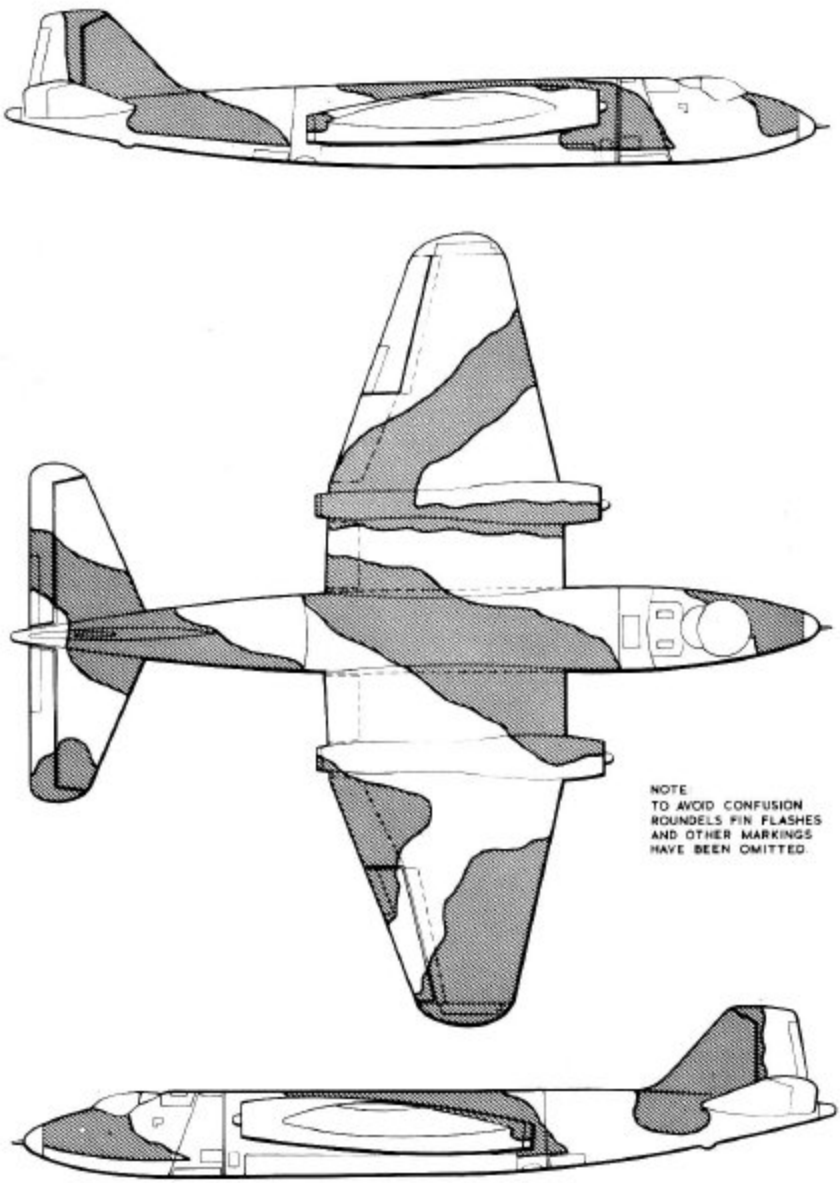


THIS DIAGRAM ILLUSTRATES THE DISRUPTIVE PATTERN ONLY AND DOES NOT ILLUSTRATE PRECISELY THE RELATION BETWEEN UPPER AND UNDER SURFACES

Fig.2 - Twin-engined aircraft

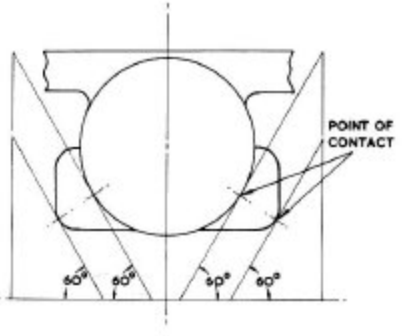


Fig.5 - Boundary template for marking Pattern No,1

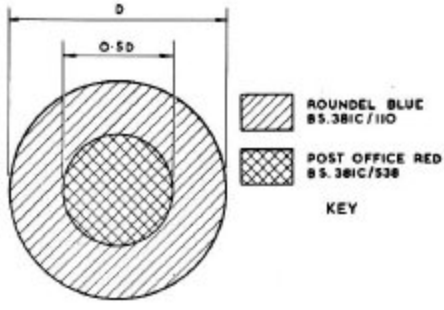


Fig.7 National markings - ◀roundels (camouflaged aircraft)▶

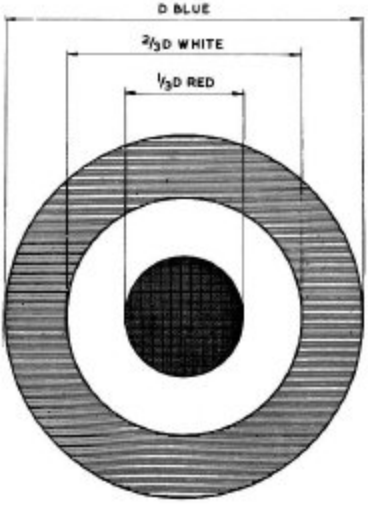
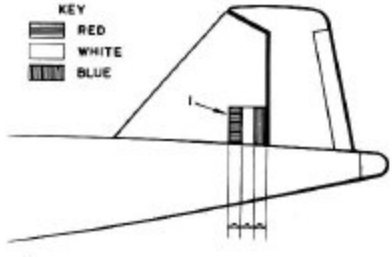


Fig.6 - National markings - roundels (standard)



◀ Standard marking to be used on all, except camouflaged, aircraft. The base of the marking is to be either the top of the tail plane or the continuation of the top fuselage line whichever gives the better vertical surface. The rear edge of the marking is to coincide with the rear edge of the fin. When the arrangement shown is not possible, the centre line of the fin should coincide with the centre line of the white stripe. On camouflaged aircraft, use red and blue stripes, only. ▶

TYPE OF AIRCRAFT	WIDTH OF FLASH (IN.)	HEIGHT OF FLASH (IN.)
SMALL	18	24
MEDIUM	24	24
LARGE	36	24

Fig.8 - National markings - tail fin markings.

