

INSTALLATION DRAWING

STADIUM BRACKET w/ LOCK (CSS KIT # 919050-AD)

- NOTES:
- All 3/8" hardware to be torqued to 20 ft-lbs.
 - Bracket allows to set angles in 5° increments, +ve & -ve sides.
 - Refer "Maximum Angle Table" (Table -1) to learn maximum angle on specific antennas.
 - Detail Views "A" and "B" show angle rotation Legends. Refer "Azimuth Rotation Table" (Table -2) and "Mechanical Downtilt Table" (Table -3) for specific angle Locking Position.
 - Use supplied #10-32 fasteners to lock bracket at specific angle.

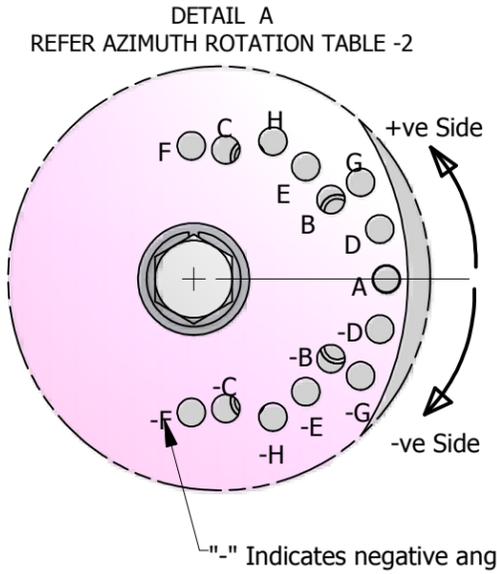
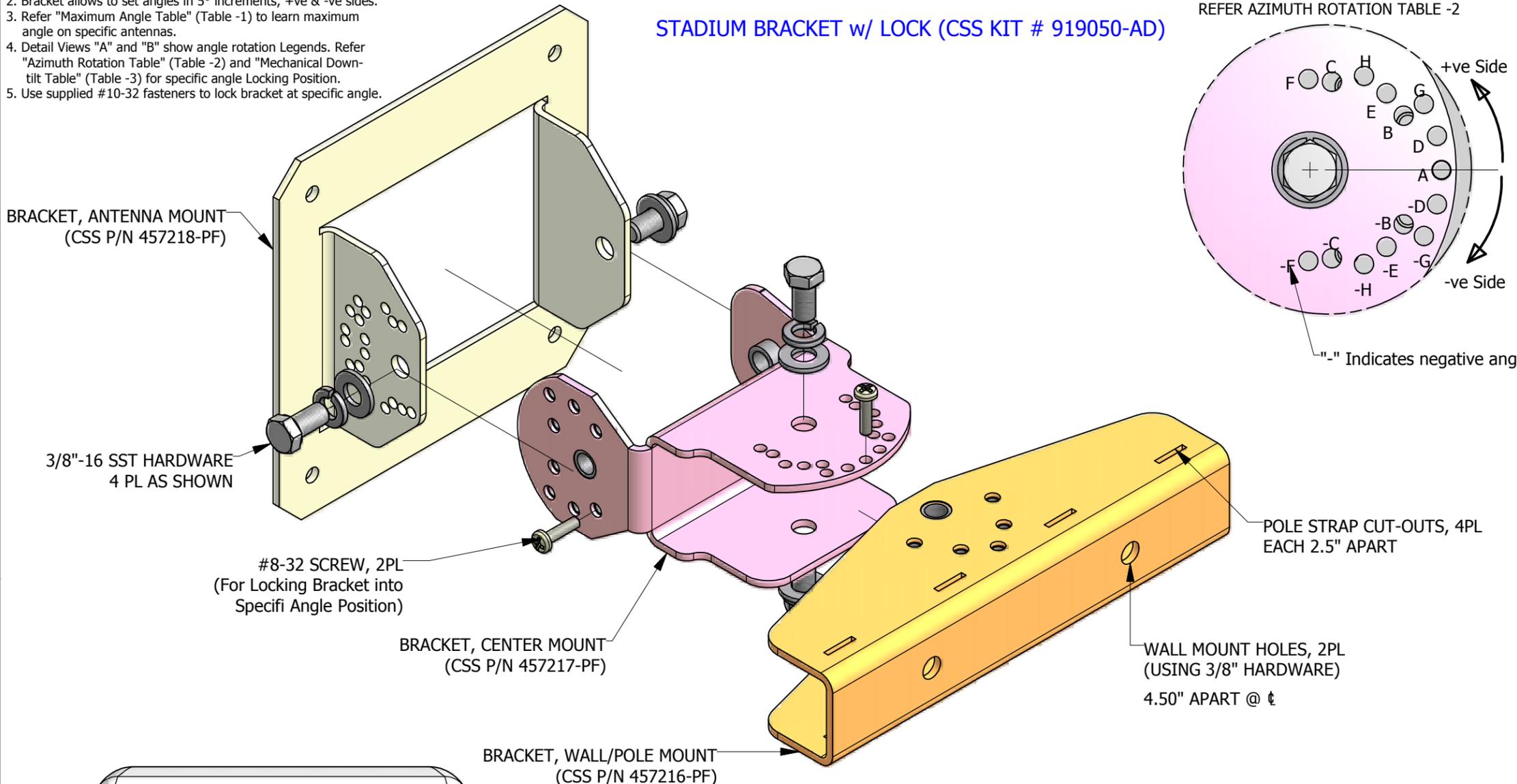


