

PART NUMBERS, WEIGHTS, & EPA

TABLE 1: CONFIGURATIONS

PART NUMBER	DESCRIPTION	WEIGHT (LBS)	(EPA)A (FT²)*	(EPA)A 1/2" ICE THICKNESS (FT²)*	ANTENNA PIPES	INCLUDED PARTS																								
						MC-RM1550-3D	MCG22HD-HK01	MCG22RHDX-SB01	XP-2525-6	XP-2525-8	XP-2525-12	XP-2525-OFF-12	XP-2525-15	SFG2204	PB0607A0611K	PB0607A0908B0611K	PB0607A09TEB0611K	PB0607A0910B0611K	PB0607A0612K	PB0607A1208B0612K	PB0607A1210B0612K	PB0607A0613K	PB0607A1208B0613K	PB0607A12TEB0613K	PB0607A1210B0613K	PB0607A0615P	PB0607A12TEB0615P	PB0607A15TEB0615P	SFG2295	
MCG22RHDX-11MB	MP,SF,11'FP,NOAP	1650.94	20.32	29.50	-	1	1	1	-	-	-	-	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3	
MCG22RHDX-11M996	PG,MP,SF,11'FP,(09)096"AP	2056.75			9	1	1	1	3	-	-	-	-	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3
MCG22RHDX-11M9120	PG,MP,SF,11'FP,(09)120"AP	2120.54			9	1	1	1	3	-	-	-	-	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	3
MCG22RHDX-11M9126	PG,MP,SF,11'FP,(09)126"AP	2136.48			9	1	1	1	3	-	-	-	-	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	3
MCG22RHDX-12MB	MP,SF,12'FP,NOAP	1711.18	21.28	30.77	-	1	1	1	-	-	-	-	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	3	
MCG22RHDX-12M1296	MP,SF,12'FP,(12)096"AP	2252.26			12	1	1	1	-	3	-	-	-	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	3
MCG22RHDX-12M12126	MP,SF,12'FP,(12)126"AP	2358.57			12	1	1	1	-	3	-	-	-	3	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	3
MCG22RHDX-13MB	MP,SF,13'FP,NOAP	1728.62	21.60	31.20	-	1	1	1	-	-	-	-	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	3	
MCG22RHDX-13M1296	PG,MP,SF,13'FP,(12)096"AP	2269.7			12	1	1	1	-	3	-	-	-	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	3
MCG22RHDX-13M12120	PG,MP,SF,13'FP,(12)120"AP	2354.75			12	1	1	1	-	3	-	-	-	3	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	3
MCG22RHDX-13M12126	PG,MP,SF,13'FP,(12)126"AP	2376.01			12	1	1	1	-	3	-	-	-	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	3
MCG22RHDX-15MB	MP,SF,15'FP,NOAP	1967.12	23.11	33.23	-	1	1	1	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	3	
MCG22RHDX-15M12120	PG,MP,SF,15'FP,(12)120"AP	2692.51			12	1	1	1	-	-	1	1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	3
MCG22RHDX-15M15120	PG,MP,SF,15'FP,(15)120"AP	2749.78			15	1	1	1	-	-	-	-	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3

* (EPA)A DOES NOT INCLUDE ANTENNA PIPES AND MOUNTING HARDWARE. IF DESIRED, ADD ANTENNA PIPE PER TABLE 2

TABLE 2: EPA OF EACH ANTENNA PIPE

ANTENNA PIPE	(EPA)A (FT ²)	(EPA)A W/ 1/2" ICE THICKNESS (FT ²)
2-7/8" X 96"	1.84	2.48
2-7/8" X120"	2.30	3.10
2-7/8" X126"	2.42	3.26

- NOTE:
- ANTENNA PIPES ARE CONSIDERED SEPARATELY.
 - KA FACTOR OF 3-SECTOR EPA INCLUDED.
 - COMBINE THE ASSOCIATED EPA VALUES IN THE TABLES ABOVE TO DETERMINE THE EPA OF A MOUNT MODEL WITH A LISTED MOUNT PIPE CONFIGURATION.
FOR EXAMPLE, MCG22RHDX-13M12120 HAS A 3-SECTOR EPA OF 21.60 FT² WITH NO ICE PLUS 12 ANTENNA PIPES WITH A 3-SECTOR EPA OF 12X2.30=27.60 FT² WITH NO ICE.
SO, THE TOTAL EPA OF 49.20 FT² FOR THE MCG22RHDX-13M12120.



TITLE

MCG22RHDX SECTOR FRAME SERIES

SIZE	SCALE	DOCUMENT NO.		
C	1:24	MCG22RHDX		



DRAWING			SHEET
VERSION	STATUS	REVISION	
02	RE	C	2 OF 9

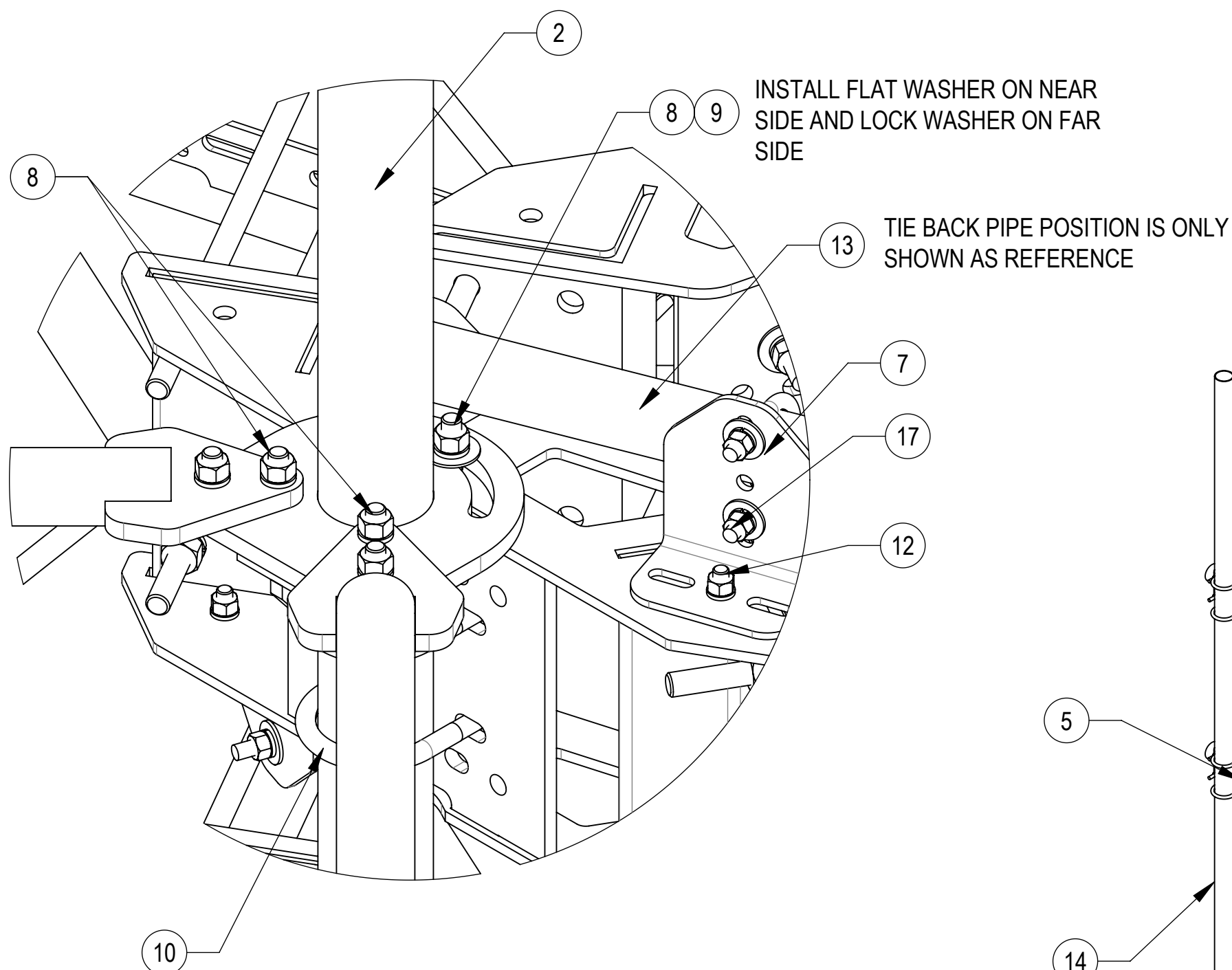
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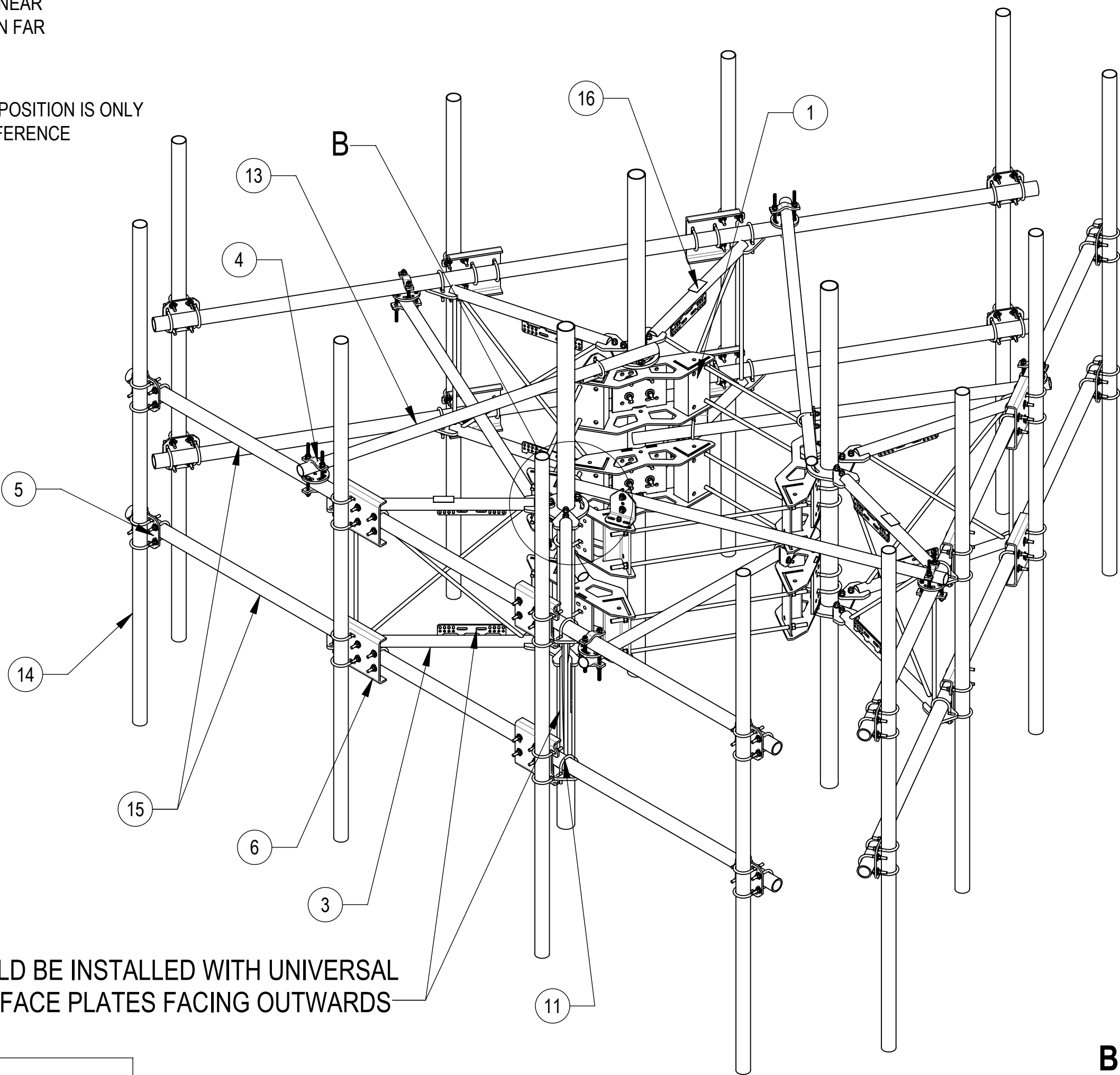


