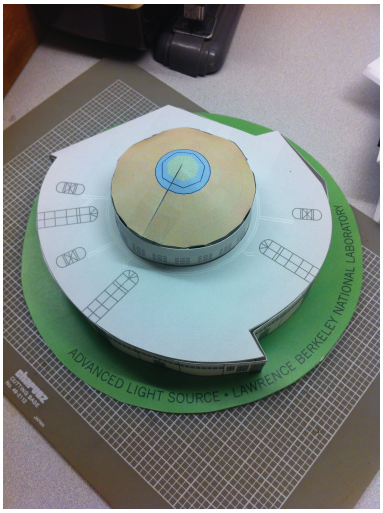
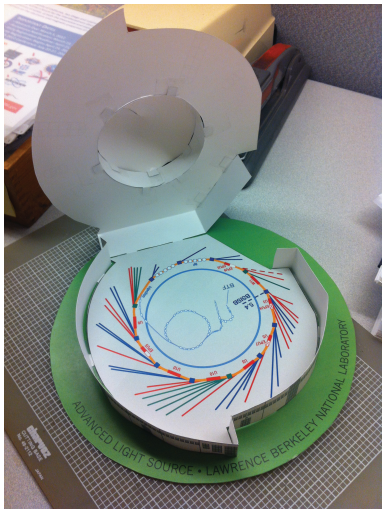
Advanced Light Source Papercraft Model

www-als.lbl.gov

A fully rendered model of the Advanced Light Source building at Lawrence Berkeley National Lab. When complete, the top of the model hinges open to reveal illustration of the main components of the ALS including the accelerator and the beamlines, where experiments are done.





What you'll need

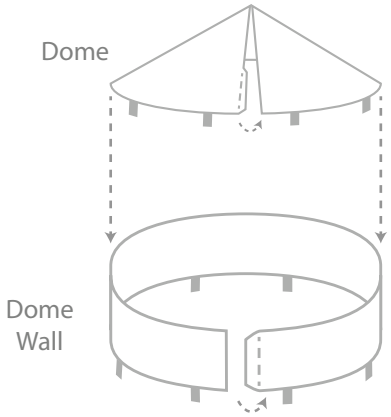
- Scissors
- Tape or glue

How to Make It

Dome: Affix the long tab to the underside of the adjacent wall, forming a cone, then bend the tabs under.

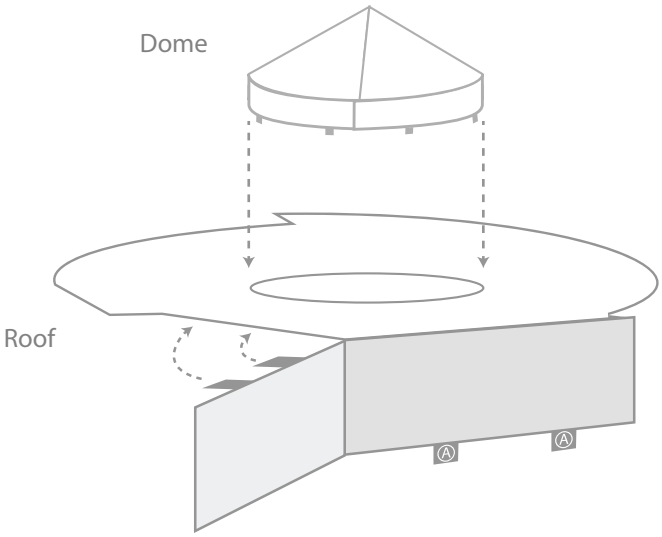
Dome Wall: Form the wall into a circle. Affix the long tab to the underside of the opposite end of the wall.

Fit the **Dome** over the **Dome Wall** and affix the tabs to the insides of the **Dome Wall**.



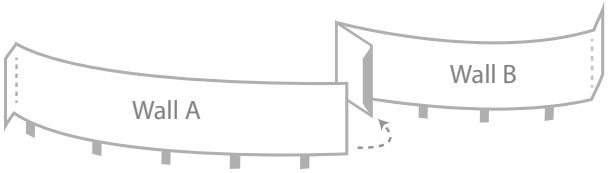
Roof: Fold blue wall and tabs as shown. Affix short wall tabs underneath **Roof** as shown.

