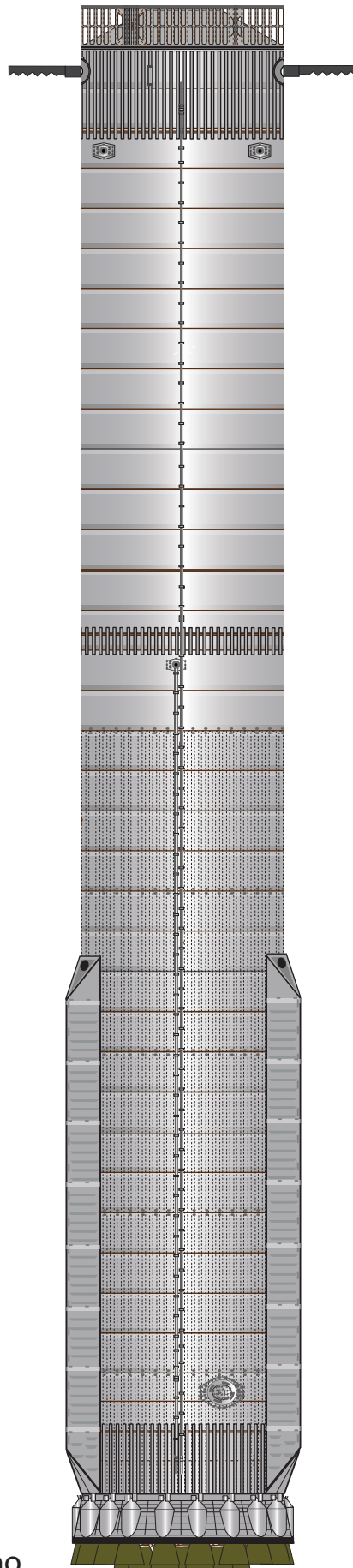
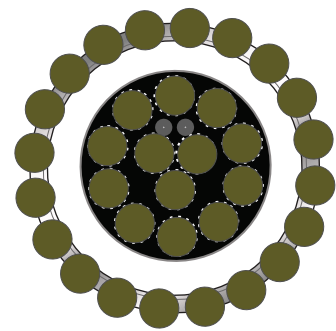
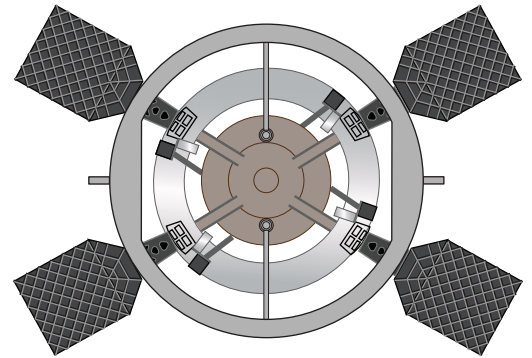
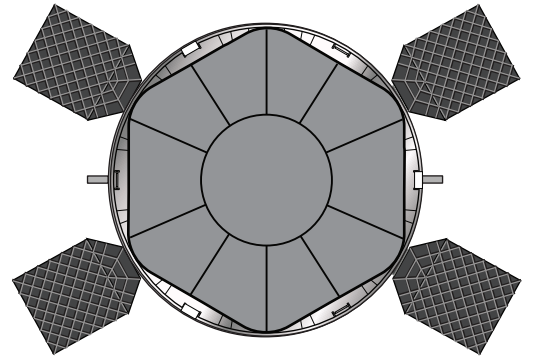




1:100 Scale



B9



Designed by Alfonso X Moreno
©2023 Not for commercial use



1 cm

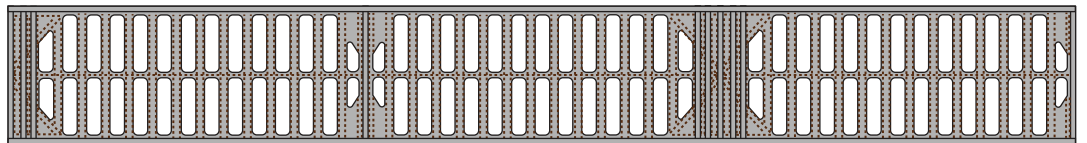
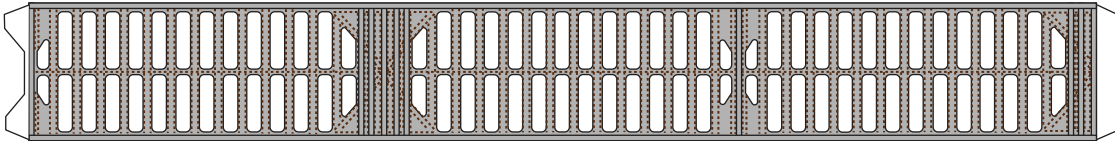
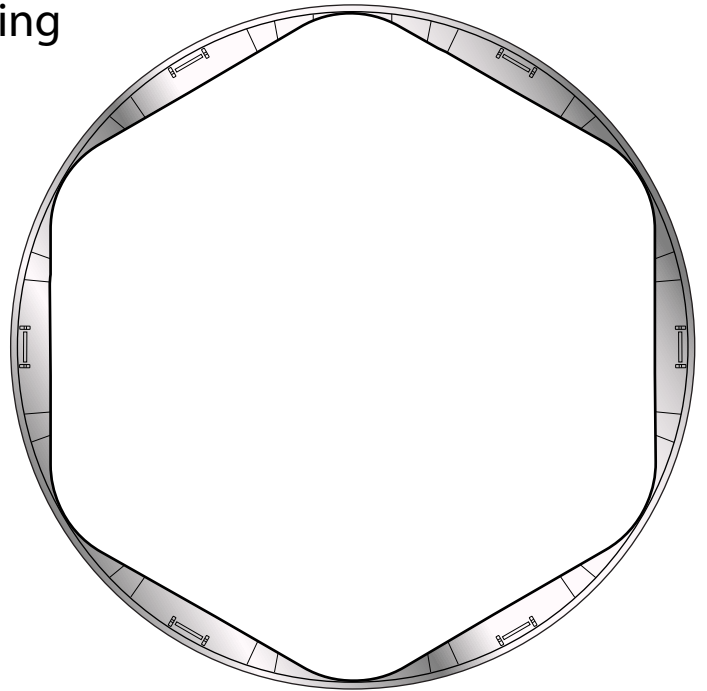
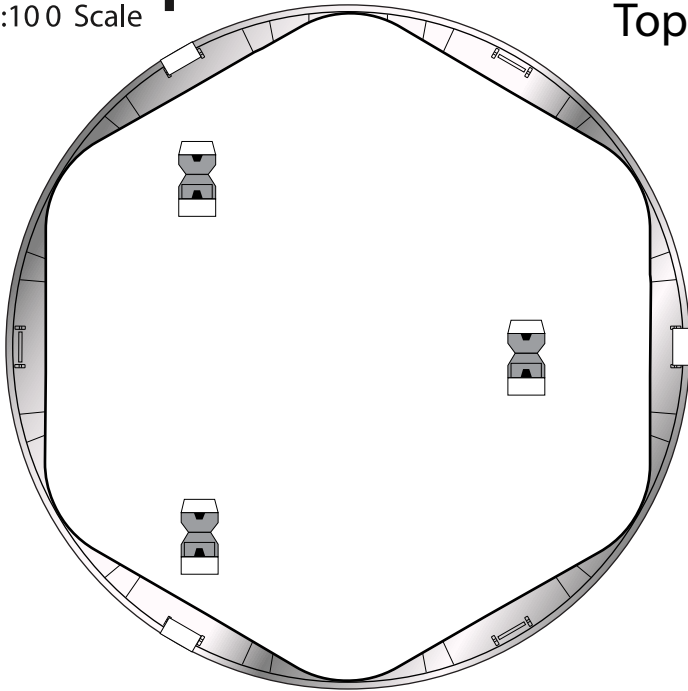
1 inch

Hot staging Ring

Print on Cardstock (110 lbs)

1:100 Scale

Top ring



Booster
umbilicals

Booster
front

right
side

Bottom ring

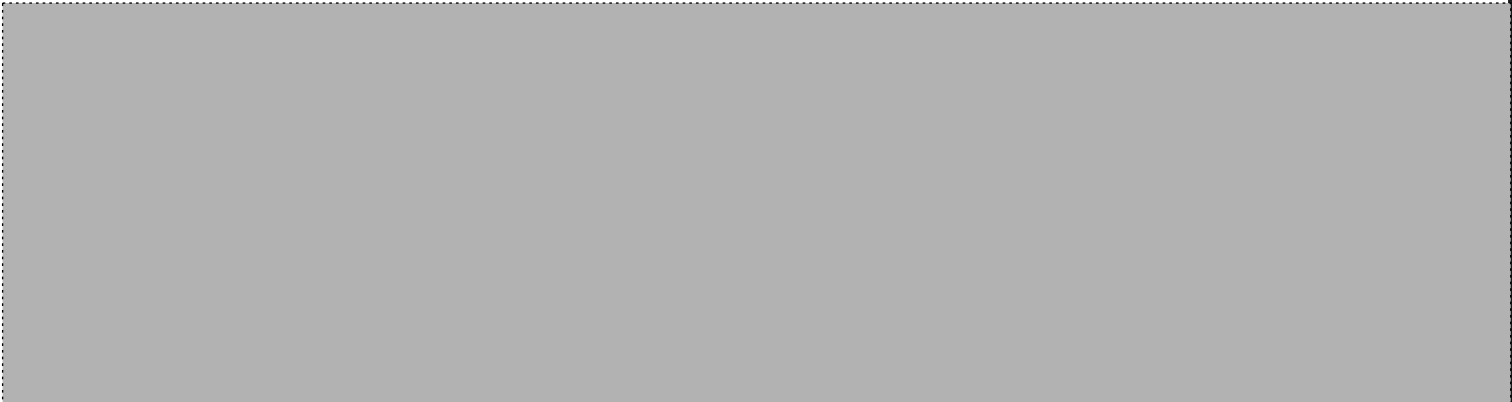


1:100 Scale

Hot staging Ring

Print on Cardstock (110 lbs)

Back Print





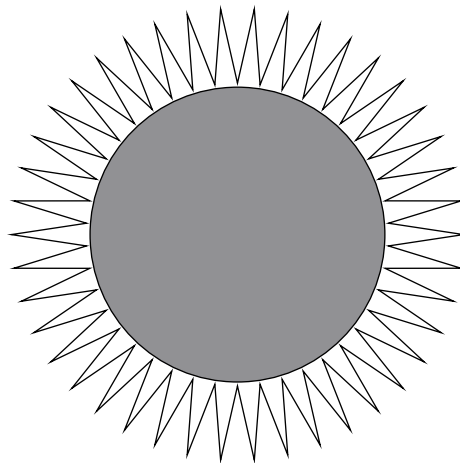
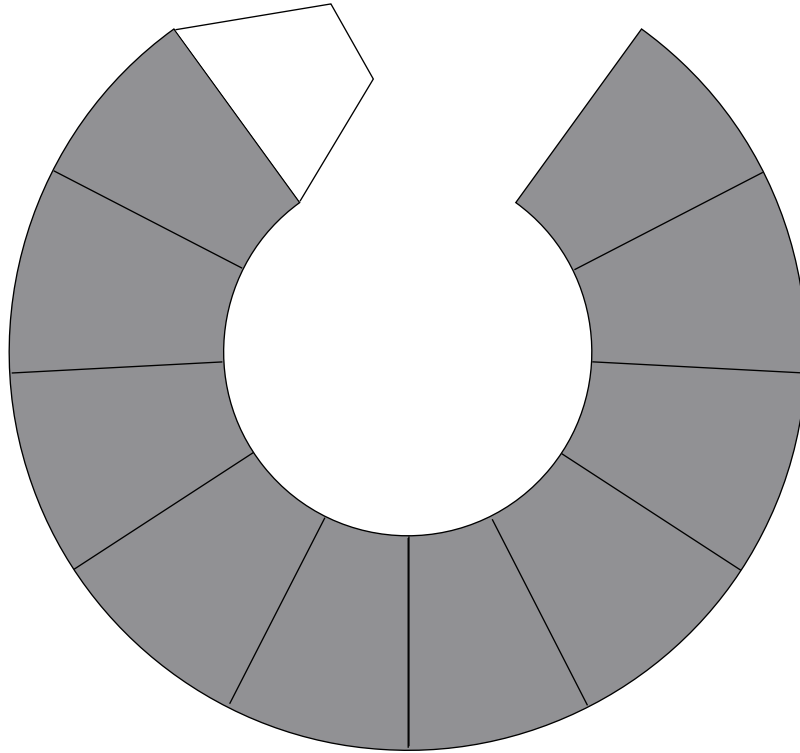
1 cm

1 inch

1:100 Scale

Hot staging Ring Dome

Print on Cardstock (110 lbs)





1 cm

1 inch

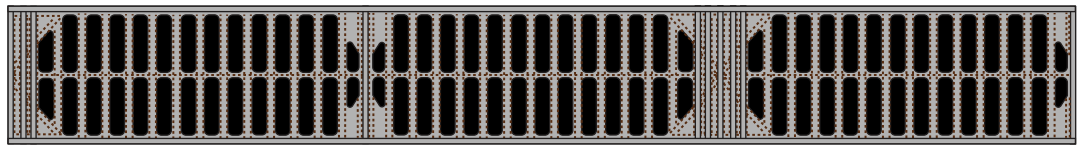
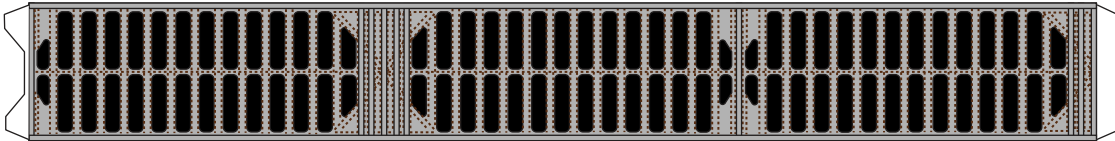
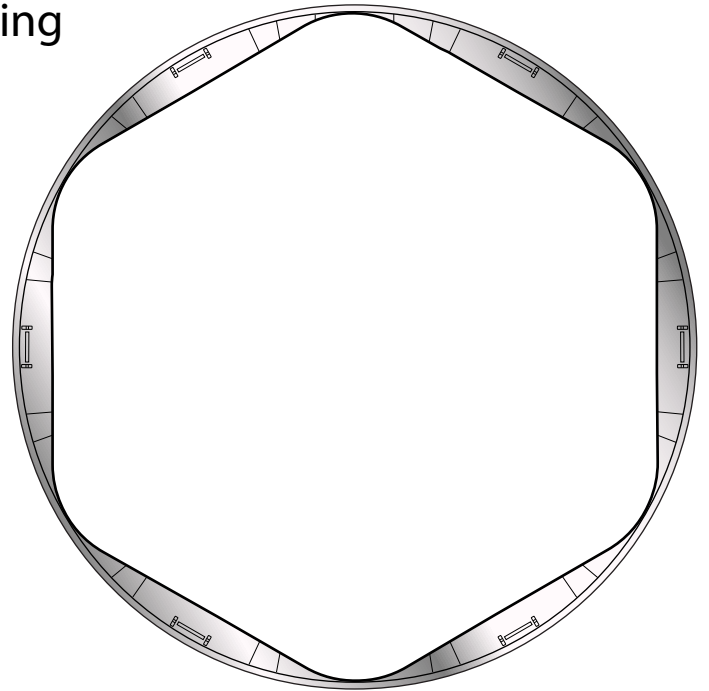
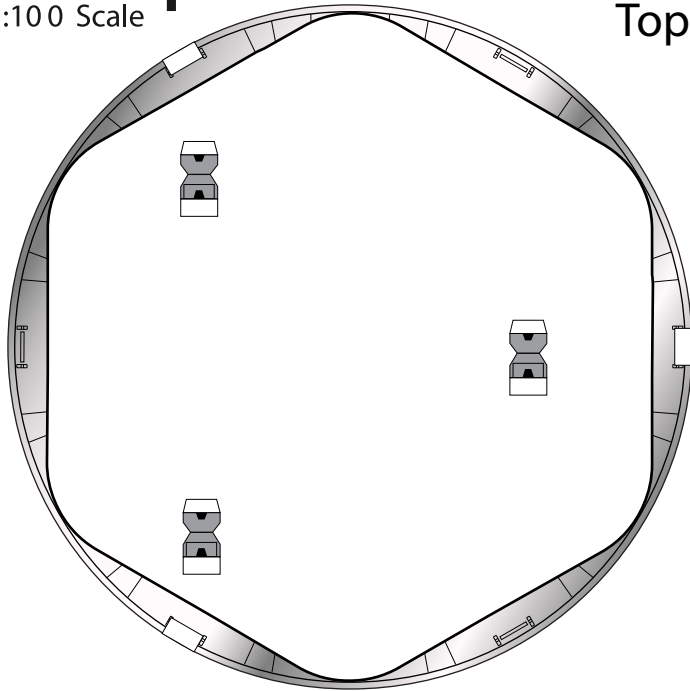
1:100 Scale

Hot staging Ring

Print on Cardstock (110 lbs)

