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RECORD OF REVISIONS				
REV	DATE (DD/MM/YY)	DESCRIPTION OF CHANGES	DWN	APPD
A	12/12/12	INITIAL ISSUE	CES	T.M.

GENERAL NOTES:

- PERFORM ALL WORK IN ACCORDANCE WITH STANDARD PRACTICES OF BELL 206 AMM, AND OR AC43.13-1B/2B:
 - METAL WORK * AC43.13-1B, CHAPTER 4 & 6,
 - AIRCRAFT HARDWARE * AC43.13-1B, CHAPTER 7,
 - STRUCTURAL DATA * AC43.13-2A, CHAPTER 1.
- EQUIVALENT FASTENERS MAY BE USED IN LIEU OF THOSE SPECIFIED. FASTENER LENGTH TO BE DETERMINED ON INSTALL.
- DEBURR, BRUSH ALODINE (AS PER MIL-C-5541), EPOXY PRIME (AS PER MIL-P-23377) ALL MODIFIED OR NEWLY FABRICATED BARE METAL PARTS.

13 DEBURR HOLE AND REMOVE DEBRIS AND LOOSE MATERIAL FROM CAVITY AND SURFACE OF COMPOSITE PANEL. FILL UNDERCUT WITH EPOCAST 87269-A/B (OR EQUIVALENT) TO MATCH THE HOLE EDGE IN THE FACINGS, SAND SMOOTH AND FLUSH WHEN CURED.

14 ANTENNA INST. I.A.W MANUFACTURERS INSTRUCTIONS. ENSURE REQUIRED ELECTRICAL BONDING BETWEEN DOUBLER AND AIRCRAFT GROUND USING ELECTRICAL STRAPS.

15 FOR SINGLE ANTENNA LHS IS SHOWN. OPPOSITE RHS INSTALLATION IS ACCEPTABLE.

- PAINT EXPOSED SURFACE OF AIRCRAFT SKIN IN ACCORDANCE WITH MIL-C-22750 TO MATCH EXISTING COLOUR OF AIRCRAFT.
- RESERVED
- THE DATA CONTAINED HEREIN CONSIDERS STRUCTURAL DETAILS ONLY. WIRING, EQUIPMENT AND SYSTEMS OPERATION ARE THE RESPONSIBILITY OF THE INSTALLER.

7 LOCATE ON INSTALL ON CENTER PEDESTAL DZUS RAIL. INSTALL IAW MANUFACTURES INSTRUCTIONS.

8 SIZE/TRIM PARTS TO SUIT INSTALL.

9 RESERVED.

10 RESERVED.

11 ENSURE ANTENNA IS 6 INCHES CLEAR OF ANY EXISTING STRUCTURES IE. LIGHTS, LANDING GEAR, JACKING MOUNTS OPENINGS, OR OTHER EXISTING ANTENNAS. SPACE ANTENNA WITH RESPECT TO ITS CONNECTOR.

12 MATCH FOOTPRINT OF ANTENNA AND MOUNTING HOLES.



QTY	DASH	NO	DESCRIPTION	MATERIAL	SPEC	SIZE	ITEM			
1	1	081282 - () - ()	TDFM-1368 TRANSCIVER	(VHF FM COMM)	TECHNISONIC	3.5 LBS	302			
2	1	CL282-3	FM EXT BAND BENT WHIP ANTENNA		COMANT	0.5 LBS	301			
6	3	MS21058L3	NUTPLATE, 2LUG, SELF-LOCKING			#10-32	206			
6	3	P101D31-()	PLUG INSERT				204			
6	3	S101D31-()	SLEEVE INSERT				203			
12	6	MS20426AD3	RVET, SOLID, 100DEG CSK				202			
6	3	MS27039-()	SCREW, MACHINE, PAN HEAD			#10-32	201			
2	1	-101	CL292 INTERNAL DOUBLER	AL ALY 2024-T3	QQ-A-280/5	0.050" THK	101			
		-003	DUAL TDFM 1368 INSTALLATION				3			
		-001	SINGLE TDFM 1368 INSTALLATION				1			
		-003	NUMBER	SHT	ZONE	DESCRIPTION	MATERIAL	SPEC	SIZE	ITEM

LIST OF MATERIAL
ODD DASH NUMBER IS SHOWN. THE NEXT HIGHER CONSECUTIVE EVEN DASH NUMBER IS OPPOSITE.