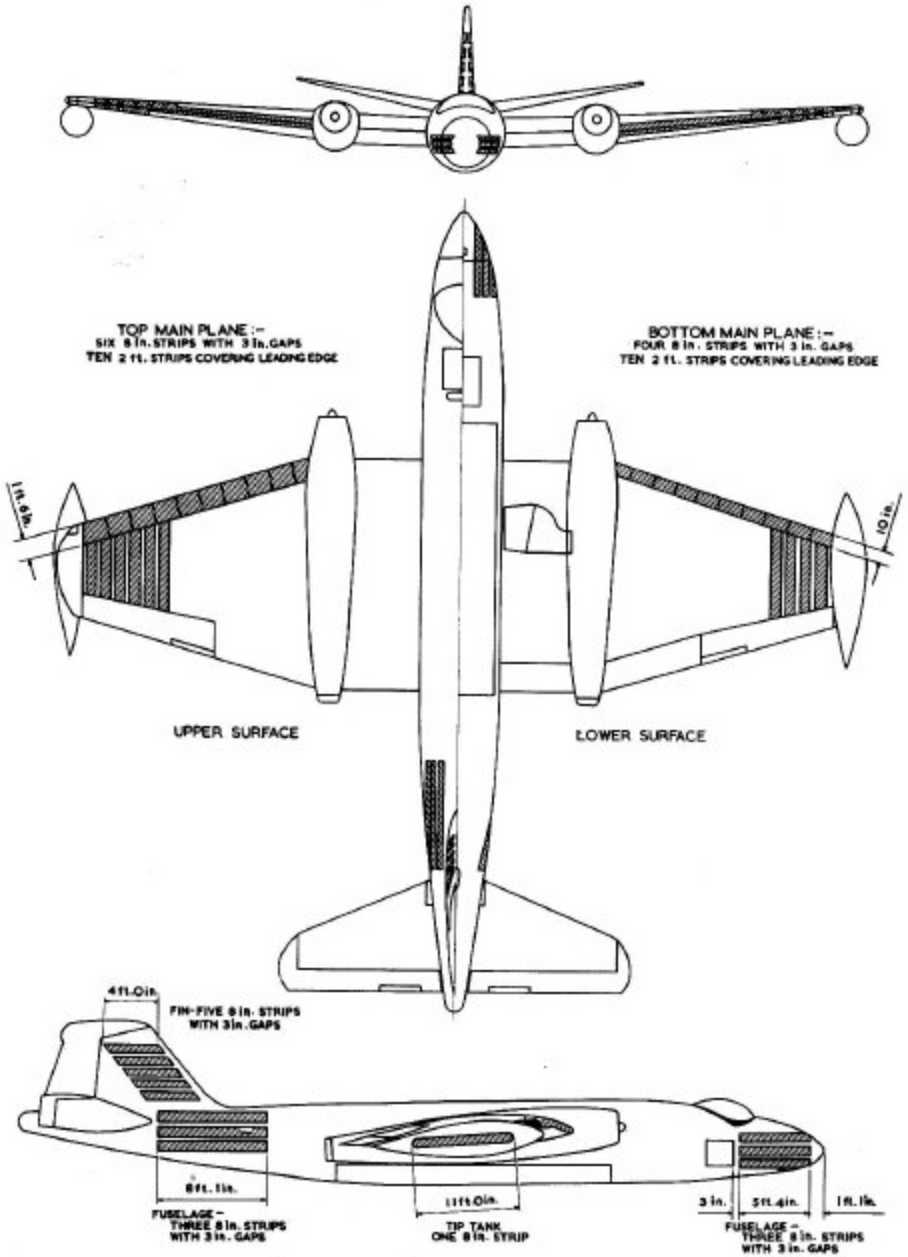


Fig.16. Canberra T.Mk.4

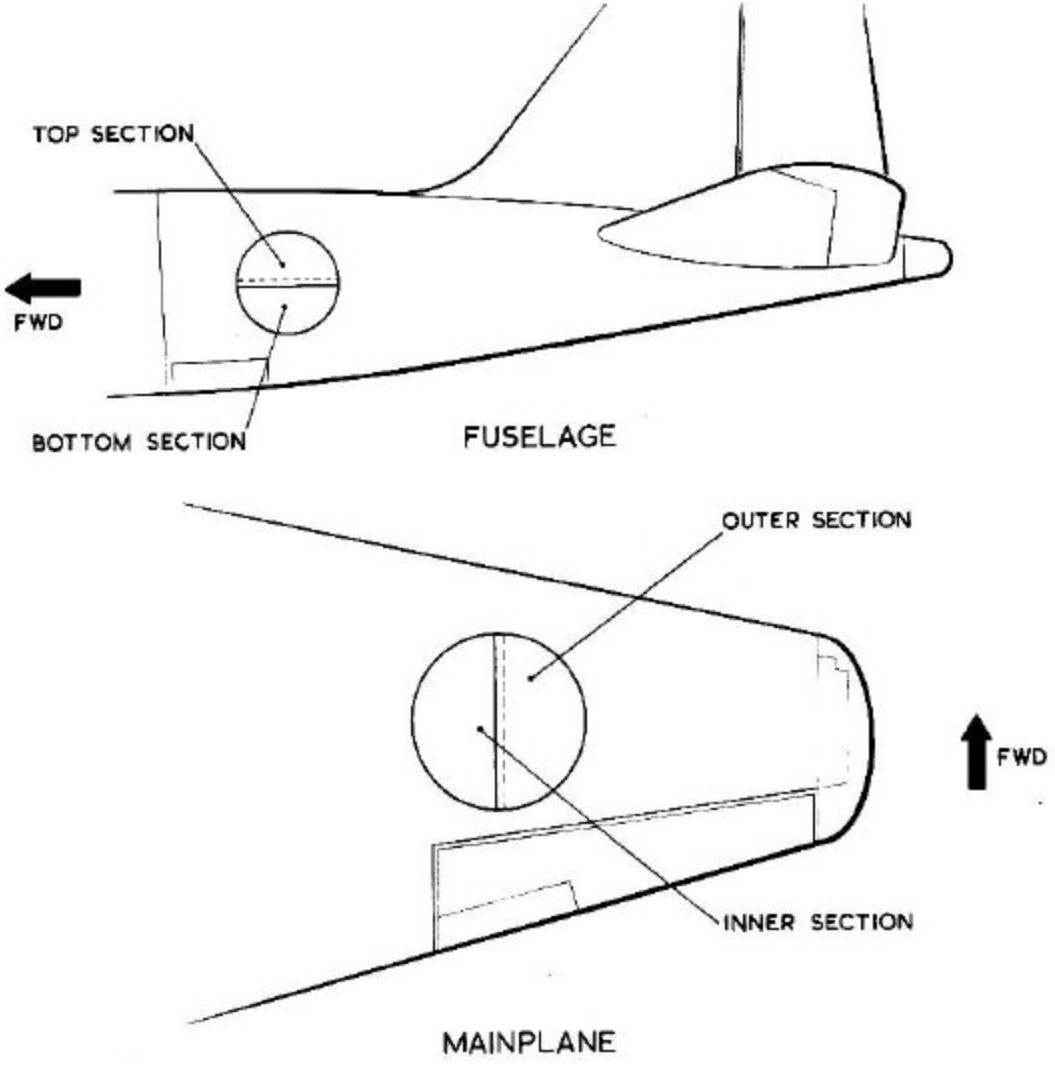


Fig. 2. Two-piece roundels

TABLE 1

R.A.F. COLOUR SCHEMES

AIRCRAFT TYPE	UPPER SURFACES (1)	LOWER SURFACES (2)	MAIN PLANE AND FUSELAGE ROUNDELS AND FIN FLASHES	SERIAL NUMBERS AND IDENTIFICATION LETTERS	SPECIAL FEATURES
BOMBER/TANKER					
Medium bombers and tankers	Disruptive pattern as shown in fig.3. ◀Shaded areas:- matt▶ medium sea grey BS381C/637 ◀Unshaded areas:- matt▶ dark green BS381C/641	◀Matt, light aircraft grey. BS381C/627.▶	Post office red, BS 381C/538 and▶◀ roundel blue BS381C/110, on upper surface of main plane, each side of fuselage and each side of fin	Black ▶◀	Tanker refuelling ◀matt, light aircra grey.▶
Light bombers	Disruptive pattern as shown in fig.2 ◀Shaded areas:- matt▶ dark sea grey BS381C/638. ◀Unshaded areas:- matt▶ dark green BS381C/641	◀Matt, light aircraft grey BS381C/627▶	Post office red, BS381C/538 and▶◀ roundel blue, BS381C/110 on upper and lower surfaces of each main plane, each side of the rear fuselage and each side of the fin	Black	
STRATEGIC RECONNAISSANCE	As for medium bombers	As for medium bombers	As for medium bombers	As for medium bombers	
MARITIME RECONNAISSANCE					
Piston engined	Gloss dark sea grey BS381C/638 except top of fuselage which is to be gloss white. On▶◀ N.E.A.F. aircraft only, this white finish is also to be applied over wing fuel tanks.	Gloss dark sea grey	◀Post office red, BS381C/538, white and roundel blue BS381C/110 on upper and lower surfaces of each main plane, each side of the fuselage and each side of the fin.▶	Post office red, edged with white	

