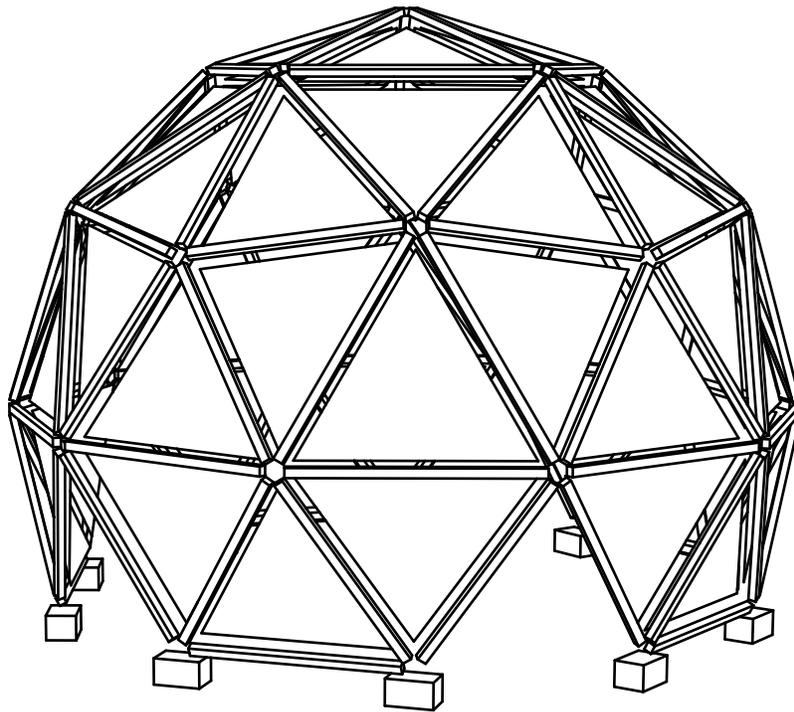


**UP
HERE**



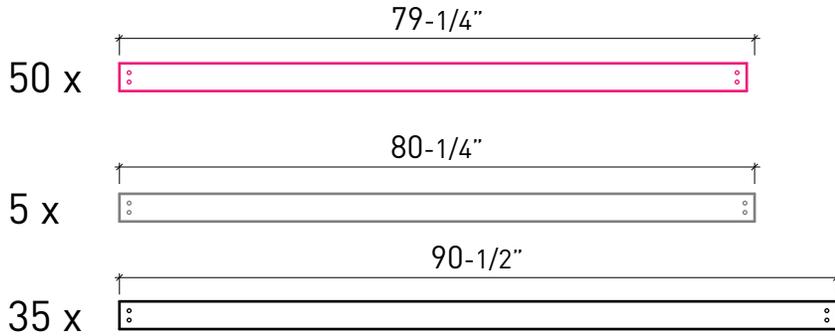
GEODESIC DOME

CONSTRUCTION MANUAL

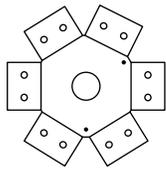
Prepared by :
Benoit Lachapelle

For any assembly advice, please contact Ben at
613.552.5909 or benoit.lachap.bl@gmail.com

MATERIALS



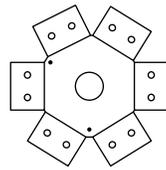
Make sure to separate the 5 silver ended wood member.



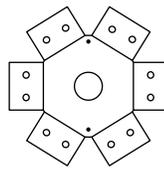
A

6 members - Steel plate connection

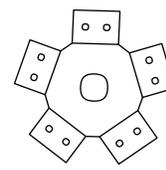
*The dots are drawn on the steel plates and must first be separated.



B



C



5 members
Steel plate connection

TOOLS



Door height Scissor lift is strongly recommended for a very efficiency assembly.

