

## 3.9 Reef

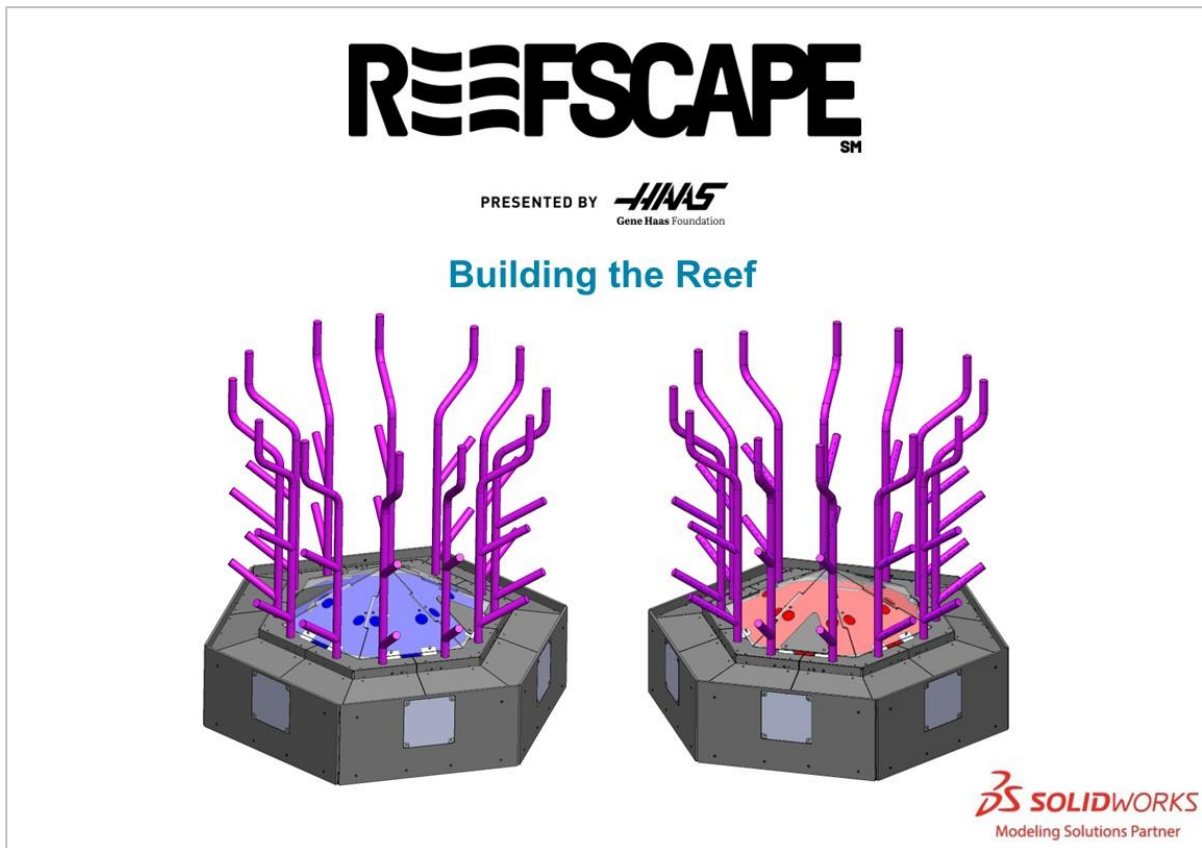
A total of 2 Reefs need to be built. The beginning portion of this assembly (placing the uprights and base frames) is part of the ALLIANCE WALL assembly and should already be completed. Note these images show a build on a traditional field border. Building with an AndyMark border will look slightly different than the pictures, but the process is the same except where otherwise noted.