TABLE 1 R.A.F. COLOUR SCHEMES (continued)

AIRCRAFT TYPE	UPPER SURFACES (1)	LOWER SURFACES (2)	MAIN PLANE AND FUSELAGE ROUNDELS AND FIN FLASHES	SERIAL NUMBERS AND IDENTIFICATION LETTERS	SPECIAL FEATURES
STRATEGIC TRANSPORT V.I.P. and COMMUNICATIONS	Upper surface of fuselage, fin and rudder - gloss white. Lower half of fuselage, upper and lower surfaces of main planes, tail planes and elevators - gloss, light aircraft grey BS381C/627. A band of roundel blue, BS381C/110 is to separate white and grey.		Post office red, BS381C/538 white and roundel blue BS381C/110 on upper and lower surfaces of each main plane, each side of the rear fuselage and each side of the fin.	Black	Air Support Command aircraft are to have the words ROYAL AIR FORCE, in black, on each side of the fuselage. V.I.P. aircraft may carry fluorescent markings, rank stars and service identification of the person for whom they are established
TRAINING AND TARGET (FIXED WING) Training. Not to be applied to operational aircraft used for operational training which are to be coloured according to their operational role.	Upper and lower surfaces of main planes, gloss light aircraft grey, BS381C/627, lower half of fuselage and wing fuel tanks, gloss signal red BS381C/537, fin, rudder and upper half of fuselage gloss white. Tail planes may be signal red or light aircraft grey and the spine signal red or white, all glossy. Areas adjacent to cockpit, matt black.		Post office red, white and blue, upper and lower surfaces of each main plane, each side of the fuselage and each side of the fin.	Black	Special instructions will be issued for aircraft used for official R.A.F. display teams.
Target towing	Gloss light aircraft grey BS381C/627 with fluorescent markings in accordance with A.P.119A-0601-1D,Chap.5.	Gloss golden yellow BS381C/356 with broad black diagonal stripes	Post office red, white and blue, upper and lower surface of each main plane, each side of the fuselage and each side of the fin.	Black On (2) they are to be set into a suitably shaped yellow panel.	Aircraft whose secondary role is target towing are to be coloured according to their operational role.
Pilotless target	Fluorescent yellow	Fluorescent red	None		The boundary between upper and lower surfaces is a line parallel to the centre line of the fuselage passing through a point ¼D below the top of the fuselage at the maximum depth.

TABLE 1 - PAINT SCHEME DETAILS (Continued)

AIRCRAFT TYPE	PAINT SPEC.	ASSOC. A.P.	DESIGN AUTH.	DRAWING NUMBERS	REMARKS
CANBERRA	External finish varies according to mark and may be.	A.P.101B-0400 Series	P.R. Mk.9 Short Bros. & Harland Ltd.	P.R. Mk.9 EB8-00-79 (4 sheets)	P.R. Mk.9 - DTD.5580, but pre-Mod 4121 aircraft may have a combination of DTD 772 and DTD 5555.
	DTD 772 (B.S.X29)	A.P.119A-0601-1B, Chap.2	All other Marks:-	B.Mk.2 - EA3-00-197 Pre-Mod 4476 EA3-00-10661 Post-Mod 4476	Some B.Mk.2 and PR.3 aircraft may still be to Spec. DTD 772 (B.S. X29) or DTD 899.
	DTD 899	A.P.119A-060-1B, Chap.10	British Aircraft Corporation Ltd.	PR.Mk.3 - EA2-00-309 Pre-Mod 4422 EA2-00-5071 Post-Mod 4422 T.Mk.4 - EA4-00-3 Pre-Mod 4476 EA4-00-5255 Post-Mod 4476	Eventually all Canberra aircraft in RAF service will be painted to DTD 5580, but refer to DTD Spec. marking on individual aircraft.
	DTD 5555 or	A.P.119A-0601-1B, Chap.4		B.Mk.6 - EB6-00-79 Pre-Mod 4476 and EB4-00-791 Post-Mod 4476 B(1)Mk.6	On all marks the madapollam-covered fin is treated to Mod. 2517 standard but the final finish is to the Specification used on the aircraft.
	DTD 5580	A.P.119A-0601-1B, Chap.1		PR Mk.7 - EB7-00-301 Pre-Mod.4477 EB7-00-307 Post-Mod.4477	
	(See remarks column)			B(1)Mk.8 - EA9-00-113 Pre-Mod.2563 EA9-00-113)Post-Mod EA9-0010,001) 2563 B(I)Mk.12 - EC3-00-11 T.Mk.13 - EC4-00-3	The conditions of para.2 are to be applied whenever possible but a slight overlap is permissible where materials of two specifications meet.
◀	DTD 5599	A.P.119A-0601-1B Chap. 5		Mk.22 (RN) ▶	◀Mk.B.6, PR.7, B(I)8, PR.9, and B.15 painted in accordance with Spec. DTD5580 to Mod.4853 standard.▶

TABLE 1 PAINT SCHEME DETAILS (Continued)

AIRCRAFT TYPE	PAINT SPEC.	ASSOC. A.P	DESIGN AUTH.	DRAWING NUMBERS	REMARKS
CANBERRA (Cont'd)				B.Mk.15) and) EB6-00-457 B.Mk.16) T.Mk.17 - EG7-00-95 Pre-Mod 4450 EG7-00-273 Post-Mod 4450 T.T.Mk.18-RAF-EG9-00-85 T.T.Mk.18-RN-EG9-00-97 T.T.Mk.19-EA3-00-5039 Pre-Mod 4476 EA5-00-27 Post-Mod 4476 EA3-00-5347-Method of Application of Polyurethane Paint	
	Internal - DTD 899	A.P.119A-0601-1B, Chap.10			

Introduction

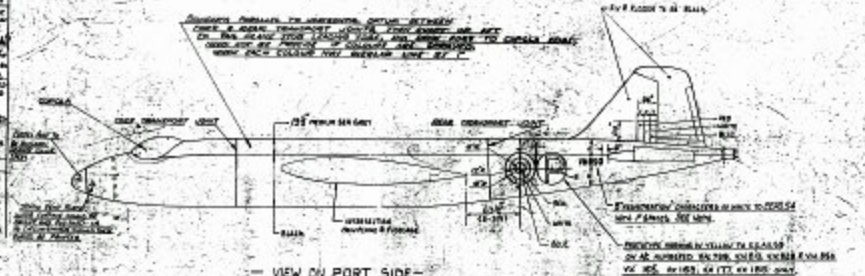
1. Second line Royal Navy aircraft and some training and target aircraft of the Royal Air Force are marked with fluorescent materials. These markings enable the aircraft to be more easily identified in conditions of dusk, dawn or haze and assist search and rescue operation in the event of a crash or forced landing on water, snow, scrub or other difficult terrain.

2. The above mentioned aircraft are to have the appropriate surface finish and markings as detailed in A.P.119A-0601-1E,Chapter 1 and Chapter 2; in addition, they are to bear the fluorescent markings as shown in the relevant illustrations. The fluorescent markings are to be applied at the first convenient opportunity on R.N. aircraft and before issue on R.A.F. aircraft.

