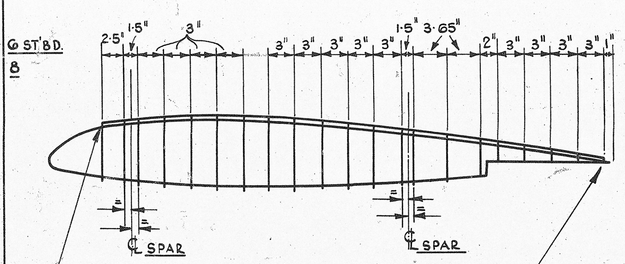
DO NOT SCALE DRAWING
ENGLISH PROJECTION IS USED UNLESS OTHERWISE STATED
TOLERANCES ON FRACTIONAL DIMENSIONS ARE + OR − 1/64 UNLESS OTHERWISE STATED
IF IN DOUBT ABOUT THIS DRAWING, RING DRAWING OFFICE BEFORE COMMENCING OPERATIONS

THE RIB STRINGING DIAGRAMS BELOW ARE FOR RIBS & NOSE RIBS

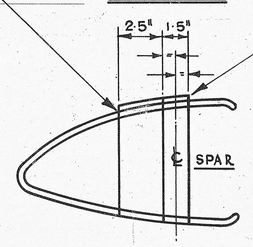
This drawing is provided in accordance with original Auster/Beagle applicability for use with the initial enquirers' aircraft ONLY.
CORRECT APPLICATION TO THE AIRCRAFT IS THE RESPONSIBILITY OF THE ENQUIRER AND HIS ENGINEER AND NOT OF "AUSTER SPARES" OR LEICESTERSHIRE MUSEUMS.
Its supply does not confer any right to produce and trade in any of the components. Enquiries for these should be sent to:-
"Auster Spares", Carr Farm, Thorney, Newark, Notts., NG23 7DQ, England
Tel: 01 52 778817
Email: bakerdaveaa@gmail.com
cm

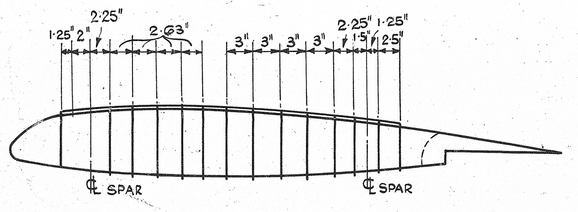
RIB No.
1 No STRINGING REQD ON THIS RIB
3, 4 & 5 AFT OF REAR SPAR AS RIB 8

6 ST'BD.
8


FINISH WITH KNOT SHOWN AT DETAIL J

START WITH KNOT SHOWN AT DETAIL I

7 ST'BD
9


10 SAME AS No. 8 RIB.
11 SAME AS No. 9 RIB.
12


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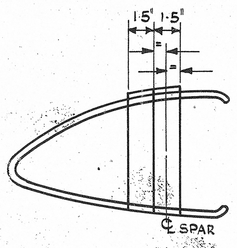

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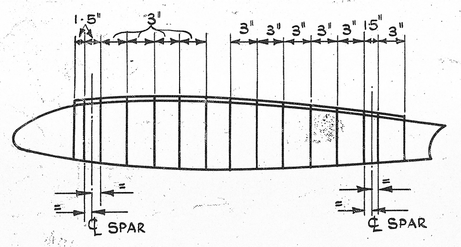

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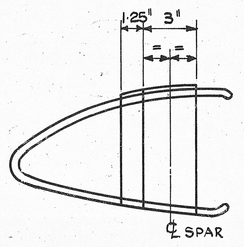

RIB No.
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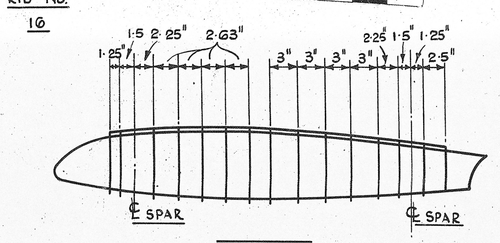

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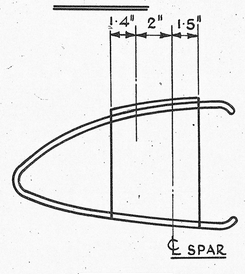
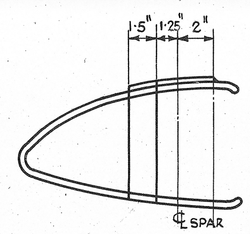