DETAIL B
SCALE 1 : 4

MCG22RHDX-15M12120 SHOWN FOR REFERENCE
(NOT ALL CONFIGURATIONS INCLUDE ALL ITEMS SEE
NOTES IN TABLE)

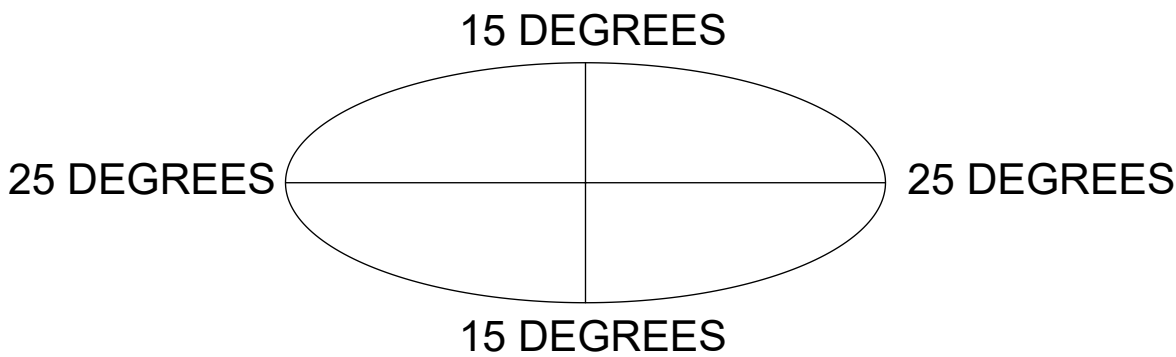
COMPONENT PART NUMBERS PROVIDED FOR ASSEMBLY PURPOSES;
INDIVIDUAL COMPONENTS MAY BE SHIPPED AS PARTS WITHIN AN INCLUDED KIT.

ITEM	PART NO.	DESCRIPTION	QTY.	WEIGHT	NOTE NO.
1	MC-RM1550-3	15" - 50" OD RINGMOUNT	2	229.90 LBS	
2	SFG2204	WELDMENT, BACK VERTICAL ARM MOUNT	3	36.96 LBS	
3	SFG2292-00	WELDMENT, V-ARM, SECTOR FRAME 22	6	49.69 LBS	
4	XP-R	CROSSOVER PLATE, ROUND, UP TO 3.5" OD	6	6.20 LBS	
5	XP-2525	CROSSOVER PLATE KIT, 2-7/8 OD X 2-7/8 OD	12	8.37 LBS	PART NO. AND QTY SEE INDIVIDUAL DRAWING
6	XP-2525-OFF	OFFSET CO PLATE KIT, 2-7/8ODX2-7/8OD	12	17.91 LBS	PART NO. AND QTY SEE INDIVIDUAL DRAWING
7	XAU01	ANGLE, CROSSOVER, 1.9-3.5" X 1.9-3.5" OD	6	2.98 LBS	
8	GB-05225	5/8" X 2-1/4" GALV BOLT KIT	30	0.28 LBS	
9	GWf-05	5/8" GALV FLAT WASHER, 1.7OD	6	0.06 LBS	
10	GUB-53560	5/8" X 3-5/8" X 6" GALV U-BOLT	12	1.30 LBS	
11	GUB-4352	1/2" X 3" X 5-1/4" GALV U-BOLT	12	0.71 LBS	
12	GB-04145	1/2" X 1-1/2" GALV BOLT KIT	6	0.13 LBS	
13	MT-651-84	2.375" OD X 84" PIPE	6	20.35 LBS	
14	MT546120120	PIPE, 2.875"OD X 120"	12	35.44 LBS	PART NO. AND QTY SEE INDIVIDUAL DRAWING
15	MT546180276	PIPE, 2.875"OD X 180"	6	115.33 LBS	PART NO. SEE INDIVIDUAL DRAWING
16	SFG2295	LABEL, SFG23RHDX	3	0.03 LBS	
17	GUB-4240	1/2" X 2-1/2" X 4" GALV U-BOLT	6	0.56 LBS	



