

Large 8x15 ft Dome Assembly Instructions

You will need:

A wrench or drill with a 7/16" socket for tightening the bolts

Rubber coated knit gloves (\$3 gloves at Walmart or any Hardware store)

At least 15 foot diameter circle of space indoors or outdoors

Assembly Time:

5 hours for one person

3 hours for two people

These instructions can be downloaded at

<http://www.domeclimber.com/8ft.pdf>

Please contact me if you have any questions

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8 ft Dome Climber

Contents

80 green tip pipes

55 blue tip pipes

30 red tip pipes

25 blue or white hubs

5 orange 6pt hubs

1 orange 5 pt hub

15 green or yellow 4pt hubs

10 purple or pink 6pt hubs

250 bolts and nuts

The pvc pipe tip should be attached to the bolt by fitting the hole in the pvc pipe tip over the bolt on the hub. The side with the ink and blue, green or red mark should face towards the inside of the dome. Then a single nut can be used to secure the connection. At first just hand tighten the nut, then after the entire dome is together each bolt should be tightened firm with a hand dill or ratchet. Wearing a snug pair gloves is recommended for tightening the nuts by hand.

There are 6 levels.

- The first level is the ground level where all the green hubs will be used.
- The second level uses all blue hubs
- The third level uses the five red hubs and the ten blue hubs.
- The fourth level uses the ten purple hubs.
- The fifth level uses the five six point orange hubs.
- The top apex uses the one five point orange hub.

	Pipes	Hubs
# Step 1	10 green tip pipes & 5 blue tip pipes	15 green hubs
# Step 2	10 blue tip pipes	
# Step 3	20 green tip pipes	15 blue hubs
# Step 4	5 blue tip pipes	
# Step 5	10 green tip pipes	
# Step 6	10 blue tip pipes	
# Step 7	10 red tip pipes	5 red hubs
# Step 8	10 green tip pipes	10 blue hubs
# Step 9	10 red tip pipes	
# Step 10	5 blue tip pipes	
# Step 11	5 red tip pipes	
# Step 12	10 blue tip pipes	5 purple hubs
# Step 13	10 green tip pipes	5 purple hubs
# Step 14	10 green tip pipes	
# Step 15	5 blue tip pipes	
# Step 16	10 green tip pipes	5 orange 6pt hubs
# Step 17	5 blue tip pipes	
# Step 18	5 red tip pipes	1 orange 5pt hub

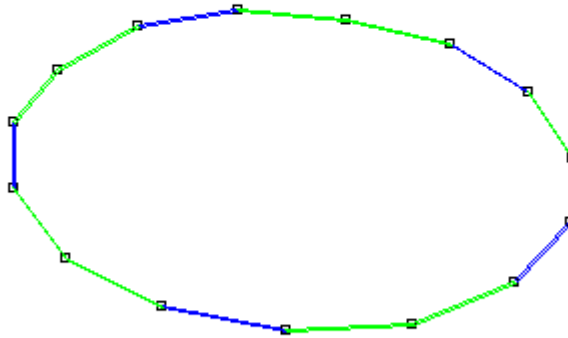
Step 1

Estimate a 15-foot diameter space. The 15-foot circle diameter does not have to be exact. A rough approximation is fine.

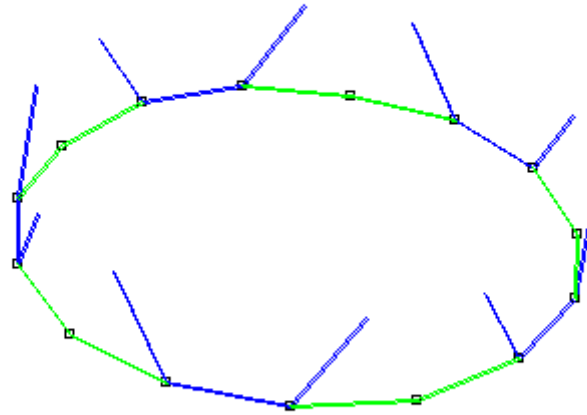
Set aside

- 10 green tip pipes
- 5 blue tip pipes
- 15 green 4pt hubs

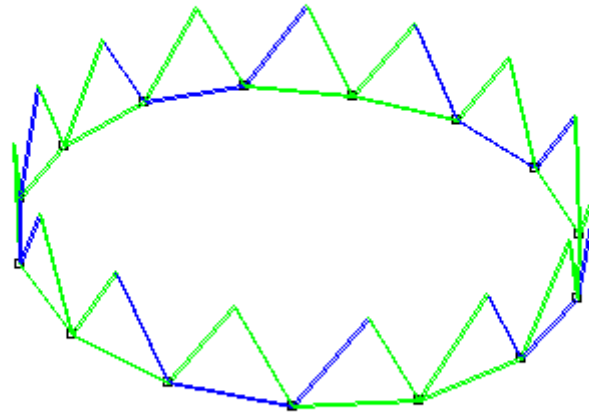
Attach the pipes to the hubs by inserting the bolt on the hub into the hole on the tip of the pipe. Then place a nut on the bolt to secure the pipe to the hub. The nut should only be finger tightened onto the bolt. You will tighten them later with a drill or ratchet after all the hubs and struts have been assembled.



