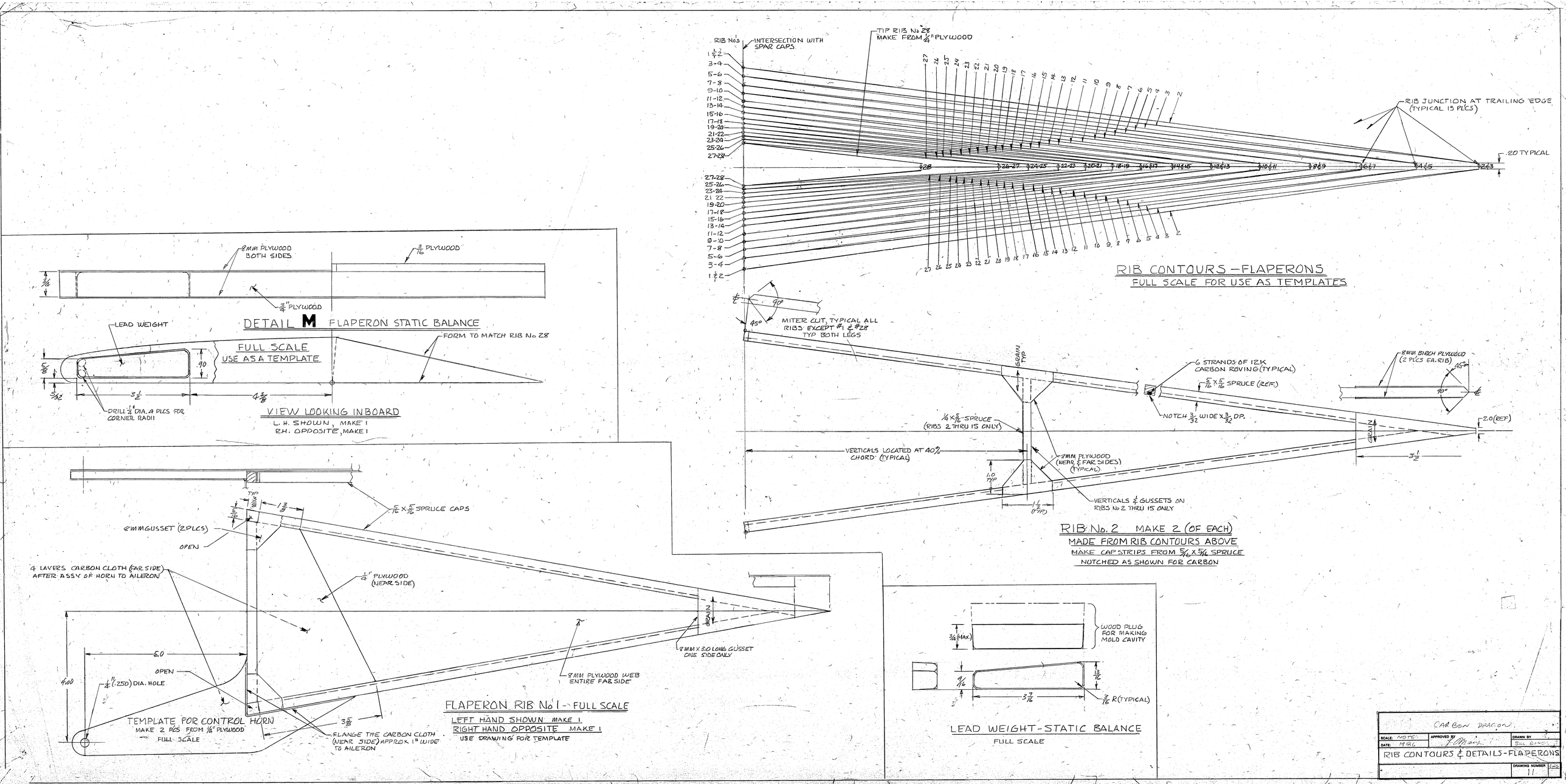
RIB Nos
INTERSECTION WITH SPAR CAPS
TIP RIB No 28 MAKE FROM 1/4" PLYWOOD
RIB JUNCTION AT TRAILING EDGE (TYPICAL 13 PLCS)
.20 TYPICAL
RIB CONTOURS — FLAPERONS
FULL SCALE FOR USE AS TEMPLATES
8MM PLYWOOD BOTH SIDES
3/16 PLYWOOD
3/4" PLYWOOD
DETAIL M FLAPERON STATIC BALANCE
LEAD WEIGHT
FULL SCALE USE AS A TEMPLATE
FORM TO MATCH RIB No 28
DRILL 1/4" DIA. 4 PLCS FOR CORNER RADII
VIEW LOOKING INBOARD
L.H. SHOWN, MAKE 1
R.H. OPPOSITE, MAKE 1
MITER CUT, TYPICAL ALL RIBS EXCEPT #1 & #28 TYP BOTH LEGS
GRAIN TYP
6 STRANDS OF 12K CARBON ROVING (TYPICAL)
5/16 x 5/16 SPRUCE (REF.)
8MM BIRCH PLYWOOD (2 PLCS EA. RIB)
NOTCH 3/32 WIDE x 3/32 DP.
1/4 x 5/16 SPRUCE (RIBS 2 THRU 15 ONLY)
VERTICALS LOCATED AT 40% CHORD (TYPICAL)
8MM PLYWOOD (NEAR & FAR SIDES) (TYPICAL)
VERTICALS & GUSSETS ON RIBS No 2 THRU 15 ONLY
GRAIN
2.0 (REF)
RIB No. 2 MAKE 2 (OF EACH)
MADE FROM RIB CONTOURS ABOVE
MAKE CAP STRIPS FROM 5/16 x 5/16 SPRUCE
NOTCHED AS SHOWN FOR CARBON
5/16 x 7/16 SPRUCE CAPS
8MM GUSSET (2 PLCS)
OPEN
4 LAYERS CARBON CLOTH (FAR SIDE) AFTER ASSY OF HORN TO AILERON
1/4" PLYWOOD (NEAR SIDE)
8MM x 3.0 LONG GUSSET ONE SIDE ONLY
8MM PLYWOOD WEB ENTIRE FAR SIDE
1/4" (.250) DIA. HOLE
TEMPLATE FOR CONTROL HORN
MAKE 2 PCS FROM 1/4" PLYWOOD
FULL SCALE
FLANGE THE CARBON CLOTH (NEAR SIDE) APPROX. 1" WIDE TO AILERON
FLAPERON RIB No 1 - FULL SCALE
LEFT HAND SHOWN MAKE 1
RIGHT HAND OPPOSITE MAKE 1
USE DRAWING FOR TEMPLATE
WOOD PLUG FOR MAKING MOLD CAVITY
3/16 R (TYPICAL)
LEAD WEIGHT - STATIC BALANCE
FULL SCALE
CARBON DRAGON
SCALE: NOTE
DATE: 1986
APPROVED BY
DRAWN BY
RIB CONTOURS & DETAILS - FLAPERONS
DRAWING NUMBER
C-10
1