TOP
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BOTTOM

ALLOWABLE TIEBACK ANGLE
±15 DEGREES VERTICAL
±25 DEGREES HORIZONTAL



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TITLE MCG22RHDX SECTOR FRAME SERIES				
SIZE C	SCALE 1:20	DOCUMENT NO. MCG22RHDX		
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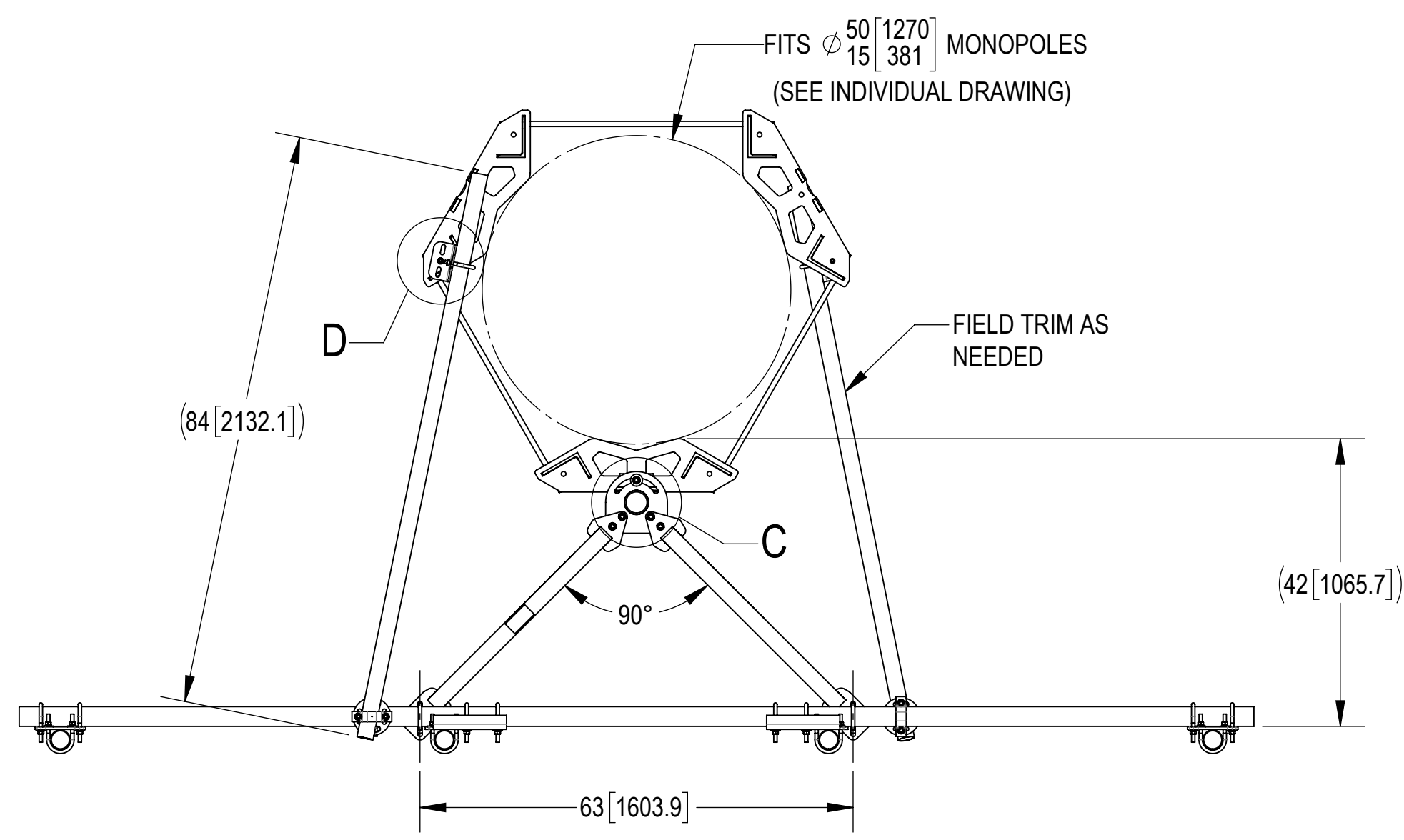
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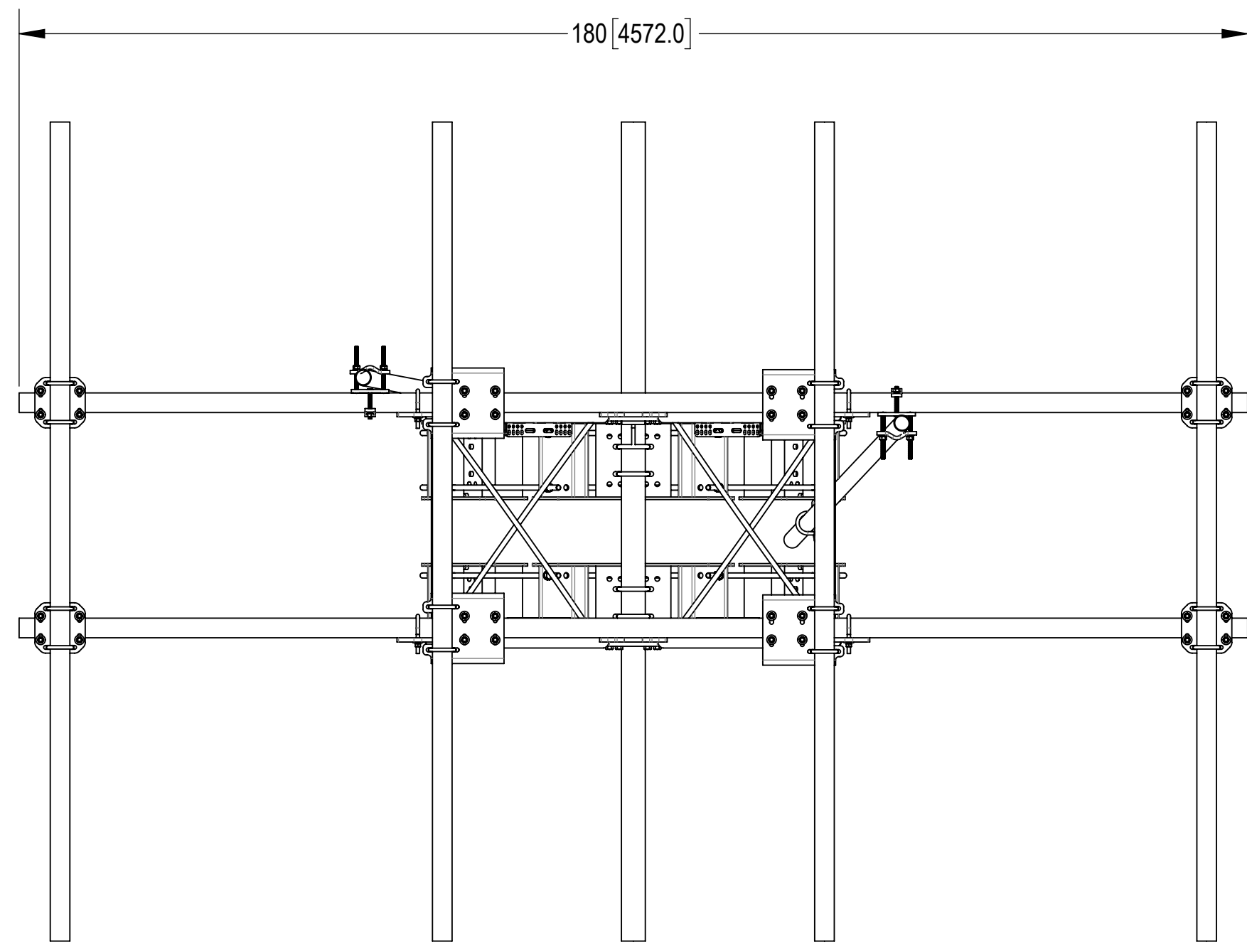
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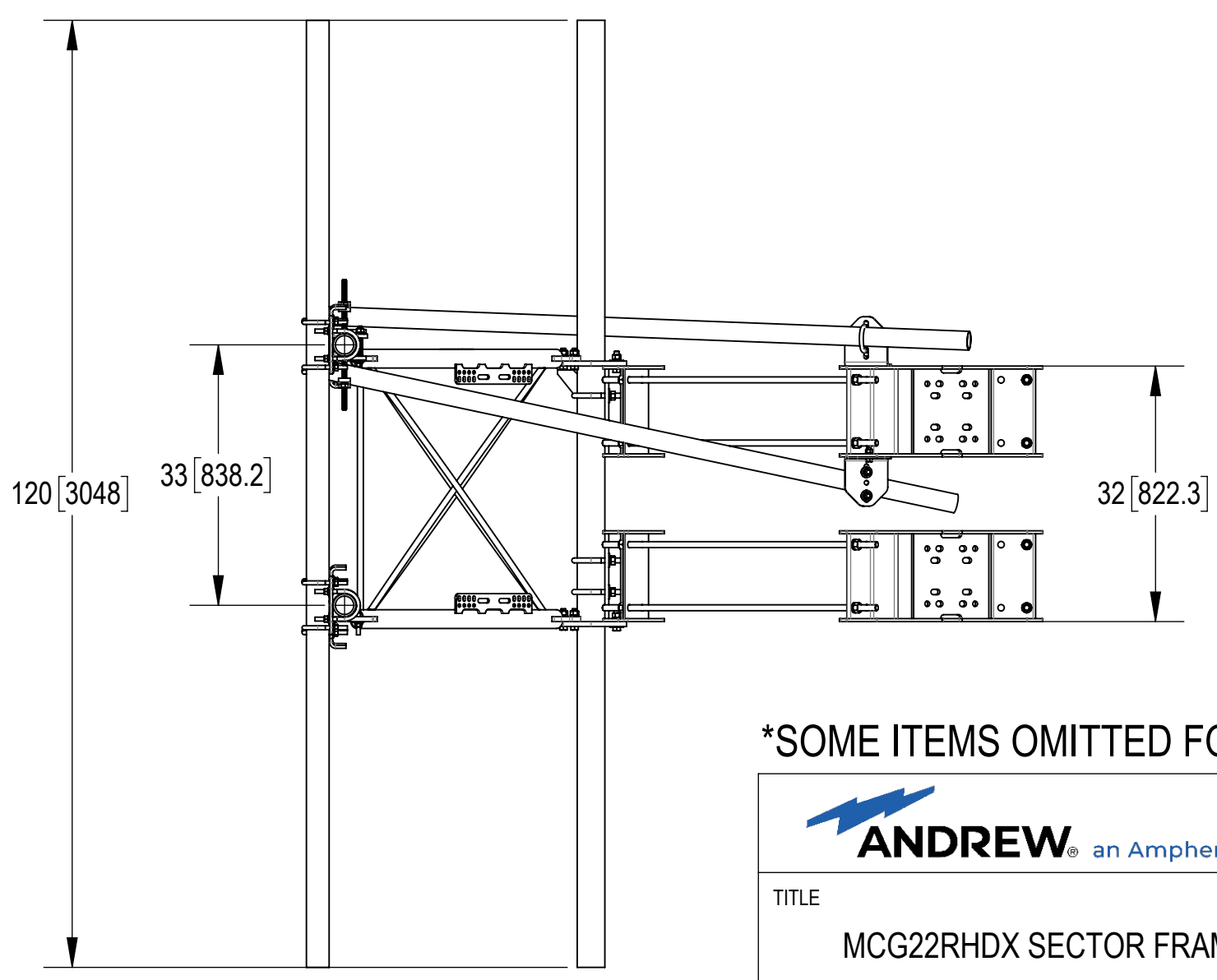
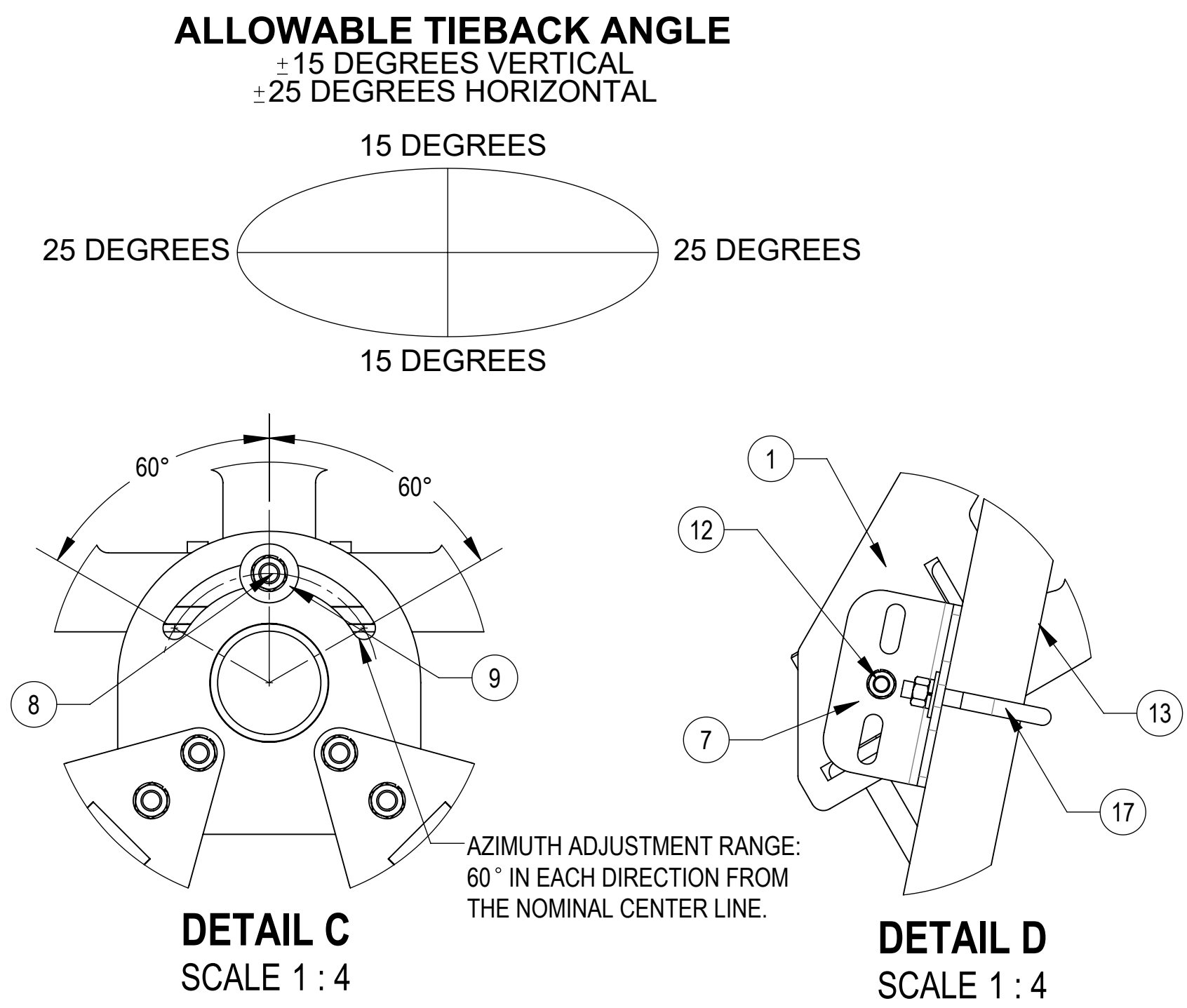


