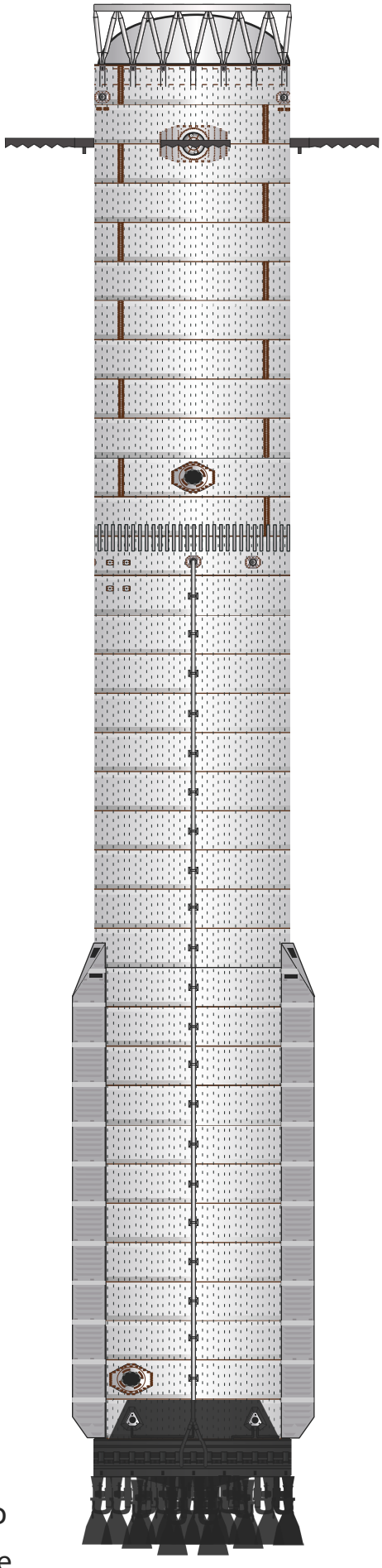
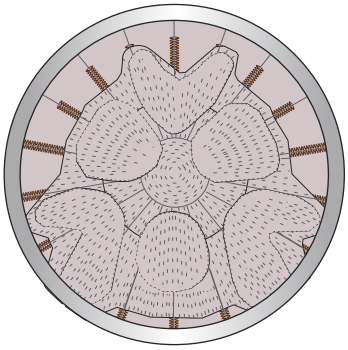
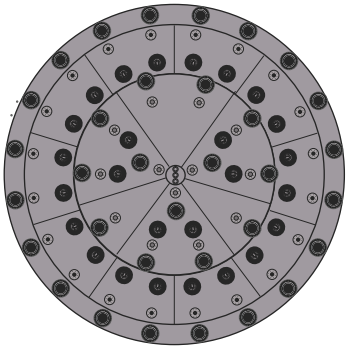
B20

1:100 Scale







Designed by Alfonso X Moreno

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Booster V3

Print on Cardstock (110 lbs)

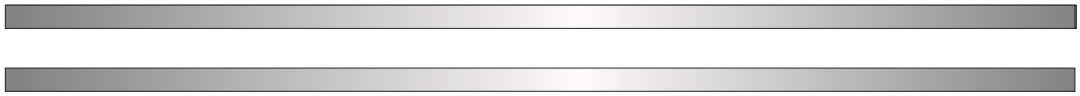
Booster V3 HSR

1 cm

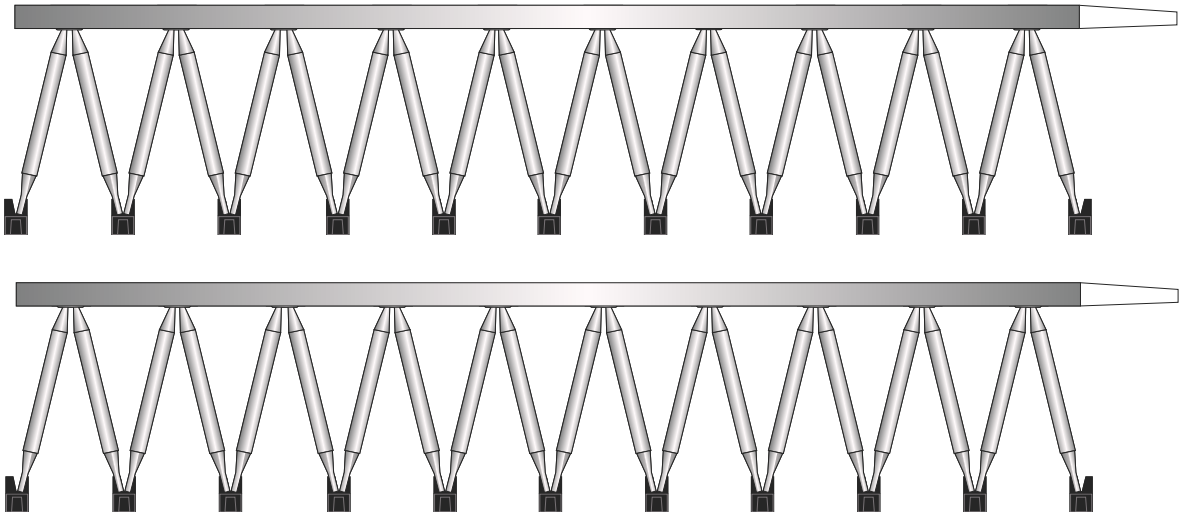
1 inch

1:100 Scale

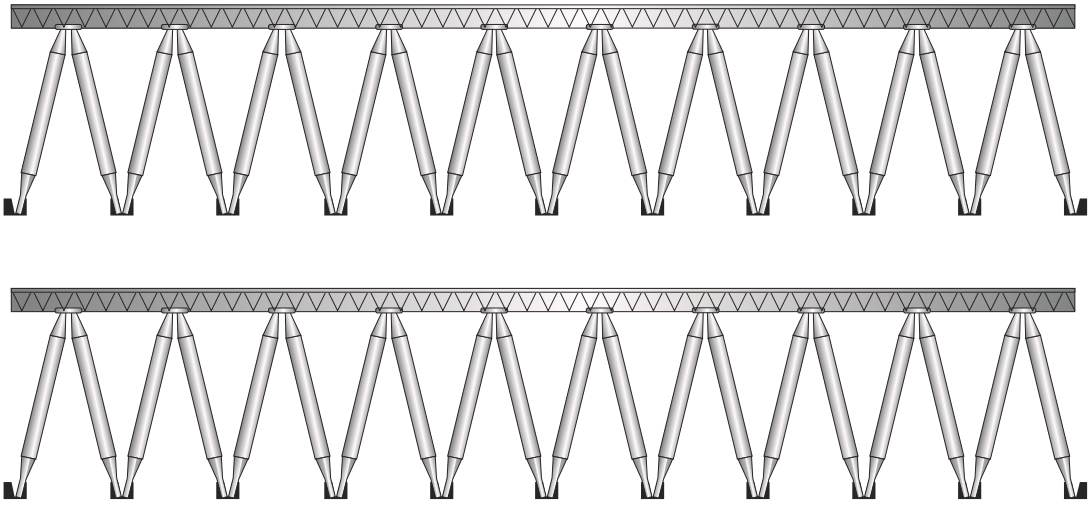
Outer extra layer



Outer skin



Inner skin



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1:100 Scale

1 cm

1 inch

Booster V3

Print on Cardstock (110 lbs)

Booster V3 HSR
BACK PRINT





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Booster V3

Print on Cardstock (110 lbs)

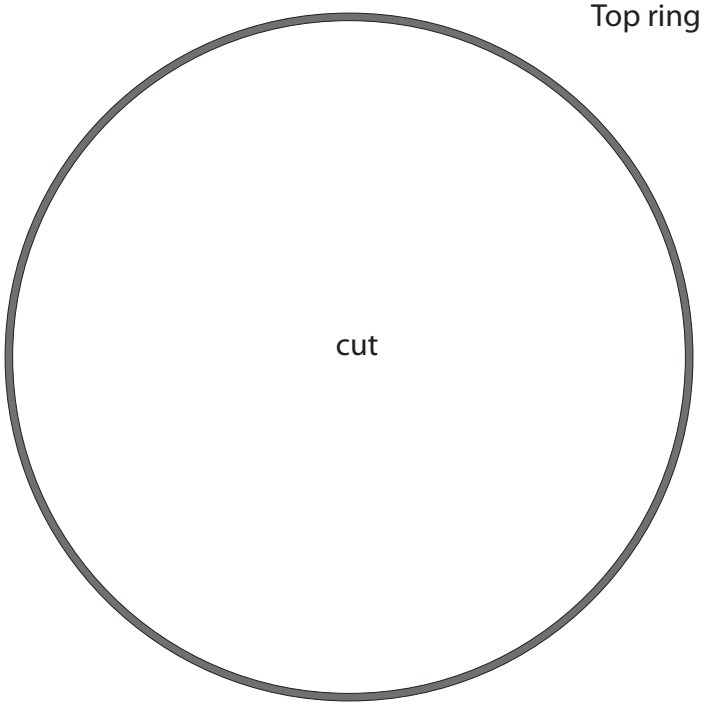
Use for paper version HSR

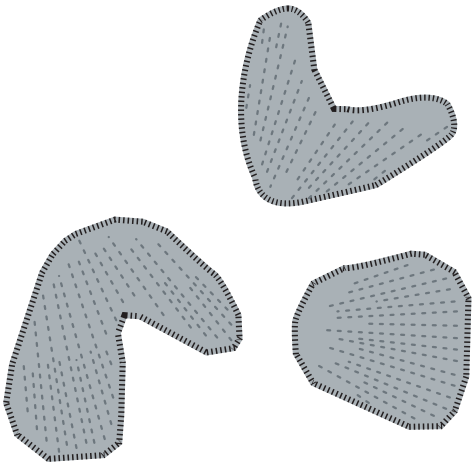
1:100 Scale

1 cm

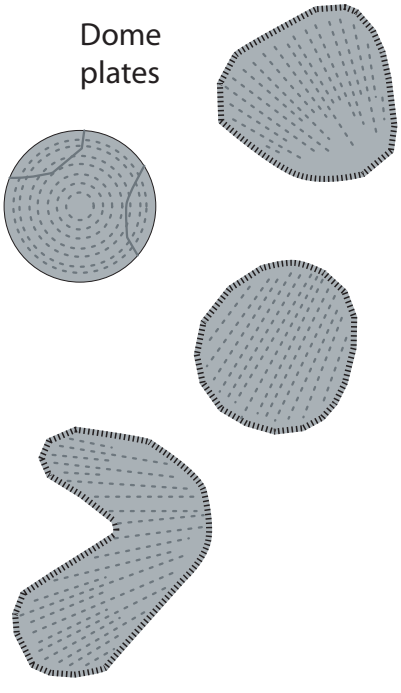
1 inch

Top ring for HSR

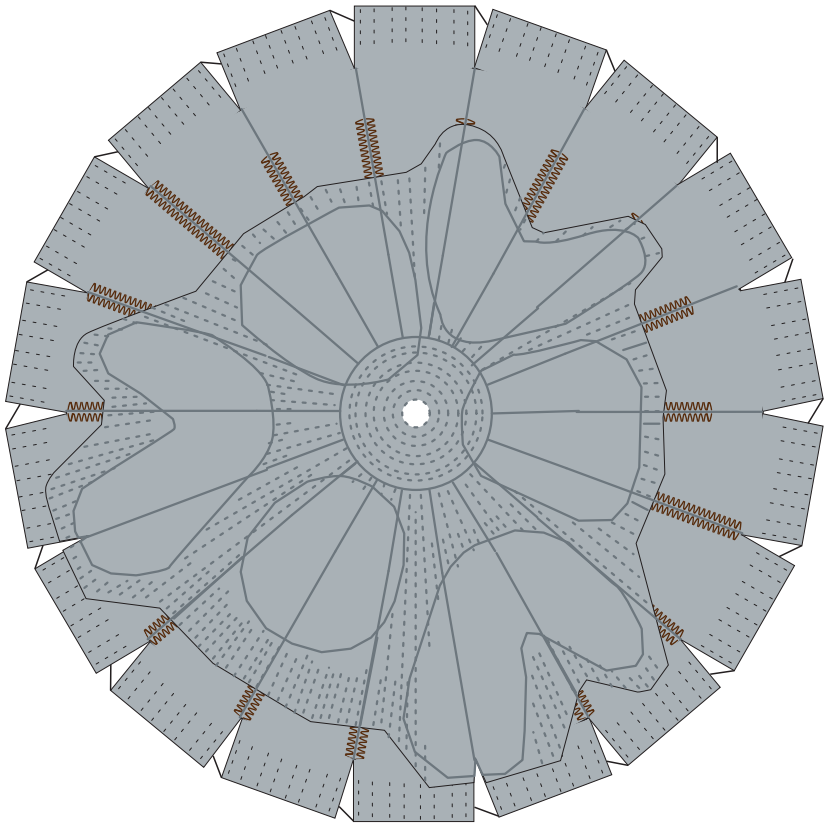




Dome plates



HSR dome



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Booster v3

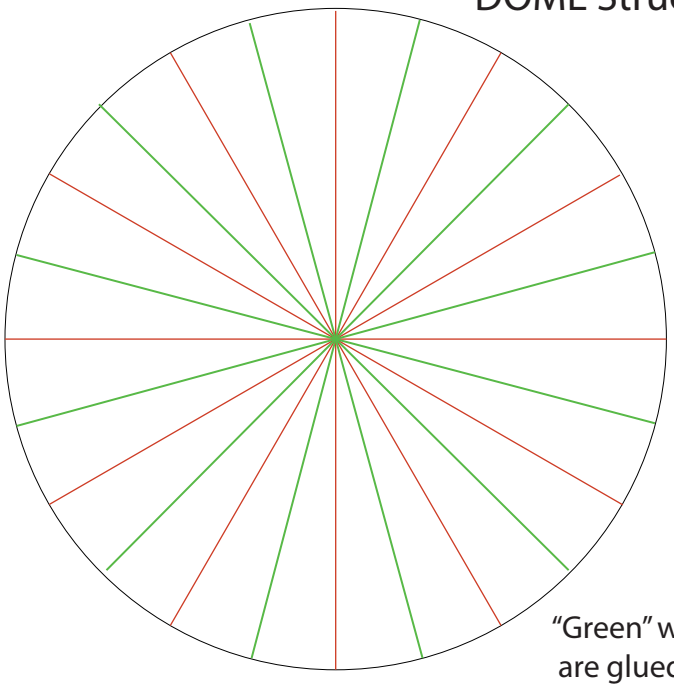
Print on Cardstock (110 lbs)

