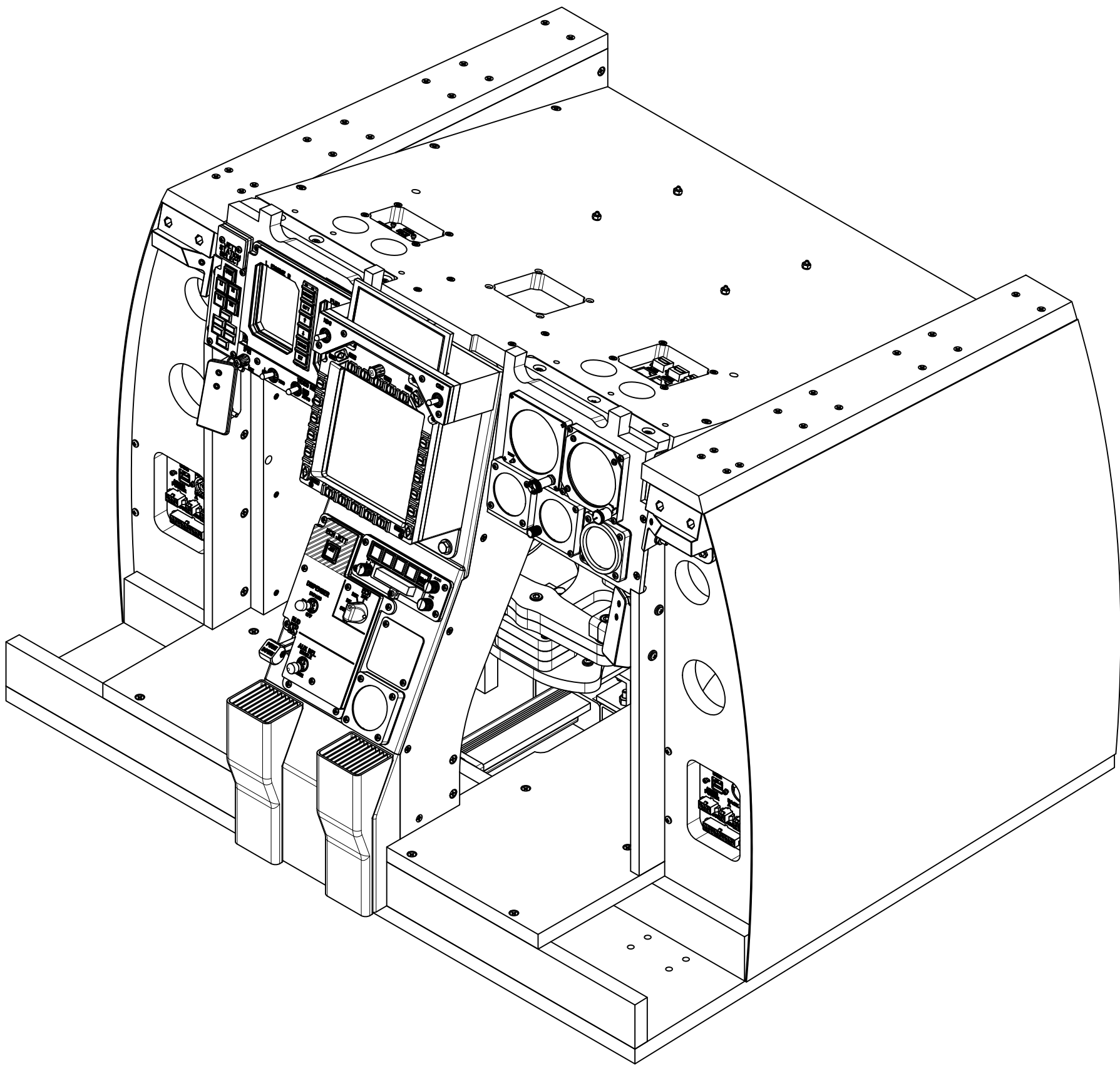


NOTES: (UNLESS OTHERWISE SPECIFIED)


1. SPECIFICATIONS AND DOCUMENTS:
  - 1.1. ELECTRICAL CONNECTIONS SHALL BE IAW OH-INTERCONNECT.
2. ALL ITEMS NOT EXPLICITLY DEFINED IN THIS DRAWING ARE DEFINED BY THE MASTER CAD MODELS. ALL DIMENSIONS NOT DEFINED ON THIS DRAWING ARE CONTAINED WITHIN THE FOLLOWING MANUFACTURING FILES:
  - 2.1. FLAT PARTS: <MATERIAL> <MATERIAL COLOR, IF APPLICABLE> <THICKNESS, IN DECIMAL INCHES> <PN> <DESCRIPTION> <REV> V<VERSION NUMBER OF MODEL>.SVG
  - 2.2. FDM 3D PRINTED PARTS: FDM\_<PN> <DESCRIPTION> <REV> V<VERSION # OF MODEL>.3MF
  - 2.3. MACHINED OR BENT PARTS: <PN>\_<DESCRIPTION>\_<REV>\_V<VERSION # OF MODEL>.STEP
3. FABRICATE FN 4 & 5 SKINS BY FORMING THEM TO THE LIP STRUCTURE AND SECURE TO STRUCTURE WITH HARDWARE OF CHOICE. APPROPRIATE ALTERNATE MATERIALS MAY BE SUBSTITUTED AS DESIRED.
4. FINISHES:
  - 4.1. FINISH FN 4 & 5 OF -1 ASSY AND FN 1 OF -100 & -200 ASSY, IAW FED-STD-595, FS36231, DULL GULL GREY.
  - 4.2. FINISH FN 2 OF -100 ASSY IAW FED-STD-595, FS37038, BLACK.
5. FN 38, RM750 ATX POWER SUPPLY UNIT (PSU) IS CONSIDERED A MINIMALLY VIABLE POWER SUPPLY FOR THE SYSTEM. A PSU OF GREATER WATTAGE AND CAPABILITY MAY BE SUBSTITUTED AS DESIRED.



