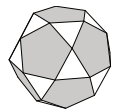
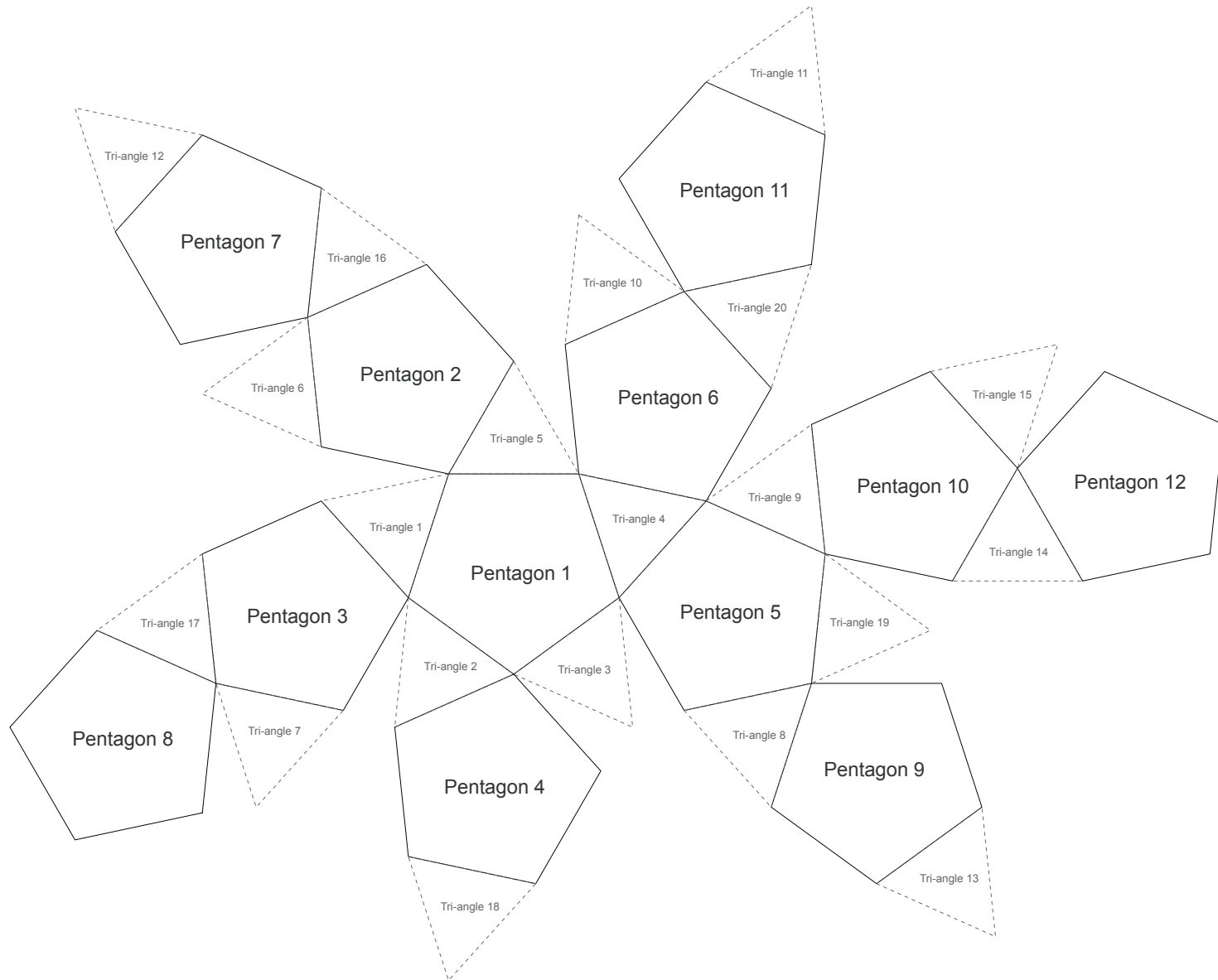