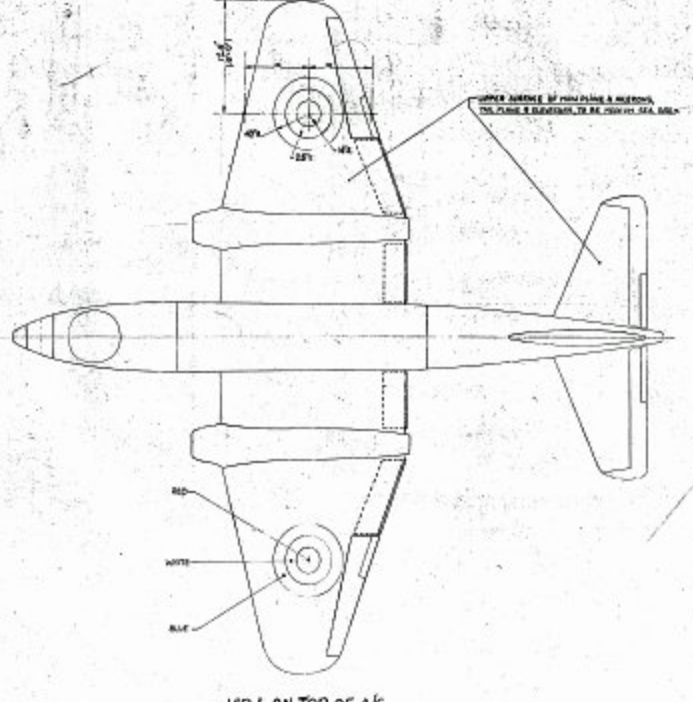
◄ 3. Fluorescent markings to DTD 900/4912 are painted on R.N. aircraft but, ► except in some cases, R.A.F. aircraft are marked with Scotchcal self-adhesive film. However, R.A.F. aircraft are being repainted with high gloss polyurethane finishes and signal red polyurethane paint instead of Scotchcal tape or fluorescent paint. It will be some time before the latter two materials are completely superseded.

E AI 00 77 SHT 2 OF 3 SHTS

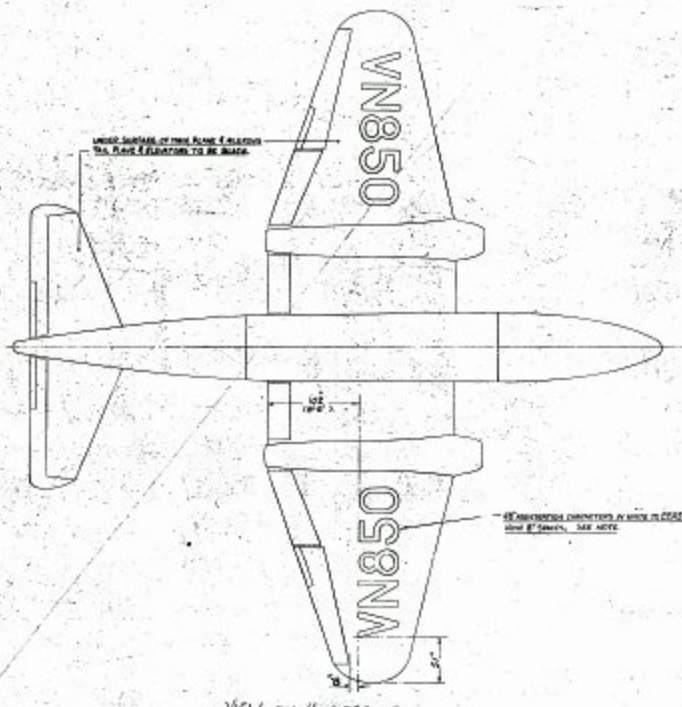
A	
B	REVISED FOR C.L. BOOSTER ATTACHMENTS ETC. AUTOMATIC SET No. 14.940
C	
1	PRODUCTION
2	
3	
4	
5	
6	
7	
8	
9	
10	



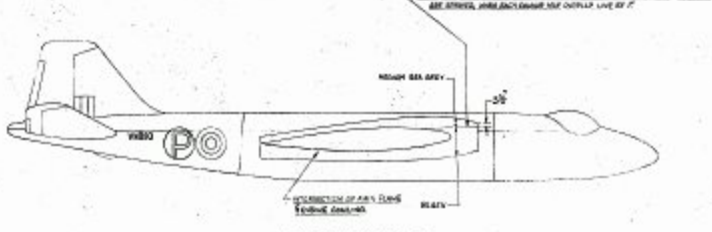
— VIEW ON PORT SIDE —
(SEE SHT 3 FOR FLANGE OF FIXED)



— VIEW ON TOP OF A/C —



— VIEW ON UNDERSIDE —



— VIEW ON STARBD SIDE —
(OUTER WING PLANE OMITTED)

NOTES

REGISTRATION NUMBERS ILLUSTRATED ARE TYPICAL ONLY

PARTICULARS OF FINISH & MARKINGS ON EACH SIDE OF FUSELAGE C.L. ARE IDENTICAL, EXCEPTING READING-DIRECTION OF REGISTRATION NUMBERS.

FOR MATERIALS AND PROCEDURE, SEE SHT 3.

FOR EXTERNAL MARKINGS SEE SHT 3.

REFERENCE ONLY WILL NOT BE UPDATED

NOT REQUIRED AFTER INTRO OF MOD 312

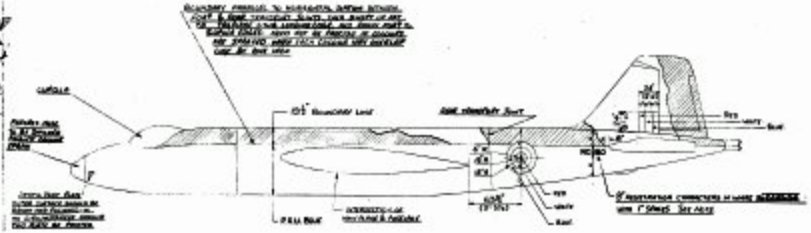
PRODUCTION

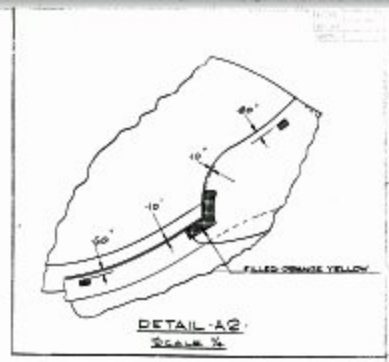
E.E.P.S. LTD.

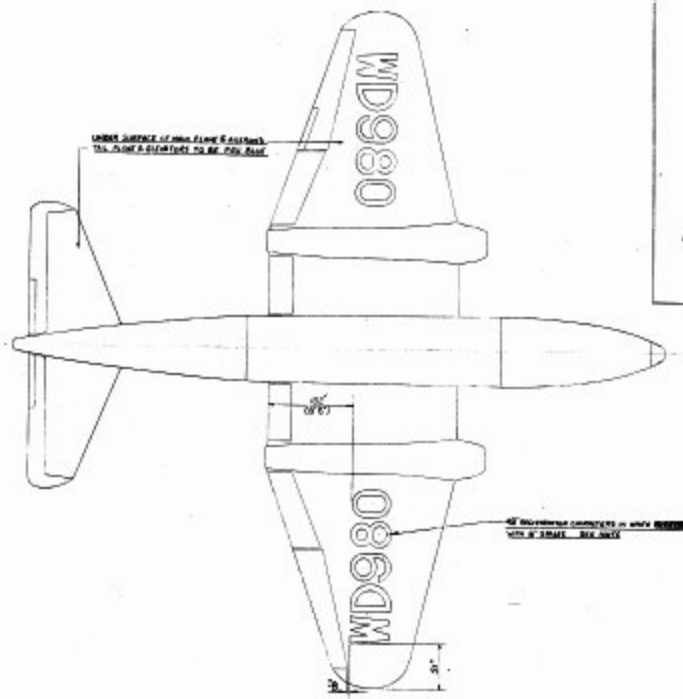
EXTERNAL & SERVICE MARKINGS & FINISH.