15

REVISION RECORD	COMPUTER GENERATED DOCUMENT DO NOT REVISE MANUALLY DO NOT SCALE DRAWING	DRAWN C. SUTTON	DATE 12-12-12	7050 TELFORD WAY, UNIT 200 MISSISSAUGA, ONTARIO CANADA L5S 1V7 TEL (905) 405-1371 FAX (905) 405-1373
		CHECKED T. Muller	DATE 12/1/13	
DWN/DATE	REVISION	UNLESS OTHERWISE SPECIFIED, ALL LINEAR DIMENSIONS ARE IN INCHES.		
CHECK/DATE	REVISION	TOLERANCES: LINEAR: X.XX ±0.03 X.XXX ±0.010 ANGULAR: X.X ±0°30'		
		MACHINED SURFACES: 125 ✓		
		TECHNISONIC ANTENNA INSTALLATION - BELL 206 DWG NUMBER: 5004213 SCALE: NTS NCAGE: L6518 SHEET 1 OF 6		

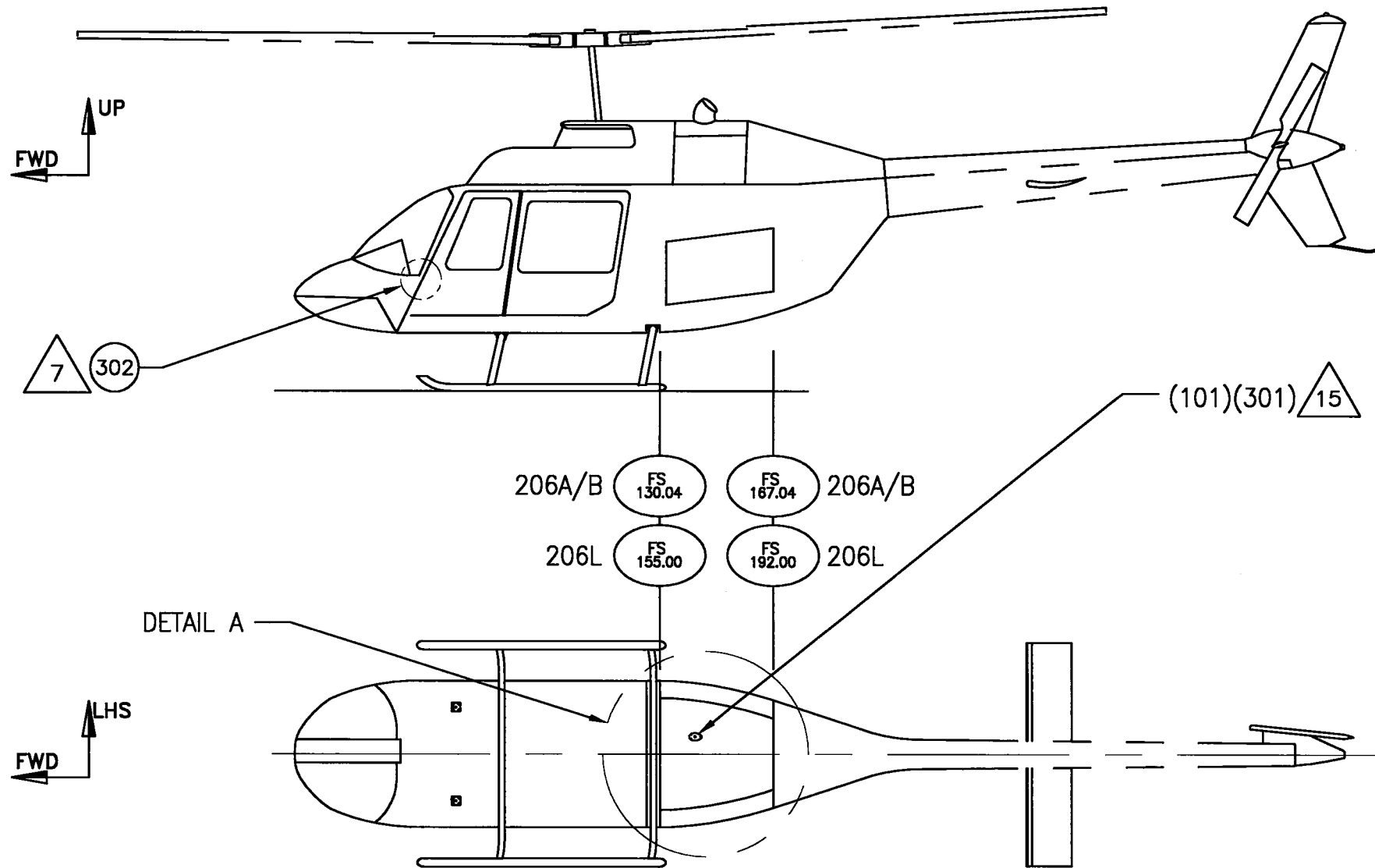
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WEIGHT & BALANCE

