

P040-0125 REVISION D, April 2026

DOWNTILT KITS FOR WIDE PANEL ANTENNAS

BSA-DT-34-H IS DEVELOPED AS HIGH STRENGTH TILT BRACKET ASSEMBLY, WHICH CAN BE ASSEMBLED ON ANTENNA WITH BSAMNT-F/-2F TO ACHIEVE ADJUSTABLE MECHANICAL DOWN TILT APPLICATION.

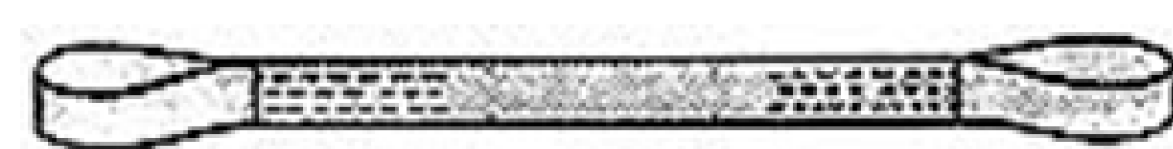
THE INSTALLATION INSTRUCTION IS TO DEMONSTRATE HOW TO UPGRADE ANTENNA WITH FIX TILT MOUNTING KIT BSAMNT-F/-2F TO ADJUSTABLE MECHANICAL TILT APPLICATION.



ALL FASTENERS MUST BE TIGHTENED TO THE DEFINED TORQUE VALUE AFTER ONSITE INSTALLATION TO THE SPECIFIED TILT POSITION, INCLUDING INSTALLATION AT 0 DEGREE, SEE MOUNTING KIT INSTALLATION DIAGRAMS ON FOLLOWING PAGES FOR CORRECT TORQUE RECOMMENDATIONS.

ITEM NO.	DESCRIPTION	BSAMNT-F/-2F QUANTITY	BSA-DT-34-H QUANTITY
1	PIPECLAMP BRACKET	2	-
2	BRACKET	2	-
3	NOTCHED BRACKET	-	1
4	BRACKET	-	1
5	M12 CLAMP BRACKET SCREW	4	-
6	M10 NUT	8	6
7	M10 FLAT WASHER	4	2
8	M10X40 SCREW	4	2
9	CARRIAGE BOLT M10	-	2
10	M12 NUT	12	4
11	M12 FLAT WASHER	4	2
12	M12 LOCK WASHER	4	-
13	CARRIAGE BOLT M12	-	2
14	M16 FLAT WASHER	4	-
15	ISOLATOR	4	-
16	PIPECLAMP BRACKET	2	-
17	M10 SPECIAL NUT	-	2
18	CUSHION	-	2