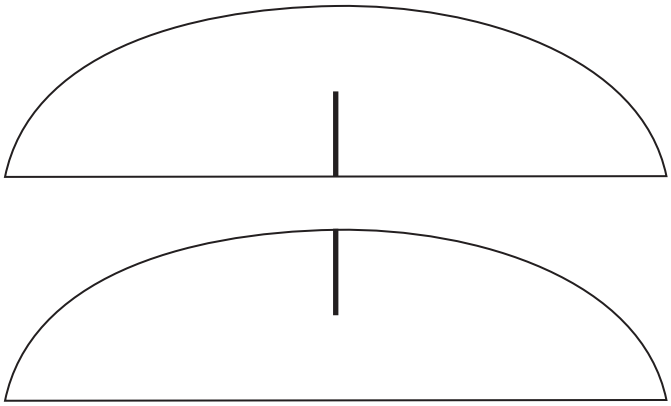
1 cm

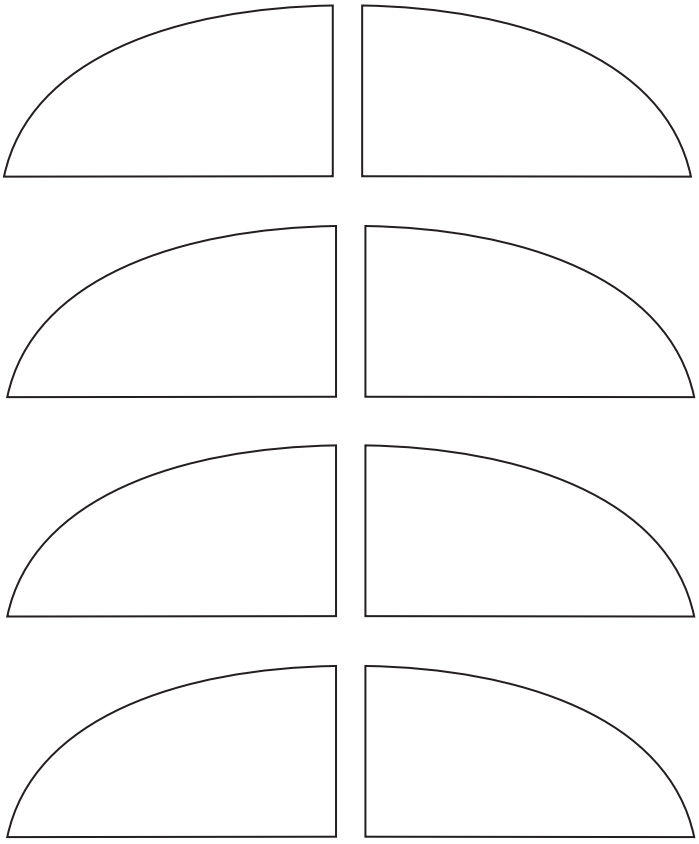
1 inch

1:100 Scale

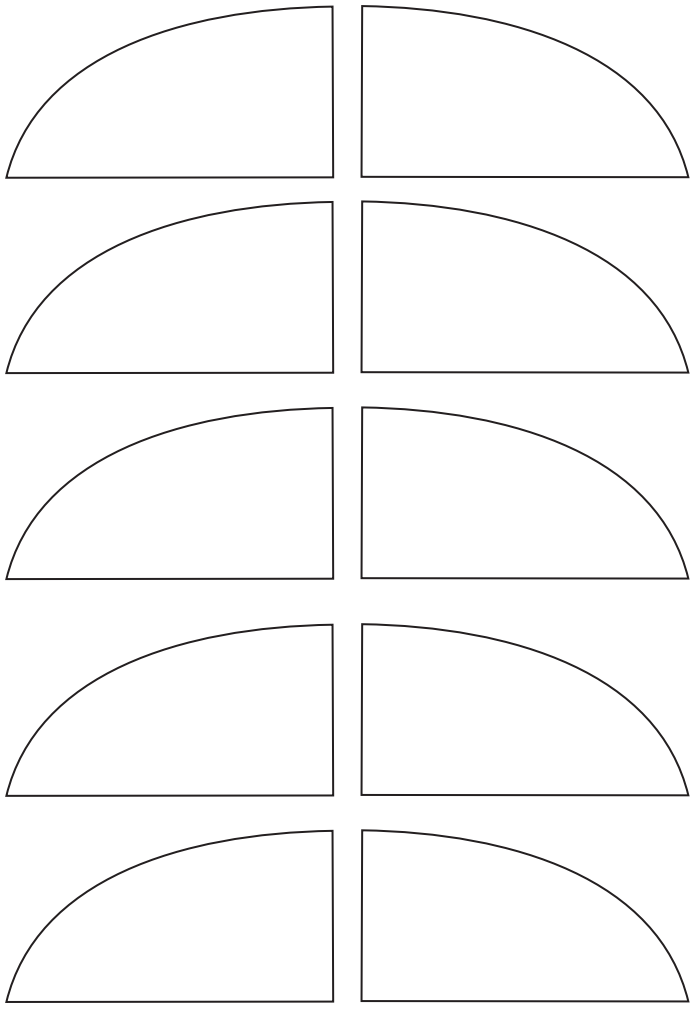
DOME Structure

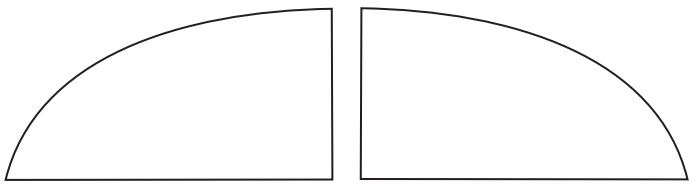






"Green" walls are glued last





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1:100 Scale

1 cm

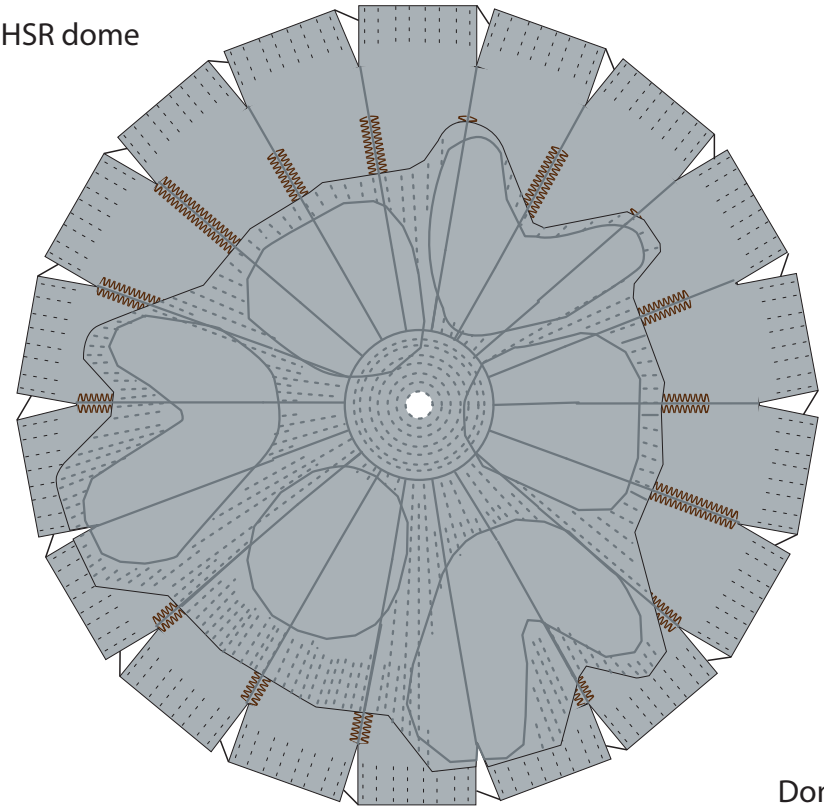
1 inch

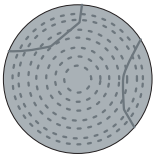
Booster V3

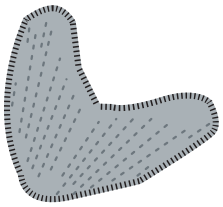
Print on Cardstock (110 lbs)

Use for 3D printed HSR

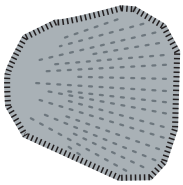
HSR dome

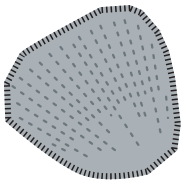


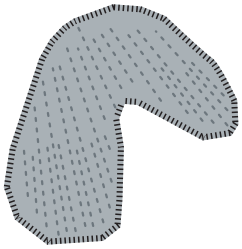


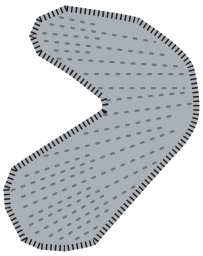


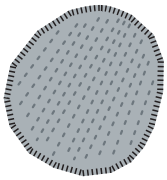
Dome plates











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Booster v3

For 3D HSR

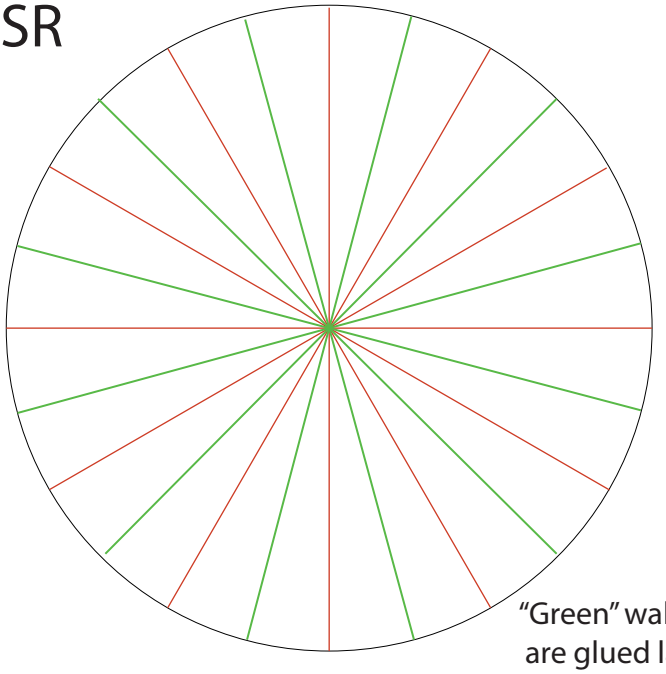
Print on Cardstock (110 lbs)

DOME Structure

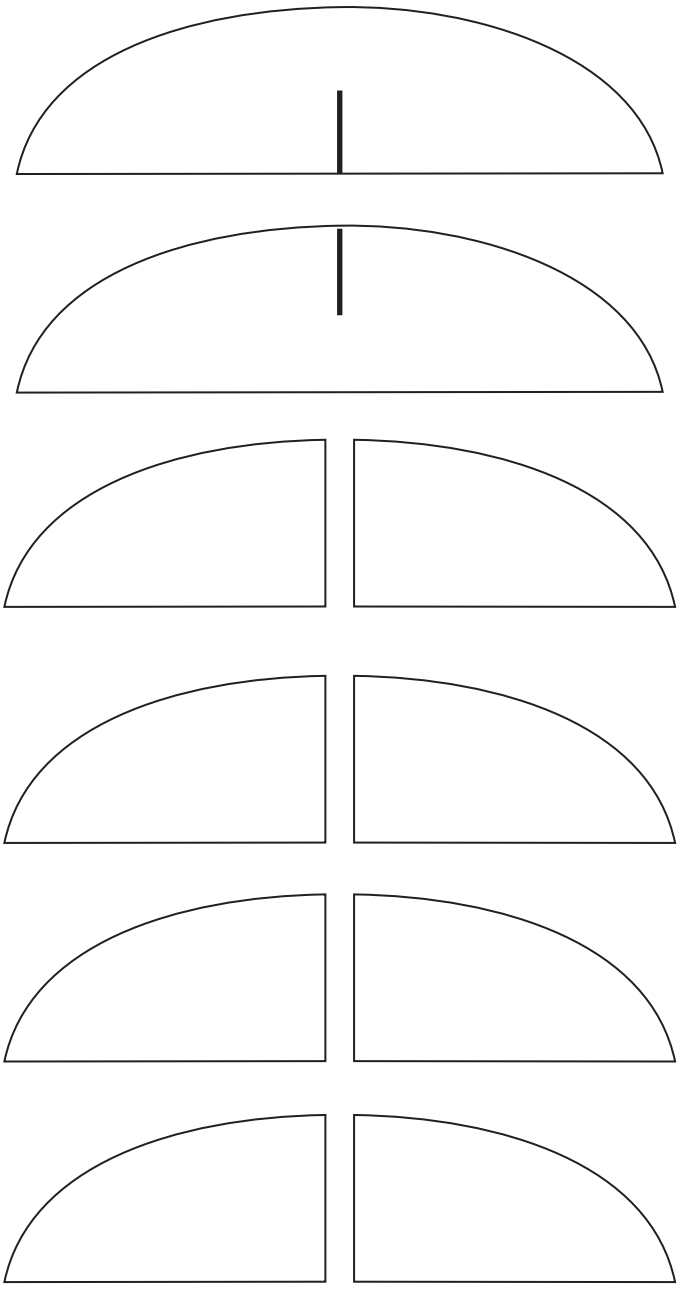
1 cm

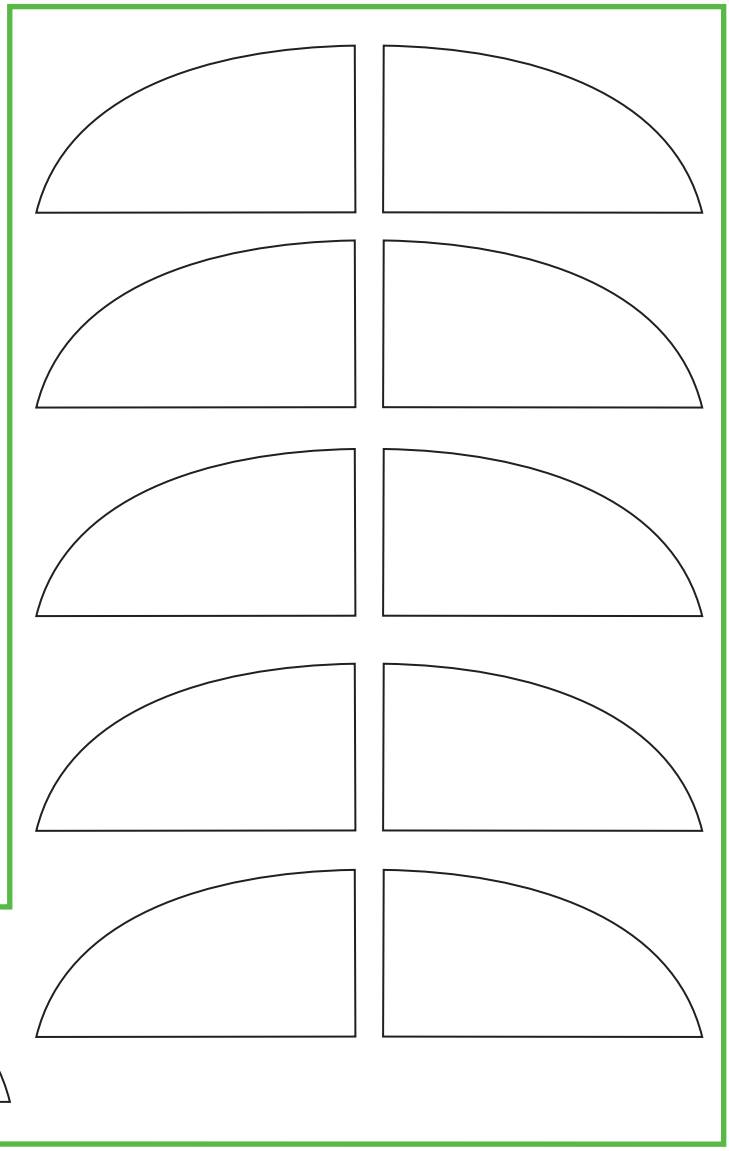
1 inch

1:100 Scale



"Green" walls
are glued last





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Booster V3

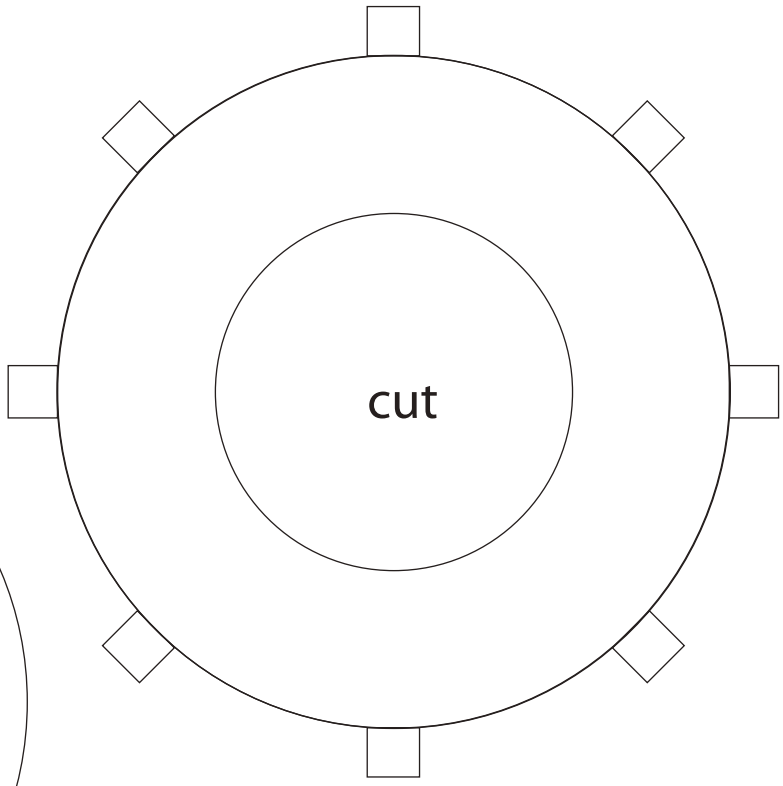
Print on Cardstock (110 lbs)

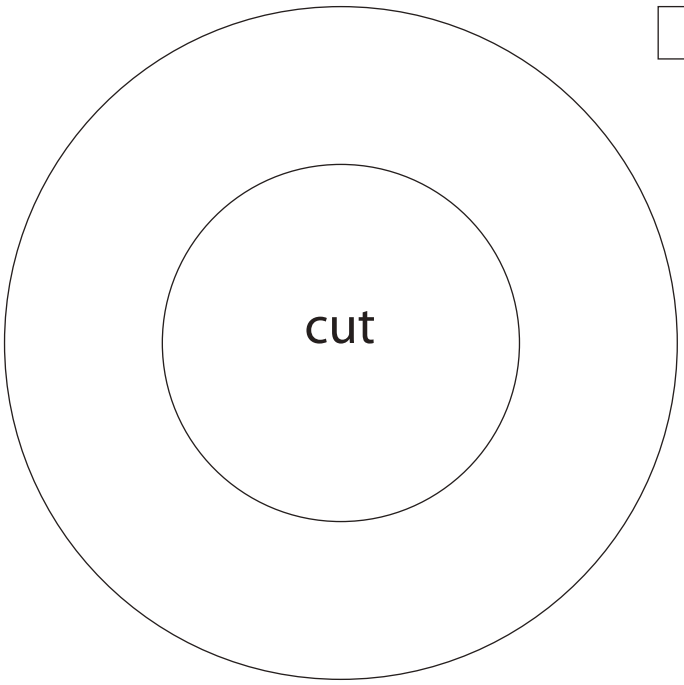
Former for upper dome

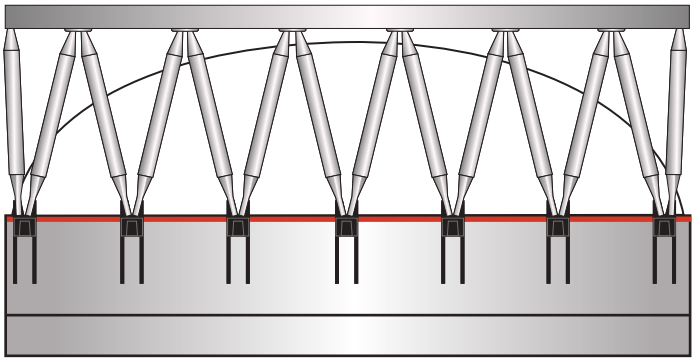
1 cm

1 inch

1:100 Scale







IMPORTANT

Top former is glued at the top edge of upper body

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1:100 Scale

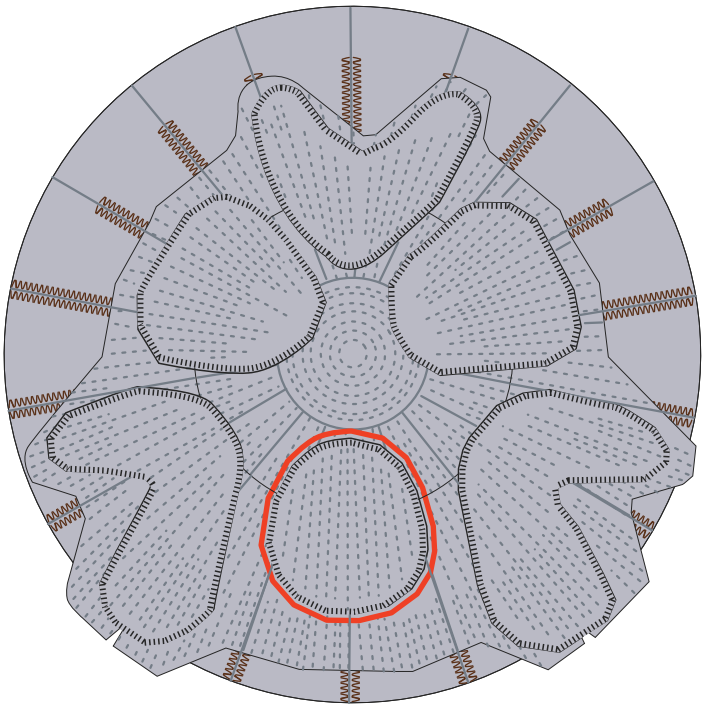
1 cm

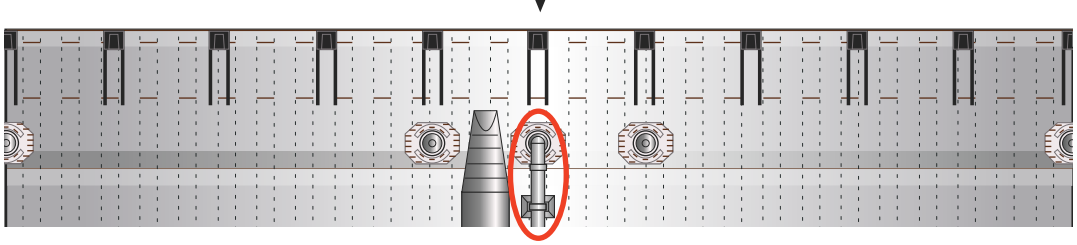
1 inch

Booster V3

Print on Cardstock (110 lbs)

HSR Dome Alignment





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Booster V3 Grid Fins

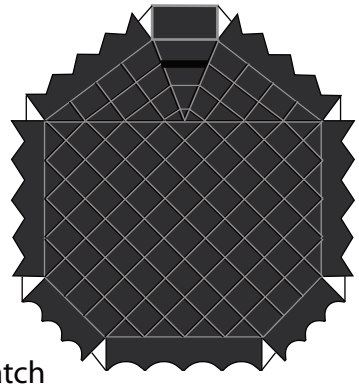
Simple version

Print on Cardstock (110 lbs)

