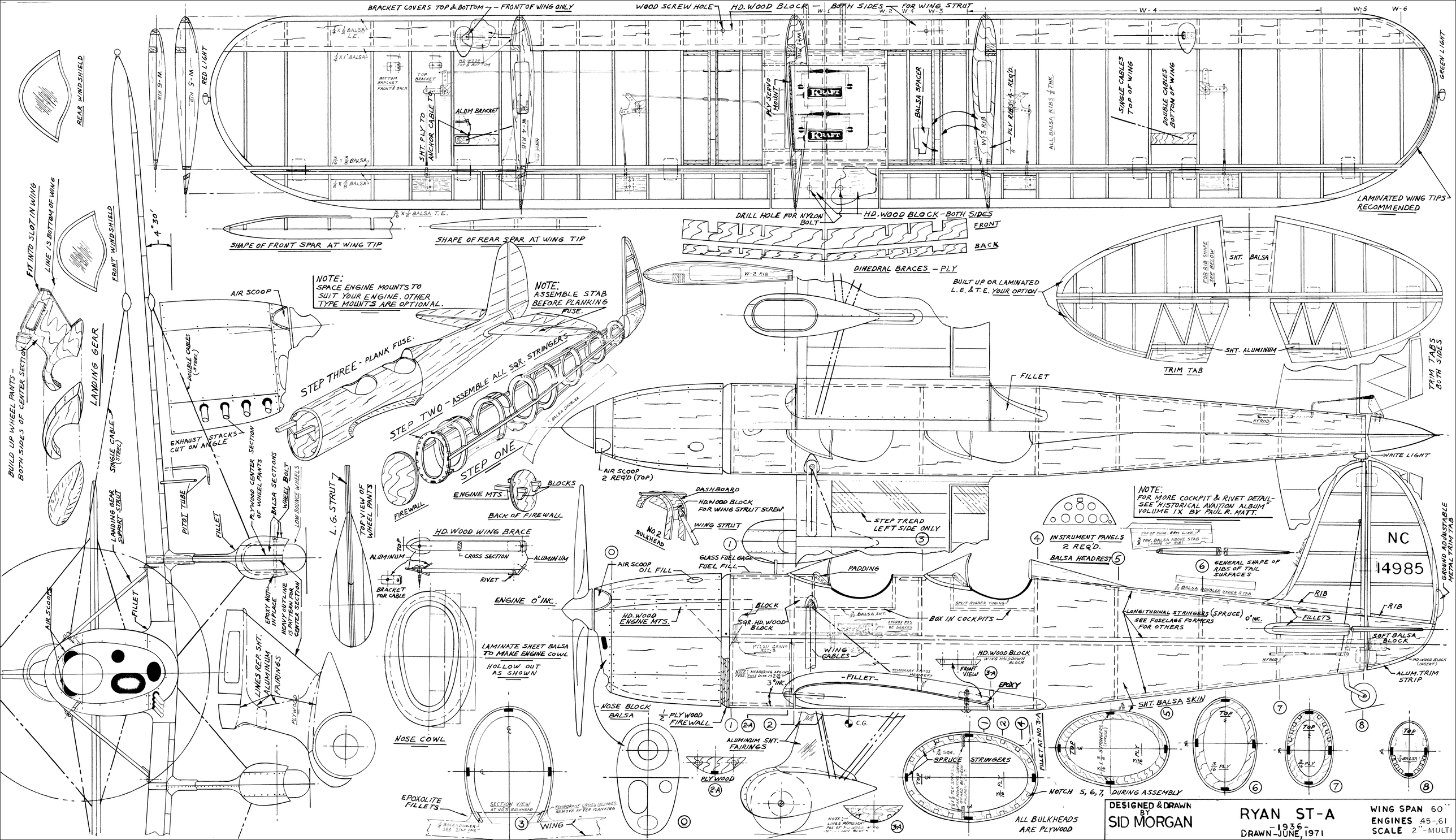
BRACKET COVERS TOP & BOTTOM — FRONT OF WING ONLY
WOOD SCREW HOLE
HD. WOOD BLOCK — BOTH SIDES — FOR WING STRUT
W-1
W-2
W-3
W-4
W-5
W-6
REAR WINDSHIELD
RED LIGHT
GREEN LIGHT
BALSA L.E.
BOTTOM BRACKET FRONT & BACK
TOP BRACKET
HD. WOOD TOP & BOTTOM
SHT. PLY TO ANCHOR CABLE TO
ALDM BRACKET
W-4 RIB
PLY SERVO MOUNT
BALSA SPACER
W-3 RIB
PLY RIBS 4 - REQ'D.
ALL BALSA RIBS 1/8 THK.