PART LISTS

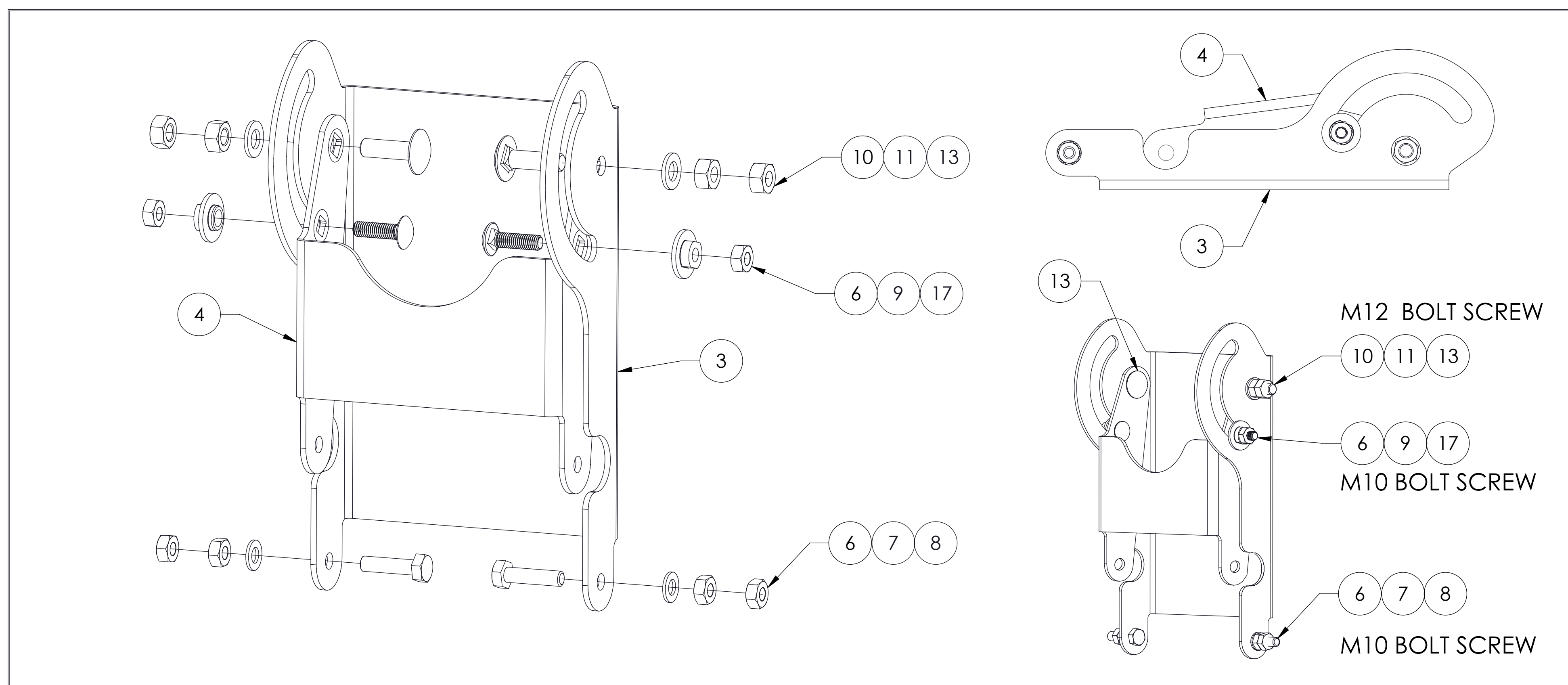


WEB SLING

TORQUE
WRENCH

TOOL	SIZE	TORQUE RANGE
TORQUE WRENCH	17mm	40N·m
	19mm	58N·m

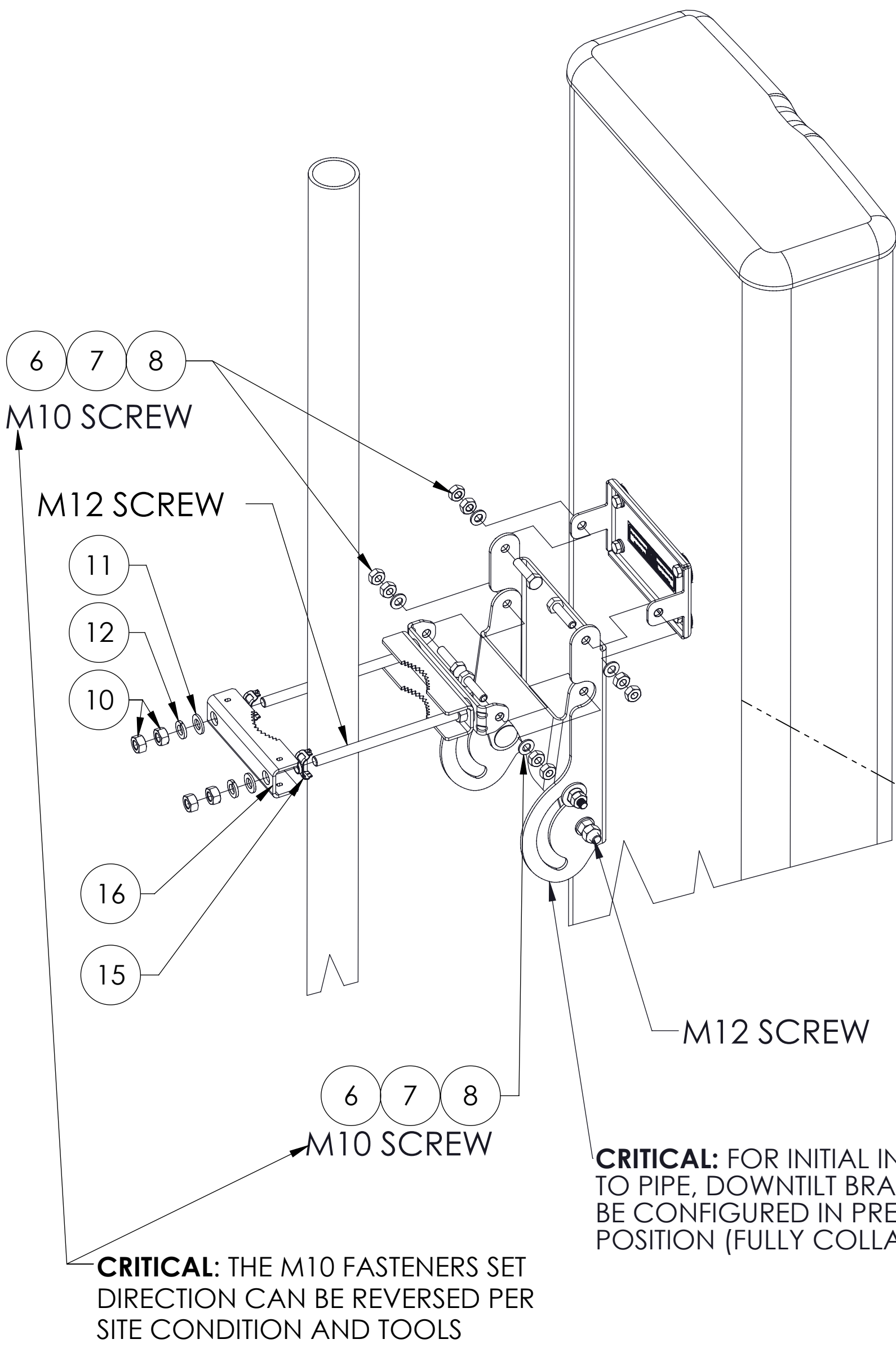