MCG22RHDX-15M12120 SHOWN FOR REFERENCE
(NOT ALL CONFIGURATIONS INCLUDE ALL ITEMS SEE NOTES IN TABLE ON PAGE 3)



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BOTTOM

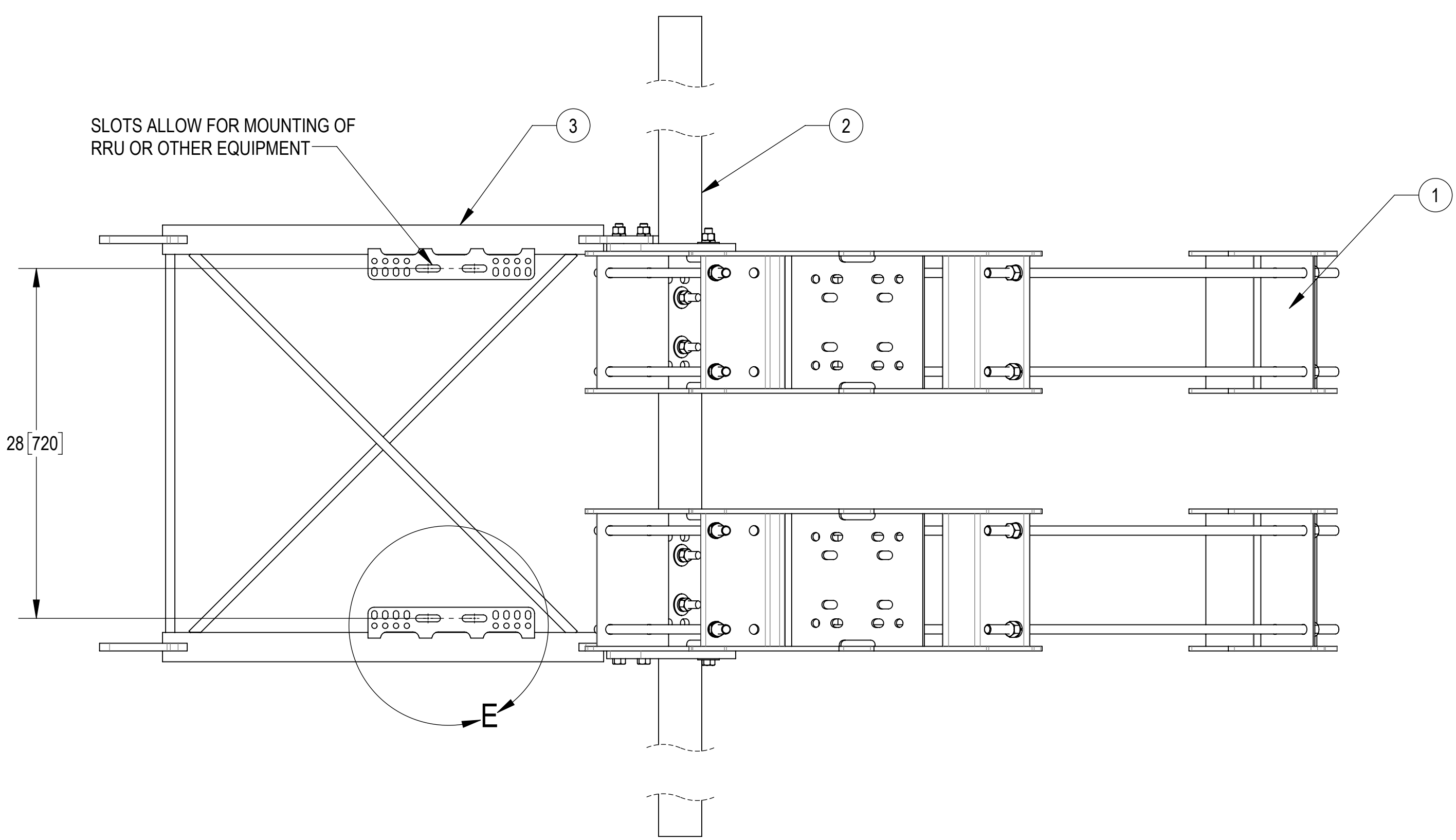


SOME ITEMS OMITTED FOR CLARITY

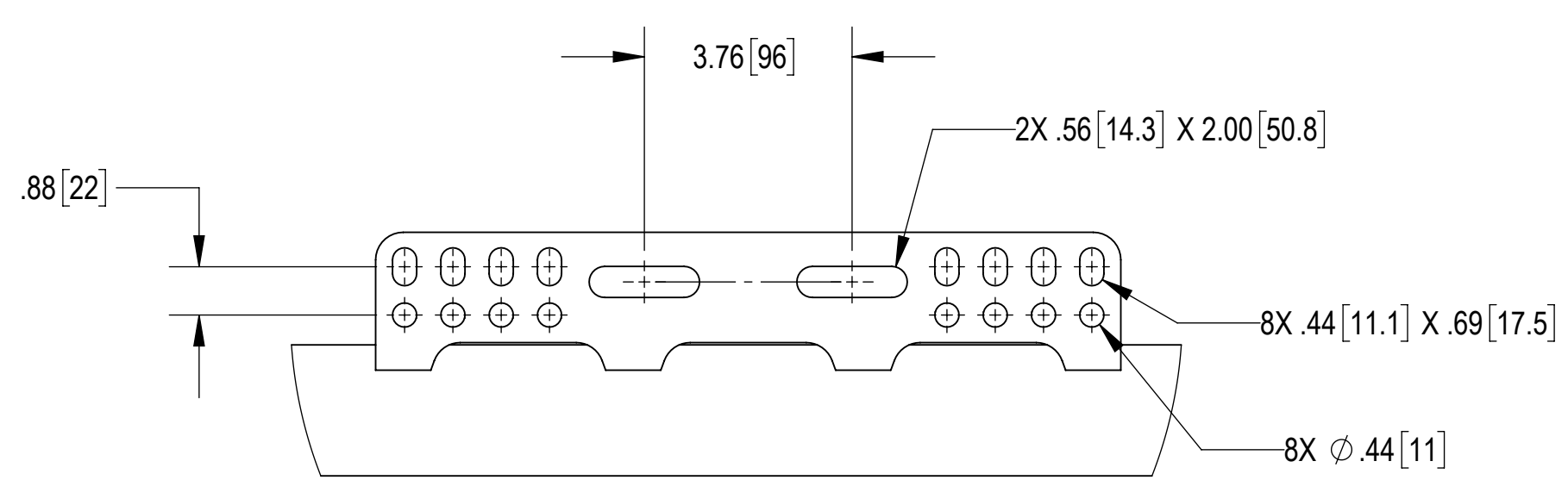


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MCG22RHDX SECTOR FRAME SERIES					
SIZE	SCALE	DOCUMENT NO.			
C	1:20	MCG22RHDX			
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SIDE VIEW



DETAIL E
SCALE 1 : 3

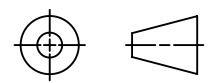
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MCG22RHDX SECTOR FRAME SERIES

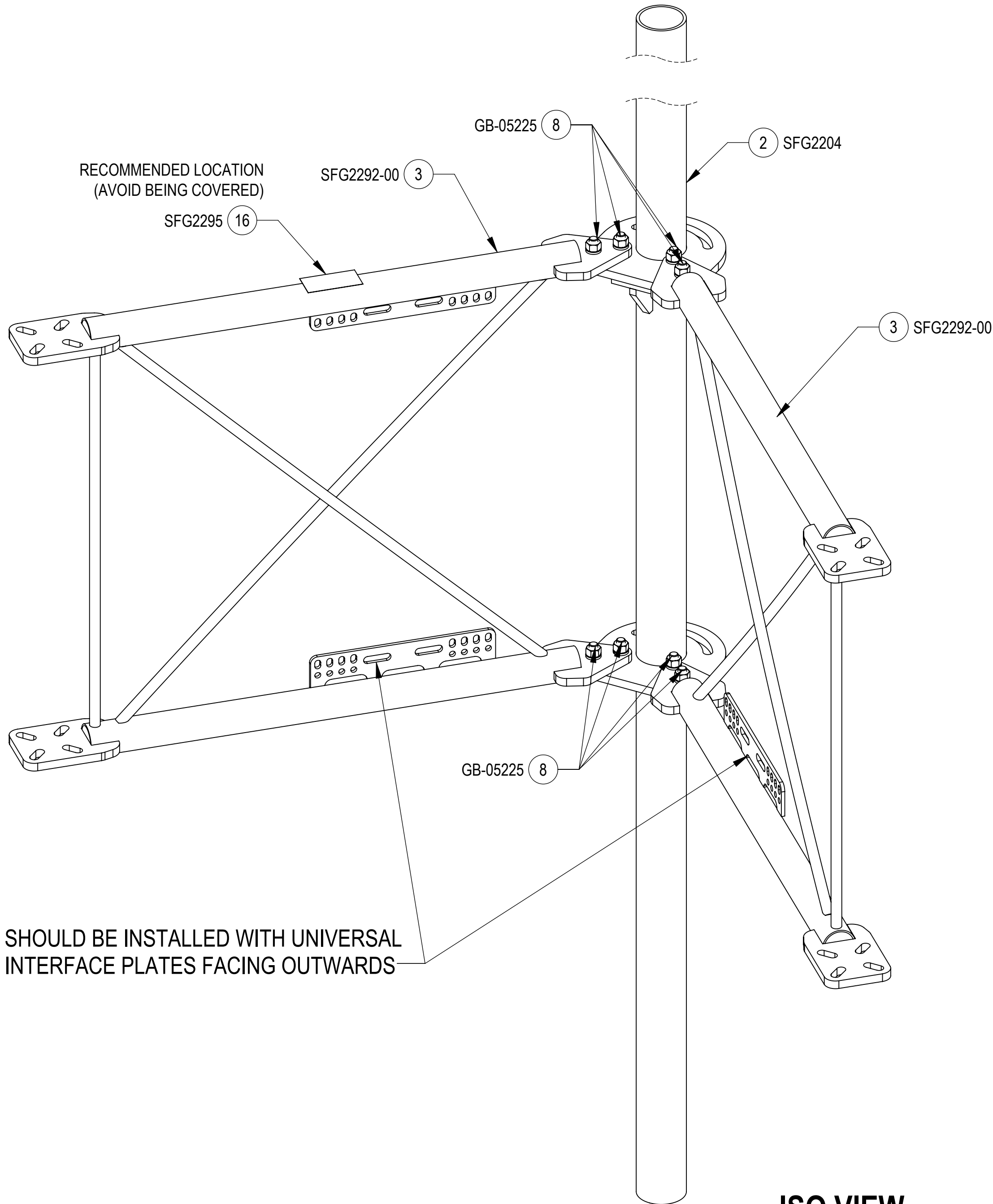
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 		DRAWING			SHEET 5 OF 9	
		VERSION	STATUS	REVISION		
		02	RE	C		

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INSTALLATION SEQUENCE - REFERENCE ONLY

STEP 1: ATTACH STANDOFF ARMS (SFG2292-00) TO BACK VERTICAL ARM MOUNT (SFG2204) USING BOLT KITS (GB-05225).
ATTACH LABEL (SFG2295) ON TOP OF STANDOFF ARMS (SFG2292-00). (WIPE GALVANIZED SURFACE WITH ALCOHOL CLEANER BEFORE APPLYING LABEL)

