Fieseler Fi 103R Reichenberg

Wingspan: 37 in (~1/6 scale)
Length: 55 in

EDF Version
Motor: 70mm EDF
Battery: 4S, 2200 mAh, ESC: 60A
AUW: 35 oz with 2200 mAh, 4S
CG: 3.75 inches from leading edge
(note this is tail heavy to correct for EDF push over)

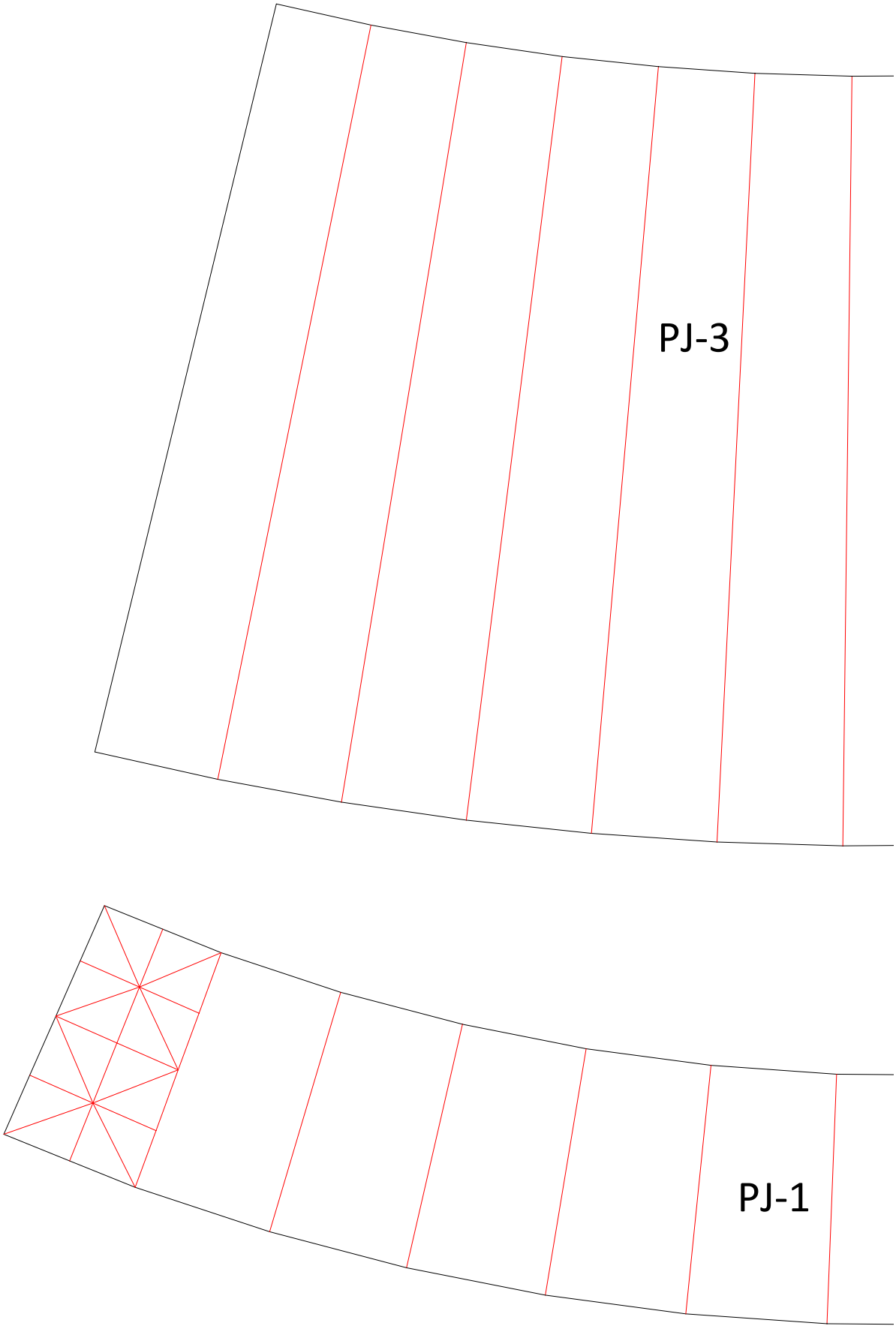
Tractor Version
Motor: C-Pack (or 2826 1200kV equivalent), 9x6 prop
Battery: 3S, 2200 mAh, ESC: 30A
AUW: 27.5 oz with 2200 mAh, 3S
CG: 2.25 inches from leading edge

Starting Throws
Aileron: 15°
Elevator: 25°

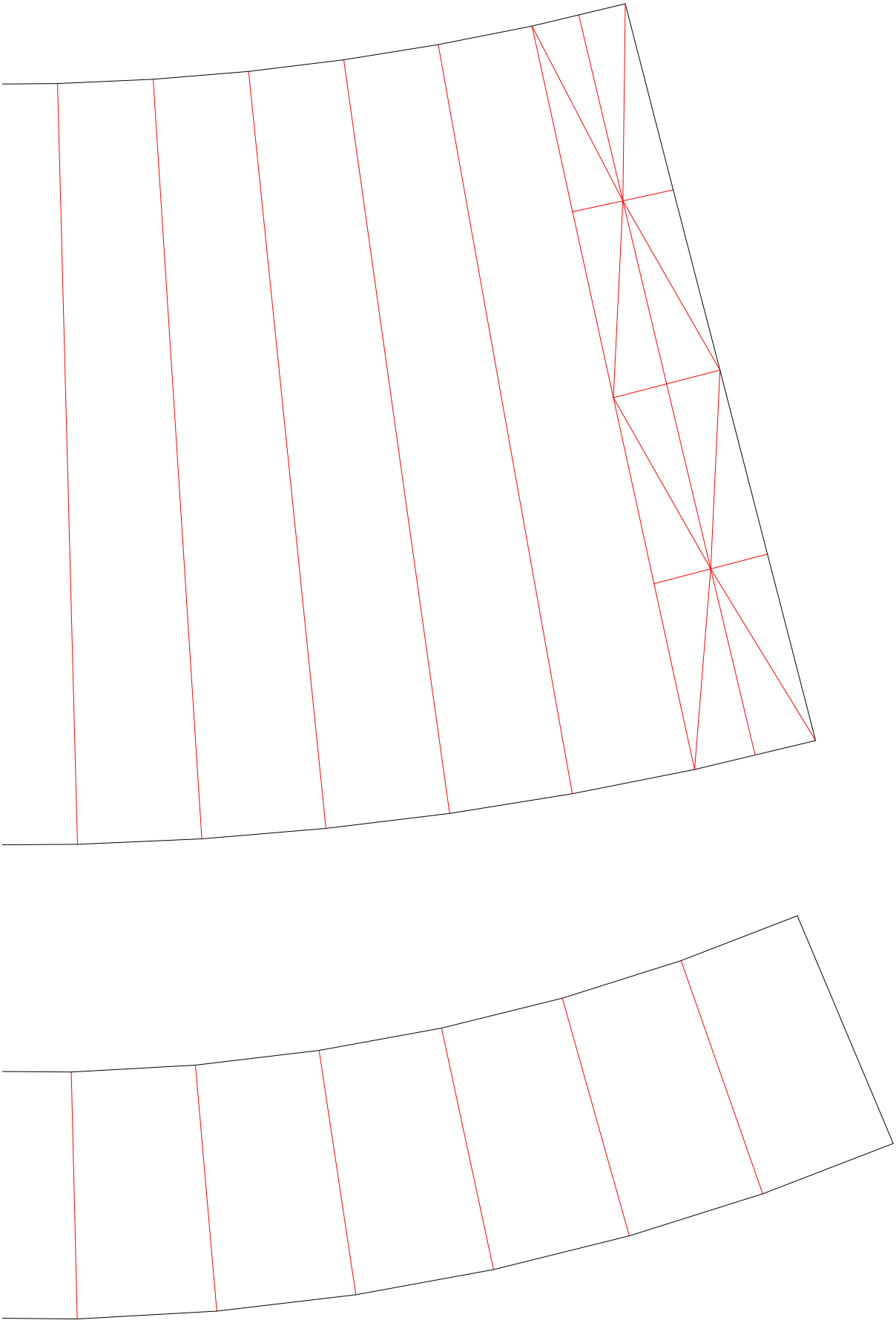
Build difficulty: Intermediate
Flying difficulty: Intermediate to advanced
Black lines - cut through
Red lines - score cut
Red cross hatch - remove foam and leave lower paper layer
Green lines - reference

DamoRC

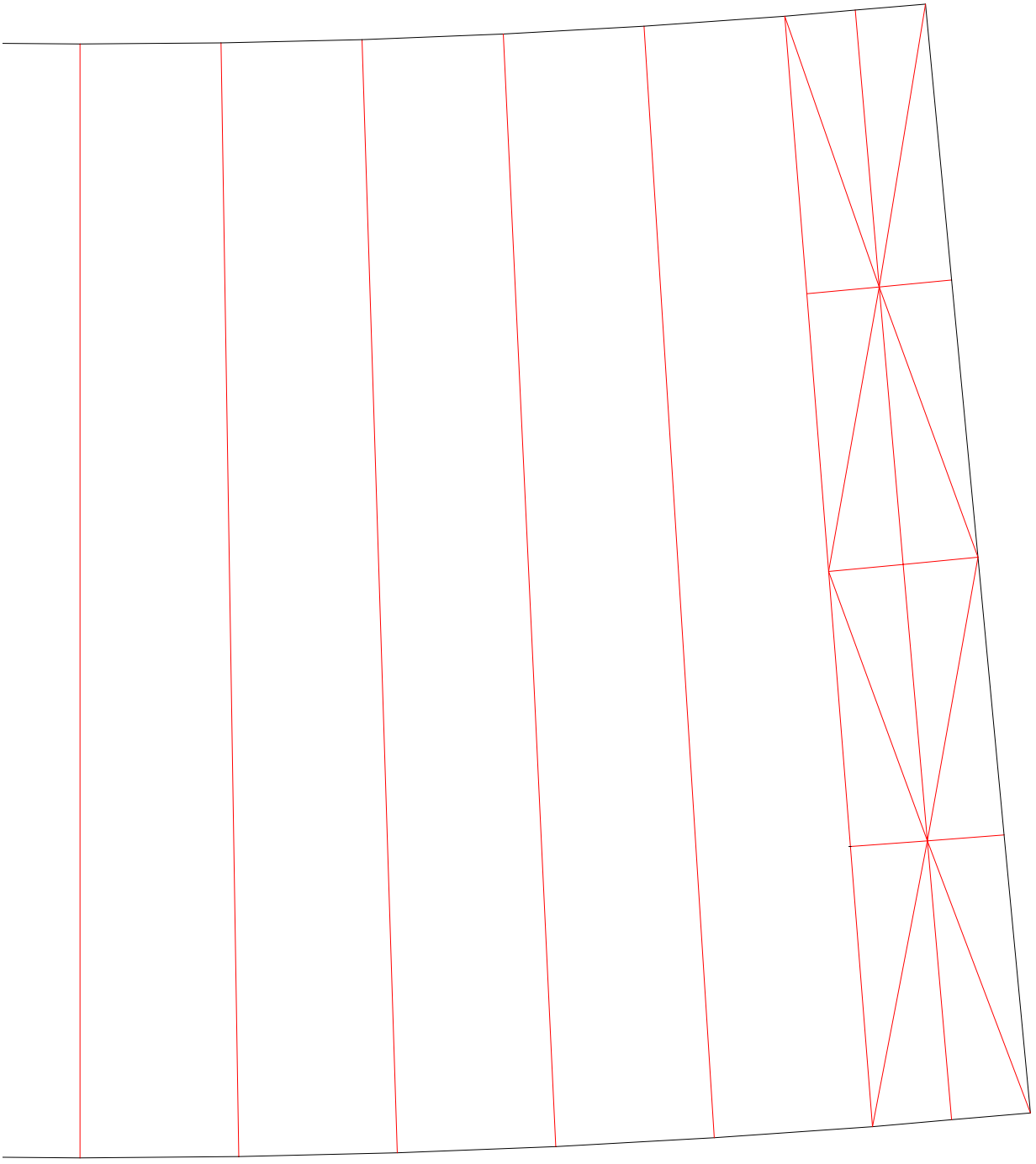
http://forum.flitetest.com/showthread.php?36010-FTCC-18-WWII-Fieseler-Fi-103R-Reichenberg

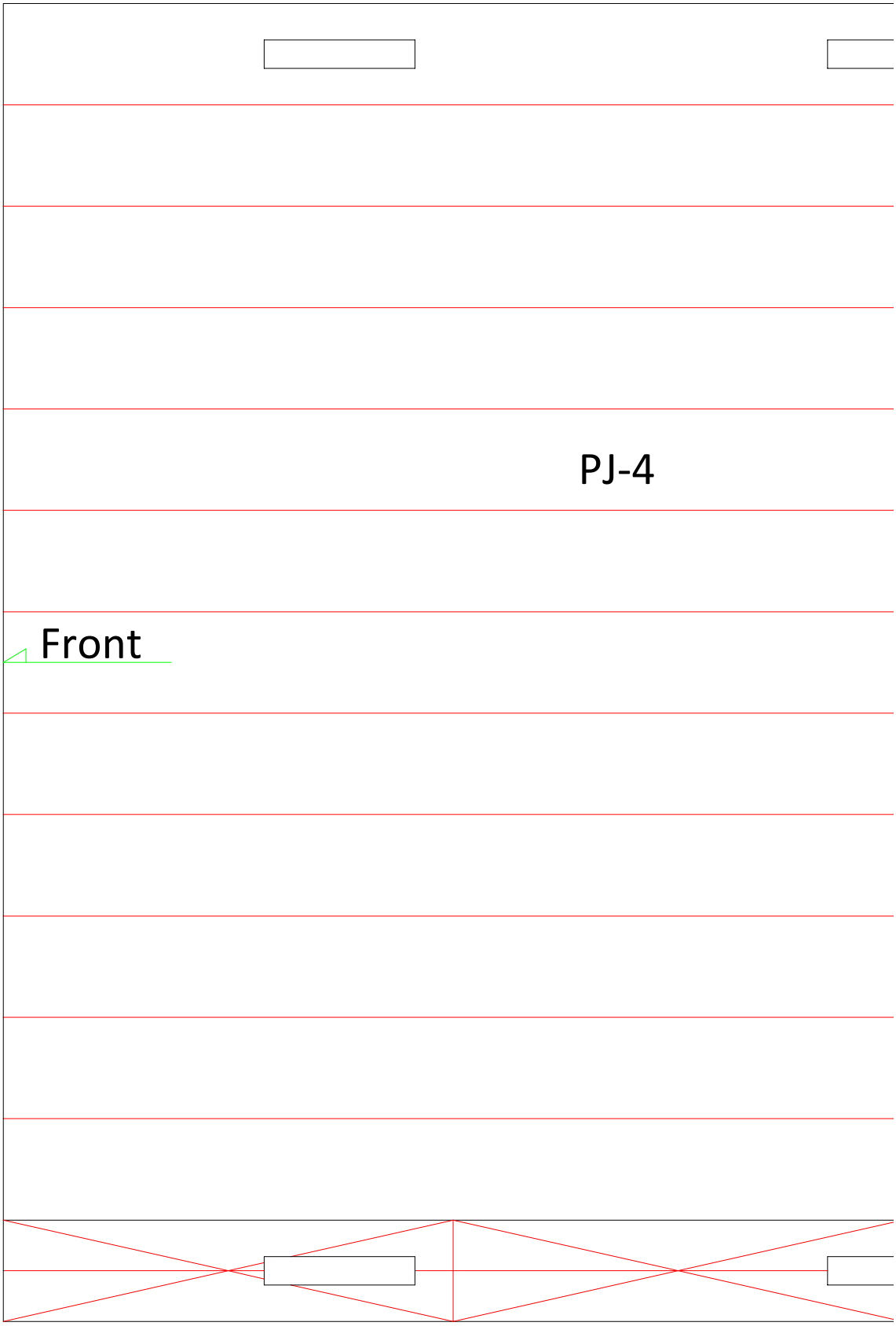


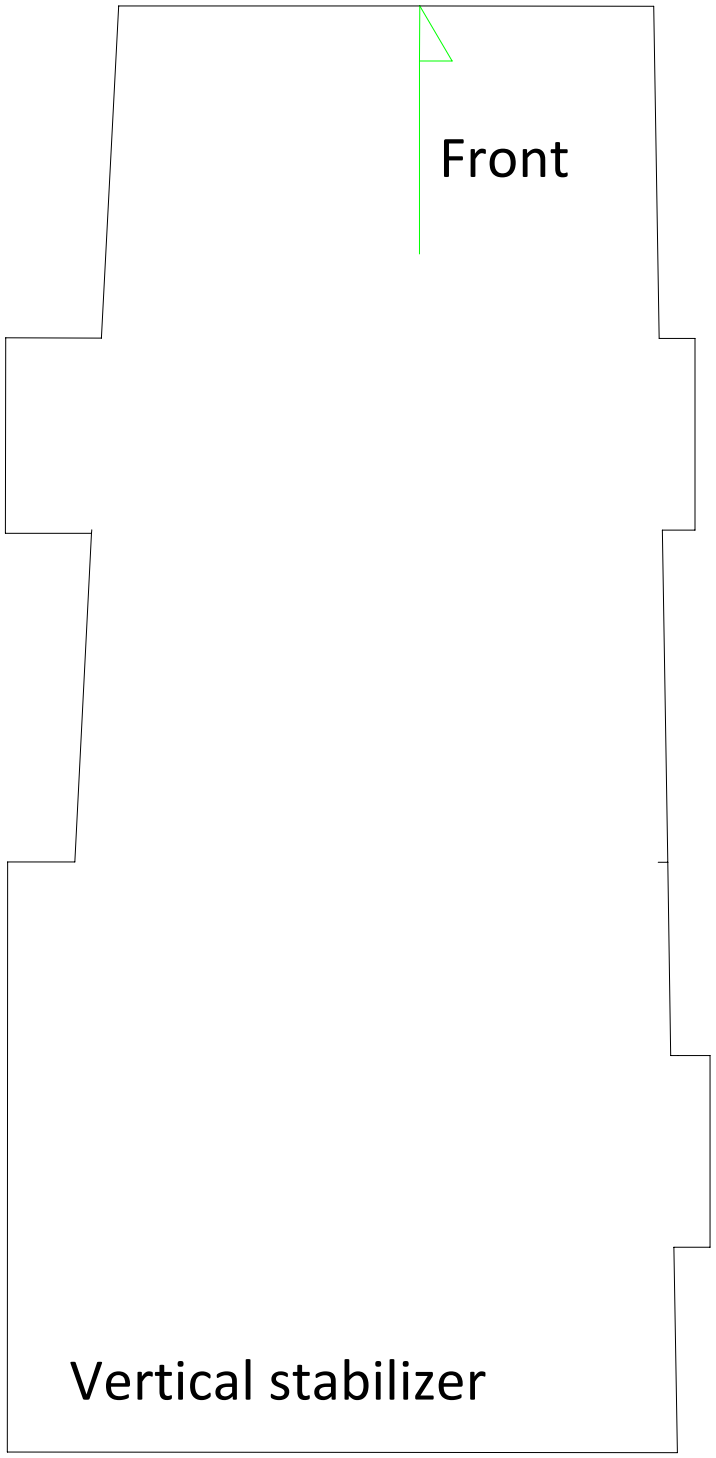
Pulse jet sections numbered from the front: PJ-1, PJ-2 etc.