Table -2
Azimuth Rotation Table

| Legend | Azimuth Rotation (deg) |
|--------|------------------------|
| A | 0 |
| B | 5 |
| C | 10 |
| D | 15 |
| E | 20 |
| F | 25 |
| G | 30 |
| H | 35 |

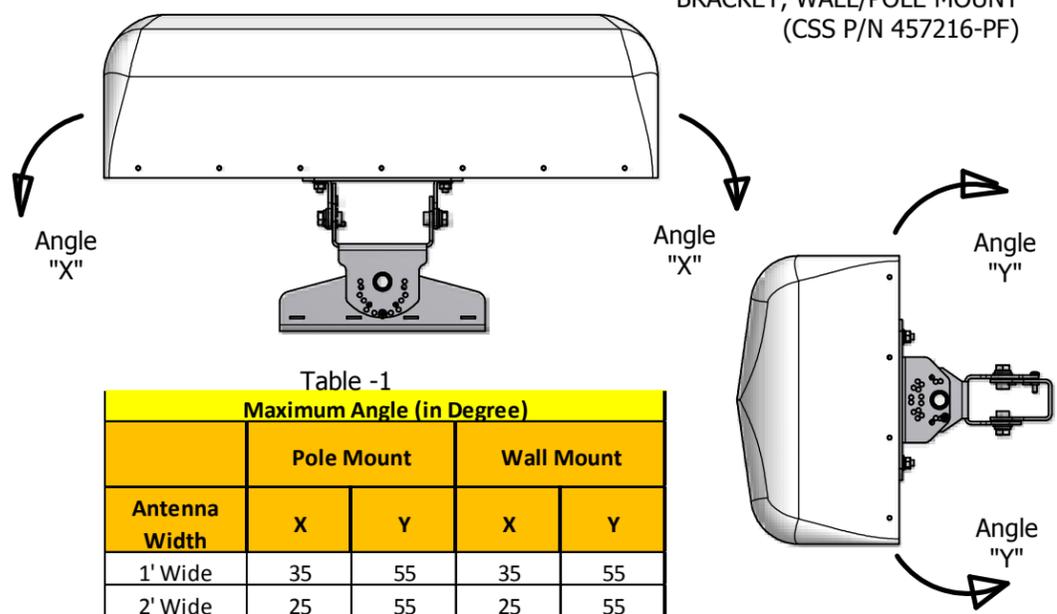
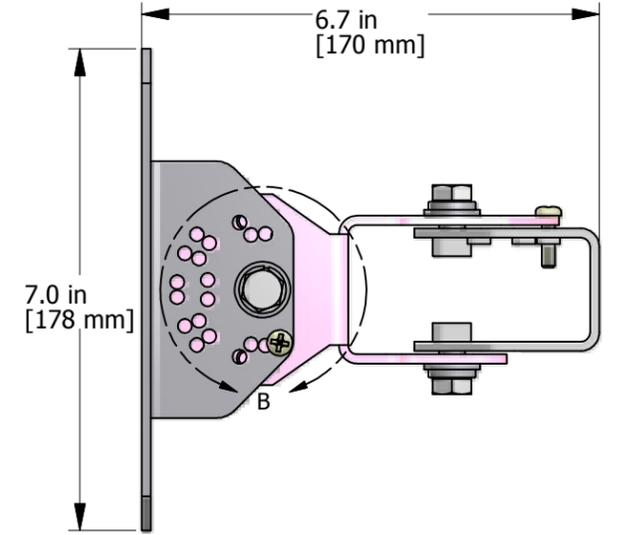
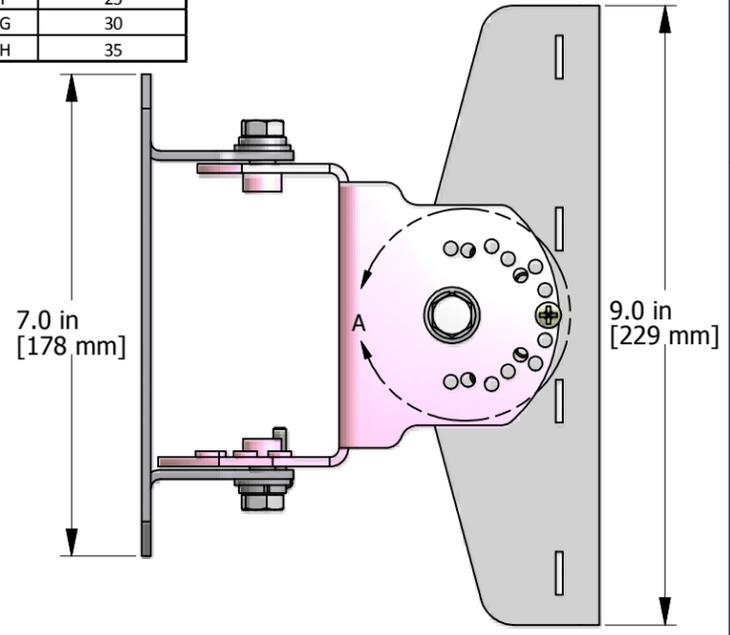
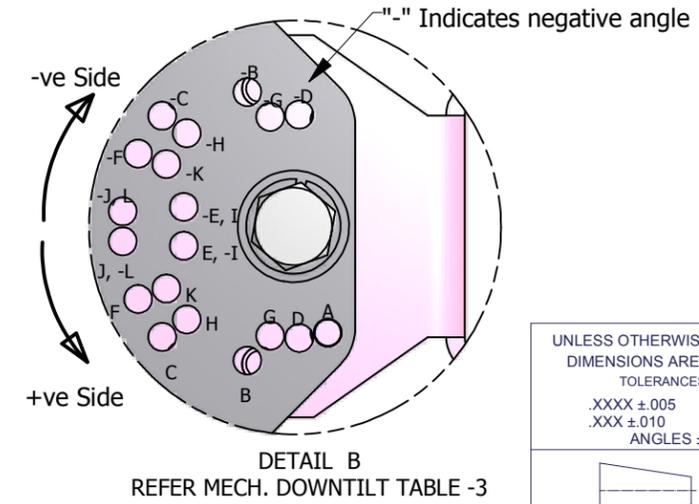