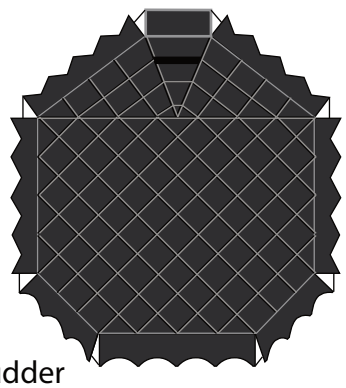
1 cm

1 inch

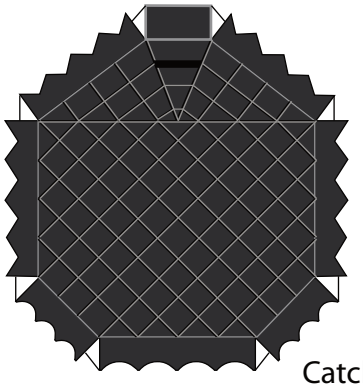
1:100 Scale



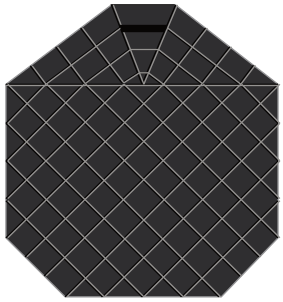
Catch gridfin

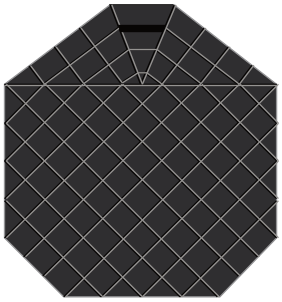


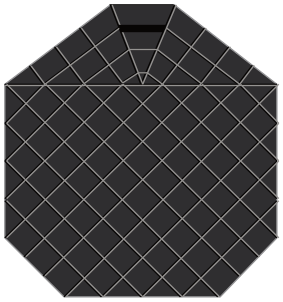
Rudder gridfin

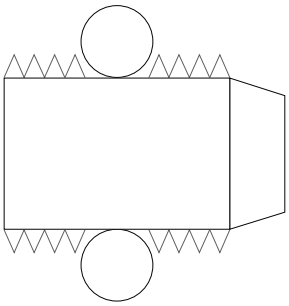


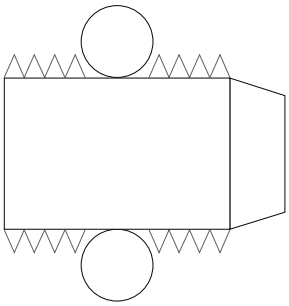
Catch gridfin

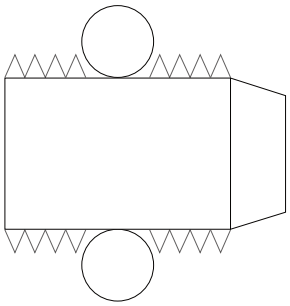


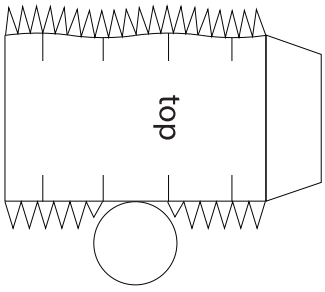


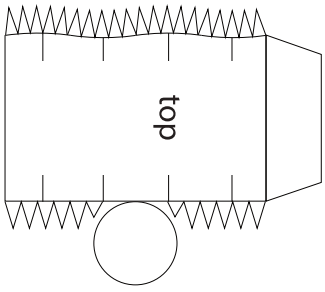


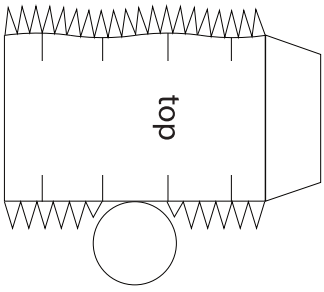












Cylinders inside booster

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Print on Cardstock (110 lbs)

Back Print



Booster V3 Grid Fins

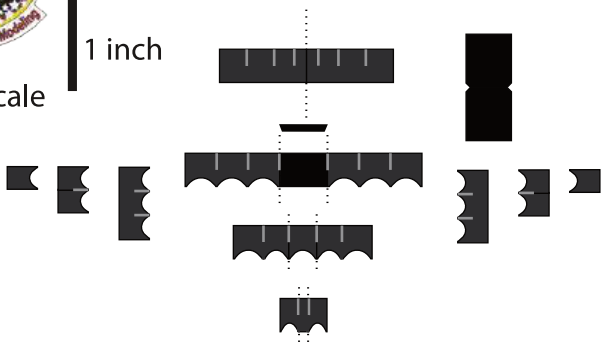
Catch Grid fins detailed version

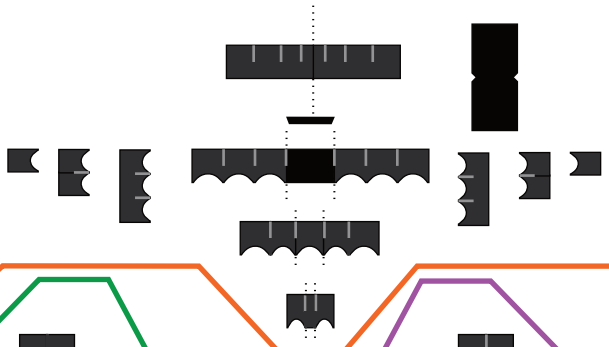
Print on Cardstock (110 lbs)

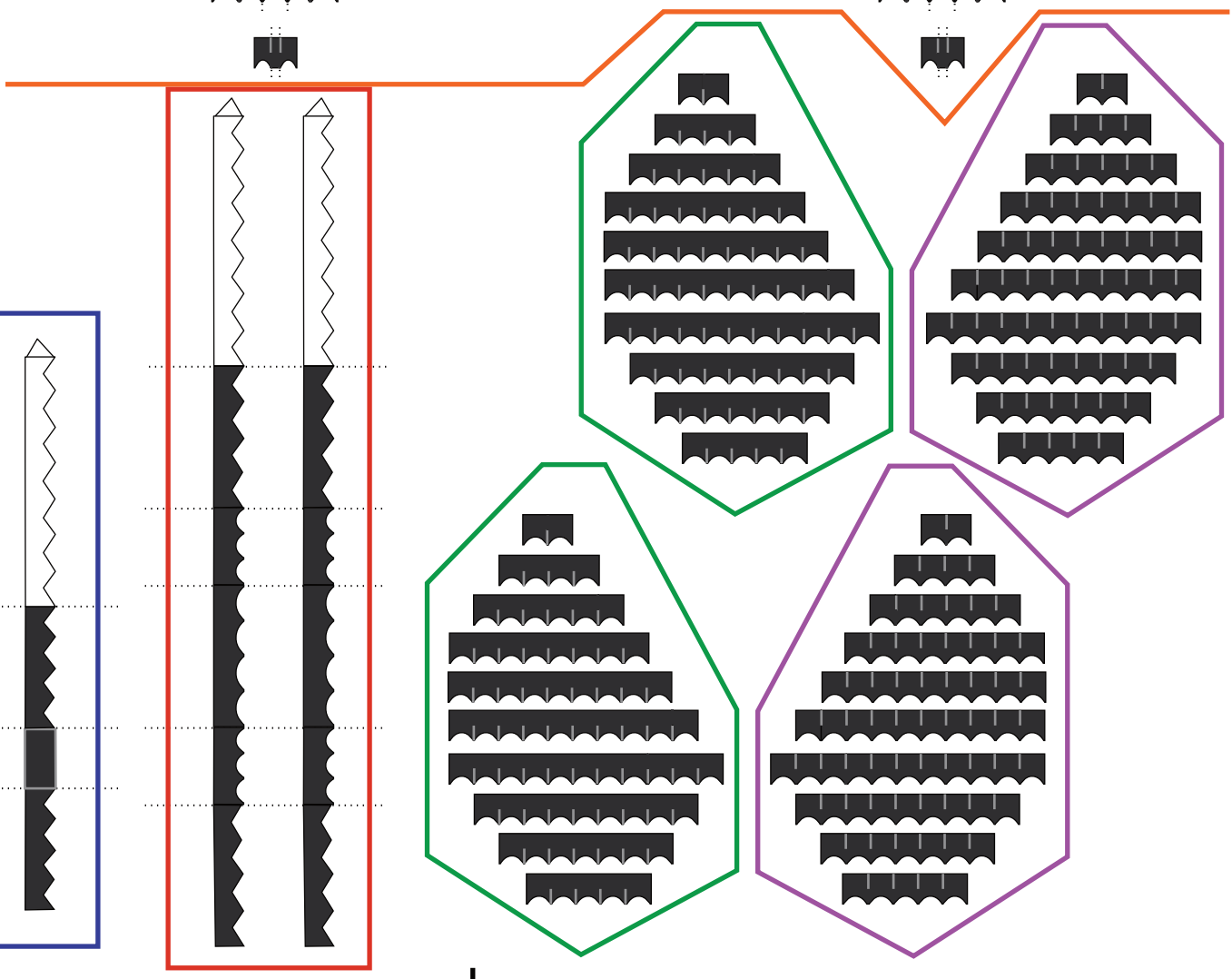
1 cm

1 inch

1:100 Scale





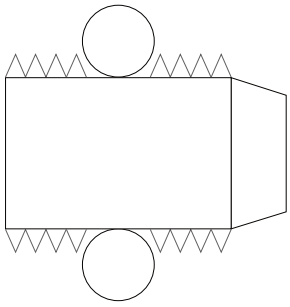


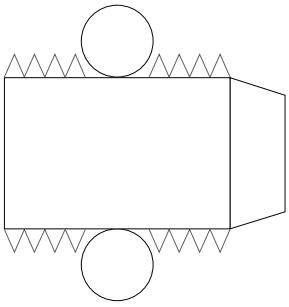


Catch gridfin

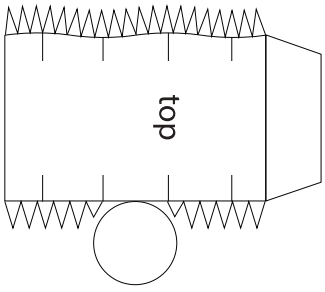


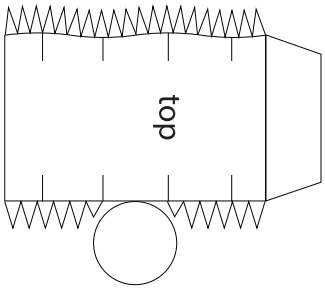
Catch gridfin





Cylinders inside booster





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Catch Grid fins detailed version back print



1 cm

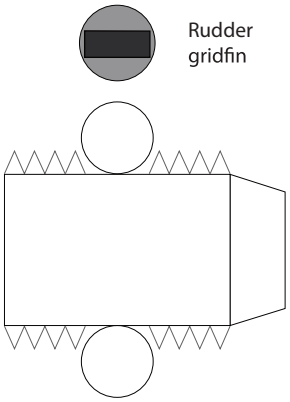
1 inch

1:100 Scale

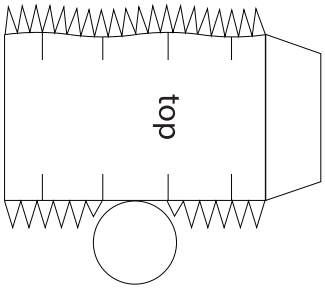
Booster V3 Grid Fins

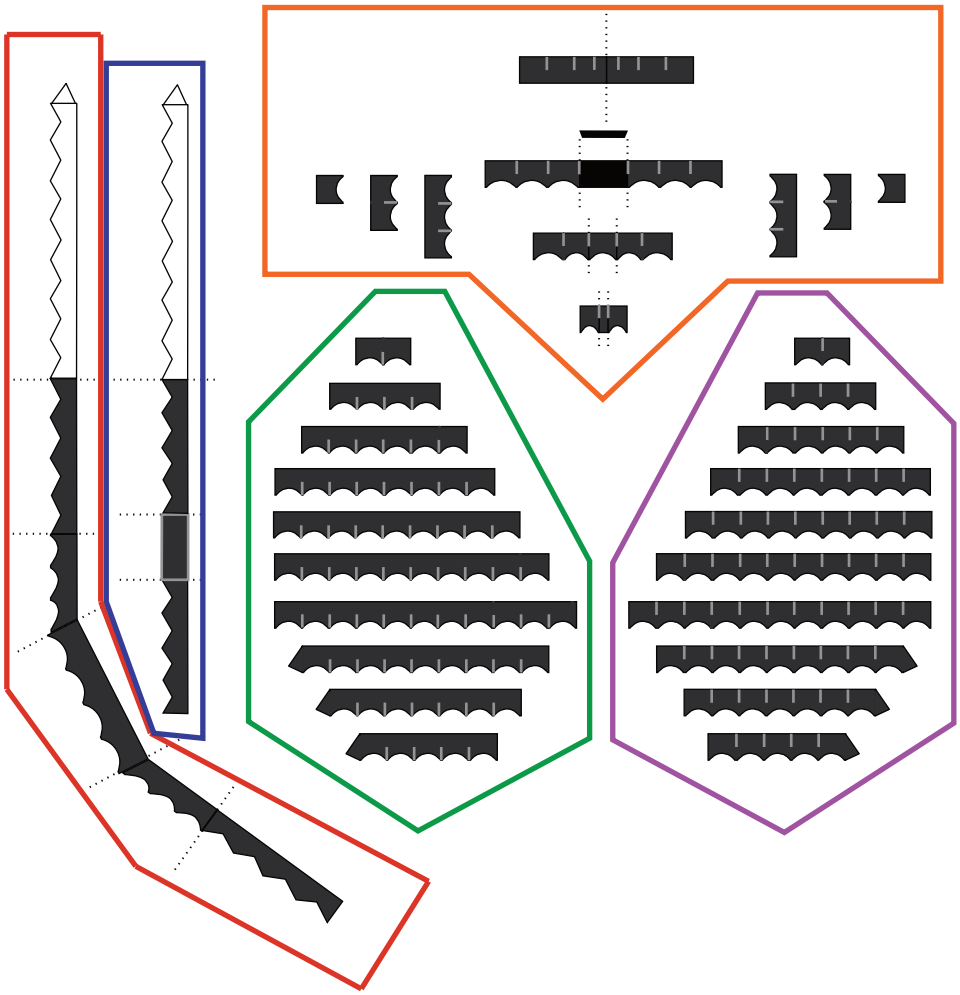
Rudder Grid fin detailed version

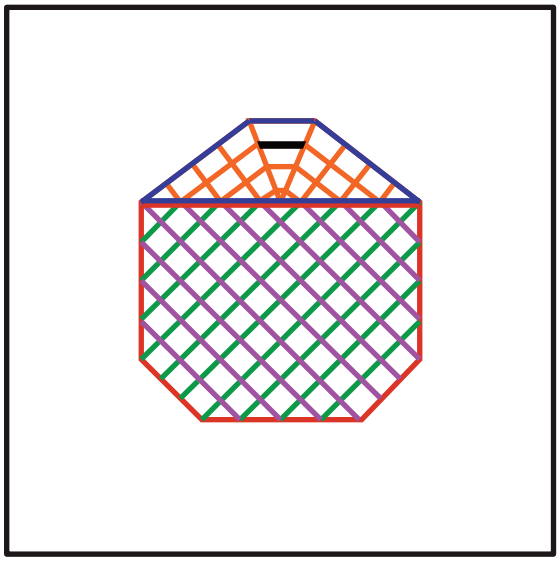
Print on Cardstock (110 lbs)



Cylinder inside booster



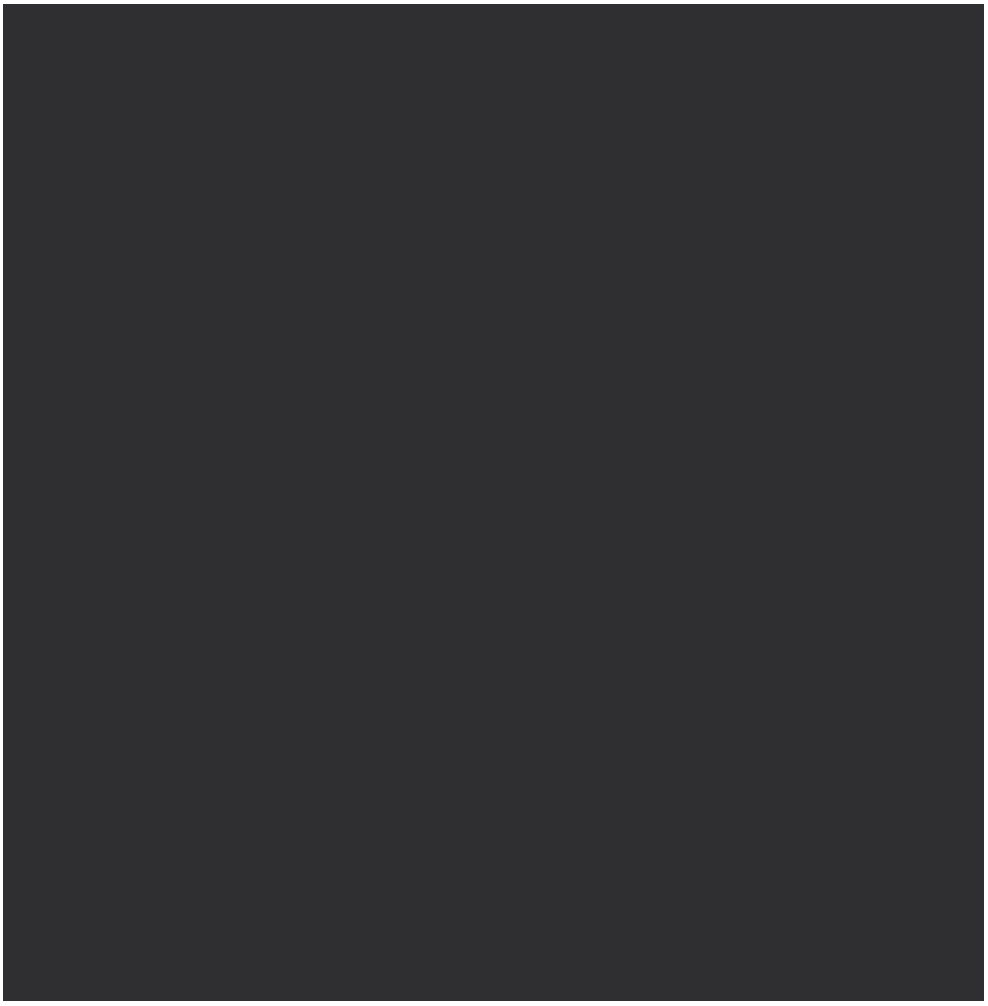




Use this template as a guide during assembly

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Rudder Grid fin detailed version Back print



Booster V3

Print on Cardstock (110 lbs)