Dome height is approx. 22ft

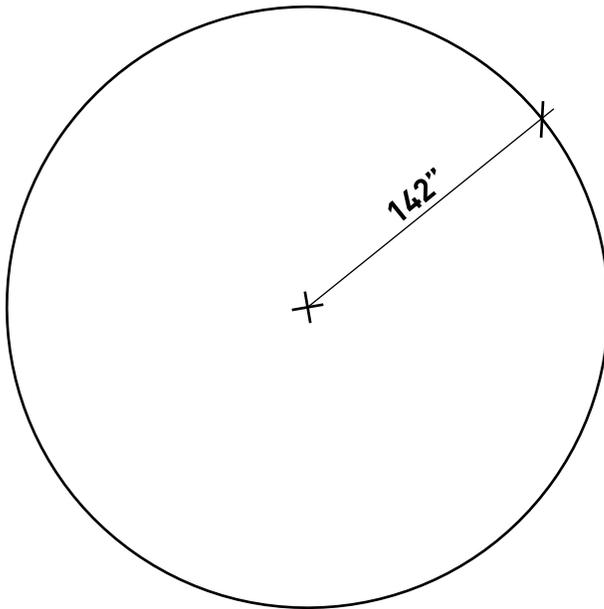


Socket set & Wrench
9/16"



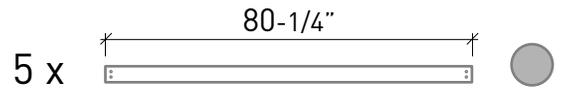
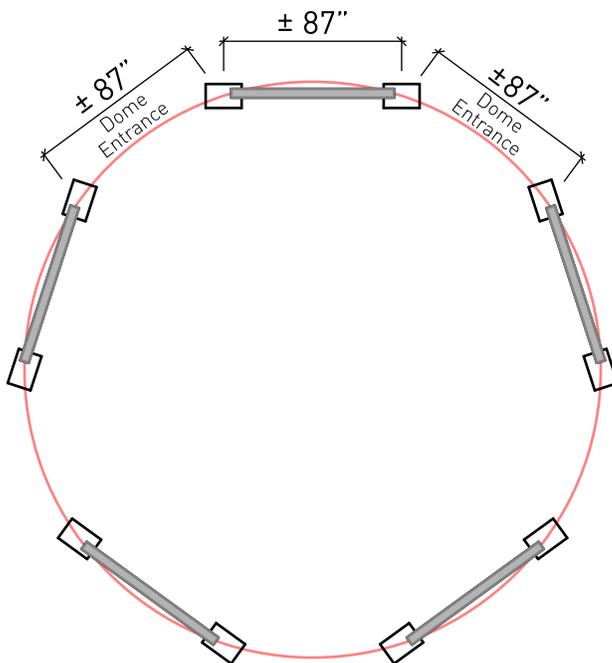
Bolt, Nut & Washer
9/16"

1



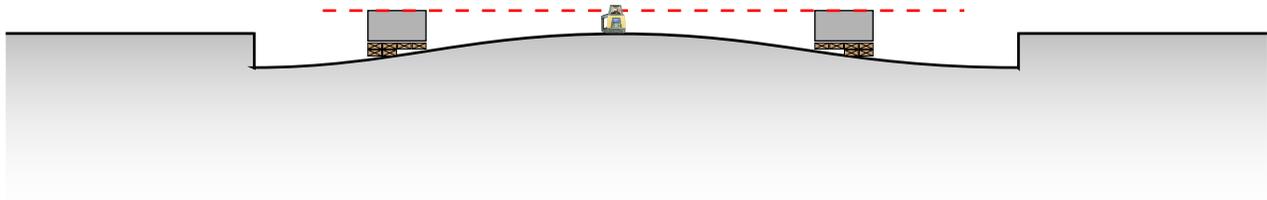
Use a chalk and a measuring tape to have an approximate circle.

2



Use a chalk and a measuring tape to have an approximate circle.
Place the concrete blocks at approx. 87" along the circle & place the 5 silver wood members

3

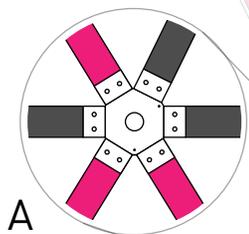


Laser level to be placed at the center of the circle. Adjust the height of the each block with pre-cut 2"x4" & plywood

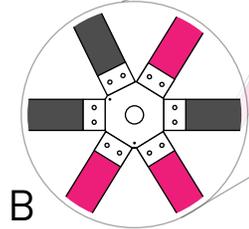
Notes : The slope of a road is very large and the blocks needs to be leveled properly, otherwise the structure will be very difficult to assemble. 1/4" to 1/2" is tolerable.

