

### TOOLS REQUIRED

1. Flexible tape measure
2. Drill with 3/8" bit
3. 1/2" wrench
4. 1/2" socket
5. Spud wrench
6. Touch up paint

## 1 Organize Work Site and Ensure a Safe Work Environment

- Read all instructions before proceeding.
- The following guide assumes that pole & antennas have been previously installed.
- Review all supplied drawings & packing list prior to starting any work.
- Call Raycap if any parts are missing (part quantities will vary per project).
- Ensure that work is performed in fair weather conditions. Installation or removal of concealment radomes is NOT recommended in windy conditions.
- Use all industry established safety practices.

## 2 Measurement and Layout for Field Drilled Radome Attachment Holes\*

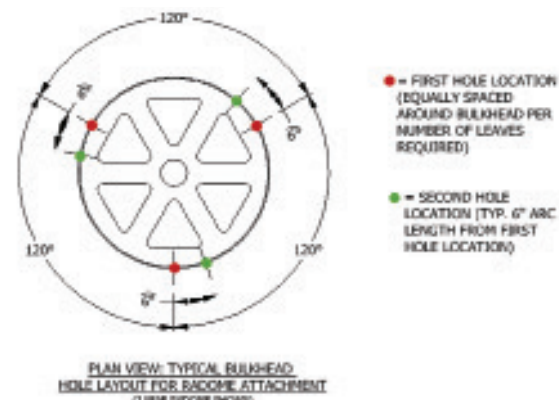
- Using a flexible tape measure, carefully measure and document the circumference (C) around the existing steel bulkhead.
- Determine the number of leaves (N) provided for the project by reviewing the supplied drawings and documentation. Typically, (2) bolts are required at the top and bottom of each leaf.
- Divide the circumference by the number of leaves to determine the required hole spacing (S) around the perimeter of the bulkhead. Use the following formula to determine the hole to hole spacing for the first (N) holes.

$$\text{Spacing} = \frac{\text{Circumference}}{\text{Number of leaves}}$$

\*Required only for radome replacements using existing bulkheads; if you have received a new STEALTH pole, these holes will already exist and no layout work will be required.



- Being careful to use the vertical hole spacing shown on the provided drawings to locate the hole location vertically, mark the first hole location in the bulkhead ring. Measure horizontally around the bulkhead the distance (S) determined in the previous step, and repeat this step until (N) holes are marked. Then measure over 6" to the right from each hole location to mark the center of the second hole for each leaf. (N x 2) total holes will be required to be drilled at the top and bottom of each radome. See graphic below for reference, which demonstrates a 3-leaf radome.

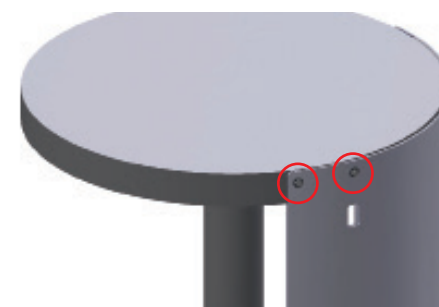


## 2 Measurement & Layout (continued)

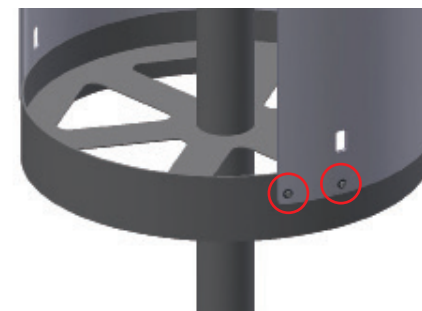
- Once all hole locations are marked and checked, drill holes for the appropriate hardware. Typical required hole diameter is 3/8" for the supplied 5/16" fasteners. Check provided fasteners for your specific project before drilling.

## 3 RadomeFlex Installation

- Hoist (1) RadomeFlex leaf at a time to the appropriate elevation by looping a lifting strap through one of the rectangular holes in the radome.