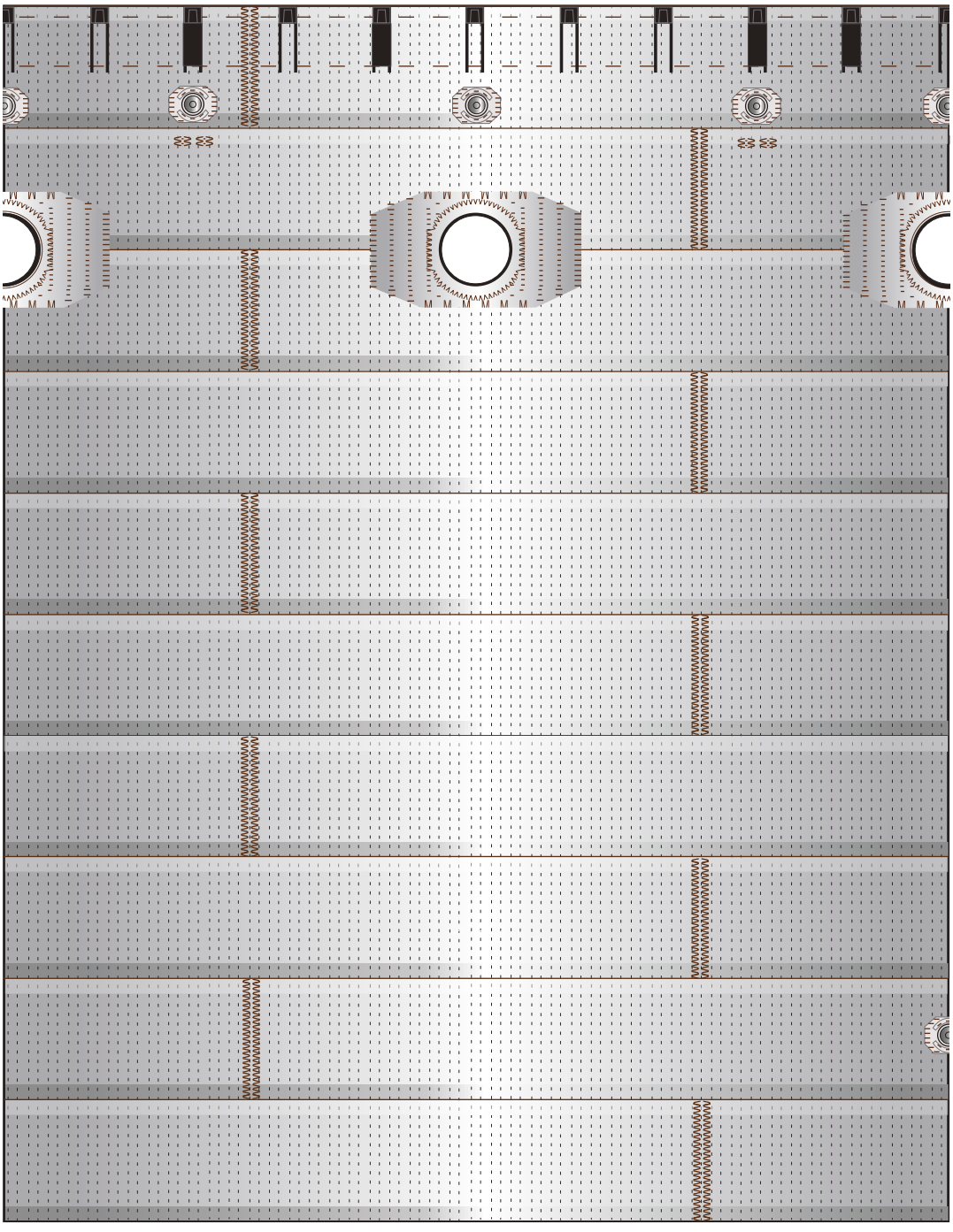
1:100 Scale

1 cm

1 inch

Front side top

top/middle



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Booster V3

Print on Cardstock (110 lbs)

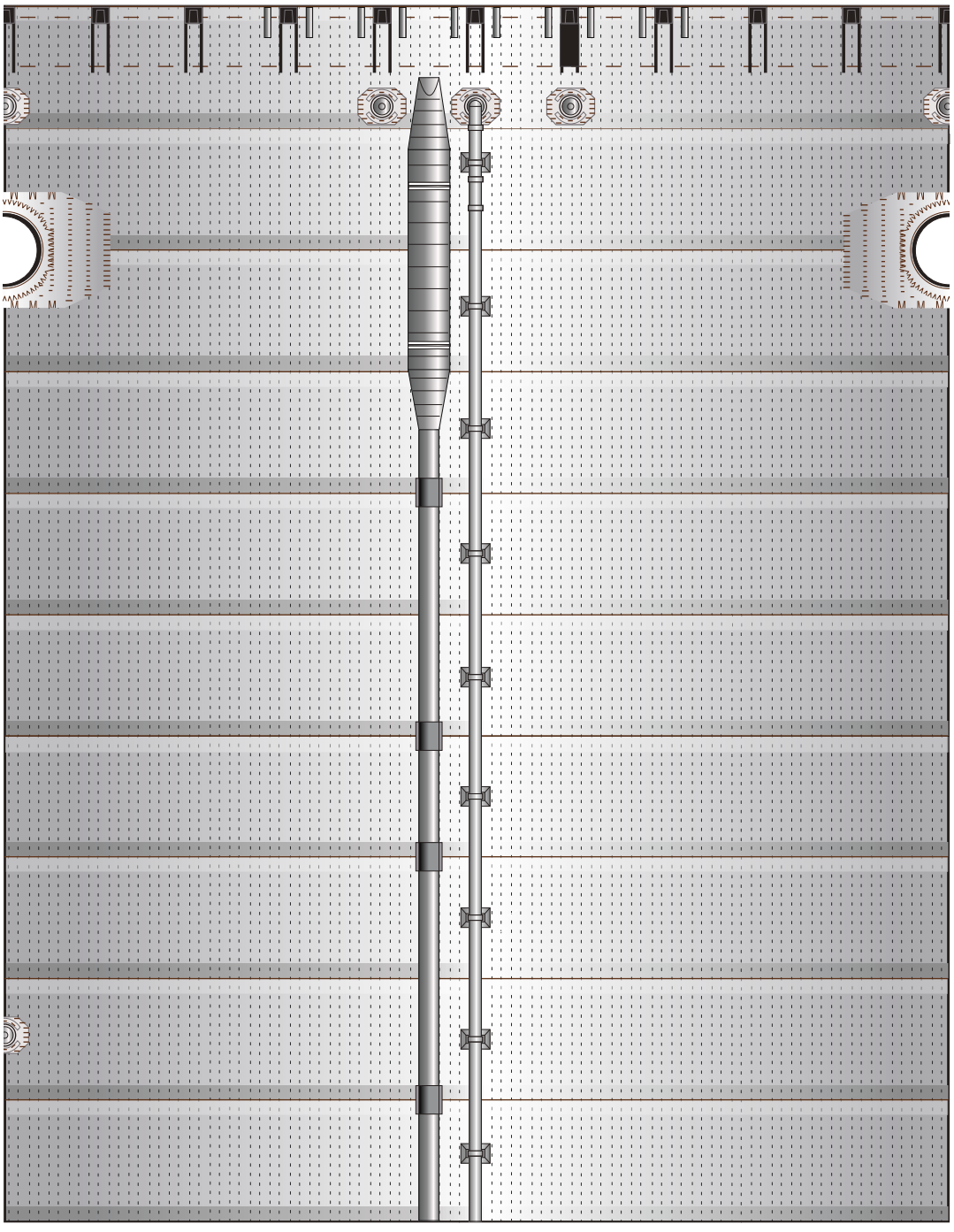
Umbilical side top

1 cm

1 inch

1:100 Scale

middle/bottom



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1:100 Scale

Booster V3

Print on Cardstock (110 lbs)

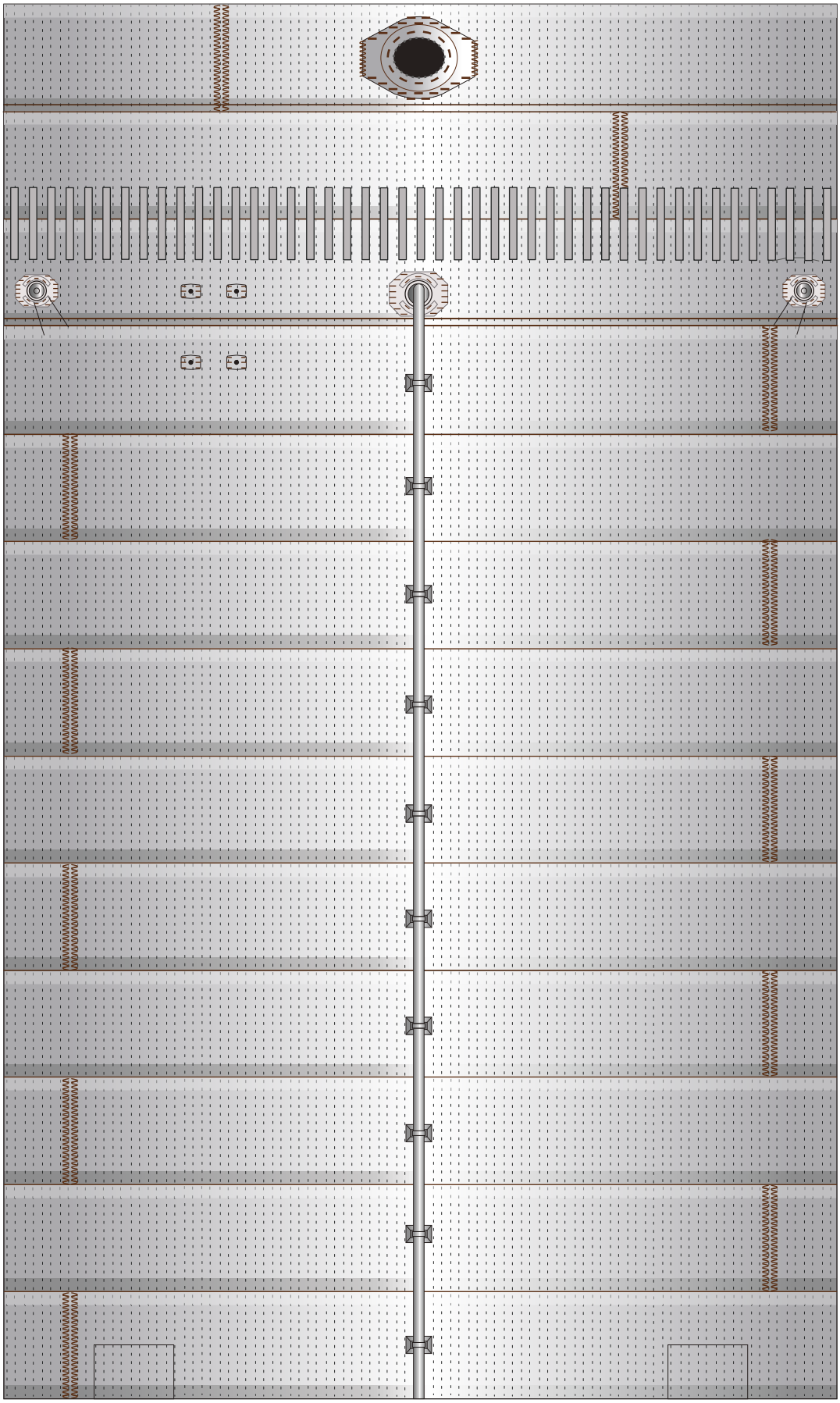
Front middle

1 cm

1 inch

R

L



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1:100 Scale

Booster V3

Print on Cardstock (110 lbs)

Umbilical middle

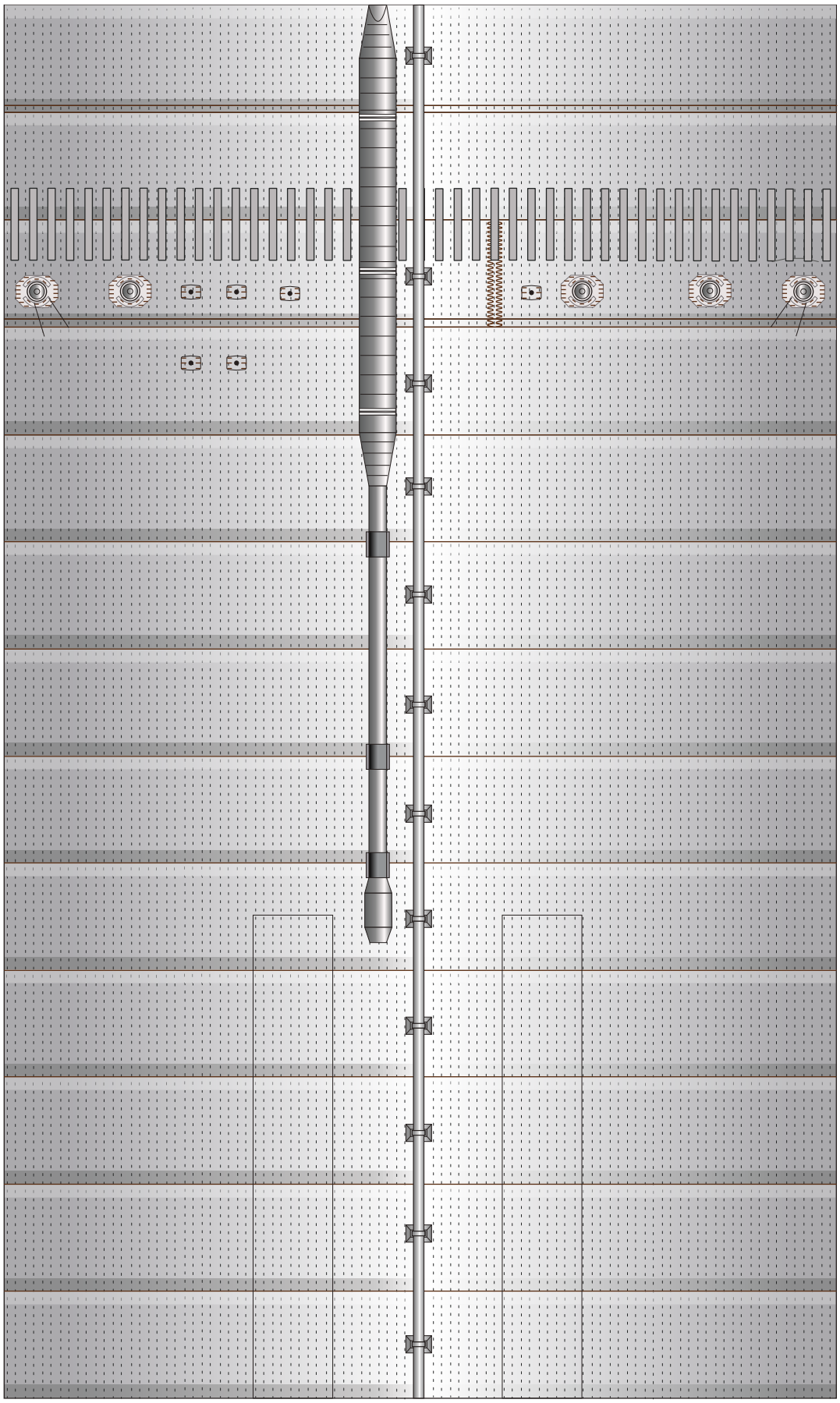
Updated

1 cm

1 inch

R

L



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1:100 Scale

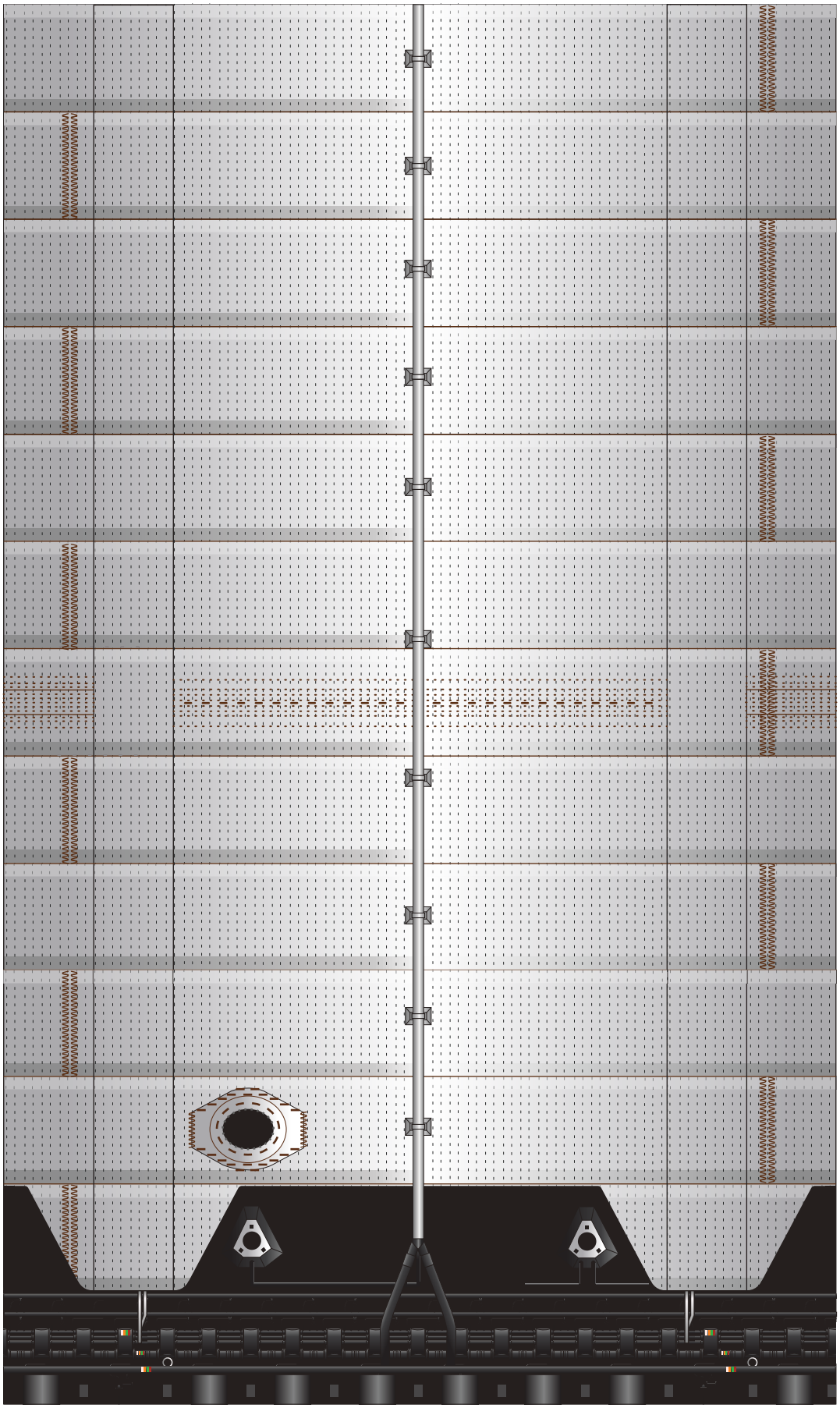
Booster V3

Print on Cardstock (110 lbs)

