

1.0 GENERAL NOTES

1.1 ALL DIMENSIONS ARE IN MM, IMPERIAL DIMENSIONS ARE IN INCHES AND SHOWN IN BRACKETS [X.X]

2.0 DESIGN NOTES

3.0 MANUFACTURING/SPECIAL REQUIREMENTS

3.1 TIGHTEN HARDWARES, TORQUE VALUE ARE SHOWN BELOW AS REFERENCE,  
M4: TORQUE 19.50 IN-LB OR 2.2 N-M  
M5: TORQUE 23.0 IN-LB OR 2.6 N-M  
M6: TORQUE 40.0 IN-LB OR 4.5 N-M (W/ CLIP NUT)  
M6: TORQUE 46.0 IN-LB OR 5.2 N-M (W/ THREADED CAST AL)  
1/4-20: TORQUE 4.8 FT-LB OR 6.6 N-M

3.2 CONFIGURATIONS AND QUANTITY OF EQUIPMENTS IN INSTALLATION ARE LISTED ON TABLE.

| NOKIA CONFIGURATION | 3.2 APPROVED NOKIA RADIO CONFIGURATIONS |      |      |          |        |
|---------------------|-----------------------------------------|------|------|----------|--------|
|                     | AHIB                                    | AZRB | AHFB | DIPLEXER | RAYCAP |
| 1                   | 1                                       | 1    | 1    |          |        |
| 2                   | 1                                       | 1    | 1    | 1        |        |
| 3                   | 2                                       |      |      | 1        | 1      |

| SAMSUNG CONFIGURATION | 3.2 APPROVED SAMSUNG RADIO CONFIGURATIONS |             |            |          |        |
|-----------------------|-------------------------------------------|-------------|------------|----------|--------|
|                       | CBRS RT4401                               | CBRS RT4423 | LAA RT2201 | DIPLEXER | RAYCAP |
| 1                     | 1                                         |             | 1          |          |        |
| 2                     | 1                                         |             | 1          | 1        | 1      |
| 3                     |                                           | 1           | 1          |          |        |
| 4                     |                                           | 1           | 1          | 1        | 1      |

| REVISIONS |                                                |                   |                       |
|-----------|------------------------------------------------|-------------------|-----------------------|
| REV.      | DESCRIPTION                                    | DATE              | BY                    |
| A         | INITIAL RELEASE                                | JP1130<br>23JUL19 | JP1130<br>8000036113  |
| B         | UPDATING DIPLEXER INSTALLATION                 | BL1053<br>28JAN20 | BL1053<br>8000039032  |
| C         | ADDED NEW RRU & DIPLEXER INFO                  | CB1074<br>15DEC20 | CB1074<br>8000043919  |
| D         | ADDED SAMSUNG RRU INSTALLATION                 | LL1090<br>08MAR22 | LL1090<br>40144487CMO |
| E         | ADDED SAMSUNG CONFIGURATION 3 & 4 INSTALLATION | NSUN<br>05JUL24   | JX1002<br>40199706CMO |
| F         | UPDATED VIEW FOR MTM1082-1704 CHANGES          | DM1121<br>27NOV24 | JX1002<br>40209767CMO |

DENSITY

MASS

VOLUME

SURFACE AREA

HEIGHT

LENGTH

WIDTH

lbs/in³

lbs

in³

in²

SIZE

WORK AREA

INSL

VERSION

STATUS

REVISION

MODEL

DRAWING

SHEET

1 OF 9

COMMSCOPE, INC. OF NORTH CAROLINA

TOLERANCES

1 PLACE .X ± 0.2[6.3]

2 PLACE .XX ± 0.12[3.0]

3 PLACE .XXX ± 0.060[1.5]

ANGLES ± 2°

SAP MATERIAL MASTER

FINISH

MATERIAL

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
INTERPRET PER ANSI Y 14.5M-1994

NAME

DATE

TITLE

CE

JP1130

07/23/2019

RW

DM1121

11/29/2024

RV

AD

JX1002

12/03/2024

RE

MS1288

12/05/2024

ECN 40209767CMO

SCALE

DOCUMENT NO.

1:4

760236577N20 INSTALL

SCALE

DOCUMENT NO.

1:4

760236577N20 INSTALL

SIZE

WORK AREA

INSL

VERSION

STATUS

REVISION

MODEL

DRAWING

SHEET

1 OF 9

SIZE

WORK AREA

INSL

VERSION

STATUS

REVISION

MODEL

DRAWING

SHEET

1 OF 9

SIZE

WORK AREA

INSL

VERSION

STATUS

REVISION

MODEL

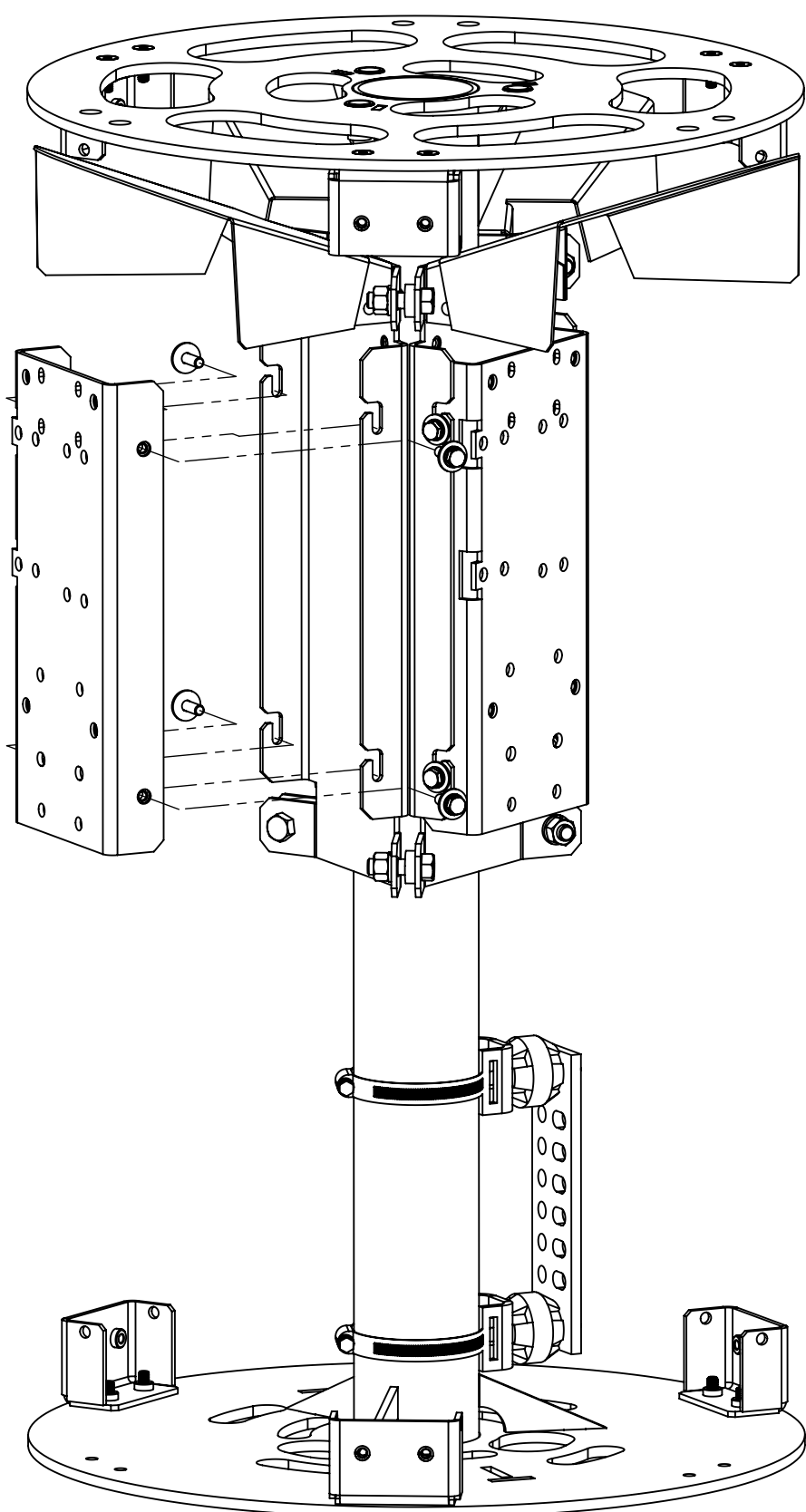
DRAWING

SHEET

1 OF 9

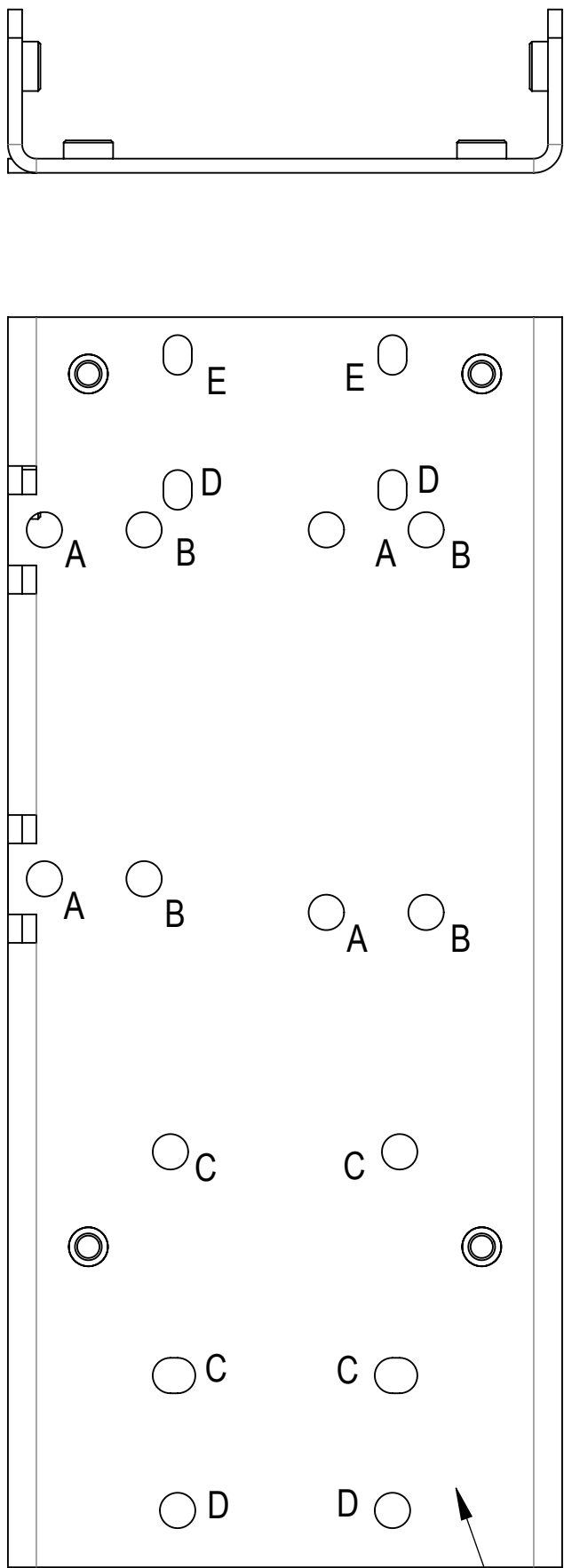
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RADIO ADAPTER PLATE AND RADIO INSTALL TYPICAL