Simple version

Top ring



Booster
umbilicals

Booster
front

right
side

Bottom ring



1 cm

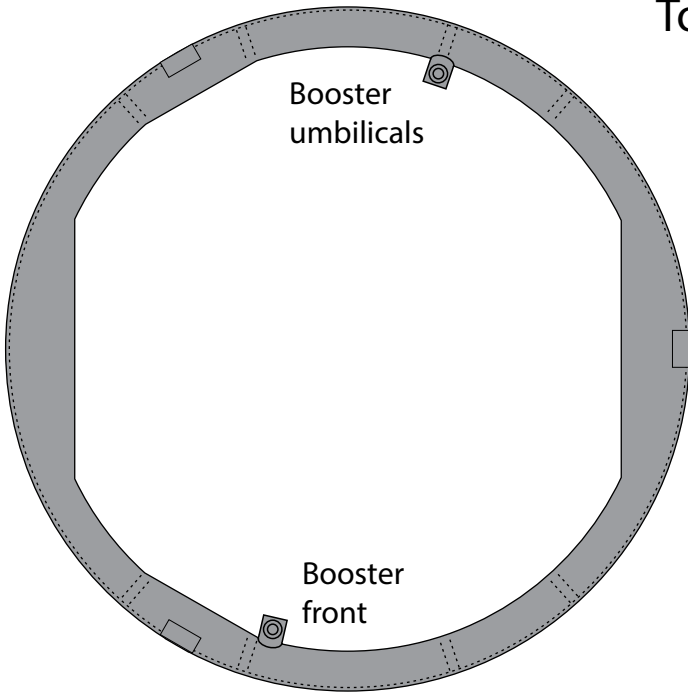
1 inch

1:100 Scale

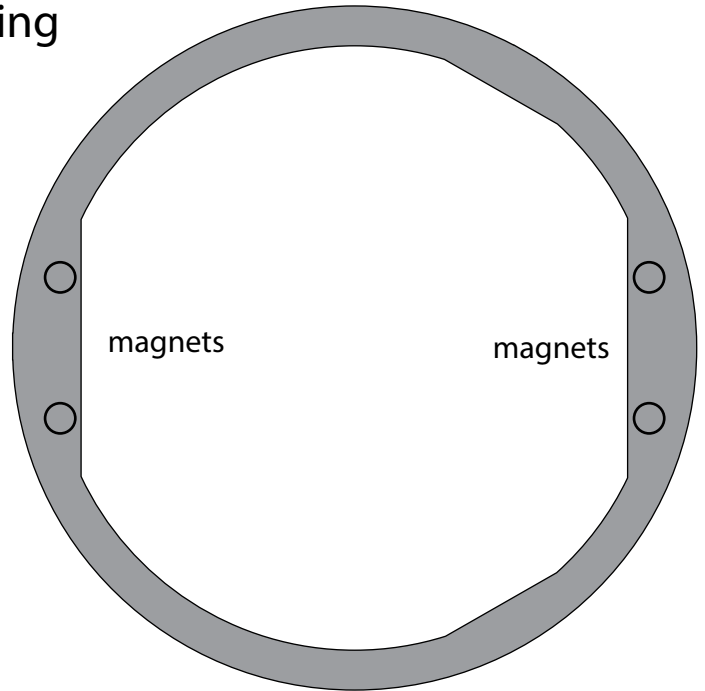
SpaceX SuperHeavy

Print on Cardstock (110 lbs)

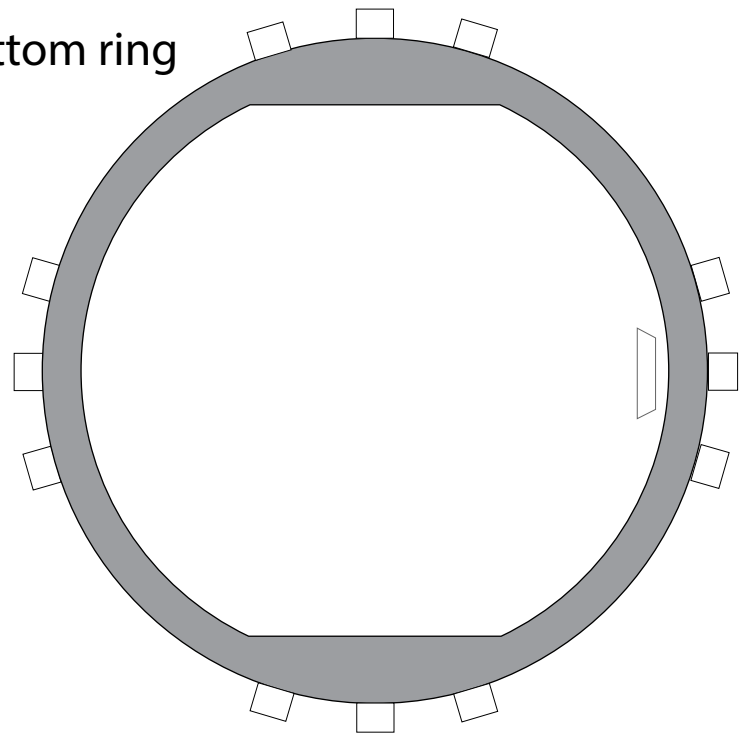
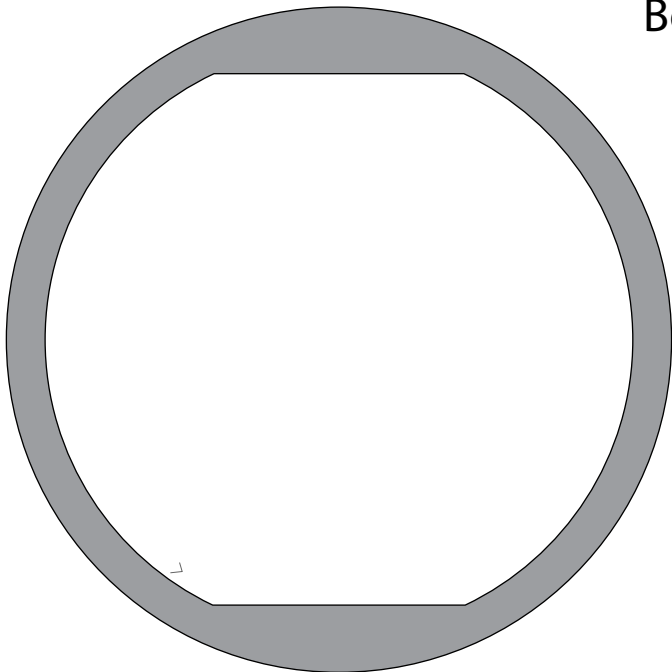
Top ring



right side



Bottom ring





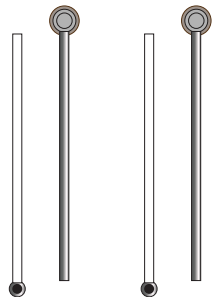
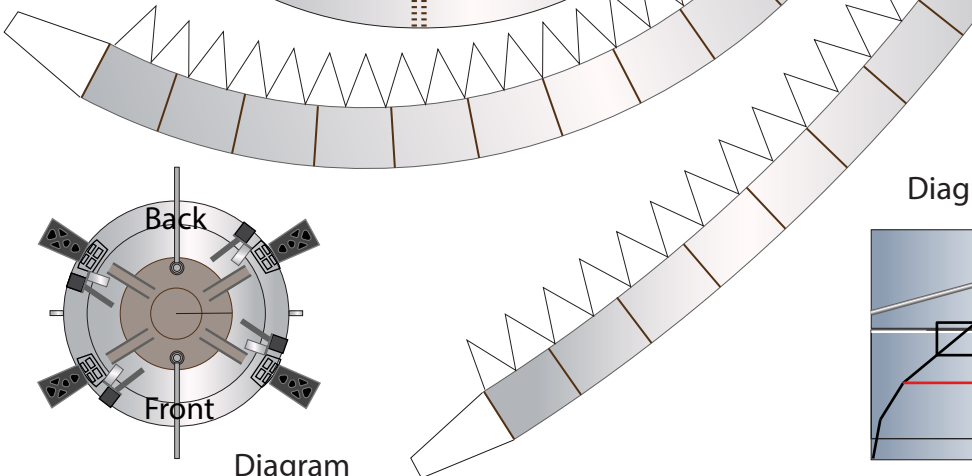
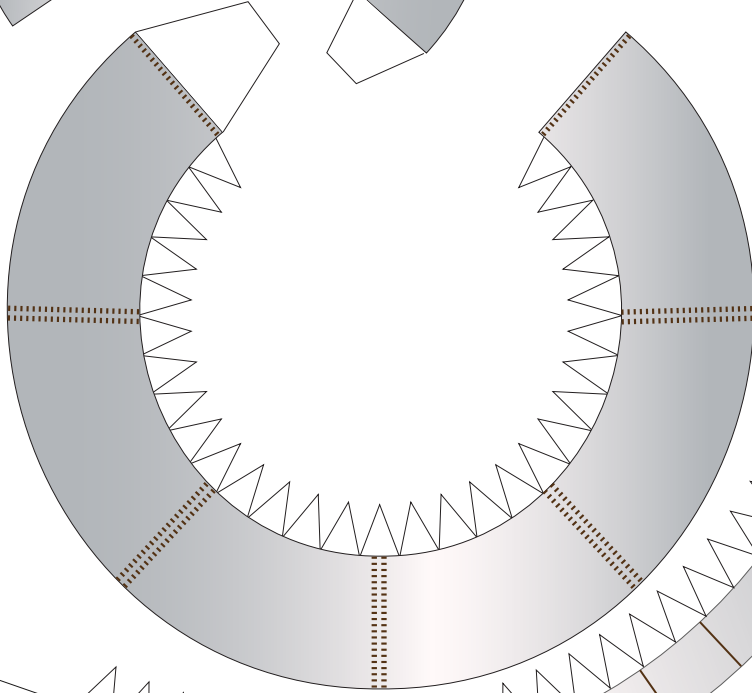
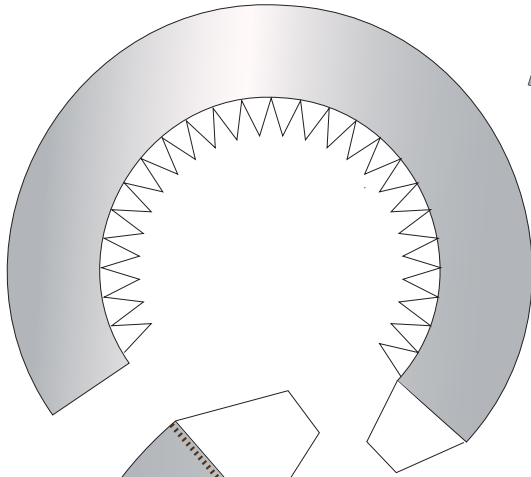
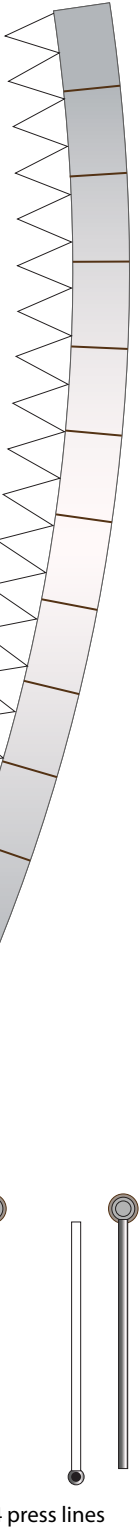
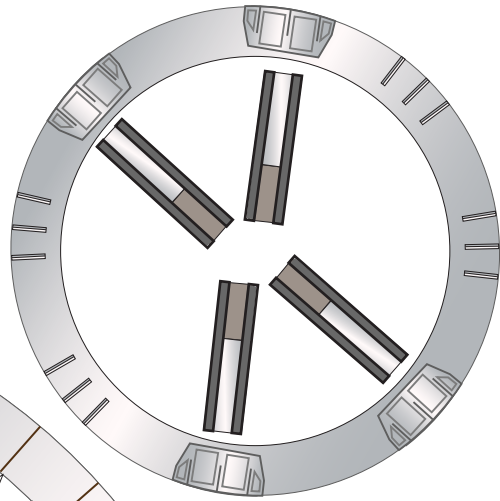
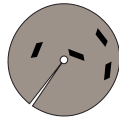
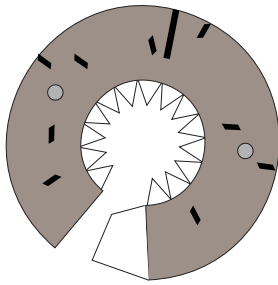
1 cm

1 inch

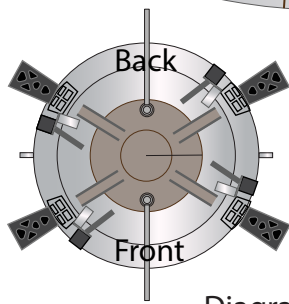
1:100 Scale

SuperHeavy B9 Upper Dome

Print on Cardstock (110 lbs)

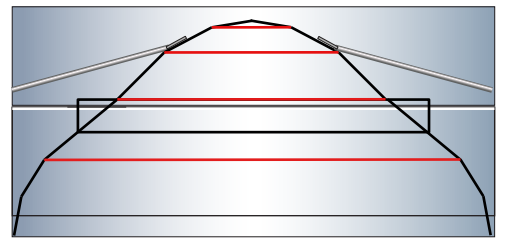


Ch4 press lines



Diagram

Diagram





1 cm

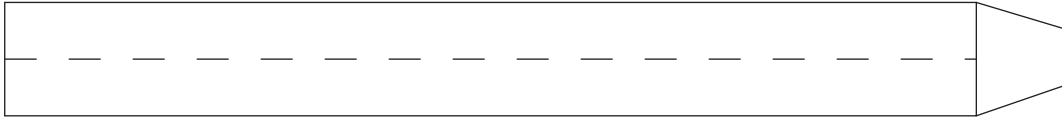
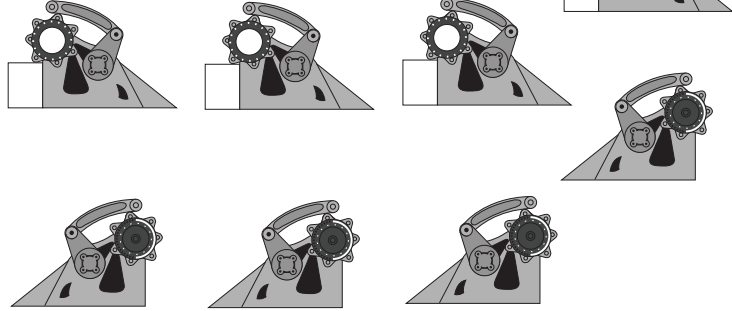
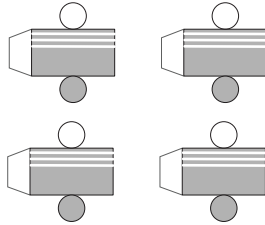
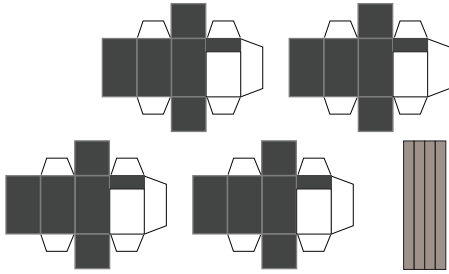
1 inch

1:100 Scale

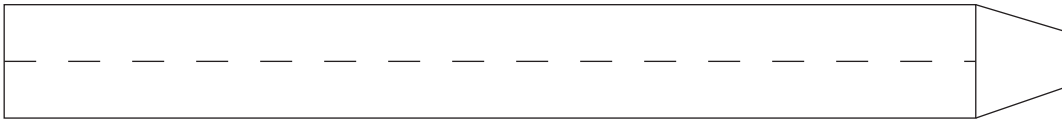
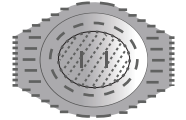
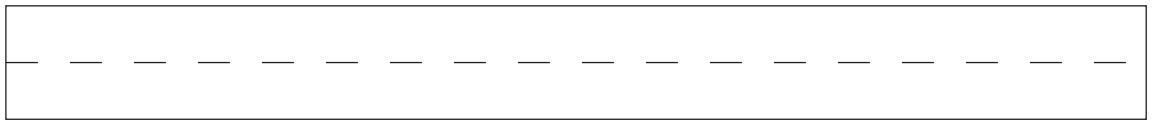
SpaceX Starship B9

Print on Cardstock (110 lbs)

