



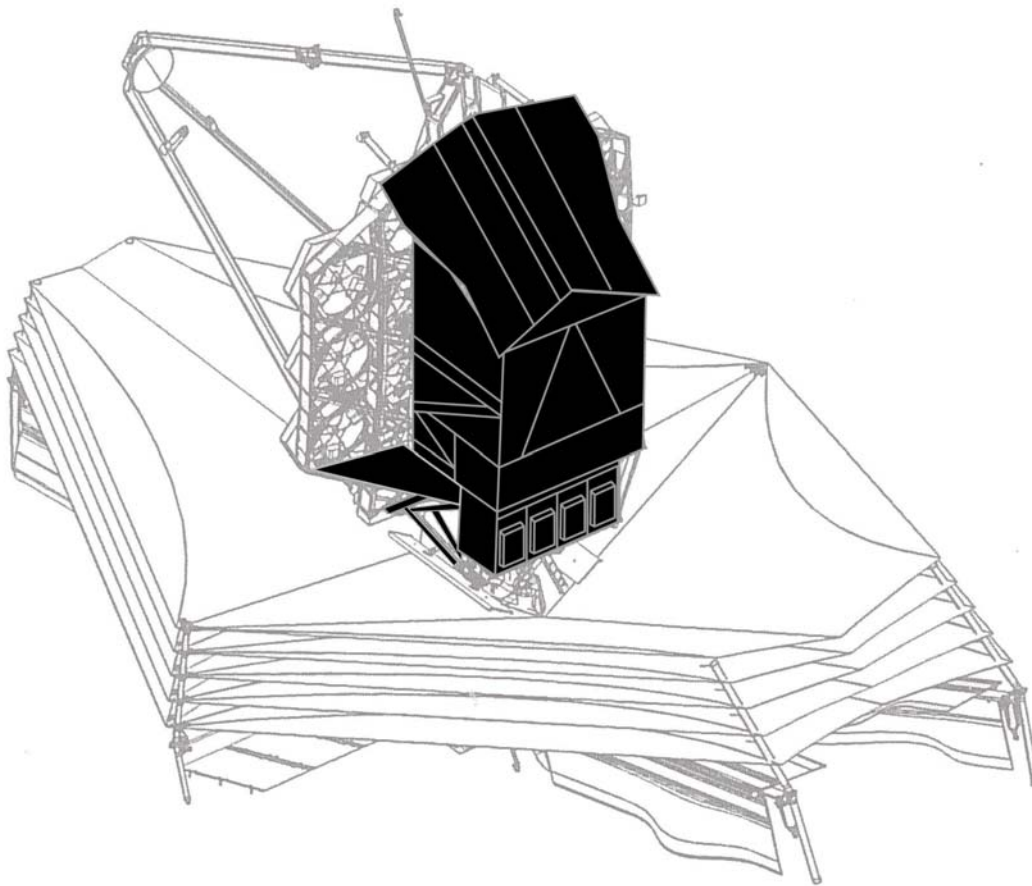
National Aeronautics and Space Administration
Goddard Space Flight Center
Greenbelt, Maryland 20771



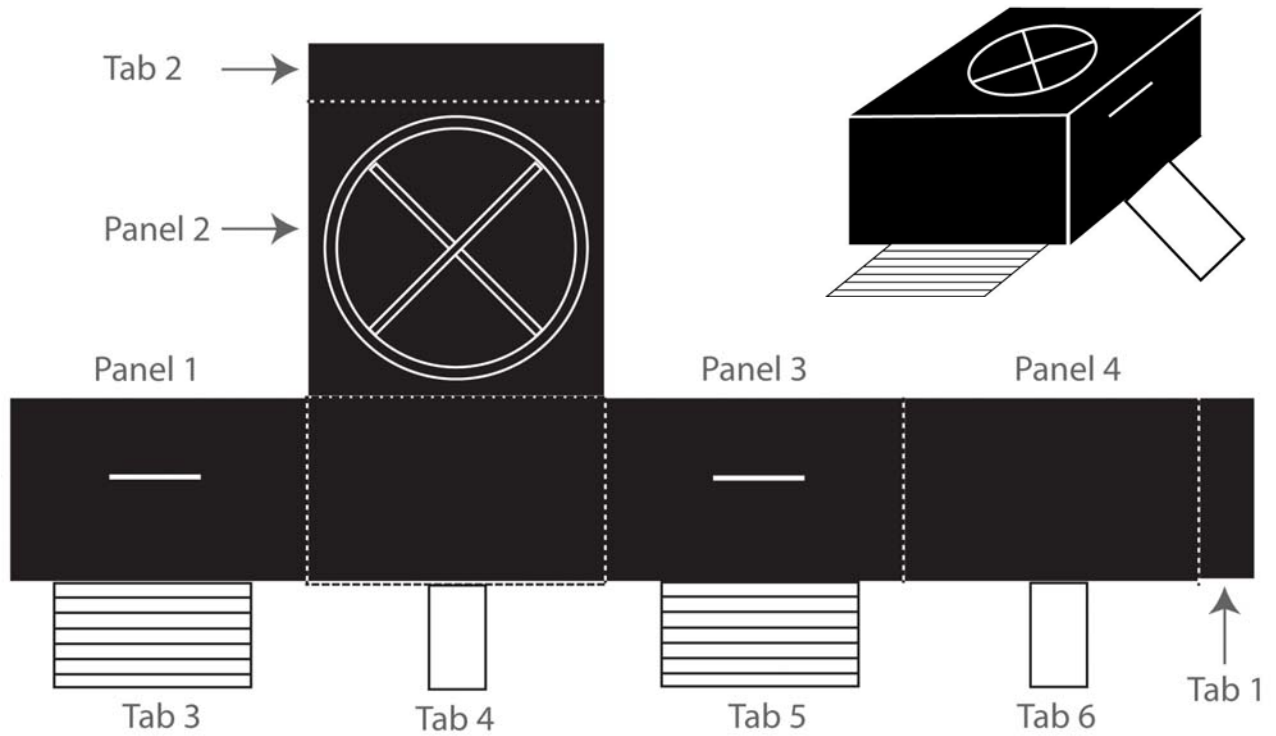
James Webb Space Telescope

Observatory Model

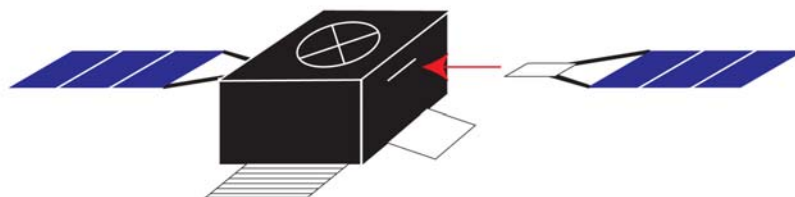
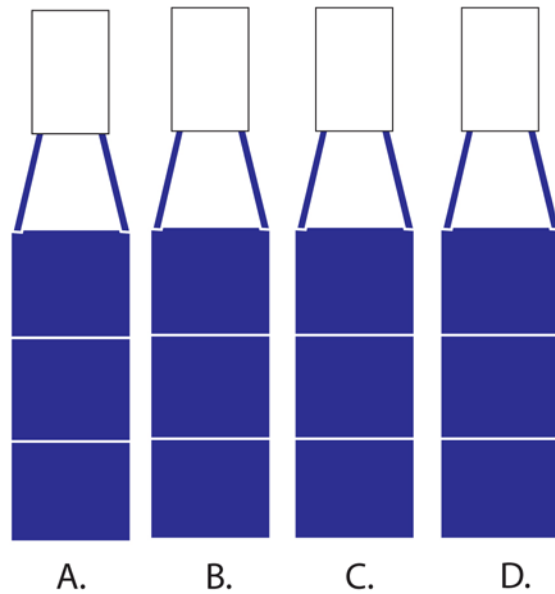
Building Printouts of Assembly Parts



