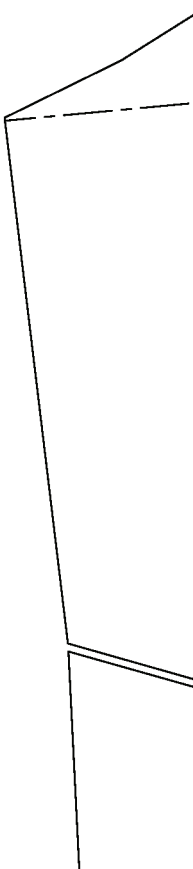
WING FILLET

Use the templates below to m

1. Wing Platform--cut from 1
   ply.
   1. Fit Platform to upper
   2. Glue the Platform to
      the Wing Saddle WS
2. Bottom--cut from 1/8" bal
   1. Epoxy to back edge
      and fuselage.
3. Side Panels--cut from 1/1
   cardstock.
   1. Wet each Panel and
   2. Work from the Rear
   3. Glue to Wing Platfor
   4. Add bracing from scr
      needed.



make the fillet parts:

1/16" balsa or 1/32"

er wing surface
o the bottom edge of
/S.
alsa
e of Wing Platform

/16" balsa or thick

d gently shape to fit.
r to the Front.
orm and fuselage.
crap balsa as

Wing Fillet Bottom

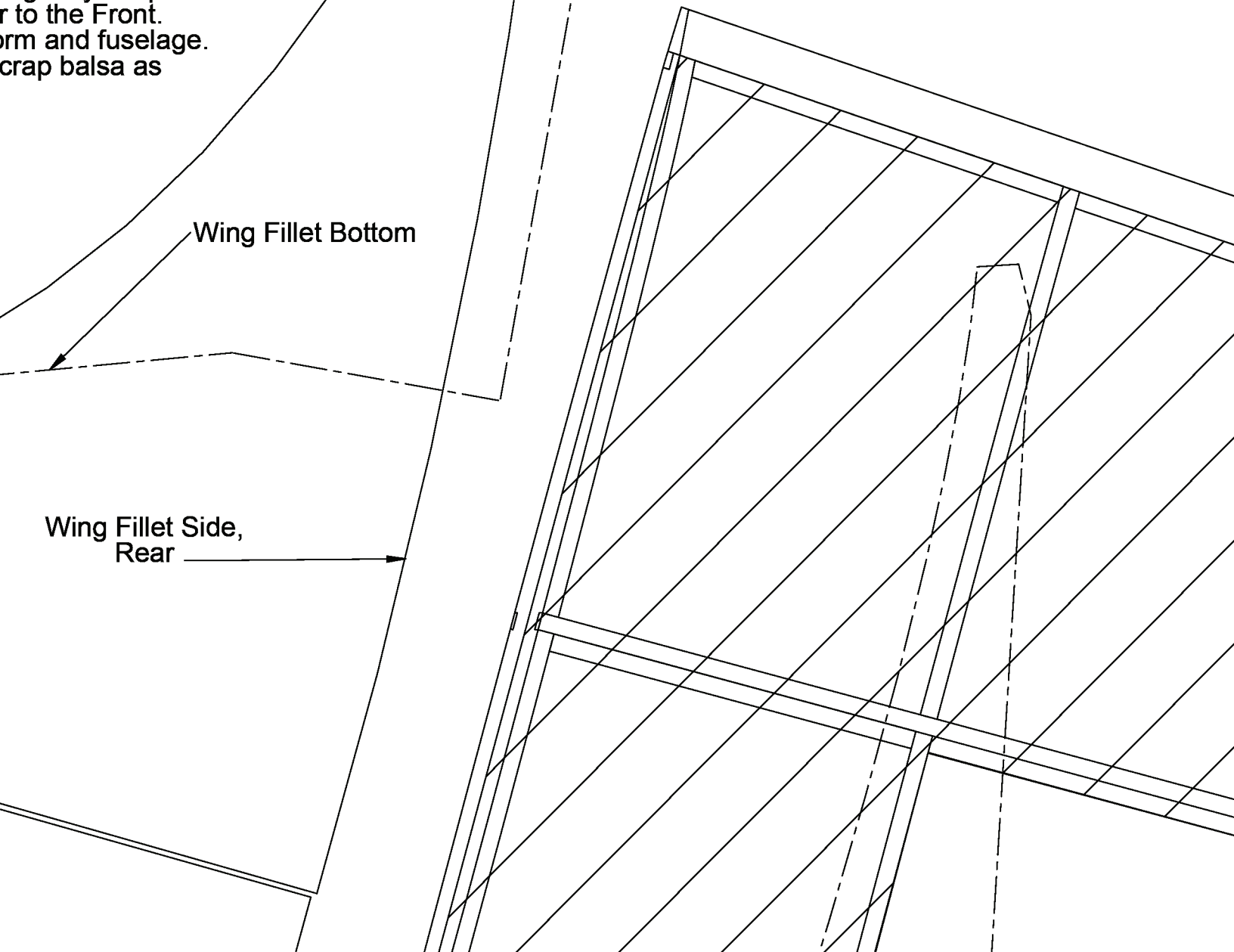
Wing Fillet Side,
Rear

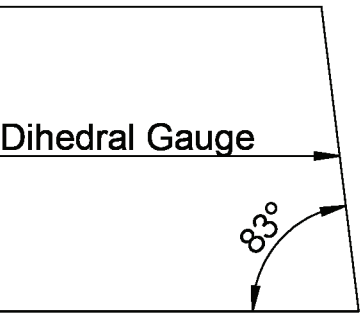
DIHEDRAL

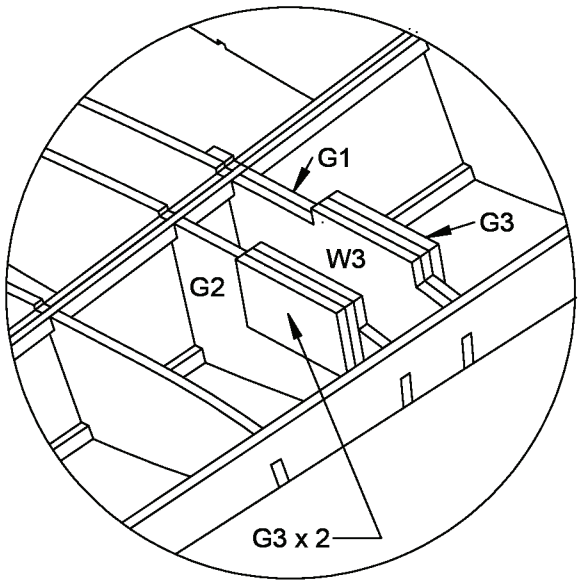
The dihedral is set by installing center wing rib W1 at the angle provided by the Dihedral Gauge.