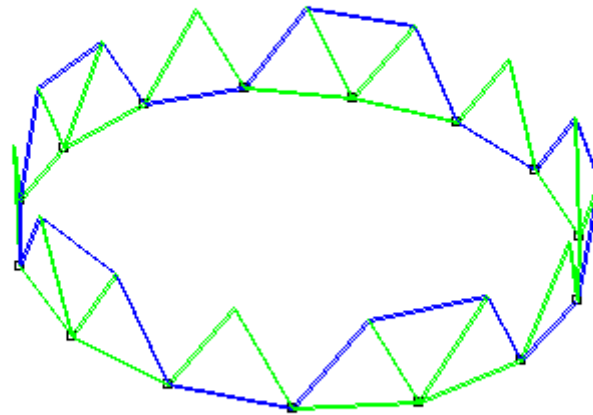
Step 2
10 blue tip pipes



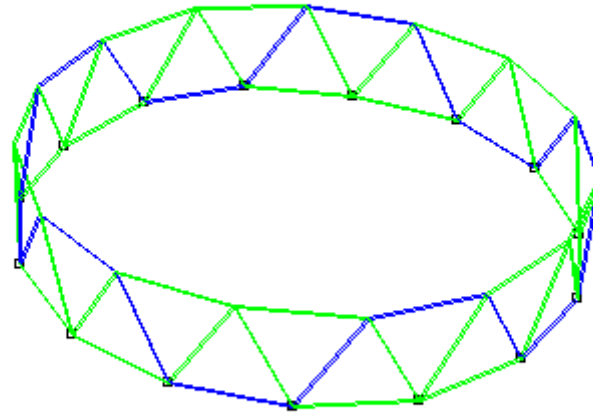
Step 3
20 green tip pipes
15 blue hubs



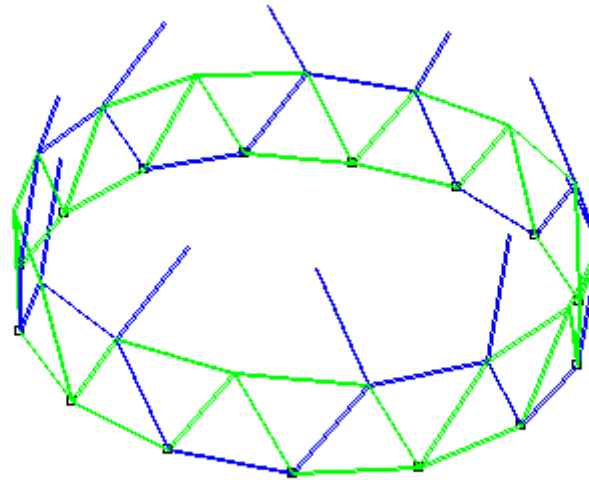
Step 4
5 blue tip pipes



Step 5
10 green tip pipes



Step 6
10 blue tip pipes

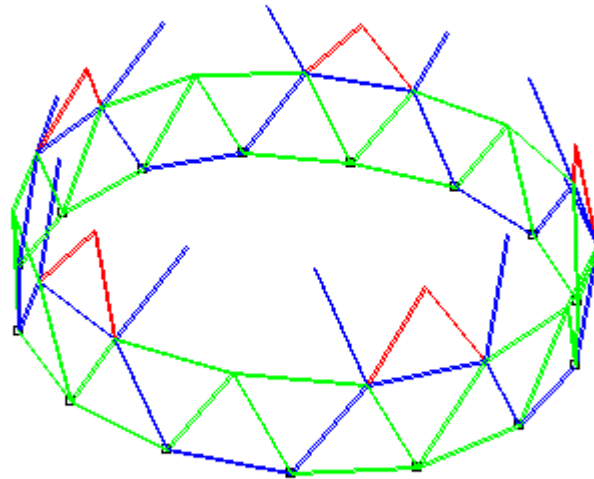


Step 7

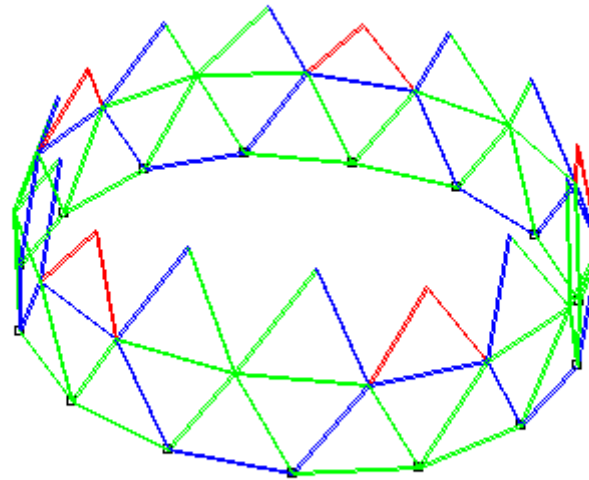
Set aside

- 5 red “5-point” hubs
- 10 red pipes

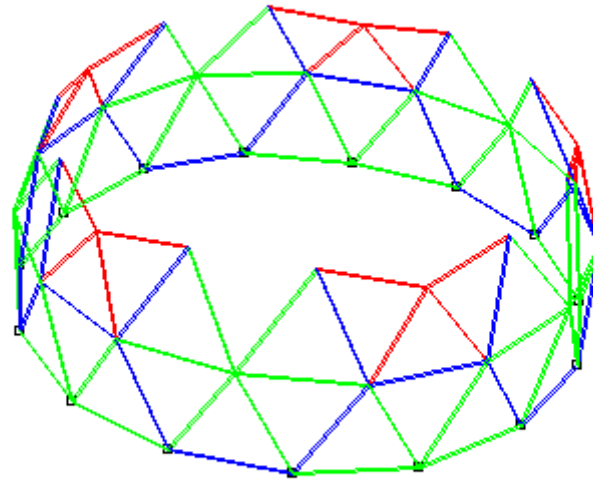
Attach the 10 red pipes to the tops of the 4-point hubs above the blue pipes. This will form 5 triangles. Attach the 5 “5 point” hubs to the tops of the triangles.