Front bottom

1 cm

1 inch



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1:100 Scale

Booster V3

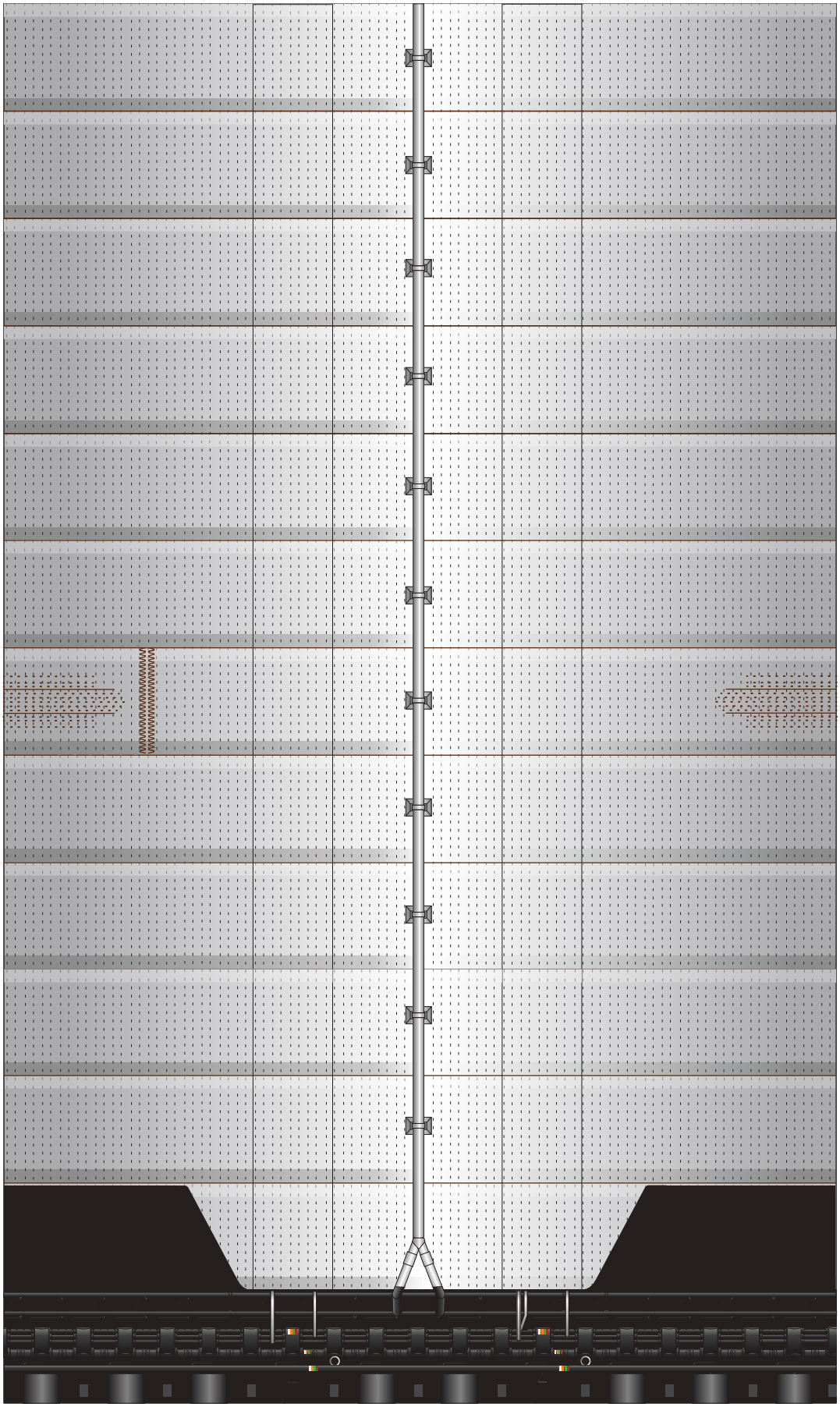
Print on Cardstock (110 lbs)

Umbilical bottom

Updated

1 cm

1 inch



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Booster V3

COPV covers

Print on Cardstock (110 lbs)

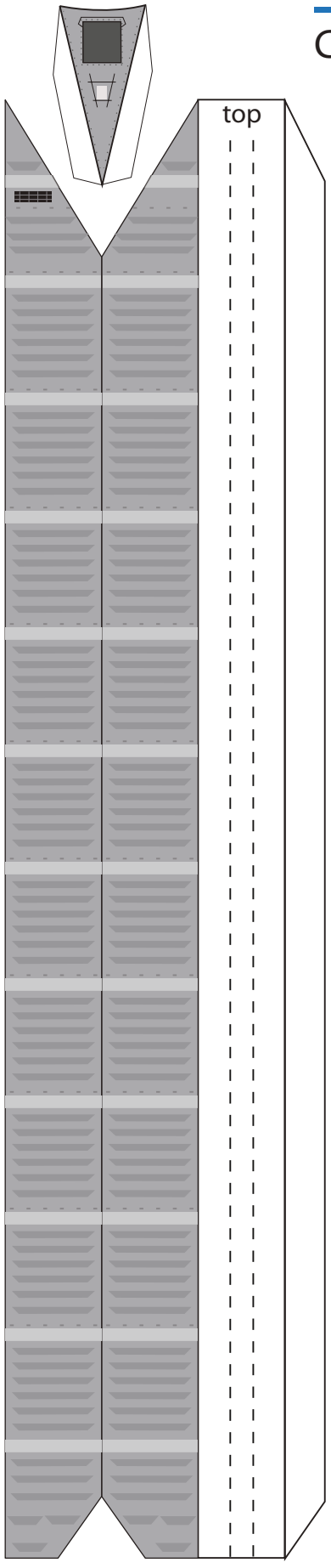
1:100 Scale

1 cm

1 inch

outside

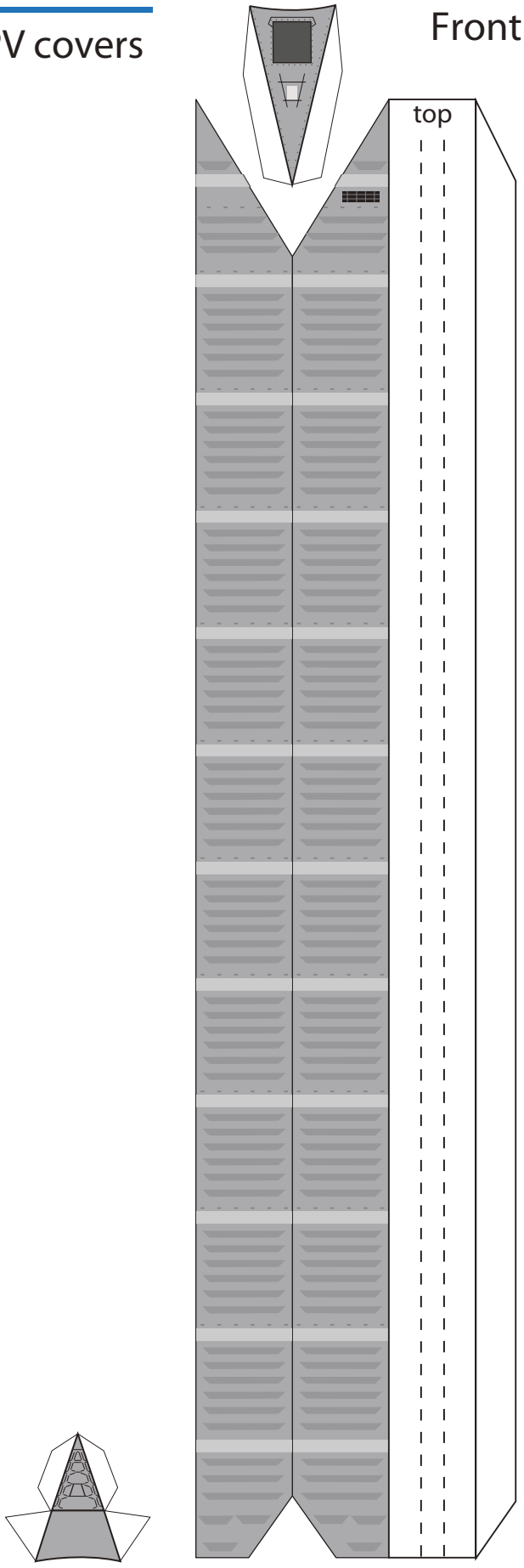
top

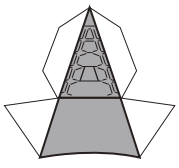


Front side

top

outside





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Booster V3

COPV covers

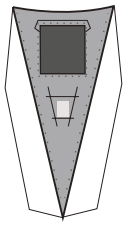
Print on Cardstock (110 lbs)

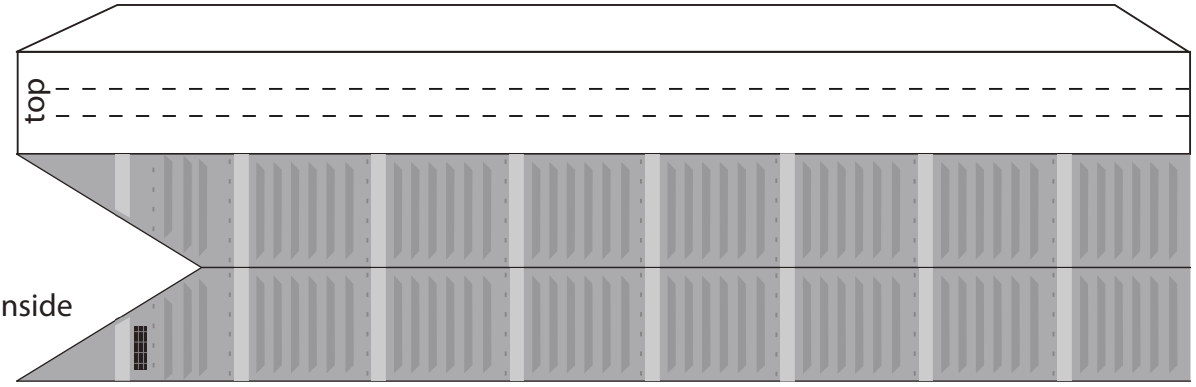
Umbilical side

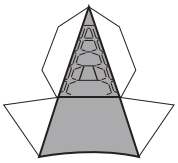
1:100 Scale

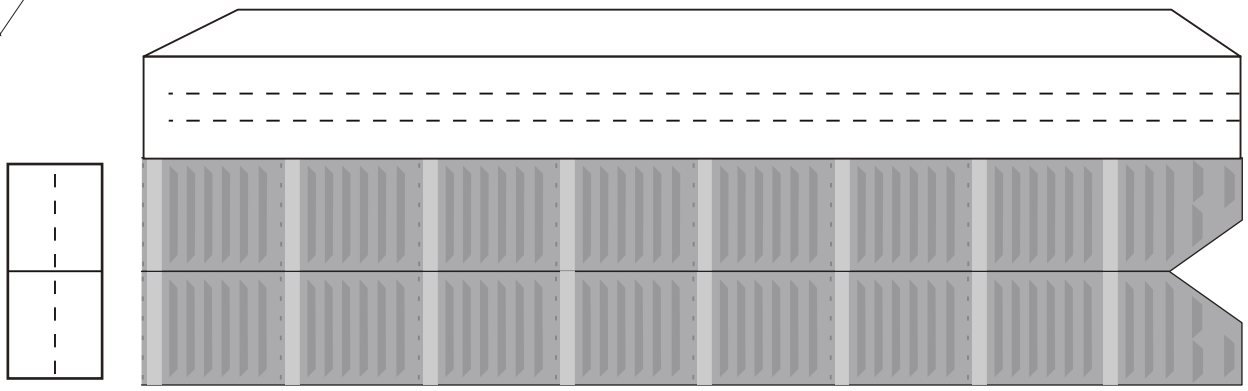
1 cm

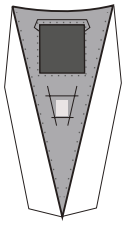
1 inch

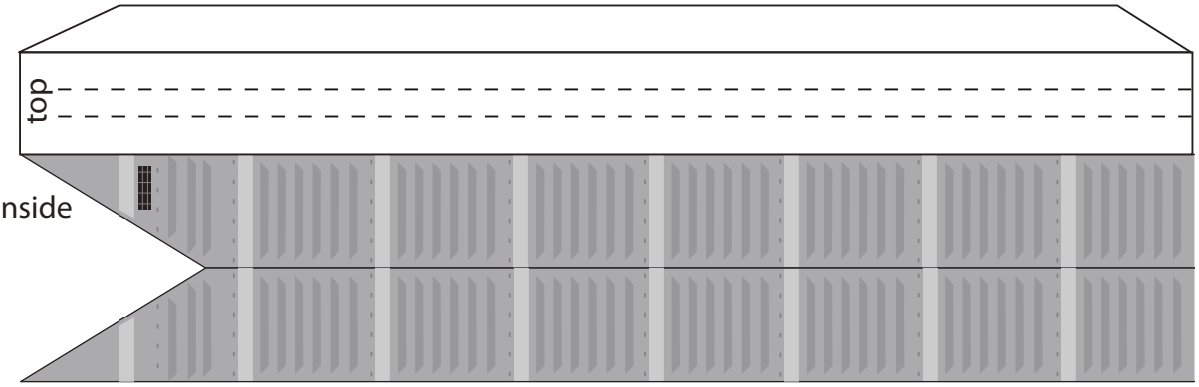


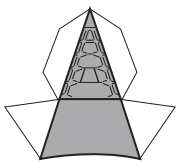


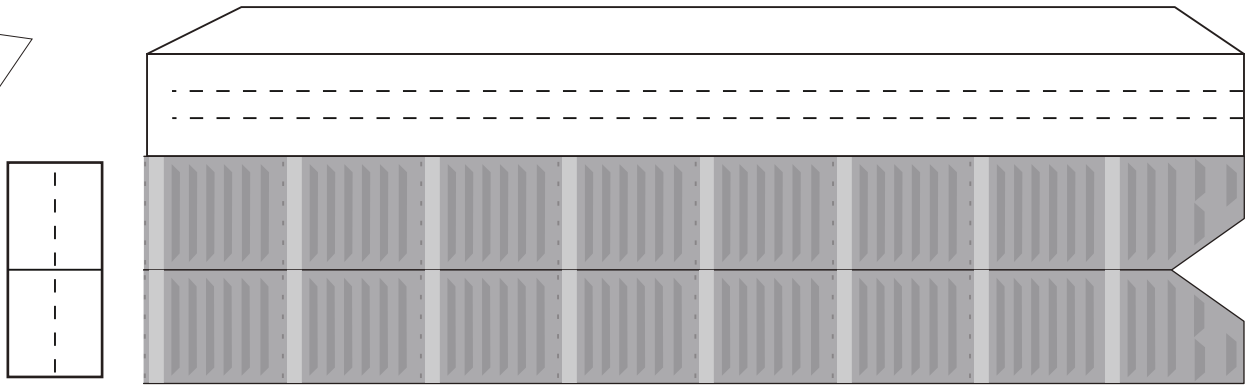












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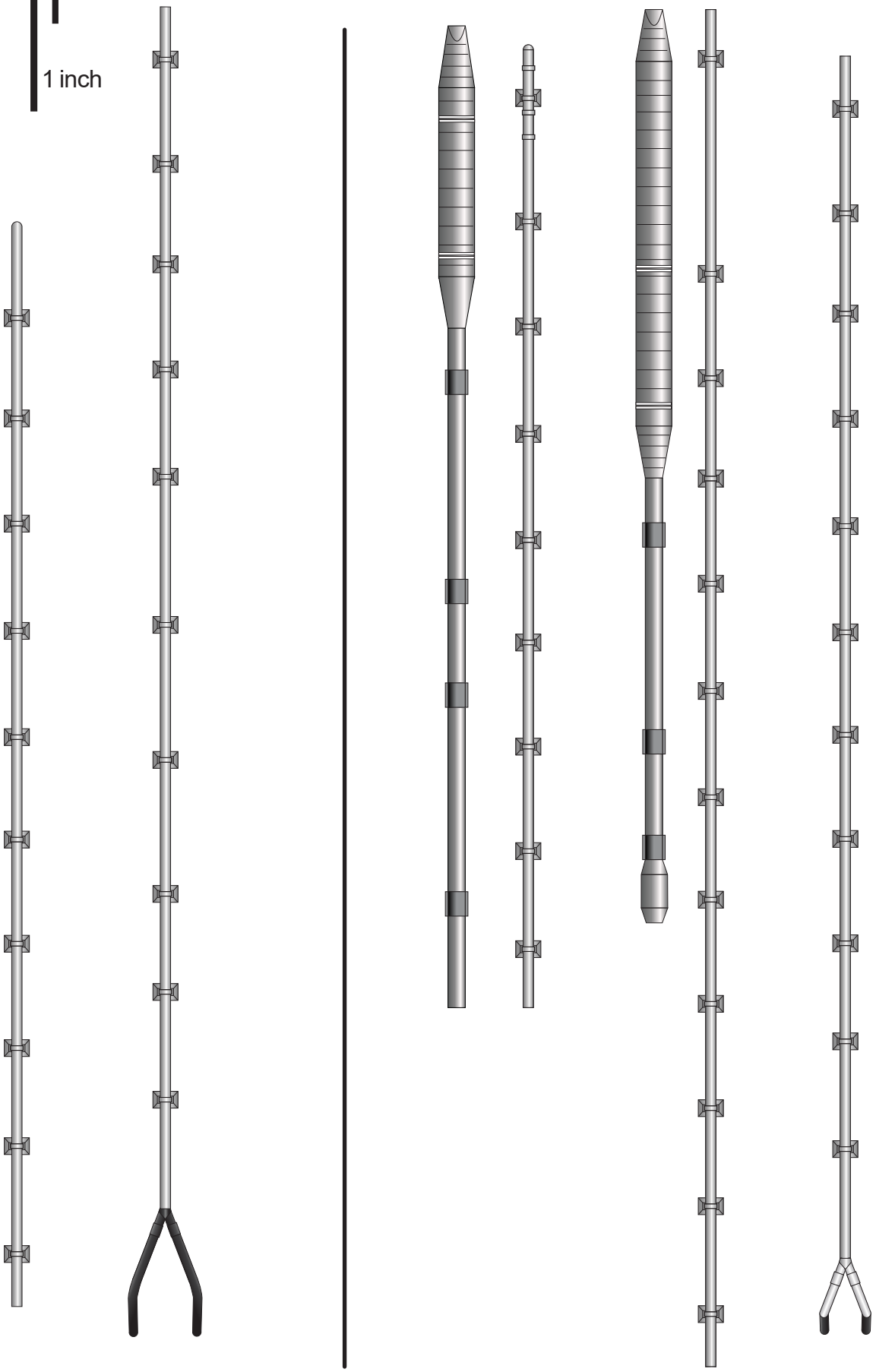
Print on Cardstock (110 lbs)

Booster V3

1 cm

1 inch

1:100 Scale



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Booster v3

Print on Cardstock (110 lbs)

