

CHAPTER 6

CHAPTER 6

MAIN PLANE

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CHAPTER 6

MAINPLANE

General

1. The wing, in Port and Starboard units, is of orthodox metal construction.

Each unit incorporates an air intake duct at the inboard leading edge, a tail boom stub, and facilities for housing an outward retracting main undercarriage. Flexible fuel tanks, supported by tank doors, are housed inside each wing. The channel section main spar runs the full length of the wing, and attached alclad ribs join to the false spar which carries the aileron, flaps and shrouds at the trailing edge. Longitudinal stringers are flush riveted to the stressed top and bottom skins, which are also flush riveted to the spars and ribs. The wing nose forward of the main spar is a fabricated assembly riveted to the main spar.

The wing is illustrated in Fig. 6/1, and for further descriptive details see A.A.P. No. 828, Sectn. 7, Chap. 2.

Repair Instructions

2. Repairable damage inboard of Rib No. 2 must not exceed .50" dia. In the shaded and cross-hatched areas shown in Fig. 6/1, damage may be repaired to Fig. 6/14. If a repair is carried out in the area shown cross-hatched, the aircraft must be test flown before being returned to service. (See Para. 6.)

Negligible Damage

3. The definitions of negligible damage are set out in Tables Nos. 38 and 39.

Repairs

4. The relevant repair for every component of the mainplane is also listed in Tables Nos. 38 and 39.

Mass Balancing

5. Each movable control surface unit is weighed during manufacture and compensating weights, arranged in the aircraft in relation to the hinge point, are added to dampen out vibration or flutter which would be fatal to the efficiency of the aircraft. Mass balancing is explained in detail in A.P. 2662A, and points of balance, tolerances, etc., for the Vampire Mk. 30 are given in A.A.P. No. 828, Sectn. 4, Chap. 3, Para. 94.

Aileron Mass Balance

6. When a repair is carried out to any part of the aileron, there is always a possibility that the mass balance will be affected by the weight of the repair material added to the structure. The difference between the weight of the material added and that cut out may necessitate additional weight being added to the balance weight. Fig. 6/33 shows the method of adding weight to the component whilst 6/34 is a direct reading curve for ascertaining the amount of weight to be added for any combination of repairs.

Test Flying After Repairs

7. Variations in the contour of the mainplane in certain critical locations forward of the spar, may affect the flying qualities of the aircraft even when the distortion is no greater than 0.005 in. In the event of repairs or renewals being necessary anywhere forward of the spar, a test flight should be made to check that the work has not caused any alteration in the flying qualities of the aircraft.

Riveting on the Wing Surface

8. With all countersunk head rivets, it is important that the rivet head fills the countersink and in no case may the head of the rivet be below the skin surface. The head of the rivet may be left up to .005 in. proud of the plate, where filler is needed to smooth off the surface, or otherwise cleaned off flush. This is particularly important when riveting through the spar and plate edges.

Tank Door Bolts

9. Should the tank doors be removed, it is imperative that securing bolts, which vary in length, are reinserted in the correct positions. Each bolt is marked on the head and location is shown in Figs. 6/27 and 6/28.

Wear Limits

10. The wear limits for all male and female parts of the principal fittings in the wing are given in Table 80, and is to be read in conjunction with Fig. 6/47, and reference should be made to Chapter 1, Para. 21, for the method of application.

TABLE 38
MAINPLANE
DEFINITION OF NEGLIGIBLE AND REPAIRABLE DAMAGE

NOTE: Repair Materials — See Table 3.

Component.	Negligible.	Repairable.	Repair Fig. No.	Repair Material Item Nos.	Key Diagram Fig. Nos.
Spar Webs, Main and False Spars:	Dents or Bruises, .03" deep, 2.0" dia., 18.0" apart.	Holes: .5" dia., 12.0" apart 1.0" dia., 18.0" apart 1.0" x 1.5" (Lightening Holes Area) 2.0" x 3.0", 24.0" apart	6/4 6/4 6/5 6/6	17, 18, 19, 20 15, 18, 17, 29, 30 15, 17, 26, 27 15, 17, 26, 27, 29	6/2 6/3
Booms, Main Spar:	Dents or Bruises, .05" deep, 1.5" dia., 18.0" apart.				
Skin, Top and Bot- tom:	Dents or Bruises, .05" deep, 2.0" dia., 18.0" apart.	Holes: .5" dia., 12.0" apart 1.0" dia., 18.0" apart 2.0" dia., 18.0" apart 3.0" dia., 24.0" apart 8.0" sq., 30.0" apart	6/9 6/9 6/9 6/9 6/10 6/11	15, 17, 38, 39 15, 17, 38, 39 15, 17, 38, 39 15, 17, 38, 39, 55, 56, 65 17, 18, 39, 57, 66	— — — — —
16 S.W.G.					
18 S.W.G.	Dents or Bruises, .03" deep, 1.5" dia.	Holes: .5" dia., 12.0" apart 1.0" dia., 12.0" apart 2.0" dia., 12.0" apart	6/9 6/9 6/9	17, 18, 38, 39 17, 18, 38, 39 17, 18, 38, 39	— — —
Leading Edge:		Insertion	6/14	17, 38, 51	—
Stringers:	Dents or Bruises, .02" deep, .5" dia., 18.0" apart.	Holes: 1.0" dia., 30.0" apart	6/15 6/16	28, 29, 38, 39, 55, 65	—
Air Intake Skin, Wheel Well Wall:	Dents or Bruises, .03" deep, 2.0" dia., 12.0" apart.	Holes: .5" dia., 12.0" apart 1.0" dia., 12.0" apart 2.0" dia., 18.0" apart	6/9 6/9 6/9	17, 18, 29, 30 17, 18, 29, 30 17, 18, 29, 30	6/25
Undercarriage Diaphragms:	Dents or Bruises, .03" deep, 1.0" dia., 12.0" apart.				6/26
Tank Door Skin, Stub Boom Shell Diaphragms:	Dents or Bruises, .03" deep, 2.0" dia., 18.0" apart. .03" deep, 2.0" dia., 12.0" apart.	Holes: 3.0" dia., 18.0" apart	6/28 6/29	12, 13, 16, 38, 39	6/27 6/28 6/45
Wing Tip Skin:	Dents or Bruises, .05" deep, 1.5" dia., 6.0" apart.				6/46
Aileron Skin:	Dents or Bruises, .05" deep, 1.0" dia.	Holes: .5" dia., 12.0" apart 1.0" dia., 12.0" apart 2.0" dia., 18.0" apart	6/9 6/9 6/9	17, 18, 29, 30 17, 18, 29, 30 17, 18, 29, 30	— — —
Ribs:	Dents or Bruises, .02" deep, .5" dia., 6.0" apart.	Holes: 1.0" dia., 18.0" apart (One per Rib)	6/9	6, 37, 38, 56, 65	6/31
Spar:	Dents or Bruises, .05" deep, 1.0" dia., 12.0" apart.	Holes: .5" dia., 12.0" apart 1.0" dia. (Flange), 18.0" apart 2.0" dia. (Flange), 18.0" apart	6/9 6/44 6/44	17, 18, 29, 30 16, 17, 28, 29, 53, 54 16, 17, 28, 29, 53, 54	— 6/32
Shrouds:	Dents or Bruises, .02" deep, 1.5" dia., 12.0" apart.	Holes: .5" dia., 12.0" apart 1.0" dia., 12.0" apart	6/9 6/9	17, 18, 29, 30 17, 18, 29, 30	6/35

TABLE 38 (Continued)

Component.	Definition of Damage.	Repair Fig. No.	Repair Material Item Nos.	Key Diagram Fig. Nos.
	Negligible.	Repairable.		
Flaps (Inner and Outer) Skins:	Dents or Bruises, .05" deep, 1.0" dia., 12.0" apart.	Holes:		
		.5" dia., 12.0" apart	6/9 17, 18, 29, 30	6/36 6/38
		1.0" dia., 12.0" apart	6/9 17, 18, 29, 30	
		2.0" dia., 18.0" apart	6/9 17, 18, 29, 30	
		3.0" dia. (one only per Skin)	6/9 17, 18, 29, 30	
Ribs:	Dents or Bruises, .02" deep, .5" dia., 6.0" apart.	Holes:		
		.5" dia. (one only per Rib)	6/9	6/35
		1.0" dia. (one only per Rib)	6/9	6/37
Flap Shrouds (Inner and Outer) Skins:	Dents or Bruises, .02" deep, .5" dia., 12.0" apart.	.5" dia., 12.0" apart	6/9 17, 18, 29, 30	6/37
		1.0" dia., 18.0" apart	6/9 17, 18, 29, 30	
		2.0" dia., 18.0" apart	6/9 17, 18, 29, 30	
		3.0" dia., 18.0" apart	6/9 17, 18, 29, 30	
		7.0" dia., 24.0" apart	6/39	
Stiffeners:	Dents or Bruises, .02" deep, .5" dia., 12.0" apart.	1.0" dia., 12.0" apart	6/43 17, 18, 38, 39	6/38
Ribs:	Dents or Bruises, .02" deep, 1.0" dia., 12.0" apart.	Holes:		
		.5" dia., 12.0" apart	6/9 17, 18, 29, 30	6/36 6/39
		1.0" dia., 12.0" apart	6/9 17, 18, 29, 30	
		1.0" dia. (Flange), 12.0" apart	6/44 16, 37, 38, 53, 54	
Dive Brake Flap Skin:	Dents or Bruises, .05" deep, .5" dia., 12.0" apart.	Holes:		
		.5" dia., 12.0" apart	6/9 17, 18, 29, 30	6/40
		1.0" dia., 12.0" apart	6/9 17, 18, 29, 30	
		2.0" dia. (one only per Skin)	6/9 17, 18, 29, 30	
Ribs:	Dents or Bruises, .02" deep, .5" dia. (one only per Rib).	Holes:		
		1.0" Flange (one only per Rib)	6/44 16, 37, 38, 53, 54	6/40
Dive Brake Shroud Skin:	Dents or Bruises, .02" deep, 1.0" dia., 12.0" apart.	Holes:		
		.5" dia., 12.0" apart	6/9 17, 18, 29, 30	6/41
		1.0" dia., 12.0" apart	6/9 17, 18, 29, 30	
		2.0" dia., 18.0" apart	6/9 17, 18, 29, 30	
		3.0" dia., 18.0" apart	6/9 17, 18, 29, 30	
Ribs:		1.0" dia., Flange (one only per Rib)	6/44 16, 37, 38, 53, 54	6/41

NOTE: Repair Materials — See Table 3.

TABLE 39
RIBS AND TANK ARCH
DEFINITION OF NEGLIGIBLE AND REPAIRABLE DAMAGE

Rib No.	Definition of Damage.	Repair Fig. No.	Repair Material Item Nos.	Key Diagram Fig. No.
1, 1A, 1B	Negligible. Dents or Bruises, .03" deep, 2.0" dia., 12.0" apart.	—	—	6/18 6/19
2	Holes: (a)	6/22	16, 17, 25, 26	6/20
3	(b) and (c)	6/23	15, 16, 17, 29, 30	6/20
4	(a) and (d)	6/22	16, 17, 25, 26	6/20
5, 5A	Dents or Bruises, .05" deep, 2.0" dia., 12.0" apart.	6/23	15, 16, 17, 29, 30	6/20
6, 6A, 7, 8, 9	(a) and (d)	6/22	16, 17, 25, 26	6/21
10, 11	(b) and (c)	6/23	15, 16, 17, 29, 30	6/21
	(e)	6/24	17, 29, 30	6/21
12, 13	(d)	6/22	16, 17, 25, 26	6/21
	(b) and (c)	6/23	15, 16, 17, 29, 30	6/21
	(e)	6/24	17, 29, 30	6/21
14	(b)	6/23	15, 16, 17, 29, 30	6/21
Tank Arch	(d)	6/22	16, 17, 25, 26	6/17

(a) Holes up to one inch diameter	} Position of repairable damage to be 12.0" apart minimum.
(b) .5" x 1.0" damage at flanged hole	
(c) 1.0" diameter between flanged holes	
(d) 1.0" flange insertion	
(e) Rib insertion (one only per Rib)	

NOTE: Repair Materials—See Table 3.

TABLE 40
MAINPLANE
COMPONENT DETAILS

See Fig. 6/1, Ref. DH. Dwg. D004713/2, D004714A/2.

Key No.	Part No.	Description.	Repair Fig. No.
	Port.	Starboard.	
1.	D003503	D003504 Top Skin	6/7
2.	D003505	D003506 Bottom Skin	6/8
3.	D003677/1	D003678/1 Main Spar	6/2
4.	D003507	D003508 Arrangement of Stringers	6/15, 6/16
5.	D004715	D004716 Assembly Rib No. 1	6/18
6.	D003679	D003680 False Spar	6/3
8.	D001027	D001028 Assembly of Air Duct in Wing	6/25
9.	D004339	D004340 Assembly of Tank Arch	6/17
10.	D001973	D001974 Assembly of Stub Boom to Wing	4/45
11.	D003999	D004000 Assembly of Stub Plane L.E.	—
12.	D00151A/1	D00152A/1 Wing Tip	6/46
13.	D001605	D001606 Inboard Flap	6/36
14.	D001953	D001954 Outboard Flap	6/38
15.	D001955	D001956 Inboard Flap Shroud	6/37
16.	D001957	D001958 Outboard Flap Shroud	6/40
17.	D002175	D002176 Dive Brake Flap	6/41
18.	D003933	D003934 Dive Brake Shroud	6/42
19.	D001507/2A	D001508/2A Aileron	6/31

TABLE 40 (Continued)

Key No.	Part No.	Starboard.	Description.	Repair Fig. No.
20.	D003409	D003410	Arrangement of Aileron Shroud	6/35
21.	D001821	D001822	Arrangement of Aileron Inboard Hinge and Control Pulley	—
22.	D001387	D001388	Arrangement of Aileron Outboard Hinges	—
23.	D001763	D001764	Arrangement of Flap Hinge Inboard Side of Boom	—
24.	D001765	D001766	Arrangement of Flap Hinge Outboard Side of Boom	—
25.	D001185	D001186	Assembly of Wing Joint 'A'	6/47
26.	D001187	D001188	Assembly of Wing Joint 'B'	6/47
27.	D00825	D00826	Assembly of Wing Joint 'C'	6/47
28.	D003709	D003710	Assembly of Wheel Well in Wing	6/26
29.	D004201	D004202	Assembly of Undercarriage Diaphragms in Wing	6/26
30.	D002317	D002318	Installation of Dive Brakes	6/41
31.	D006183	D006184	Assembly of Top and Bottom Fillets	—
32.	D001135	D001136	Arrangement of Stringer Attachment Brackets, Rib 1 and 1A	—
33.	D003345AND	D003346AND	Assembly of Leading Edge Complete	6/14
34.	D003805	D003806	Assembly of Tank Doors	6/29, 6/30

TABLE 41

MAINS PAR

MATERIAL DETAILS

See Fig. No. 6/2.

NOTE: For "Spares" Wing Complete, see 00D25-6A/1 (Ref. Only).

Key No.	Part No.	Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D001911	D001912	Alum. Alloy	DTD. 364	—	Top Boom
2.	D001913	D001914	Alum. Alloy	DTD. 364	—	Bottom Boom
3.	D004067ND	D004068ND	Alclad	DTD. 390	12	Inner Section
4.	D004069ND	D004070ND	Alclad	DTD. 390	14	Middle Section
5.	D004071ND	D004072ND	Alclad	DTD. 390	14	Outer Section
6.	D004073ND	D004073ND	Alclad	DTD. 390	12	Reinforcing Plate
7.	D004077ND	D004077ND	Alclad	DTD. 390	18	Reinforcing Plate
8.	D004075ND	D004076ND	Alclad	DTD. 390	14	Joint Plate, Bottom
9.	D003419ND	D003420ND	Alclad	DTD. 390	14	Joint Plate, Top
10.	D00393ND	D00393ND	Alum. Alloy	L. 40	—	Stiffener
11.	D00394ND	D00394ND	Alum. Alloy	L. 40	—	Stiffener
12.	D00395ND	D00395ND	Alum. Alloy	L. 40	—	Stiffener
13.	D00396ND	D00396ND	Alum. Alloy	L. 40	—	Stiffener
14.	D00397ND	D00397ND	Alum. Alloy	L. 40	—	Stiffener
15.	D00398ND	D00398ND	Alum. Alloy	L. 40	—	Stiffener
16.	D001943ND	D001943ND	Alum. Alloy	L. 40	—	Stiffener
17.	D001944ND	D001944ND	Alum. Alloy	L. 40	—	Stiffener
18.	D001945ND	D001945ND	Alum. Alloy	L. 40	—	Stiffener
19.	D001946ND	D001946ND	Alum. Alloy	L. 40	—	Stiffener
20.	D004313A	D004314A	Alclad	DTD. 390	16	Angle
21.	D003307A	D003308A	Alclad	DTD. 390	16	Angle
22.	D00903	D00904	Alclad	DTD. 390	12	Reinforcing Angle
23.	D004257	D004258	H.T.S.	DTD. 473	H. & T.	Wing Attachment Plate
24.	D00741	D00741	Alum. Alloy	DTD. 423A or L. 40	—	Bracket
25.	D00901	D00902	Alclad	DTD. 390	12	Post
26.	D00742	D00742	Alum. Alloy	DTD. 423A or L. 40	—	Bracket
27.	D004255	D004256	H.T.S.	DTD. 473	H. & T.	Wing Attachment Plate
28.	D00905	D00906	Alclad	DTD. 390	12	Reinforcing Angle
29.	D004582	D004582	—	—	—	Special Bolt
30.	D004581	D004581	—	—	—	Special Bolt
31.	D004583 Mk. 2	D004583 Mk. 2	—	—	—	Special Bolt
32.	D004583 Mk. 1	D004583 Mk. 1	—	—	—	Special Bolt
33.	D00545 Mk. 1	D00545 Mk. 1	—	—	—	Special Bolt
34.	D004001	D004002	Alclad	DTD. 390	14	Stiffener, Main Spar

TABLE 42
FALSE SPAR
MATERIAL DETAILS

See Fig. No. 6/3, Ref. DH. Dwg. D003679-80.

Key No.	Port.	Part No. Starboard.	Material.	Specification.	S.W.G.	Description.
1.	D00205ND	D00206ND	Alclad	DTD. 390	18	Spar, Inboard Portion
2.	D004213ND	D004214ND	Alclad	DTD. 390	16	Spar, Inboard Centre Portion
3.	D003315ND	D003316ND	Alclad	DTD. 390	18	Spar, Outboard Centre Portion
4.	D00211ND	D00212ND	Alclad	DTD. 390	18	Spar, Outboard Portion
5.	D00230	D00230	Alclad	DTD. 390	16	Joint Plate
6.	D00229	D00228	Alclad	DTD. 390	16	Bottom Stiffening Angle
7.	D00609ND	D00609ND	Alclad	DTD. 390 or L. 38	16	Packing
8.	D00231	D00232	Alclad	DTD. 390 or L. 38	16	Top Stiffening Angle
9.	D00671	D00672	Alclad	DTD. 390 or L. 38	14	Stiffener
10.	D0093	D0093	Mag. Alloy or Copper Alum. Alloy	DTD. 300 or DTD. 298	Casting	Hinge Bracket
11.	D002940	D002940	Alclad	DTD. 390 or L. 38	12	Reinforcing Plate
12.	D002941	D002941	Alclad	DTD. 390 or L. 38	12	Reinforcing Plate
13.	D00699ND	D00699ND	Standard Section A1154, Ident. No. I2/11218-10		—	Stiffener
14.	D00699ND	D00699ND	Standard Section A1154, Ident. No. I2/11218-10		—	Stiffener
15.	D0094	D0094	Mag. Alloy or Copper Alum. Alloy	DTD. 300 or DTD. 298	Casting	Hinge Bracket
16.	D00697ND	D00697ND	Standard Section A1154, Ident. No. I2/11218-10		—	Stiffener
17.	D00225	D00224	Alclad	DTD. 390	18	Stiffening Bracket
18.	D00227B	D00226B	Alclad	DTD. 390	18	Stiffening Bracket (Assembled on D00226-7A)
19.	D00607	D00608	Alclad	DTD. 390 or L. 38	18	Joint Angle
20.	D00605	D00606	Alclad	DTD. 390 or L. 38	26	Packing for Angle
21.	D00233	D00234	Alclad	DTD. 390 or L. 38	18	Joint Angle
22.	D00237	D00238	Alclad	DTD. 390 or L. 38	26	Angle Packing
23.	D001755B	D001755B	M.S.P.	S. 3 or DTD. 124A (soft)	18	Inboard Angle
24.	D001755C	D001755C	M.S.P.	S. 3 or DTD. 124A (soft)	18	Outboard Angle
25.	D001755D	D001755D	M.S.P.	S. 3 or DTD. 124A (soft)	18	Channel, Top
26.	D001755E	D001755E	M.S.P.	S. 3 or DTD. 124A (soft)	18	Channel, Bottom
27.	D002767	D002768	Alclad	L. 38 or DTD. 390	18	Reinforcing Angle
28.	D001287	D001287	Fabric Reinforcing Bakelite	F. 294/9	—	Locating Pad
29.	D001601	D001601	Alum. Copper Alloy	DTD. 304	Casting	Main Hinge Bracket, Outer Flap
30.	D001043ND	D001043ND	Alclad	DTD. 390	16	Reinforcing Plate
31.	D001289B	D001289B	Alclad	DTD. 390 or L. 38	18	Mounting Bracket (Assembled on D001289A)
32.	D002085	D002085	Mag. Alum. or Copper Alloy	DTD. 300	Casting	Hinge Bracket
33.	D00215ND	D00216ND	Alclad	DTD. 390	18	Joint Plate
34.	D00213ND	D00214ND	Alclad	DTD. 390	18	Joint Plate
35.	D003723	D003724	Alclad	DTD. 390 or L. 38	14	Tank Door Attachment Angle

TABLE 42 (Continued)

Key No.	Port.	Part No. Starboard.	Material.	Specification.	S.W.G.	Description.
36.	D004133	D004134	Alclad	DTD. 390 or L. 38	18	Support Bracket
37.	D004135	D004136	Alclad	DTD. 390 or L. 38	18	Support Bracket
38.	D004137	D004138	Alclad	DTD. 390 or L. 38	18	Support Bracket
39.	D004139	D004140	Alclad	DTD. 390 or L. 38	18	Support Bracket
40.	D004141	D004142	Alclad	DTD. 390 or L. 38	18	Support Bracket
41.	D004144	D004144	Alclad	DTD. 390 or L. 38	18	Support Bracket

TABLE 43
MAINPLANE — TOP SKIN
MATERIAL DETAILS

See Fig. No. 6/7, Ref. DH. Dwg. D003503-4.

Key No.	Port.	Part No. Starboard.	Material.	Specification.	S.W.G.	Description.
1.	D002481ND	D002482ND	Alclad	DTD. 390	16	Inboard Forward Skin Panel
2.	D004711ND	D004710ND	Alclad	DTD. 390	16	Inboard Rear Skin Panel
3.	D003811ND	D003812ND	Alclad	DTD. 390	18	Forward Skin Panel
4.	D003819ND	D003820ND	Alclad	DTD. 390	18	Rear Skin Panel
5.	D002719ND	D002720ND	Standard Section A1154, Ident. No. 12/11218-10	—	—	Stiffener
6.	D002721ND	D002722ND	Standard Section A1154, Ident. No. 12/11218-10	—	—	Stiffener
7.	D001947ND	D001948ND	Alclad	DTD. 390	16	Reinforcing Plate
8.	D001937	D001937	Alclad	DTD. 390	18	Cover Plate
9.	D00701ND	D00702ND	Alclad	DTD. 390	16	Top Butt Strap
10.	D00821ND	D00822ND	Alclad	DTD. 390	16	Joint Strap
11.	D003809ND	D003810ND	Alclad	DTD. 390	16	Reinforcing Strip
12.	D004649ND	D004649ND	Alclad	DTD. 390	14	Doubling Plate
13.	D004651ND	D004651ND	Alclad	DTD. 390	16	Door Panel
14.	D003407ND	D003408ND	Alclad	DTD. 390	18	Doubling Plate
15.	D003829ND	D003829ND	Alclad	DTD. 390	20	Packing Ring
16.	—	D003783ND	Alclad	DTD. 390	18	Doubling Plate
17.	—	D003782ND	Alclad	DTD. 390	18	Access Door
18.	D001359	—	Steel	DHA. 28 or S. 3	20	Cover Plate
19.	D003983ND	D003984ND	Alclad	DTD. 390	18	L.E. Strap Plate

TABLE 44
MAINPLANE — BOTTOM SKIN
MATERIAL DETAILS

See Fig. No. 6/8, DH. Ref. Dwg. D003505-6A.

Key No.	Port.	Part No. Starboard.	Material.	Specification.	S.W.G.	Description.
1.	D003937ND	D003938ND	Alclad	DTD. 390	16	Inboard Skin Panel
2.	D003921ND	D003922ND	Alclad	DTD. 390	18	Forward Skin Panel
3.	D003923ND	D003924ND	Alclad	DTD. 390	18	Outboard Skin Panel
4.	D003931ND	D003932ND	Alclad	DTD. 390	18	Rear Skin Panel
5.	D003929ND	D003930ND	Alclad	DTD. 390	16	Intermediate Skin Panel
6.	D003925ND	D003926ND	Alclad	DTD. 390	18	Shroud Skin Panel
7.	D004933ND	D004934ND	Alclad	DTD. 390	12	Door (Assembled on D004925A)
8.	D003657ND	D003658ND	Alclad	DTD. 390	12	Butt Strap (Assembled on D003655)
9.	D00707ND	D00707ND	Alclad	DTD. 390	16	* Cover Plate (Assembled on D003655)
10.	D001292A	D001292A	M.S.	S. 3 or DHA. 28	20	Cover Plate
11.	D003821ND	D003821ND	Alclad	DTD. 390	18	Cover Plate
12.	D003823ND	D003823ND	Alclad	DTD. 390	16	Reinforcing Plate (Assembled on D003813A)
13.	D003689ND	—	Alclad	DTD. 390	14	Doubling Plate
14.	—	D003690ND	Alclad	DTD. 390	14	Doubling Plate
15.	—	D003691ND	Alclad	DTD. 390	18	Access Door
16.	D003519A	D003520A	—	—	—	L.E. Channel at Ribs 2-5
17.	D002583	D002584	Alclad	DTD. 390	10	L.E. Tank Door
18.	D002585	D002586	Alclad	DTD. 390	10	Main Wing Tank Door
19.	D005023ND	D005024ND	Alclad	DTD. 546	6	Inner Tank Door.

* Pre-Mod. V.30. — Deleted on Port Wing and replaced by 00D133ND Post-Mod. V.30 to cover dimensional changes.

TABLE 45
TANK ARCH
MATERIAL DETAILS

See Fig. No. 6/17, Ref. DH. Dwg. D001087-8A.

Key No.	L.H.	Part No.	R.H.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D001007		D001008	Alclad	DTD. 390	16	Tank Arch
2.	D001010		D001011	Alclad	DTD. 390	16	Joint Plate, Inboard
3.	D001012		D001013	Alclad	DTD. 390	16	Joint Plate, Outboard
4.	D001081		D001082	Alclad	DTD. 390	16	Post
5.	D001085		D001086	Alclad	DTD. 390	16	Joint Plate, Inboard
6.	D001083		D001084	Alclad	DTD. 390	16	Joint Plate, Outboard
7.	D001097		D001097	Dural	DTD. 423A or L. 1	—	Block

TABLE 46
WING RIB No. 1A
MATERIAL DETAILS

See Fig. No. 6/18, DH. Ref. Dwg. D00851-2A.

Key No.	L.H.	Part No.	R.H.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D00847ND		D00846ND	Alclad	DTD. 390	16	Top Frame
2.	D00831ND		D00832ND	Alclad	DTD. 390	18	Top Boom Reinforcing
3.	D00841		D00841	Alclad	DTD. 390	18	Stringer Bracket
4.	D003473A		D003474A	—	—	—	Stringer Bracket Assembly
5.	D003477A		D003478A	—	—	—	Stringer Bracket Assembly
6.	D00839		D00839	Alclad	DTD. 390	18	Stringer Bracket
7.	D001051		D001050	Alclad	DTD. 390	16	Top Bracket
8.	D004259		D004260	Alum. Alloy Bar	L. 40	—	Top Joint Fitting
21.	D00835		D00836	Alclad	DTD. 390	14	Top Channel
26.	D00837		D00838	Alclad	DTD. 390	12	Bottom Channel
37.	D004261		D004262	Alum. Alloy Bar	L. 40	—	Bottom Joint Fitting
38.	D001053		D001052	Alclad	DTD. 390	16	Bottom Bracket
39.	D003479A		D003480A	—	—	—	Stringer Bracket Assembly
40.	D003475A		D003476A	—	—	—	Stringer Bracket Assembly
41.	D00840		D00840	Alclad	DTD. 390	18	Stringer Bracket
42.	D00843ND		D00844ND	Alclad	DTD. 390	16	Joint Plate
43.	D00833ND		D00834ND	Alclad	DTD. 390	18	Bottom Boom Reinforcing
44.	D00849ND		D00848ND	Alclad	DTD. 390	16	Bottom Frame
45.	D00845ND		D00845ND	Alclad	DTD. 390	16	Joint Plate

TABLE 47
WING RIB No. 1B
MATERIAL DETAILS

See Fig. No. 6/18, Ref. DH. Dwg. D003175-6A.

Key No.	L.H.	Part No.	R.H.	Material.	Specifica- tion.	S.W.G.	Description.
52.	B.726		B.726	Teleflex Part	—	—	Clamp Block
53.	D00753		D00754	Alclad	DTD. 390	18	Stringer Bracket
54.	D00769		D00770	Alclad	DTD. 390	18	Stringer Bracket
55.	D00757		D00758	Alclad	DTD. 390	18	Stringer Bracket
56.	D002624		D002624	Alclad	DTD. 390	18	Angle
57.	D001232ND		D001232ND	Alclad	DTD. 390	18	Angle
58.	D00756		D00755	Alclad	DTD. 390	18	Stringer Bracket
59.	D00754		D00753	Alclad	DTD. 390	18	Stringer Bracket
60.	D002475ND		D002476ND	Alclad	DTD. 390	18	Rib Web
61.	D004215ND		D004215ND	Alclad	DTD. 390	18	Bracket

TABLE 48
WING RIB No. 1
MATERIAL DETAILS

See Fig. No. 6/18, Ref. DH. Dwg. D004715-6A.

Key No.	L.H.	Part No. R.H.	Material.	Specifica- tion.	S.W.G.	Description.
9.	D004263	D004264	Alum. Alloy	L. 40	—	Top Attachment Fitting
10.	D006133A	D006134A	—	—	—	Stiffener, No. 1 Assembly
11.	D006087A	D006088A	M.S.P.	DTD. 124	18	Top Stiffener
12.	D006169	D006170	Alclad	DTD. 390 or L. 38	18	Cross Stiffener
13.	D006119A	D006120A	—	—	—	Stiffener, No. 3 Assembly
14.	D006143A	D006144A	—	—	—	Stiffener, No. 4 Assembly
15.	D006121A	D006122A	—	—	—	Stiffener, No. 5 Assembly
16.	D006185A	D006186A	—	—	—	Stiffener, No. 6 Assembly
17.	D006175A	D006176A	—	—	—	Stiffener, No. 7 Assembly
18.	D006199A	D006200A	—	—	—	Stiffener, No. 8 Assembly
19.	D006213A	D006214A	—	—	—	Stiffener, No. 9 Assembly
20.	D001133A	D001134A	—	—	—	Stiffener
22.	D006047	D006048	Alclad	DTD. 390	8	Top Outer Boom
23.	D006049	D006050	Alclad	DTD. 390	12	Top Inner Boom
24.	D006053	D006054	Alclad	DTD. 390	12	Bottom Inner Boom
25.	D006051	D006052	Alclad	DTD. 390	10	Bottom Outer Boom
27.	D002448A	D002448A	—	—	—	Bolt Plate Assembly
28.	D006253A	D006254A	—	—	—	Stiffener
29.	D001125A	D001126A	Alclad	DTD. 390	16	Stiffener Assembly
30.	D00623ND	D00624ND	Alclad	DTD. 390	18	Main Web
31.	00D733	00D734	—	—	—	Rubbing Plate Assembly
32.	D006091	D006091	Alclad	DTD. 390	18	Stiffener No. 2
33.	D006089A	D006090A	M.S.P.	DTD. 124	18	Bottom Stiffener
34.	D006171	D006172	Alclad	DTD. 390 or L. 38	18	Cross Stiffener
35.	3B9	3B9	—	—	—	Bonding Flexible
36.	D004265	D004266	Alum. Alloy	Bar L. 40	—	Bottom Attachment Fitting
46.	D004795A	D004794A	Alclad	DTD. 390	16	Front Attachment Plate
47.	D001181	D001182	Alclad	DTD. 390	18	Stringer Bracket
48.	D001183	D001184	Alclad	DTD. 390	18	Stringer Bracket
49.	D001197	D001198	Alclad	DTD. 390	20	Stringer Bracket
50.	D001199	D001200	Alclad	DTD. 390	20	Stringer Bracket
51.	D001161	D001162	Alclad	DTD. 390	18	Rear Attachment Plate

TABLE 49
WING RIB No. 2
MATERIAL DETAILS

See Fig. No. 6/19, Ref. DH. Dwg. D003729-30A.