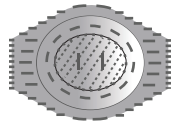
Grid Fins servo motors and Connectors



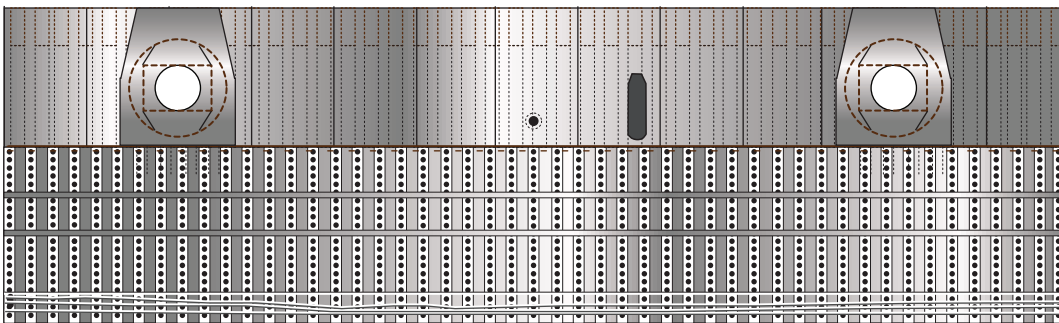
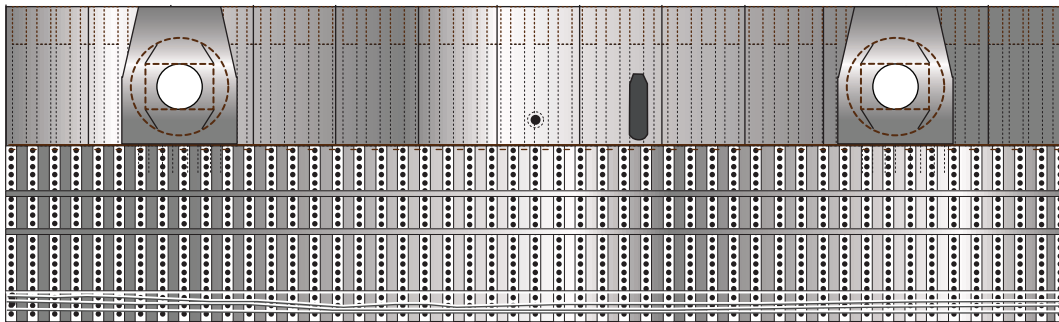
top/middle



middle/bottom



Glue tip of the
Ch4 press line to
cover the black circles



Interior wall
for upper dome
section



1 cm

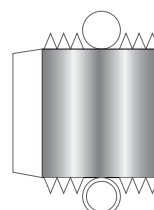
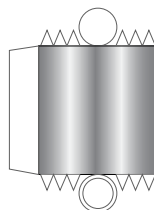
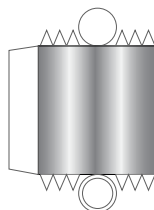
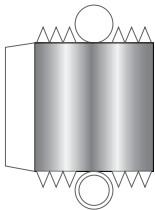
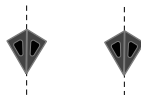
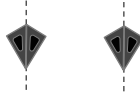
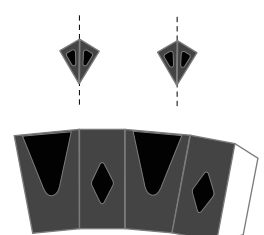
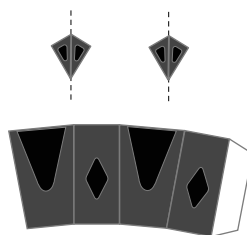
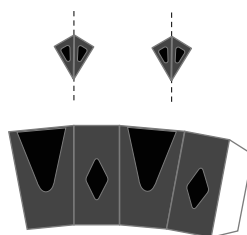
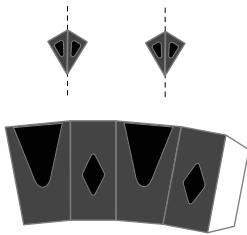
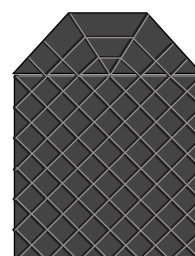
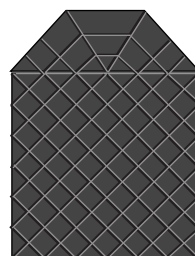
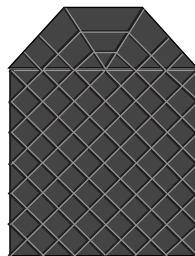
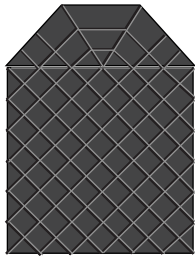
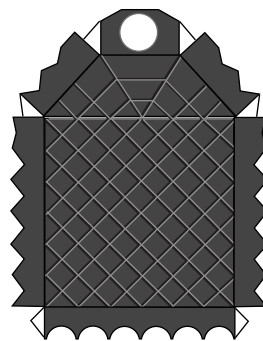
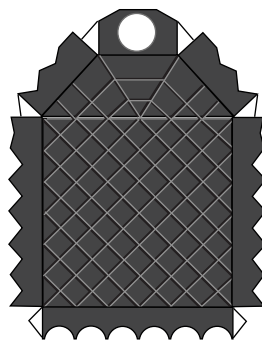
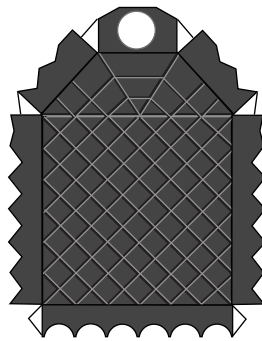
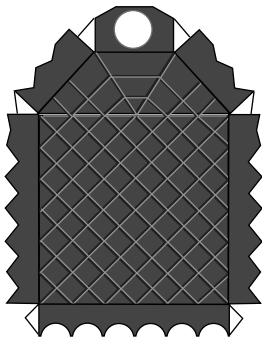
1 inch

1:100 Scale

Grid Fins Simple version

Update

Print on Cardstock (110 lbs)





1 cm

1 inch

1:100 Scale

B9 Grid Fins

Back Print

Print on Cardstock (110 lbs)





1 cm

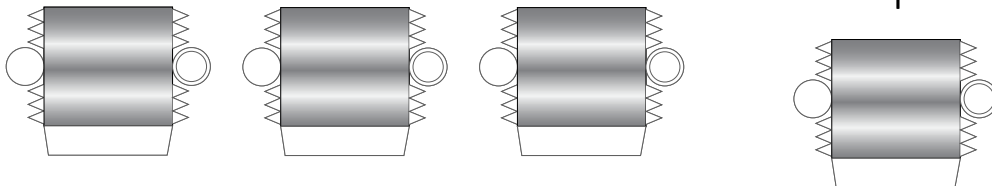
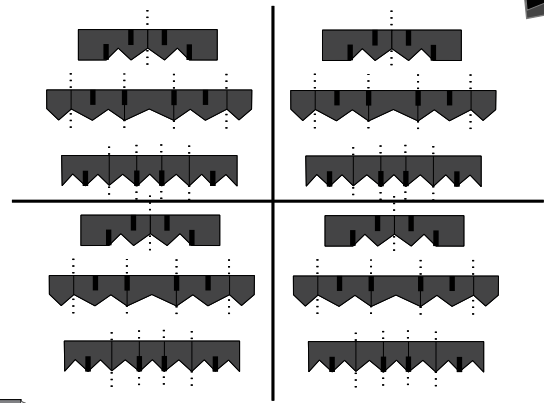
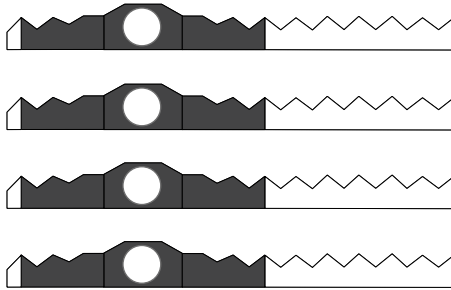
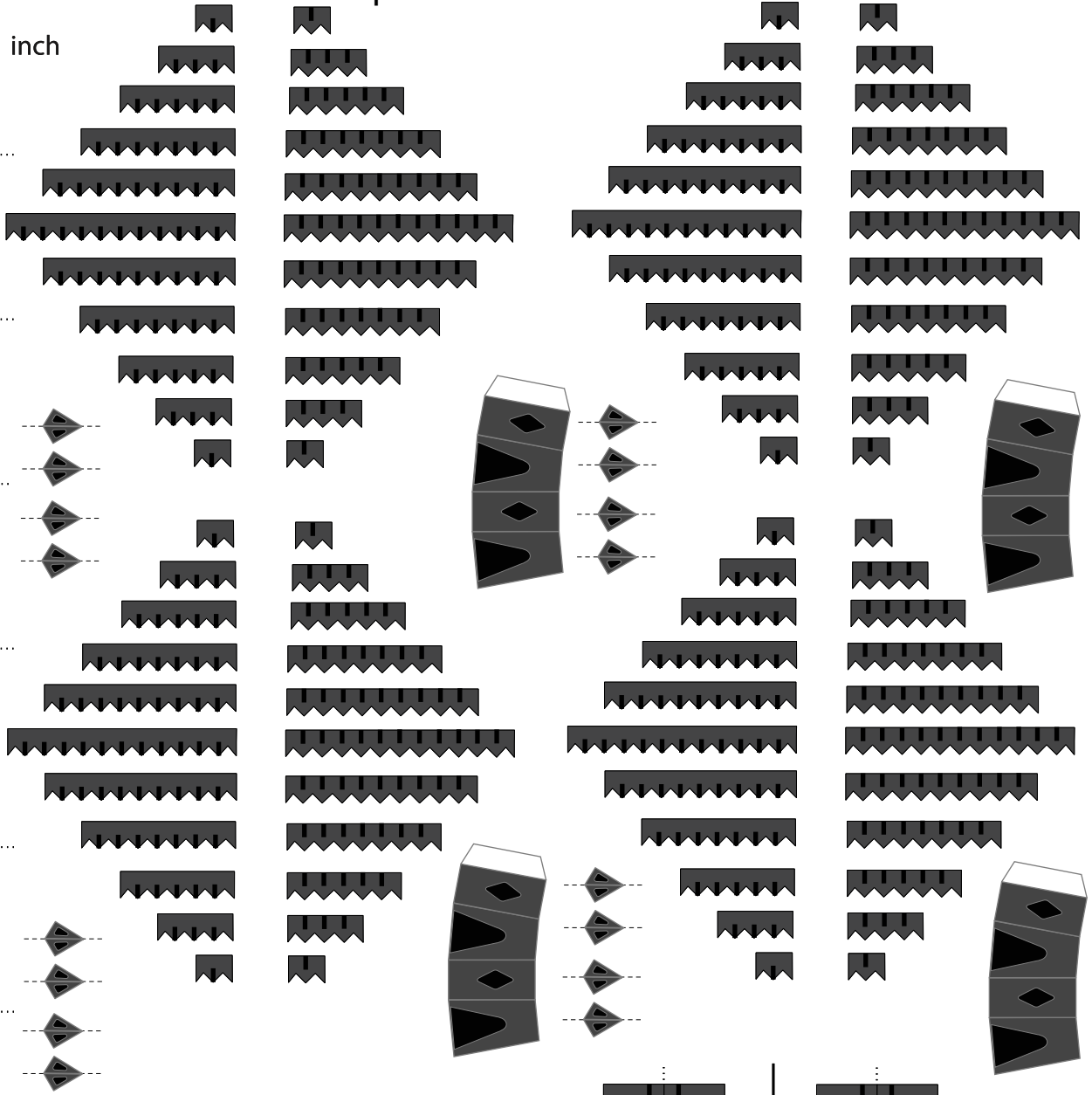
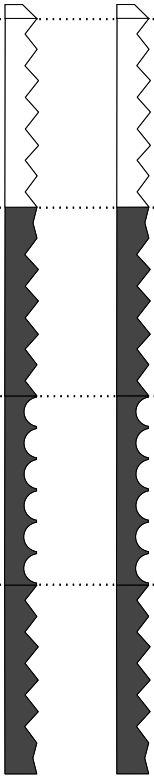
1 inch

1:100 Scale

Grid Fins Detailed version

Print on Cardstock (110 lbs)

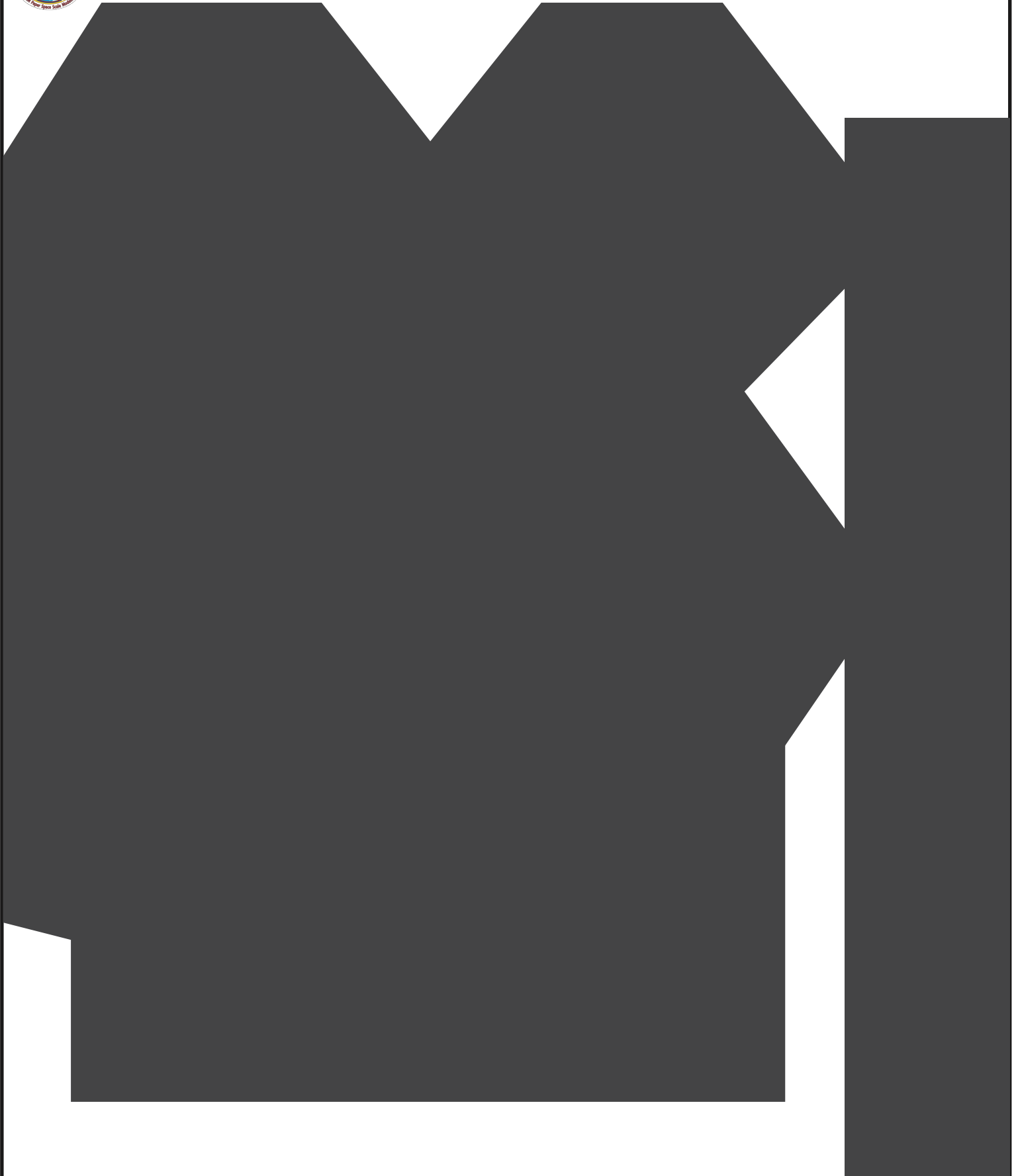
Update





B9 Grid Fins back print

Print on Cardstock (110 lbs)