Table -1
Maximum Angle (in Degree)

| Antenna Width | Pole Mount | | Wall Mount | |
|---------------|------------|----|------------|----|
| | X | Y | X | Y |
| 1' Wide | 35 | 55 | 35 | 55 |
| 2' Wide | 25 | 55 | 25 | 55 |
| 3' Wide | 20 | 55 | 20 | 55 |

Table -3
Mech. Downtilt Table

| Legend | Mech. Downtilt (deg) |
|--------|----------------------|
| A | 0 |
| B | 5 |
| C | 10 |
| D | 15 |
| E | 20 |
| F | 25 |
| G | 30 |
| H | 35 |
| I | 40 |
| J | 45 |
| K | 50 |
| L | 55 |



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON .XXXX ±.005 .XX ±.02 .XXX ±.010 .X ±.1 ANGLES ±5°

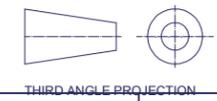
| NAME | DATE |
|---------------|-----------|
| DRAWN S. Shah | 5/18/2011 |
| CHECKED | |
| APPROVED | |

CSS ANTENNA, INC.
2206-D LAKESIDE BLVD
EDGEWOOD, MARYLAND 21040
410-612-0080 FAX: 410-612-0336

TITLE
Installation Drawing, Stadium Bracket with Lock

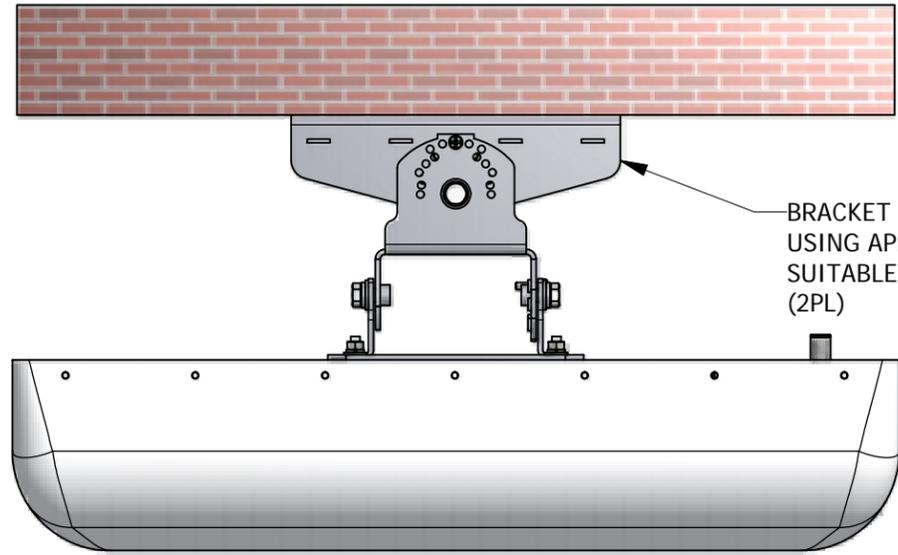
SIZE DWG NO. 819050-ID REV

SCALE FILE 919050-AD REV P1: BRACKET ASSY, STADIUM ANTENNA, w SH OF 2



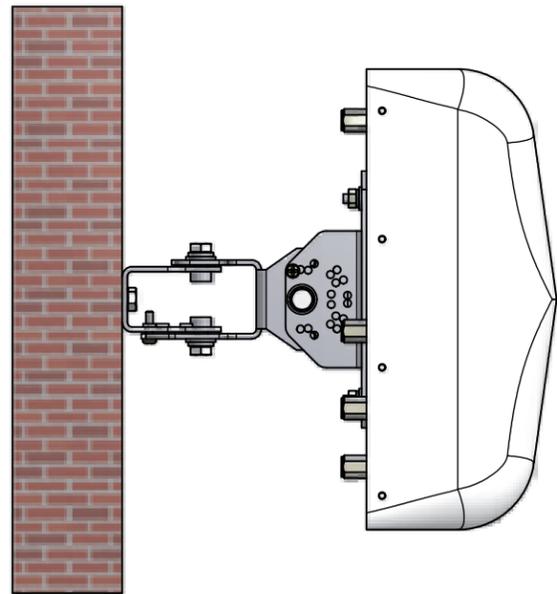
- NOTES:
 1. REFER TO PAGE 1 FOR MORE DETAILS ON SETTING AZIMUTH AND DOWNTILT ANGLES.
 2. FASTENERS FOR WALL MOUNT AND POLE MOUNT NOT INCLUDED IN 919050 BRACKET KIT.

WALL MOUNT



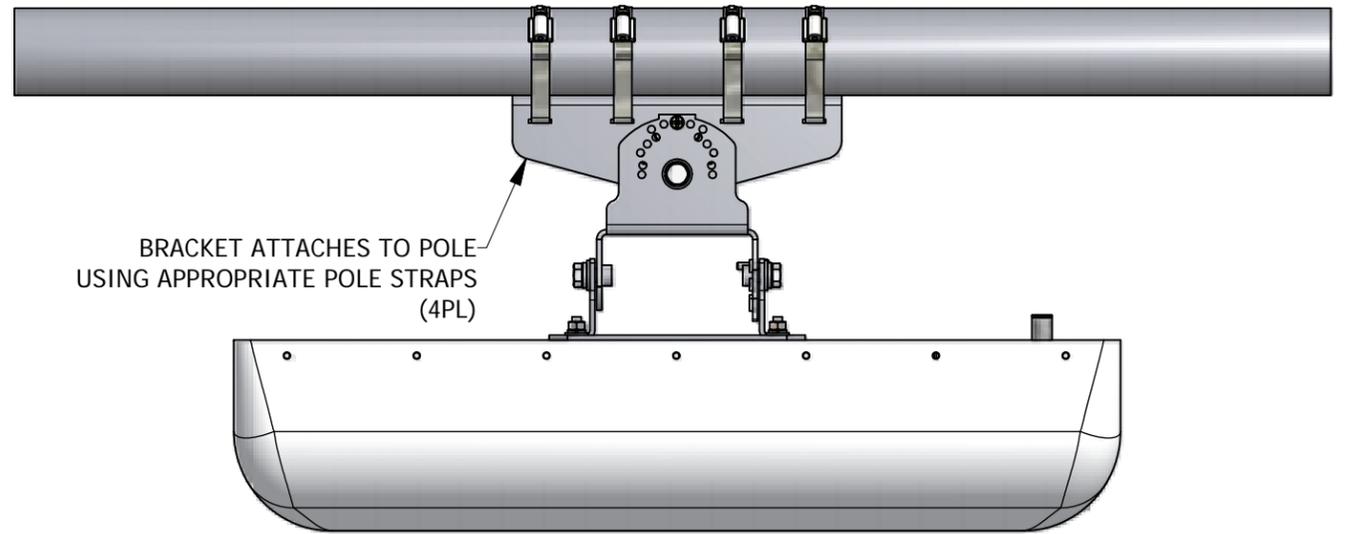
PLAN VIEW

BRACKET ATTACHES TO WALL USING APPROPRIATE 3/8" FASTENERS SUITABLE FOR WALL STRUCTURE (2PL)



