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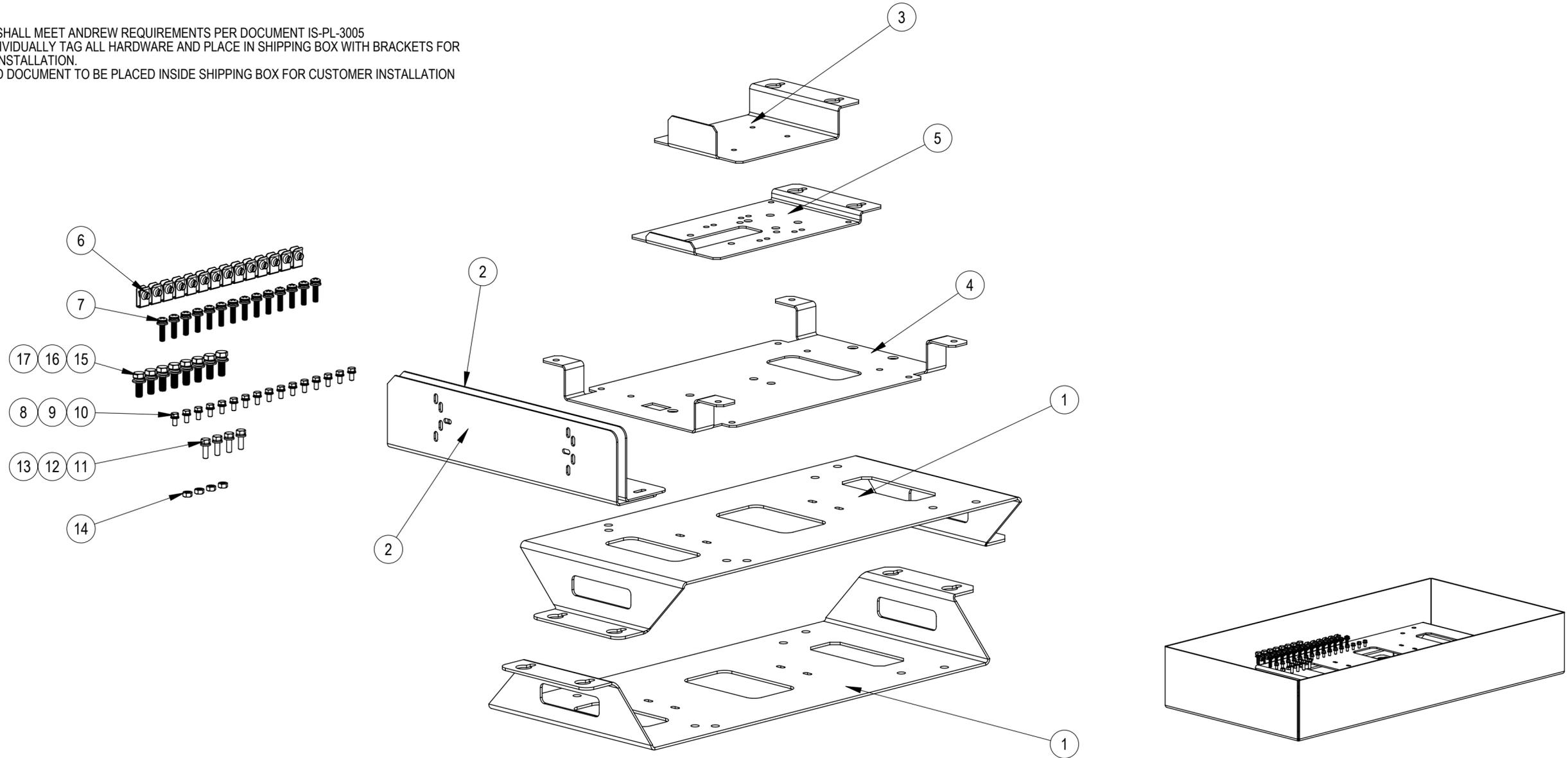
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1

- 1.0 GENERAL NOTES
 1.1 ALL METRIC DIMENSIONS ARE IN BRACKETS [X.X]
 1.2 FEATURES CRITICAL TO QUALITY ARE INDICATED IN ROUNDED BOX (XX)
 1.3 3D DIGITAL FILES ARE FOR REFERENCE. IN CASE OF CONFLICT FOLLOW PDF DRAWING
 2.0 DESIGN NOTES
 3.0 MANUFACTURING/SPECIAL REQUIREMENTS
 4.0 TEST
 5.0 PACKAGING
 5.1 PACKAGING SHALL MEET ANDREW REQUIREMENTS PER DOCUMENT IS-PL-3005
 5.2 BAG AND INDIVIDUALLY TAG ALL HARDWARE AND PLACE IN SHIPPING BOX WITH BRACKETS FOR CUSTOMER INSTALLATION.
 5.3 THIS PRINTED DOCUMENT TO BE PLACED INSIDE SHIPPING BOX FOR CUSTOMER INSTALLATION

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	ZL1057 24JUN25	WQ1001 50103540AMO



COMPONENT PART NUMBERS PROVIDED FOR ASSEMBLY PURPOSES;
 INDIVIDUAL COMPONENTS MAY BE SHIPPED AS PARTS WITHIN AN INCLUDED KIT.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	NOTE
1	MTM1221-4005-BR	MOUNTING BRACKET, NOK	2	
2	MTM1221-4006-BR	MOUNTING BRACKET, DIPELXER	2	
3	MTM1221-4002-BR	MOUNTING BRACKET, 6304/DELTA2.0/CC1600	1	
4	MTM1221-4003-BR	MOUNTING BRACKET, DIPELXER	1	
5	MTM1160-1161-BR	BRACKET AWHHF HANGER RIGHT PB20GA	1	
6	460143456	CLIP NUT, M6, 316 SST	17	5.2
7	100117-4	FA,SEMS,PH,XRES,M6X25,SST,PASS	17	5.2
8	100521-19	WSHR,FLAT,M5,5.3X10X1,SST,PASS	16	5.2
9	100522-19	WSHR,LK,SPLT, M5,SST, PASS	16	5.2
10	100534-356	SCR,HCS,HEX,M5X12,SST,PASS	16	5.2
11	100534-214	SCR,HCS,HEX,M6X20,SST,PASS	4	5.2
12	100522-104	WSHR,LK,SPLT, M6,SST, PASS	4	5.2
13	100521-86	WSHR,FLAT,M6,6.4X12X1.6,SST,PASS	4	5.2
14	100526-25	NUTS,HEX,M6,SST,PASS	4	5.2
15	MTC9415	M8 X 25mm HEX BOLT SS	8	5.2
16	MTC9418	M8 LOCK WASHER SS	8	5.2
17	MTC9419	M8 FLAT WASHER SS	8	5.2

DENSITY		lbs/in ³
MASS	13.03	lbs
VOLUME	280.25	in ³
SURFACE AREA	4915.65	in ²
HEIGHT	6.00[152.4]	
LENGTH	36.00[914.4]	
WIDTH	18.00[457.2]	

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ANDREW® an Amphenol company

TOLERANCES: 1 PLACE .X[X] ± 0.2[6.3] 3 PLACE .XXX[X] ± 0.060[1.5]
 2 PLACE .XX[X] ± 0.12[3.0] ANGLES ± 2°

SAP MATERIAL MASTER: **MTM1193-9900-AMK-N**

FINISH	MATERIAL
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES INTERPRET PER ANSI Y 14.5M-1994	NAME	DATE	TITLE
	CE ZL1057	02JUL25	KIT NOKIA INSTALL - PB20 72" TMT RAD EXT
	RW ZL1057	08/12/2025	
	AD DM1121	08/12/2025	SCALE: 1:8
	RE DM1121	08/12/2025	DOCUMENT NO. MTM1193-9900-AMK-N
ECN	50103540AMO		

SIZE	Auth Group	INSL	MODEL	DRAWING			SHEET			
C				VERSION	STATUS	REVISION	VERSION	STATUS	REVISION	1 OF 9
				00	RE	A	00	RE	A	

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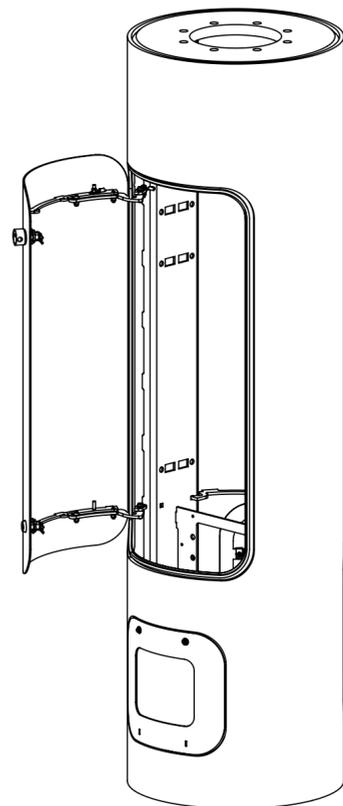
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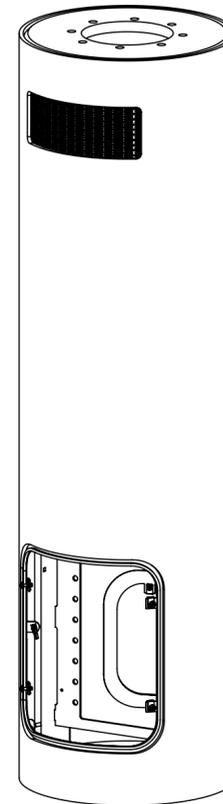
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NOKIA EQUIPMENT INSTALLATION CONFIGURATION LIST

CONFIGURATION	SHEET NO.	EQUIP.1	QTY	EQUIP.2	QTY	EQUIP.3	QTY	EQUIP.4	QTY	EQUIP.5	QTY	EQUIP.6	QTY
E1	6	AHLBBA	1							QUAD DIPLEXER SDX1926Q-43	1	APAM	1
E2	7	AHFIB	1							QUAD DIPLEXER SDX1926Q-43	1	APAM	1
E3	8	AHFB	1	AWHHF	1	AZQC	1			QUAD DIPLEXER SDX1926Q-43	1	APAM	1
E4	9	AHFB	1	AHIB	1	AZQC	1	AZRB	1	QUAD DIPLEXER SDX1926Q-43	1	APAM	1
E5	10	AHFIB	1	AWHHF	1					QUAD DIPLEXER SDX1926Q-43	1	APAM	1



FRONT VIEW



REAR VIEW

ESTABLISH NOKIA CONFIGURATION FROM ABOVE TABLE TO INSTALL DESIRED NOKIA RADIOS IN THE PB20
 SEE SHEET 3 & 4 FOR DETAILED SECURING OF RADIOS & DIPLEXERS TO BRACKETS.
 SEE SPECIFIC SHEET NUMBER FOR FURTHER INSTALLATION DETAILS.