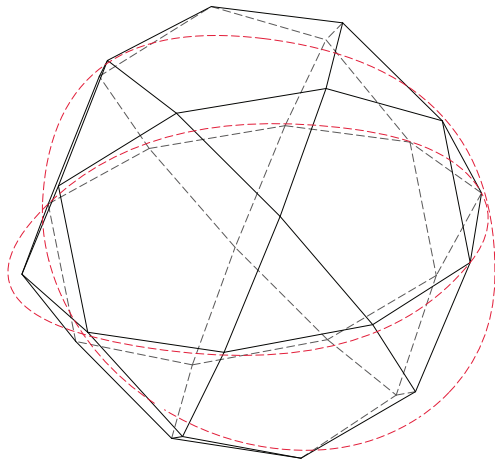
EQUILIBRIUM



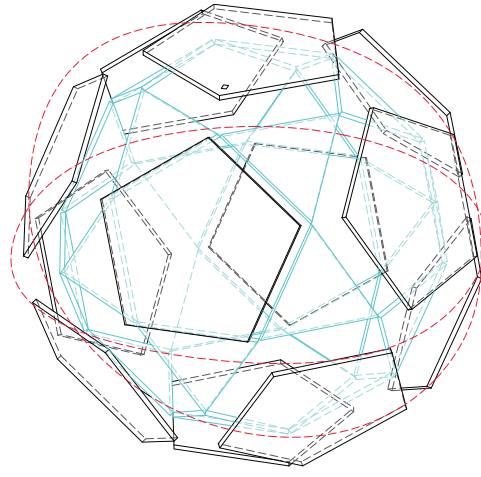
Push & Pull

Planar figure

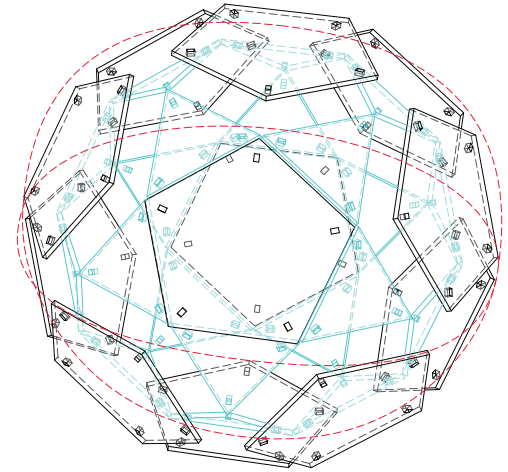




Geometries

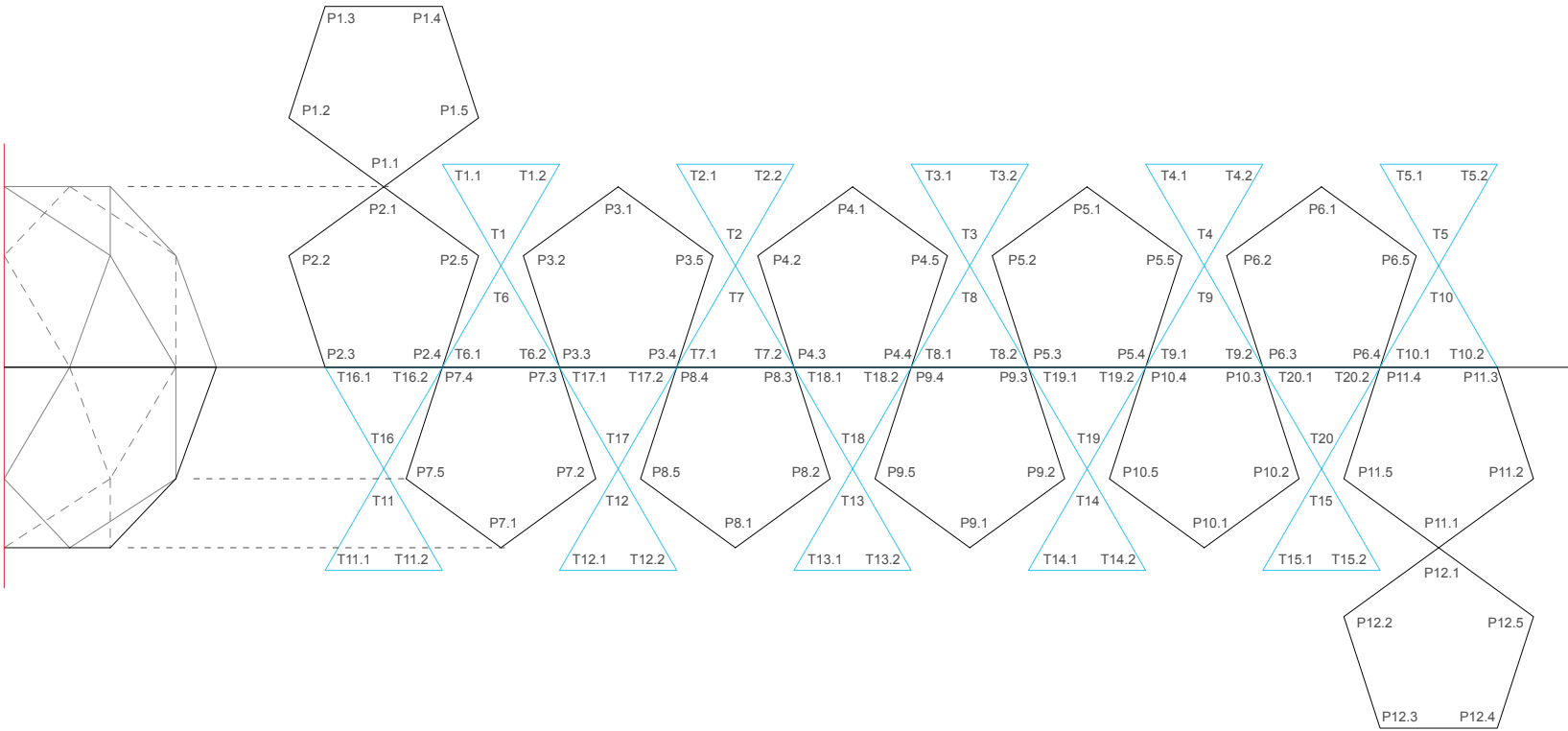


Surfaces offset