Key No.	L.H.	Part No. R.H.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D003547ND	D003548ND	Alclad	DTD. 390	16	Top Nose Rib Stiffener
2.	D002777	D002778	Alclad	DTD. 390	18	Stringer Bracket
3.	D00753	D00754	Alclad	DTD. 390	18	Stringer Bracket
4.	D00755	D00756	Alclad	DTD. 390	18	Stringer Bracket
5.	D00775	D00776	Alclad	DTD. 390	18	Stringer Bracket
6.	D001042	D001042	H.T.S. Bar	S. 11	—	Special Bolt
7.	D001039	D001039	M.S. Bar	S. 1	.080"	Special Washer
8.	D00621	D00622	Alum. Alloy	L. 40	—	Joint Fitting, Outboard
9.	D00617	D00618	Alum. Alloy	L. 40	—	Joint Fitting, Inboard
10.	D00935ND	D00936ND	Alclad	DTD. 390	14	Reinforcing Angle, Outboard
11.	D002603ND	D002604ND	NA. 7785 Sect.	Stores Ref. I.2/11228.	—	Web Stiffener No. 1
12.	D004918ND	D004918ND	Alclad	DTD. 390	18	Reinforcing Plate
13.	D00757	D00758	Alclad	DTD. 390	18	Stringer Bracket
14.	Z004455ND	Z004456ND	Alclad	DTD. 390	10	Channel
15.	D00939ND	D00940ND	Alclad	DTD. 390	16	Top Rear Stiffening Angle
16.	D001006ND	D001006ND	Alclad	DTD. 390	14	Post
17.	D00759	D00760	Alclad	DTD. 390	18	Stringer Bracket
18.	D002607ND	D002608ND	A.1154 Sect.	Stores Ref. No. I.2/11218-10	—	Web Stiffener No. 3
19.	Q00372	Q00372	Alclad	DTD. 390	16	Bracket
20.	D004015ND	D004016ND	Alclad	DTD. 390	16	Bottom Rear Stiffening Angle
21.	D003711ND	D003712ND	Alclad	DTD. 390	16	Reinforcing Plate
22.	D003319ND	D003320ND	Alclad	DTD. 390	18	Rib Pressing
23.	D004013ND	D004014ND	Alclad	DTD. 390	14	Double Plate

TABLE 49 (Continued)

Key No.	L.H.	Part No.	R.H.	Material.	Specifica- tion.	S.W.G.	Description.
24.	D002601ND		D002602ND	Alclad	DTD. 390	12	Centre Reinforcing Angle
25.	D004011ND		D004012ND	Alclad	DTD. 390	14	Reinforcing Angle, Outboard
26.	D004009ND		D004010ND	Alclad	DTD. 390	14	Reinforcing Angle, Inboard
27.	D00623		D00624	Alum. Alloy	L. 40	—	Joint Fitting, Outboard
28.	D00619		D00620	Alum. Alloy	L. 40	—	Joint Fitting, Inboard
30.	D003553ND		D023554ND	Alclad	DTD. 390	18	Nose Rib Vertical Stiffener
31.	D003551ND		D003552ND	Alclad	DTD. 390	18	Nose Rib Vertical Stiffener
32.	D003549ND		D003550ND	Alclad	DTD. 390	16	Nose Rib Bottom Stiffener
33.	D003555ND		D003556ND	Alclad	DTD. 390	16	Attachment Angle
34.	D003527		D003528	Alclad	DTD. 390	16	Channel Attachment
35.	D00933ND		D00934ND	Alclad	DTD. 390	14	Reinforcing Angle, Inboard
36.	Z004461ND		Z004462ND	Alclad	DTD. 390	12	Packing Piece
37.	D003343ND		D003344ND	Alclad	DTD. 390	14	Reinforcing Angle
38.	D00601		D00602	Alum. Alloy	L. 40	—	Joint Fitting, Inboard
39.	D002759		D002760	Alum. Alloy	L. 40	—	Joint Fitting, Inboard
40.	D003344ND		D003343ND	Alclad	DTD. 390	14	Reinforcing Angle
41.	D003343ND		D003344ND	Alclad	DTD. 390	14	Reinforcing Angle
42.	D002757		D002758	Alum. Alloy	L. 40	—	Joint Fitting, Outboard
43.	D003317ND		D003318ND	Alclad	DTD. 390	18	Nose Rib Pressing
44.	D00603		D00604	Alum. Alloy	L. 40	—	Joint Fitting, Outboard
45.	D003344ND		D003343ND	Alclad	DTD. 390	14	Reinforcing Angle

TABLE 50

WING RIB No. 3

MATERIAL DETAILS

See Fig. No. 6/20, Ref. DH. Dwg. D002549-50 (Nose)
D003731-2A (Centre)

Key No.	Port.	Part No.	Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D003541ND	D003542ND	Alclad	DTD. 390	18	Inboard Web	
2.	D003543ND	D003544ND	Alclad	DTD. 390	18	Outboard Web	
3.	D003545ND	D003456ND	Alclad	DTD. 390	18	Channel	
4.	D00776	D00775	Alclad	DTD. 390	18	Stringer Bracket	
5.	D004167ND	D004168ND	Alclad	DTD. 390	18	Centre Rib Pressing	
6.	D004169ND	D004170ND	Alclad	DTD. 390	10	Rib Reinforcing Plate	
7.	D004163ND	D004164ND	Alclad	DTD. 390	8	Top Reinforcing Angle	
8.	D004165ND	D004166ND	Alclad	DTD. 390	8	Bottom Reinforcing Angle	
9.	D001807ND	D001807ND	Alclad	DTD. 390	14	Reinforcing Plate	
10.	D003490ND	D003491ND	Standard Sect. 7785, Ident. No. I.2/11228		—	Web Stiffener No. 1	
11.	D003275ND	D003276ND	Standard Sect. 7785, Ident. No. I.2/11228		—	Web Stiffener No. 2	
12.	D00493ND	D00494ND	Standard Sect. 7785, Ident. No. I.2/11228		—	Web Stiffener No. 3	
13.	D002617ND	D002618ND	Sect. A.1154, Ident. No. I.2/11218-10		—	Web Stiffener No. 4	
14.	D003277ND	D003278ND	Sect. A.1154, Ident. No. I.2/11218-10		—	Web Stiffener No. 5	
15.	D00765	D00766	Alclad	DTD. 390	18	Bracket	
16.	D00989	D00990	Alclad	DTD. 390	18	Bracket	
17.	D001169	D001170	Alclad	DTD. 390	18	Bracket	
18.	P001920	P001920	Alclad	DTD. 390 or L. 38	16	Bracket	
19.	P00737	P00738	Alclad	DTD. 390	16	Bracket	
20.	Q00285	Q00285	Alclad	DTD. 390 or L. 38	16	Bracket	

TABLE 51
WING RIB No. 4
MATERIAL DETAILS

See Fig. No. 6/20, Ref. DH. Dwg. D002551-2A,
D003733-4A.

Key No.	Port.	Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D003535ND	D003536ND	Alclad	DTD. 390	18	Inboard Web
2.	D003537ND	D003538ND	Alclad	DTD. 390	18	Outboard Web
3.	D003539ND	D003540ND	Alclad	DTD. 390	18	Channel
4.	D00775	D00776	Alclad	DTD. 390	18	Stringer Bracket
(See also 00D823-4 and 00D817-8, Stringer Brackets, Post-Mod. V.83.)						
5.	D002401ND	D002402ND	Alclad	DTD. 390	18	Rib Pressing
6.	D001241ND	D001241ND	Alclad	DTD. 390	18	Angles
8.	D00965ND	D00966ND	Alclad	DTD. 390	18	Angles
(D003375-6ND additional on Port Wing.)						
9.	D00969ND	D00969ND	Alclad	DTD. 390	18	Packing Strips
10.	D003321ND	D003322ND	Alclad	DTD. 390	18	Rib Pressing
11.	D002399ND	D002400ND	Alclad	DTD. 390	18	Rib Doubling Plate
12.	D002403ND	D002403ND	Alclad	DTD. 390	18	Lap Plate
13.	P002652	P002652	Alclad	DTD. 390	16	Bracket
14.	P001816	P001816	Dural	DTD. 270	16	Bracket
			or L. 3			
15.	D00967ND	D00968ND	Alclad	DTD. 390	18	Cap Strip
16.	D002627ND	D002628ND	Alclad	DTD. 390	14	Corner Packing
17.	D00757	D00758	Alclad	DTD. 390	18	Stringer Bracket
18.	D00777	D00778	Alclad	DTD. 390	18	Stringer Bracket
19.	D00781	D00782	Alclad	DTD. 390	18	Stringer Bracket
20.	D00759	D00760	Alclad	DTD. 390	18	Stringer Bracket
21.	D002763ND	D002764ND	Alclad	DTD. 390	18	Angles

TABLE 52
WING RIB No. 5
MATERIAL DETAILS

See Fig. No. 6/20, Ref. DH. Dwg. D004943-4A,
D004297-8A.

Key No.	Port.	Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D004945ND	D004946ND	Alclad	DTD. 390	18	Rib Pressing
2.	D004947ND	D004948ND	Alclad	DTD. 390	18	Top Stiffener
3.	D004949ND	D004950ND	Alclad	DTD. 390	18	Bottom Stiffener
4.	D003525	D003526	Alclad	DTD. 390	16	Channel Attachment
5.	D003529ND	D003530ND	Standard Sect. A.1154, Ident No. I.2/11218-10		—	Web Stiffener
6.	D003531ND	D003532ND	Standard Sect. A.1154, Ident No. I.2/11218-10		—	Web Stiffener
7.	D003267	D003268	Alclad	DTD. 390	18	Stringer Bracket
8.	D003269	D003270	Alclad	DTD. 390	18	Stringer Bracket
9.	D003271	D003272	Alclad	DTD. 390	18	Stringer Bracket
10.	D004299ND	D004300ND	Alclad	DTD. 390	18	Rib Pressing
11.	D004301ND	D004302ND	Alclad	DTD. 390	12	Top Stiffener
12.	D004303ND	D004304ND	Alclad	DTD. 390	12	Bottom Stiffener
13.	D003563ND	D003563ND	Alclad	DTD. 390	14	Bottom Spreader Plate
14.	D003561ND	D003561ND	Alclad	DTD. 390	14	Top Spreader Plate
15.	D003565ND	D003566ND	Alclad	DTD. 390	18	Vertical Stiffener
16.	D001025A	D001025A	M.S.P.	S. 3 or DTD. 124A (soft)	18	Hinge Bracket
17.	D003575ND	D003576ND	Alclad	DTD. 390	18	Post
18.	D003567ND	D003568ND	Alclad	DTD. 390	18	Vertical Stiffener
19.	D003569ND	D003570ND	Alclad	DTD. 390	18	Vertical Stiffener
20.	D003577ND	D003578ND	Alclad	DTD. 390	18	Post
21.	D001025A	D001025A	M.S.P.	S. 3 or DTD. 124A (soft)	18	Hinge Bracket
22.	D003571ND	D003572ND	Alclad	DTD. 390	18	Vertical Stiffener
23.	D003573ND	D003574ND	Alclad	DTD. 390	18	Vertical Stiffener
24.	D002009	D002009	M.S.P.	S. 3 or DTD. 124A (soft)	18	Reinforcing Plate
25.	D006811	D006811	M.S.P.	S. 3 or DTD. 124A (soft)	16	Bracket
26.	D00989	D00990	Alclad	DTD. 390	18	Stringer Bracket
27.	D00777	D00778	Alclad	DTD. 390	18	Stringer Bracket
28.	D00765	D00766	Alclad	DTD. 390	18	Stringer
29.	D003209	D003208	Alclad	DTD. 390	18	Stringer Bracket
30.	D00767	D00768	Alclad	DTD. 390	18	Stringer Bracket

TABLE 53
WING RIB No. 5A
MATERIAL DETAILS

See Fig. No. 6/20, Ref. DH. Dwg. D003683-4A.

Key No.	Port.	Part No. Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D003265ND	D003266ND	Alclad	DTD. 390 or L. 38	18	Rib Pressing
2.	D002013ND	D002013ND	Alclad	DTD. 390 or L. 38	16	Reinforcing Channel
3.	D002016	D002016	M.S.	DHA. 28 or S. 3	20	Washer Plate
4.	D002015	D002015	M.S.	S. 1	Bar	Bush
5.	D003417	D003418	Alclad	DTD. 390	18	Stringer Bracket

TABLE 54
WING RIB No. 6
MATERIAL DETAILS

*See Fig. No. 6/21, Ref. DH. Dwg. D004965-6/1,
D002557-8A.*

Key No.	Port.	Part No. Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D004989ND	D004990ND	Alclad	DTD. 390	18	Rib Pressing
2.	D003641ND	D003642ND	Alclad	DTD. 390	18	Channel Stiffener
3.	D003633	D003634	Alclad	DTD. 390	18	Stiffener
4.	D003635	D003636	Alclad	DTD. 390	18	Stiffener
5.	D003417ND	D003418ND	Alclad	DTD. 390	18	Stringer Bracket
	D007303ND	D007304ND*				
6.	D003615ND	D003616ND	Alclad	DTD. 390	18	Inboard Web
	D007301ND	D007302ND*				
7.	D003617ND	D003618ND	Alclad	DTD. 390	18	Outboard Web
8.	D003619ND	D003619ND	Alclad	DTD. 390	18	Channel
	D007295ND	D007295ND*				
9.	D003621	D003622	M.S.P.	S. 3	20	Bracket
10.	D003303	D003304	Alclad	DTD. 390	18	Stringer Bracket
11.	D00775	D00776	Alclad	DTD. 390	18	Stringer Bracket
12.	00D829	00D830	Alclad	DTD. 390	16	Stringer Brackets (3 off Post-Mod. V.83 only)

* Post-Mod. V.62.

TABLE 55
WING RIB No. 6A
MATERIAL DETAILS

See Fig. No. 6/21, Ref. DH. Dwg. D004967-8A.

Key No.	Port.	Part No. Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D004987ND	D004988ND	Alclad	DTD. 390	18	Rib Pressing
2.	D003413ND	D003414ND	Alclad	DTD. 390	18	Stiffener
3.	D003415ND	D003416ND	Alclad	DTD. 390	18	Stiffener
4.	D00775	D00776	Alclad	DTD. 390	18	Stiffener Bracket

TABLE 56
WING RIB No. 7
MATERIAL DETAILS

*See Fig. No. 6/21, Ref. DH. Dwg. D004953-4/1,
D004479-80/1.*

Key No.	Port.	Part No. Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D004963ND	D004964ND	Alclad	DTD. 390	18	Rib Pressing
2.	D004959ND	D004960ND	Alclad	DTD. 390	18	Angle
3.	D004961ND	D004962ND	Alclad	DTD. 390	18	Angle
4.	D00753	D00754	Alclad	DTD. 390	18	Stringer Bracket
5.	D00775	D00776	Alclad	DTD. 390	18	Stringer Bracket
6.	D004487ND	D004488ND	Alclad	DTD. 390	18	Rib Pressing
7.	D004491ND	D004492ND	Alclad	DTD. 390	18	Stiffener Rib Pressing
8.	D004493ND	D004494ND	Alclad	DTD. 390	12	Doubling Plate
9.	D003401ND	D003402ND	Alclad	DTD. 390	18	Reinforcing Angle
10.	D004497ND	D004498ND	Alclad	DTD. 390	18	Reinforcing Angle
11.	D003403ND	D003404ND	Alclad	DTD. 390	18	Stiffener
12.	D003405ND	D003406N	Alclad	DTD. 390	18	Stiffener
13.	D004481ND	D004482ND	Alclad	DTD. 390	18	Stiffener
14.	D003399ND	D003400ND	Alclad	DTD. 390	20	Guide Plate
15.	D003259ND	D003260ND	Alclad	DTD. 390	14	Packing
16.	D004499ND	D004500ND	Alclad	DTD. 390	14	Packing
17.	D003261ND	D003262ND	Alclad	DTD. 390	14	Packing
18.	D00777	D00778	Alclad	DTD. 390	18	Stringer Bracket
19.	D00757	D00758	Alclad	DTD. 390	18	Stringer Bracket

TABLE 57
WING RIB No. 8
MATERIAL DETAILS

See Fig. No. 6/21, Ref. DH. Dwg. D00249-50A,
D002561-2A.

Key No.	Port.	Part No. Starboard.	Material.	Specification.	S.W.G.	Description.
1.	D00249	D00250	Alclad	DTD. 390	20	Rib Pressing
2.	D00753	D00754	Alclad	DTD. 390	18	Stringer Bracket
3.	D00757	D00758	Alclad	DTD. 390	18	Stringer Bracket
4.	D003595ND	D003596ND	Alclad	DTD. 390	18	Inboard Web (Pre-Mod. V.62)
	D007309ND	D007310ND	Alclad	DTD. 390	18	Inboard Web (Post-Mod. V.62)
5.	D003597ND	D003598ND	Alclad	DTD. 390	18	Outboard Web (Pre-Mod. V.62)
	D007311ND	D007312ND	Alclad	DTD. 390	18	Outboard Web (Post-Mod. V.62)
6.	D003599ND	D003599ND	Alclad	DTD. 390	18	Channel (Post Mod. V.62)
	D007299ND	D007299ND	Alclad	DTD. 390	16	Channel (Post-Mod. V.62)
7.	D003303	D003304	Alclad	DTD. 390	18	Stringer Bracket
8.	D00775	D00776	Alclad	DTD. 390	18	Stringer Bracket

TABLE 58
WING RIB No. 9
MATERIAL DETAILS

See Fig. No. 6/21, Ref. DH. Dwg. D00253-4A,
D002897-8A.

Key No.	Port.	Part No. Starboard.	Material.	Specification.	S.W.G.	Description.
1.	D00253	D00254	Alclad	DTD. 390	20	Rib Pressing
2.	D00753	D00754	Alclad	DTD. 390	18	Stringer Bracket
3.	D00757	D00758	Alclad	DTD. 390	18	Stringer Bracket
4.	D003601ND	D003602ND	Alclad	DTD. 390	18	Inboard Web (Pre-Mod. V.62)
	D007305ND	D007306ND	Alclad	L. 38	18	Inboard Web (Post-Mod. V.62)
5.	D003603ND	D003604ND	Alclad	DTD. 390	18	Outboard Web (Pre-Mod. V.62)
	D007307ND	D007308ND	Alclad	L. 38	18	Outboard Web (Post-Mod. V.62)
6.	D003605ND	D003605ND	Alclad	DTD. 390	18	Channel (Pre-Mod. V.62)
	D007297ND	D007297ND	Alclad	L. 38	16	Channel (Post-Mod. V.62)
7.	D003303	D003304	Alclad	DTD. 390	18	Stringer Bracket
8.	D00775	D00776	Alclad	DTD. 390	18	Stringer Bracket

TABLE 59
WING RIB No. 10
MATERIAL DETAILS

See Fig. No. 6/21, Ref. DH. Dwg. D002913-4A,
D002565-6.

Key No.	Port.	Part No. Starboard.	Material.	Specification.	S.W.G.	Description.
1.	D006733	D006734	Alclad	DTD. 390	14	Rib Pressing
2.	D00769	D00770	Alclad	DTD. 390	18	Stringer Bracket
3.	D00753	D00754	Alclad	DTD. 390	18	Stringer Bracket
4.	D00757	D00758	Alclad	DTD. 390	18	Stringer Bracket
5.	D003589ND	D003590ND	Alclad	DTD. 390	18	Rib Pressing
6.	D003593ND	D003594ND	Alclad	DTD. 390	18	Doubling Plate
7.	D003587ND	D003587ND	Alclad	DTD. 390	18	Stiffener
8.	D003591ND	D003592ND	Alclad	DTD. 390	18	Stiffener
9.	D00757	D00758	Alclad	DTD. 390	18	Stringer Bracket
10.	D00777	D00778	Alclad	DTD. 390	18	Stringer Bracket

TABLE 60
WING RIB No. 11
MATERIAL DETAILS

See Fig. No. 6/21, Ref. DH. Dwg. D002915-6A/1,
D003735-6.

Key No.	Port.	Part No. Starboard.	Material.	Specification.	S.W.G.	Description.
1.	D006705	D006706	Alclad	DTD. 610	14	Rib Pressing
2.	D00769	D00770	Alclad	DTD. 390	18	Stringer Bracket
3.	D00753	D00754	Alclad	DTD. 390	18	Stringer Bracket
4.	D004355ND	D004356ND	Alclad	DTD. 390	20	Rib Pressing
5.	D001494	D001494	Alclad	DTD. 390	16	Conduit Clip Mounting
6.	D00757	D00758	Alclad	DTD. 390	18	Stringer Bracket
7.	D00777	D00778	Alclad	DTD. 390	18	Stringer Bracket

TABLE 61
WING RIB No. 12
MATERIAL DETAILS

See Fig. No. 6/21, Ref. DH. Dwg. D002919-20,
D00267-8.

Key No.	Port.	Part No. Starboard.	Material.	Specification.	S.W.G.	Description.
1.	D006707	D006708	Alclad	DTD. 610	14	Rib Pressing
2.	D00753	D00754	Alclad	DTD. 390	18	Stringer Bracket
3.	D00757	D00758	Alclad	DTD. 390	18	Stringer Bracket
4.	D001858ND	D001859ND	Alclad	DTD. 390	20	Rib Pressing
5.	D003202	D001495	L.F.S.	L.F.S. 23	—	Conduit Guide
6.	D00777	D00778	Alclad	DTD. 390	18	Stringer Bracket
7.	D00757	D00758	Alclad	DTD. 390	18	Stringer Bracket
8.	D00771	D00772	Alclad	DTD. 390	18	Stringer Bracket

TABLE 62
WING RIB No. 13
MATERIAL DETAILS

See Fig. No. 6/21, Ref. DH. Dwg. D002921-2,
D002923-4.

Key No.	Port.	Part No. Starboard.	Material.	Specification.	S.W.G.	Description.
1.	D006709	D006710	Alclad	DTD. 610	14	Rib Pressing
2.	D00753	D00754	Alclad	DTD. 390	18	Stringer Bracket
3.	D00757	D00758	Alclad	DTD. 390	18	Stringer Bracket
4.	D00271	D00272	Alclad	DTD. 390	20	Rib Pressing
5.	D00771	D00772	Alclad	DTD. 390	18	Stringer Bracket
6.	D00777	D00778	Alclad	DTD. 390	18	Stringer Bracket

TABLE 63
WING RIB No. 14
MATERIAL DETAILS

See Fig. No. 6/21, Ref. DH. Dwg. D00239-40.

Key No.	Port.	Part No. Starboard.	Material.	Specification.	S.W.G.	Description.
1.	D00239B	D00240B	Alclad	DTD. 390	20	Rib Pressing
2.	D002809ND	D002810ND	Alclad	DTD. 390 or L. 38	16	Packing Strip
3.	D002809ND	D002810ND	Alclad	DTD. 390 or L. 38	16	Packing Strip
4.	D001501	D001501	Alclad	DTD. 390 or L. 38	16	Conduit Mounting Bracket
5.	D00239C	D00239C	Alclad	DTD. 390	18	Top Nut Strip
6.	D00239D	D00239D	Alclad	DTD. 390	18	Bottom Nut Strip

TABLE 64
AIR DUCT IN WING
MATERIAL DETAILS

See Fig. No. 6/25, Ref. DH. Dwg. D001027-8A.

Key No.	Port.	Part No. Starboard.	Material.	Specification.	S.W.G.	Description.
1.	D004839	D004840	Mag. Alloy	L. 59	16, 18	Plating Entry Fairing
2.	D00635ND	D00636ND	Alclad	DTD. 390	16	Flange
3.	D001047ND	D001046ND	Alclad	DTD. 390 or L. 38	16	Doubling Strip
4.	D00805ND	D00806ND	Alclad	DTD. 390	16	Angle Reinforcing, Top
5.	D00807ND	D00808ND	Alclad	DTD. 390	16	Angle Reinforcing, Bottom
6.	D003163ND	D003162ND	Alclad	DTD. 390	16	Angle Reinforcing
8.	D004834A	D004835A	—	—	—	Rib, Top Inboard
9.	D001077A	D001078A	—	—	—	Rib, Bottom Inboard
10.	D001463	D001464	—	—	—	Guard
11.	D004836A	D004837A	—	—	—	Rib, Top Outboard
12.	D001079A	D001080A	—	—	—	Rib, Bottom Outboard
13.	D001455	D001456	—	—	—	Guard
14.	D00793	D00794	—	—	—	Nose Rib
15.	D00665ND	D00666ND	Alclad	DTD. 390	16	Frame
16.	D00667ND	D00668ND	Alclad	DTD. 390	12	Channel Reinforcing
17.	D002065ND	D002066ND	Mang. Alloy	DTD. 213A	18	Duct, Top Half
18.	D002067ND	D002068ND	Mang. Alloy	DTD. 213A	18	Duct, Bottom Half
19.	D002994ND	D002995ND	Alclad	DTD. 390	16	Flange
20.	D00639ND	D00640ND	Alclad	DTD. 390 or L. 38	16	Flange
21.	D00637ND	D00638ND	Alclad	DTD. 390 or L. 38	16	Flange

TABLE 64 (Continued)

Key No.	Port.	Part No. Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
22.	D00633ND	D00634ND	Alclad	DTD. 390 or L. 38	20	Stiffener
23.	D00631ND	D00632ND	Alclad	DTD. 390 or L. 38	20	Stiffener
24.	D002019ND	D002020ND	Alclad	DTD. 390 or L. 38	20	Stiffener, Top
25.	D002021ND	D002022ND	Alclad	DTD. 390 or L. 38	20	Stiffener, Bottom
26.	D002027ND	D002028ND	Alclad	DTD. 390 or L. 38	20	Stiffener, Top
27.	D002029ND	D002030ND	Alclad	DTD. 390 or L. 38	20	Stiffener, Bottom
28.	D002023ND	D002024ND	Alclad	DTD. 390 or L. 38	20	Stiffener, Top
29.	D002025ND	D002026ND	Alclad	DTD. 390 or L. 38	20	Stiffener, Bottom
30.	D002153ND	D002153ND	Alclad	DTD. 390 or L. 38	18	Gusset Plate
31.	D002154ND	D002154ND	Alclad	DTD. 390 or L. 38	18	Gusset Plate
32.	D00647ND	D00648ND	Alclad	DTD. 390 or L. 38	18	Gusset Plate, Top
33.	D003171	D003172ND	Alclad	DTD. 390 or L. 38	18	Gusset Plate, Bottom
34.	D003168ND	D003168ND	Alclad	DTD. 390 or L. 38	18	Gusset Plate, Top
35.	D002031ND	D002032ND	M.S.P.	S. 84	22	Strip Sealing
36.	D002033ND	D002033ND	M.S.T.	T. 1	22	Ring Sealing, 5/16" o/d.

TABLE 65

WHEEL WELL AND UNDERCARRIAGE DIAPHRAGM MATERIAL DETAILS

See Fig. No. 6/26, Ref. DH. Dwg. D003709-10A,
D005195-6.

Key No.	Port.	Part No. Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D003395ND	D003396ND	Alclad	DTD. 390	16	Front Centre Wall
2.	D003393ND	D003394ND	Alclad	DTD. 390	16	Front Bottom Angle
3.	D002779ND	D002780ND	Alclad	DTD. 390	16	Front Top Angle, Inboard
4.	D002781ND	D002782ND	Alclad	DTD. 390	16	Front Top Angle, Outboard
5.	D003397ND	D003398ND	Alclad	DTD. 390	18	Rear Centre Wall
6.	D003795ND	D003796ND	Alclad	DTD. 390	18	Rear Bottom Angle
7.	D002783ND	D002784ND	Alclad	DTD. 390	18	Rear Top Angle, Inboard
8.	D002785ND	D002786ND	Alclad	DTD. 390	18	Rear Top Angle, Outboard
9.	D004179ND	D004180ND	Alclad	DTD. 390	18	Stiffening Ring
10.	D004183ND	D004184ND	Alclad	DTD. 390	16	Cover Plate
11.	D004177ND	D004178ND	Alclad	DTD. 390	18	Stiffening Ring
12.	D004181ND	D004182ND	Alclad	DTD. 390	16	Cover Plate
13.	D001089	D001090	Alclad	DTD. 390	18	Bracket
14.	D001091	D001092	Alclad	DTD. 390	18	Bracket
15.	D001054ND	D001054ND	Alclad	DTD. 390	16	Packing Strip
16.	D001016ND	D001016ND	Alclad	DTD. 390	18	Packing Strip
17.	D001179	D001179	L.F.S.	L.F.S. 26	—	Door Stop
18.	G00502ND	G00502ND	M.S.P.	D.H.A. 28	18	Plate (Ass'd on G00427A)
19.	G00503ND	G00503ND	M.S.T.	—	17	Barrel (Ass'd on G00427A)
20.	G00506ND	G00506ND	M.S.P.	D.H.A. 28	18	Plate (Ass'd on G00428A)
21.	G00507ND	G00507ND	M.S.T.	—	17	Barrel (Ass'd on G00428A)
22.	D002037ND	D002037ND	Alclad	L. 38	18	Stiffening Plate
23.	D002038ND	D002038ND	Alclad	L. 38	18	Stiffening Plate
24.	G00501ND	G00501ND	Alclad	L. 38 or DTD. 390	18	Bracket (Ass'd on G00433A)
25.	D001115	D001116	Alclad	DTD. 390	18	Front Stiffener
26.	D001827	D001827	Alum. Copper or Alum. Mag.	DTD. 298 DTD. 300	Casting	Front Bracket
27.	D001120	D001120	Alclad	DTD. 390	18	Gusset
28.	D001117	D001118	Alclad	DTD. 390	18	Rear Stiffener
29.	D001825	D001826	Alum. Copper or Alum. Mag.	DTD. 298 DTD. 300	Casting	Rear Bracket
30.	D004197	D004198	Alclad	DTD. 390	14	Diaphragm Front

TABLE 65 (Continued)

Key No.	Port.	Part No. Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
31.	D00865	D00866	Alclad	DTD. 390	16	Stiffener
32.	D00869	D00870	Alclad	DTD. 390	16	Stiffener
33.	D00877	D00878	Alclad	DTD. 390	16	Stiffener
34.	D002990	D002990	Alclad	DTD. 390	16	Stiffener
35.	D00873	D00874	Alclad	DTD. 390	16	Stiffener
36.	D00882	D00882	Alclad	L. 38 or DTD. 390	16	Gusset
37.	D004219	D004220	M.S.P.	DTD. 124A	16	Reinforcing Plate
38.	D004217ND	D004218ND	M.S.P.	DTD. 124A	20	Reinforcing Plate
39.	D00297	D00298	Alclad	DTD. 390	14	Diaphragm, Rear
40.	D00871	D00872	Alclad	DTD. 390	16	Stiffener
41.	D00867	D00868	Alclad	DTD. 390	16	Stiffener
42.	D00879	D00880	Alclad	DTD. 390	16	Stiffener
43.	D002991	D002991	Alclad	DTD. 390	16	Stiffener
44.	D00875	D00876	Alclad	DTD. 390	16	Stiffener
45.	D00859	D00860	M.S.P.	DTD. 124A	16	Reinforcing Plate
46.	D004188ND	D004190ND	M.S.P.	DTD. 124A	20	Reinforcing Plate
47.	G0079	G0079	Dural	L. 1 or DTD. 423A	Bar	Hinge Pick-up Radius Rod
48.	G00630	G00630	Dural	L. 1 or DTD. 423A	Bar	Hinge Pick-up, Main Under- carriage
49.	D00884	D00884	Laminum Brass	—	.021"	Shims

TABLE 66
WING TANK DOOR (INNER)
MATERIAL DETAILS

See Fig. No. 6/27, Ref. DH. Dwg. D005029-30A.

Key No.	Port.	Part No. Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D005023ND	D005024ND	Alclad	DTD. 546	6	Tank Door
2.	D005025ND	D005026ND	Alclad	DTD. 546	6	Access Door
3.	D004875ND	D004876ND	Alclad	DTD. 390	10	Nut Plate
4.	D004234ND	D004234ND	Alclad	DTD. 390 or L. 38	10	Reinforcing Ring
5.	D004329ND	D004329ND	Alclad	DTD. 546	6	Access Door
6.	D005022ND	D005022ND	L.F.S.	L.F.S. 23 or F294/9	.5" x .38"	Strip
7.	D005027ND	D005027ND	L.F.S.	L.F.S. 23 or F294/9	.5" x .38"	Strip
8.		D001155 (Ref. Only)	— Tank Door Bolt — Wing Assembly — Marked 'S' on head.			
9.		D001154 (Ref. Only)	— Tank Door Bolt — Wing Assembly — Marked 'L' on head.			

TABLE 67
WING TANK DOOR (LEADING EDGE)
MATERIAL DETAILS

See Fig. No. 6/27, Ref. DH. Dwg. D002583-4.

Key No.	Port.	Part No. Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D002583	D002584	Alclad	DTD. 390	10	Tank Door
2.		D003977 (Ref. Only)	— Tank Door Bolt — Wing Assembly — Marked 7 on head.			
3.		D003978 (Ref. Only)	— Tank Door Bolt — Wing Assembly — Marked 8 on head.			
4.		D003979 (Ref. Only)	— Tank Door Bolt — Wing Assembly — Marked 9 on head.			

TABLE 68
WING TANK DOOR (OUTER)
MATERIAL DETAILS

See Fig. No. 6/28, Ref. DH. Dwg. D002585-6A.

Key No.	Port.	Part No. Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D00353ND	D00354ND	Alclad	DTD. 390 or L. 38	10	Tank Door
2.	D004294ND	D004294ND	Alclad	DTD. 390 or L. 38	10	Inspection Door
3.	D004234ND	D004234ND	Alclad	DTD. 390 or L. 38	10	Reinforcing Ring
4.	D005585	D005585	L.F.S.	L.F.S. 23 or 26	—	Packing
5.	D004362ND	D004362ND	L.F.S.	L.F.S. 23	1" x 3"	Runway Strip
6.	D004363ND	D004363ND	L.F.S.	L.F.S. 23	1" x 3"	Runway Strip
7.	P00317	P00317	Alum. Mang.	DTD. 213	20	Duct — Venting System
8.		D003979 (Ref. Only)	— Tank Door Bolt — Wing Assembly — Marked 9 on head.			
9.		D003978 (Ref. Only)	— Tank Door Bolt — Wing Assembly — Marked 8 on head.			
10.		D003977 (Ref. Only)	— Tank Door Bolt — Wing Assembly — Marked 7 on head.			

TABLE 69
AILERON
MATERIAL DETAILS

See Fig. No. 6/31, Ref. DH. Dwg. D001507-8A/2.

Key No.	Port.	Part No. Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D001815ND	D001816ND	Alclad	DTD. 390	22	Top Skin
2.	D001817ND	D001818ND	Alclad	DTD. 390	22	Bottom Skin
3.	D00111A	D00110A	Alclad	DTD. 390	18	Aileron Spar
4.	D001793/1	D001793/1	Dural	L. 1 or L. 3 or DTD. 423A	—	Trailing Edge
5.	D001555A	D001556A	Alclad	DTD. 390	20	Tab Shroud
6.	D001559A/1	D001560A/1	—	—	—	Assembly of Aileron Tab
7.	D003135A/1	D003135A/1	—	—	—	Assembly of Outboard Mass Balance
8.	D003134A/1	D003134A/1	—	—	—	Assembly of Inboard Mass Balance
9.	D00106	D00106	Dural or Alum. Alloy	L. 1 or DTD. 423A	—	Outer Hinge Bracket
10.	D00109	D00109	Dural or Alum. Alloy	L. 1 or DTD. 423A	—	Centre Hinge Bracket
11.	D003313A	D003314A	Alum. Amg. or Alum. Copper Alloy	DTD. 300 or DTD. 298	Casting	Lever Hinge Bracket
12.	D001365	D001364	Alclad	DTD. 390	18	Inspection Door
13.	D001373A	D001374A	Alclad	DTD. 390	18	Reinforcing Ring
14.	D00585	D00586	Alclad	DTD. 390 or L. 38	22	Nose Rib
15.	D00583	D00584	Alclad	DTD. 390 or L. 38	22	Nose Rib
16.	D00351	D00350	Alclad	DTD. 390	22	Nose Rib
17.	D001543	D001544	Alclad	DTD. 390	20	Rib No. 1
18.	D001553A	D001554A	M.S.P.	S. 3	—	Rib No. 2
19.	D001547	D001548	Alclad	DTD. 390	20	Rib No. 7
20.	D001551A	D001552A	—	—	—	Rib No. 13
21.	D001549A	D001550A	—	—	—	Rib No. 21
22.	D001545	D001547	Alclad	DTD. 390	20	Rib No. 23
23.	D004563ND	D004563ND	Alclad	DTD. 390 or DTD. 610	24	Trailing Edge Balance Strip

TABLE 70
AILERON SPAR
MATERIAL DETAILS

See Fig. No. 6/32, Ref. DH. Dwg. D00110-1A.

Key No.	Port.	Part No. Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D003279ND	D003280ND	Alclad	DTD. 390	18	Aileron Spar Inboard Portion
2.	D003281ND	D003282ND	Alclad	DTD. 390	18	Aileron Spar Outboard Portion
3.	D003285ND	D003286ND	Alclad	DTD. 390	18	Bottom Stiffener
4.	D003283ND	D003284ND	Alclad	DTD. 390	18	Top Stiffener
5.	D003289ND	D003289ND	Alclad	DTD. 390	18	Joint Plate
6.	D003287ND	D003287ND	Alclad	DTD. 390	18	Reinforcing Ring

TABLE 71
AILERON SHROUD
MATERIAL DETAILS

See Fig. No. 6/35, Ref. DH. Dwg. D003997-8A.

Key No.	Port.	Part No. Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D001301ND	D001302ND	Alclad	DTD. 390	20	Shroud Former, Top
2.	D002437A	D002438A	Alclad	DTD. 390 or L. 38	20	Diaphragm No. 1
3.	D00515ND	D002703ND	Alclad	DTD. 390	20	Shroud, Upper Portion
4.	D00516ND	D002704ND	Alclad	DTD. 390	20	Shroud, Lower Portion
5.	D001305	D001306	Alclad	DTD. 390 or L. 38	20	Diaphragm No. 2
6.	D003935	D003936	Alclad	DTD. 390 or L. 38	20	Diaphragm No. 3
7.	D00511ND	D003100ND	Alclad	DTD. 390	20	Shroud, Upper Portion
8.	D00512ND	D003101ND	Alclad	DTD. 390	20	Shroud, Lower Portion
9.	D001309	D001310	Alclad	DTD. 390 or L. 38	20	Diaphragm No. 4
10.	D001311	D001312	Alclad	DTD. 390 or L. 38	20	Diaphragm No. 5
11.	D001300	D001300	Alclad	DTD. 390	20	Shroud Former

TABLE 72
FLAP — INNER PORTION
MATERIAL DETAILS

See Fig. No. 6/36, Ref. DH. Dwg. D001605-6A.

