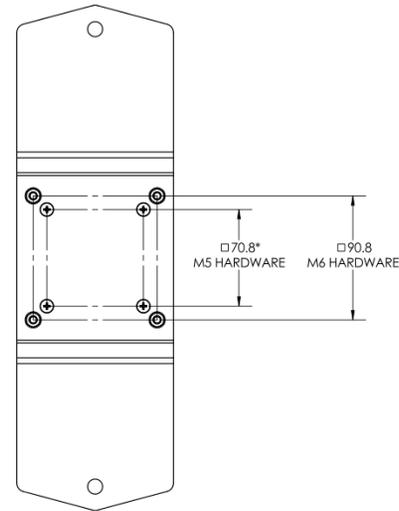


ITEM	QTY	DESCRIPTION
1	1	BRACKET, FLUSH MOUNT, MBK-17
2	4	WASHER, SPLT LK, M5, SS
3	4	SCREW, PPH, M5-0.8 X 12L, SS
4	4	WASHER, SPLT LK, M6, DIN 127B, STEEL, RoHS, Hot DIP GALV
5	4	NUT, M6x1, DIN 934, STEEL, RoHS, Hot DIP GALV

**Step Task**

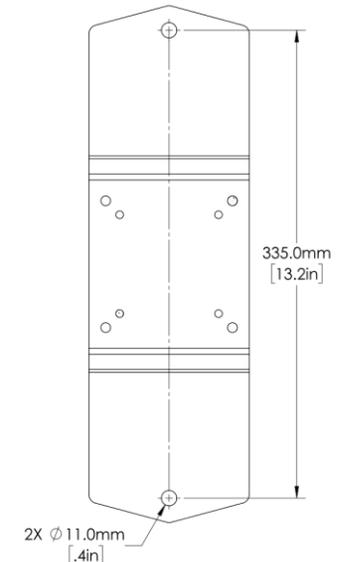
- 1 Determine the location where the antenna is to be mounted as specified by the site engineer. Use the mast bracket (shown in Fig. 3) as a template and mark the wall (or other location) with two (2) 11.0 mm circles.

**Fig. 2: M5 & M6 Hardware Detail**



NOTE:  
(\* ) BACK COMPATIBLE WITH MBK-09

**Fig. 3: Flush Mount Bracket As Template**



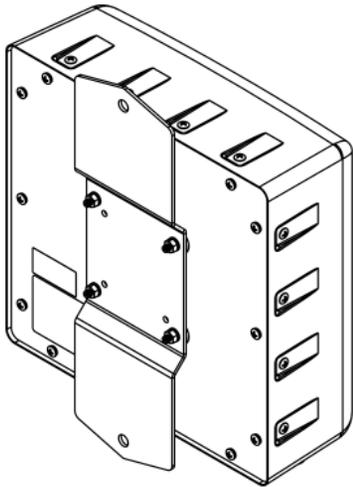
**Step Task**

- 2 Drill (or use another appropriate tool) the wall/other with the correct size bit, in order to be able to use appropriate M10 hardware or equivalent, supplied by the customer for the mounting style being performed.

**DISCLAIMER:**

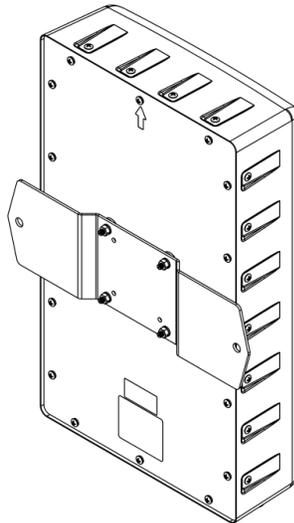
The installation, maintenance, or removal of an antenna requires qualified, experienced personnel. You must refer to the appropriate local safety codes and ensure proper electrical and electromagnetic compatibility before proceeding with the installation. All local codes shall take precedence over information in this document. Antenna systems should be inspected once a year by qualified personnel to verify proper installation, maintenance, and condition of equipment. Communication Components Antennas Inc. disclaims any liability or responsibility for the results of improper or unsafe installation.

