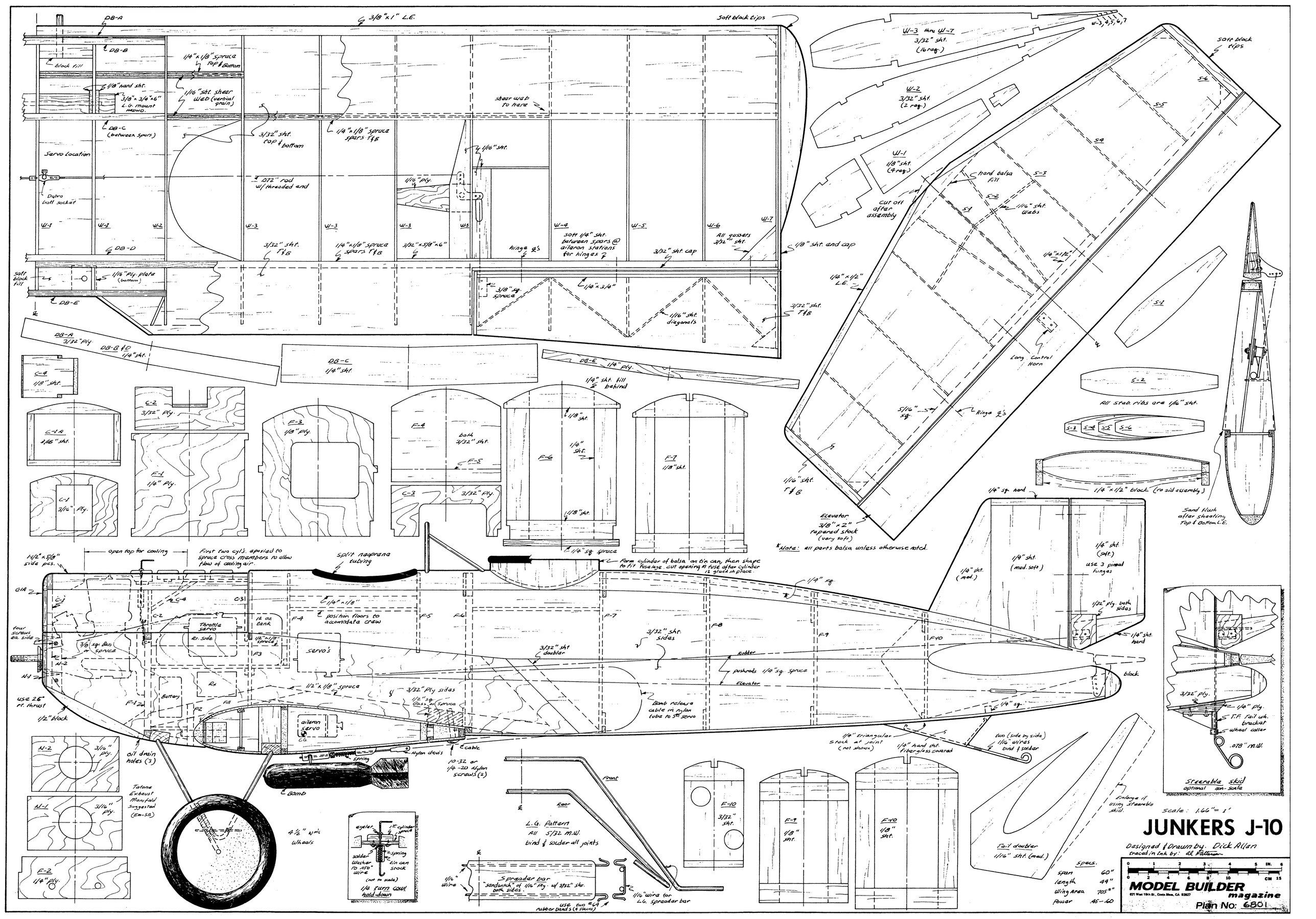
DB-A
3/8" x 1" L.E.
Soft block tips
DB-B
Block fill
1/4" x 1/8" spruce top & bottom
1/8" hard sht.
3/8" x 3/4" x 6" L.G. mount mahog.
1/16" sht. shear web (vertical grain)
shear web to here
DB-C (between spars)
3/32" sht. top & bottom
1/4" x 1/8" spruce spars T&B
Servo location
1/16" sht.
.072" rod w/ threaded end
1/16" ply.