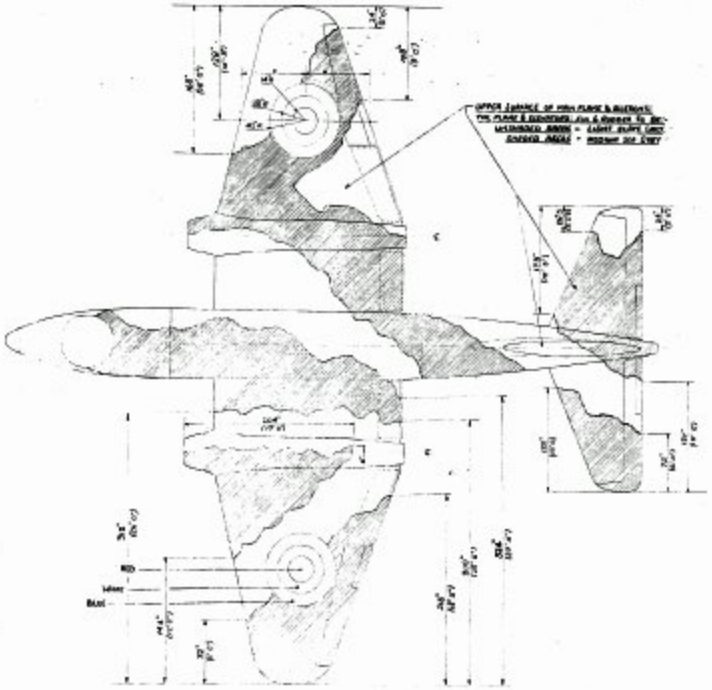
E AI 00 77 SHT 2 OF 3 SHTS

E A3 00 95 sht 2

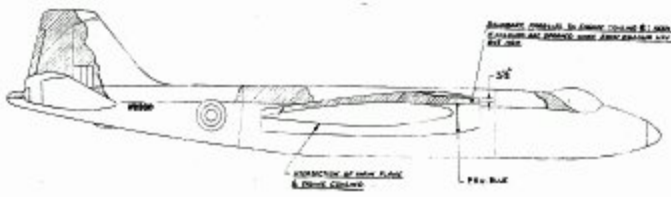








FIRST ANGLE PROJECTION -VIEW ON TOP OF A/C-



-Notes-

REGISTRATION NUMBERS ILLUSTRATED ARE TYPICAL ONLY

PORT/CENTRE OF FINISH & MARKINGS ON AREA SHOWN ON PORT SIDE

C.F. A/C IDENTICAL EXCEPTING REVERSE DIRECTION OF REGISTRATION NUMBERS

FOR MATERIALS & PROCESSES SEE SHEET 1

FOR EXTERNAL MARKINGS SEE SHEET 3

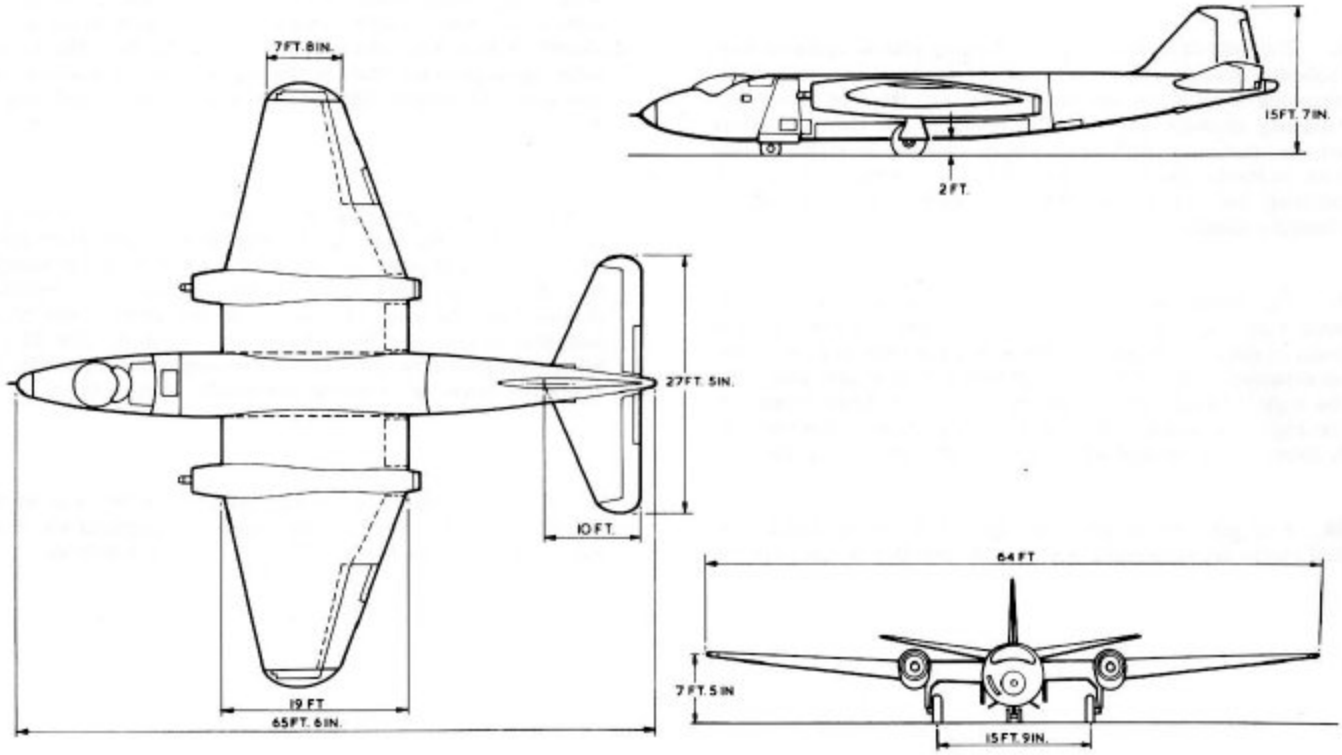
SURFACES ABOVE BROKEN LINES WITH 45° HATCHING INDICATE UNCOVERED AREAS TO BE: LIGHT GLOSS GREY