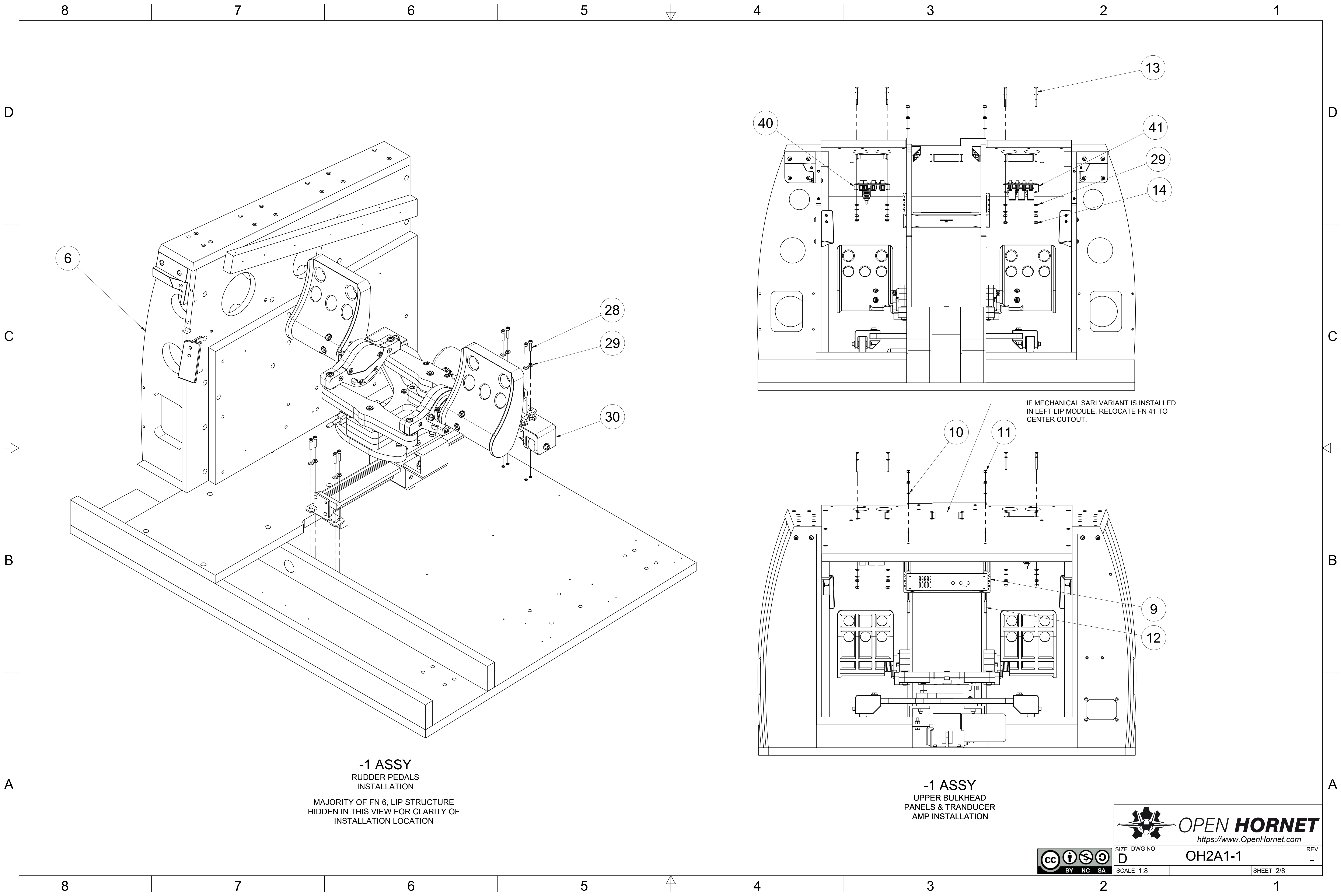
-1 ASSY

|      |     |             |   |          |
|------|-----|-------------|---|----------|
| 58   | 2   | OH2A1-29    | USB TO HDMI ADAPTER                                 | PETG     |
| 57   | 1   | OH2A1-200   | ASSY, LOWER CENTER PEDESTAL                         |          |
| 56   | 1   | OH2A1-100   | ASSY, UPPER CENTER PEDESTAL                         |          |
| 55   | 2   | 90471A223   | FHS, 100 DEG, #6-32 X .750, STEEL                   | STL      |
| 54   | 12  | 91249A060   | PHS, #2-56 X .625, 18-8, BLK                        | SS       |
| 53   | 2   | OH2A1-32    | PSU BRACKET LOWER HOLDER                            | PETG     |
| 52   | 1   | OH2A1-30    | PSU BRACKET LOWER                                   | PETG     |
| 51   | 6   | 90273A153   | FHS, 82DEG, #6-32 X 1.00, STEEL                     | STL      |
| 50   | 1   | OH2A1-31    | PSU BRACKET UPPER                                   | PETG     |
| 49   | 6   | 91249A156   | PHS, #6-32 X .8750, 18-8, BLK                       | SS       |
| 48   | 12  | 94070A076   | PHS, #2-56 X .1875, BRASS                           | BRS      |
| 47   | 12  | 91780A105   | STANDOFF, #2-56 X .375, .1875 HEX, FEMALE, ALUMINUM | ALU      |
| 46   | 2   | 91249A155   | PHS, #6-32 X .750, 18-8, BLK                        | SS       |
| 45   | 1   | OH2A1-28    | USB BRACKET UPPER                                   | PETG     |
| 44   | 1   | OH2A1-27    | USB BRACKET LOWER                                   | PETG     |
| 43   | 1   | OH00013-7   | ASSY, SHORE BULKHEAD PANEL                          |          |
| 42   | 1   | ABSIS007    | ASSY, ABSIS PIT MANAGEMENT SYSTEM                   | N/A      |
| 41   | 1   | OH00013-6   | ASSY, RIGHT LIP-UIP BULKHEAD PANEL                  |          |
| ITEM | QTY | PART NUMBER | DESCRIPTION   | MATERIAL |