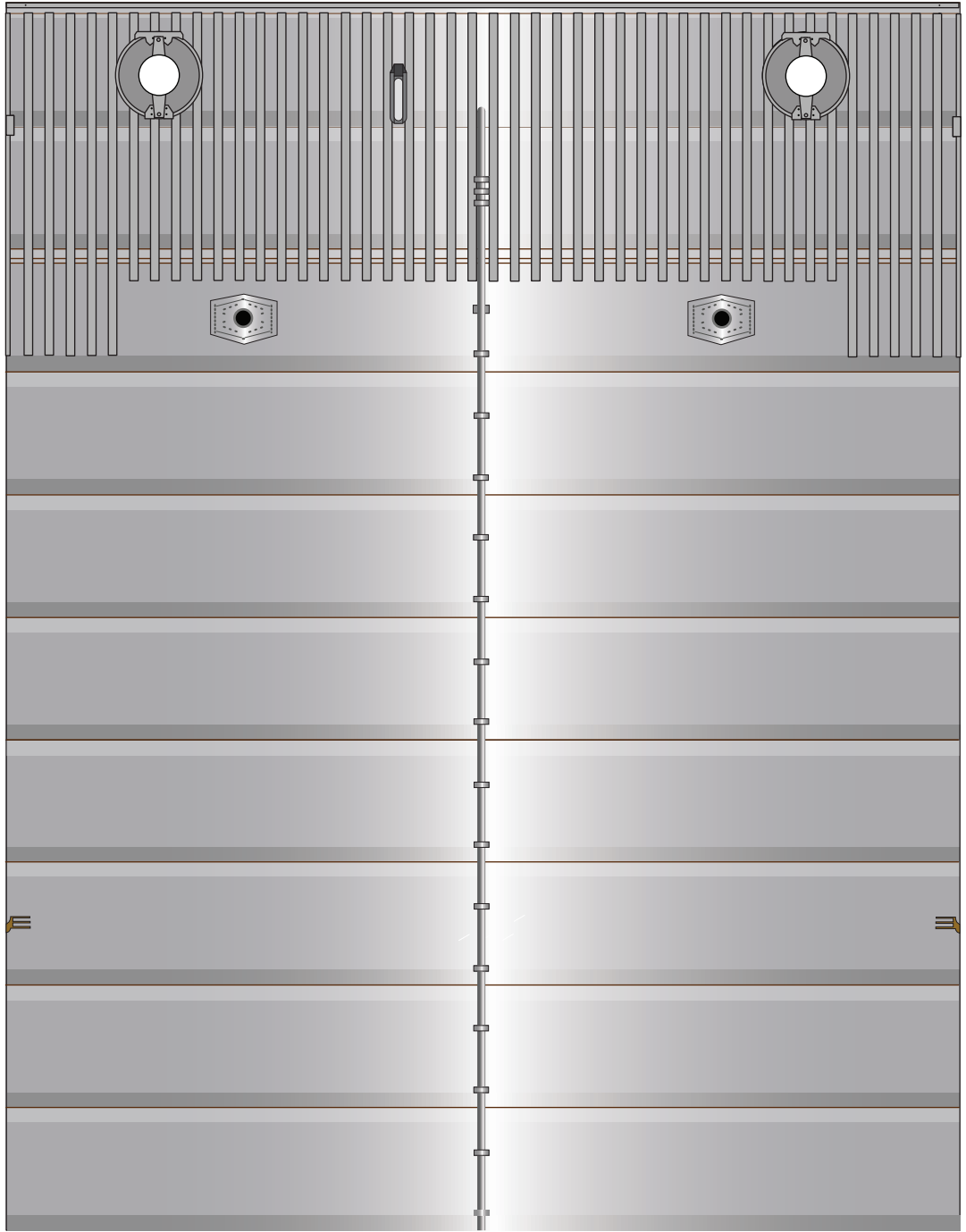
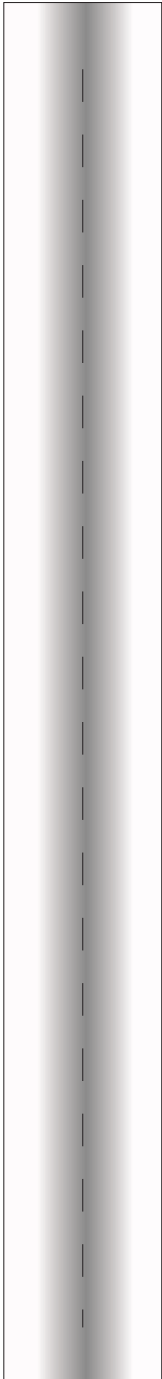
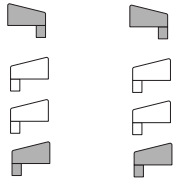
1:100 Scale



Booster 9

Print on Cardstock (110 lbs)

Belly side top





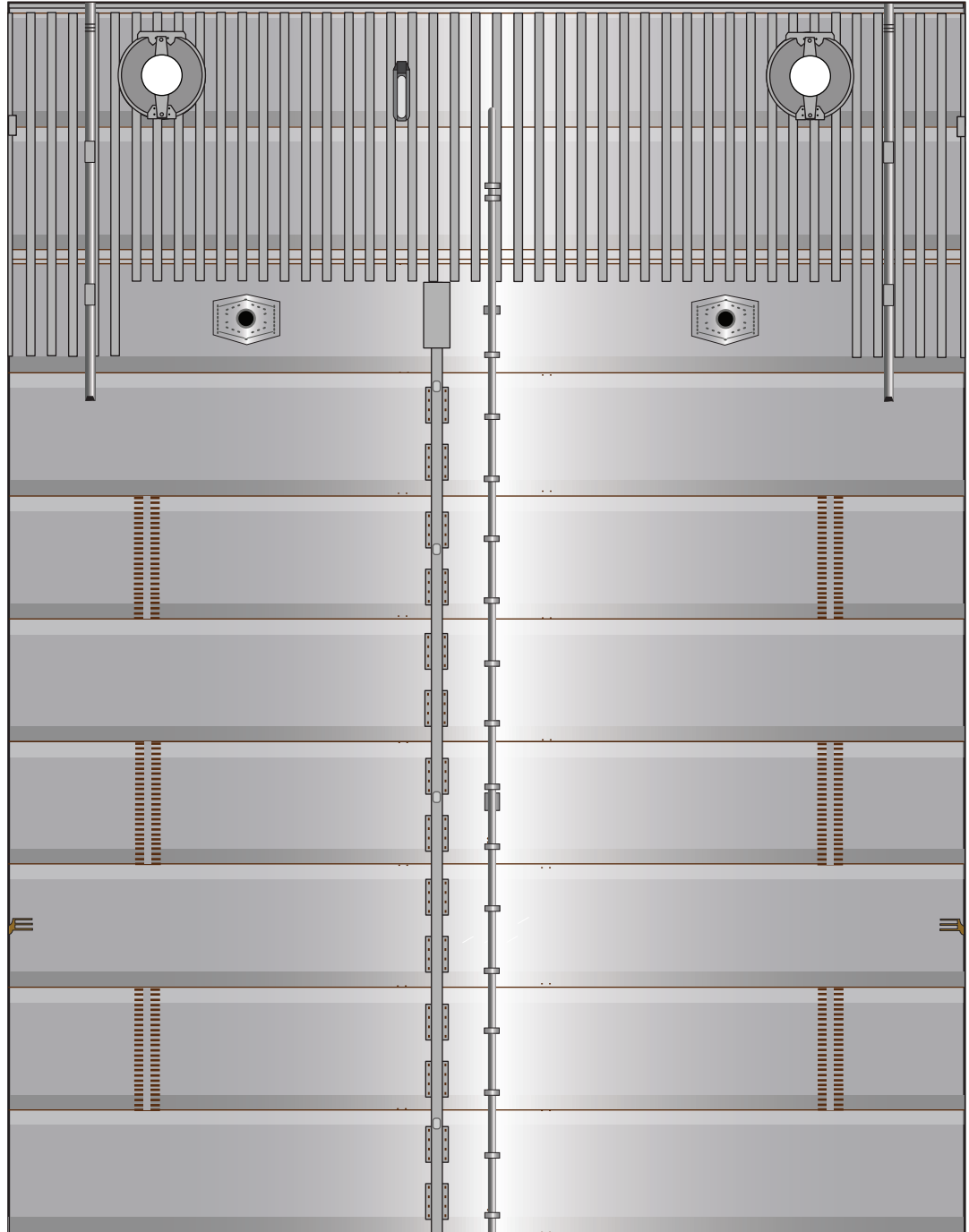
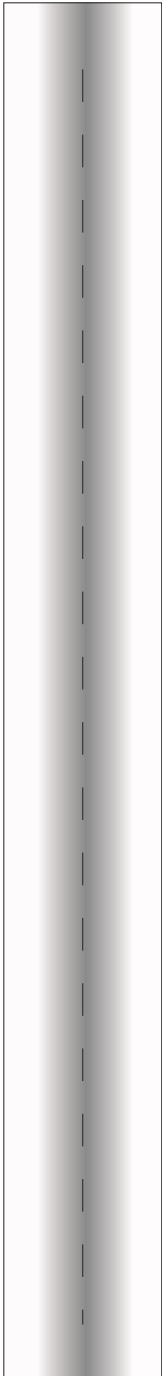
1:100 Scale



Booster 9

Print on Cardstock (110 lbs)

Back side top

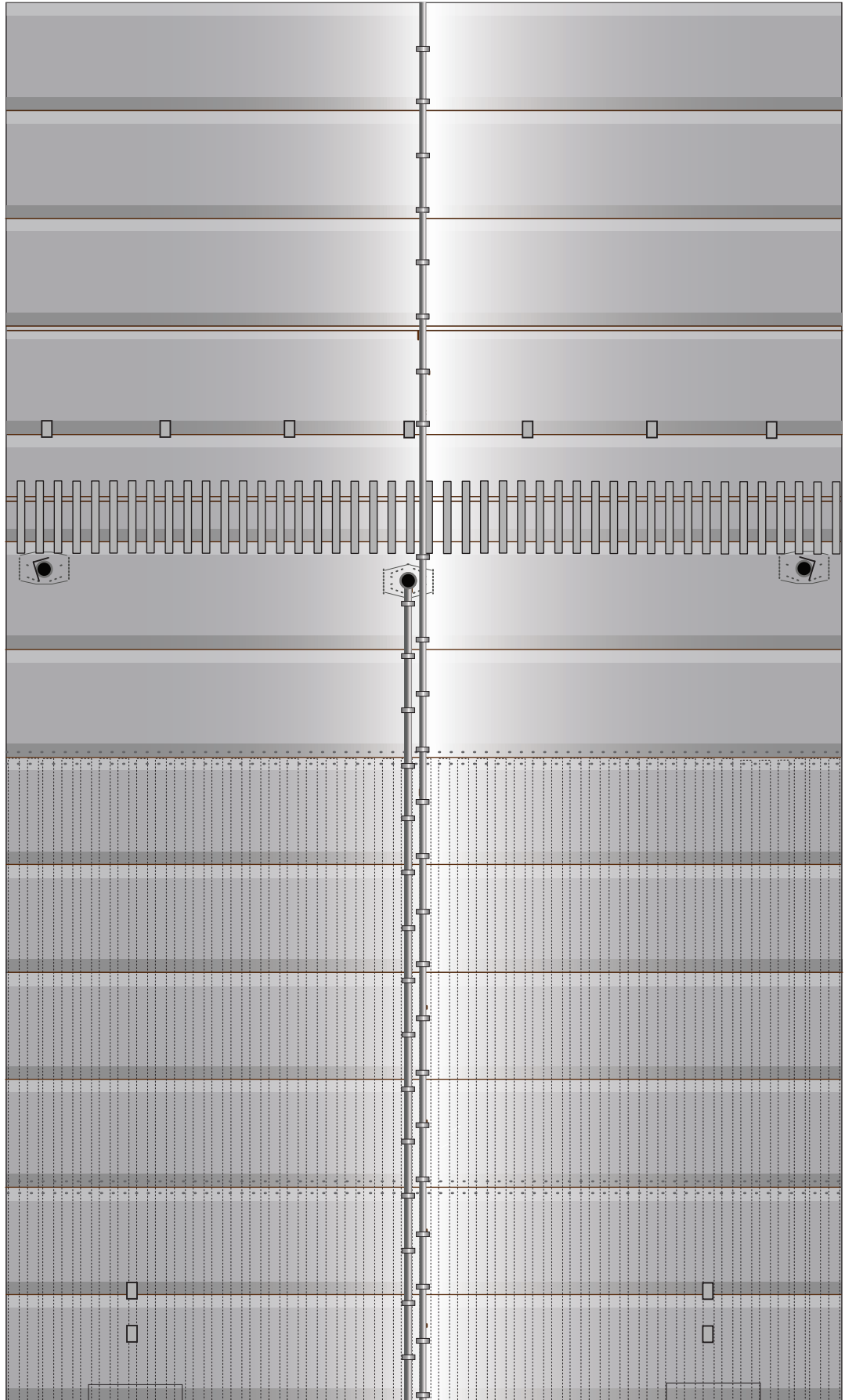
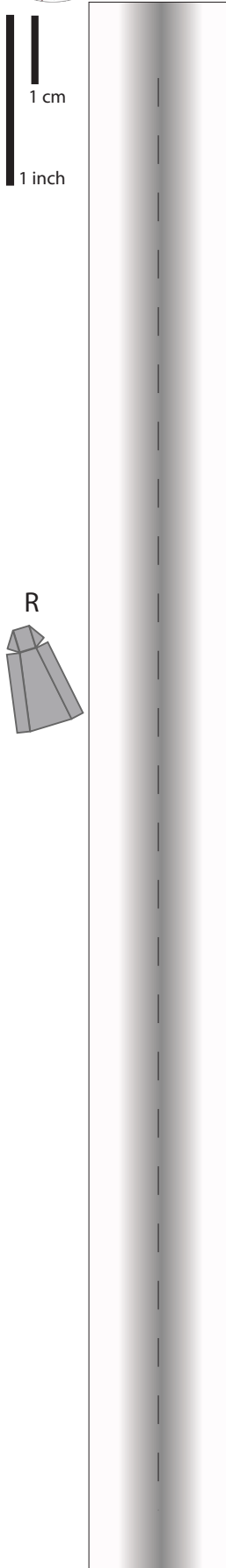




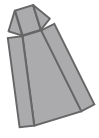
1:100 Scale

Booster 9

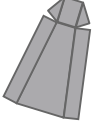
Print on Cardstock (110 lbs)
Belly side middle



R



L

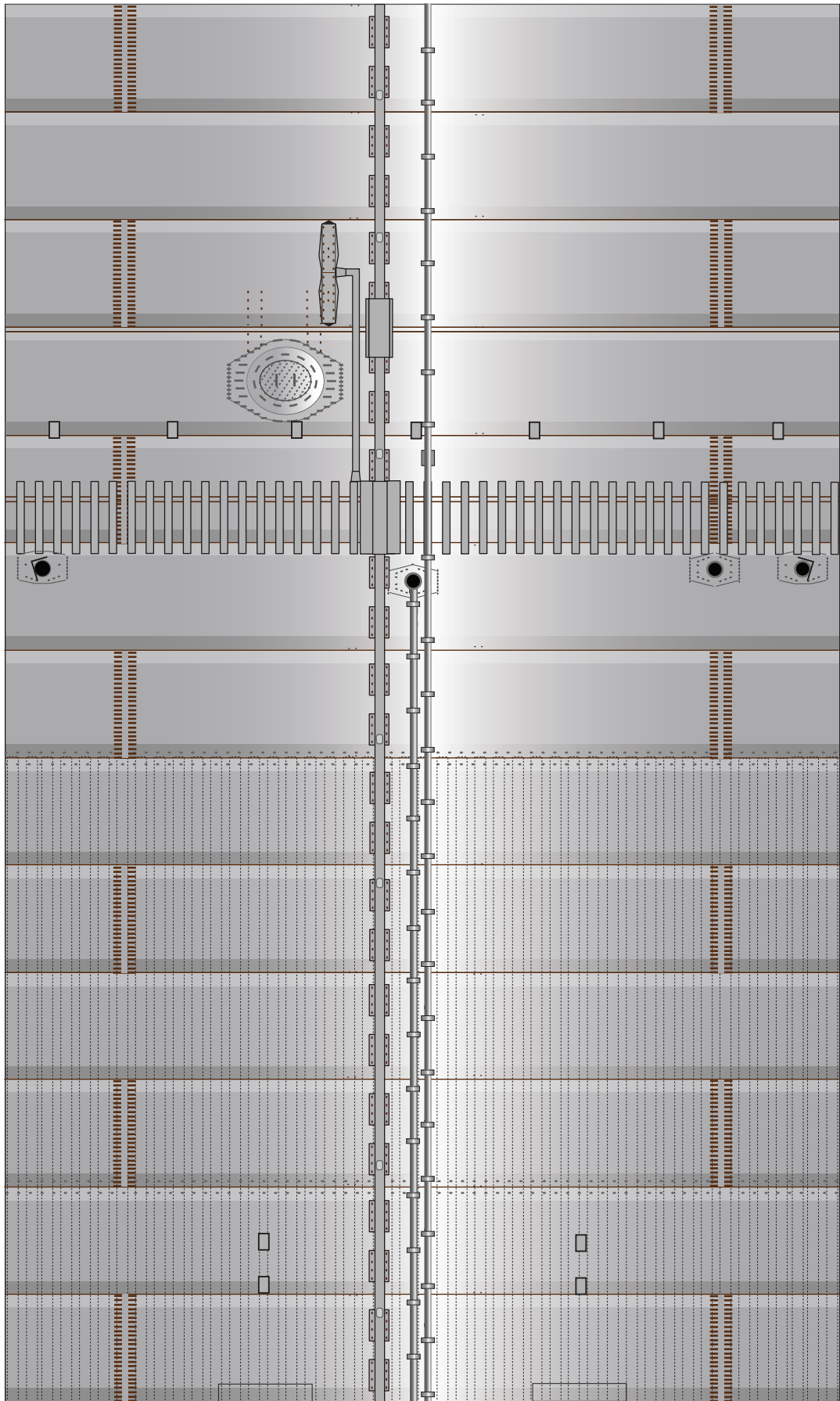
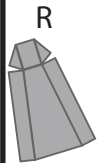