18 SAME AS No 14 RIB
19 SAME AS No. 14 RIB
20 SAME AS No. 13 RIB
21 SAME AS No. 14 RIB

22


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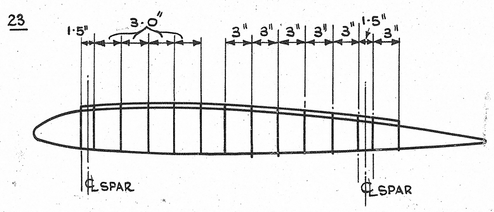

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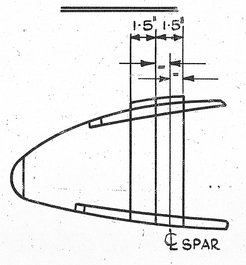

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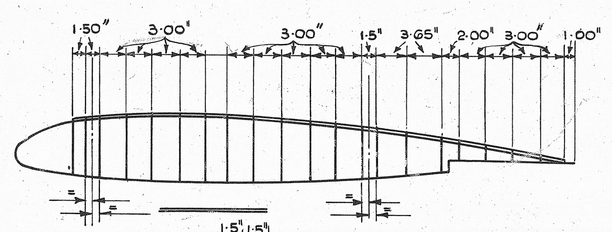
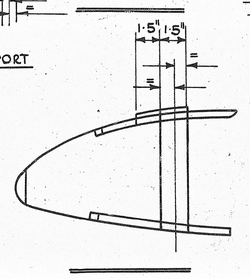
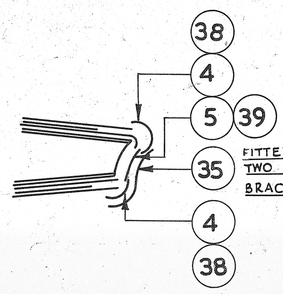