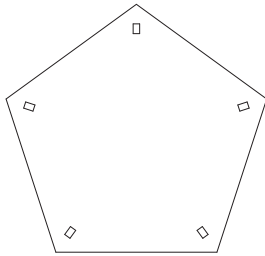


Make holes

Analysis

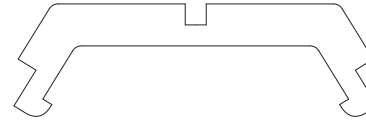


Elements



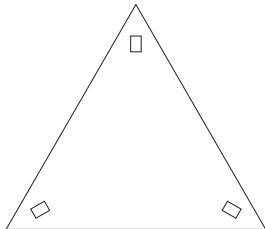
Pentagon

Pieces : 12
Surface : 27
Area : 34.9458 in²
Volume : 2.0389 in³



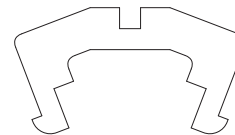
Pentagon joint

Pieces : 30
Surface : 25
Area : 2.0014 in²
Volume : 0.0759 in³



Tri-angle

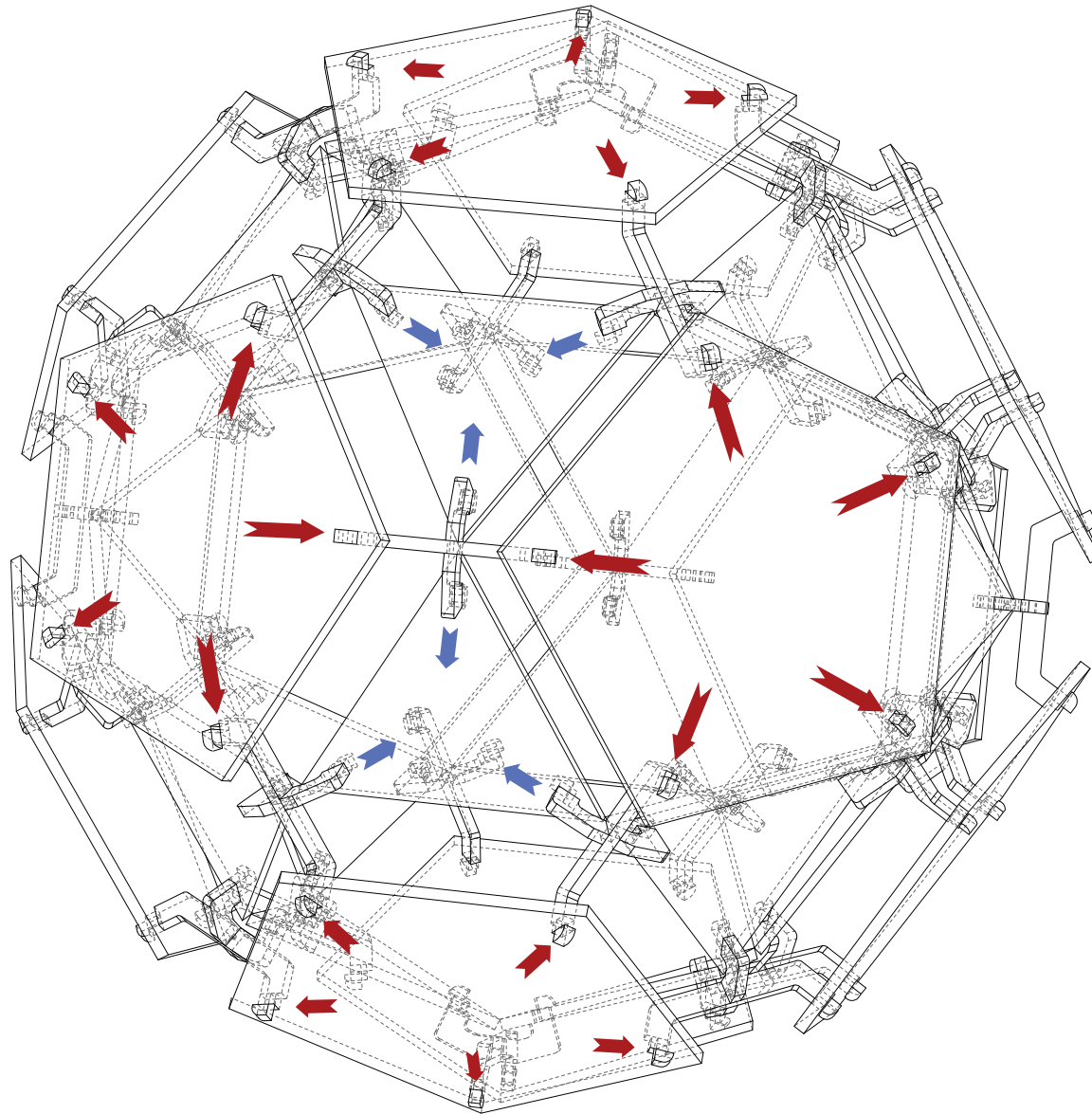
Pieces : 20
Surface : 17
Area : 9.5223 in²
Volume : 0.5080 in³