4

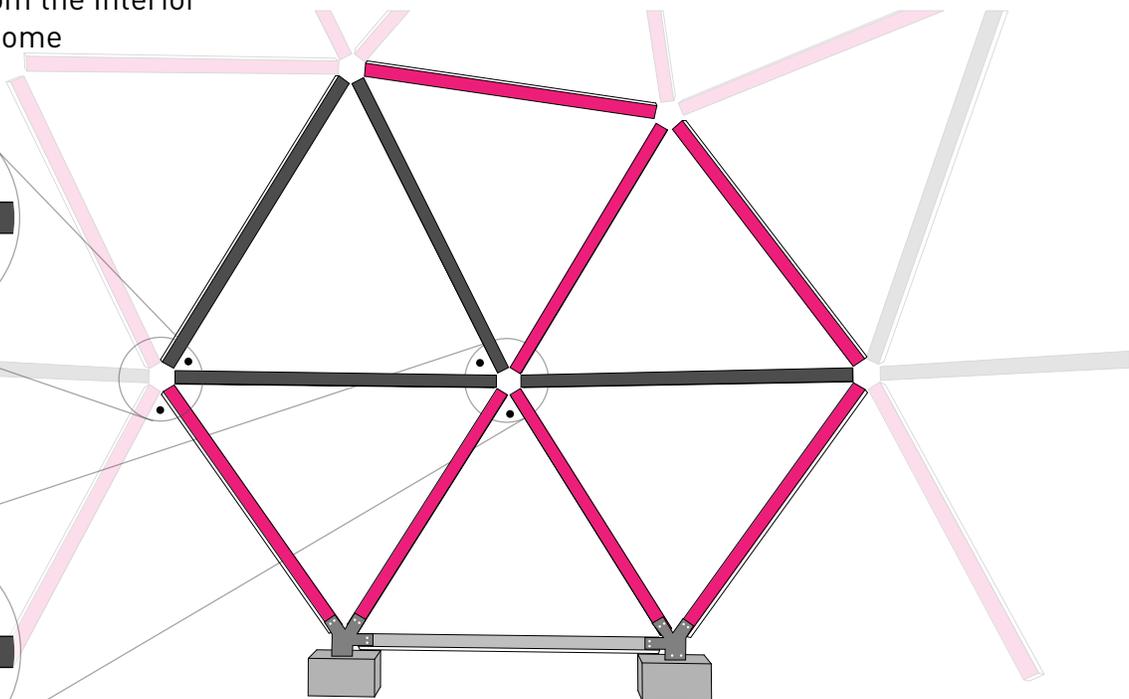
View from the Interior of the Dome



A



B

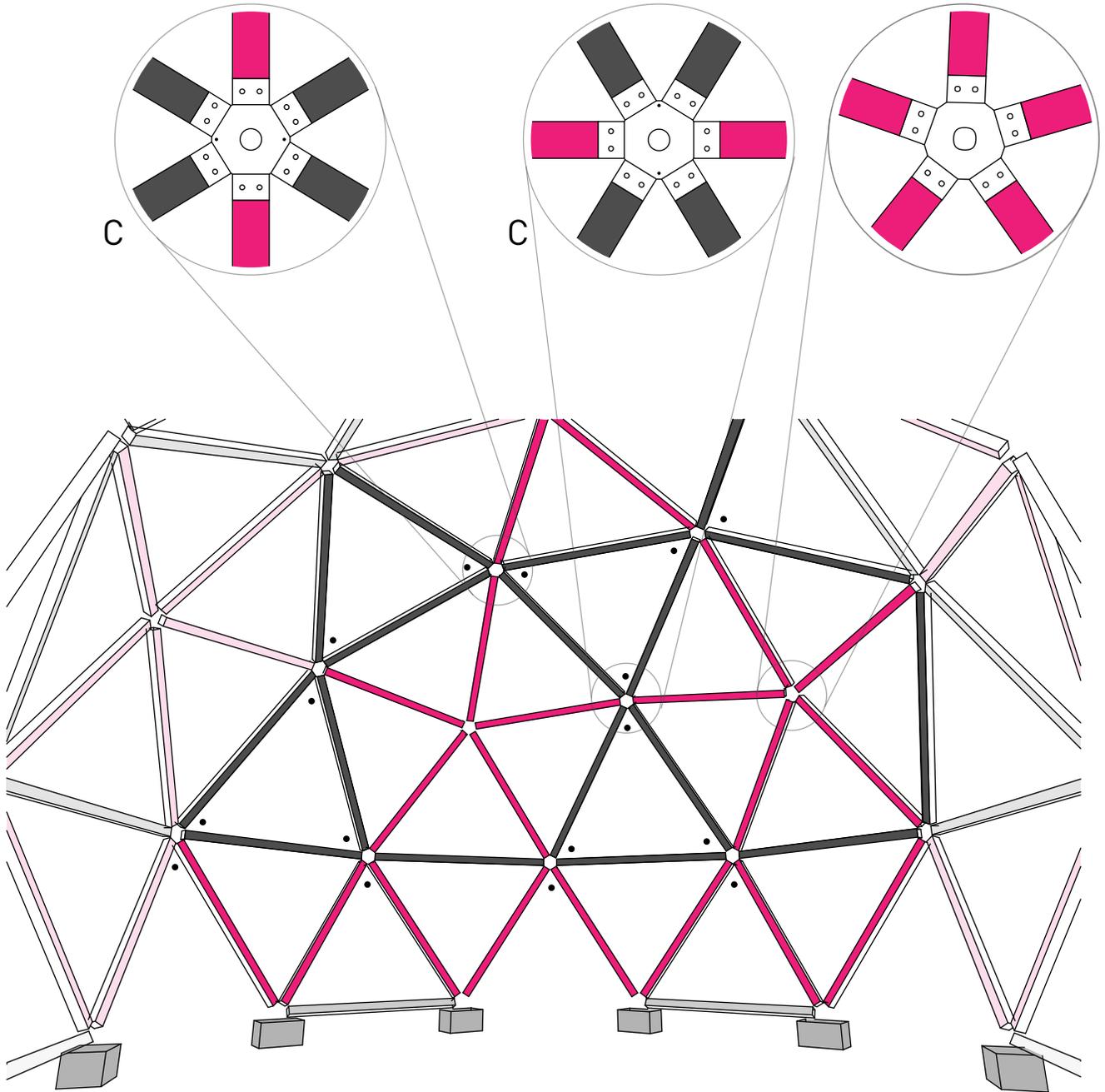


The dots drawn on the plates are showing how to orient the plate as per this drawing.

Notes : Careful attention to the orientation of the plate is crucial for the proper installation of the dome. There are slight differences between Plates A, B & C.

5