NOTE: RECALCULATE MOMENT WITH ANY DEVIATION TO THE ITEM LOCATIONS

FOR BELL 206A/B				
ITEM	DESCRIPTION	WEIGHT (LBS)	ARM (IN)	MOMENT (LBSxIN)
301	CL 292-3	0.5	142.04	71.02
302	TRANSCIVER	3.5	41.74	146.09

FOR BELL 206L				
ITEM	DESCRIPTION	WEIGHT (LBS)	ARM (IN)	MOMENT (LBSxIN)
301	CL 292-3	0.5	167.00	83.50
302	TRANSCIVER	3.5	31.40	109.90



-001 SINGLE TDFM 136B INSTALLATION

GENERAL LAYOUT

DECA 7050 TELFORD WAY, UNIT 200
 MISSISSAUGA, ONTARIO
 CANADA L5S 1V7
 AVIATION ENGINEERING LIMITED TEL (905) 405-1371 FAX (905) 405-1373

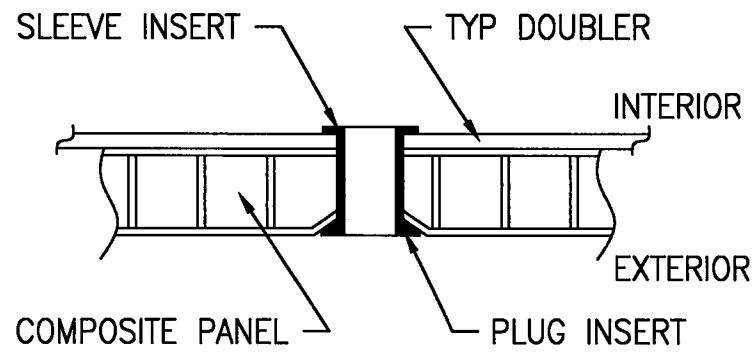
TECHNISONIC ANTENNA
 INSTALLATION - BELL 206