Completed wing assembly should measure 1.9"/48mm from board to bottom of W10 when wings are level and supported by sheeted W1.

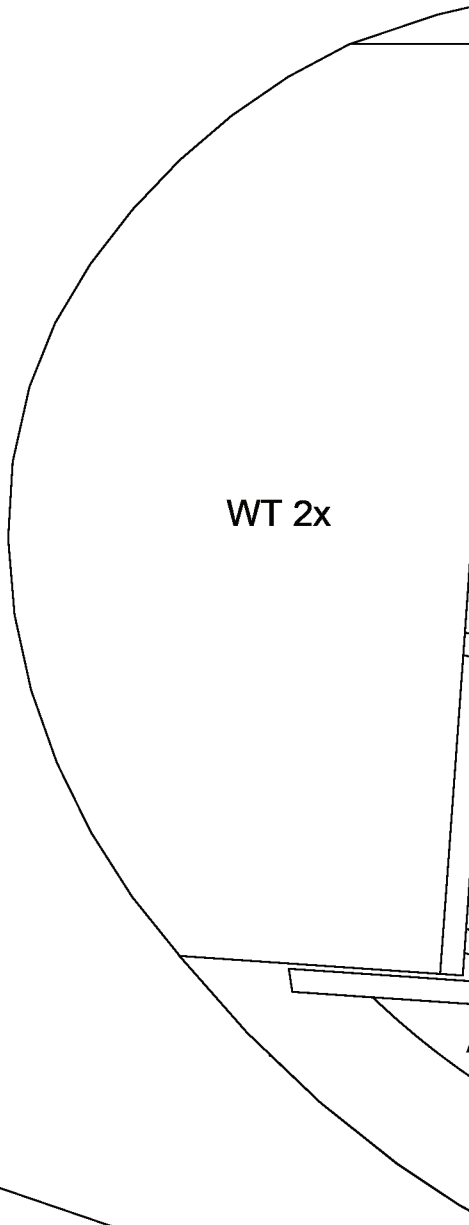
D

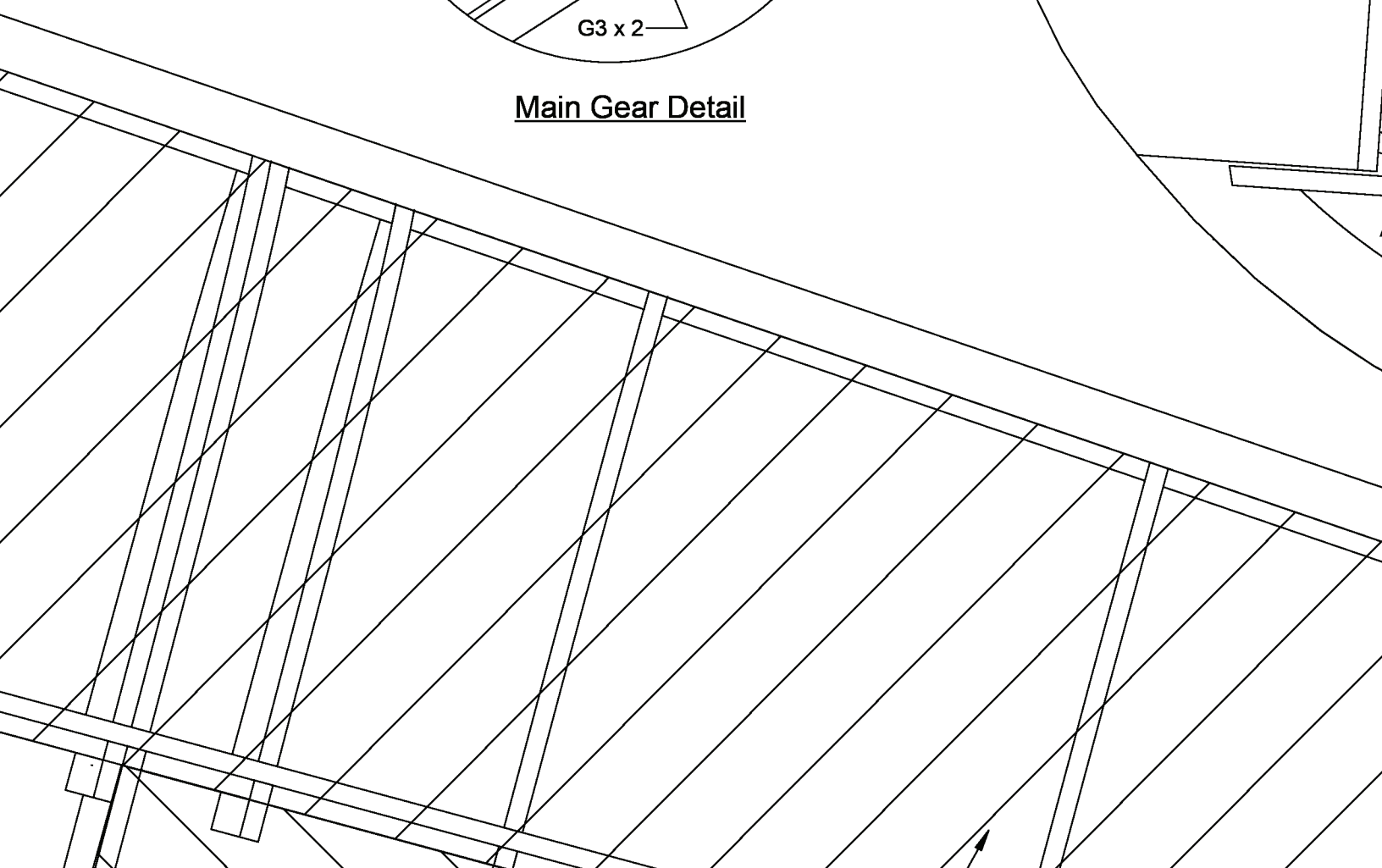


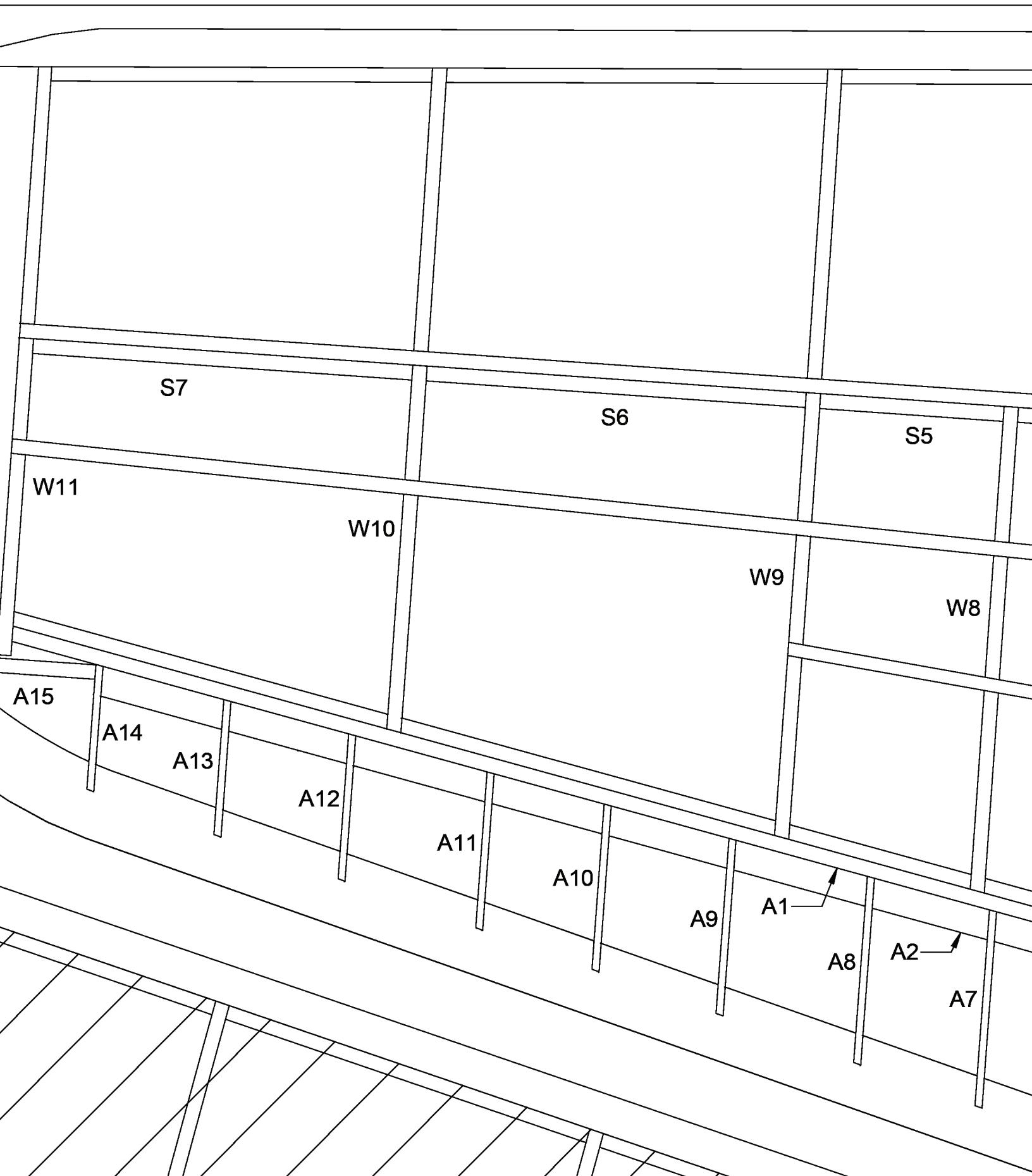




