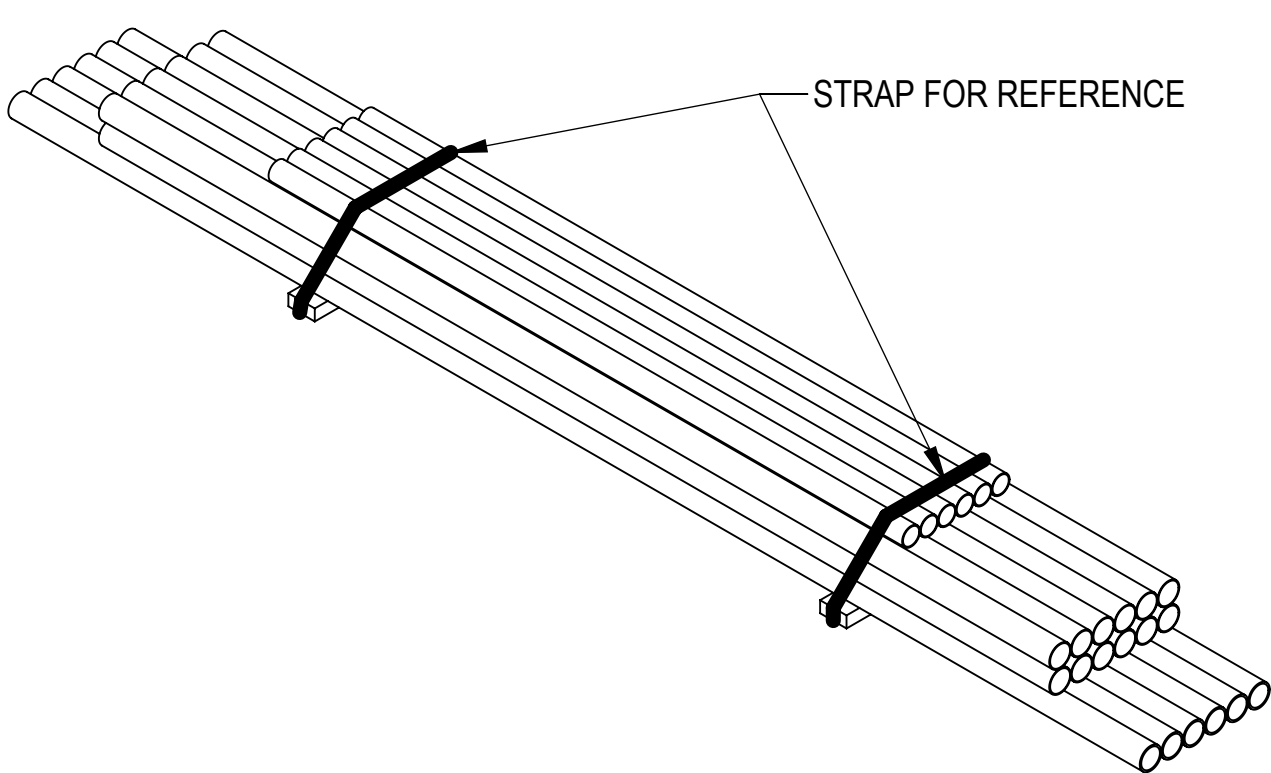
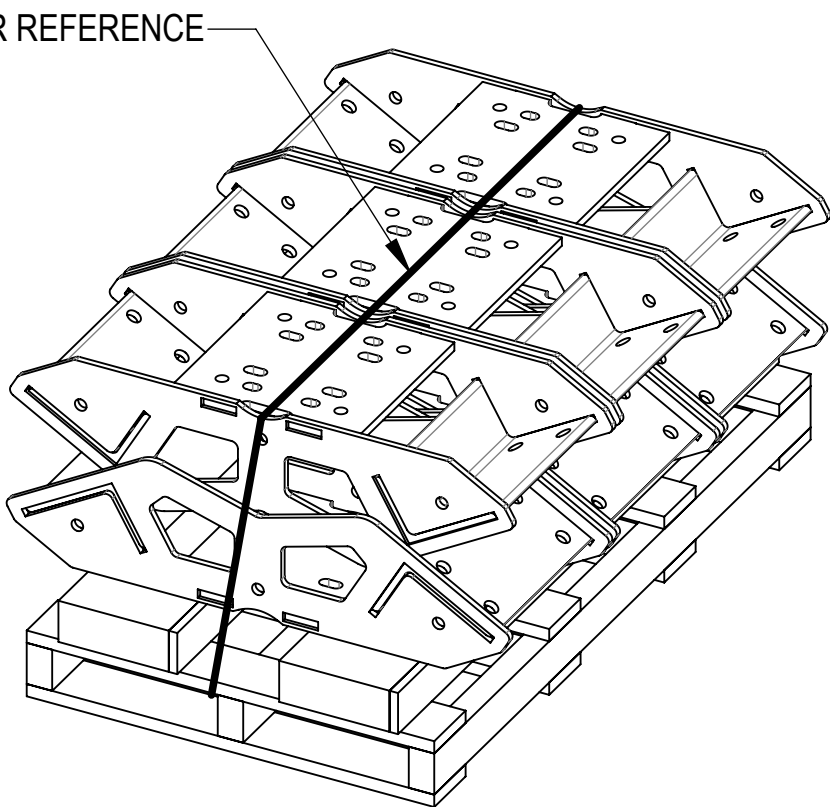