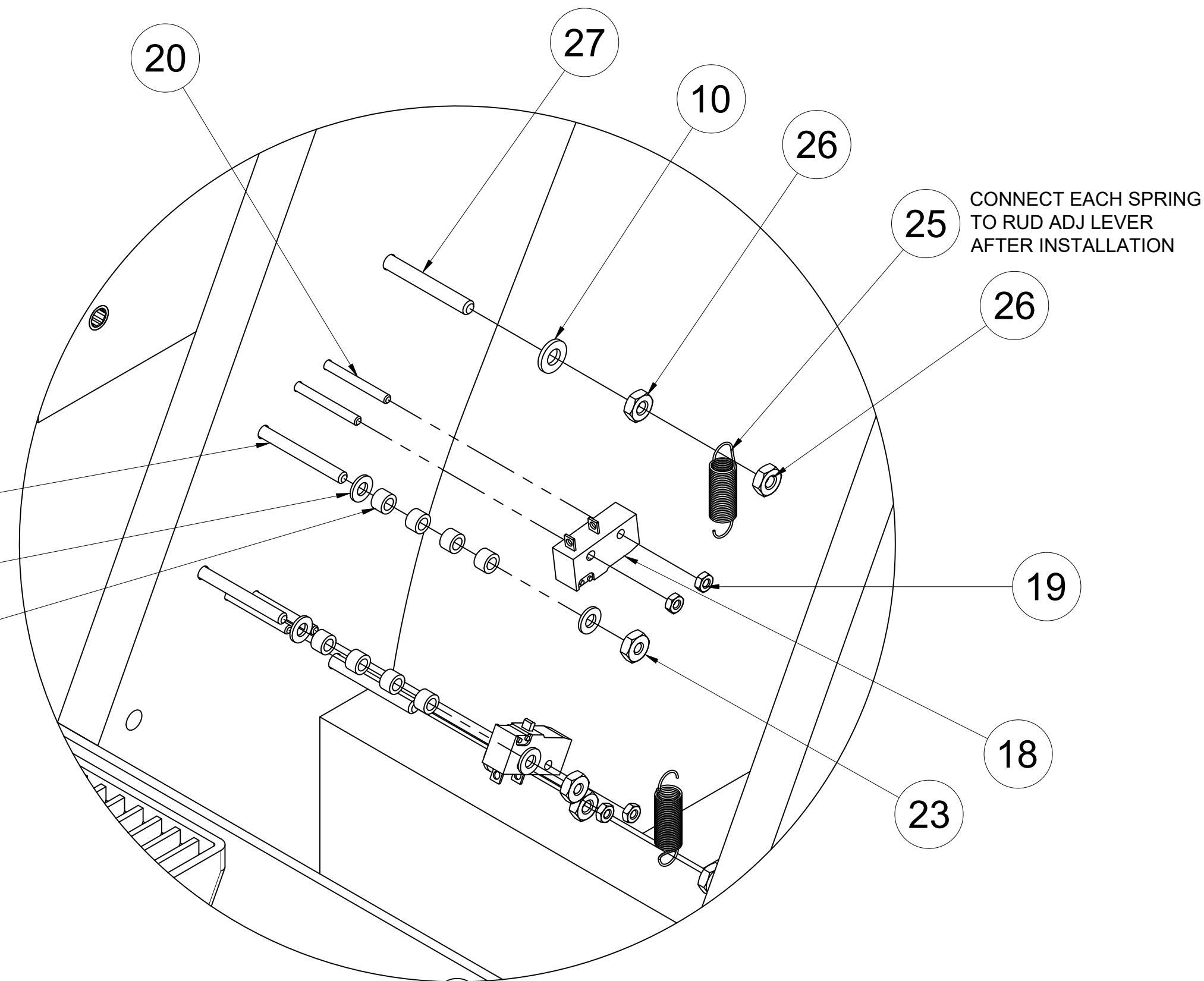
|      |     |               |  |          |
|------|-----|---------------|--|----------|
| 40   | 1   | OH0C0013-5    | ASSY, LEFT LIP-UIP BULKHEAD PANEL                        |          |
| 39   | 1   | ABSI005       | PCB, ATX PSU BREAKOUT                                    | N/A      |
| 38   | 1   | CP-9020195-NA | RM SERIES™ RM750   | N/A      |
| 37   | 3   | B09V6WY1SD    | HUB, USB 3.0, 7-PORT, 5VDC                               | N/A      |
| 36   | 1   | ABSI005       | ASSY, ABSIS BACKLIGHT CONTROLLER                         | N/A      |
| 35   | 2   | USB32HD4      | ADAPTER, 4X HDMI TO USB 3.0 A, STARTECH                  | N/A      |
| 34   | 8   | 90272A201     | PHS, #8-32 X 1.250, STEEL                                | STL      |
| 33   | 1   | OH0C0013-4    | ASSY, RIGHT FWD BULKHEAD INTERCONNECT PANEL              |          |
| 32   | 1   | OH0C0013-3    | ASSY, LEFT FWD BULKHEAD INTERCONNECT PANEL               |          |
| 31   | 8   | 90471A276     | FHS, 100DEG, #8-32 X 1.00, STEEL                         | STL      |
| 30   | 1   | OH2A8A1-1     | ASSY, RUDDER PEDALS                                      |          |
| 29   | 20  | 96765A120     | WASHER, #8 X .375 OD, 18-8, BLACK                        | SS       |
| 28   | 8   | 92200A197     | SHCS, #8-32 X .750, 18-8                                 | SS       |
| 27   | 2   | 90273A157     | FHS, 82DEG, #6-32 X 1.50, STEEL                          | STL      |
| 26   | 18  | 90760A007     | NUT, JAM, #6-32, STEEL                                   | STL      |
| 25   | 2   | 7383N341      | SPRING, EXTENSION, 1.0L X .24OD X .018 WIRE, 1.18LBF MAX | STL      |
| 24   | 2   | 91771A119     | FHS, 82DEG, #4-40 X 1.50, 18-8                           | SS       |
| 23   | 2   | 91841A005     | NUT, #4-40, 18-1   | STL      |
| 22   | 4   | 90618A200     | WASHER, #4 X .250, 18-8, BLACK OXIDE, MS15795-803B       | SS       |
| 21   | 8   | 90176A102     | SPACER, #4 X .188 OD X .125 L, NYLON, BLK                | NYL      |
| 20   | 4   | 91771A141     | FHS, 82DEG, #2-56 X 1.25, 18-8                           | SS       |
| 19   | 4   | 95130A105     | NUT, #2-56, NARROW, BRASS                                | BRS      |
| 18   | 2   | 7658K17       | SWITCH, LIMIT, SUBMINIATURE, SNAP-ACTING, SPST           | N/A      |
| 17   | 4   | 90471A435     | FHS, 100DEG, #8-32 X .625, STEEL                         | STL      |
| 16   | 6   | 98023A113     | WASHER, #8, STEEL, ZINC                                  | STL      |
| 15   | 6   | 91249A197     | PHS, #8-32 X .750, 18-8, BLK                             | SS       |
| 14   | 26  | 91841A009     | NUT, #8-32, 18-8   | SS       |
| 13   | 18  | 90471A436     | FHS, 100DEG, #8-32 X 1.25, STEEL                         | STL      |
| 12   | 4   | 91249A161     | PHS, #6-32 X 1.50, 18-8, BLK                             | SS       |
| 11   | 4   | 91831A007     | NYLOC NUT, #6-32, 18-8                                   |          |
| 10   | 6   | 92141A008     | WASHER, #6 X .3125 OD, 18-8                              | SS       |
| 9    | 1   | X502-1        | MONO POWER AMPLIFIER, CL D, 1000W, KENWOOD               |          |
| 8    | 1   | OH2A2A1-1     | ASSY, LEFT LIP MODULE                                    |          |
| 7    | 1   | OH2A7A1-1     | ASSY, STANDBY INSTRUMENT MODULE                          |          |
| 6    | 1   | OH2A1A1-1     | ASSY, LOWER INSTRUMENT PANEL STRUCTURE                   |          |
| 5    | 1   | OH2A1-26      | LIP L EXT SKIN   | ABS      |
| 4    | 1   | OH2A1-25      | LIP R EXT SKIN   | ABS      |
| 3    | 1   | OH2A1-12      | LEFT MIP MODULE INBOARD MOUNTING BRACKET                 | PETG     |
| 2    | 1   | OH2A1-11      | LEFT MIP MODULE MOUNTING BRACKET                         | PETG     |
| 1    | 1   | OH2A1-10      | STANDBY INSTRUMENT MODULE MOUNTING BRACKET               | PETG     |
| ITEM | QTY | PART NUMBER   | DESCRIPTION  | MATERIAL |

|   |  |   |  |   |                  |           |
|---|--|---|--|---|------------------|-----------|
| UNLESS OTHERWISE SPECIFIED:   |  | UOS INCH TOLERANCES ARE:  |  | <div><div><div>OPEN</div><div>HORNET</div><div><a href="https://www.OpenHornet.com">https://www.OpenHornet.com</a></div></div></div> |                  |           |
| DIMENSIONS ARE IN INCHES.   |  | DECIMALS:<br>.X ± .1<br>.XX ± .03<br>.XXX ± .010  |  | ANGLES:<br>MACHINED ± .5°<br>LOCATING ± .5°<br>FORMED ± 2°<br>CHAMFERS ± .5°  |                  |           |
| DUAL DIMENSIONS ARE IN MILLIMETERS AND ENCLOSED IN SQUARE BRACKETS. |  | DRILLED HOLE DIAMETERS:<br>.0135 - .125: +.004/- .001<br>.126 - .250: +.005/- .001<br>.251 - .500: +.006/- .001<br>.501 - .750: +.008/- .001<br>.751 - 1.000: +.010/- .001<br>1.001 - 2.000: +.012/- .001 |  | TITLE<br><br>ASSY, LOWER<br>INSTRUMENT PANEL<br><br>LOWER INSTRUMENT PANEL  |                  |           |
| INTERPRET DRAWING IAW ASME Y14.100-2017.                            |  |   |  |   |                  |           |
| INTERPRET DIM AND TOL IAW ASME Y14.5-2009.                          |  |   |  |   |                  |           |
| REMOVE ALL BURRS AND SHARP EDGES TO .05 MAX.                        |  |   |  |   |                  |           |
| DIMENSIONS APPLY BEFORE FINISH.                                     |  |   |  |   |                  |           |
| DESIGNED J. STEENSEN 04/23/2023                                     |  | <div><div><div>CC</div><div>BY</div><div>NC</div><div>SA</div></div></div>  |  | SIZE DWG NO   |                  | REV       |
| CHECKED   |  |   |  | OH2A1-1   |                  | -         |
| DRAWN J. STEENSEN 04/23/2023  |  |   |  | SCALE 1:5   | DO NOT SCALE DWG | SHEET 1/8 |

