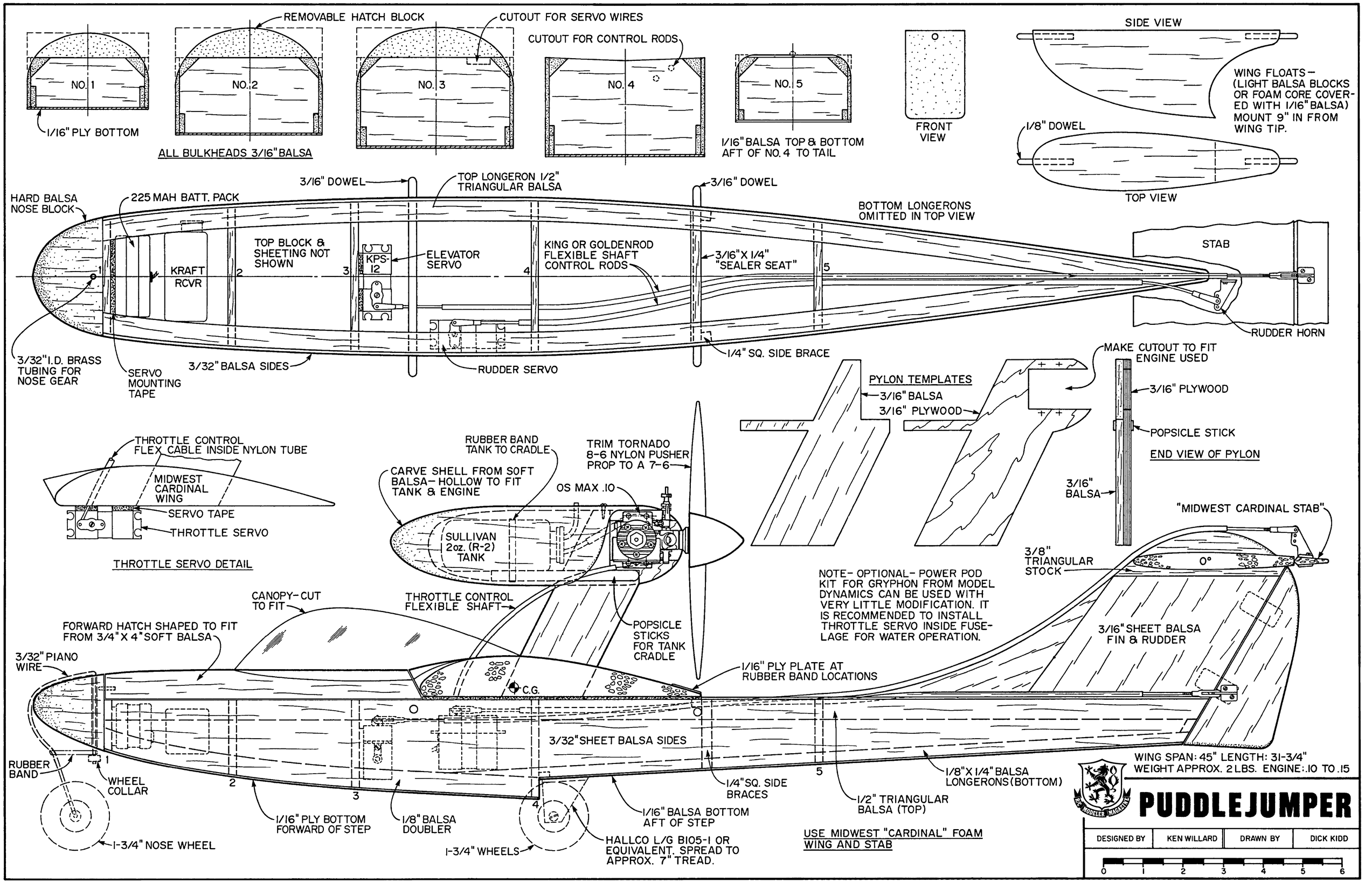
NO. 1
1/16" PLY BOTTOM
REMOVABLE HATCH BLOCK
NO. 2
ALL BULKHEADS 3/16" BALSA
CUTOUT FOR SERVO WIRES
NO. 3
CUTOUT FOR CONTROL RODS
NO. 4
NO. 5
1/16" BALSA TOP & BOTTOM AFT OF NO. 4 TO TAIL
FRONT VIEW
SIDE VIEW
WING FLOATS – (LIGHT BALSA BLOCKS OR FOAM CORE COVERED WITH 1/16" BALSA) MOUNT 9" IN FROM WING TIP.
