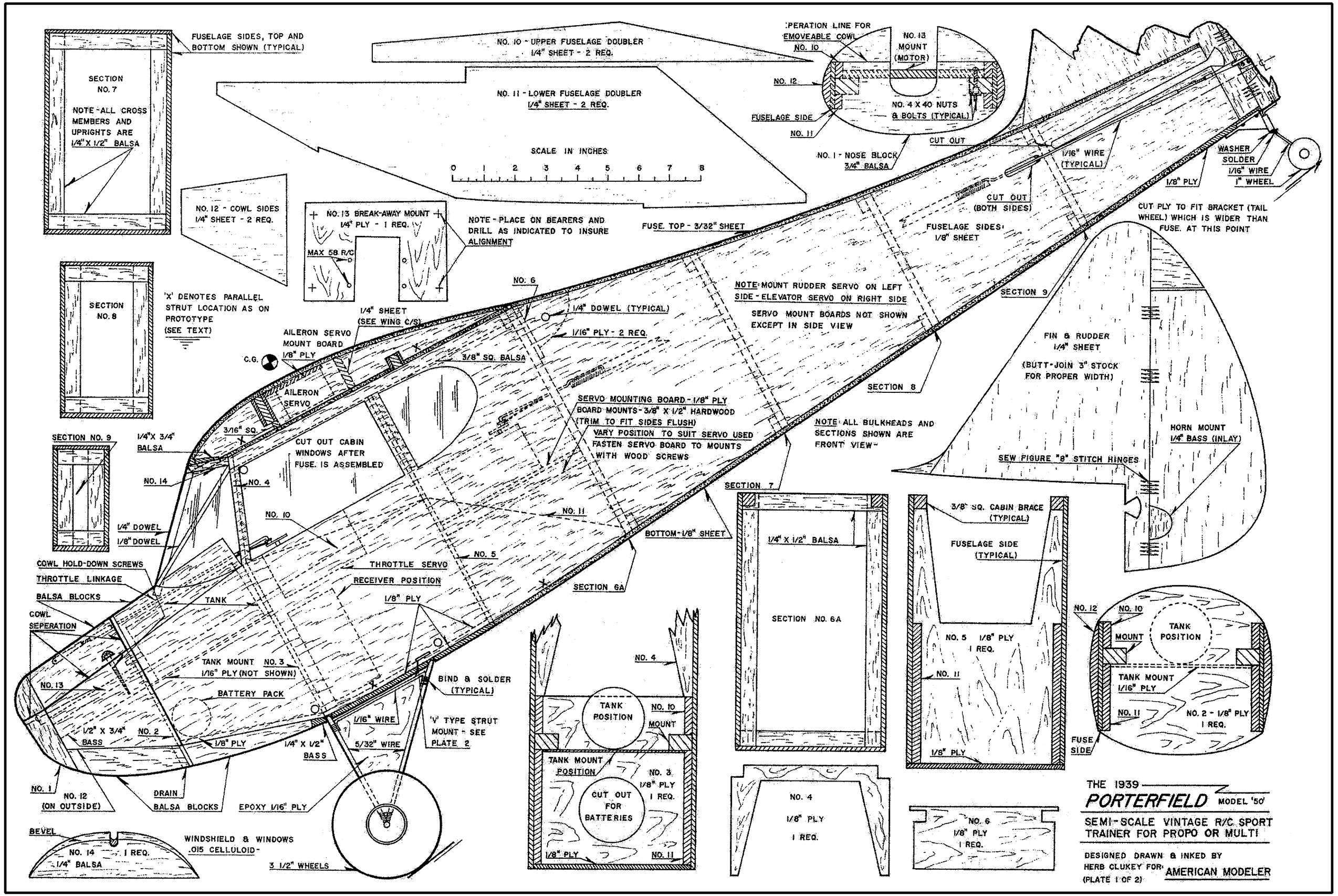
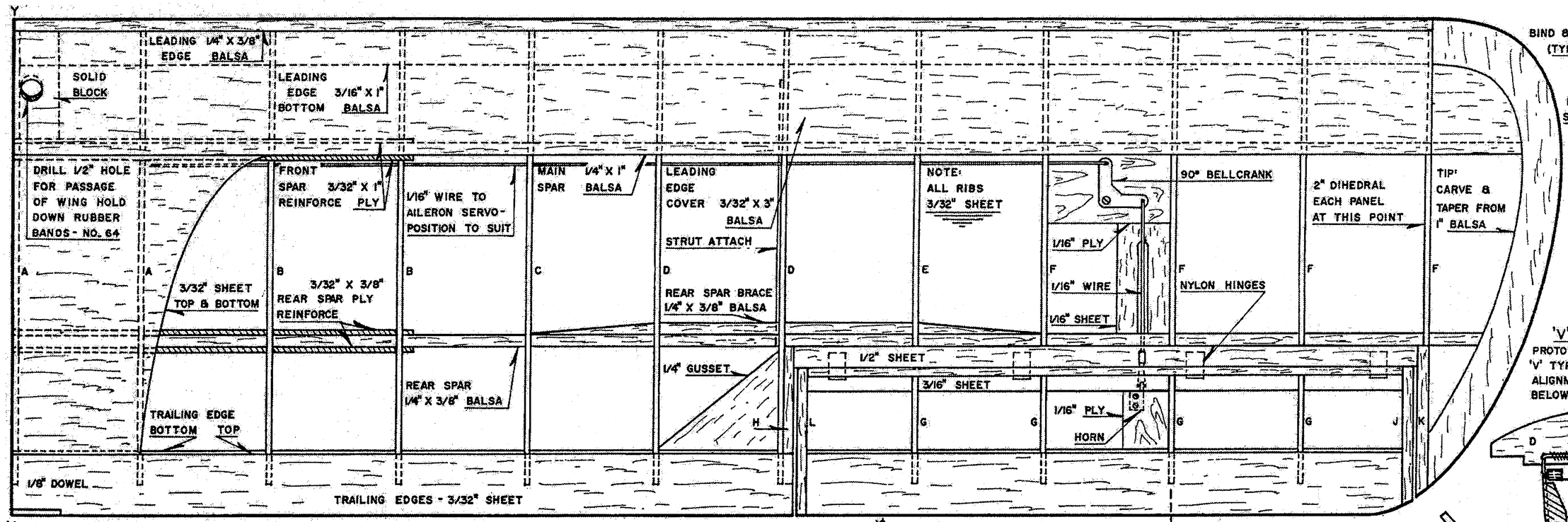
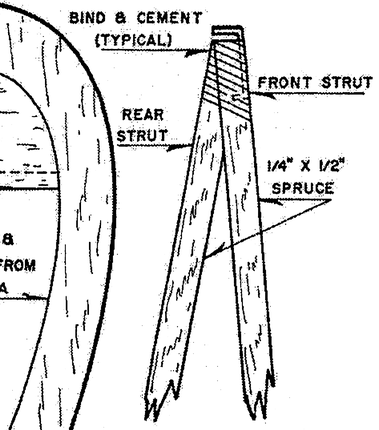