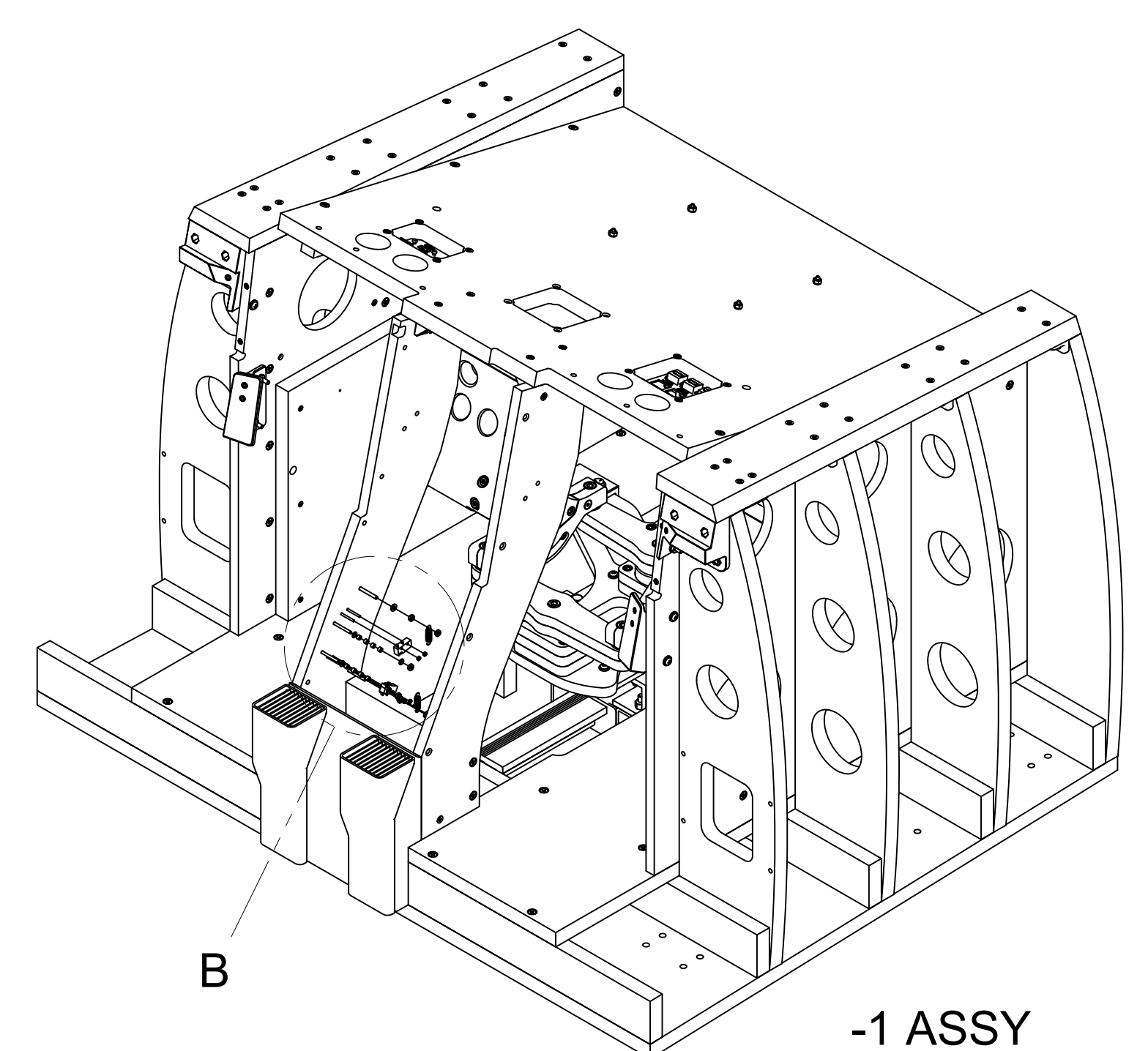




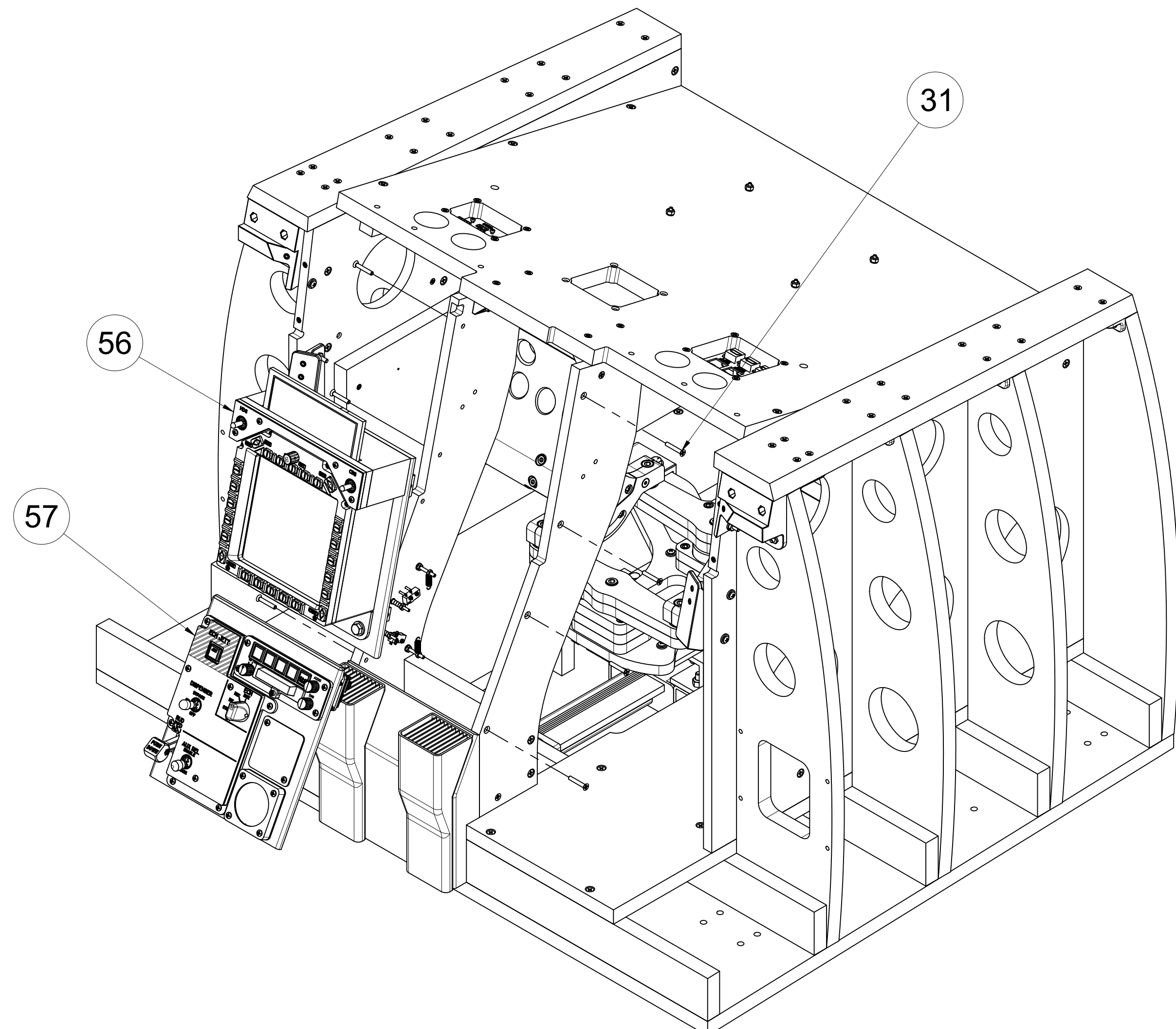




DETAIL B  
SCALE 1:1

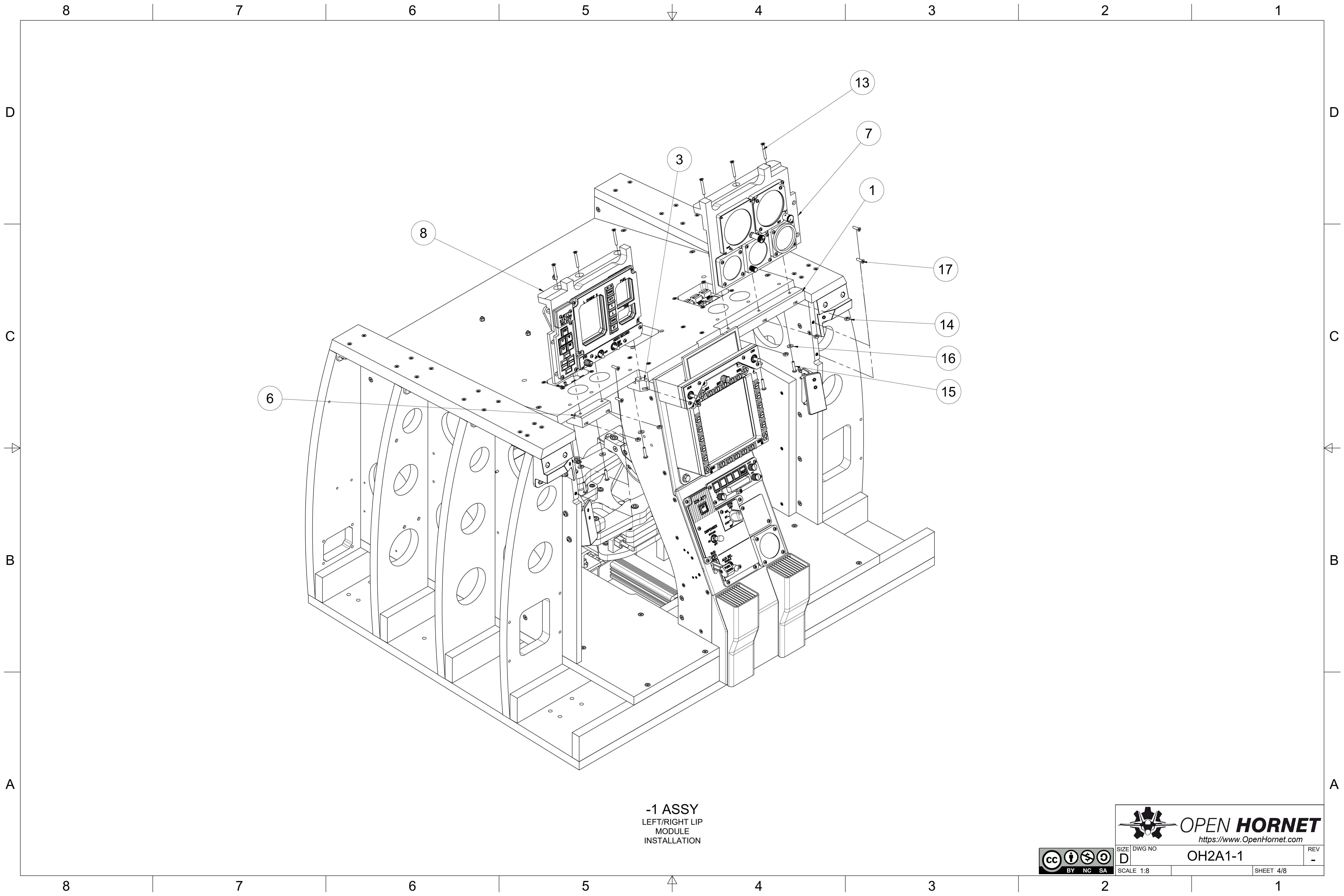


-1 ASSY  
RUDDER PEDAL  
ADJUSTMENT  
MECHANISM  
INSTALLATION



-1 ASSY  
CENTER PEDESTAL  
COMPONENT  
INSTALLATION





-1 ASSY  
LEFT/RIGHT LIP  
MODULE  
