


THIRTY METER TELESCOPE
SCALE MODEL >>>> 1/500

Completed size 120 x 110 mm

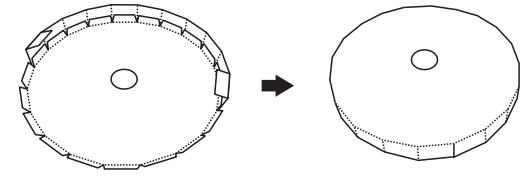
Assembly guide

Telescope Design: Ritchey-Chretien
Primary Mirror Diameter: 30m
(1.44m x 492 segments)
Weight: 2650 tons
Height: 56m (including enclosure)
Preferred Site: Maunakea, HI
[Learn more at tmt.org](http://www.tmt.org)

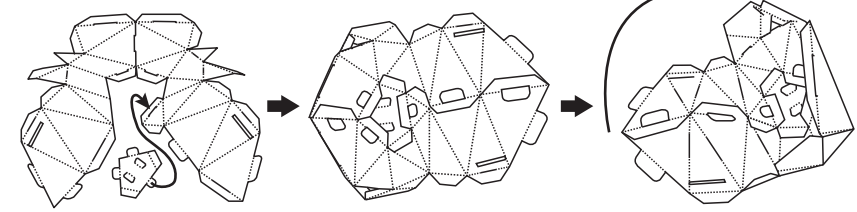
- Use tweezers for small parts and hard to reach areas.
- Use a toothpick to apply a small amount of wood glue to sections marked with 



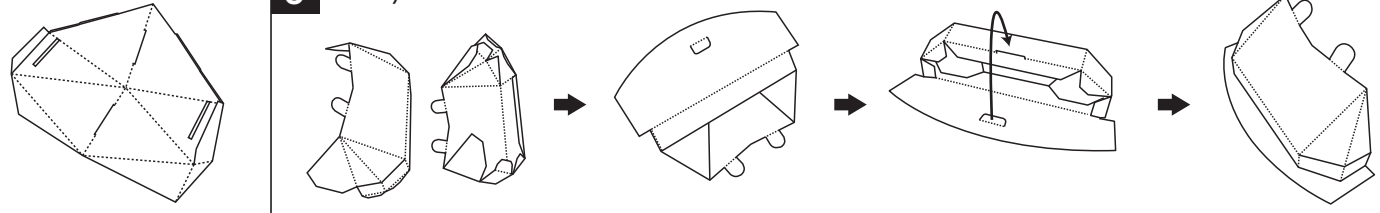
1 Azimuth Track + Azimuth Track Outer Wall



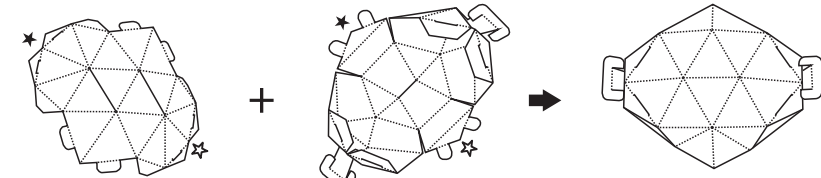
2 Azimuth Structure (Left) + Azimuth Structure (Right) + Azimuth Structure (Bottom)



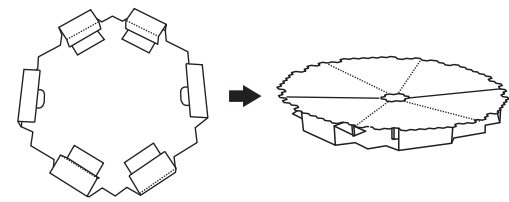
3 Nasmyth Deck



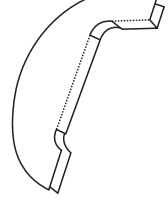
4 Lower Truss Structure + Lower Truss Structure Top