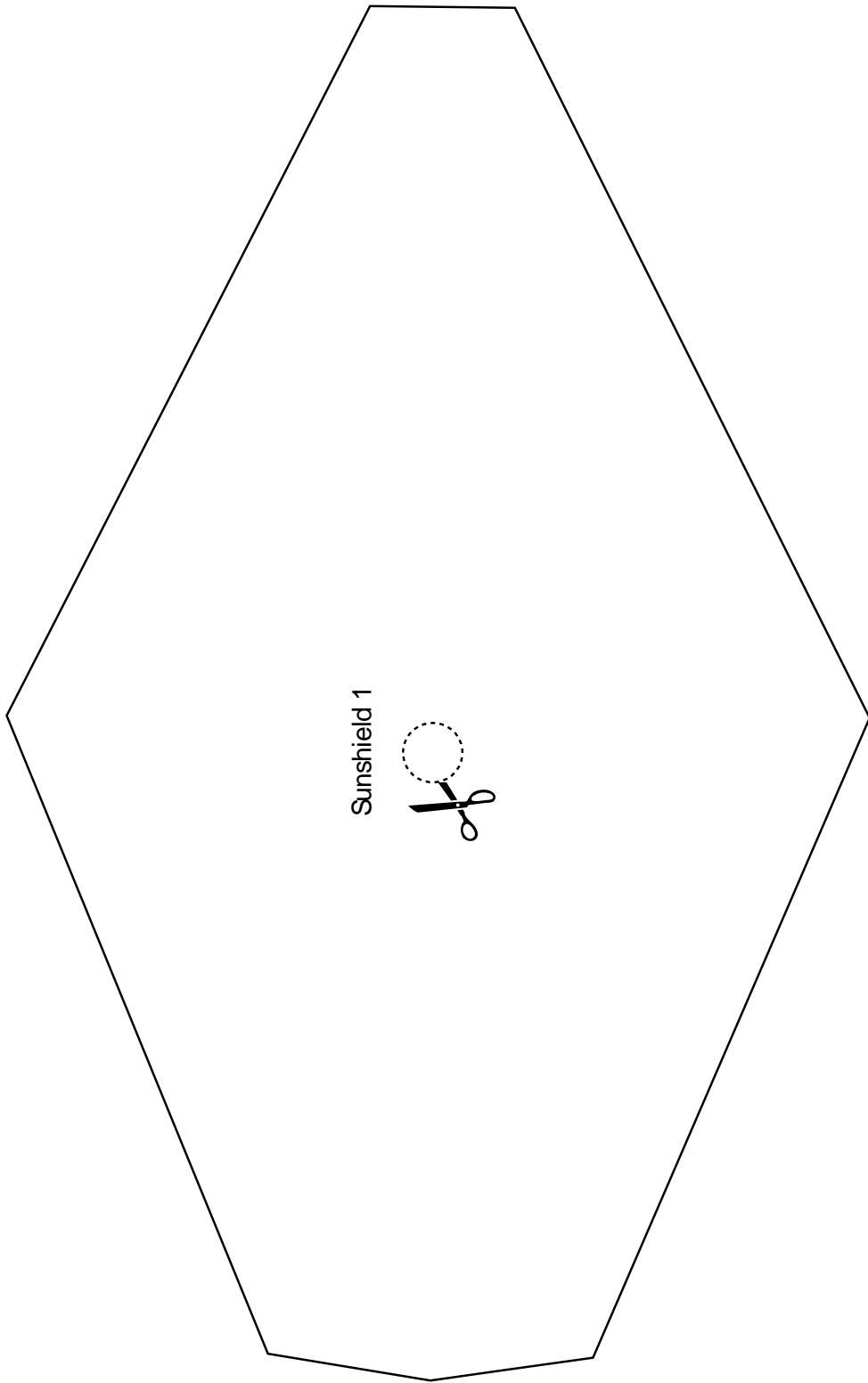
STEP 1: SPACECRAFT BUS ASSEMBLY

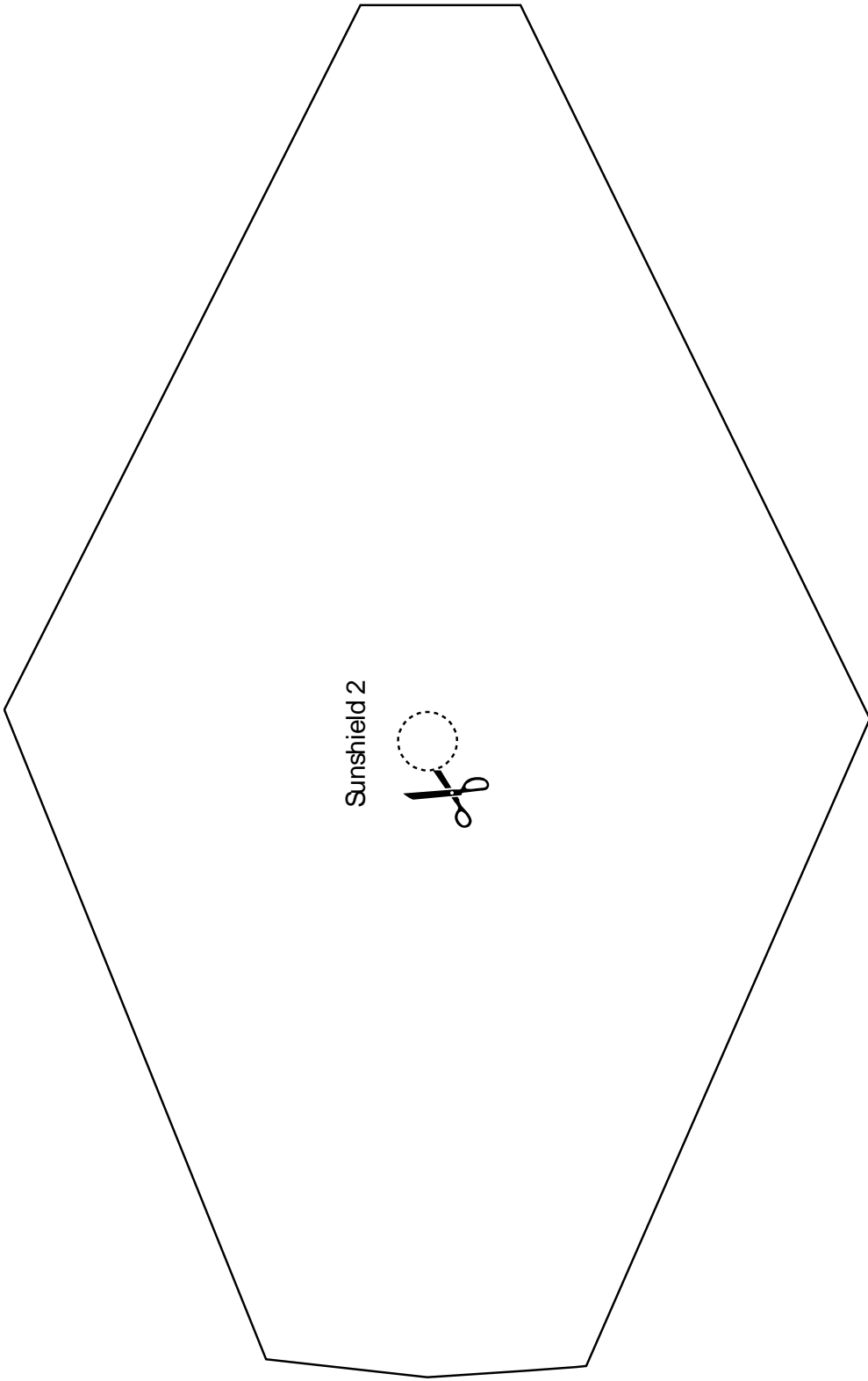


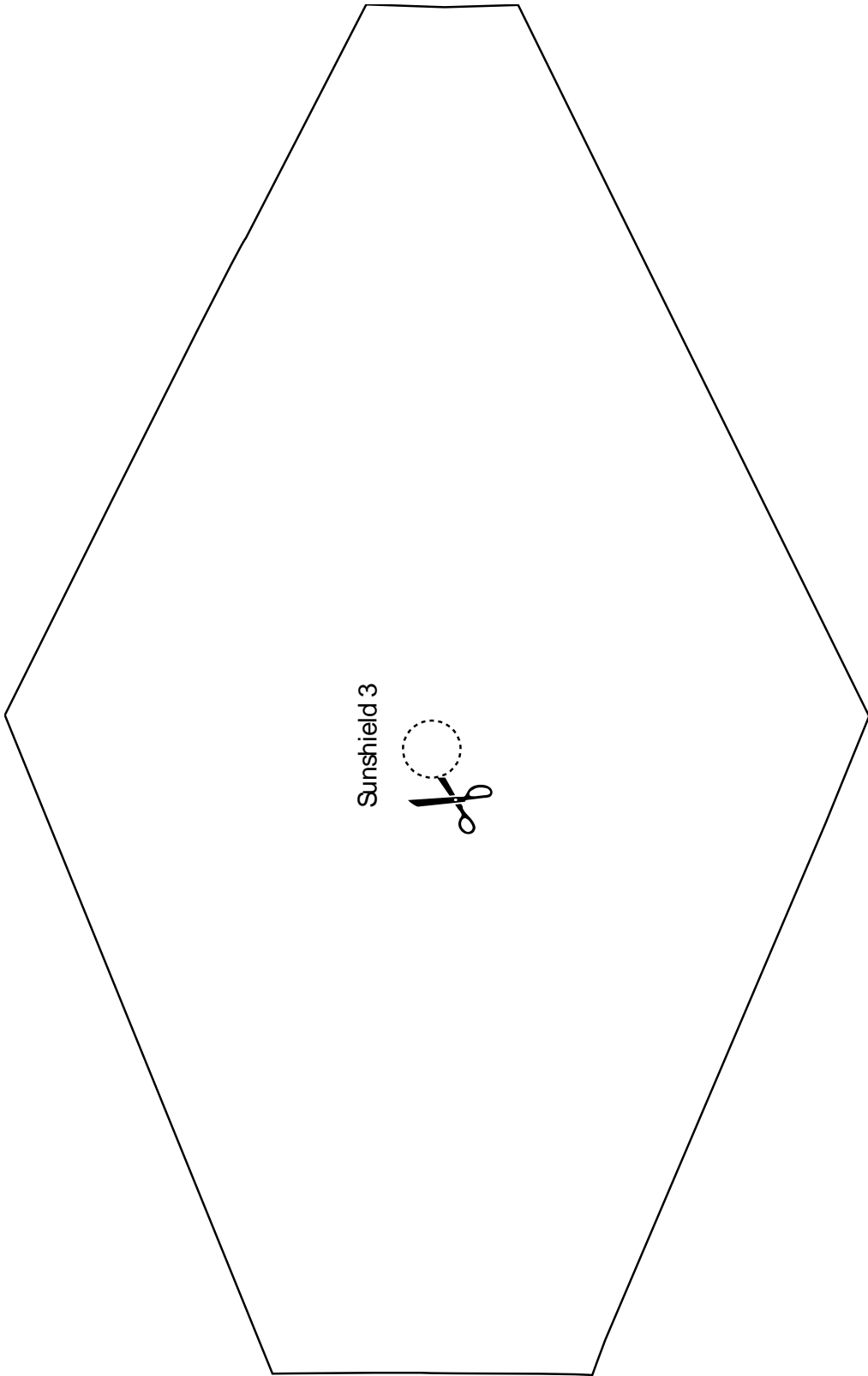
STEP 2: ATTACHING SOLAR ARRAYS