Key No.	Port.	Part No. Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D001683ND	D001684ND	Alclad	DTD. 390	22	Top Skin
2.	D001685ND	D001686ND	Alclad	DTD. 390	22	Bottom Skin
3.	D001687ND	D001688ND	Alclad	DTD. 390	20	Front Skin
4.	D001689ND	D001690ND	Alclad	DTD. 390	14	Extension Plate
5.	D001753	D001754	Alclad	DTD. 390	18	Stiffening Angle
6.	D001623	D001624	Alclad	DTD. 390	18	Rib No. 18
7.	D001749	D001750	Alclad	DTD. 390	20	Stiffener
8.	D001751	D001752	Alclad	DTD. 390	20	Stiffener
9.	D002733	D002734	L.F.S.	L.F.S. 23	—	Packing Block
10.	D003007	D003008	Alclad	DTD. 390	20	Rib No. 17 (Ass'd on D003005-6A)
11.	D003009	D003010	Alclad	DTD. 390	20	Stiffening Plate (Ass'd on D003005-6A)
12.	D003022ND LH.	D003022ND LH.	M.S.P.	S. 3 or DTD. 124A	18	Hinge Support Bracket (Ass'd on D003020-1A)
	D003023ND RH.	D003023ND RH.	M.S.P.	S. 3 or DTD. 124A	18	
13.	D003024ND LH.	D003024ND LH.	M.S.B.	S. 21 3/16" x 3/4"	}	Reinforcing Plate (Ass'd on D003020-1A)
	D003025ND RH.	D003025ND RH.	M.S.B.	S. 21 3/16" x 3/4"		
14.	D002289ND	D002289ND	Dural or Alum. Alloy	L. 1 or DTD. 423A	Forging	Hinge Bracket (Ass'd on D0063A)
15.	D003003	D003004	Alclad	DTD. 390	20	Rib No. 16
16.	D003001	D003002	Alclad	DTD. 390	20	Rib No. 15
17.	D001603	D001604	Alum. Mang. or Alum. Copper	DTD. 300 or DTD. 298	Casting	Hinge Rib No. 14
18.	D0085	D0085	H.T.S.	S. 2	Bar	Ball Race Housing
19.	D001742	D001742	M.S.P.	S. 3 or DHA. 28	20	Locking Plate
20.	D001715	D001715	H.T.S.	S. 11	Bar	Spindle
21.	D001701ND	D001702ND	Alclad	DTD. 390	14	Reinforcing Plate

TABLE 73
INBOARD FLAP SHROUD
MATERIAL DETAILS

See Fig. No. 6/37, Ref. DH. Dwg. D006251-2A.

Key No.	Port.	Part No. Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D006281ND	D006282ND	Alclad	DTD. 390	22	Skin
2.	D001735	D001736	Alclad	DTD. 390	20	Transverse Stiffener
3.	D001733	D001734	Alclad	DTD. 390	20	Stiffener No. 1
4.	D001731	D001732	Alclad	DTD. 390	18	Shroud, Rib No. 1
5.	D00695	D00696	Alclad	DTD. 390	20	Stiffener
6.	D00695	D002975	Alclad	DTD. 390	20	Stiffener
7.	D00681	D00682	Alclad	DTD. 390	20	Stiffener
8.	D00681	D002976	Alclad	DTD. 390	20	Stiffener
9.	D001849	D001850	Alclad	DTD. 390	16	Stiffener
10.	D002391	D002392	Alclad	DTD. 390 or L. 38	16	Stiffener
11.	—	D003012A	Alclad	DTD. 390 or L. 38	18	Rear Fixing Bracket
12.	—	D003014A	Alclad	DTD. 390 or L. 38	18	Rear Fixing Bracket
13.	D001743	D001744	Alclad	DTD. 390	22	Riblet No. 1
14.	D001745	D001746	Alclad	DTD. 390	22	Riblet No. 2
15.	D002737	D002738	L.F.S.	L.F.S. 23	—	Packing Block
16.	D002735	D002736	L.F.S.	L.F.S. 23	—	Packing Block
17.	D006243	D006244	Alclad	DTD. 390	20	Web-Rear Cone Support
18.	D00521	D00522	Alclad	DTD. 390	20	Top Boom
19.	D00523	D00524	Alclad	DTD. 390	20	Bottom Boom
20.	D00543	D003026	Alclad	DTD. 390	14	Rib Attachment Plate
21.	D002986	D002987	Alclad	DTD. 390	14	Rib Attachment Plate
22.	D006109ND	D006110ND	Alclad	DTD. 390 or L. 38	18	Rib Stiffener (Ass'd on D006069-70A)
23.	D006065A	D006066A	Steel	DTD. 124	18	Bracket (Ass'd on D006069-70A)

TABLE 73 (Continued)

Key No.	Port.	Part No. Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
24.	D006067A	D006066A	Steel	DTD. 124	18	Bracket (Ass'd on D006069-70A)
26.	L00350	L00350	Dural Bakelite or Red Fibre	L. 1 or L. 3 F. 294 Comm.	Sht. or Bar Sht.	Packing Block
27.	D00525	D00526	Alclad	DTD. 390	20	Former No. 1
35.	D00529	D00530	Alclad	DTD. 390	20	Former No. 3
36.	D00719	D00720	Alclad	DTD. 390	20	Former No. 4
37.	D00531	D00531	Alclad	DTD. 390	20	Bracket
38.	D001339A	D001340A	L.F.S.	L.F.S. 23	—	Packing Block

TABLE 74

OUTER FLAP
MATERIAL DETAILS

See Fig. No. 6/38, Ref. DH. Dwg. D001953-4A.

Key No.	Port.	Part No. Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D002115ND	D002116ND	Alclad	DTD. 390	22	Top Skin
2.	D002117ND	D002118ND	Alclad	DTD. 390	22	Bottom Skin
3.	D002119ND	D002120ND	Alclad	DTD. 390	20	Front Skin
4.	D001673A	D001674A	Alclad	DTD. 390	14	Rib No. 1, Inboard
5.	D001675A	D001676A	Alclad	DTD. 390	14	Rib No. 1, Outboard
6.	D001629A	D001630A	Alclad	DTD. 390	20	Rib No. 2
7.	D001631A	D001632A	Alclad	DTD. 390	20	Rib No. 3
8.	D001633A	D001634A	Alclad	DTD. 390	20	Rib No. 4
9.	D001635A	D001636A	Alclad	DTD. 390	20	Rib No. 5
10.	D001625A	D001626A	Alclad	DTD. 390	20	Rib No. 6
11.	D001637A	D001638A	Alclad	DTD. 390	20	Rib No. 7
12.	D002113	D002114	Alclad	DTD. 390	20	Rib No. 8
13.	D0063A	D0063A	Dural or Alum. Alloy	L. 1 or DTD. 423A	Forging	Hinge Bracket, Outer
14.	D001654	D001654	Dural	L. 40	Forging	Hinge Bracket, Inner
15.	D001653	D001653	Mild Steel	S. 1 or S.11B	Forging	Bracket for Flap Jack
16.	D002145A	D002146A	Alclad	DTD. 390	18	Trailing Edge Member
17.	D001757	D001757	Alclad	DTD. 390	18	Angle
18.	D001774	D001774	Alclad	DTD. 390	18	Angle
19.	D002831	D002832	Lam. Fabric Sheet	L.F.S. 23	—	Packing Block
20.	D002833	D002834	Lam. Fabric Sheet	L.F.S. 23	—	Packing Block
21.	D002835	D002836	Lam. Fabric Sheet	L.F.S. 23	—	Packing Block
22.	D001789	D001790	Lam. Fabric Sheet	L.F.S. 23	—	Stiffening Block
23.	D002151	D002152	Lam. Fabric Sheet	L.F.S. 23	—	Stiffening Block
24.	D001786ND	D001786ND	Alclad	DTD. 390	22	Packing Strip

TABLE 75

OUTBOARD FLAP SHROUD
MATERIAL DETAILS

See Fig. No. 6/40, Ref. DH. Dwg. D001951-2A.

Key No.	Port.	Part No. Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D002099ND	D002100ND	Alclad	DTD. 390	22	Top Skin
2.	D002107	D002108	Alclad	DTD. 390	20	Trailing Edge Section
3.	D001719	D001720	Alclad	DTD. 390	20	Stiffener
4.	D001875ND	D001876ND	Alclad	DTD. 390	20	Rib (Ass'd on D001611-2)
5.	D001883ND	D001884ND	Alclad	DTD. 390	20	Stiffening Plate (Ass'd on D001611-2)
6.	D001679	D001680	Alclad	DTD. 390	20	Gusset
7.	D001721	D001722	Alclad	DTD. 390	20	Stiffener
8.	D002121ND	D002122ND	Alclad	DTD. 390	20	Rib (Ass'd on D002103-4)
9.	D002123ND	D002124ND	Alclad	DTD. 390	18	Support Angle (Ass'd on D002103-4)
10.	D001681	D001682	Alclad	DTD. 390	20	Bracket
11.	D001843	D001844	Alclad	DTD. 390	16	Stiffener

TABLE 75 (Continued)

Key No.	Port.	Part No. Starboard.	Material.	Specifi- cation.	S.W.G.	Description.
12.	D001845	D001846	Alclad	DTD. 390	16	Stiffener
13.	D002845	D002846	Alclad	DTD. 390	20	Stiffener
14.	D002843	D002844	Alclad	DTD. 390	20	Stiffener
15.	D00693	D00694	Alclad	DTD. 390	20	Stiffener
16.	D002930	D002931	Alclad	DTD. 390	20	Stiffener
17.	D002101	D002102	Alclad	DTD. 390	20	Stiffener
18.	D002841	D002842	Alclad	DTD. 390	20	Stiffener
19.	D002111	D002112	Dural	L. 1 or DTD. 423A	—	Trailing Edge Member
20.	D002849	D002850	Dural or L.F.S.	L. 1 or L.F.S. 23 or DTD. 423A	—	Skin Support Member
21.	D002752	D002753	L.F.S.	L.F.S. 23	—	Packing Block
22.	D002261	D002262	L.F.S.	L.F.S. 23	—	Packing Block

TABLE 76
DIVE BRAKE FLAP
MATERIAL DETAILS

See Fig. No. 6/41, Ref. DH. Dwg. D002175-6A.

Key No.	Port.	Part No. Starboard.	Material.	Specifi- cation.	S.W.G.	Description.
1.	D002193ND	D002194ND	Alclad	DTD. 390	20	Bottom Skin
2.	D002191ND	D002192ND	Alclad	DTD. 390	20	Top Skin
3.	D002189ND	D002190ND	Alclad	DTD. 390	18	Front Skin
4.	D002199	D002200	Alclad	DTD. 390	16	Spar
5.	D002217ND	D002218ND	Alclad	DTD. 390	18	Rib No. 1 Pressing
6.	D002219ND	D002220ND	Alclad	DTD. 390	18	Doubling Plate
7.	D002221ND	D003065ND	Alclad	DTD. 390	18	Angle
8.	D002179	D002180	Alclad	DTD. 390	18	Rib No. 1A Pressing
9.	D002223ND	D002224ND	Alclad	DTD. 390	18	Rib Pressing, Out- board
10.	D002225ND	D002226ND	Alclad	DTD. 390	18	Rib Pressing, In- board
11.	D002227ND	D002228ND	Alclad	DTD. 390	18	Doubling Plate
12.	D002229ND	D002230ND	Alclad	DTD. 390	14	Reinforcing Plate
13.	D002231ND	D002232ND	Alclad	DTD. 390	18	Rib No. 3 Pressing
14.	D002233ND	D002234ND	Alclad	DTD. 390	18	Extension Plate
15.	D002859ND	D002860ND	Alclad	DTD. 390	18	Angle
16.	D002861ND	D002862ND	Alclad	DTD. 390	18	Angle
17.	D002237ND	D002238ND	Alclad	DTD. 390	18	Rib No. 4 Pressing
18.	D002239ND	D002240ND	Alclad	DTD. 390	18	Extension Plate
19.	D002869ND	D002870ND	Alclad	DTD. 390	18	Angle
20.	D005234ND	D005235ND	Alclad	DTD. 390 or 610	18	Rib No. 5 Press- ing
21.	D002245ND	D002246ND	Alclad	DTD. 390 or 610	18	Doubling Plate
22.	D005232ND	D005233ND	Alclad	DTD. 390 or 610	18	Angle
23.	D003096	D003097	Alclad	DTD. 390 or L. 38	18	Reinforcing Plate
24.	D002201ND	D002202ND	Dural	DTD. 423A or L. 1	—	Trailing Edge
25.	D002813	D002814	L.F.S.	L.F.S. 23	—	Packing Block
26.	D002815	D002816	L.F.S.	L.F.S. 23	—	Packing Block
27.	D002817	D002818	L.F.S.	L.F.S. 23	—	Packing Block
28.	D002819	D002820	L.F.S.	L.F.S. 23	—	Packing Block
29.	D002821	D002822	L.F.S.	L.F.S. 23	—	Packing Block
30.	D002823	D002824	L.F.S.	L.F.S. 23	—	Packing Block
31.	D002265	D002266	Alum. Mag. or Alum. Copper Alloy	DTD. 300 or DTD. 298	Casting	Jack Attachment Fitting
32.	D002263	D002263	H.T.S.	S. 11	Forging	Jack Attachment Fitting
33.	D002264	D002264	M.S.	S. 1	Forging	Shackle
34.	D002203	D002204	Alclad	DTD. 390 or L. 38	18	Bracket
35.	D002213ND	D002214ND	Alclad	DTD. 390	18	Bracket
36.	D002383ND	D002384ND	Dural	L. 40	Forging	Hinge Block (Ass'd on D002195A)
37.	D002207	D002208	Alclad	DTD. 390	12	Shear Bracket
38.	D002215ND	D002216ND	Alclad	DTD. 390	18	Reinforcing Plate
39.	D002205	D002206	Alclad	DTD. 390 or L. 38	18	Bracket
40.	D002291ND	D002292ND	M.S.P.	DTD. 124A (Soft)	18	Bracket (Ass'd on D002209-10)
41.	D002335ND	D002336ND	Dural	L. 40	Forging	Hinge Block (Ass'd on D002211-2)

TABLE 77
DIVE BRAKE FLAP SHROUD
MATERIAL DETAILS

See Fig. No. 6/42, Ref. DH. Dwg. D003933-4A.

Key No.	Port.	Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D002355ND	D002356ND	Alclad	DTD. 390	20	Top Skin
2.	D005651ND	D005652ND	Alclad	DTD. 390	20	Bottom Skin
3.	D002359	D002360	Alclad	DTD. 390	20	Inner Bottom Skin
4.	D002361	D002362	Alclad	DTD. 390	20	Outer Bottom Skin
5.	D002367ND	D002367ND	Alclad	DTD. 390	18	Cover Plate
6.	D002349ND	D002350ND	Alclad	DTD. 390	18	Reinforcing Channel (Ass'd on D002347-8A)
7.	D002353ND	D002354ND	Alclad	DTD. 390	20	Shroud (Ass'd on D002351-2A)
8.	D002365ND	D002366ND	Dural	L. 1 or DTD. 423A	—	Trailing Edge Member
9.	D002827	D002828	L.F.S.	L.F.S. 23	—	Packing Block
10.	D002829	D002830	L.F.S.	L.F.S. 23	—	Packing Block
11.	D002271ND	D002272ND	Alclad	DTD. 390	20	Rib No. 4 Pressing
12.	D002270ND	D002270ND	Alclad	DTD. 390	18	Reinforcing Bracket } Ass'd on D001981-2A
13.	D002279	D002280	Alclad	DTD. 390	18	Corner Bracket
14.	D002275ND	D002276ND	Alclad	DTD. 390	20	Rib No. 5 Pressing
15.	D002277	D002278	M.S.P.	DTD. 124	18	Reinforcing Bracket } Ass'd on D001983-4A
16.	D002281ND	D002282ND	Alclad	DTD. 390	20	Rib No. 6 Pressing
17.	D002283	D002283	M.S.P.	DTD. 124A	18	Reinforcing Plate } Ass'd on D001985-6A
19.	D002407ND	D002408ND	Alclad	DTD. 390	18	Support Angle
20.	D002295ND	D002296ND	Alclad	DTD. 390	20	Rib No. 7 Pressing
21.	D002297ND	D002298ND	Alclad	DTD. 390	18	Stiffener } Ass'd on D001987-8A
22.	D001209	D001210	Alclad	DTD. 390 or L. 38	16	Joint Plate
23.	D003981	D003982	Alclad	DTD. 390	18	Tension Strap
24.	D002149ND	D002150ND	Alum. Mag. or Alum. Copper Alloy	DTD. 300 or DTD. 298	Casting	Main Hinge Bracket (Ass'd on D002143-4A)
25.	D002379ND	D002380ND	Alclad	DTD. 390	20	Angle, Outboard
26.	D002381ND	D002382ND	Alclad	DTD. 390	20	Angle, Inboard
27.	D002370ND	D002370ND	Dural	L. 1 or DTD. 423A	—	Packing Block

TABLE 78
STUB BOOM
MATERIAL DETAILS

See Fig. No. 6/45, Ref. DH. Dwg. D001973-4.

Key No.	Port.	Starboard.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D001961	D001962	Alclad	DTD. 390	12	Top Shell
2.	D001963	D001964	Alclad	DTD. 390	12	Bottom Shell
3.	D001969	D001970	Alclad	DTD. 390	18	Top Diaphragm
4.	D001971	D001972	Alclad	DTD. 390	18	Bottom Diaphragm
5.	00D1ND	00D2ND	Alclad	DTD. 390	12	Stiffening Angle, Inboard
6.	00D3ND	00D4ND	Alclad	DTD. 390	12	Stiffening Angle, Outboard
7.	00D13ND	00D14ND	Alclad	DTD. 390	12	Stiffening Angle, Inboard
8.	00D11ND	00D12ND	Alclad	DTD. 390	12	Stiffening Angle, Outboard
9.	D001165	D001166	Alclad	DTD. 390	14	Reinforcing Plate
10.	D002713	D002714	Dural	L. 40	Forging	Jointing Angle
11.	D001265ND	D001265ND	Alclad	DTD. 390	14	Tapered Packing, Inboard
12.	D001266ND	D001266ND	Alclad	DTD. 390	14	Tapered Packing, Outboard
13.	D002047ND	D002048ND	Alclad	DTD. 390	16	Joint Plate, Inboard
14.	D002049ND	D002050ND	Alclad	DTD. 390	16	Joint Plate, Outboard
15.	D001989	D001990	Alclad	DTD. 390	18	Diaphragm—Top Half
16.	D001991	D001992	Alclad	DTD. 390	18	Diaphragm—Bottom Half
17.	D001282	D001282	Alclad	DTD. 390	18	Strap Plate

TABLE 79
WING TIP
MATERIAL DETAILS

See Fig. No. 6/46, Ref. DH. Dwg. D00151-2A/1.

Key No.	L.H.	Part No.	R.H.	Material.	Specifica- tion.	S.W.G.	Description.
1.	D002537	D002538		Alclad	DTD. 390 or L. 38	14	Attachment Plate
2.	D00157ND	D00158ND		Mang. Alum. or Alclad	DTD. 213 or DTD. 390	18	Tip Bend
3.	D00169	D00170		Perspex	DTD. 339	2 m/m.	Navigation Light Cover
4.	D00155ND	D00156ND		Alum. Alloy or Alclad	L. 59 or DTD. 390	18	Leading Edge Strip
5.	D001297	D001298		Alclad	DTD. 390 or L. 38	16	Cover Plate
6.	Z22431	—	—	—	—	—	Grommet
7.		D003215		Alclad	DTD. 390 or L. 38	16	Mounting Bracket
8.	D001259	D001260		Alclad	DTD. 390 or L. 38	16	Bracket

TABLE 80
WING ATTACHMENT FITTINGS
WEAR LIMITS

See Fig. No. 6/47.

Key No.	Part No.	Description.	Nominal Dia.	Female High or Male Low Limit.	Maximum Wear Limit.	Plug Gauge.
1.	D002337ND	Special Pin	0.25	—0.003	—0.0045	Micrometer
2.	AIR.40022	Jack Head	0.375	Refer to	A.P. 1803C, Vol. 2, Part 2.	
3.	D002326	Special Bolt	0.375	—0.001	—0.0035	Micrometer
4.	D002323	Jack Rod Fork End	0.375	+0.0004	+0.0035	YA
5.	D002264	Shackle	0.375	+0.0004	+0.0035	YA
6.	D002264	Shackle	0.375	+0.0004	+0.0035	YA
7.	D002263	Jack Attachment Fitting	0.375	+0.0004	+0.0035	YA
8.	D002269	Special Bolt	0.375	—0.0024	—0.0045	Micrometer
9.	D001769	Special Bolt	0.375	—0.0024	—0.0045	Micrometer
10.	D002319-20	Trunnion	0.375	+0.0004	+0.0035	YA
11.	D002322	Bush (Female)	0.25	+0.003	+0.0035	WB
12.	D002322	Bush (Male)	0.5	—0.0019	—0.0035	Micrometer
13.	D002319-20	Trunnion	0.5	+0.0004	+0.003	WE
14.	D004297-8	Rib 5	0.25	+0.003	+0.0035	WB
	D003683-4	Rib 5A (Bush D002015)	0.25	+0.0004	+0.0035	WB
15.	D002143-4	Brake Hinge Bracket, Inner	0.375	+0.0004	+0.0035	YA
16.	D002325	Special Bolt	0.375	—0.001	—0.0035	Micrometer
17.	D001983-4	Brake Hinge Bracket, Outer	0.3125	+0.0004	+0.0035	WC
18.	D002324	Special Bolt	0.3125	—0.001	—0.0045	Micrometer
19.	D002085	Flap Outboard, Hinge Bracket (Outboard)	0.3125	+0.0004	+0.0035	WC
20.	D001775	Special Bolt	0.3125	—0.0024	—0.0045	Micrometer
21.	D001660	Trunnion (Female)	0.375	+0.0004	+0.0035	YA
22.	G0050	Special Bolt	0.375	—0.0020	—0.0045	Micrometer
23.	D001655-6	Jack Pick-up Fitting	0.5	+0.0004	+0.0030	WE
24.	AIR.40008	Jack Head	0.375	Refer to	A.P. 1803C, Vol. 2, Part 2.	
25.	D001847	Torque Tube Fulcrum	0.3125	+0.0004	+0.0035	WC
26.	D001329	Special Bolt	0.3125	—0.001	—0.0045	Micrometer
27.	D001705	Torque Lever Outboard	0.3125	+0.0004	+0.0035	WC
28.	D001601	Flap Outboard, Hinge Bracket (Inboard)	0.3125	+0.0004	+0.0035	WC
29.	D001660	Trunnion (Male)	0.5	—0.0030	—0.0050	Micrometer
30.	D001771	Special Bolt	0.375	—0.0024	—0.0045	Micrometer
31.	D001716	Spigot on Flap	0.375	—0.0019	—0.0050	Micrometer
32.	D001328	Special Bolt	0.3125	—0.001	—0.0045	Micrometer
33.	D001769	Special Bolt	0.375	—0.0024	—0.0045	Micrometer
34.	D001653	Jack Attachment Fitting	0.375	+0.0004	+0.0035	YA
35.	D001665	Special Pin	0.375	—0.0020	—0.0045	Micrometer
36.	D001664	Shackle	0.375	+0.0004	+0.0035	YA
37.	D001664	Shackle	0.375	+0.0004	+0.0035	YA
38.	D001663	Jack Rod Fork End	0.375	+0.0004	+0.0035	YA
39.	D0094	Flap Hinge Bracket, Inboard	0.3125	+0.0004	+0.0035	WC
40.	D001775	Special Bolt	0.3125	—0.0024	—0.0045	Micrometer

TABLE 80 (Continued)

Key No.	Part No.		Nominal Dia.	Female High or Male Low Limit.	Maximum Wear Limit.	Plug Gauge.
41.	D001847	Torque Tube Fulcrum	0.3125	+0.0004	+0.0035	WC
42.	D001329	Special Bolt	0.3125	-0.001	-0.0045	Micrometer
43.	D001715	Spigot	0.375	-0.0019	-0.005	Micrometer
44.	D001705	Torque Lever (Inboard)	0.3125	+0.0004	+0.0035	WC
45.	D001328	Special Bolt	0.3125	-0.001	-0.0045	Micrometer
46.	D0093	Flap Hinge Bracket (Inboard)	0.3125	+0.0004	+0.0035	WC
47.	D001775	Special Bolt	0.3125	-0.0024	-0.0045	Micrometer
48.	SP4Y/B17	Pin, Shackle	0.1875	-0.0050	-0.0065	Micrometer
49.	D006811-2	Spring Strut Pick-up Bracket	0.1875	+0.0035	+0.0045	WA
50.	G00131	Spring Strut, Top End	0.1875	+0.0035	+0.0045	WA
	G00133-4	End Cap	0.1875	+0.0035	+0.0045	WA
51.	G00132	Spring Strut, Bottom End	0.1875	+0.0035	+0.0045	WA
52.	G00323 Mk. 8	Special Pin	0.25	-0.0011	-0.0035	Micrometer
53.	D001825	Frame Hinge Bracket (Front)	0.25	+0.0001	+0.0035	WB
54.	D001827	Frame Hinge Bracket (Rear)	0.25	+0.0001	+0.0035	WB
55.	G001595-6	Frame Spring Strut Pick-up	0.1875	Drill	+0.0045	WA
56.	G001595-6	Frame, Lower End	0.25	+0.0001	+0.0035	WB
57.	G00323 Mk. 1	Special Pin	0.25	-0.0011	-0.0035	Micrometer
58.	G00323 Mk. 9	Special Pin	0.25	-0.0011	-0.0035	Micrometer
59.	D001025	Door Hinge Bracket	0.25	+0.0001	+0.0035	WB
60.	G00139	Door Hinge	0.25	+0.0001	+0.0035	WB
61.	G00323 Mk. 6	Special Pin	0.25	-0.0011	-0.0035	Micrometer
62.	G00139	Door Hinge Radius Rod Pick-up	0.25	+0.0001	+0.0035	WB
63.	G00128	Radius Rod, Lower End				
		(G00325 Mk. 1 Bush)	0.25	+0.0001	+0.0035	WB
64.	AI 22G	Standard Bolt	0.3125	-0.0035	-0.0045	Micrometer
65.	D00104	Aileron Hinge Bracket, Outer	0.3125	+0.0005	+0.0035	WC
66.	D00105	Aileron Hinge Link, Outer	0.3125	+0.0005	+0.0035	WC
67.	D00106	Aileron Hinge, Outer	0.3125	+0.0005	+0.0035	WC
68.	AI 16G	Standard Bolt	0.3125	-0.0035	-0.0045	Micrometer
69.	AI 27G	Standard Bolt	0.3125	-0.0035	-0.0045	Micrometer
70.	D003313-4	Aileron Hinge, Inner	0.3125	+0.0005	+0.0035	WC
71.	00D80	Special Bolt	0.1895	-0.0002	-0.0005	Micrometer
72.	D001571	Trim Tab Lever	0.1897	+0.0003	+0.0023	WA
73.	D001376	Trim Gear, Front Fork	0.1897	+0.0003	+0.0023	WA
74.	00D79	Special Bolt	0.1895	-0.0002	-0.0005	Micrometer
75.	D001823-4	Hinge Casting	0.1875	+0.0035	+0.0045	WA
76.	D001814	Quadrant Plate	0.1875	+0.0035	+0.0045	WA
77.	00D81	Special Bolt	0.1895	-0.0002	-0.0005	Micrometer
78.	AI 31G	Standard Bolt	0.3125	-0.0035	-0.0045	Micrometer
79.	D00107	Aileron Hinge Bracket, Centre	0.3125	+0.0005	+0.0035	WC
80.	D00108	Aileron Hinge Link, Centre	0.3125	+0.0005	+0.0035	WC
81.	D00109	Aileron Hinge, Centre	0.3125	+0.0005	+0.0035	WC
82.	AI 16G	Standard Bolt	0.3125	-0.0035	-0.0045	Micrometer
83.	D001254	Joint C, Bolt	0.625	-0.002	-0.0025	Micrometer
84.	D003166	Joint C, Fitting	0.625	+0.0005	+0.002	VD
85.	D00982	Joint B, Front and Rear Bolt	0.4395	-0.0003	-0.0045	Micrometer
86.	D00478	Joint B, Main Bolt	1.0	-0.0020	-0.0030	Micrometer
87.	D004255-6	Joint B, Front and Rear Holes (L.H. and R.H.)	0.4375	+0.001	+0.0035	WD
88.	D004265-6	Rib 1 Fitting, L.H. and R.H.	0.4375	+0.0004	+0.0035	WD
89.	D004255-6	Joint B, Main Hole	1.0	+0.0006	+0.0020	ZB
90.	D004261-2	Rib 1A Fitting, L.H. and R.H.	0.4375	+0.0004	+0.0035	WD
91.	D004257-8	Joint A, Front Hole, L.H. and R.H.	0.375	+0.0004	+0.0035	YA
92.	D004259-60	Rib 1A Fitting, L.H. and R.H.	0.375	+0.0004	+0.0035	YA
93.	D004257-8	Joint A, Main Hole, L.H. and R.H.	1.0	+0.0006	+0.0020	ZB
94.	D004257-8	Joint A, Rear Hole, L.H. and R.H.	0.5625	+0.0004	+0.0035	ZA
95.	D004263-4	Rib 1 Fitting, L.H. and R.H.	0.5625	+0.0004	+0.0035	ZA
96.	D00983	Joint A, Rear Bolt	0.5625	-0.0020	-0.0045	Micrometer
97.	D00477	Joint A, Main Bolt	1.0	-0.0020	-0.0030	Micrometer
98.	D00981	Joint A, Front Bolt	0.375	-0.0020	-0.0045	Micrometer
99.	A1-3E	Standard Bolt	0.25	-0.0035	-0.0045	Micrometer
100.	D002986-7	Rib 1, Tail Section, Bottom	0.25	+0.0003	+0.0035	WB
101.	D00543	Rib 1, Tail Section, Top	0.25	+0.0003	+0.0035	WB
102.	D006051-2	Rib 1, Rear Joint, Bottom	0.25	+0.0003	+0.0035	WB
103.	D006047-8	Rib 1, Rear Joint, Top	0.25	+0.0003	+0.0035	WB