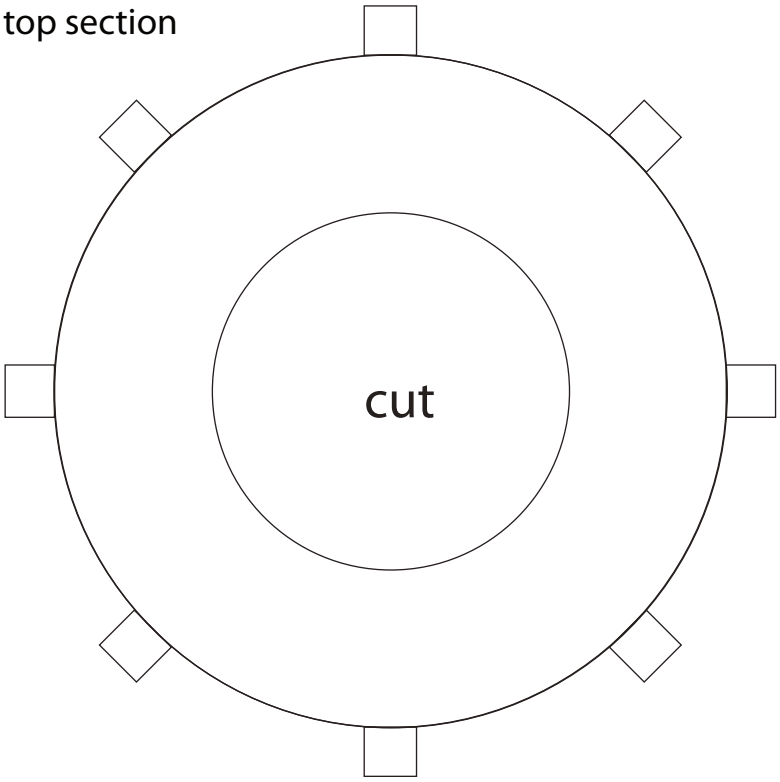
1 cm

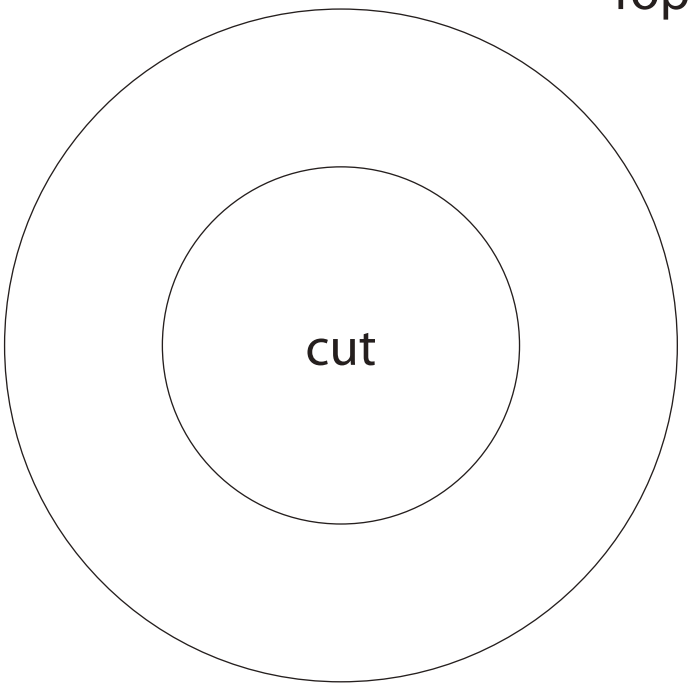
1 inch

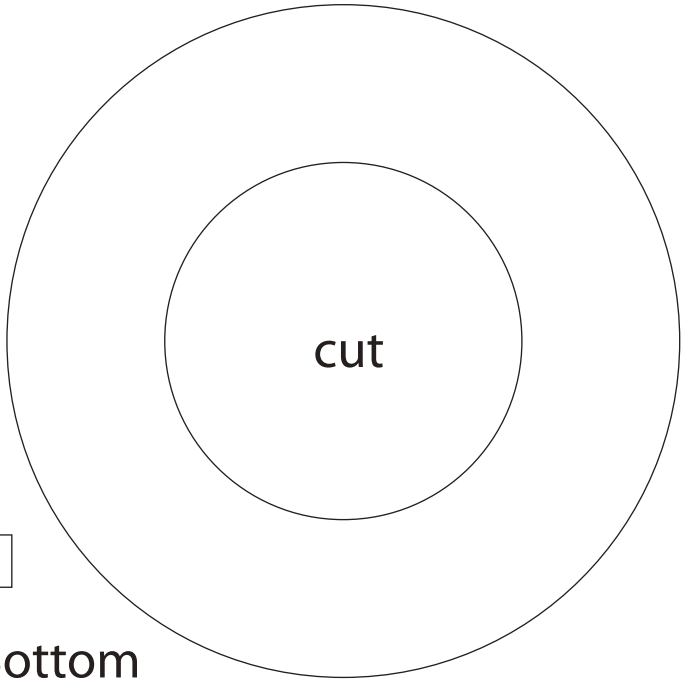
1:100 Scale

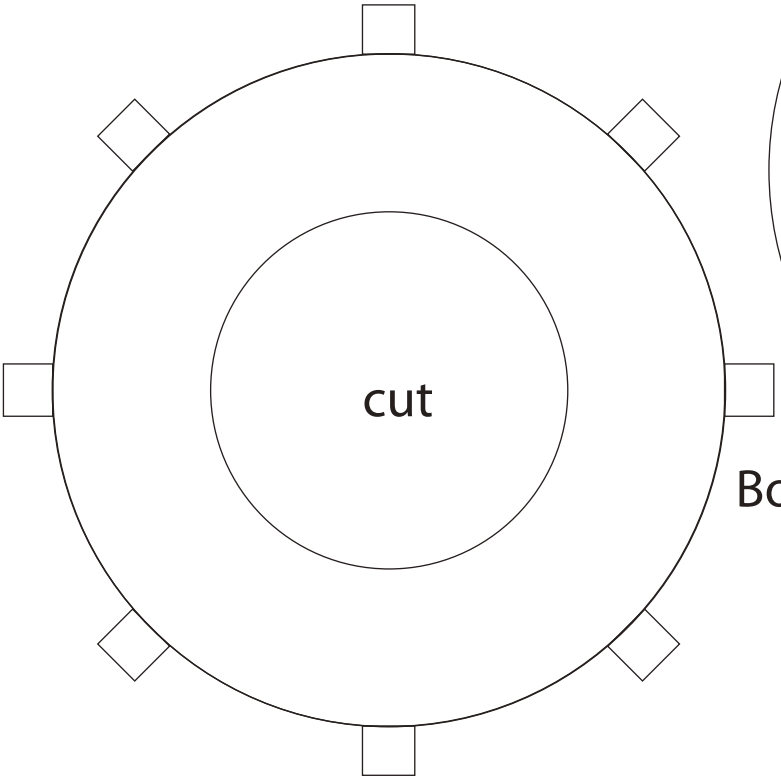
Formers top section

Top









Bottom

IMPORTANT

Top former is being replaced by HSR dome former.

Bottom former is glued 20 mm from bottom edge of top section

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Booster v3

Print on Cardstock (110 lbs)

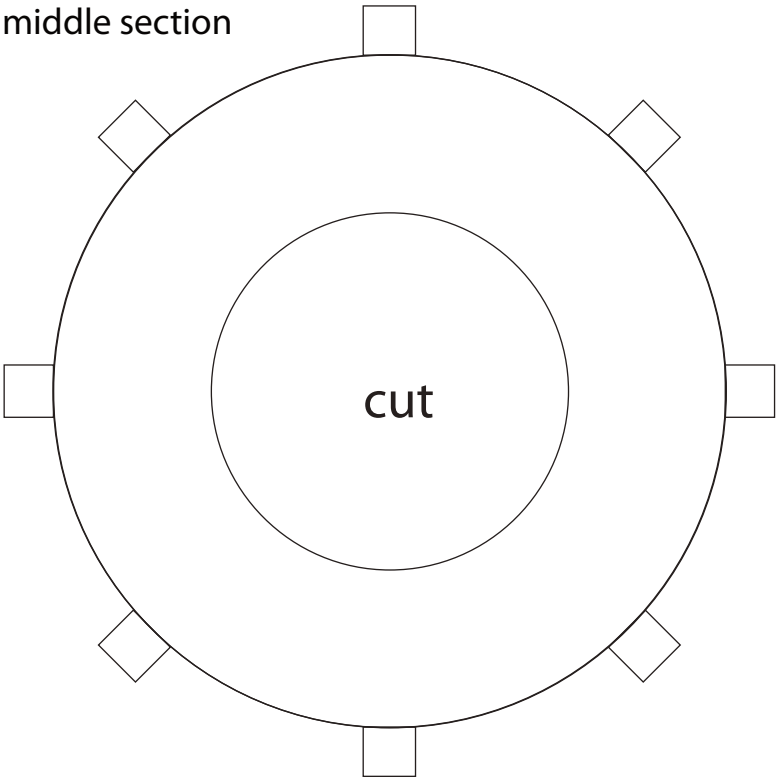
1 cm

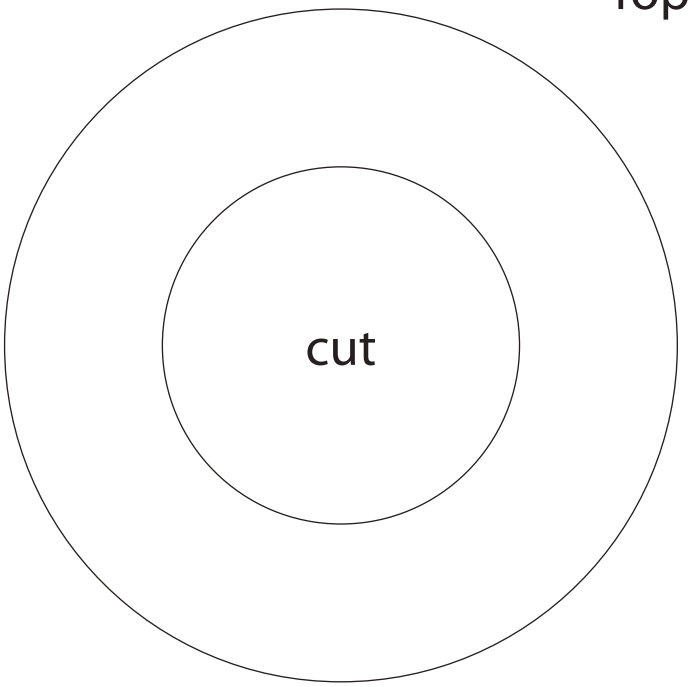
1 inch

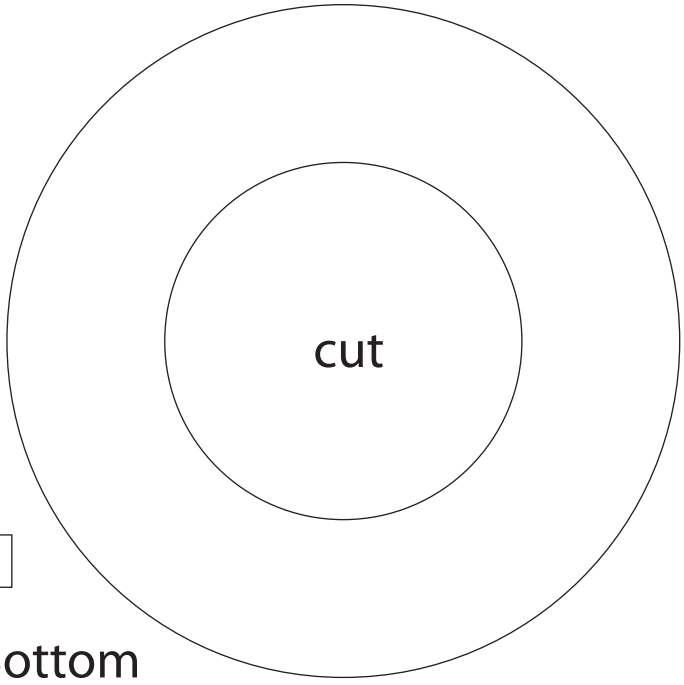
1:100 Scale

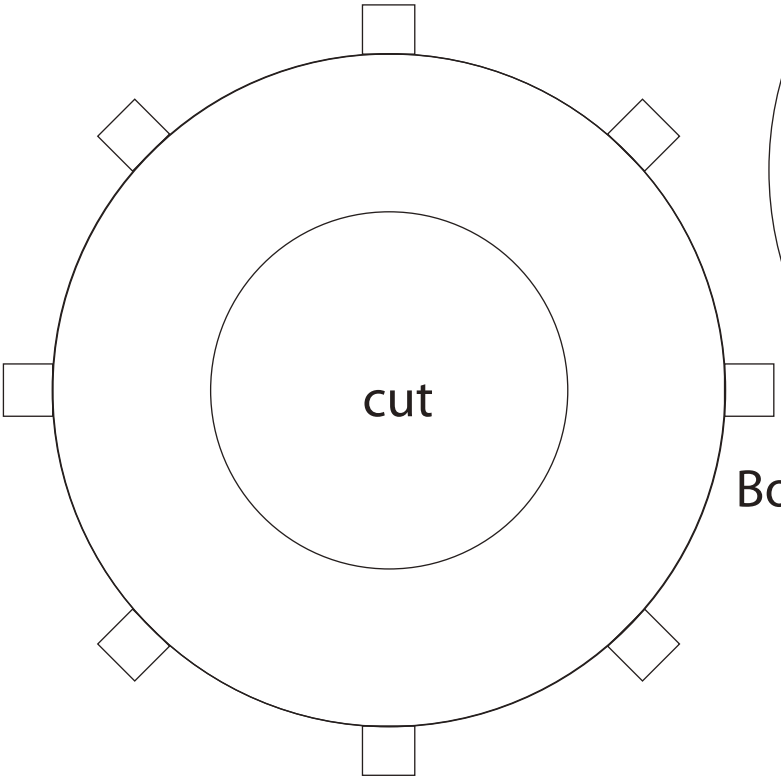
Formers middle section

Top









Bottom

IMPORTANT

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

Bottom former is glued 20 mm from bottom edge of mid section

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Booster v3

Print on Cardstock (110 lbs)

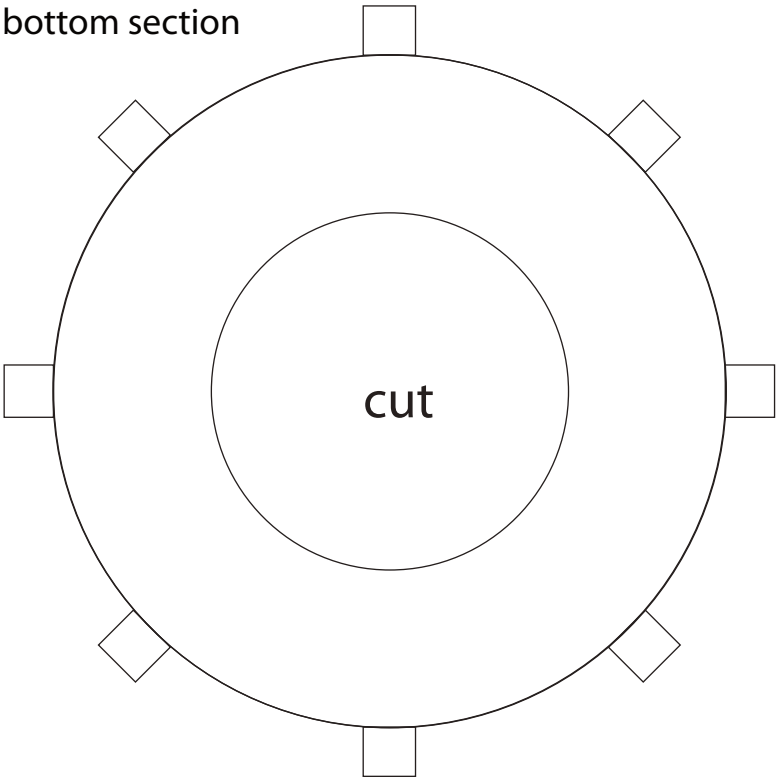
1 cm

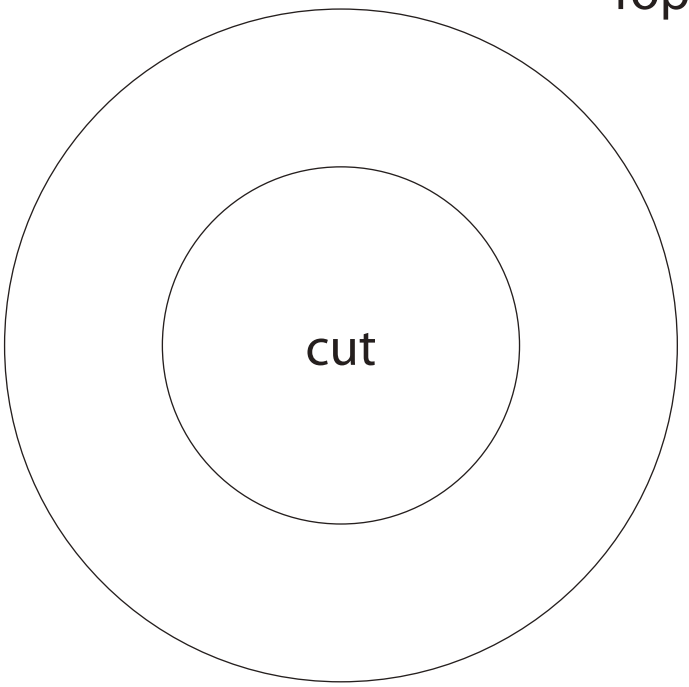
1 inch

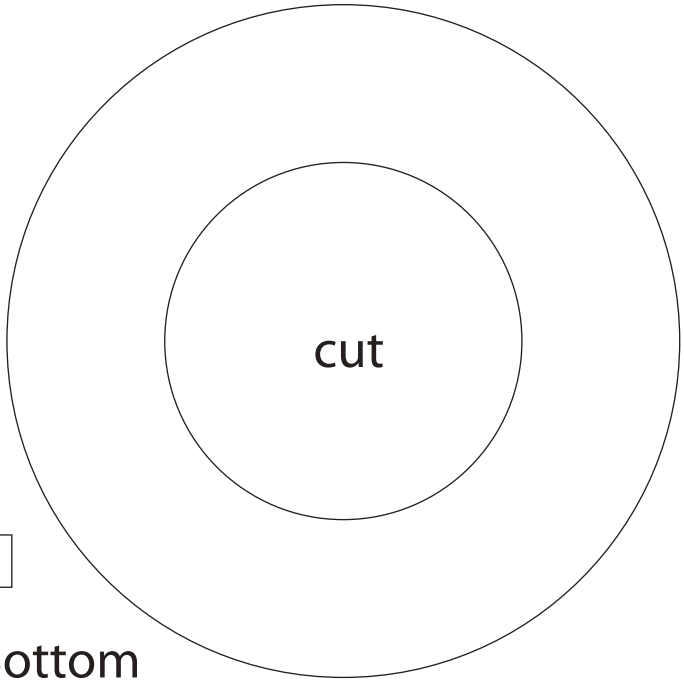
1:100 Scale

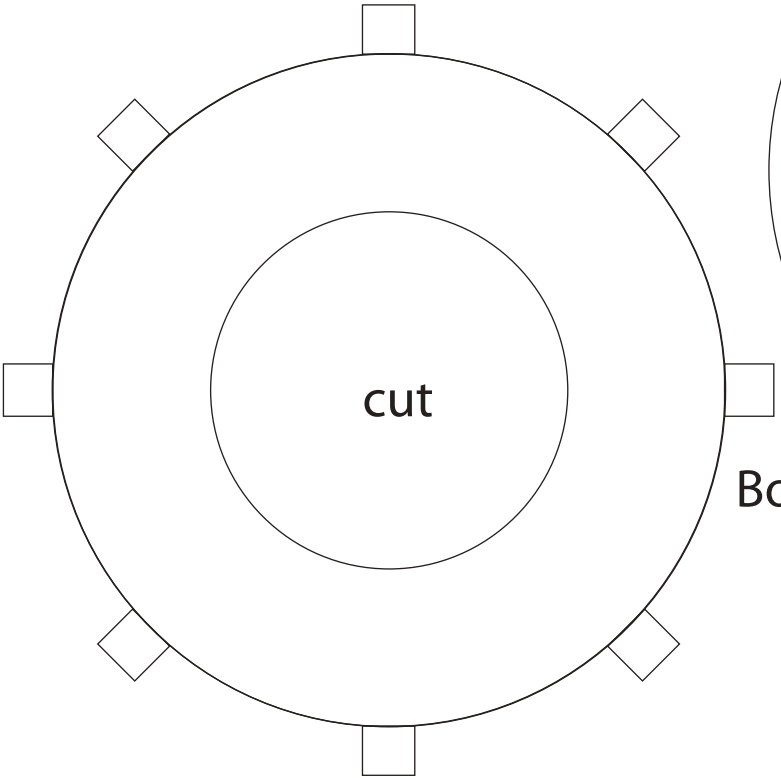
Formers bottom section

Top









Bottom

IMPORTANT

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

Bottom former is replaced by engine floor former.