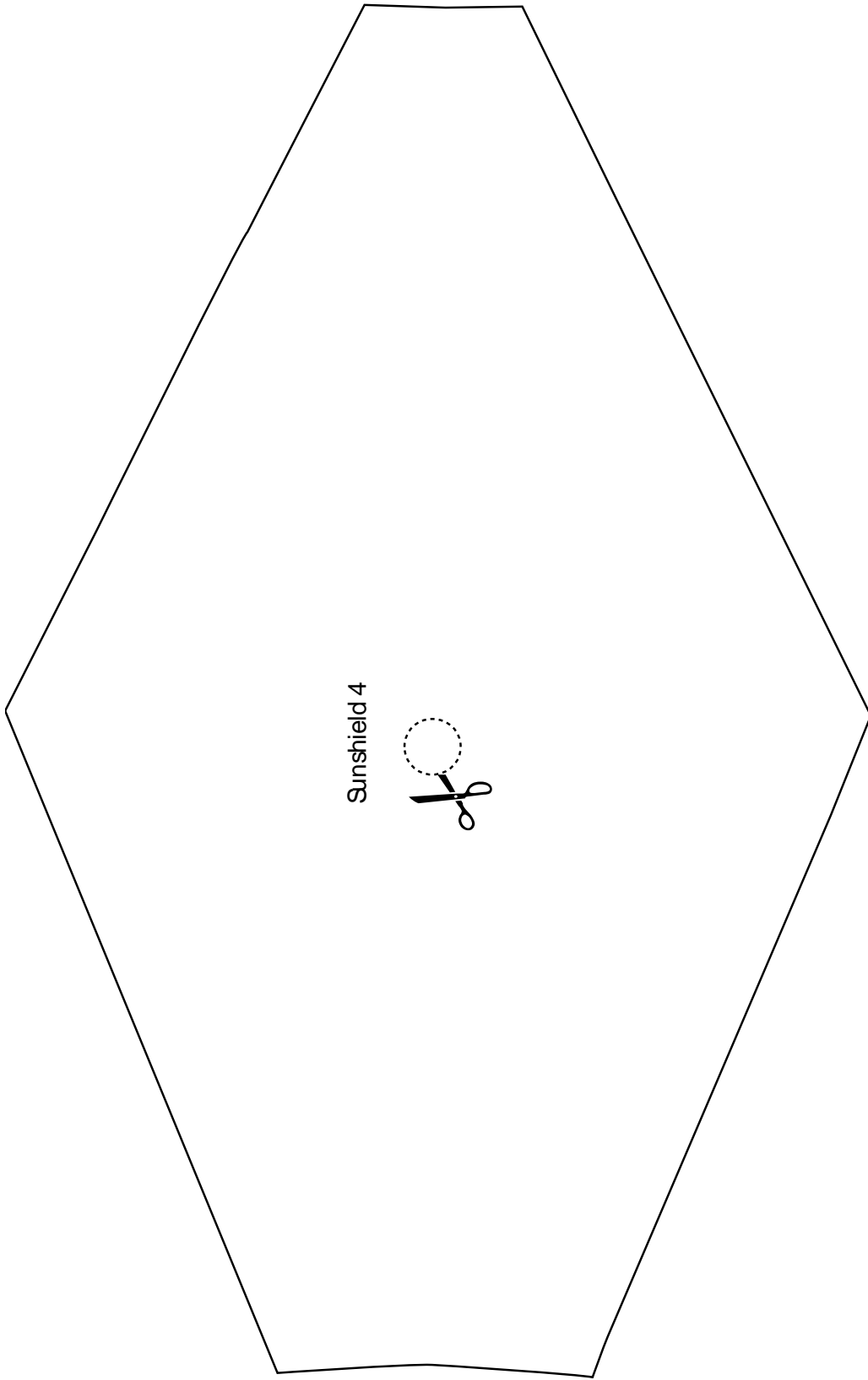


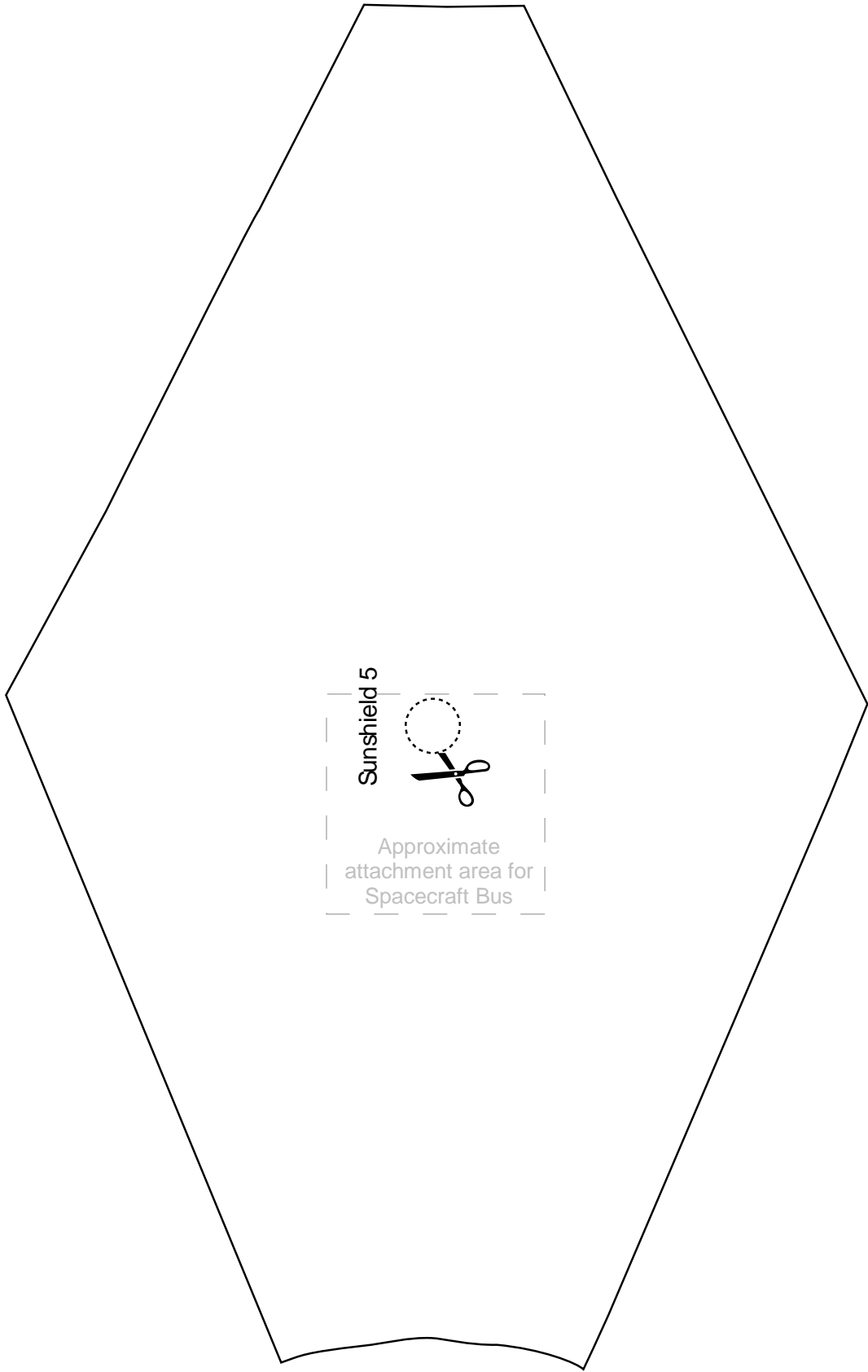
STEP 3: SUNSHIELDS



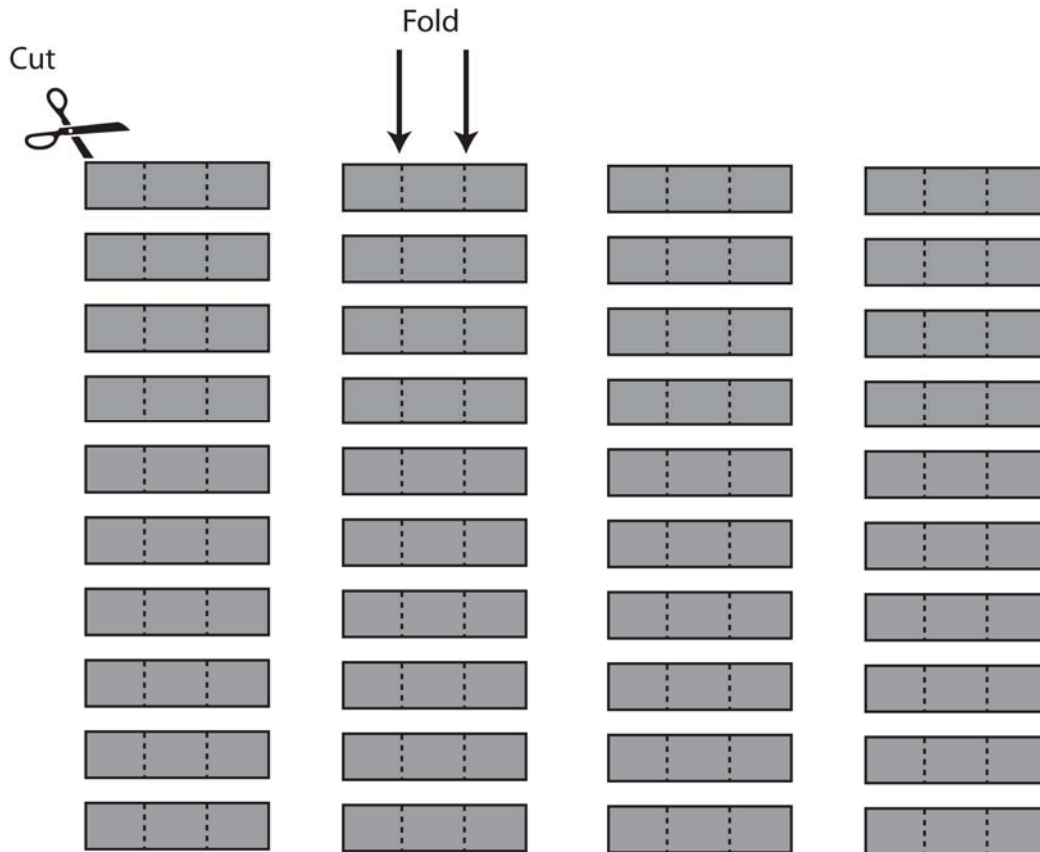








STEP 3: SUNSHIELD TABS

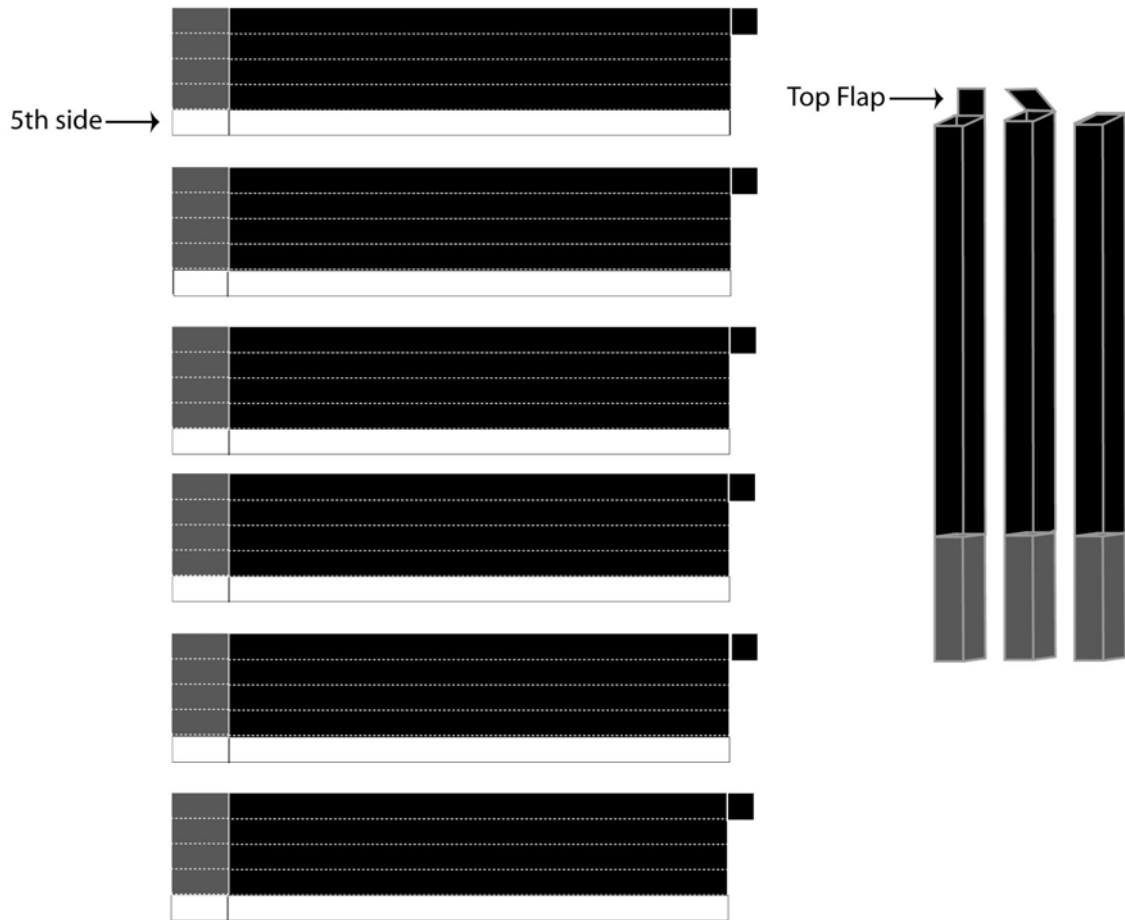


