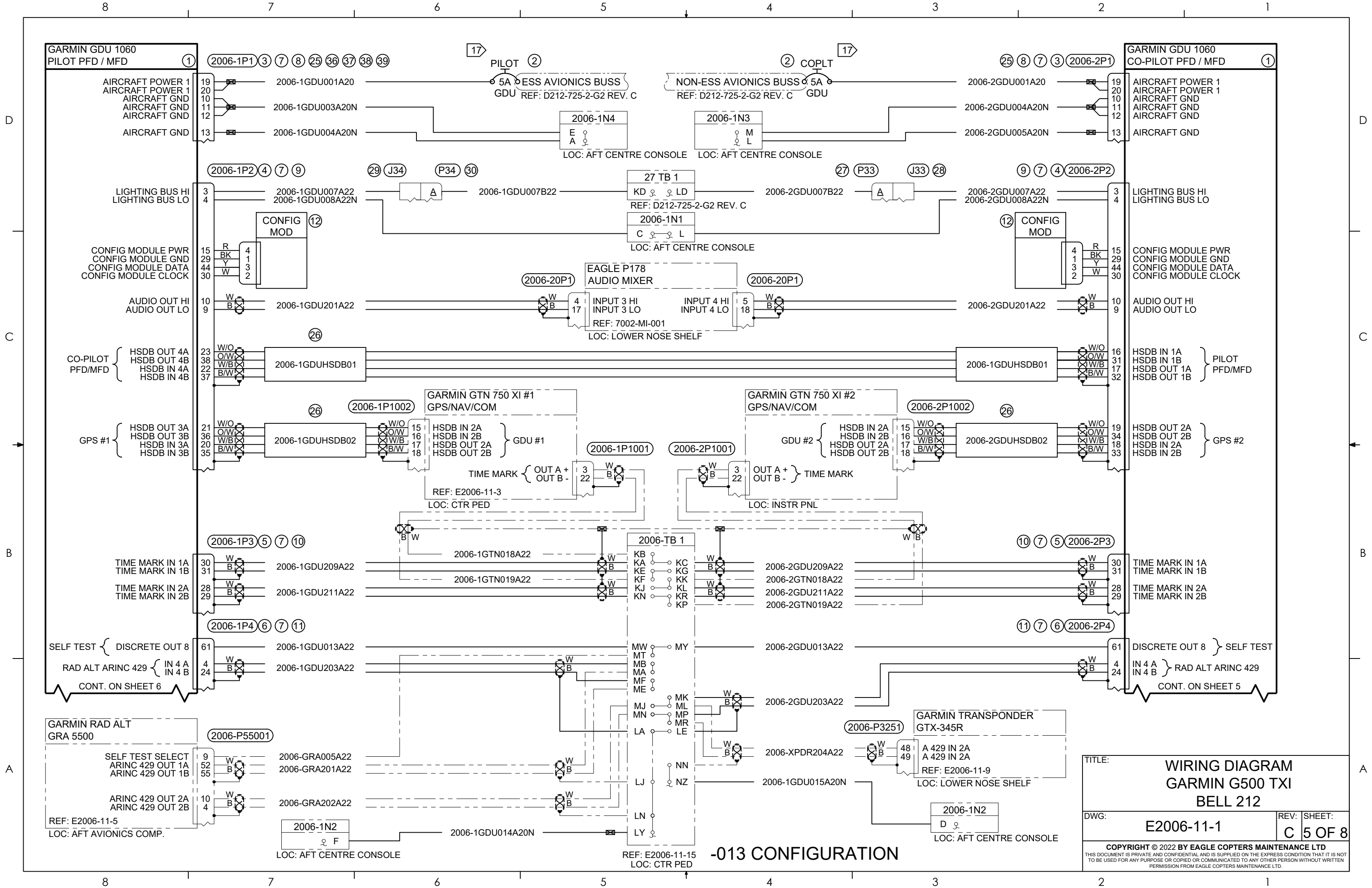
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-011 CONFIGURATION

TITLE: WIRING DIAGRAM GARMIN G500 TXI BELL 212		
DWG: E2006-11-1	REV: C	SHEET: 4 OF 8
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D