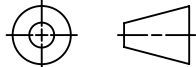


TOP

BOTTOM

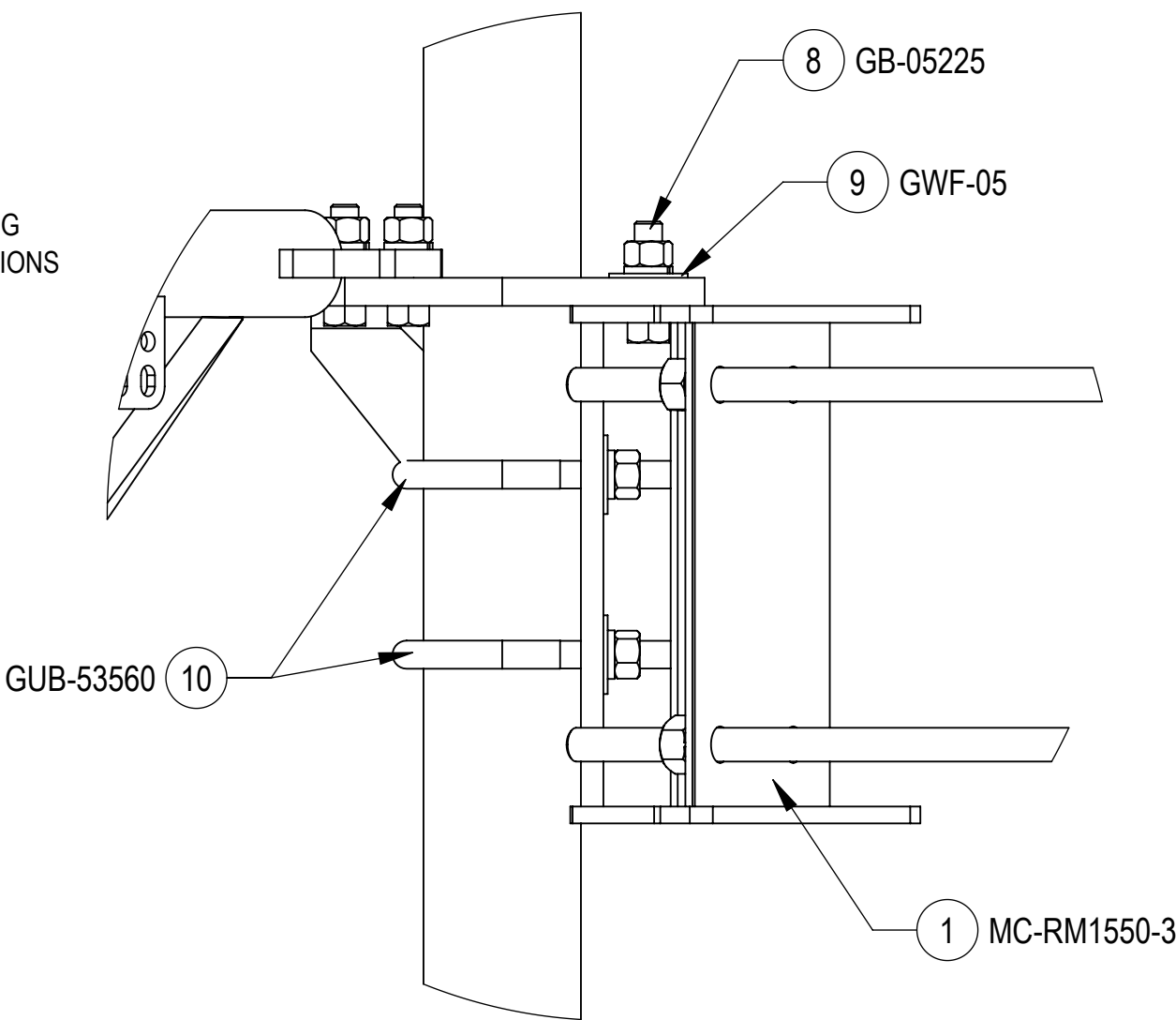
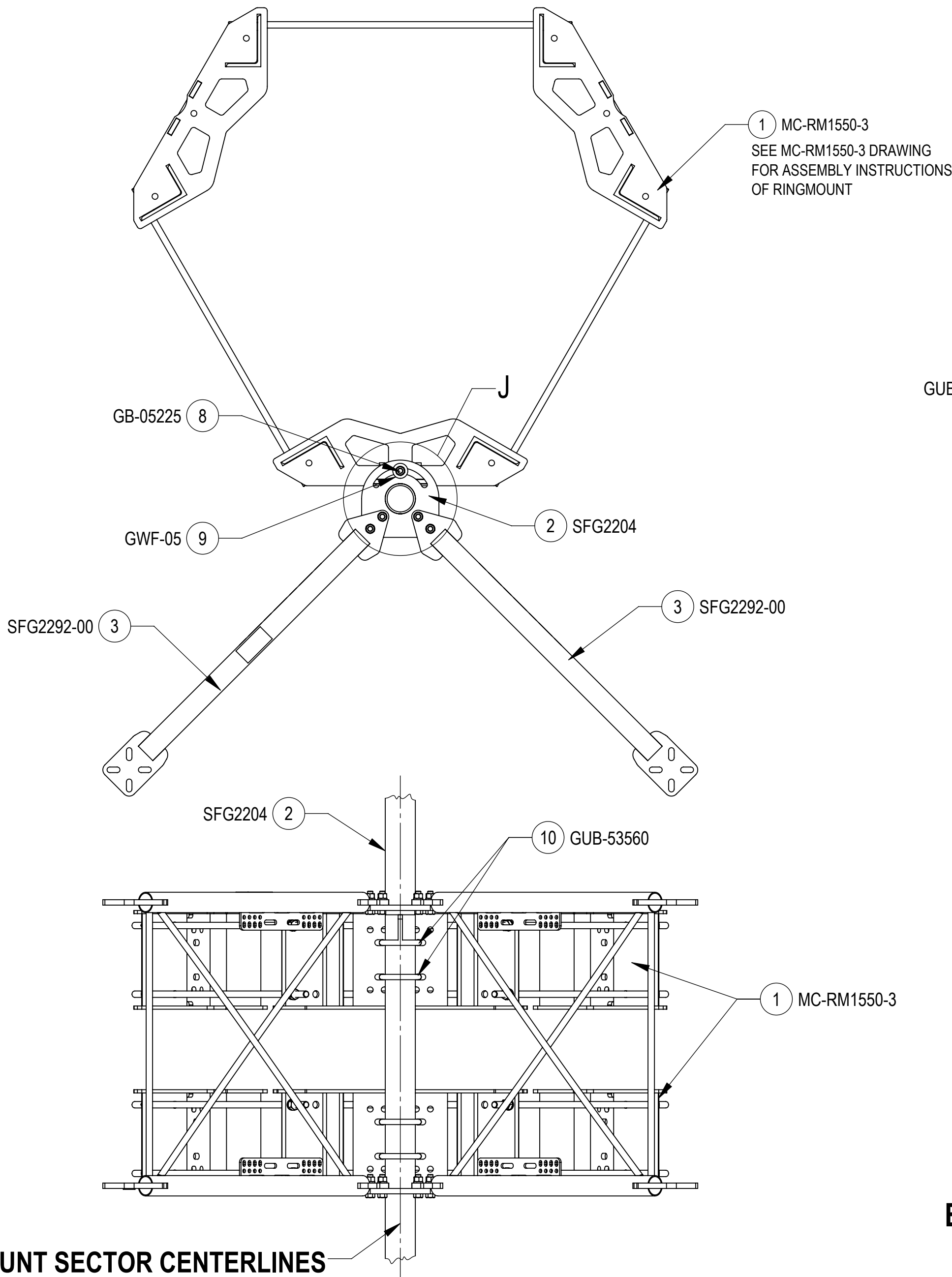
ISO VIEW

