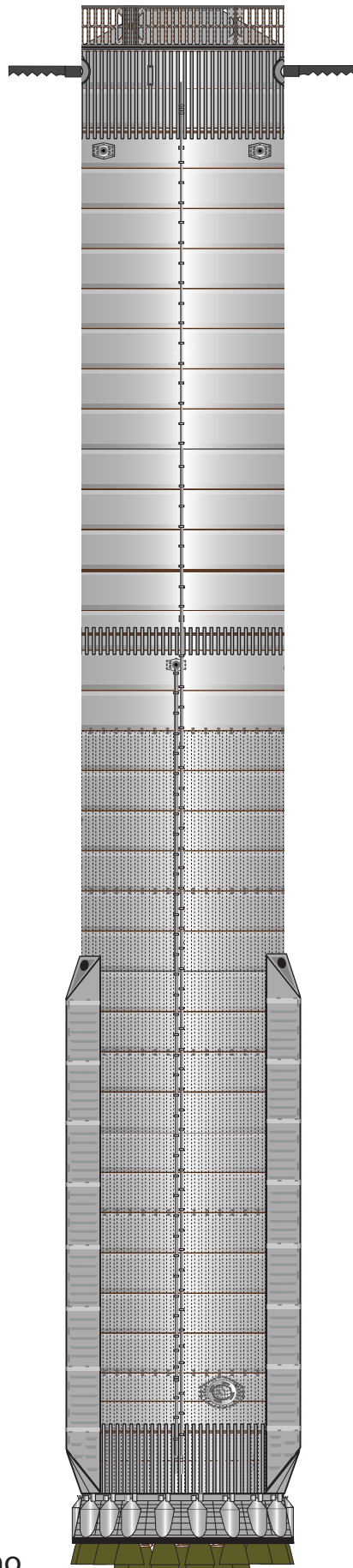
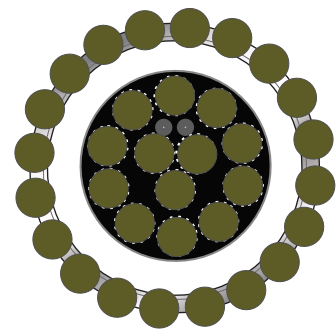
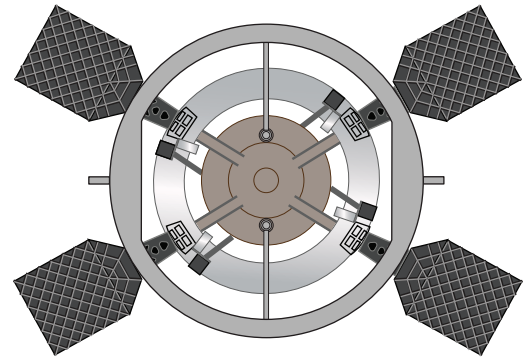
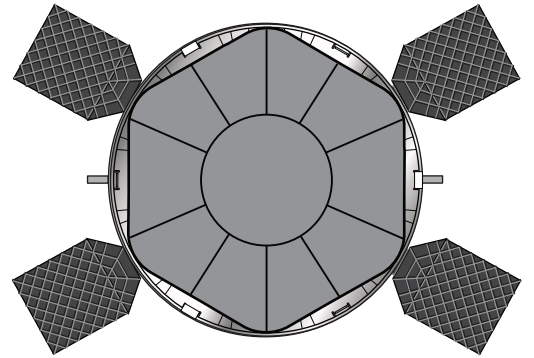




1:100 Scale



# B9



Designed by Alfonso X Moreno

©2023 Not for commercial use



1 cm

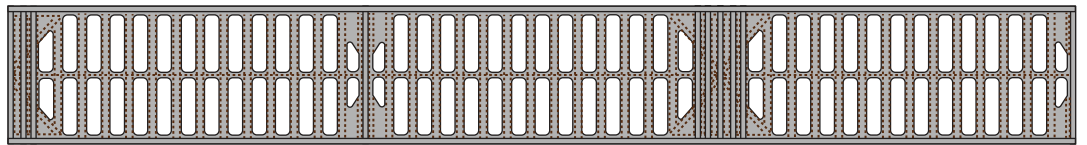
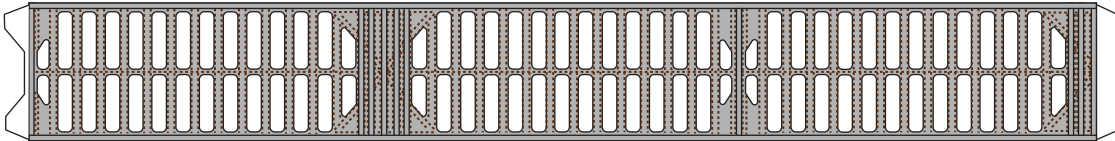
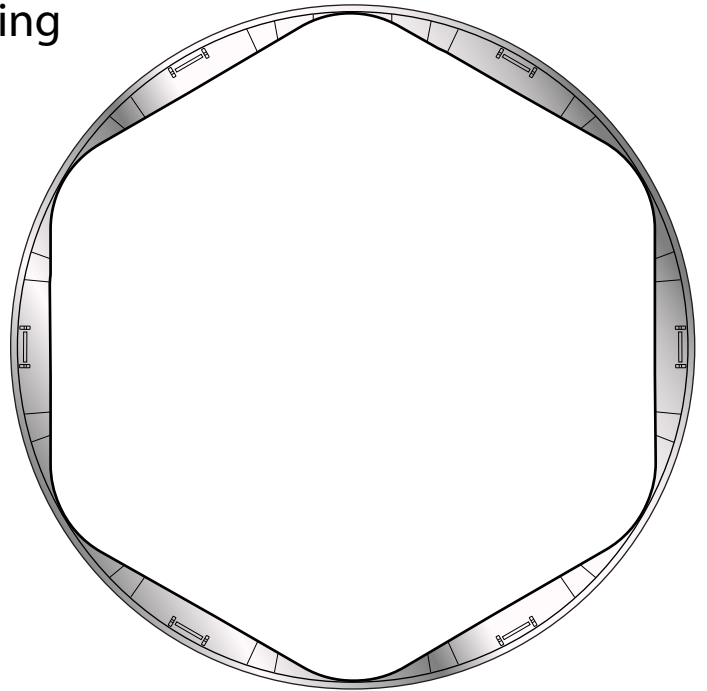
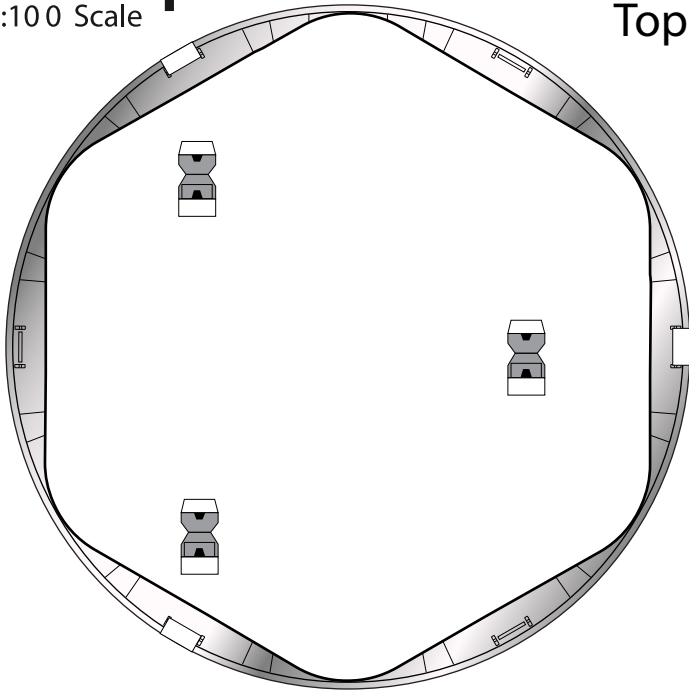
1 inch

# Hot staging Ring

Print on Cardstock ( 110 lbs)

1:100 Scale

Top ring



Booster  
umbilicals

Booster  
front

right  
side

Bottom ring

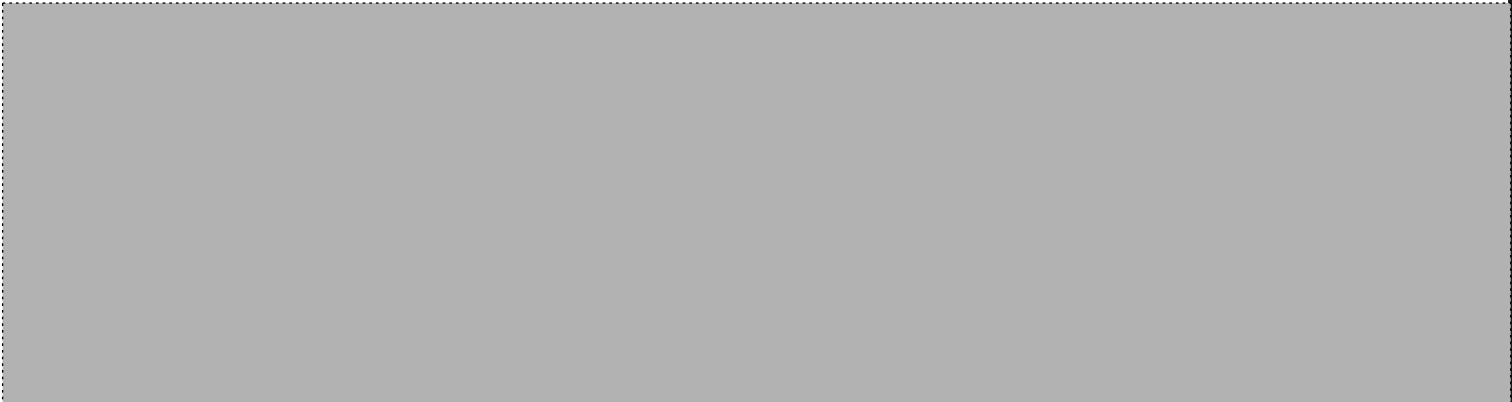


1:100 Scale

# Hot staging Ring

Print on Cardstock ( 110 lbs)

## Back Print





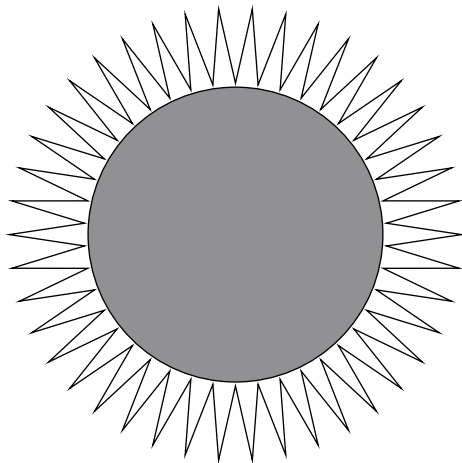
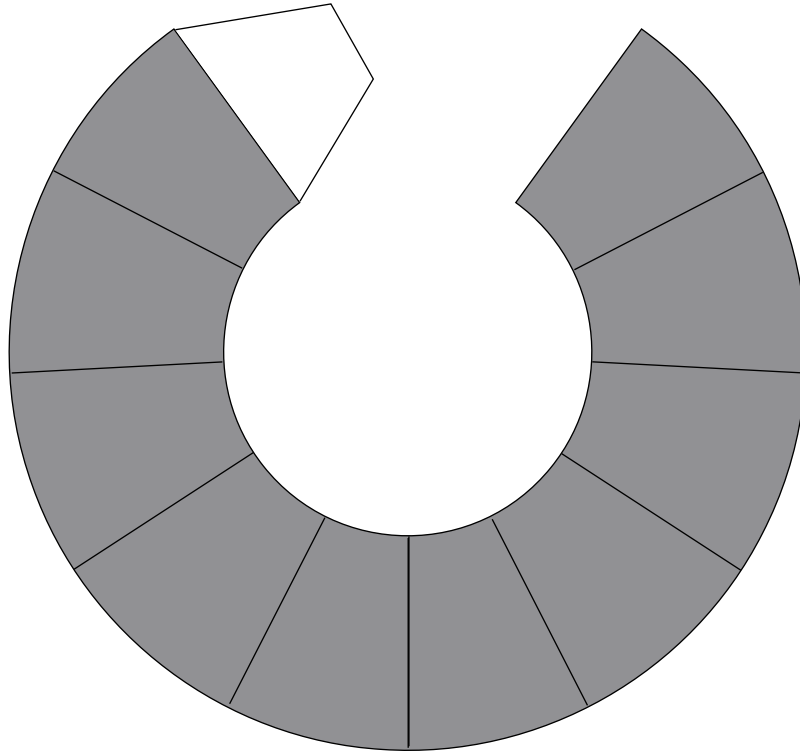
1 cm

1 inch

1:100 Scale

# Hot staging Ring Dome

Print on Cardstock ( 110 lbs)





1 cm

1 inch

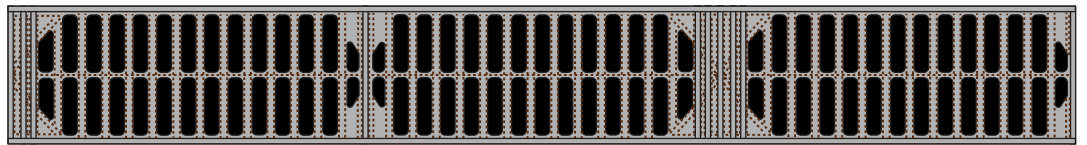
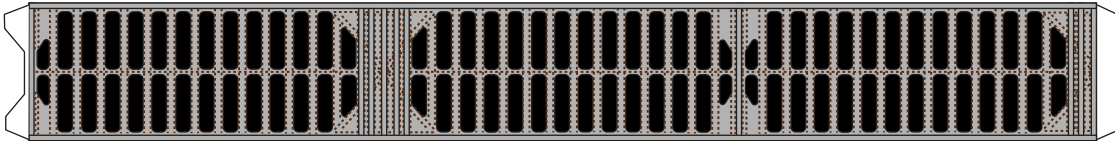
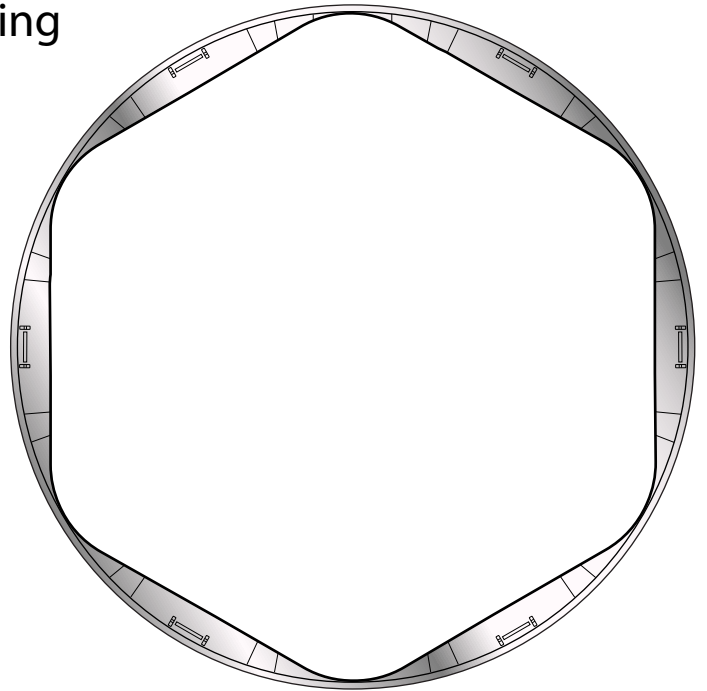
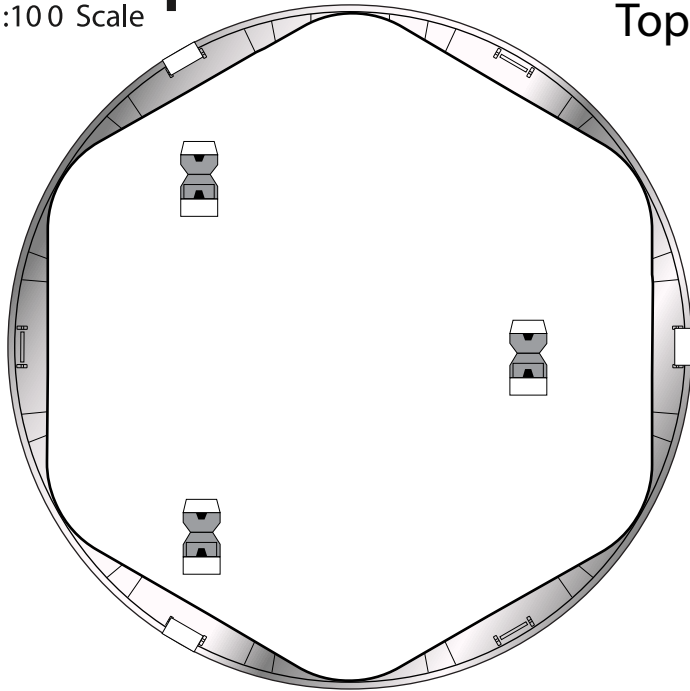
1:100 Scale