1. Cut out on solid lines
2. Fold inward on dashed lines so grey shaded side faces outward as shown in Diagram 1

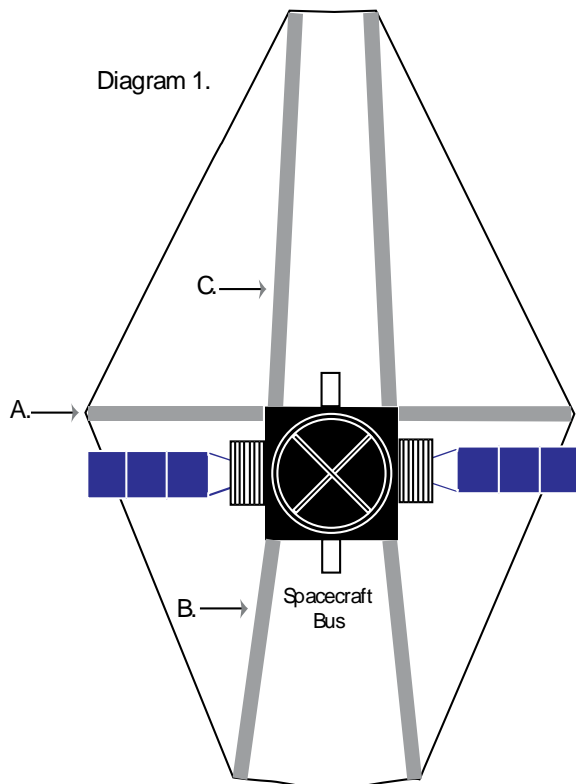
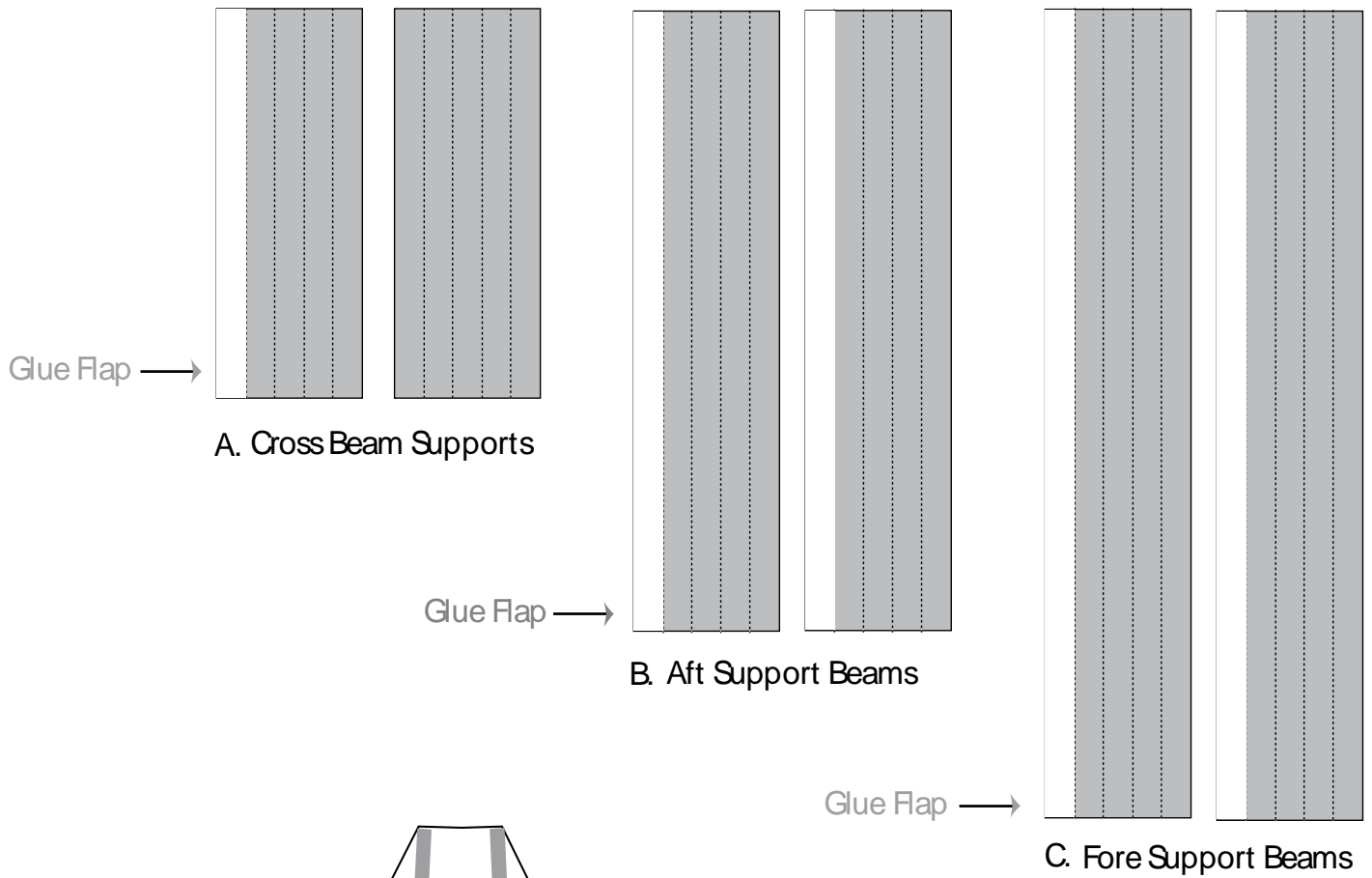
Diagram 1