Tri-angle joint

Pieces : 30
Surface : 28
Area : 1.5530 in²
Volume : 0.0572 in³

Load distribution



Assemble



Sequence 1

Pentagon : 3
Tri-angle : 2
joint : 5

Sequence 2

Pentagon : 5
Tri-angle : 9
joint : 15

Sequence 3

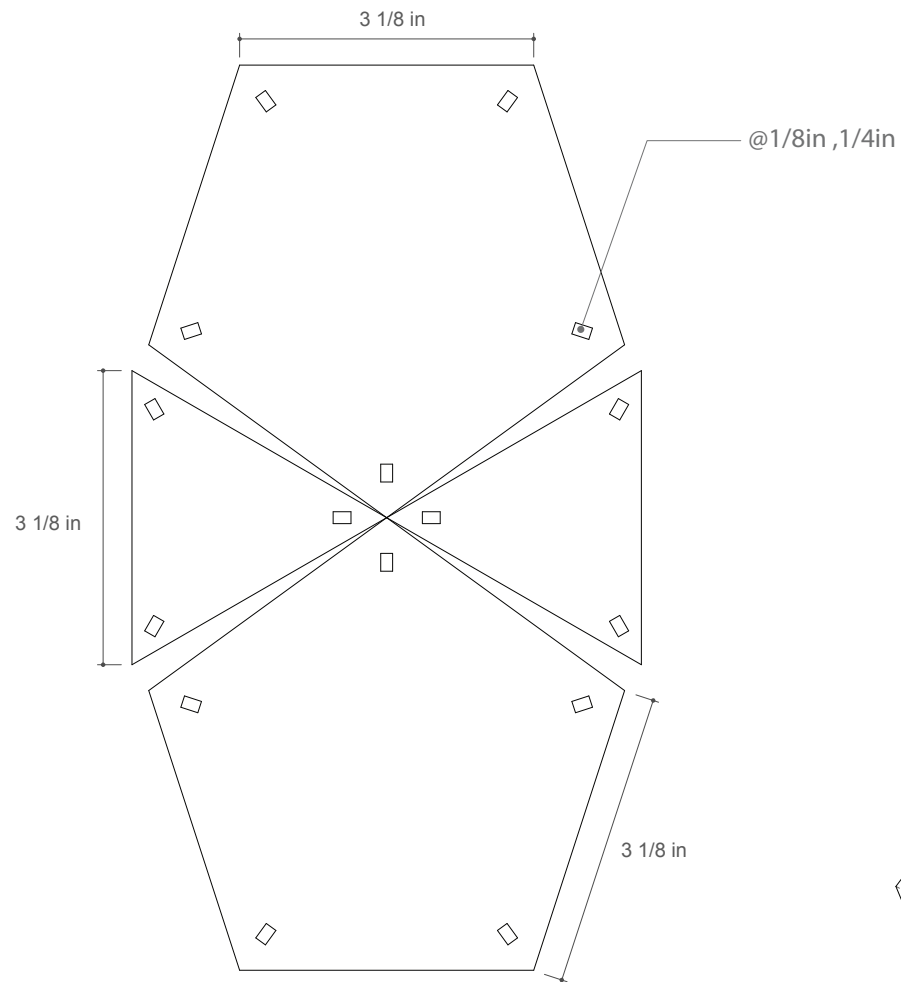
Pentagon : 8
Tri-angle : 17
joint : 23

Sequence 4