# Hot staging Ring

Print on Cardstock ( 110 lbs)

## Simple version

### Top ring



Booster  
umbilicals

Booster  
front

right  
side

### Bottom ring

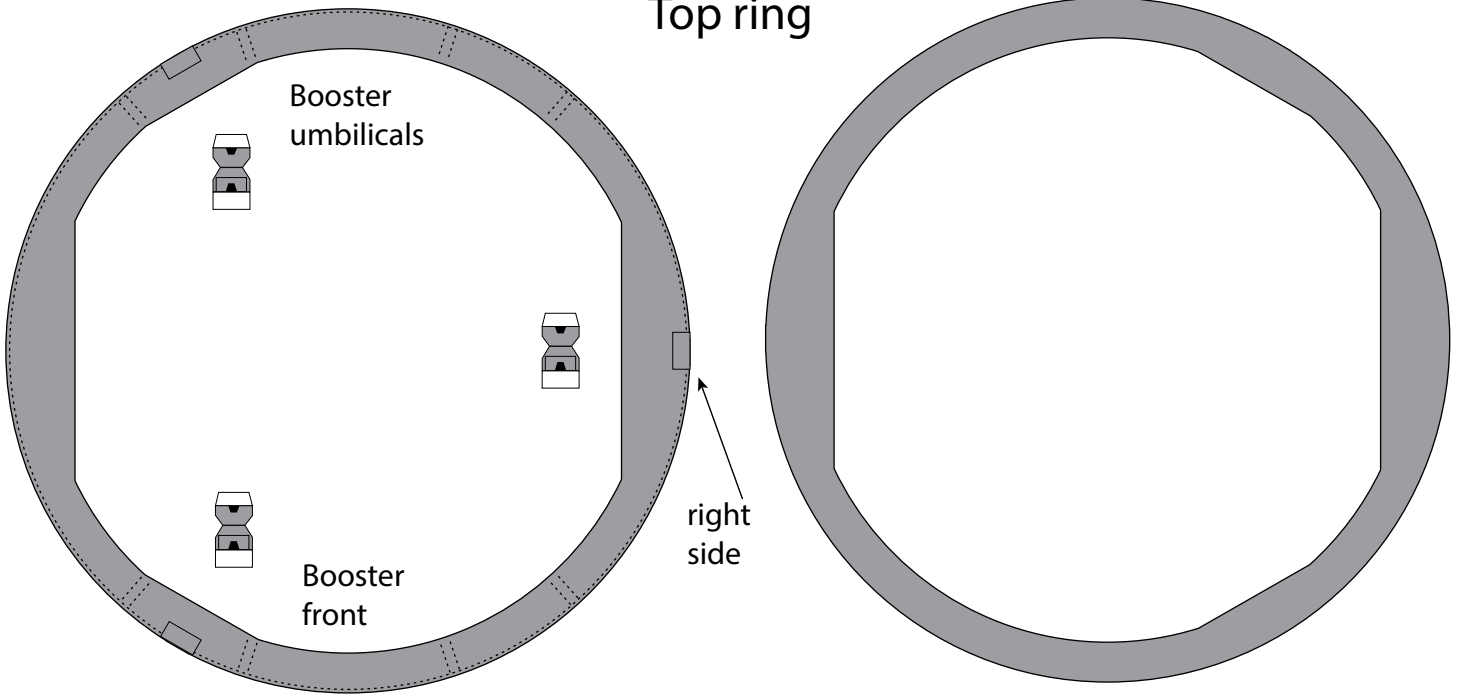


# SpaceX SuperHeavy

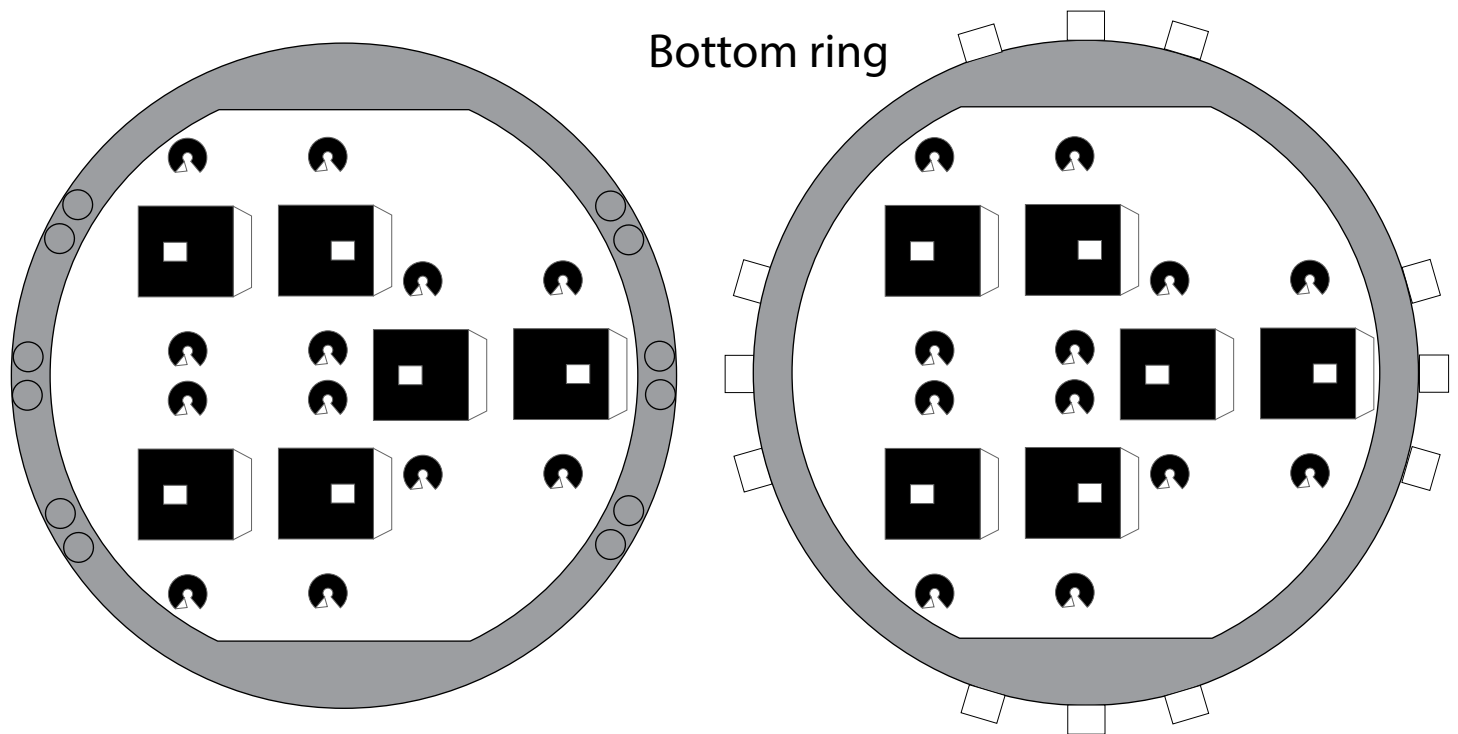
Print on Cardstock ( 110 lbs)

1:100 Scale

## Top ring



## Bottom ring



COPV pair  
top and bottom supports



1 cm

1 inch

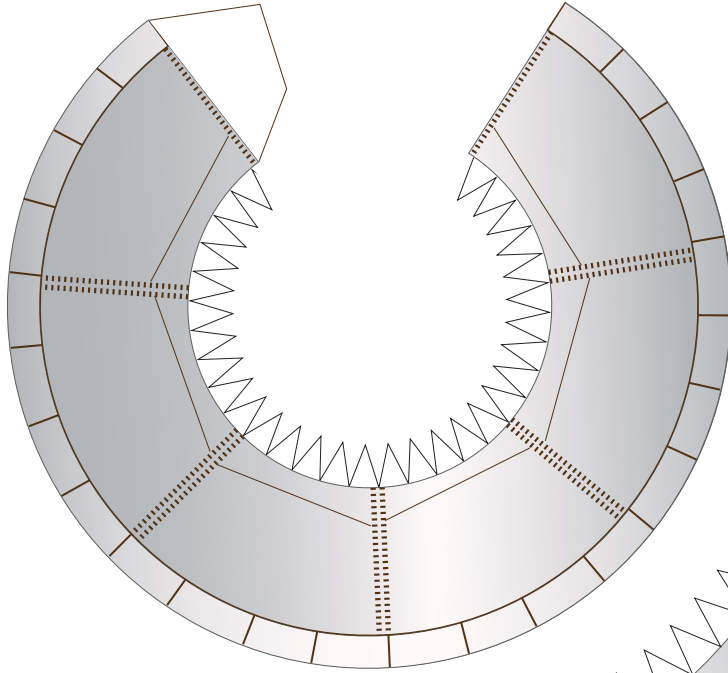
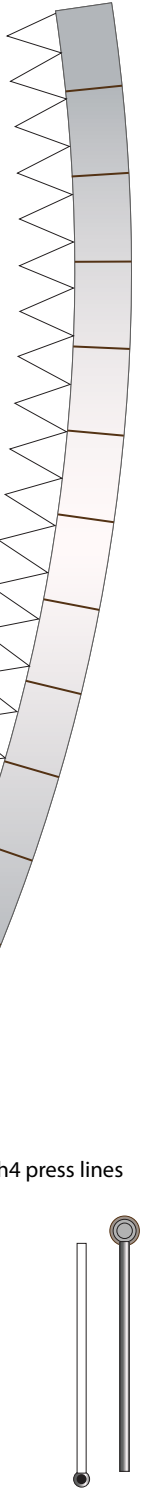
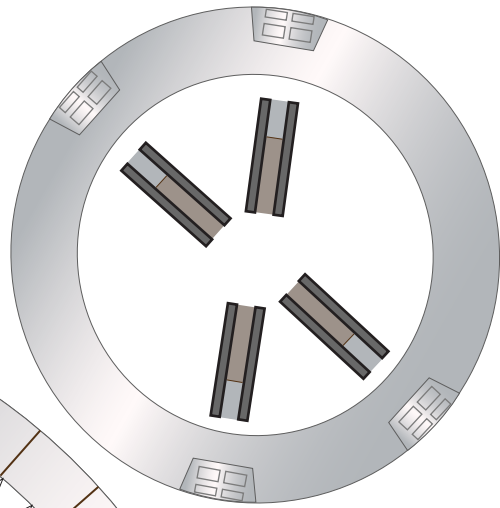
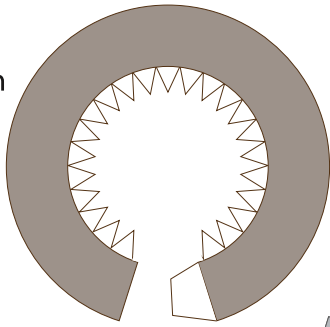
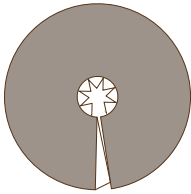
1:100 Scale

cut

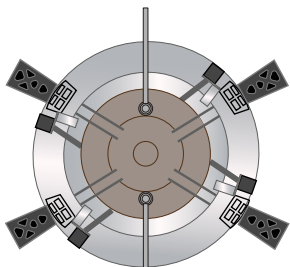
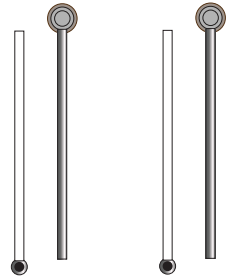
# SuperHeavy B9 Upper Dome

Print on Cardstock (110 lbs)

UPDATE

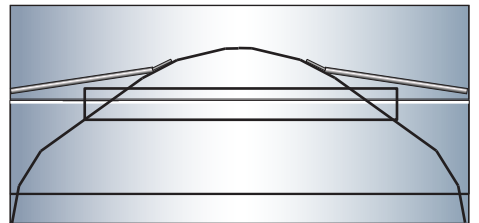


Ch4 press lines



Diagram

Diagram





1 cm

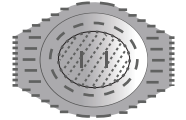
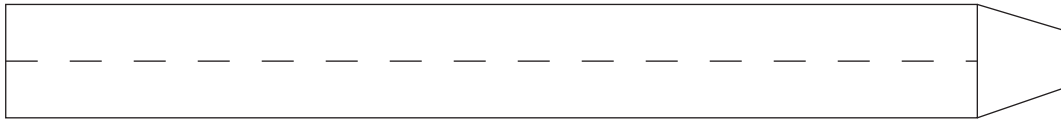
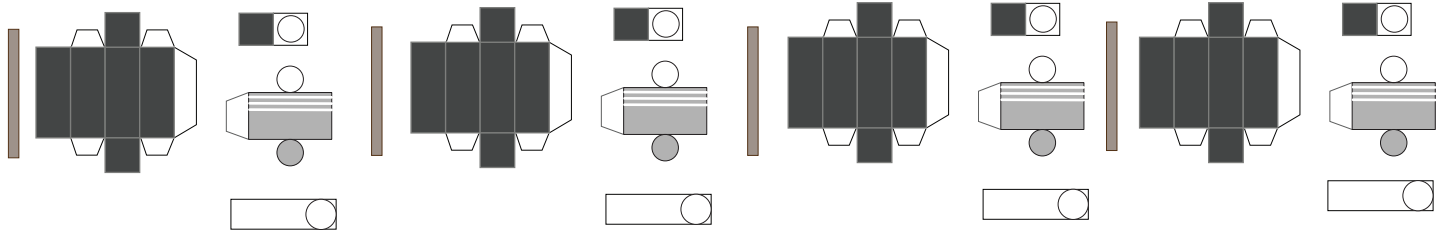
# SpaceX Starship B9

Print on Cardstock (110 lbs)

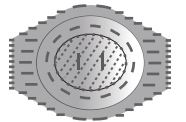
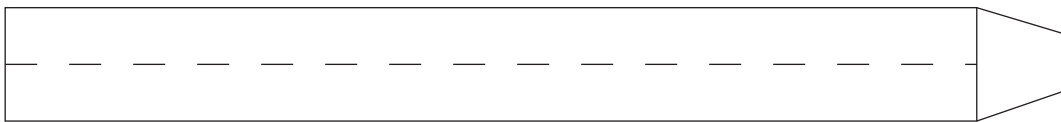
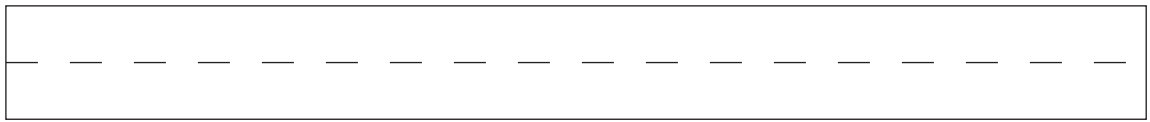
Grid Fins servo motors and Connectors for each body segment