### 3.9.1 Tools & Equipment (for 1x Reef)

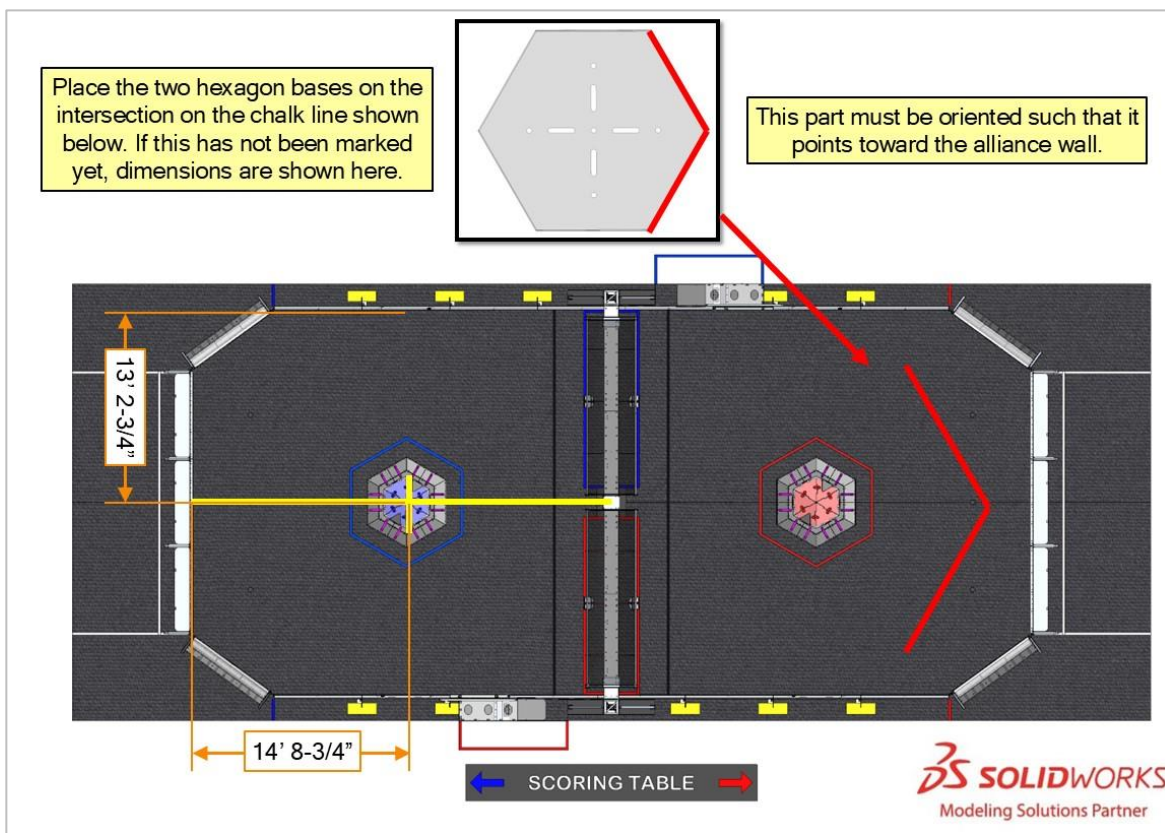
- 2x 7/16" wrenches
- 66x ¼-20 x 1" hex head bolts
- 36x ¼-20 x 1" counter sunk Phillips (#3) bolts
- 24x ¼" x 2.3125" quick pull pins
- 12x ¼"-20 Nylock nuts