INSTALLATION



8

7

6

5

4

3

2

1

D

C

B

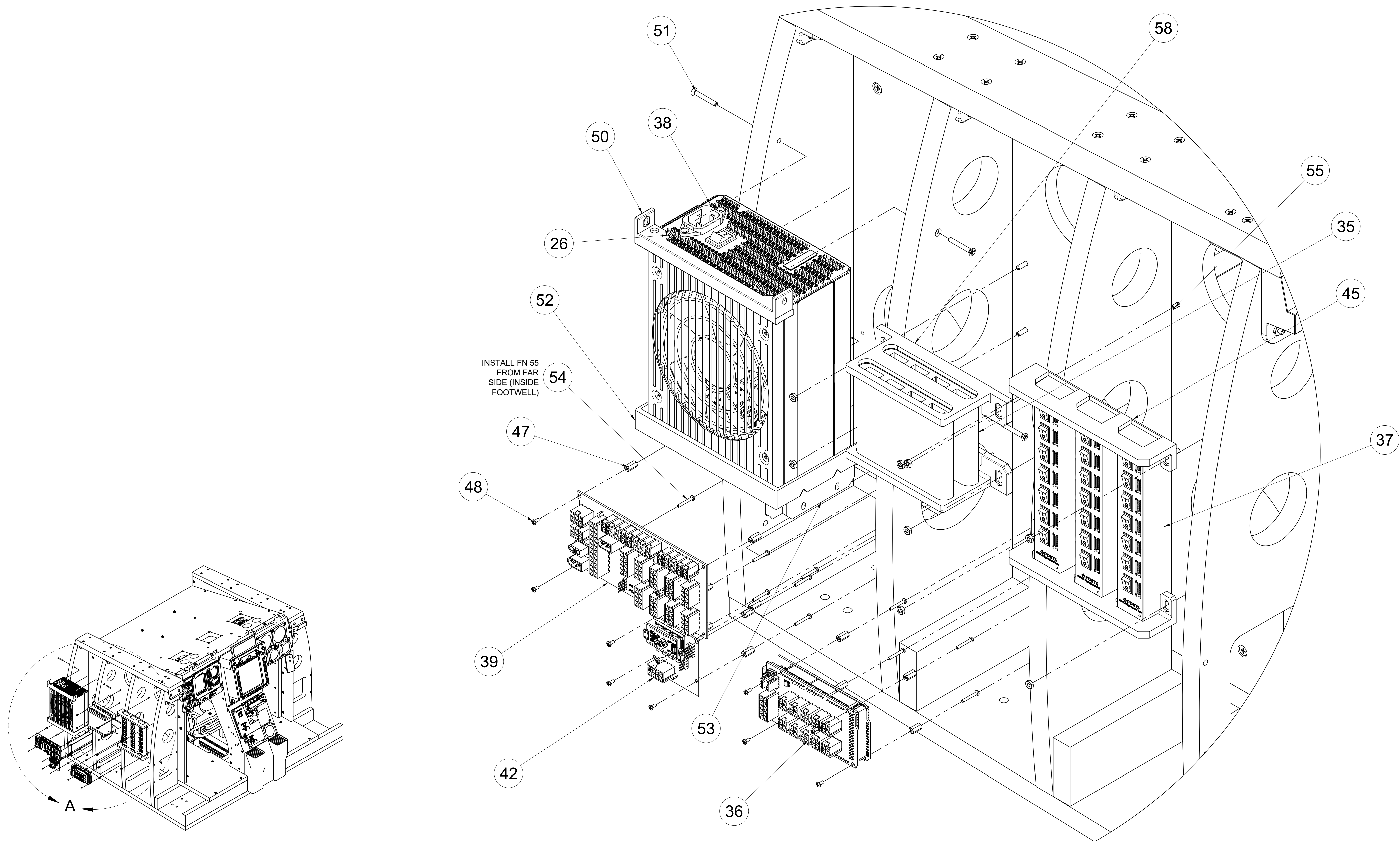
A

D

C

B

A



-1 ASSY  
AVIONICS BAY  
COMPONENT  
INSTALLATION

DETAIL A  
SCALE 1:1.5



| SIZE  | DWG NO  | REV       |
|-------|---------|-----------|
| D     | OH2A1-1 | -         |
| SCALE | N/A     | SHEET 5/8 |