1 inch

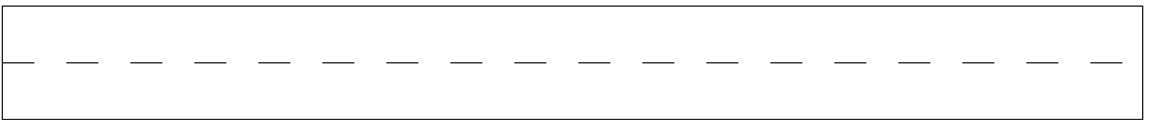
1:100 Scale



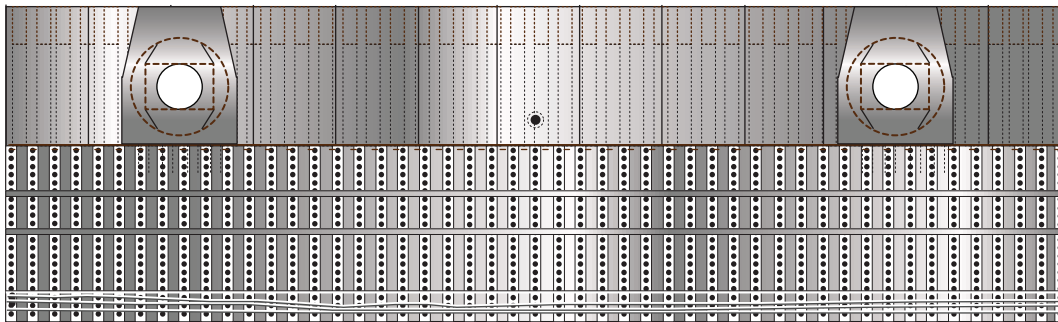
top/middle



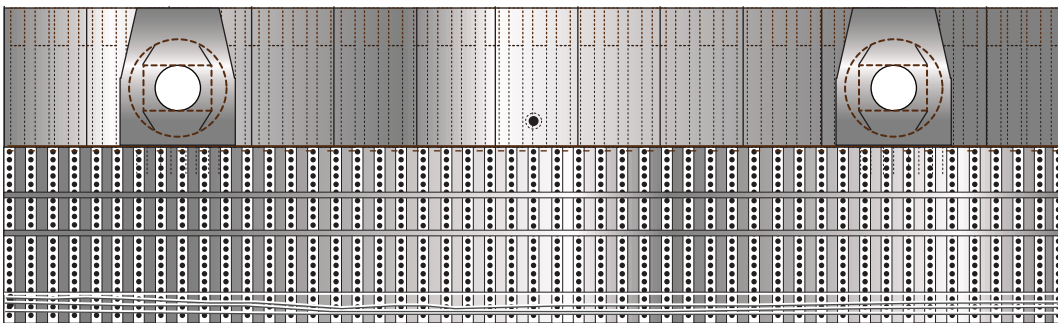
middle/bottom



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



Interior wall  
for upper dome  
section







1 cm

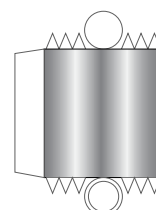
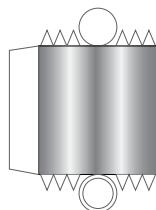
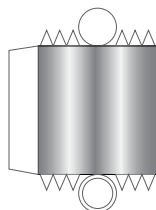
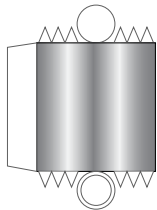
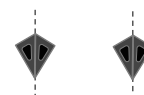
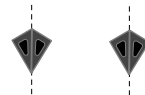
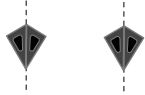
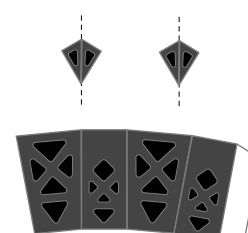
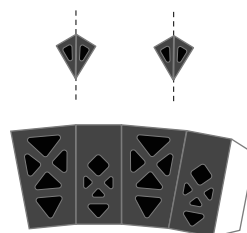
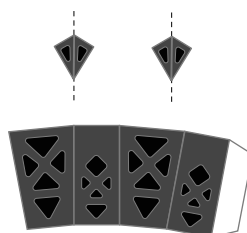
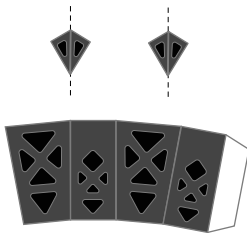
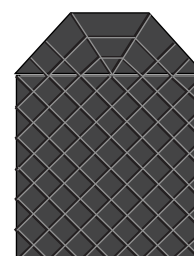
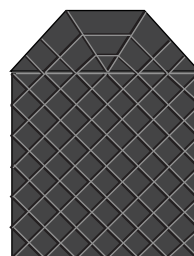
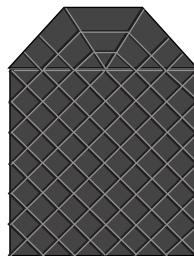
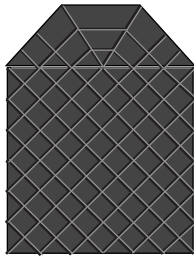
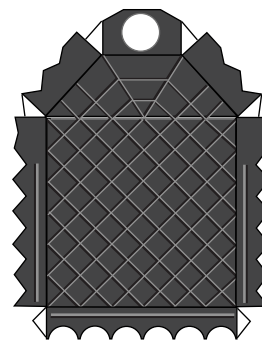
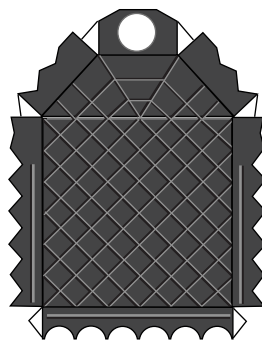
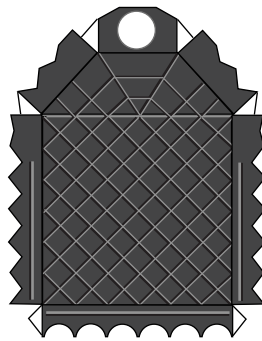
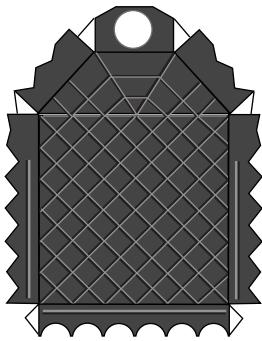
1 inch

1:100 Scale

# SuperHeavy B9 Grid Fins

Print on Cardstock ( 110 lbs)

## Simple version





1 cm

1 inch

1:100 Scale

# B9 Grid Fins

## Back Print

Print on Cardstock ( 110 lbs)





1 cm

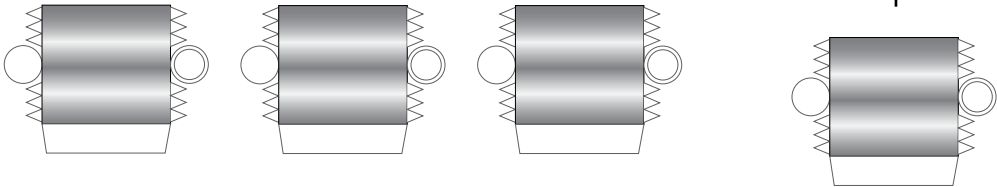
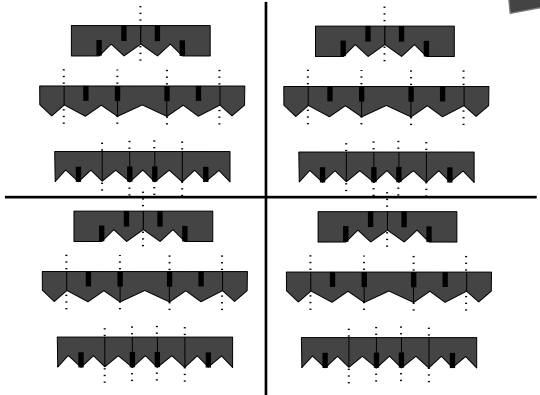
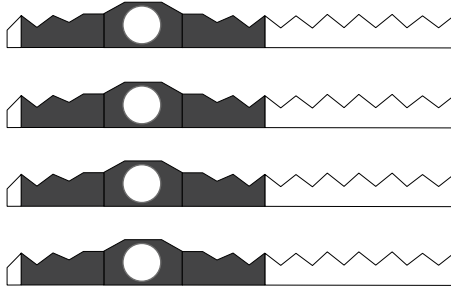
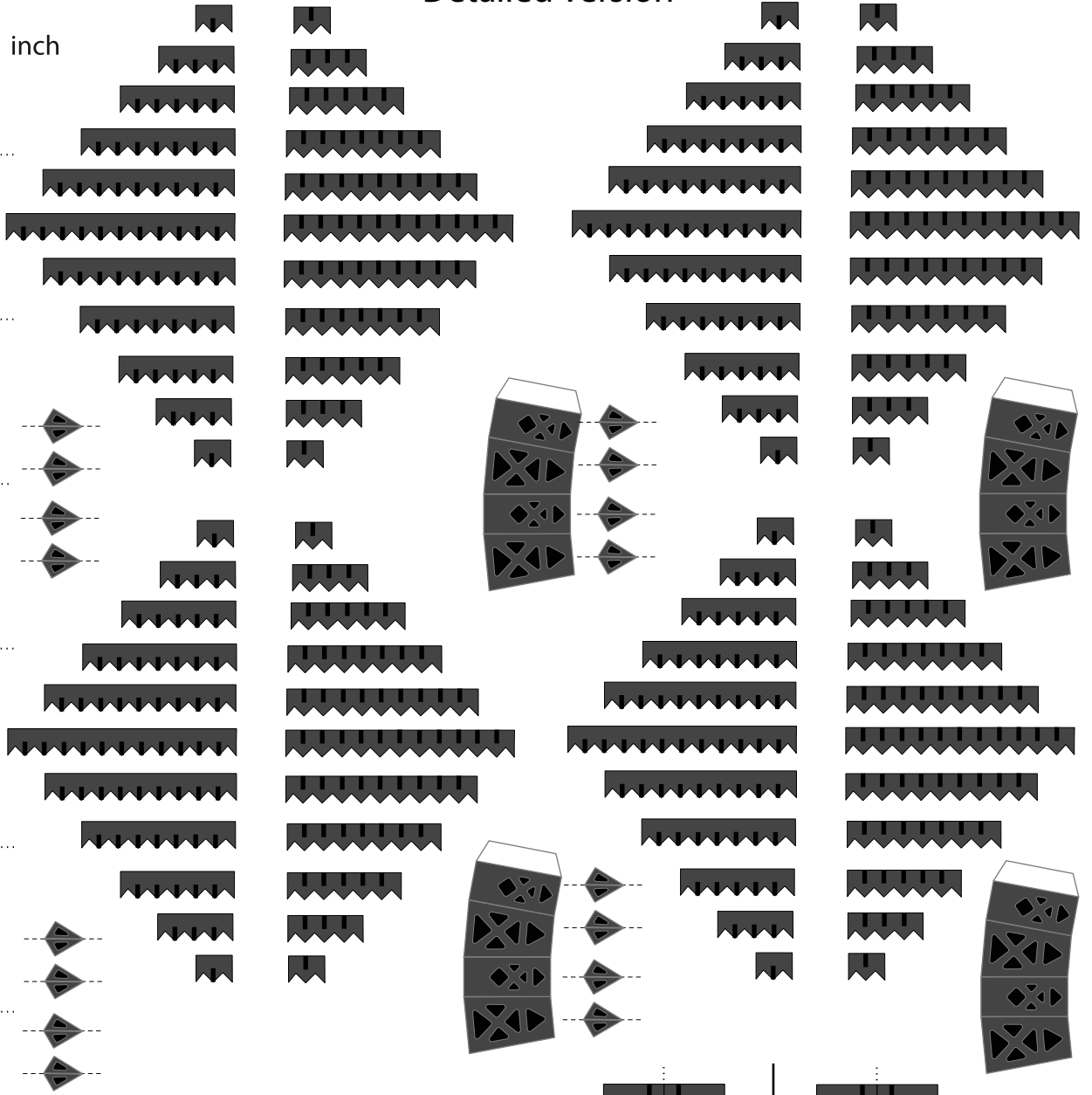
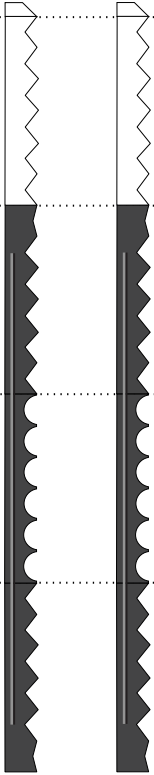
1 inch

1:100 Scale

# SuperHeavy B9 Grid Fins

Print on Cardstock ( 110 lbs)

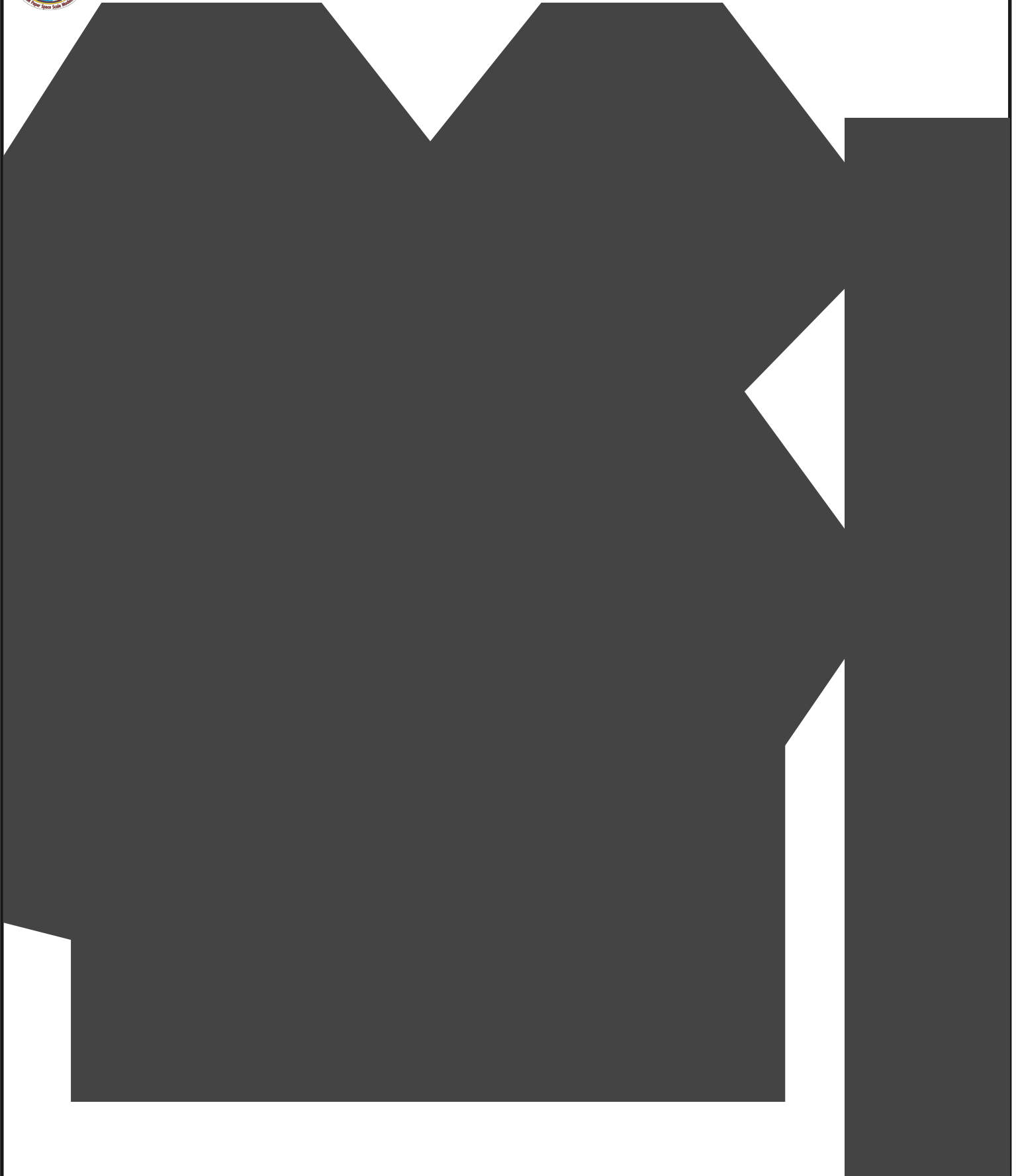
## Detailed version





# B9 Grid Fins back print

Print on Cardstock ( 110 lbs)