### 3.9.2 Assembly

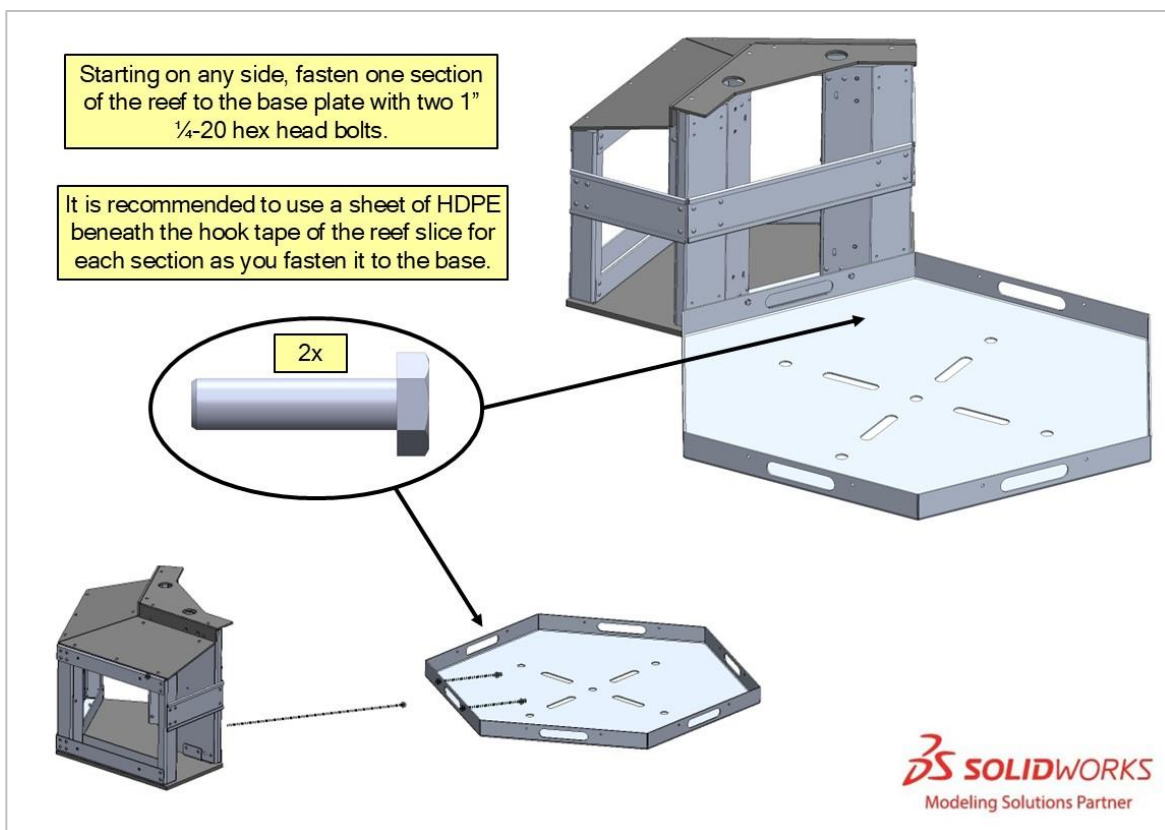
1.



