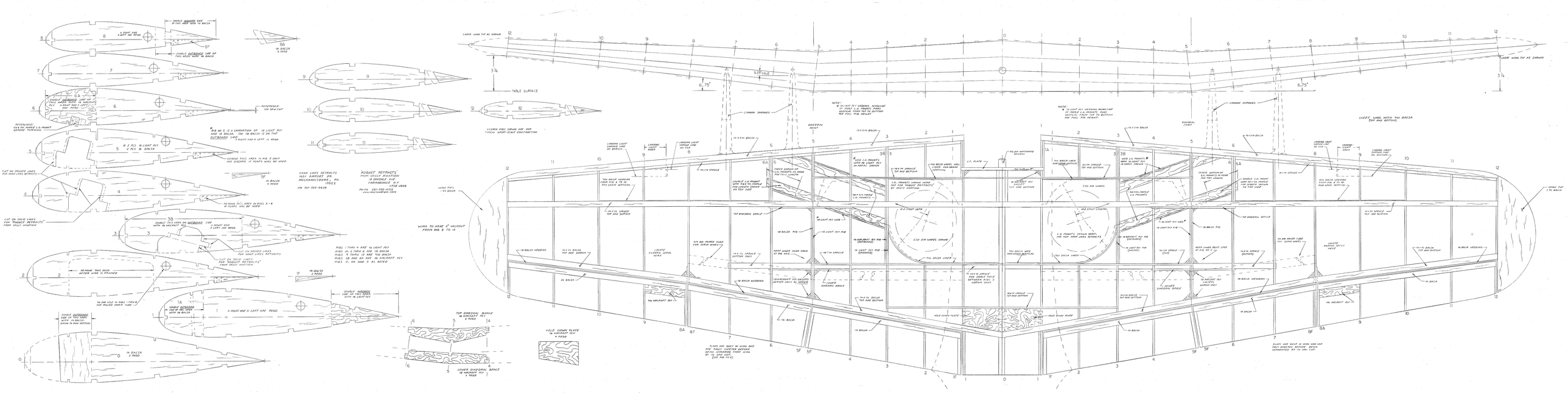
DOUBLE BRACED SIDE OF TWO RIBS WITH 1/8 BALSA
A RIGHT AND A LEFT 1/8" PLYWOOD
DOUBLE OUTBRACED SIDE OF TWO RIBS WITH 1/8 BALSA
REFERENCE: USE SAW CUT
RIB NO 5 IS A LAMINATION OF 1/8 LIGHT PLY AND 1/8 BALSA. THE 1/8 BALSA IS ON THE OUTBOARD SIDE
A RIGHT AND A LEFT 1/8" PLYWOOD
REFERENCE: USE TO MARK C.G. MOUNT BEFORE TAPERING
4 PCS 1/8 LIGHT PLY 3 PCS 1/8 BALSA
FINISH THIS AREA IN RIBS 2-4 IF FLAPS WILL BE USED
CUT ON DASHED LINES FOR HANK LIRS RETRACTS
CUT ON SOLID LINES FOR "ROBUST RETRACTS" FROM VALLY AVIATION
REMOVE THIS AREA AFTER WING IS FINISHED
1/4 DIA HOLE IN RIBS 1 THRU 8 FOR RUBBER SHOCK TUBE
DOUBLE OUTBRACED SIDE OF TWO RIBS WITH 1/8 BALSA
1/8 BALSA 2 REQD
DOUBLE OUTBRACED SIDE OF TWO RIBS WITH 1/8 BALSA GRAIN TO RUN VERTICAL
1/8 BALSA 2 REQD
RIB 1 THRU 9 ARE 1/8 LIGHT PLY
RIBS 1A, 2 THRU 8 ARE 1/8 BALSA
RIBS 9 THRU 12 ARE 1/8 BALSA
RIBS 1B AND 8A ARE 1/8 AIRCRAFT PLY
RIBS 1, 1A, 8A AND 9 ALL MATED
HANK LIRS RETRACTS
1651 AIRPORT DR.
MECHANICSBURG, PA. 17055
PH 717-732-0636
ROBUST RETRACTS
FROM VALLY AVIATION
18 CHOKLE AVE
FARMINGDALE, NY 11735-2838
PH #1 631-752-9715
WWW.VALLYAIRPLANE.COM
TOP DIHEDRAL BRACE 1/8 AIRCRAFT PLY 3 REQD
LOWER DIHEDRAL BRACE 1/8 AIRCRAFT PLY 1 REQD
HOLD DOWN PLATE 1/8 AIRCRAFT PLY 4 REQD
SLIGHT WING TIP AS SHOWN
3/4
6.75"
TABLE SURFACE
CANNON SHROUDS
ALLEVON HORN SHOWN HERE FOR TYPICAL SHORT-SCRAP CONSTRUCTION
NOTE: 1/8 LIGHT PLY WEBBING REINFORCE AT THREE L.G. MOUNTS RUNS VERTICAL FROM TOP TO BOTTOM THE FULL RIB HEIGHT