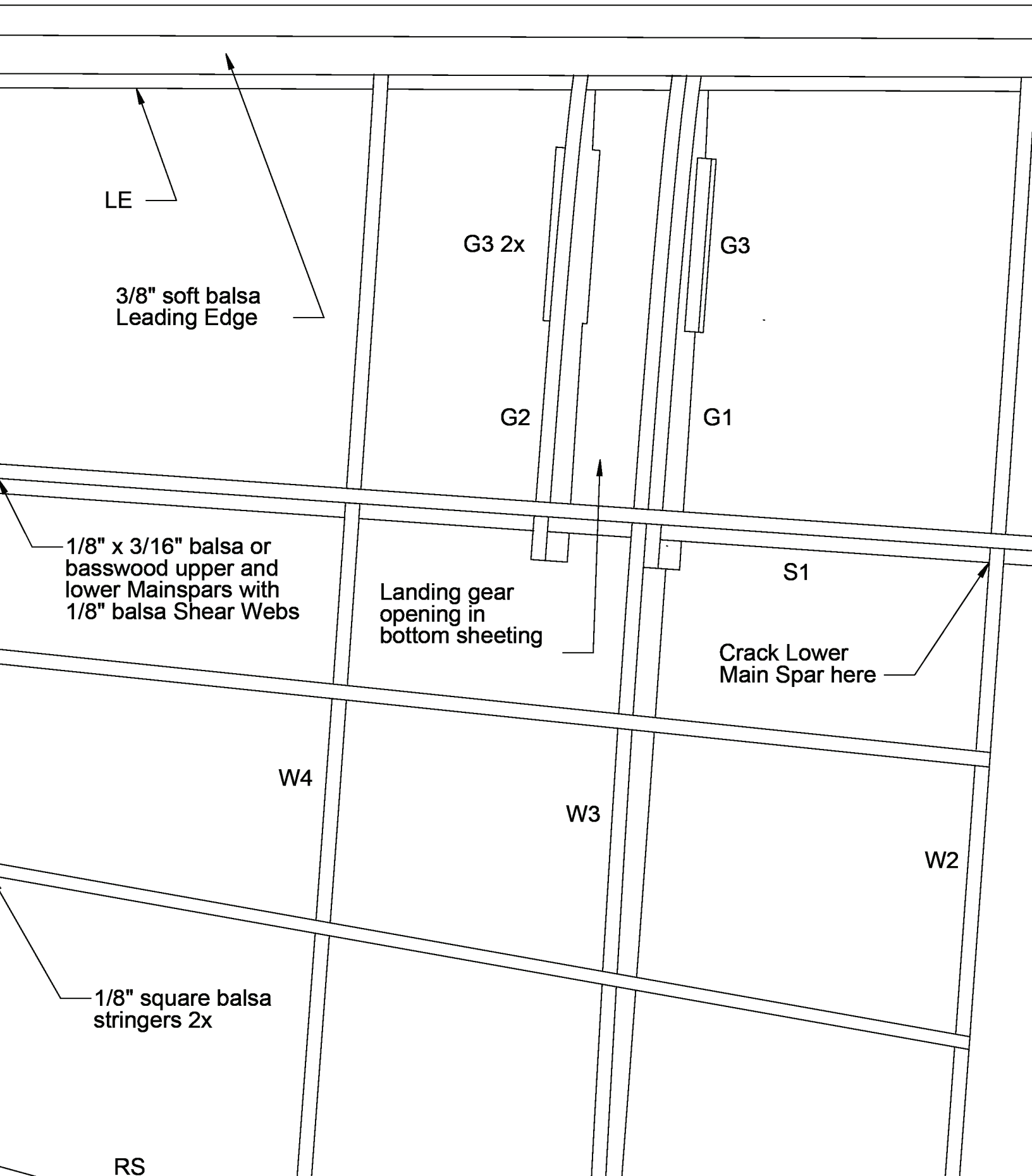
Main Gear Detail

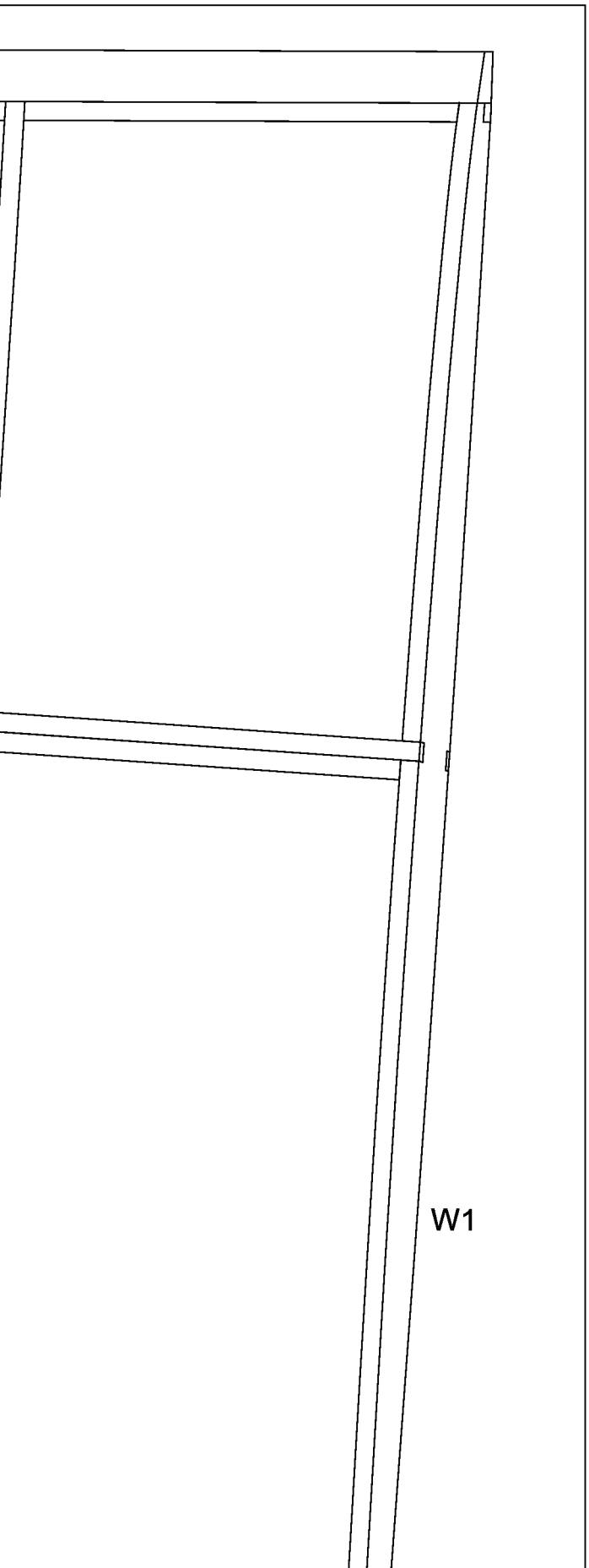


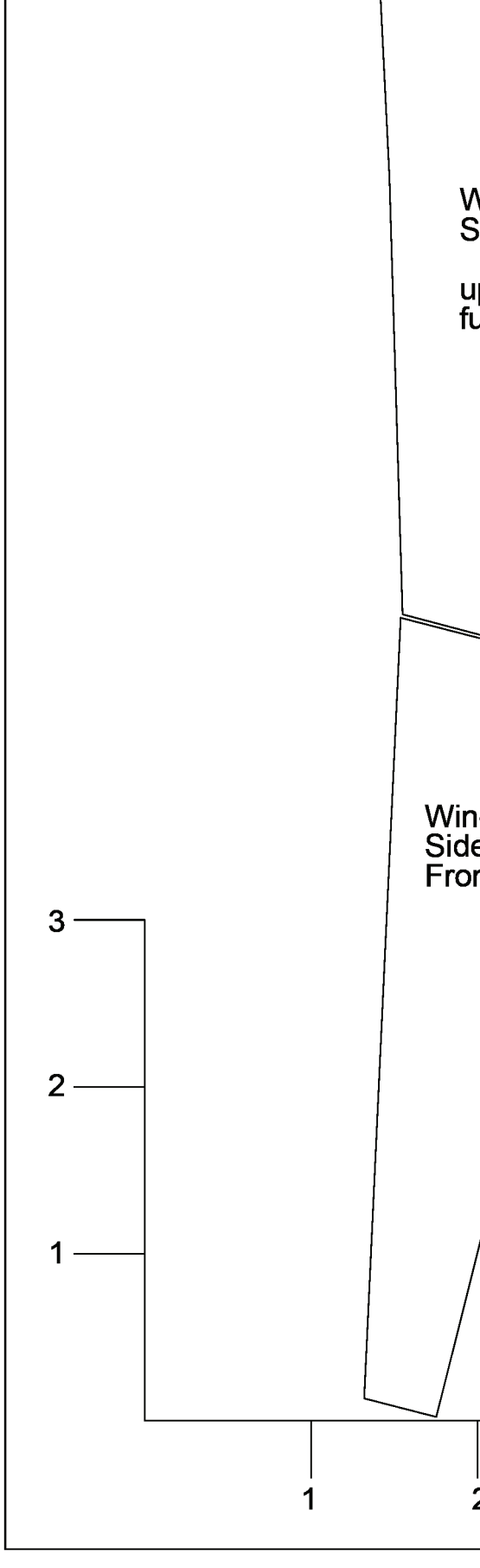



S7
S6
S5
W11
W10
W9
W8
A15
A14
A13
A12
A11
A10
A9
A1
A8
A2
A7


S4
S3
S2
W7
W6
W5
A6
A5
A4
A3


LE
3/8" soft balsa
Leading Edge
G3 2x
G3
G2
G1
1/8" x 3/16" balsa or
basswood upper and
lower Mainspars with
1/8" balsa Shear Webs
Landing gear
opening in
bottom sheeting
S1
Crack Lower
Main Spar here
W4
W3
W2
1/8" square balsa
stringers 2x
RS