Dubro ball socket
W-1
W-2
W-3
W-4
W-5
W-6
W-7
DB-D
3/32" sht. T&B
1/4" x 1/8" spruce spars T&B
3/32" x 5/8" x 6"
hinge ℄'s
soft 1/4" sht. between spars @ aileron stations for hinges
3/32" sht. cap
All gussets 3/32" sht.
1/8" sht. end cap
soft block fill
1/16" ply. plate (bottom)
DB-E
3/8" sq. spruce
1/4" x 3/4"
1/16" sht. diagonals
3/32" sht. T&B
DB-A 3/32" Ply
DB-B & D 1/4" sht.
DB-C 1/4" sht.
DB-E 1/4" ply.
1/4" sht. fill behind
C-4 1/8" sht.
C-2 3/32" Ply.
C-1A 3/16" sht.
C-1 3/16" Ply.
F-1 1/4" Ply.
F-3 1/8" ply.
F-4 both 3/32" sht.
F-5
C-3 3/32" Ply.
F-6 1/4" sht.
1/8" sht.
1/4" sq. spruce
F-7 1/8" sht.
W-3 thru W-7 3/32" sht. (16 req.)
W-2 3/32" sht. (2 req.)
W-1 1/8" sht. (4 req.)
cut off after assembly
hard balsa fill
1/16" sht. webs
1/4" x 1/2" L.E.
5/16" sq.
hinge ℄'s
1/16" sht. T&B
Elevator 3/8" x 2" tapered stock (very soft)
*Note: all parts balsa unless otherwise noted.
S-1
S-2
S-3
S-4
S-5
S-6
Long Control Horn
All stab. ribs are 1/16" sht.
1/4" x 1/2" block (to aid assembly)
Sand flush after sheeting Top & Bottom L.E.
1/4" sq. hard
1/4" sht. (med. soft)
1/4" sht. (med.)
1/4" sht. (soft)
use 3 piano hinges
1/32" ply both sides
1/4" sht. hard
open top for cooling
First two cyl's. spaced to spruce cross members to allow flow of cooling air.
split neoprene tubing
Form cylinder of balsa on tin can, then shape to fit fuselage. cut opening in fuse after cylinder is glued in place.
1 1/2" x 5/8" side pcs.
G10
four screws ea. side
3/8" sq. Bass or spruce
N-2
N-1
use 25° rt. thrust
1/2" block
C-1
C-4
C-2
C-3
Throttle servo
lt. side
rt. side
12 oz. tank
1/2" x 1/8" spruce
F-3
F-4
F-5
F-6
F-7
F-8
F-9
F-10
1/4" x 1/8"
position floors to accomodate crew
servo's
3/32" sht sides
3/32" sht doubler
Rudder
pushrods 1/4" sq. spruce
Elevator
block
Rx
Battery
Fill
F-1
F-2
1/2" x 1/8" spruce
3/32" Ply sides
1/2" sq. Bass or spruce
aileron servo
C.G.
Bomb release cable in nylon tube to 5th servo
1/4" sq.
1/4" triangular stock at joint (not shown)
1/4" hard sht. fiberglass covered
two (side by side) 1/16" wires bind & solder
oil drain holes (3)
Nylon clevis
cable
10-32 or 1/4-20 Nylon screws (2)
spring
Bomb
N-2 3/16" Ply.
N-1 3/16" Ply.
F-2 1/4" Ply.
Talone Exhaust Manifold Suggested (Em-Sn)
4 1/2" Nitic Wheels
eyelet
1/8" cylinder spring
solder washer to wire
2 spring
tin can stock
(not to scale)
1/4 turn cowl hold-down
L.G. Pattern
All 5/32 M.W.
bind & solder all joints
Front
Rear
Spreader bar "sandwich" of 1/16" Ply. w/ 3/32" sht. both sides.
1/16" wire
1/16" wire for L.G. spreader bar
use two #64 rubber bands (4 places)
F-10 3/32" sht.
F-9 1/8" sht.
F-10 1/8" sht.
Tail doubler 1/16" sht. (med.)
Enlarge if using Steerable skid.
3/32" ply.
1/4" ply.
T.F. tail wh. bracket
wheel collar
.078" M.W.
Steerable skid optional non-scale
Scale: 1.66" = 1'
JUNKERS J-10
Designed & Drawn by: Dick Allen
traced in ink by: Al Pattman
specs.
span 60"
length 44"
Wing Area 705 sq"
power .45-.60
MODEL BUILDER magazine
821 West 19th St., Costa Mesa, CA 92627
Plan No: 6801