- 4
- 3
- 2
- 1
- 1.0 GENERAL NOTES
- 1.1 ALL METRIC DIMENSIONS ARE IN BRACKETS [X. X]
- 1.2 FOR PATENT INFO: <https://www.adwpat.com>
- 2.0 DESIGN NOTES
- 2.1 ANY HAZARDS OR OBSTRUCTIONS TO THE CLIMBING FACILITY AND SAFETY CLIMB MUST BE IDENTIFIED PRIOR TO INSTALLING THE APPURTENANCE. ADDITIONAL PRODUCTS MAY BE REQUIRED TO MAINTAIN THE INTEGRITY OF THE SAFETY CLIMB. DURING INSTALLATION, TEMPORARY AND/OR PERMANENT PRECAUTIONARY MEASURES SHOULD BE TAKEN TO PRESERVE THE CLIMBING FACILITY AND/OR SAFETY CLIMB.
- 2.2 FITS MONOPOLES 15"-50" O.D.
- 3.0 MANUFACTURING/SPECIAL REQUIREMENTS
- 3.1 TIGHTEN ALL BOLTS SECURING FLAT PLATES BY THE TURN-OF-NUT METHOD. TIGHTEN ALL U-BOLTS USING TURN-OF-NUT METHOD WITH ATTENTION TO LEAVE EQUAL DISTANCE AND EQUAL FORCE ON EACH LEG OF THE U-BOLT.
- 4.0 TEST
- 5.0 PACKAGING
- 5.1 PACKAGING SHALL MEET ANDREW REQUIREMENTS PER DOCUMENT IS-PL-3005
- 5.2 PRINTED DOCUMENT TO BE PLACED INSIDE POLYBAG AND THEN IN SHIPPING CONTAINER
- 5.3 EXTRA HARDWARE MAY BE SUPPLIED, BAGGED AND SHIPPED