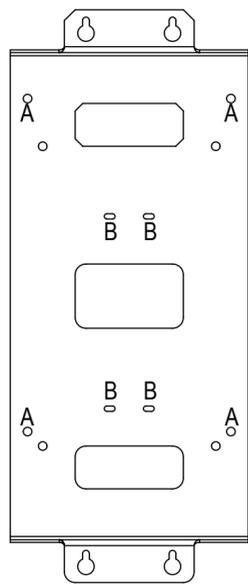
ANDREW ® an Amphenol company			
TITLE KIT NOKIA INSTALL - PB20 72" TMT RAD EXT			
SIZE C	SCALE 1:12	DOCUMENT NO. MTM1193-9900-AMK-N	
DRAWING			SHEET
VERSION 00	STATUS RE	REVISION A	2 OF 9

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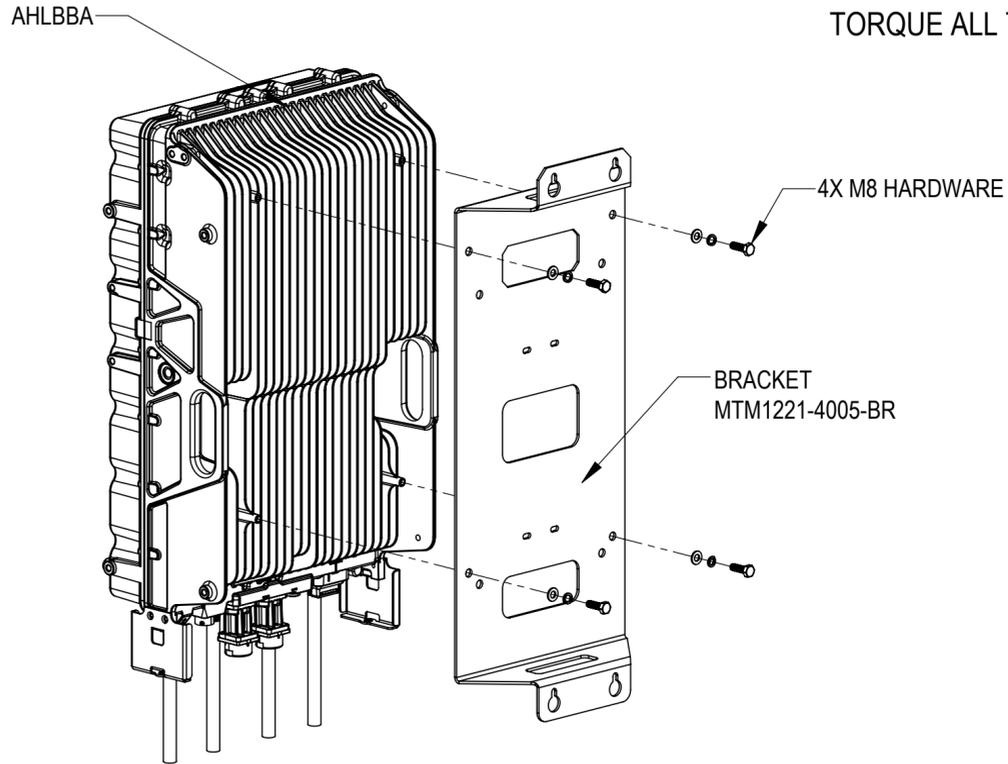
EQUIPMENT MOUNTING INSTALLATION

TORQUE ALL TO SPEC



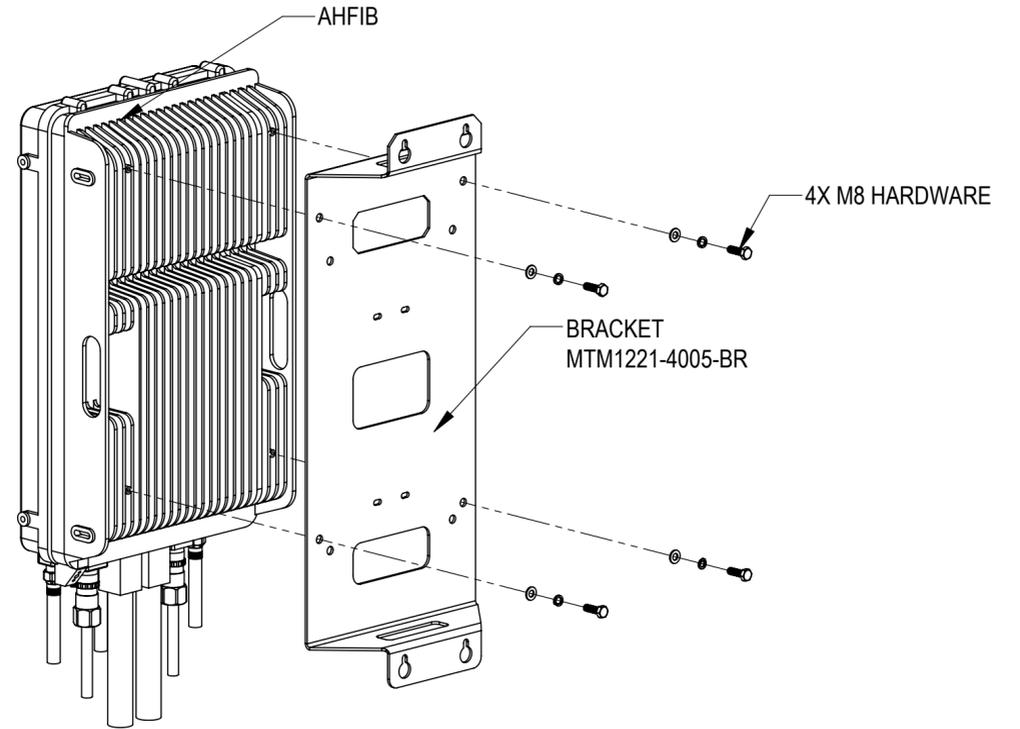
RADIO INSTALLATION
MTM1221-4005-BR

"A": AHLBBA + AHFIB
"B": AHFB + AHIB



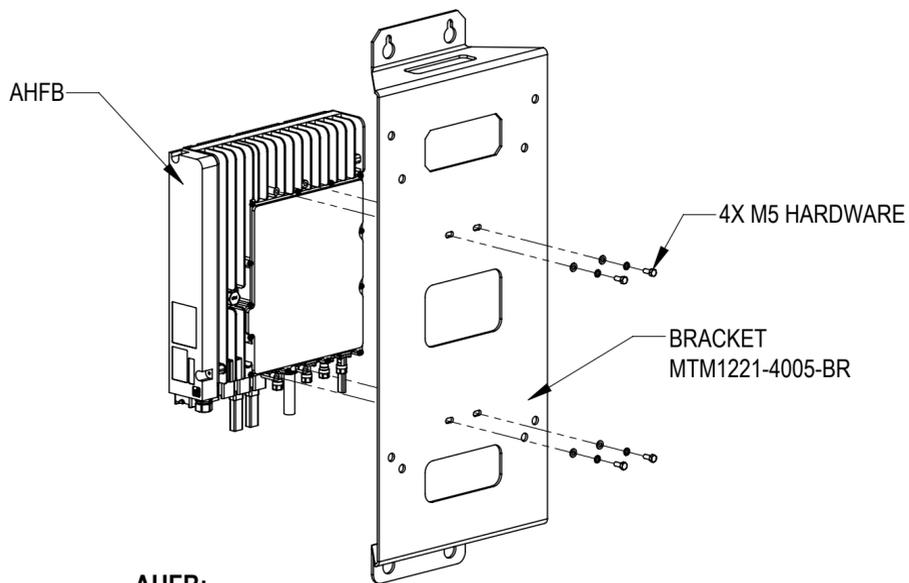
AHLBBA:

INSTALL THE AHLBBA TO THE MOUNTING BRACKET MTM1221-4005-BR USING 4 SETS OF M8 HEX BOLTS, LOCK WASHERS AND FLAT WASHERS AS SHOWN



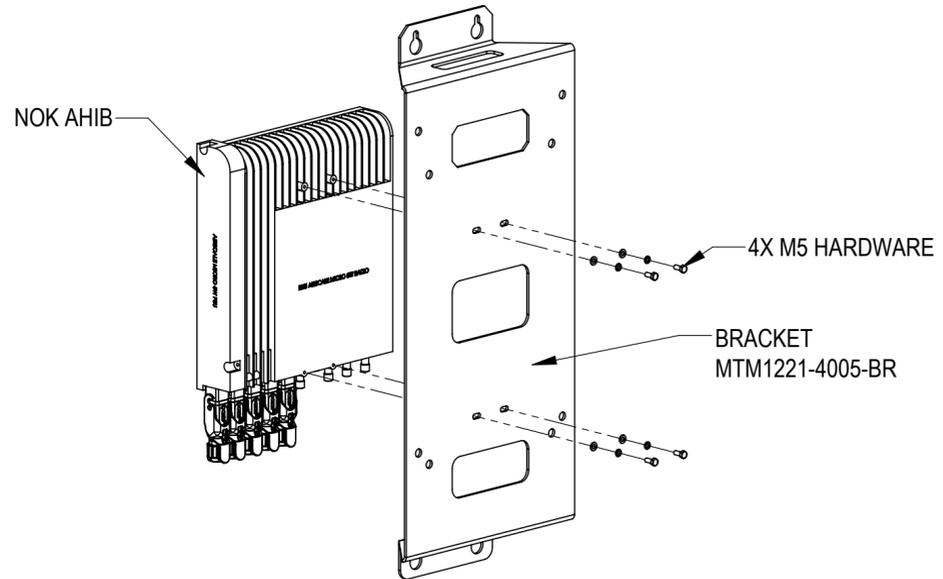
AHFIB:

INSTALL THE AHFIB TO THE MOUNTING BRACKET MTM1221-4005-BR USING 4 SETS OF M8 HEX BOLTS, LOCK WASHERS AND FLAT WASHERS AS SHOWN



AHFB:

INSTALL THE AHFB TO THE MOUNTING BRACKET MTM1221-4005-BR USING 4 SETS OF M5 HEX BOLTS, LOCK WASHERS AND FLAT WASHERS AS SHOWN



AHIB:

INSTALL THE AHIB TO THE MOUNTING BRACKET MTM1221-4005-BR USING 4 SETS OF M5 HEX BOLTS, LOCK WASHERS AND FLAT WASHERS AS SHOWN



TITLE
KIT NOKIA INSTALL - PB20 72" TMT RAD EXT

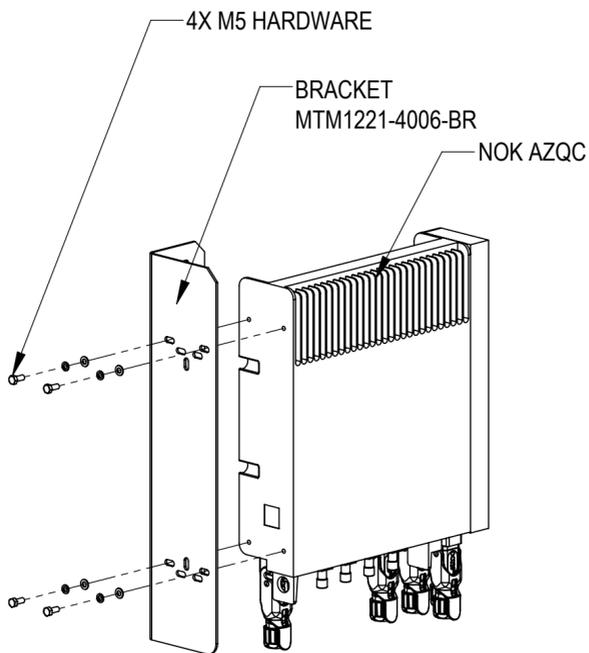
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	VERSION 00	STATUS RE	REVISION A	

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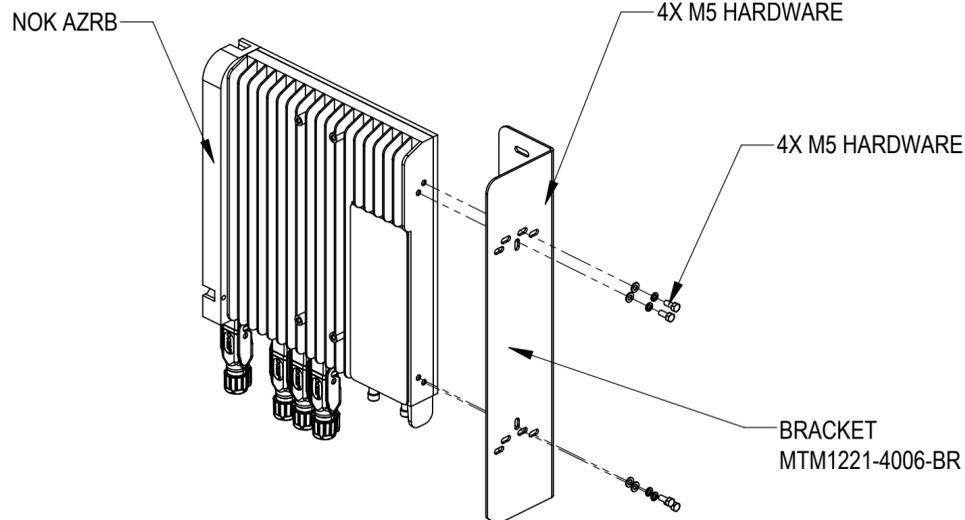
EQUIPMENT MOUNTING INSTALLATION

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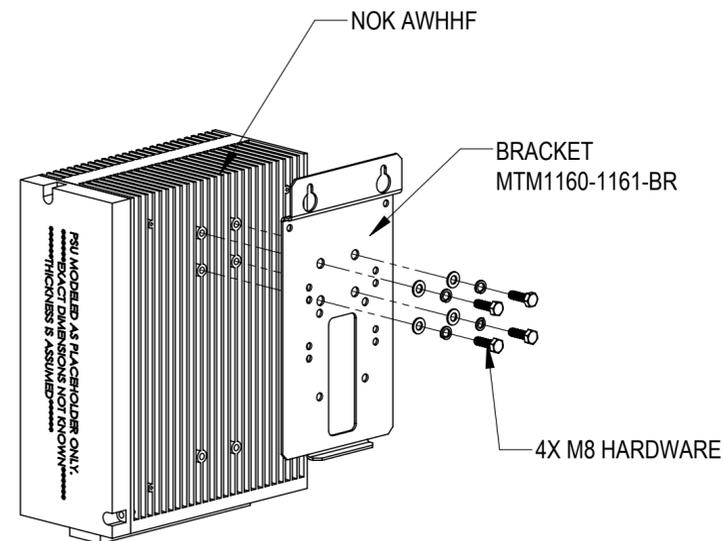
AZQC:

INSTALL THE AZQC TO THE MOUNTING BRACKET MTM1221-4006-BR USING 4 SETS OF M5 HEX BOLTS, LOCK WASHERS AND FLAT WASHERS AS SHOWN



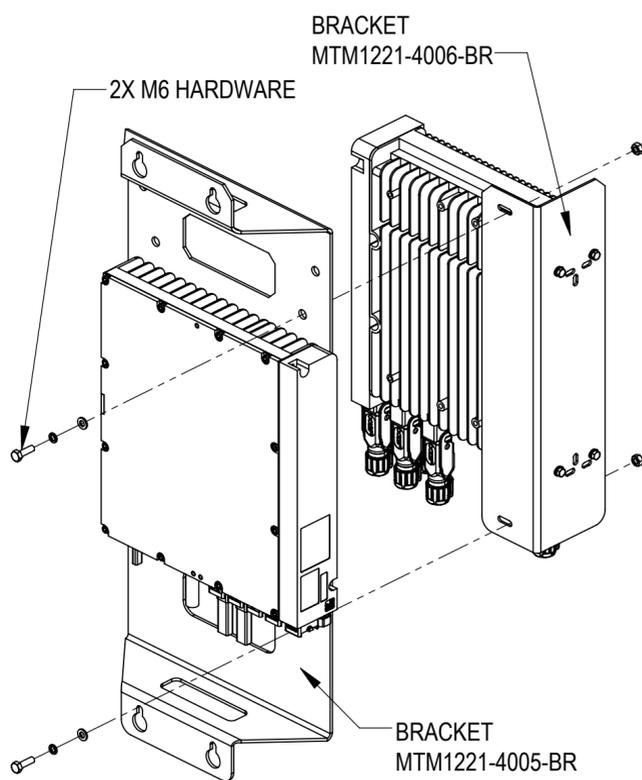
AZRB:

INSTALL THE AHFB TO THE MOUNTING BRACKET MTM1221-4006-BR USING 4 SETS OF M5 HEX BOLTS, LOCK WASHERS AND FLAT WASHERS AS SHOWN



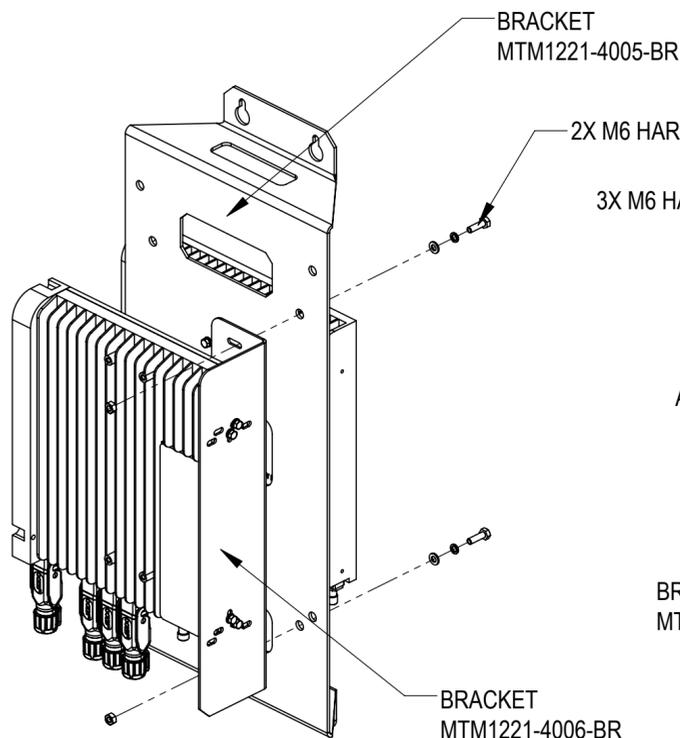
AWHHF:

INSTALL THE AWHHF TO THE MOUNTING BRACKET MTM1160-1161-BR USING 4 SETS OF M8 HEX BOLTS, LOCK WASHERS AND FLAT WASHERS AS SHOWN



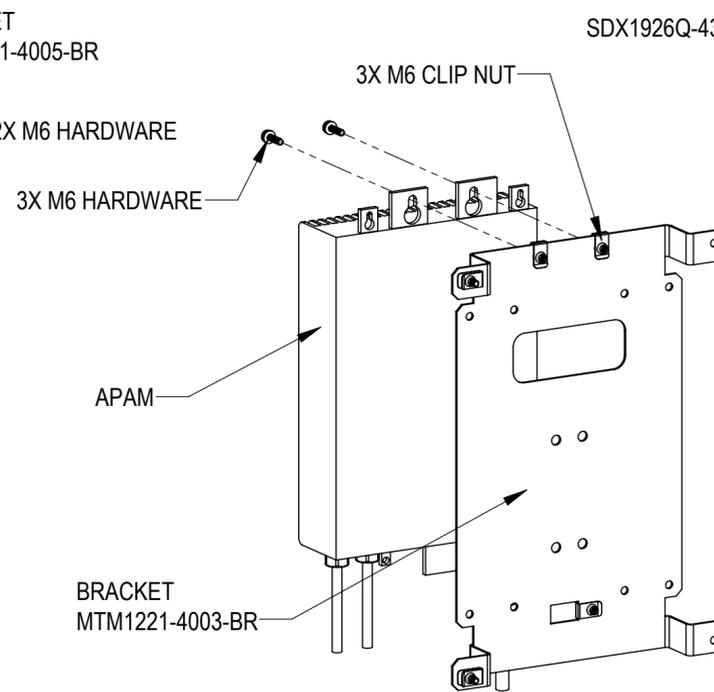
AHFB+AZQC:

INSTALL MTM1221-4006-BR TO THE MOUNTING BRACKET MTM1221-4005-BR USING 2 SETS OF M6 HEX BOLTS, LOCK WASHERS AND FLAT WASHERS AS SHOWN



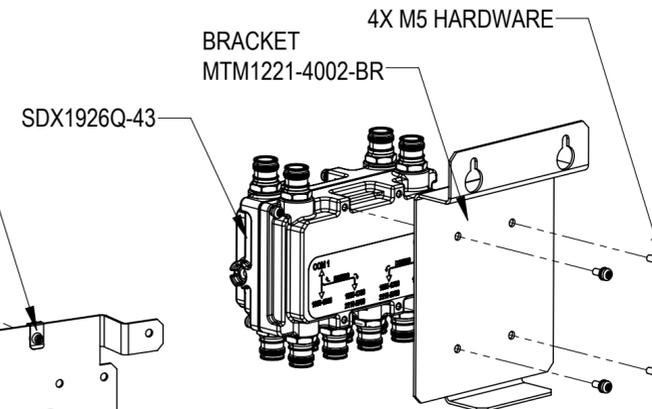
AHIB+AZRB:

INSTALL MTM1221-4006-BR TO THE MOUNTING BRACKET MTM1221-4005-BR USING 2 SETS OF M6 HEX BOLTS, LOCK WASHERS AND FLAT WASHERS AS SHOWN



APAM:

INSTALL THE APAM TO THE MOUNTING BRACKET MTM1221-4003-BR USING 4 SETS OF M5 HEX BOLTS, LOCK WASHERS AND FLAT WASHERS AS SHOWN



SDX1926Q-43:

INSTALL THE QUAD DIPLEXER SDX1926Q-43 TO THE MOUNTING BRACKET MTM1221-4002-BR USING 4 SETS OF M5 CAPTIVE SEM SCREWS PROVIDED WITH THE SDX1926Q-43



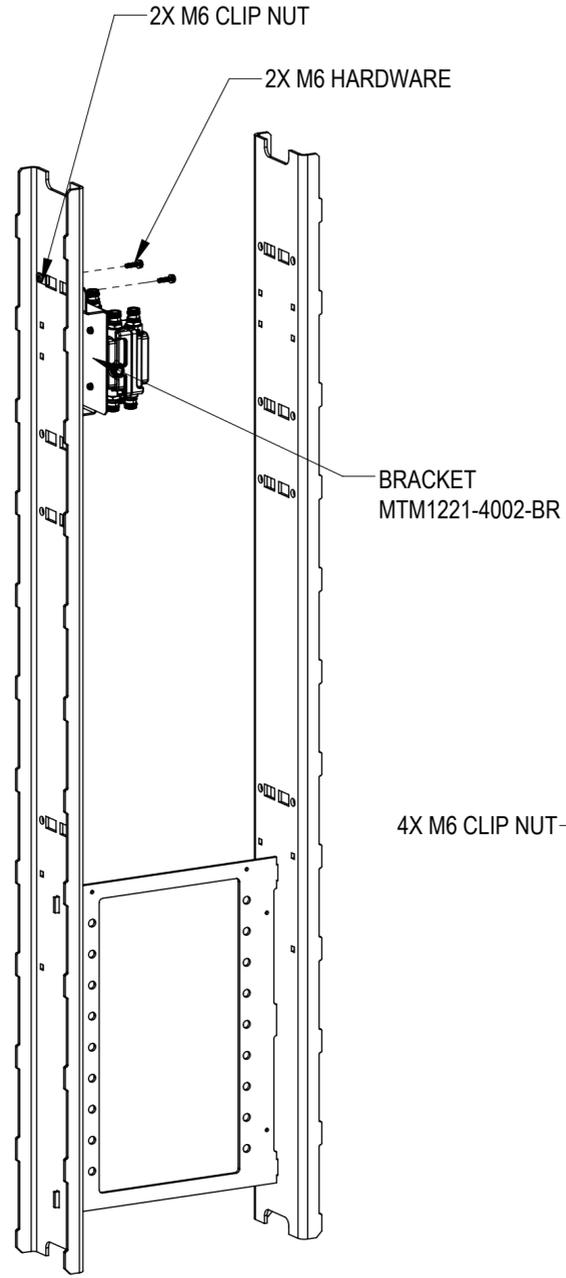
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KIT NOKIA INSTALL - PB20 72" TMT RAD EXT

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		VERSION 00	STATUS RE	REVISION A	

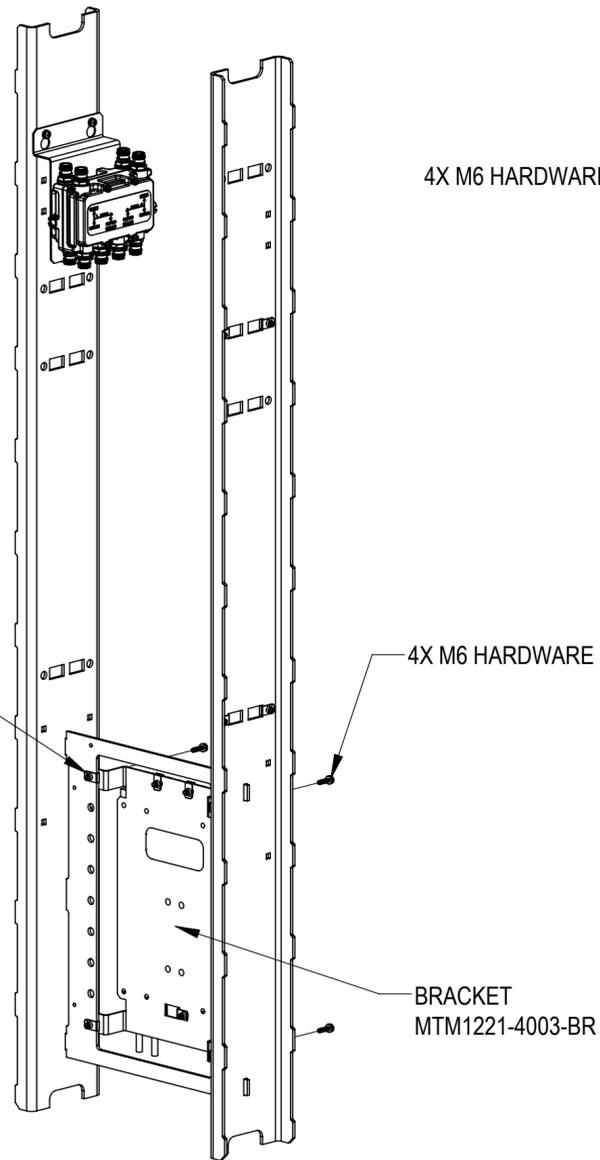
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N1: NOK AHLBBA + QUAD DIPLEXER SDX1926Q-43 + APAM INSTALLATION

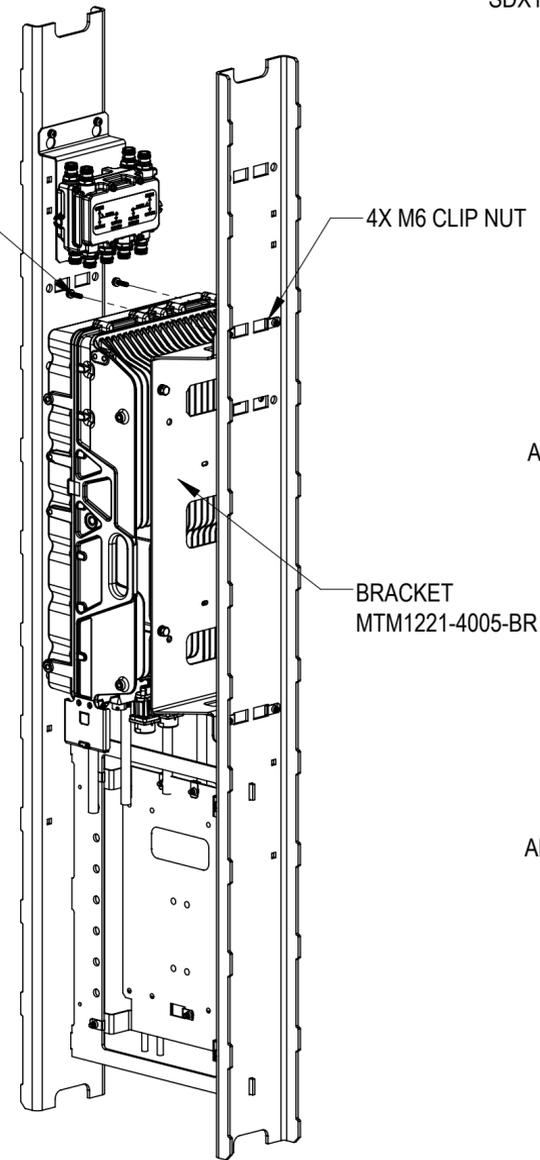
EQUIPMENT INSTALLATION SEE SHEET 3 & 4
TORQUE ALL TO SPEC



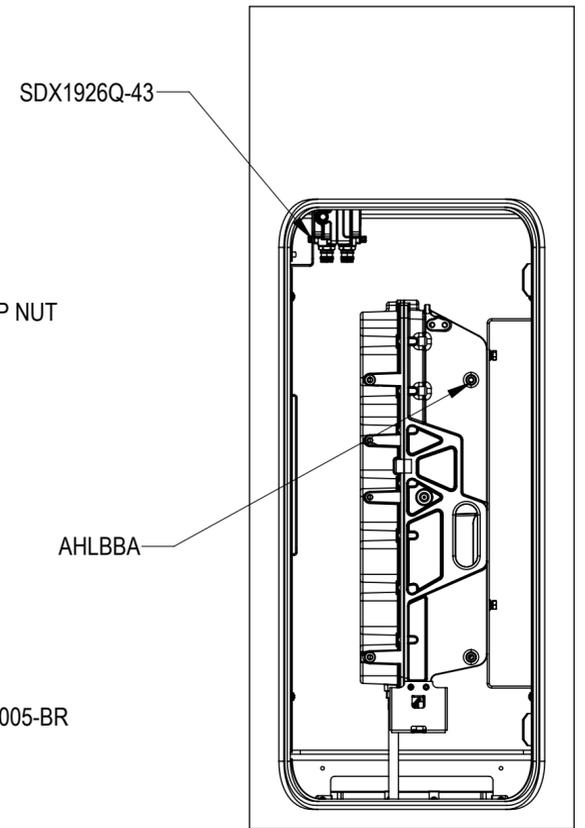
STEP 1 :
MTM1221-4002-BR(SDX1926Q-43)
1. INSTALL THE MOUNTING BRACKET MTM1221-4002-BR TO THE STRUT INSIDE THE POLE USING 2 SETS OF M6 SEMS SCREWS AND CLIP NUTS