SIZE B	DWG NUMBER: 5004213	REV A
SCALE: NTS	NCAGE: L6518	SHEET 2 OF 6

DWG NO 5004213 SH 2 REV A

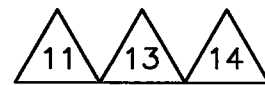
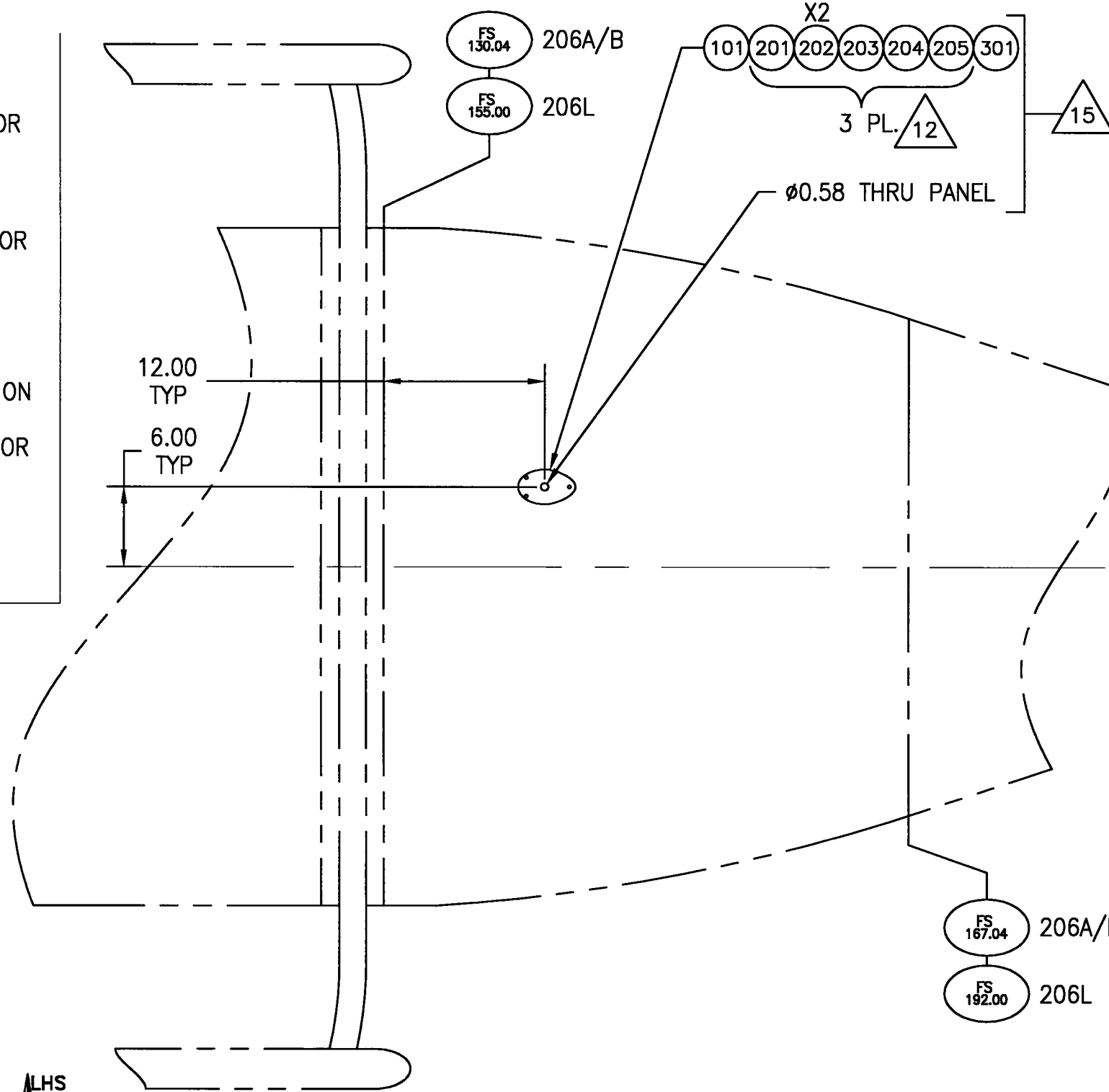
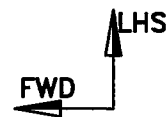
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NOTE: DRILL $\phi 0.574$ HOLE FOR ITEM 203/204 INSERT ON COMPOSITE PANEL. APPLY PRESSURE TO OPPOSING SIDES OF INSERT USING A HAND ARBOR PRESS. PRESSURE NOT TO EXCEED 1800 LBS. SKIN WILL DIMPLE AUTOMATICALLY.

TYPICAL INSERT CROSS SECTION



DETAIL A
VIEW LKG UP AT
REAR FUSELAGE PANEL SECTION



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MISSISSAUGA, ONTARIO
CANADA L5S 1V7
AVIATION ENGINEERING LIMITED TEL (905) 405-1371 FAX (905) 405-1373