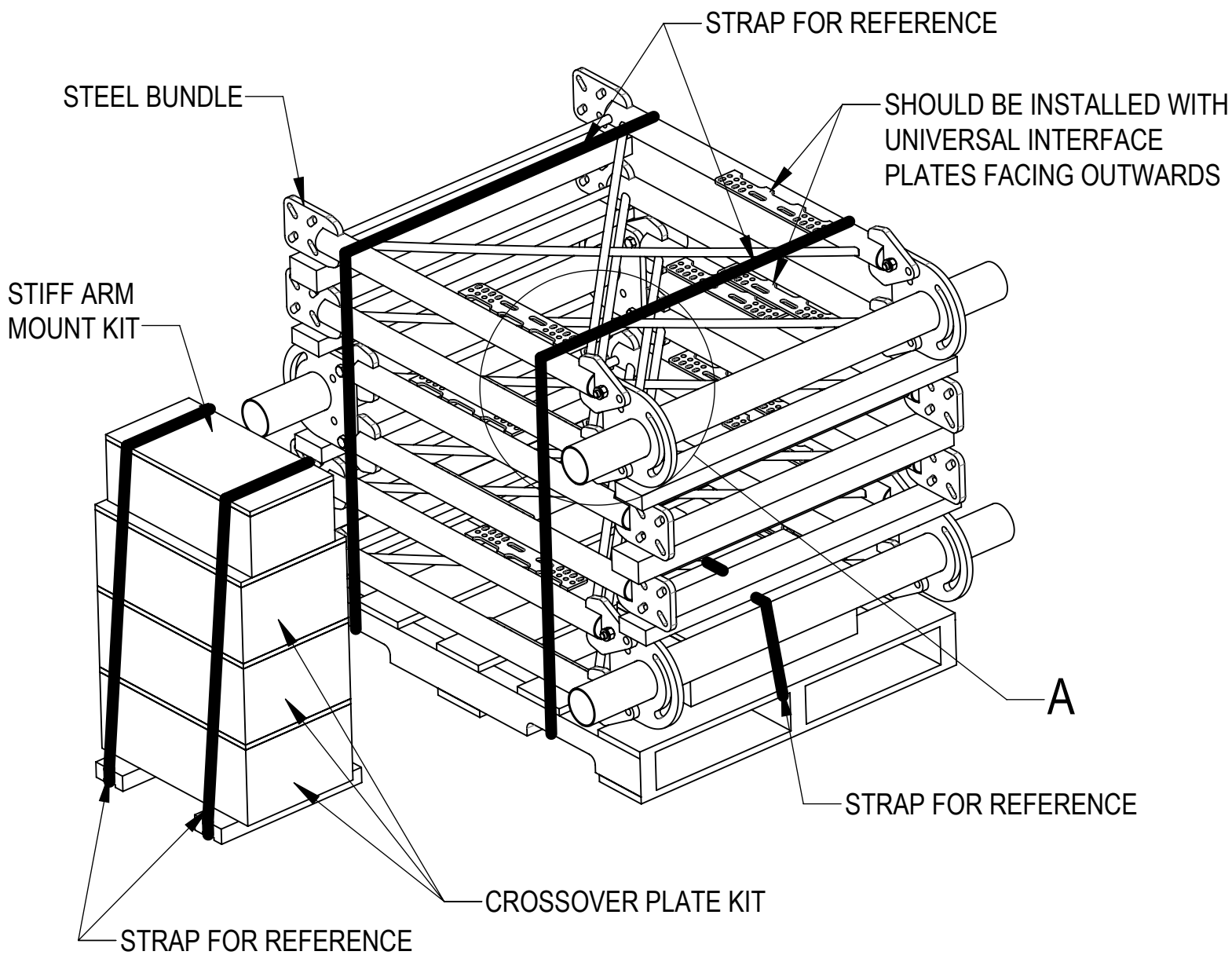
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
G	SHEET 2: ADDED MCG22HDX13-B; MCG22HDX15-B; MCG22HDX13-12-H10; MCG22HDX15-12-H10; MCG22HDX15-15-WLL	JL1183 26FEB24	CB1094 40188553CMO
H	SHEET2: ADDED MCG22HDX-11M-B; MCG22HDX-11-9-120; MCG22HDX-13M-B; MCG22HDX-15M-B. REMOVED MCG22HDX13-B; MCG22HDX15-B	JL1183 07MAY24	CB1094 40194988CMO
J	SFG2292-00 WAS SFG2278; ADDED SHEET 5; CHG STIFF ARM MOUNT KIT AND PIPE BUNDLE FOR MCG22HDX-11-9-120, MCG22HDX-11M-B, MCG22HDX-13M-B & MCG22HDX-15M-B	RY1002 02DEC24	YZ1080 40209667CMO
K	SHEET 4&7: ADDED AZIMUTH ADJUSTMENT RANGE VIEW & NOTE	JL1183 10JAN25	BA1025 40212102CMO
L	SHEET 2: ADDED MCG22HDX-10M-12-96 MID IN THE TABLE 1	NSUN 31MAR25	BA1025 50102222AMO
M	SHEET 2: ADDED MCG22HDX-10M-9-120 MID IN THE TABLE 1	YC1059 10APR25	XK1001 50102271AMO
N	SHEET 2: ADDED MCG22HDX-10M12-126 & MCG22HDX-10M12-120 MIDS IN THE TABLE 1	YX1027 17JUL25	CB1094 50103974AMO