FUSELAGE SIDES, TOP AND BOTTOM SHOWN (TYPICAL)
SECTION NO. 7
NOTE - ALL CROSS MEMBERS AND UPRIGHTS ARE 1/4" X 1/2" BALSA
NO. 10 - UPPER FUSELAGE DOUBLER 1/4" SHEET - 2 REQ.
NO. 11 - LOWER FUSELAGE DOUBLER 1/4" SHEET - 2 REQ.
SCALE IN INCHES
0 1 2 3 4 5 6 7 8
OPERATION LINE FOR EMOVEABLE COWL
NO. 10
NO. 13 MOUNT (MOTOR)
NO. 12
NO. 4 X 40 NUTS & BOLTS (TYPICAL)
FUSELAGE SIDE
NO. 11
CUT OUT
NO. 1 - NOSE BLOCK 3/4" BALSA
1/16" WIRE (TYPICAL)
WASHER
SOLDER
1/16" WIRE
1" WHEEL
1/8" PLY
NO. 12 - COWL SIDES 1/4" SHEET - 2 REQ.
NO. 13 BREAK-AWAY MOUNT 1/4" PLY - 1 REQ.
MAX 58 R/C
NOTE - PLACE ON BEARERS AND DRILL AS INDICATED TO INSURE ALIGNMENT
FUSE. TOP - 3/32" SHEET
CUT OUT (BOTH SIDES)
FUSELAGE SIDES: 1/8" SHEET
CUT PLY TO FIT BRACKET (TAIL WHEEL) WHICH IS WIDER THAN FUSE. AT THIS POINT
SECTION NO. 8
'X' DENOTES PARALLEL STRUT LOCATION AS ON PROTOTYPE (SEE TEXT)
NO. 6
1/4" DOWEL (TYPICAL)
1/4" SHEET (SEE WING C/S)
1/16" PLY - 2 REQ.
NOTE: MOUNT RUDDER SERVO ON LEFT SIDE - ELEVATOR SERVO ON RIGHT SIDE
SERVO MOUNT BOARDS NOT SHOWN EXCEPT IN SIDE VIEW
SECTION 9
AILERON SERVO MOUNT BOARD 1/8" PLY
C.G.
3/8" SQ. BALSA
AILERON SERVO
SERVO MOUNTING BOARD - 1/8" PLY
BOARD MOUNTS - 3/8" X 1/2" HARDWOOD (TRIM TO FIT SIDES FLUSH)
VARY POSITION TO SUIT SERVO USED
FASTEN SERVO BOARD TO MOUNTS WITH WOOD SCREWS
SECTION 8
FIN & RUDDER 1/4" SHEET
(BUTT-JOIN 3" STOCK FOR PROPER WIDTH)
SECTION NO. 9
1/4" X 3/4" BALSA
3/16" SQ.
CUT OUT CABIN WINDOWS AFTER FUSE. IS ASSEMBLED
NOTE: ALL BULKHEADS AND SECTIONS SHOWN ARE FRONT VIEW -
HORN MOUNT 1/4" BASS (INLAY)
SEW FIGURE "8" STITCH HINGES
NO. 14
NO. 4
SECTION 7
NO. 10
NO. 11
1/4" DOWEL
1/8" DOWEL
BOTTOM - 1/8" SHEET
3/8" SQ. CABIN BRACE (TYPICAL)
1/4" X 1/2" BALSA
FUSELAGE SIDE (TYPICAL)
NO. 5
THROTTLE SERVO
RECEIVER POSITION
SECTION 6A
COWL HOLD-DOWN SCREWS
THROTTLE LINKAGE
BALSA BLOCKS
TANK
1/8" PLY
COWL SEPERATION
SECTION NO. 6A
NO. 5 1/8" PLY 1 REQ.
NO. 12
NO. 10
MOUNT
TANK POSITION
TANK MOUNT NO. 3 1/16" PLY (NOT SHOWN)
NO. 13
BATTERY PACK
BIND & SOLDER (TYPICAL)
NO. 4
TANK POSITION
NO. 10 MOUNT
NO. 11
TANK MOUNT 1/16" PLY
1/16" WIRE
'V' TYPE STRUT MOUNT - SEE PLATE 2
1/2" X 3/4" BASS
NO. 2
1/8" PLY
1/4" X 1/2" BASS
5/32" WIRE
TANK MOUNT POSITION
NO. 3 1/8" PLY 1 REQ.
CUT OUT FOR BATTERIES
NO. 11
NO. 2 - 1/8" PLY 1 REQ.
FUSE SIDE
NO. 1
NO. 12 (ON OUTSIDE)
DRAIN
BALSA BLOCKS
EPOXY 1/16" PLY
NO. 4 1/8" PLY 1 REQ.
NO. 6 1/8" PLY 1 REQ.
BEVEL
NO. 14 1 REQ. 1/4" BALSA
WINDSHIELD & WINDOWS .015 CELLULOID -
3 1/2" WHEELS
THE 1939 PORTERFIELD MODEL '50'
SEMI-SCALE VINTAGE R/C SPORT TRAINER FOR PROPO OR MULTI
DESIGNED DRAWN & INKED BY HERB CLUKEY FOR AMERICAN MODELER
(PLATE 1 OF 2)

