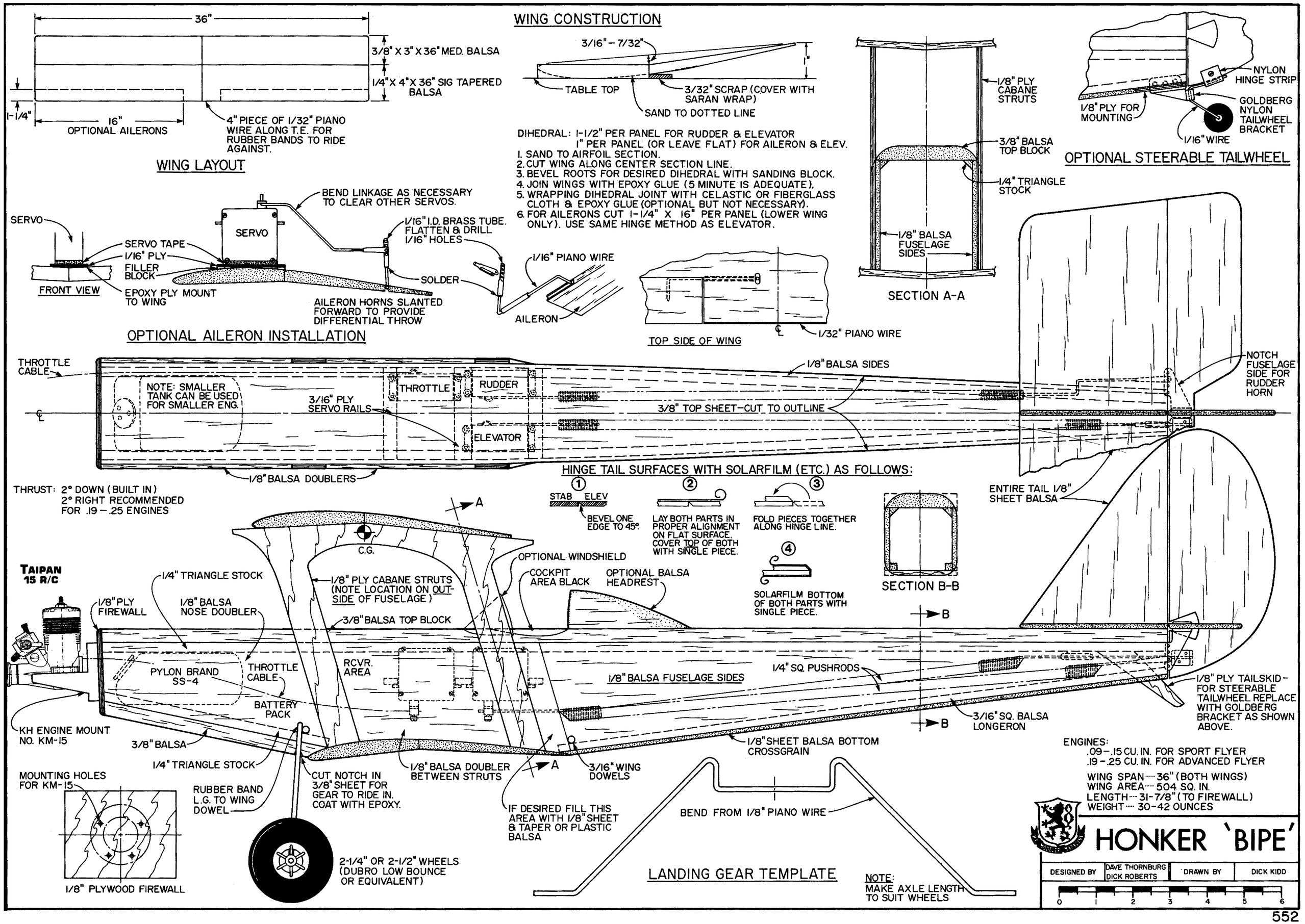
36"
3/8" X 3" X 36" MED. BALSA
1/4" X 4" X 36" SIG TAPERED BALSA
1-1/4"
16"
OPTIONAL AILERONS
4" PIECE OF 1/32" PIANO WIRE ALONG T.E. FOR RUBBER BANDS TO RIDE AGAINST.
WING LAYOUT
WING CONSTRUCTION
3/16" - 7/32"
1"
TABLE TOP
3/32" SCRAP (COVER WITH SARAN WRAP)
SAND TO DOTTED LINE
DIHEDRAL: 1-1/2" PER PANEL FOR RUDDER & ELEVATOR
1" PER PANEL (OR LEAVE FLAT) FOR AILERON & ELEV.