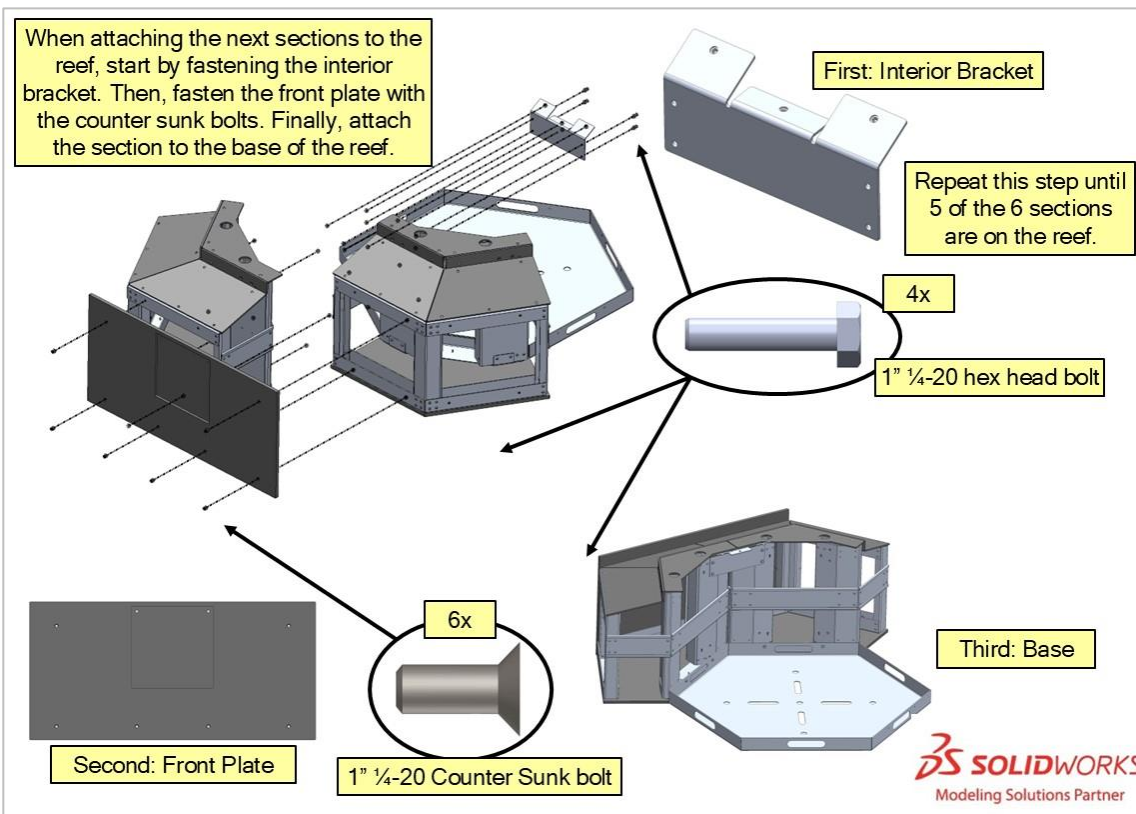
2.



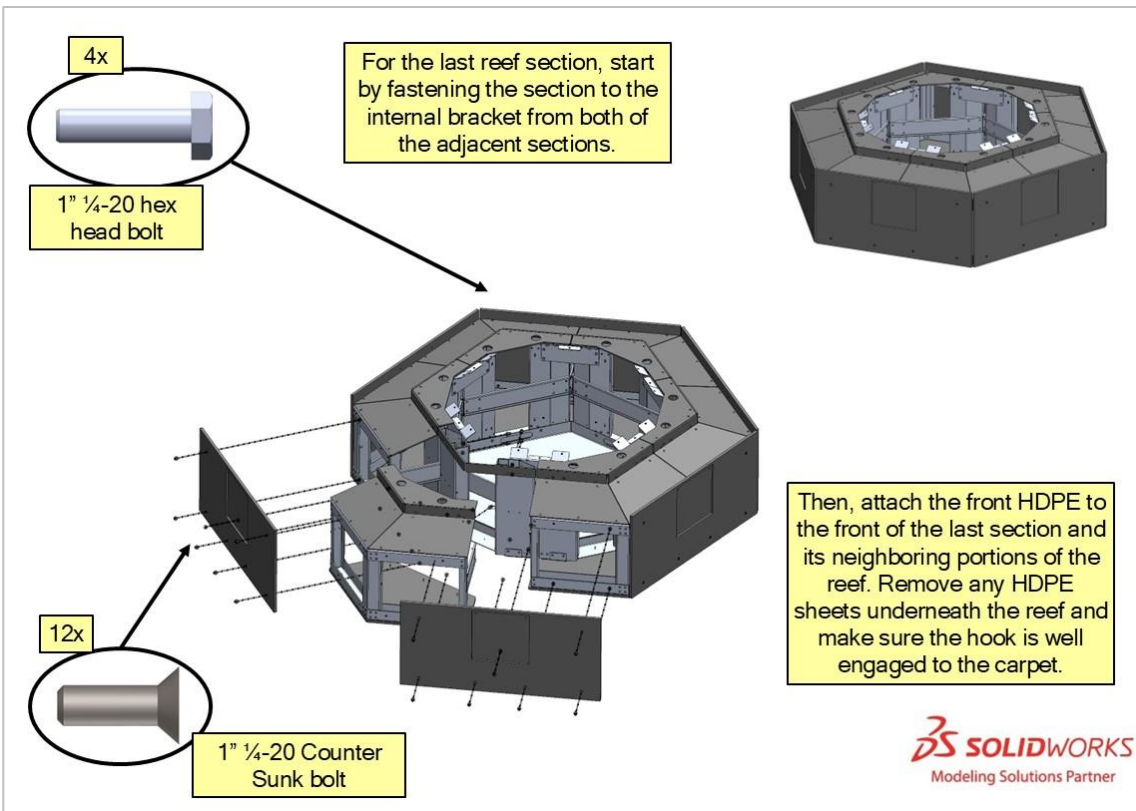
3.



