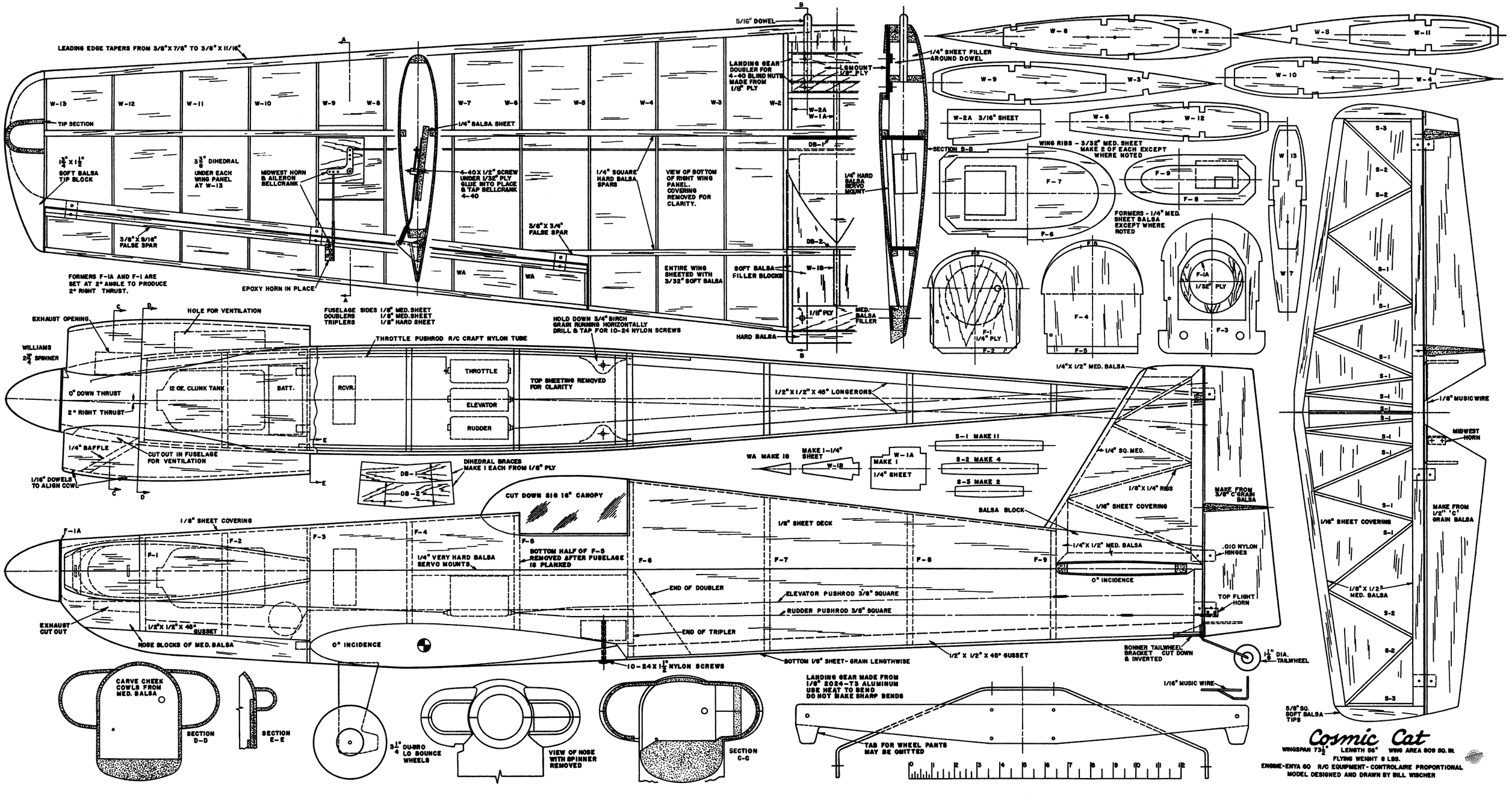
LEADING EDGE TAPERS FROM 3/8"X 7/8" TO 3/8"X 11/16"
5/16" DOWEL
LANDING GEAR DOUBLER FOR 4-40 BLIND NUTS MADE FROM 1/8" PLY
L.G. MOUNT 1/8" PLY
1/4" SHEET FILLER AROUND DOWEL
W-13
W-12
W-11
W-10
W-9
W-8
W-7
W-6
W-5
W-4
W-3
W-2
W-2A
W-1A
TIP SECTION
1/4" BALSA SHEET
1 3/4" X 1 1/2" SOFT BALSA TIP BLOCK
3 3/8" DIHEDRAL UNDER EACH WING PANEL AT W-13
MIDWEST HORN & AILERON BELLCRANK
4-40 X 1/2" SCREW UNDER 1/32" PLY GLUE INTO PLACE & TAP BELLCRANK 4-40
1/4" SQUARE HARD BALSA SPARS
VIEW OF BOTTOM OF RIGHT WING PANEL. COVERING REMOVED FOR CLARITY.