1/8" DOWEL
TOP VIEW
HARD BALSA NOSE BLOCK
225 MAH BATT. PACK
3/16" DOWEL
TOP LONGERON 1/2" TRIANGULAR BALSA
3/16" DOWEL
BOTTOM LONGERONS OMITTED IN TOP VIEW
KRAFT RCVR
TOP BLOCK & SHEETING NOT SHOWN
KPS-12
ELEVATOR SERVO
KING OR GOLDENROD FLEXIBLE SHAFT CONTROL RODS
3/16" X 1/4" "SEALER SEAT"
STAB
RUDDER HORN
3/32" I.D. BRASS TUBING FOR NOSE GEAR
SERVO MOUNTING TAPE
3/32" BALSA SIDES
RUDDER SERVO
1/4" SQ. SIDE BRACE
PYLON TEMPLATES
3/16" BALSA
3/16" PLYWOOD
MAKE CUTOUT TO FIT ENGINE USED
3/16" PLYWOOD
POPSICLE STICK
END VIEW OF PYLON
3/16" BALSA
THROTTLE CONTROL FLEX CABLE INSIDE NYLON TUBE
MIDWEST CARDINAL WING
SERVO TAPE
THROTTLE SERVO
THROTTLE SERVO DETAIL
RUBBER BAND TANK TO CRADLE
TRIM TORNADO 8-6 NYLON PUSHER PROP TO A 7-6
CARVE SHELL FROM SOFT BALSA – HOLLOW TO FIT TANK & ENGINE
OS MAX .10
SULLIVAN 2oz. (R-2) TANK
"MIDWEST CARDINAL STAB"
3/8" TRIANGULAR STOCK
NOTE – OPTIONAL – POWER POD KIT FOR GRYPHON FROM MODEL DYNAMICS CAN BE USED WITH VERY LITTLE MODIFICATION. IT IS RECOMMENDED TO INSTALL THROTTLE SERVO INSIDE FUSELAGE FOR WATER OPERATION.
CANOPY – CUT TO FIT
THROTTLE CONTROL FLEXIBLE SHAFT
FORWARD HATCH SHAPED TO FIT FROM 3/4" X 4" SOFT BALSA
3/32" PIANO WIRE
POPSICLE STICKS FOR TANK CRADLE
3/16" SHEET BALSA FIN & RUDDER
1/16" PLY PLATE AT RUBBER BAND LOCATIONS
C.G.
3/32" SHEET BALSA SIDES
RUBBER BAND
WHEEL COLLAR
1/16" PLY BOTTOM FORWARD OF STEP
1/8" BALSA DOUBLER
1-3/4" NOSE WHEEL
1-3/4" WHEELS
HALLCO L/G B105-1 OR EQUIVALENT. SPREAD TO APPROX. 7" TREAD.
1/16" BALSA BOTTOM AFT OF STEP
1/4" SQ. SIDE BRACES
1/2" TRIANGULAR BALSA (TOP)
1/8" X 1/4" BALSA LONGERONS (BOTTOM)
USE MIDWEST "CARDINAL" FOAM WING AND STAB
WING SPAN: 45" LENGTH: 31-3/4"
WEIGHT APPROX. 2 LBS. ENGINE: .10 TO .15
PUDDLEJUMPER
DESIGNED BY
KEN WILLARD
DRAWN BY
DICK KIDD
0 1 2 3 4 5 6