8

7

6

5

4

3

2

1

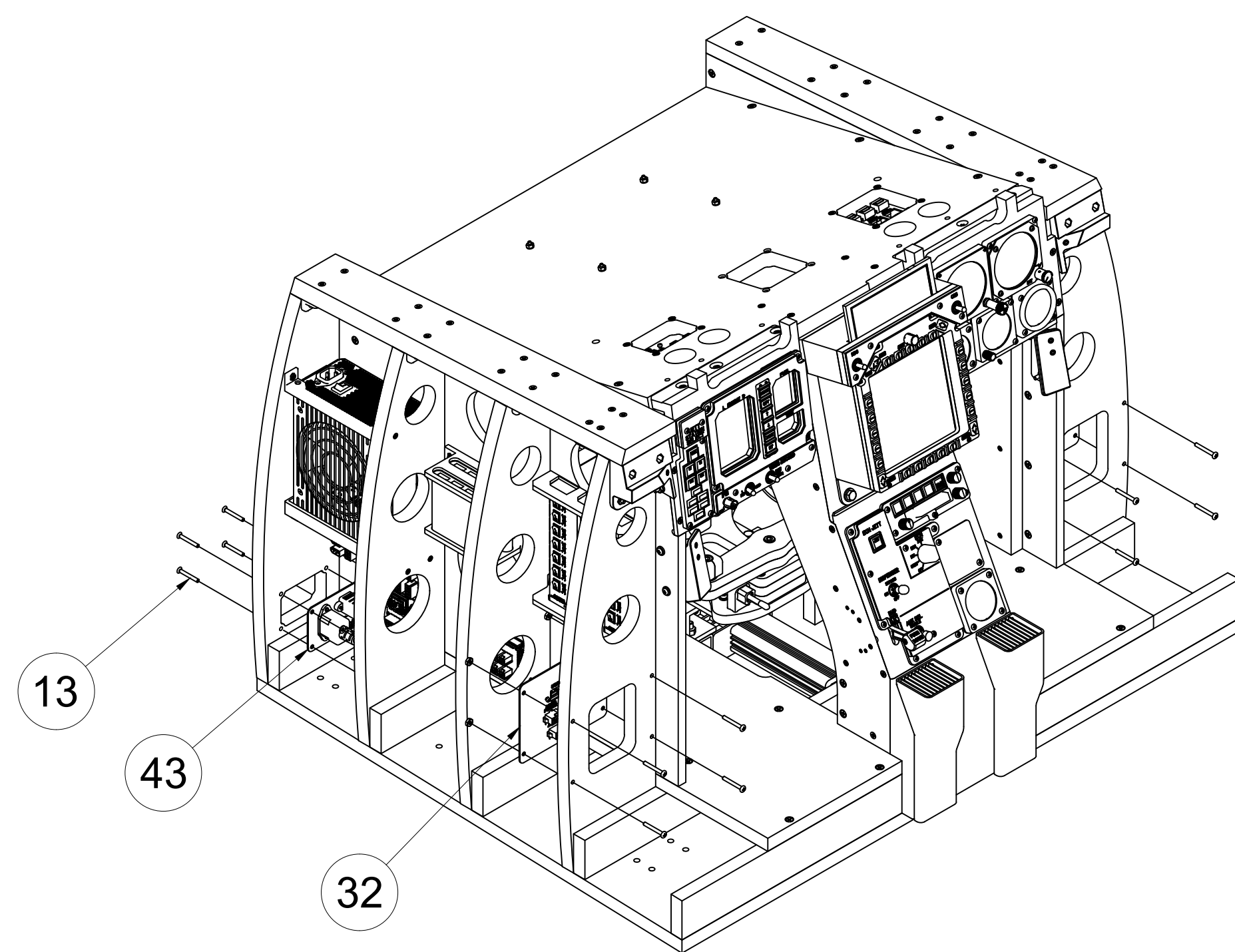
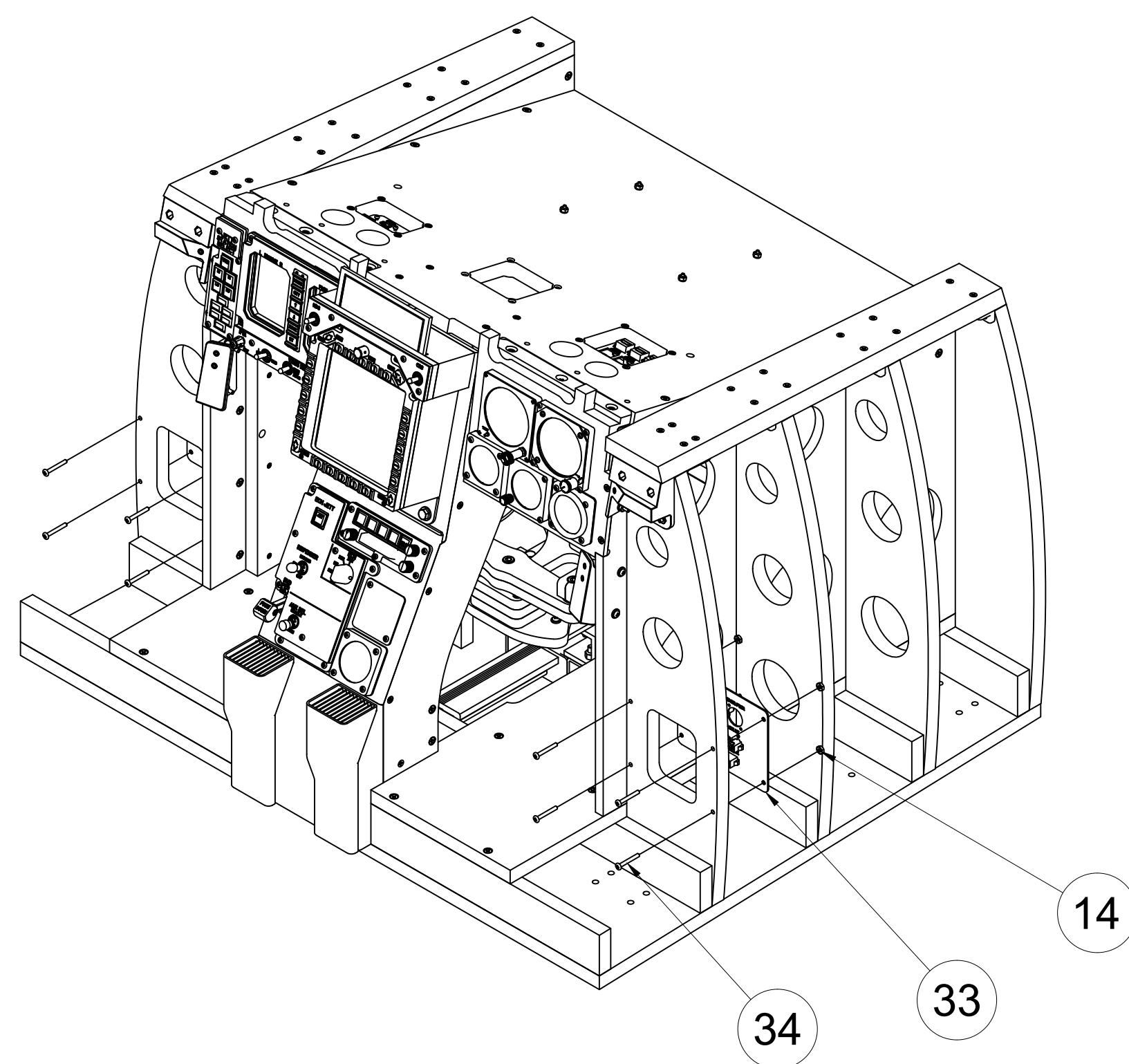