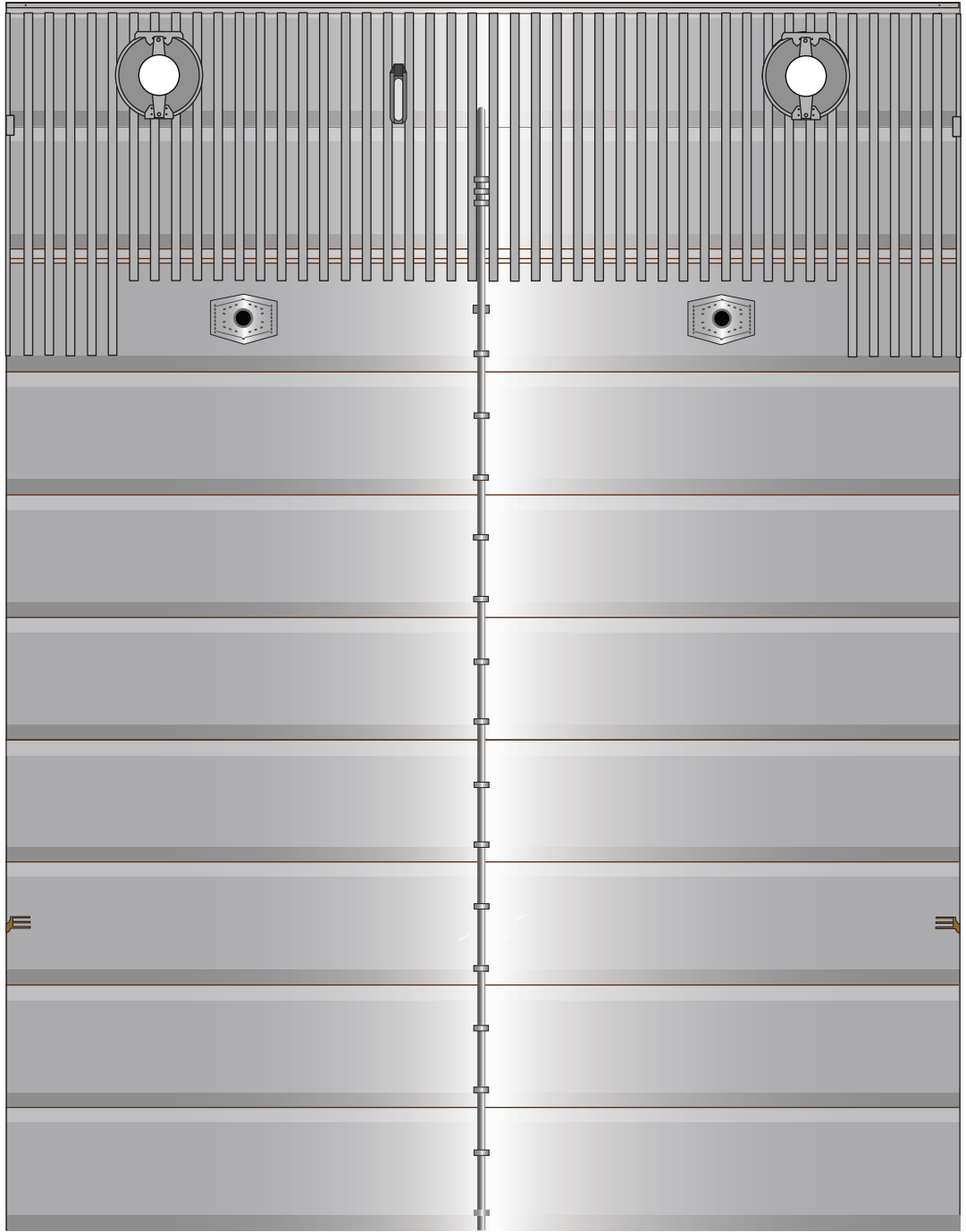
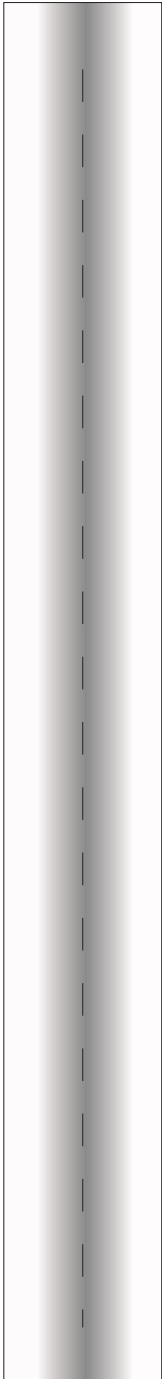
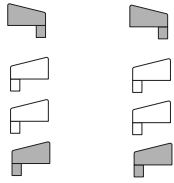
1:100 Scale



# Booster 9

Print on Cardstock (110 lbs)

Belly side top





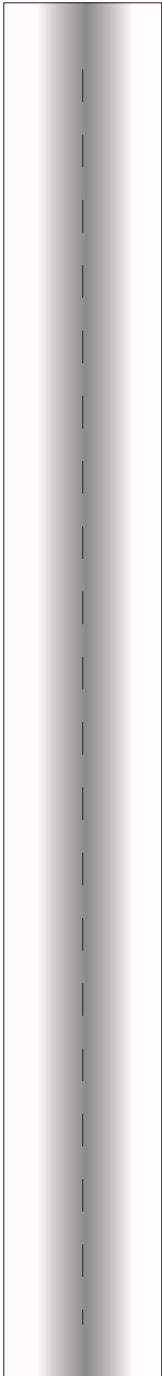
1:100 Scale



# Booster 9

Print on Cardstock (110 lbs)

Back side top



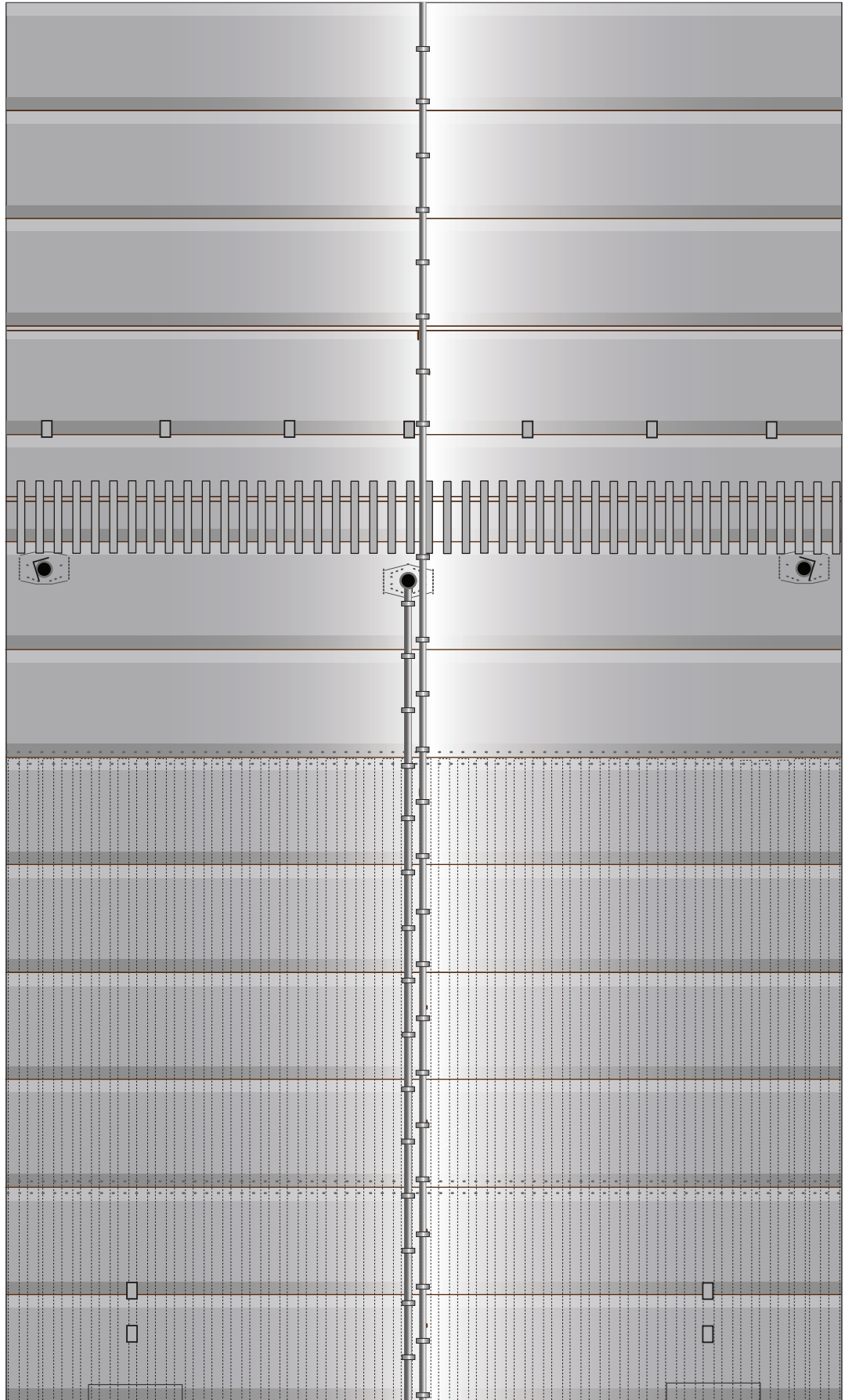
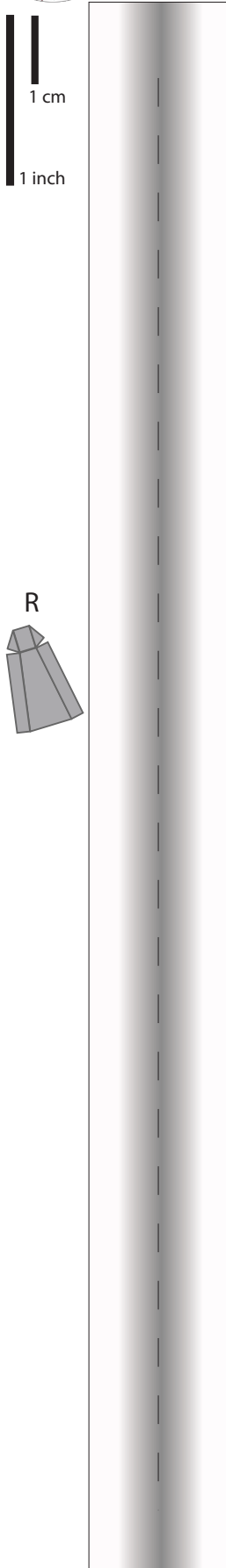


1:100 Scale

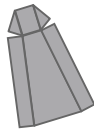
# Booster 9

Print on Cardstock (110 lbs)

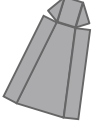
Belly side middle



R



L

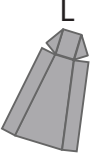
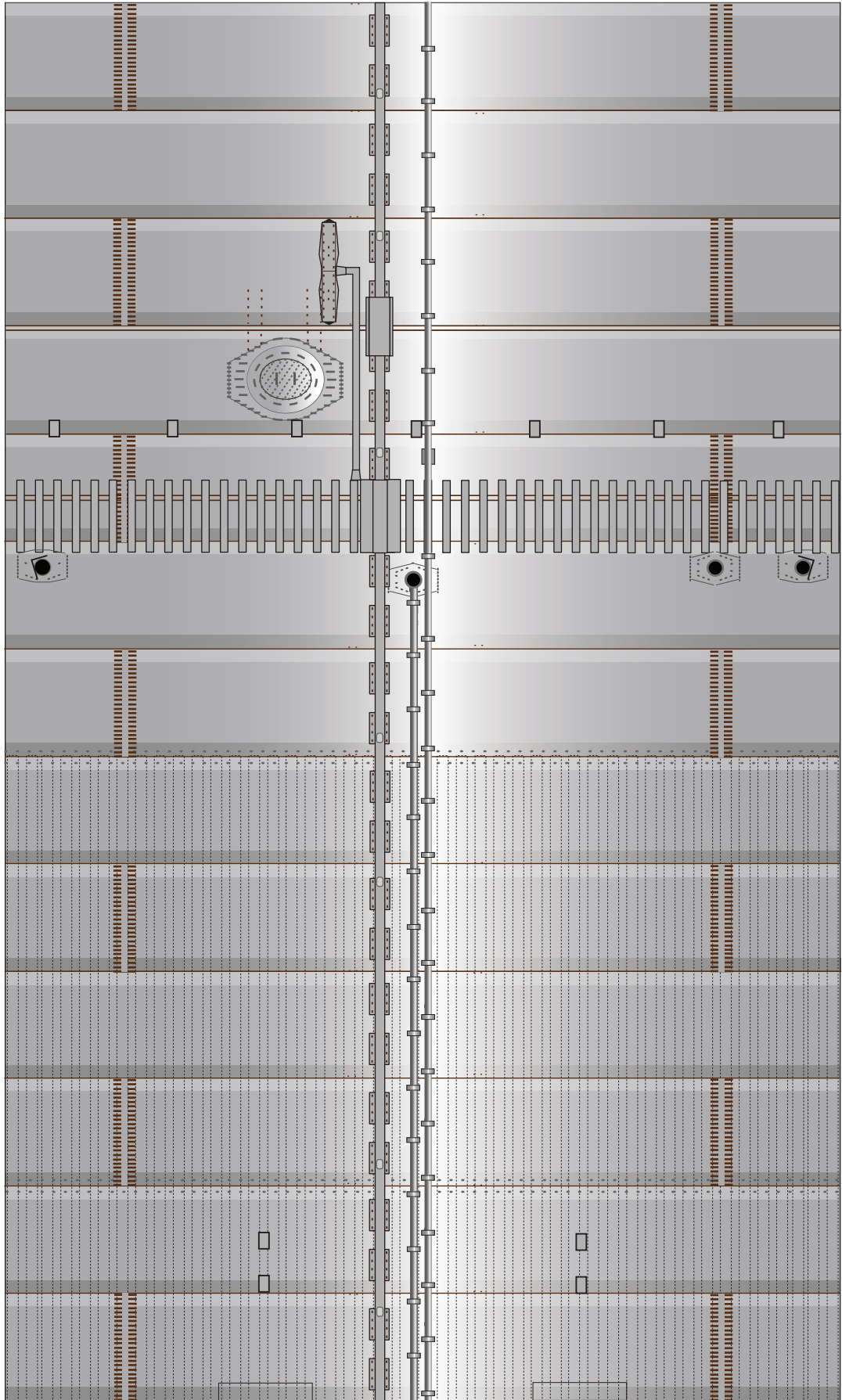
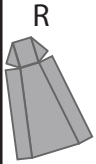