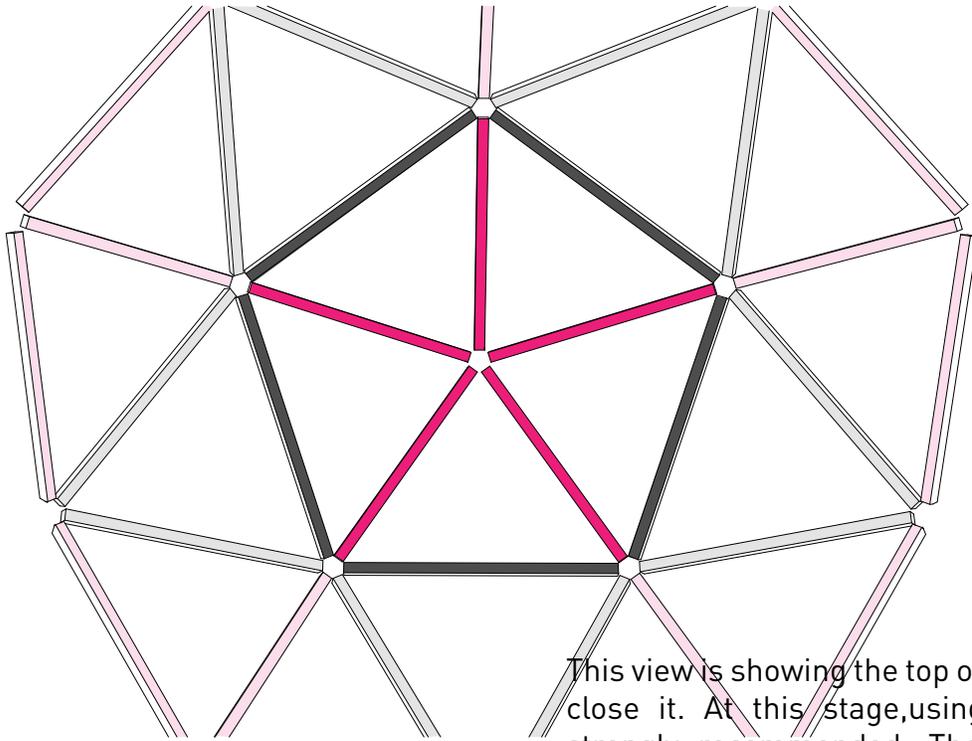
View from the Interior
of the Dome



The dots drawn on the plates are showing how to orient the plate as per this drawing. The orientation of the plate are critical for all the 6 sided plates. At this stage, using the Scissor lif is strongly recommended. The plates are strong enough for the pieces of wood to be left hanging as you continue to connect other pieces together.