TECHNISONIC ANTENNA
INSTALLATION - BELL 206

SIZE B	DWG NUMBER: 5004213	REV A
SCALE: NTS	NCAGE: L6518	SHEET 3 OF 6

DWG NO 5004213
SH 3
REV A

A

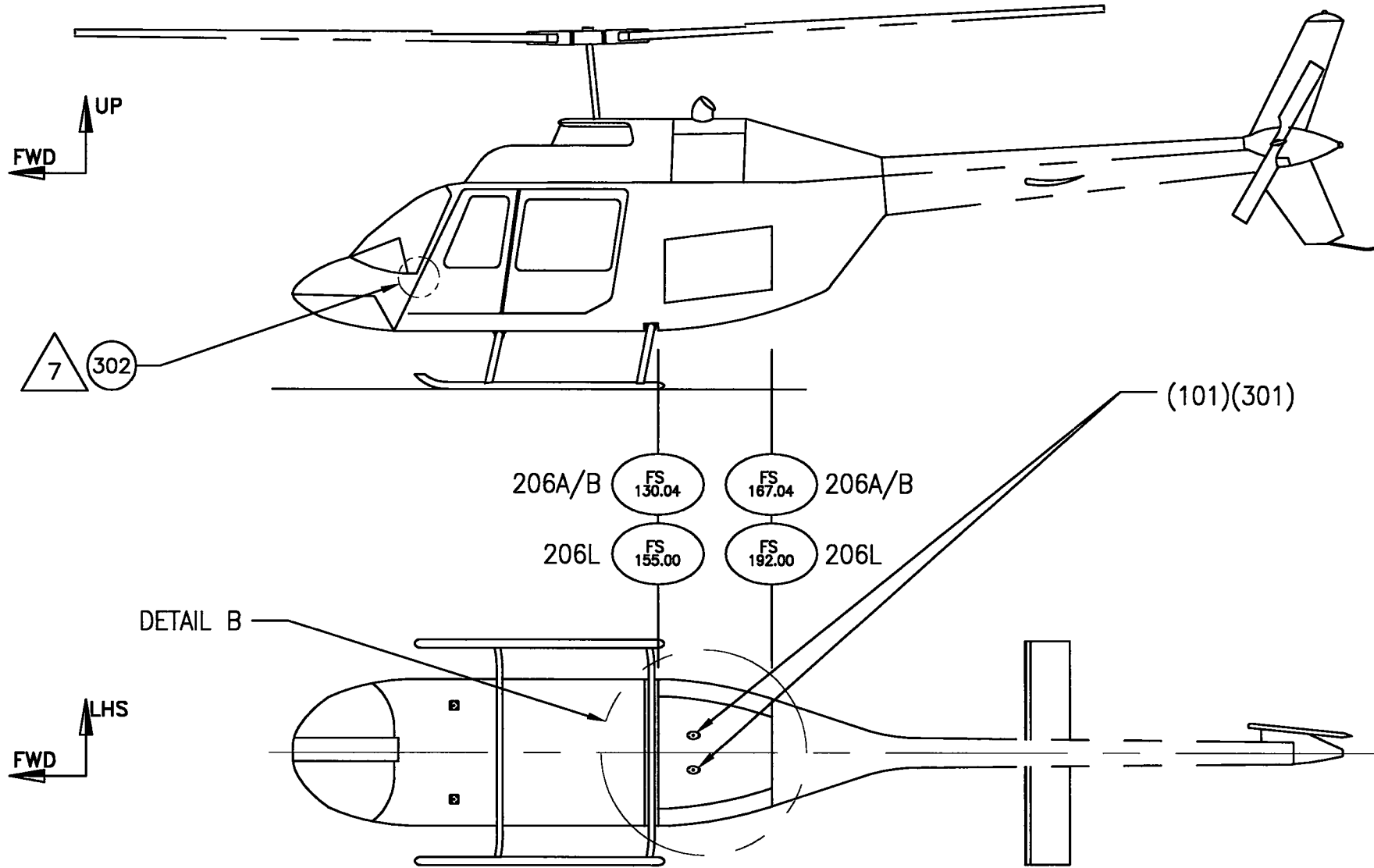
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FOR BELL 206A/B				
ITEM	DESCRIPTION	WEIGHT (LBS)	ARM (IN)	MOMENT (LBSxIN)
301	CL 292-3	1.0	142.04	142.04
302	TRANSCIVER	3.5	41.74	146.09

FOR BELL 206L				
ITEM	DESCRIPTION	WEIGHT (LBS)	ARM (IN)	MOMENT (LBSxIN)
301	CL 292-3	1.0	167.00	167.00
302	TRANSCIVER	3.5	31.40	109.90



-003 DUAL TDFM 136B INSTALLATION

GENERAL LAYOUT

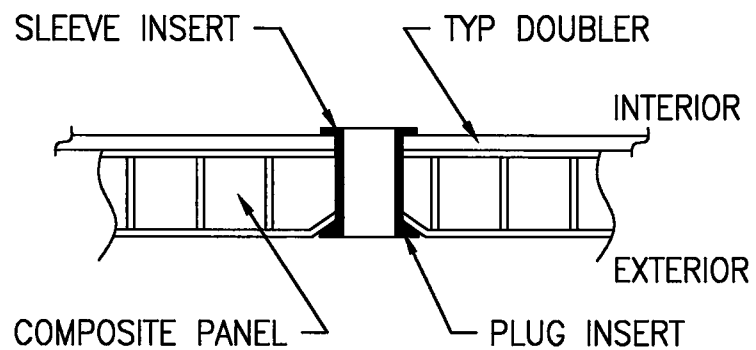
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 MISSISSAUGA, ONTARIO
 CANADA L5S 1V7
 AVIATION ENGINEERING LIMITED TEL (905) 405-1371 FAX (905) 405-1373