1:100 Scale

# Booster 9

Print on Cardstock (110 lbs)  
Back side middle





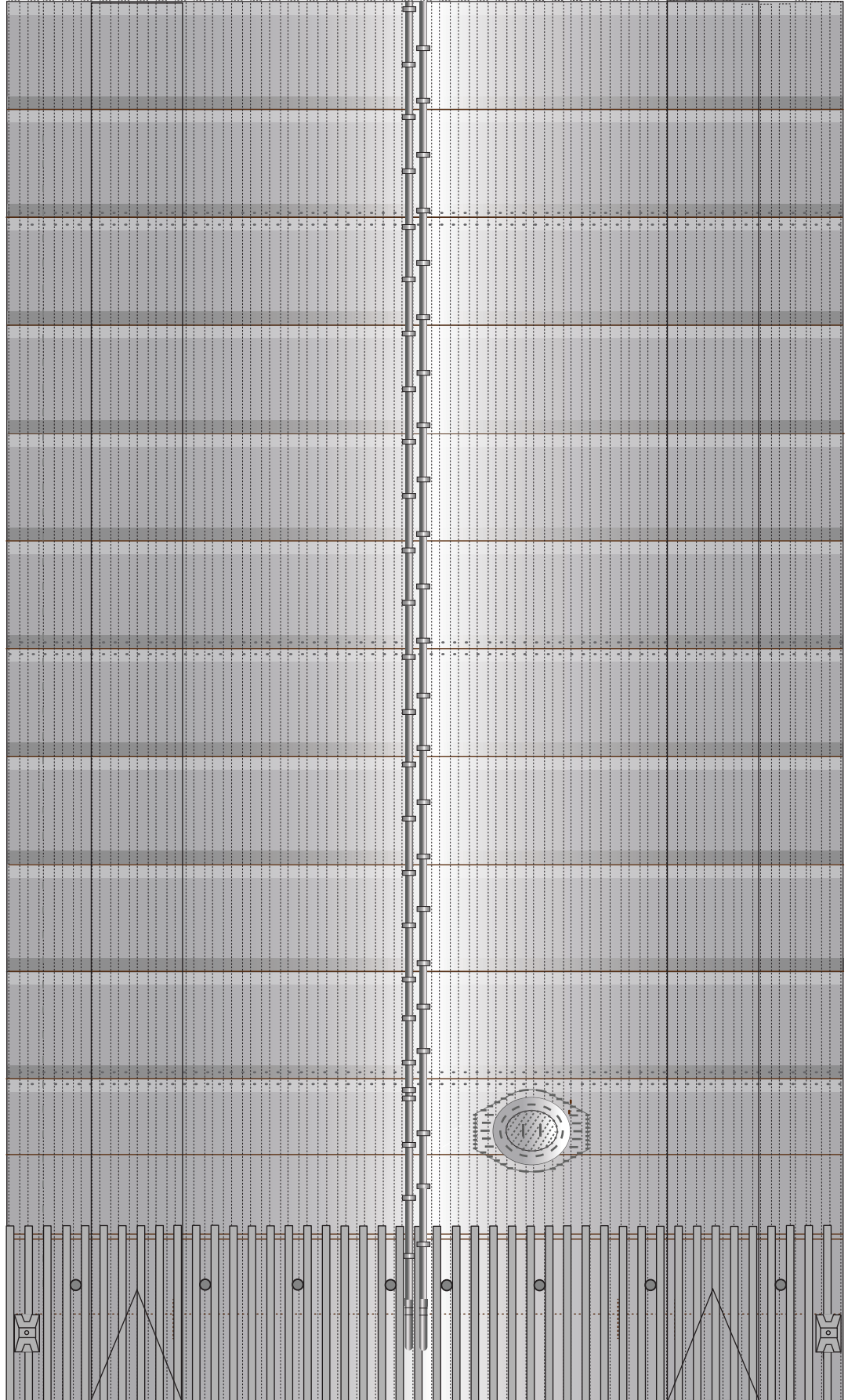
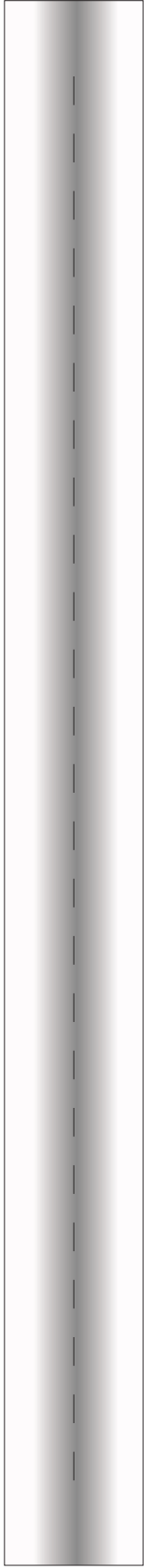


1:100 Scale

# Booster 9

Print on Cardstock (110 lbs)

Belly side bottom

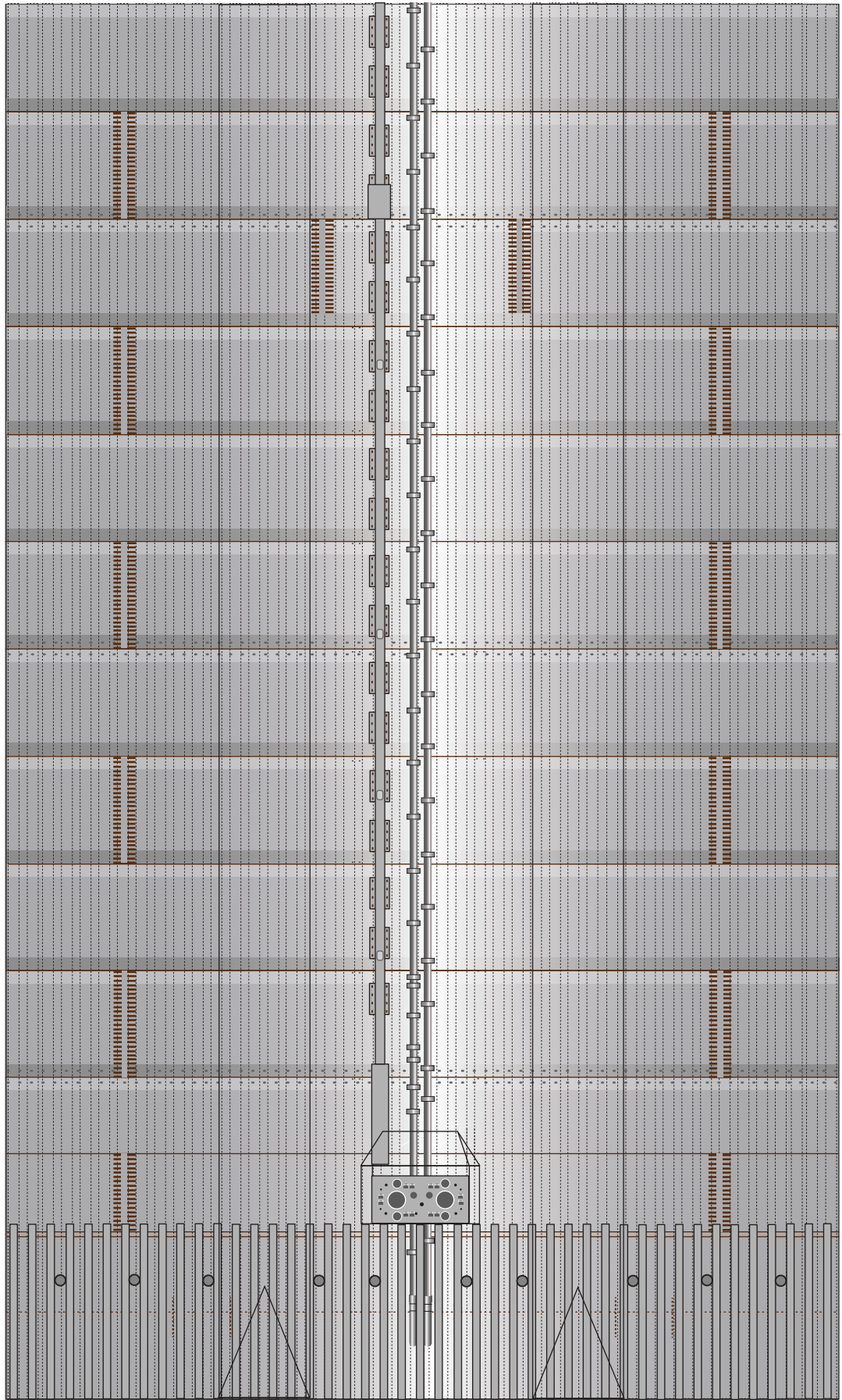
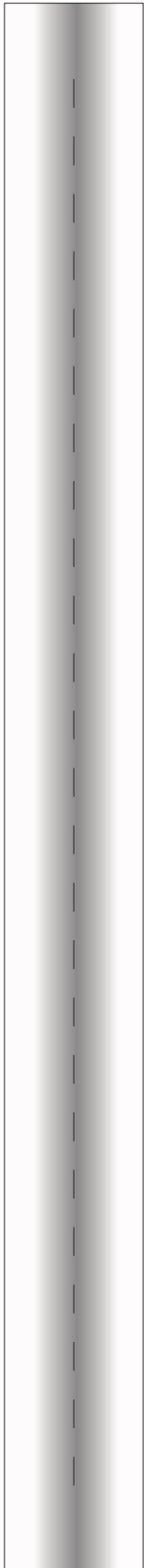




1:100 Scale

# Booster 9

Print on Cardstock (110 lbs)  
Back side bottom





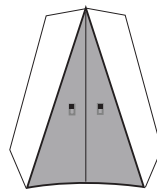
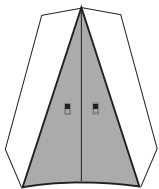
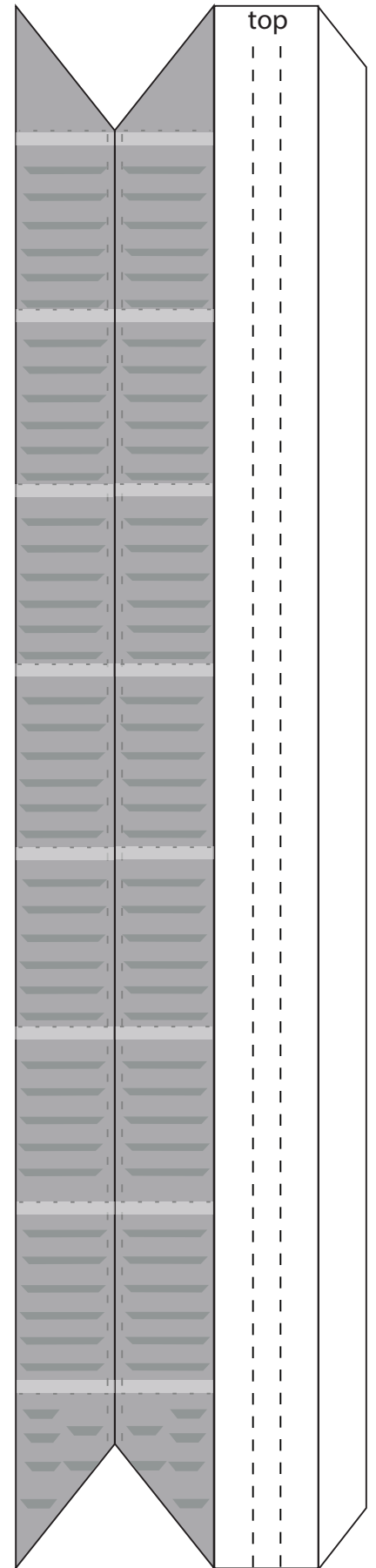
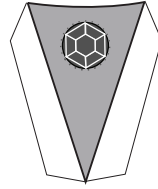
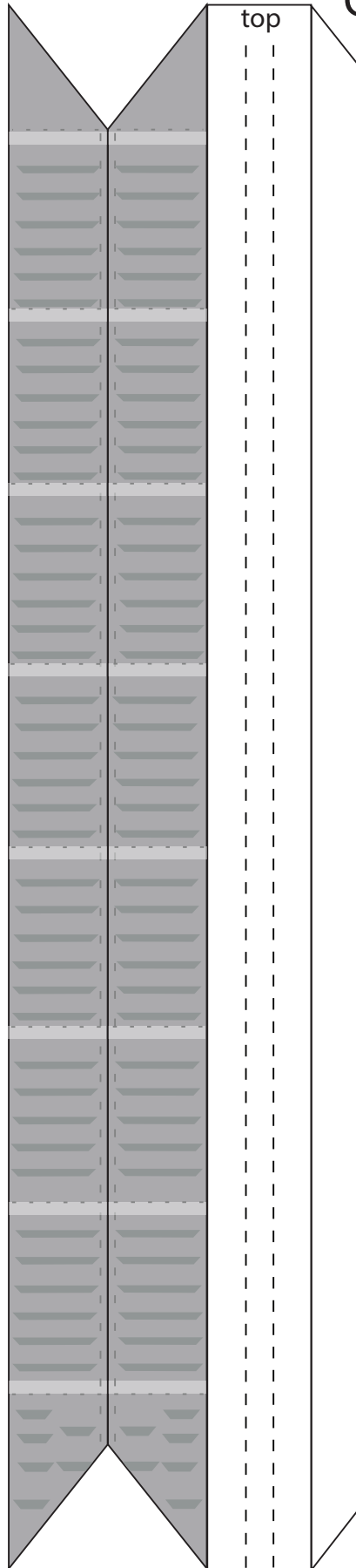
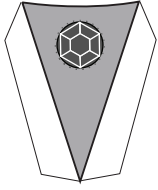
1:100 Scale



# SpaceX Heavy booster 9

## COPV covers

Print on cardstock (110 lbs)





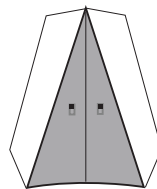
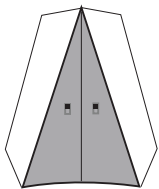
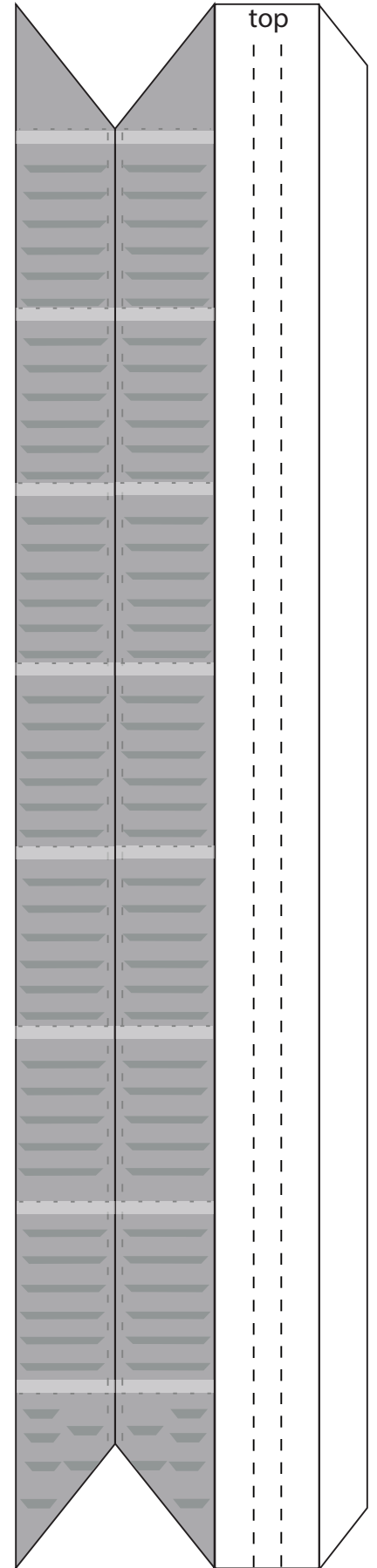
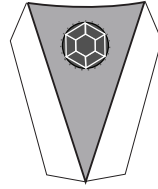
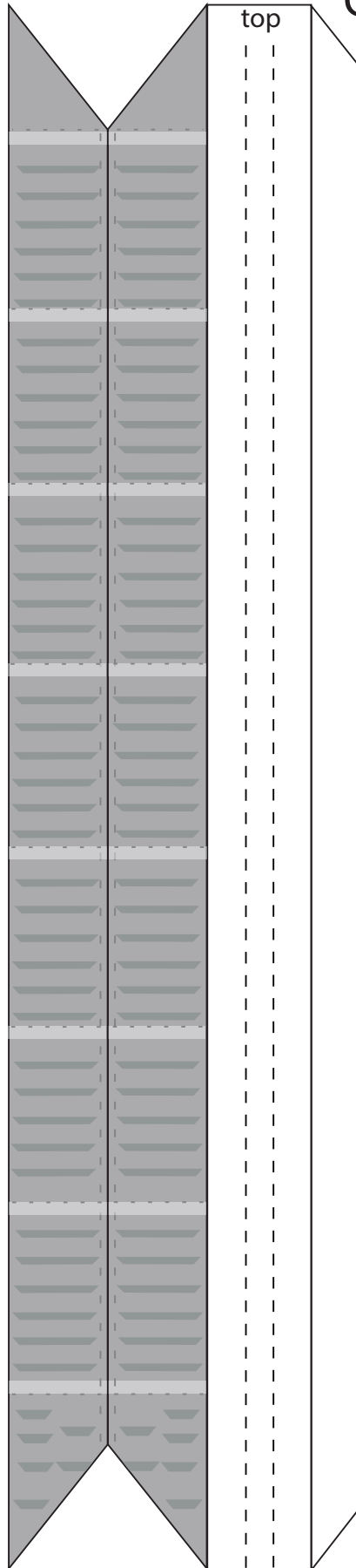
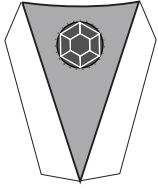
1:100 Scale



