TOOLING DEVELOPMENT

FROM DESIGN ENGINEERING GLASS CLOTH DRAWINGS

MASTER LINES GLASS CLOTH

FULL SCALE LAYOUT

"ASSEMBLY GLASS CLOTH" FOR STATION POSITION

FULL SCALE LAYOUT

PRODUCTION ENGINEERING "ASSEMBLY GLASS CLOTH"

FLANGES DEVELOPED & HOLE SIZES CODED FOR DETAIL PART M'F'G.

DESIGN ENGINEERING

PRODUCTION ENGINEERING

LINES REPRODUCTIONS

ALL REPRODUCTIONS PRINTED ON METAL SHEET

DETAIL REPRODUCTIONS STATION ASSEMBLY REPRODUCTIONS

CONTACT REPRODUCTION

AFTER SECTIONING CORRECTIONS MADE ON ORIGINALS

DRILL TEMPLATE

ROUTER TEMPLATE

LOFT MASTER TEMPLATE

DETAIL INSPECTION TEMPLATE

DETAIL PRESS PART

PRESS FORMS

WOOD SHOP

TEMPLATE SHOP

MASTER CONTOUR TEMPLATES

No. 1

No. 2 BUILT INTO MASTER MODEL

M.C.T. CONTROLS THE A.M.T. FOR PROFILE

AIRCRAFT MASTER TEMPLATES

A.M.T. CONTROLS THE L.M.T. FOR PROFILE & TOOLING HOLE POSITION

TEMPLATE SHOP

No. 1 M.C.T. STORED IN LIBRARY

MASTER TEMPLATES LIBRARY

S/A & ASSEMBLY JIG ERECTION

MASTER MODEL TO INSIDE SKIN CONTOUR

SPLASH DAMMED UP FOR CASTING PATTERN

½" MASONITE

TIE BOLT WITH SPACER

TOOL PLASTIC

WAX OVERLAY

SPLASH

PLASTER SHOP

DIRECT CAST OF PLASTER OR METAL FOR DIE DRESSING

BUILD UP MODEL WITH WAX TO OUTSIDE SKIN LINE, THEN CAST FROM

MALE PATTERN

DROP HAMMER DIE PATTERN

TOOL PLASTIC FOR USE AS TOOL OR PATTERN FOR KIRKSITE BLOCK

TIE BOLTS

MASONITE OR STEEL SIDE PLATES

LUGS FOR DIE ALIGNMENT CUT INTO SAND MOLD

SAND MOLD

LEAD PUNCH CAST DIRECTLY FROM DIE

STRETCH FORM BLOCK READY FOR USE

STRETCH FORM PART

BUILD UP MODEL WITH WAX TO OUTSIDE SKIN LINE. THEN CAST DRILL & TRIM BLANKS

CONTOUR DRILL & TRIM JIGS

PLASTIC SHOP

DROP HAMMER DETAIL

KIRKSITE DROP HAMMER DIE (FEMALE)

DROP HAMMER SHOP

DRILL & TRIM BASES

PART

PLASTIC SHOP

STRETCH FORM SPLASH

PLASTER SHOP

STRETCHED SKIN

ERCO STRETCH FORM

PLASTIC SHOP

			ISSUE
			DATE
		JAN 5/56	DRAWN BY
		L.C.D.	CHECKED

REDRAWN BY L.C.D. JAN. 3/56

ISSUED BY PRODUCTION ENGINEERING SERVICES

P.E.S. 2