PIPE BUNDLE



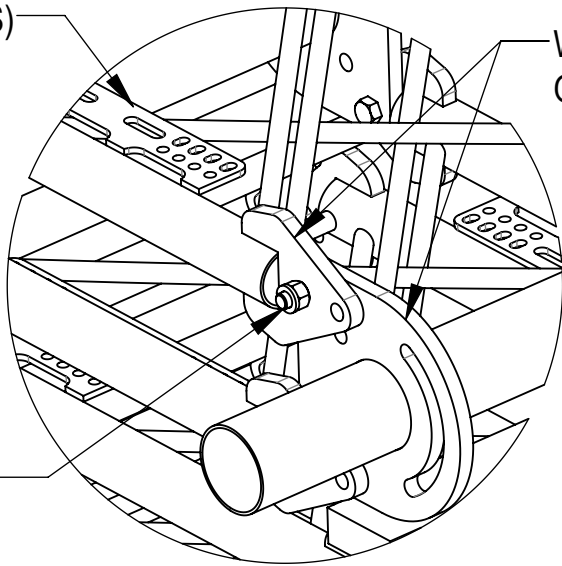
RING MOUNT



UNIVERSAL INTERFACE PLATES AT THIS ORIENTATION (BOTH SIDES)

WITH SFG2292-00 MOUNTED ON TOP OF SFG2270

ALL GB-05225 BOLTS IN THIS ORIENTATION



DETAIL A
SCALE 1 : 7

ANDREW® an Amphenol company																																																			
TOLERANCES						SAP MATERIAL MASTER																																													
1 PLACE .X[X] ± .25[6.3]			3 PLACE .XXX[X] ± .060[1.5]			SEE TABLE 1																																													
2 PLACE .XX[X] ± .12[3.0]			ANGLES ± 2°																																																