DIHEDRAL JOINT
1/8 X 3/4 BALSA
LANDING LIGHT UNDER LINE ON BOTTOM
LANDING LIGHT SUPPLY LINE IN 18
LANDING LIGHT AREA
1/8 X 3/4 SPACE
C.G. MARK
THREE SURFACE OF L.G. MOUNTS AS READ FOR FULL LENGTH
DOUBLE L.G. MOUNT WITH 1/8 LIGHT PLY FOR LOWER SURFACE ON THE SIDE
1/8 X 3/4 INSIDE L.G. MOUNTS
1/8 BALSA WEBBING
1/8 X 3/4 SPACE TOP AND BOTTOM
TOP DIHEDRAL BRACE
1/8 LIGHT PLY WEB
1/8 BALSA RIB
1/8 LIGHT PLY RIB
1/8 X 1/4 SPACE
KEEP LOWER REAR SPAR AT 90 DEG
1/4 X 1/4 SPACE BOTTOM ONLY
1/8 LIGHT PLY RIB (SHEARING)
1/8 BALSA WEBBING
TRANSPARENT PLY GUSSET BOTTOM ONLY AS SHOWN
LOWER DIHEDRAL BRACE
1/8 X 1/2 BALSA TOP AND BOTTOM
1/8 AIRCRAFT PLY
1/8 BALSA
FLAPS ARE BUILT IN WING AND ARE FULLY DIVETED BEFORE BEING SEPARATED FROM WING BY 1/8 SAW CUT. (LEFT SIDE VIEW)
HOLD DOWN PLATE 1/8 AIRCRAFT PLY 4 REQD
NOTE: 1/8 LIGHT PLY WEBBING ALIGNMENT OF THREE L.G. MOUNTS RUNS VERTICAL FROM TOP TO BOTTOM THE FULL RIB HEIGHT.
CANNON SHROUDS
SLIGHT WING TIP AS SHOWN
SHEET WING WITH 1/16 BALSA (TOP AND BOTTOM)
1/16 X 3/4 BALSA
LANDING LIGHT SUPPLY LINE ON TOP
LANDING LIGHT AREA
LANDING LIGHT SUPPLY LINE ON BOTTOM
1/16 X 3/4 SPACE
1/16 BALSA WEBBING TOP AND BOTTOM
1/8 X 3/4 BALSA
1/8 X 3/4 SPACE
1/8 LIGHT PLY WEB
1/8 BALSA RIB
1/8 LIGHT PLY RIB
1/8 X 1/4 SPACE
KEEP LOWER REAR SPAR AT 90 DEG
1/4 X 1/4 SPACE BOTTOM ONLY
1/8 LIGHT PLY RIB (SHEARING)
1/8 BALSA WEBBING
1/8 X 1/2 BALSA TOP AND BOTTOM
1/8 AIRCRAFT PLY
1/8 BALSA
FLAPS ARE BUILT IN WING AND ARE FULLY DIVETED BEFORE BEING SEPARATED BY 1/8 SAW CUT.