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Booster v3

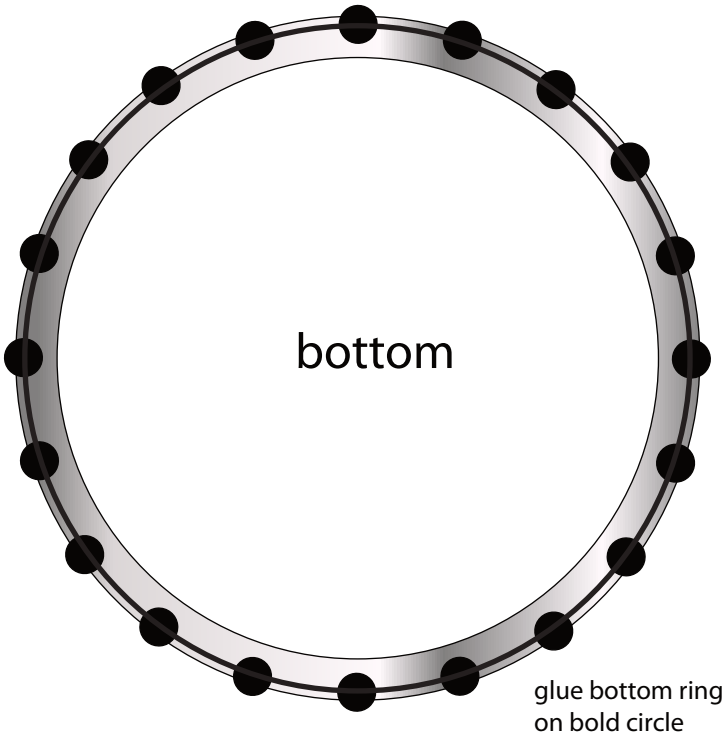
Print on Cardstock (110 lbs)

1 cm

1 inch

1:100 Scale

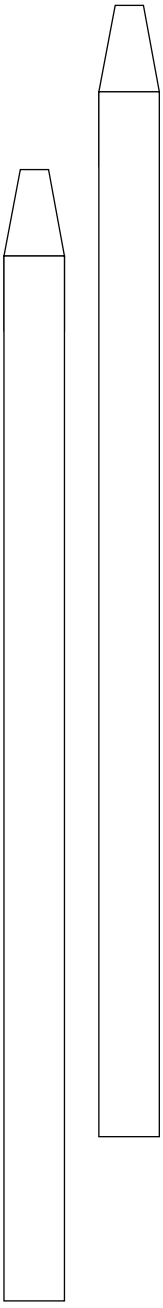
Use with Simple Engine section version

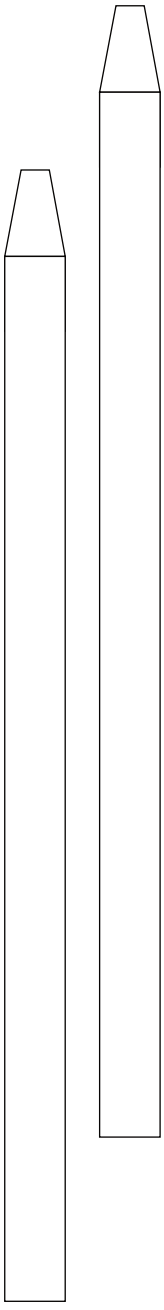


glue bottom ring on bold circle

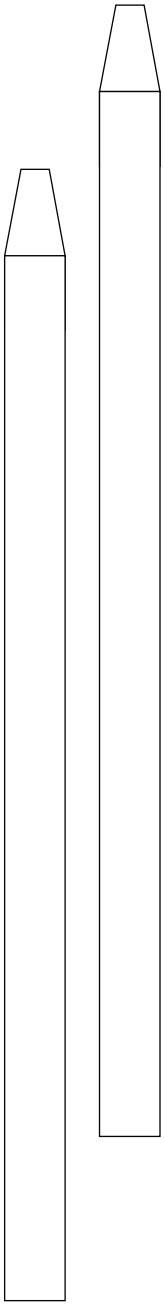


glue top ring on bold circle





Use with engine floor from InkFinger file



glue top ring on bold circle on InkFinger's engine floor top

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1:100 Scale

1 cm

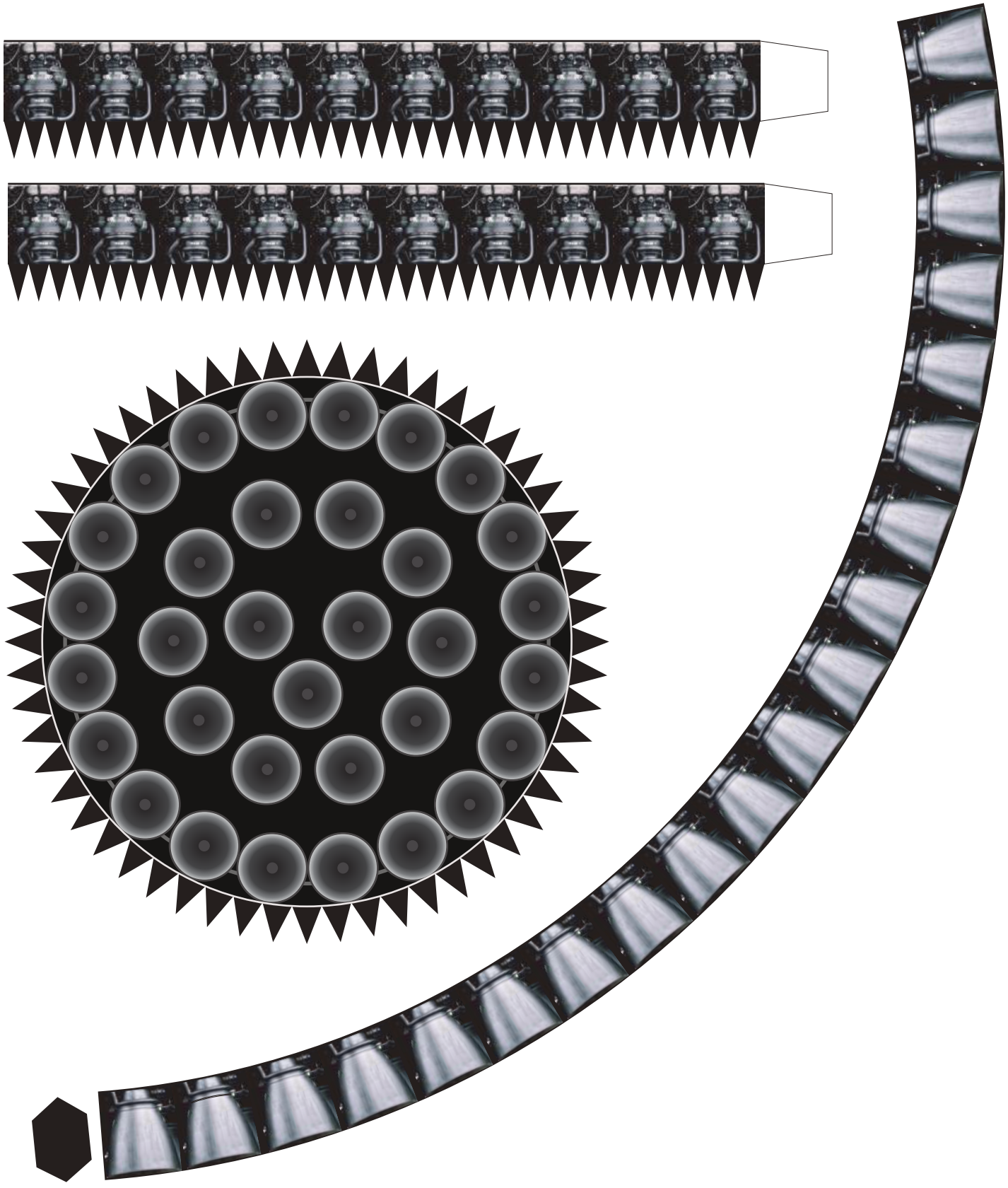
1 inch

Booster v3

Raptor engine block

Print on Cardstock (110 lbs)

Simple version



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1:100 Scale

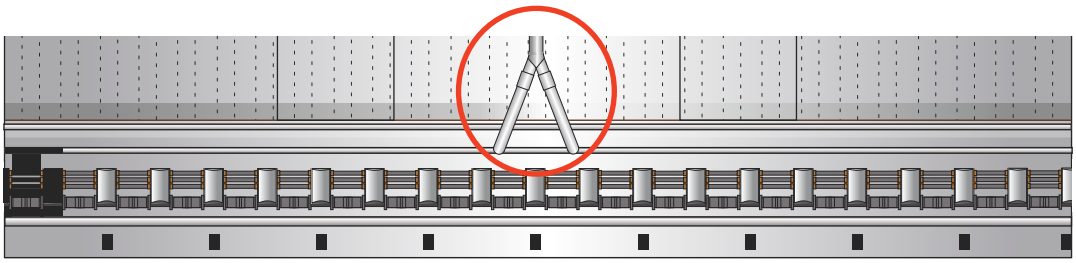
1 cm

1 inch

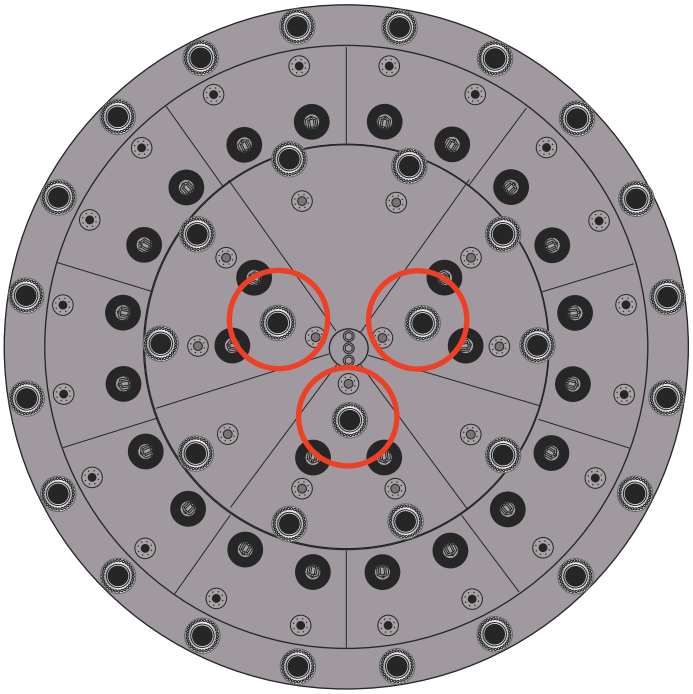
Booster V3

Print on Cardstock (110 lbs)

Engine floor Alignment







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SPACEX

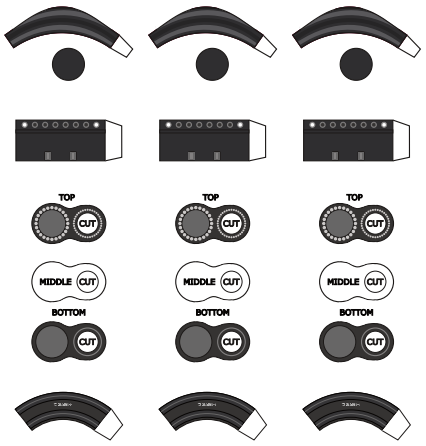
B20 RAPTOR 3

1 inch
1 cm

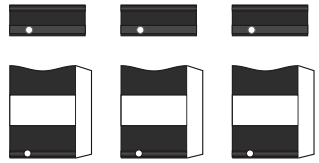
InkFinger CardModels
1:100 Scale

AXM Paper Space Scale Modeling

LOX Side & Hot Gas Manifold



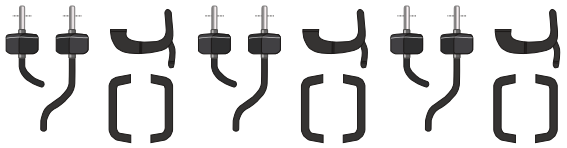
Ch4 Side



Gimble Supports

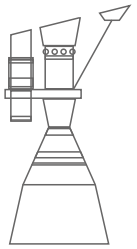


Engine Plumbing

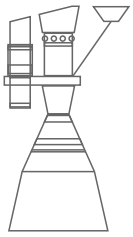


*Extra

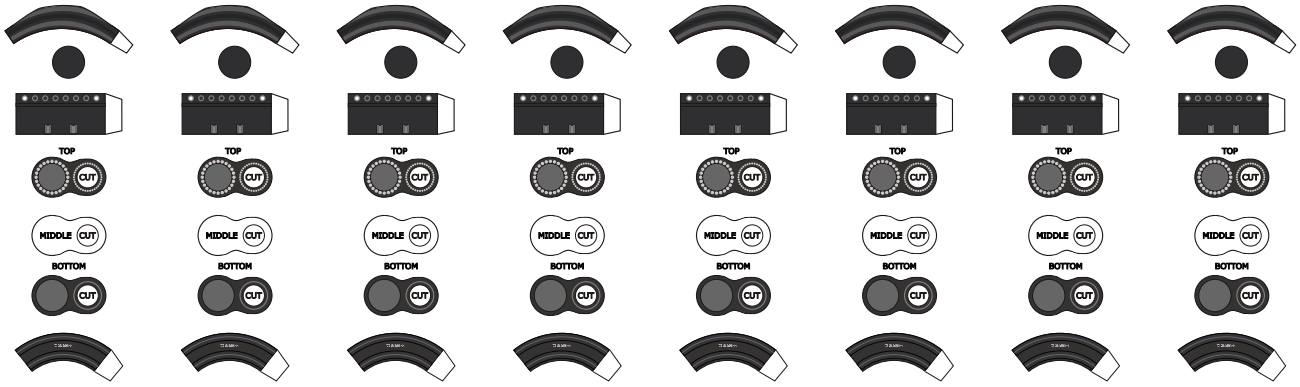
Center 3 Engines
E1-E3



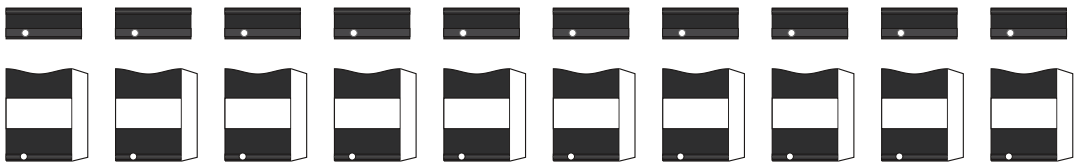
Middle Ring
10 Engines
E4-E13

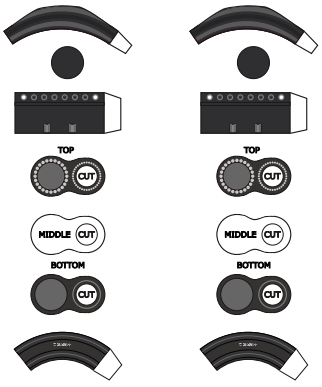


LOX Side & Hot Gas Manifold

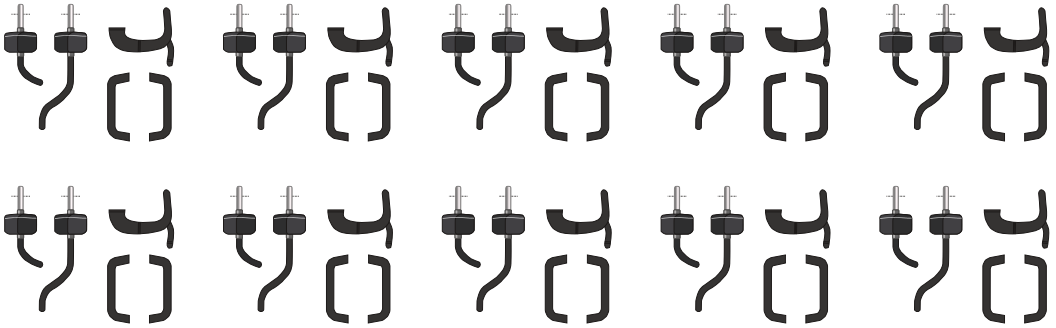


Ch4 Side

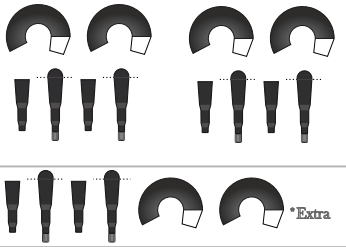




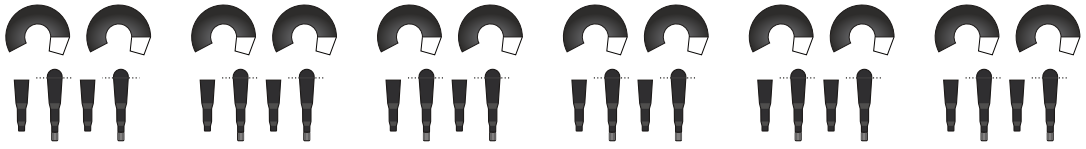
Engine Plumbing

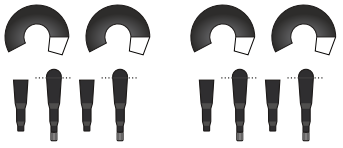


Gimble Supports



*Extra





Raptor 3 design by: Micheal Tesch X@micheal_tesch

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*Print this page on the back of the previos page.