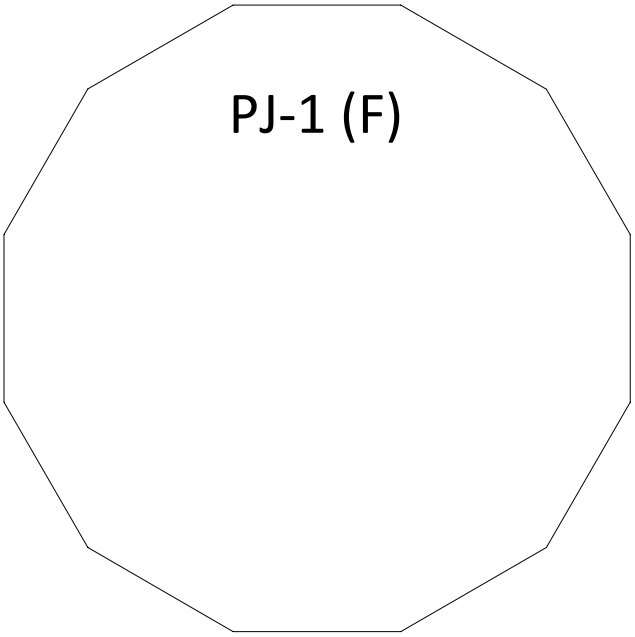

PJ-2

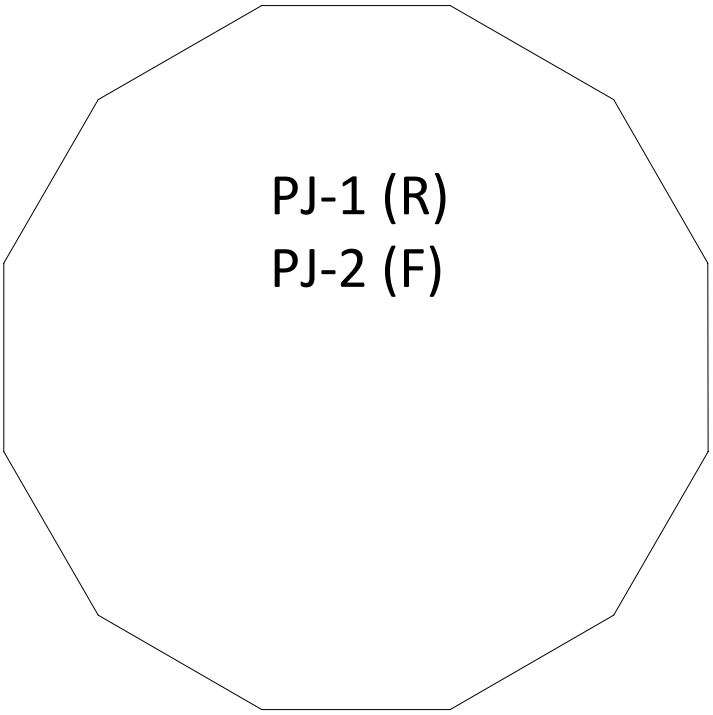


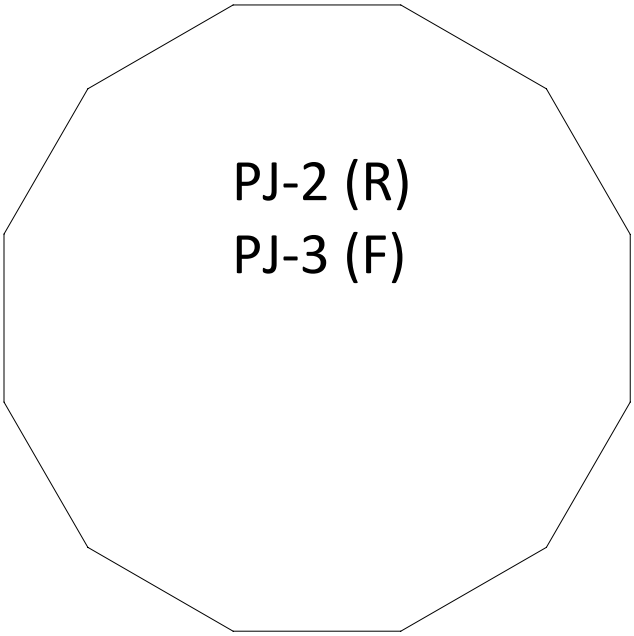

PJ-4
Front

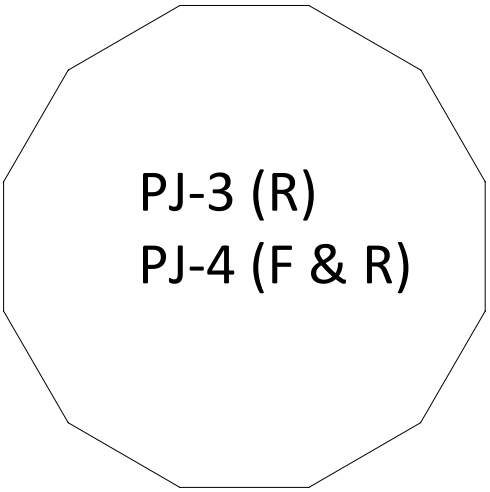

Front
Vertical stabilizer

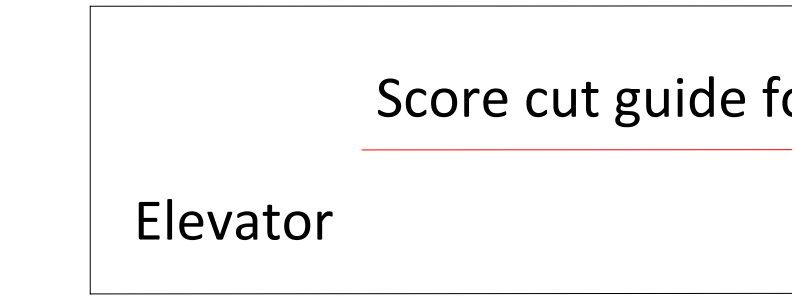
Pulse Jet Frames (optional).
Each pulse jet part uses two frames, Front (F) and Rear (R)
Frames can be used on multiple parts (cut multiple copies)