1:100 Scale

Booster 9

Print on Cardstock (110 lbs)
Back side middle



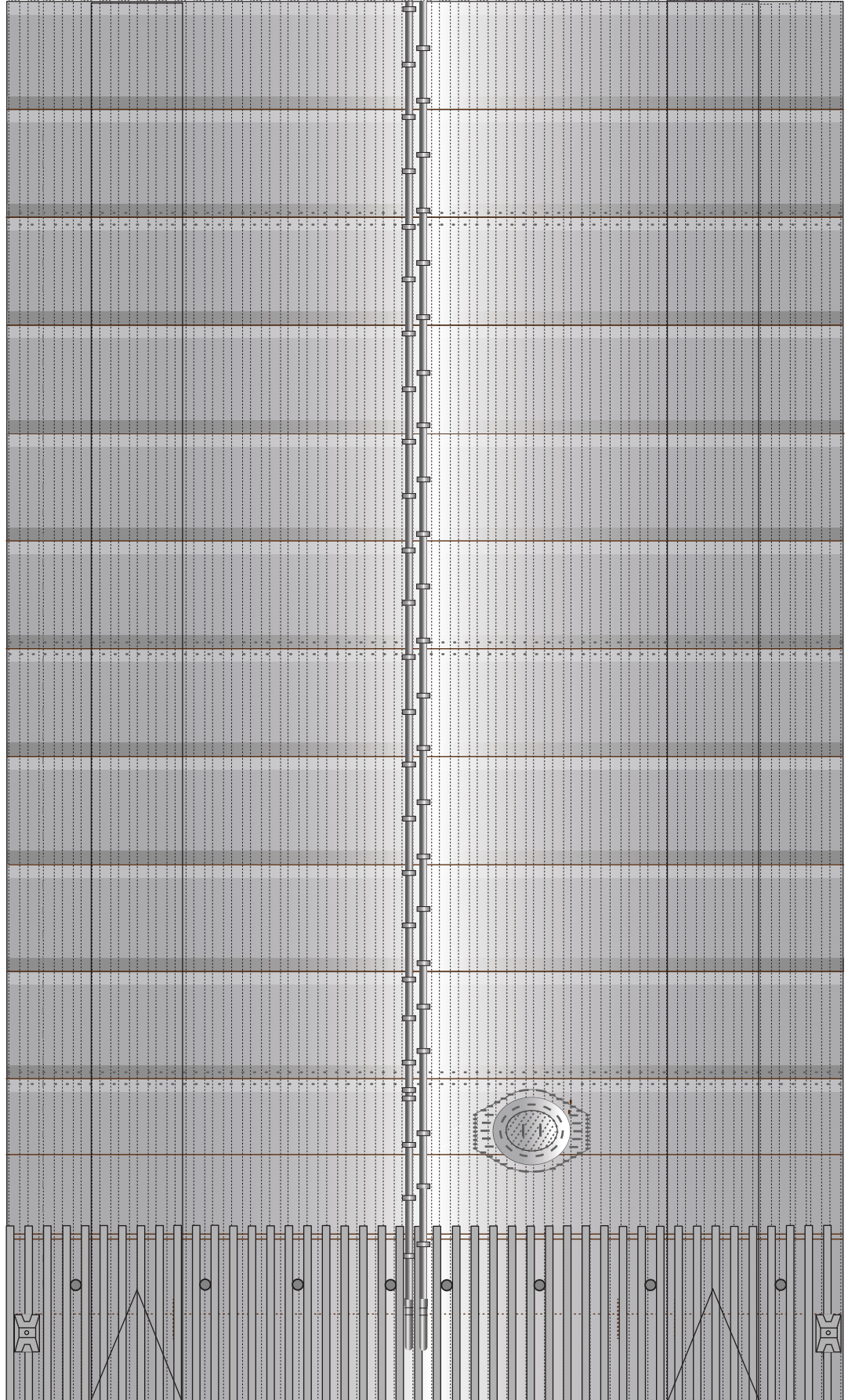
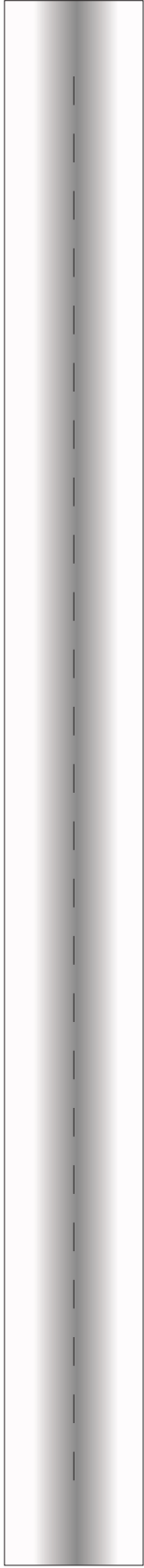


1:100 Scale

Booster 9

Print on Cardstock (110 lbs)

Belly side bottom

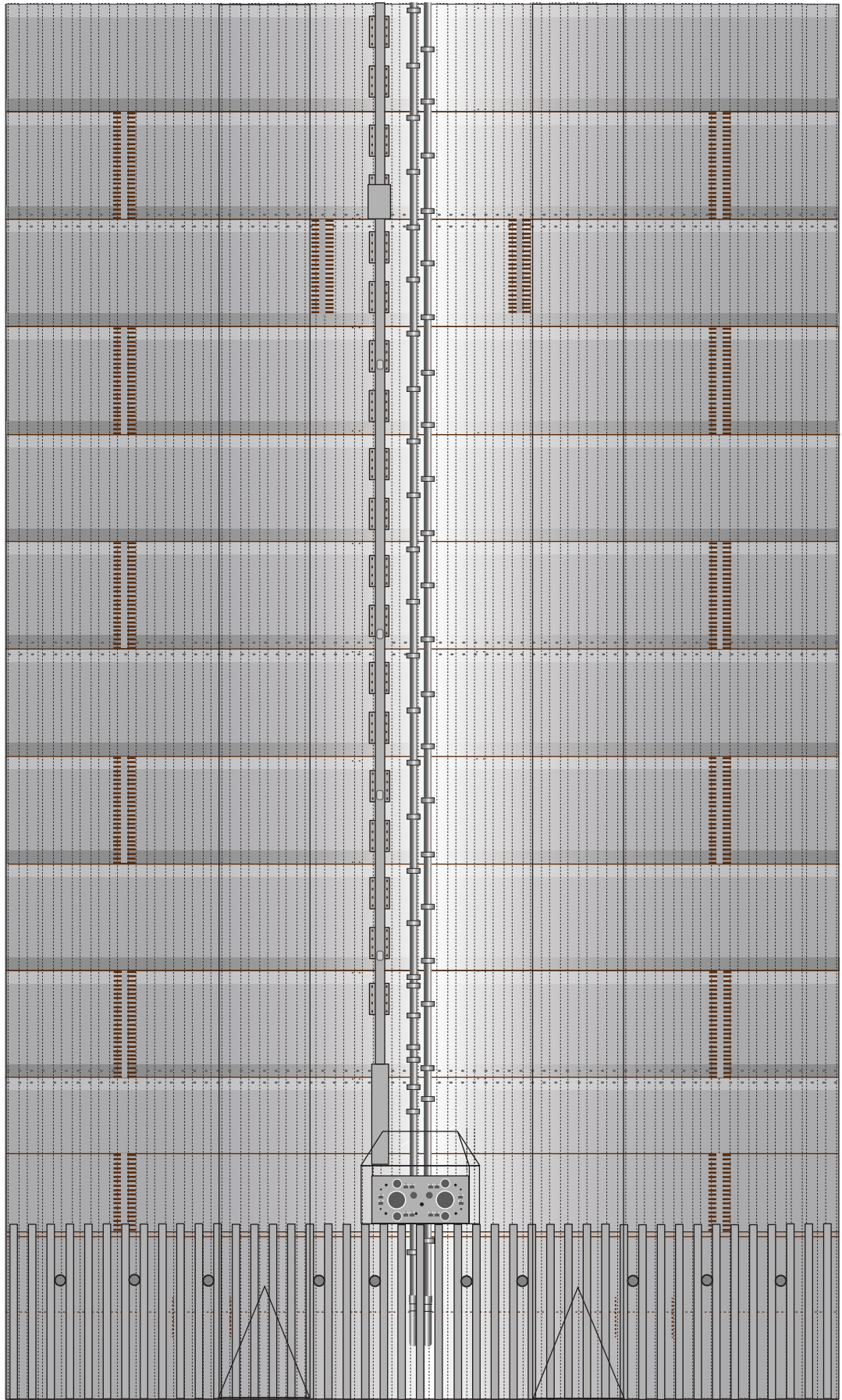
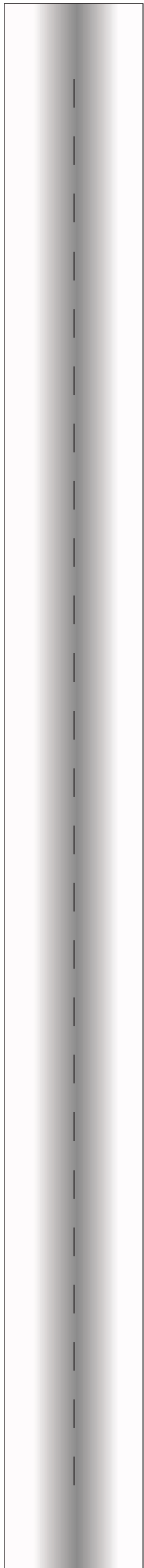




1:100 Scale

Booster 9

Print on Cardstock (110 lbs)
Back side bottom





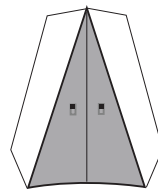
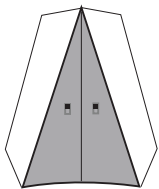
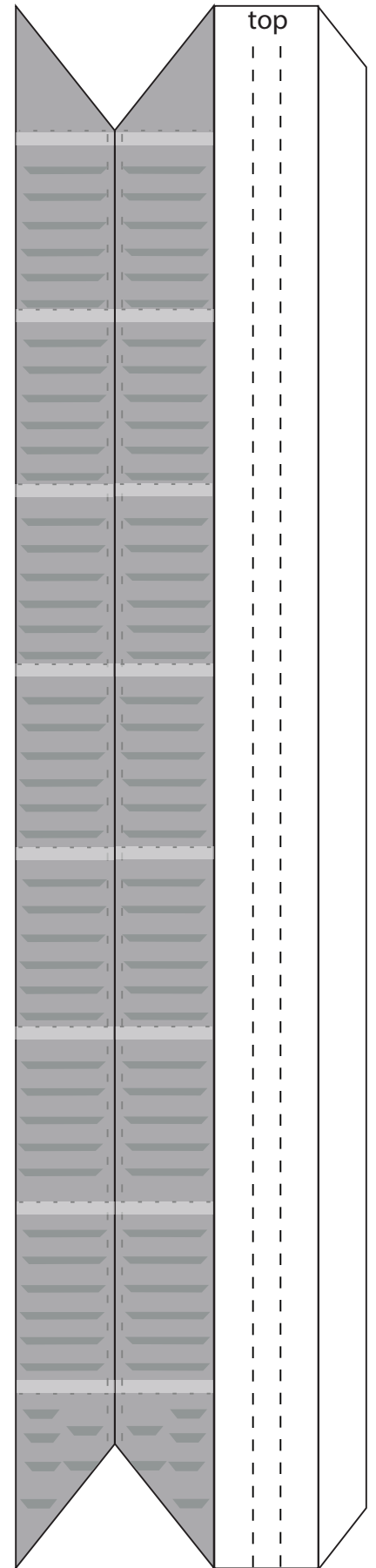
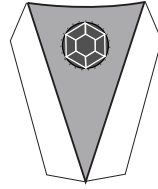
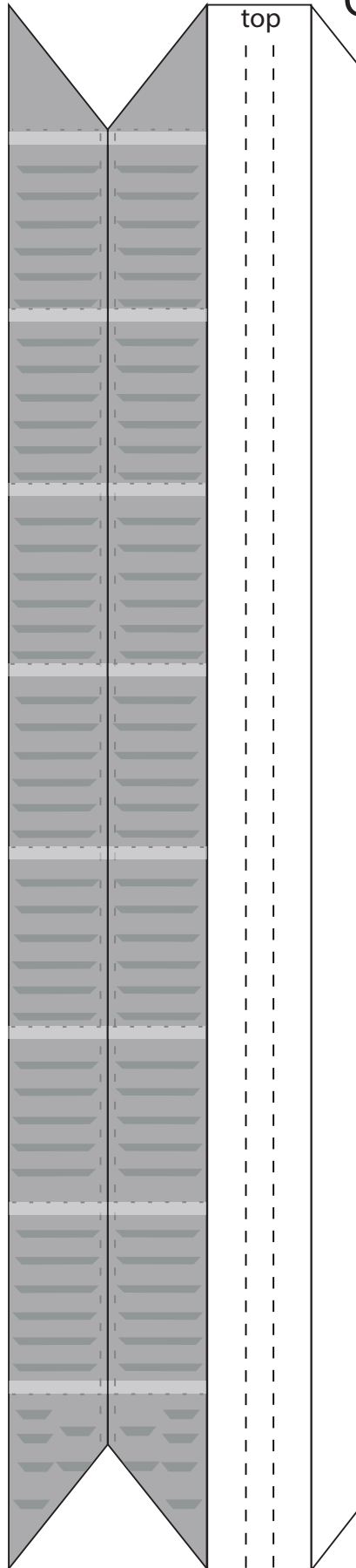
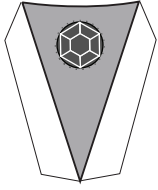
1:100 Scale



SpaceX Heavy booster 9

COPV covers

Print on cardstock (110 lbs)





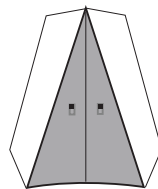
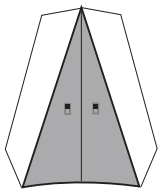
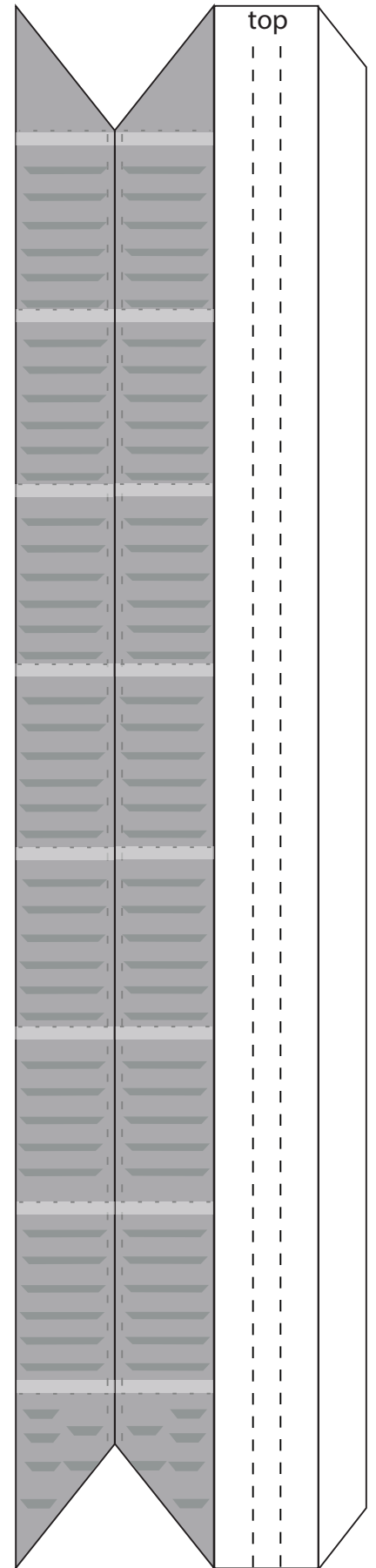
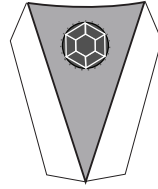
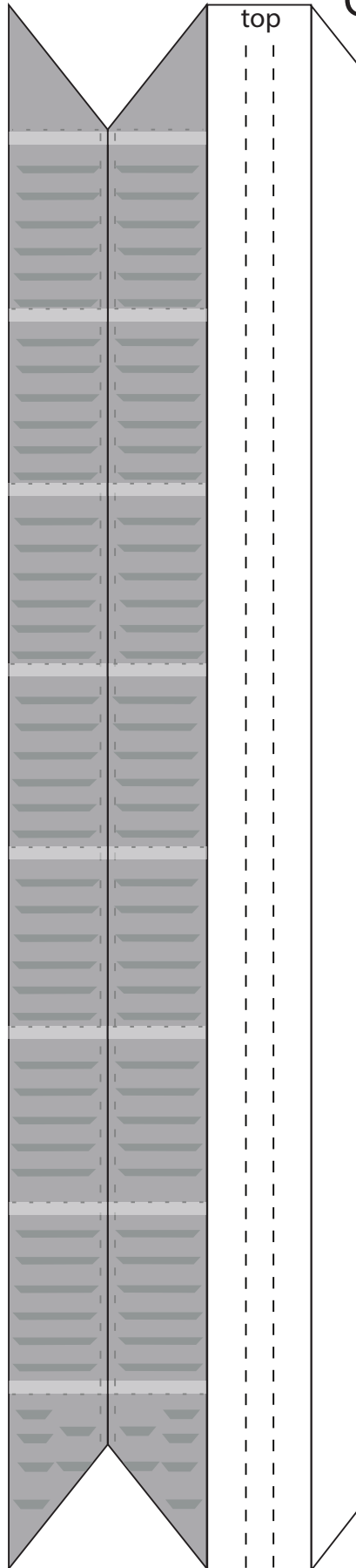
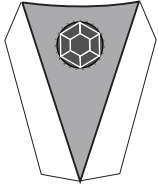
1:100 Scale