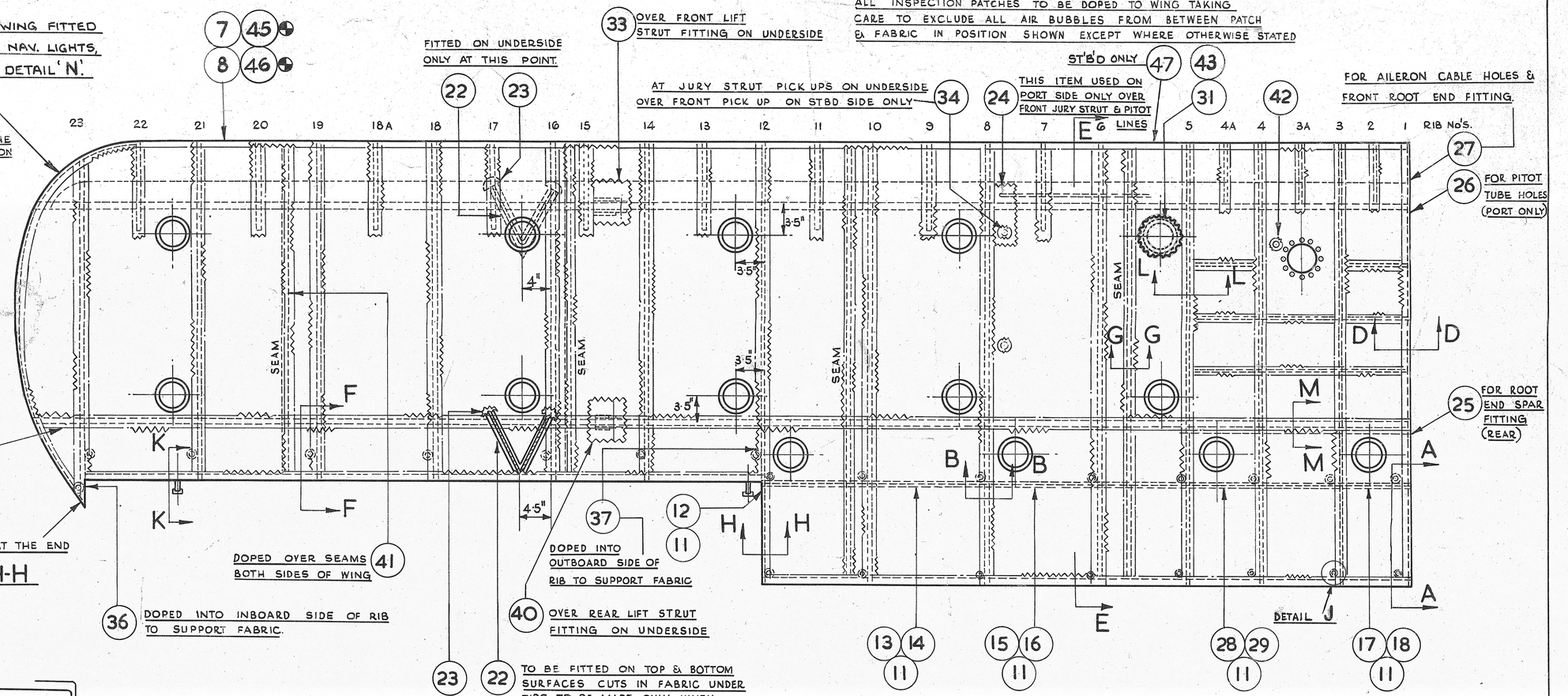
7 PORT




FITTED ROUND THE TWO END AILERON BRACETS

DIAGRAMMATIC SECTION K-K

FOR WING FITTED WITH NAV. LIGHTS, SEE DETAIL 'N'



FOR AILERON CABLE HOLES & FRONT ROOT END FITTING.
FOR PITOT TUBE HOLES (PORT ONLY)
FOR ROOT END SPAR FITTING (REAR)
ST'BD ONLY
THIS ITEM USED ON PORT SIDE ONLY OVER FRONT JURY STRUT & PITOT LINES
AT JURY STRUT PICK UPS ON UNDERSIDE OVER FRONT PICK UP ON ST'BD SIDE ONLY
FITTED ON UNDERSIDE ONLY AT THIS POINT.
OVER FRONT LIFT STRUT FITTING ON UNDERSIDE

ALL INSPECTION PATCHES TO BE DOPED TO WING TAKING CARE TO EXCLUDE ALL AIR BUBBLES FROM BETWEEN PATCH & FABRIC IN POSITION SHOWN EXCEPT WHERE OTHERWISE STATED

DOPED OVER FABRIC ON BOTH SIDES OF WING.

FOR COVERING AT THE END OF THIS RIB SEE SECTION H-H

DOPED OVER SEAMS BOTH SIDES OF WING

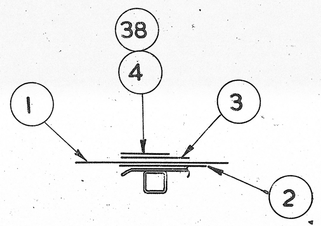
DOPED INTO OUTBOARD SIDE OF RIB TO SUPPORT FABRIC

DOPED INTO INBOARD SIDE OF RIB TO SUPPORT FABRIC.

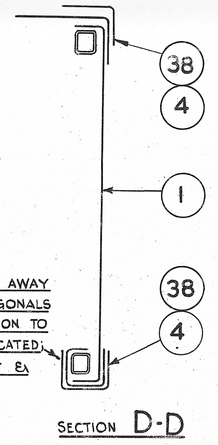
OVER REAR LIFT STRUT FITTING ON UNDERSIDE

TO BE FITTED ON TOP & BOTTOM SURFACES CUTS IN FABRIC UNDER ZIPS TO BE MADE ONLY WHEN DOPE HAS THOROUGHLY SET.

DETAIL J

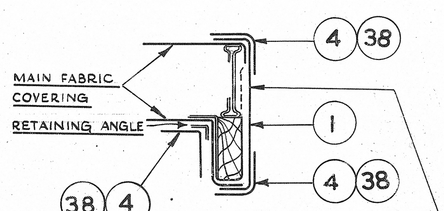


SECTION THRO' TOP BOOM

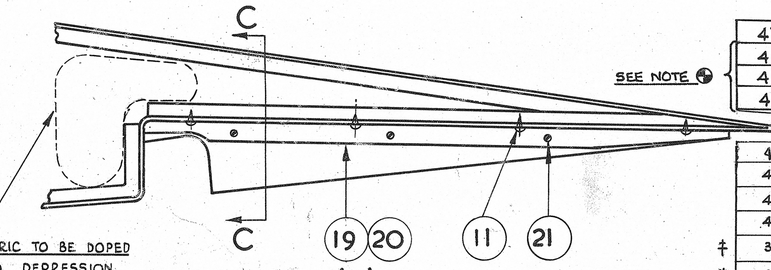


FABRIC IS CUT AWAY ROUND RIB DIAGONALS & DOPED DOWN ON TO BOOMS AS INDICATED BETWEEN FRONT & REAR SPARS.