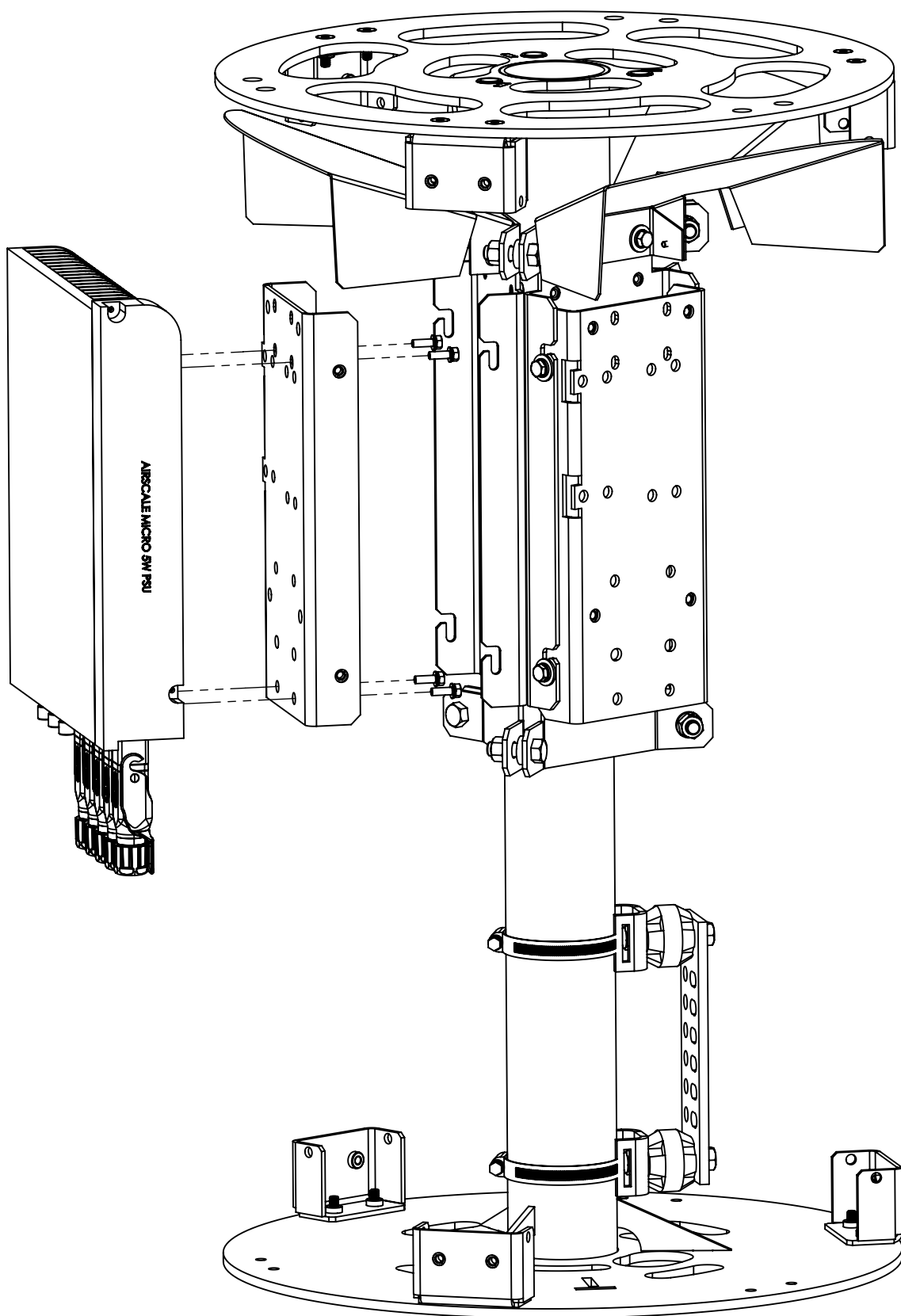


STEP 1

UNINSTALL THE RADIO BRACKET AS SHOWN



- RADIO INSTALLATION
- "A" SAMSUNG CBRS RT4401 +PSU
  - "B" SAMSUNG CBRS RT4423 (NO PSU)
  - "C" SAMSUNG LLA RT2201
  - "D" NOKIA AHFB
  - "D" NOKIA AHIB
  - "E & D" NOKIA AZRB
  - "E & D" NOKIA AZQC