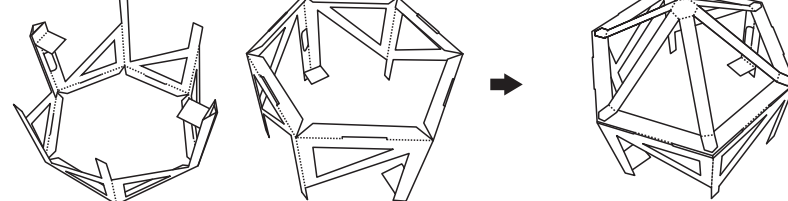
5 Primary Mirror Cell + Primary Mirror



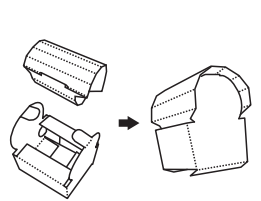
6 Elevation Journal



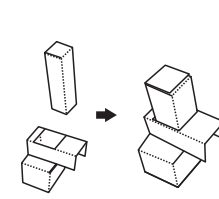
7 Upper Truss Structure + Spider (6 Legs Secondary Support)



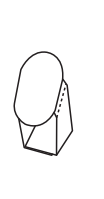
8 (A) WFOS + WFOS Trestle



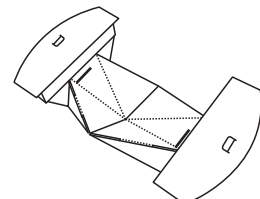
(B) NFIRAOS + IRMS / IRIS



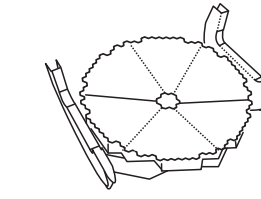