SECTION D-D

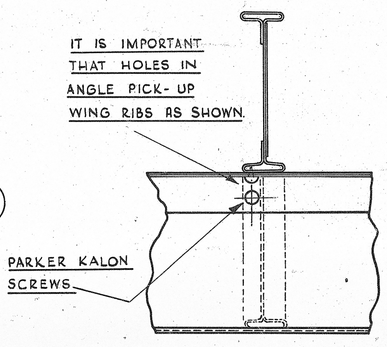


SECTION CC SHOWING COVERING



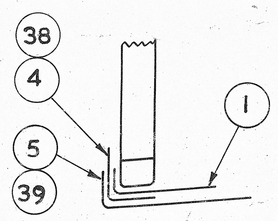
SEE NOTE 7
FABRIC TO BE DOPED INTO DEPRESSION AT ROOT END.
SECTION AA COVERING NOT SHOWN.

47	JA 81590	INST. GENERATOR GAP COVER.	AJH 417	1 - RH	
46	JA 81136/R	WING FRAME ASSY. NIGHT FLYING	EJH 143	1 - RH	
45	JA 81136/NF	WING FRAME ASSY. NIGHT FLYING	EJH 143	1 - LH	
44	J 80747	PATCH - WING TIP LAMP	AJH 87	1 - RH 1 - LH	
43	J 81539	PATCH	AJH 415.	12 - RH 12 - LH.	
42	J16268	PATCH	AJA 2174	1 - L.H 1 - R.H	
41		1½ SERRATED TAPE	D.T.D. 540 575 OR 407	AS REQD	
40	J82124	PATCH (REAR)	AJH 694	1 - R.H.	
‡ 39		4" SERRATED TAPE	D.T.D. 540 OR DTD 574	AS REQD	
* 38		2" SERRATED TAPE	D.T.D. 540 OR DTD 574	AS REQD	
37	J 80390	REINFORCEMENT	AJH. 37	1 - OFF L.H 1 - OFF R.H	
36	J 80389	REINFORCEMENT	AJH. 36	1 OFF L.H 1 OFF R.H.	
35	J 50260	PATCH	AJE 45	2 - L.H 2 - R.H	
34	J 16880	PATCH	AJA 2398	1 - L.H. 2 - R.H.	
33	J 82123	PATCH (FRONT)	AJH 693	1 - L.H 1 - R.H.	
32	J 80723	FABRIC PATCH	AJH 81	SEE NOTE 2.	
31	A 8104	INSPECTION PATCH	ADH 110	14 - L.H. 14 - R.H 22 - L.H. 22 - R.H.	
30	AGS 840	DRAIN EYELET			
29	E 80179/R	FABRIC RETAINING ANGLE	CEH 160/R	1 - R.H.	
28	E 80179/L	FABRIC RETAINING ANGLE	CEH. 160/L	1 - L.H.	
27	JA 80720	PATCH	AJH. 78	1 - L.H. 1 - R.H.	
26	J 11826	FABRIC PATCH	AJA 352	1 - L.H.	
25	J 80702	FABRIC PATCH	AJH 77	1 - L.H. 1 - R.H.	
24	J 82122	PATCH	AJH 692	1 - L.H.	
23	E 10874	PATCH	AEA 205	G - L.H. G - R.H.	
22	EA 10213	INSPECTION PANEL	DEA 29	3 - R.H. 3 - L.H.	
21	AGS 252/1	WOODSCREWS		3 - R.H. 3 - L.H.	
20	E 80166/R	FABRIC RETAINING ANGLE	AEH 100/R	1 - R.H.	
19	E 80165/L	FABRIC RETAINING ANGLE	AEH 100/L	1 - L.H.	
18	E 80289/R	FABRIC RETAINING ANGLE	AEH 161/R	1 - R.H.	
17	E 80289/L	FABRIC RETAINING ANGLE	AEH 161/L	1 - L.H.	
16	E 80178/R	FABRIC RETAINING ANGLE	CEH 159/R	1 - R.H.	
15	E 80178/L	FABRIC RETAINING ANGLE	CEH 159/L	1 - L.H.	
14	E 80177/R	FABRIC RETAINING ANGLE	CEH 158/R	1 - R.H.	
13	E 80177/L	FABRIC RETAINING ANGLE	CEH 158/L	1 - L.H.	
12	E 80176	FABRIC RETAINING ANGLE	AEH 157.	1 - L.H. 1 - R.H.	
11	TYPE Z HEAD M	PARKER KALON SCREWS No. 4 x ⅛" LG.		54 - L.H. 54 - R.H.	
10					
9	A 8028	DRAIN EYELET	AGH 138	22 - L.H. 22 - R.H.	
⊕ 8	JA 81136/R	WING FRAME ASSY.	EJH 143	1 - R.H.	
⊕ 7	JA 81136/L	WING FRAME ASSY.	EJH 143	1 - L.H.	
6		No. 1 BRAIDED CORD	BSS 35/2	AS REQD	
‡ 5		4" SERRATED TAPE	DTD 407	AS REQD	
* 4		2" SERRATED TAPE	DTD 407	AS REQD	
3		TAPE	DTD 773	AS REQD.	
2		CELLOPHANE TAPE		AS REQD	
1		FABRIC	DTD. 675	AS REQD.	