UNDER SURFACES OF MAIN PLANE, AILERON, TAILPLANE, ELEVATORS, & FUSELAGE BELOW BOUNDARY LINE — PRE BLUE

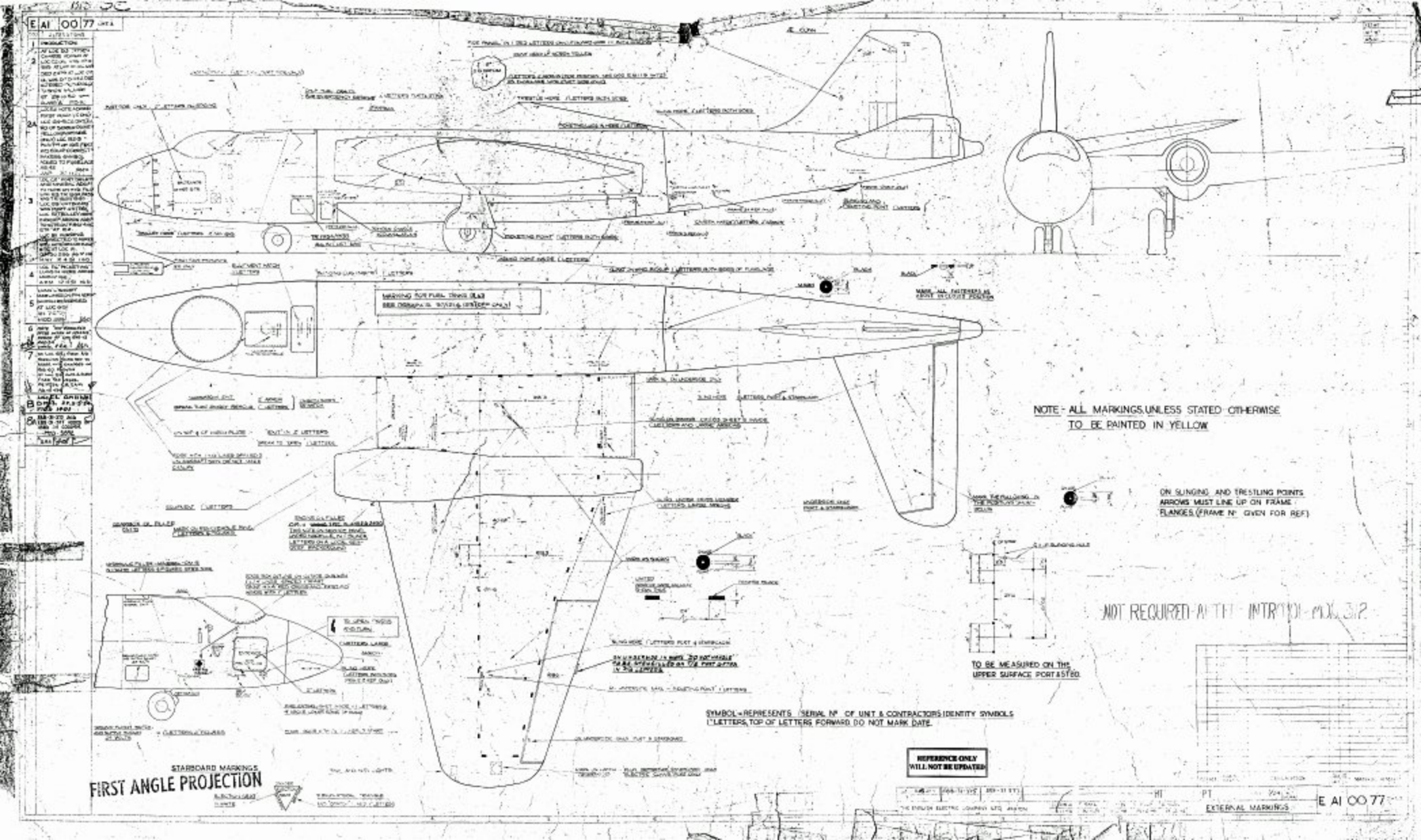
PRODUCTION

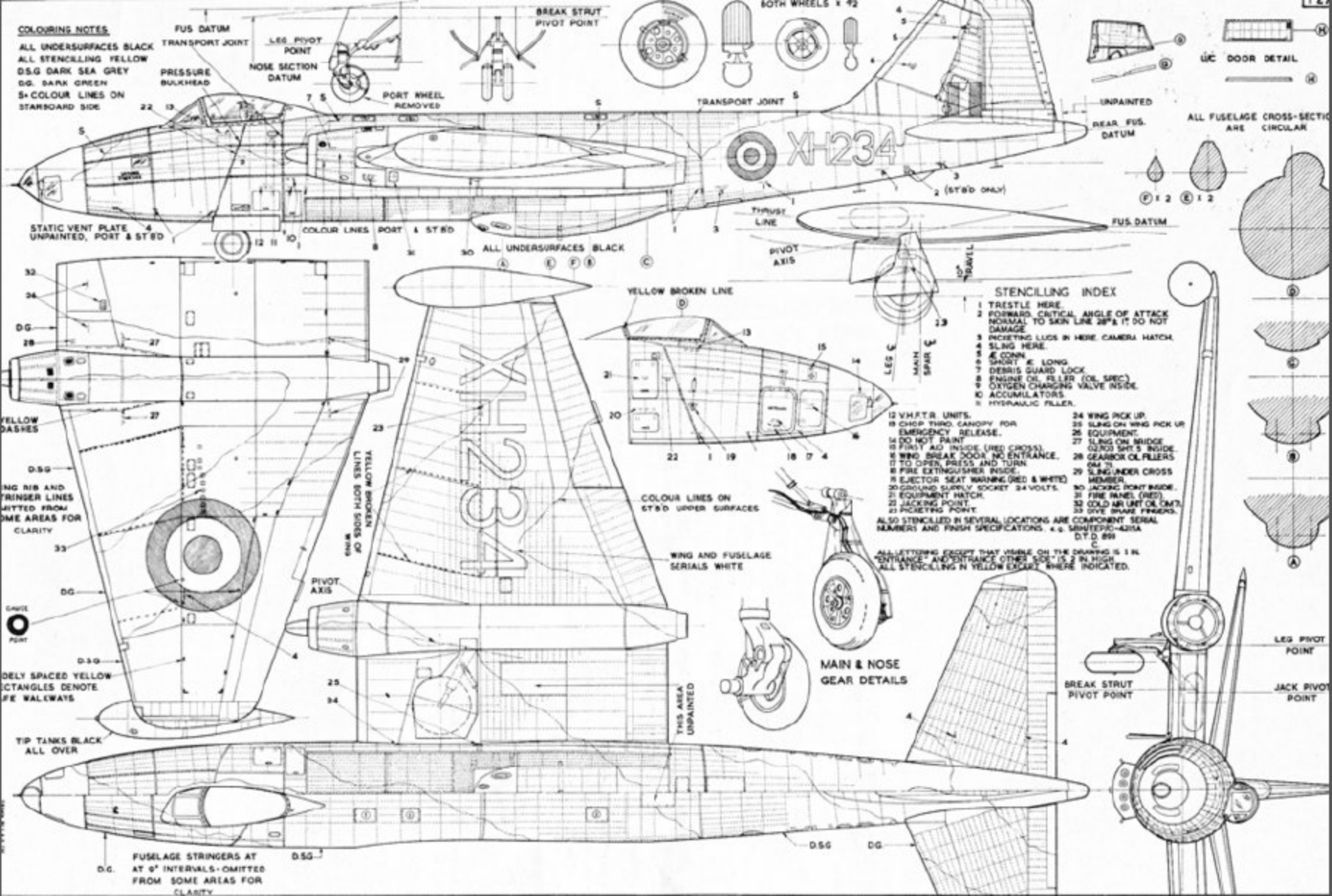
E A3 00 95 sht 2 of 3 sht

H & M.C. WOODFORD



GENERAL ARRANGEMENT


E AI 00 77
NOTE - ALL MARKINGS UNLESS STATED OTHERWISE TO BE PAINTED IN YELLOW
ON SLINGING AND TRESTLING POINTS ARROWS MUST LINE UP ON FRAME FLANGES (FRAME N° GIVEN FOR REF)
NOT REQUIRED AFTER INTRO MOD 312
TO BE MEASURED ON THE UPPER SURFACE PORT & STBD
SYMBOL = REPRESENTS SERIAL N° OF UNIT & CONTRACTORS IDENTITY SYMBOLS (LETTERS, TOP OF LETTERS FORWARD) DO NOT MARK DATE.
REFERENCE ONLY WILL NOT BE UPDATED
STARBOARD MARKINGS
FIRST ANGLE PROJECTION
EXTERNAL MARKINGS
E AI 00 77