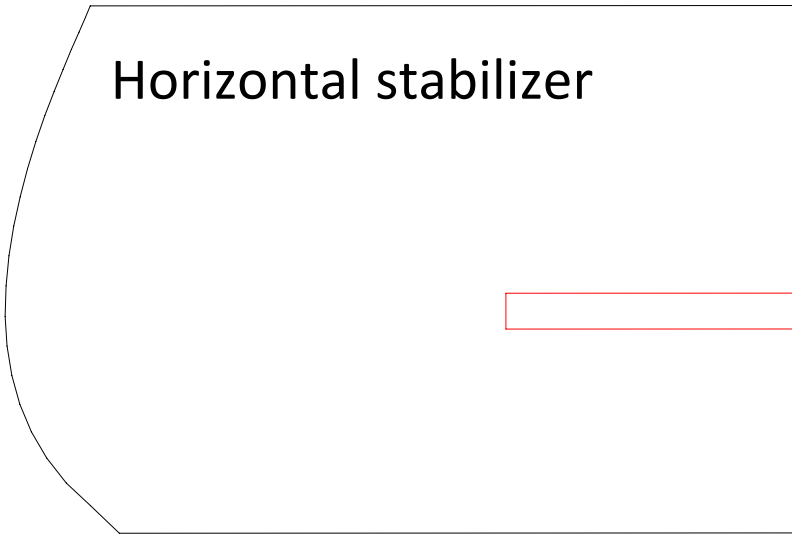


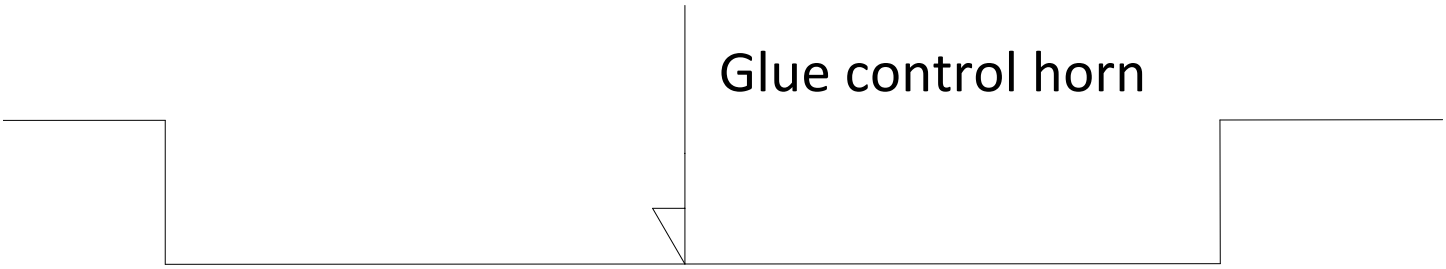




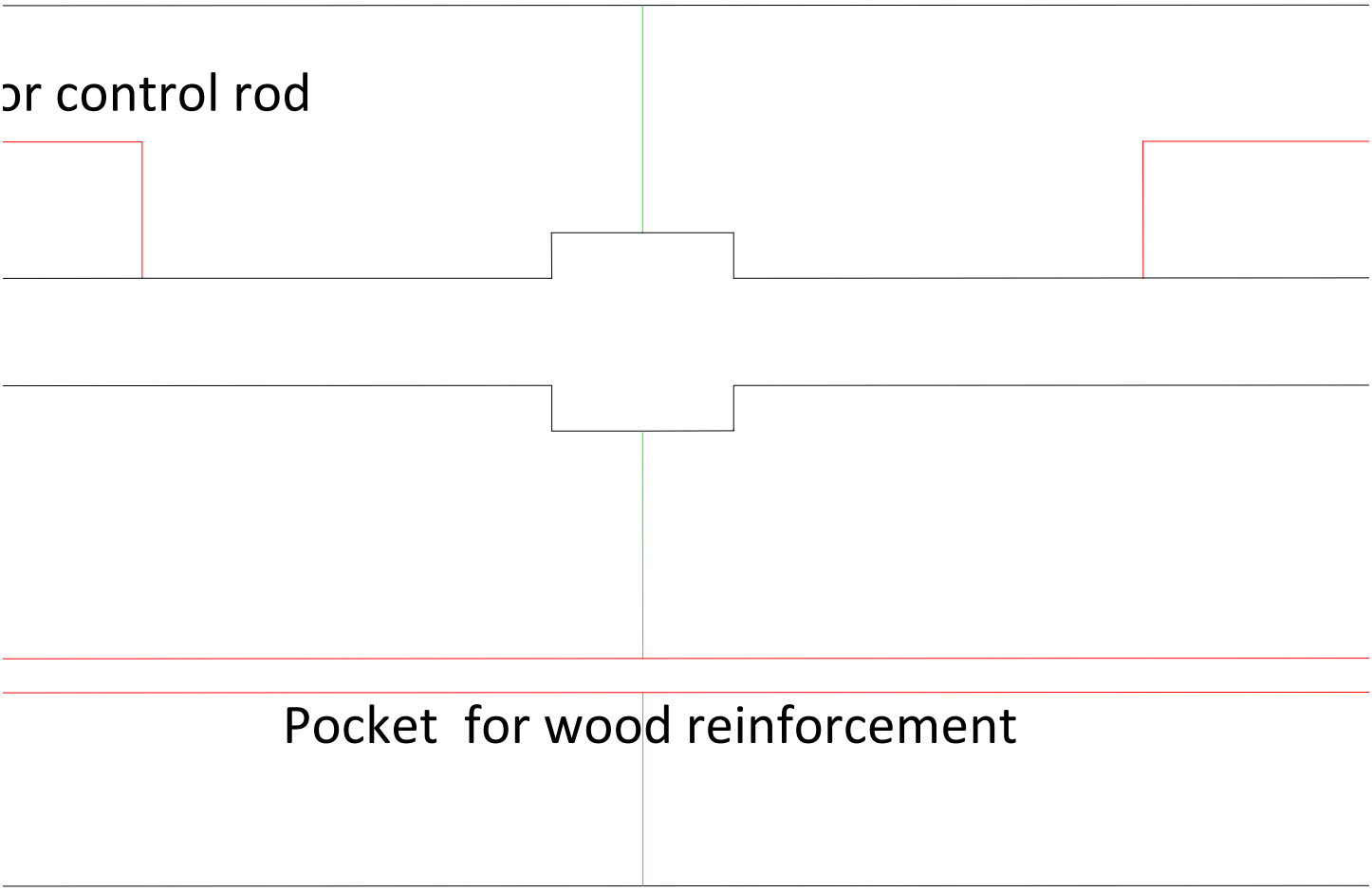



Score cut guide fo
Elevator

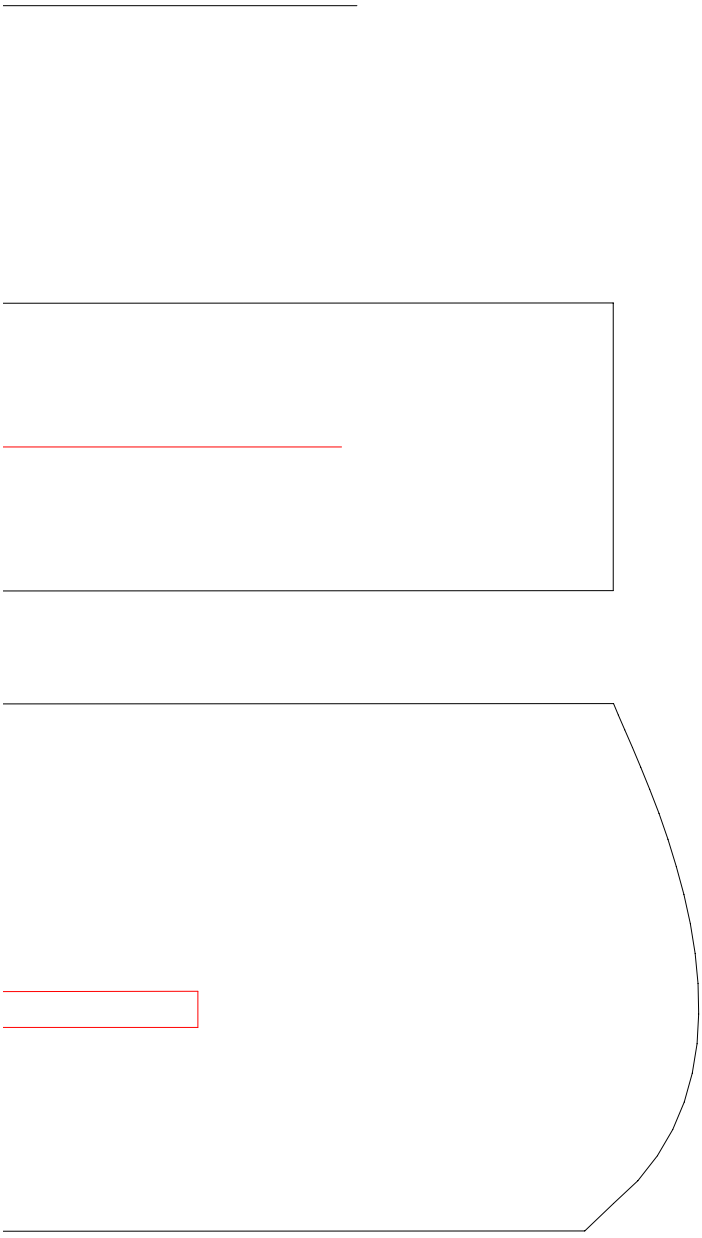

Horizontal stabilizer

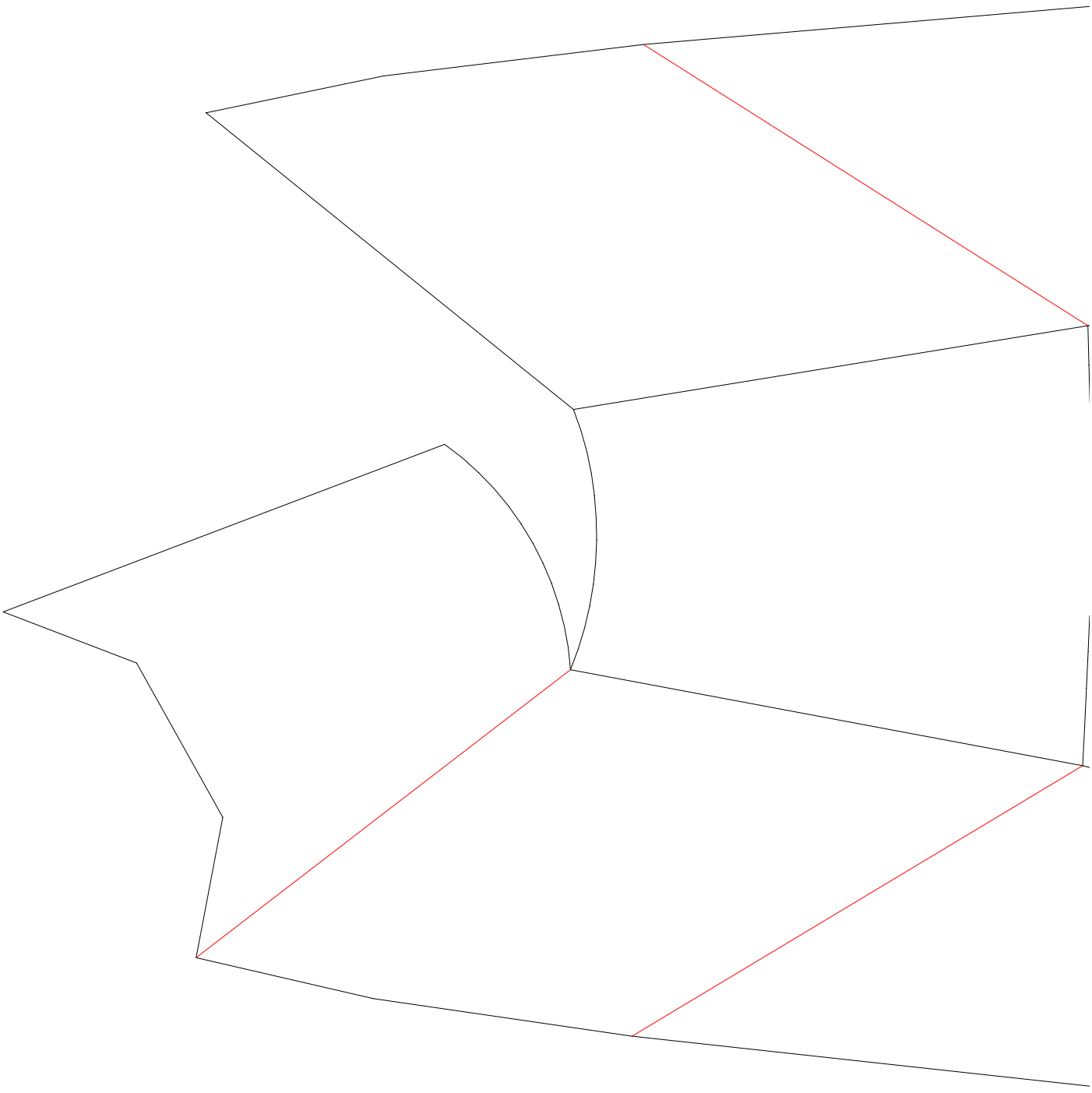


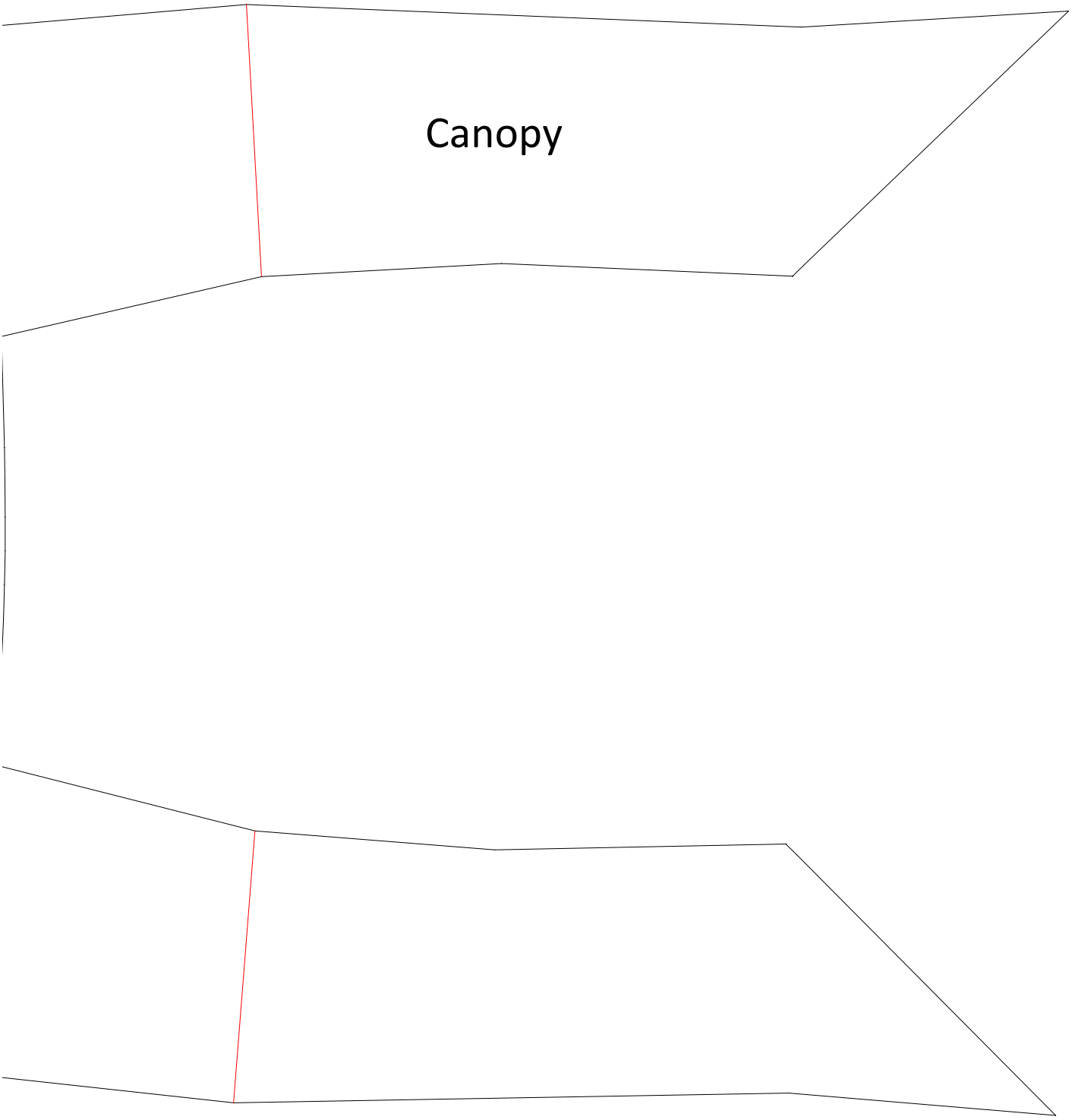
Control rod shape template (for split aileron)



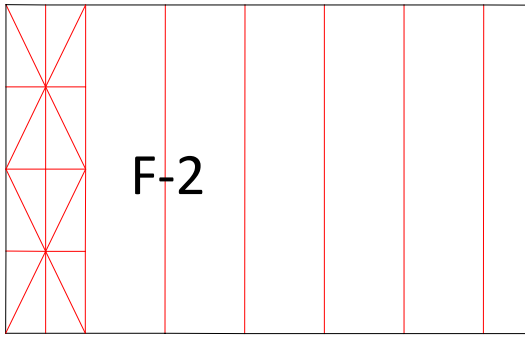
Pocket for wood reinforcement

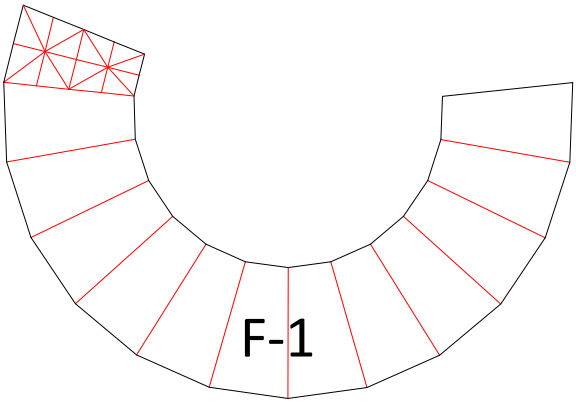




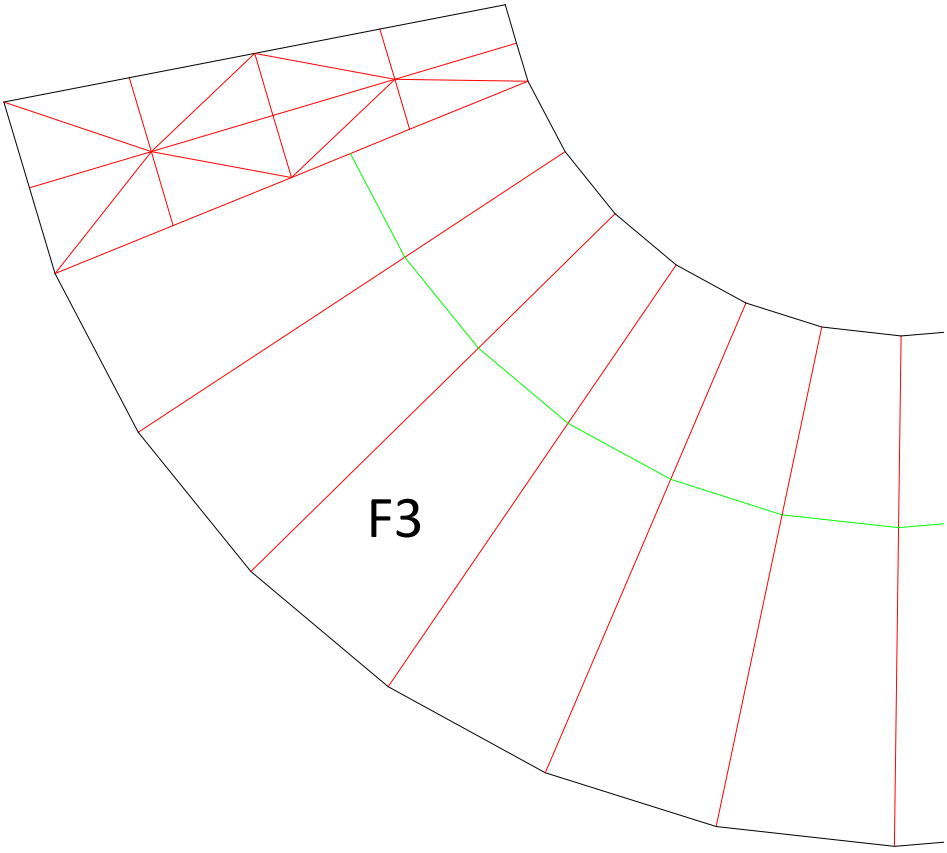

Canopy

Fuselage sections numbered from the front (F-1, F-2 etc)

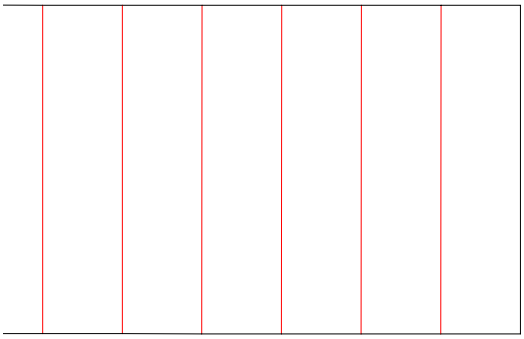




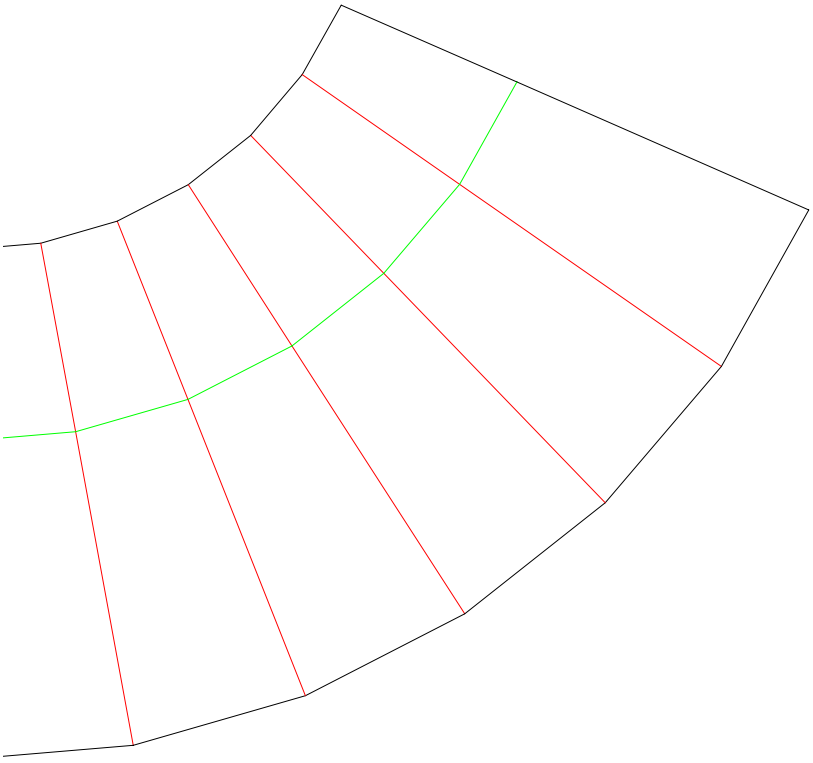
Green line marks 1
for Tractor version

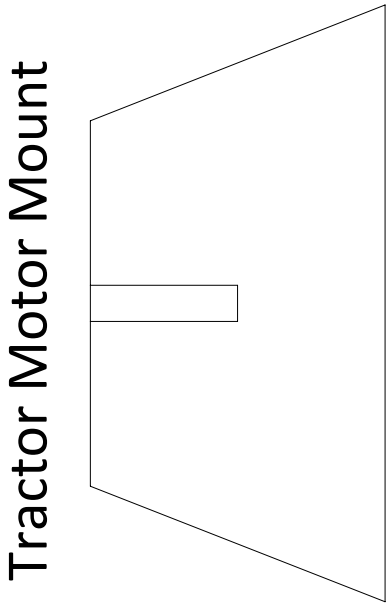


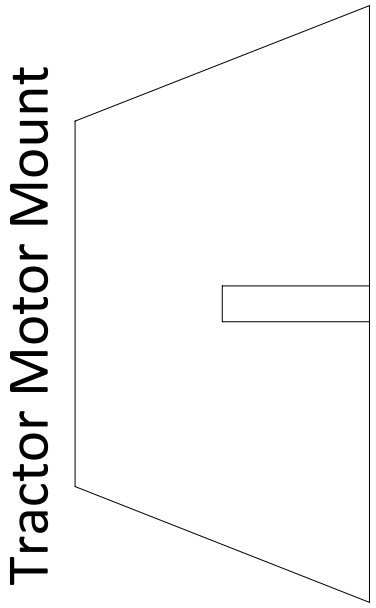
Motor mount installed inside shortened F3
Fuse sections 1 and 2 are not needed for tractor build