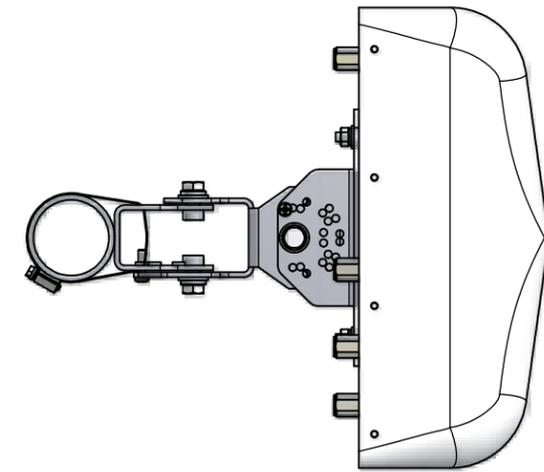
SIDE VIEW

POLE MOUNT



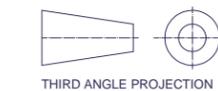
PLAN VIEW

BRACKET ATTACHES TO POLE USING APPROPRIATE POLE STRAPS (4PL)



SIDE VIEW

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 TOLERANCES ON
 .XXXX ±.005 .XX ±.02
 .XXX ±.010 .X ±.1
 ANGLES ±5°



| NAME | DATE |
|------------------|-----------|
| DRAWN S. Shah | 5/18/2011 |
| CHECKED | |
| APPROVED | |

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| | | | |
|--|---|--|----|
| <p>CSS ANTENNA, INC. 2206-D LAKESIDE BLVD EDGEWOOD, MARYLAND 21040 410-612-0080 FAX: 410-612-0336</p> | | TITLE | |
| | | <p>Installation Drawing, Stadium Bracket with Lock</p> | |
| SIZE | DWG NO. | REV | |
| D | 819050-ID | | |
| SCALE | FILE | SH | OF |
| | 968130-000010-AD REV. 1 1FTX2FT, ANT ASSY. 1EA, FRQ. 1301mm | 2 | 2 |

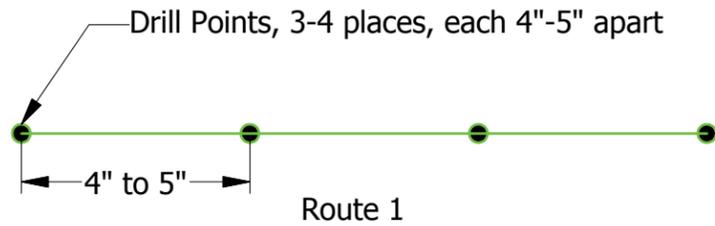
UPSIDE DOWN MOUNTING

For applications where antennas to be mounted upside down as shown in views, additional "Weep Holes" are needed to properly drain antenna. Follow the instructions below on drilling additional weep holes and plugging un-wanted ones.

Instructions below only apply to antennas mounted using CSS Bracket # 919050. This Bracket offers maximum down-tilt of 55° in both directions. Refer to Bracket Installation drawing for more information.

0° & 5° Bracket Tilt (Down-tilt of 85° & 90°)

View-1 shows Bracket set to 0°. Use "Route 1" (as shown in View 3) to approximately mark hole locations. Drill holes following Drilling directions below.



10° to 55° (Max.) Bracket Tilt

View-2 shows Bracket set to 55° of maximum tilt. Weep holes are available for this setting as shown in View-3. No additional holes are Required.

Drilling Holes

1. Mark 3 to 4 Drill points spaced equally as shown in "Route 1" above.
2. Use 1/8" Standard Flute Drill Bit.

Note that Radome is 0.1" thick. DO NOT Drill More Than 1/4" Inside Radome as this can damage the antenna.

