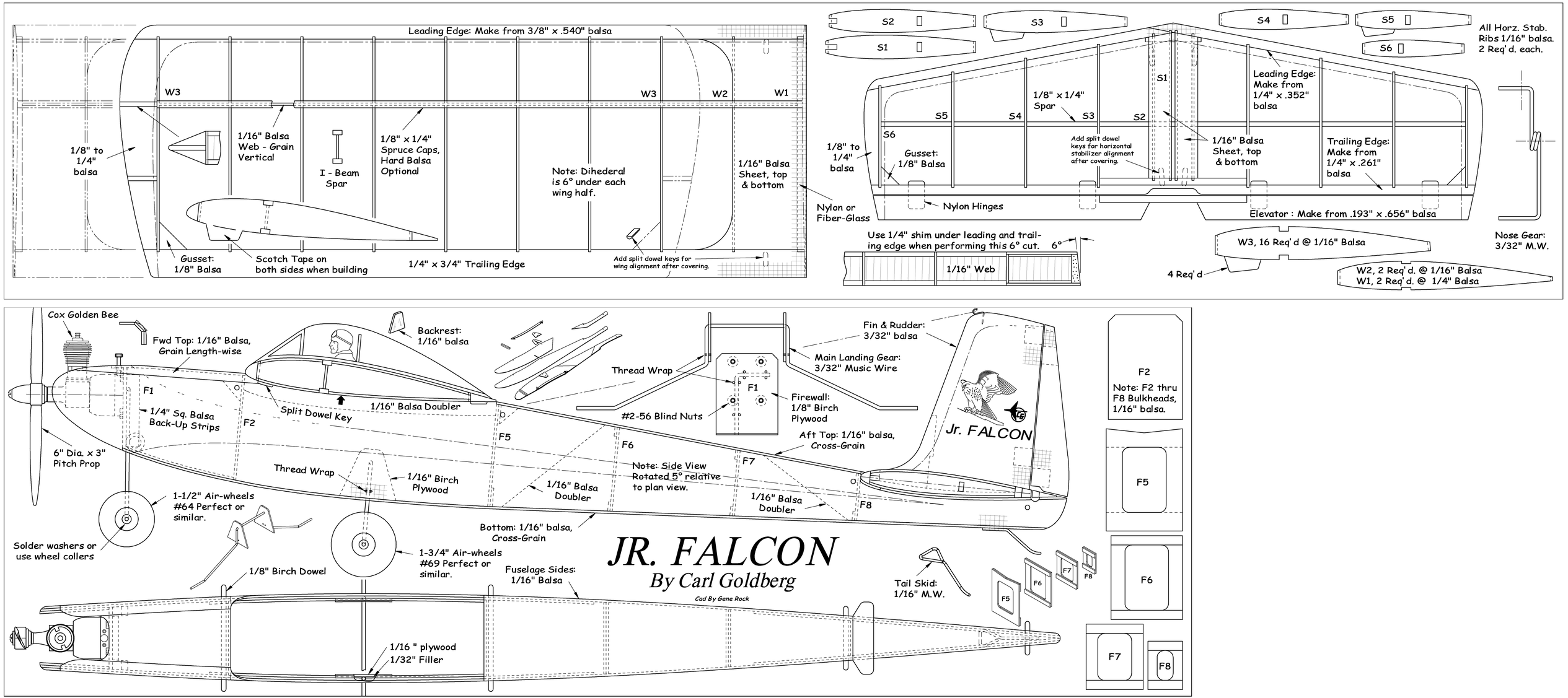
Leading Edge: Make from 3/8" x .540" balsa
W3
W3
W2
W1
1/8" to 1/4" balsa
1/16" Balsa Web - Grain Vertical
I - Beam Spar
1/8" x 1/4" Spruce Caps, Hard Balsa Optional
Note: Dihederal is 6° under each wing half.
1/16" Balsa Sheet, top & bottom
Gusset: 1/8" Balsa
Scotch Tape on both sides when building
1/4" x 3/4" Trailing Edge
Add split dowel keys for wing alignment after covering.
S2
S3
S4
S5
S1
S6
All Horz. Stab. Ribs 1/16" balsa. 2 Req'd. each.
S1
Leading Edge: Make from 1/4" x .352" balsa
1/8" x 1/4" Spar
S5
S4
S3
S2
S6
1/8" to 1/4" balsa
Gusset: 1/8" Balsa
Add split dowel keys for horizontal stabilizer alignment after covering.
1/16" Balsa Sheet, top & bottom
Trailing Edge: Make from 1/4" x .261" balsa
Nylon or Fiber-Glass
Nylon Hinges
Elevator : Make from .193" x .656" balsa
Use 1/4" shim under leading and trailing edge when performing this 6° cut.
6°
1/16" Web
W3, 16 Req'd @ 1/16" Balsa
4 Req'd
W2, 2 Req'd. @ 1/16" Balsa
W1, 2 Req'd. @ 1/4" Balsa
Nose Gear: 3/32" M.W.
Cox Golden Bee
Fwd Top: 1/16" Balsa, Grain Length-wise
Backrest: 1/16" balsa
Thread Wrap
Fin & Rudder: 3/32" balsa
Main Landing Gear: 3/32" Music Wire
F1
1/4" Sq. Balsa Back-Up Strips
F2
Split Dowel Key
1/16" Balsa Doubler
F1
Firewall: 1/8" Birch Plywood
#2-56 Blind Nuts
F5
F6
Aft Top: 1/16" balsa, Cross-Grain
Jr. FALCON
6" Dia. x 3" Pitch Prop
Thread Wrap
1/16" Birch Plywood
Note: Side View Rotated 5° relative to plan view.
1/16" Balsa Doubler
F7
1/16" Balsa Doubler
F8
1-1/2" Air-wheels #64 Perfect or similar.
Bottom: 1/16" balsa, Cross-Grain
Solder washers or use wheel collers
1-3/4" Air-wheels #69 Perfect or similar.
1/8" Birch Dowel
Fuselage Sides: 1/16" Balsa
JR. FALCON
By Carl Goldberg
Cad By Gene Rock
Tail Skid: 1/16" M.W.
1/16 " plywood
1/32" Filler
F2
Note: F2 thru F8 Bulkheads, 1/16" balsa.
F5
F6
F7
F8
F5
F6
F7
F8