**Fig. 4: Antenna w/Flush Mount Bracket in Vertical Orientation Shown for M6 Hardware**



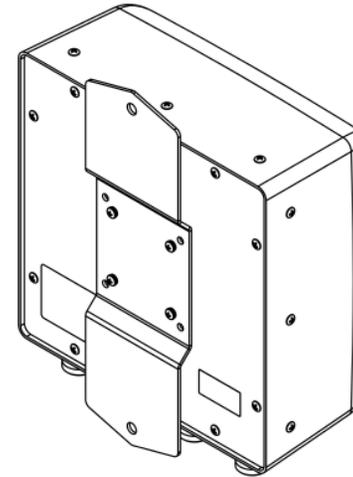
M6 HARDWARE  
SQ 90.8 MM BOLT PATTERN

**Fig. 5: Antenna w/Flush Mount Bracket in Horizontal Orientation Shown for M6 Hardware**



M6 HARDWARE  
SQ 90.8 MM BOLT PATTERN

**Fig. 6: Antenna w/Flush Mount Bracket Attached Showing Mounting with M5 Hardware**



M5 HARDWARE  
SQ 70.8 MM BOLT PATTERN  
BACK COMPATIBLE WITH MBK-09

### Step Task

- When installing an antenna to an MBK-17 type bracket, mount the Flush mount bracket to the antenna, the installer will need to determine whether the vertical orientation (see Fig.4) or horizontal orientation (see Fig. 5) should be utilized to mount the bracket to the antenna using the supplied M6 screws and split lock washers. Be sure to torque the M6 Screws to 8.0 N·m (5.8 ft-lbs).

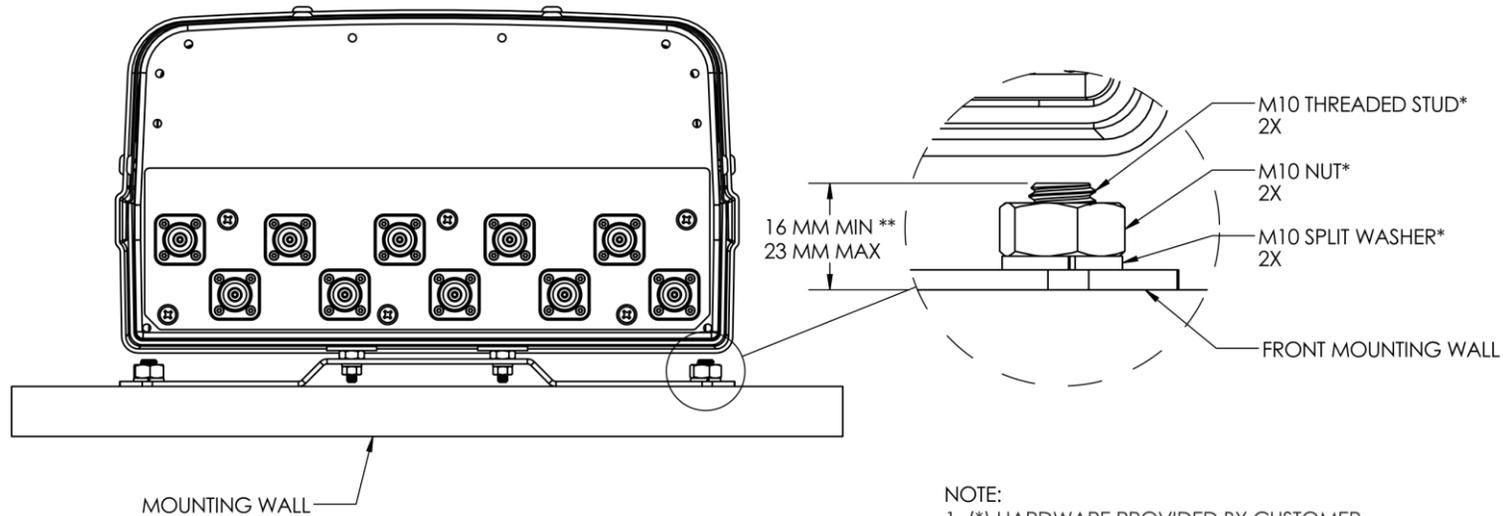
### Step Task

- When installing an antenna to a “back compatible” MBK-09 type antenna, mount the Flush mount bracket to the antenna (see Fig. 6) with the supplied M5 screws and split lock washers. Be sure to torque the M5 Screws to 2.5 N·m (1.8 ft-lbs).

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**Fig. 7: Mounting Antenna Wider than the Flush Mount Bracket**



- NOTE:
1. (\*) HARDWARE PROVIDED BY CUSTOMER  
(THREADED STUD, NUT, SPLIT WASHER)
  2. (\*\*) PROTRUDED THREAD LENGTH MEASURED FROM  
THE FRONT OF MOUNTING WALL

**Step Task**

- 5 Lift the antenna up to the wall (or other) location to continue assembly. See Fig. 7 for a method of mounting antennas which are wider than the flush mount bracket wall mounting hole locations. Fig. 7 also shows the minimum and maximum protruded thread length when mounting an antenna wider than the Flush Mount bracket. Place the customer supplied M10 (or equivalent) hardware in the outside holes of the flush mount bracket and hand-tighten with the appropriate tool. Be sure to then tighten the mounting fasteners to the proper torque value as required. Refer to Antenna Installation Guide.

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