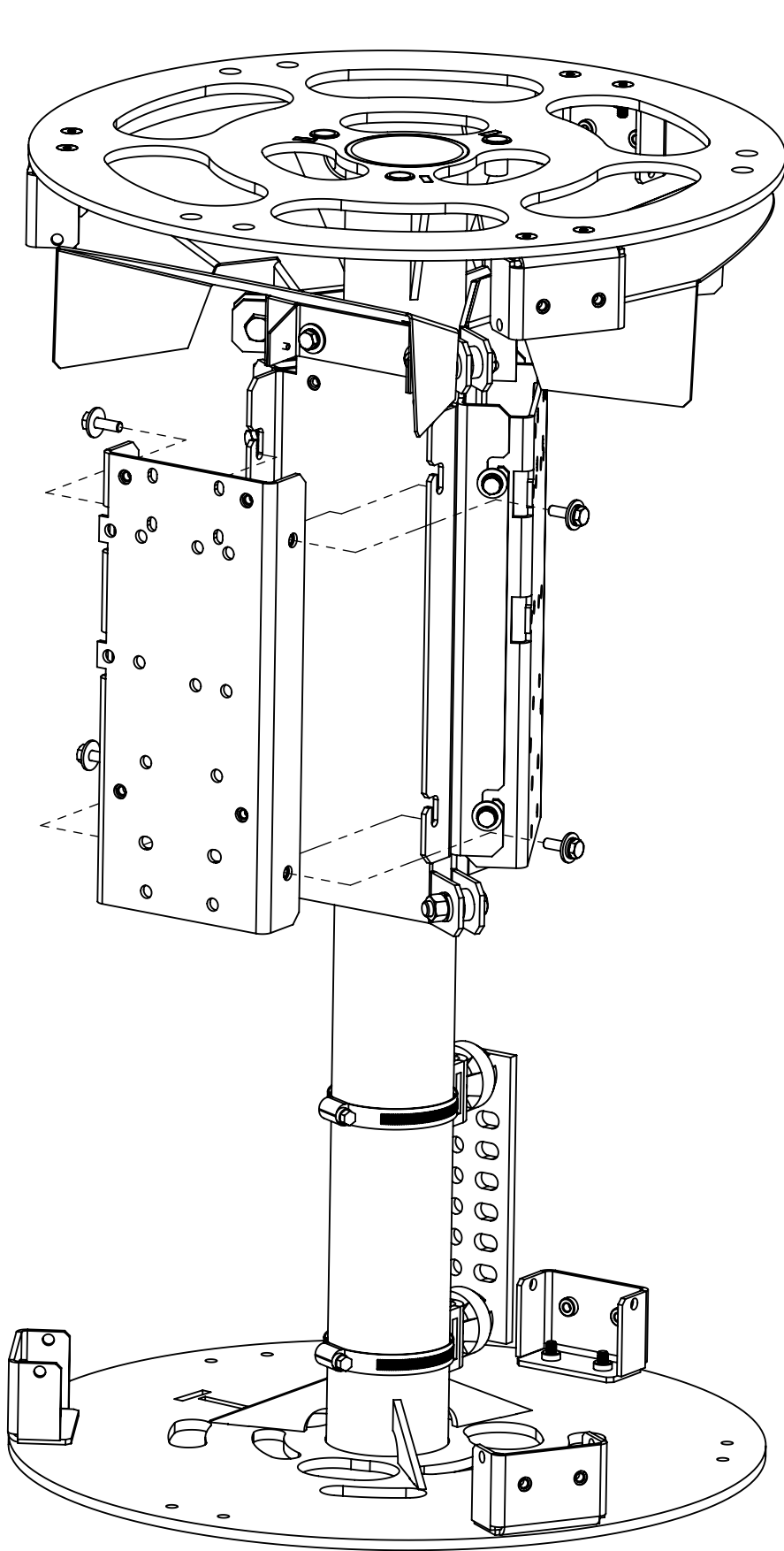


STEP 2

INSTALL RADIO TO THE BRACKET USING 4 SETS OF M5/6 BOLTS, LOCK WASHERS AND FLAT WASHERS

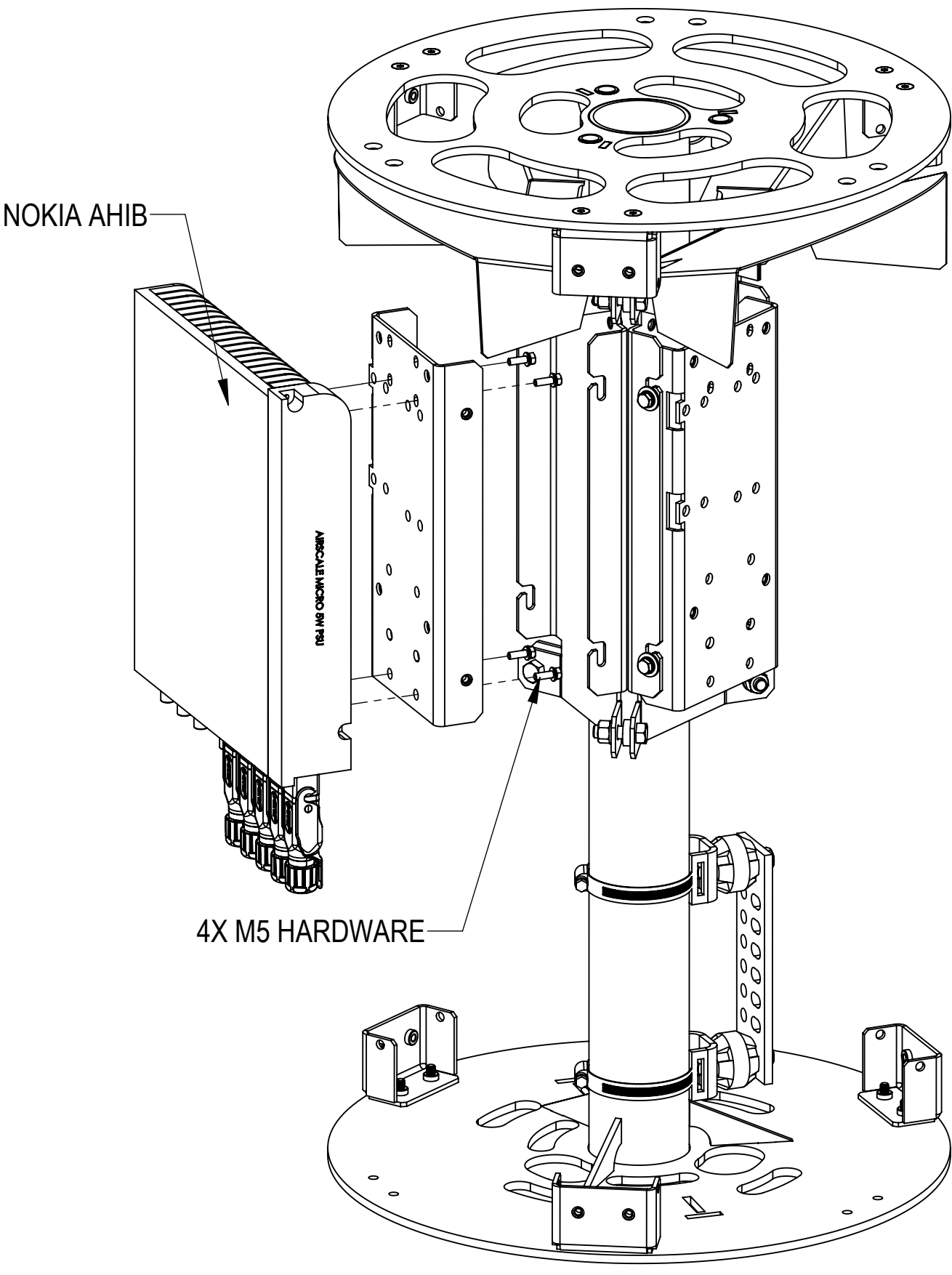
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| COMMScope, Inc. of North Carolina |        |                      |  |        |
| TITLE                             |        |                      |  |        |
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| DRAWING                           |        |                      |  | SHEET  |
| VERSION                           | STATUS | REVISION             |  |        |
| 06                                | RE     | F                    |  | 2 OF 9 |