SOME ITEMS OMITTED FOR CLARITY

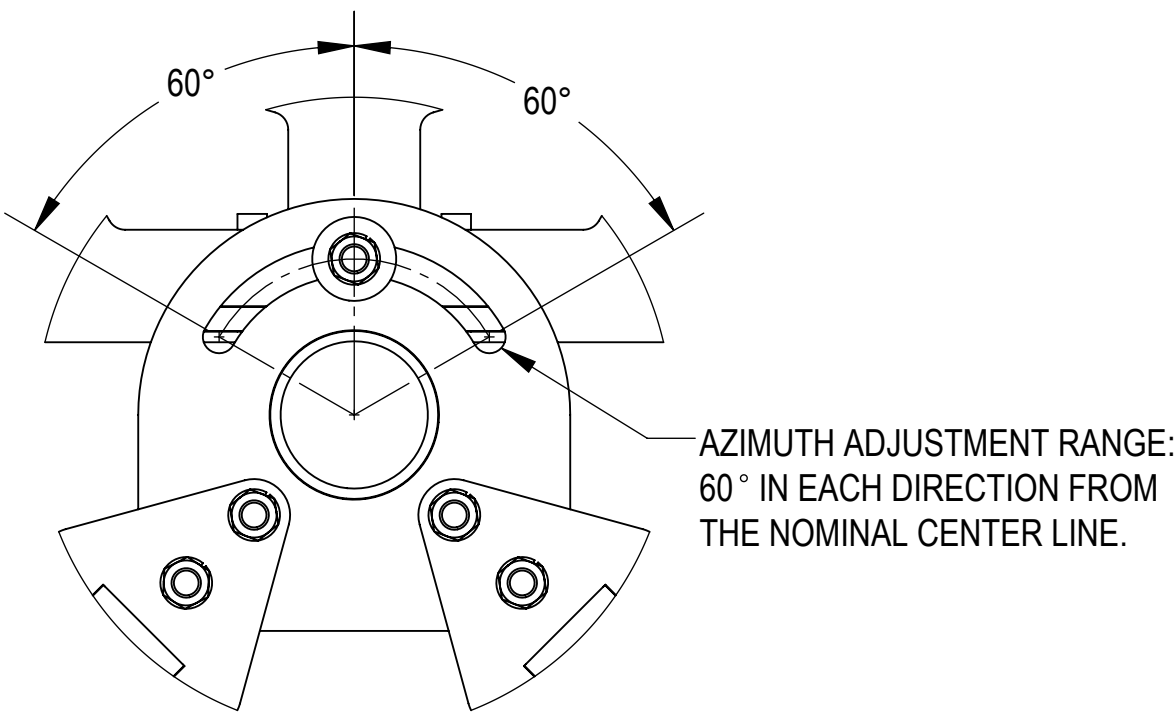
				
TITLE				
MCG22RHDX SECTOR FRAME SERIES				
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		VERSION	STATUS	REVISION
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STEP 2: ATTACH BACK VERTICAL ARM MOUNT (SFG2204) TO RINGMOUNT (MC-RM1550-3) USING BOLT KITS (GB-05225), FLAT WASHERS (GWF-05) AND U-BOLTS (GUB-53560).



SIDE CROP VIEW



DETAIL J
SCALE 1 : 4

TOP

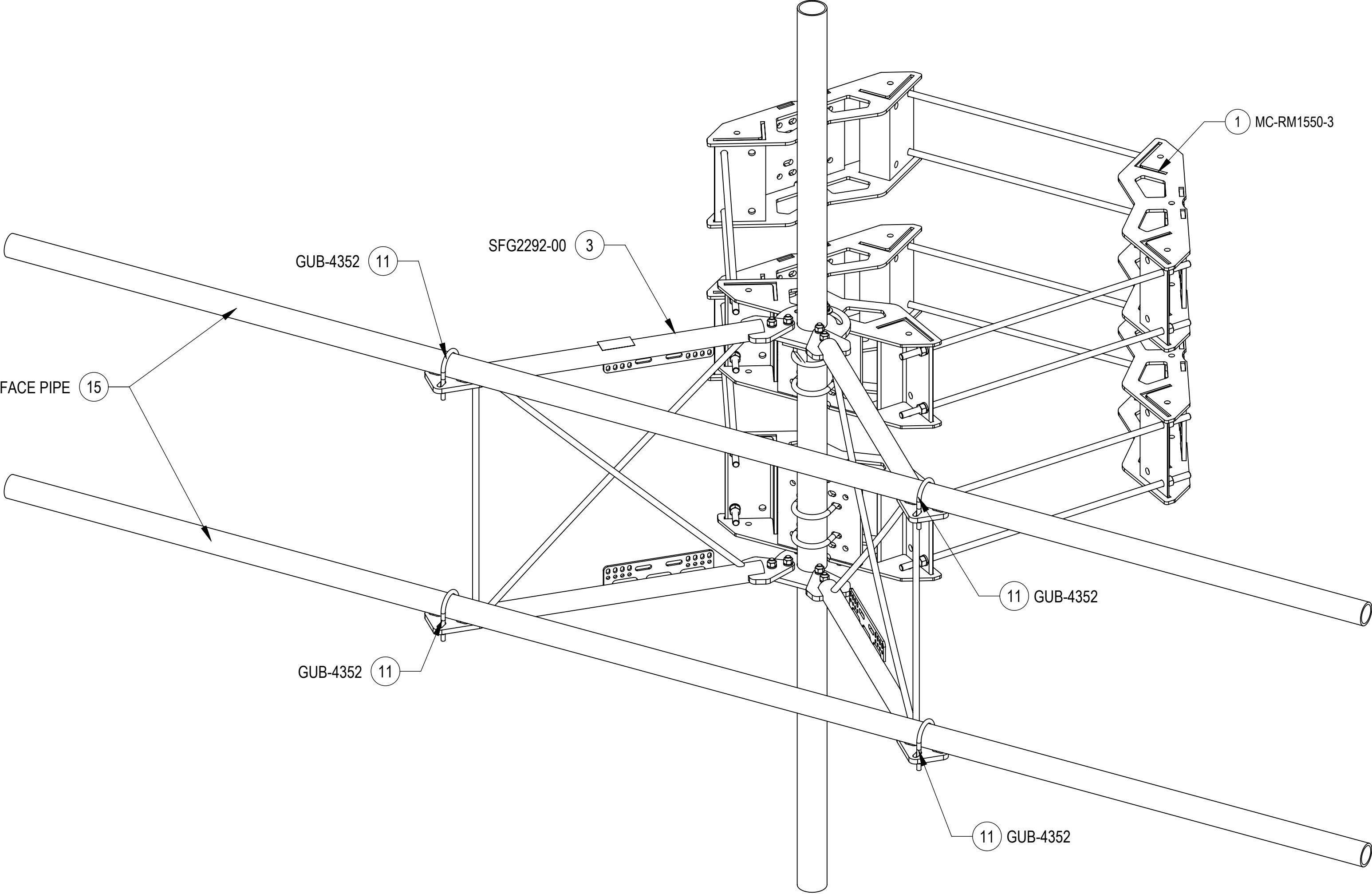
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SOME ITEMS OMITTED FOR CLARITY

				
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STEP 3: ATTACH FACE PIPES TO STANDOFF ARMS (SFG2292-00) USING U-BOLTS (GUB-4352).



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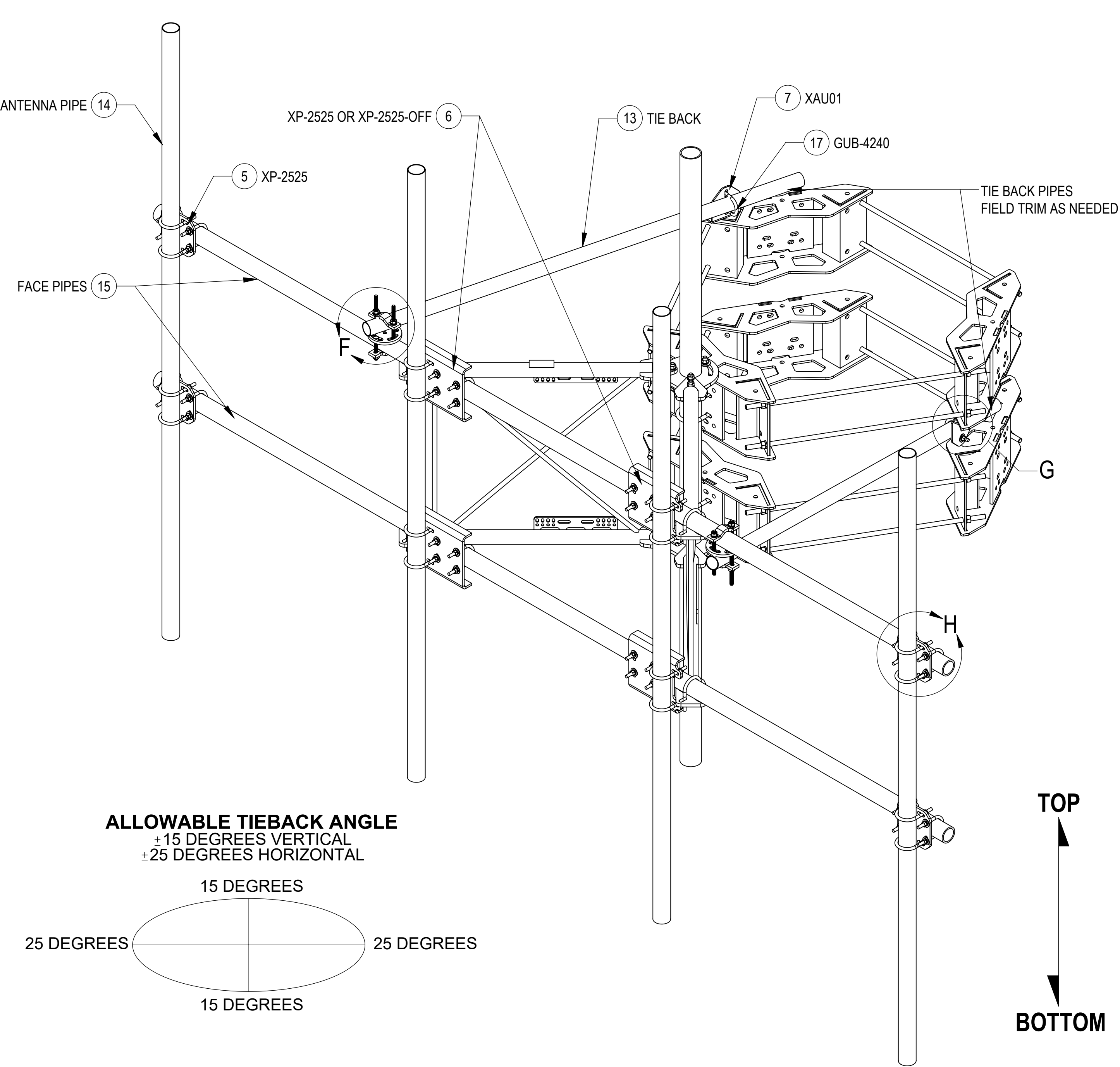
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SOME ITEMS OMITTED FOR CLARITY