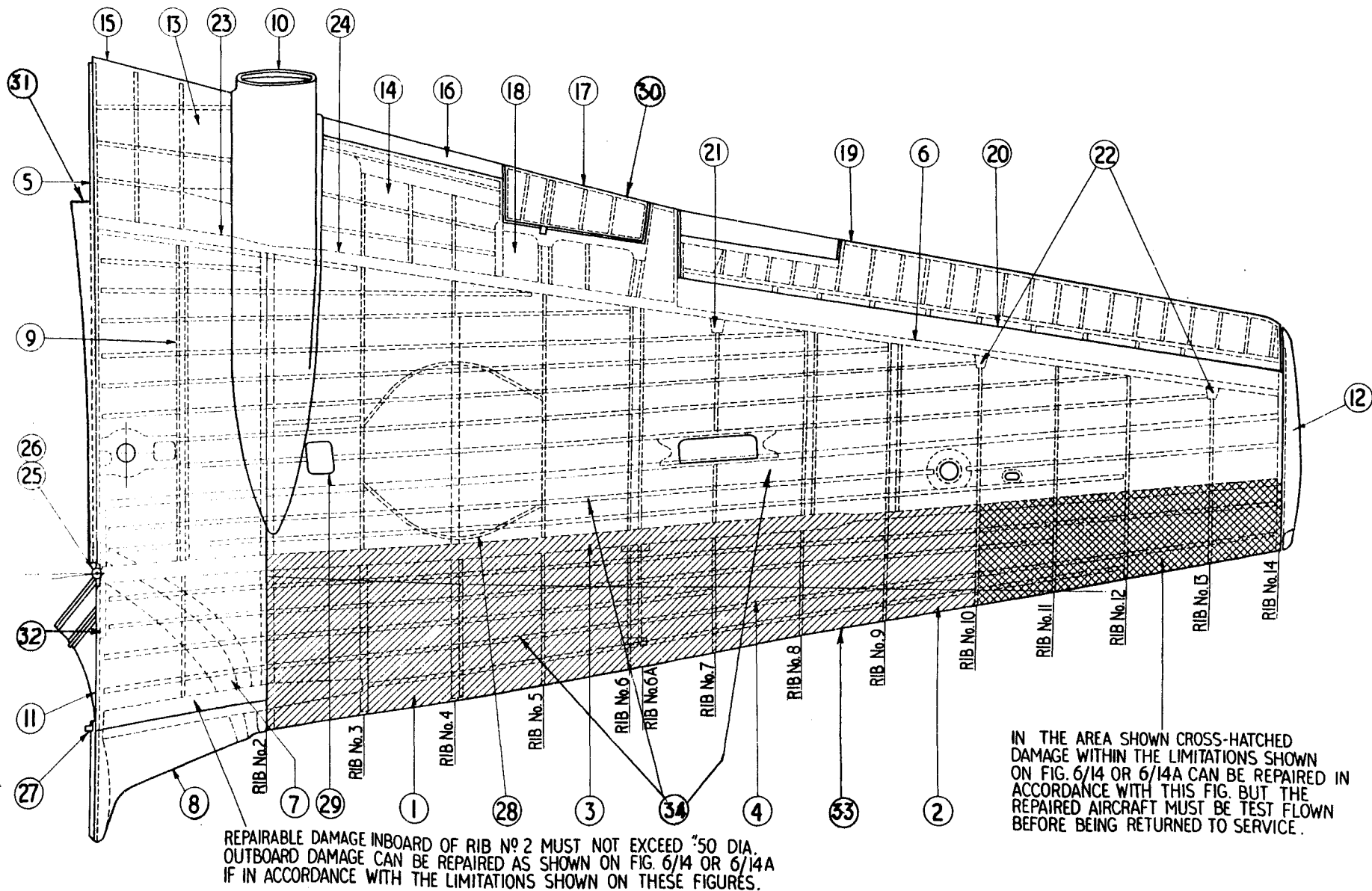


FIG. 6/1

MAINPLANE DIAGRAM

FIG. 6/1

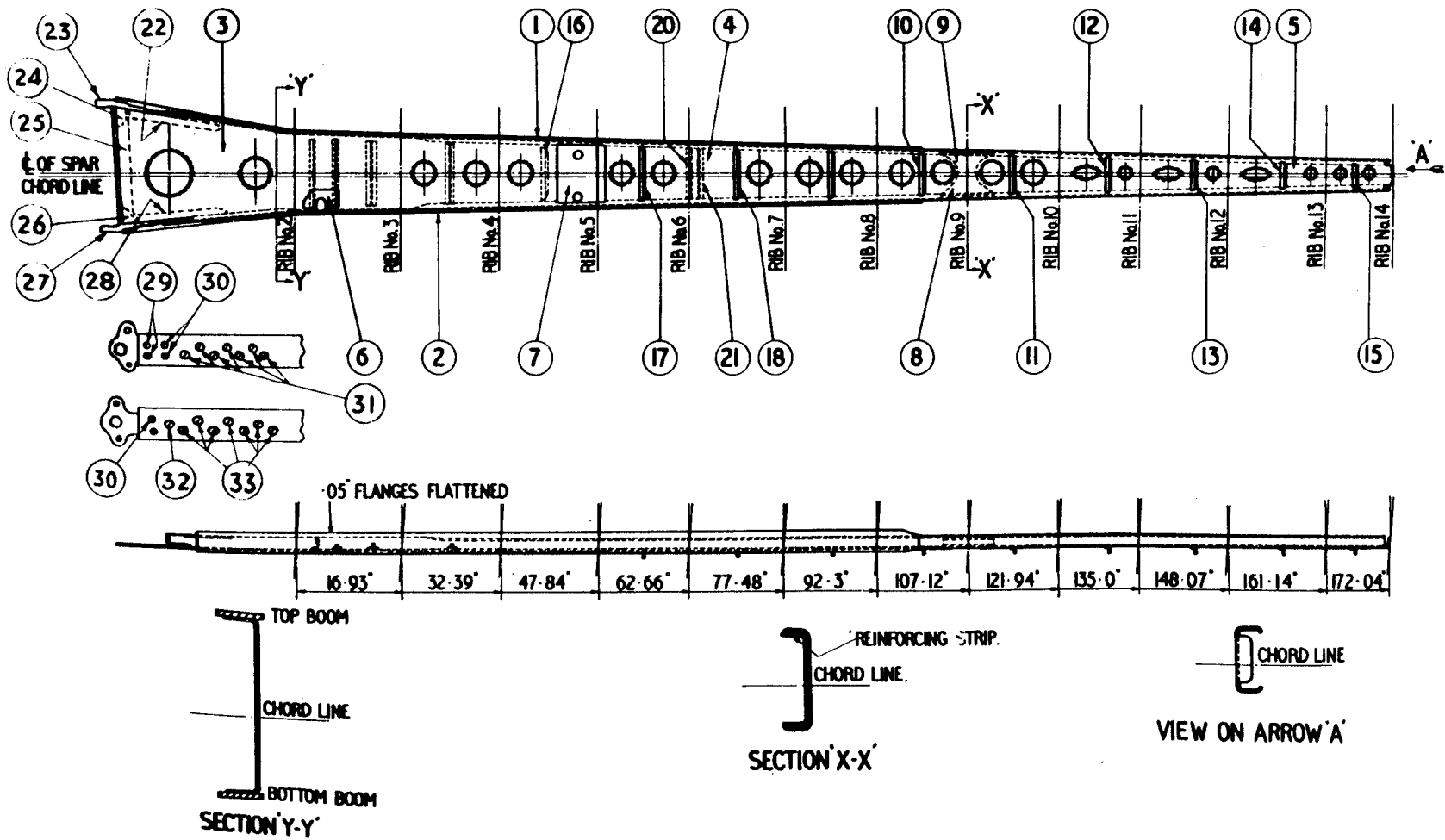


FIG. 6/2

MAIN SPAR - MAINPLANE

FIG. 6/2

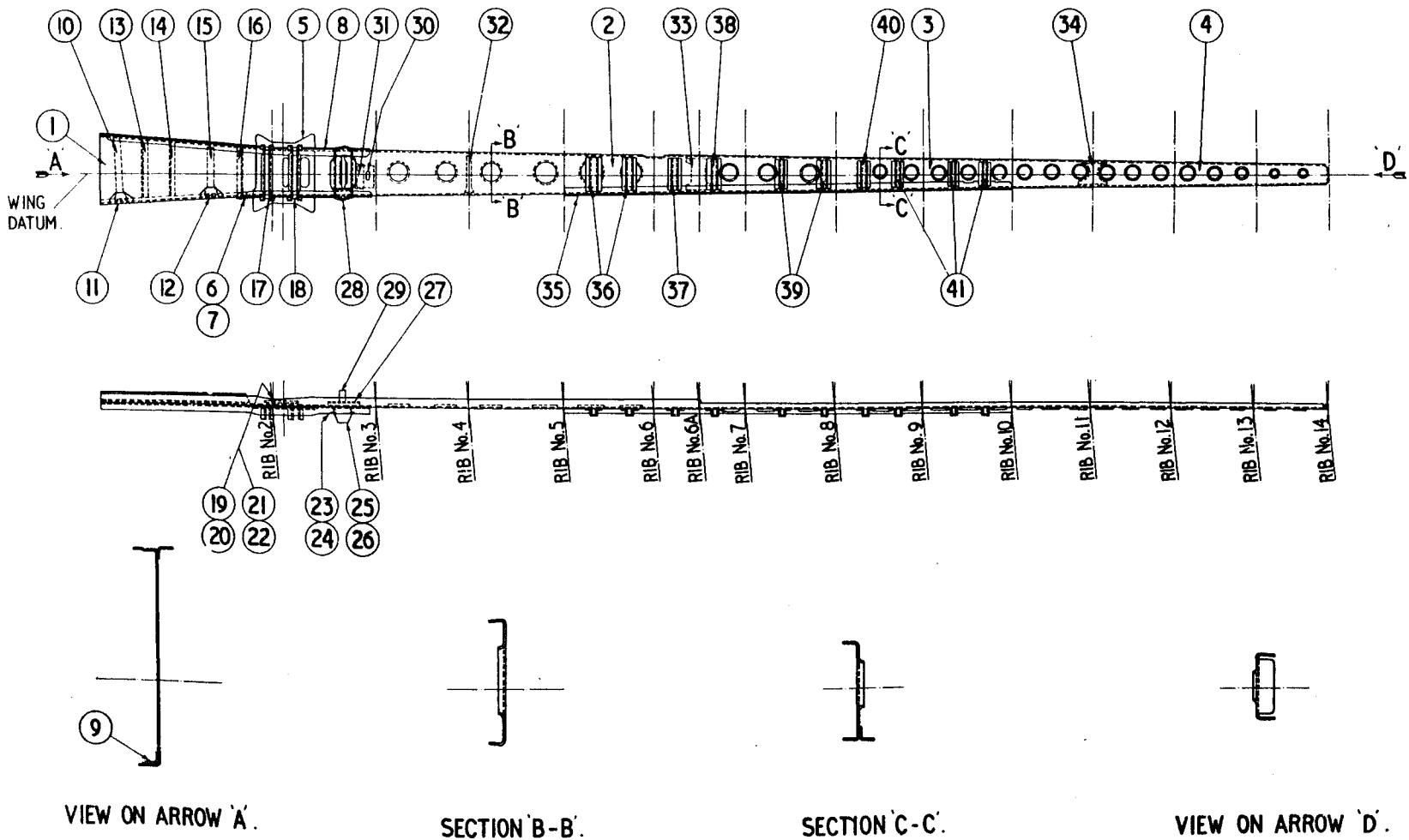
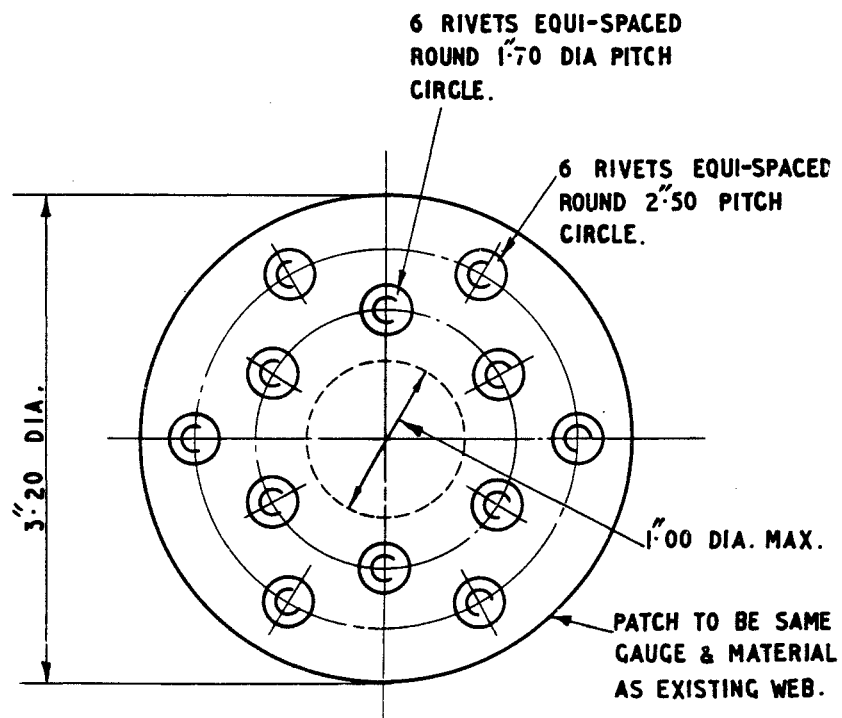
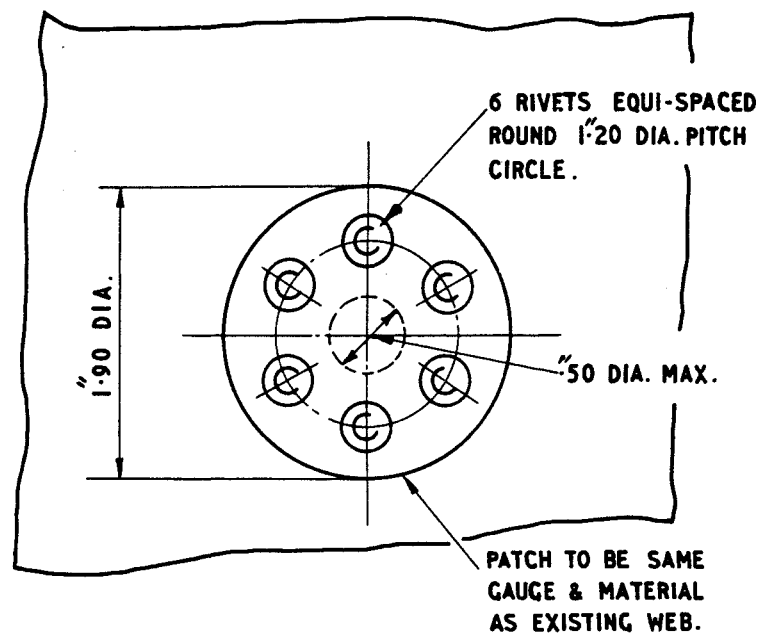


FIG. 6/3

FALSE SPAR - MAINPLANE

FIG. 6/3



ALL RIVETS TO BE $\frac{5}{32}$ " DIA SNAP HEADS A.S. 2227.

FIG. 6/4

MAIN PLANE SPAR WEB REPAIRS

FIG. 6/4

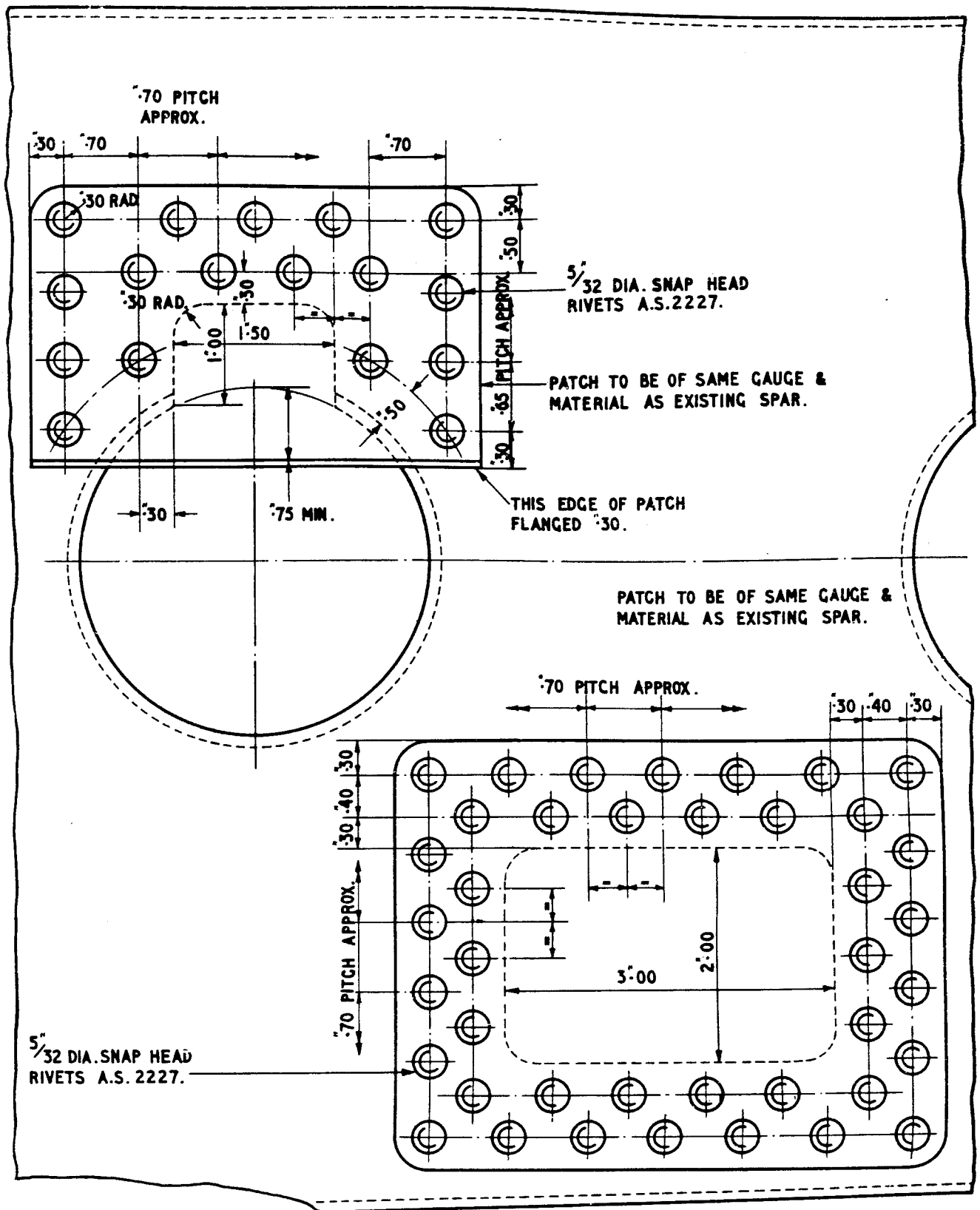


FIG. 6/5 REPAIRS TO WEB OF MAINPLANE SPAR FIG. 6/5

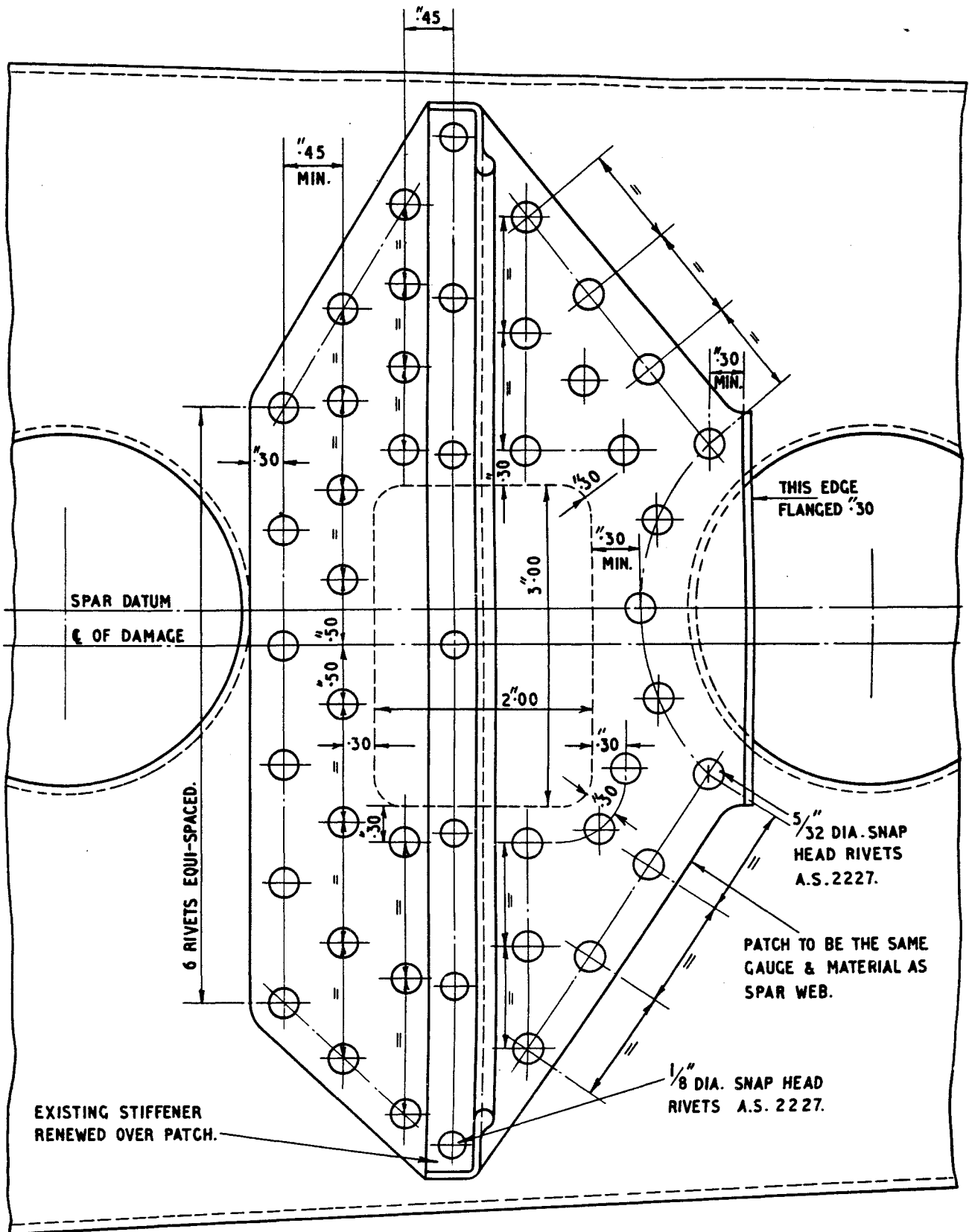


FIG. 6/6 REPAIR TO MAINPLANE, MAIN SPAR WEB FIG. 6/6

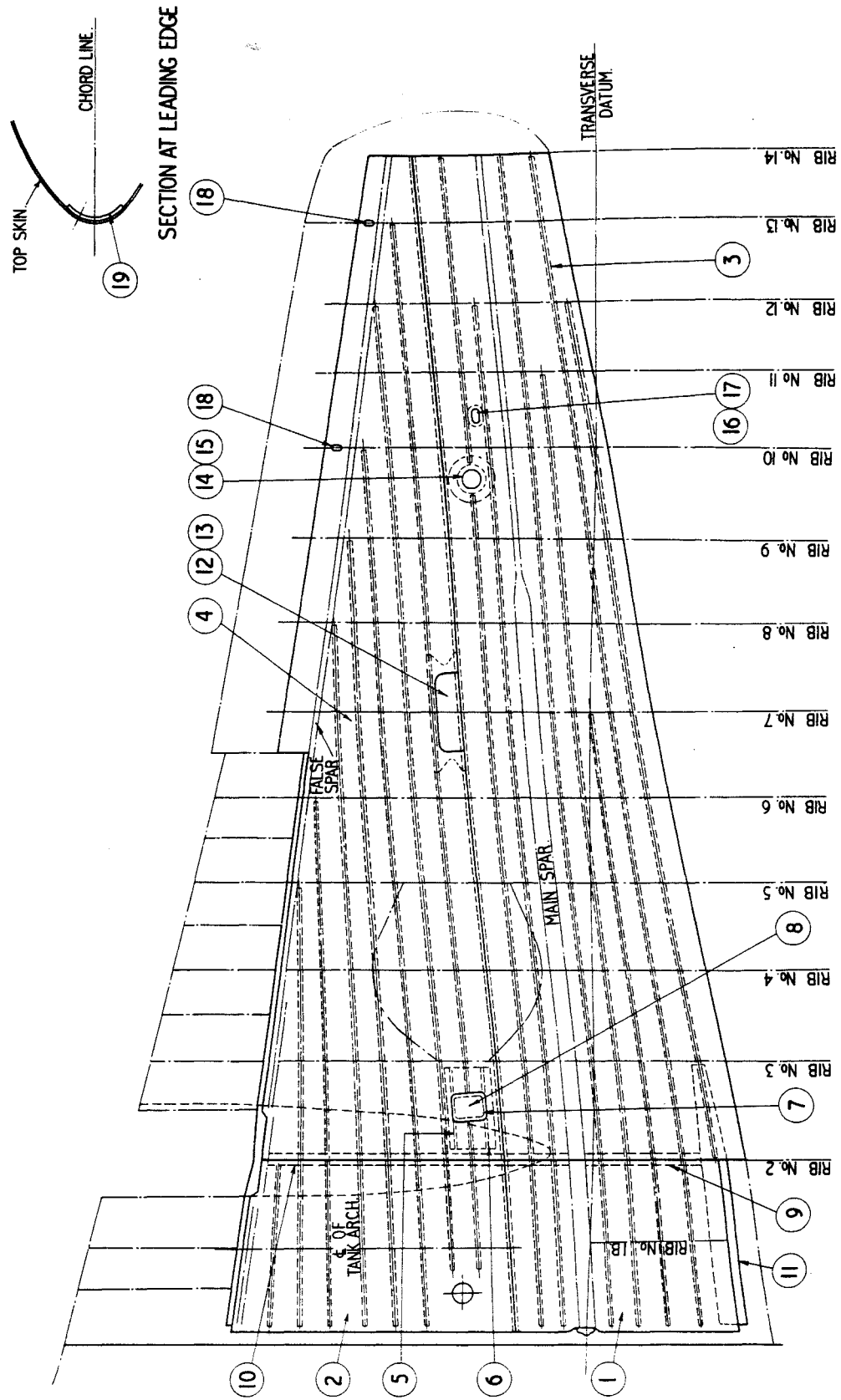


FIG. 6/7.

TOP SKIN - MAINPLANE

FIG. 6/7-

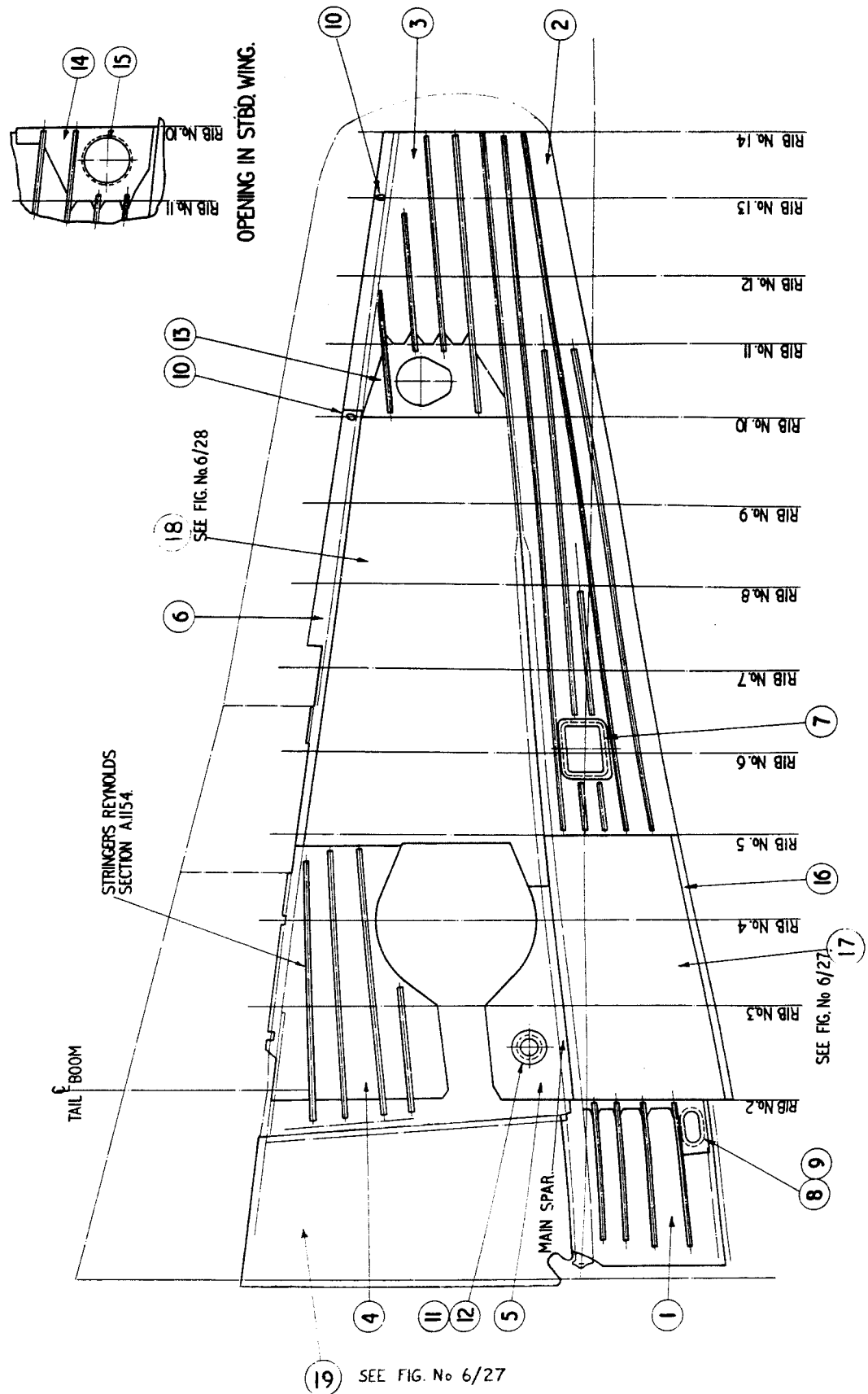


FIG. 6/8

BOTTOM SKIN MAIN PLANE

FIG. 6/8

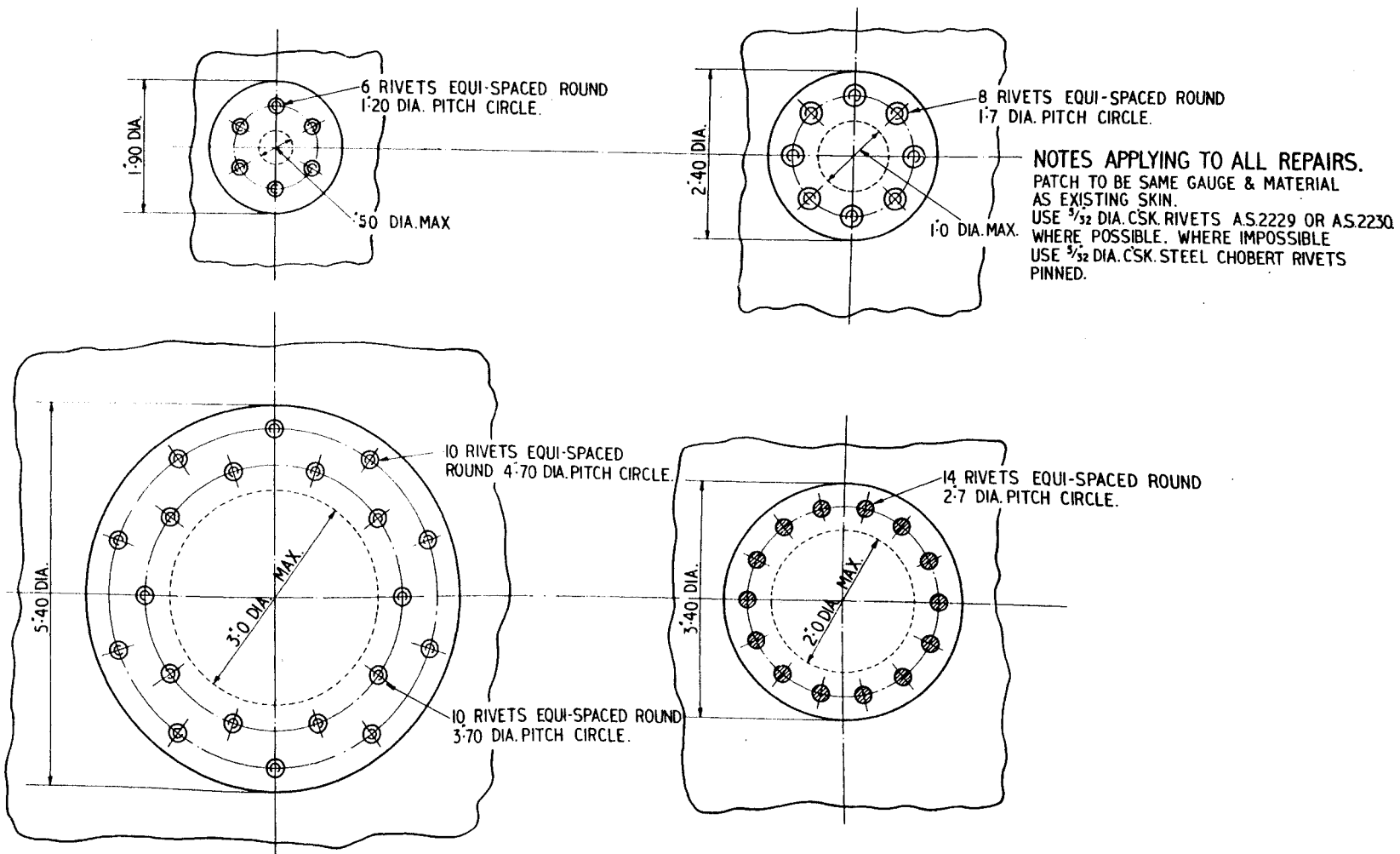
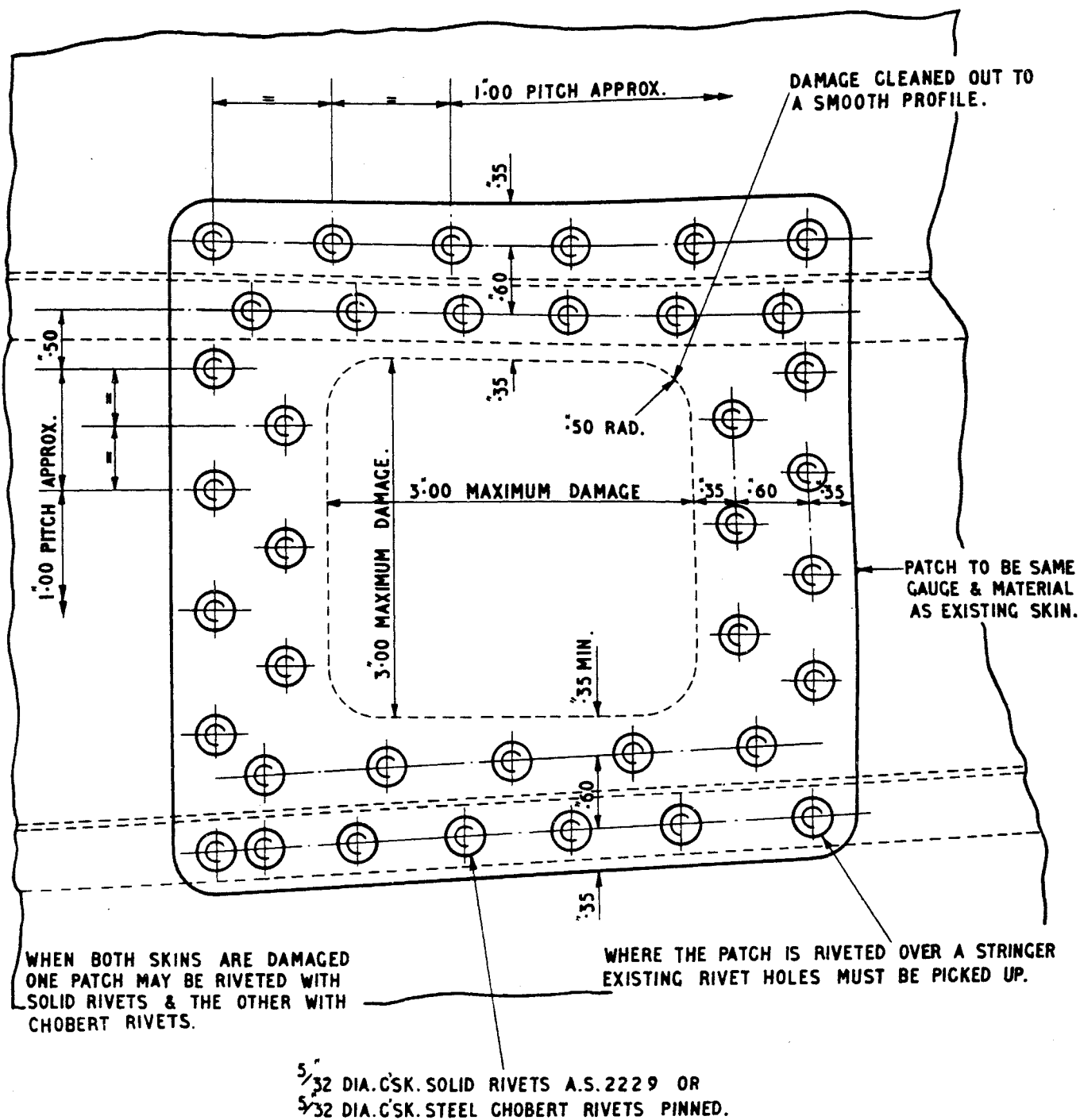


FIG. 6/9

PATCH REPAIRS FOR MAINPLANE

FIG. 6/9



NOTE:-

MINIMUM NUMBER OF RIVETS REQUIRED IS 36.
I.E. 9 PER SIDE OF PATCH.