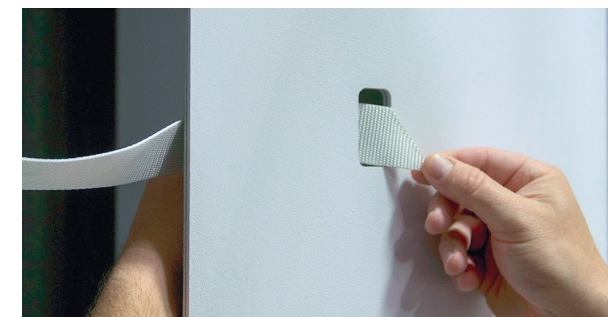
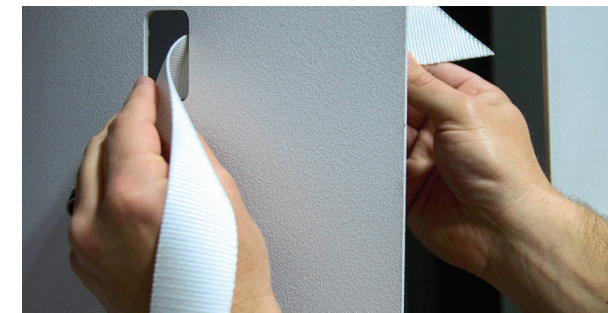
- Secure the top (2) fasteners to the top bulkhead.
- Secure the bottom (2) fasteners to the bottom bulkhead. If needed, use a spud wrench to help align the holes.



- Repeat with each leaf.

## 4 Strap Attachment

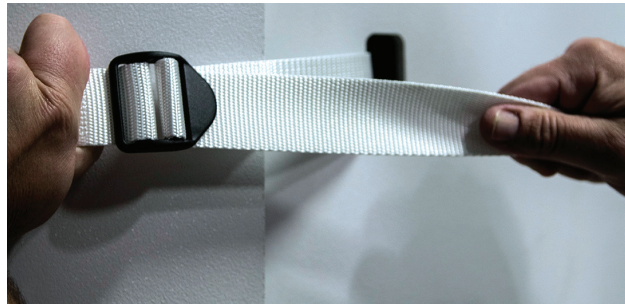
- From left to right, weave straps through rectangular holes of the two adjacent leaves.



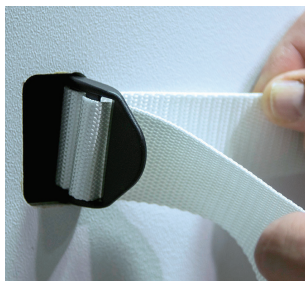


### 4 Strap Attachment (continued)

- a. To tighten, position buckle next to radome opening and pull strap such that you can still rotate it.



- b. Tuck the buckle just inside the rectangular hole until the buckle is approximately 2" from the edge of the hole and pull the strap tight.



- c. To complete installation, tuck strap into rectangular hole on your left.
- d. Once tightened, your fingers will not fit between the strap and radome.



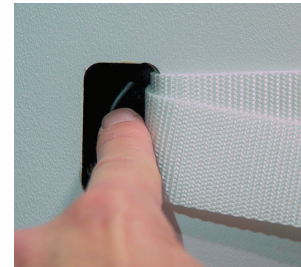
### 5 RadomeFlex Removal

- a. To open radome, reach into the hole and retrieve the end of the strap.



### 5 RadomeFlex Removal (continued)

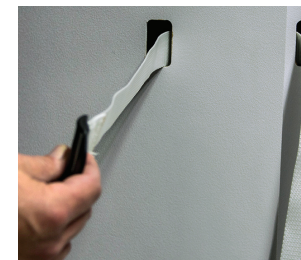
- b. Find the buckle, and push to loosen.



- c. Pull the buckle outside the slot.



- d. Release buckle and remove.



- e. Once all straps are removed on one side of the radome, the radome will remain in position. Use the supplied flexstand to prop open the radome leaf if required.



### ADDITIONAL NOTES

Accessing antennas or equipment inside the radome may be accomplished by removing straps on one leaf only. Radome shells do NOT need to be fully removed.

### PARTS LIST

- a. Hardware: 5/16" bolts with washers & hex nuts  
OR 5/16" bolts with washers and u-nuts
- b. Strap: 3' length as standard
- c. Flexstand: used to prop open the radome during install or maintenance. (2) included with each project.
- d. Leaf: quantity and sizes will vary per project