(C) Tertiary Mirror



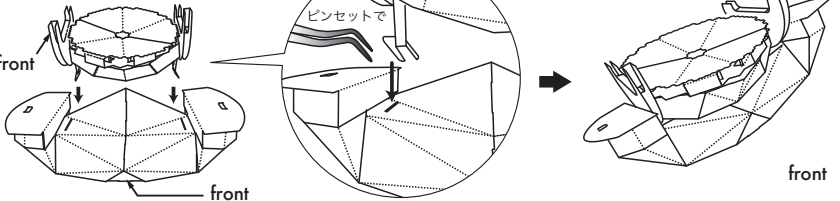
9 2 + 3



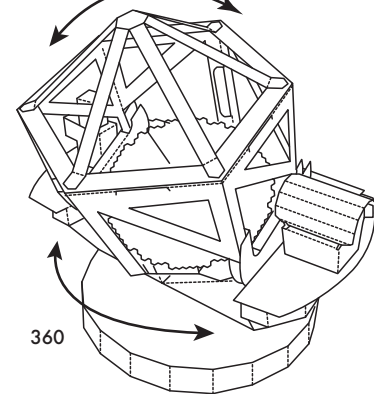
10 4 + 5 + 6



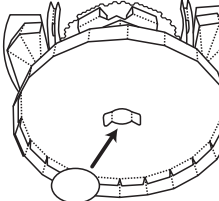
11 9 + 10



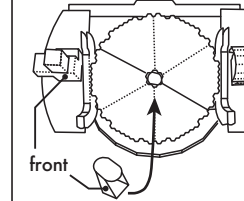