FINISH					MATERIAL																																														
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES INTERPRET PER ANSI Y 14.5M-1994 <table><tr><td></td><td>NAME</td><td>DATE</td><td colspan="7" rowspan="4">MCG22HDX SECTOR FRAME SERIES</td></tr><tr><td>CE</td><td>RJC</td><td>03/12/20</td></tr><tr><td>RW</td><td>YX1027</td><td>07/17/2025</td></tr><tr><td></td><td></td><td></td></tr><tr><td>AD</td><td>CB1094</td><td>07/22/2025</td><td colspan="2" rowspan="2">SCALE 1:16</td><td colspan="5" rowspan="2">DOCUMENT NO. MCG22HDX</td></tr><tr><td>RE</td><td>YMENG</td><td>07/22/2025</td></tr><tr><td colspan="3">ECN 50103974AMO</td><td colspan="7"></td></tr></table>											NAME	DATE	MCG22HDX SECTOR FRAME SERIES							CE	RJC	03/12/20	RW	YX1027	07/17/2025				AD	CB1094	07/22/2025	SCALE 1:16		DOCUMENT NO. MCG22HDX					RE	YMENG	07/22/2025	ECN 50103974AMO									
											NAME	DATE								MCG22HDX SECTOR FRAME SERIES																															
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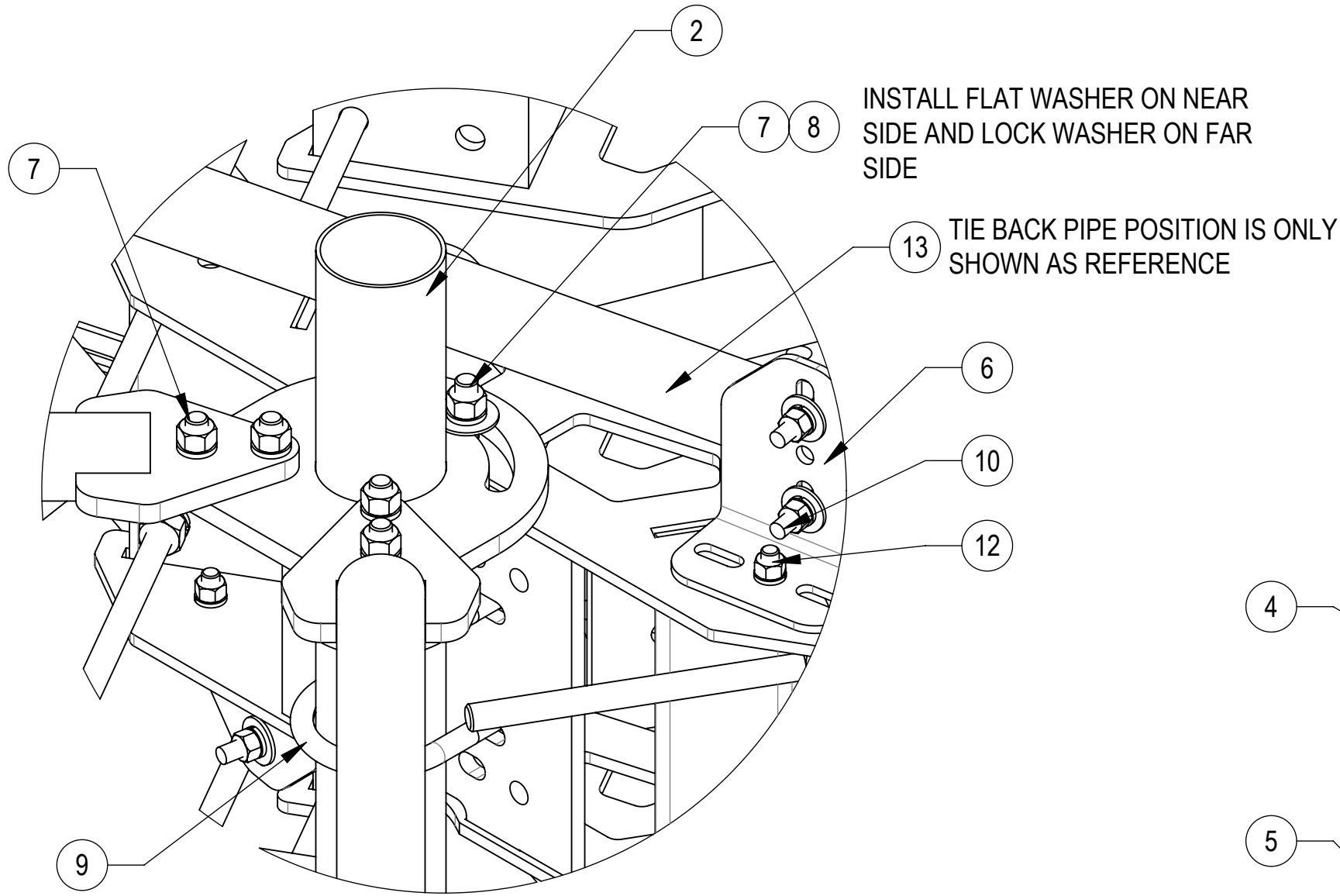
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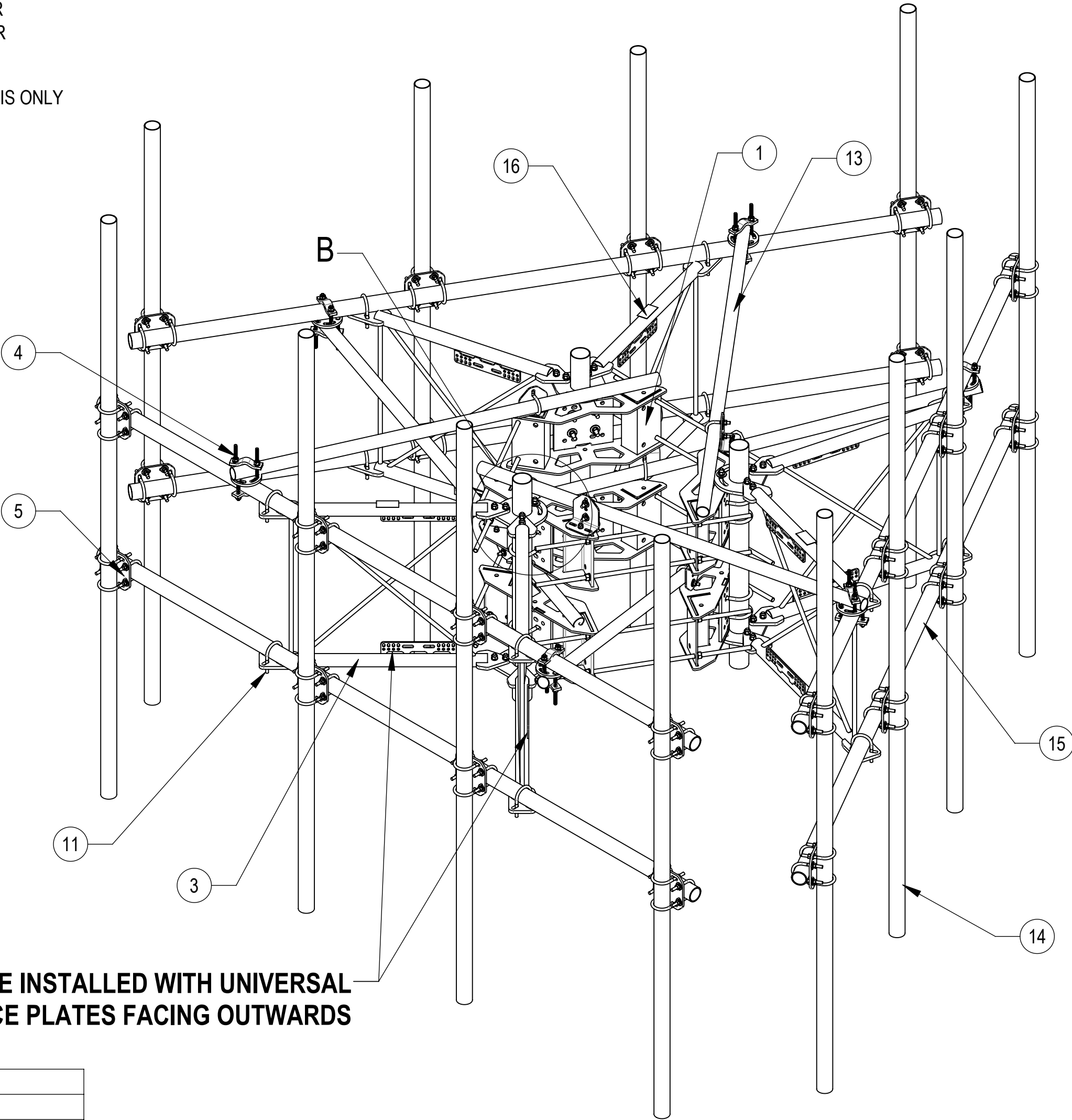
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DETAIL B
SCALE 1 : 4