W1



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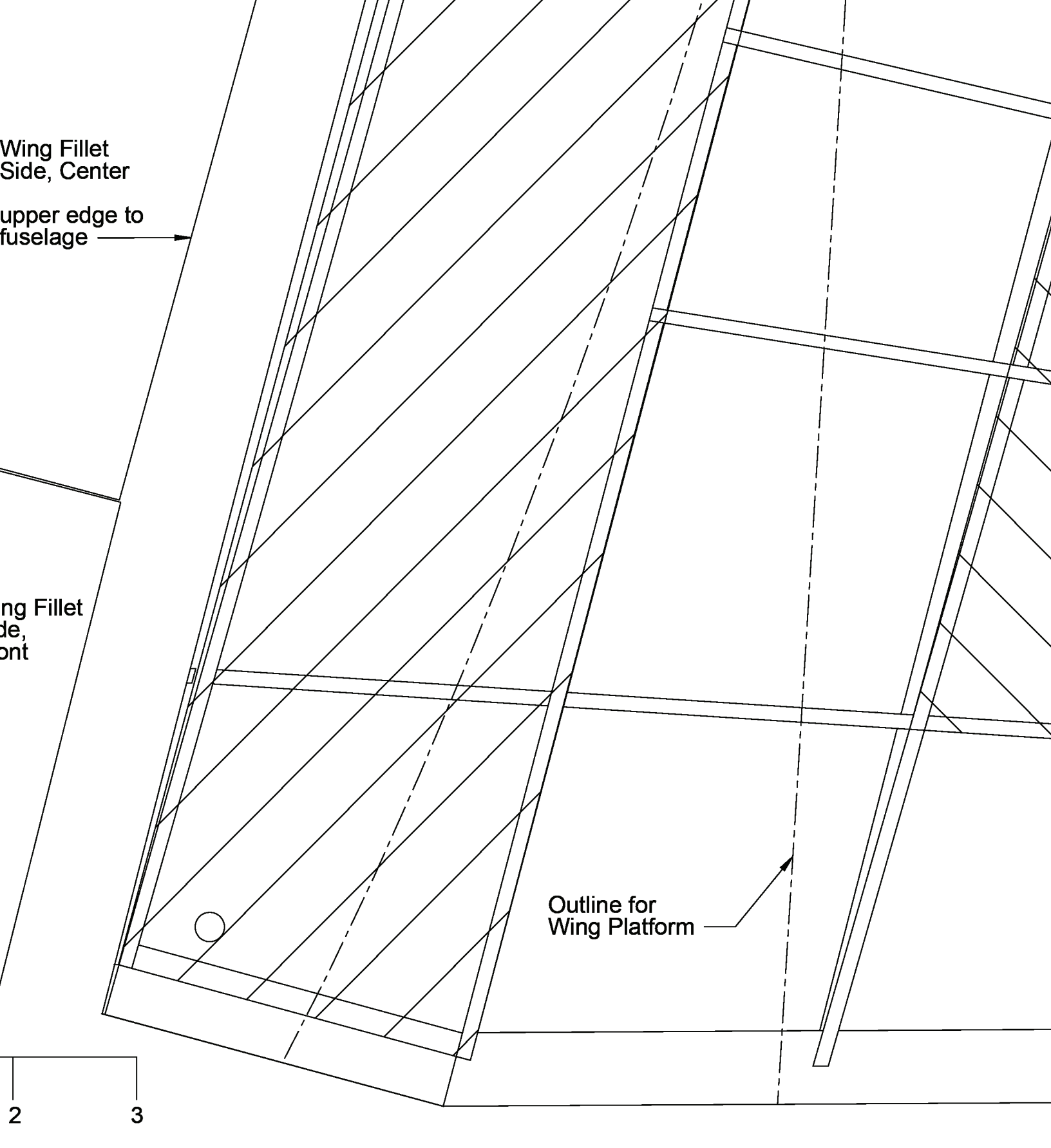
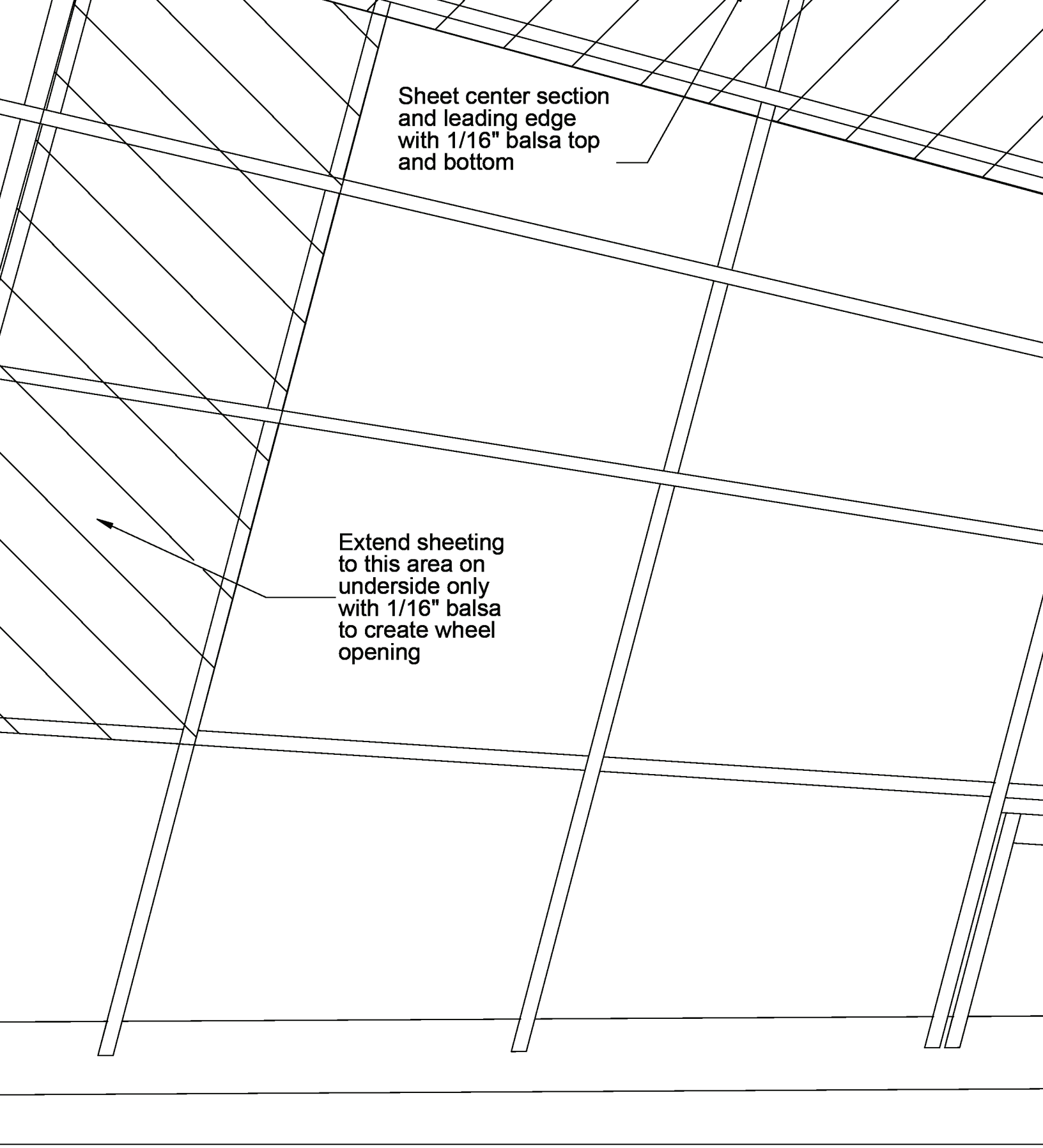