Place the **Dome** on the top of the **Roof**. Affix the tabs to the underside of the **Roof**.



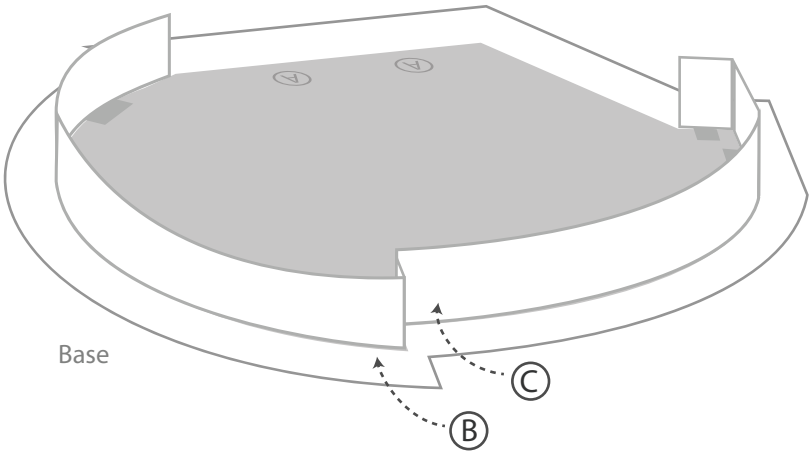
Walls: Fold the **Walls** as shown in the diagram.

Join the two parts of the **Wall** together at the long tab, **Wall A** on top of **Wall B**. Fold the short tabs underneath.



Base: Starting at point **B**, align the **Wall** to the inside of the shaded area.

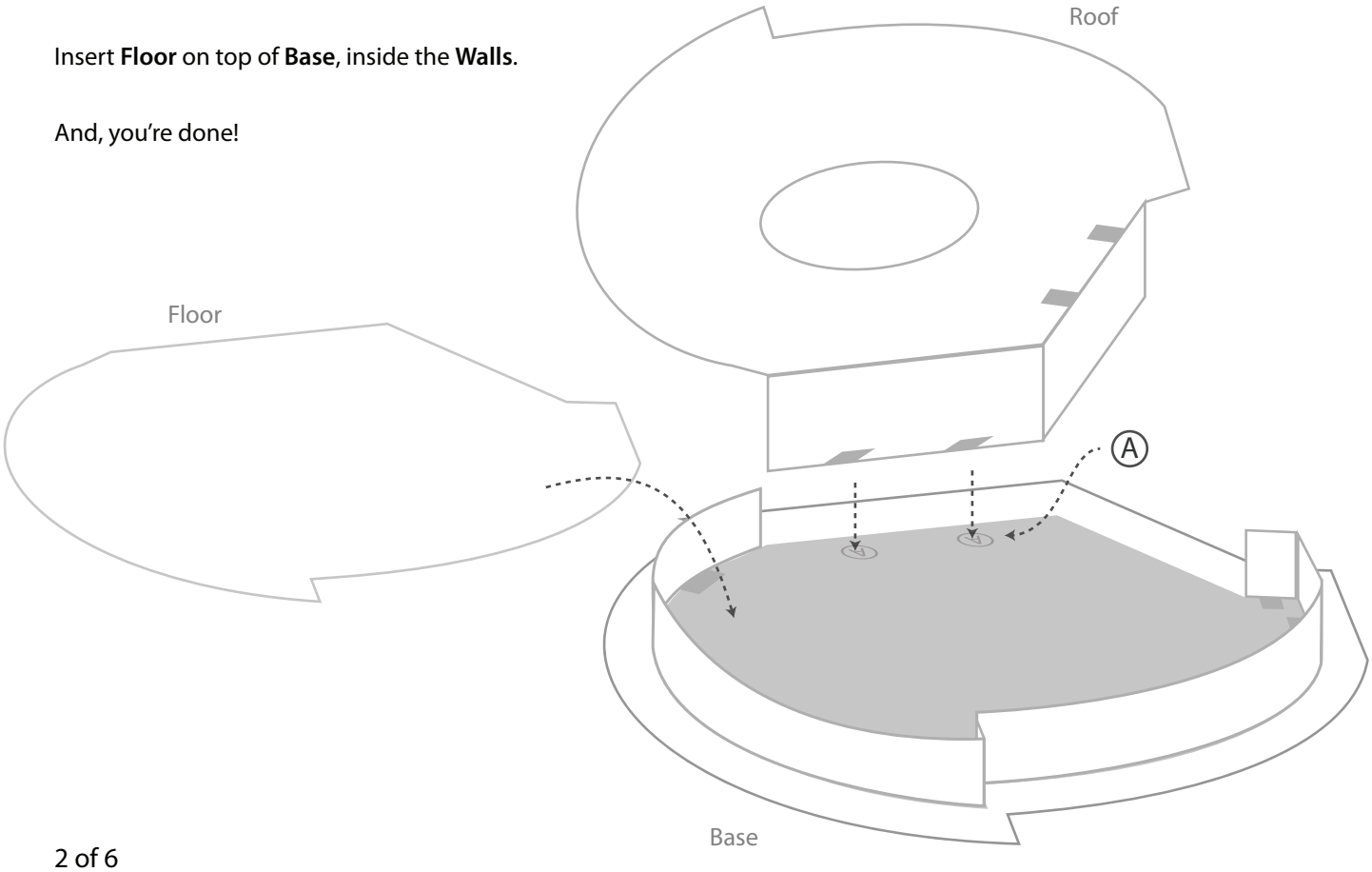
Working along the edge of the shaded area, start affixing the **Wall** tabs to the **Base**.