TABLE 1 INSTALLATION TOOLS LIST



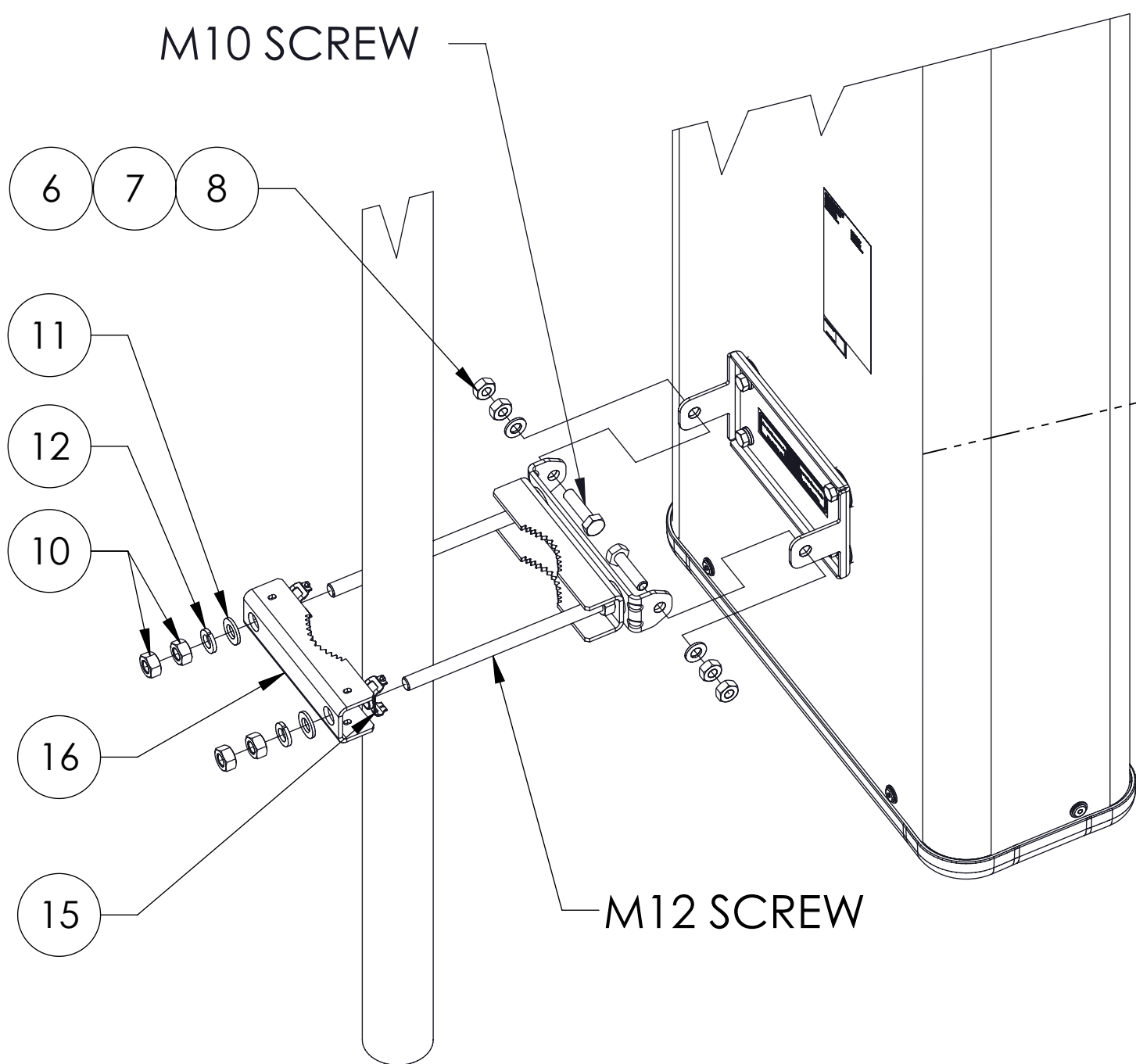
PREASSEMBLED BSA-DT-34-H

STEPS TO INSTALL BSA-DT-34-H:

- USE WEB SLING TO FIX THE ANTENNA. (TEMPORARY)
- REMOVE TOP M10 PIVOT SCREWS. (SEE PIC. 2)
- MOUNT BSA-DT-34-H (FULLY COLLAPSED) AS PER REQUIRED TORQUE VALUE. (SEE PIC. 1 & DETAIL A)

