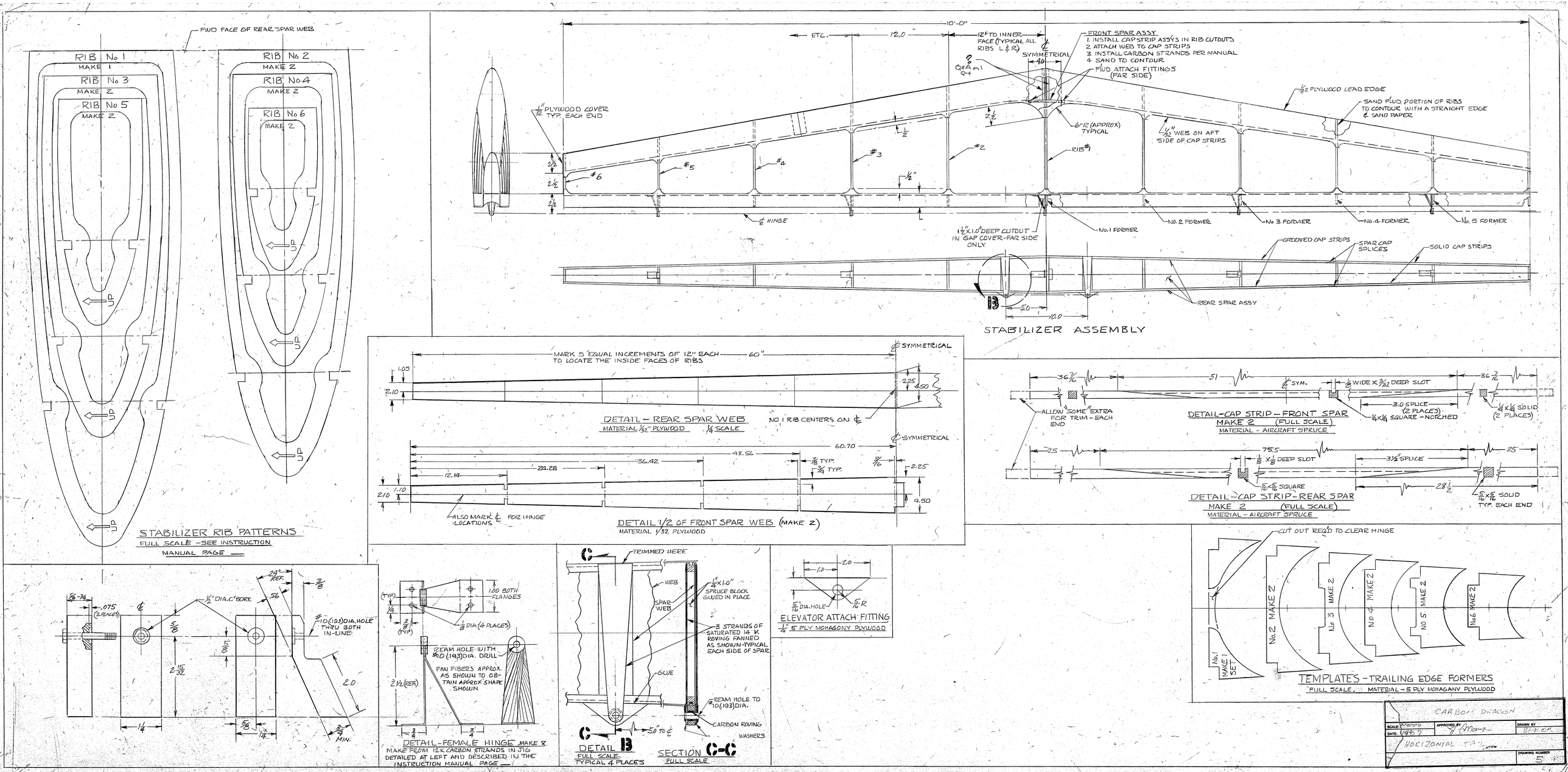
FWD FACE OF REAR SPAR WEB
RIB No 1
MAKE 1
RIB No 3
MAKE 2
RIB No 5
MAKE 2
RIB No 2
MAKE 2
RIB No 4
MAKE 2
RIB No 6
MAKE 2
UP
STABILIZER RIB PATTERNS
FULL SCALE - SEE INSTRUCTION MANUAL PAGE ___
10'-0"
ETC.