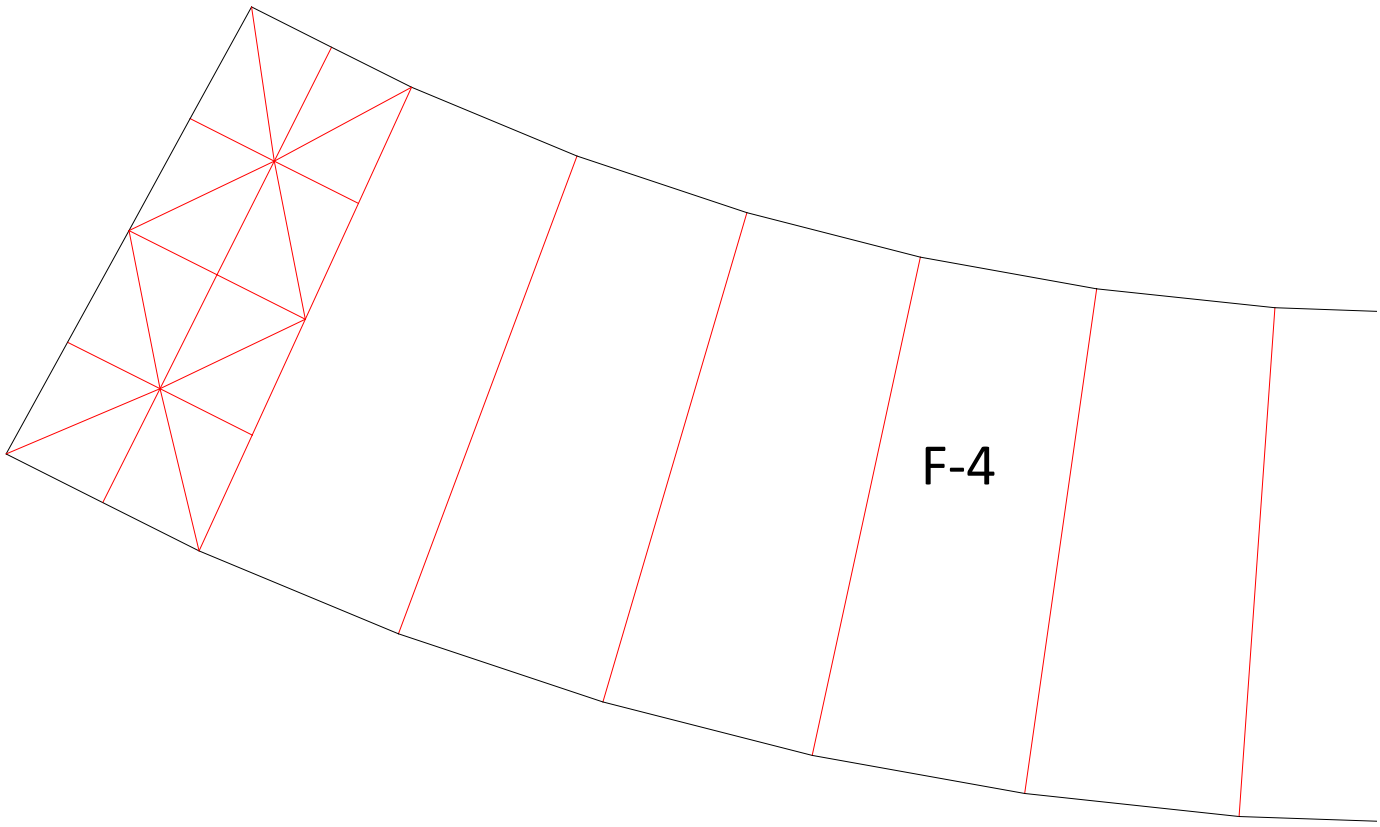


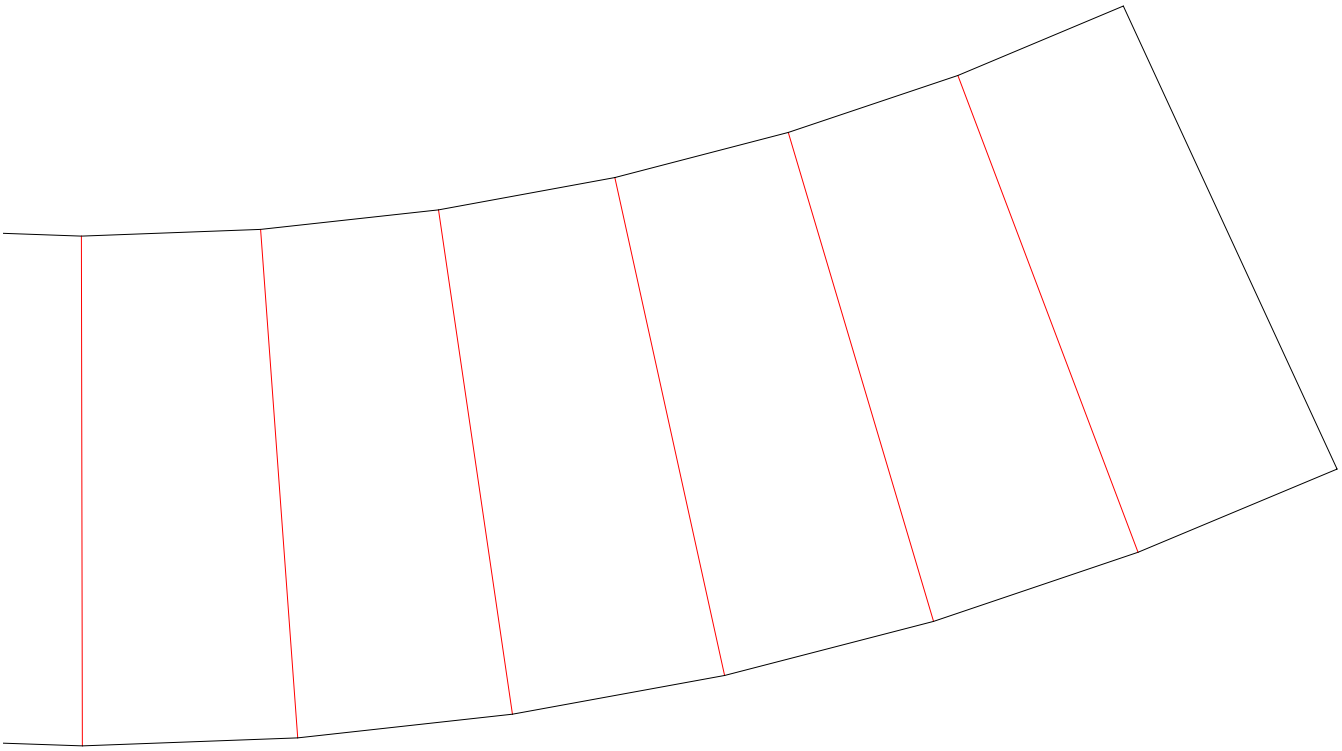
inch removed from F3

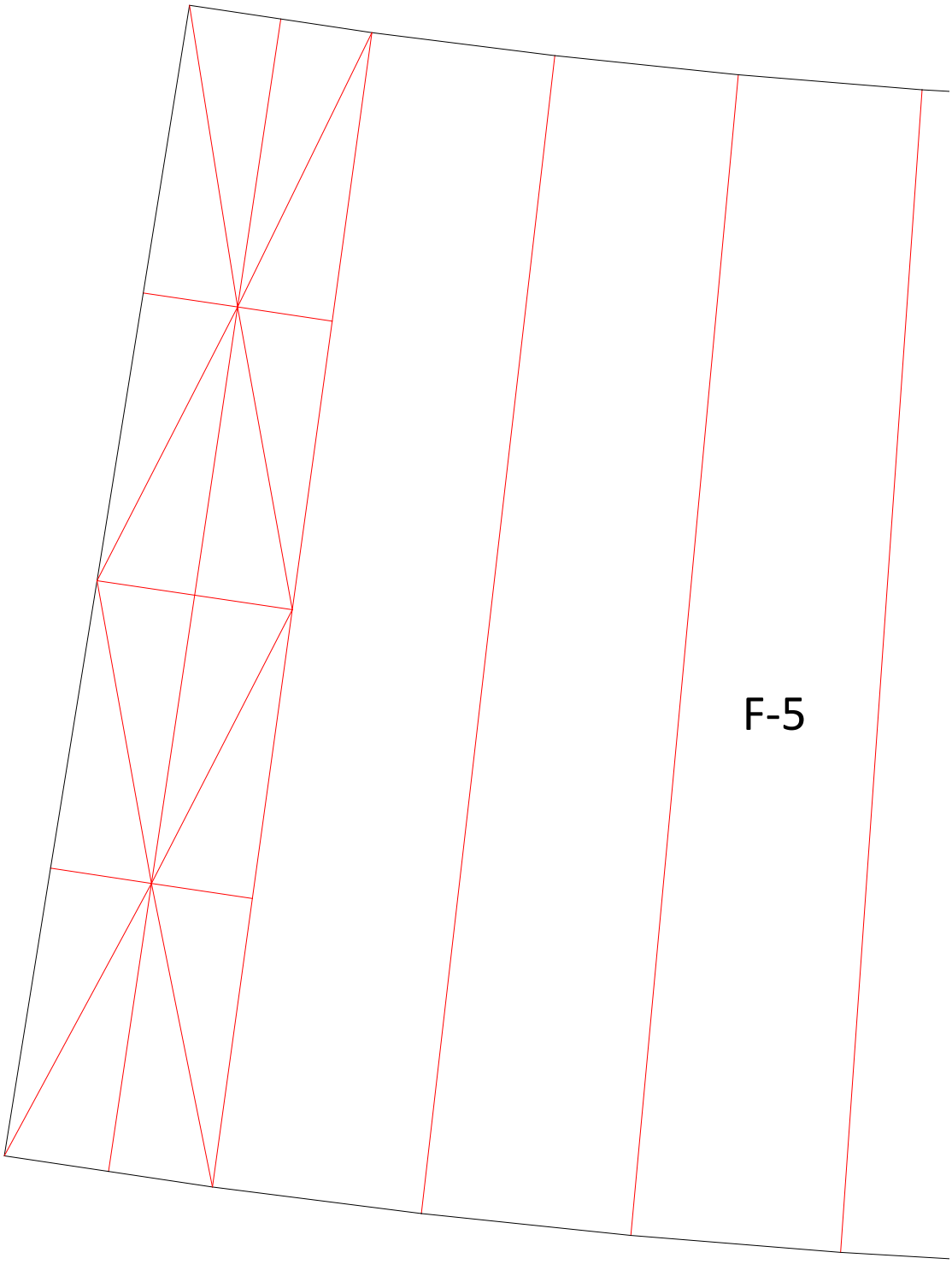




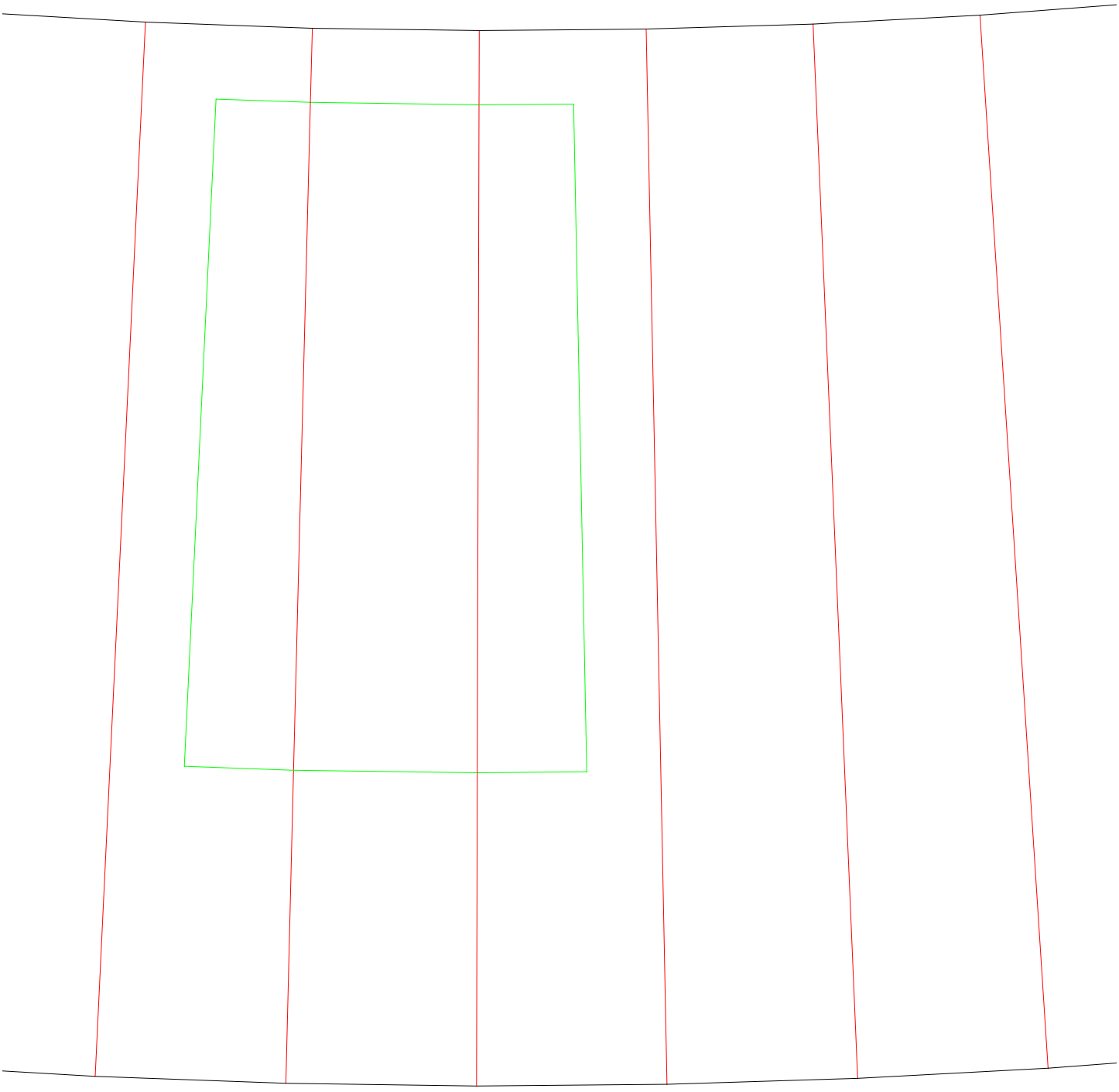


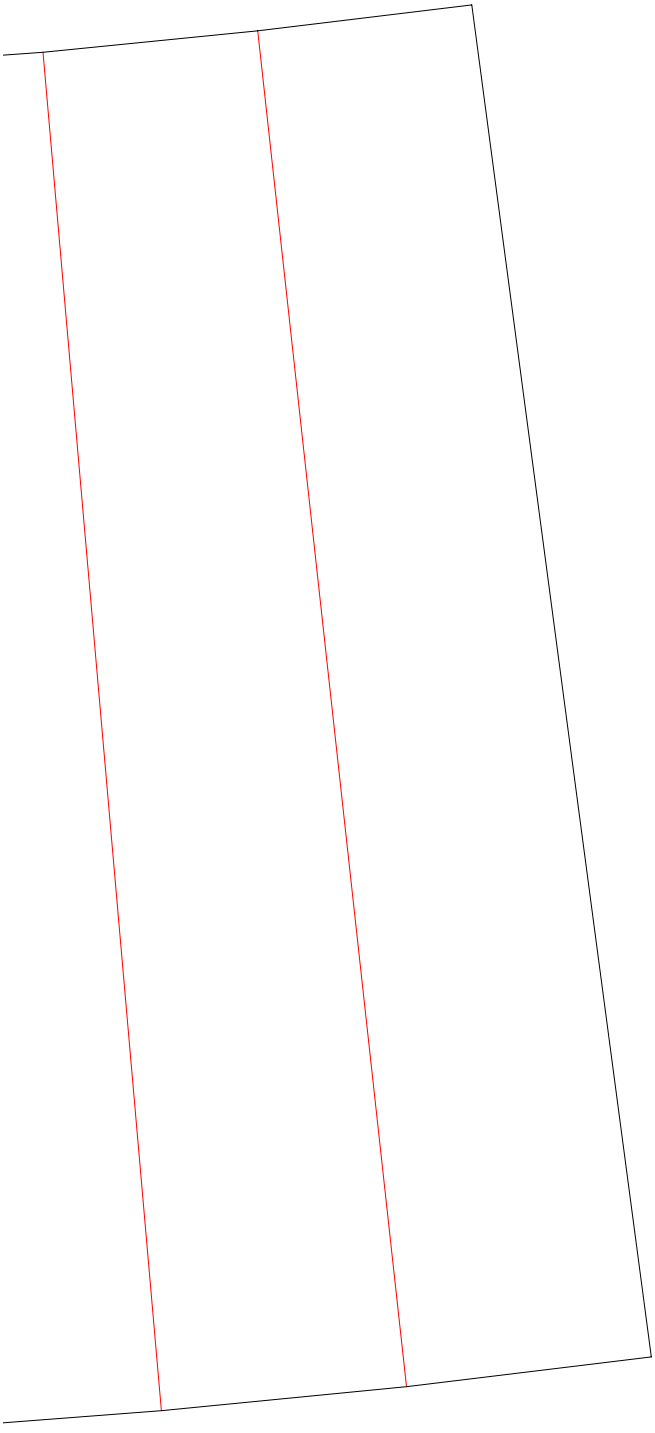

F-4



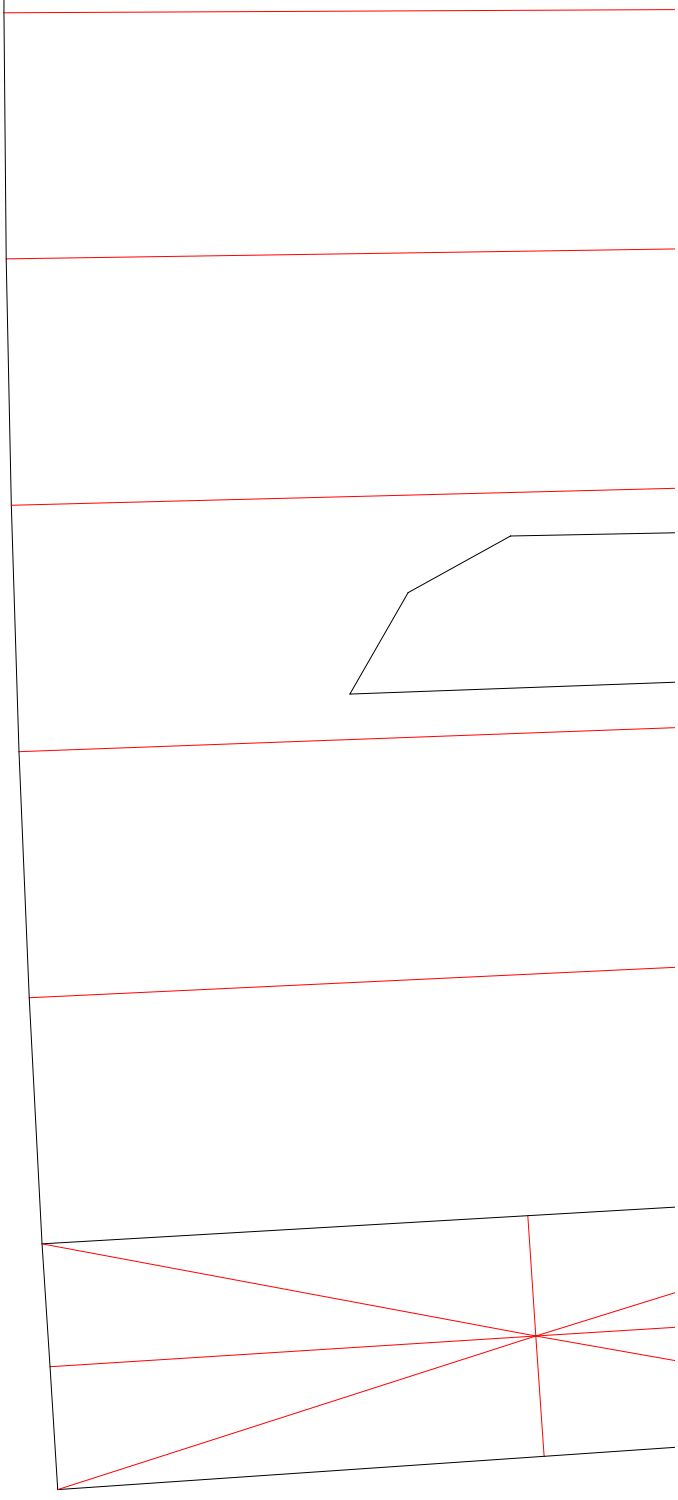

F-5

Green lines mark hatch.
Transfer to opposite side