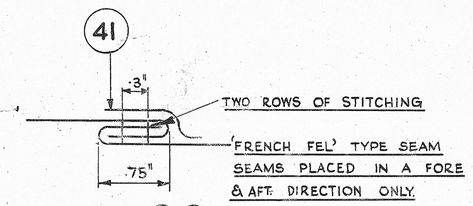


TO BE DOPED ON AFTER STRINGING WHICH GOES THROUGH CELLO TAPE, FABRIC & TAPE ITEM 3 HAS BEEN DONE.
TO TERMINATE WITH LAST KNOTS AT EACH END OF RIB
DIAGRAMMATIC SECTION E E

IT IS IMPORTANT THAT HOLES IN ANGLE PICK-UP WING RIBS AS SHOWN
PARKER KALON SCREWS.
SECTION B B

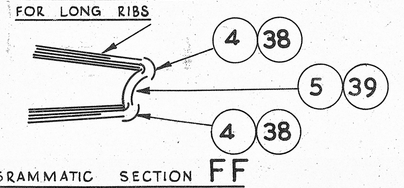


SECTION M M (BETWEEN RIBS 1 & 5)
FRONT SPAR SIMILAR

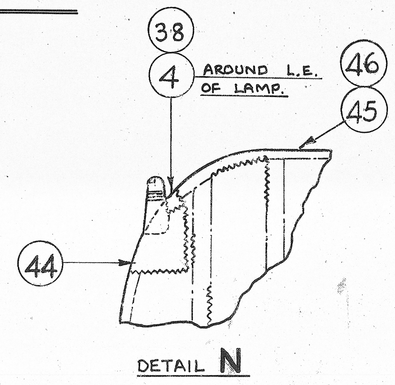


TWO ROWS OF STITCHING
'FRENCH FEL' TYPE SEAM SEAMS PLACED IN A FORE & AFT. DIRECTION ONLY.
SECTION G G

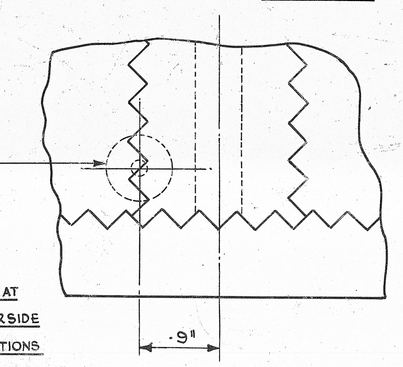
REST OF COVERING FOR SHORT RIBS SAME AS FOR LONG RIBS



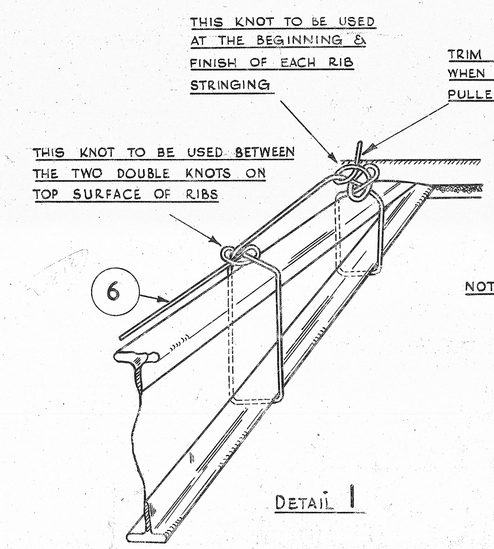
DIAGRAMMATIC SECTION F F



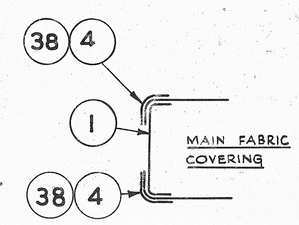
DETAIL N



TO BE DOPED ON AT EACH RIB ON UNDERSIDE OF MAINPLANE IN POSITIONS SHOWN ON WING DRG. ABOVE
DETAIL J



DETAIL I



Section H-H

NOTE!
RIB STRINGINGS START AT TRAILING END OF RIBS & WORK FORWARD. WHERE CORD IS LOOPED AROUND THE TOP BOOM OF A RIB ONLY, AS ON THE FRONT OF RIBS 12 & 17, 6 TURNS OF CELLOPHANE TAPE ARE TO BE PUT ROUND BOOM.

GENERAL NOTES

1. FABRIC TAPES & PATCHES ETC. TO BE WELL DOPED TO WING FRAME &/OR TOGETHER WITH CLEAR DOPE.
2. FOR NORMAL PRODUCTION, FABRIC INSIDE PATCHES ITEM 31 IS NOT TO BE CUT; BUT WHEN IT BECOMES NECESSARY TO INSPECT THE FRAME A HOLE COINCIDING WITH INSIDE OF THE INSPECTION PATCH IS TO BE CUT & RECOVERED WITH PATCH ITEM 32., DOPE CENTRALLY OVER HOLE AFTER INSPECTION.
