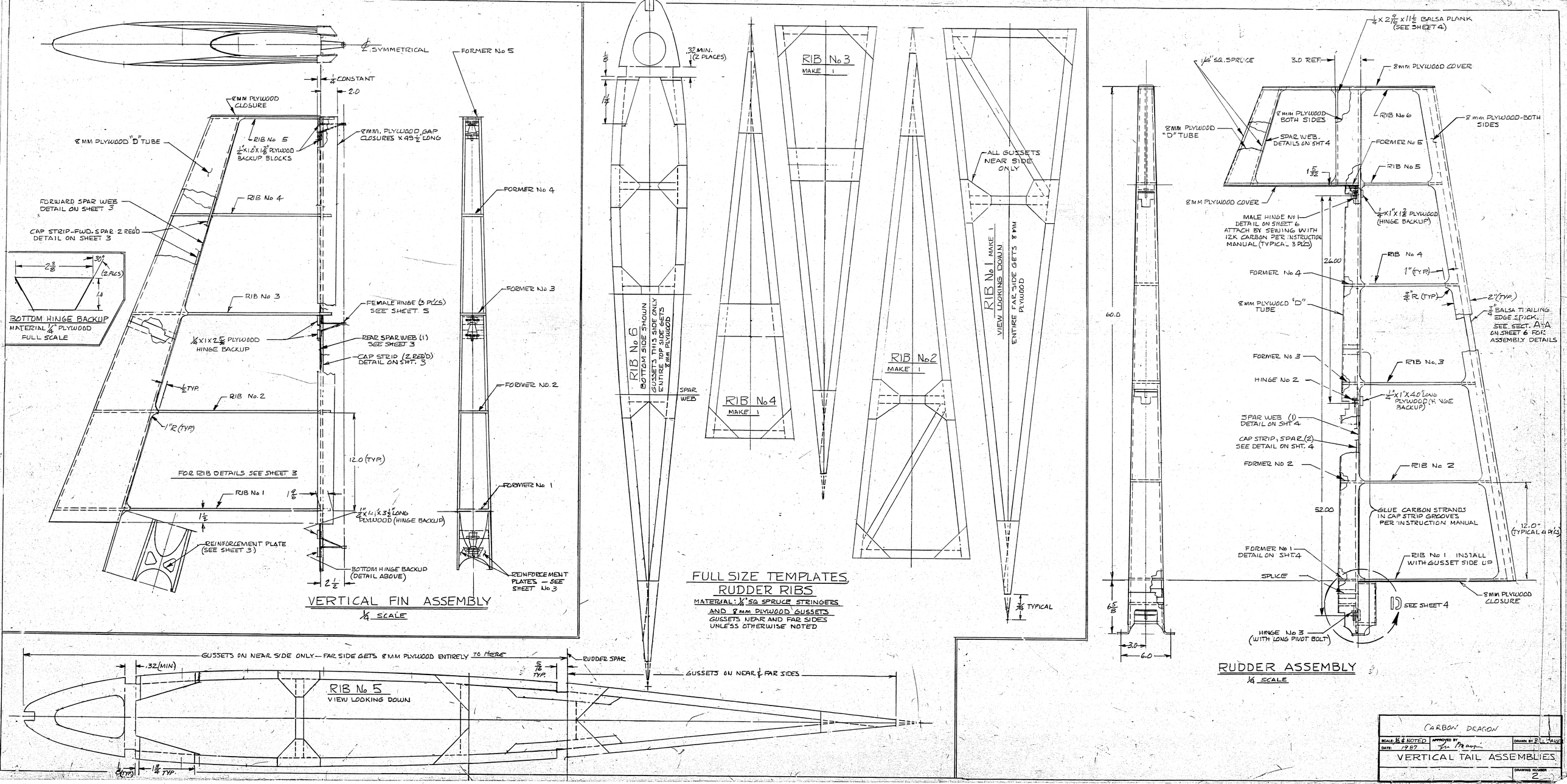

℄ SYMMETRICAL
FORMER No 5
1/4 CONSTANT
2.0
8MM PLYWOOD CLOSURE
8MM PLYWOOD "D" TUBE
RIB No 5
1/4"X1.0"X1 7/8" PLYWOOD BACKUP BLOCKS
8MM. PLYWOOD GAP CLOSURES X 49 1/2" LONG
FORWARD SPAR WEB DETAIL ON SHEET 3
RIB No 4
FORMER No 4
CAP STRIP-FWD. SPAR 2 REQ'D DETAIL ON SHEET 3
2 3/8
30°
(2 PLCS)
1.0
BOTTOM HINGE BACKUP
MATERIAL 1/4" PLYWOOD
FULL SCALE
RIB No 3
FEMALE HINGE (3 PL'CS) SEE SHEET 5
FORMER No 3
1/4"X1X2 5/8 PLYWOOD HINGE BACKUP
REAR SPAR WEB (1) SEE SHEET 3
CAP STRIP (2 REQ'D) DETAIL ON SHT. 3
1/2 TYP.