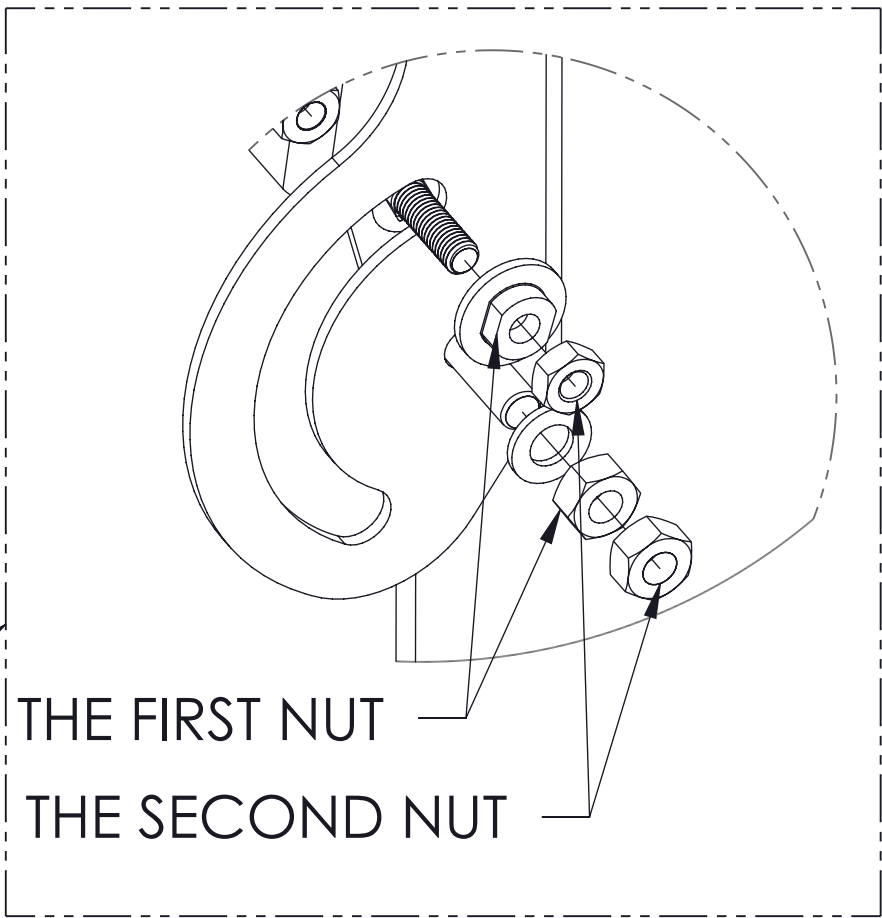


DETAIL A

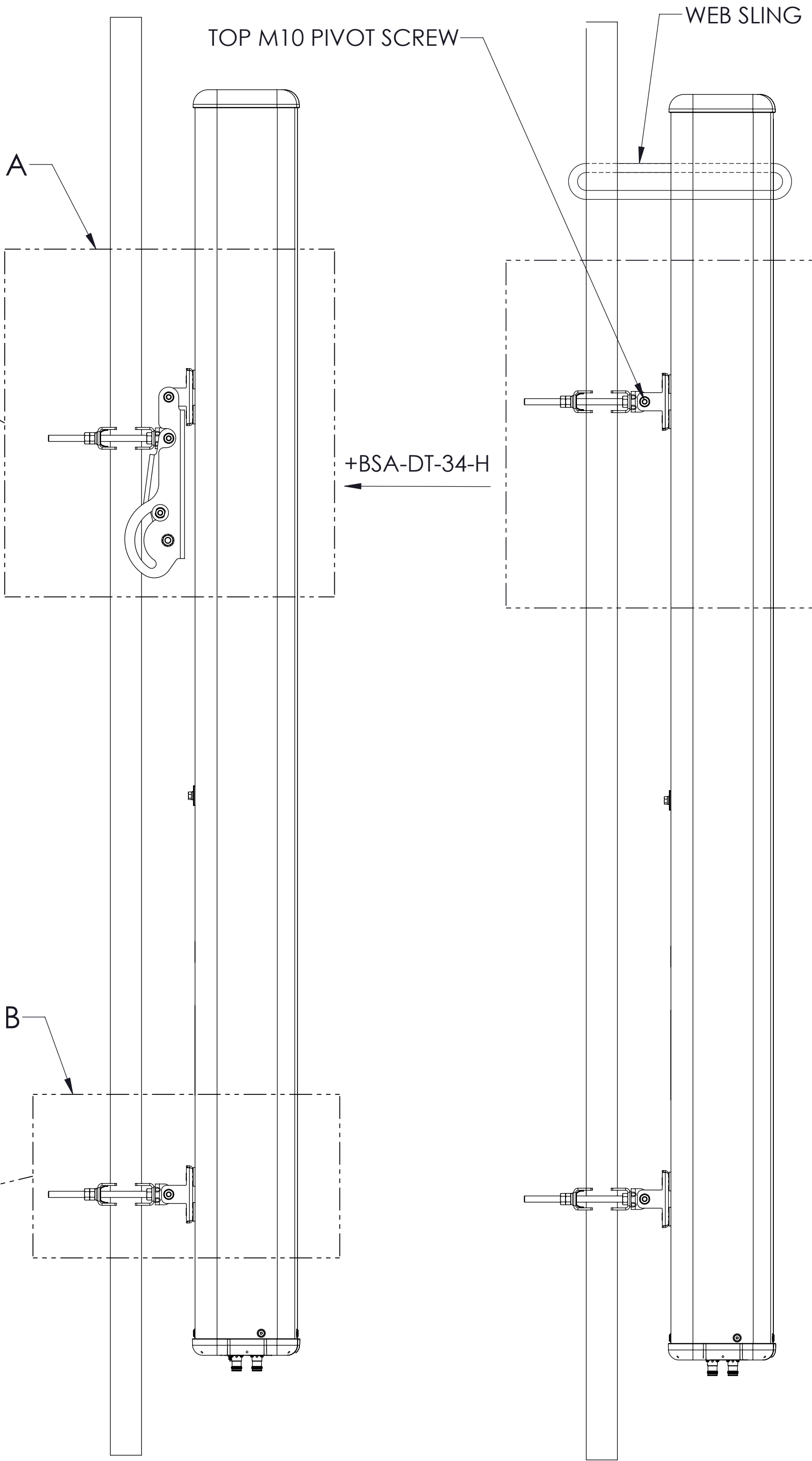


DETAIL B

CRITICAL: FOR DOUBLE NUTS INSTALLATION (SEE PIC. 3), MUST TIGHTEN THE FIRST NUT WITH REQUIRED TORQUE, THEN TIGHTEN THE SECOND NUT (ENSURE THE WRENCH WILL NOT AFFECT THE FIRST NUT).



PIC. 3



PIC. 1
BSAMNT-F/-2F + BSA-DT-34-H
ADJUSTABLE MECHANICAL TILT

PIC. 2
BSAMNT-F/-2F
FIXED TILT

REQUIRED TORQUE	
M10	40N·m (30ft·lb)
M12	58N·m (43ft·lb)