3. ITEM 2 IS TO BE USED TO COVER RIBS & NOSE RIBS & PARKER KALON SCREWS, BUT NOT OVER SCREWS SECURING AILERON GAP SHROUDS.
4. ALL CORD USED FOR STRINGING TO BE BEESWAXED.
5. ITEMS 9 & 30 ARE ALTERNATIVES.
6. No. 42 DRILL HOLES TO BE USED FOR PK SCREWS.
7. ITEMS 4 & 38 ARE ALTERNATIVE & ITEMS 5 & 39 ARE ALTERNATIVE.
8. FABRIC TO BE CLEAR DOPED TO SKIN AT ROOT END.

H	CIVIL AMEND	3868			
G	CIVIL AMD	3142.			
F	CIVIL AMEND	2664			
E	CIVIL AMEND	2610			
D	CIVIL AMEND	2513			
C	RE-	DRAWN			
B		1803			
A	CIVIL MOD	1751			
ISSUE	MOD. No.	INTERNAL MOD. No.	INTER CLASS	APP	R.T.O.

TYPE:- CIVIL AIRCRAFT J5B, G, & H.

PART No. JA 81132/L DRG. No. EJH 139/L AS DESCRIBED - PORT
PART No. JA 81132/R DRG. No. EJH 139/R AS DESCRIBED - ST'BD.
⊕ PART Nº JA 81132/L/NF IS A PORT WING FITTED WITH NAV. LIGHTS & INCLUDES ITEM 44 & ITEM 45 IN LIEU OF ITEM 7.
⊕ PART Nº JA 81132/R/NF IS A ST'BD WING FITTED WITH NAV. LIGHTS & INCLUDES ITEM 44 & ITEM 46 IN LIEU OF ITEM 8.

PROTECTIVE TREATMENT	ASSY. Nos	EJH 140			
	NK 8817 3246				
SCALE:-		ITEM No.	PART No.	DESCRIPTION	MATL. OR DRG. No.
DRAWN W.J.K.	CHECKED	TRACED M.D.H.	TRACING CHKD.		
AUSTER AIRCRAFT LIMITED. LEICESTER	STRESS APP. K.B.A.	PART No. JA 81132 L/R			
TITLE:- FABRIC COVERING - WING.	DESIGN APP. R.E.B.	DRG No. EJH 139			
	APP'D R.T.O.				