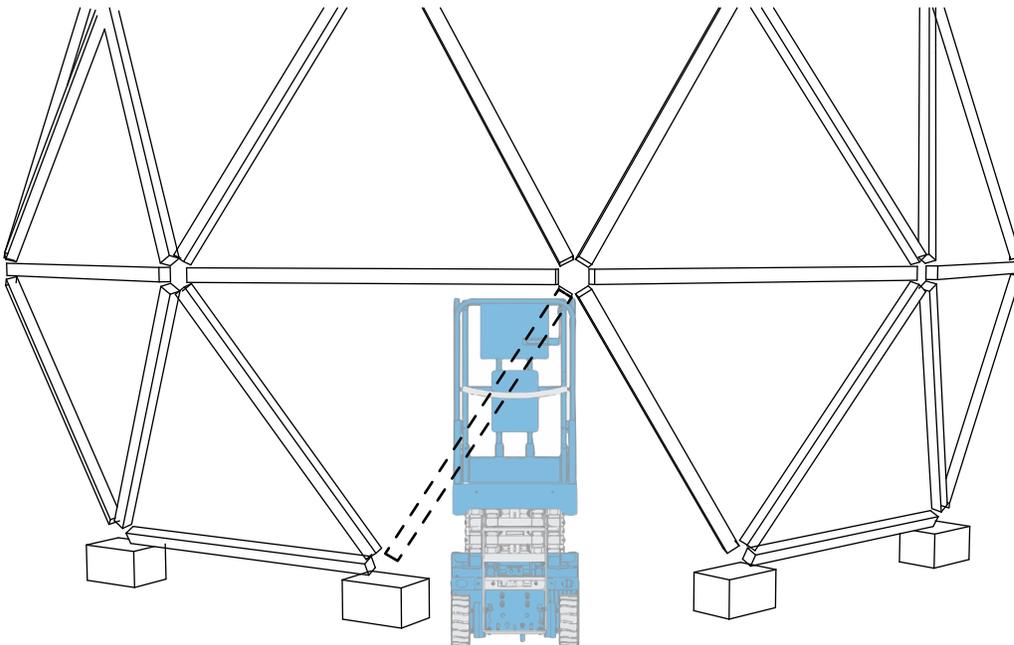
6

View of the top of the dome.



This view is showing the top of the dome on how to close it. At this stage, using the Scissor lif is strongly recommended. The plates are strong enough for the pieces of wood to be left hanging as you will connect other pieces together.

7

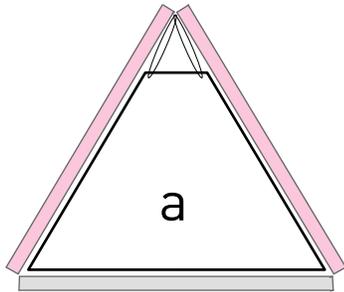


Because the lift is inside the dome, you must remove a wood member of one of the opening to be able to exit the dome with the scissor lift This can only work with a "door frame scissor lift"

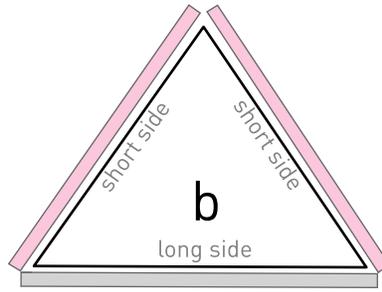
8

Flags

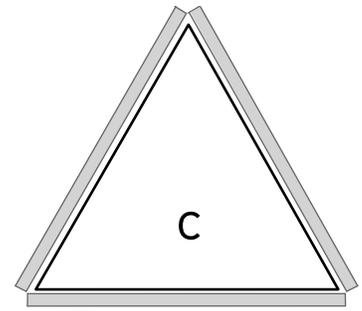
There are 3 different size of flags in the dome.



*Use long tie-wraps on these 5 bottom tarps



**This triangle must be installed with the correct position. It can be very tricky installing these tarps but they all fit appropriately somewhere in the dome.



***Equilateral Triangle, this tarp can be installed in any position

