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| BILL OF MATERIALS |         |   |                       |                    |
|-------------------|---------|---|-----------------------|--------------------|
| ITEM              | QTY PER |   | PART NUMBER           | POTENTIAL SUPPLIER |
| 1                 |         | 2 | 6420302-7 (TYPE 2)    | MIDCONTINENT       |
| 2                 |         | 2 | MS22073-1             | MIL SPEC           |
| 3                 |         | 2 | 9017275               | MIDCONTINENT       |
| 4                 |         | 2 | 9016479               | MIDCONTINENT       |
| 5                 |         | 2 | 9017218               | MIDCONTINENT       |
| 6                 |         | 2 | 9017274               | MIDCONTINENT       |
| 7                 |         | 4 | 9017642               | MIDCONTINENT       |
| 8                 | AR (40) |   | 44P-BK (ALT: 2800004) | EDMO               |
| 9                 | AR (8)  |   | 264N04                | EDMO               |
| 10                | AR (4)  |   | 262N04                | EDMO               |
| 11                | AR (2)  |   | 265N04                | EDMO               |
| 12                | AR (4)  |   | 268N04X02             | EDMO               |
| 13                | AR (4)  |   | 269N04X02             | EDMO               |
| 14                | AR (22) |   | 259N04                | EDMO               |

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| REV | DESCRIPTION | INITIAL | YYYY-MM-DD |
|-----|-------------|---------|------------|
| A   | NEW ISSUE   | EB      | 2021-09-09 |

————— NEW WIRE / UNIT  
- - - - - EXISTING WIRE / UNIT

NOTES:

- PERFORM ALL WORK IN ACCORDANCE WITH BELL HELICOPTER STANDARD PRACTICES MANUAL BHT-ELEC-SPM.
- 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.
- 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.
- 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.
- 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.
- ALL EQUIPMENT BONDING TO ADJACENT AIRFRAME STRUCTURE TO BE 0.0025 OHM OR LESS. ALL ELECTRICAL GROUNDING AND BONDING TO BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF BHT-ELEC-SPM CHAPTER 8.
- ALL TERMINALS TO BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF BHT-ELEC-SPM CHAPTER 4 PARAGRAPH 4-9.
- 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.
- 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.
- 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 6 INCHES OF SEPARATION FROM OXYGEN AND FLUID LINES (MIN 2 INCHES IF WIRES IN CONDUIT).
- INSTALL SYSTEM IN ACCORDANCE WITH THE LATEST REVISION OF THE MANUFACTURERS INSTALLATION MANUAL.
- LOWERCASE LETTER CONNECTOR PIN DESIGNATORS ARE SHOWN AS UNDERLINED UPPERCASE LETTERS.
- POWER WIRES NOT TO EXCEED 200 FT.
- INCLUDED IN KIT PN: 9017646
- ENSURE THE CO-PILOT PITOT STATIC INSTALLATION HAS BEEN INSTALLED IAW BELL SI 212-1, BELL SI 212-41 OR EQUIVALENT APPROVAL. USE PNEUMATIC TUBING (ITEM 8) TO CONNECT THE STANDBY ATTITUDE MODULE'S PNEUMATIC CONNECTORS (ITEM 7) TO THE PITOT / STATIC SYSTEM. THE TEE FITTING (ITEMS 9 THROUGH 14 AS REQUIRED) IS TO BE USED TO JOIN THE EXISTING AIRCRAFT PNEUMATIC TUBING AND NEWLY INSTALLED TUBING. ALLOW SUITABLE TUBING LENGTH FOR THE INSTRUMENT TO BE REMOVED FROM THE INSTRUMENT PANEL.
- THE PILOT'S STANDBY ATTITUDE MODULE'S PITOT / STATIC IS TO BE CONNECTED TO THE COPILOT'S PITOT/STATIC SYSTEM. THE COPILOT'S STANDBY ATTITUDE MODULE'S PITOT/STATIC IS TO BE CONNECTED TO THE PILOT'S PITOT / STATIC SYSTEM.