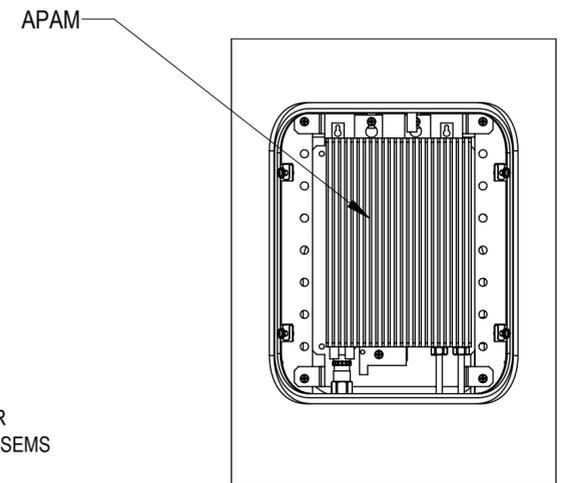
STEP 2 :
MTM1221-4003-BR(APAM)
1. INSTALL THE MOUNTING BRACKET MTM1221-4003-BR TO THE BRACKET INSIDE THE POLE USING 4 SETS OF M6 SEMS SCREWS AND CLIP NUTS



STEP 3 :
MTM1221-4005-BR(AHLBBA)
1. INSTALL THE MOUNTING BRACKET MTM1221-4005-BR TO THE STRUT INSIDE THE POLE USING 4 SETS OF M6 SEMS SCREWS AND CLIP NUTS



FRONT VIEW



REAR VIEW

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KIT NOKIA INSTALL - PB20 72" TMT RAD EXT

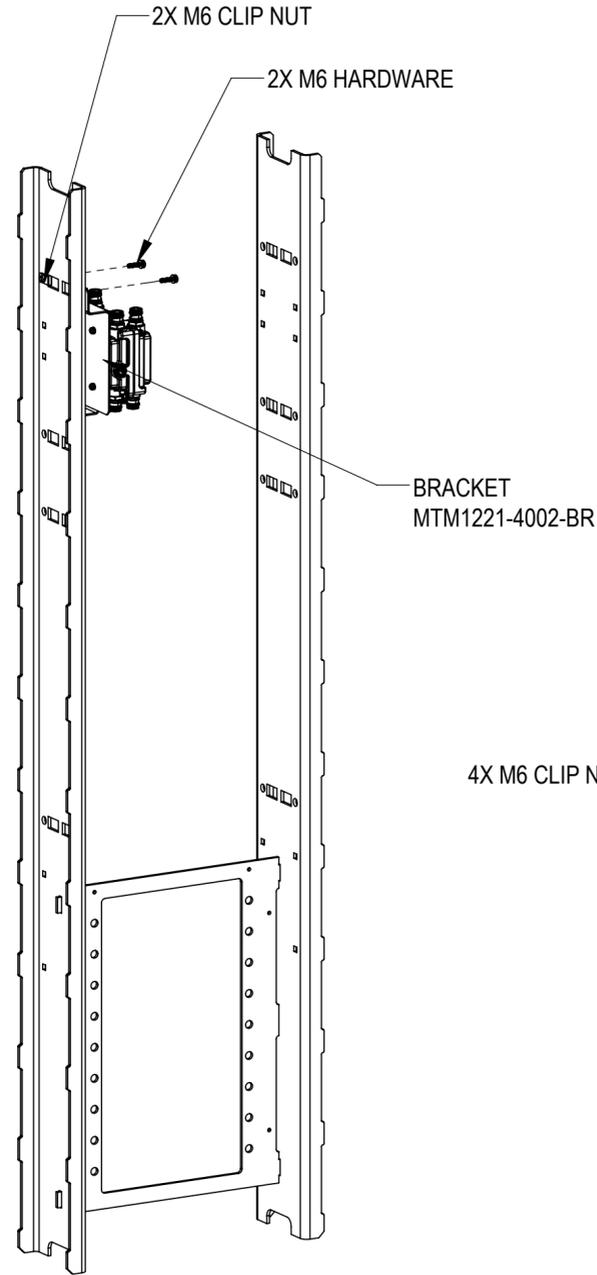
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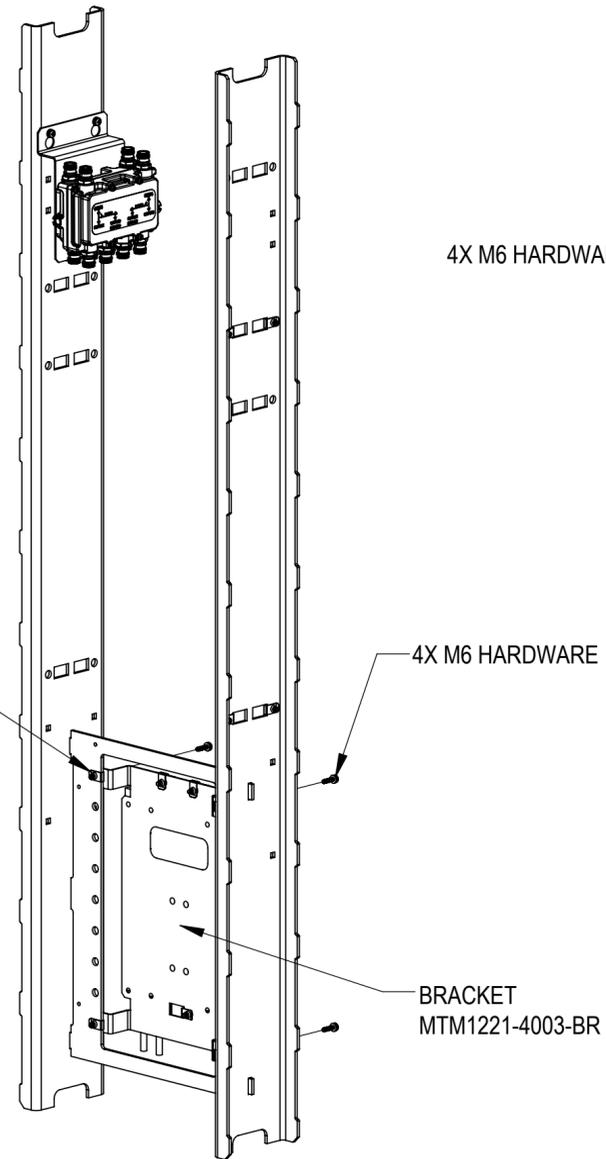
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N2: NOK AHFIB + QUAD DIPLEXER SDX1926Q-43 + APAM INSTALLATION

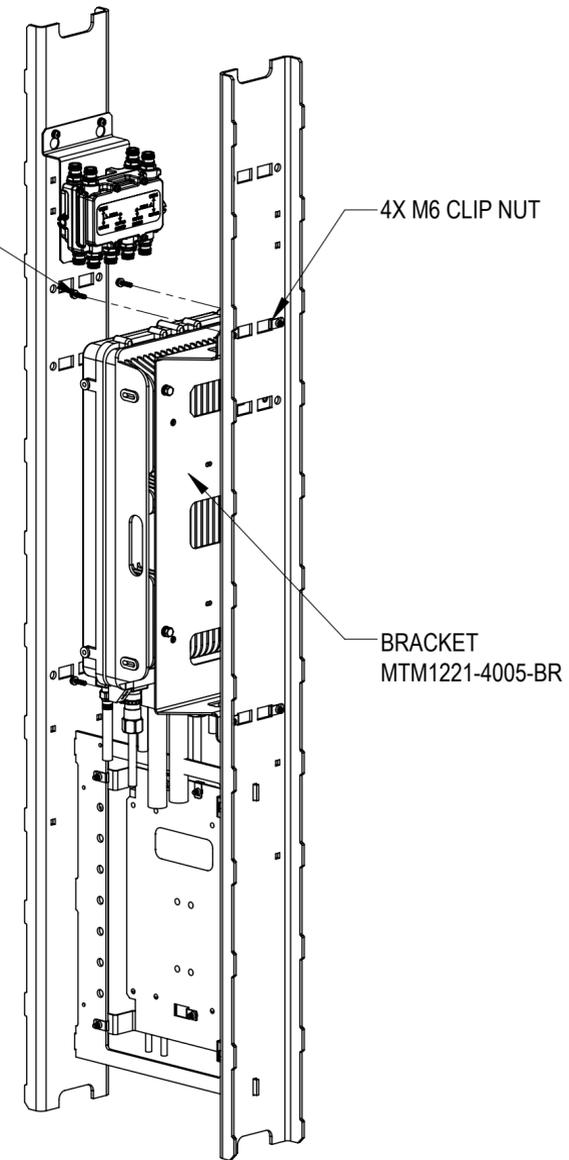
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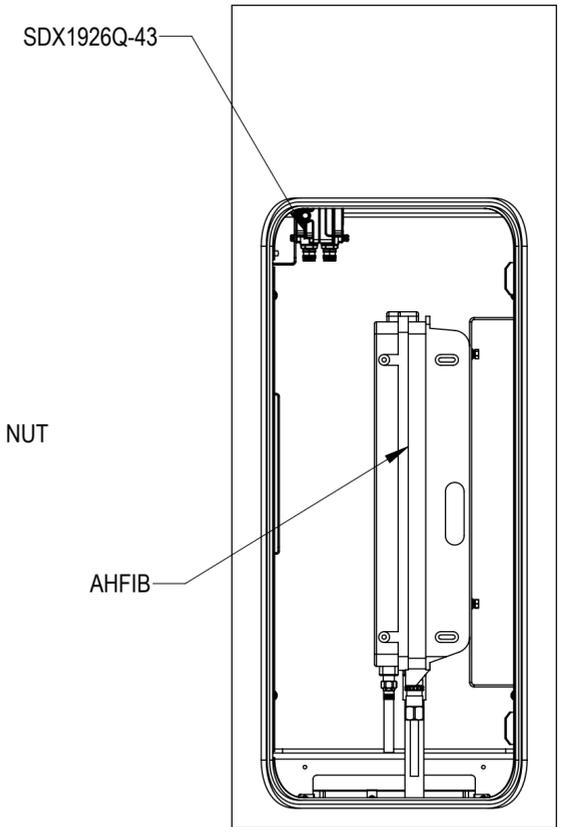
STEP 1 :
MTM1221-4002-BR(SDX1926Q-43)
1. INSTALL THE MOUNTING BRACKET MTM1221-4002-BR TO THE STRUT INSIDE THE POLE USING 2 SETS OF M6 SEMS SCREWS AND CLIP NUTS