NOKIA CONFIGURATION 1 : AHIB AZRB AND AHFB



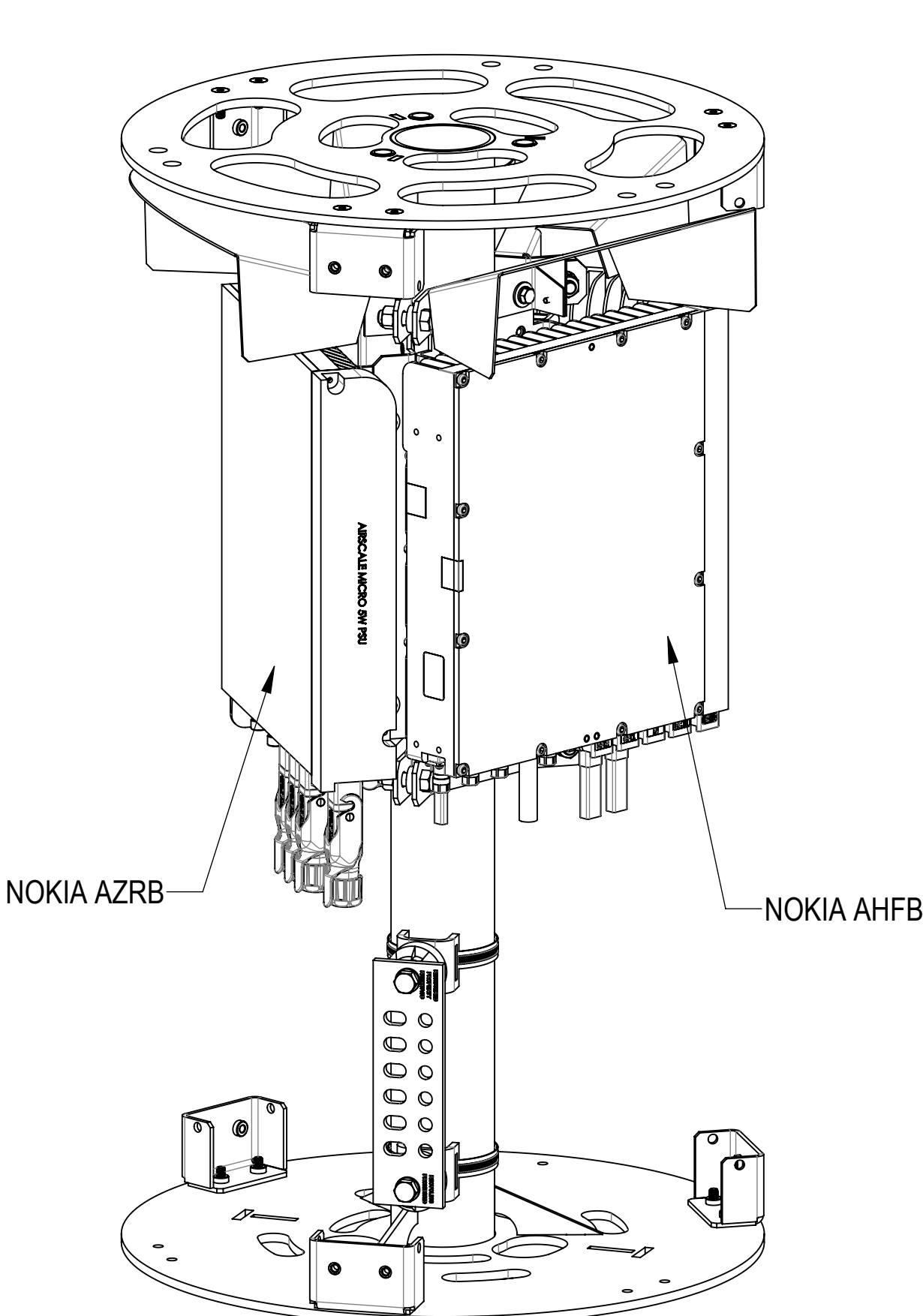
STEP 1

UNINSTALL THE RADIO BRACKET AS SHOWN



STEP 2

INSTALL THE AHIB TO THE BRACKET USING 4 SETS OF M5 BOLTS,  
LOCK WASHERS AND FLAT WASHERS

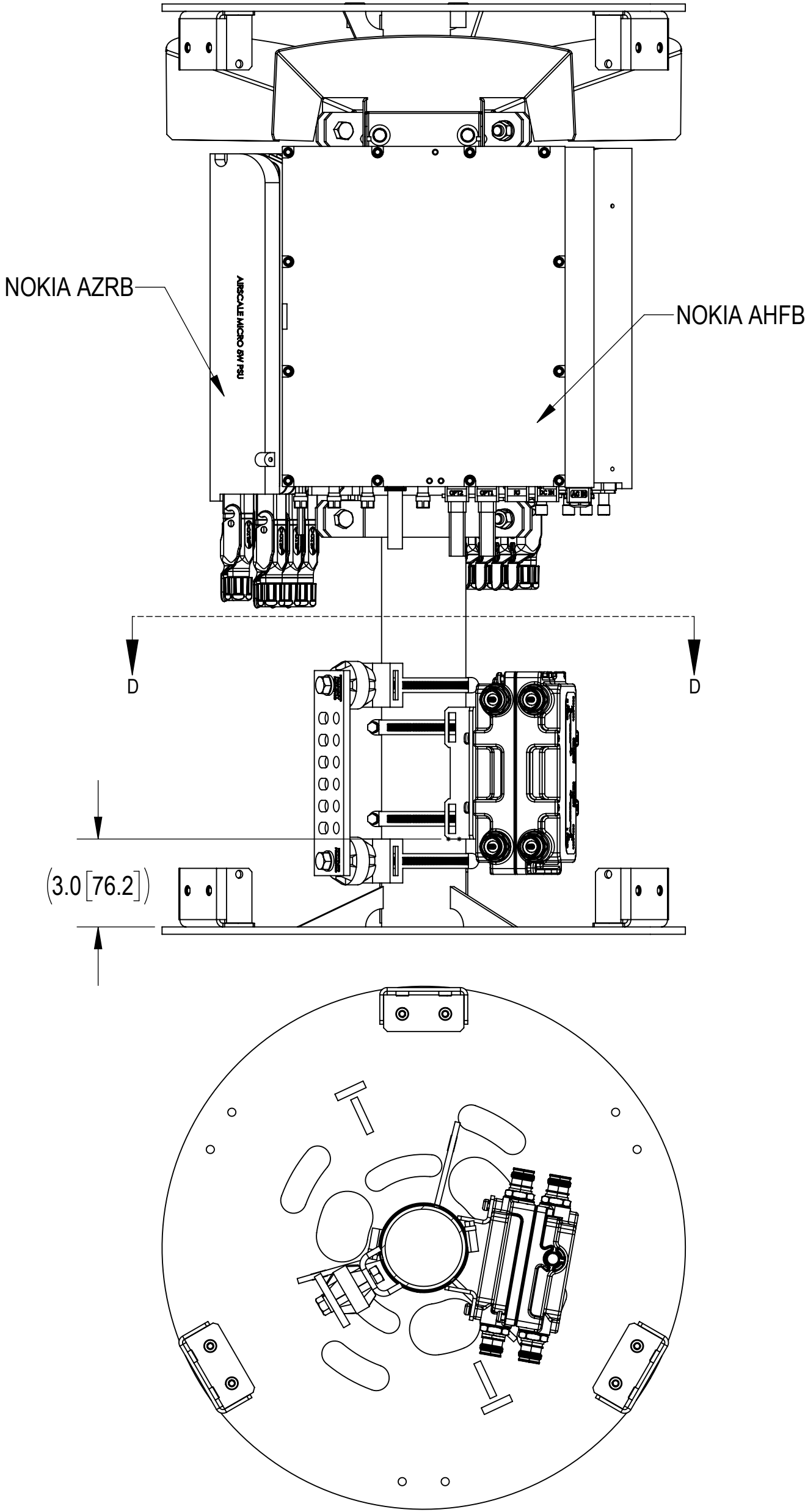


STEP 3

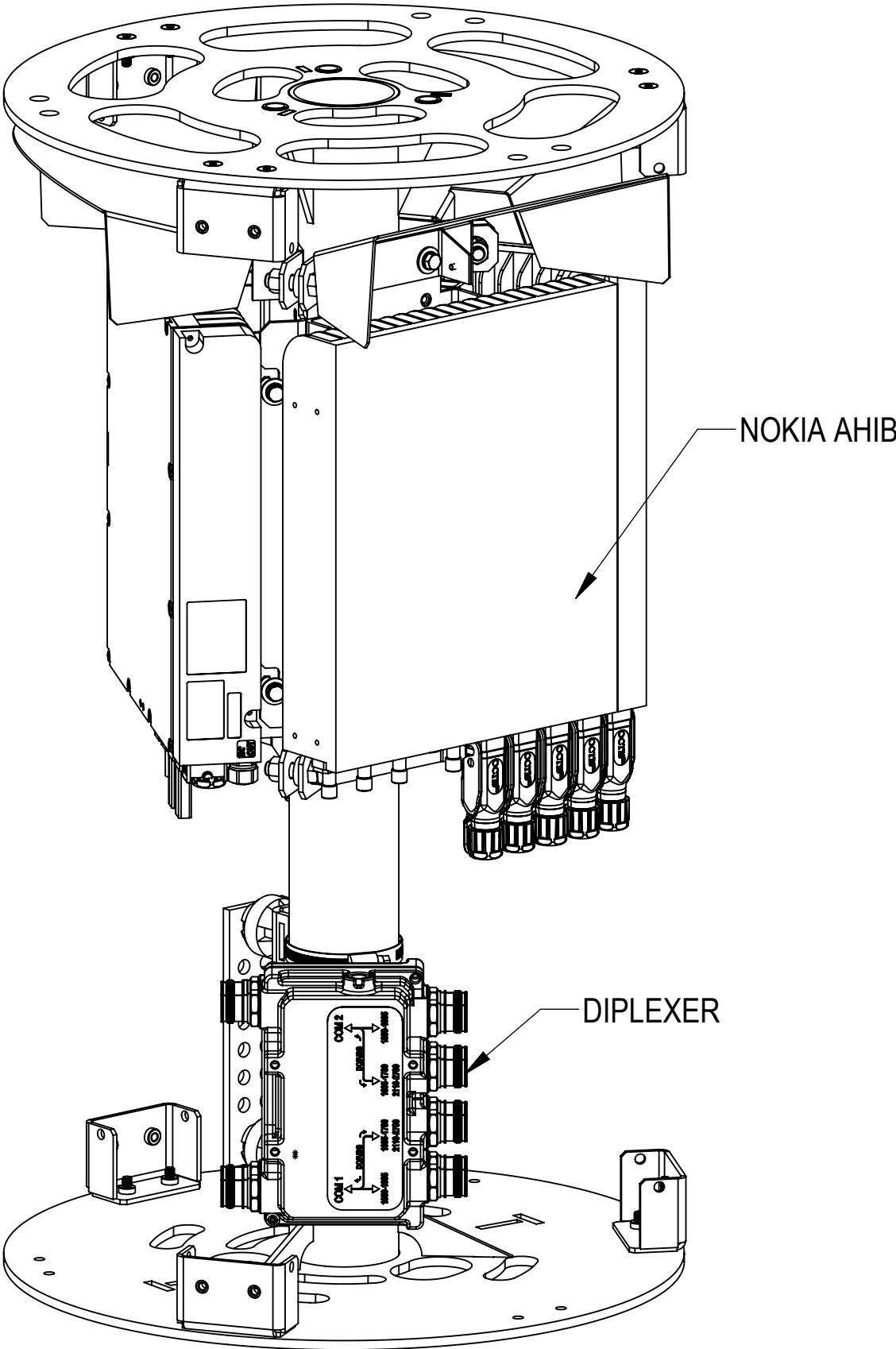
REPEAT STEP 1 AND 2 FOR INSTALLING OTHER 2 RADIOS

|                                                                                                                                                                             |       |                      |        |          |                 |
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|                                                                                                                                                                             |       | VERSION              | STATUS | REVISION |                 |
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NOKIA CONFIGURATION 2 : AHIB AZRB AHFB AND DIPLEXER



DIPLEXER INSTALLATION OPTION WITH 3  
RADIO

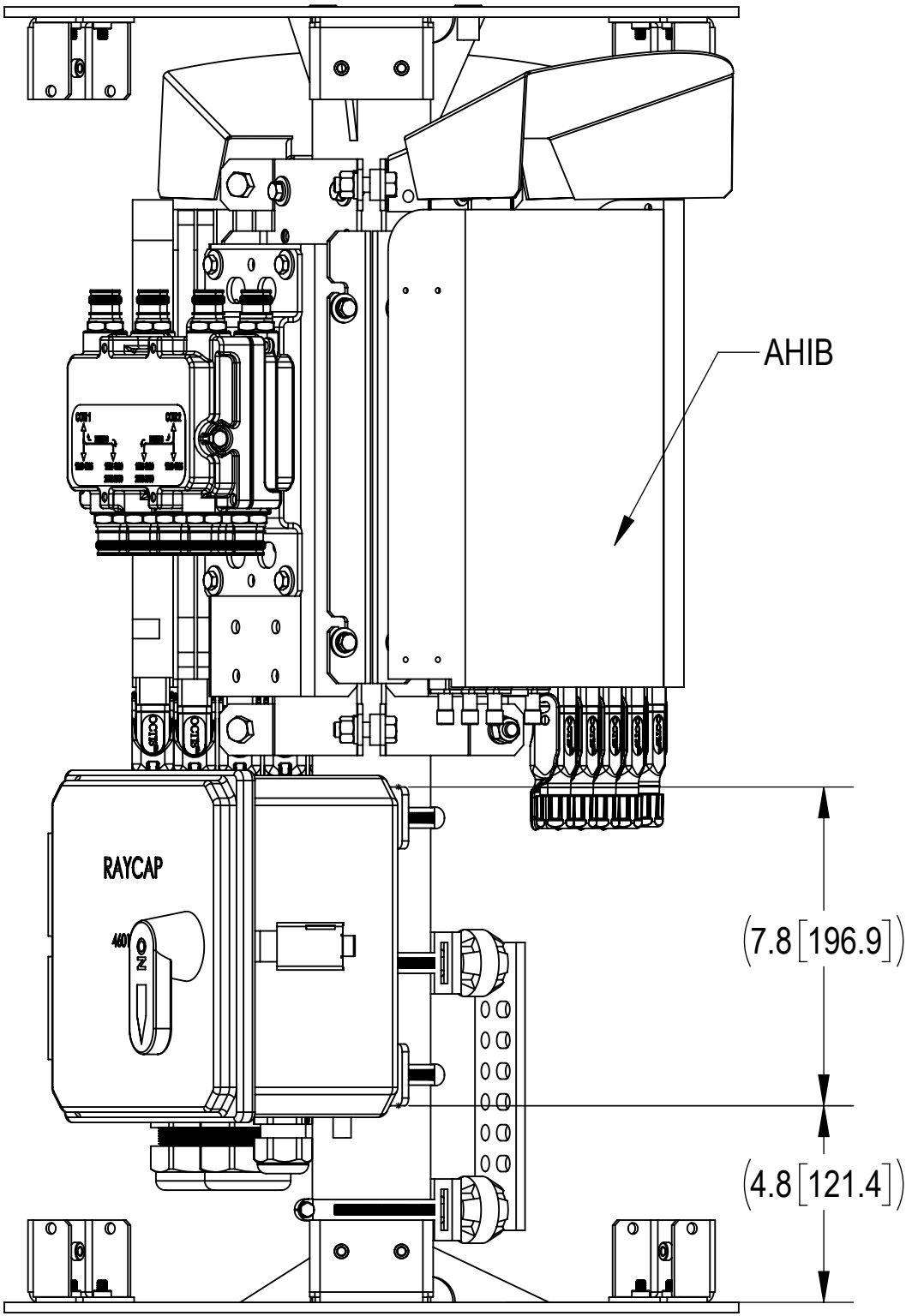
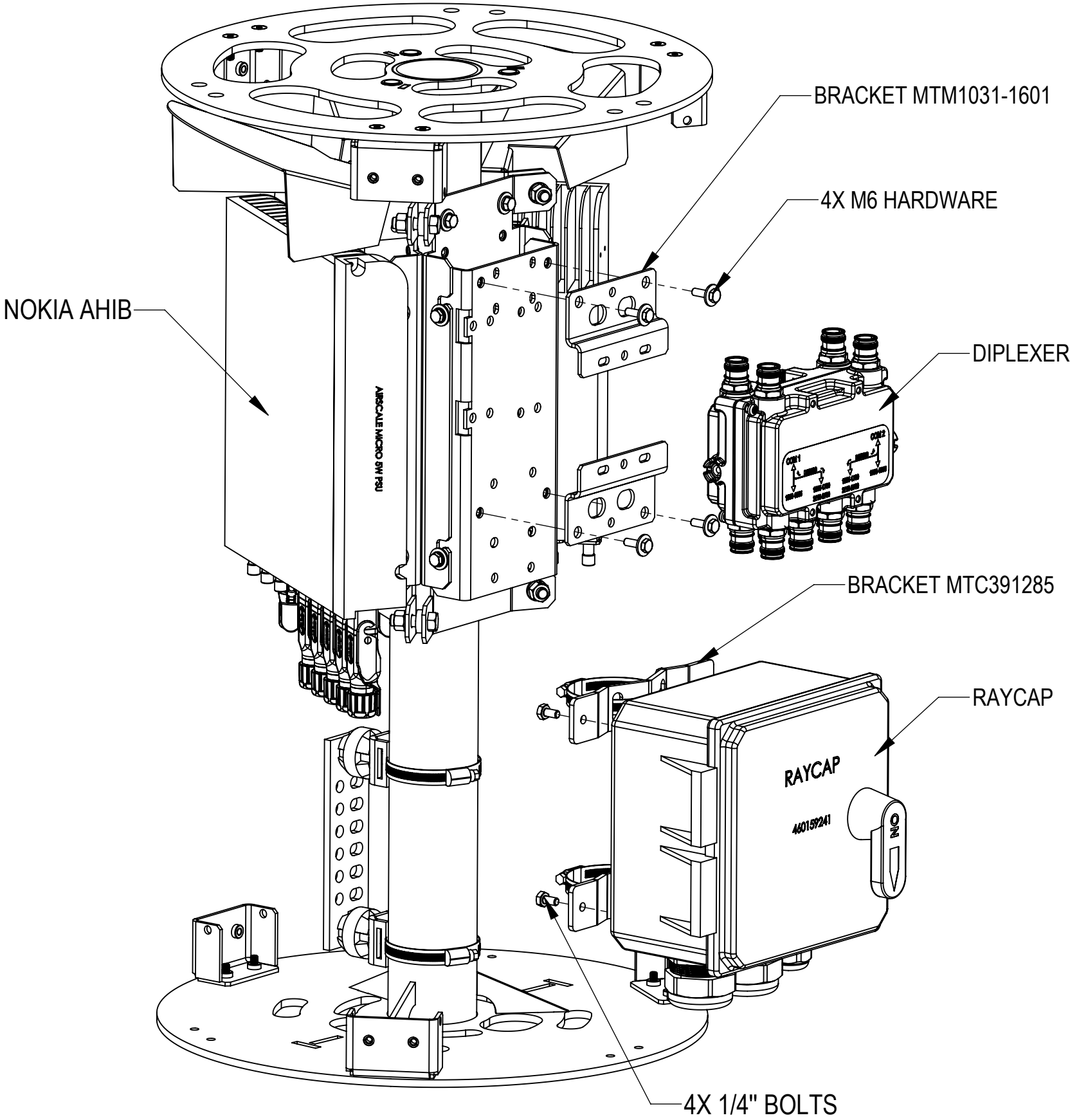


DIPLEXER  
INSTALL THE BANDED DIPLXER MOUNTING BRACKET (SUPPLIED IN THE HARDWARE BAG KIT) TO THE DIPLEXER USING EXISTING SCREWS THAT COMES WITH DIPLEXER.

