

P040-0152 REVISION B, June 2026
MOUNTING KITS FOR WIDE PANEL ANTENNAS
 BSAMNT-11 MOUNTING SYSTEMS FOR CYLINDRICAL PIPE INSTALLATIONS (60-115 MM PIPE DIAMETER)
 THIS DOCUMENT EXPLAINS HOW TO INSTALL AN ANTENNA WITH BSAMNT-11.



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-11 QUANTITY
1	CLAMP ASSY,TOP	1
2	CLAMP ASSY,BOT	1
3	SCISSOR BRACKET,REAR	1
4	SCISSOR BRACKET,FRONTAL	1
5	POLE CLAMP,REAR	2
6	M12 HEX-NUT	8
7	M10 CARRIAGE BOLT	10
8	M10 FLAT WASHER	2
9	M10 HEX-NUT	20
10	M12 FLAT WASHER	4
11	M10 FLAT WASHER	8
12	M12 SPLIT WASHER	4
13	M10 SPLIT WASHER	10



TORQUE WRENCH ACCURACY WITHIN 5% OF DEFINITION TORQUE VALUE

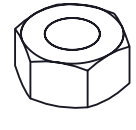
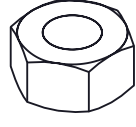
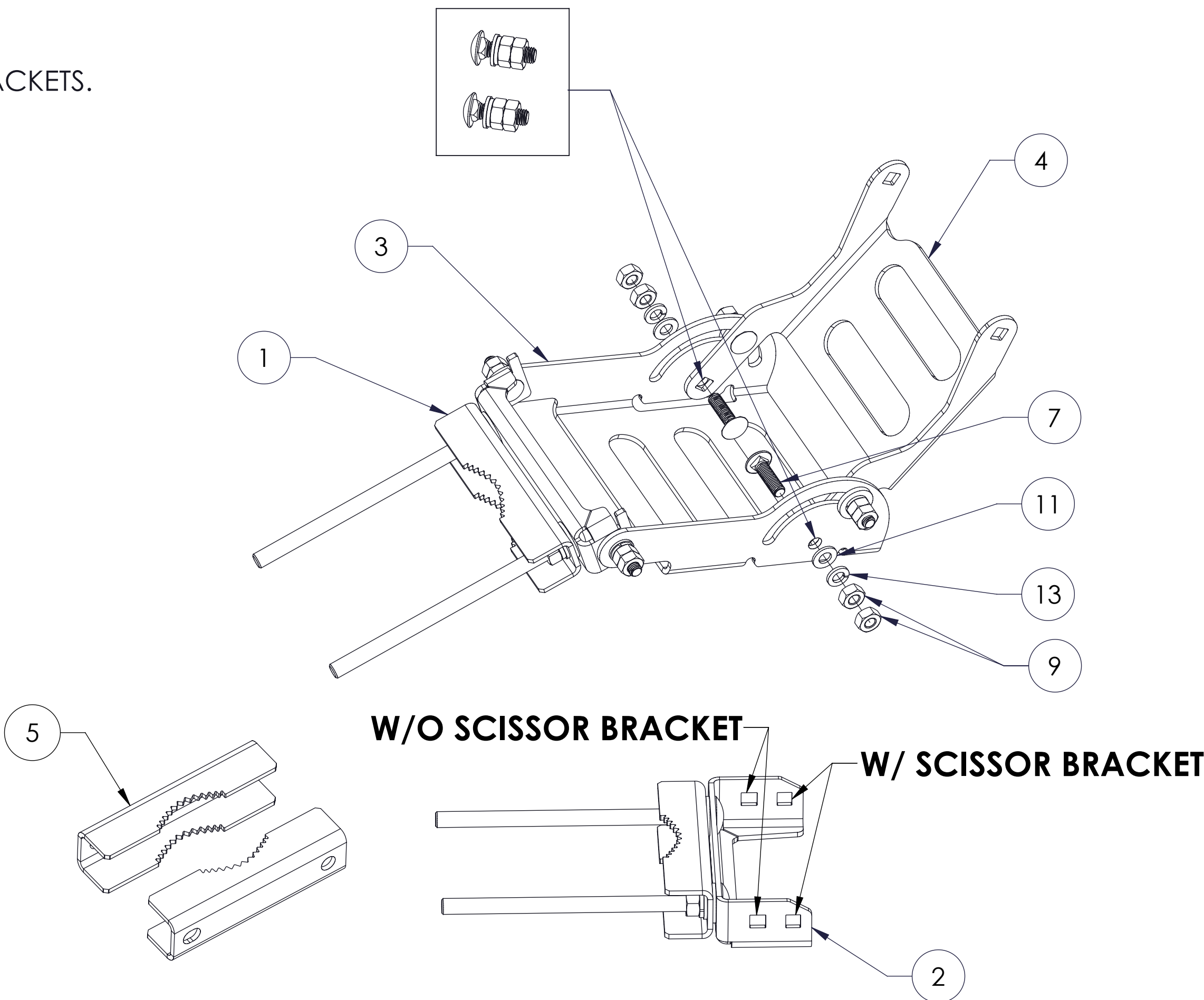
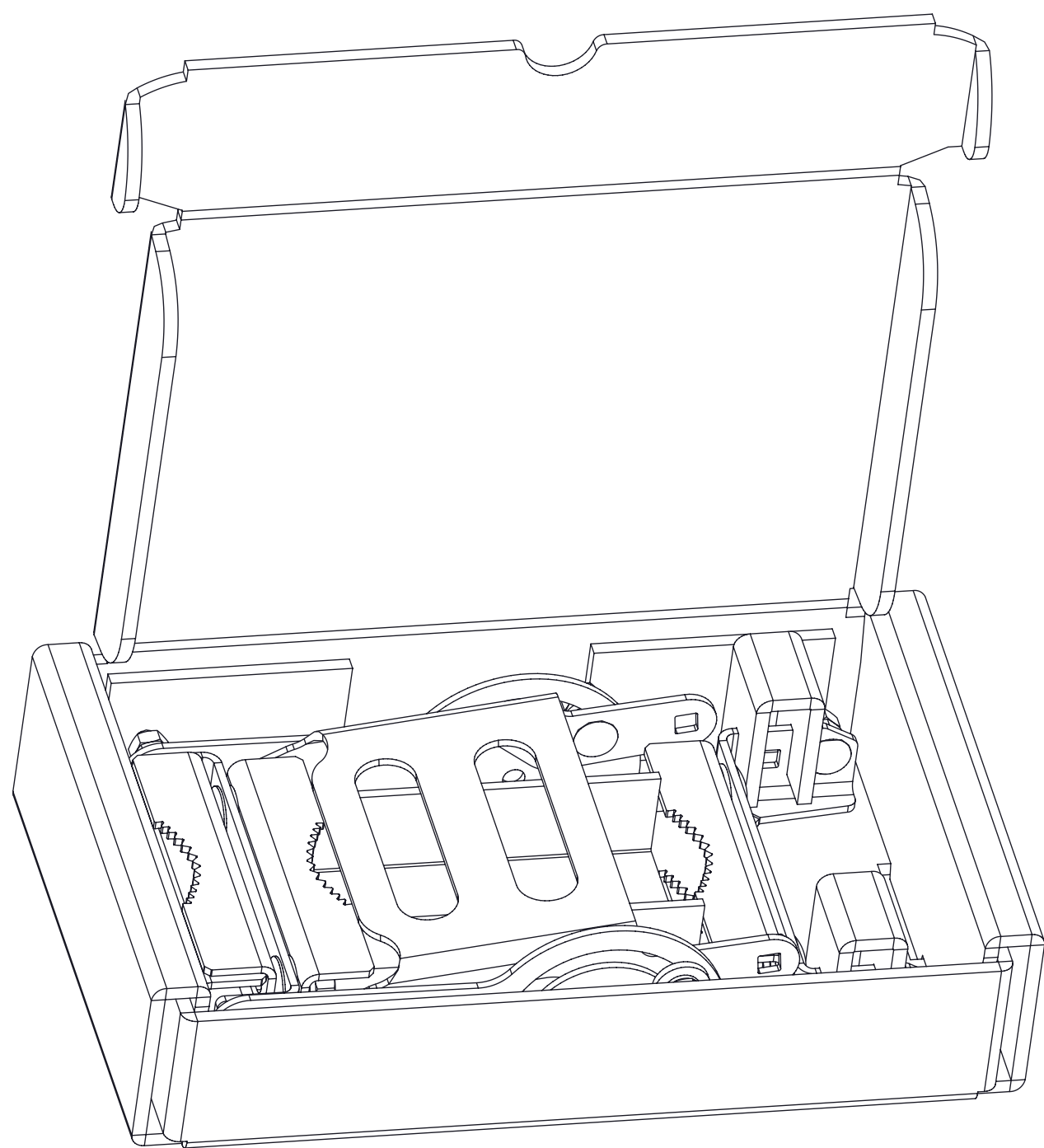
TOOL AND SIZE		CORRESPONDING FASTENERS	TORQUE
TORQUE WRENCH	17mm	M10 HEX-NUT 	40N·m (30ft·lb)
	19mm	M12 HEX-NUT 	60N·m (44ft·lb)

TABLE 1 INSTALLATION TOOLS LIST

PART LISTS

PROCEDURE:
 STEP 1: OPEN PACKAGE, REMOVE ALL COMPONENTS.
 STEP 2: ASSEMBLE M10 FASTENERS ONTO HINGE OF SCISSOR BRACKETS.