SpaceX Heavy booster 9

COPV covers

Print on cardstock (110 lbs)





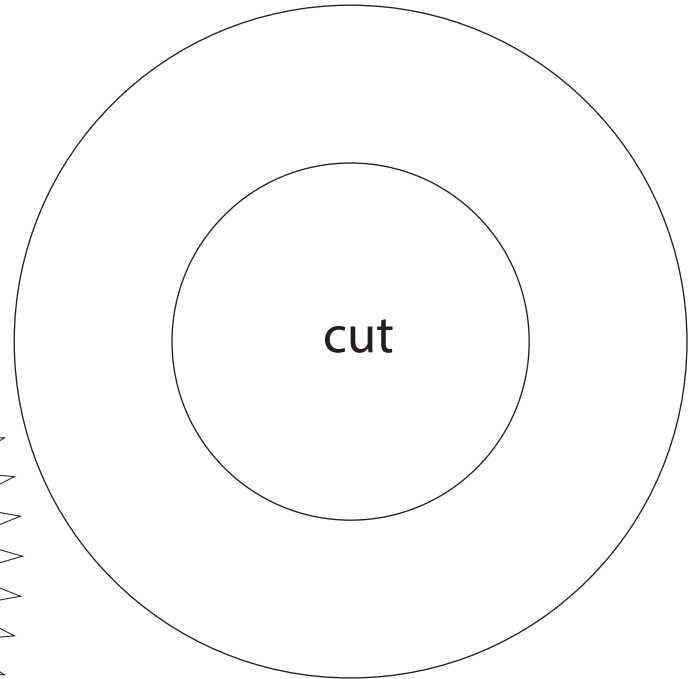
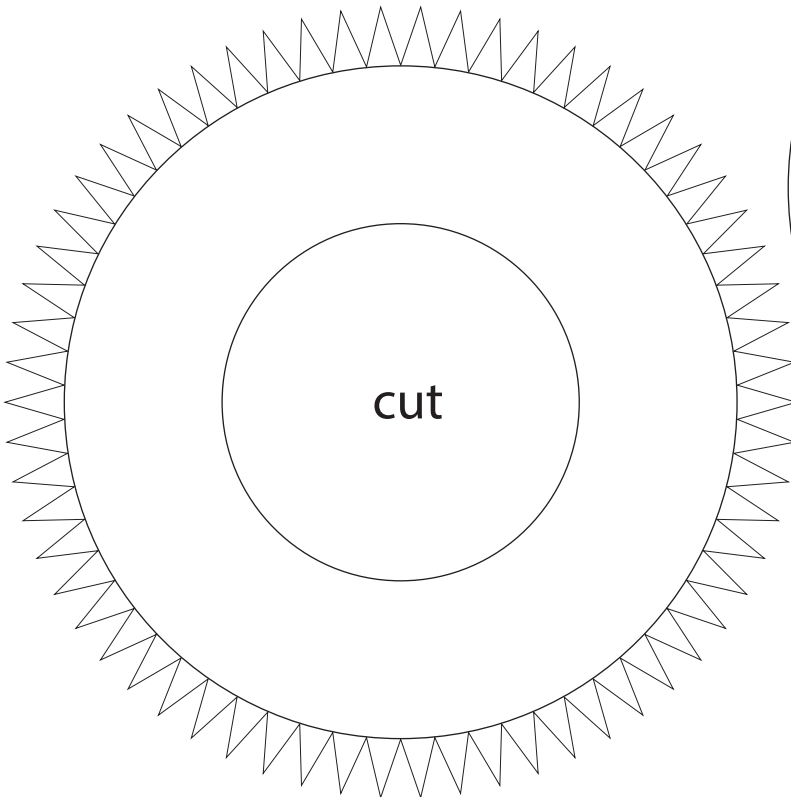
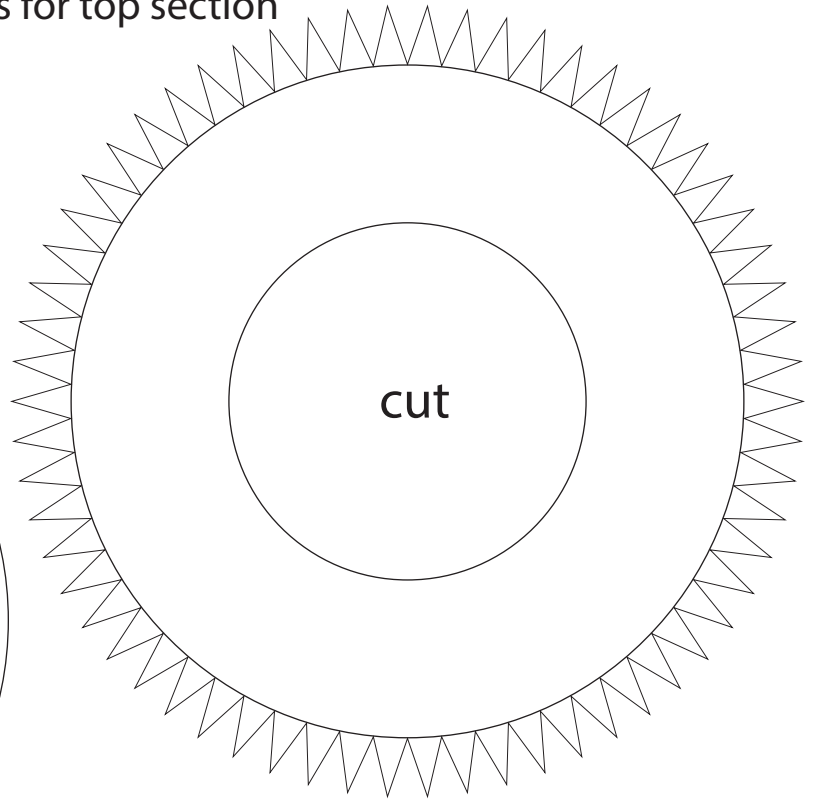
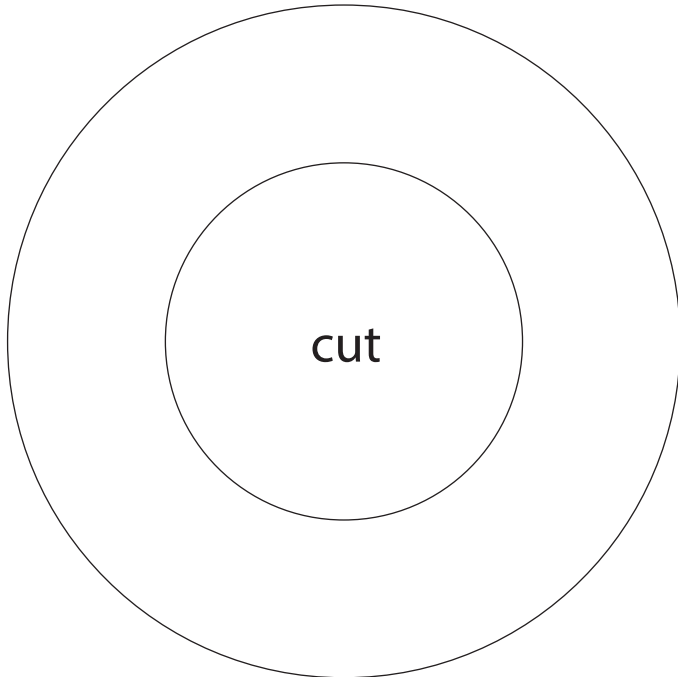
1:100 Scale



SpaceX Starship B9

Formers for top section

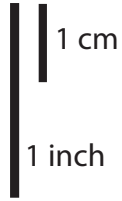
Print on Cardstock (110 lbs)



IMPORTANT
Top former is glued 42 mm from top edge of top booster section.
Bottom former is glued 20 mm from bottom edge of top booster section.



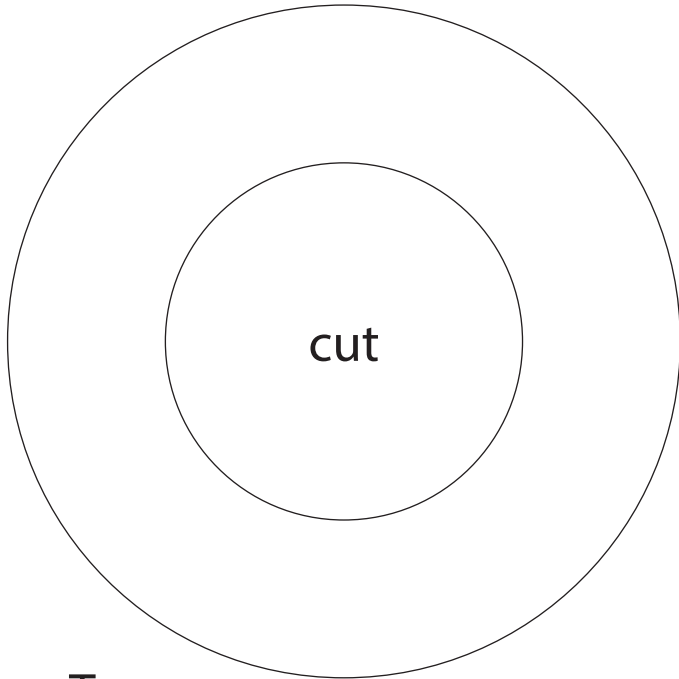
1:100 Scale



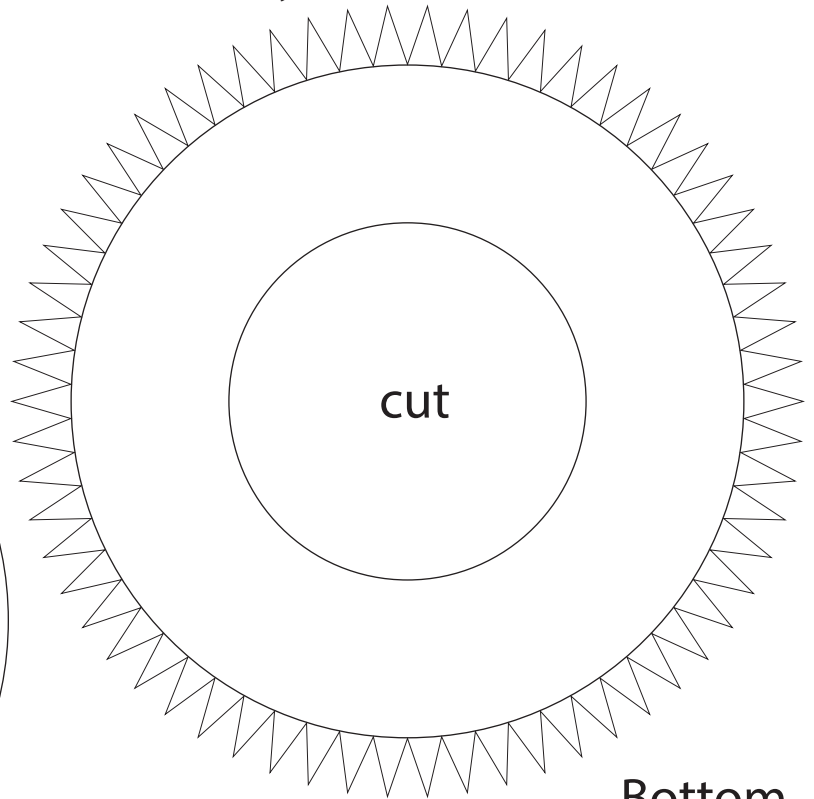
SpaceX Starship B9

Print on Cardstock (110 lbs)

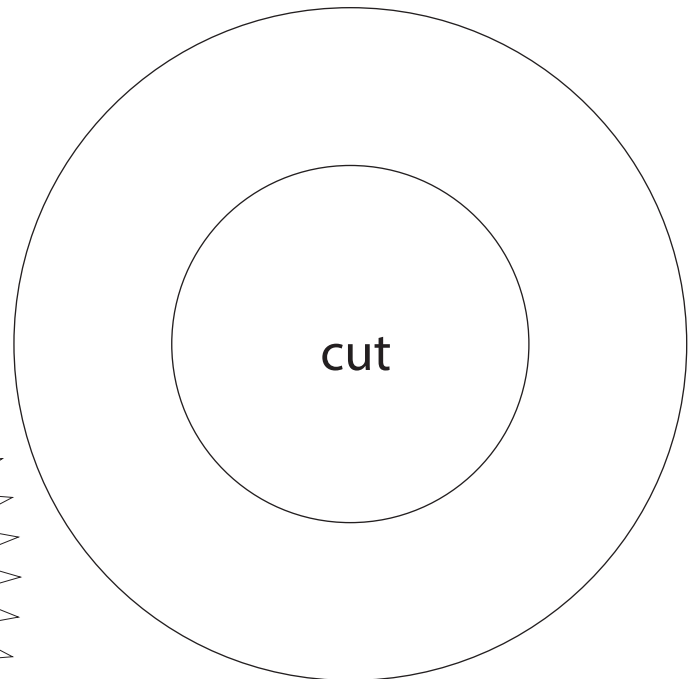
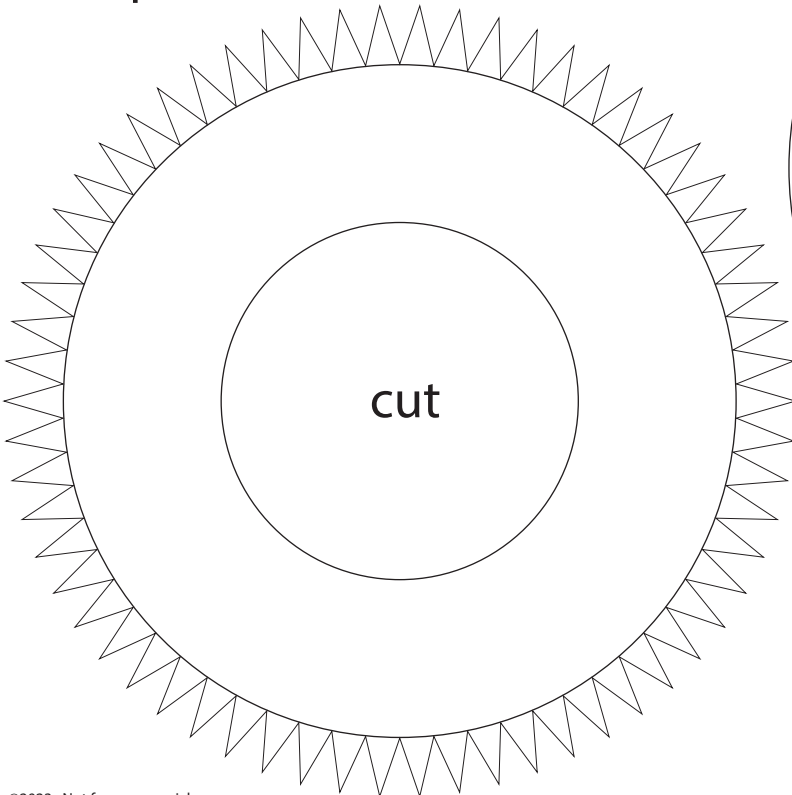
Formers for middle body



Top



Bottom

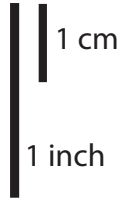


IMPORTANT

Top former is glued 20 mm from top edge of middle booster section. Bottom former is glued 20 mm from bottom edge of middle booster section.