INSTALL TO THE POLETOP WELDMENT USING 2X ROUND CLAMPS. DIPLEXER SHOULD BE APPROXIMATELY LOCATED AND ORIENTED AS SHOWN IN THE VIEWS FOR BEST CLEARANCE TO RADIO CABLES.

|                                   |        |                      |                 |
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| DRAWING                           |        |                      | SHEET<br>4 OF 9 |
| VERSION                           | STATUS | REVISION             |                 |
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NOKIA CONFIGURATION 3 : 2X AHIB & DIPLEXER AND RAYCAP



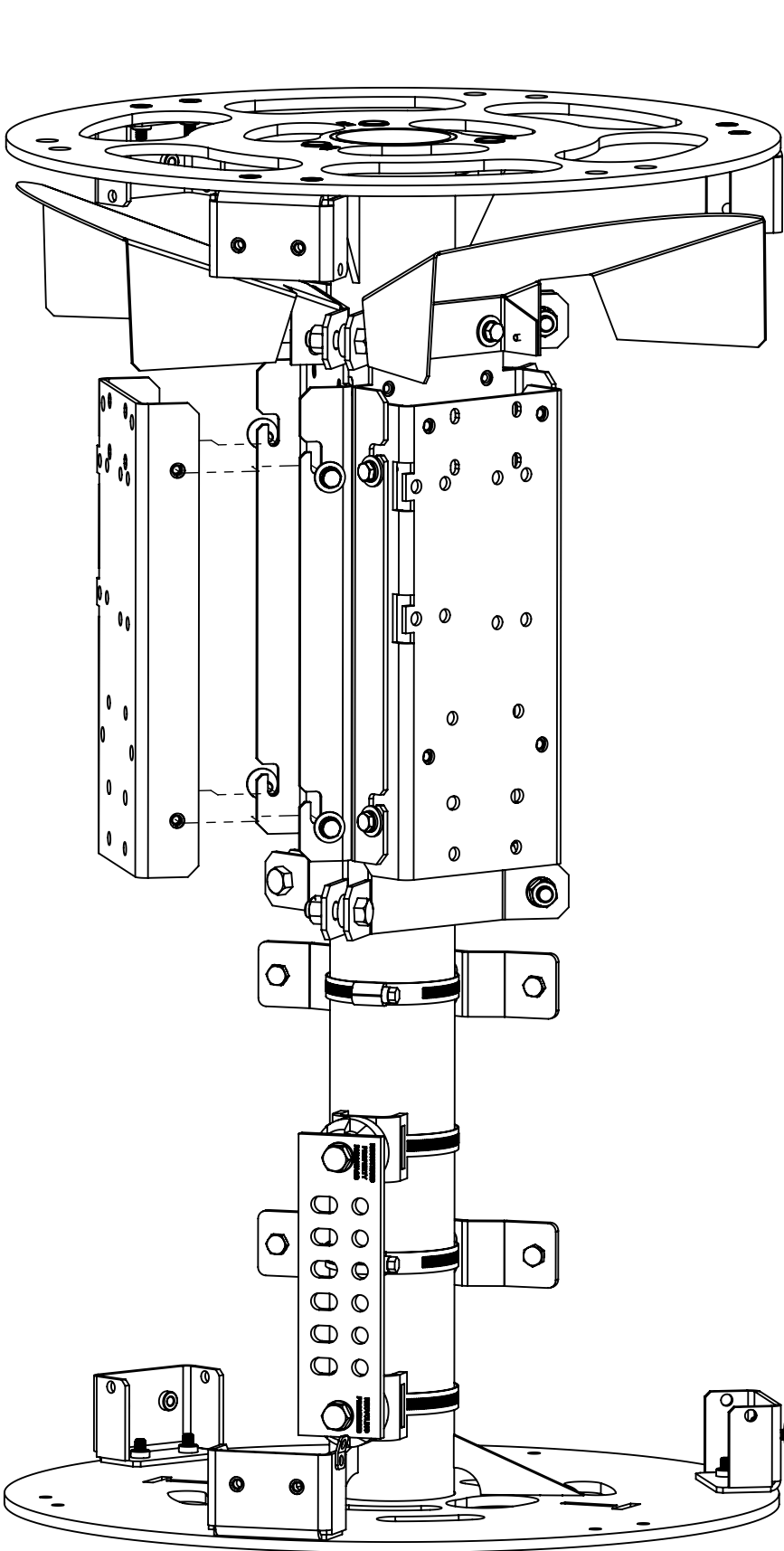
**DIPLEXER**  
INSTALL THE DIPLEXER USING 4 SETS OF M6 BOLTS, LOCK WASHERS AND FLAT WASHERS

**RAYCAP**  
INSTALL THE BANDED RAYCAP MOUNTING BRACKET (SUPPLIED IN THE HARDWARE BAG KIT) TO THE RAYCAP USING 4X 1/4" BOLTS.

INSTALL TO THE POLETOP WELDMENT USING 2X ROUND CLAMPS. RAYCAP SHOULD BE APPROXIMATELY LOCATED AND ORIENTED AS SHOWN IN THE VIEWS.

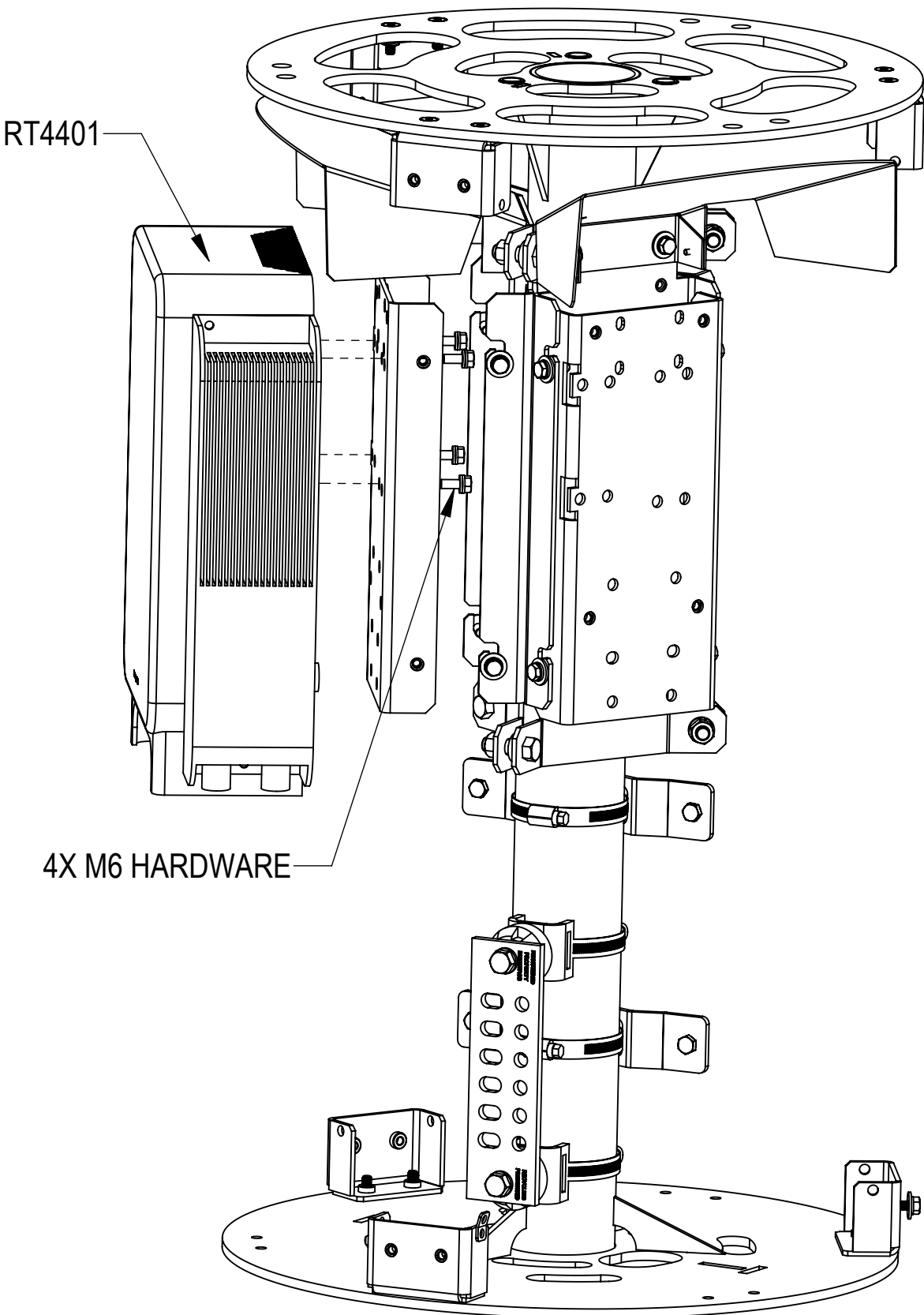
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SAMSUNG CONFIGURATION 1 : CBRs RT4401 AND LAA RT2201