Do not cut hatch until fuse is complete



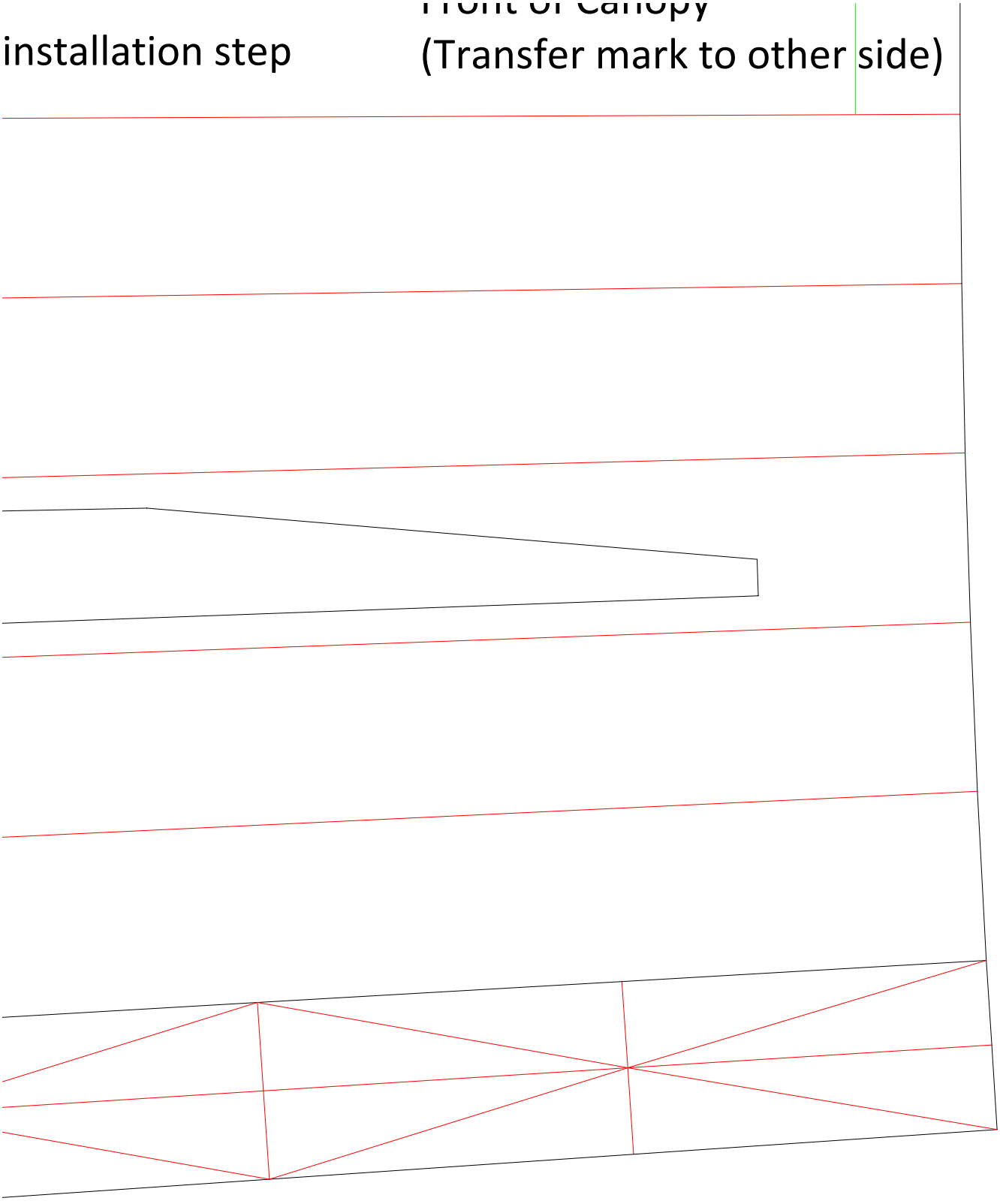


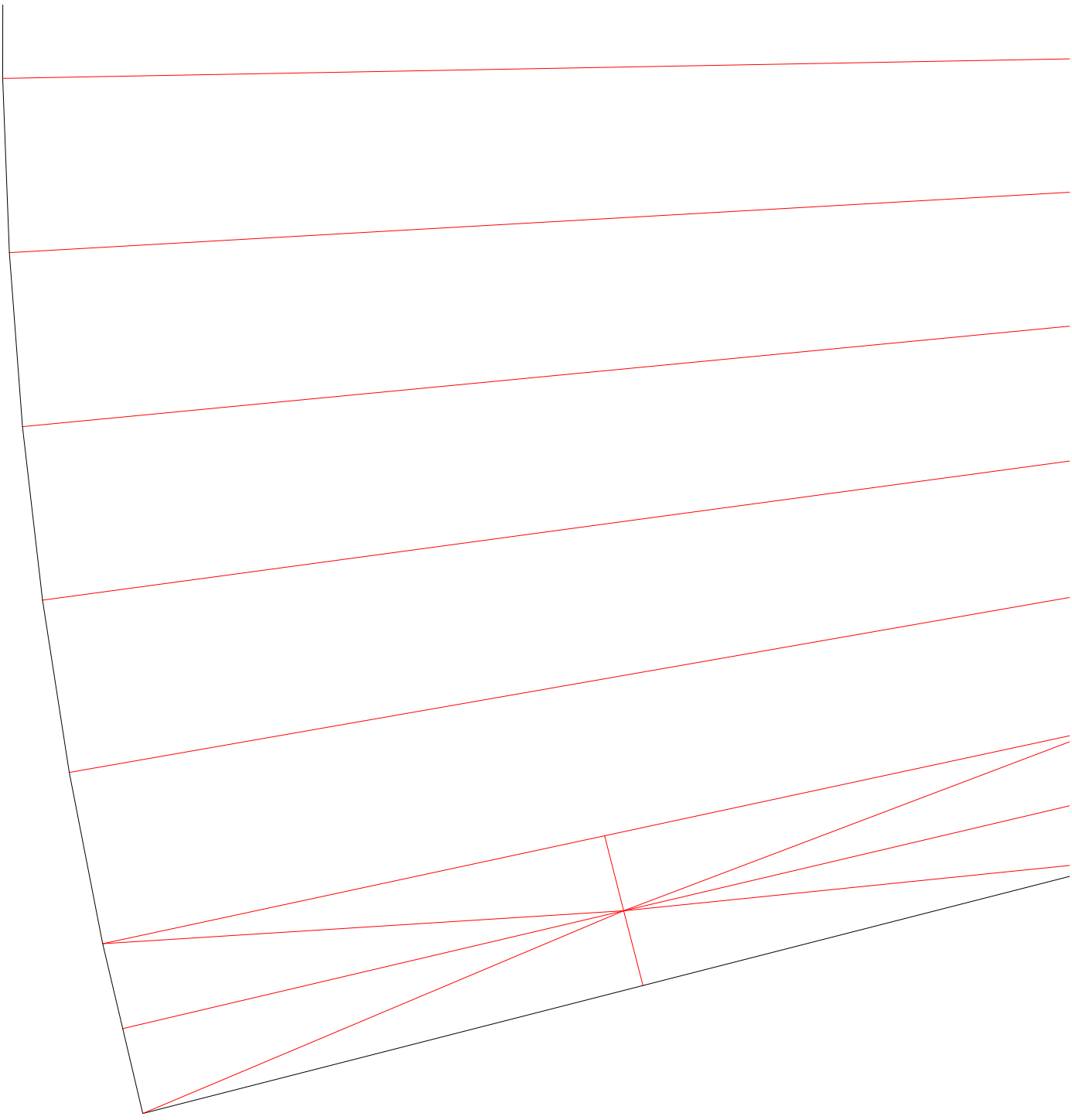
Cut wing holes partially.
Do not remove until wing



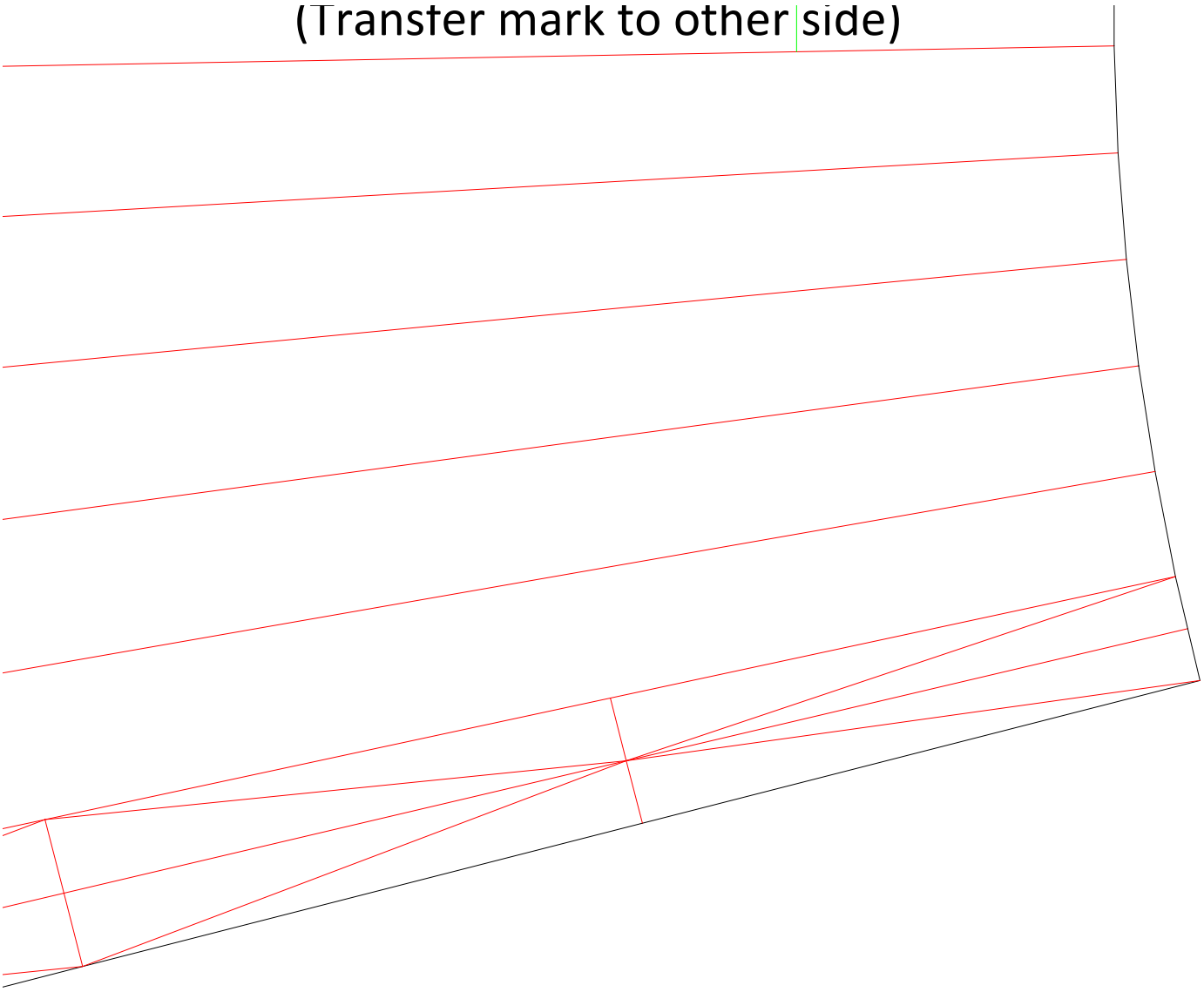
installation step

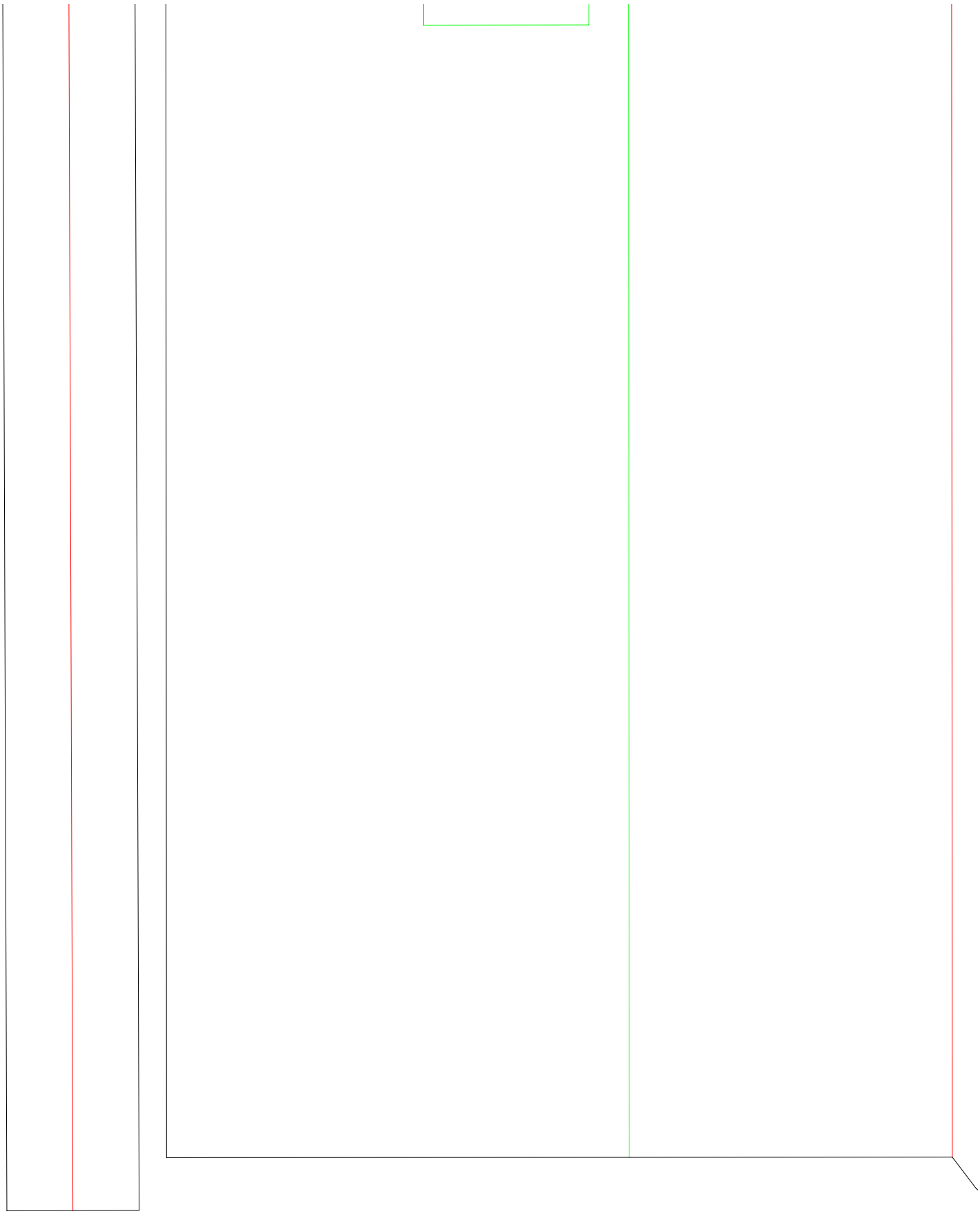
Front of canopy
(Transfer mark to other side)