RIB No. 2
FORMER No. 2
1"R (TYP)
12.0 (TYP.)
FOR RIB DETAILS SEE SHEET 3
RIB No 1
1 9/16
FORMER No 1
1 1/2
1/4"X1 1/4"X3 1/2" LONG PLYWOOD (HINGE BACKUP)
REINFORCEMENT PLATE (SEE SHEET 3)
BOTTOM HINGE BACKUP (DETAIL ABOVE)
2 1/2
REINFORCEMENT PLATES — SEE SHEET No 3
VERTICAL FIN ASSEMBLY
1/4 SCALE
.32 MIN. (2 PLACES)
1/8
1 1/4
RIB No 6
BOTTOM SIDE SHOWN
GUSSETS THIS SIDE ONLY
ENTIRE TOP SIDE GETS 8MM PLYWOOD
SPAR WEB
RIB No 4
MAKE 1
RIB No 3
MAKE 1
RIB No 2
MAKE 1
ALL GUSSETS NEAR SIDE ONLY
RIB No 1 MAKE 1
VIEW LOOKING DOWN
ENTIRE FAR SIDE GETS 8MM PLYWOOD
3/4 TYPICAL
FULL SIZE TEMPLATES
RUDDER RIBS
MATERIAL: 1/4" SQ SPRUCE STRINGERS AND 8MM PLYWOOD GUSSETS
GUSSETS NEAR AND FAR SIDES UNLESS OTHERWISE NOTED
1/4 X 2 9/16 X 11 1/2 BALSA PLANK (SEE SHEET 4)
1/4" SQ. SPRUCE
3.0 REF.
8MM PLYWOOD COVER
8MM PLYWOOD BOTH SIDES
RIB No 6
8MM PLYWOOD-BOTH SIDES
8MM PLYWOOD "D" TUBE
SPAR WEB. DETAILS ON SHT 4
FORMER No 5
1 5/32
RIB No 5
8MM PLYWOOD COVER
MALE HINGE No 1 DETAIL ON SHEET 6 ATTACH BY SEWING WITH 12K CARBON PER INSTRUCTION MANUAL (TYPICAL 3 PL'CS)
1/4"X1"X1 7/8 PLYWOOD (HINGE BACKUP)
26.00
RIB No 4
FORMER No 4
1" (TYP)
3/4"R (TYP)
2" (TYP)
3/4" BALSA TRAILING EDGE STOCK. SEE SECT. A-A ON SHEET 6 FOR ASSEMBLY DETAILS
8MM PLYWOOD "D" TUBE
60.0
FORMER No 3
RIB No. 3
HINGE No 2
1/4"X1"X4.0" LONG PLYWOOD (HINGE BACKUP)
SPAR WEB (1) DETAIL ON SHT 4
CAP STRIP, SPAR (2) SEE DETAIL ON SHT. 4
FORMER No 2
RIB No 2
52.00
GLUE CARBON STRANDS IN CAP STRIP GROOVES PER INSTRUCTION MANUAL
12.0" (TYPICAL 4 PL'CS)
FORMER No 1 DETAIL ON SHT. 4
RIB No 1 INSTALL WITH GUSSET SIDE UP
SPLICE
8MM PLYWOOD CLOSURE
SEE SHEET 4
6 5/8
HINGE No 3 (WITH LONG PIVOT BOLT)
3.0
6.0
RUDDER ASSEMBLY
1/4 SCALE
GUSSETS ON NEAR SIDE ONLY — FAR SIDE GETS 8MM PLYWOOD ENTIRELY TO HERE
.32 (MIN)
5/16 TYP.
RUDDER SPAR
GUSSETS ON NEAR & FAR SIDES
RIB No 5
VIEW LOOKING DOWN
1/8 (TYP)
1 3/4 TYP.
CARBON DRAGON
SCALE: 1/4 & NOTED
DATE: 1987
APPROVED BY
DRAWN BY
VERTICAL TAIL ASSEMBLIES
DRAWING NUMBER 2