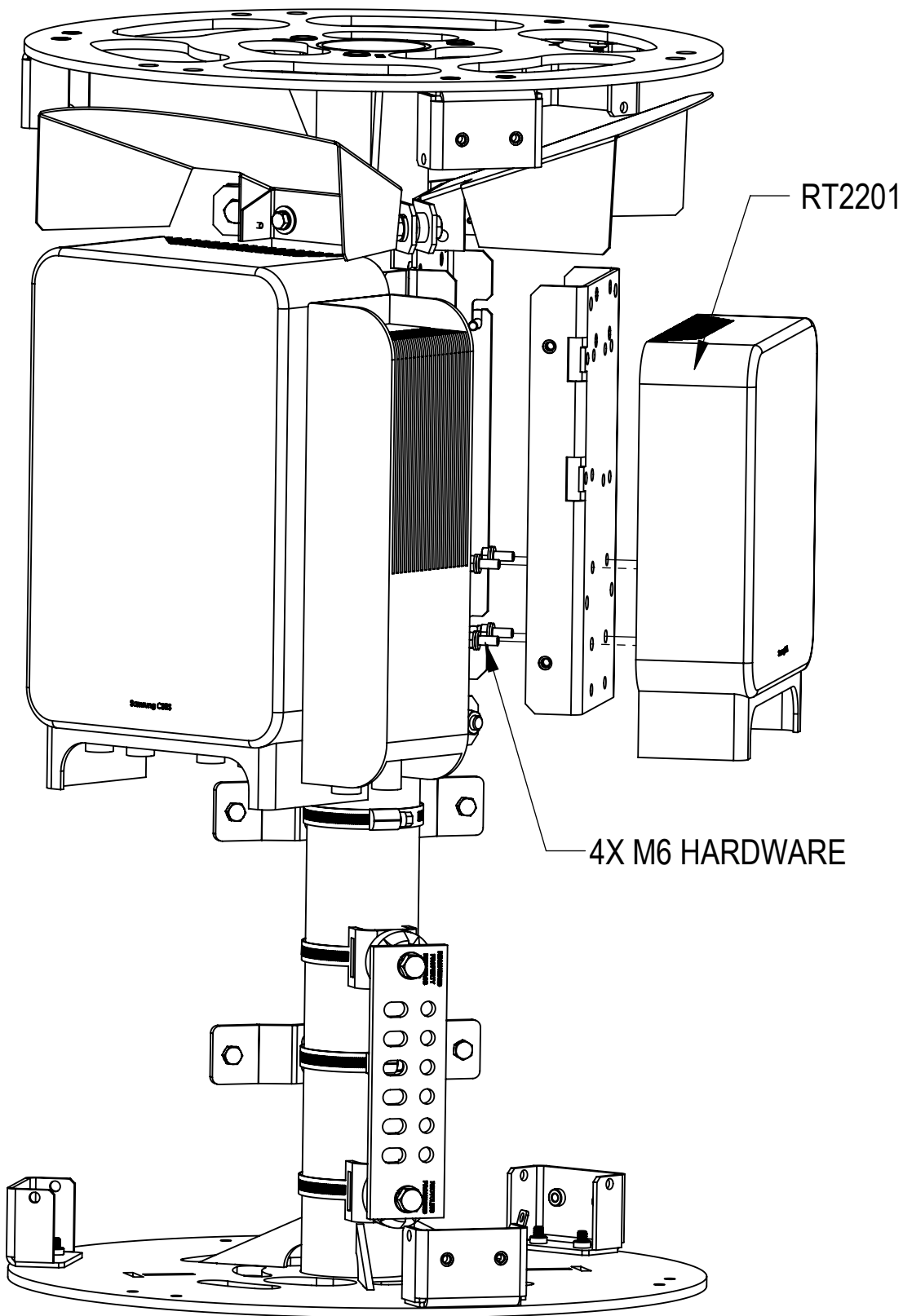
STEP 1

UNINSTALL THE RADIO BRACKET AS SHOWN



STEP 2

INSTALL THE RT4401+PSU TO THE BRACKET USING 4 SETS OF M6 BOLTS, LOCK WASHERS AND FLAT WASHERS

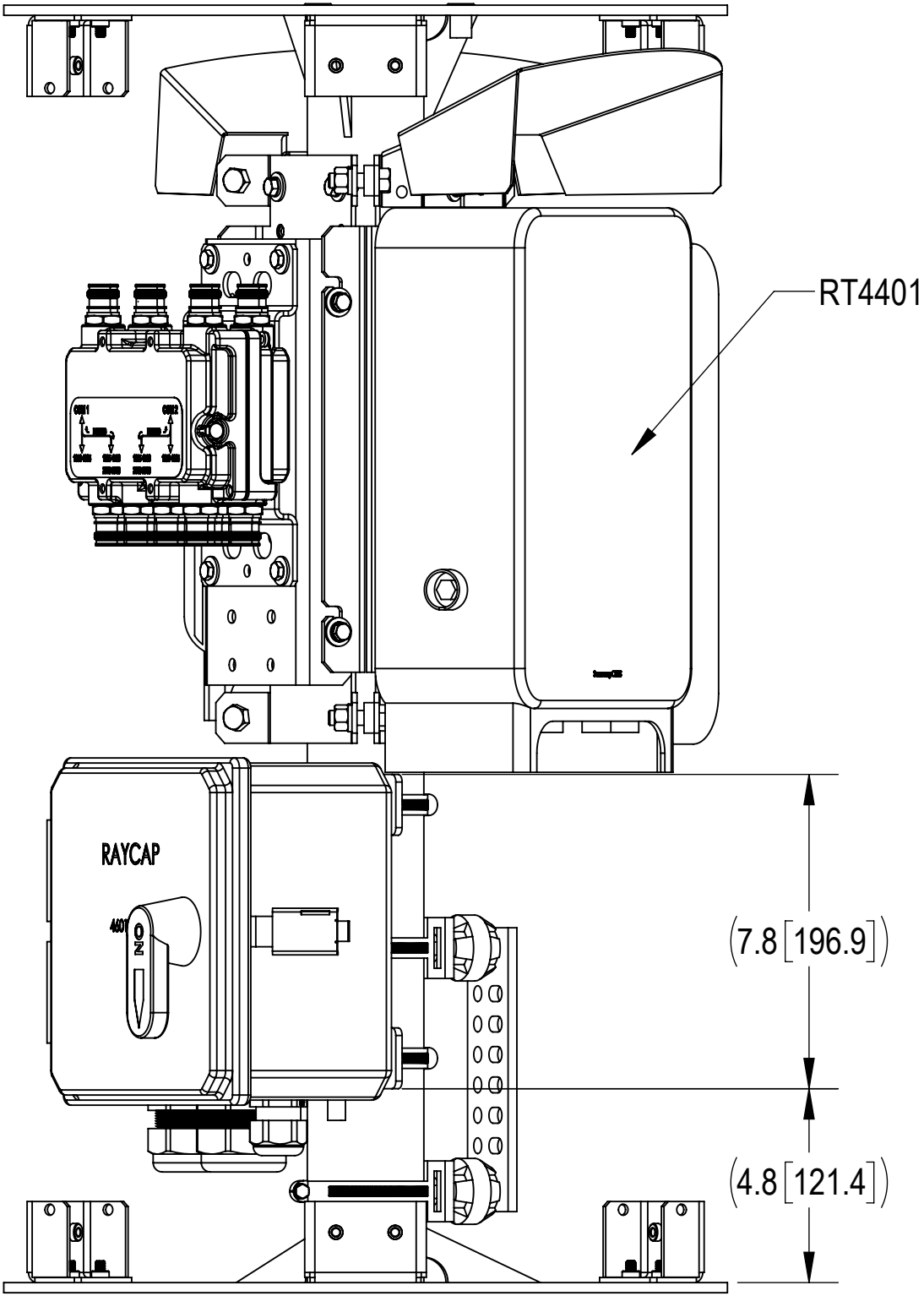
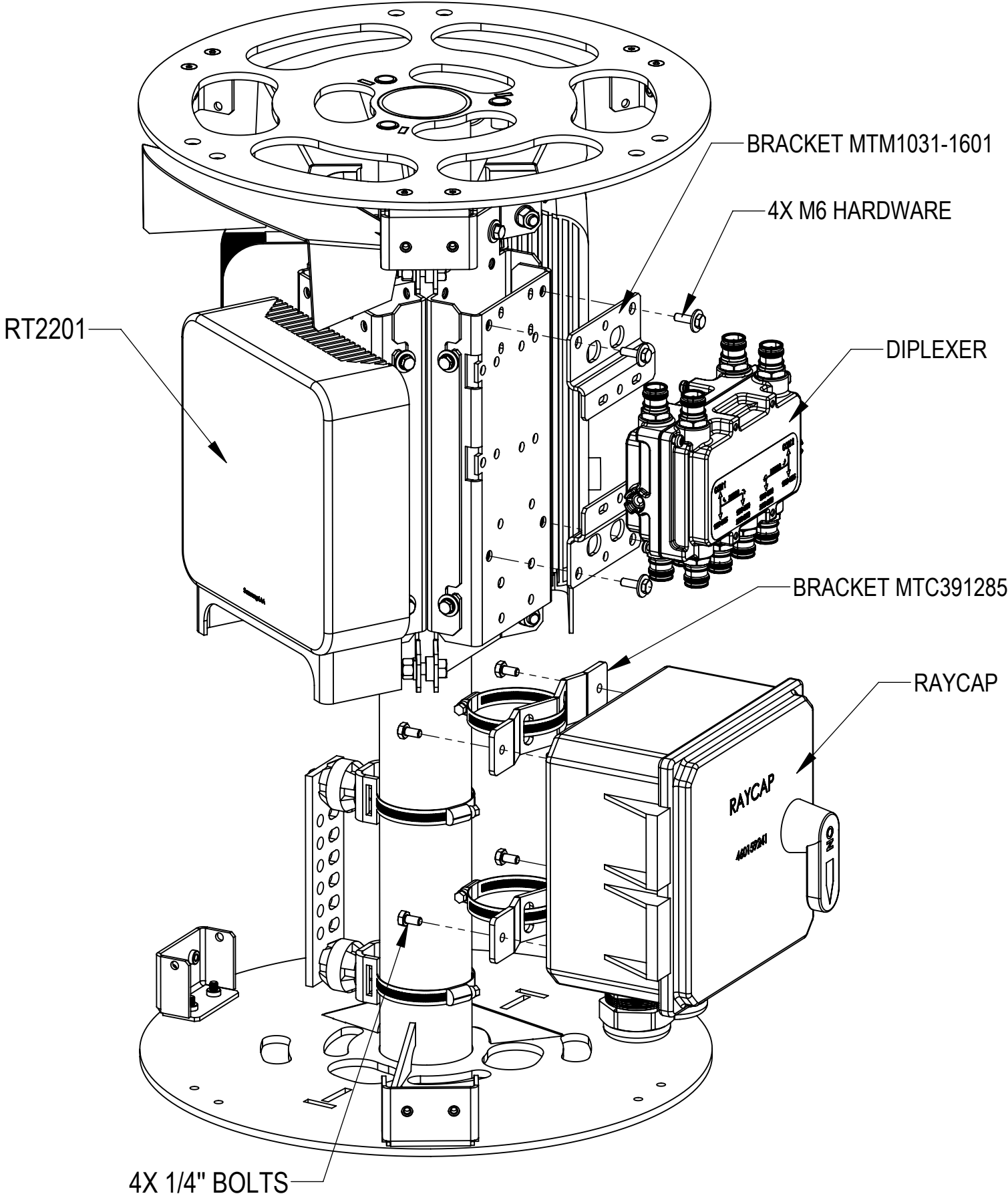


STEP 3

REPEAT STEP 1 AND 2 FOR INSTALLING RT2201

|                                                                                                                                                                             |       |                      |        |          |                 |
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| COMMSCOPE, INC. OF NORTH CAROLINA                                                                                                                                           |       |                      |        |          |                 |
| TITLE                                                                                                                                                                       |       |                      |        |          |                 |
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|                                                                                                                                                                             |       | VERSION              | STATUS | REVISION |                 |
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SAMSUNG CONFIGURATION 2 : CBRs RT4401 & LAA RT2201 & DIPLEXER AND RAYCAP