SINGLE CABLES TOP OF WING
DOUBLE CABLES BOTTOM OF WING
LAMINATED WING TIPS RECOMMENDED
SHAPE OF FRONT SPAR AT WING TIP
SHAPE OF REAR SPAR AT WING TIP
DRILL HOLE FOR NYLON BOLT
HD. WOOD BLOCK - BOTH SIDES
FRONT
BACK
DIHEDRAL BRACES - PLY
W-2 RIB
BUILT UP OR LAMINATED L.E. & T.E. YOUR OPTION
FOR RIB SHAPE SEE BELOW
SHT. BALSA
SHT. ALUMINUM
TRIM TAB
TRIM TABS BOTH SIDES
FILLET
NYROD
WHITE LIGHT
4°30'
FIT INTO SLOT IN WING
LINE IS BOTTOM OF WING
FRONT WINDSHIELD
BUILD UP WHEEL PANTS - BOTH SIDES OF CENTER SECTION
LANDING GEAR
AIR SCOOP
NOTE: SPACE ENGINE MOUNTS TO SUIT YOUR ENGINE. OTHER TYPE MOUNTS ARE OPTIONAL.
NOTE: ASSEMBLE STAB BEFORE PLANKING FUSE.
DOUBLE CABLES (STEEL)
STEP THREE - PLANK FUSE.
STEP TWO - ASSEMBLE ALL SQR. STRINGERS
STEP ONE
1 BALSA DOUBLER
EXHAUST STACKS CUT ON ANGLE
SINGLE CABLE (STEEL)
LANDING GEAR SUPPORT STRUT
PITOT TUBE
FILLET
PLYWOOD CENTER SECTION OF WHEEL PANTS
BALSA SECTIONS
WHEEL BOLT
LOW BOUNCE WHEELS
L.G. STRUT
TOP VIEW OF WHEEL PANTS
FIREWALL
ENGINE MTS.
BLOCKS
BACK OF FIREWALL
HD. WOOD WING BRACE
TOP
ALUMINUM
CROSS SECTION
RIVET
BRACKET FOR CABLE
AIR SCOOP 2 REQ'D (TOP)
DASHBOARD
HD. WOOD BLOCK FOR WING STRUT SCREW
WING STRUT
No 2 BULKHEAD
STEP TREAD LEFT SIDE ONLY
INSTRUMENT PANELS 2 REQ'D.
BALSA HEADREST
TOP OF FUSE. 8MM GLUE
3/8 THK. BALSA ABOVE STAB (SHAPE OF RIB)
GENERAL SHAPE OF RIBS OF TAIL SURFACES
3/8 BALSA DOUBLER UNDER STAB
NOTE: FOR MORE COCKPIT & RIVET DETAIL - SEE "HISTORICAL AVIATION ALBUM" VOLUME IX BY PAUL R. MATT.
NC 14985
GROUND ADJUSTABLE METAL TRIM TAB
AIR SCOOP OIL FILL
GLASS FUEL GAGE
FUEL FILL
PADDING
ENGINE 0° INC.
HD. WOOD ENGINE MTS.
BLOCK
SQR. HD. WOOD BLOCK
BALSA SHT.
APPROX POS OF SERVOS
BOX IN COCKPITS
SPLIT RUBBER TUBING
LONGITUDINAL STRINGERS (SPRUCE) SEE FUSELAGE FORMERS FOR OTHERS
0° INC.
RIB
FILLETS
SOFT BALSA BLOCK
HD. WOOD BLOCK (INSERT)
ALUM. TRIM STRIP
LAMINATE SHEET BALSA TO MAKE ENGINE COWL
HOLLOW OUT AS SHOWN
WING CABLES
HD. WOOD BLOCK W/ WING HOLD DOWN BLOCK
FRONT VIEW
EPOXY
TEMPORARY BRASS MEMBERS
NOTE: MEASURING AROUND FUSE. THIS DIM. IS 2 3/16
3 1/16
-FILLET-
SHT. BALSA SKIN
NOSE BLOCK BALSA
1/2 PLYWOOD FIREWALL
ALUMINUM SHT. FAIRINGS
C.G.
PLYWOOD
NOTE: LINES REPRESENT POS OF PLYWOOD ALONG "W" - SAW BLOCK
3/8 SQR. SPRUCE STRINGERS
FILLET AT NO. 3-A
NOTCH 5, 6, 7, DURING ASSEMBLY
ALL BULKHEADS ARE PLYWOOD
NOSE COWL
EPOXOLITE FILLETS
SECTION VIEW AT NO. 3 BULKHEAD
TEMPORARY CROSS MEMBER REMOVE AFTER PLANKING
3/8 BALSA DOUBLER SEE STAB DWG
WING
LINES REP. SHT. ALUMINUM FAIRINGS
EPOXY NUT IN PLACE
HEAVY OUTLINE IS PATTERN FOR CENTER SECTION
PLYWOOD
AIR SCOOPS
FILLET
DESIGNED & DRAWN BY SID MORGAN
RYAN ST-A
-1936-
DRAWN-JUNE, 1971
WING SPAN 60"
ENGINES 45-61
SCALE 2"-MULTI