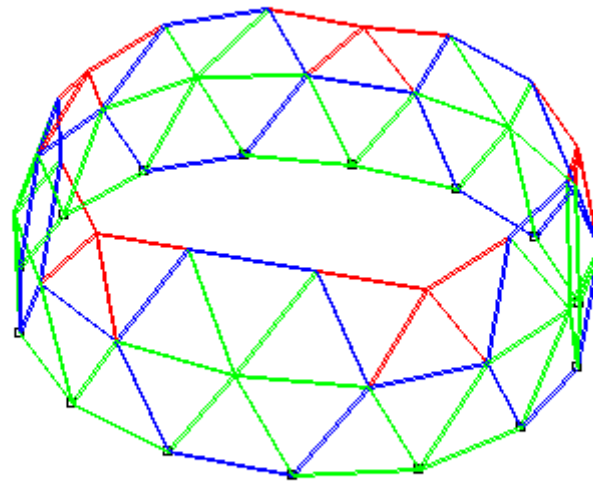
Step 8
10 green tip pipes
10 blue hubs



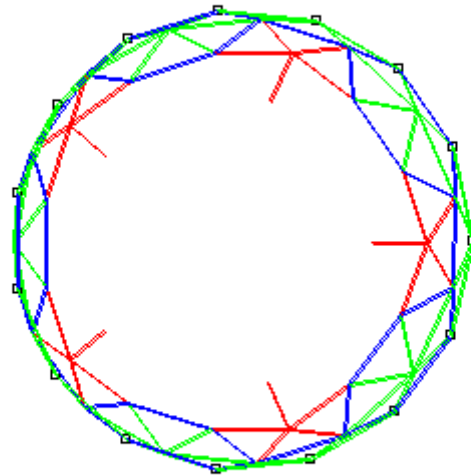
Step 9
10 red tip pipes



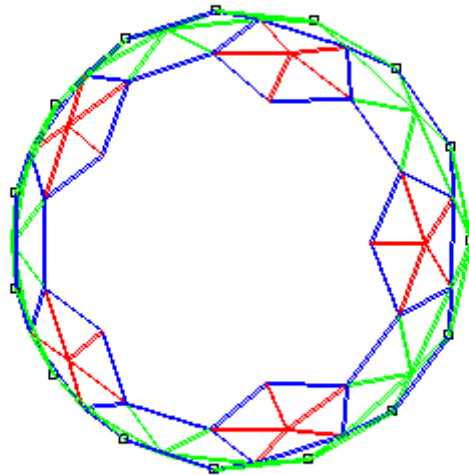
Step 10
5 blue tip pipes



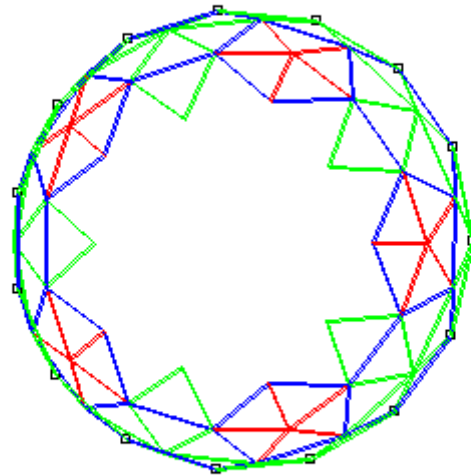
Step 11
5 red tip pipes



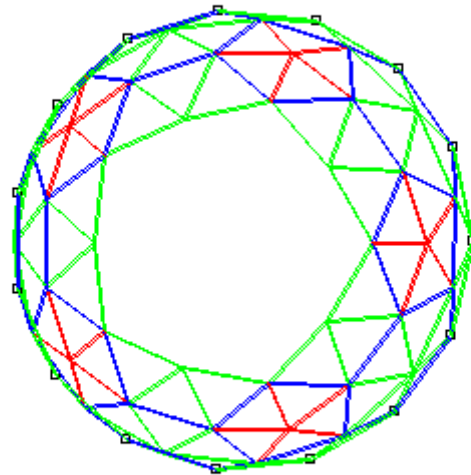
Step 12
10 blue tip pipes 5 purple hubs



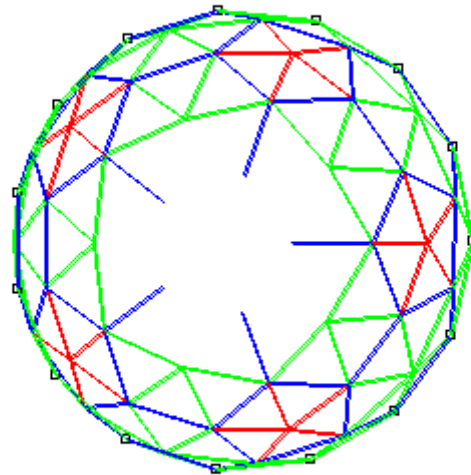
Step 13
10 green tip pipes
5 purple hubs



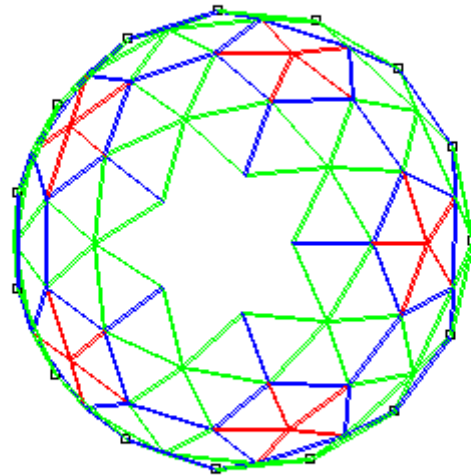