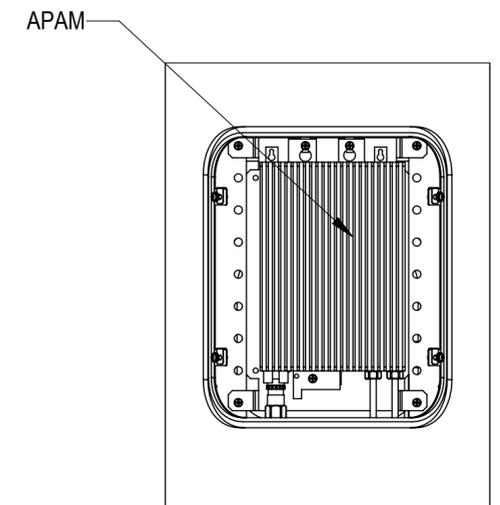
STEP 2 :
MTM1221-4003-BR(APAM)
1. INSTALL THE MOUNTING BRACKET MTM1221-4003-BR TO THE BRACKET INSIDE THE POLE USING 4 SETS OF M6 SEMS SCREWS AND CLIP NUTS



STEP 3 :
MTM1221-4005-BR(AHFIB)
1. INSTALL THE MOUNTING BRACKET MTM1221-4005-BR TO THE STRUT INSIDE THE POLE USING 4 SETS OF M6 SEMS SCREWS AND CLIP NUTS



FRONT VIEW



REAR VIEW

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KIT NOKIA INSTALL - PB20 72" TMT RAD EXT

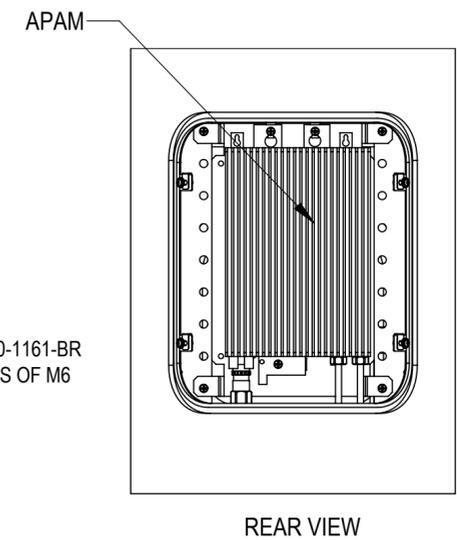
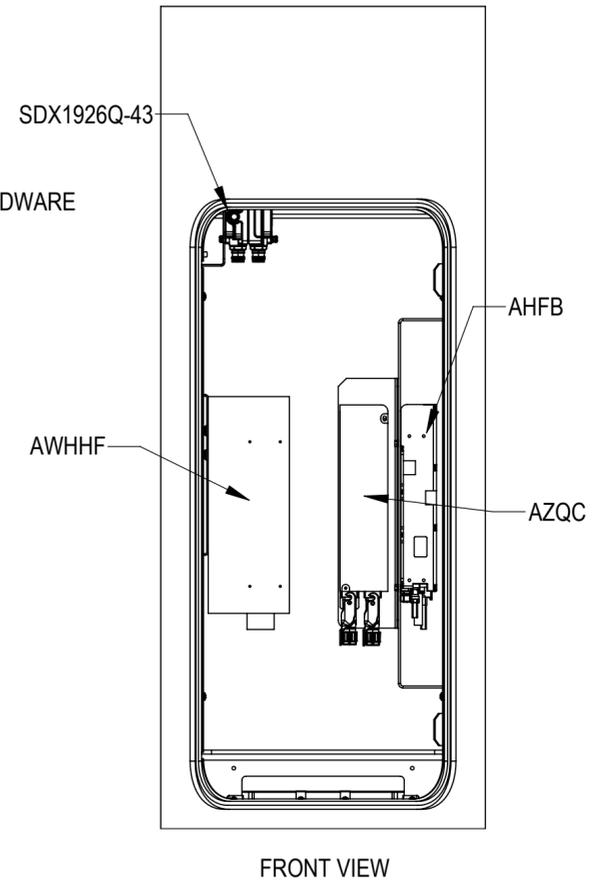
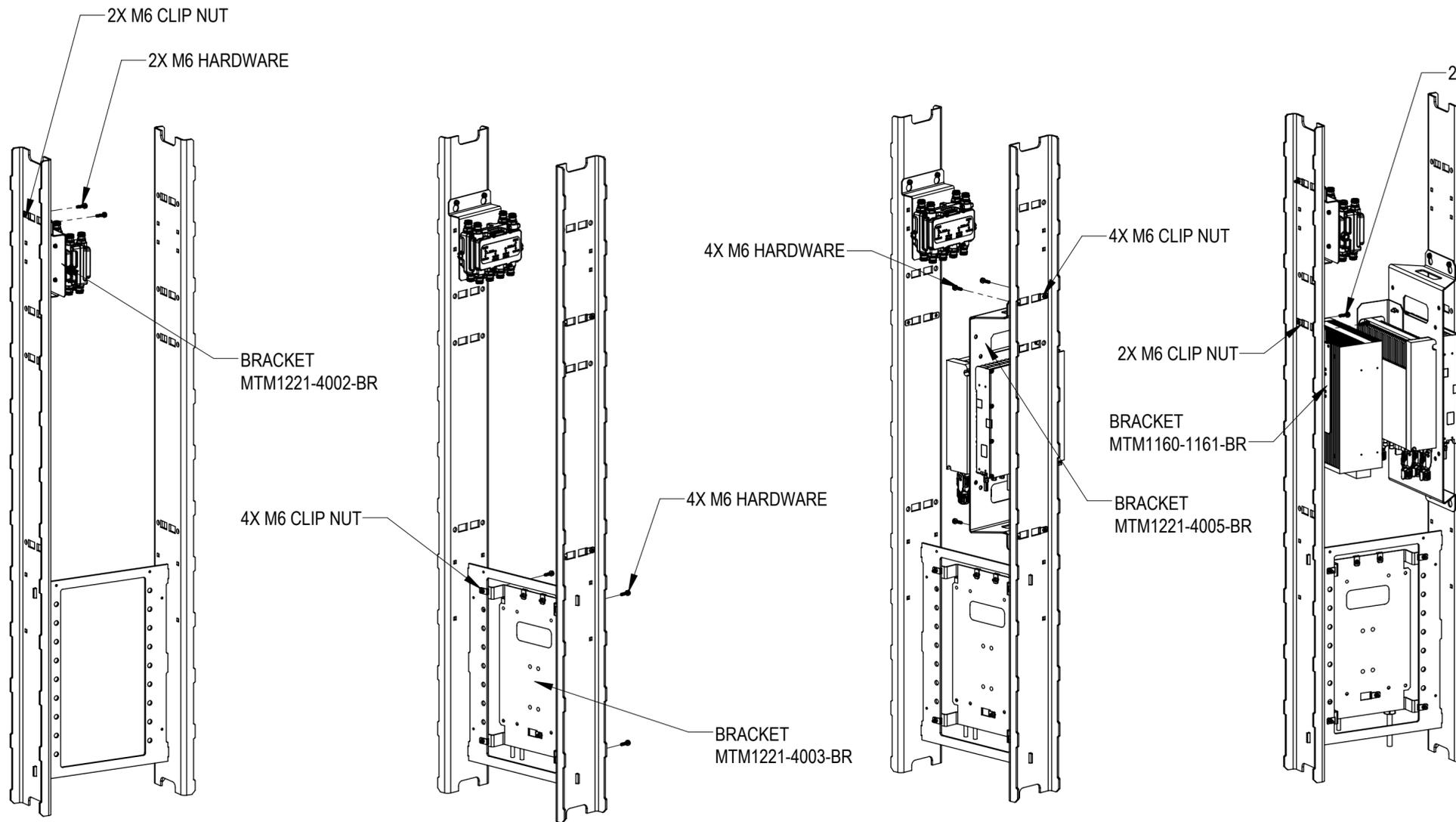
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DRAWING	VERSION	STATUS	REVISION	SHEET 6 OF 9
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N3: NOK AWHHF + NOK AZQC 3.5GHZ + AHFB + QUAD DIPLEXER SDX1926Q-43 +APAM INSTALLATION

EQUIPMENT INSTALLATION SEE SHEET 3 & 4
TORQUE ALL TO SPEC



STEP 1 :
MTM1221-4002-BR(SDX1926Q-43)
1. INSTALL THE MOUNTING BRACKET MTM1221-4002-BR TO THE STRUT INSIDE THE POLE USING 2 SETS OF M6 SEMS SCREWS AND CLIP NUTS

STEP 2 :
MTM1221-4003-BR(APAM)
1. INSTALL THE MOUNTING BRACKET MTM1221-4003-BR TO THE BRACKET INSIDE THE POLE USING 4 SETS OF M6 SEMS SCREWS AND CLIP NUTS