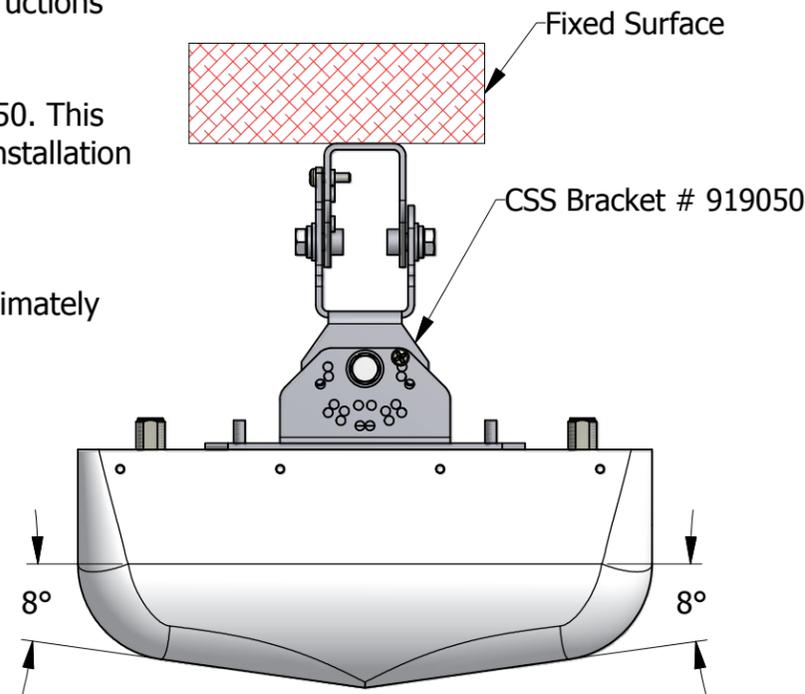
3. To prevent any damage, wrap around Painters or Electric Tape, approximately 1/4" from the tip, for reference.
4. Drill holes at marked locations slowly until it reaches tape.

Plugging Unwanted/Unused Weep Holes

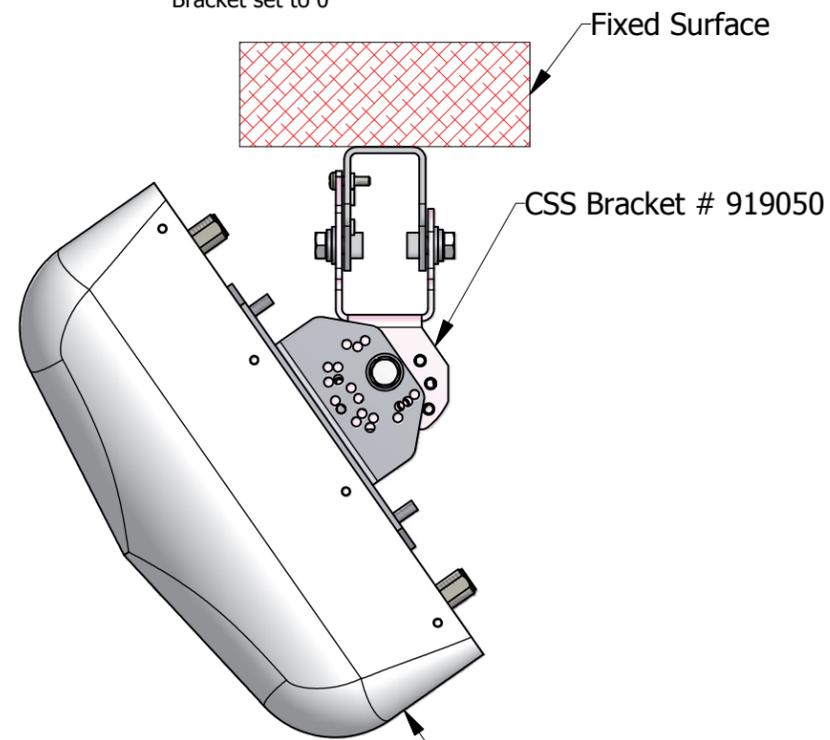
While using antenna in 0° & 5° orientation, the side weep holes will be useless and need to be plugged to prevent rain or storm water from getting in. To plug unwanted weep holes - Use all-purpose silicone caulk for outdoor applications available in local hardware store.