FIG. 6/10

PATCH REPAIR TO MAINPLANE TOP & BOTTOM SKIN

FIG. 6/10

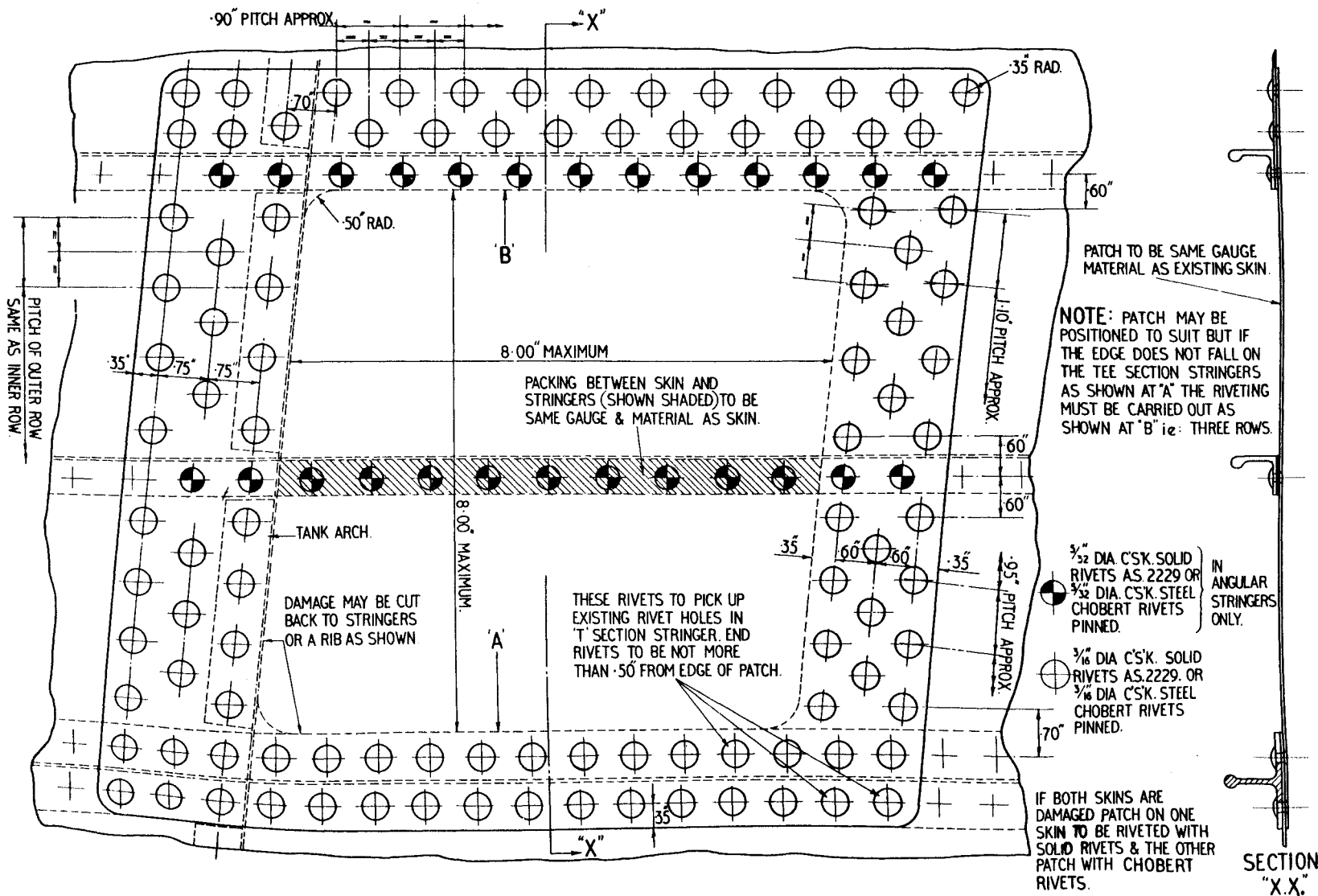


FIG. 6/11

PATCH REPAIR TO 16 SWG SKIN

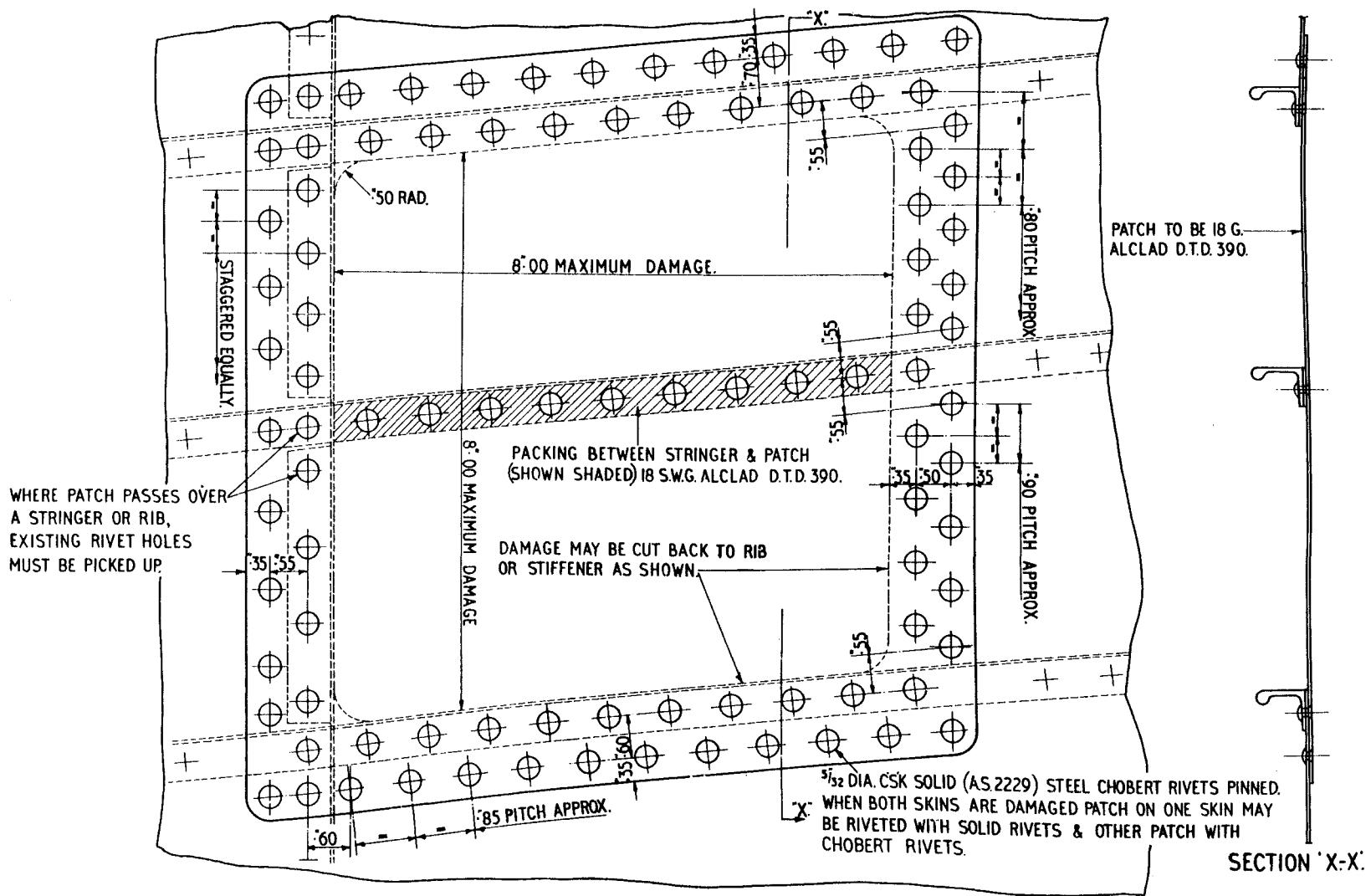
MAINPLANE BETWEEN RIBS 1 & 2

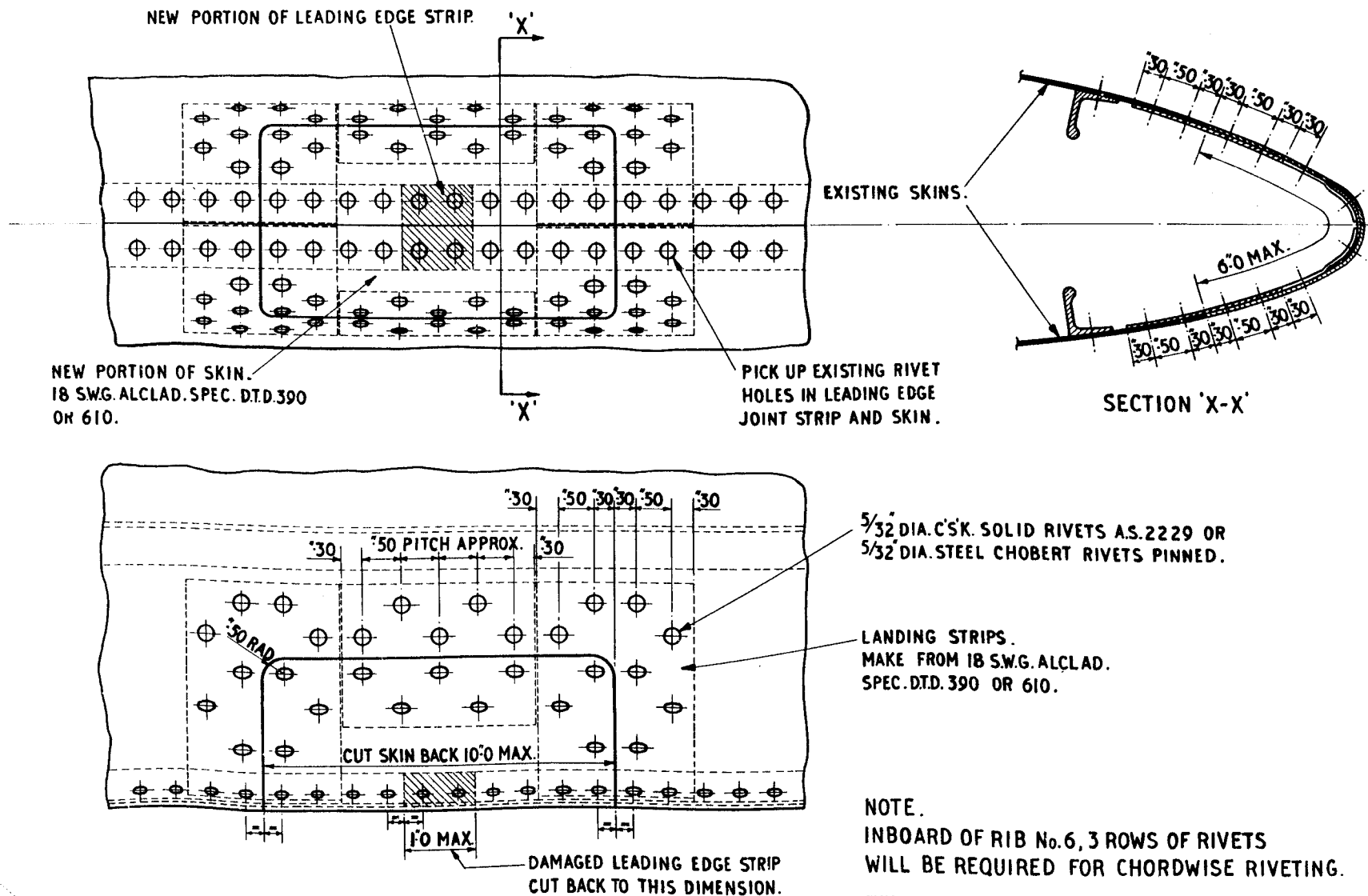
FIG. 6/11

FIG. 6/12

PATCH REPAIR TO MAINPLANE SKINS
BETWEEN RIBS 2 & 8

FIG. 6/12





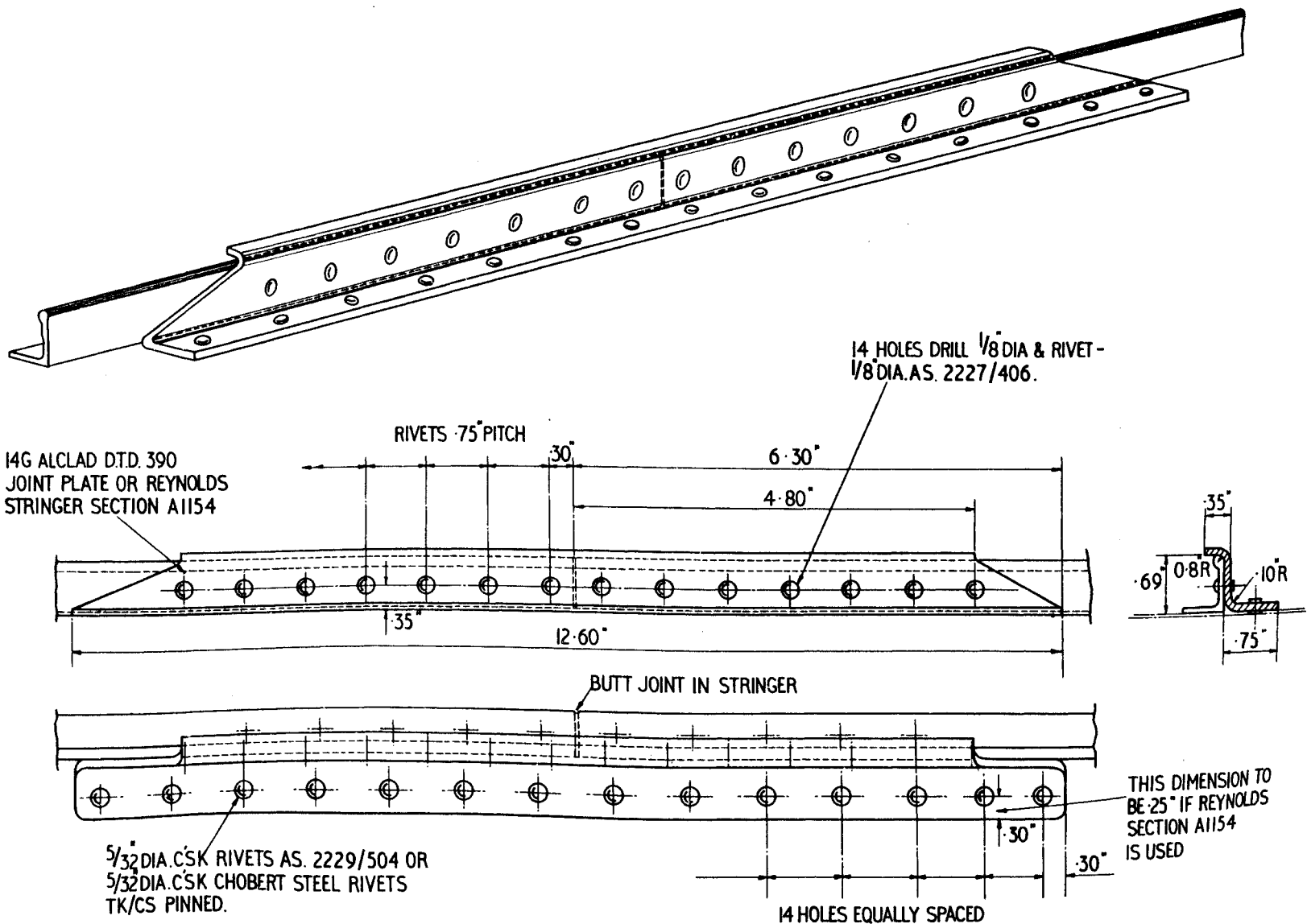


FIG. 6/15

REPAIR TO SKIN STRINGERS
OF MAINPLANE

FIG. 6/15

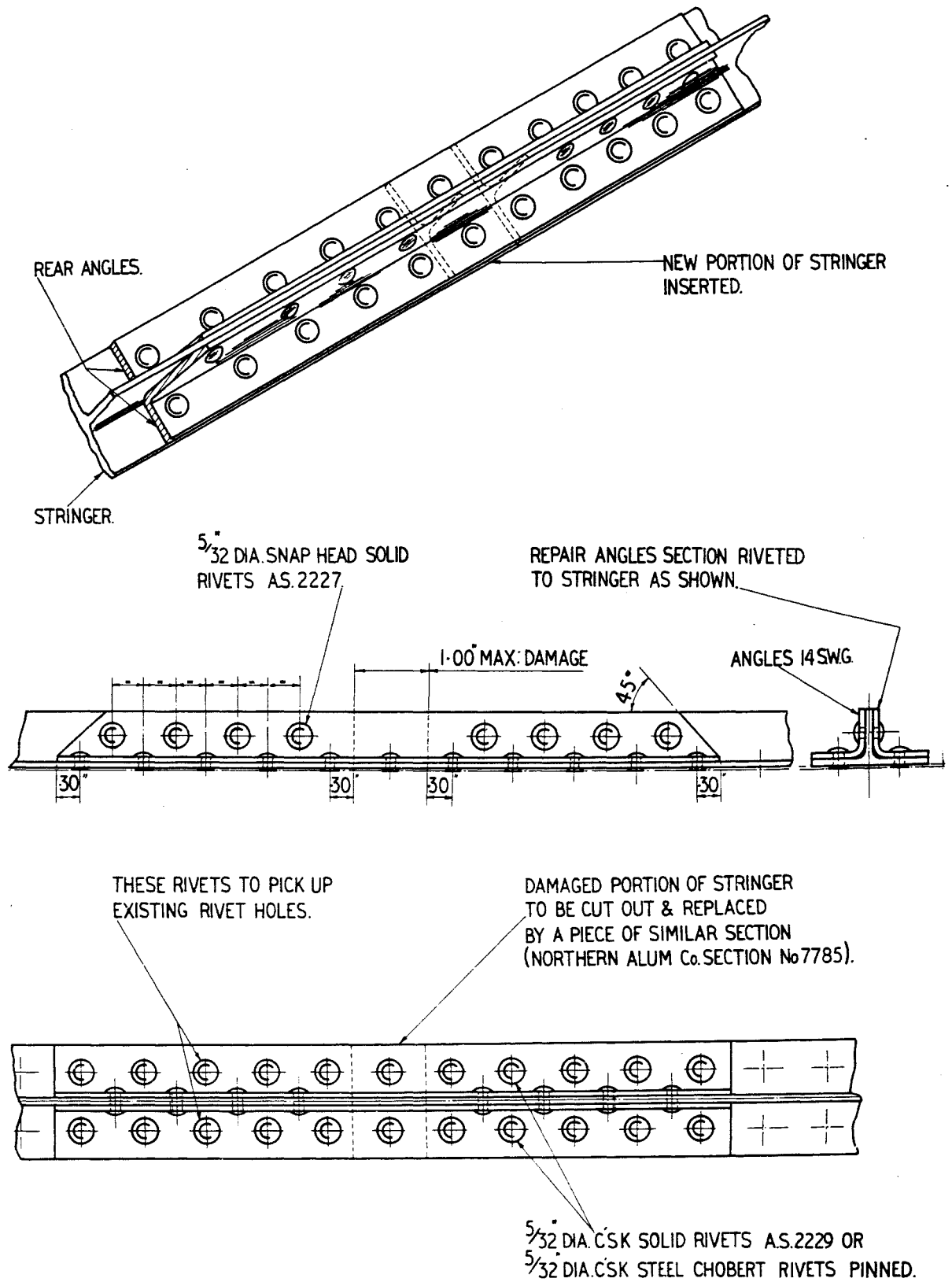


FIG. 6/16

REPAIR TO SKIN STRINGERS
OF MAINPLANE

FIG. 6/16

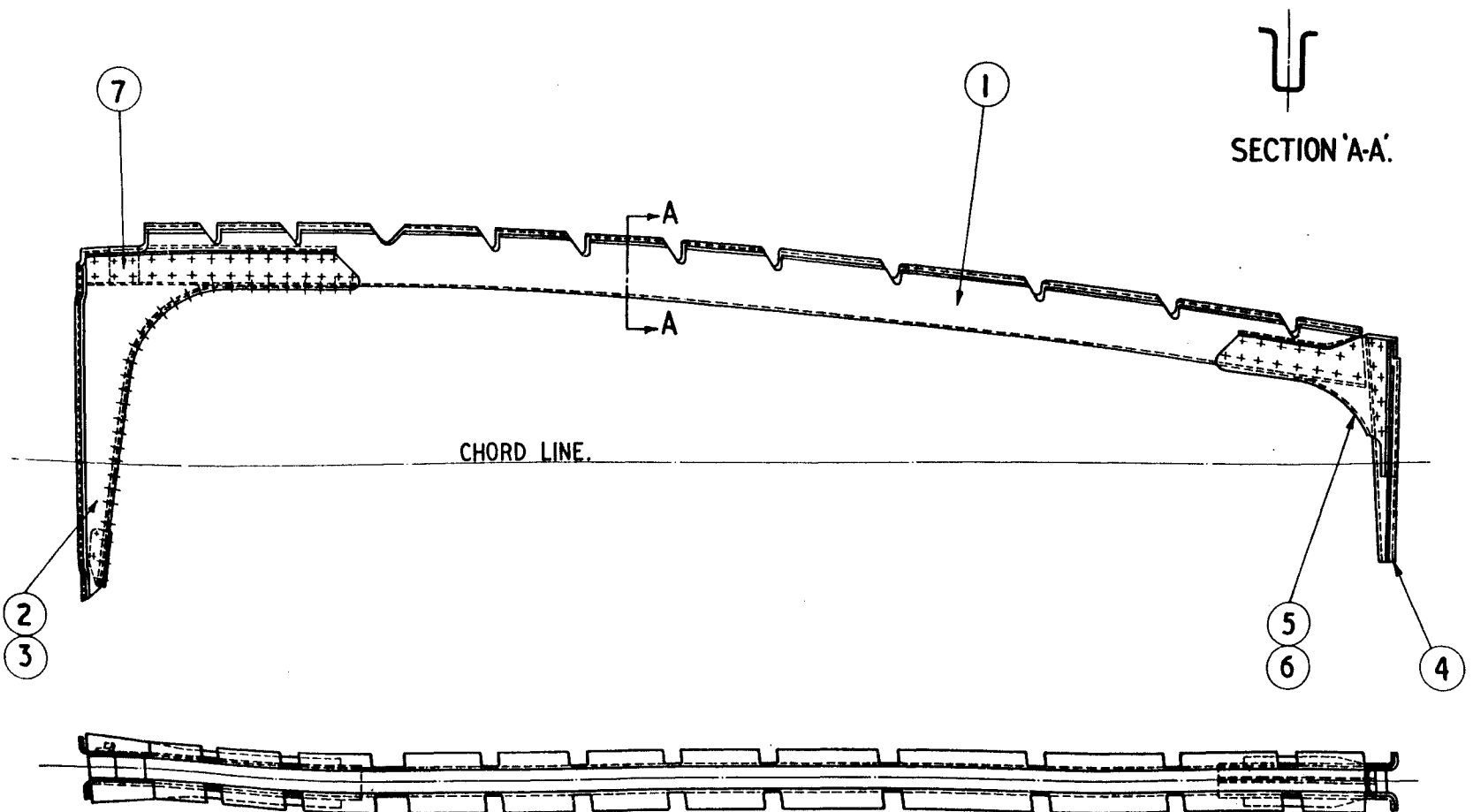


FIG. 6/17

TANK ARCH

FIG. 6/17

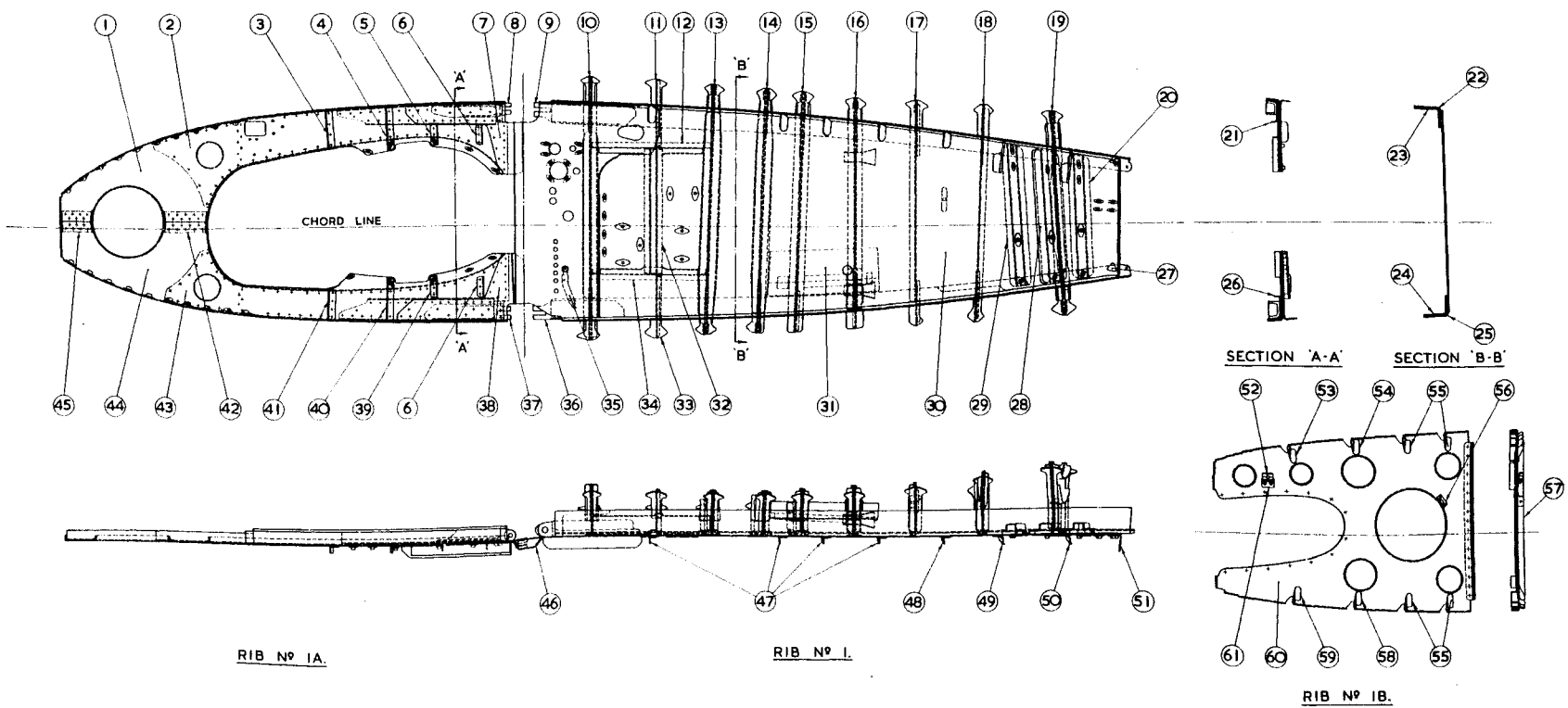


FIG. 6/18

WING RIB NOS. 1, 1A, & 1B

FIG. 6/18

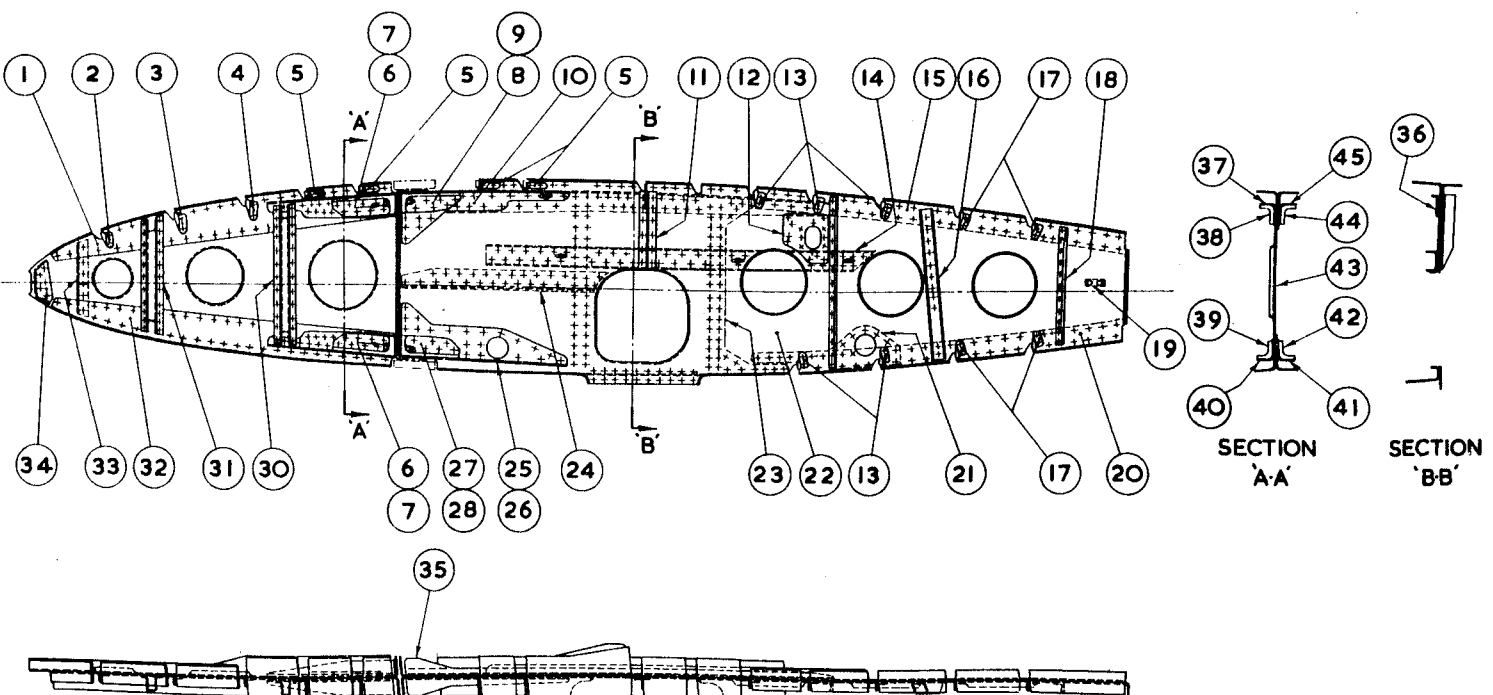
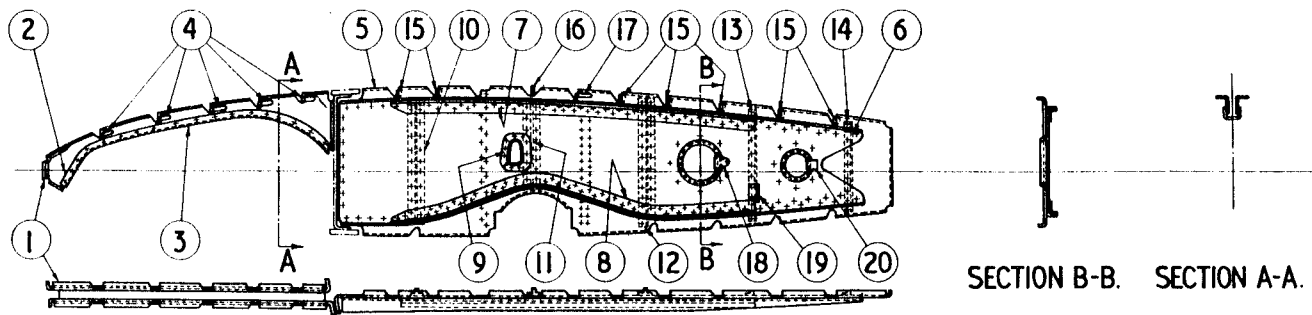


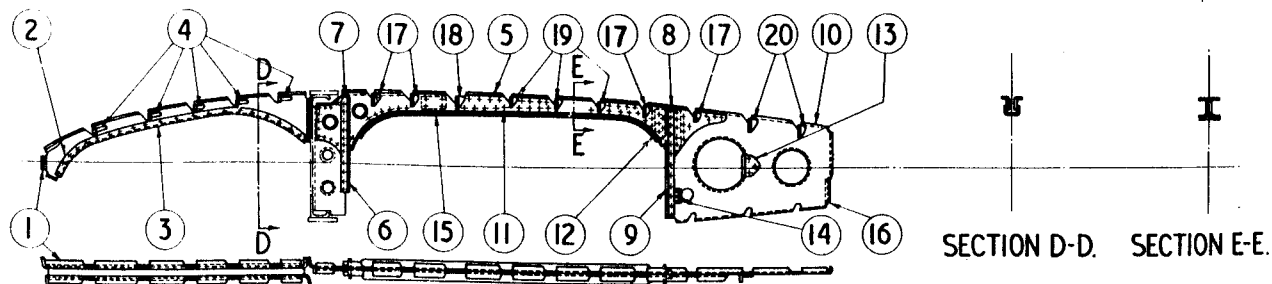
FIG. 6/19

WING RIB NO. 2

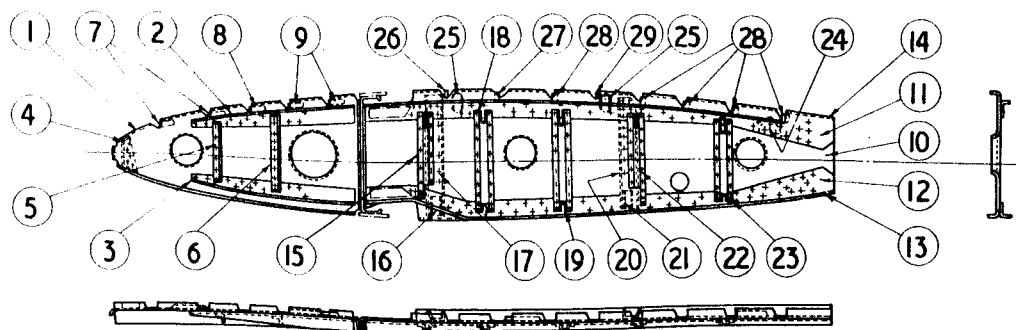
FIG. 6/19



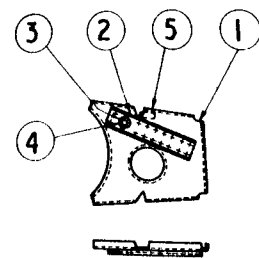
RIB No. 3.



RIB No. 4.



RIB No. 5.

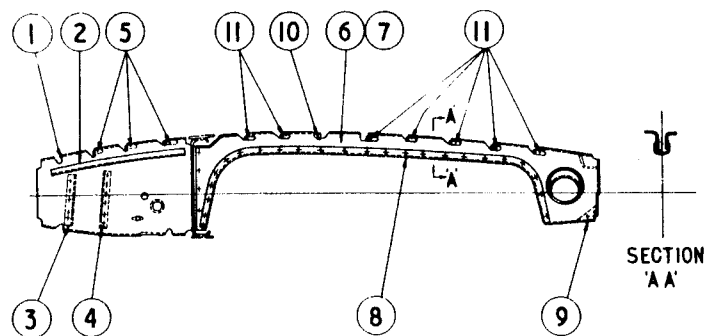


RIB No. 5A.

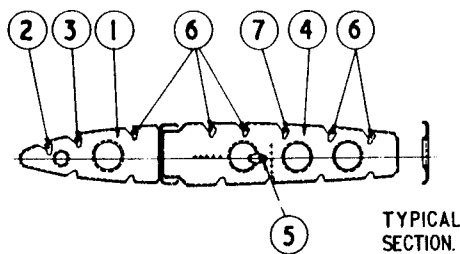
FIG. 6/20

WING RIB NOS. 3, 4, 5 & 5A

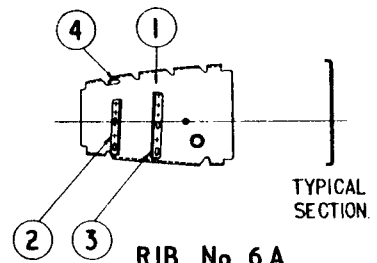
FIG. 6/20



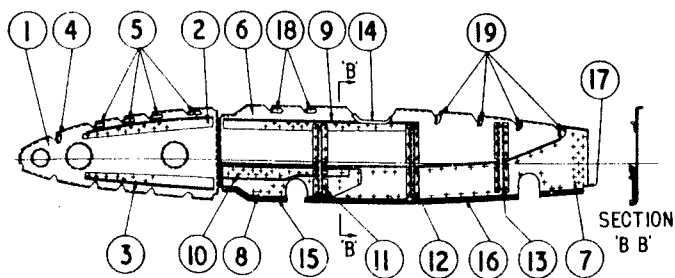
RIB No. 6.



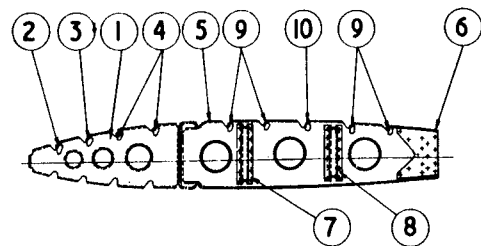
RIB No. 11.



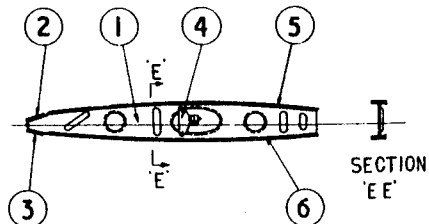
RIB No. 6 A.



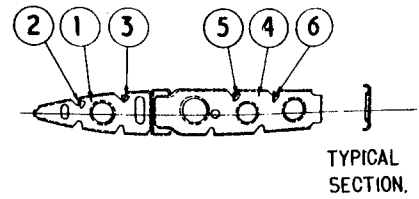
RIB No. 7.



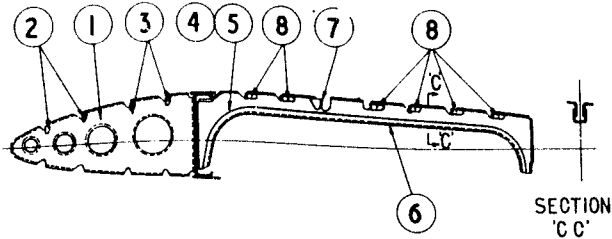
RIB No. 10.



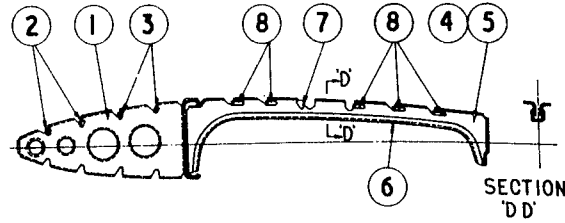
RIB No. 14.



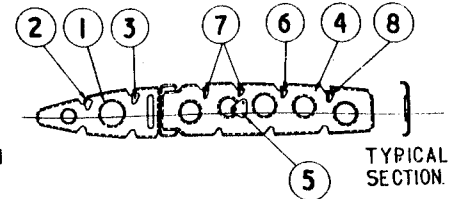
RIB No. 13.



RIB No. 8.



RIB No. 9.



RIB No. 12.