1. SAND TO AIRFOIL SECTION.
2. CUT WING ALONG CENTER SECTION LINE.
3. BEVEL ROOTS FOR DESIRED DIHEDRAL WITH SANDING BLOCK.
4. JOIN WINGS WITH EPOXY GLUE (5 MINUTE IS ADEQUATE).
5. WRAPPING DIHEDRAL JOINT WITH CELASTIC OR FIBERGLASS CLOTH & EPOXY GLUE (OPTIONAL BUT NOT NECESSARY).
6. FOR AILERONS CUT 1-1/4" X 16" PER PANEL (LOWER WING ONLY). USE SAME HINGE METHOD AS ELEVATOR.
1/8" PLY CABANE STRUTS
3/8" BALSA TOP BLOCK
1/4" TRIANGLE STOCK
1/8" BALSA FUSELAGE SIDES
SECTION A-A
NYLON HINGE STRIP
GOLDBERG NYLON TAILWHEEL BRACKET
1/8" PLY FOR MOUNTING
1/16" WIRE
OPTIONAL STEERABLE TAILWHEEL
SERVO
BEND LINKAGE AS NECESSARY TO CLEAR OTHER SERVOS.
SERVO
SERVO TAPE
1/16" PLY
FILLER BLOCK
FRONT VIEW
EPOXY PLY MOUNT TO WING
1/16" I.D. BRASS TUBE. FLATTEN & DRILL 1/16" HOLES
SOLDER
AILERON HORNS SLANTED FORWARD TO PROVIDE DIFFERENTIAL THROW
1/16" PIANO WIRE
AILERON
OPTIONAL AILERON INSTALLATION
TOP SIDE OF WING
1/32" PIANO WIRE
THROTTLE CABLE
NOTE: SMALLER TANK CAN BE USED FOR SMALLER ENG.
3/16" PLY SERVO RAILS
THROTTLE
RUDDER
ELEVATOR
1/8" BALSA SIDES
3/8" TOP SHEET-CUT TO OUTLINE
NOTCH FUSELAGE SIDE FOR RUDDER HORN
1/8" BALSA DOUBLERS
THRUST: 2° DOWN (BUILT IN)
2° RIGHT RECOMMENDED FOR .19 - .25 ENGINES
HINGE TAIL SURFACES WITH SOLARFILM (ETC.) AS FOLLOWS:
1
STAB ELEV
BEVEL ONE EDGE TO 45°
2
LAY BOTH PARTS IN PROPER ALIGNMENT ON FLAT SURFACE. COVER TOP OF BOTH WITH SINGLE PIECE.
3
FOLD PIECES TOGETHER ALONG HINGE LINE.
4
SOLARFILM BOTTOM OF BOTH PARTS WITH SINGLE PIECE.
SECTION B-B
ENTIRE TAIL 1/8" SHEET BALSA
A
C.G.
OPTIONAL WINDSHIELD
COCKPIT AREA BLACK
OPTIONAL BALSA HEADREST
TAIPAN 15 R/C
1/4" TRIANGLE STOCK
1/8" PLY CABANE STRUTS (NOTE LOCATION ON OUTSIDE OF FUSELAGE)
1/8" PLY FIREWALL
1/8" BALSA NOSE DOUBLER
3/8" BALSA TOP BLOCK
B
PYLON BRAND SS-4
THROTTLE CABLE
RCVR. AREA
1/8" BALSA FUSELAGE SIDES
1/4" SQ. PUSHRODS
1/8" PLY TAILSKID - FOR STEERABLE TAILWHEEL REPLACE WITH GOLDBERG BRACKET AS SHOWN ABOVE.
BATTERY PACK
KH ENGINE MOUNT NO. KM-15
3/8" BALSA
3/16" SQ. BALSA LONGERON
1/8" SHEET BALSA BOTTOM CROSSGRAIN
1/4" TRIANGLE STOCK
CUT NOTCH IN 3/8" SHEET FOR GEAR TO RIDE IN. COAT WITH EPOXY.
1/8" BALSA DOUBLER BETWEEN STRUTS
3/16" WING DOWELS
ENGINES:
.09 - .15 CU. IN. FOR SPORT FLYER
.19 - .25 CU. IN. FOR ADVANCED FLYER
WING SPAN ..... 36" (BOTH WINGS)
WING AREA ..... 504 SQ. IN.
LENGTH ..... 31-7/8" (TO FIREWALL)
WEIGHT ..... 30-42 OUNCES
MOUNTING HOLES FOR KM-15
RUBBER BAND L.G. TO WING DOWEL
IF DESIRED FILL THIS AREA WITH 1/8" SHEET & TAPER OR PLASTIC BALSA
BEND FROM 1/8" PIANO WIRE
1/8" PLYWOOD FIREWALL
2-1/4" OR 2-1/2" WHEELS (DUBRO LOW BOUNCE OR EQUIVALENT)
LANDING GEAR TEMPLATE
NOTE: MAKE AXLE LENGTH TO SUIT WHEELS
HONKER 'BIPE'
DESIGNED BY
DAVE THORNBURG
DICK ROBERTS
DRAWN BY
DICK KIDD
0 1 2 3 4 5 6