D

C

B

A



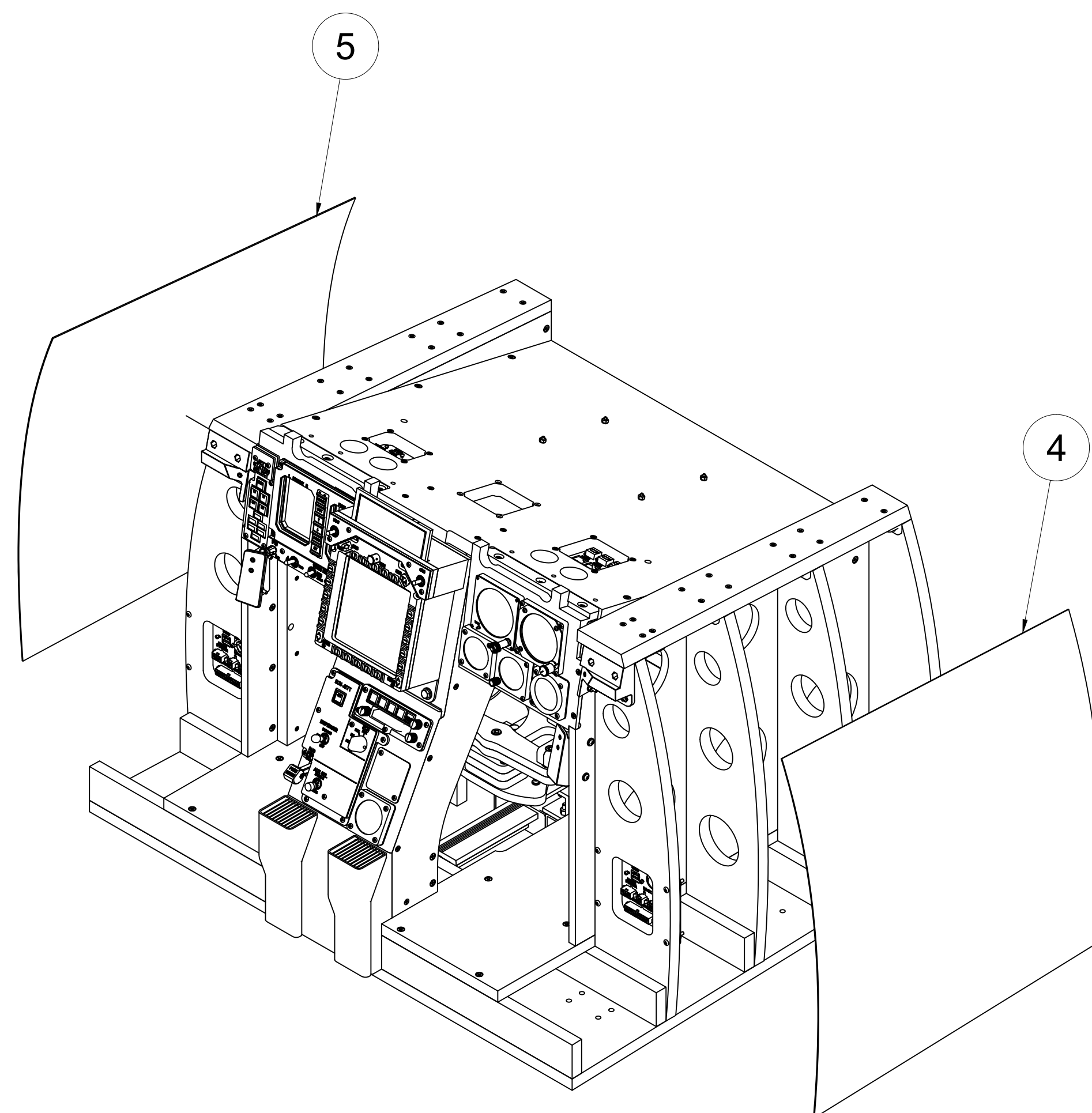
-1 ASSY  
LOWER BULKHEAD PANELS  
INSTALLATION

D

C

B

A



-1 ASSY  
EXTERNAL SKIN  
INSTALLATION



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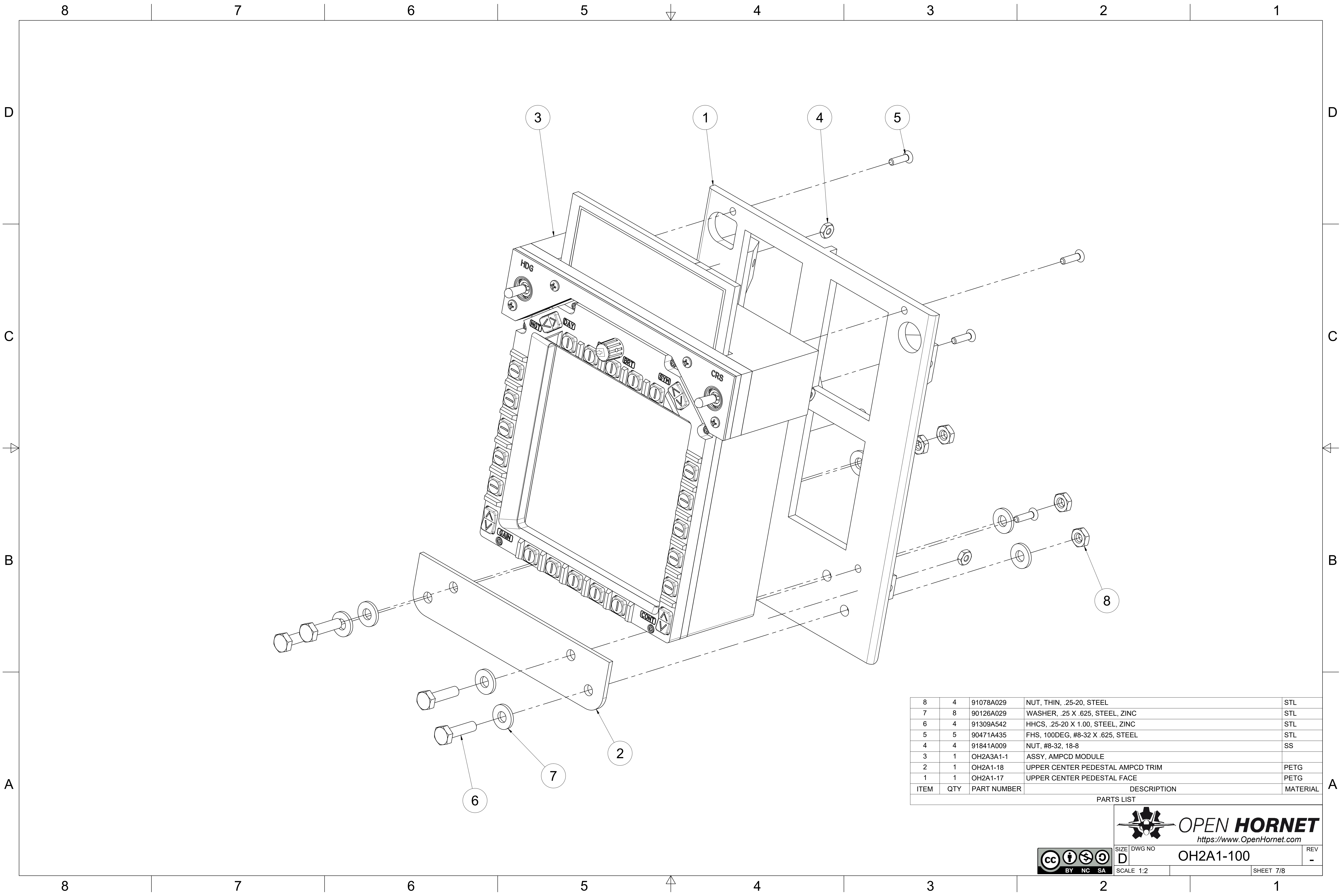
SIZE D  
SCALE N/A