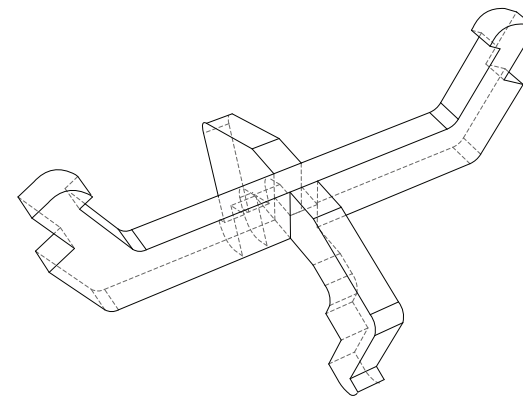
Pentagon : 11
Tri-angle : 18
joint : 29

Sequence 5

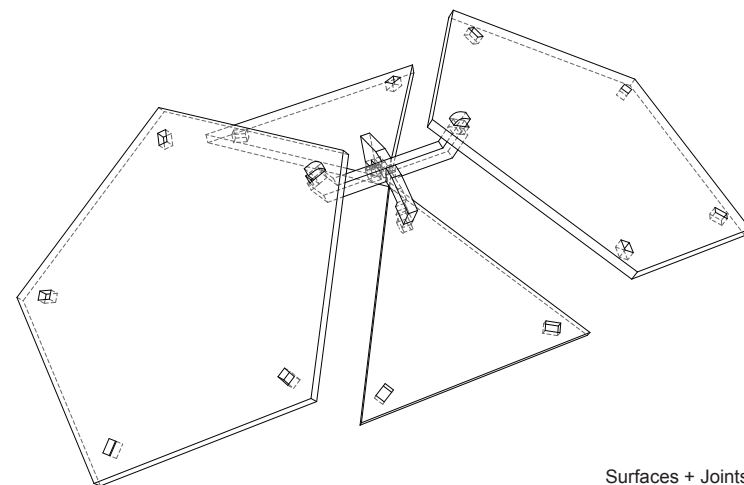
Pentagon : 12
Tri-angle : 20
joint : 30



Surfaces



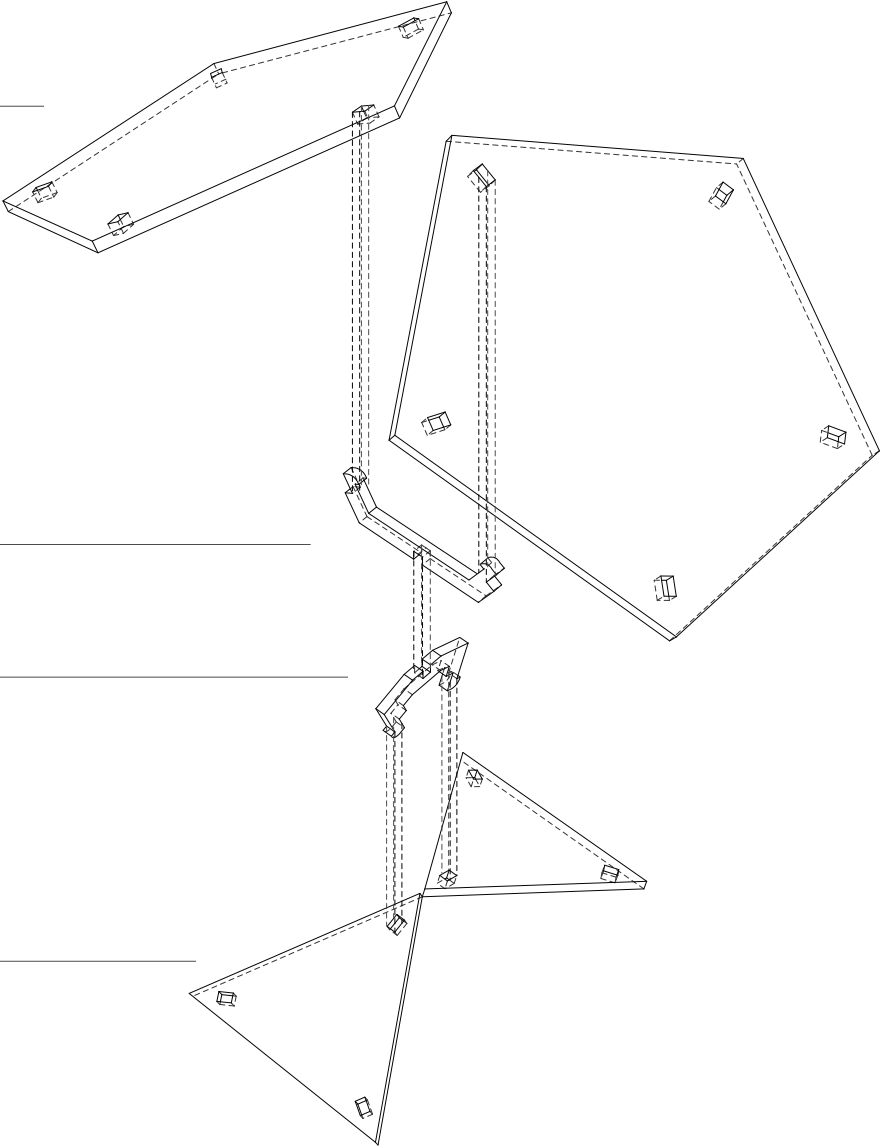
Joints



Surfaces + Joints

Isometrical drawing

Pentagon



Joint 1



Joint 2



Tri-angle