INSTALLATION PREPARATION (WITH DOWN TILT BRACKET)

REQUIRED TORQUE

M10	40N·m (30ft·lb)
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PROCEDURE:

STEP 1: ASSEMBLE MOUNTING KITS ONTO ANTENNA WITH FLAT WASHER, SPLIT WASHER AND M10 FASTENERS, TIGHTEN ALL M10 NUTS TO 40N·m (10 PLACES, 20EA NUTS), THE FIRST NUT TORQUE VALUE SHOULD NOT BE IMPACTED DURING THE SECOND NUT INSTALLATION, DETAIL E. AT TOP SIDE, MAKE SURFACE OF SCISSOR BRACKET PARALLEL TO ANTENNA REAR SURFACE.

STEP 2: BIND LIFTING SLING ONTO BOTTOM BRACKET, AS DETAIL A SHOWS, ROUTE LIFTING SLING THROUGH THE SCISSOR BRACKETS AT TOP BRACKET AS PICTURE SHOW.

FIRST NUT

SECOND NUT

DETAIL E

14

9

12

7

DETAIL A

USE THIS HOLE FEATURE FOR THE CONFIGURATION WITH TILT BRACKET

7

12

14

9

DETAIL B

KEEP TWO SURFACES PARALLEL AND TORQUE ALL M10 NUTS TO 40N·m

ASSEMBLE BSAMNT-11 ONTO ANTENNA (WITH DOWN TILT BRACKET)

REQUIRED TORQUE

M10	40N·m (30ft·lb)
M12	60N·m (44ft·lb)

PROCEDURE:

STEP 1: ASSEMBLE POLE CLAMP, FLAT WASHER, SPLIT WASHER AND M12 FASTENERS (4 PLACES, 8EA NUTS) AT REAR SIDE. IT IS ALLOWABLE TO LOOSEN M10 FASTENERS TO KEEP ANTENNA VERTICAL.

STEP 2: TORQUE ALL M12 NUTS TO 60N·m (4 PLACES, 8EA NUTS). THE FIRST NUT TORQUE VALUE SHOULD NOT BE IMPACTED DURING THE SECOND NUT INSTALLATION, DETAIL E.

STEP 3: TORQUE ALL M10 NUTS TO 40N·m (10 PLACES, 20EA NUTS). THE FIRST NUT TORQUE VALUE SHOULD NOT BE IMPACTED DURING THE SECOND NUT INSTALLATION, DETAIL E.

FIRST NUT

SECOND NUT

DETAIL E

10

12

6

5

IT IS ALLOWABLE TO LOOSEN M10 NUTS TO ADJUST ANTENNA TO VERTICAL STATUS.