TECHNISONIC ANTENNA
 INSTALLATION - BELL 206

SIZE B	DWG NUMBER: 5004213	REV A
SCALE: NTS	NCAGE: L6518	SHEET 4 OF 6

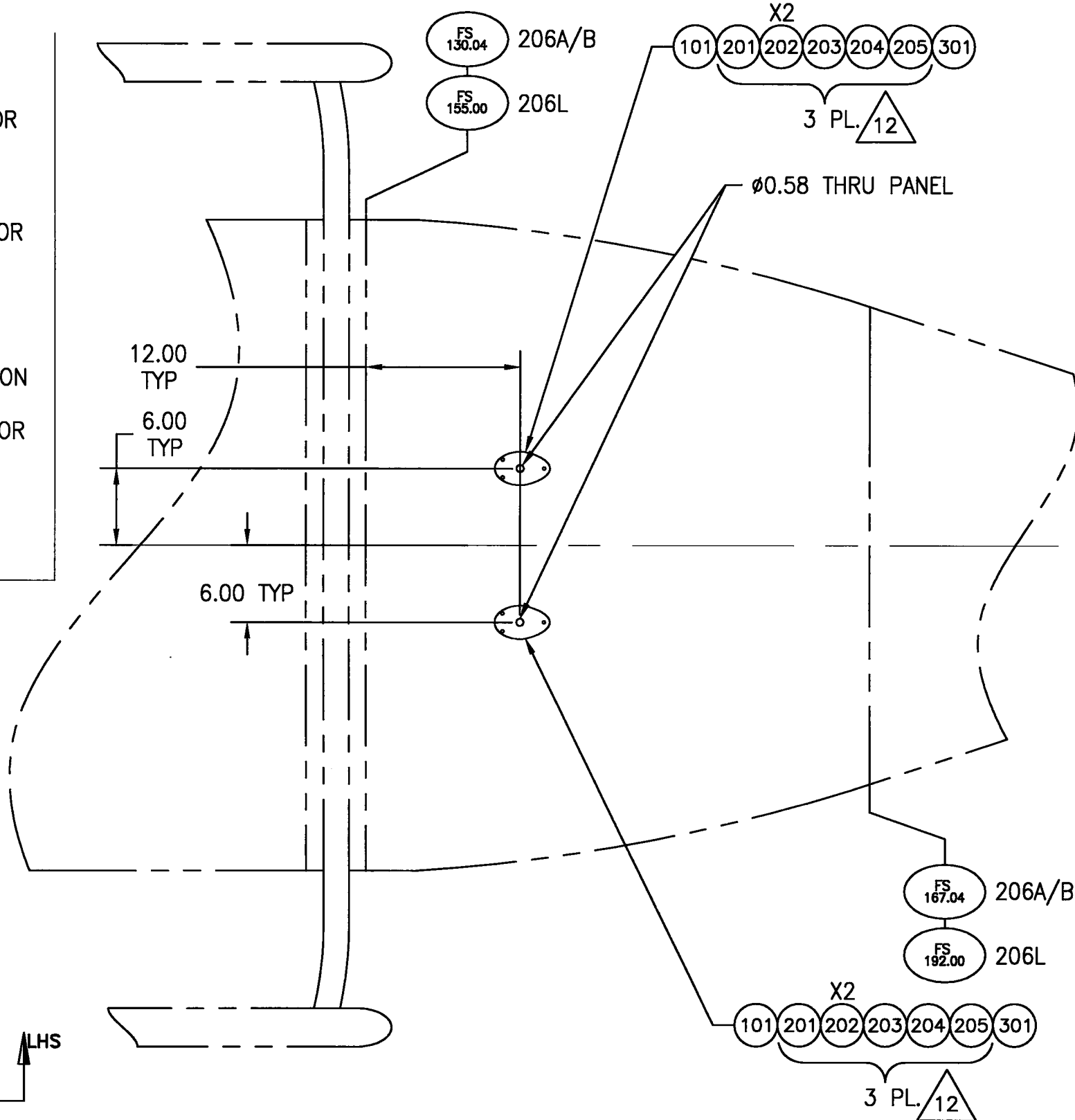
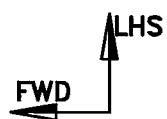
DWG NO 5004213 SH 4 REV A