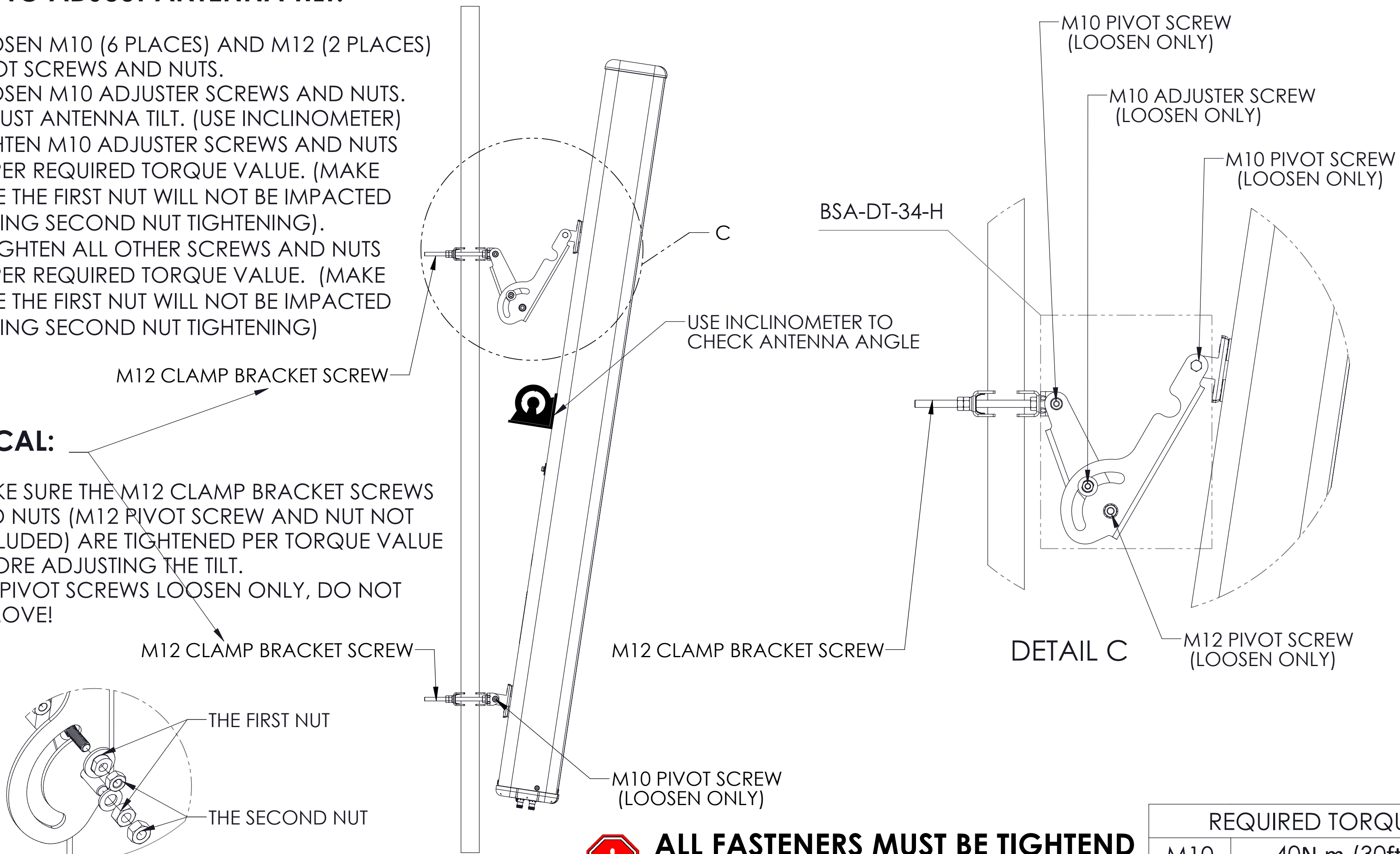
INSTALLATION OF BSA-DT-34-H ALONG WITH BSAMNT-F/-2F

STEPS TO ADJUST ANTENNA TILT:

- LOOSEN M10 (6 PLACES) AND M12 (2 PLACES) PIVOT SCREWS AND NUTS.
- LOOSEN M10 ADJUSTER SCREWS AND NUTS.
- ADJUST ANTENNA TILT. (USE INCLINOMETER)
- TIGHTEN M10 ADJUSTER SCREWS AND NUTS AS PER REQUIRED TORQUE VALUE. (MAKE SURE THE FIRST NUT WILL NOT BE IMPACTED DURING SECOND NUT TIGHTENING).
- RETIGHTEN ALL OTHER SCREWS AND NUTS AS PER REQUIRED TORQUE VALUE. (MAKE SURE THE FIRST NUT WILL NOT BE IMPACTED DURING SECOND NUT TIGHTENING)

CRITICAL:

- MAKE SURE THE M12 CLAMP BRACKET SCREWS AND NUTS (M12 PIVOT SCREW AND NUT NOT INCLUDED) ARE TIGHTENED PER TORQUE VALUE BEFORE ADJUSTING THE TILT.
- ALL PIVOT SCREWS LOOSEN ONLY, DO NOT REMOVE!



ALL FASTENERS MUST BE TIGHTEND TO THE DEFINED TORQUE VALUE.

ADJUSTING ANTENNA TILT

Remote Electrical Tilt Connection



The AISG connector fitted to the antenna is designed to accept any AISG compliant cable assembly, ANDREW recommends hand tightening AISG mating connector only. Applied torque to the connector shall not exceed 1.5N*m.

RF Cable Connection



The female RF connectors fitted to the antenna are designed to fit jumper cables with standard related male RF connector. Tighten the RF connector coupling according to torque specification in antenna label, if the RF connectors are tightened beyond the recommend torque, the RF connection to the antenna may be damaged.

SAFETY NOTICE

The installation, maintenance, or removal of an antenna requires qualified, experienced personnel. ANDREW installation instructions are written for such installation personnel. Antenna systems should be inspected once a year by qualified personnel to verify proper installation, maintenance, and condition of equipment.

ANDREW disclaims any liability or responsibility for the results of improper or unsafe installation practices.

It is recommended that transmit power be turned off when the field installation is performed. Follow all applicable safety precautions as shown on this page.



Do not install near power lines. Power lines, telephone lines, and guy wires look the same. Assume any wire or line can electrocute you.



Do not install on a wet or windy day or when lightning or thunder is in the area. Do not use metal ladder.



Wear shoes with rubber soles and heels. Wear protective clothing including a long-sleeved shirt and rubber gloves.