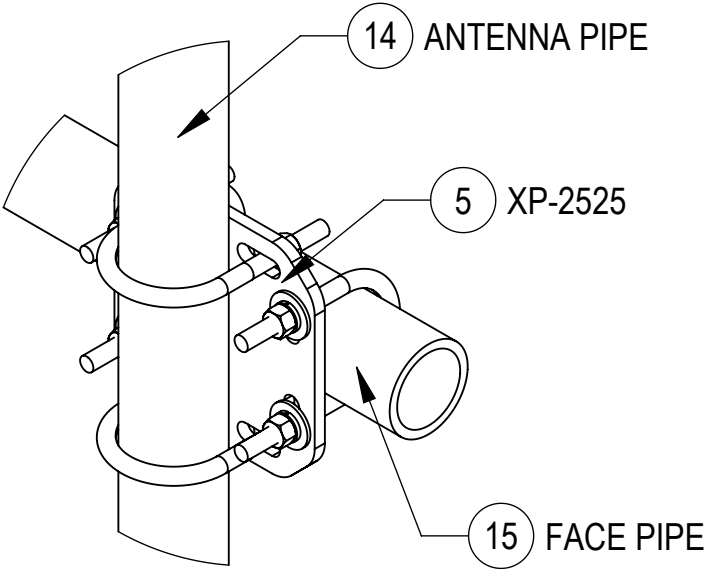
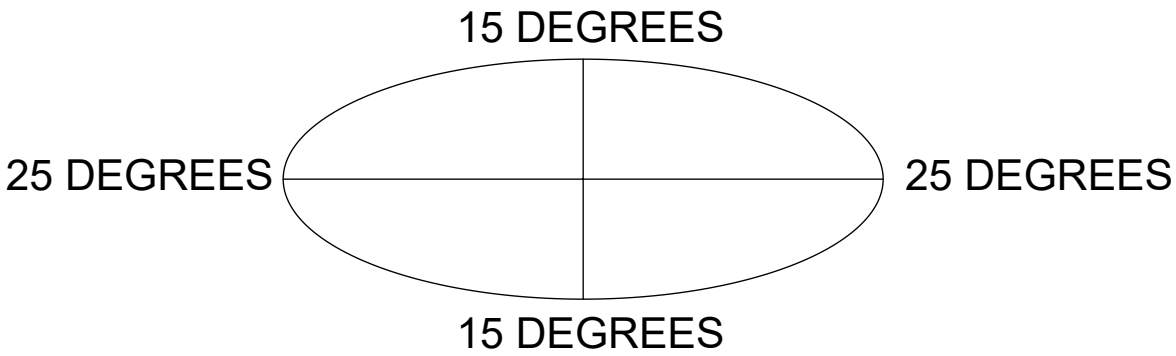
				
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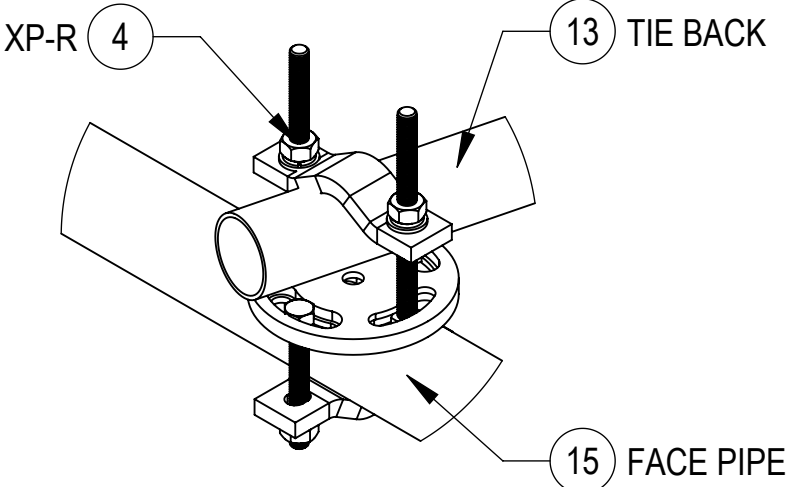
STEP 4: ATTACH ANTENNA PIPES TO FACE PIPES USING CROSSOVER PLATE KITS(XP-2525 OR XP-2525-OFF).
ATTACH TIE BACK PIPES TO FACE PIPES USING ROUND CROSSOVER PLATE KITS (XP-R), AND ATTACH TO RING MOUNTS (MC-RM1550-3)
USING CROSSOVER ANGLES (XAU01), BOLT KITS (GB-04145), FLAT WASHER (GWF-04) AND U-BOLT (GUB-4240).



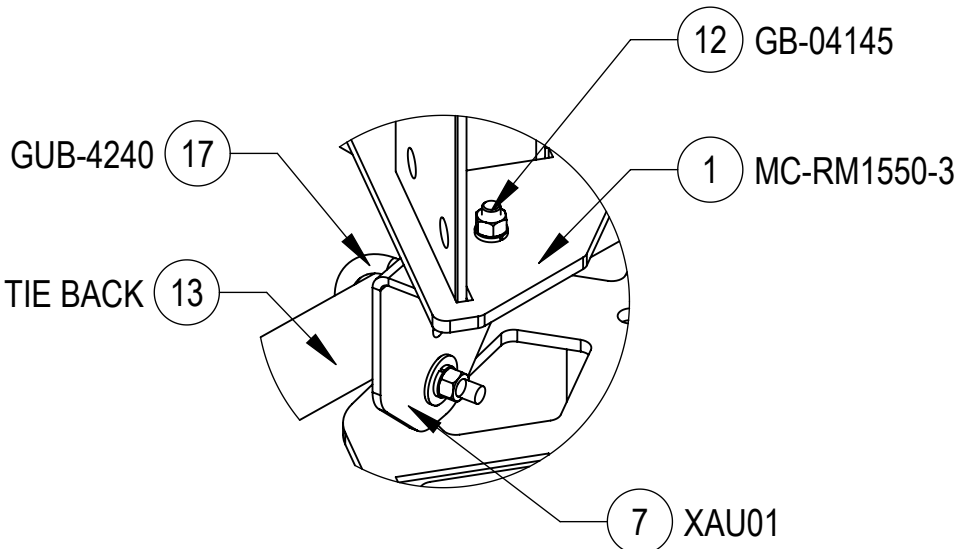
ALLOWABLE TIEBACK ANGLE
± 15 DEGREES VERTICAL
± 25 DEGREES HORIZONTAL



DETAIL H
SCALE 1 : 5



DETAIL F
SCALE 1 : 5



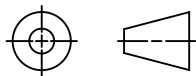
DETAIL G
SCALE 1 : 5

SOME ITEMS OMITTED FOR CLARITY

ANDREW an Amphenol company

TITLE
MCG22RHDX SECTOR FRAME SERIES

SIZE **C** SCALE **1:10** DOCUMENT NO. **MCG22RHDX**



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SHEET
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ISO VIEW

TOP
BOTTOM