4.

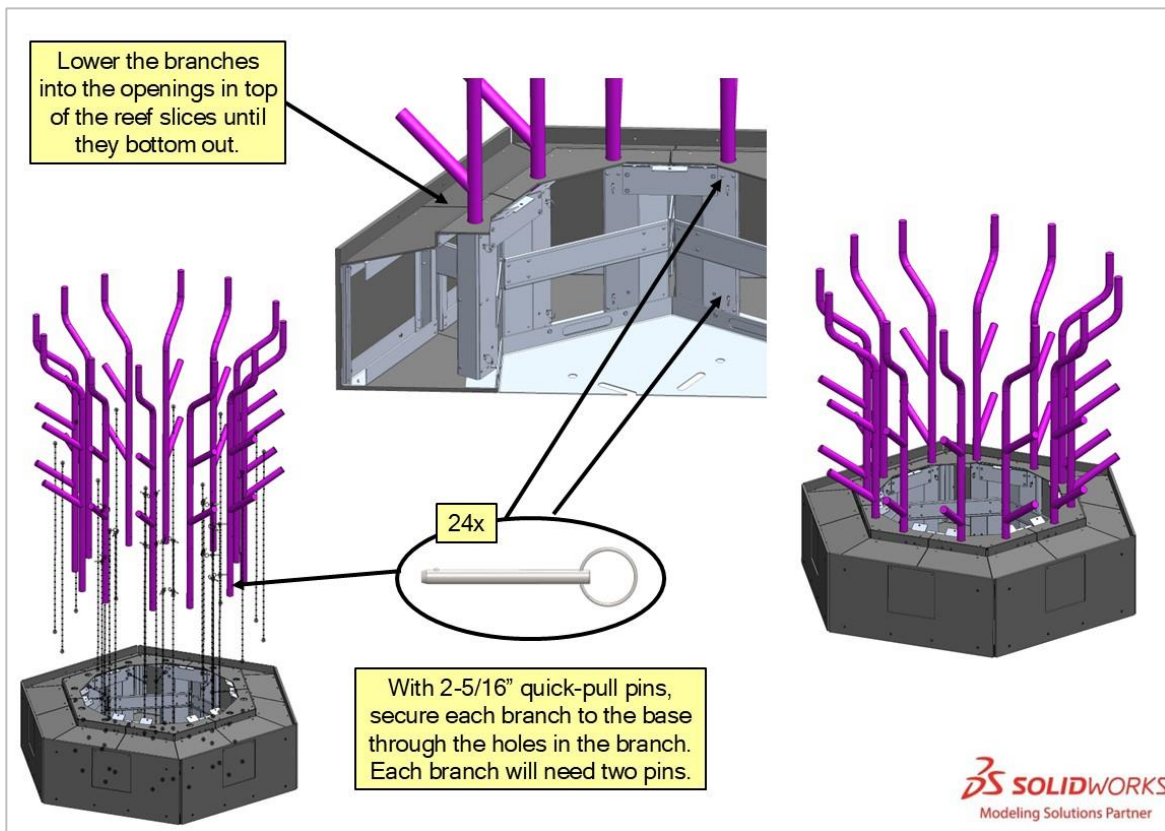


5.