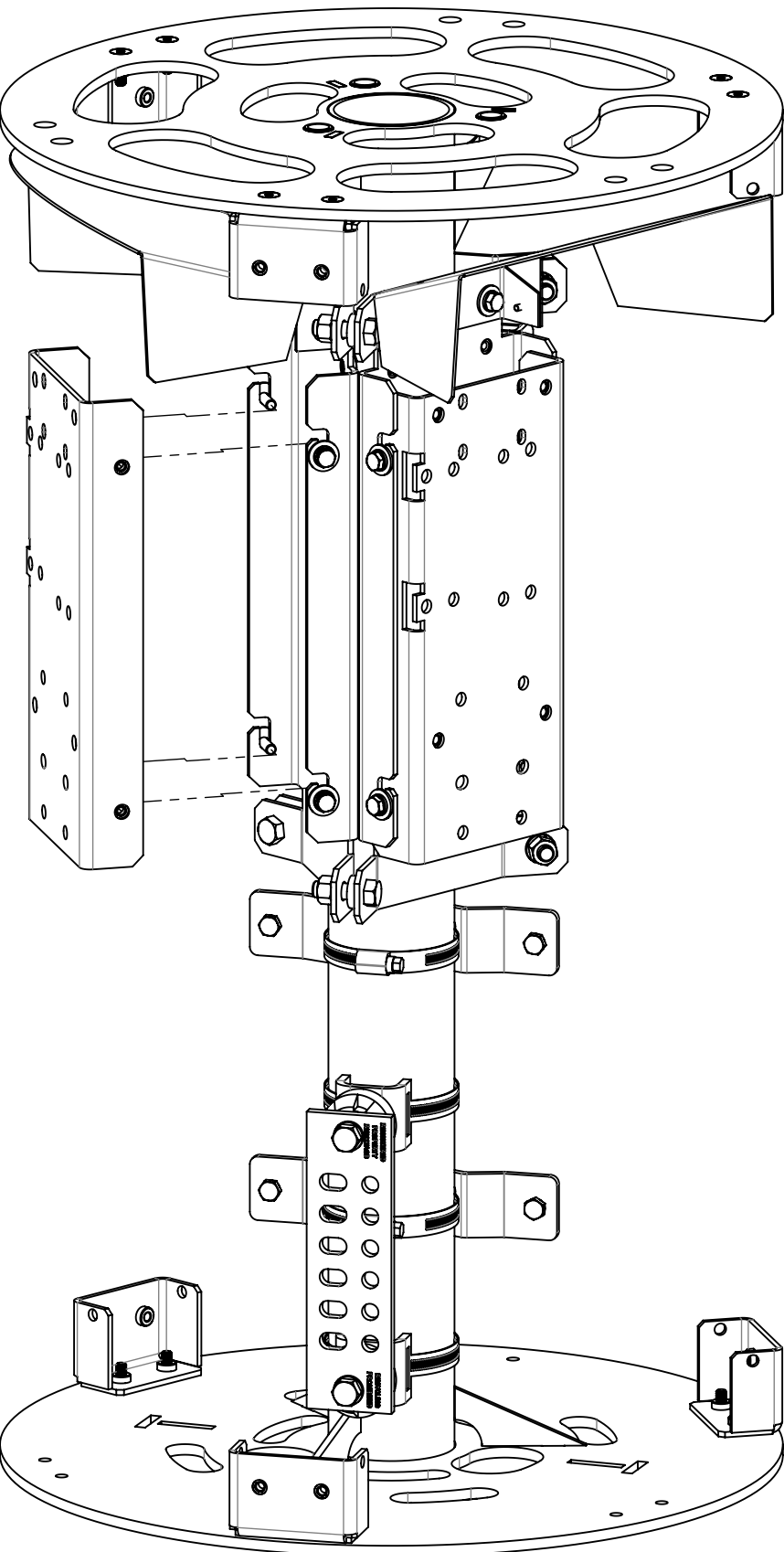
**DIPLEXER**  
INSTALL THE DIPLEXER USING 4 SETS OF M6 BOLTS, LOCK WASHERS AND FLAT WASHERS

**RAYCAP**  
INSTALL THE BANDED RAYCAP MOUNTING BRACKET (SUPPLIED IN THE HARDWARE BAG KIT) TO THE RAYCAP USING 4X 1/4" BOLTS.

INSTALL TO THE POLETOP WELDMENT USING 2X ROUND CLAMPS. RAYCAP SHOULD BE APPROXIMATELY LOCATED AND ORIENTED AS SHOWN IN THE VIEWS.

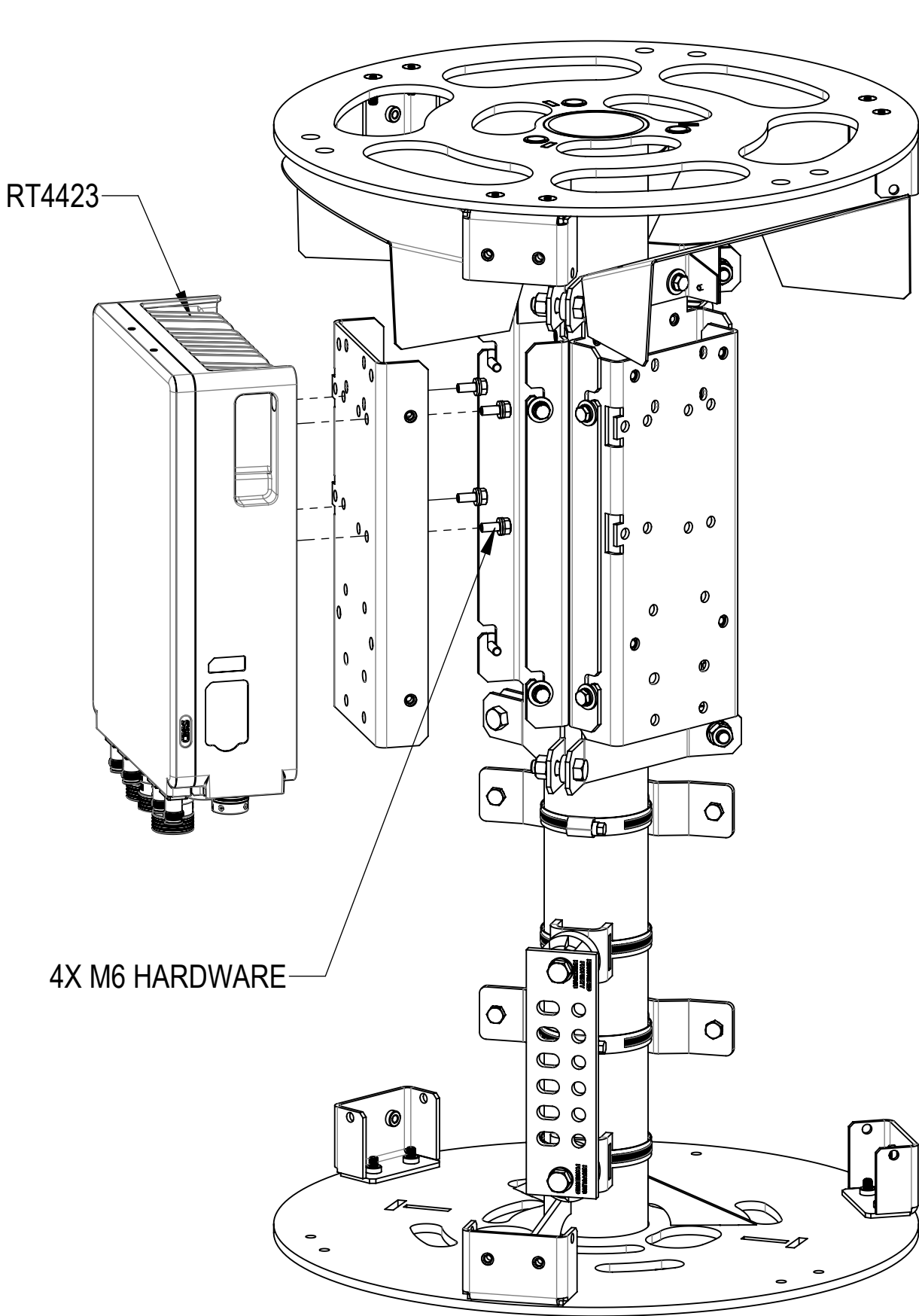
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| VERSION                           | STATUS | REVISION             |  |        |
| 06                                | RE     | F                    |  | 7 OF 9 |