[redacted]

REDACTED

[redacted]

REDACTED

[redacted]

SPACEX B20 RAPTOR 3

1 inch
1 cm

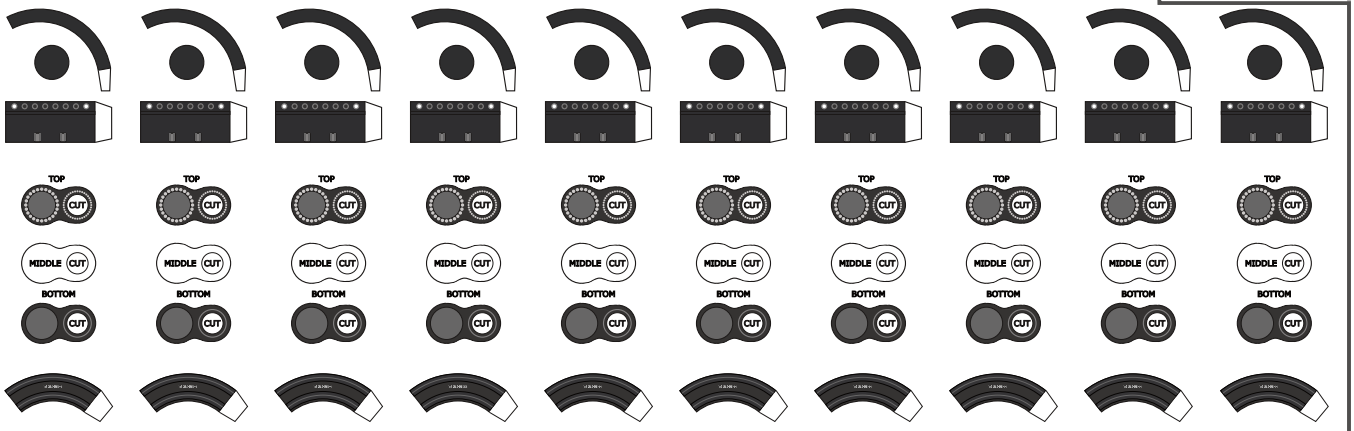
InkFinger CardModels
1:100 Scale

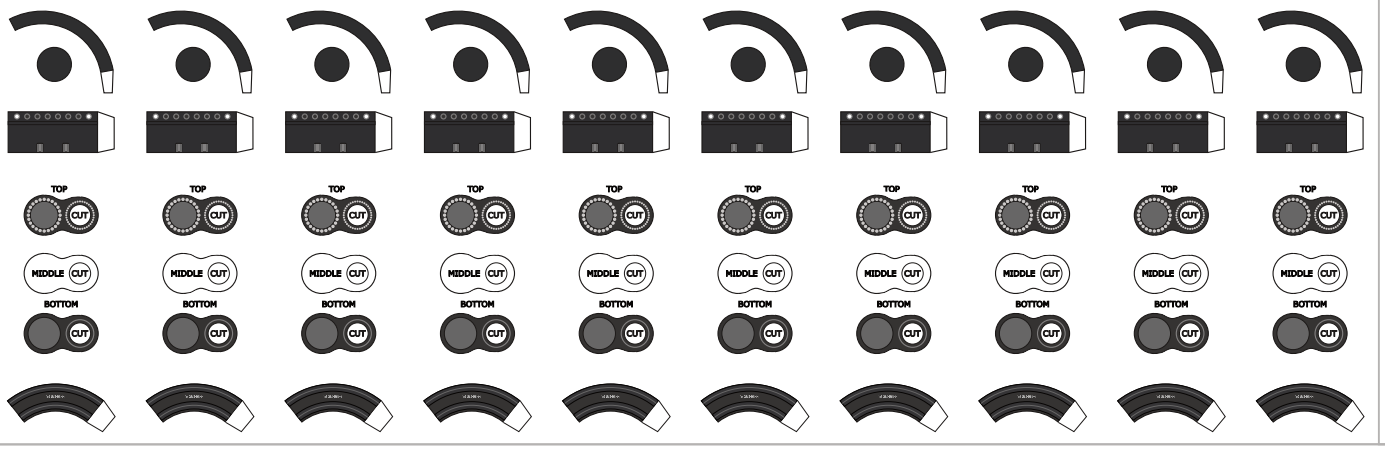
ADM Paper Space Scale Modeling

LOX Side & Hot Gas Manifold

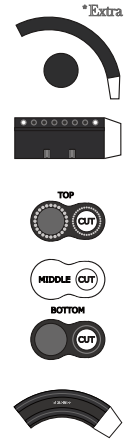
Outer Ring
20 Engines
E14-E33



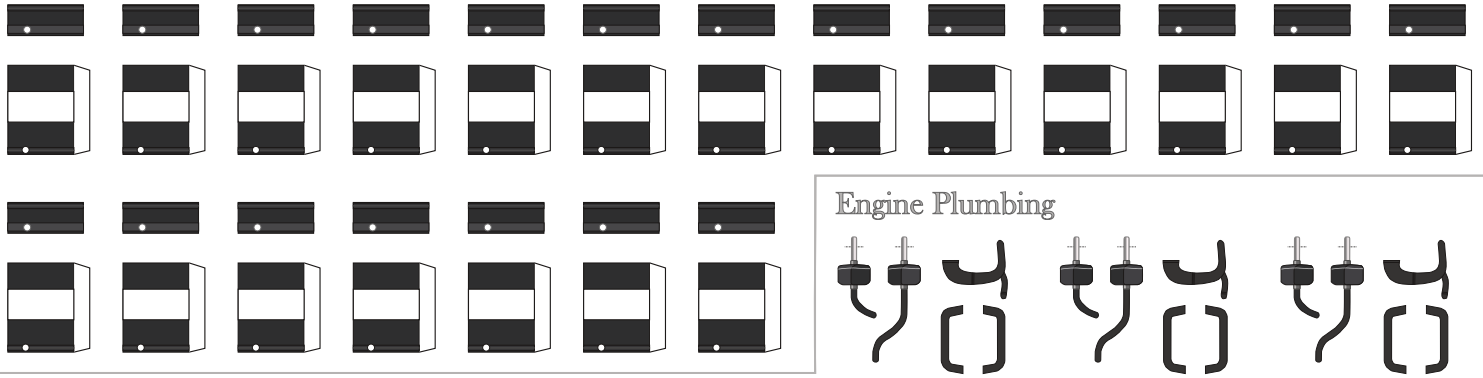




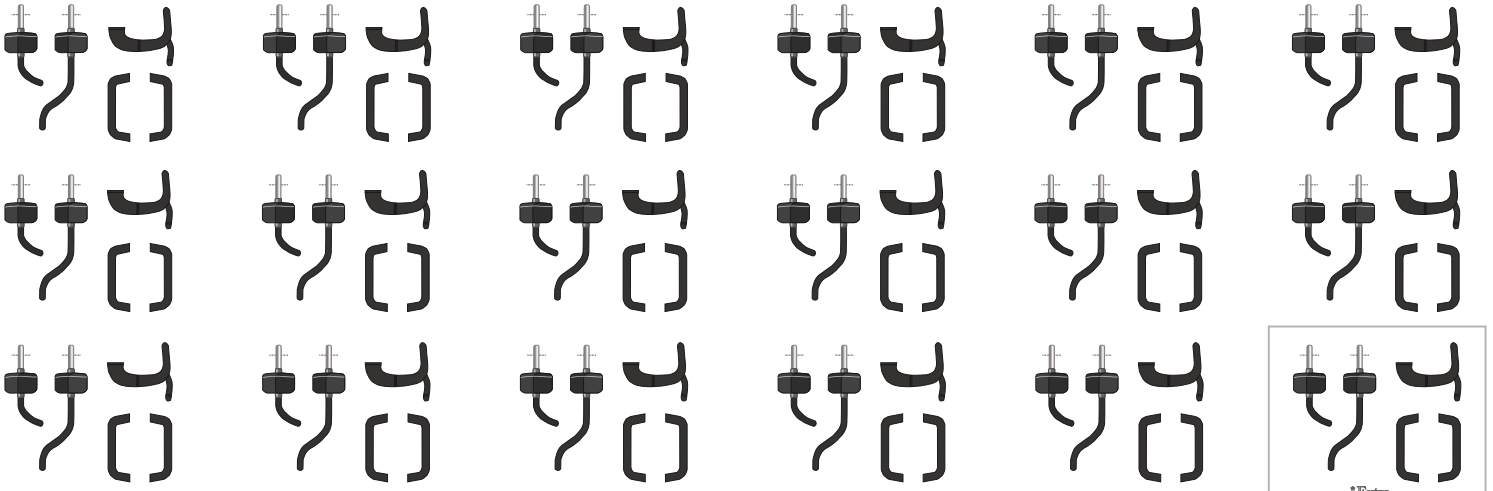
*Extra



Ch4 Side



Engine Plumbing



*Extra

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Raptor 3 design by: Micheal Tesch X@micheal_tesch

*Print this page on the back of the previos page.





REDACTED



InkFinger CardModels

SPACEX

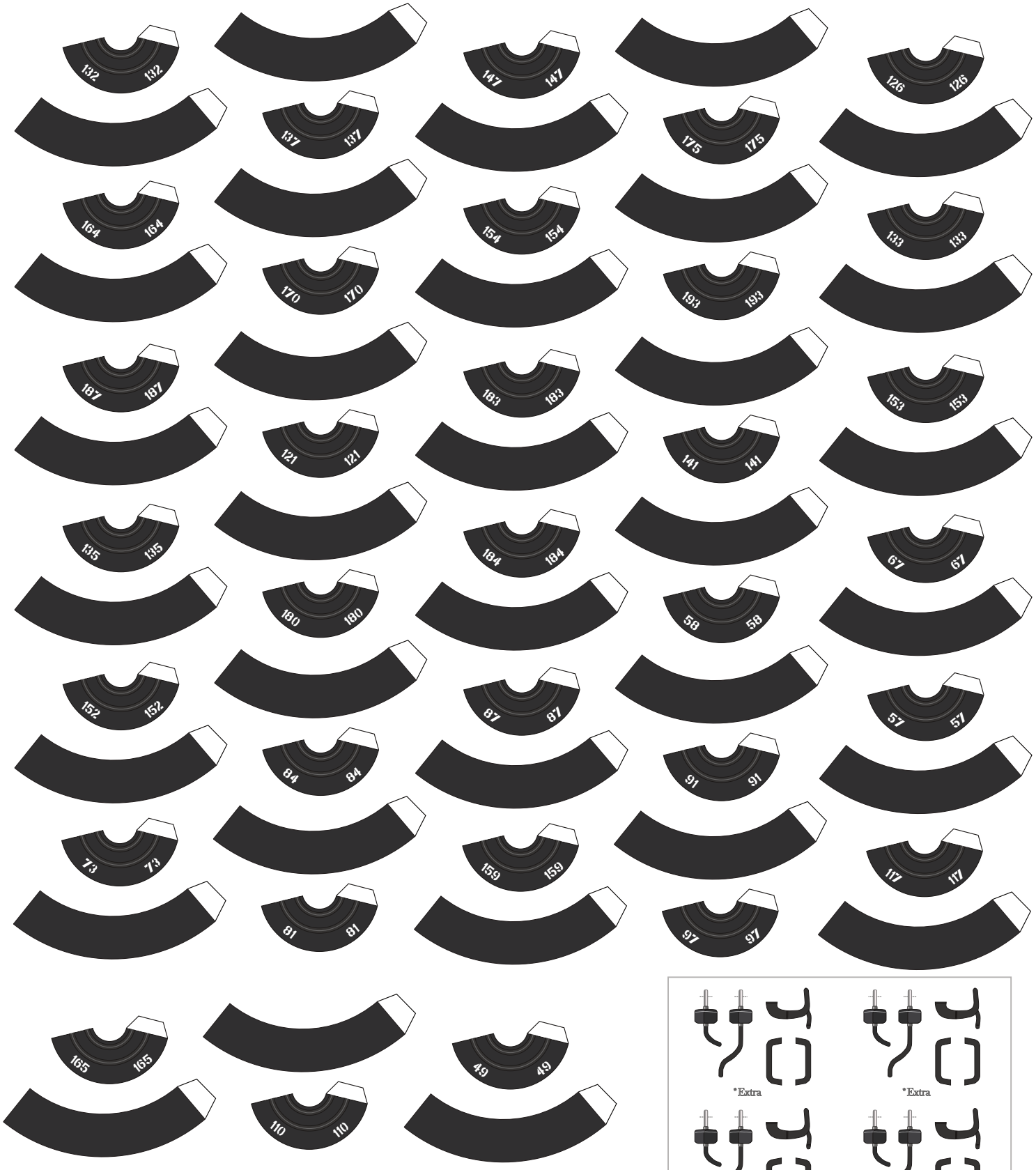
B20 RAPTOR 3

1:100 Scale

1 inch

1 cm

AXM Paper Space Scale Modeling



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Raptor 3 design by: Micheal Tesch X@micheal tesch

*Print this page on the back of the previos page.



REDACTED

InkFinger CardModels

1:100 Scale

SPACEX

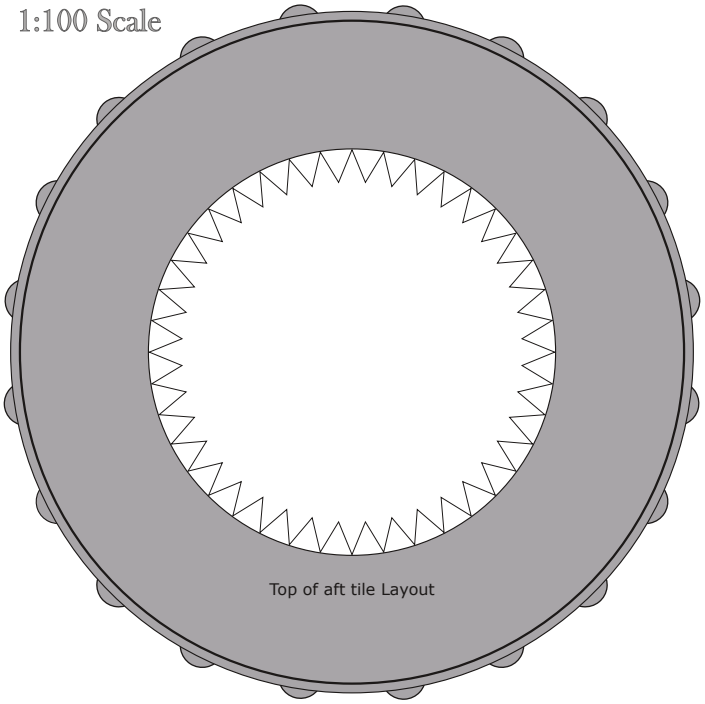
1 inch

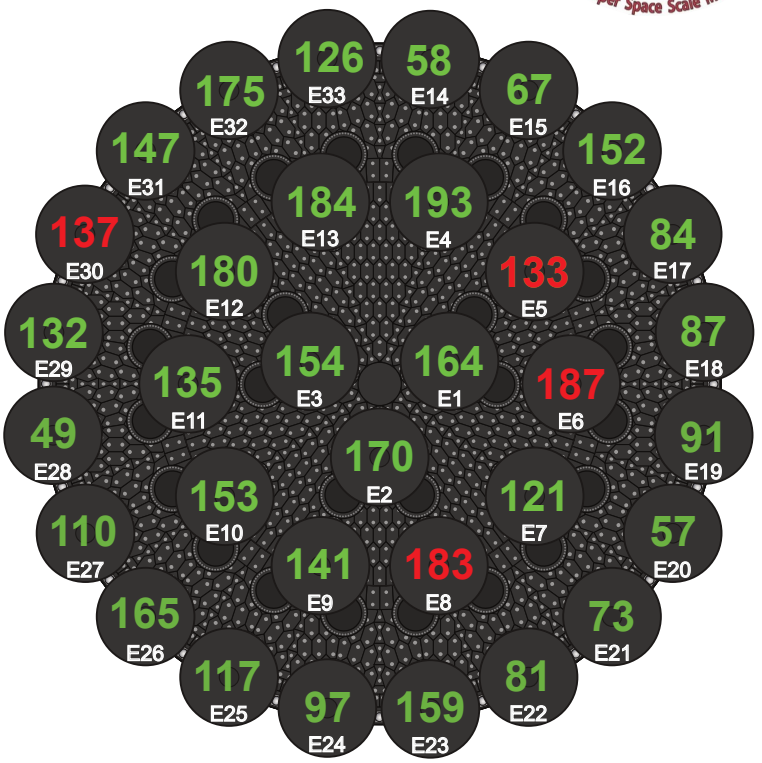
1 cm

AXM Paper Space Scale Modeling

B20 RAPTOR 3

Engine Layout



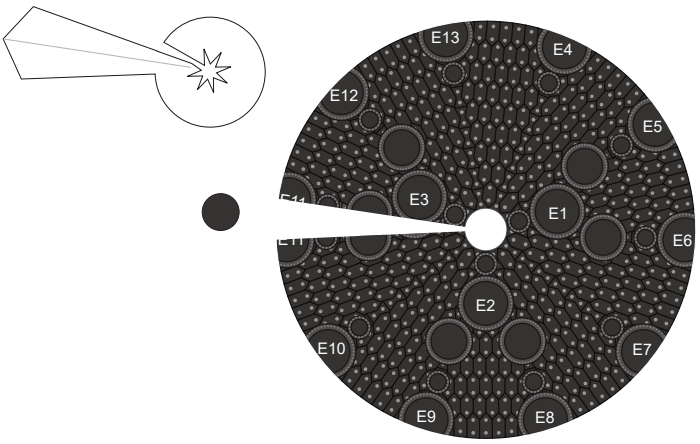


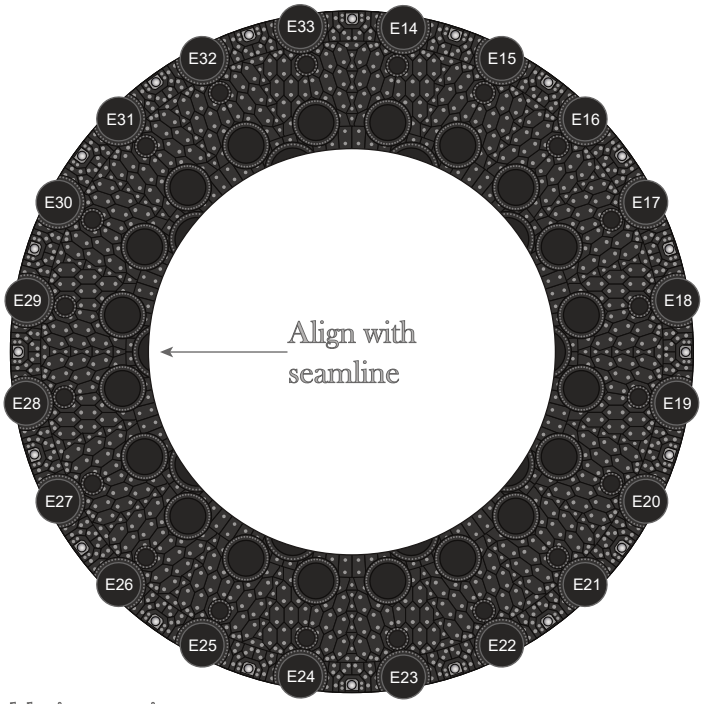
Engine diagram & tile layout based on Chameleon Circuit's render.

X@ChameleonCir

Extra special Thank You! to Chameleon Circuit, TheSpaceEngineer & the Ringwatchers crew for archive photos, RSN tracking, & overall intellect on Starship & rockets in general. Thank you guys!

4 RSNs Unconfirmed, deduced via process of elimination





*Please refer to the Raptor 3 Assembly Manual for assembly instructions.

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Raptor 3 & Aft Tile Layout by: Micheal Tesch X@micheal_tesch