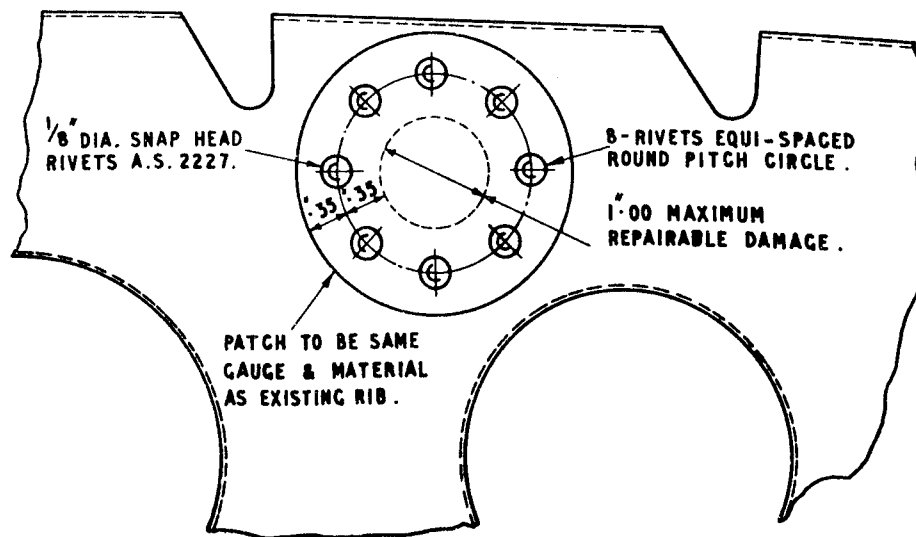
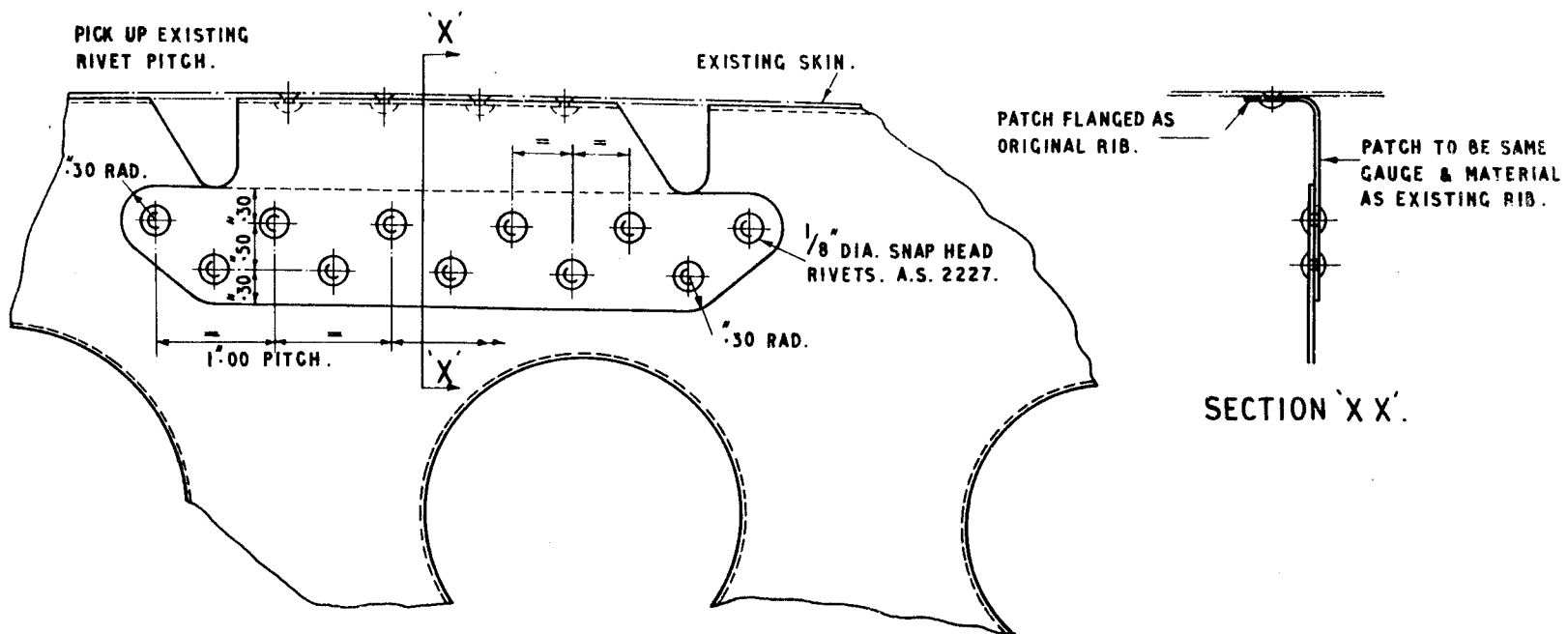


FIG. 6/22

REPAIRS TO WING RIBS

FIG. 6/22

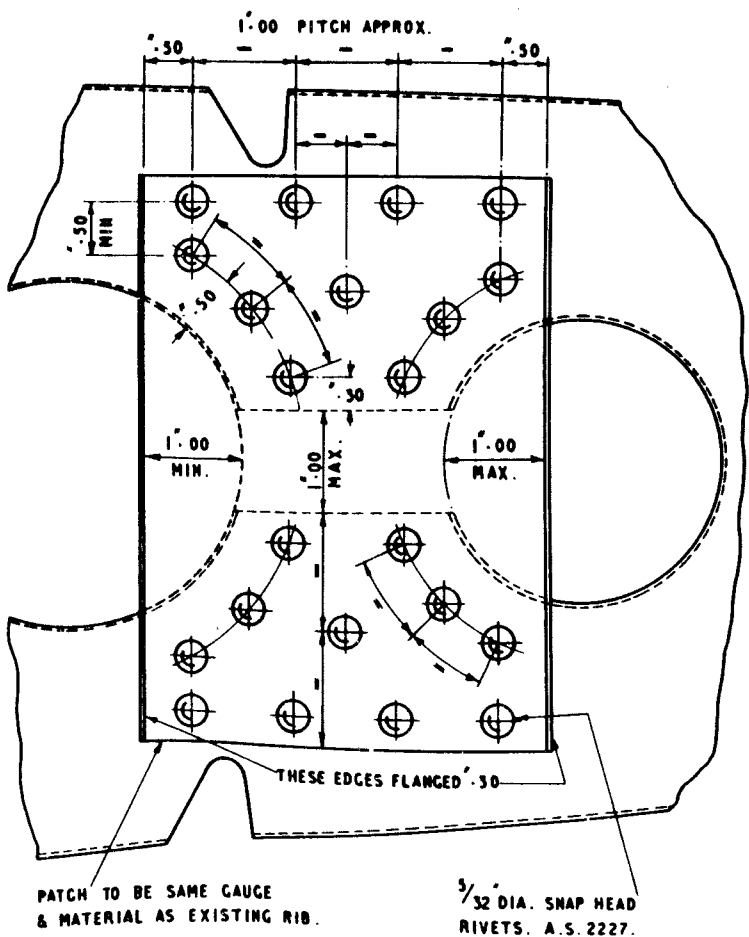
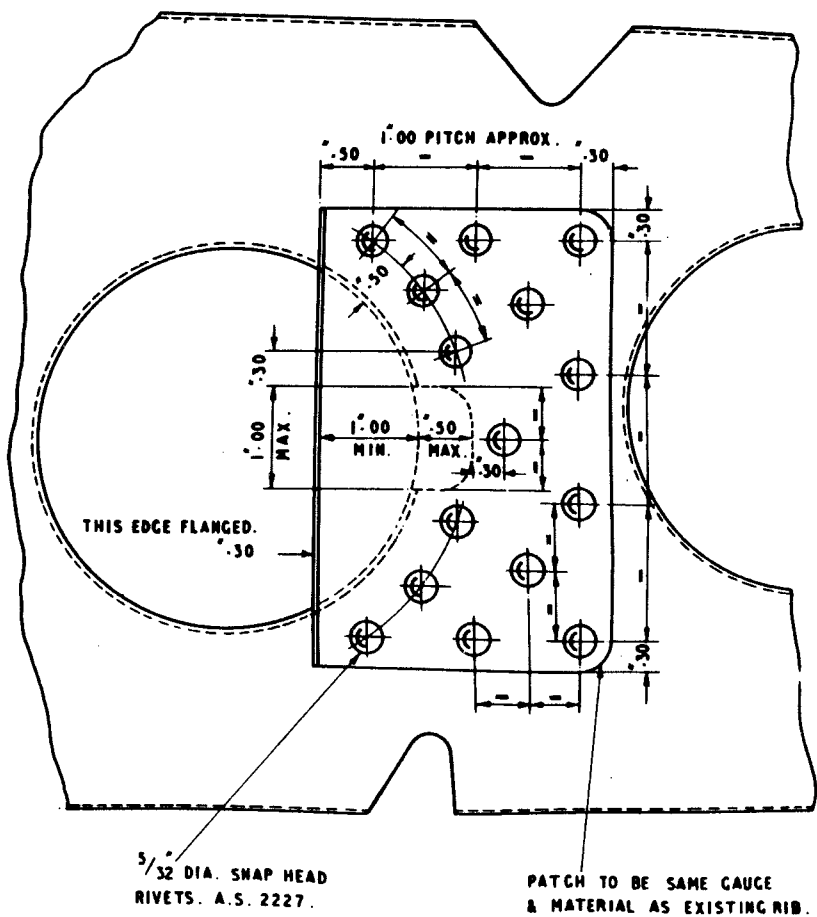


FIG. 6/23.

REPAIRS TO WEBS OF WING RIBS

FIG. 6/23

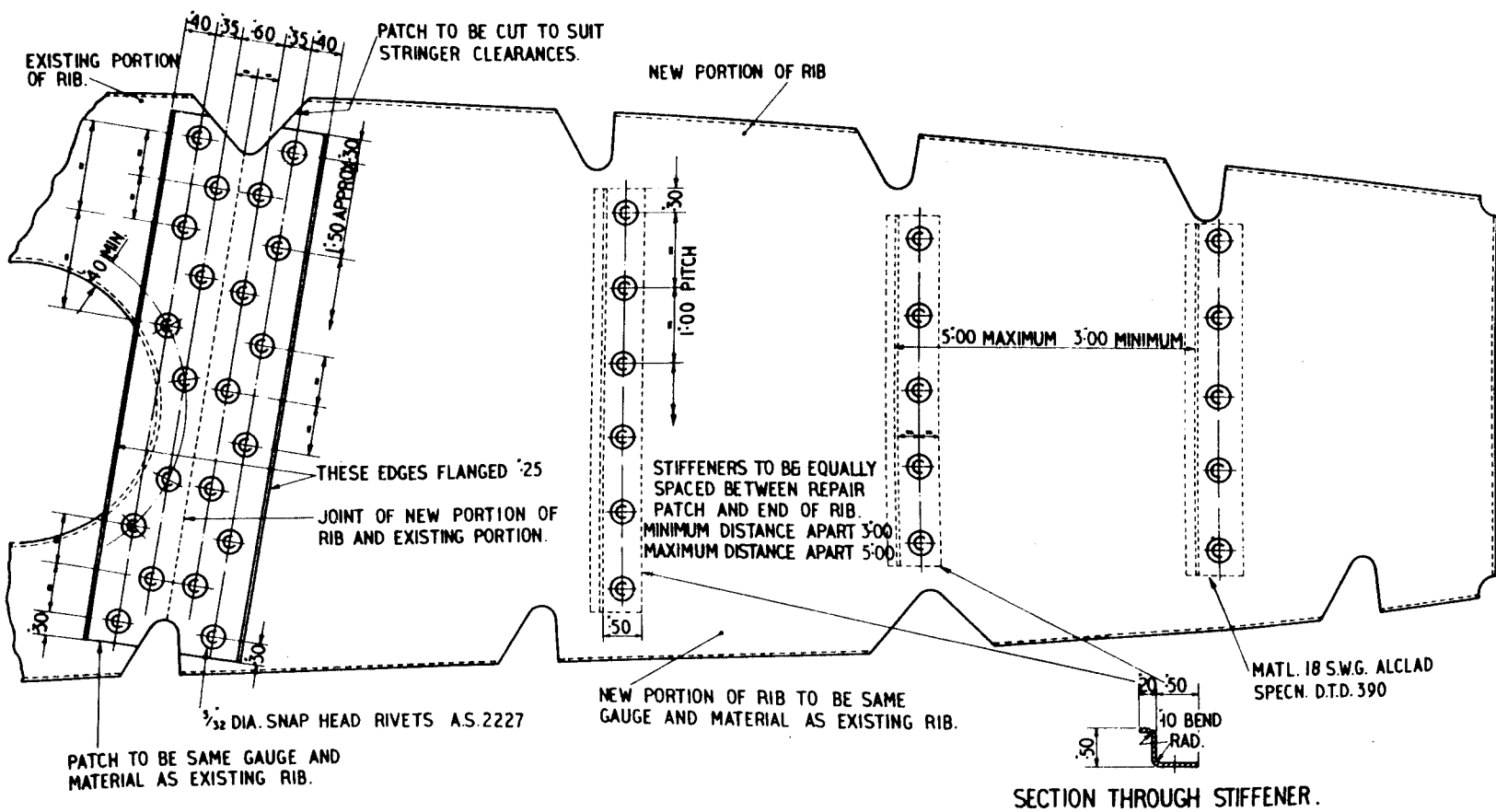


FIG. 6/24

METHOD OF REPLACING DAMAGED
PORTION OF WING RIB

FIG. 6/24

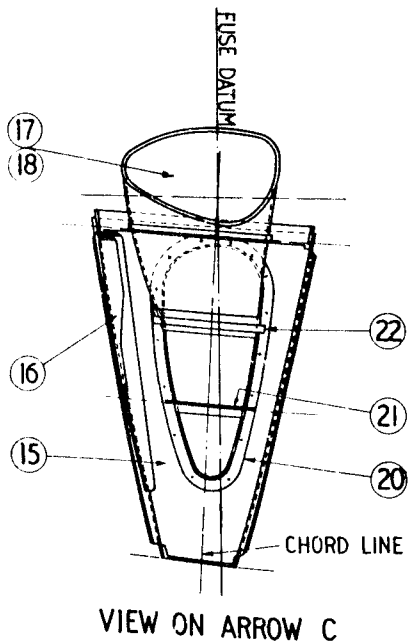
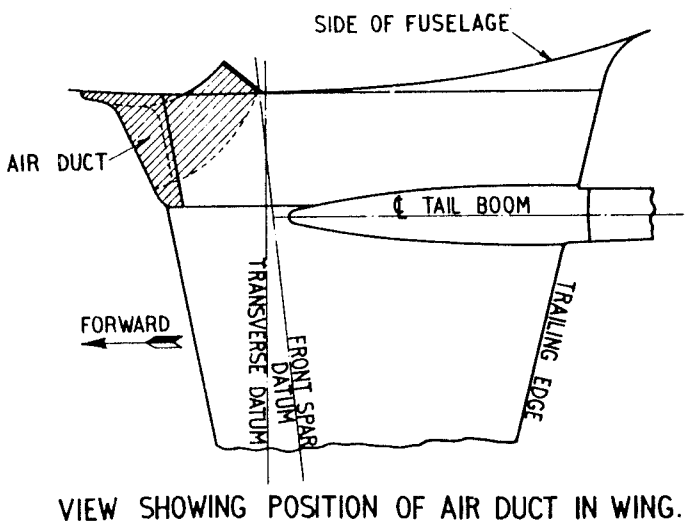
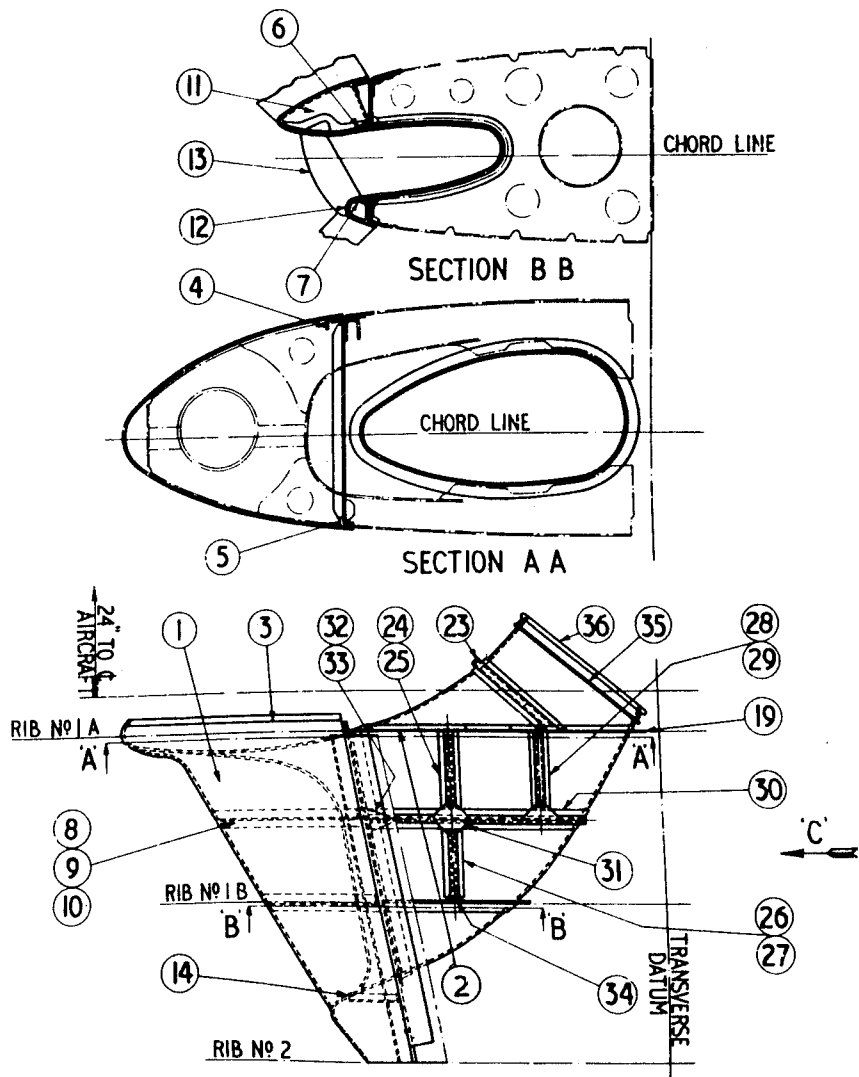


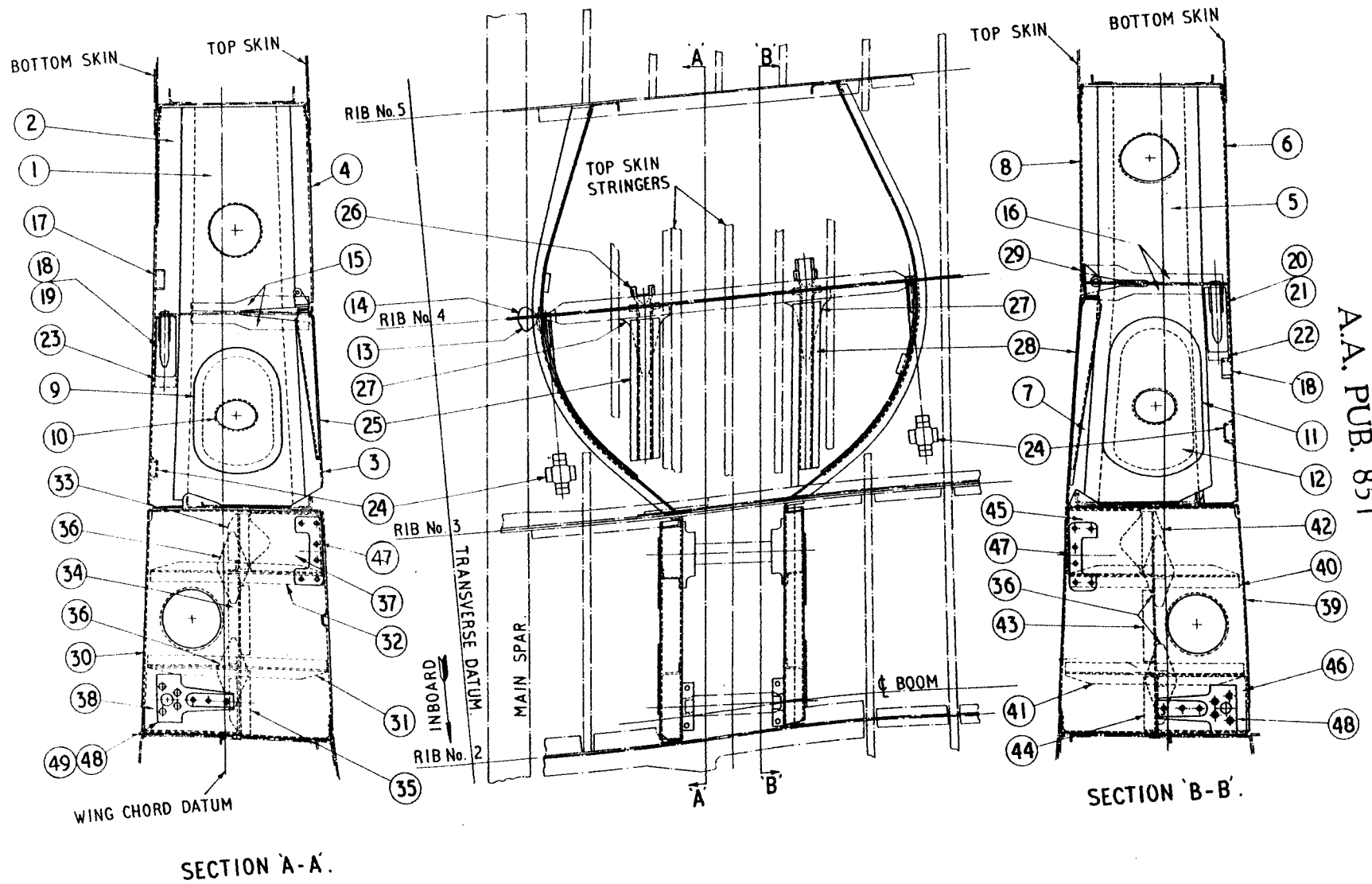
FIG. 6/25.

AIR DUCT IN WING

FIG. 6/25

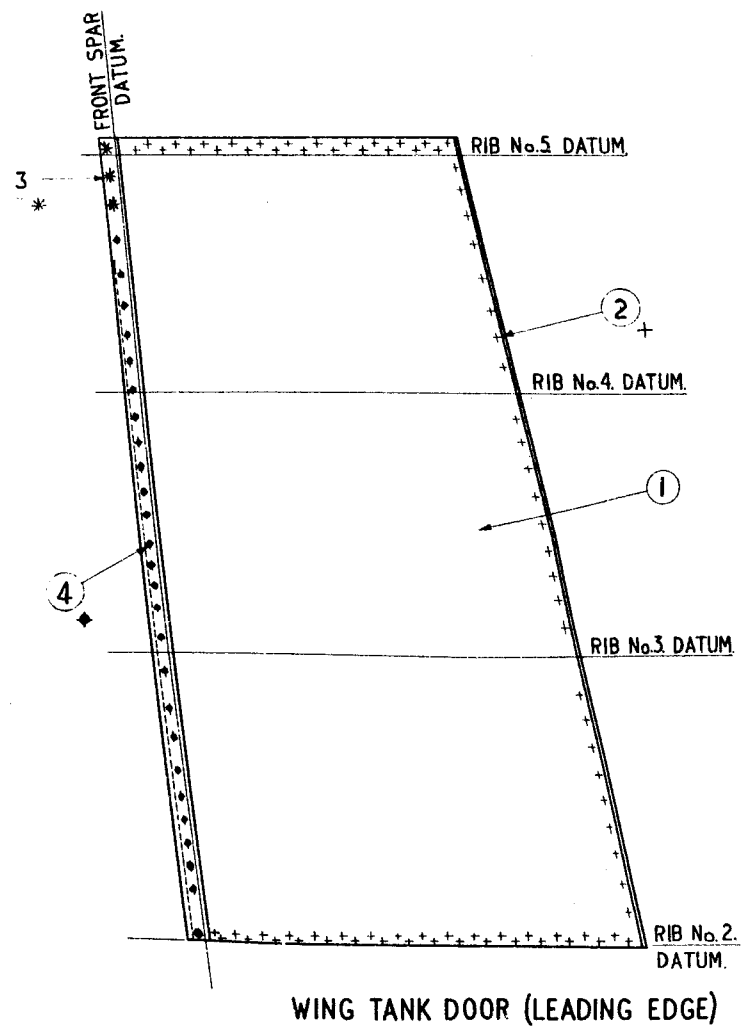
FIG. 6/26
WHEEL WELL & UNDERCARRIAGE
DIAPHRAGMS

NOTE: TOP & BOTTOM SKINS
OMITTED FOR CLARTY.

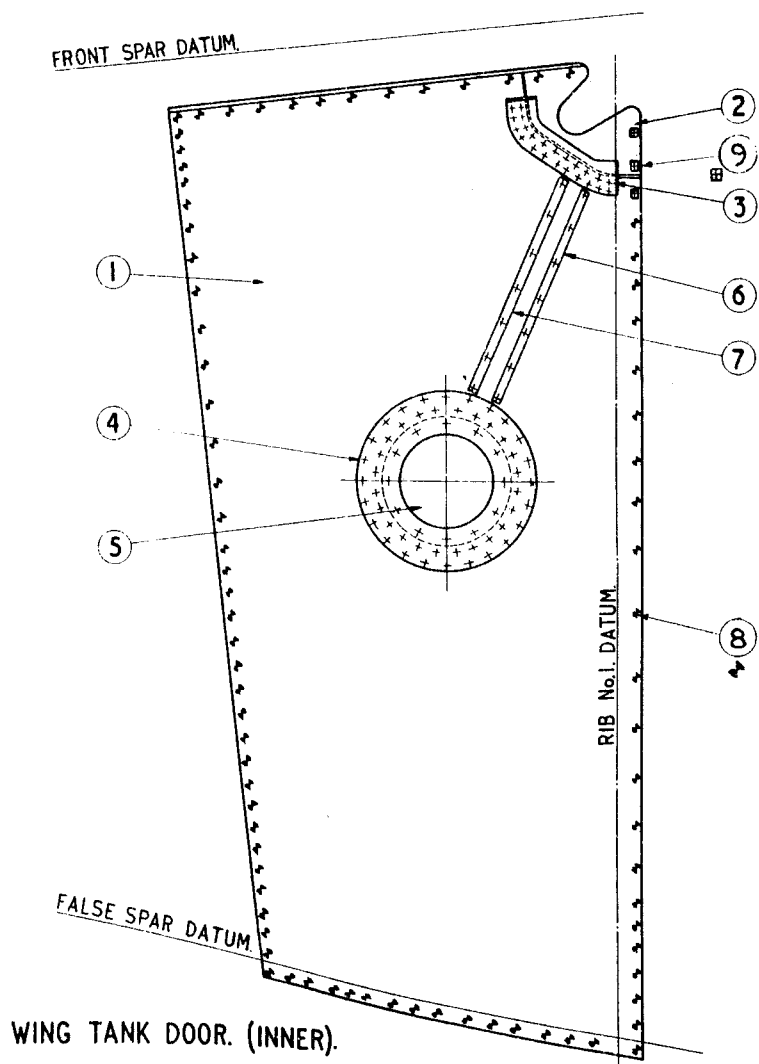


A.A. PUB. 851

FIG. 6/2



WING TANK DOOR (LEADING EDGE)



WING TANK DOOR. (INNER).

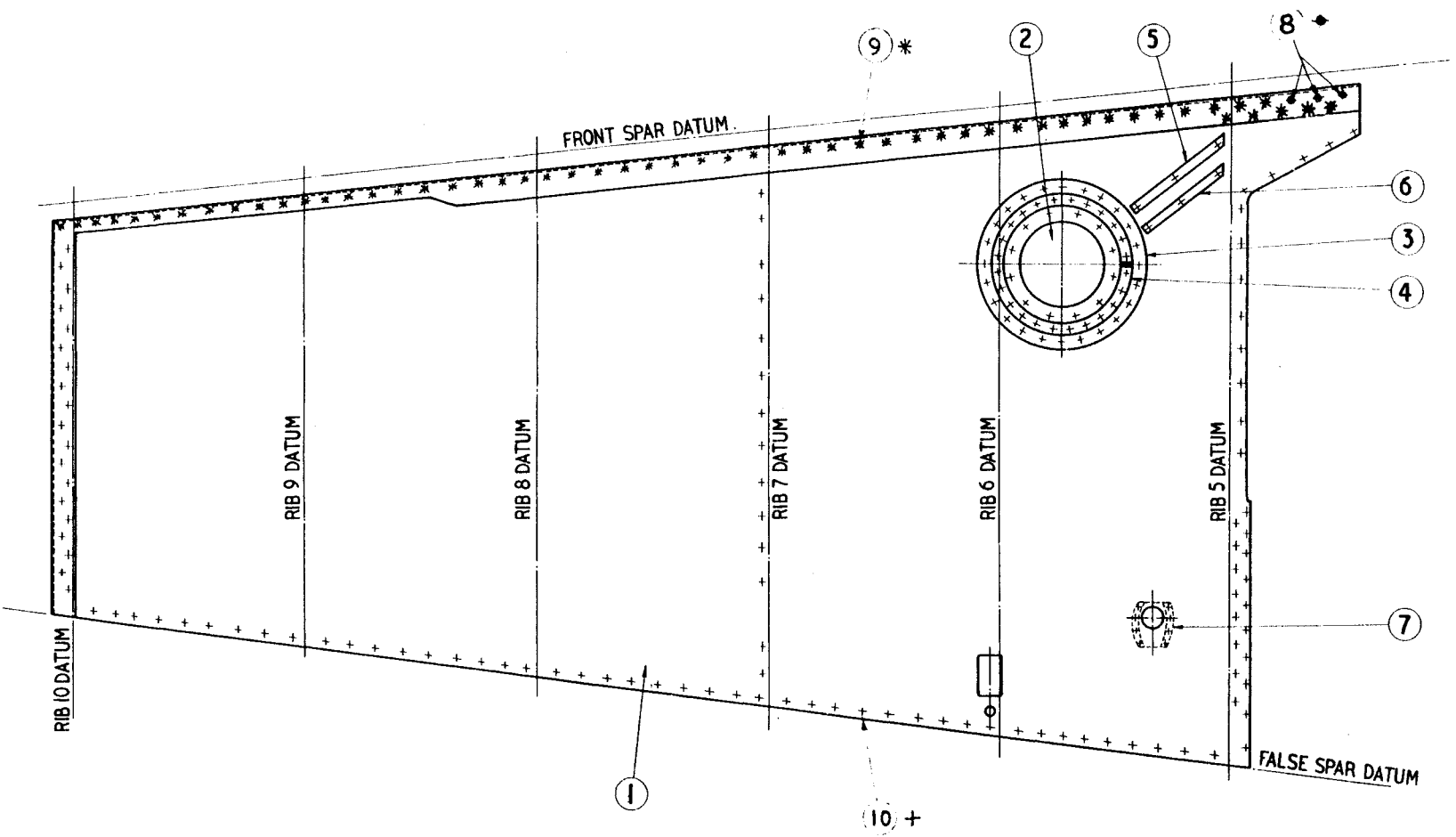
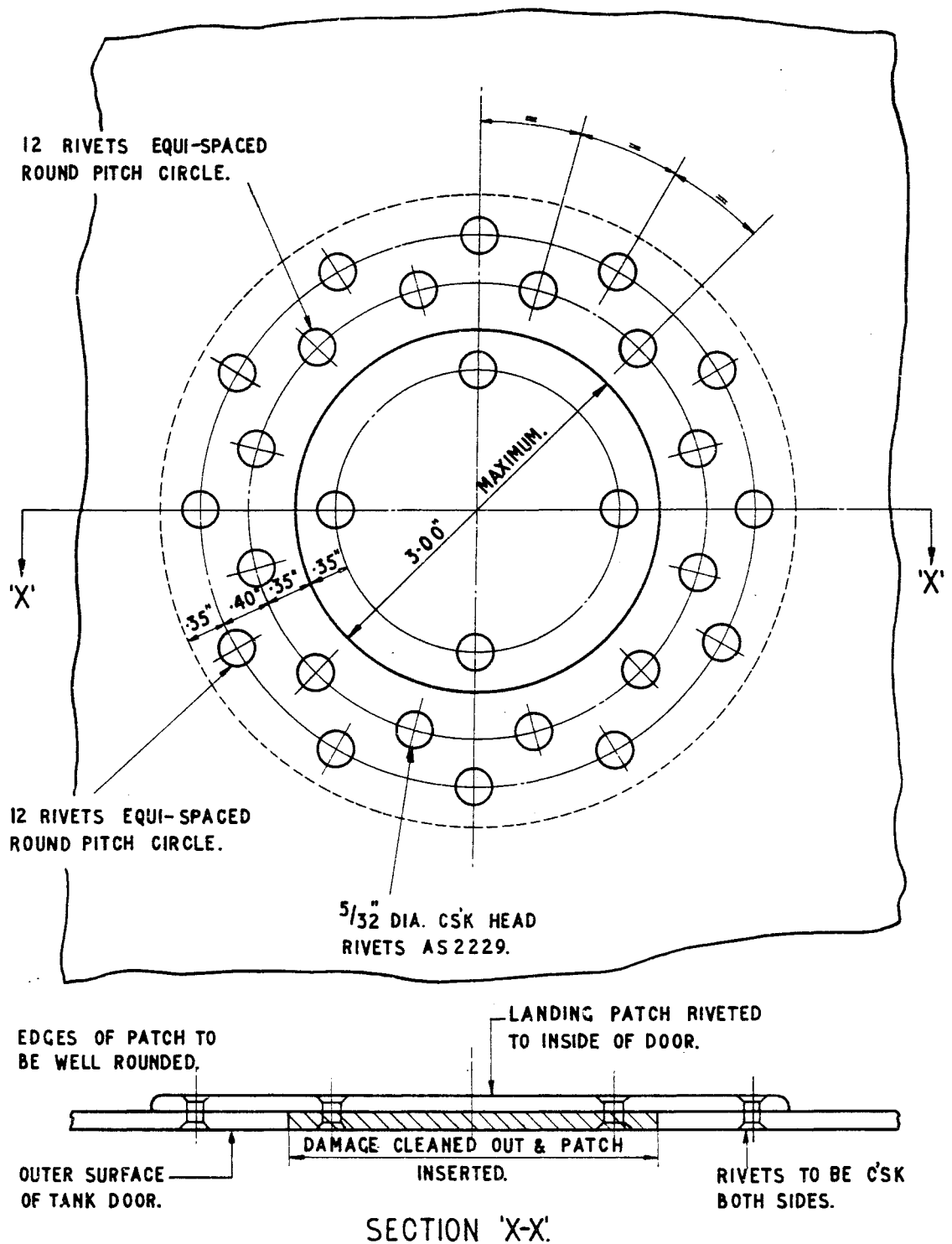
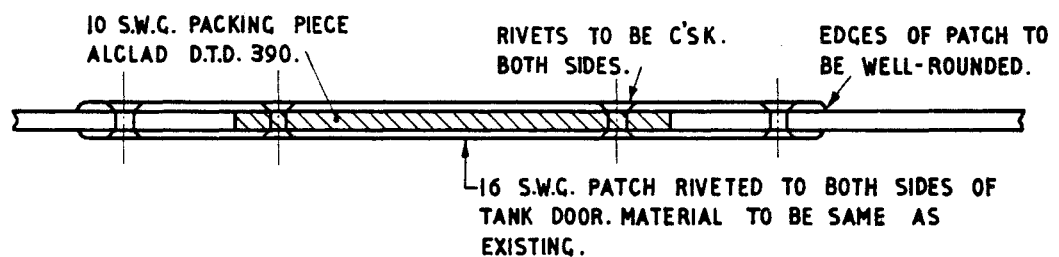
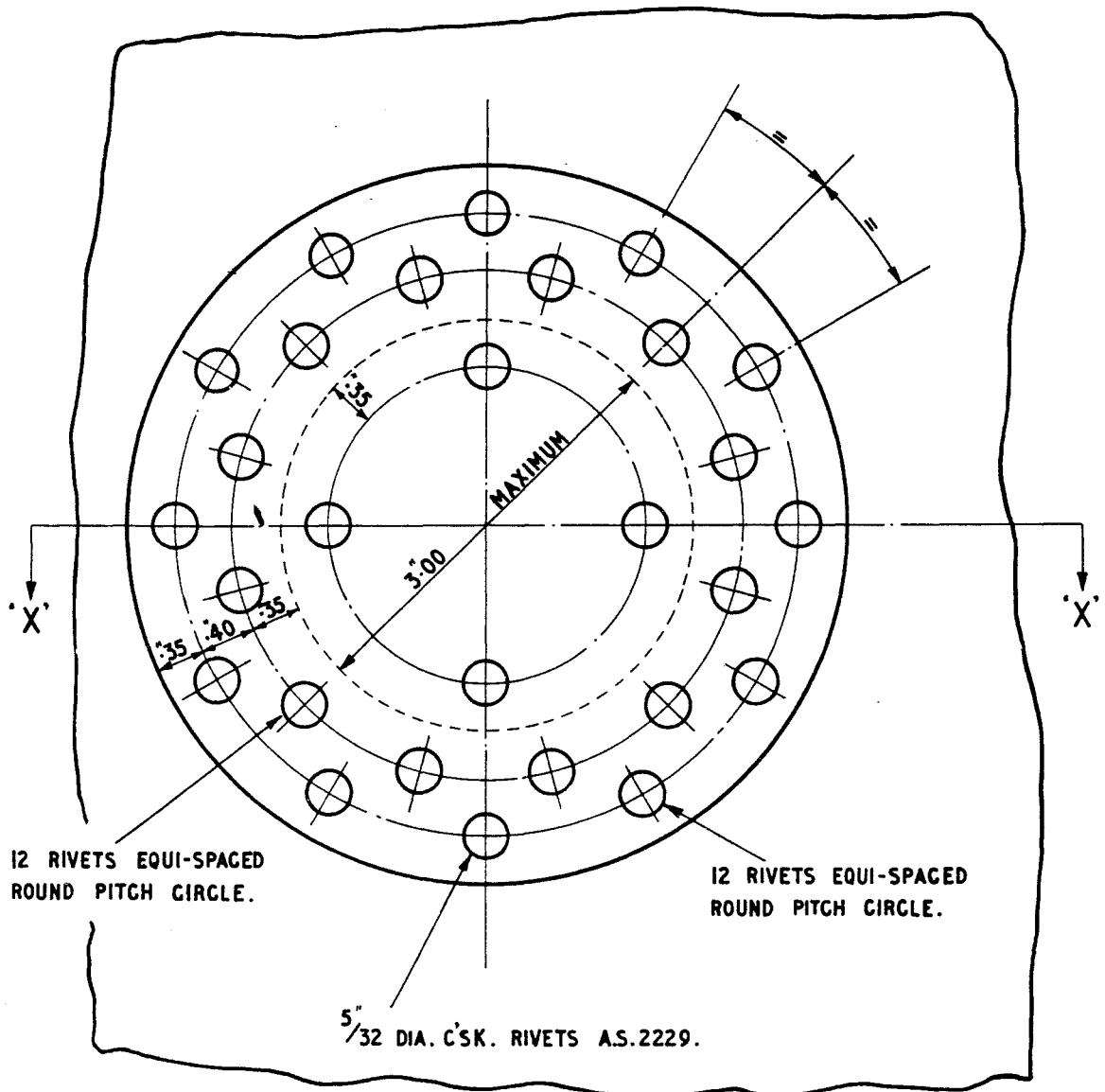


FIG. 6/28

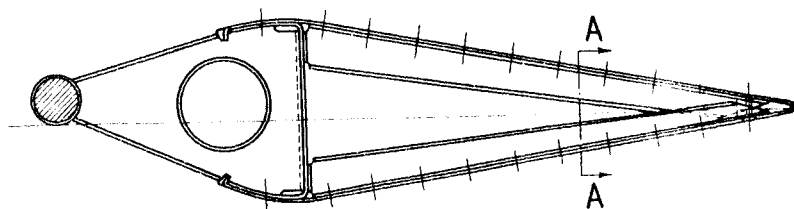
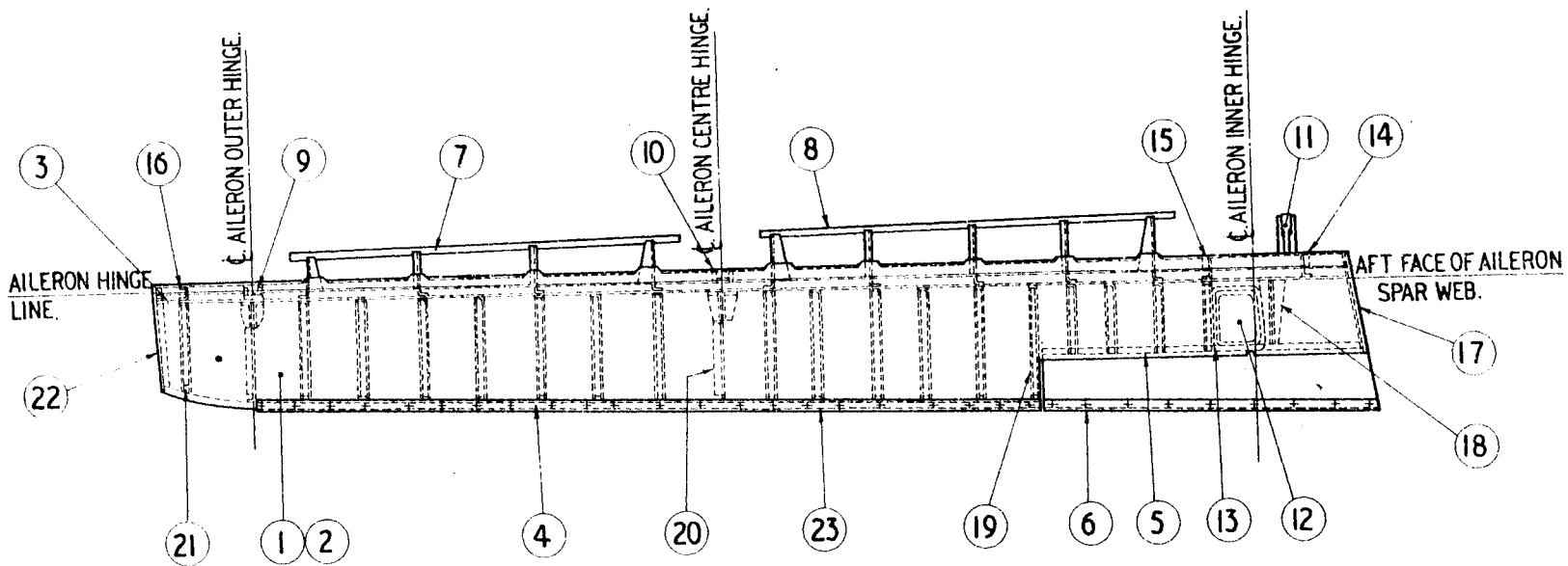
WING TANK DOOR (OUTER)

FIG. 6/28



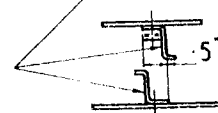


SECTION 'X-X'
SANDWICH REPAIR.