Attach **Roof Wall** tabs to **Base** at Point A, aligning the wall along the shaded area.

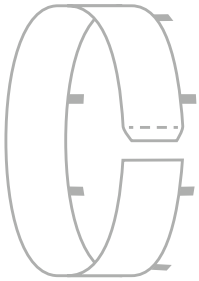
Insert **Floor** on top of **Base**, inside the **Walls**.

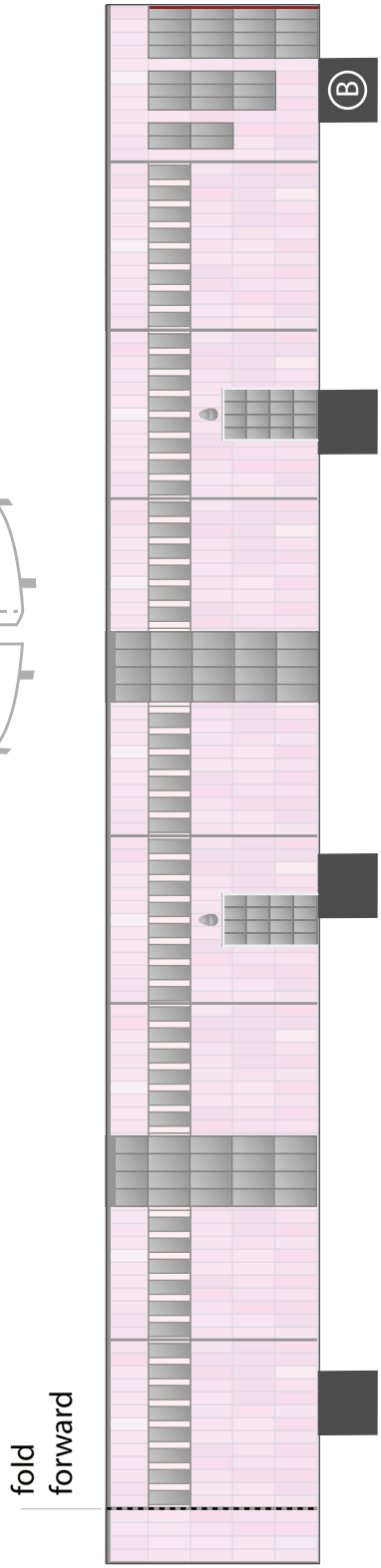
And, you're done!