STEP 3: SUNSHIELD SPREADER BARS



STEP 4: BOTTOM SUNSHIELD SUPPORT BEAMS



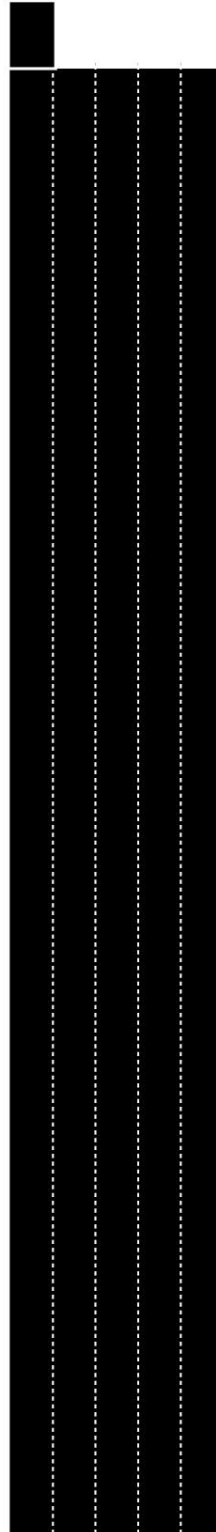
Please Note:
Some trimming of beams may be necessary for an exact fit after installing on Sunshield 5