# SpaceX Heavy booster 9

## COPV covers

Print on cardstock (110 lbs)





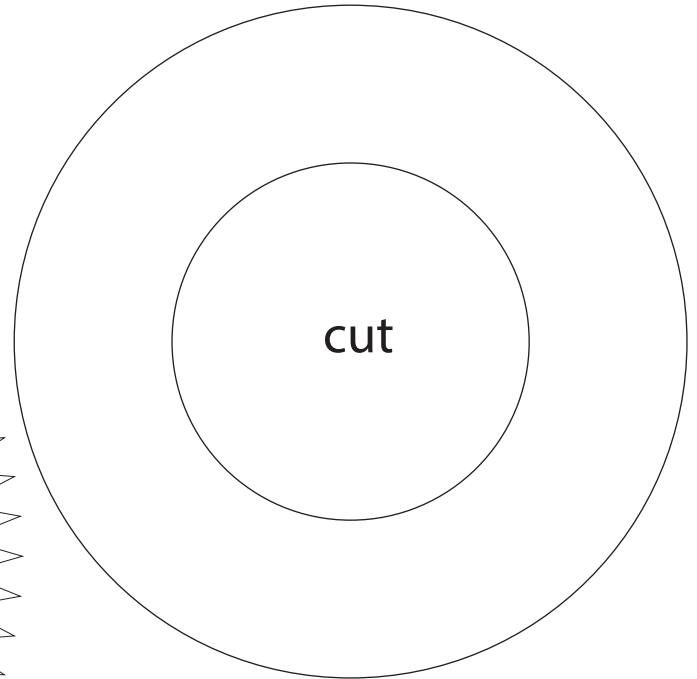
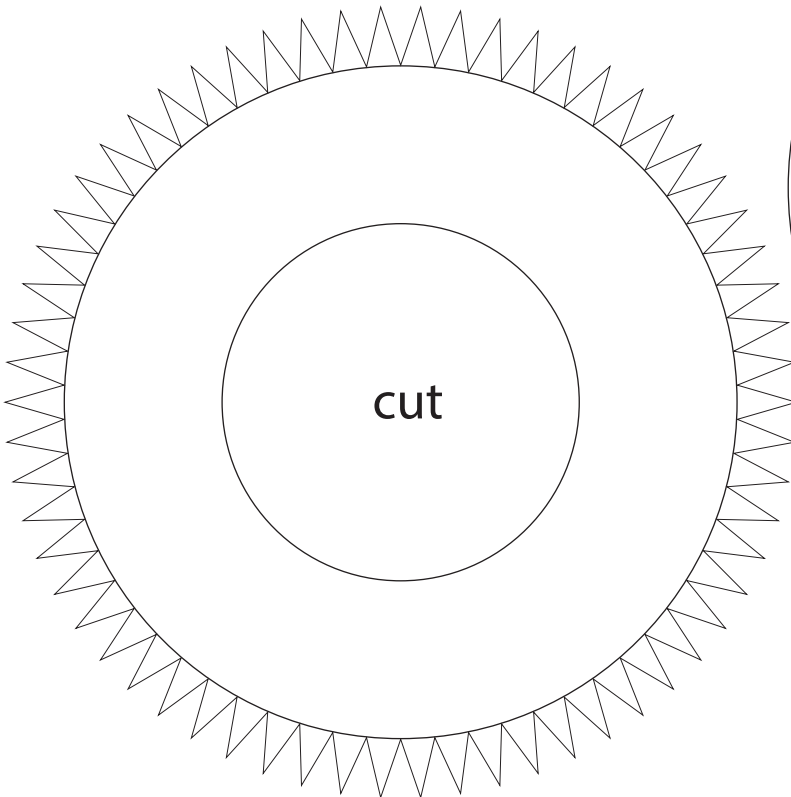
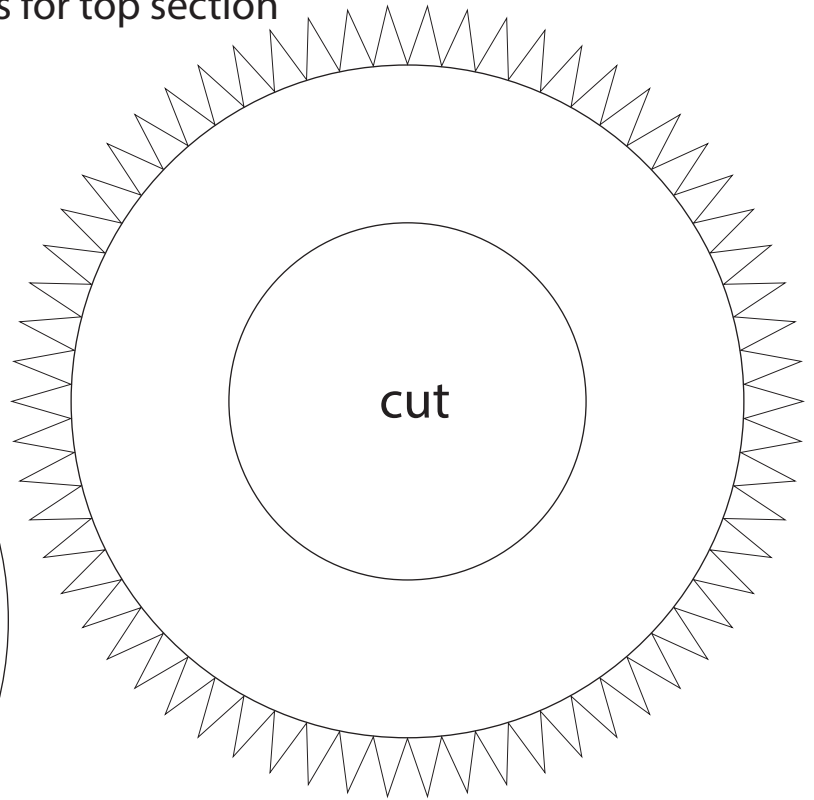
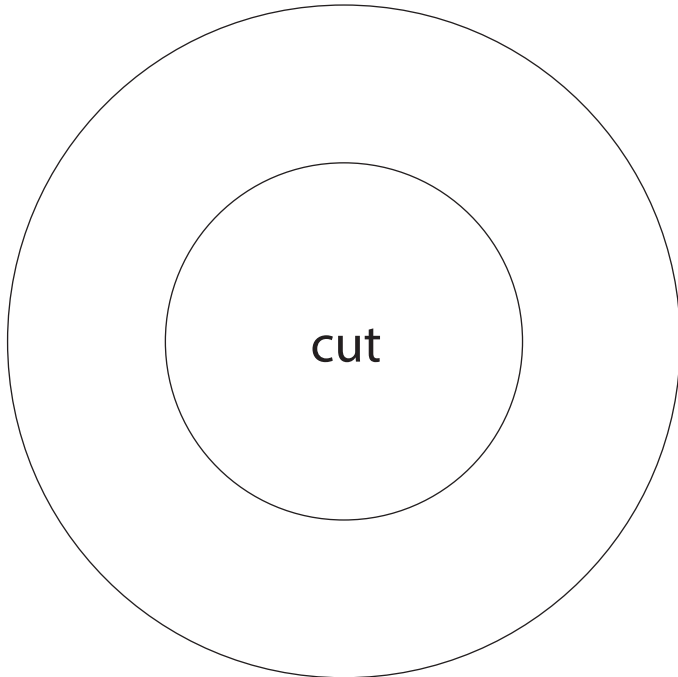
1:100 Scale



# 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.



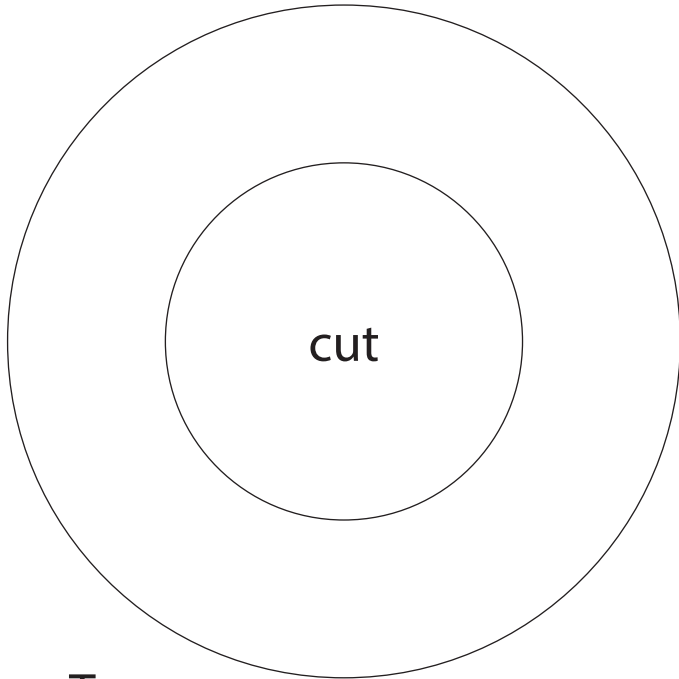
1:100 Scale



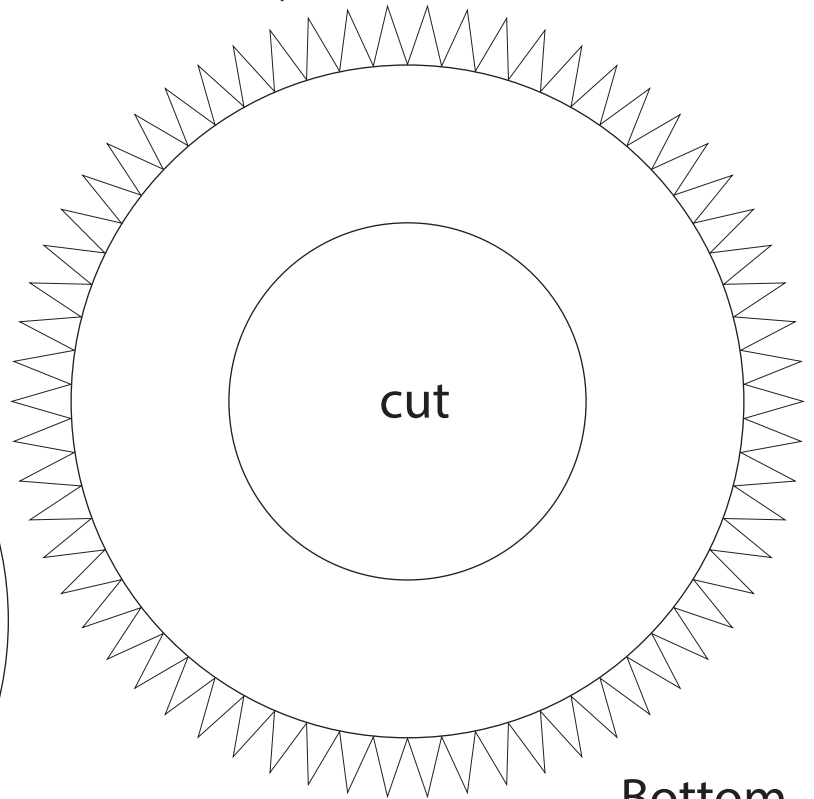
# SpaceX Starship B9

Print on Cardstock (110 lbs)

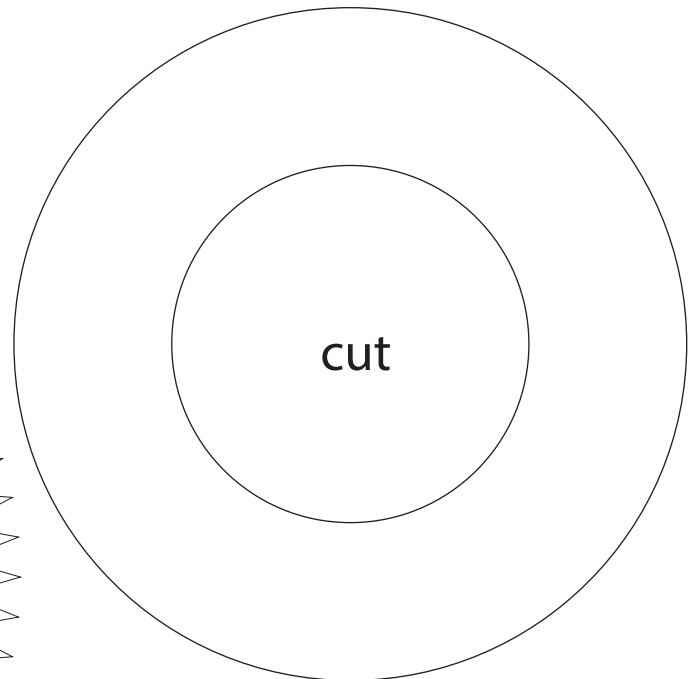
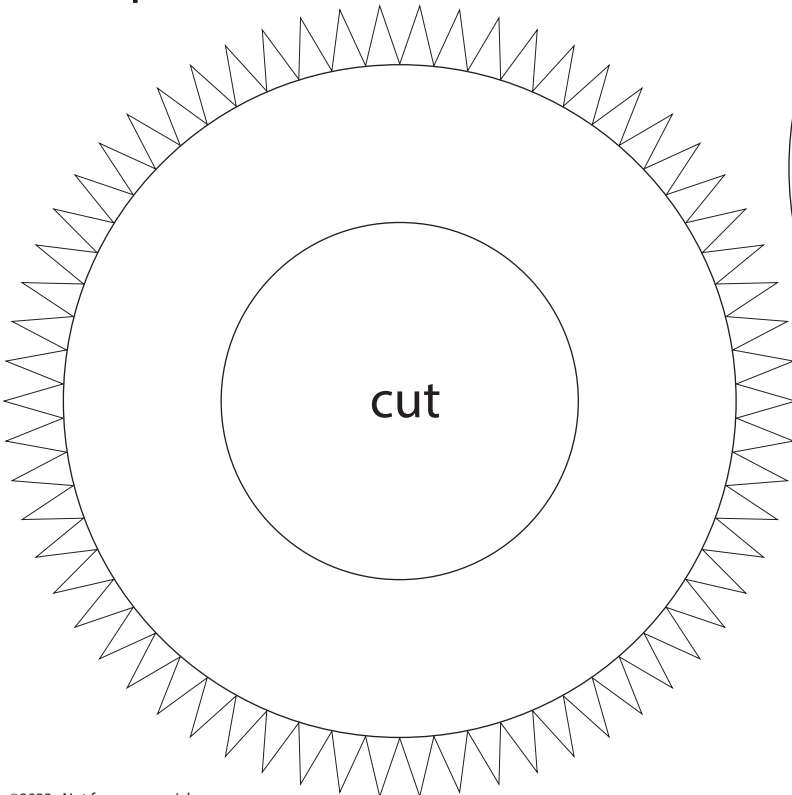
## Formers for middle body



Top



Bottom

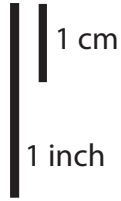


### IMPORTANT

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.