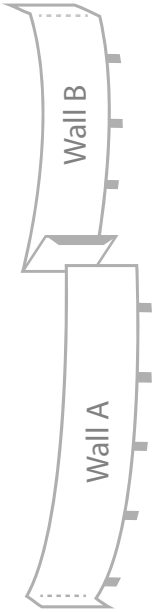


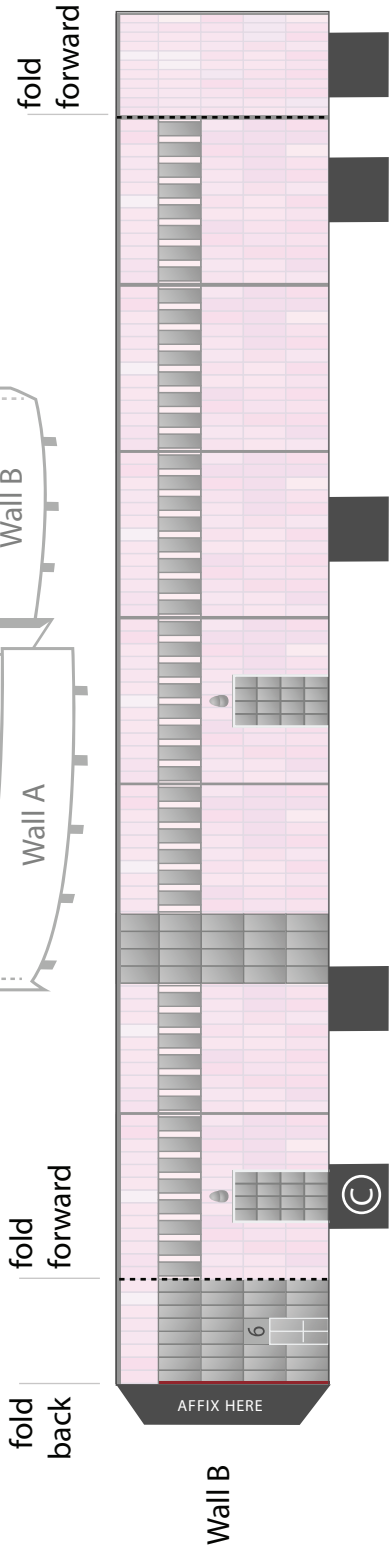
Dome Wall

Walls

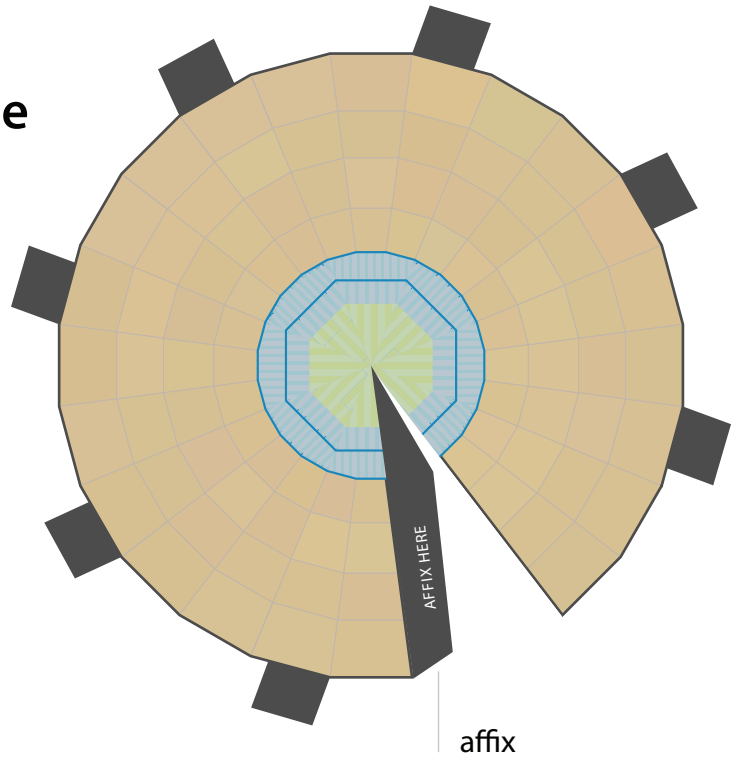