STEP 5: CENTER SUPPORT BOOM

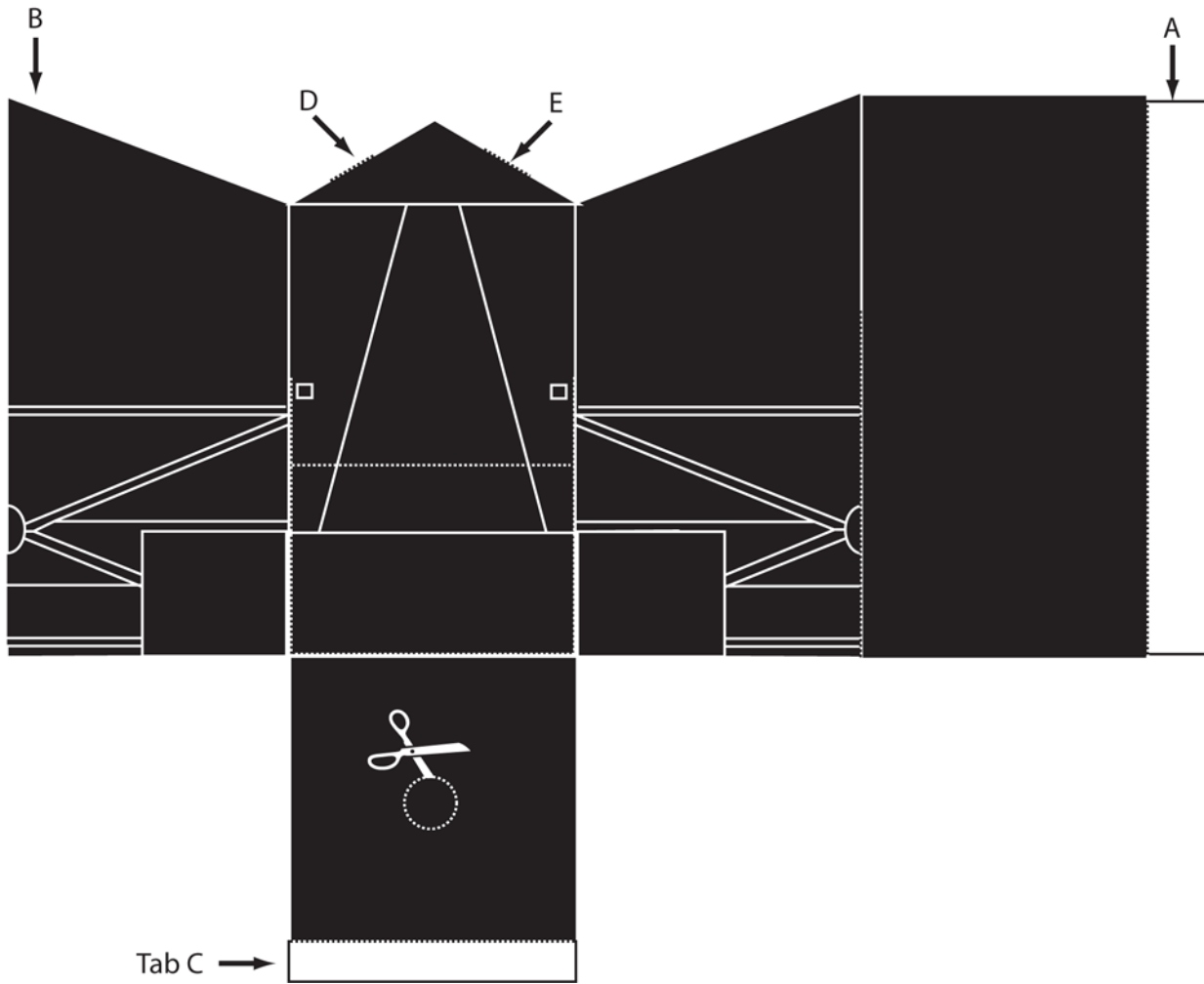
UNSHARPENED NEW PENCIL



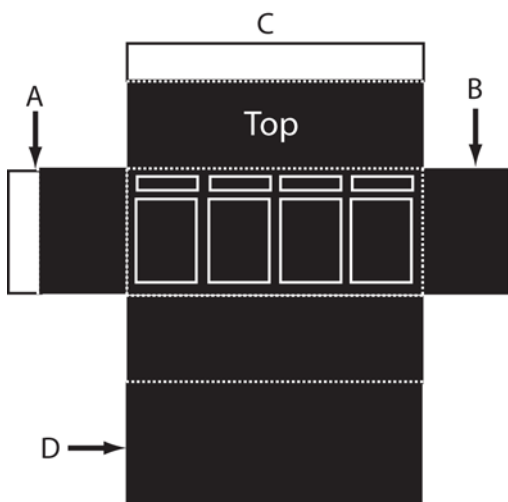
CARDSTOCK CENTER BOOM



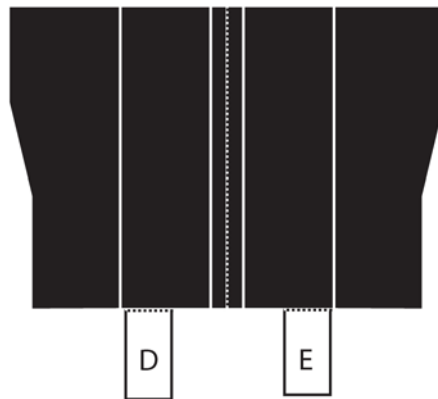
STEP 6: INTEGRATED SCIENCE INSTRUMENT MODULE (ISIM)



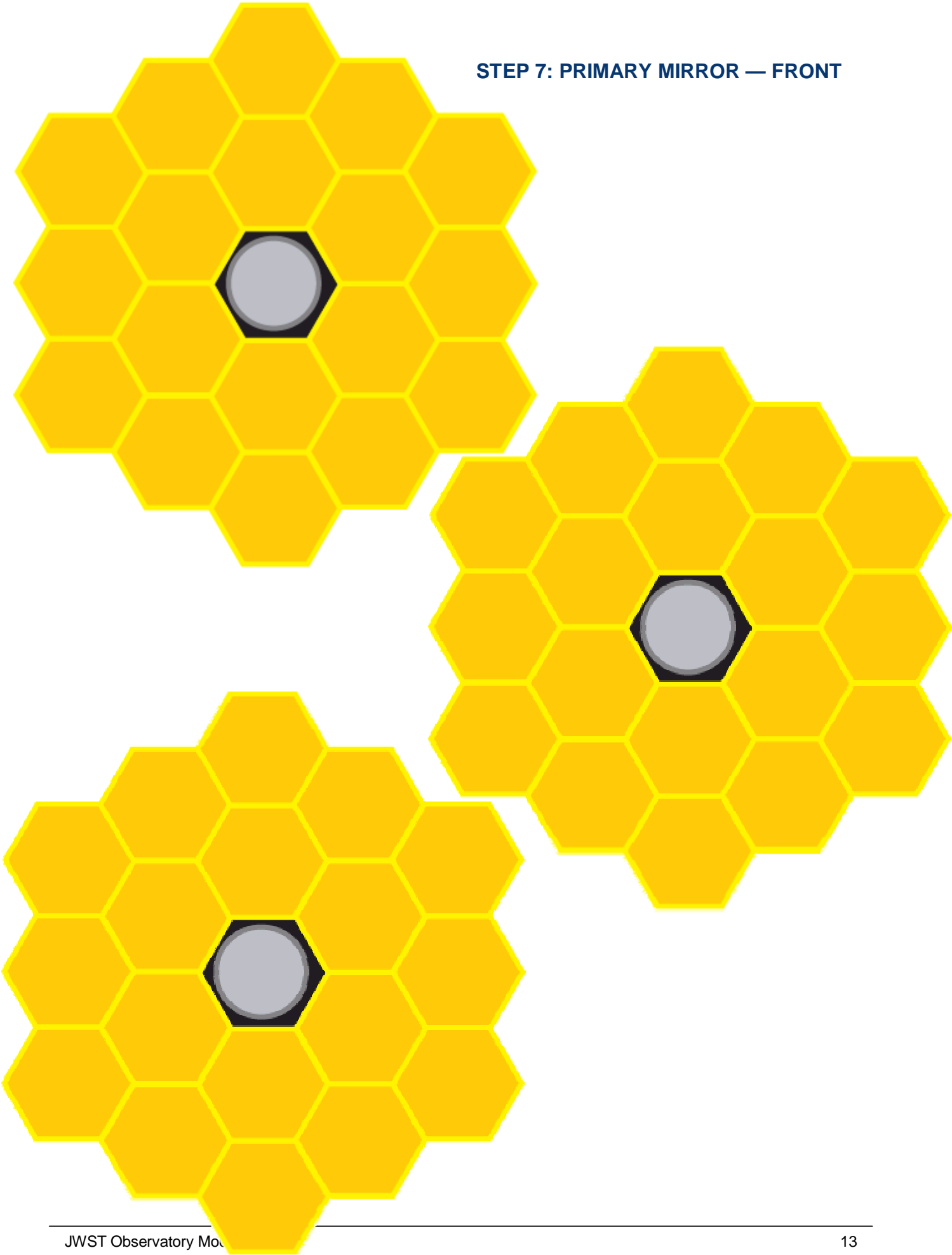
ISIM Electronics Compartment (IEC)