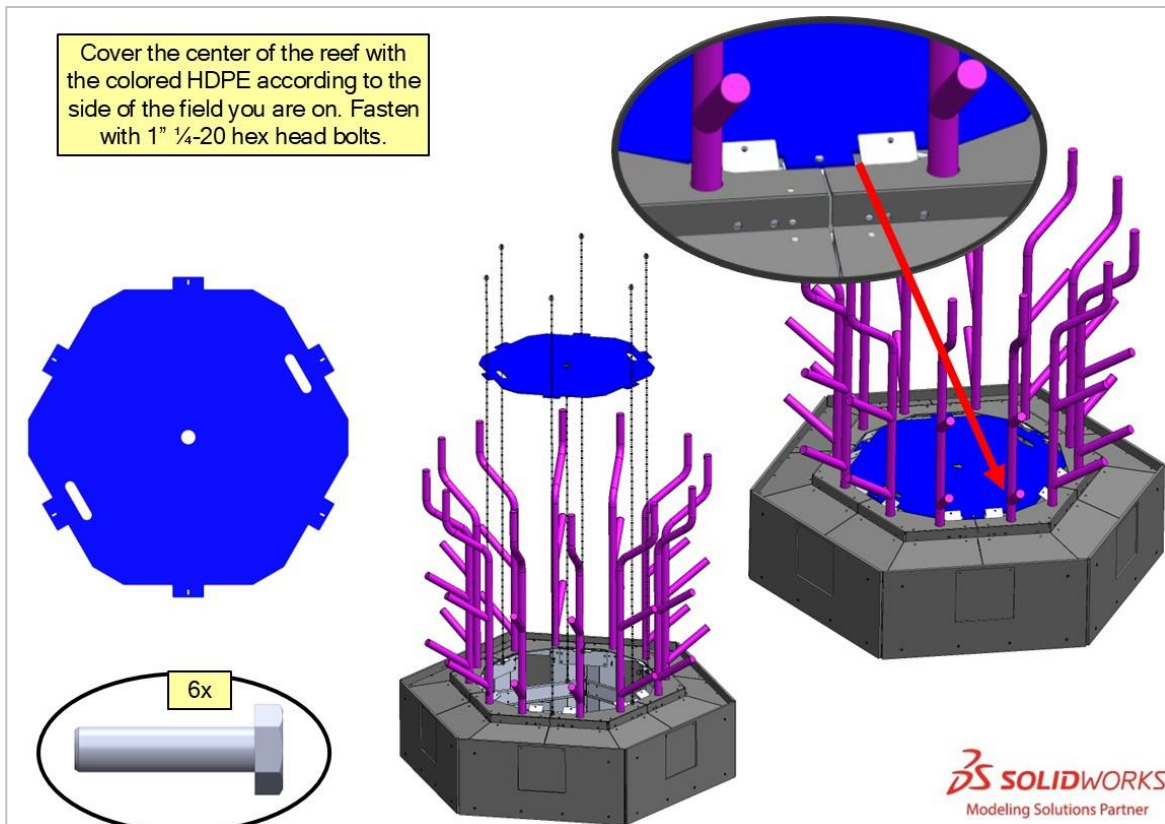




6.