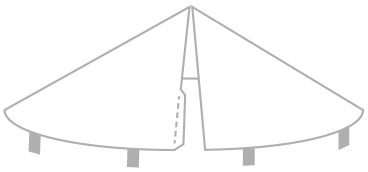




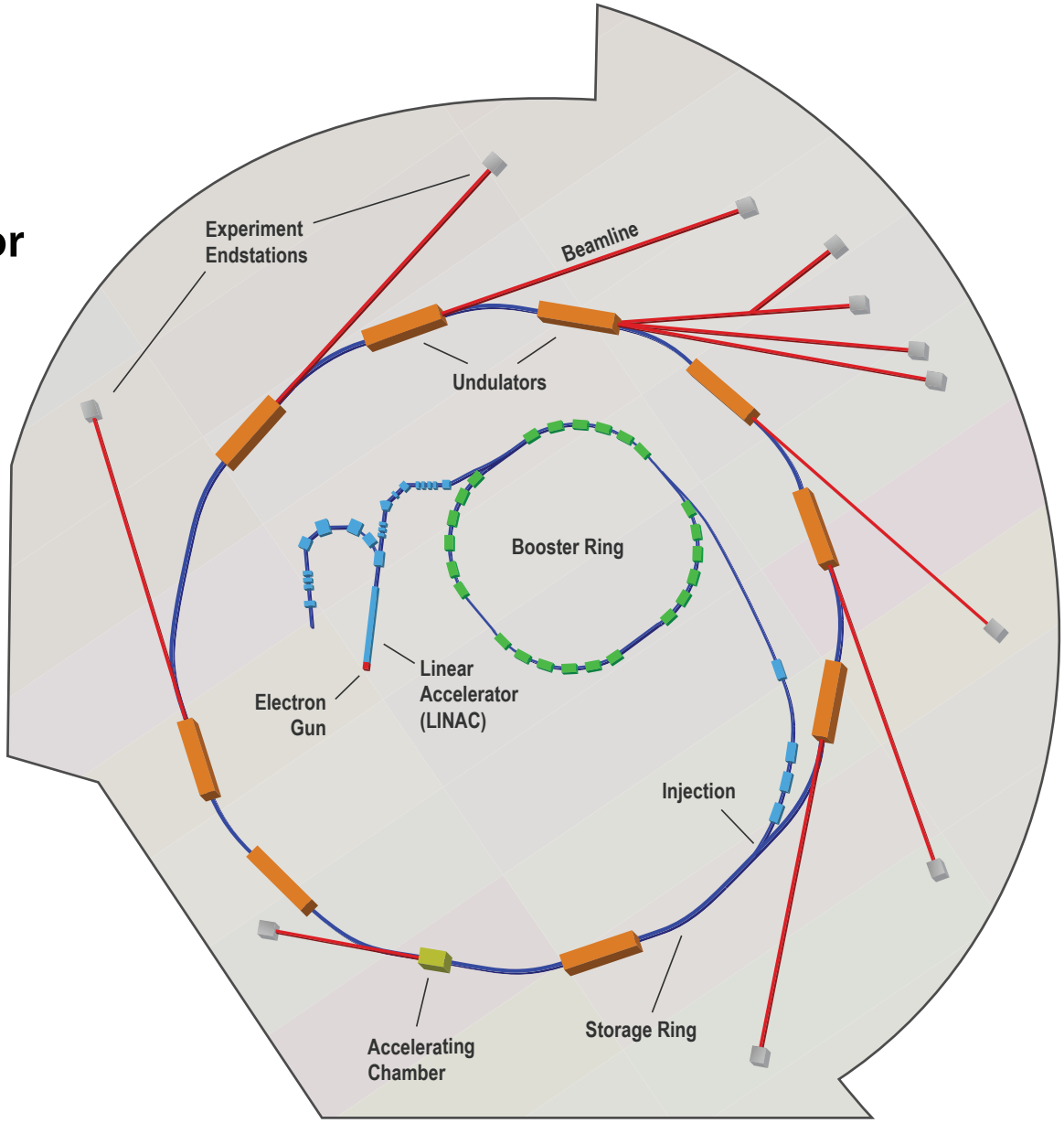


Dome

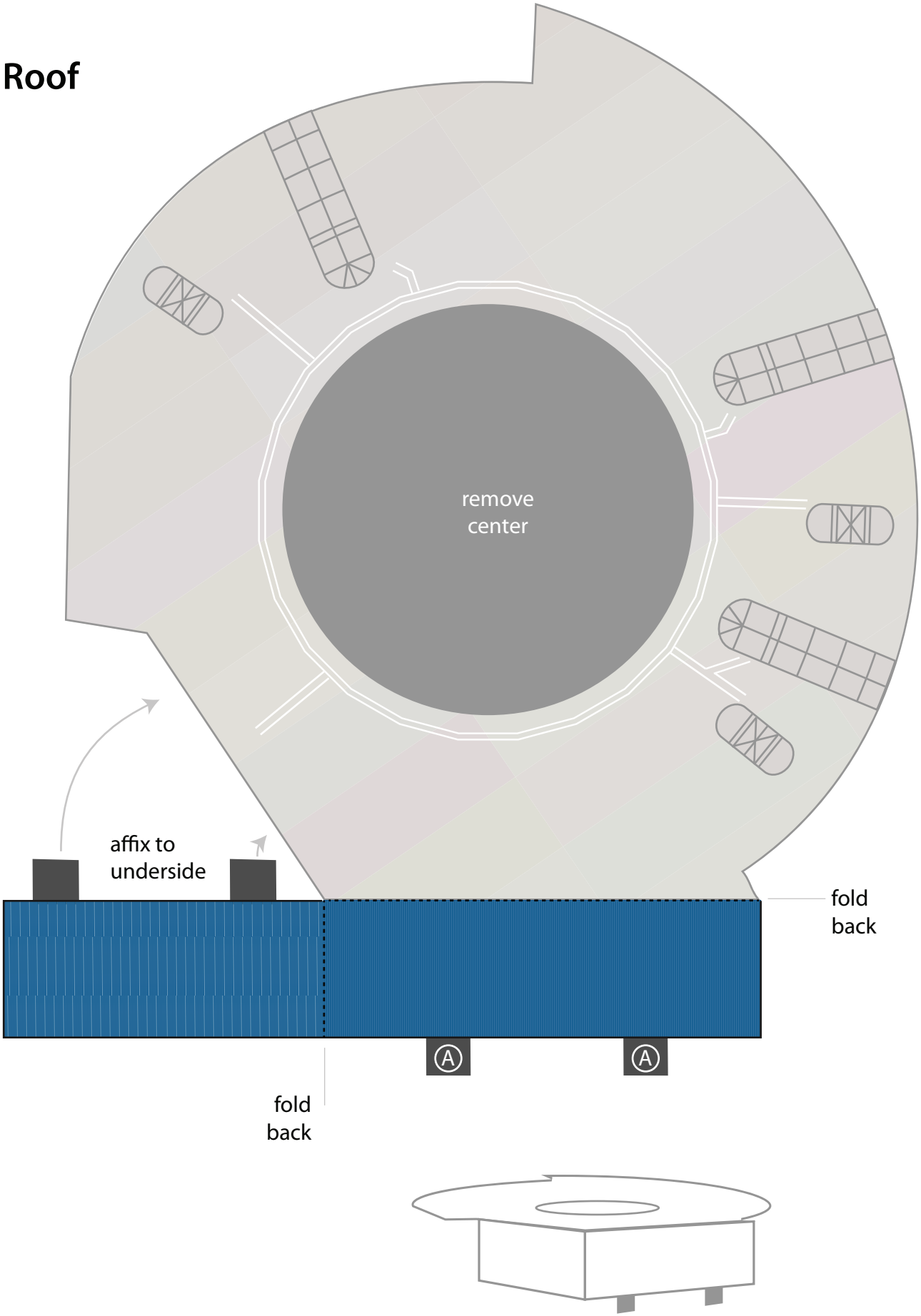

AFFIX HERE
affix