STEP 3 :
MTM1221-4005-BR(AHFB+AZQC)
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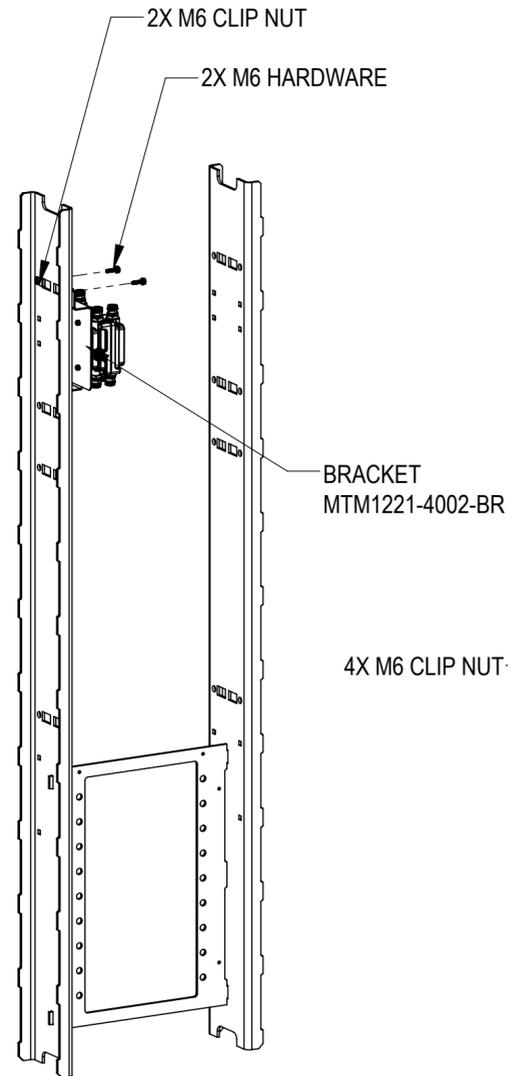
STEP 4 :
MTM1160-1161-BR(AWHHF)
1. INSTALL THE MOUNTING BRACKET MTM1160-1161-BR TO THE STRUT INSIDE THE POLE USING 4 SETS OF M6 SEMS SCREWS AND CLIP NUTS

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TITLE KIT NOKIA INSTALL - PB20 72" TMT RAD EXT				
SIZE C	SCALE 1:10	DOCUMENT NO. MTM1193-9900-AMK-N		
		DRAWING		SHEET 7 OF 9
		VERSION 00	STATUS RE	

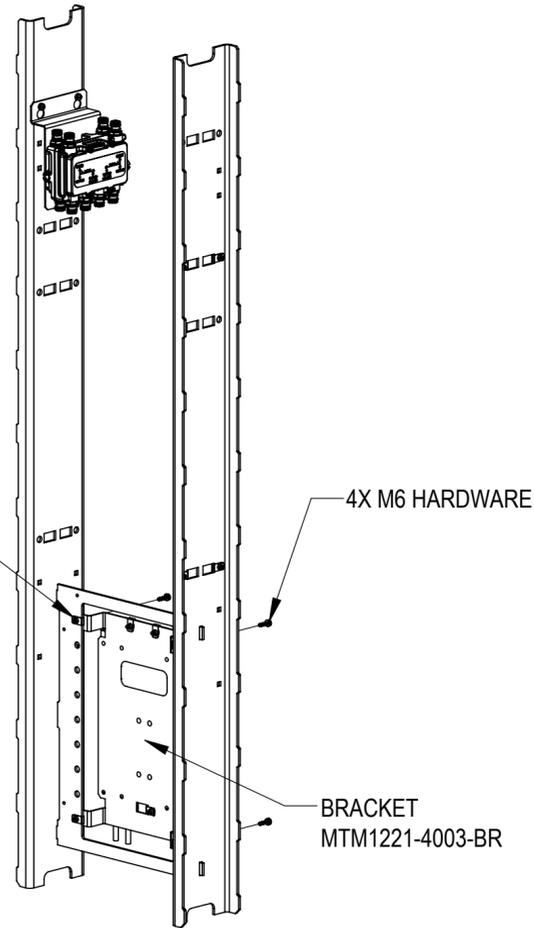
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N4: NOK AHFB + AHIB + AZRB + AZQC 3.5GHZ + QUAD DIPLEXER SDX1926Q-43 + APAM INSTALLATION

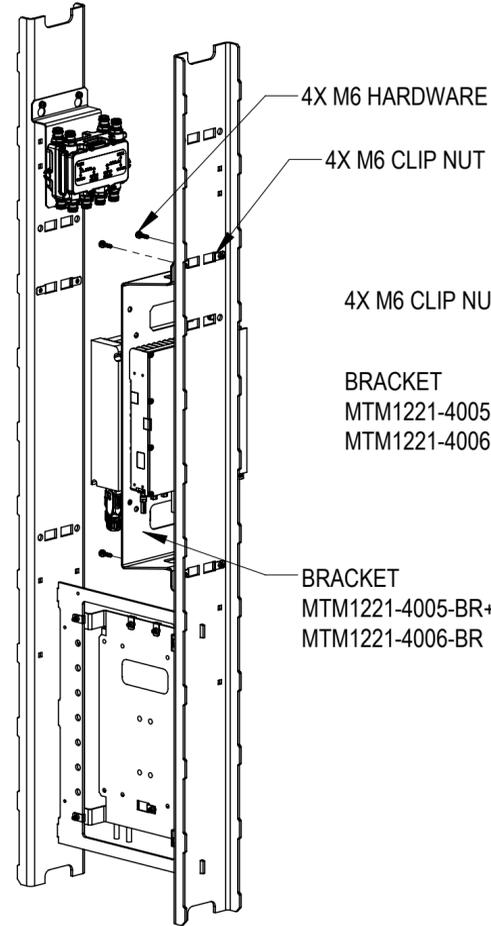
EQUIPMENT INSTALLATION SEE SHEET 3 & 4
TORQUE ALL TO SPEC



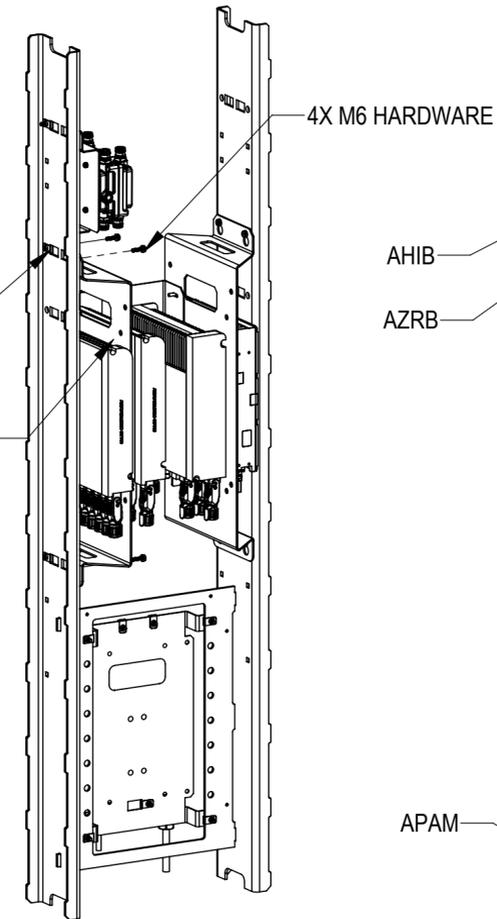
STEP 1 :
MTM1221-4002-BR(SDX1926Q-43)
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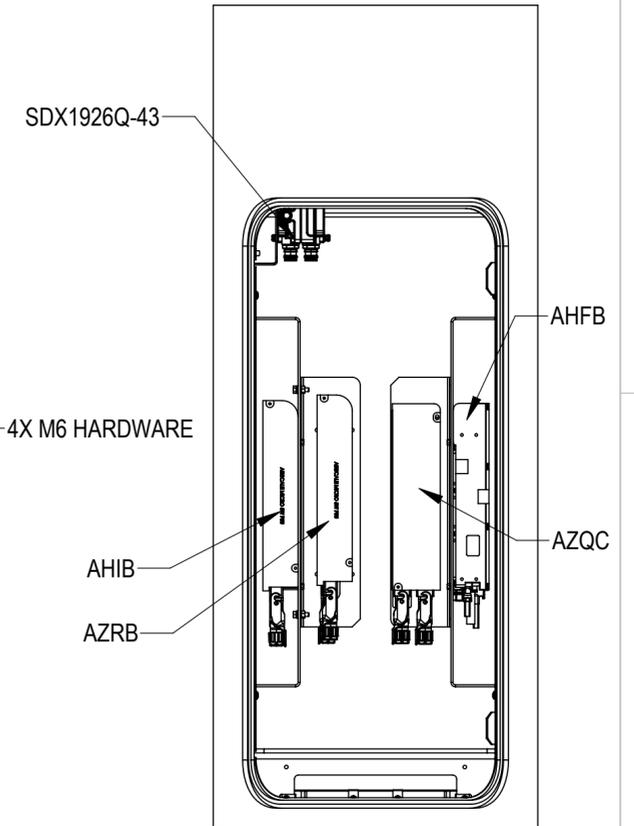
STEP 2 :
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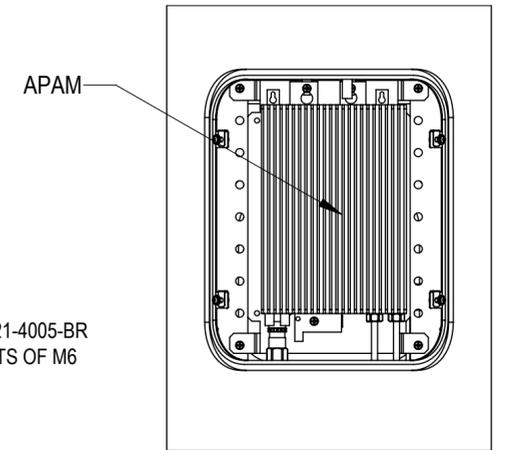
STEP 3 :
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1. INSTALL THE MOUNTING BRACKET MTM1221-4005-BR TO THE STRUT INSIDE THE POLE USING 4 SETS OF M6 SEMS SCREWS AND CLIP NUTS