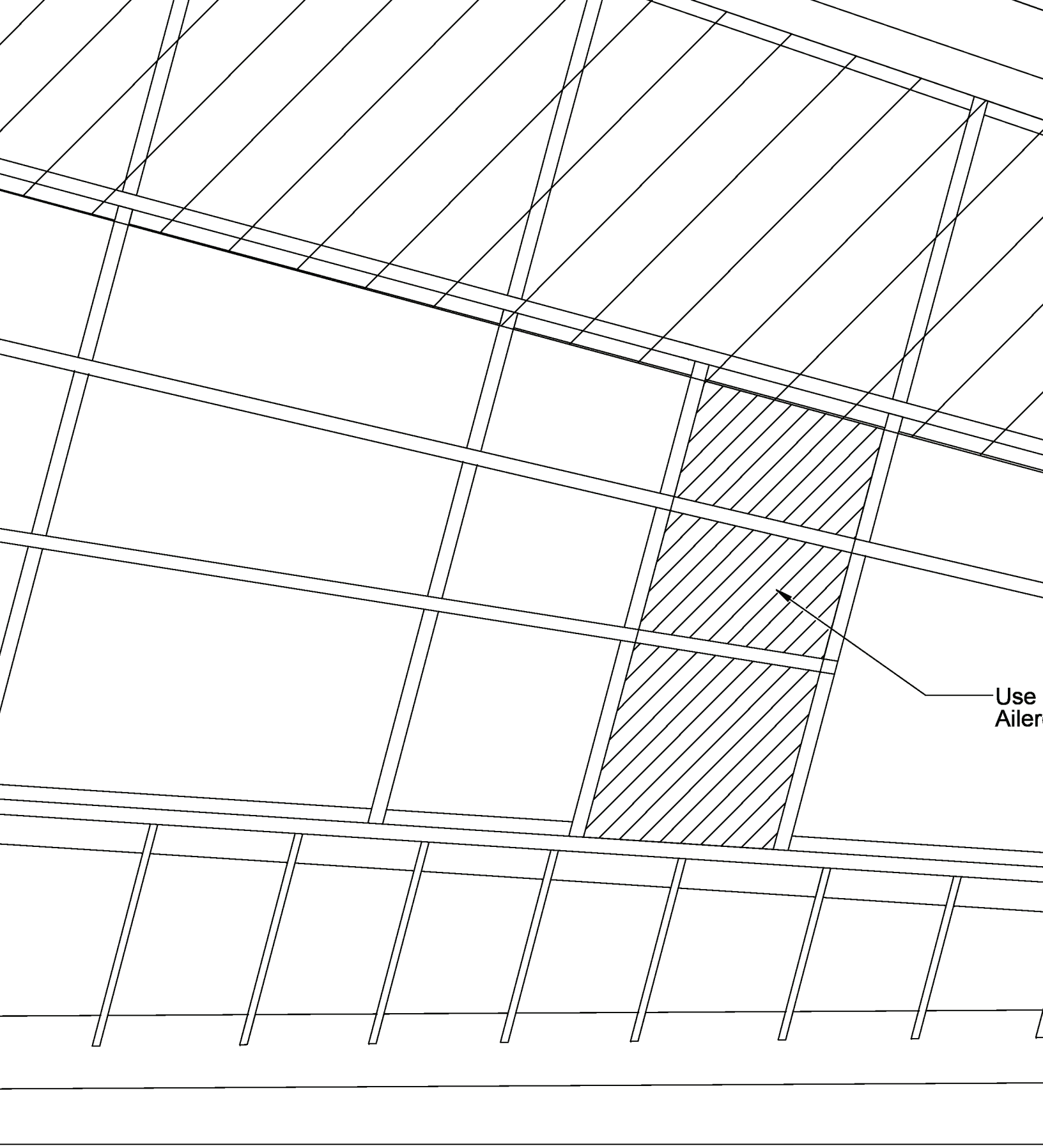
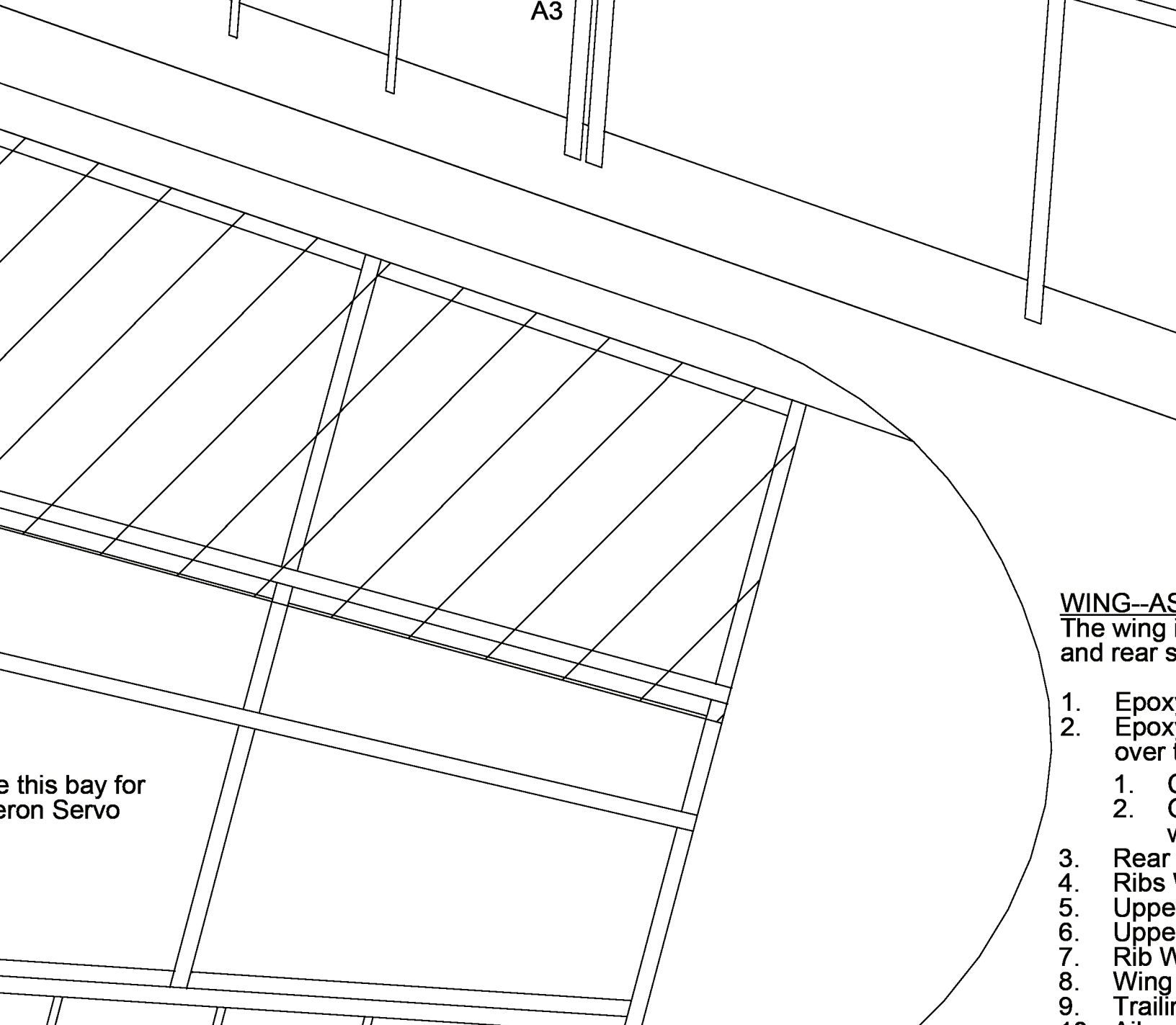