finished



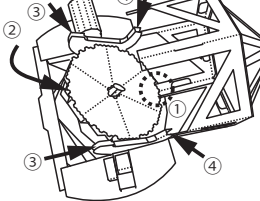
12 9 + Pintle Bearing



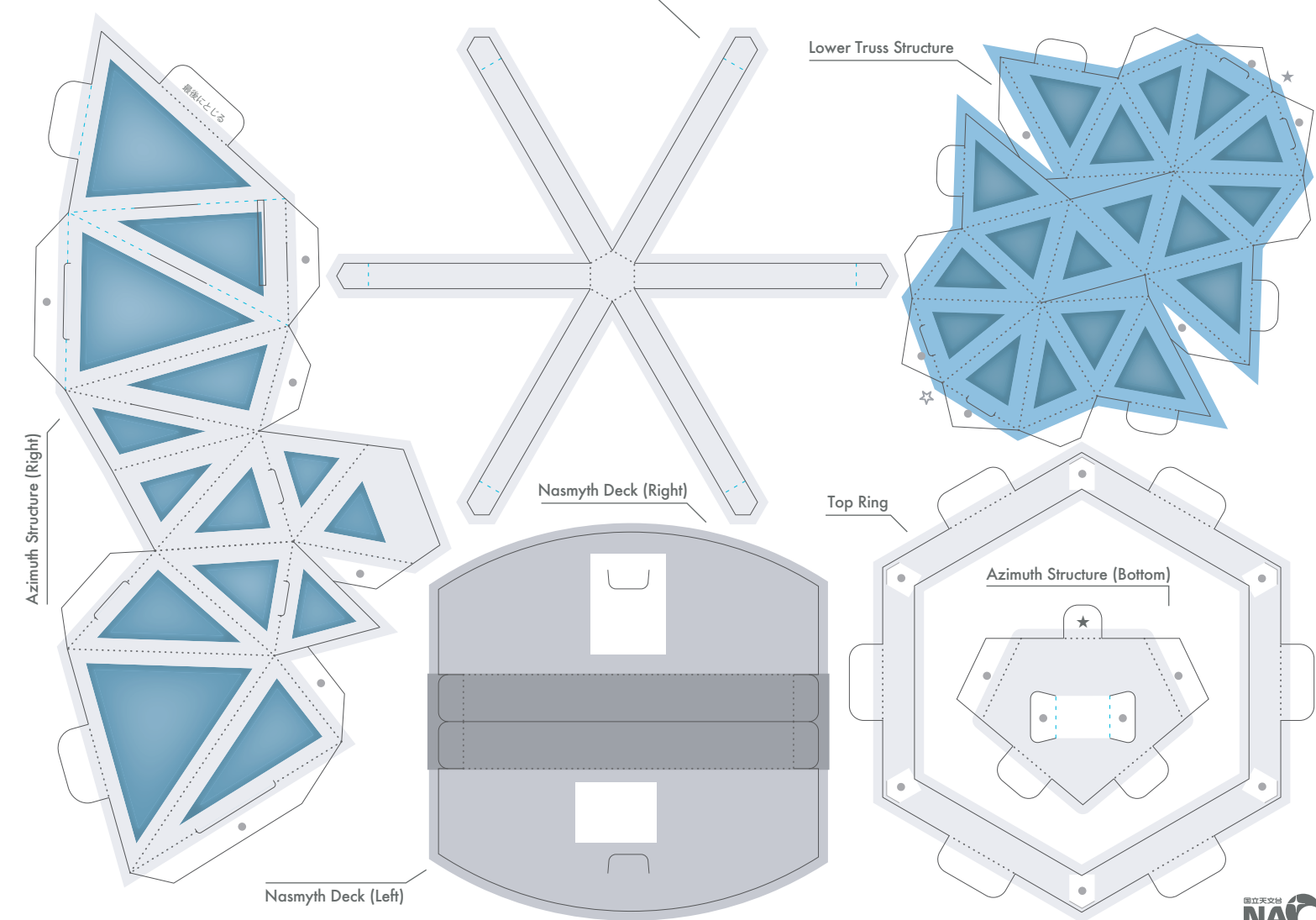
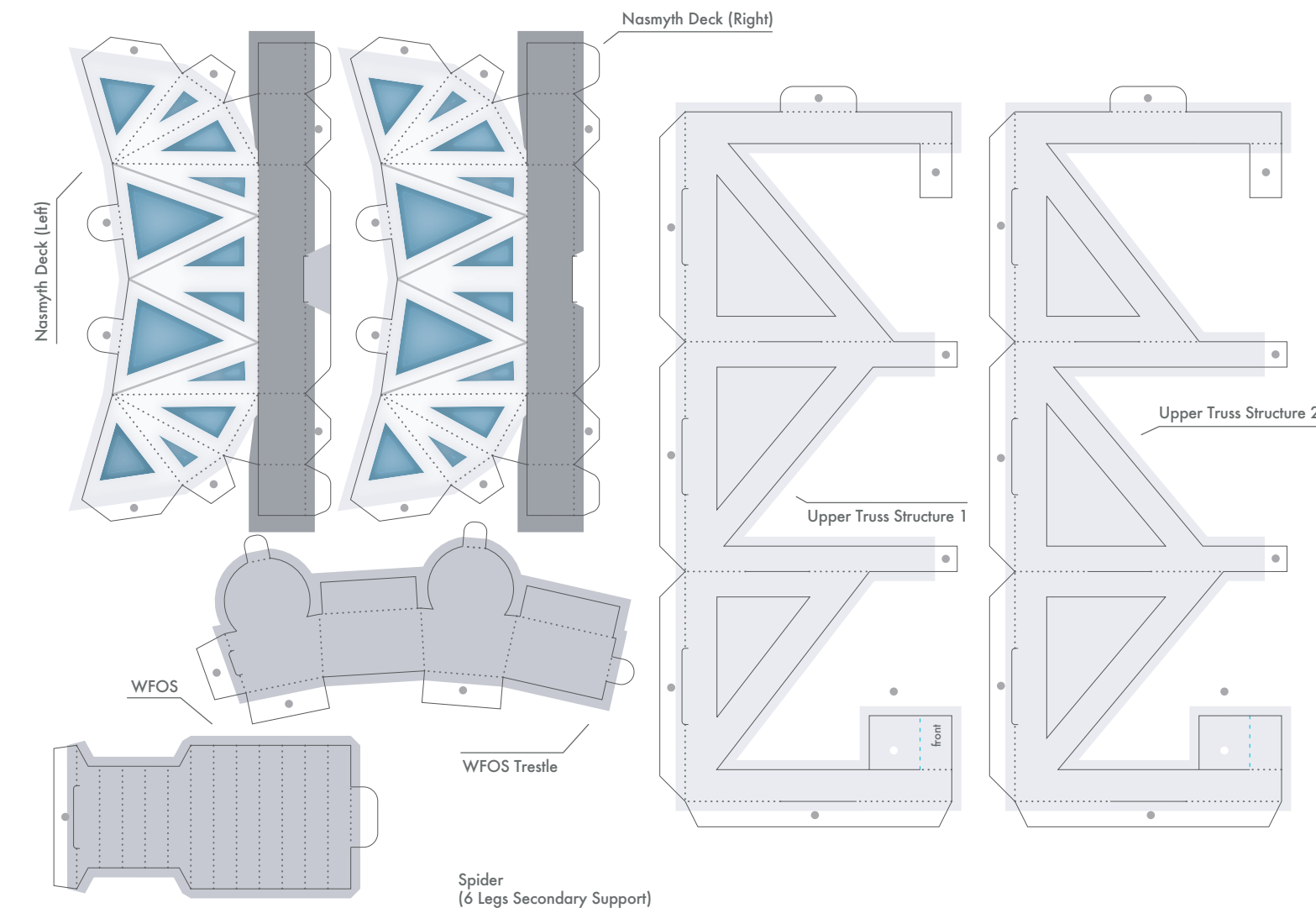
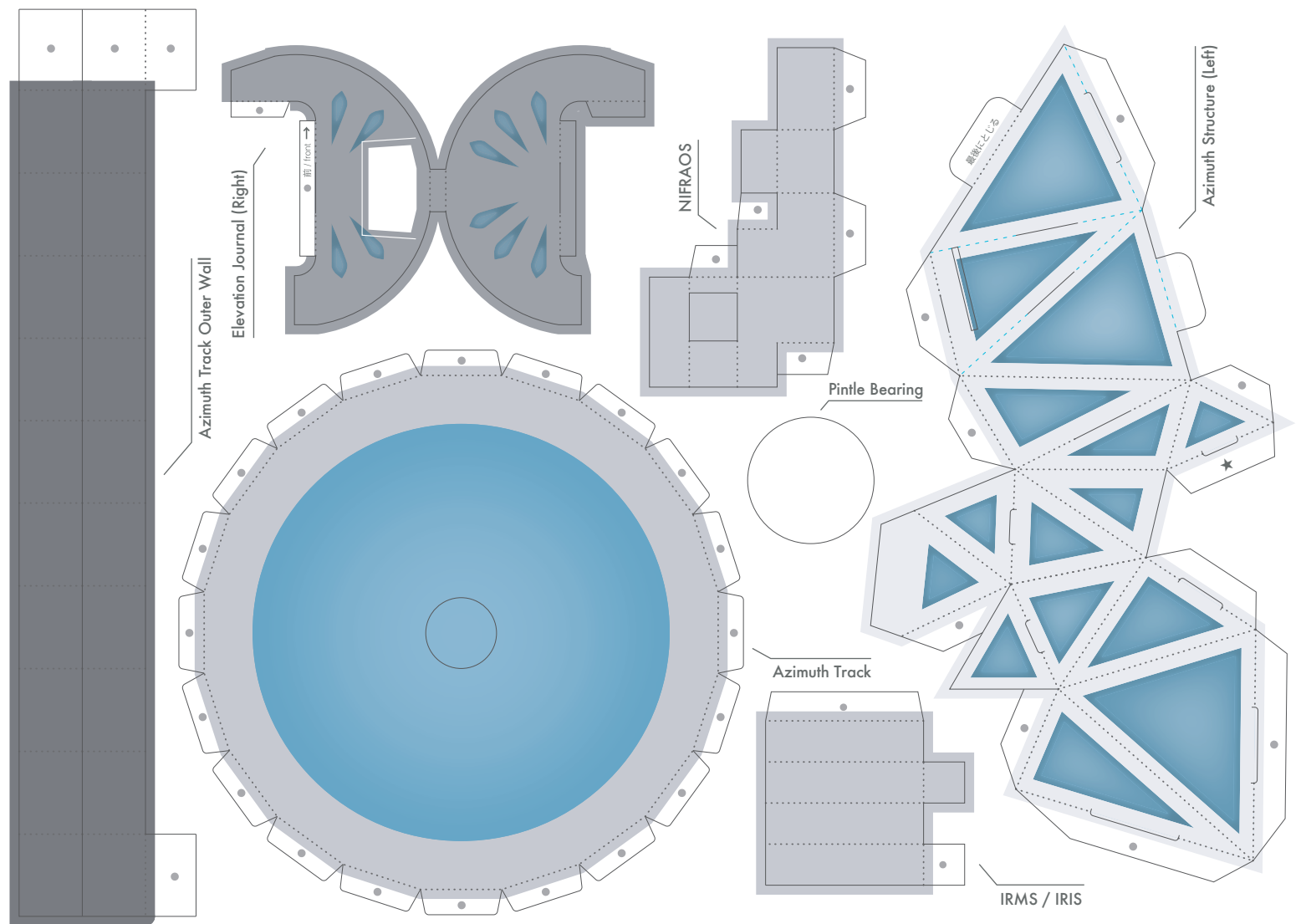
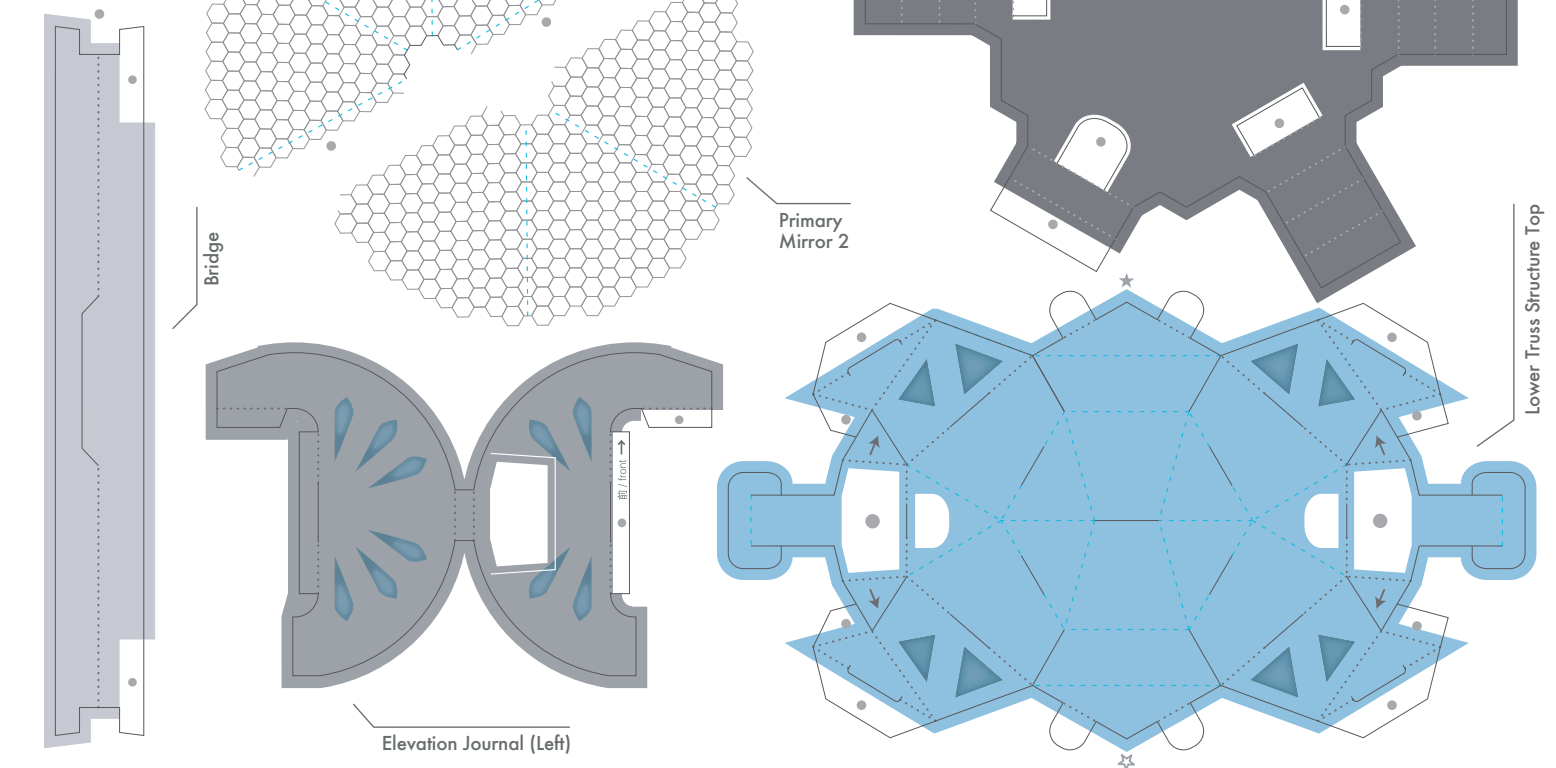
13 12 + 8 + Bridge



14 4 + 7

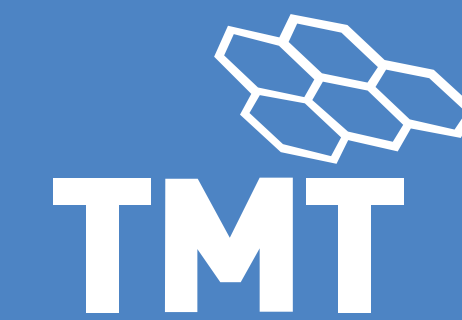
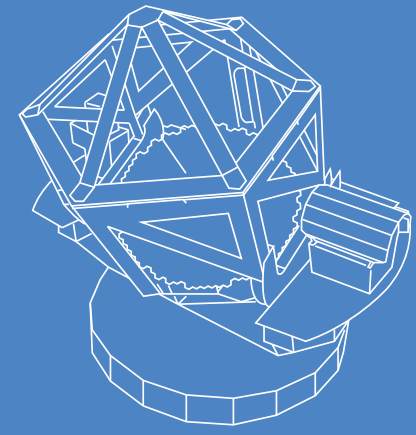


- M-fold
- - - - - V-fold
- glue



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