STEP 4 :
MTM1221-4005-BR(AHIB+AZRB)
1. INSTALL THE MOUNTING BRACKET MTM1221-4005-BR TO THE STRUT INSIDE THE POLE USING 4 SETS OF M6 SEMS SCREWS AND CLIP NUTS



FRONT VIEW



REAR VIEW

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TITLE
KIT NOKIA INSTALL - PB20 72" TMT RAD EXT

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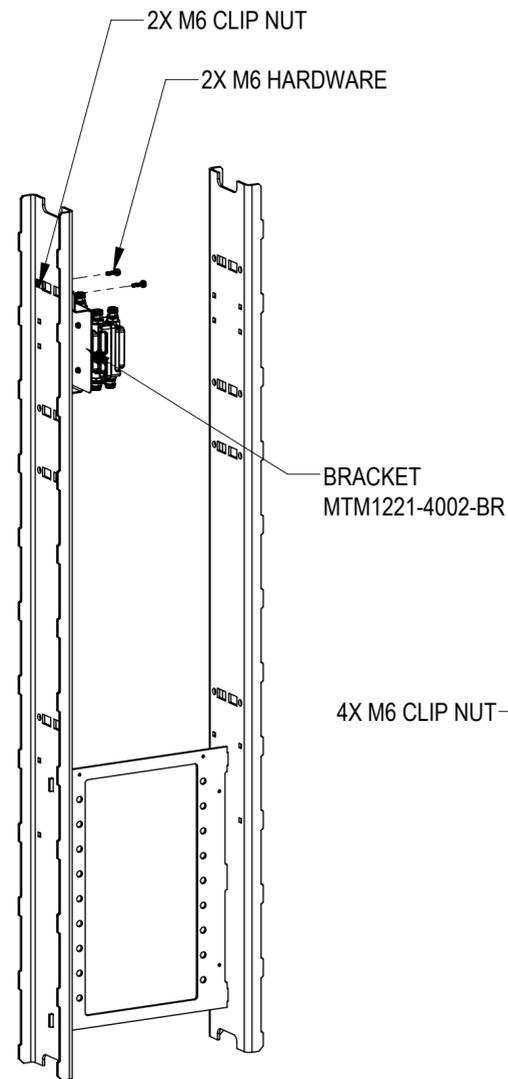
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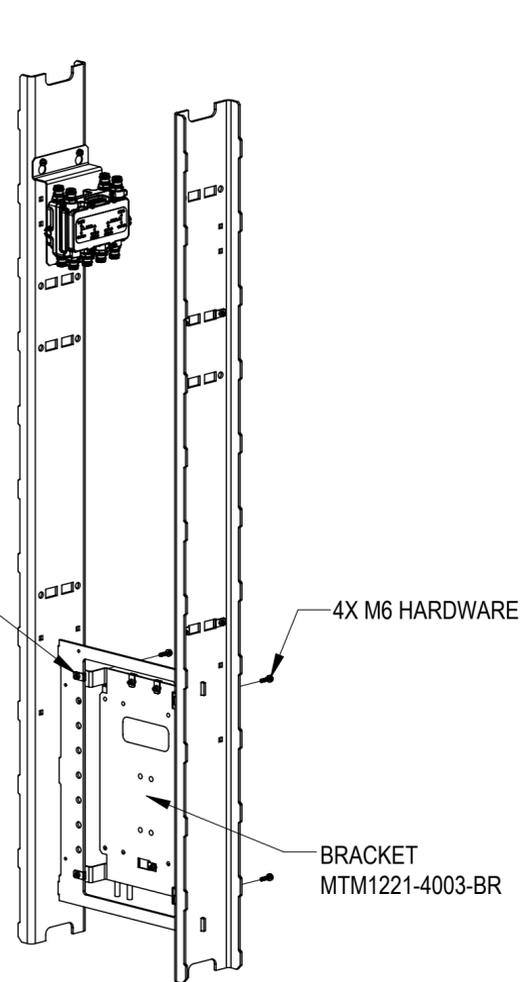
DRAWING			SHEET 8 OF 9
VERSION	STATUS	REVISION	
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N5: NOK AHFIB + NOK AWHHF + QUAD DIPLEXER SDX1926Q-43 + APAM INSTALLATION

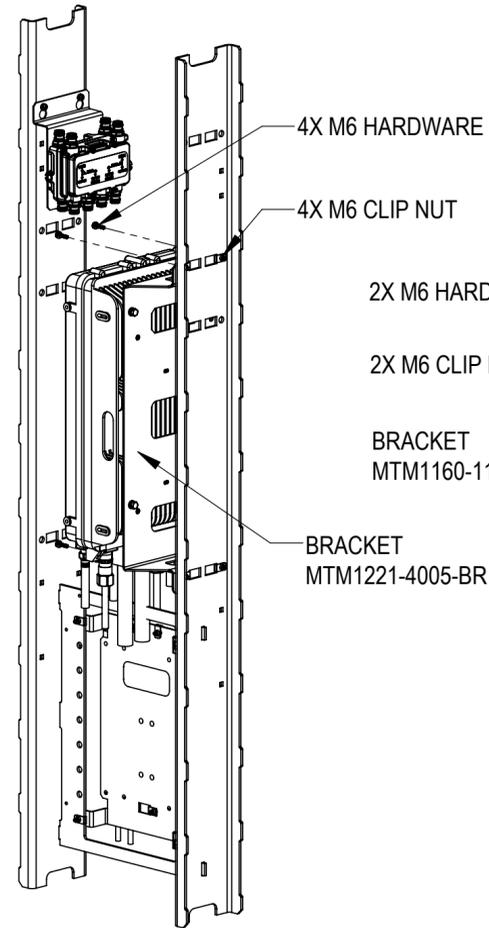
EQUIPMENT INSTALLATION SEE SHEET 3 & 4
TORQUE ALL TO SPEC



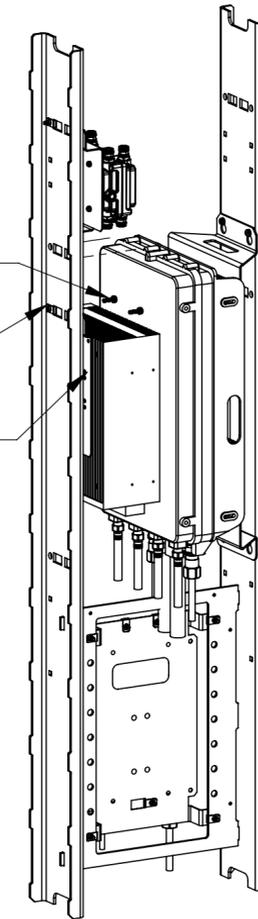
STEP 1 :
MTM1221-4002-BR(SDX1926Q-43)
1. INSTALL THE MOUNTING BRACKET MTM1221-4002-BR TO THE STRUT INSIDE THE POLE USING 2 SETS OF M6 SEMS SCREWS AND CLIP NUTS



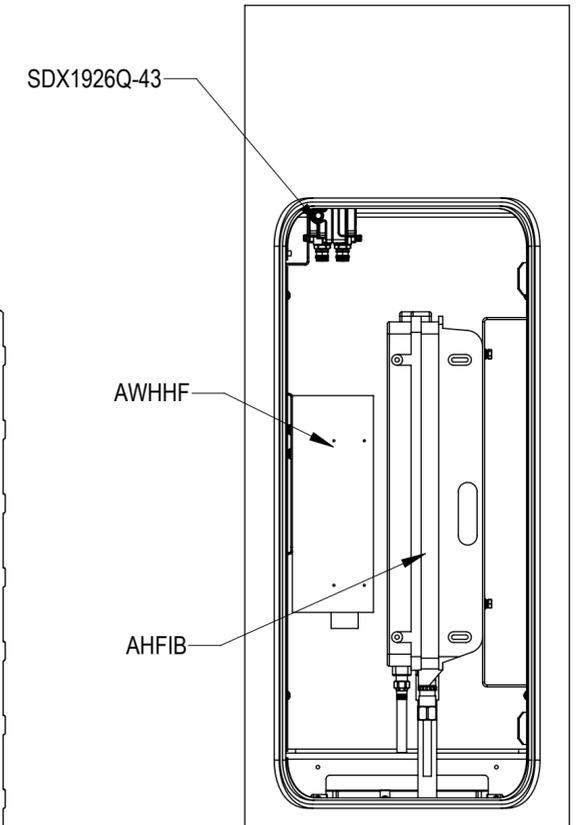
STEP 2 :
MTM1221-4003-BR(APAM)
1. INSTALL THE MOUNTING BRACKET MTM1221-4003-BR TO THE BRACKET INSIDE THE POLE USING 4 SETS OF M6 SEMS SCREWS AND CLIP NUTS



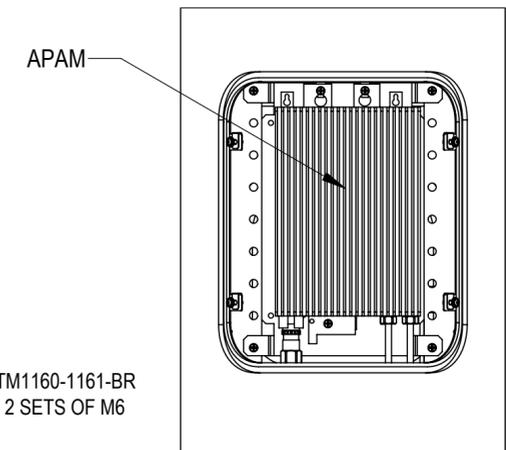
STEP 3 :
MTM1221-4005-BR(AHFIB)
1. INSTALL THE MOUNTING BRACKET MTM1221-4005-BR TO THE STRUT INSIDE THE POLE USING 4 SETS OF M6 SEMS SCREWS AND CLIP NUTS



STEP 4 :
MTM1160-1161-BR(AWHHF)
1. INSTALL THE MOUNTING BRACKET MTM1160-1161-BR TO THE STRUT INSIDE THE POLE USING 2 SETS OF M6 SEMS SCREWS AND CLIP NUTS



FRONT VIEW



REAR VIEW

 ANDREW an Amphenol company				
TITLE KIT NOKIA INSTALL - PB20 72" TMT RAD EXT				
SIZE C	SCALE 1:10	DOCUMENT NO. MTM1193-9900-AMK-N		
 		DRAWING		SHEET 9 OF 9
		VERSION 00	STATUS RE	

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