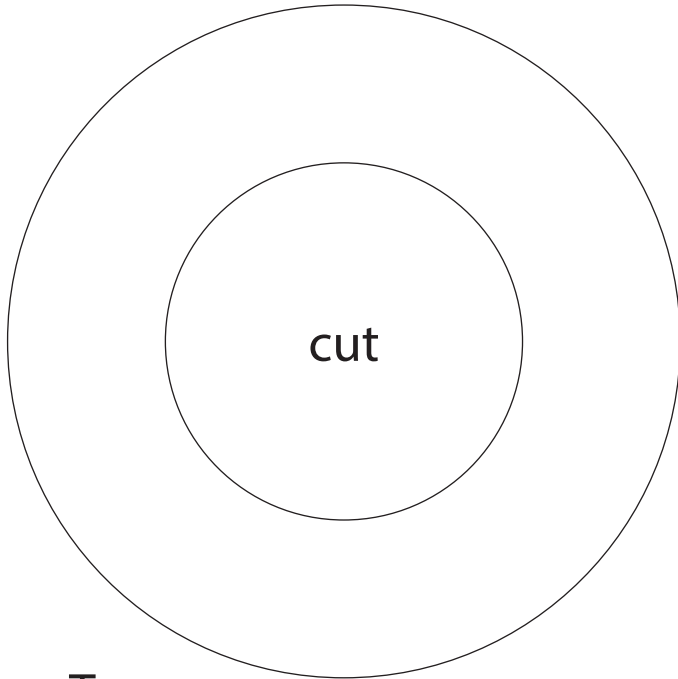
1:100 Scale



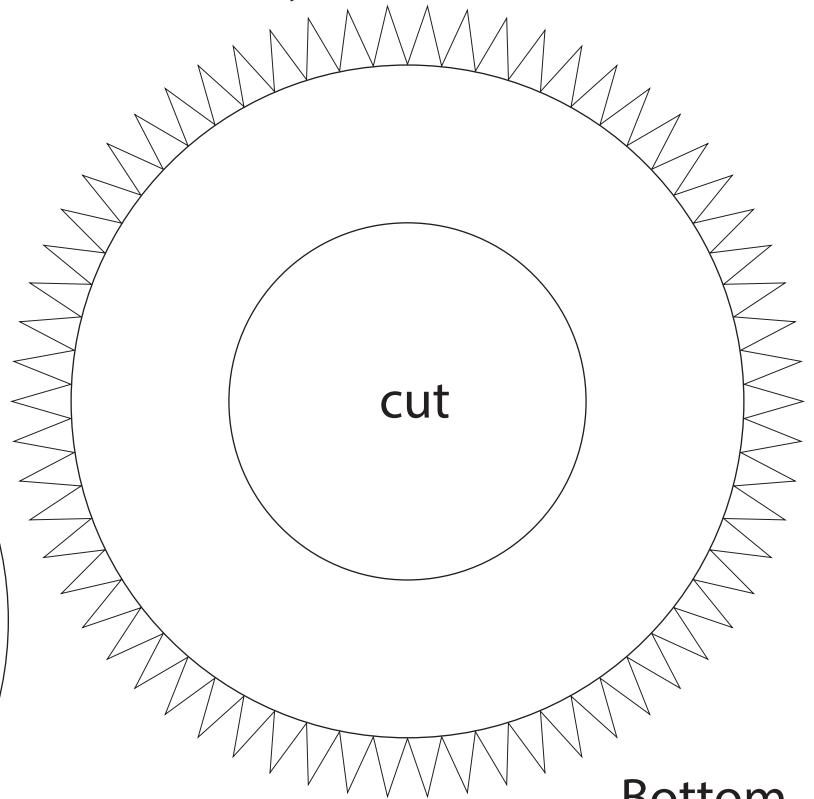
# SpaceX Starship B9

Print on Cardstock (110 lbs)

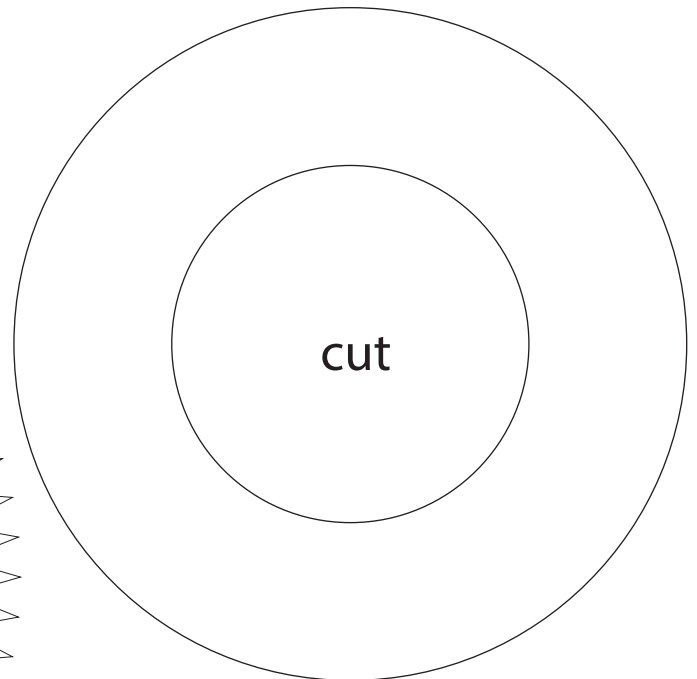
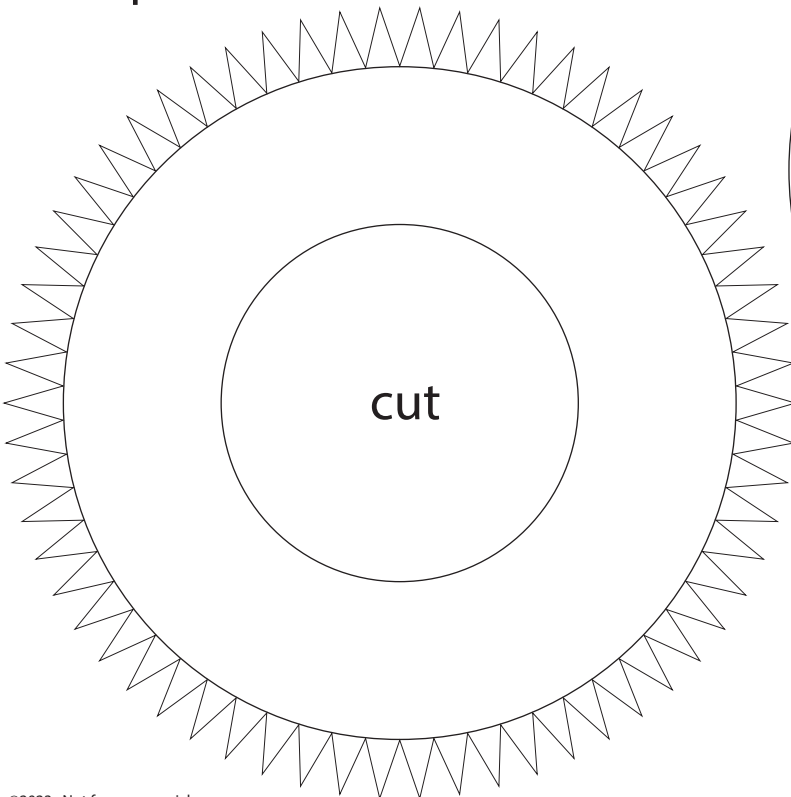
## Formers for bottom body



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

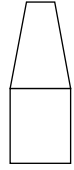
1 inch

1:100 Scale

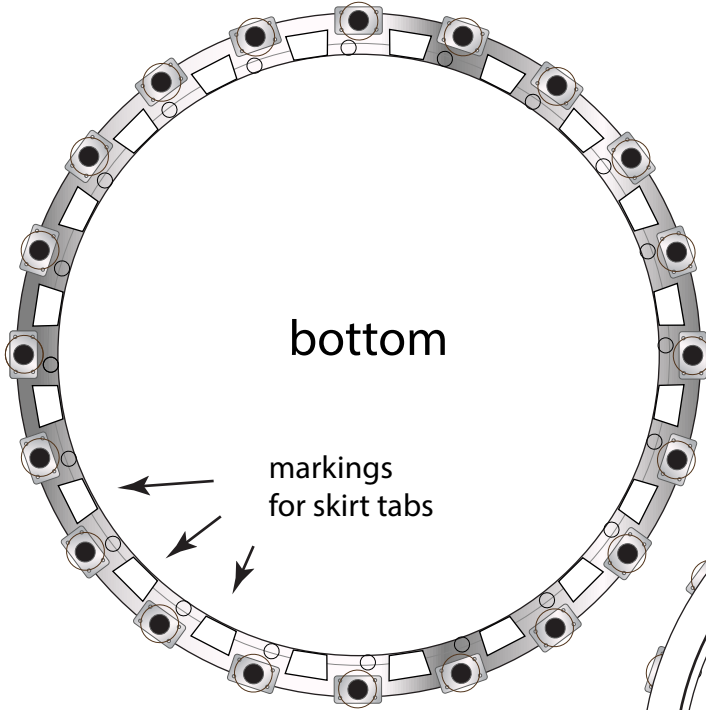
# SpaceX SuperHeavy

Print on Cardstock ( 110 lbs)

Revised

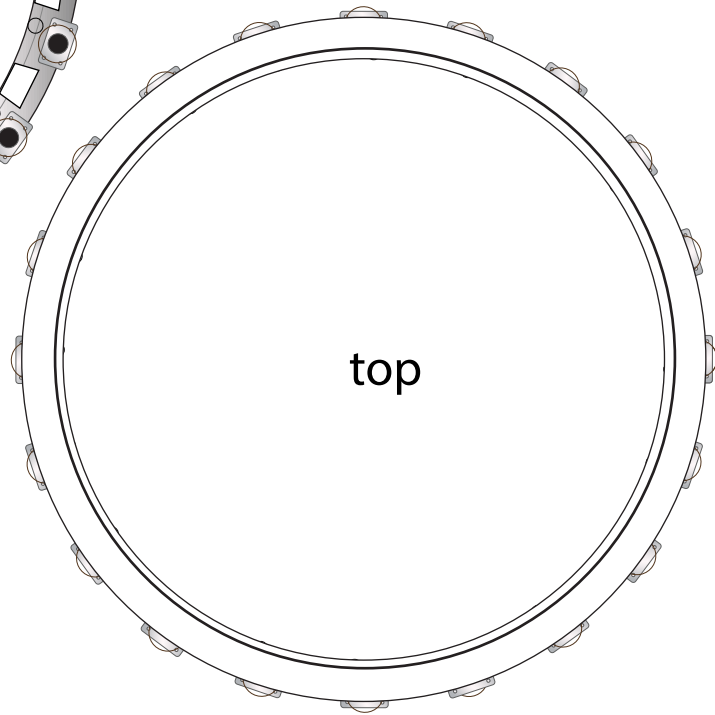


## Outer Raptor ring



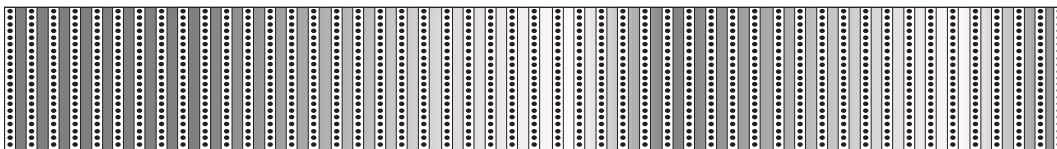
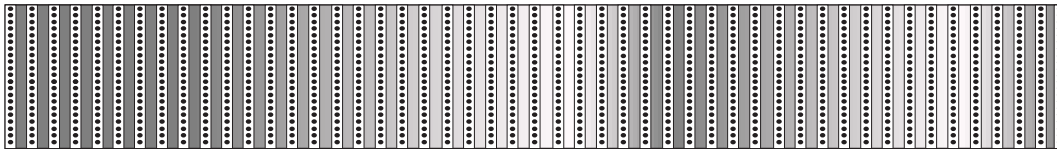
bottom