TYPICAL SECTION ON STD. RIB.

22 SWG. ALCLAD
D.T.D. 390.



SECTION "A-A"

FIG. 6/31

AILERON

FIG. 6/31

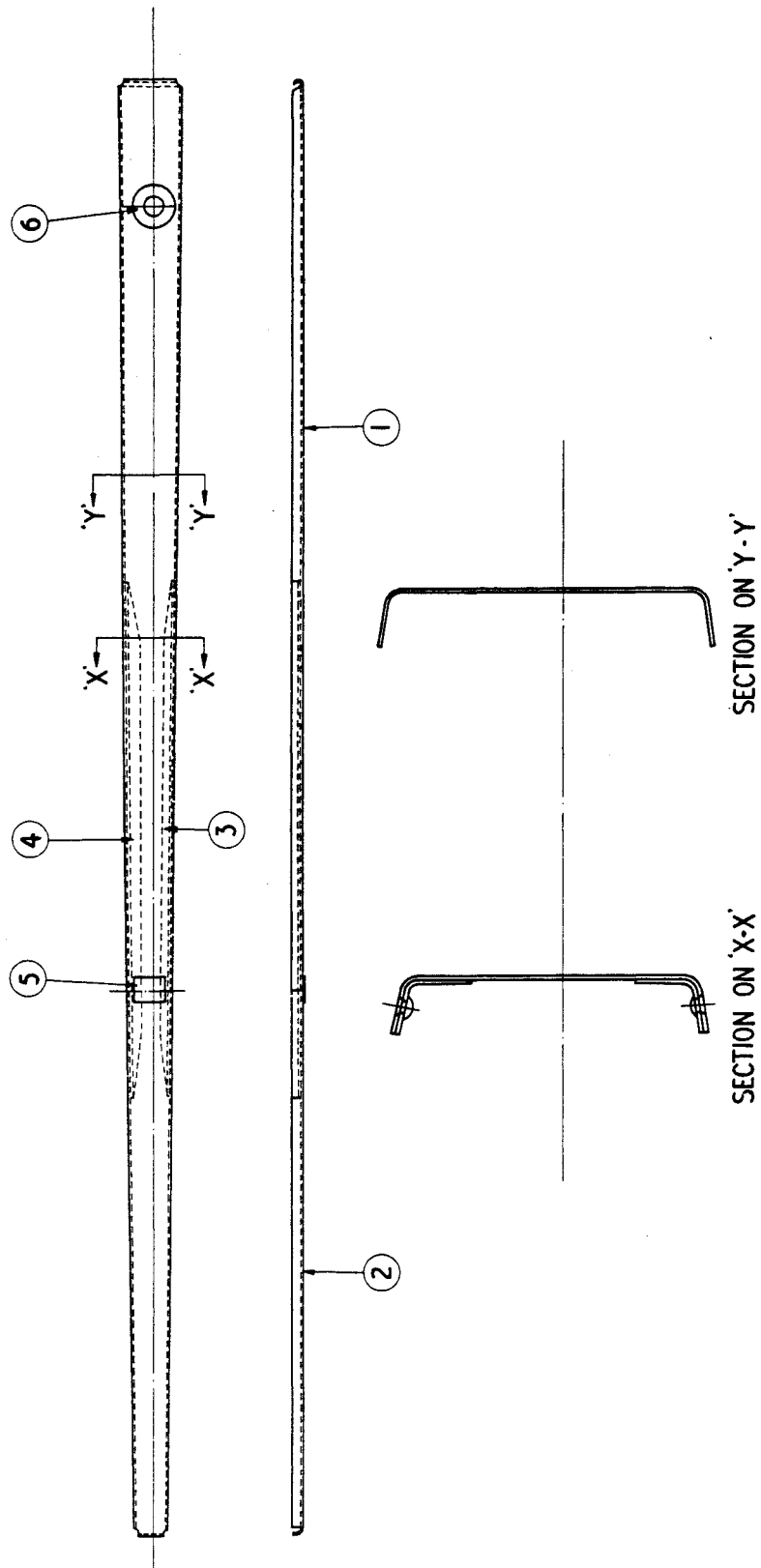
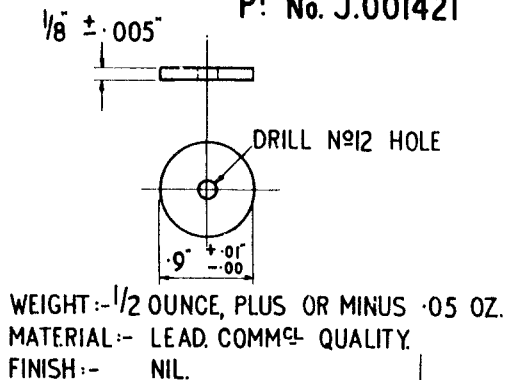


FIG. 6/32

AILERON SPAR

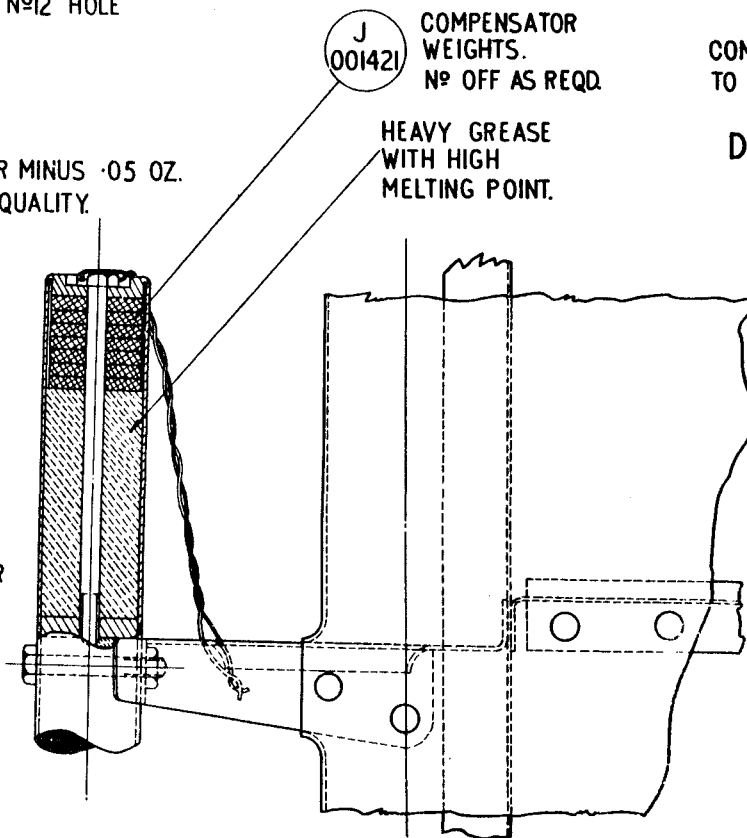
FIG. 6/32

DETAIL OF COMPENSATOR WEIGHT. PT. No. J.001421

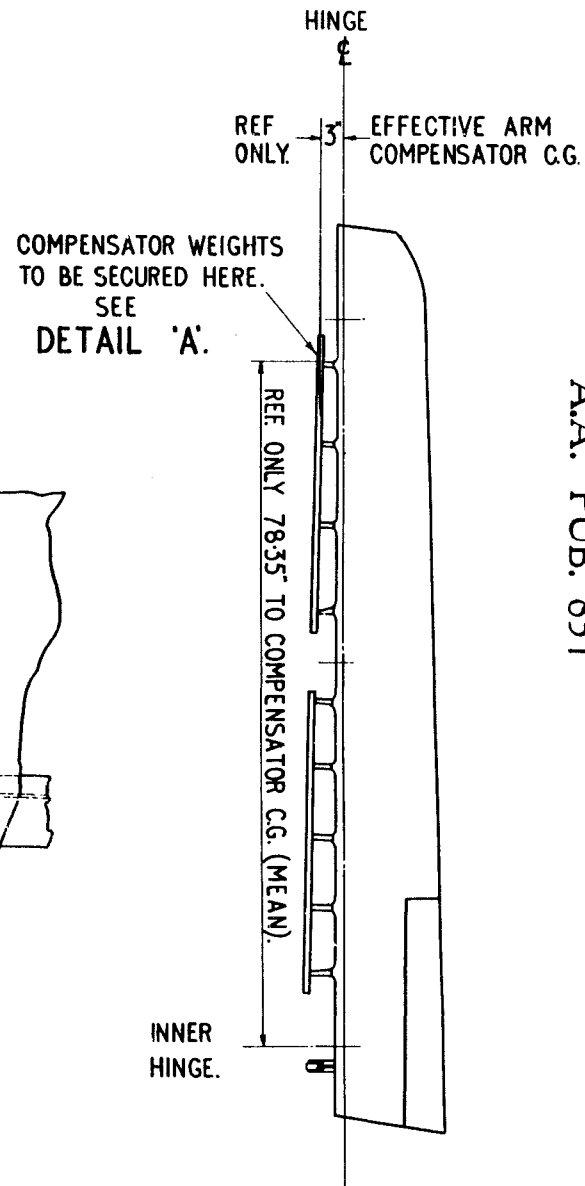


METHOD OF SECURING COMPENSATOR WEIGHTS.

1. REMOVE 2 B.A. BOLT AND SEALING CAP.
2. PLACE THE NUMBER OF COMPENSATOR WEIGHTS REQUIRED ON THE BOLT.
3. PARTLY FILL THE COMPENSATOR CHAMBER WITH GREASE. (SO THAT NO AIR-SPACE WILL REMAIN).
4. INSERT THE 2 B.A. BOLT, CAP AND COMPENSATOR WEIGHTS TOGETHER.
5. FINALLY LOCK 2 B.A. BOLT WITH 20 S.W.G. IRON LOCKING WIRE.



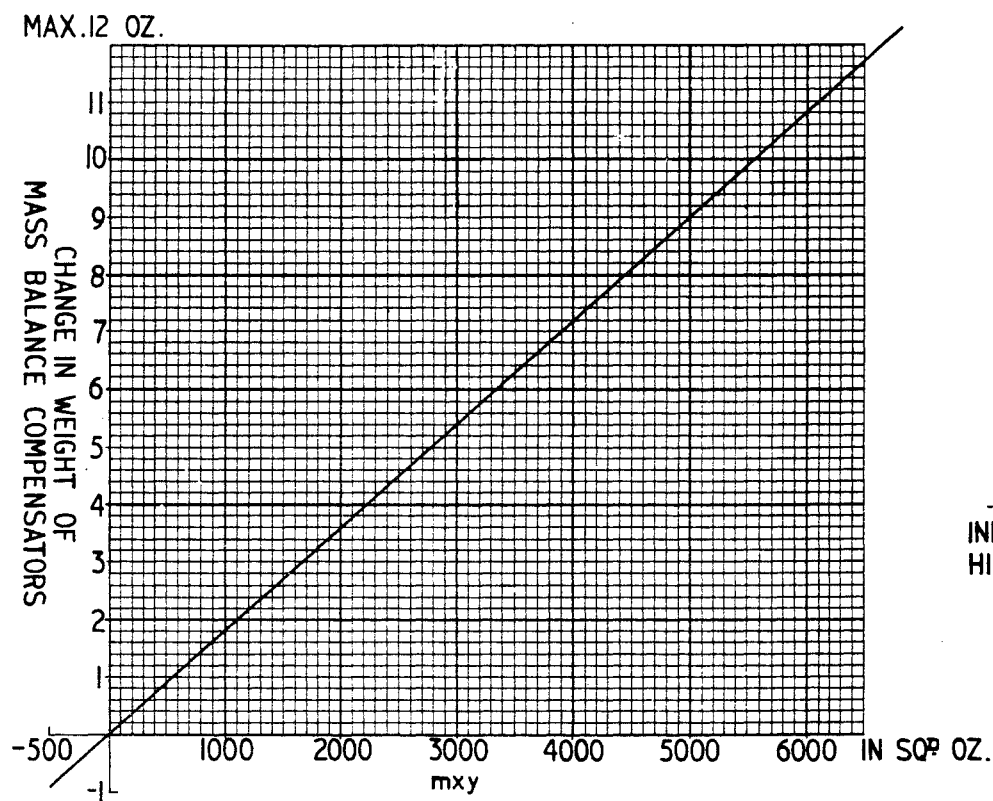
DETAIL 'A'. - PART SECTION.



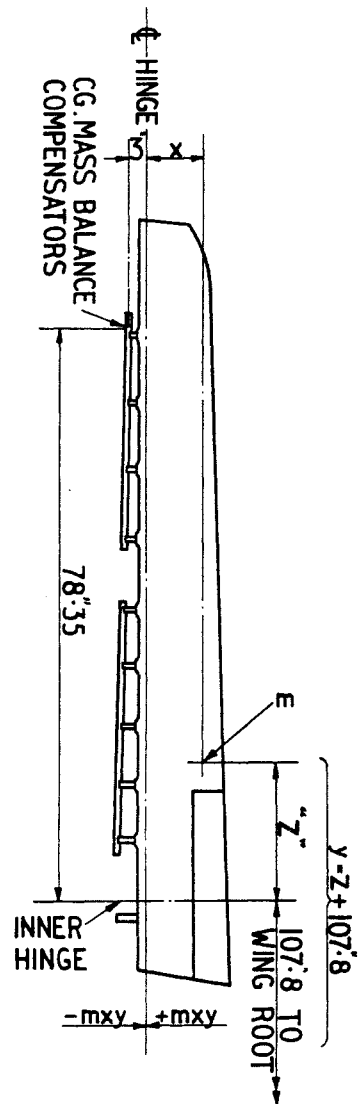
- x = DISTANCE (IN INCHES) FROM $\perp$ HINGE TO ESTIMATED REPAIR CG.
 y = TOTAL DISTANCE (IN INCHES) FROM WING ROOT TO ESTIMATED REPAIR CG. I.E. DISTANCE 'Z' FROM AILERON INNER HINGE TO ESTIMATED REPAIR CG. PLUS 107.8 INCHES.
 m = WEIGHT (IN OUNCES) OF REPAIR MATERIAL MINUS WEIGHT OF MATERIAL REMOVED TO CLEAN OUT DAMAGE.

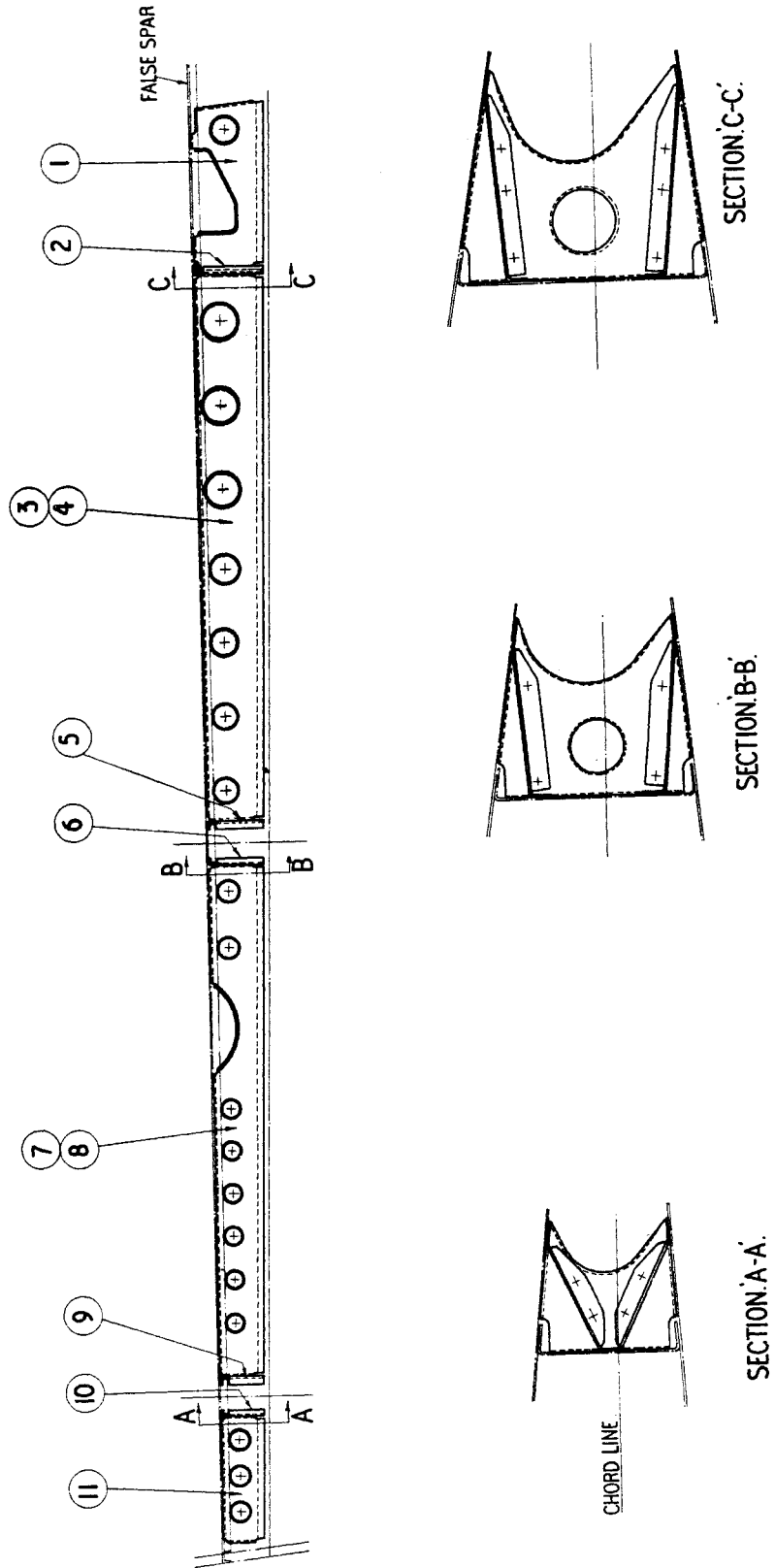
NOTE:

mxy MUST BE RESOLVED FOR EACH REPAIR SO THAT THE "CHANGE IN WEIGHT" MAY BE DETERMINED FROM THE ALGEBRAIC SUM OF THE REPAIR MOMENTS.



GRAPH TO DETERMINE THE ALTERATION OF WEIGHT REQUIRED TO BALANCE WEIGHT OF AILERON AFTER REPAIR.





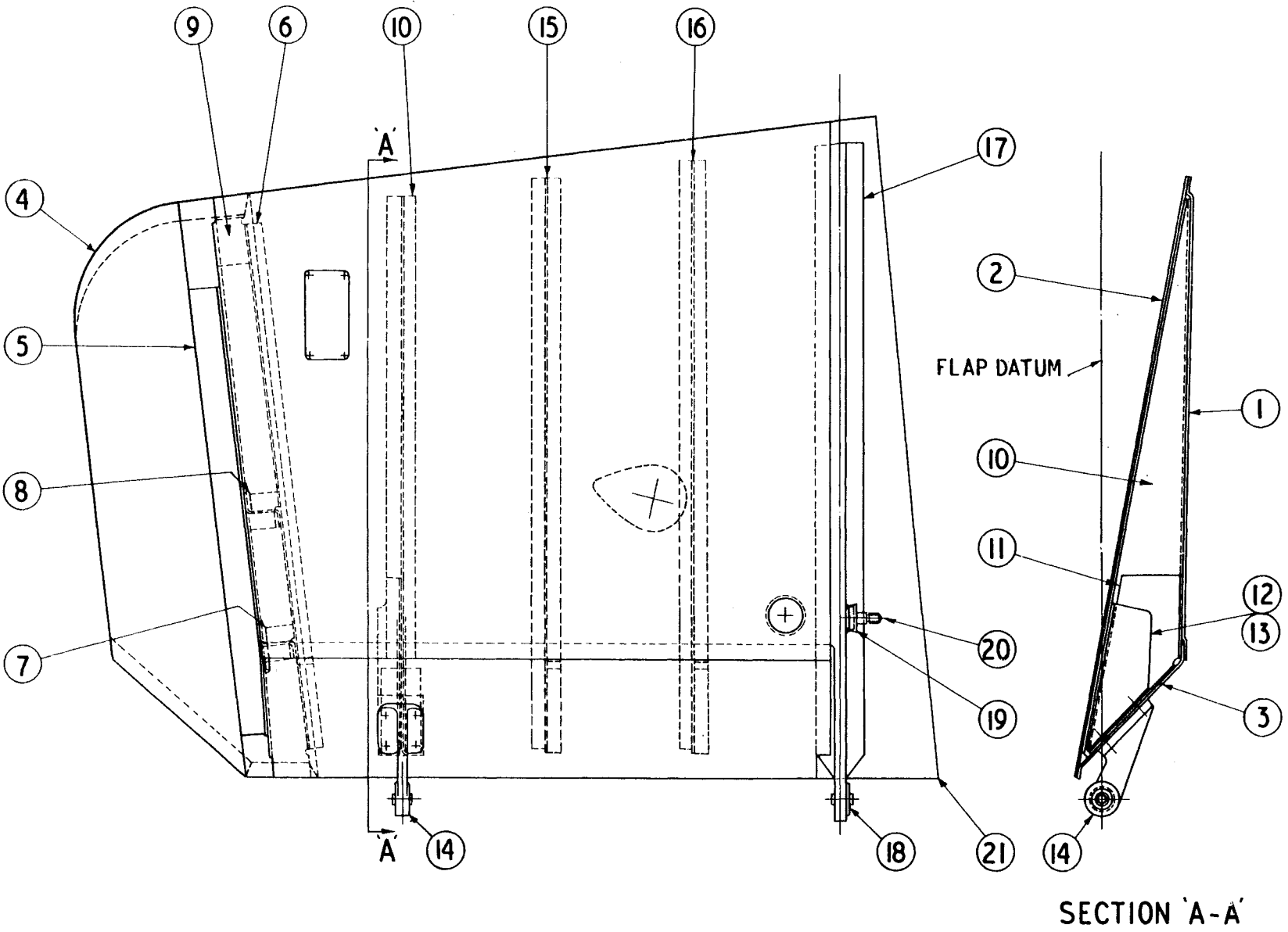


FIG. 6/36

INNER PORTION OF FLAP

FIG. 6/36

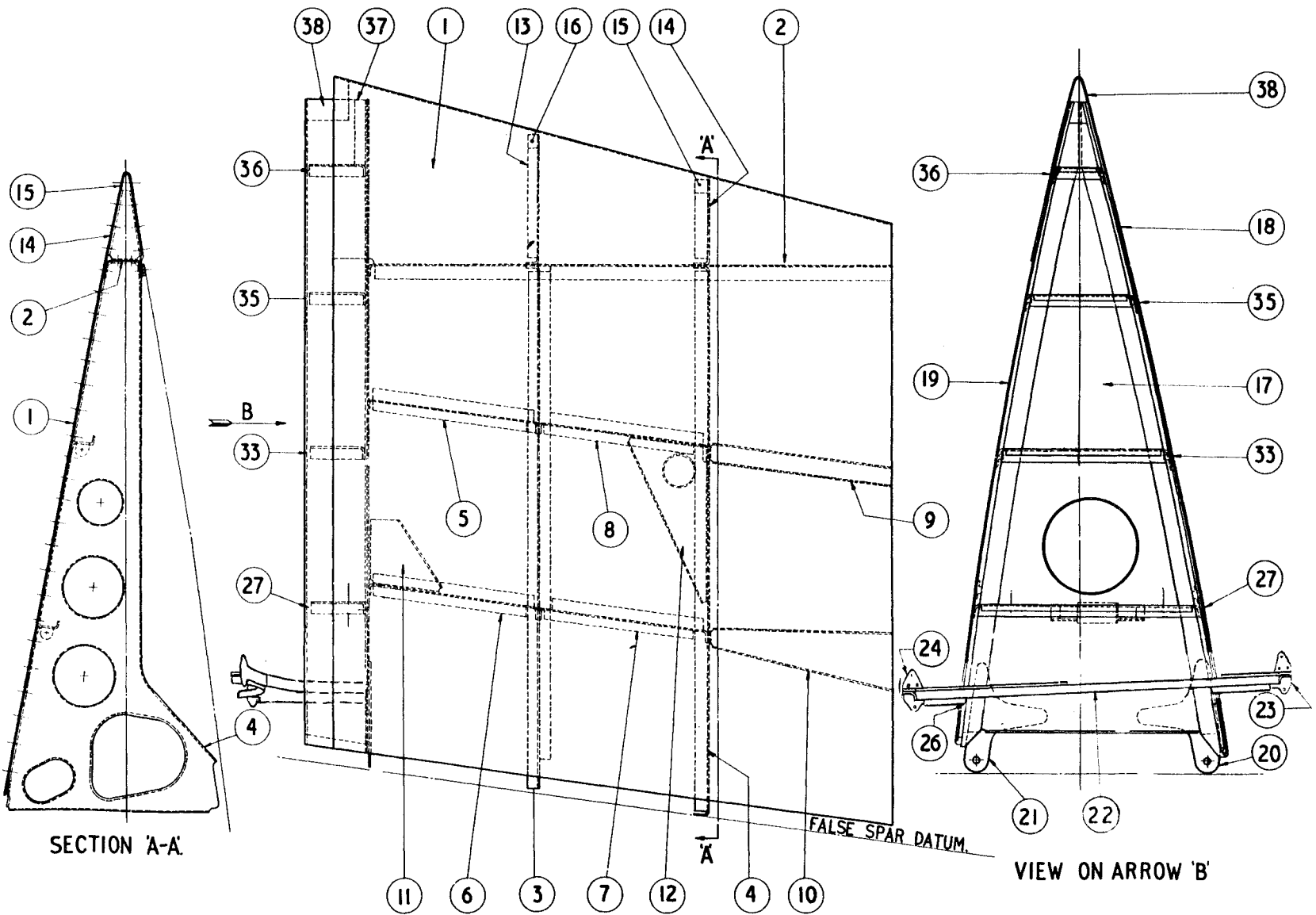
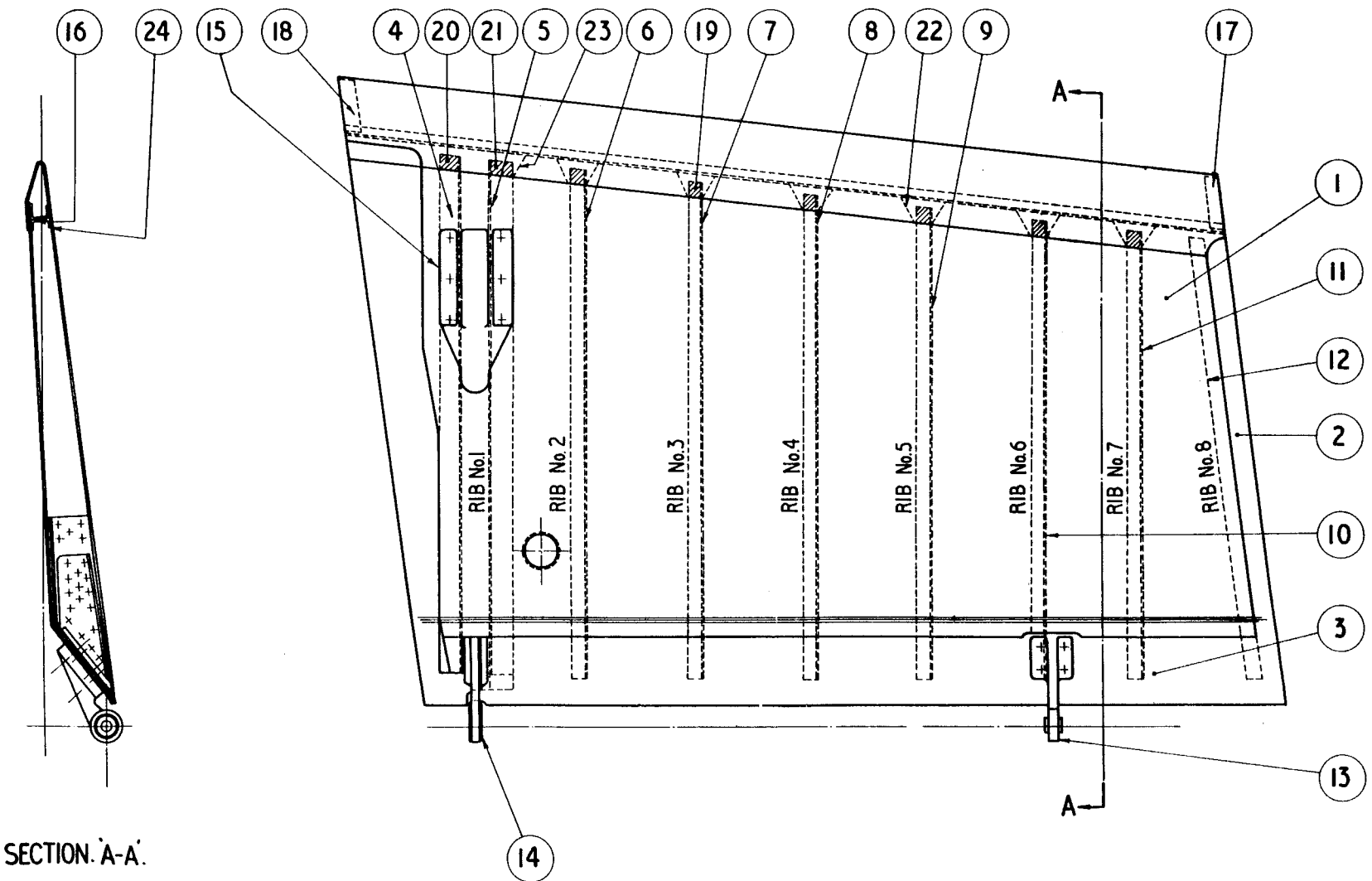


FIG. 6/37.

INBOARD FLAP SHROUD

FIG. 6/37.