**MCG22HDX-12M12-126 SHOWN FOR REFERENCE
(NOT ALL CONFIGURATIONS INCLUDE ALL ITEMS SEE NOTES IN TABLE)**



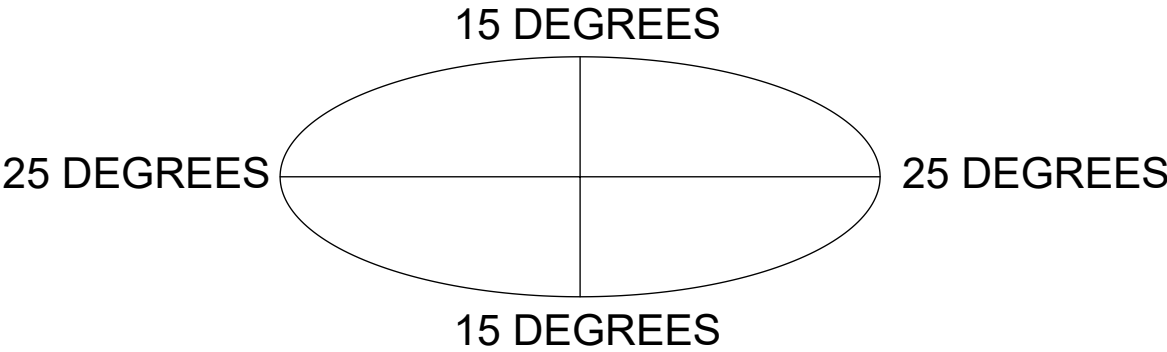
TOP
BOTTOM

**SHOULD BE INSTALLED WITH UNIVERSAL
INTERFACE PLATES FACING OUTWARDS**

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	SFG2270	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	24	12.61 LBS	PART NO. AND QTY SEE INDIVIDUAL DRAWING
6	XAU01	ANGLE, CROSSOVER, 1.9-3.5" X 1.9-3.5" OD	6	2.98 LBS	
7	GB-05225	5/8" X 2-1/4" GALV BOLT KIT	30	0.28 LBS	
8	GWF-05	5/8" GALV FLAT WASHER, 1.7OD	6	0.06 LBS	
9	GUB-53560	5/8" X 3-5/8" X 6" GALV U-BOLT	12	1.30 LBS	
10	GUB-4240	1/2" X 2-1/2" X 4" GALV U-BOLT	6	0.56 LBS	PART NO. AND QTY SEE INDIVIDUAL DRAWING
11	GUB-4352	1/2" X 3" X 5-1/4" GALV U-BOLT	12	0.71 LBS	QTY SEE INDIVIDUAL DRAWING
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	PART NO. AND QTY SEE INDIVIDUAL DRAWING
14	MT546126120	PIPE, 2.875"OD X 126"	12	37.21 LBS	PART NO. AND QTY SEE INDIVIDUAL DRAWING
15	MT-546-150	PIPE, 2.875"OD X 150"	6	72.67 LBS	PART NO. AND QTY SEE INDIVIDUAL DRAWING
16	SFG2255	LABEL, SFG21HDX	3	0.04 LBS	