Wing Fillet
Side, Center
upper edge to
fuselage
ng Fillet
de,
ont
Outline for
Wing Platform
2
3

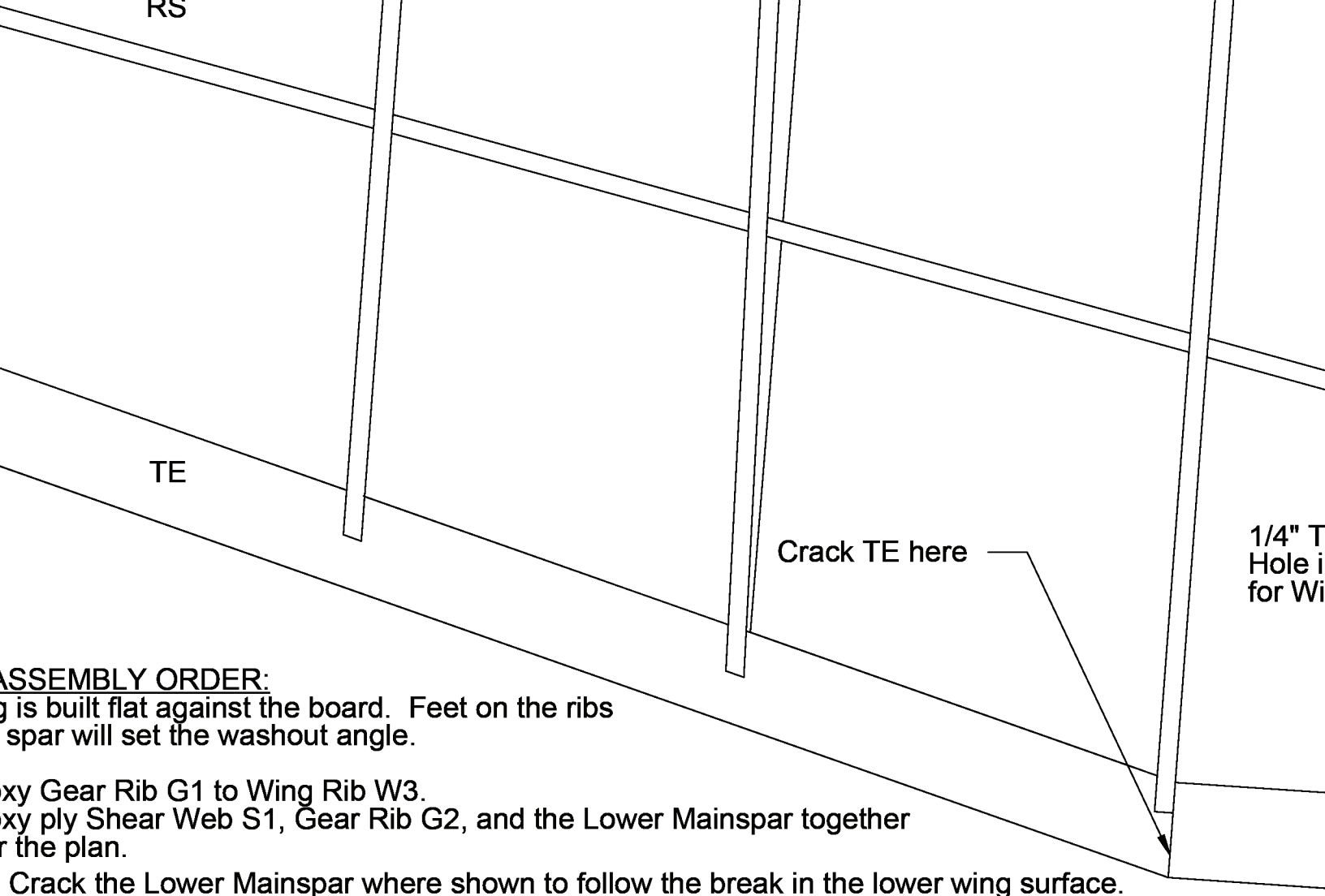

Sheet center section
and leading edge
with 1/16" balsa top
and bottom
Extend sheeting
to this area on
underside only
with 1/16" balsa
to create wheel
opening


Use
Ailer



WING--AS
The wing i
and rear s

1. Epox
2. Epox
over t
    1. C
    2. C
    w
3. Rear
4. Ribs
5. Uppe
6. Uppe
7. Rib W
8. Wing
9. Trailin
10. Ailero
    1. C
11. Uppe
wash
12. Retra
    1. E
13. Lowe
14. 3/8" S
15. Join w
16. Instal

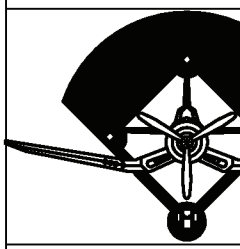


ASSEMBLY ORDER:

g is built flat against the board. Feet on the ribs
spar will set the washout angle.

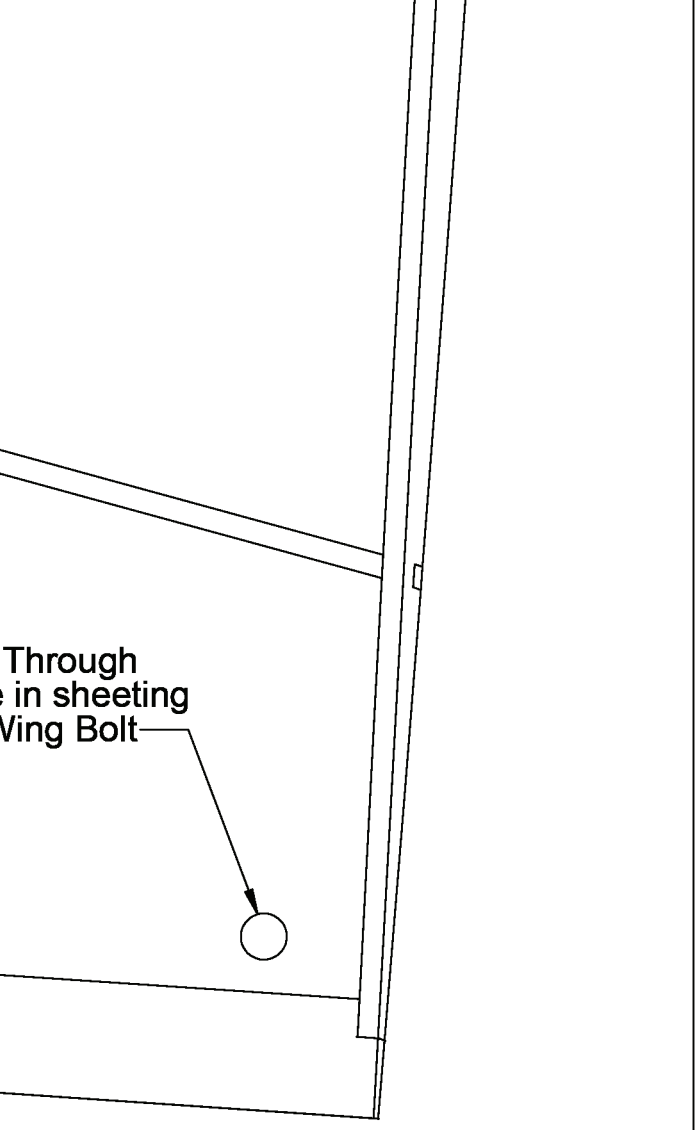
oxy Gear Rib G1 to Wing Rib W3.
oxy ply Shear Web S1, Gear Rib G2, and the Lower Mainspar together
r the plan.
Crack the Lower Mainspar where shown to follow the break in the lower wing surface.
Once cured, raise the Lower Main Spar by shimming it with 1/16" balsa scrap--this
will allow the sheeting to cover the Lower Main Spar later.
r Spar RS--pin perpendicular to the board.
s W2 thru W11--all but W3 stand perpendicular to board
er Main Spar and Shear Webs S2 thru S7.
er Stringers and Leading Edge LE.
W1--set angle with Dihedral Gauge.
g Tip WT--stack two together and then attach to wing.
ling Edge TE--crack TE where shown.
ron parts in numerical order.
Glue A1 to RS only! A1 is a doubler to RS.
er Sheeting--sheet assembly while pinned to board from Main Spar to LE to lock in the
hout.
ract Bosses--epoxy one G3 to G1 and two G3's to G2.
Epoxy each assembly firmly to its respective Gear Rib.
er Sheeting--remove feet first.
Soft balsa leading edge.
wings and fiberglass the joint.
all a wing pin from 3/16" dowel where marked on ribs W1.

INFIELD EN



Laser cut kit available!

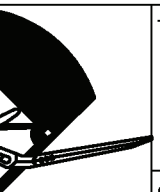
www.infieldengineering



and ModelAviation

Plan No. 1118

NGINEERING tm by Paul Kohlmann



e!

ing.com

Title

60" Douglas TBD Devastator

Size	Dwg. No.	Rev
X	Douglas Devastator	A

Scale: 1:1	Weight: 75oz	Sheet 2 of 4