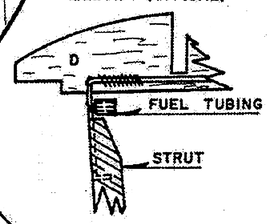


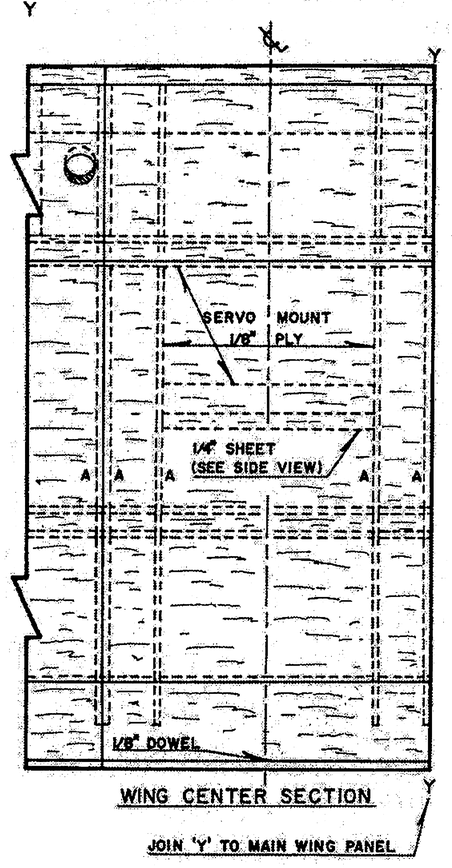
NOTE: REVERSE PLAN TO OBTAIN LEFT WING PANEL



'V' TYPE WING STRUTS

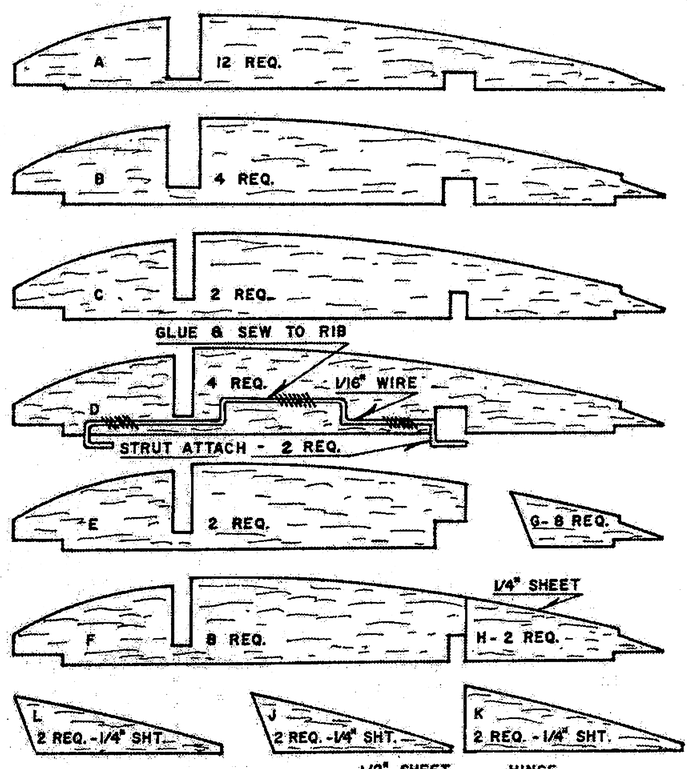
PROTOTYPE HAD PARALLEL STRUTS- 'V' TYPE SHOWN FOR EASE OF ALIGNMENT - ATTACH AS INDICATED BELOW - (TYPICAL)