12.0
12" TO INNER FACE (TYPICAL ALL RIBS L & R)
SYMMETRICAL
FRONT SPAR ASSY
1. INSTALL CAP STRIP ASSYS IN RIB CUTOUTS
2. ATTACH WEB TO CAP STRIPS
3. INSTALL CARBON STRANDS PER MANUAL
4. SAND TO CONTOUR
FWD ATTACH FITTINGS (FAR SIDE)
1/32 PLYWOOD LEAD EDGE
SAND FWD. PORTION OF RIBS TO CONTOUR WITH A STRAIGHT EDGE & SAND PAPER
1/32" PLYWOOD COVER TYP. EACH END
6"12 (APPROX) TYPICAL
1/32" WEB ON AFT SIDE OF CAP STRIPS
RIB #1
#2
#3
#4
#5
#6
℄ HINGE
1 1/2"x1.0" DEEP CUTOUT IN GAP COVER - FAR SIDE ONLY
No. 1 FORMER
No. 2 FORMER
No 3 FORMER
No. 4 FORMER
No. 5 FORMER
GROOVED CAP STRIPS
SPAR CAP SPLICES
SOLID CAP STRIPS
REAR SPAR ASSY
5.0
10.0
STABILIZER ASSEMBLY
MARK 5 EQUAL INCREMENTS OF 12" EACH TO LOCATE THE INSIDE FACES OF RIBS
60"
1.05
2.10
2.25
4.50
DETAIL - REAR SPAR WEB
MATERIAL 1/32" PLYWOOD 1/4 SCALE
NO. 1 RIB CENTERS ON ℄
60.70
48.56
36.42
24.28
12.14
3/8 TYP.
3/4 TYP.
3/16
1.10
ALSO MARK ℄ FOR HINGE LOCATIONS
DETAIL 1/2 OF FRONT SPAR WEB (MAKE 2)
MATERIAL 1/32 PLYWOOD
36 7/16
51
SYM.
1/8 WIDE X 3/32 DEEP SLOT
3.0 SPLICE (2 PLACES)
1/4x1/4 SQUARE - NOTCHED
1/4x1/4 SOLID (2 PLACES)
ALLOW SOME EXTRA FOR TRIM - EACH END
DETAIL - CAP STRIP - FRONT SPAR
MAKE 2 (FULL SCALE)
MATERIAL - AIRCRAFT SPRUCE
25
75.5
1/8 X 1/8 DEEP SLOT
3 1/2" SPLICE
5/16x5/16 SQUARE
28 1/2
5/16x5/16 SOLID TYP. EACH END
DETAIL - CAP STRIP - REAR SPAR
MAKE 2 (FULL SCALE)
MATERIAL - AIRCRAFT SPRUCE
CUT OUT REQ'D TO CLEAR HINGE
No. 1 MAKE 1 SET
No. 2 MAKE 2
No 3 MAKE 2
No 4 MAKE 2
No 5 MAKE 2
No 6 MAKE 2
TEMPLATES - TRAILING EDGE FORMERS
FULL SCALE, MATERIAL - 5 PLY MOHAGANY PLYWOOD
5/8-3/4
.075 (2 PLACES)
1/2" DIA. C'BORE
24° REF.
56
3/8
5/8
#10 (.193) DIA. HOLE THRU BOTH IN-LINE
2 15/32
1 1/4
5/8
3/4 MIN.
2.0
(TYP)
1/4
3/8 (TYP)
1.00 BOTH FLANGES
1/8 DIA (4 PLACES)
REAM HOLE WITH #10 (.193) DIA. DRILL
FAN FIBERS APPROX. AS SHOWN TO OBTAIN APPROX SHAPE SHOWN
2 1/2 (REF)
3/4
DETAIL - FEMALE HINGE MAKE 8
MAKE FROM 12K CARBON STRANDS IN JIG DETAILED AT LEFT AND DESCRIBED IN THE INSTRUCTION MANUAL PAGE ___
TRIMMED HERE
WEB
SPAR WEB
1/4"x1.0" SPRUCE BLOCK GLUED IN PLACE
3 STRANDS OF SATURATED 14 K ROVING FANNED AS SHOWN - TYPICAL EACH SIDE OF SPAR
GLUE
#10 REAM HOLE TO #10 (.193) DIA.
CARBON ROVING
WASHERS
.50" TO ℄
DETAIL B
FULL SCALE
TYPICAL 4 PLACES
SECTION C-C
FULL SCALE
1.0
2.0
5/16 DIA. HOLE
5/16 R
ELEVATOR ATTACH FITTING
1/4" 5 PLY MOHAGANY PLYWOOD
CARBON DRAGON
SCALE Mono
DATE (1995)
APPROVED BY
DRAWN BY
HORIZONTAL TAIL
DRAWING NUMBER 5