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EC PCN22-120

2022-02-24 MC

AVIONICS DESIGN SERVICES  
APPROVED FOR RELEASE

BY *[Signature]* 12 OCT 2024  
DATE

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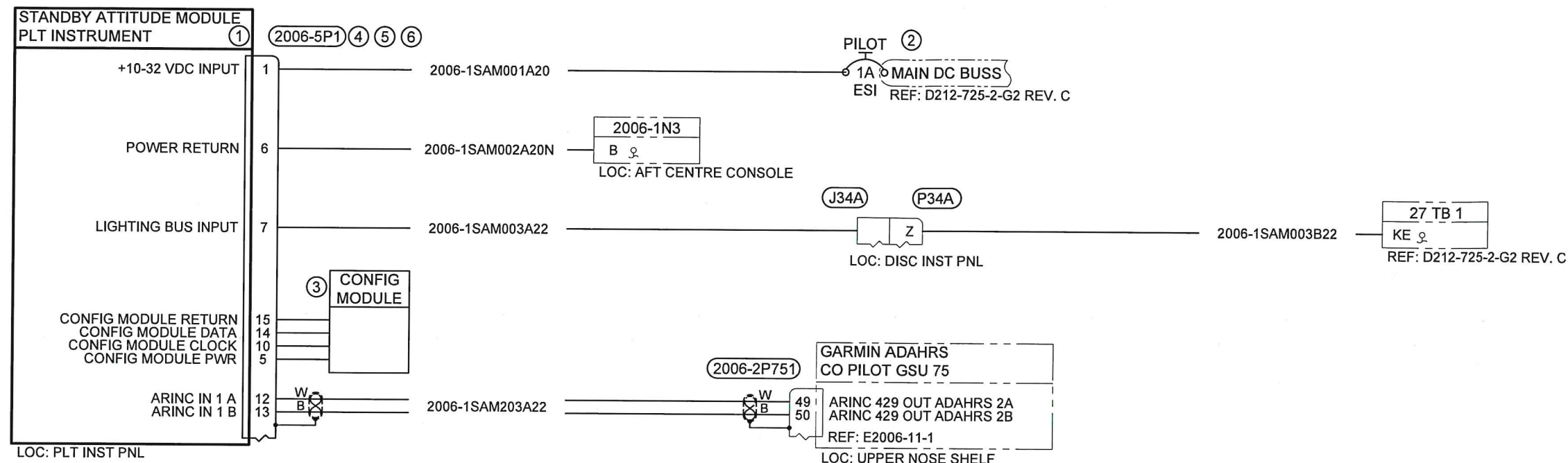
|  |               |   |
|--|---------------|---|
| DESIGN   | EB            | <br>CALGARY, ALBERTA, CANADA |
| DRAWN  | EB            |   |
| CHECKED  | WK            |   |
| MFG. APPR.   | LJ / CD       |   |
| DM RLSED.  | <del>EB</del> |   |
| DE RLSED.  | N/A           | TITLE: STANDBY ATTITUDE MODULE<br>WIRING DIAGRAM  |
| SCALE: NTS   |               |   |
| DATE: 2021-09-09   |               | NO: E2006-11-13   |
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| REV: A   |               | SHEET 1 OF 2  |



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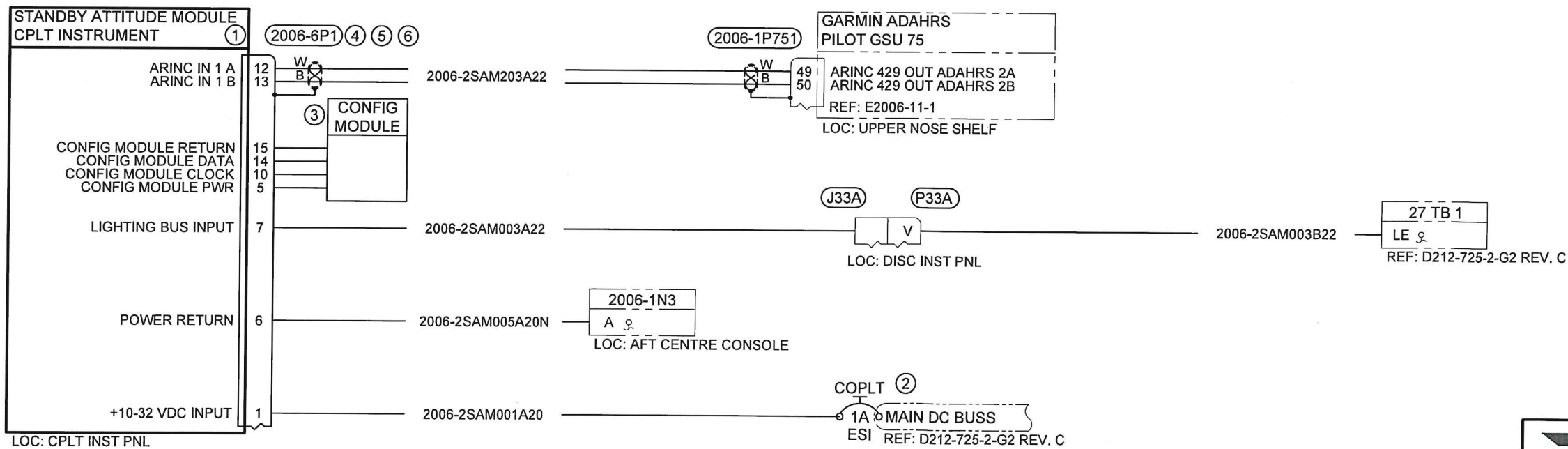


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**EAGLE**  
CALGARY, ALBERTA, CANADA

TITLE  
**STANDBY ATTITUDE MODULE  
WIRING DIAGRAM**

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|----------------------|-------------|-----|--------|
| DATE: 2021-09-09     | DWG:        | REV | SHEET  |
| RELEASED: 2021-09-09 | E2006-11-13 | A   | 2 OF 2 |

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