DWG NO  
**OH2A1-1**

REV  
-

SHEET 6/8



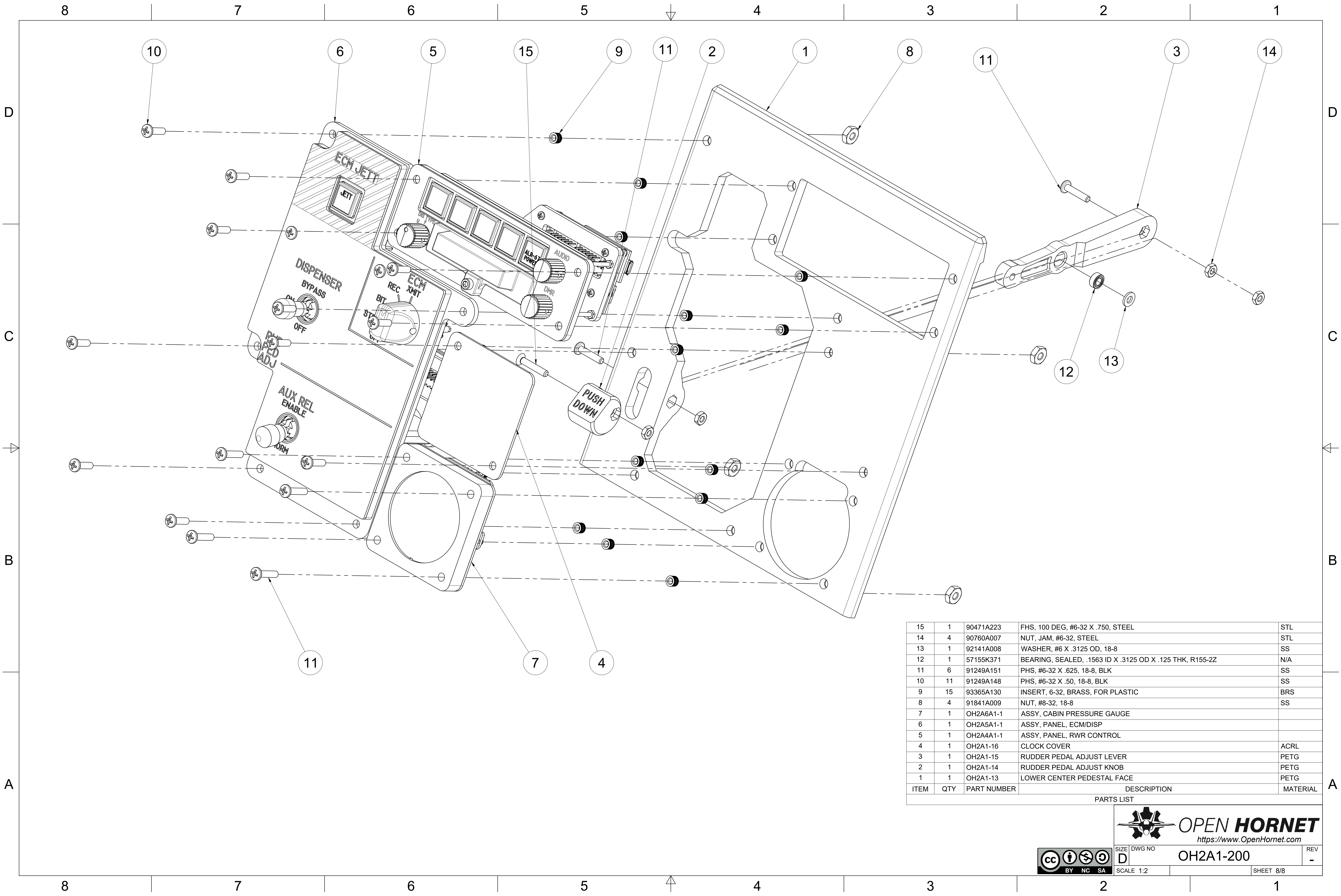


| ITEM       | QTY | PART NUMBER | DESCRIPTION                      | MATERIAL |
|------------|-----|-------------|----------------------------------|----------|
| 8          | 4   | 91078A029   | NUT, THIN, .25-20, STEEL         | STL      |
| 7          | 8   | 90126A029   | WASHER, .25 X .625, STEEL, ZINC  | STL      |
| 6          | 4   | 91309A542   | HHCS, .25-20 X 1.00, STEEL, ZINC | STL      |
| 5          | 5   | 90471A435   | FHS, 100DEG, #8-32 X .625, STEEL | STL      |
| 4          | 4   | 91841A009   | NUT, #8-32, 18-8                 | SS       |
| 3          | 1   | OH2A3A1-1   | ASSY, AMPCD MODULE               |          |
| 2          | 1   | OH2A1-18    | UPPER CENTER PEDESTAL AMPCD TRIM | PETG     |
| 1          | 1   | OH2A1-17    | UPPER CENTER PEDESTAL FACE       | PETG     |
| PARTS LIST |     |             |                                  |          |



|       |     |        |           |       |     |
|-------|-----|--------|-----------|-------|-----|
| SIZE  | D   | DWG NO | OH2A1-100 | REV   | -   |
| SCALE | 1:2 |        |           | SHEET | 7/8 |





|      |     |             |  |          |
|------|-----|-------------|--|----------|
| 15   | 1   | 90471A223   | FHS, 100 DEG, #6-32 X .750, STEEL                        | STL      |
| 14   | 4   | 90760A007   | NUT, JAM, #6-32, STEEL                                   | STL      |
| 13   | 1   | 92141A008   | WASHER, #6 X .3125 OD, 18-8                              | SS       |
| 12   | 1   | 57155K371   | BEARING, SEALED, .1563 ID X .3125 OD X .125 THK, R155-2Z | N/A      |
| 11   | 6   | 91249A151   | PHS, #6-32 X .625, 18-8, BLK                             | SS       |
| 10   | 11  | 91249A148   | PHS, #6-32 X .50, 18-8, BLK                              | SS       |
| 9    | 15  | 93365A130   | INSERT, 6-32, BRASS, FOR PLASTIC                         | BRS      |
| 8    | 4   | 91841A009   | NUT, #8-32, 18-8   | SS       |
| 7    | 1   | OH2A6A1-1   | ASSY, CABIN PRESSURE GAUGE                               |          |
| 6    | 1   | OH2A5A1-1   | ASSY, PANEL, ECM/DISP                                    |          |
| 5    | 1   | OH2A4A1-1   | ASSY, PANEL, RWR CONTROL                                 |          |
| 4    | 1   | OH2A1-16    | CLOCK COVER  | ACRL     |
| 3    | 1   | OH2A1-15    | RUDDER PEDAL ADJUST LEVER                                | PETG     |
| 2    | 1   | OH2A1-14    | RUDDER PEDAL ADJUST KNOB                                 | PETG     |
| 1    | 1   | OH2A1-13    | LOWER CENTER PEDESTAL FACE                               | PETG     |
| ITEM | QTY | PART NUMBER | DESCRIPTION  | MATERIAL |

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|       |     |        |           |           |   |
|-------|-----|--------|-----------|-----------|---|
| SIZE  | D   | DWG NO | OH2A1-200 | REV       | - |
| SCALE | 1:2 |        |           | SHEET 8/8 |   |