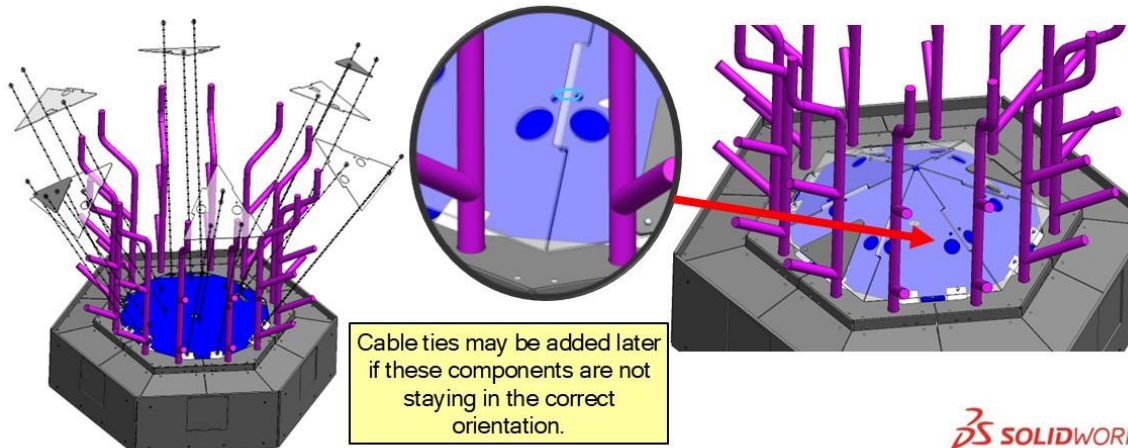
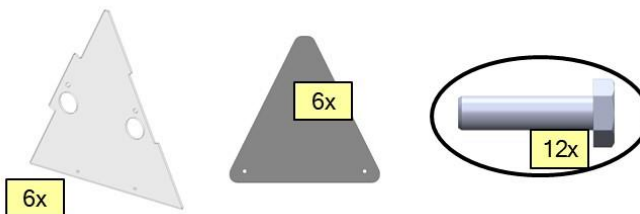


7.

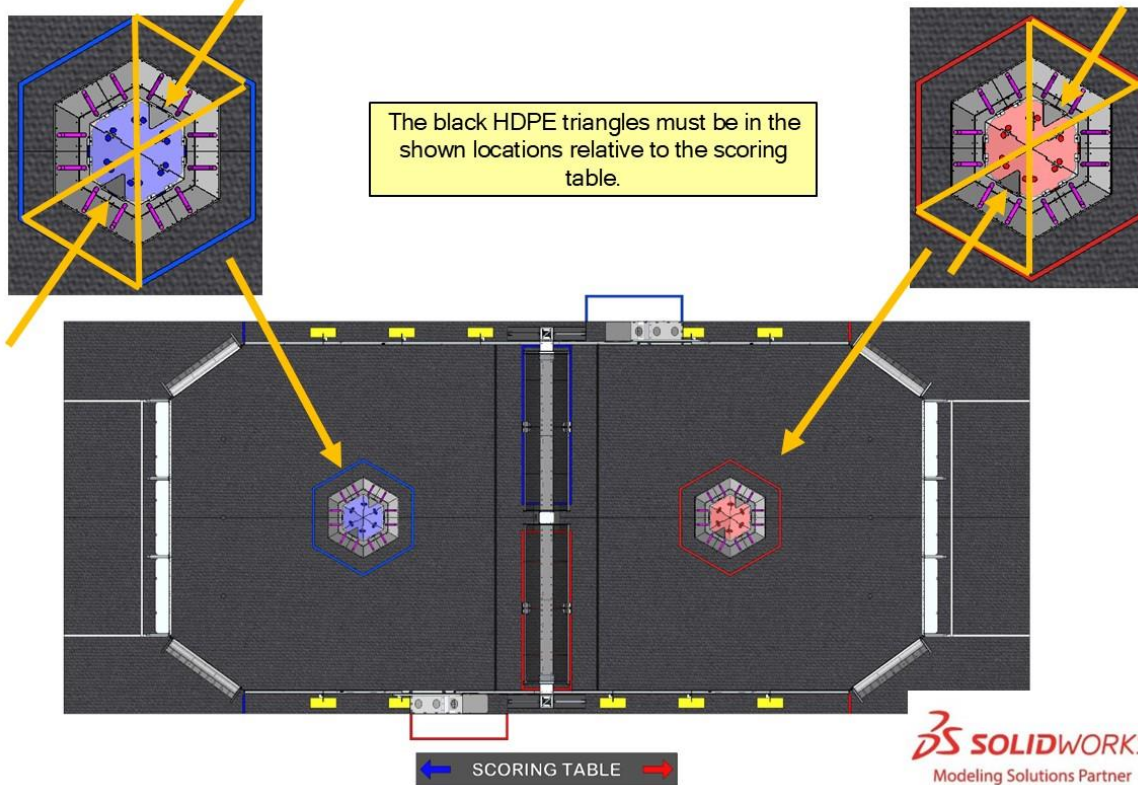


8.