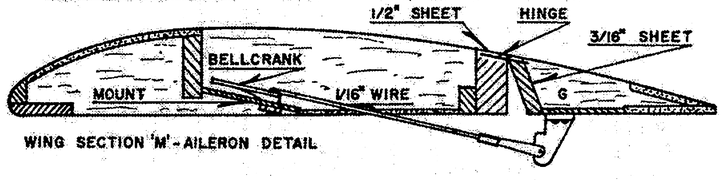




WING CENTER SECTION

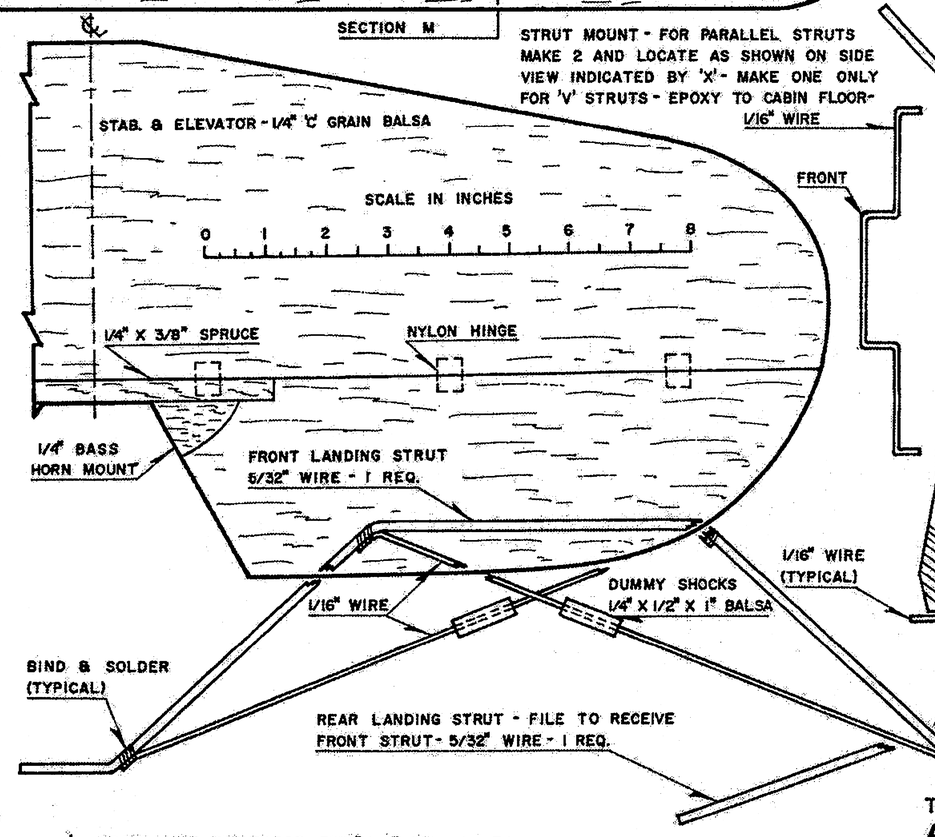
NOTE: ALL MAIN WING NOMENCLATURE APPLIES TO CENTER SECTION-



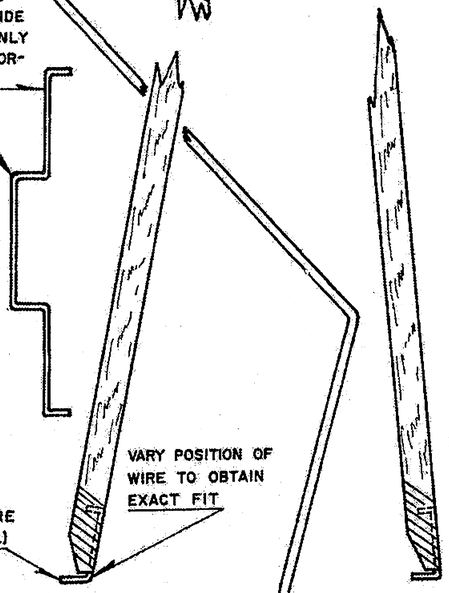


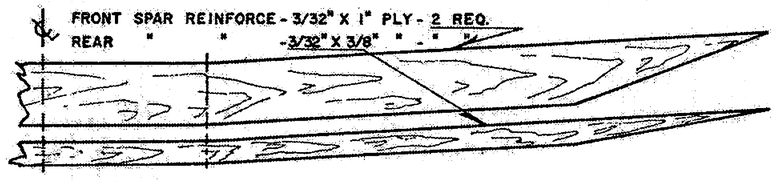
WING SECTION 'M' - AILERON DETAIL

SECTION M



STRUT MOUNT - FOR PARALLEL STRUTS MAKE 2 AND LOCATE AS SHOWN ON SIDE VIEW INDICATED BY 'X' - MAKE ONE ONLY FOR 'V' STRUTS - EPOXY TO CABIN FLOOR-





THE 1939 **PORTERFIELD** MODEL '50'

SEMI-SCALE VINTAGE R/C SPORT TRAINER FOR PROPO OR MULTI.

DESIGNED DRAWN & INKED BY HERB CLUKEY FOR: AMERICAN MODELER

(PLATE 2 OF 2)