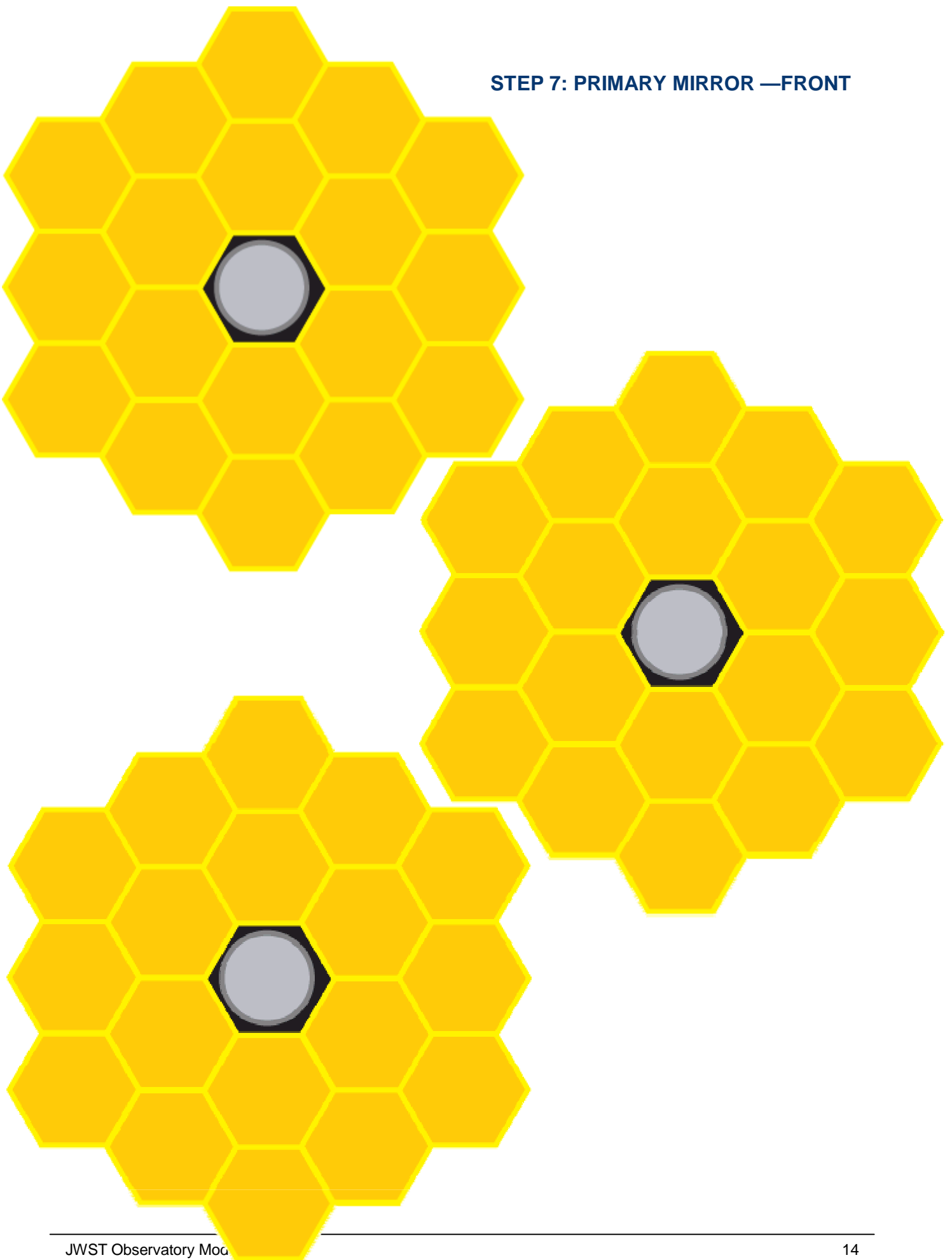
Instrument Shield



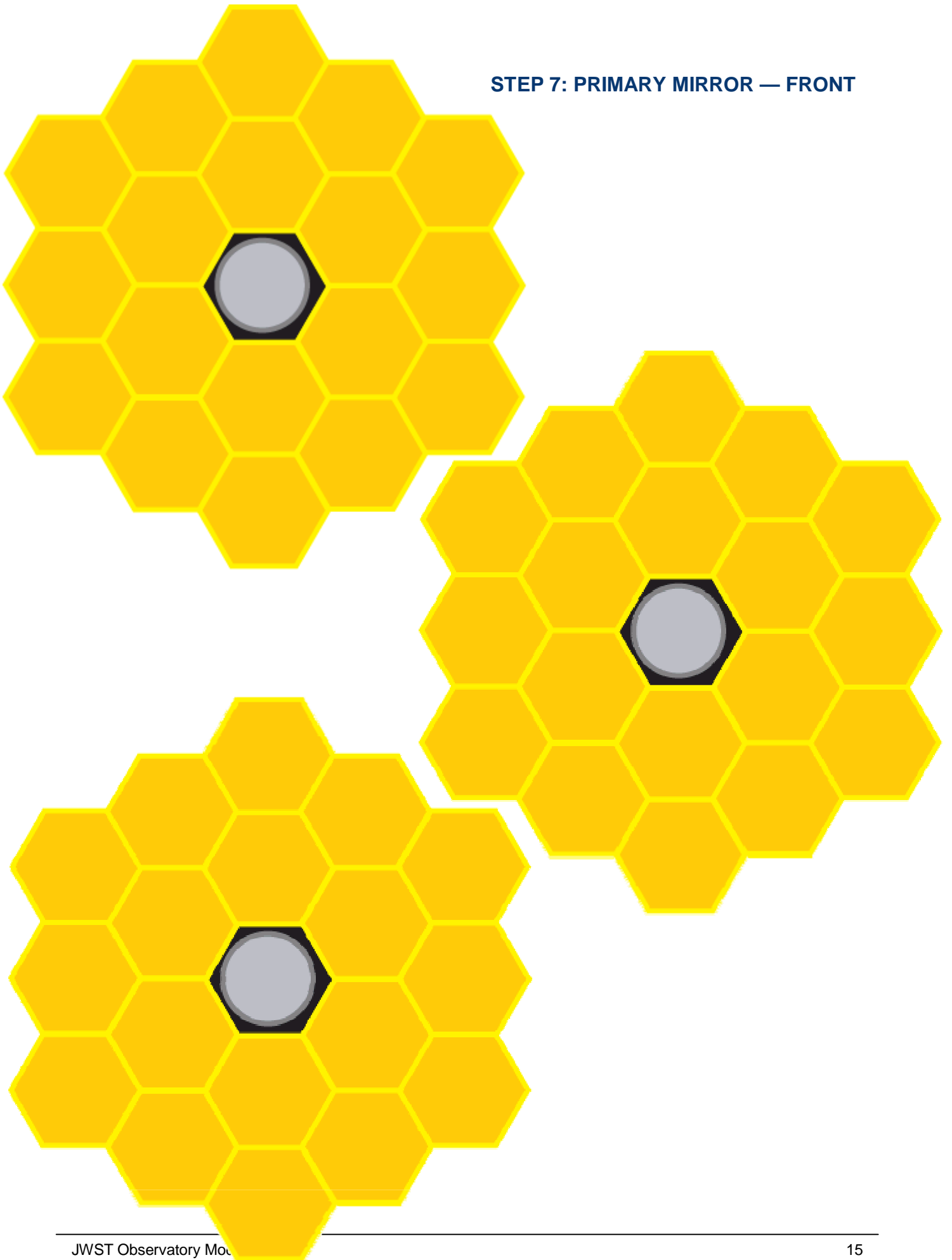
STEP 7: PRIMARY MIRROR — FRONT



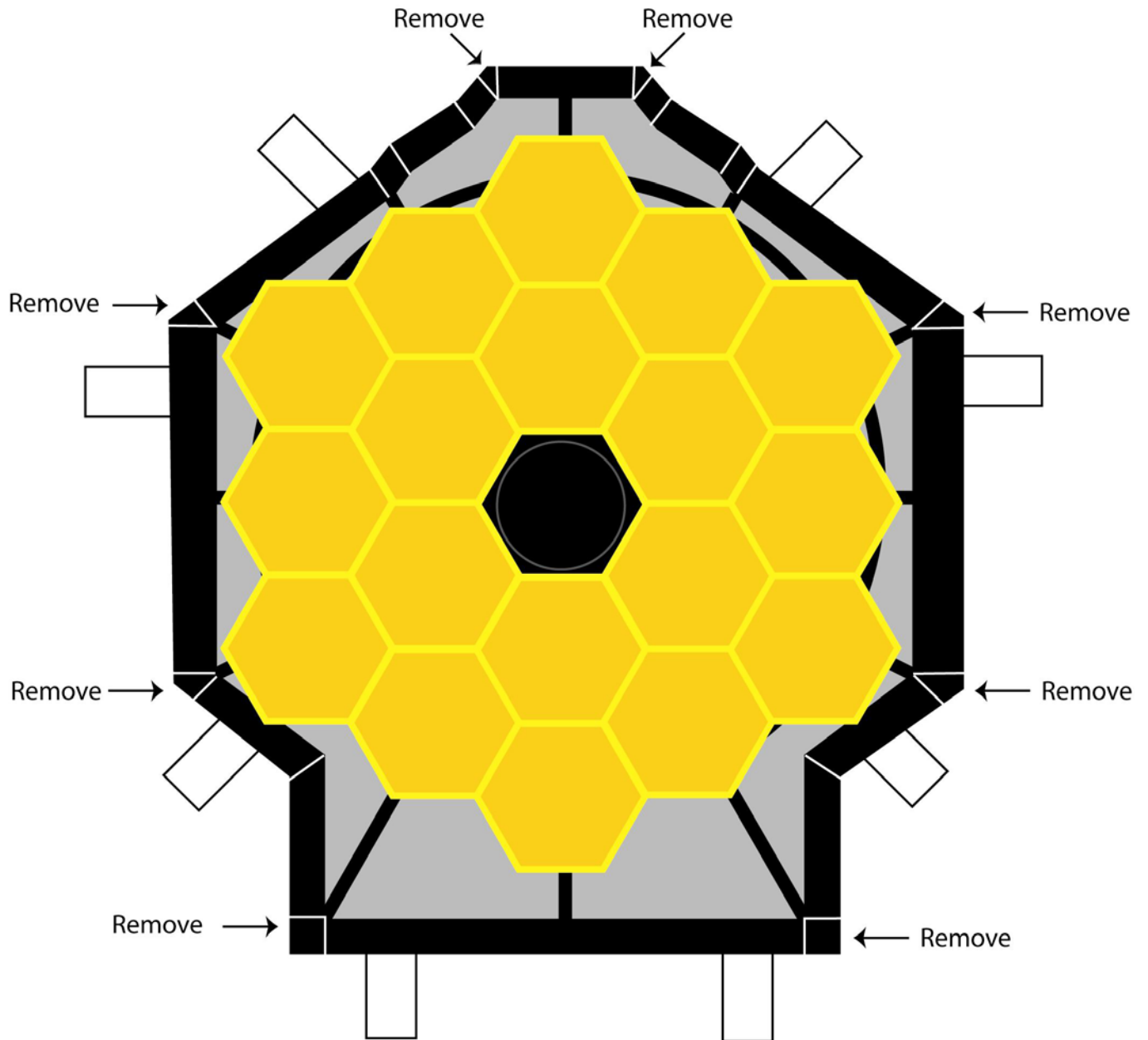
STEP 7: PRIMARY MIRROR —FRONT



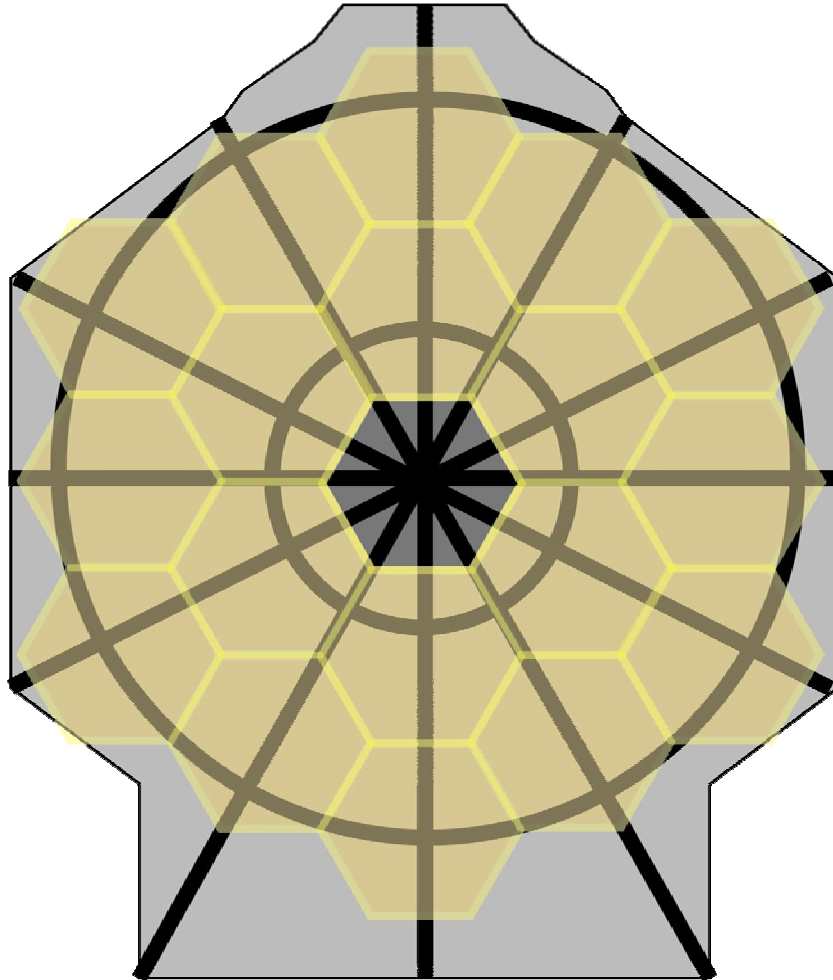
STEP 7: PRIMARY MIRROR — FRONT



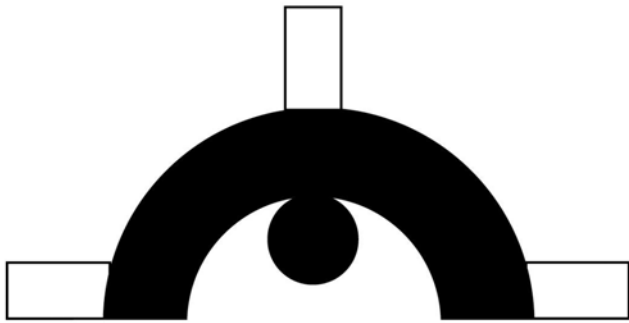