COLOURING NOTES
ALL UNDERSURFACES BLACK
ALL STENCILLING YELLOW
D.S.G. DARK SEA GREY
D.G. DARK GREEN
5" COLOUR LINES ON STARBOARD SIDE
FUS DATUM
TRANSPORT JOINT
LEG PIVOT POINT
NOSE SECTION DATUM
PRESSURE BULKHEAD
PORT WHEEL REMOVED
BREAK STRUT PIVOT POINT
BOTH WHEELS x 42
TRANSPORT JOINT
UNPAINTED
REAR FUS. DATUM
U/C DOOR DETAIL
ALL FUSELAGE CROSS-SECTIONS ARE CIRCULAR
XH234
STATIC VENT PLATE UNPAINTED, PORT & ST'BD
COLOUR LINES PORT & ST'BD
ALL UNDERSURFACES BLACK
THRUST LINE
PIVOT AXIS
FUS. DATUM
YELLOW BROKEN LINE
STENCILLING INDEX
1 TRESTLE HERE.
2 FORWARD. CRITICAL ANGLE OF ATTACK NORMAL TO SKIN LINE 28°& 17. DO NOT DAMAGE.
3 PICKETING LUGS IN HERE. CAMERA HATCH.
4 SLING HERE.
5 AC CONN.
6 SHORT & LONG.
7 DEBRIS GUARD LOCK.
8 ENGINE OIL FILLER (OIL SPEC.).
9 OXYGEN CHARGING VALVE INSIDE.
10 ACCUMULATORS.
11 HYDRAULIC FILLER.
12 V.H.F.T.R. UNITS.
13 CHOP THRO. CANOPY FOR EMERGENCY RELEASE.
14 DO NOT PAINT.
15 FIRST AID INSIDE (RED CROSS).
16 WING BREAK DOOR. NO ENTRANCE.
17 TO OPEN, PRESS AND TURN.
18 FIRE EXTINGUISHER INSIDE.
19 EJECTOR SEAT WARNING (RED & WHITE).
20 GROUND SUPPLY SOCKET 24 VOLTS.
21 EQUIPMENT HATCH.
22 JACKING POINT.
23 PICKETING POINT.
24 WING PICK UP.
25 SLING ON WING PICK UP.
26 EQUIPMENT.
27 SLING ON BRIDGE (12,700 SHT'S INSIDE.
28 GEARBOX OIL FILLERS ONLY.
29 SLING UNDER CROSS MEMBER.
30 JACKING POINT INSIDE.
31 FIRE PANEL (RED).
32 COLD AIR UNIT OIL CONT.
33 DRYE BRAKE PARACHUTE.
ALSO STENCILLED IN SEVERAL LOCATIONS ARE COMPONENT SERIAL NUMBERS AND FINISH SPECIFICATIONS. e.g. SBAC/TEP/C-4215A D.T.D. 899 C
ALL LETTERING EXCEPT THAT VISIBLE ON THE DRAWING IS 3 IN. "ENTRANCE" AND "ENTRANCE OTHER SIDE" IS 2 IN. HIGH
ALL STENCILLING IN YELLOW EXCEPT WHERE INDICATED.
COLOUR LINES ON ST'BD UPPER SURFACES
WING AND FUSELAGE SERIALS WHITE
MAIN & NOSE GEAR DETAILS
THIS AREA UNPAINTED
TIP TANKS BLACK ALL OVER
FUSELAGE STRINGERS AT 9" INTERVALS - OMITTED FROM SOME AREAS FOR CLARITY
D.S.G.
D.G.
LEG PIVOT POINT
JACK PIVOT POINT
BREAK STRUT PIVOT POINT

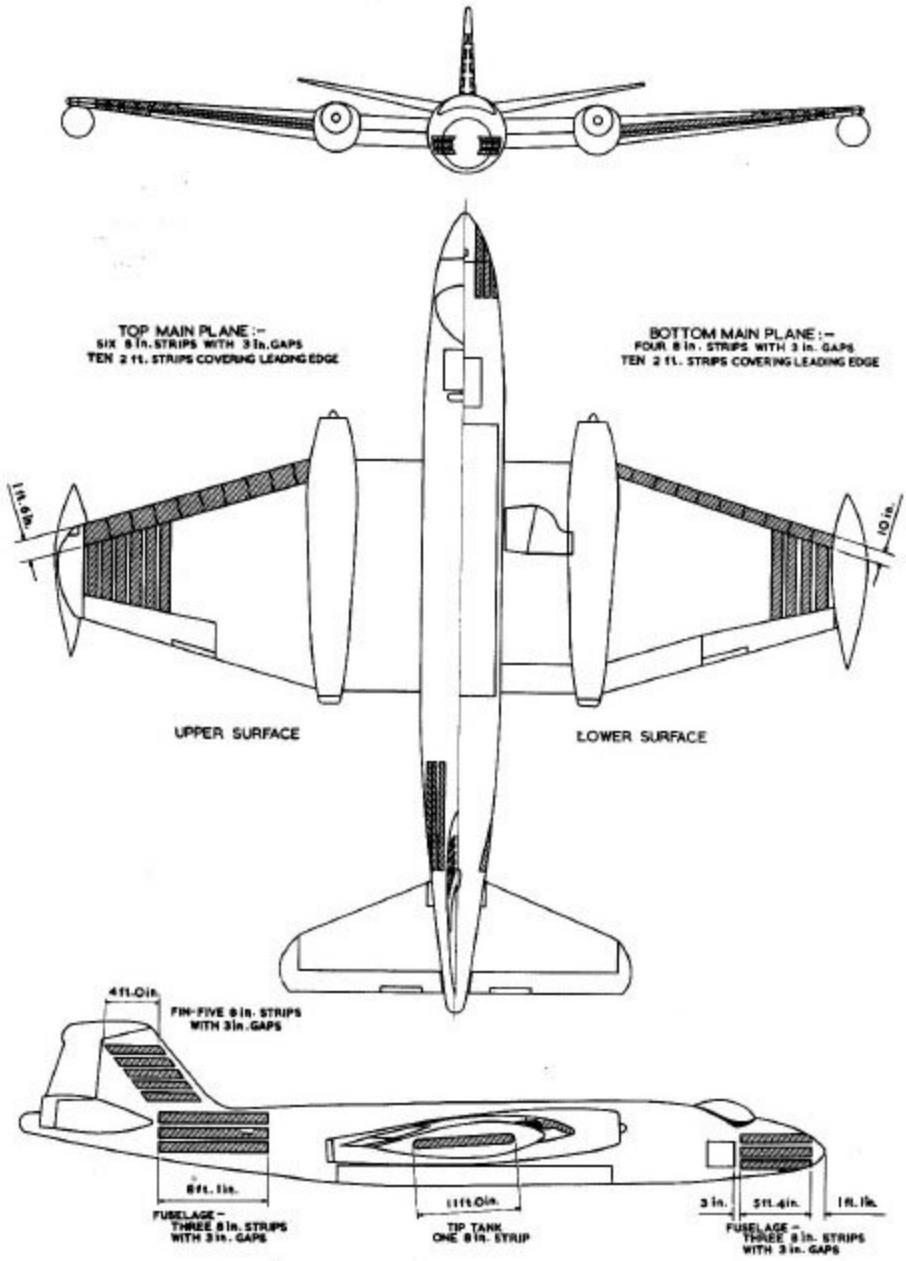
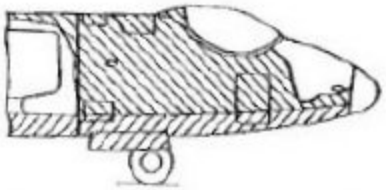
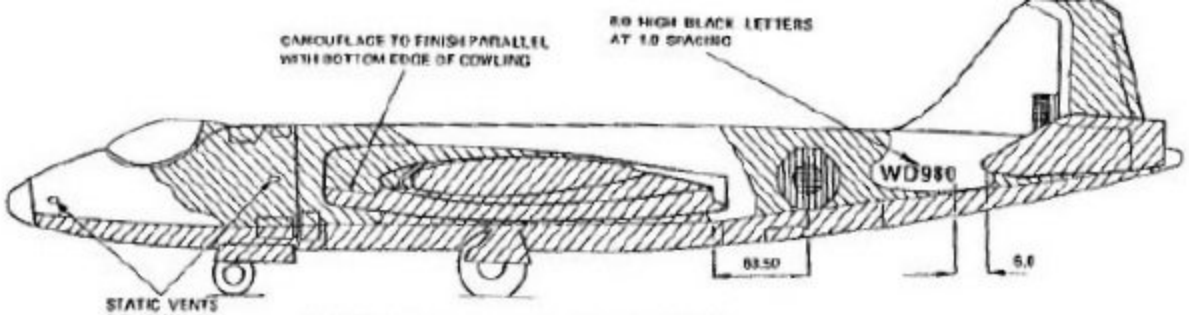