markings  
for skirt tabs



top

## Engine section interior skin







1 cm

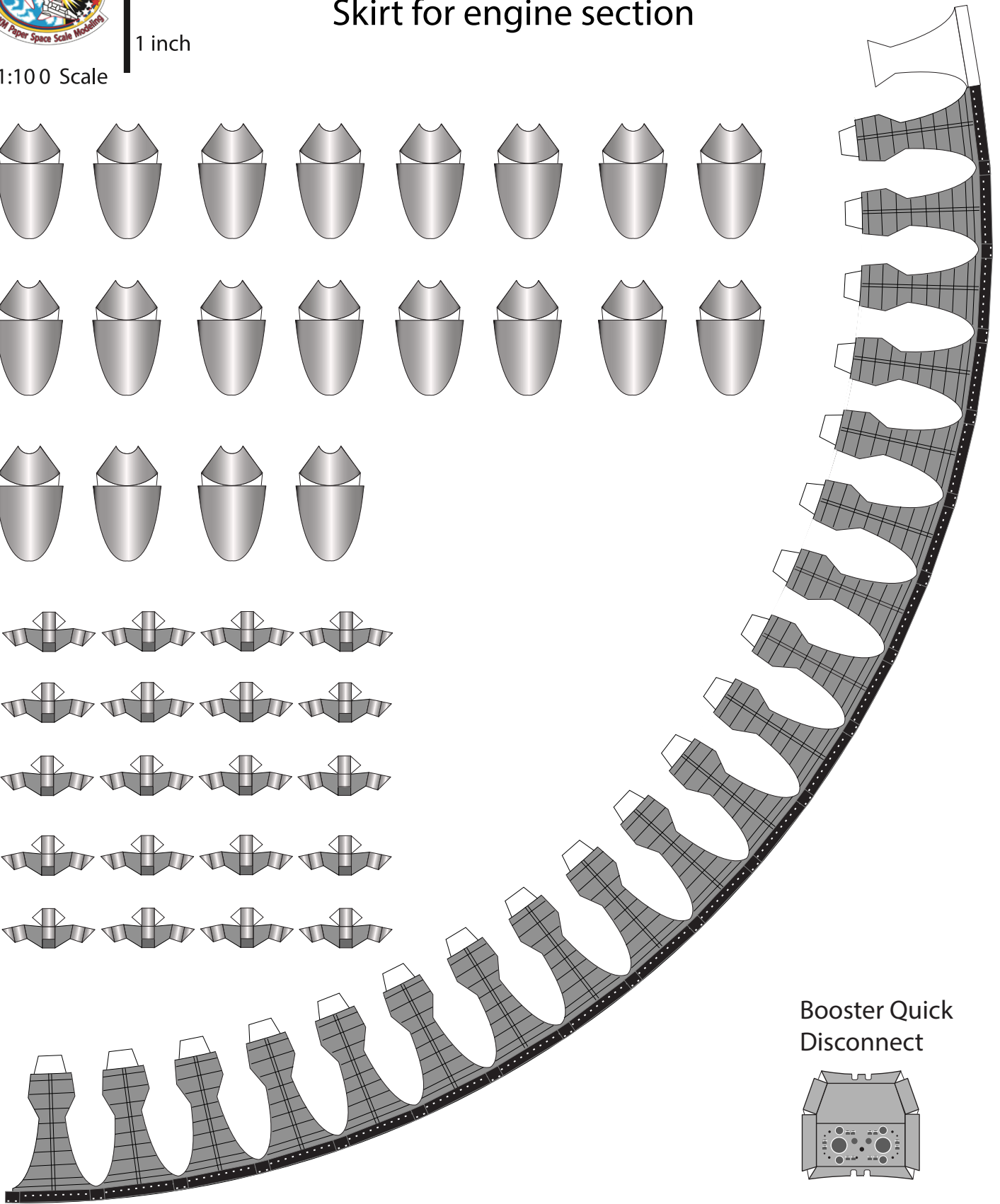
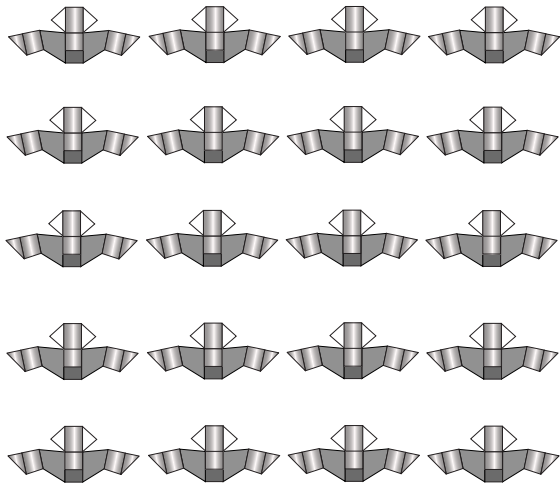
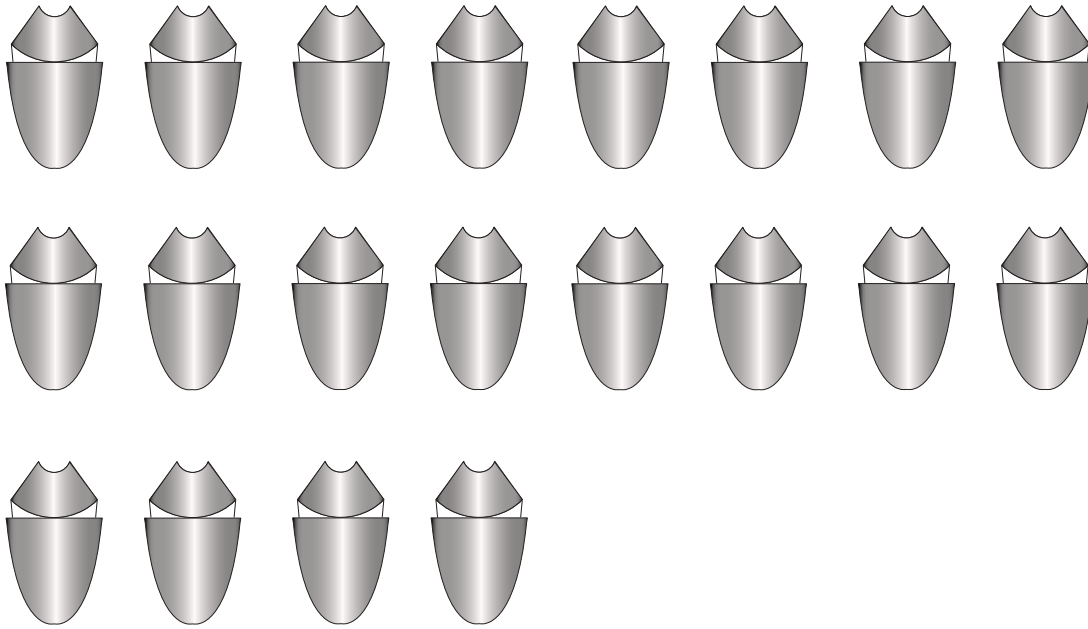
1 inch

1:100 Scale

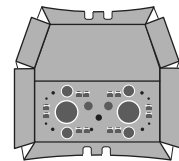
# SpaceX Heavy Booster 9

Print on Cardstock (90 lbs)

## Skirt for engine section



Booster Quick Disconnect





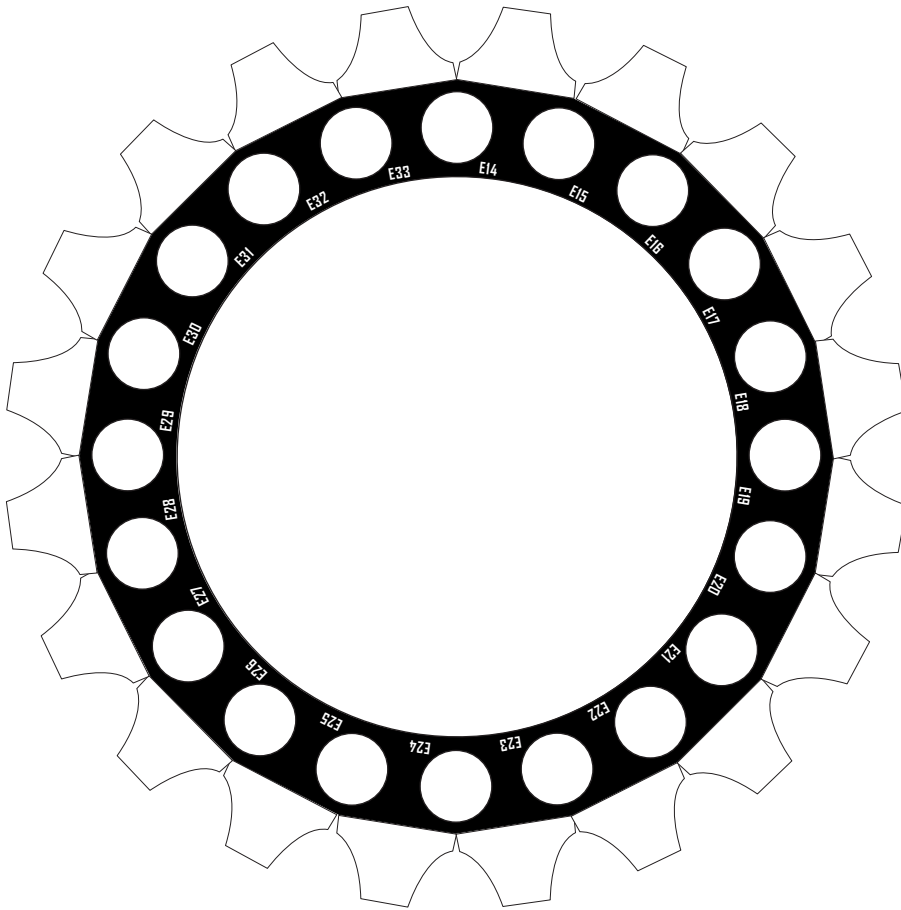
1 cm

1 inch

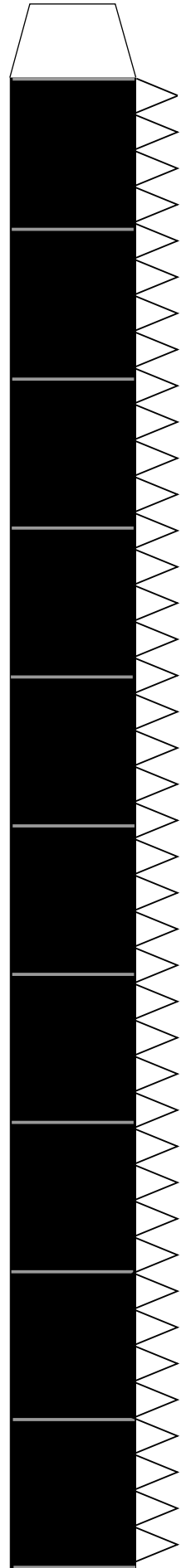
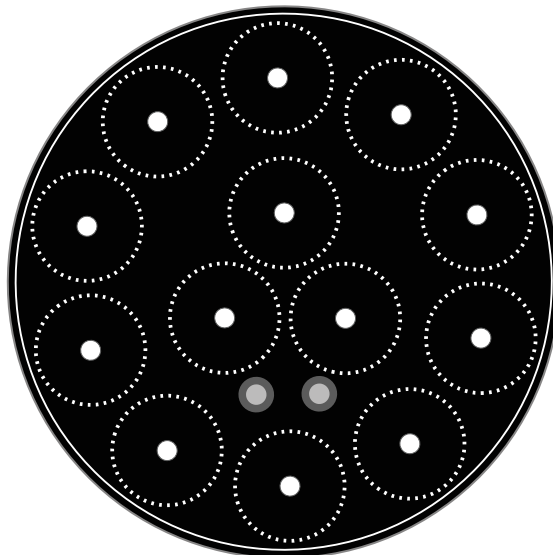
1:100 Scale

# SpaceX Heavy Booster 9

## Skirt floor and wall



Glue Raptor base



Print on Cardstock (90 lbs)



1 cm

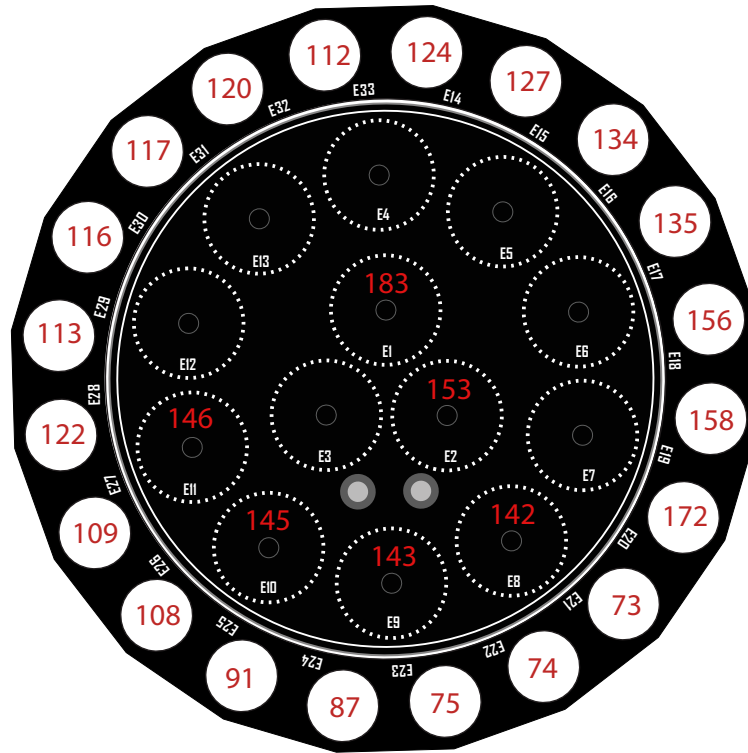
1 inch

1:100 Scale

# SpaceX Heavy Booster 9

## Raptor location

Umbilical side



Reference data from Nick (Ring Watchers)



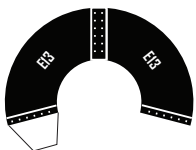
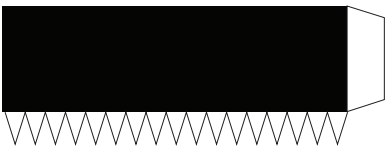
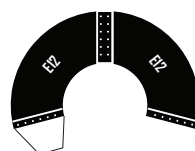
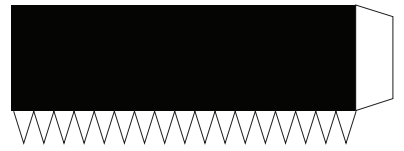
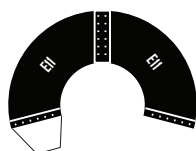
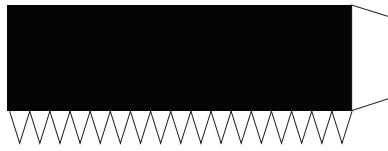
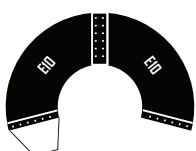
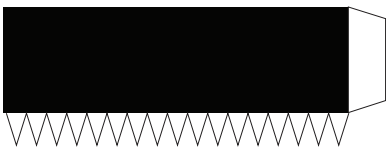
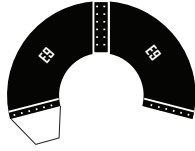
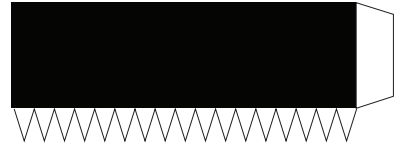
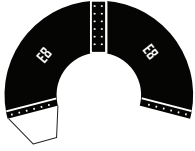
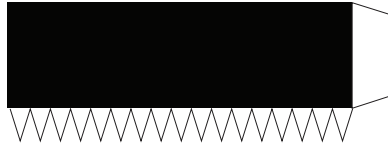
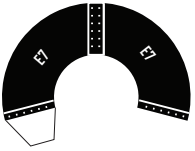
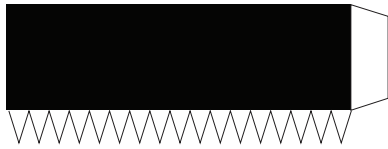
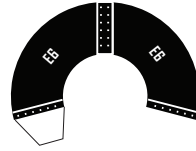
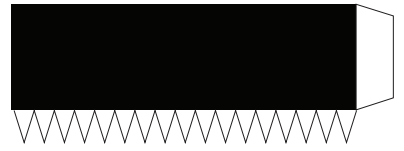
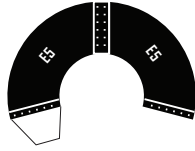
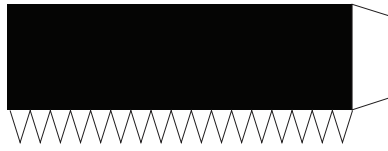
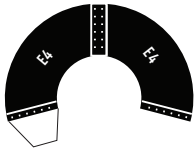
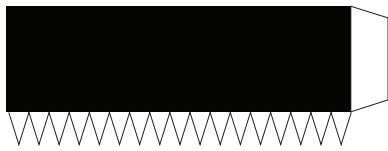
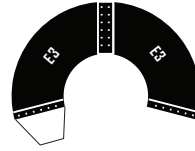
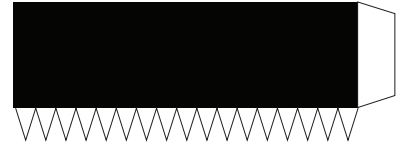
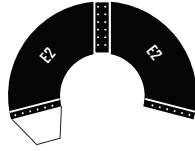
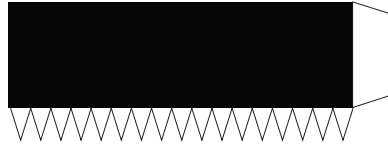
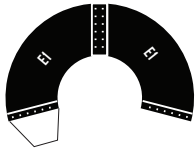
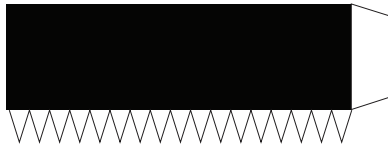
1 cm

1 inch

1:100 Scale

# B9 inner Raptor covers

Print on cardstock





1 cm

1 inch

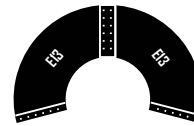
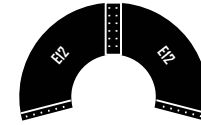
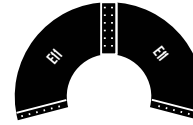
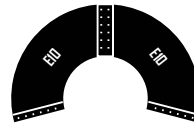
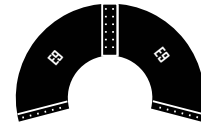
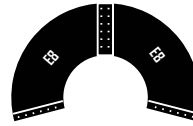
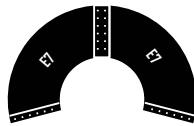
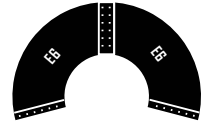
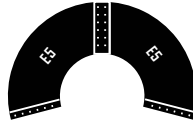
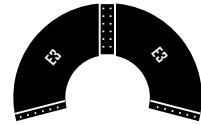
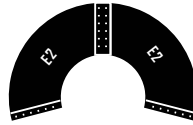
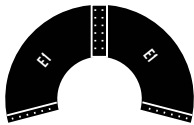
1:100 Scale

# 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)