STEP 7: PRIMARY MIRROR — FRONT BACKPLANE STRUCTURE



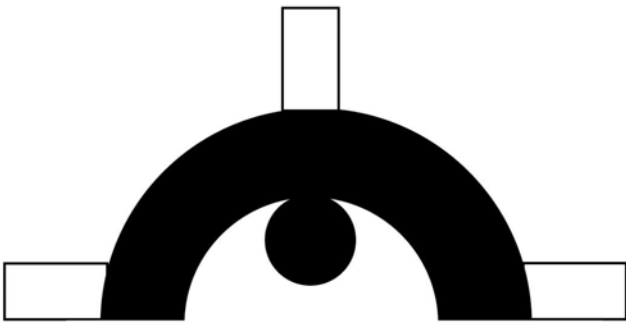
STEP 7: PRIMARY MIRROR — BACK OF BACKPLANE STRUCTURE



STEP 7: SECONDARY MIRROR WITH SUPPORT SYSTEM BOOMS

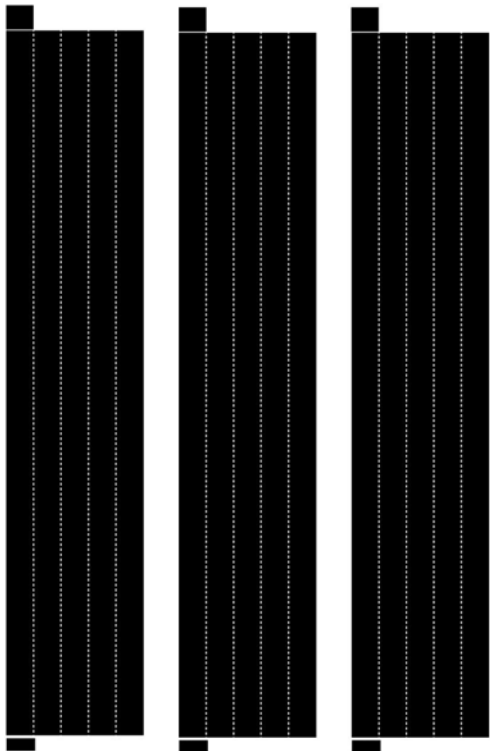


Aft Optics System



STEP 9

Secondary Mirror Assembly



Secondary Mirror Support System Booms