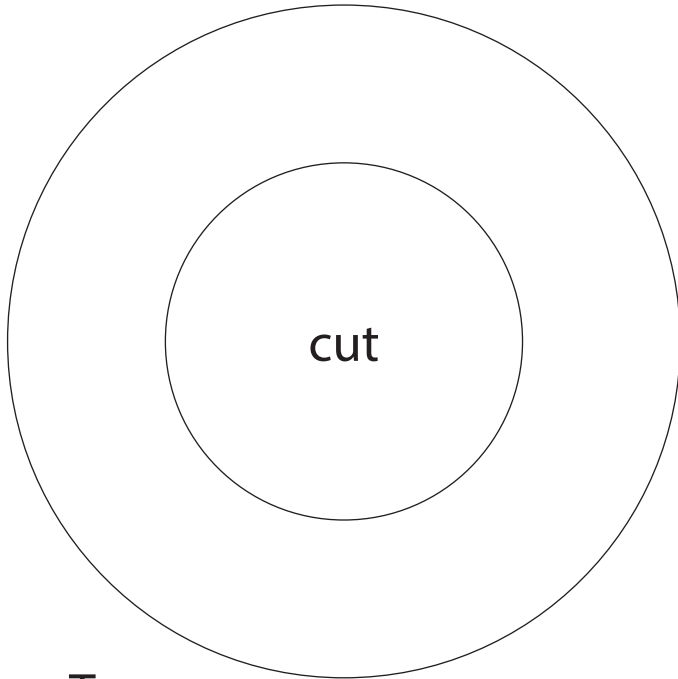
1:100 Scale



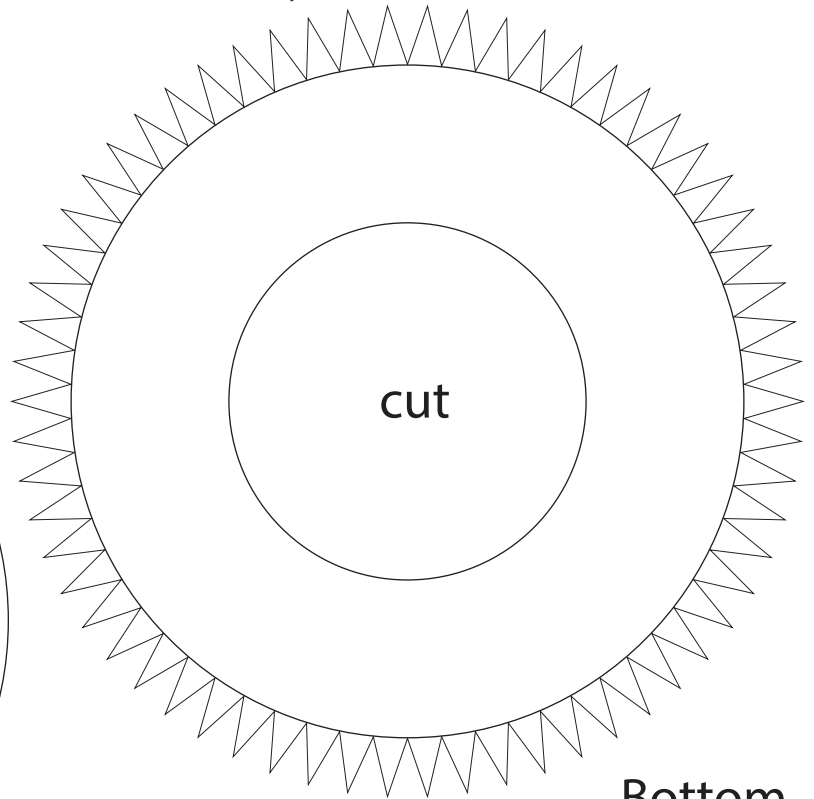
SpaceX Starship B9

Print on Cardstock (110 lbs)

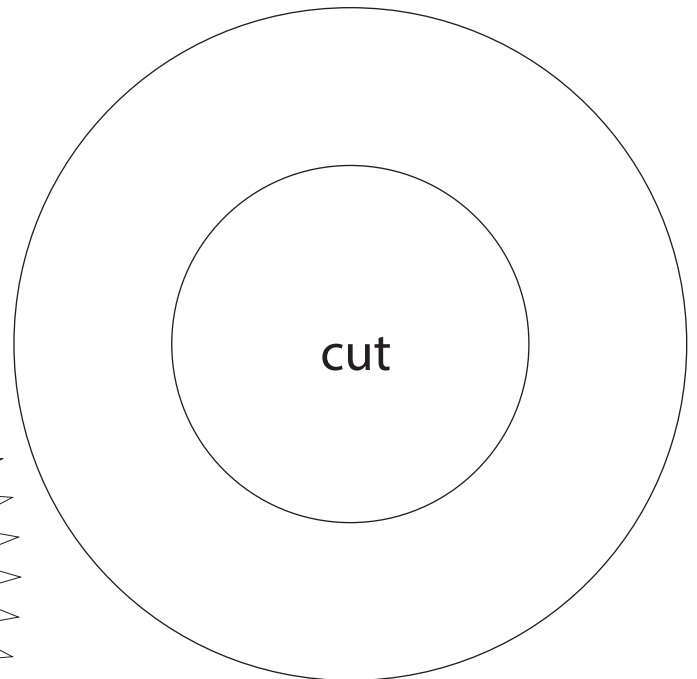
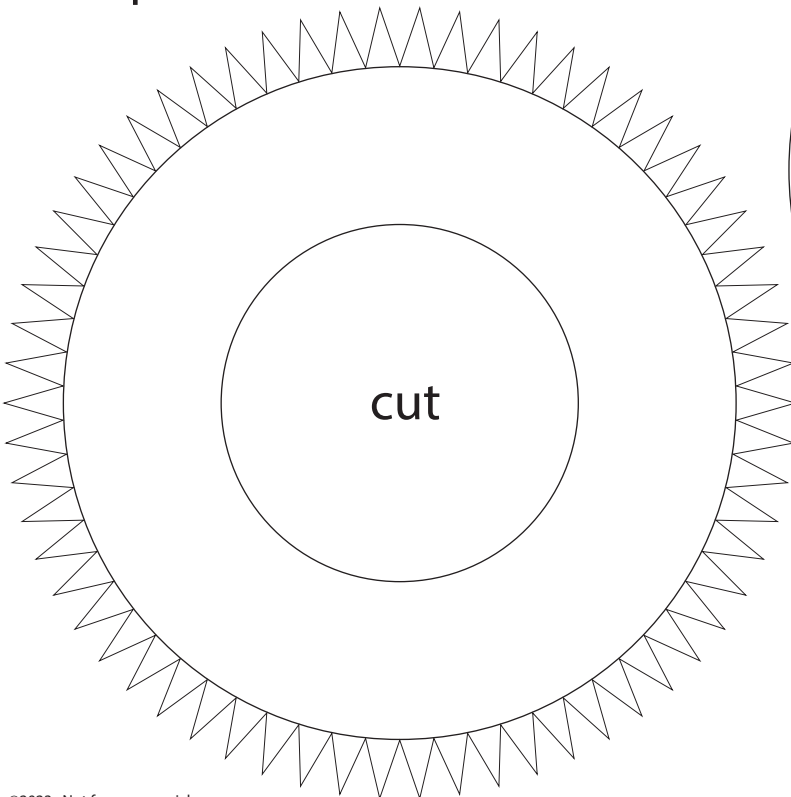
Formers for bottom body



Top



Bottom



IMPORTANT

Top former is glued 20 mm from top edge of bottom booster section. Bottom former is glued 19 mm from bottom edge of bottom booster section.



1 cm

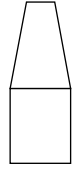
1 inch

1:100 Scale

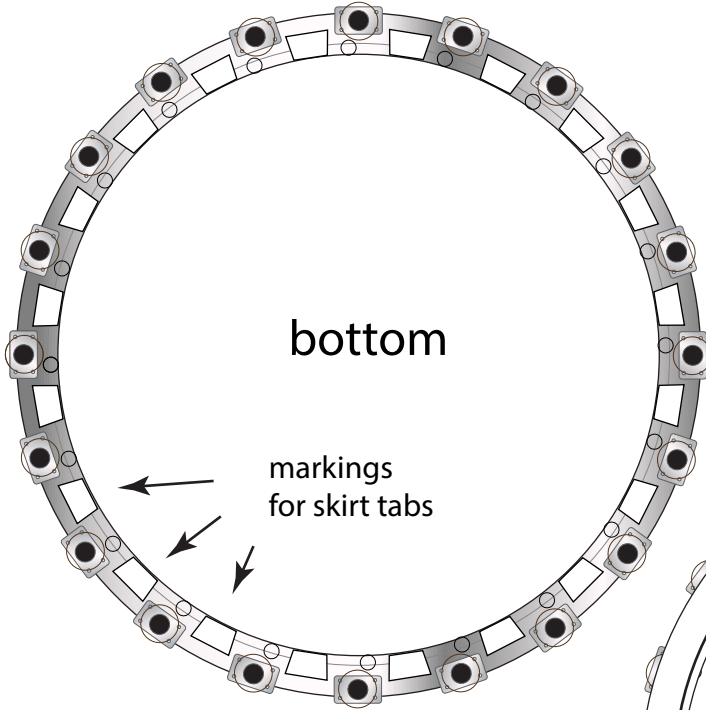
SpaceX SuperHeavy

Print on Cardstock (110 lbs)

Revised

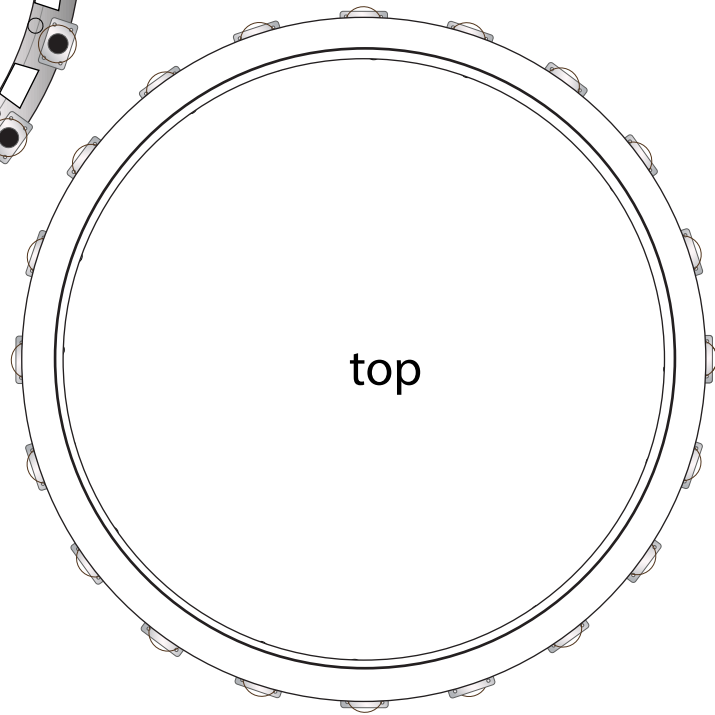


Outer Raptor ring



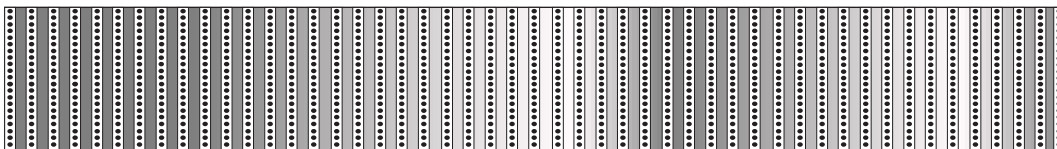
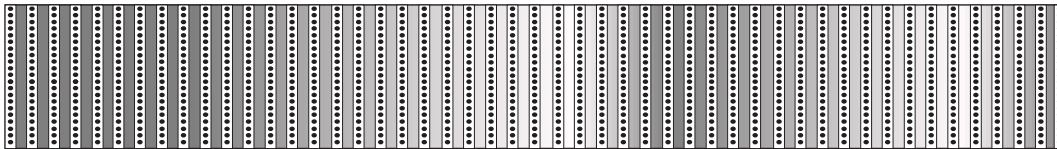
bottom

markings
for skirt tabs



top

Engine section interior skin





1 cm

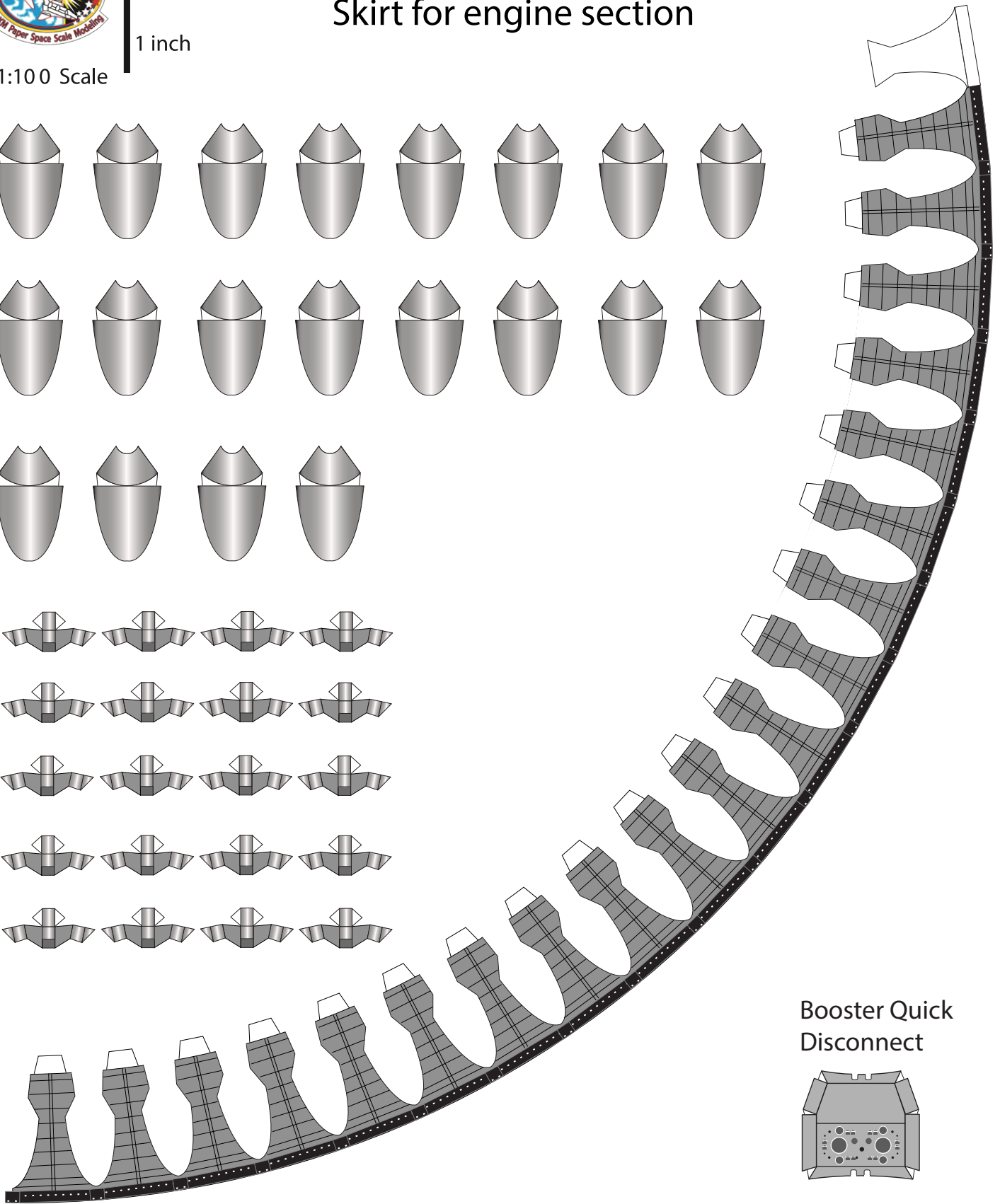
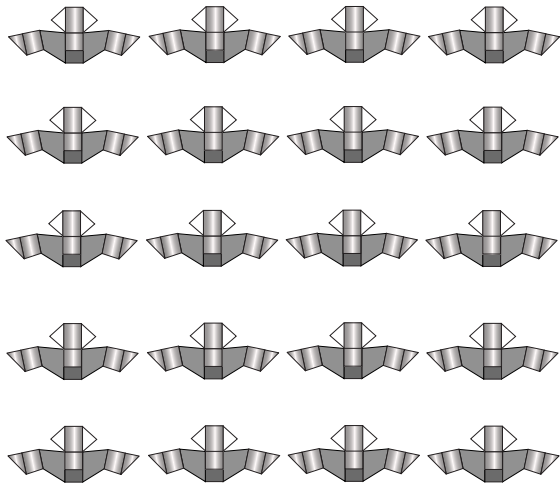
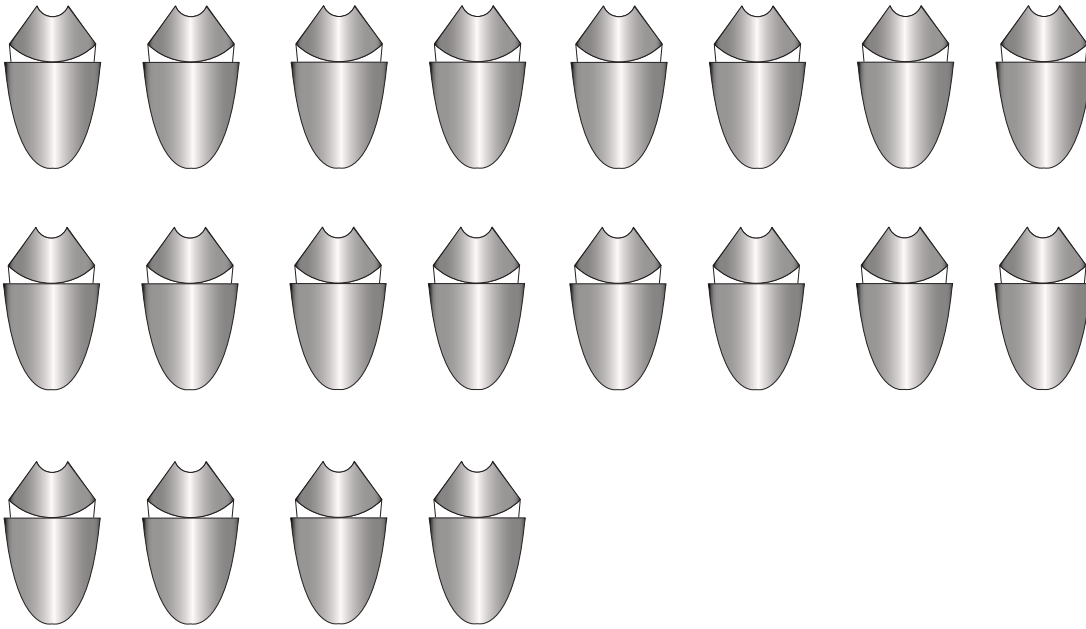
1 inch