Attach the center plastic components to the reef such that the tabs on each piece interlock with one another. Use 1" ¼-20 hex head bolts to fasten into the interior brackets. Two faces will also have extra triangles that cover some of their polycarbonate. Refer to the next step to locate which faces need these.

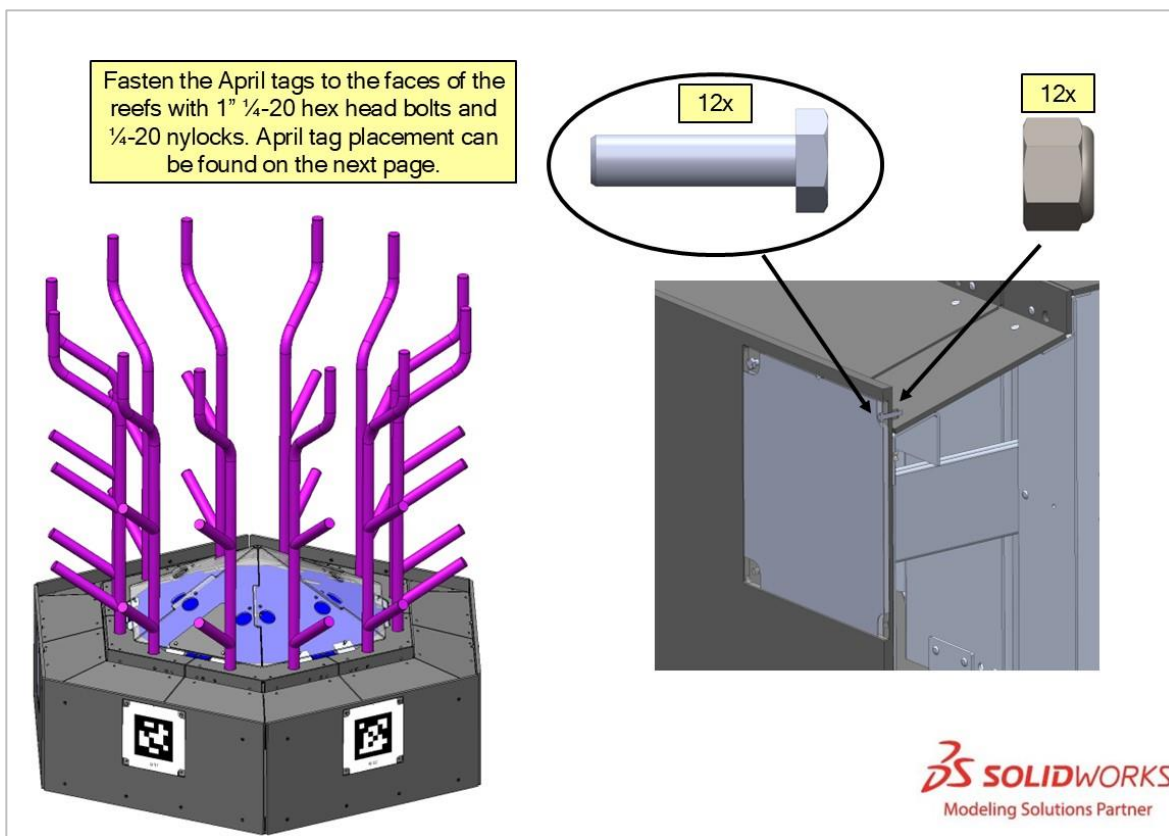


9.





10.



11.