Step 14
10 green tip pipes



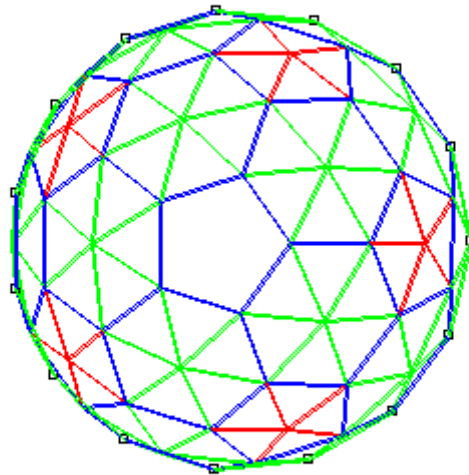
Step 15
5 blue tip pipes



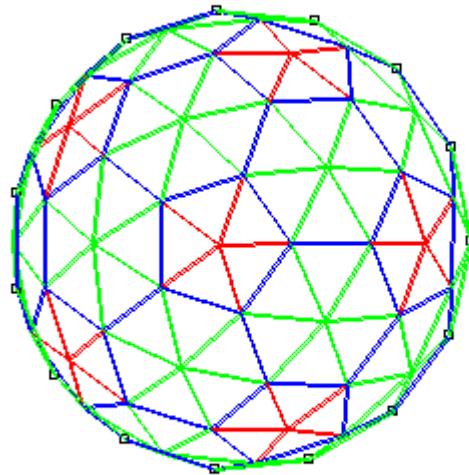
Step 16
10 green tip pipes
5 orange 6pt hubs



Step 17
5 blue tip pipes



Step 18
5 red tip pipes
1 orange 5pt hub



Final Step

Tighten all the nuts with a drill or ratchet using a 7/16 socket.

Start with the bottom layer and work your way to the top tightening all nuts on each hub. After you are finished, double check that all nuts are tight.