1:100 Scale

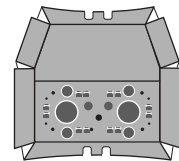
SpaceX Heavy Booster 9

Print on Cardstock (90 lbs)

Skirt for engine section



Booster Quick Disconnect





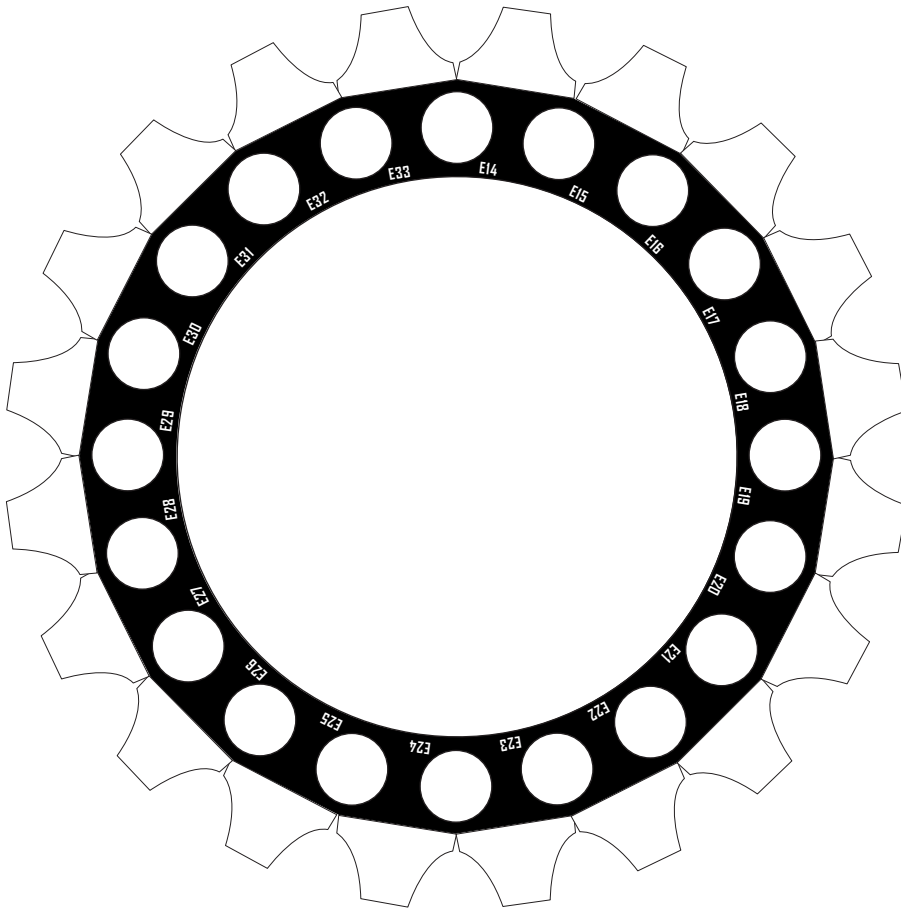
1 cm

1 inch

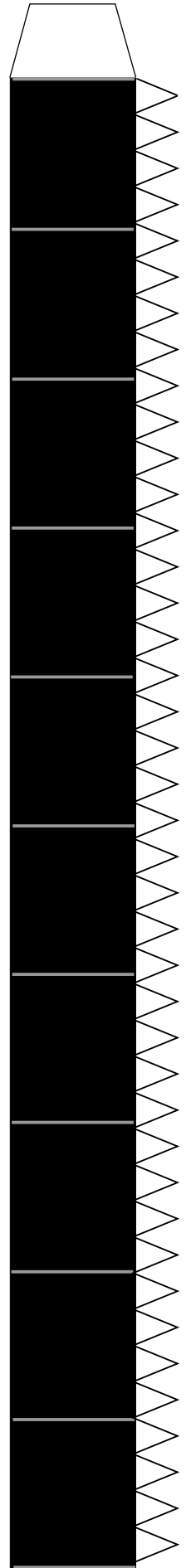
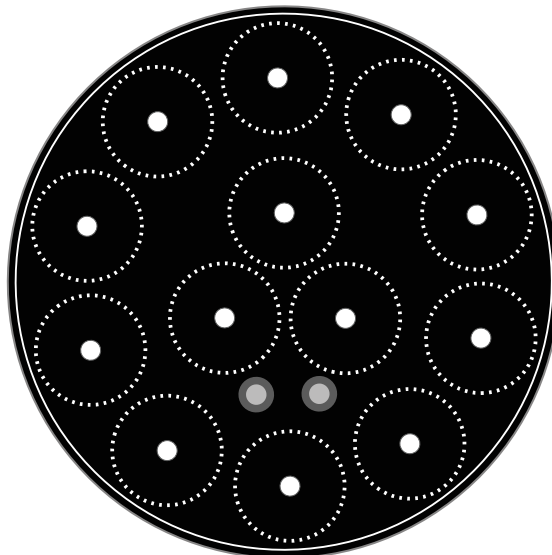
1:100 Scale

SpaceX Heavy Booster 9

Skirt floor and wall



Glue Raptor base



Print on Cardstock (90 lbs)



1 cm

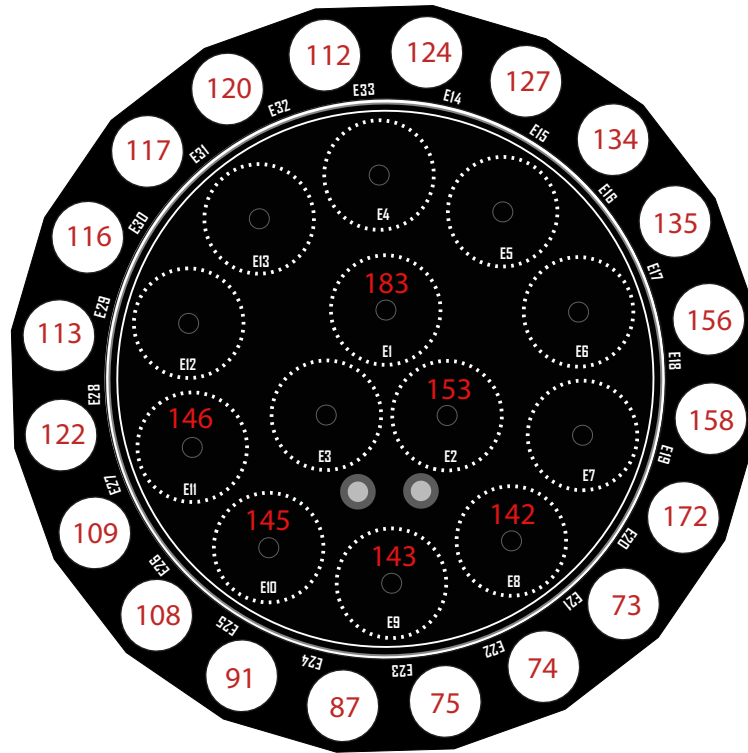
1 inch

1:100 Scale

SpaceX Heavy Booster 9

Raptor location

Umbilical side



Reference data from Nick (Ring Watchers)



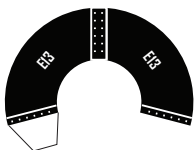
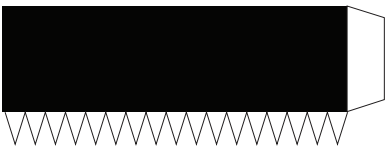
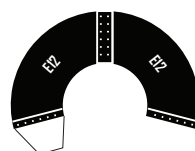
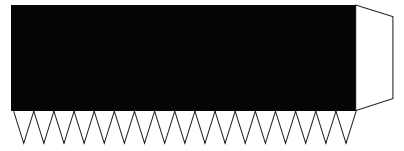
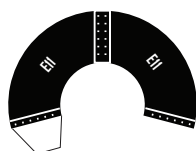
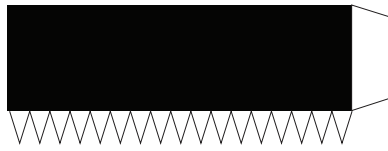
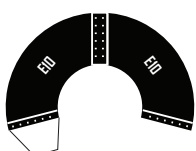
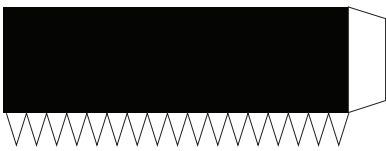
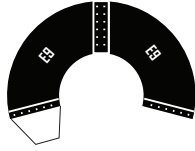
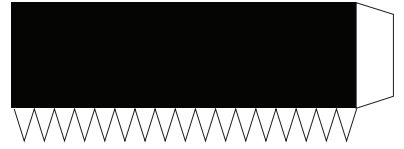
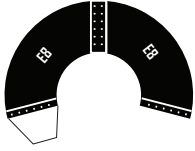
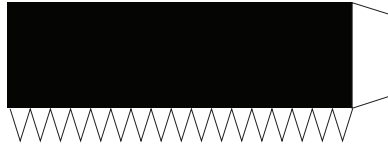
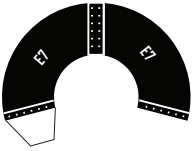
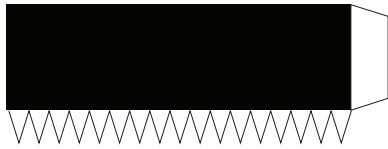
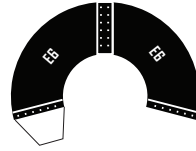
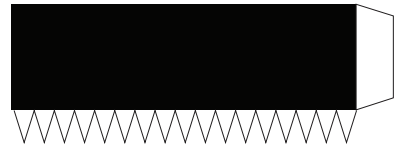
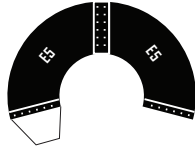
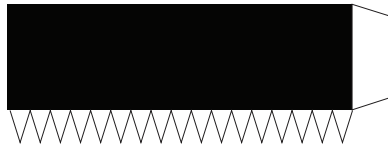
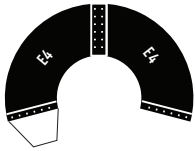
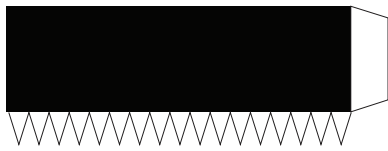
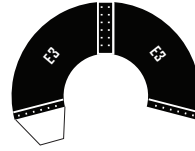
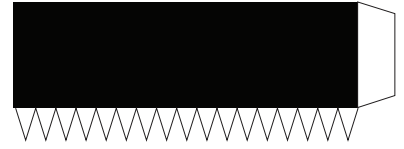
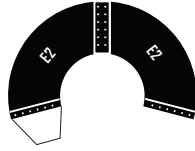
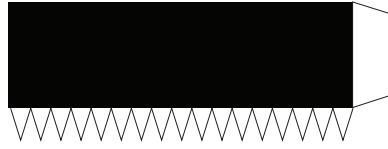
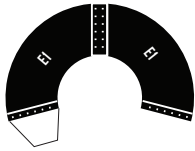
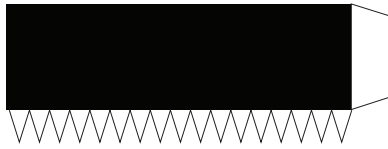
1 cm

1 inch

1:100 Scale

B9 inner Raptor covers

Print on cardstock





1 cm

1 inch

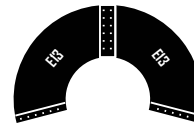
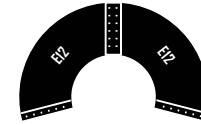
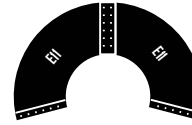
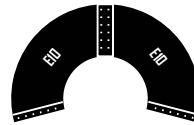
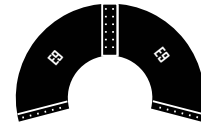
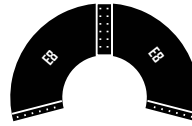
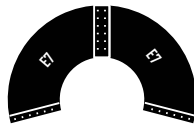
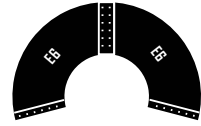
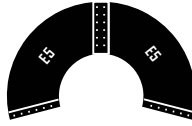
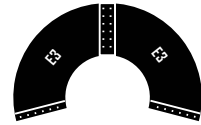
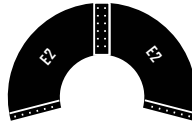
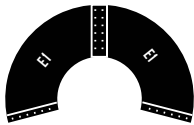
1:100 Scale

SpaceX Heavy Booster 9

Use sticker paper

Raptor numbering

109	122	113	116	117	120
112	124	127	134	135	156
158	172	73	74	75	87
91	108	146	145	143	142
183	153				



These stickers can be used on your old Raptor nozzles and Raptor covers, and it works for both paper and 3D printed Raptors.



1 cm

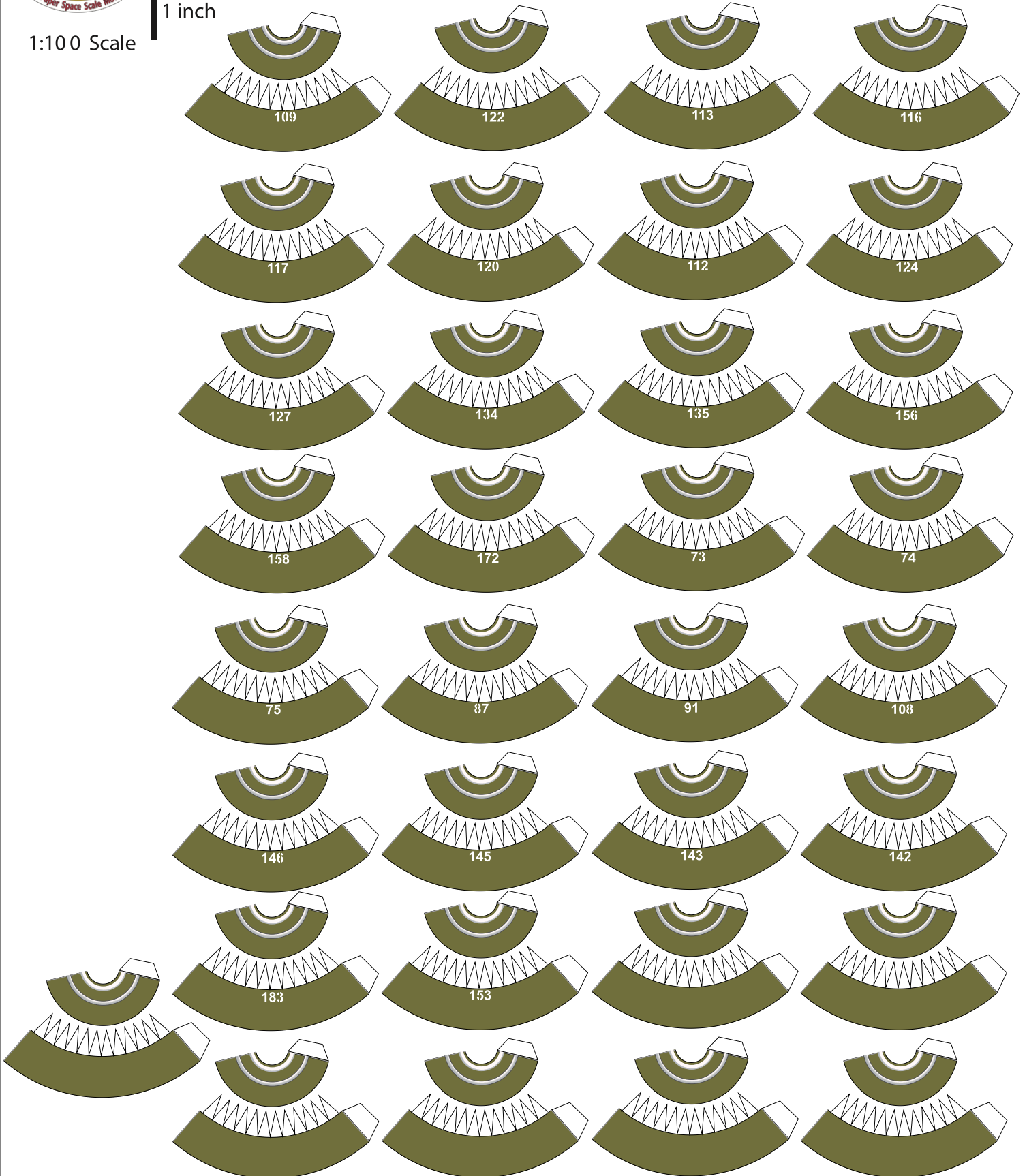
1 inch

1:100 Scale

SuperHeavy Raptors

Print on Cardstock (110 lbs)

UPDATE





SuperHeavy Raptors BACKPRINT

Print on Cardstock (110 lbs)