SAMSUNG CONFIGURATION 3 : CBRs RT4423 AND LAA RT2201



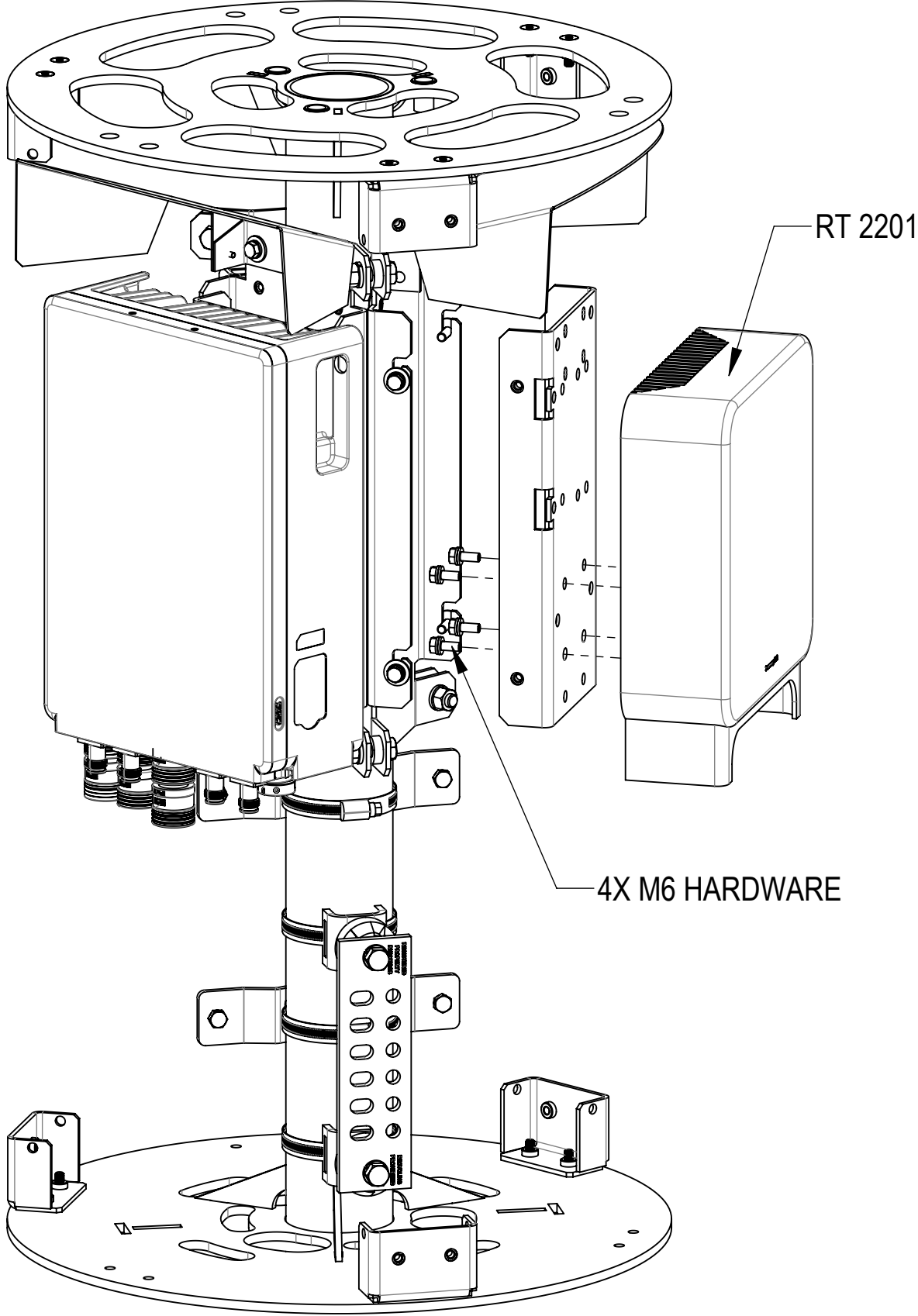
STEP 1

UNINSTALL THE RADIO BRACKET REFER TO THE FIRST PAGE



STEP 2

INSTALL THE RT4423 TO THE BRACKET USING 4 SETS OF M6 BOLTS, LOCK WASHERS AND FLAT WASHERS

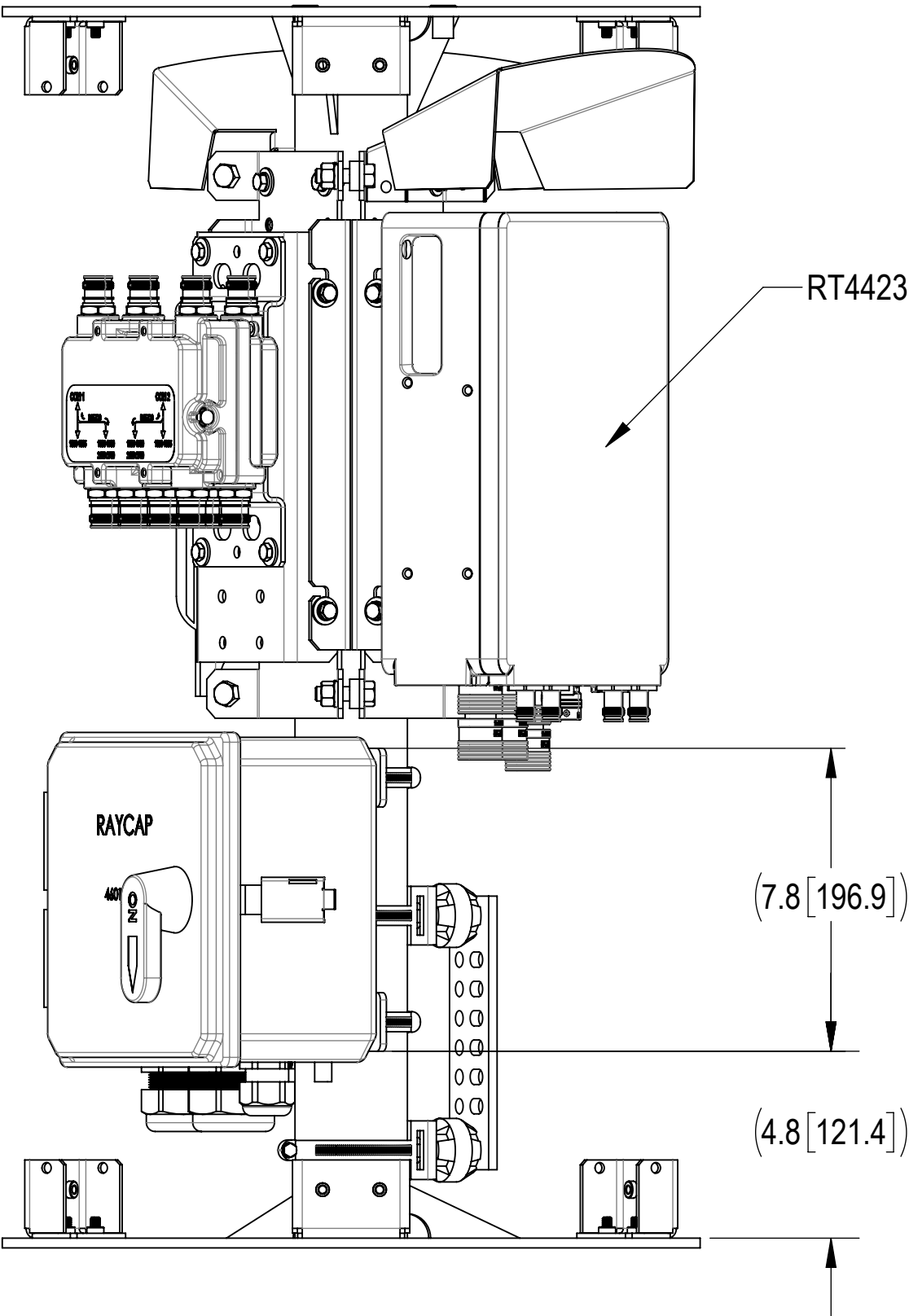
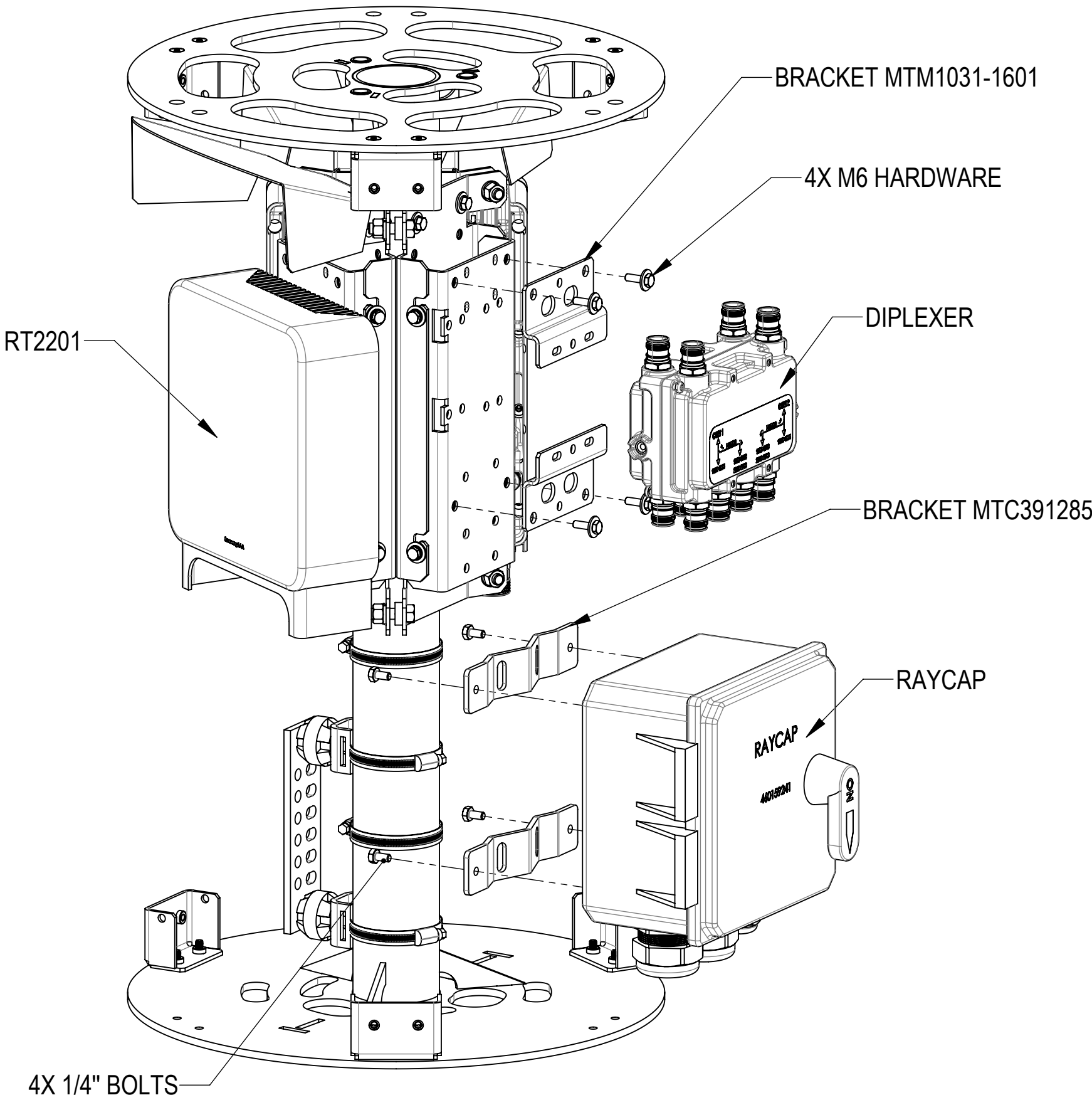


STEP 3

REPEAT STEP 1 AND 2 FOR INSTALLING RT2201

|                                                                                                                                                                             |       |                      |        |          |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------|--------|----------|-----------------|
| COMMScope, INC. OF NORTH CAROLINA                                                                                                                                           |       |                      |        |          |                 |
| TITLE                                                                                                                                                                       |       |                      |        |          |                 |
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|                                                                                                                                                                             |       | VERSION              | STATUS | REVISION |                 |
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SAMSUNG CONFIGURATION 4 : CBRs RT4423 & LAA RT2201 & DIPLEXER AND RAYCAP



**DIPLEXER**  
INSTALL THE DIPLEXER USING 4 SETS OF M6 BOLTS, LOCK WASHERS AND FLAT WASHERS

**RAYCAP**  
INSTALL THE BANDED RAYCAP MOUNTING BRACKET (SUPPLIED IN THE HARDWARE BAG KIT) TO THE RAYCAP USING 4X 1/4" BOLTS.

INSTALL TO THE POLETOP WELDMENT USING 2X ROUND CLAMPS. RAYCAP SHOULD BE APPROXIMATELY LOCATED AND ORIENTED AS SHOWN IN THE VIEWS.

|                                   |        |                      |  |                 |
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| VERSION                           | STATUS | REVISION             |  |                 |
| 06                                | RE     | F                    |  |                 |