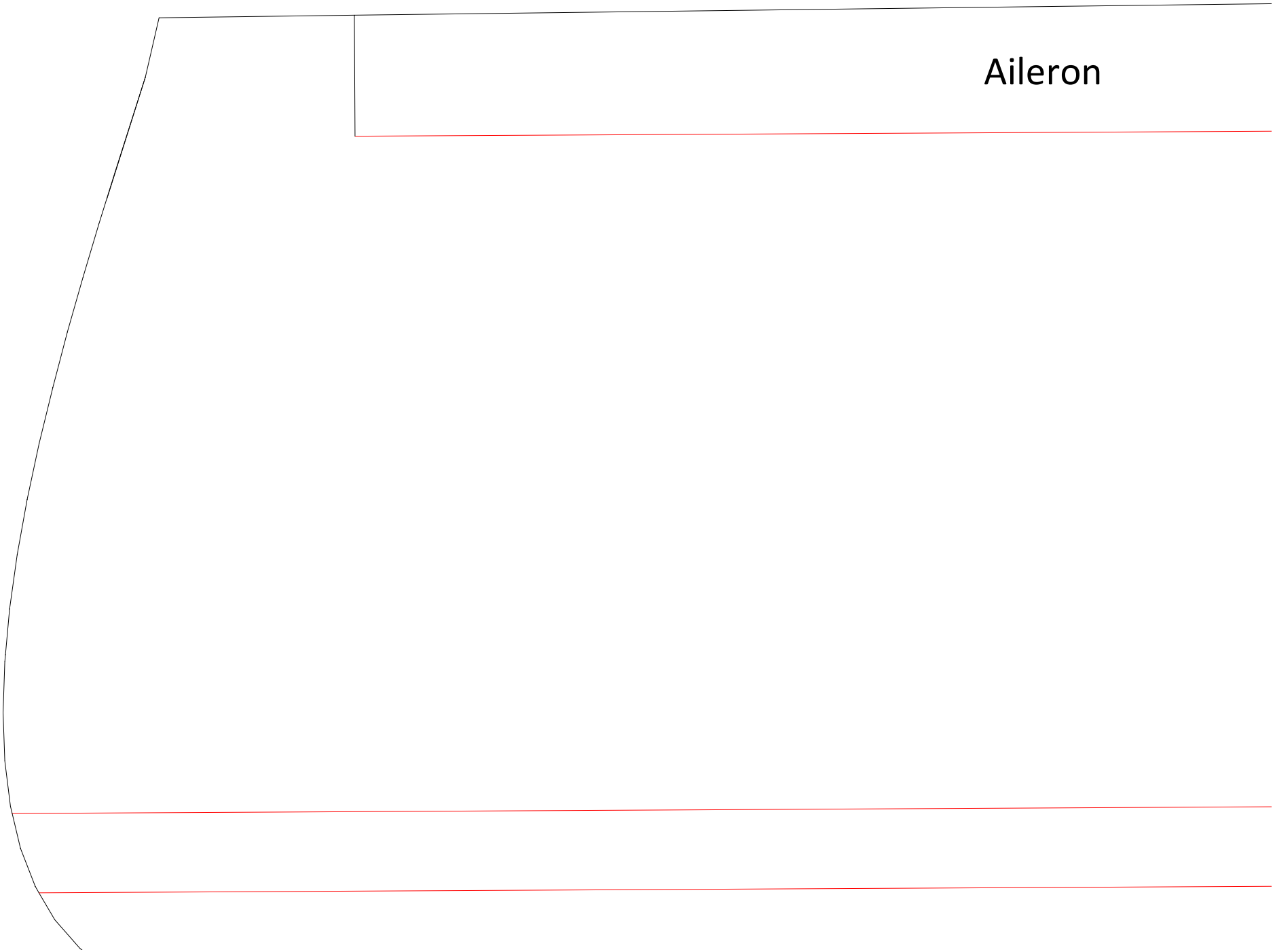


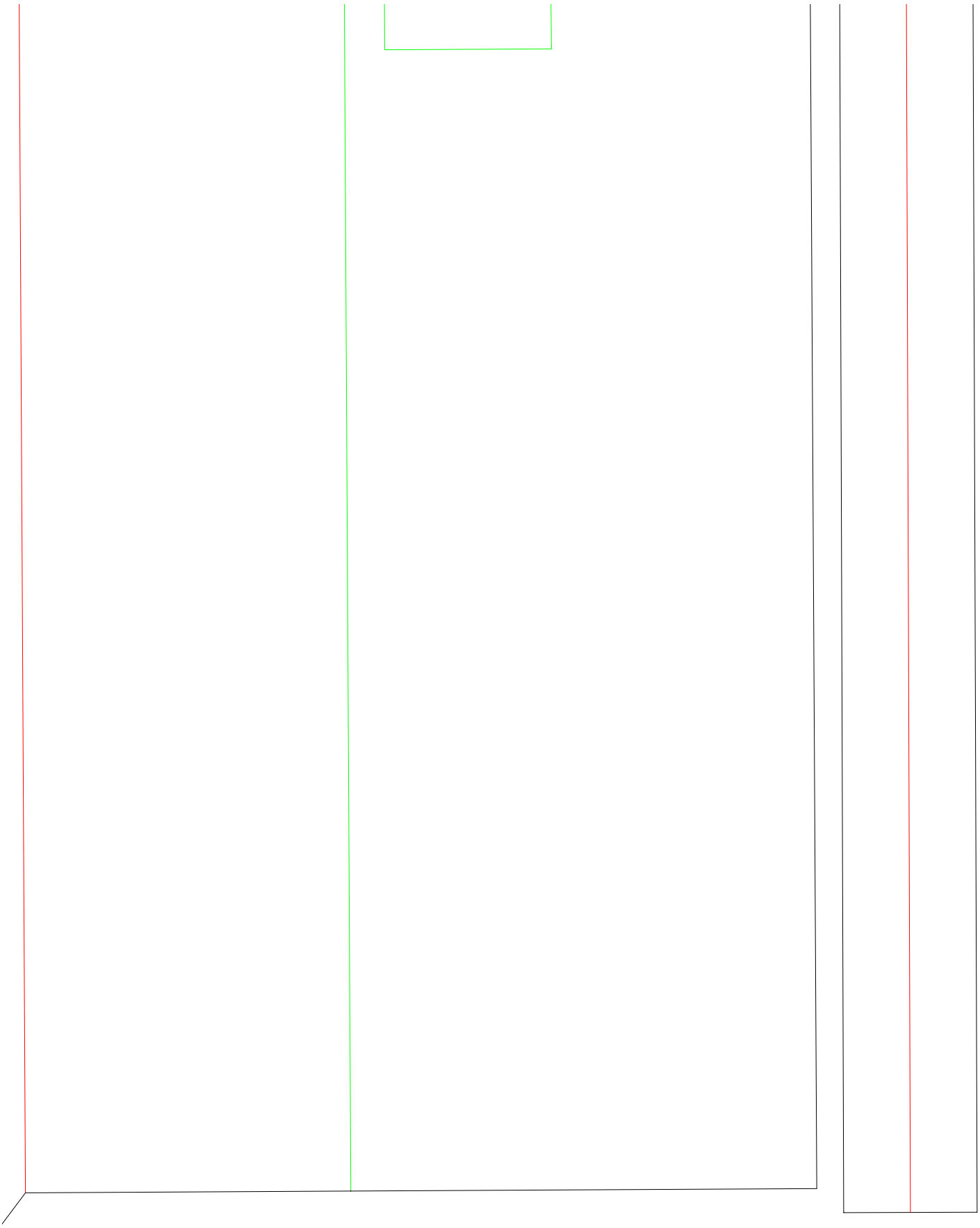
(Transfer mark to other side)