C

B

A

D

C

B

A

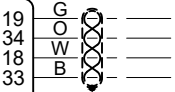
GARMIN GDU 1060
PILOT PFD / MFD

SXM
WEATHER
& RADIO

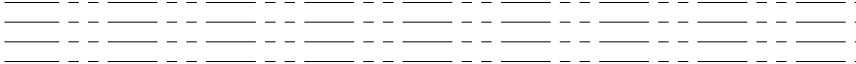
HSDB OUT 2A
HSDB OUT 2B
HSDB IN 2A
HSDB IN 2B

CONT. ON SHEET 7

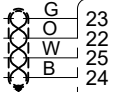
2006-1P2



3410-SWX-ENET-01



3410-1P691



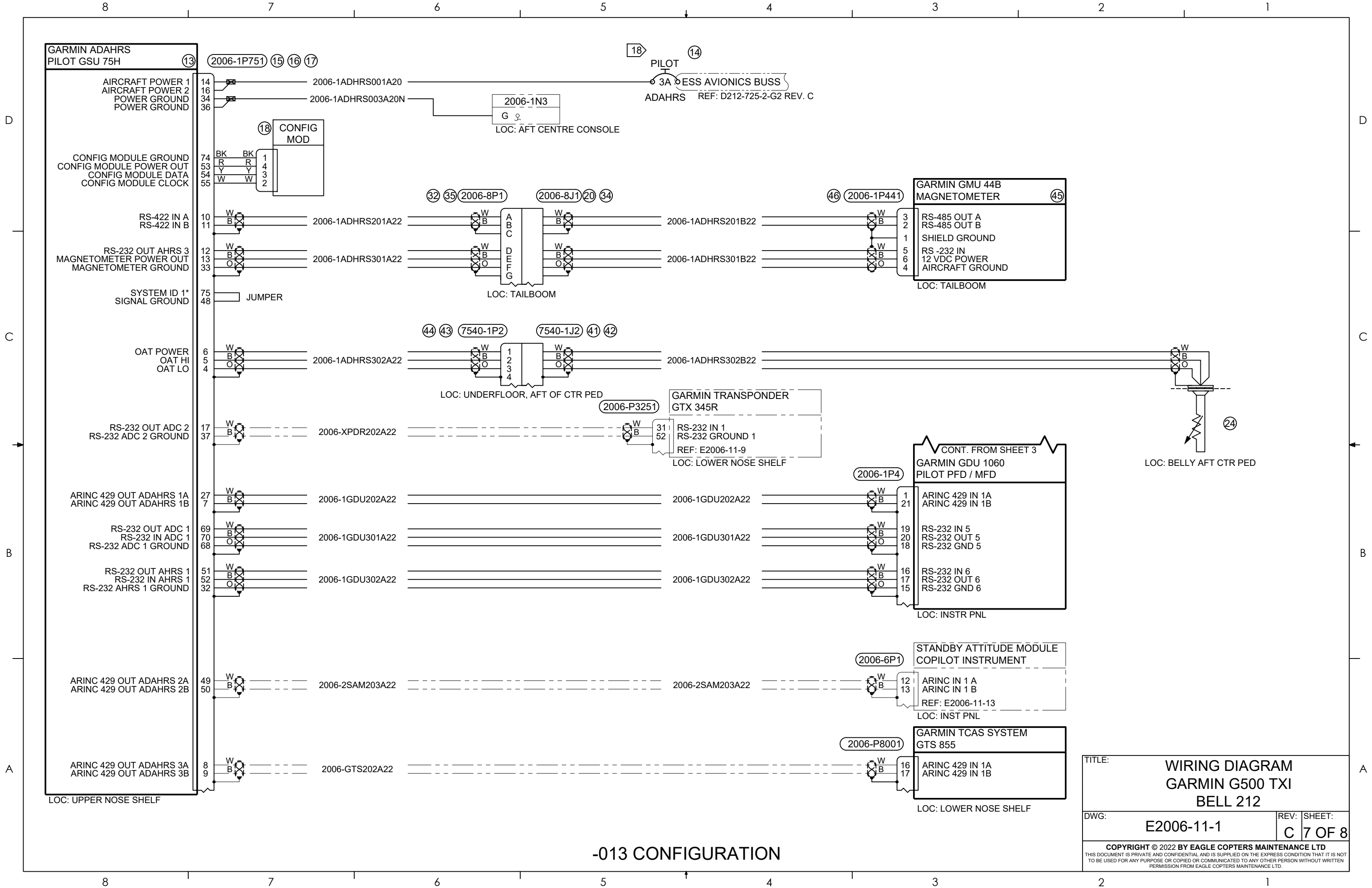
GARMIN SAT WEATHER/RADIO
GDL 69AH

ETHERNET IN 1A
ETHERNET IN 1B
ETHERNET OUT 1A
ETHERNET OUT 1B

LOC: BOTTOM NOSE SHELF

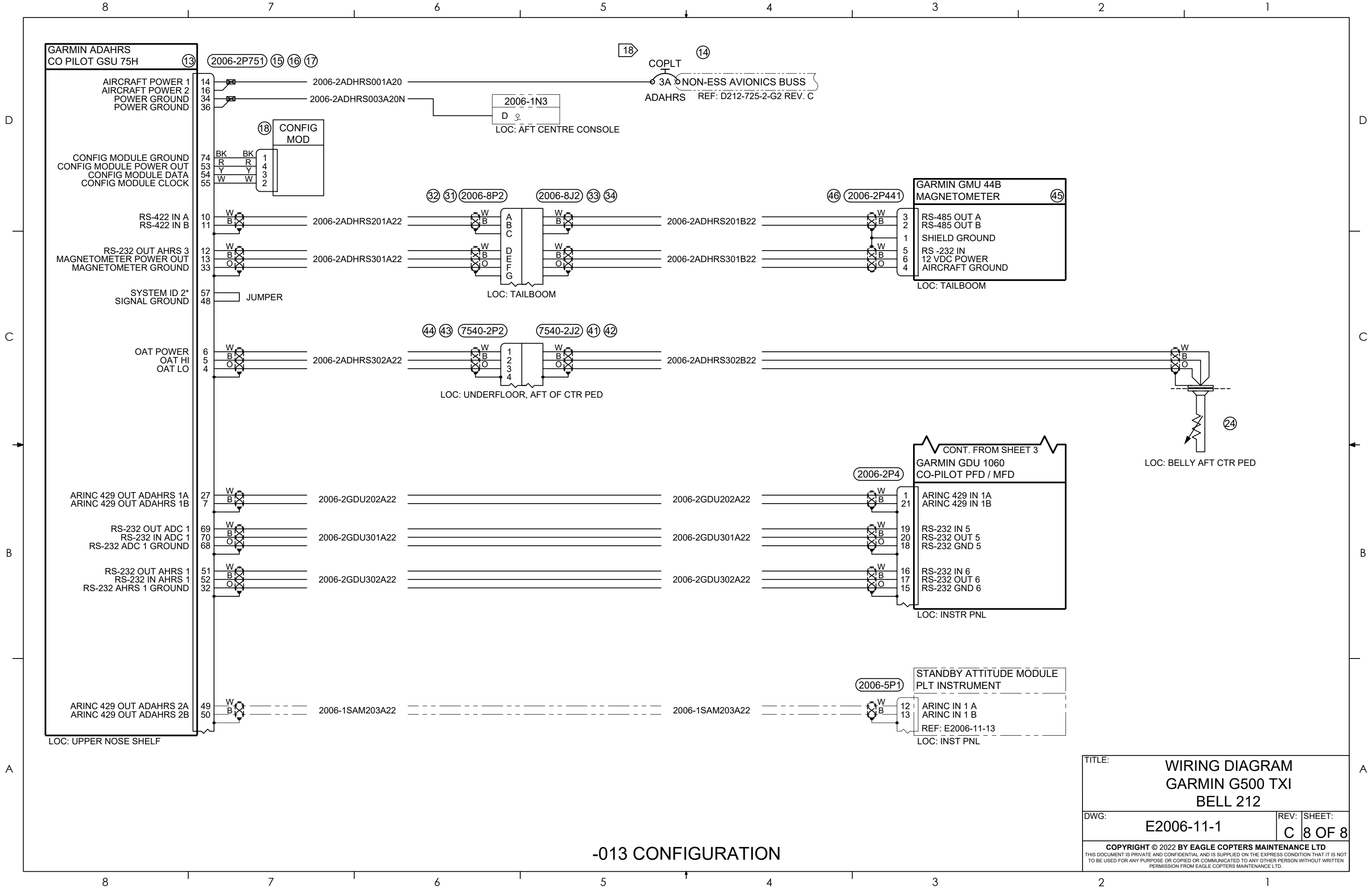
-013 CONFIGURATION

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