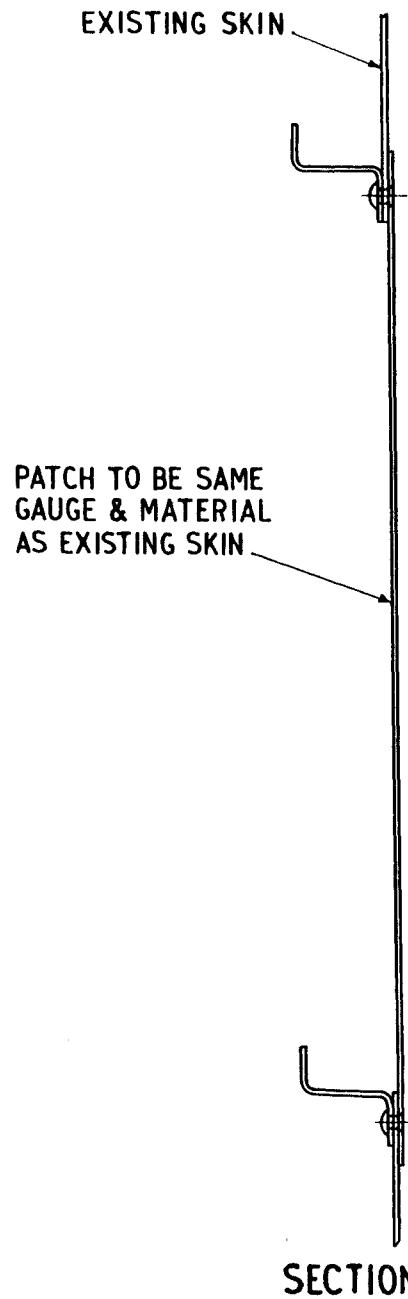
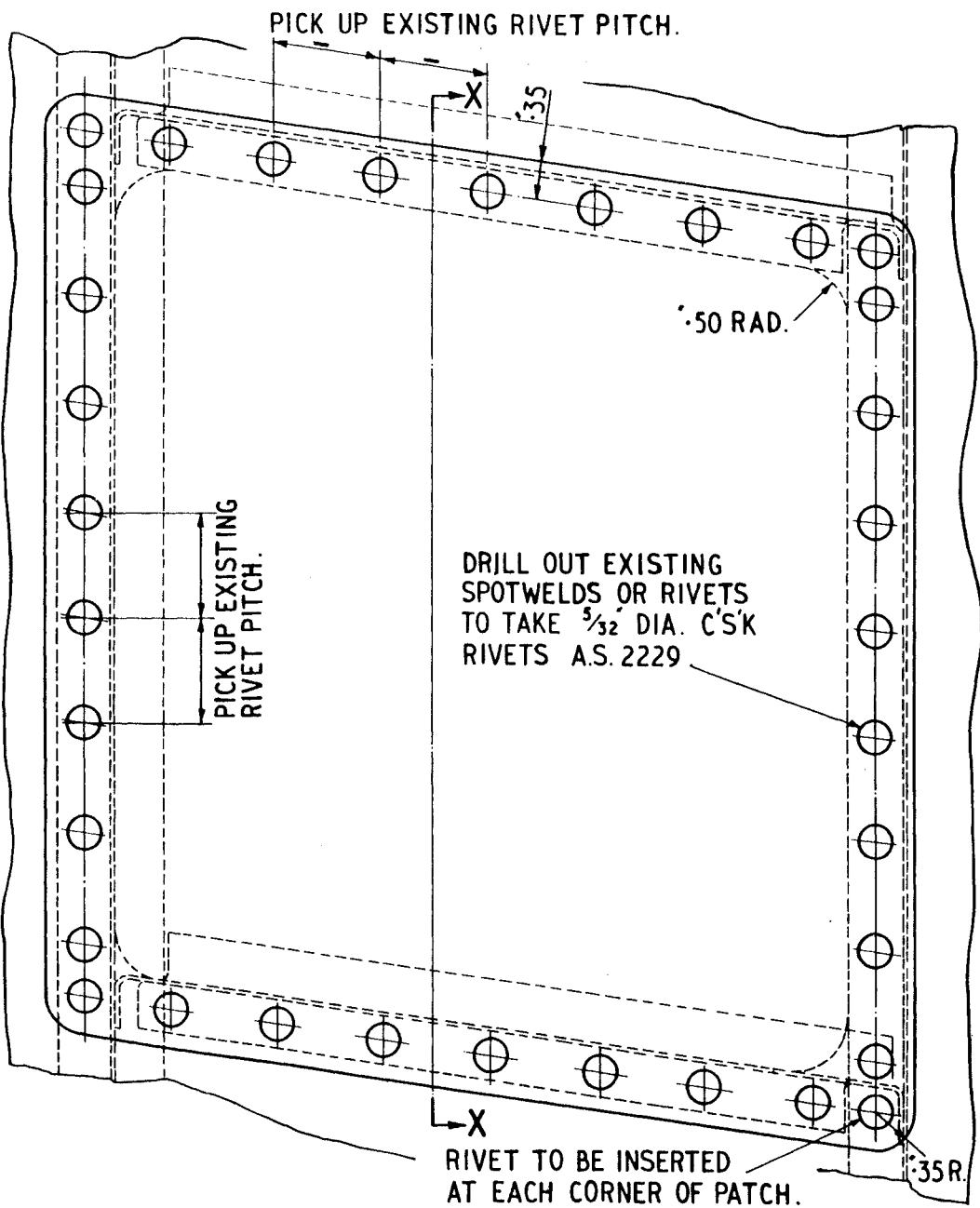
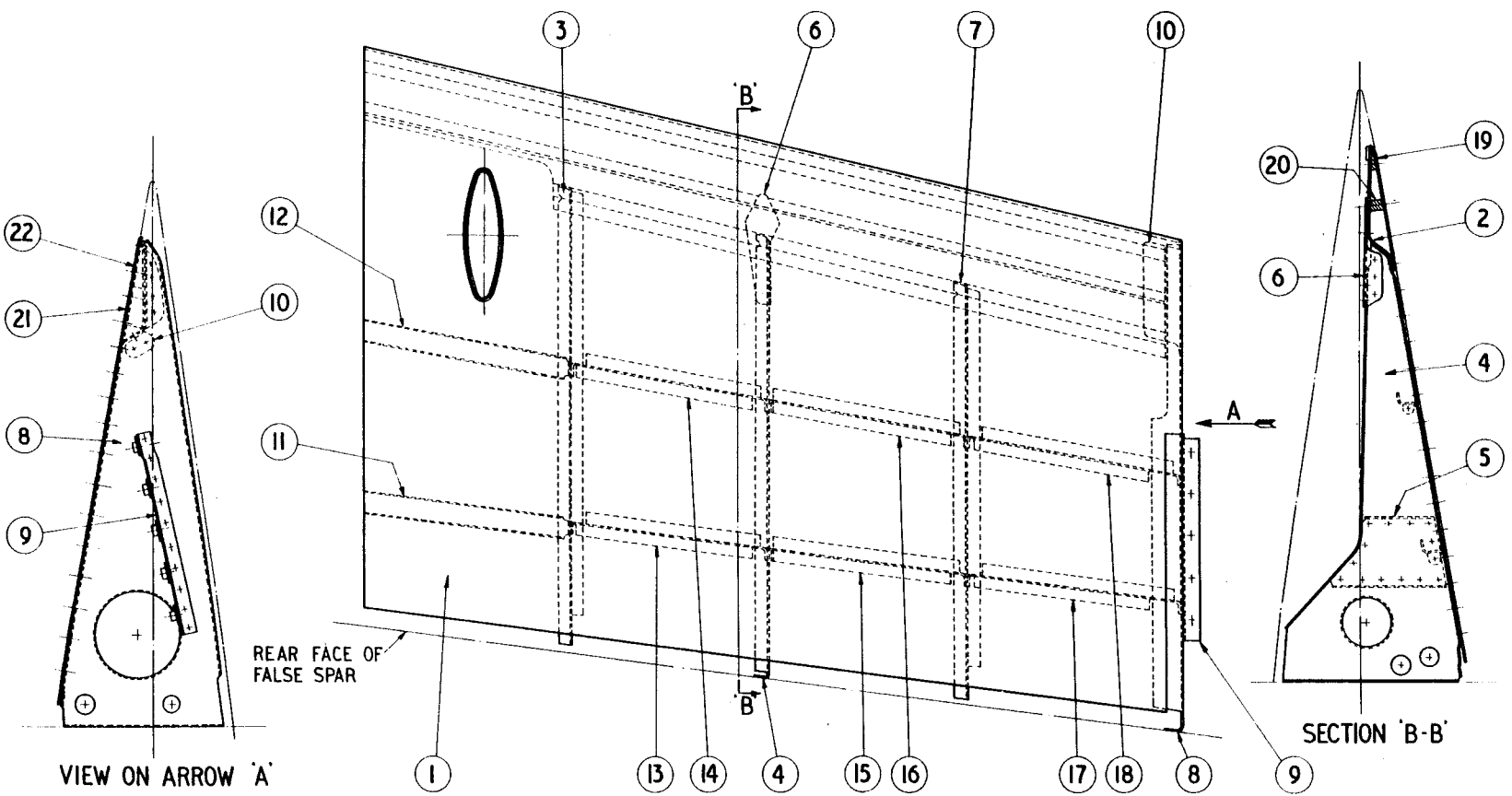


FIG. 6/39 PATCH REPAIR TO FLAP SHROUD SKIN FIG. 6/39



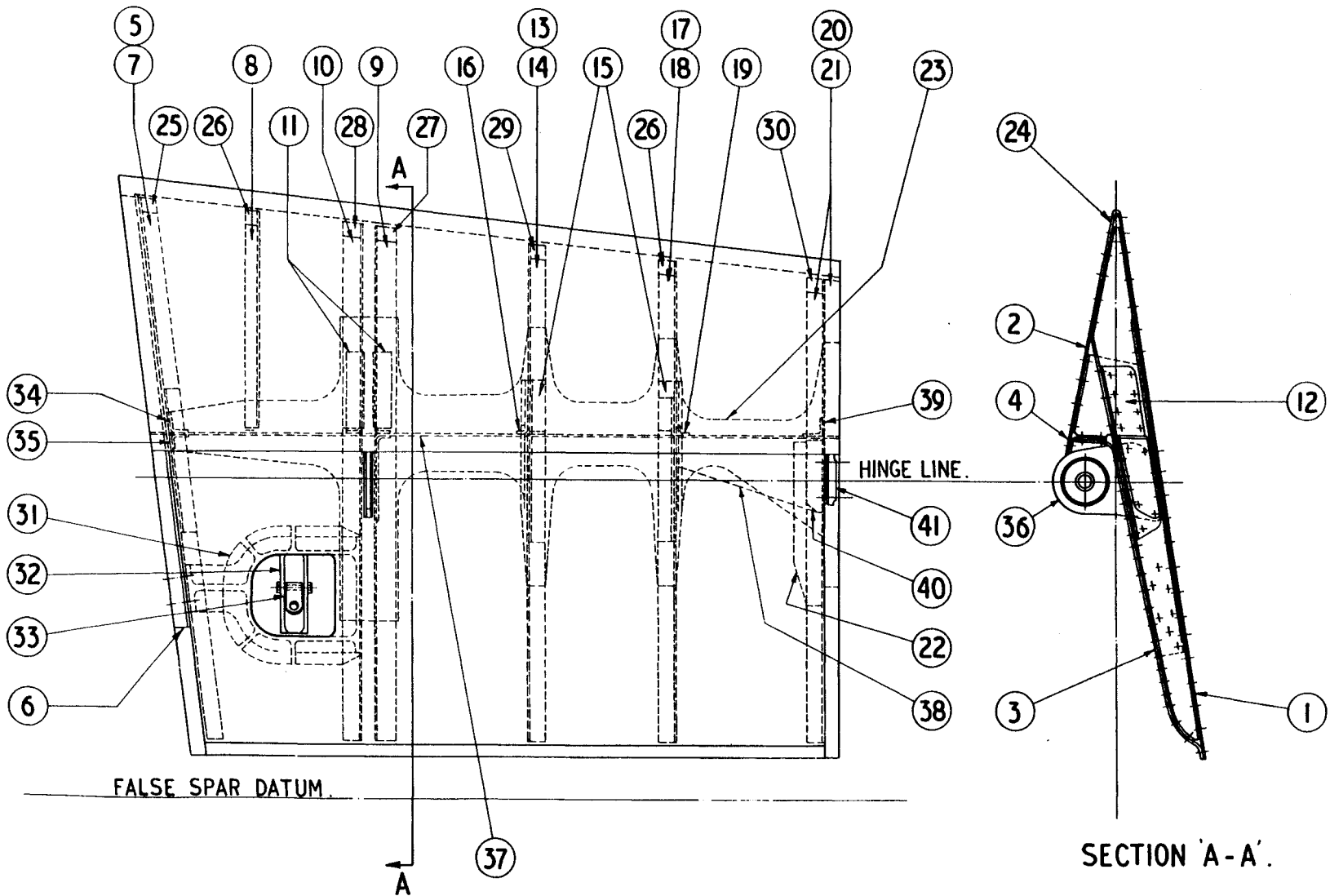


FIG. 6/41

DIVE BRAKE FLAP

FIG. 6/41

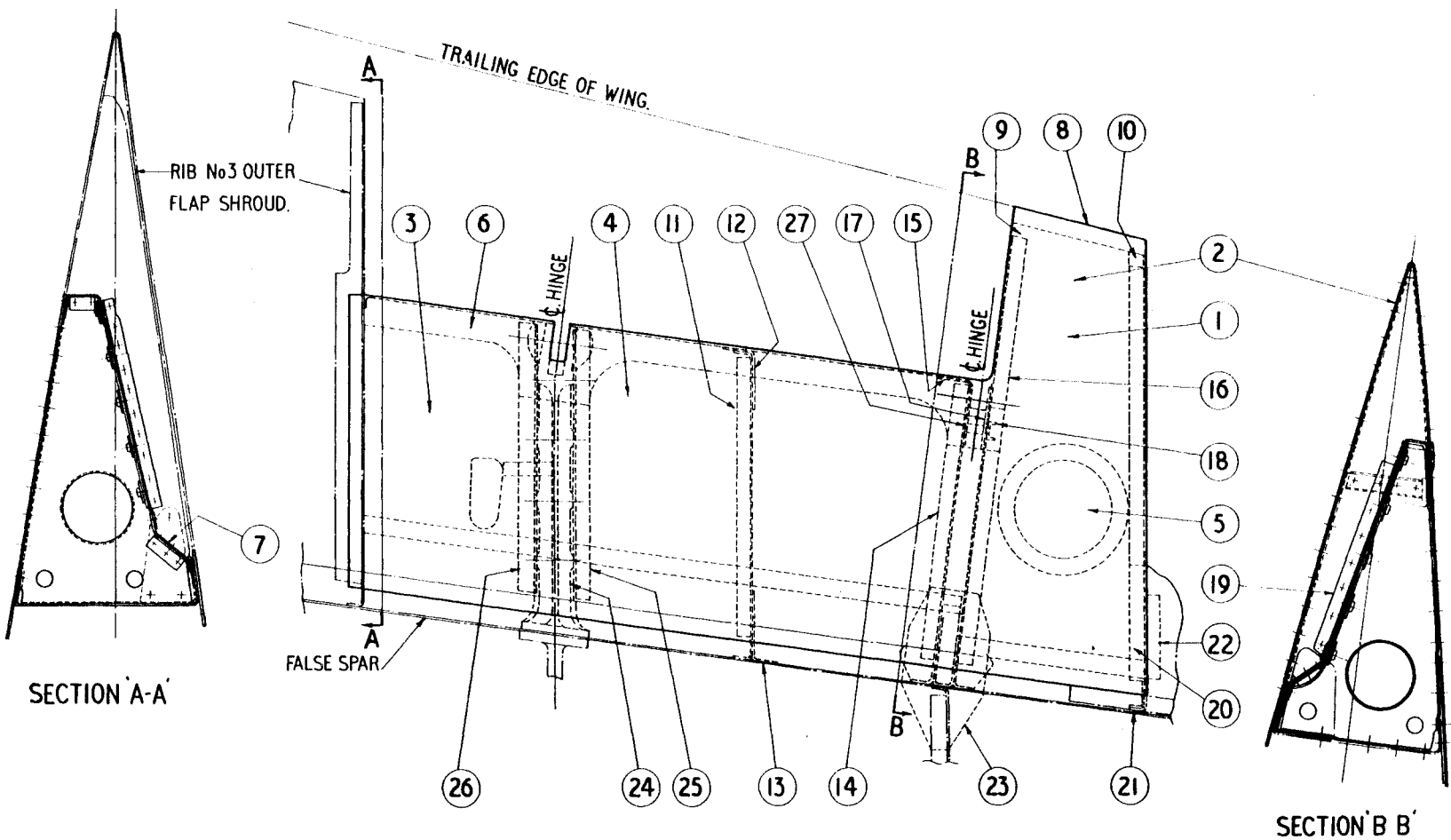


FIG. 6/42

DIVE BRAKE FLAP SHROUD

FIG. 6/42

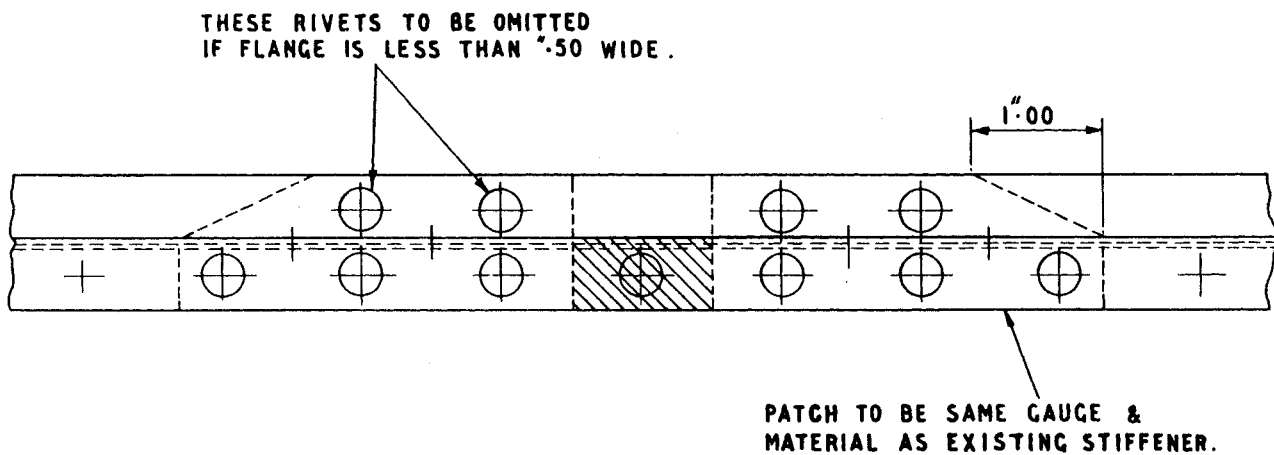
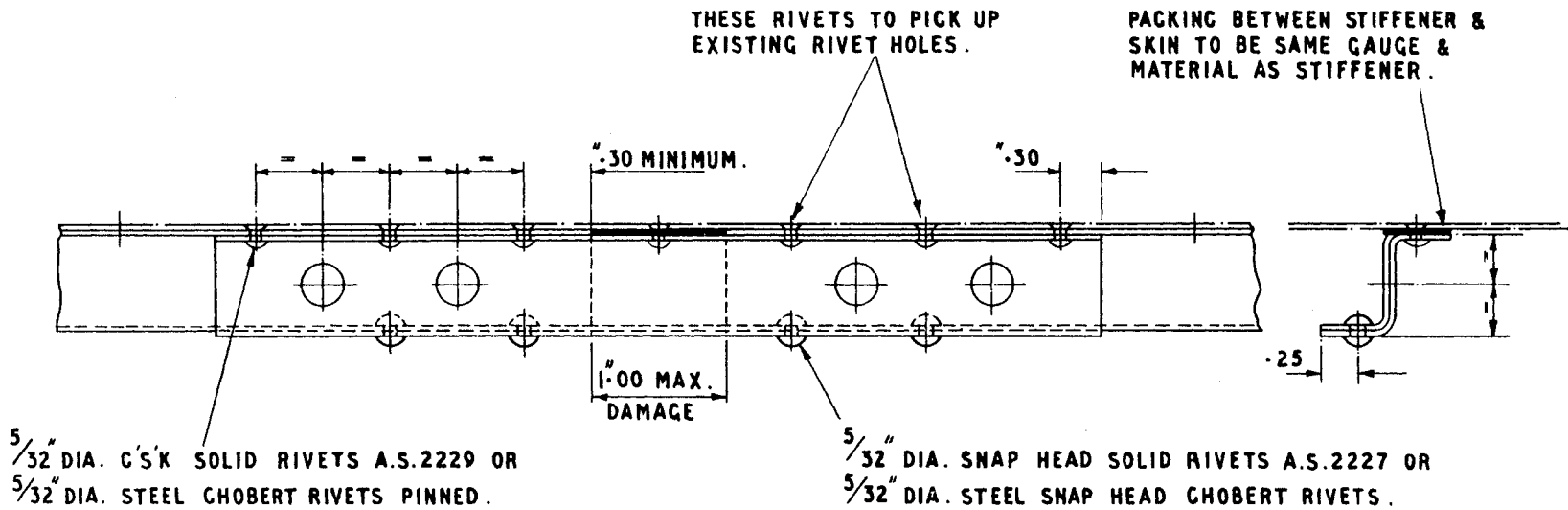


FIG. 6/43

REPAIR TO STIFFENER IN FLAP
SHROUDS & AILERON

FIG. 6/43

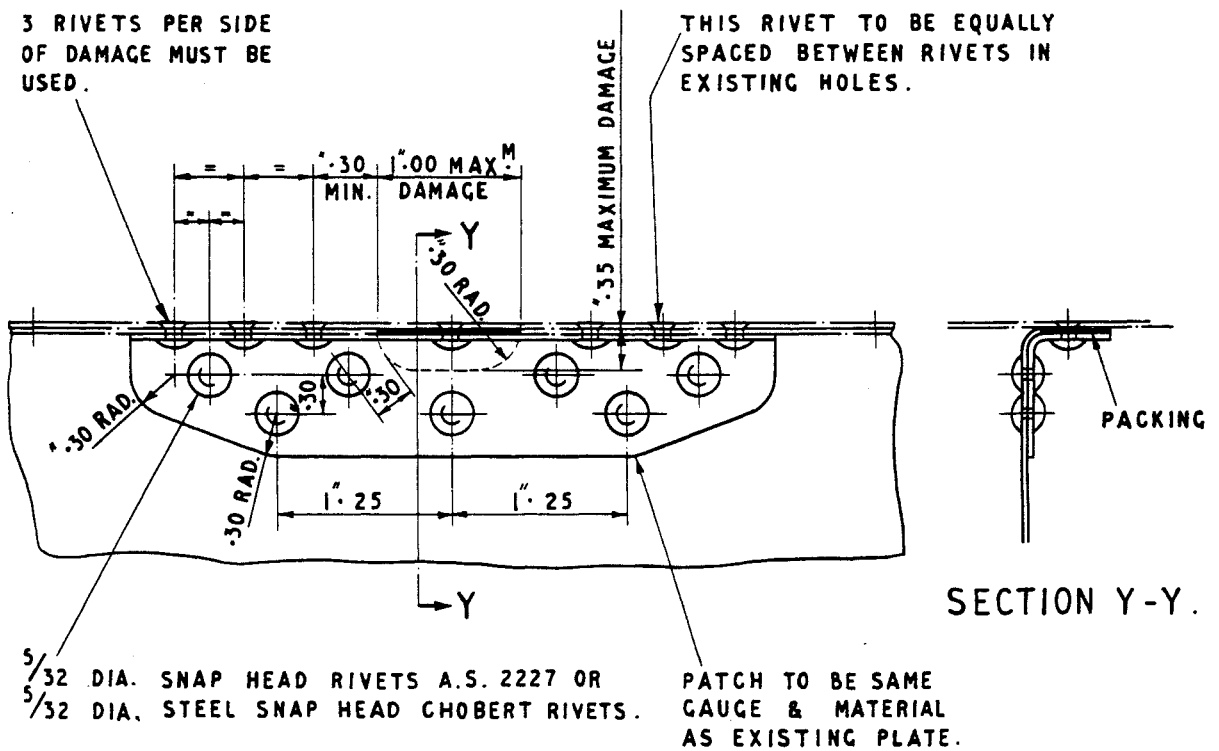
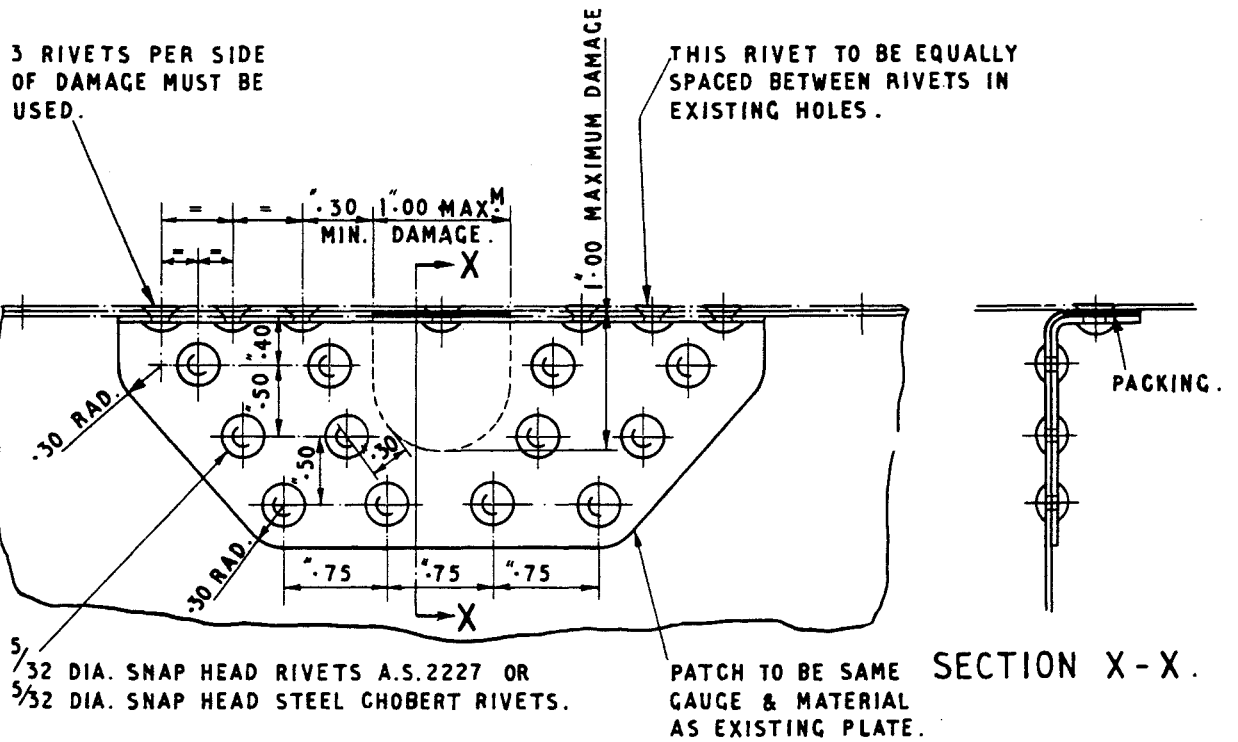


FIG. 6/44

STANDARD FLANGE REPAIRS

FIG. 6/44

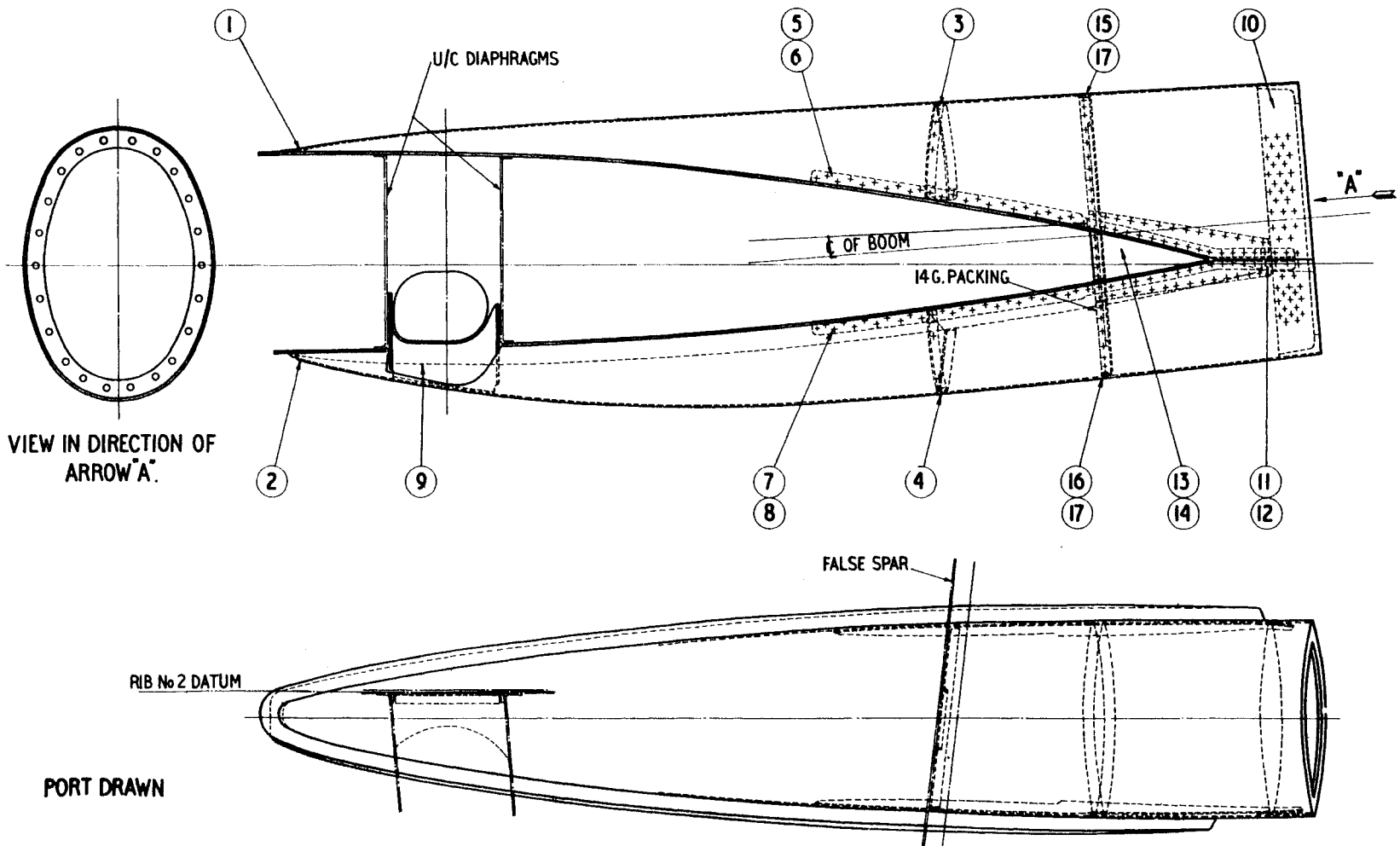


FIG. 6/45

STUB BOOM

FIG. 6/45

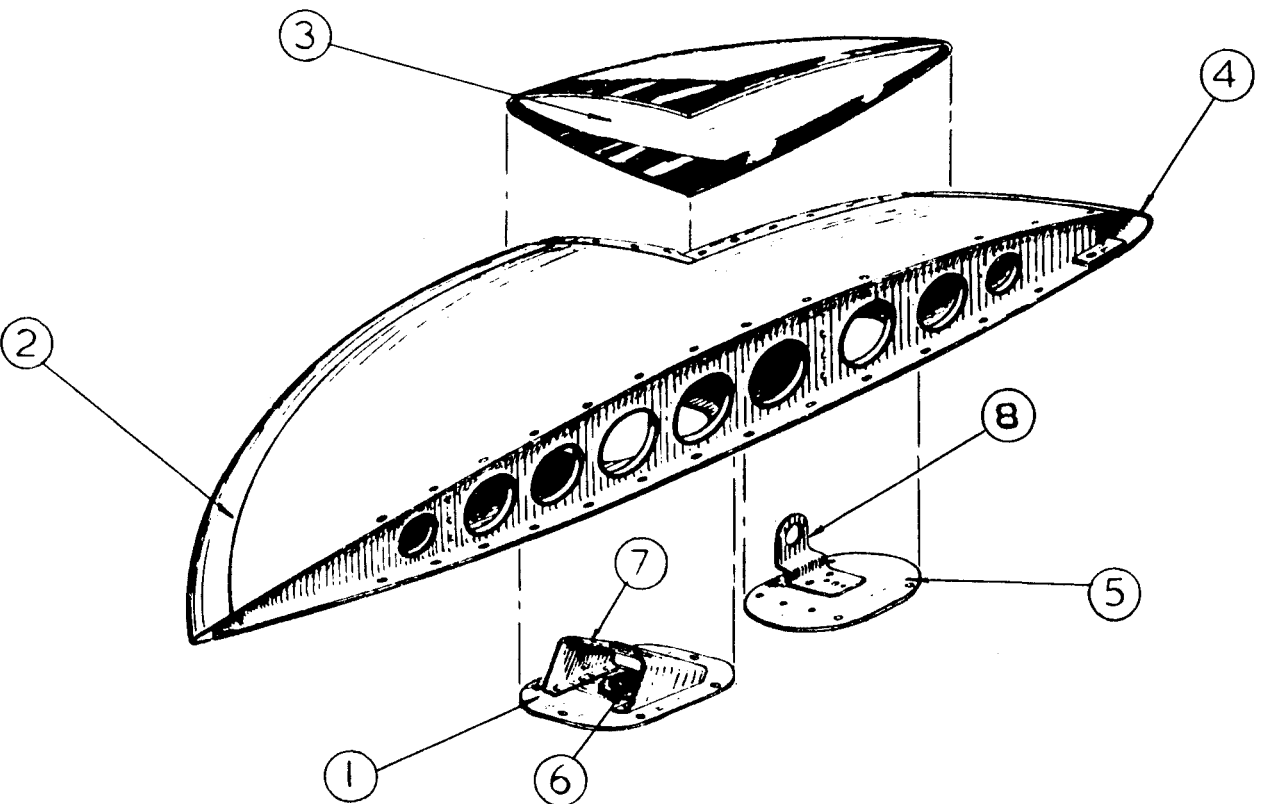


FIG. 6/46

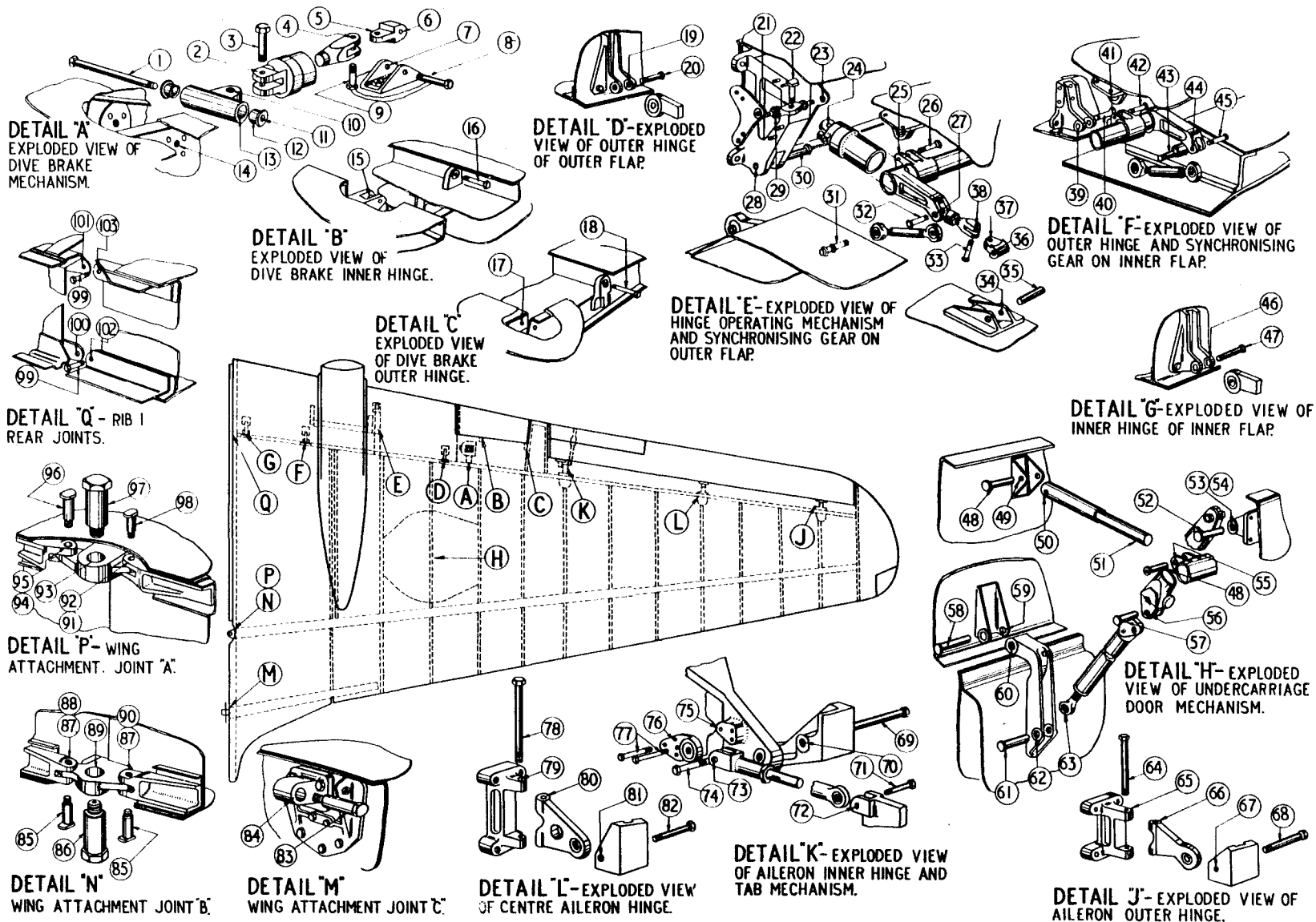
WING - TIP

FIG. 6/46

FIG. 6/47

EXPLODED VIEWS OF WING
ATTACHMENTS & FITTINGS

FIG. 6/47



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