Important Note:

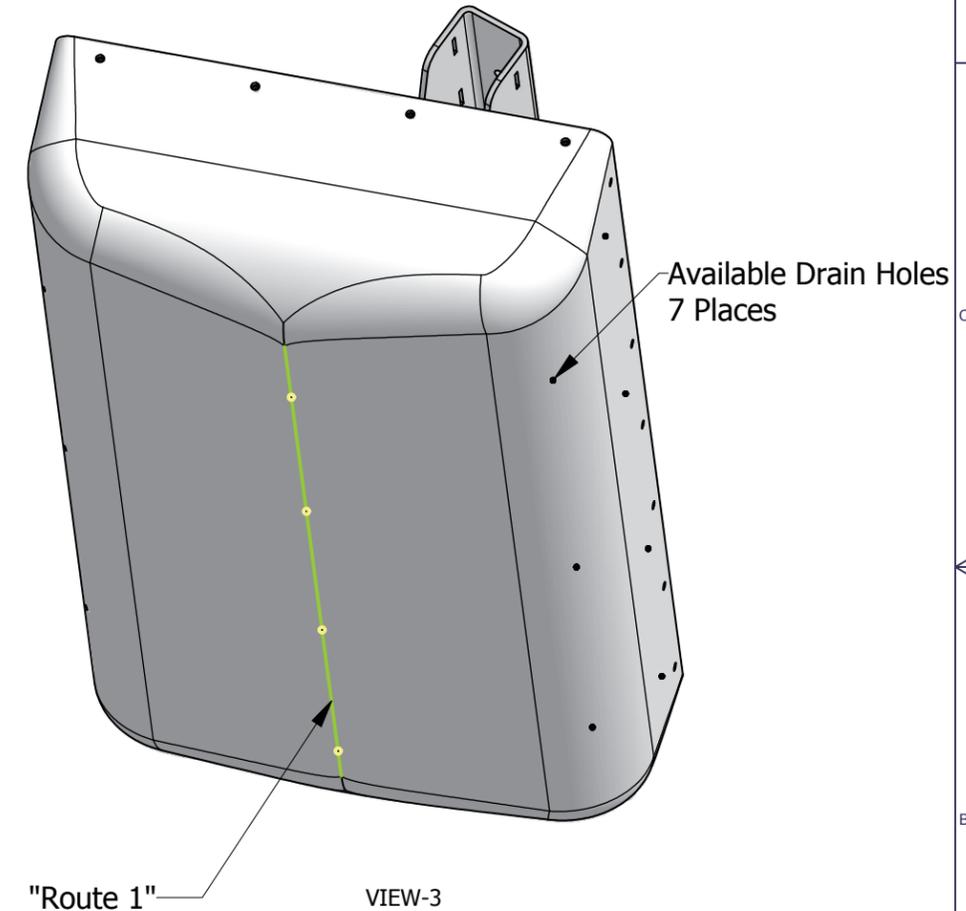
One side of Antenna has a set of weep holes (7pl). Always keep weep hole side of Antenna Down-ward.



VIEW-1
Bracket set to 0°



VIEW-2
Bracket set to 55° (Max. Tilt)
Weep Holes Exist. No Additional Holes Needed



"Route 1" VIEW-3

| | | | |
|---|--|-----------|---|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON .XXXX ±.005 .XX ±.02 .XXX ±.010 .X ±.1 ANGLES ±5° | NAME | DATE | <small>CSS ANTENNA, INC. 2206-D LAKESIDE BLVD EDGEWOOD, MARYLAND 21040 410-612-0080 FAX: 410-612-0336</small> |
| | DRAWN S. Shah | 7/18/2011 | |
| <small>THIRD ANGLE PROJECTION</small> | CHECKED | | TITLE INSTRUCTIONS, DRILLING, WEEP HOLES |
| | APPROVED | | SIZE DWG NO. D 811001-FI |
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| SCALE | FILE Low Profile Radome Position Overlay.iam | SH | OF 1 |