10

12

6

5

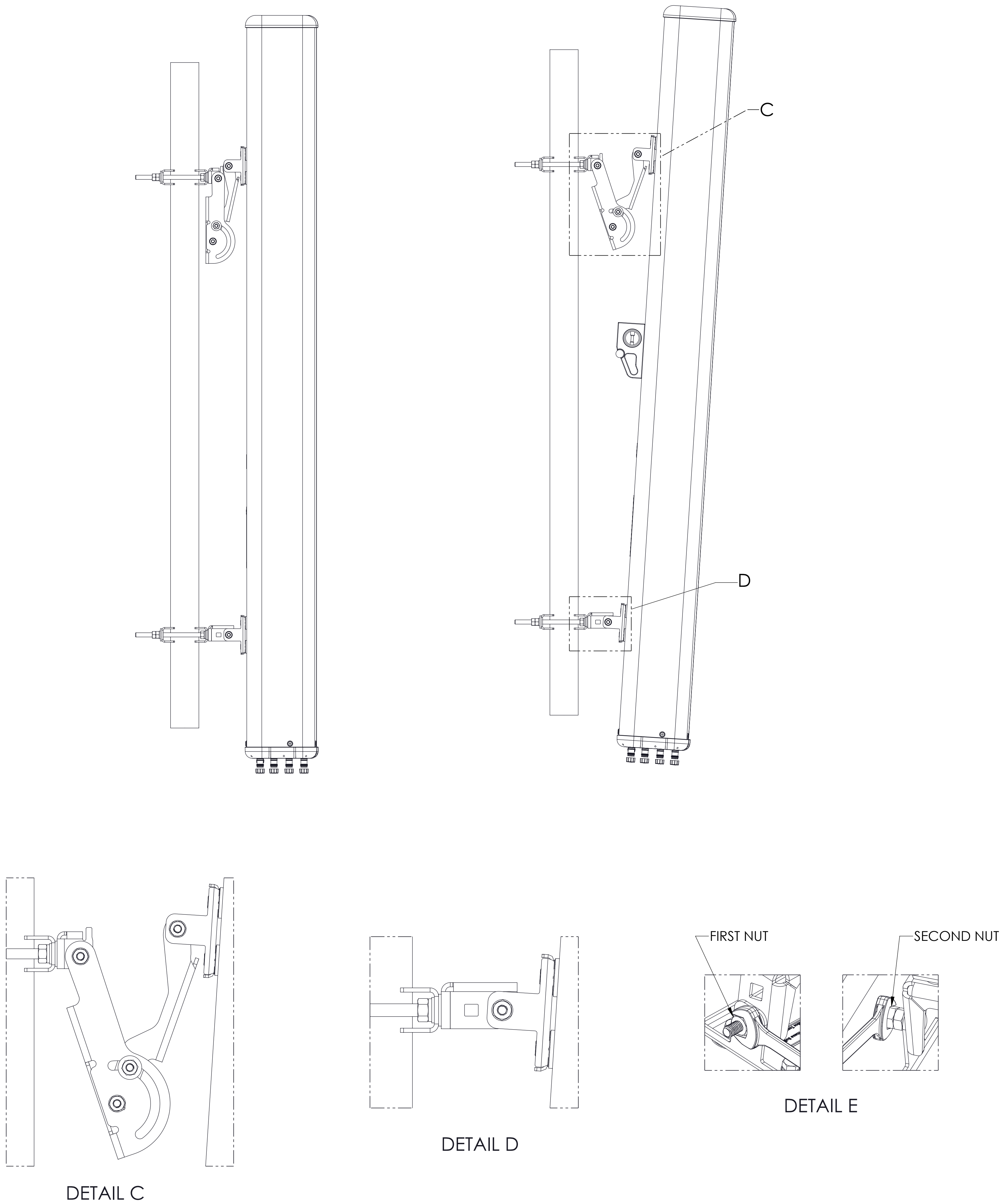
FIX ASSEMBLY ONTO POLE

PROCEDURE:

STEP 1: LOOSEN ALL M10 NUTS TO ABOUT 10N·m (10 PLACES, 20EA NUTS), AS DETAIL C AND D.

STEP 2: ADJUST MECHANICAL TILT WITH INCLINOMETER UNTIL THE ANGLE REACHES REQUIRED VALUE.

STEP 3: TORQUE ALL M10 NUTS TO 40N·m (10 PLACES, 20EA NUTS). THE FIRST NUT TORQUE VALUE SHOULD NOT BE IMPACTED DURING THE SECOND NUT INSTALLATION, DETAIL E.



REQUIRED TORQUE	
M10	40N·m (30ft·lb)

ADJUSTING ANTENNA TILT - 2 POINT MOUNT

REQUIRED TORQUE

M10

40N·m (30ft·lb)

BSAMNT-11 IS AVAILABLE TO ASSEMBLE ONTO ANTENNA BY REMOVING DOWN TILT BRACKET.

PROCEDURE:

STEP 1: ASSEMBLE CLAMP ASSY ONTO ANTENNA WITH FLAT WASHER, SPLIT WASHER AND M10 FASTENERS, TIGHTEN ALL M10 NUTS TO 40N·m (4 PLACES, 8EA NUTS), THE FIRST NUT TORQUE VALUE SHOULD NOT BE IMPACTED DURING THE SECOND NUT INSTALLATION, DETAIL E. AT BOTTOM SIDE, PAY ATTENTION THE INTERFACE MUST BE THE ELONGATED HOLE FEATURE.

STEP 2: OTHER STEPS FOLLOW PROCEDURE OF BSAMNT-11 WITH DOWN TILT BRACKET.

FIRST NUT

SECOND NUT

DETAIL E

USE ELONGATED HOLE FOR THE CONFIGURATION WITHOUT TILT BRACKET

DETAIL F

DETAIL G

ASSEMBLE BSAMNT-11 ONTO ANTENNA WITHOUT DOWN TILT BRACKET

REMOTE ELECTRICAL TILT CONNECTION

RF CABLE 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.

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.