Fig. 16. Canberra T.Mk.4



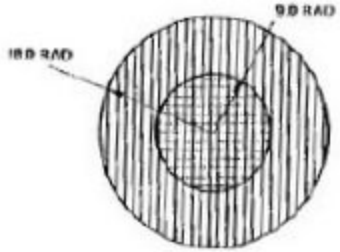
VIEW ON STBD. FRONT FUSELAGE



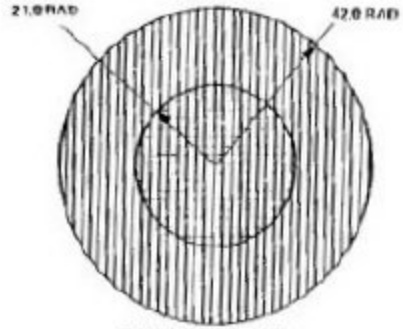
VIEW ON PORT SIDE OF AIRCRAFT

FIN FLASH

VIEW ON WING/FUSELAGE INTERSECTION - PORT SIDE



FUSELAGE ROUNDEL



MAIN PLANE ROUNDEL (UPPER SURFACE ONLY)

COLOUR CHART

BLACK
BS 4800 00E53M

POST OFFICE RED
BS 381C/538 M

ROUNDEL BLUE
BS 381C/110M

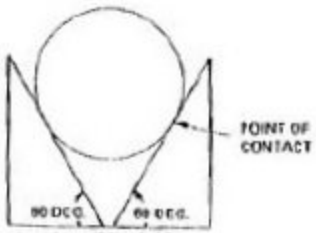
DARK SEA GREY
BS 381C/638M

DARK GREEN
BS 381C/641M

LIGHT AIRCRAFT GREY
BS 381C/627M

GOLDEN YELLOW BS 381C/356M
WHITE BS 4800 00E55N
THE LETTER M AFTER THE COLOUR SPEC. NUMBER DENOTES 'MATT'

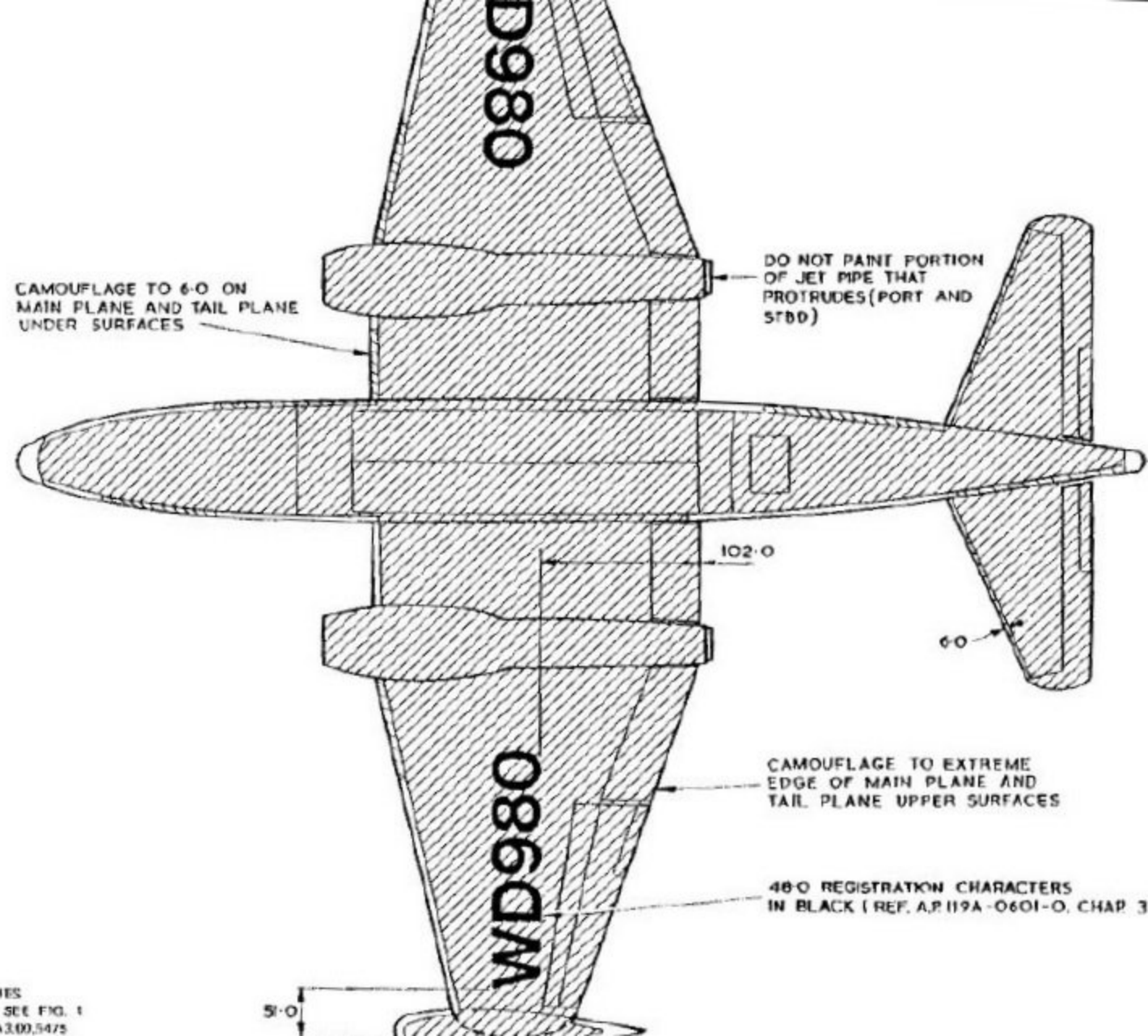
STBD. WING TIP TANK



TYPICAL METHOD OF DETERMINING BOUNDARY MARKINGS ON FUSELAGE

NOTES...

1. REGISTRATION NUMBERS ILLUSTRATED ARE TYPICAL ONLY.
2. MARKINGS ON EACH SIDE OF FUSELAGE ARE IDENTICAL EXCEPT FOR THE READING OF REGISTRATION NUMBERS.
3. ALL WINDOWS, CANOPY, PERSPEX NOSE, A.M.U. OUTLET, DIELECTRIC PANELS AND ALL EXTERNAL MARKINGS TO BE MASKED AGAINST SPRAY.
4. THE OUTER SURFACE OF EACH STATIC VENT PLATE MUST BE BRIGHT AND POLISHED. THE PLATES MUST NOT BE PAINTED.
5. ALL DIMENSIONS ARE IN INCHES.
6. REFERENCE DRG. NO.-EA2.00.5415



NOTES...

1. ALL DIMENSIONS IN INCHES
2. FOR PAINT FINISH CODE SEE FIG. 1
3. REFERENCE DRG. NO.-EA3.00.5475