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TYPICAL INSERT CROSS SECTION



DETAIL B
VIEW LKG UP AT
REAR FUSELAGE PANEL SECTION



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MISSISSAUGA, ONTARIO
CANADA L5S 1V7
AVIATION ENGINEERING LIMITED TEL (905) 405-1371 FAX (905) 405-1373

TECHNISONIC ANTENNA
INSTALLATION - BELL 206

SIZE B	DWG NUMBER: 5004213	REV A
SCALE: NTS	NCAGE: L6518	SHEET 5 OF 6

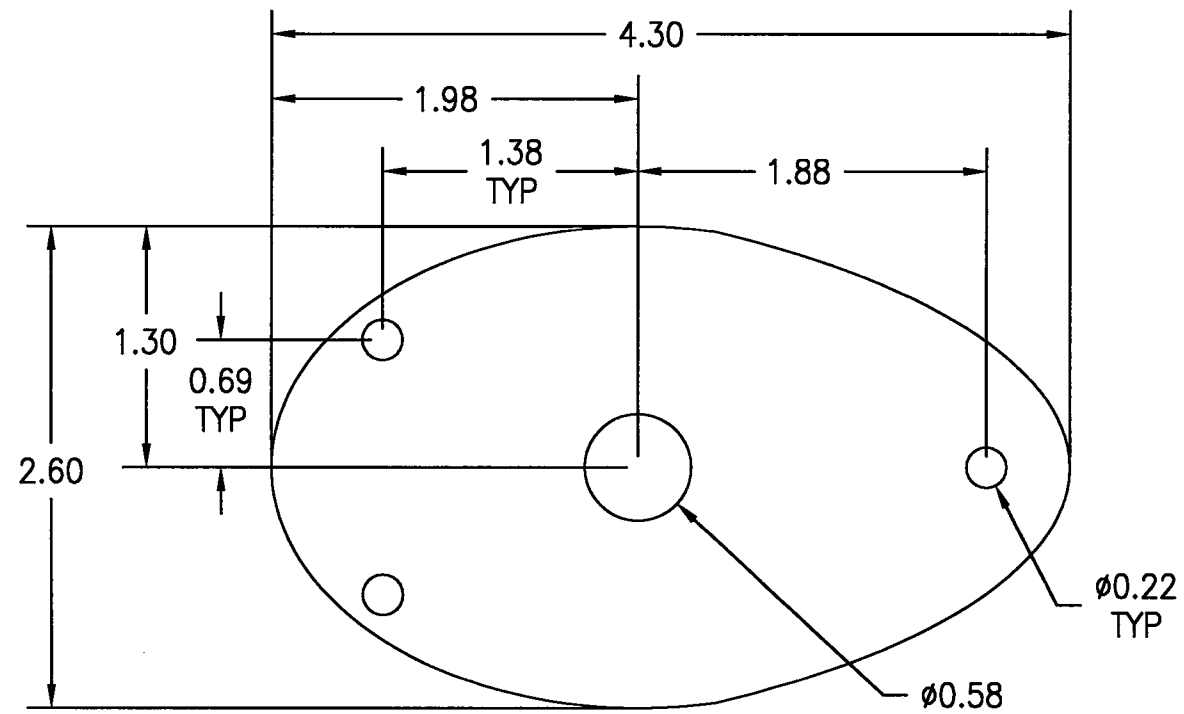
DWG NO 5004213

SH 5

REV A

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-101 CL292 INTERNAL DOUBLER 



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 MISSISSAUGA, ONTARIO
 CANADA L5S 1V7
 AVIATION ENGINEERING LIMITED TEL (905) 405-1371 FAX (905) 405-1373

TECHNISONIC ANTENNA
 INSTALLATION - BELL 206

SIZE B	DWG NUMBER: 5004213	REV A
SCALE: NTS	NCAGE: L6518	SHEET 6 OF 6

DWG NO 5004213
 SHEET 6 REV A

A