DB-1
DB-2
1/4" HARD BALSA SERVO MOUNT
3/8" X 9/16" FALSE SPAR
3/8" X 3/4" FALSE SPAR
FORMERS F-1A AND F-1 ARE SET AT 2° ANGLE TO PRODUCE 2° RIGHT THRUST.
EPOXY HORN IN PLACE
WA
ENTIRE WING SHEETED WITH 3/32" SOFT BALSA
SOFT BALSA FILLER BLOCKS
W-1B
1/8" PLY
MED. BALSA FILLER
HARD BALSA
W-8
W-2
W-9
W-3
W-10
W-4
W-2A 3/16" SHEET
W-6
W-12
SECTION B-B
WING RIBS - 3/32" MED. SHEET MAKE 2 OF EACH EXCEPT WHERE NOTED
F-7
F-6
F-9
F-8
FORMERS - 1/4" MED. SHEET BALSA EXCEPT WHERE NOTED
W-13
W-7
F-2
F-1
1/4" PLY
F-5
F-4
F-1A
1/32" PLY
F-3
1/4"X 1/2" MED. BALSA
S-3
S-2
S-1
1/8" MUSIC WIRE
MIDWEST HORN
MAKE FROM 1/2" 'C' GRAIN BALSA
1/16" SHEET COVERING
EXHAUST OPENING
HOLE FOR VENTILATION
WILLIAMS 2 3/4" SPINNER
THROTTLE PUSHROD R/C CRAFT NYLON TUBE
FUSELAGE SIDES 1/8" MED. SHEET
DOUBLERS 1/8" MED. SHEET
TRIPLERS 1/8" HARD SHEET
HOLD DOWN 3/4" BIRCH GRAIN RUNNING HORIZONTALLY DRILL & TAP FOR 10-24 NYLON SCREWS
0° DOWN THRUST
2° RIGHT THRUST
12 OZ. CLUNK TANK
BATT.
RCVR.
THROTTLE
ELEVATOR
RUDDER
TOP SHEETING REMOVED FOR CLARITY
1/2"X 1/2" X 46" LONGERONS
1/4" BAFFLE
CUT OUT IN FUSELAGE FOR VENTILATION
1/16" DOWELS TO ALIGN COWL
DIHEDRAL BRACES MAKE 1 EACH FROM 1/8" PLY
WA MAKE 18
MAKE 1-1/4" SHEET
W-1B
W-1A MAKE 1
1/4" SHEET
S-1 MAKE 11
S-2 MAKE 4
S-3 MAKE 2
1/4" SQ. MED.
1/8" X 1/4" RIBS
MAKE FROM 3/8" 'C' GRAIN BALSA
CUT DOWN SIG 16" CANOPY
1/8" SHEET COVERING
BALSA BLOCK
1/8" SHEET DECK
F-1A
F-1
F-2
F-3
F-4
F-5
F-6
F-7
F-8
F-9
1/4" VERY HARD BALSA SERVO MOUNTS
BOTTOM HALF OF F-5 REMOVED AFTER FUSELAGE IS PLANKED
1/4"X 1/2" MED. BALSA
.010 NYLON HINGES
0° INCIDENCE
END OF DOUBLER
ELEVATOR PUSHROD 3/8" SQUARE
RUDDER PUSHROD 3/8" SQUARE
TOP FLIGHT HORN
1/8" X 1/2" MED. BALSA
EXHAUST CUT OUT
1/2" X 1/2" X 46° GUSSET
NOSE BLOCKS OF MED. BALSA
END OF TRIPLER
10-24 X 1 1/2" NYLON SCREWS
BOTTOM 1/8" SHEET- GRAIN LENGTHWISE
1/2" X 1/2" X 46° GUSSET
BONNER TAILWHEEL BRACKET CUT DOWN & INVERTED
1 1/8" DIA. TAILWHEEL
1/16" MUSIC WIRE
5/8" SQ. SOFT BALSA TIPS
CARVE CHEEK COWLS FROM MED. BALSA
SECTION D-D
SECTION E-E
3 1/4" DU-BRO LO BOUNCE WHEELS
VIEW OF NOSE WITH SPINNER REMOVED
SECTION C-C
LANDING GEAR MADE FROM 1/8" 2024-T3 ALUMINUM USE HEAT TO BEND DO NOT MAKE SHARP BENDS
TAB FOR WHEEL PANTS MAY BE OMITTED
0 1 2 3 4 5 6 7 8 9 10 11 12
Cosmic Cat
WINGSPAN 73 1/2" LENGTH 56" WING AREA 809 SQ. IN.
FLYING WEIGHT 8 LBS.
ENGINE-ENYA 60 R/C EQUIPMENT- CONTROLAIRE PROPORTIONAL
MODEL DESIGNED AND DRAWN BY BILL WISCHER