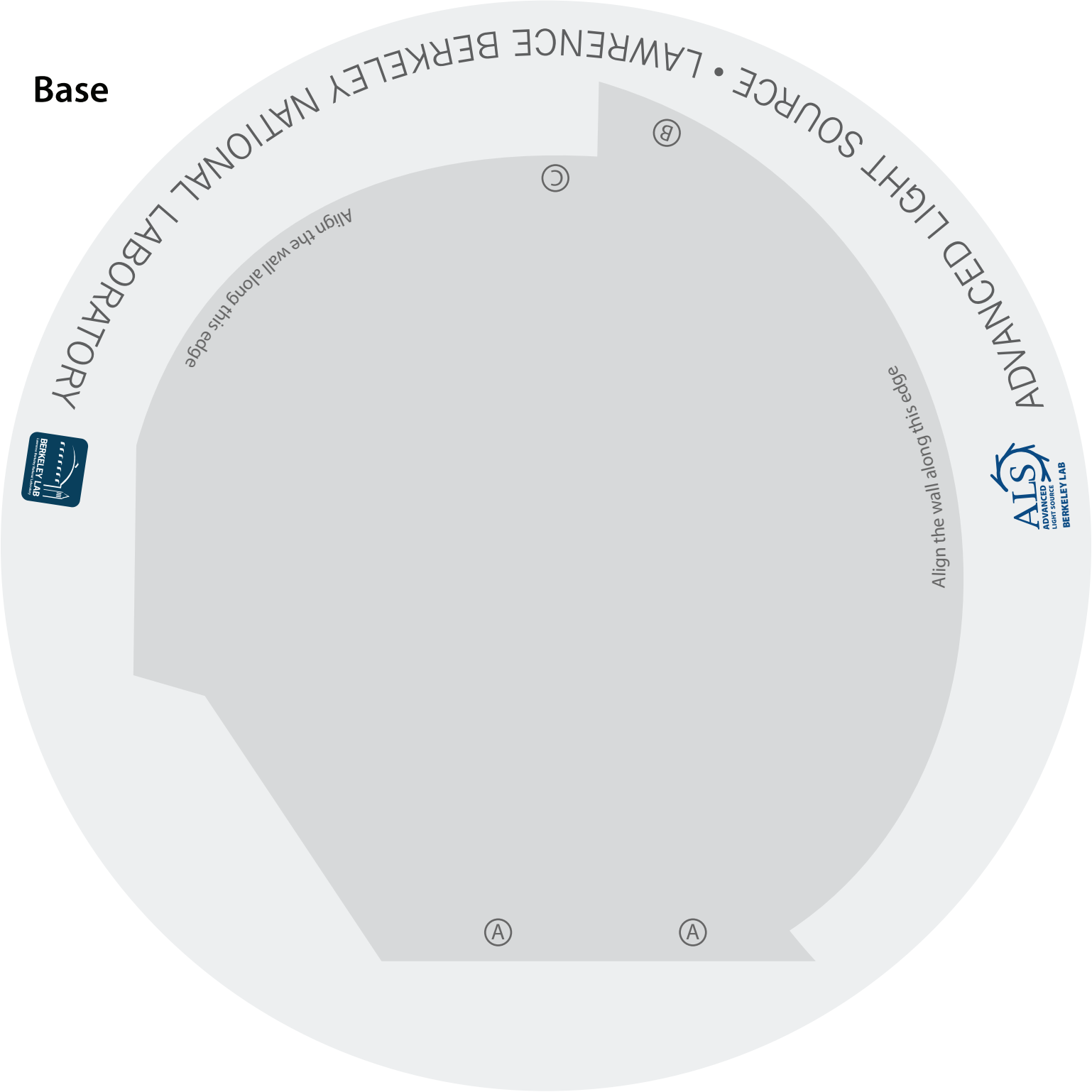
Floor


Experiment
Endstations
Beamline
Undulators
Booster Ring
Linear
Accelerator
(LINAC)
Electron
Gun
Injection
Storage Ring
Accelerating
Chamber

Roof



Base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Align the wall along this edge
Align the wall along this edge
A
A
B
C