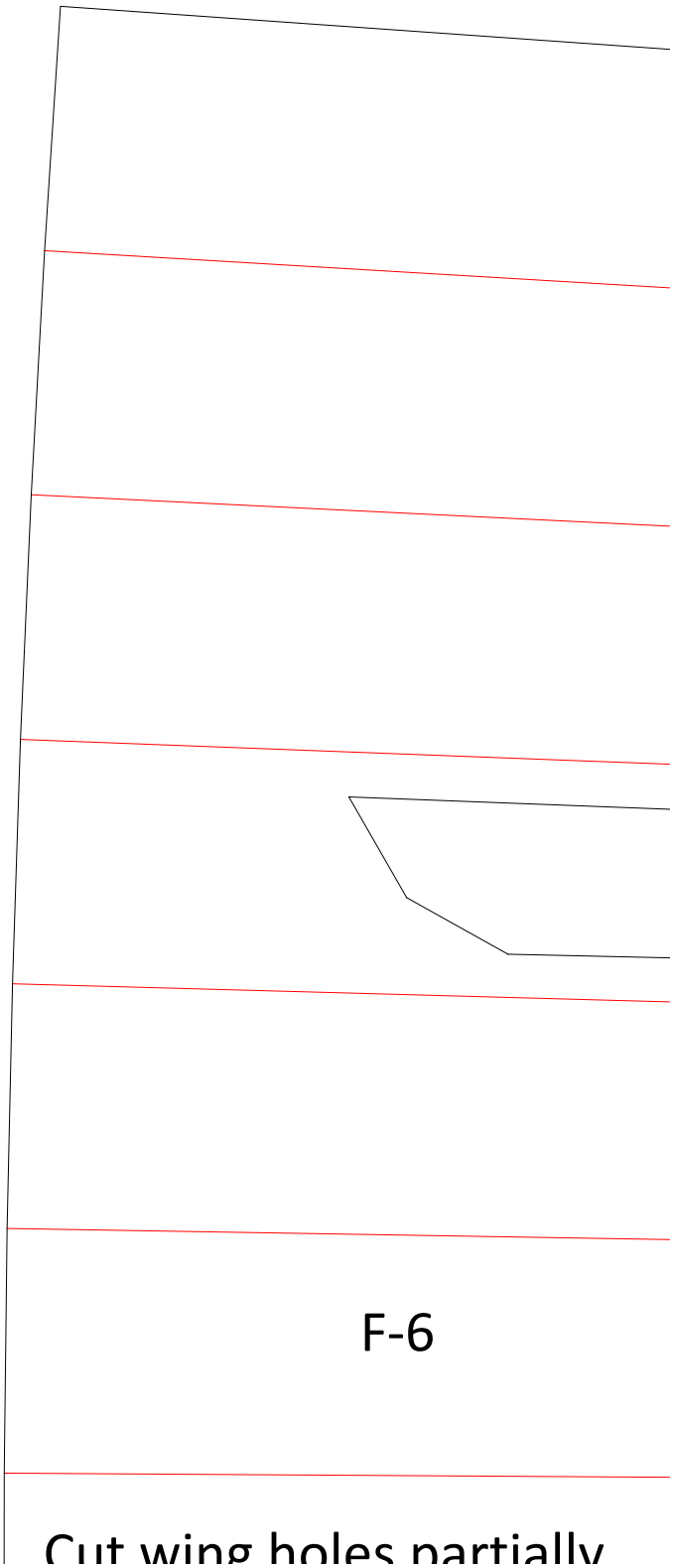




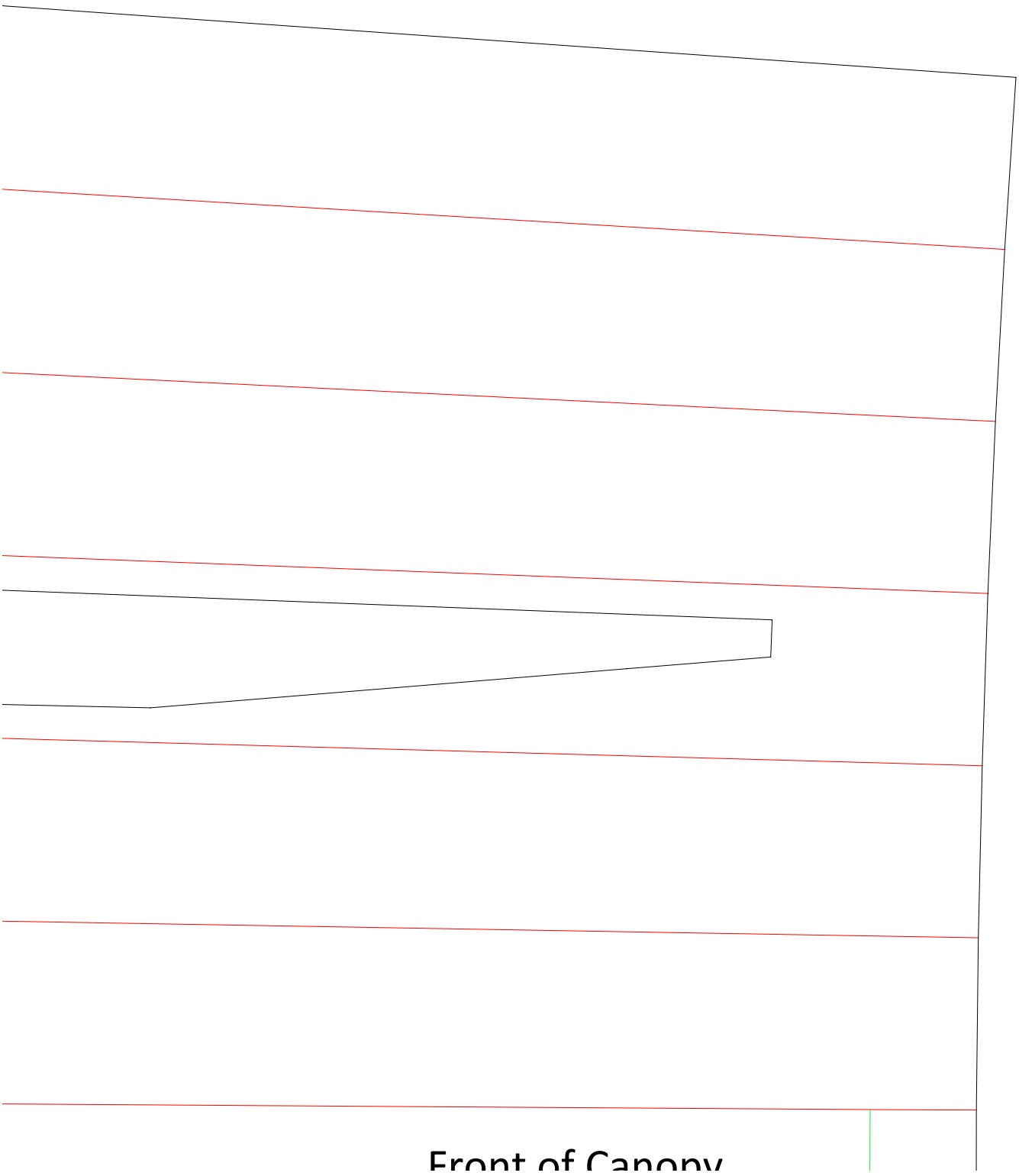
Aileron

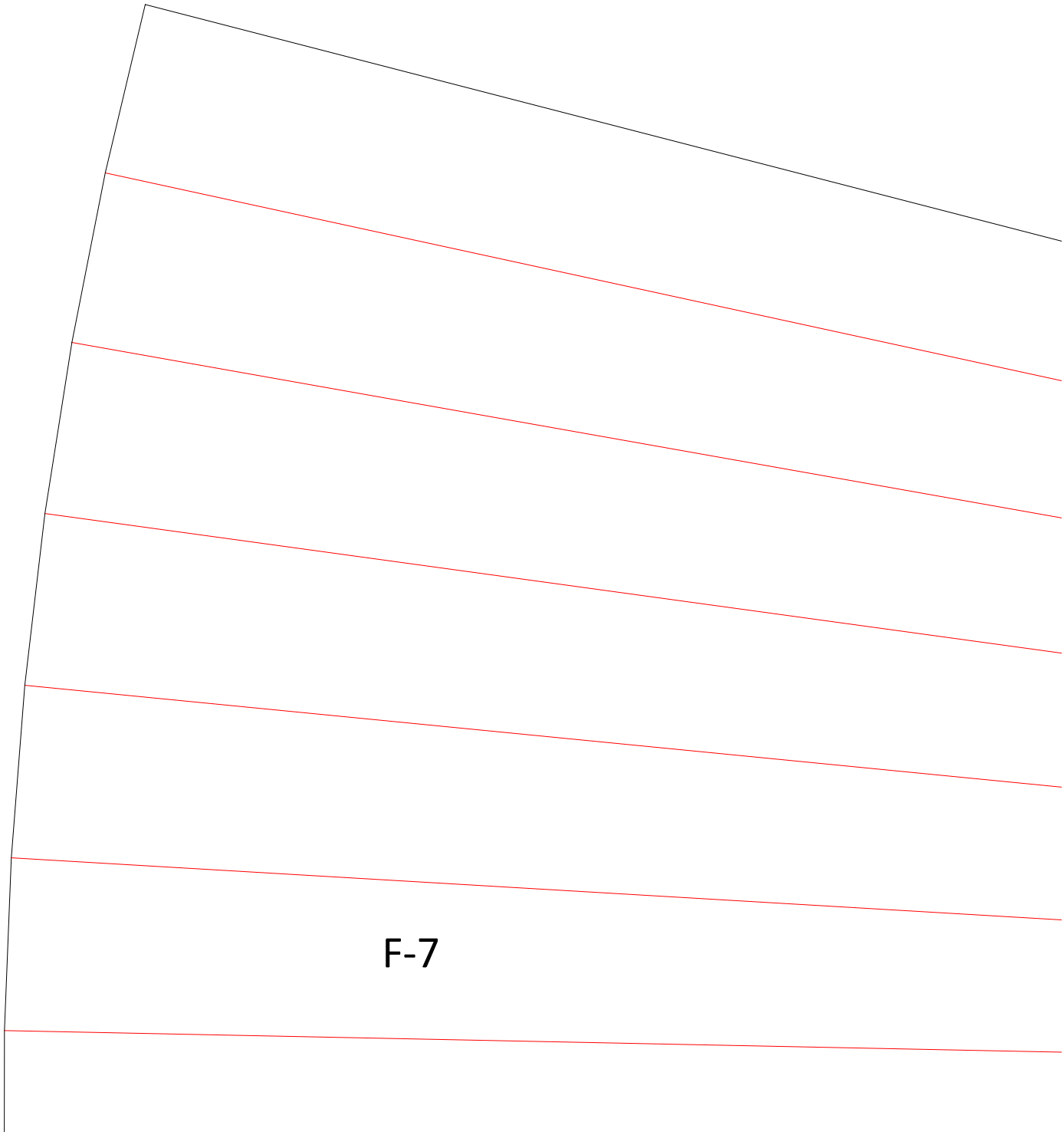

Aileron

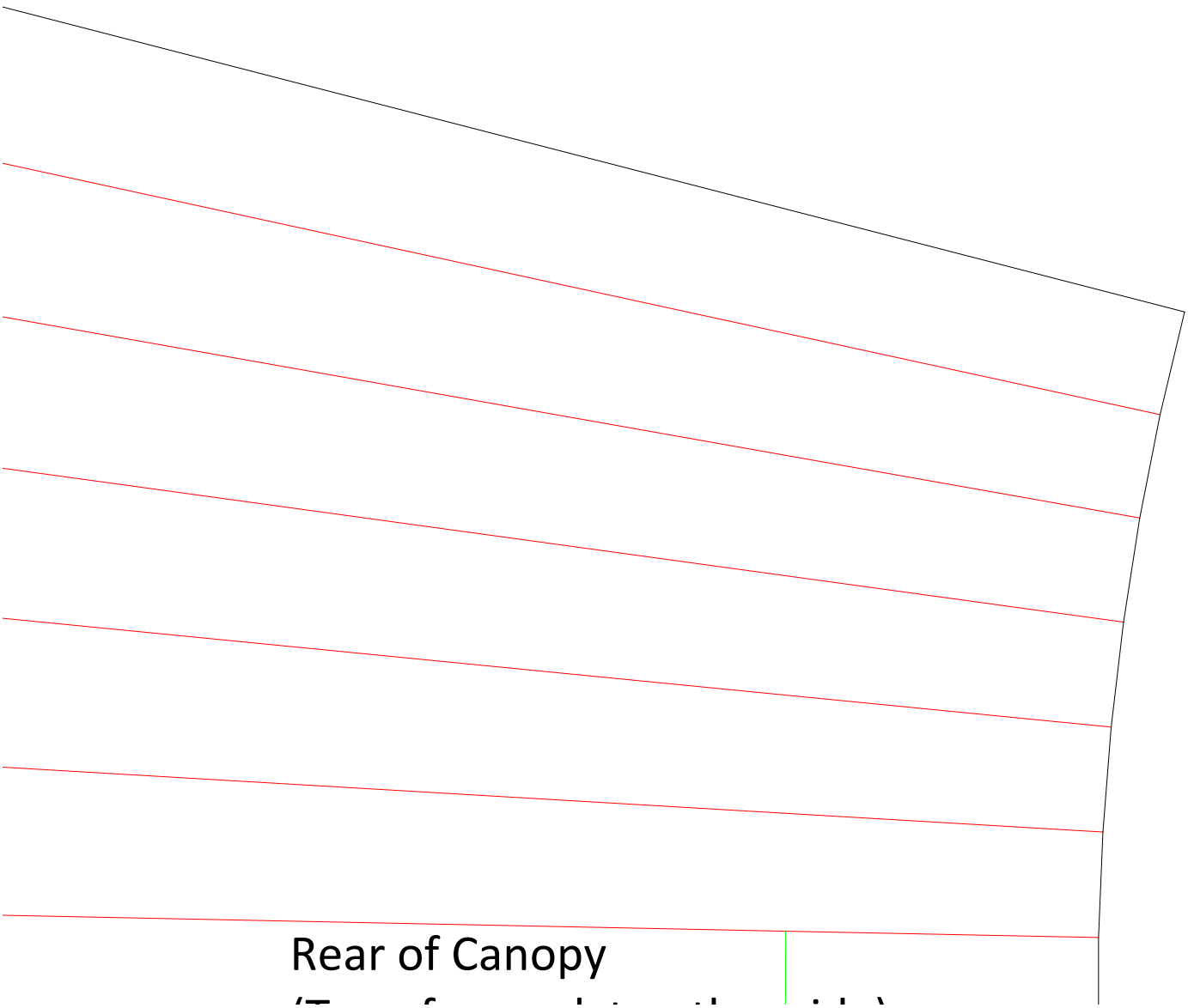


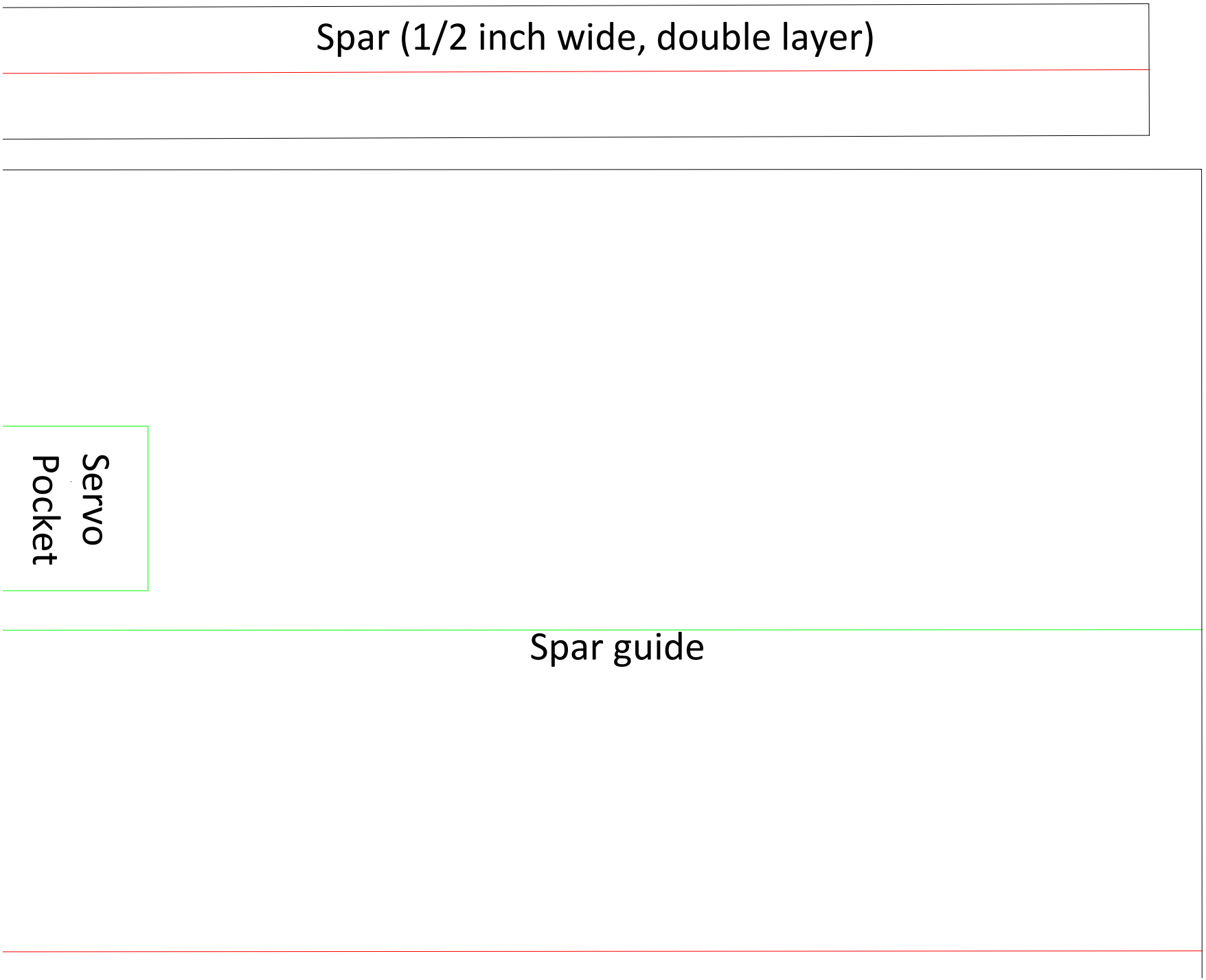


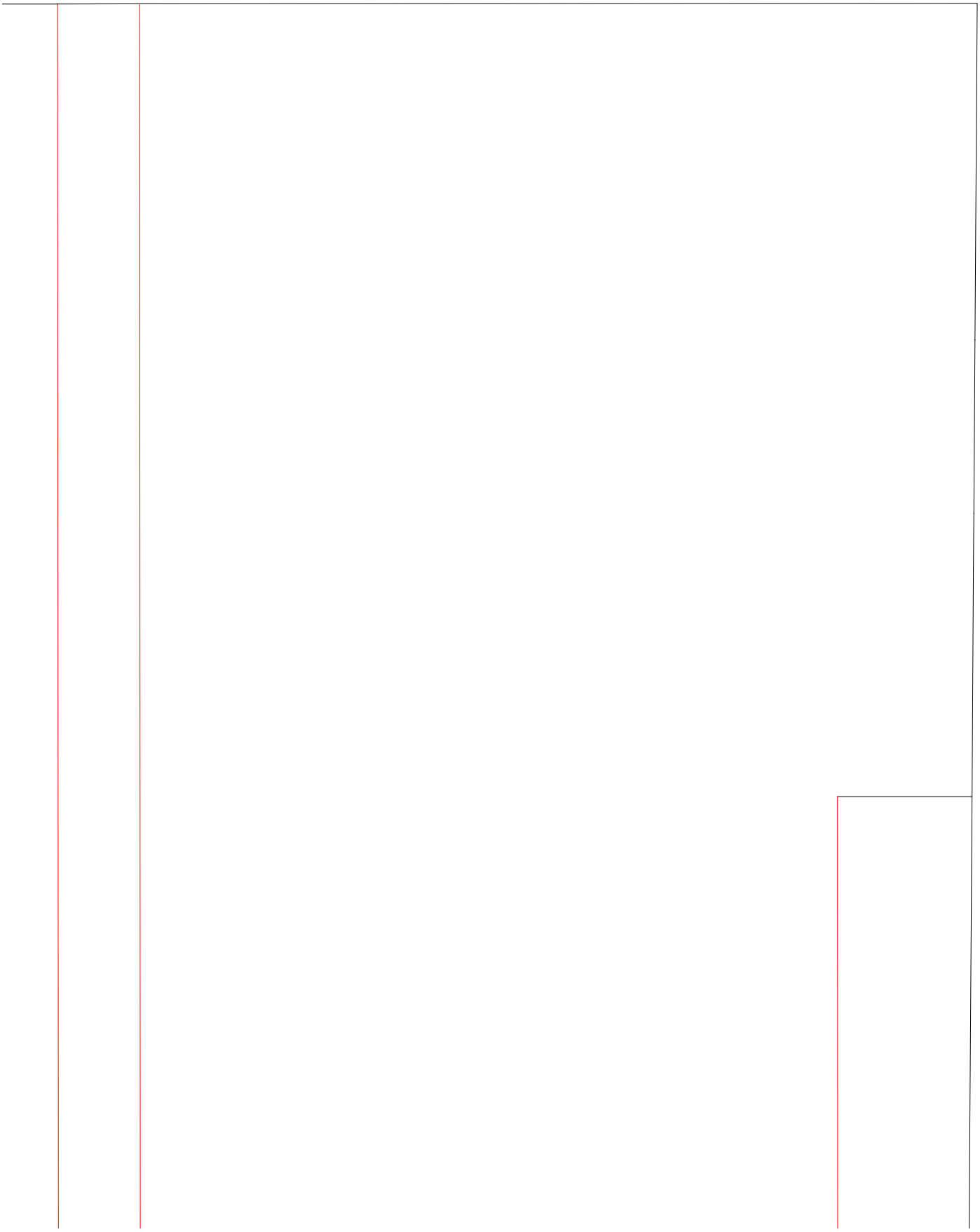
Cut wing holes partially

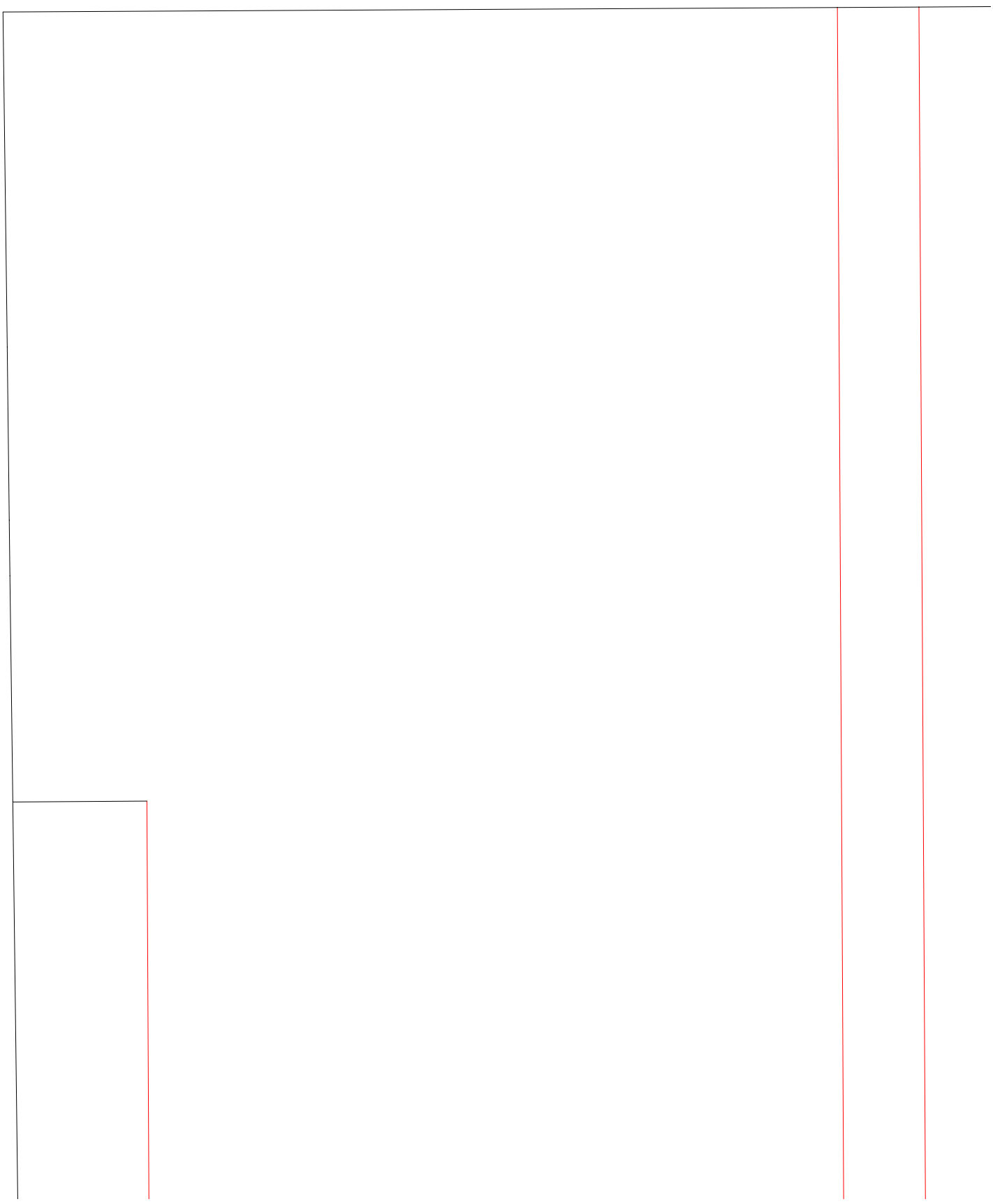

Front of Canopy


F-7


Rear of Canopy


Spar (1/2 inch wide, double layer)
Servo Pocket
Spar guide

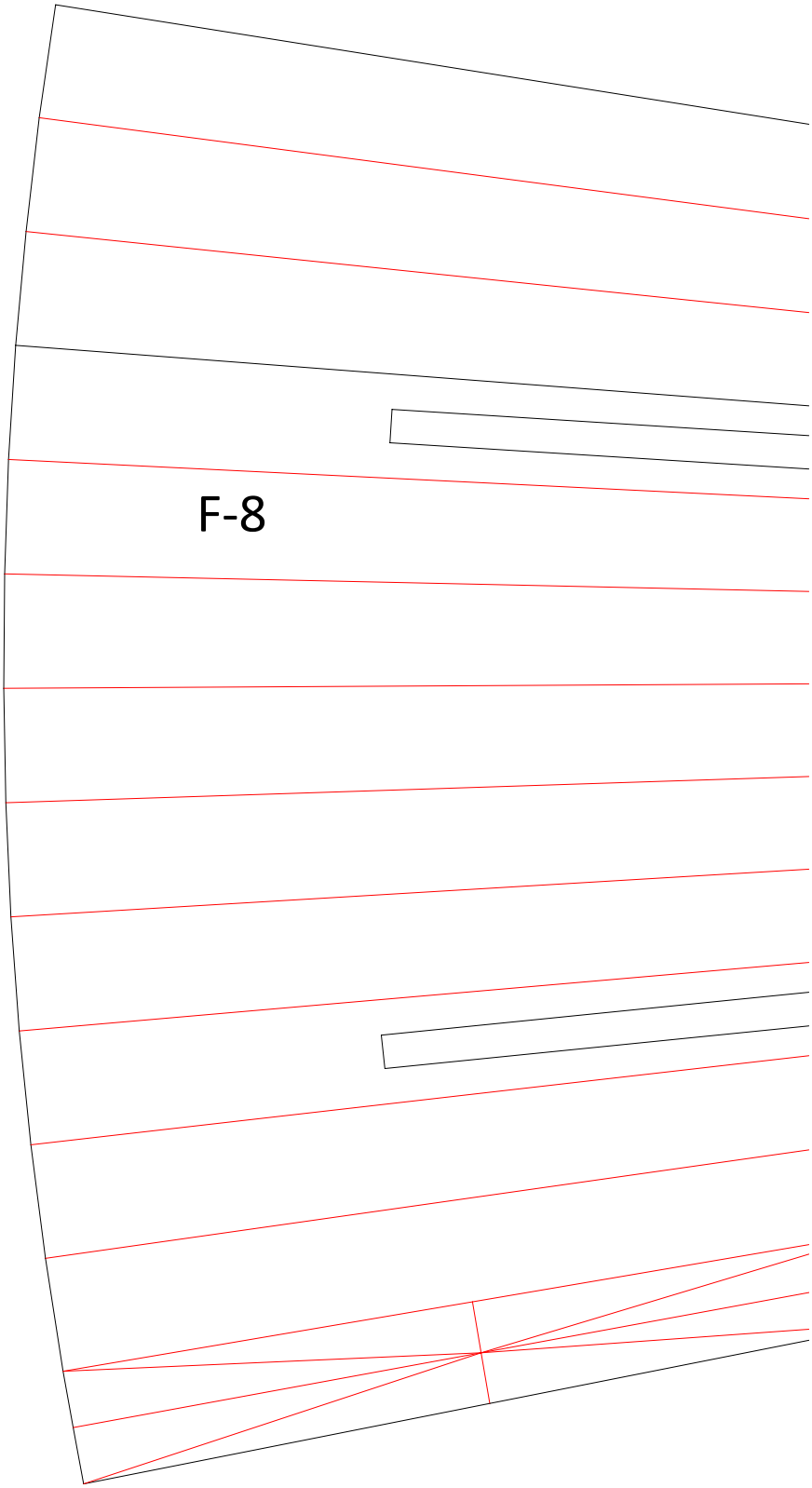


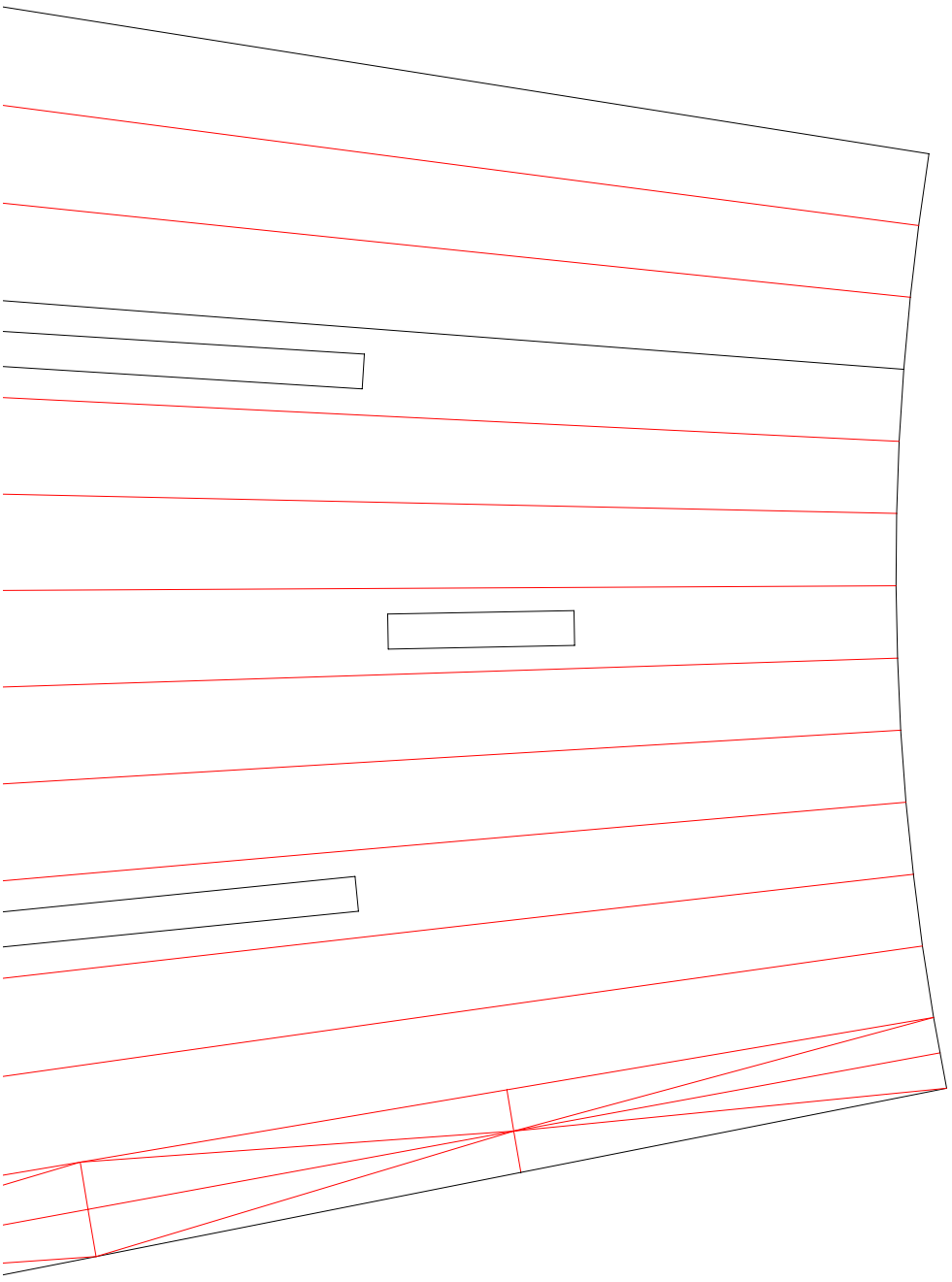


Spar guide

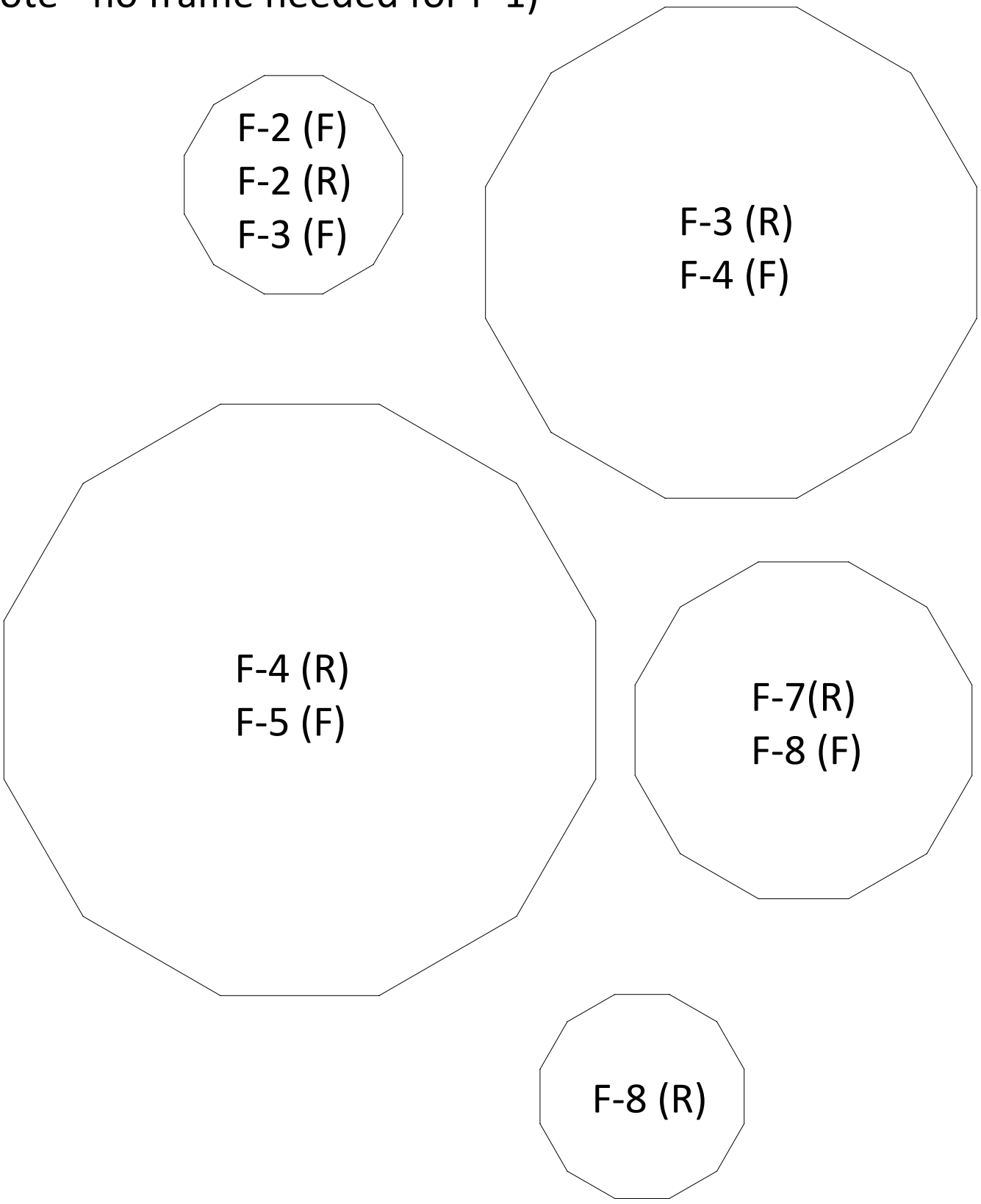
Servo
Pocket

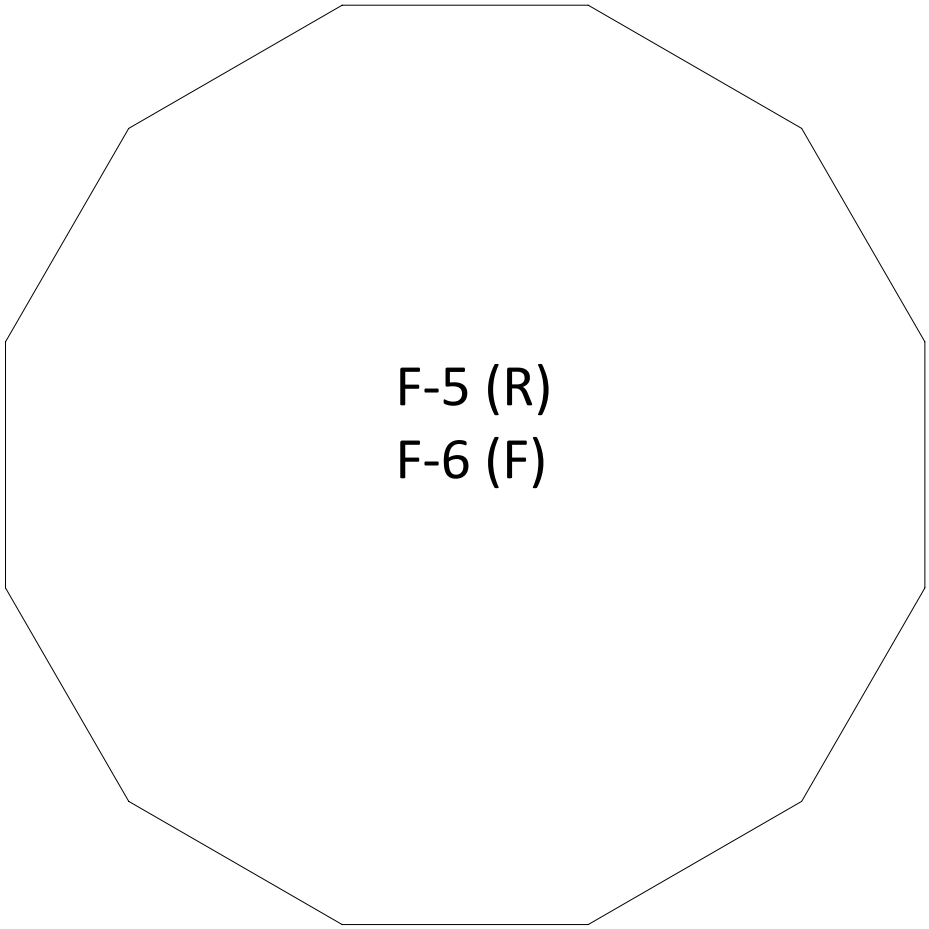
Spar (1/2 inch wide, double layer)

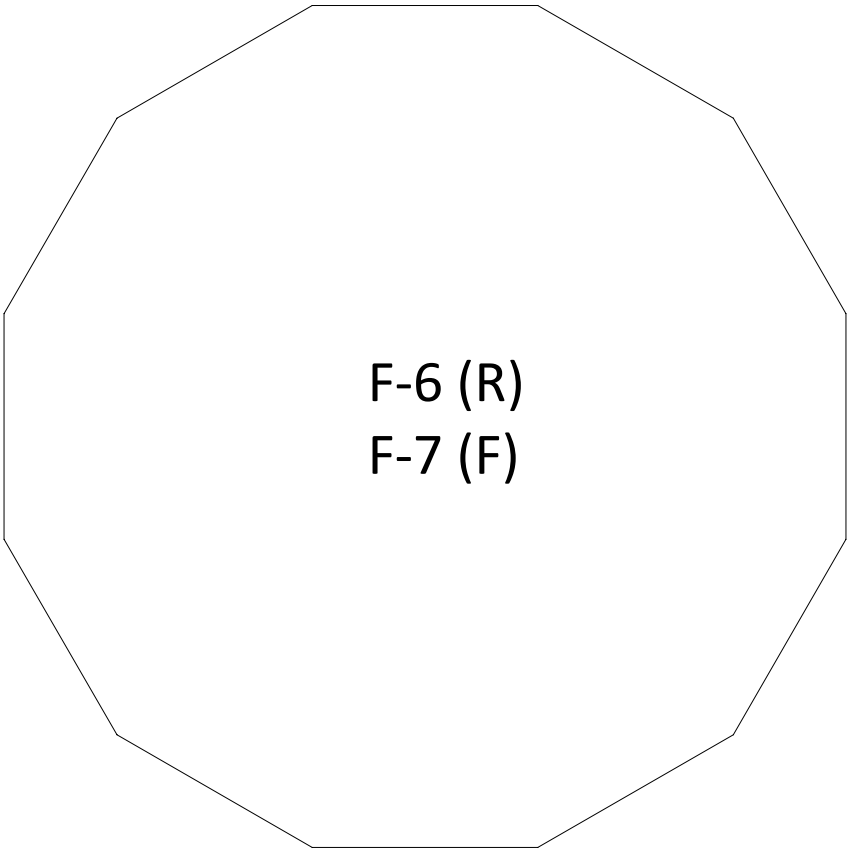

F-8



Fuselage Frames (optional).
Each pulse jet part uses two frames, Front (F) and Rear (R)
Frames can be used on multiple parts (cut multiple copies)
(note - no frame needed for F-1)




F-5 (R)
F-6 (F)


F-6 (R)
F-7 (F)