ALLOWABLE TIEBACK ANGLE
±15 DEGREES VERTICAL
±25 DEGREES HORIZONTAL



TITLE
MCG22HDX SECTOR FRAME SERIES

SIZE **C** SCALE **1:18** DOCUMENT NO. **MCG22HDX**



DRAWING			SHEET 3 OF 9
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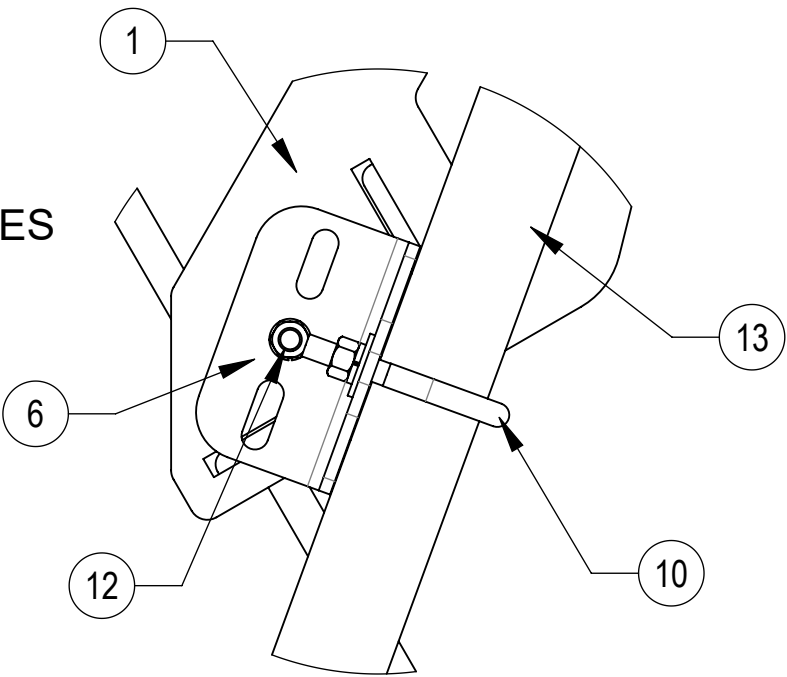
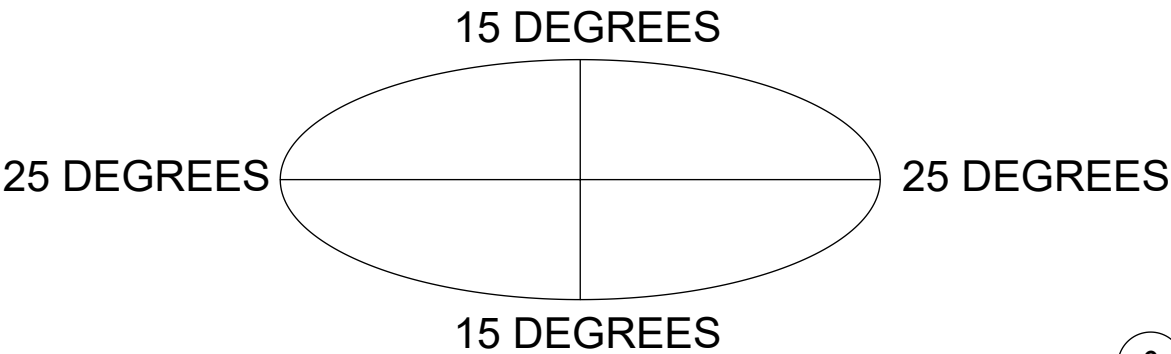
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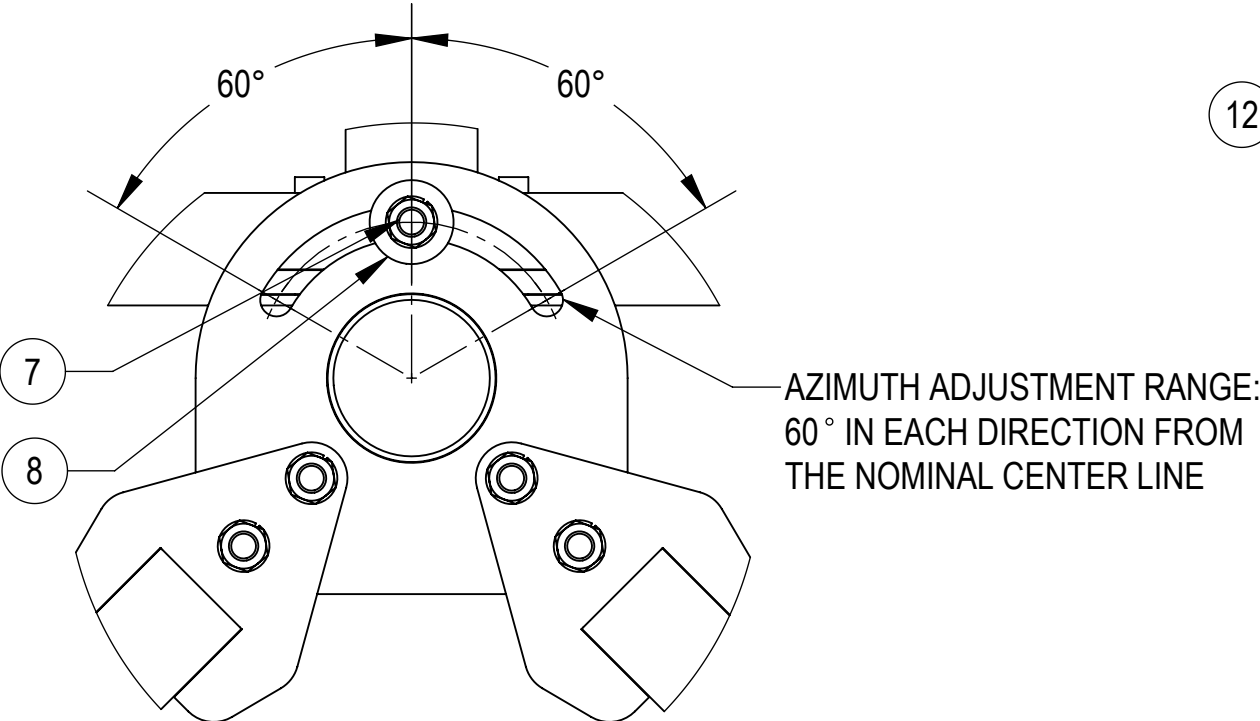
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ALLOWABLE TIEBACK ANGLE

+15 DEGREES VERTICAL
±25 DEGREES HORIZONTAL

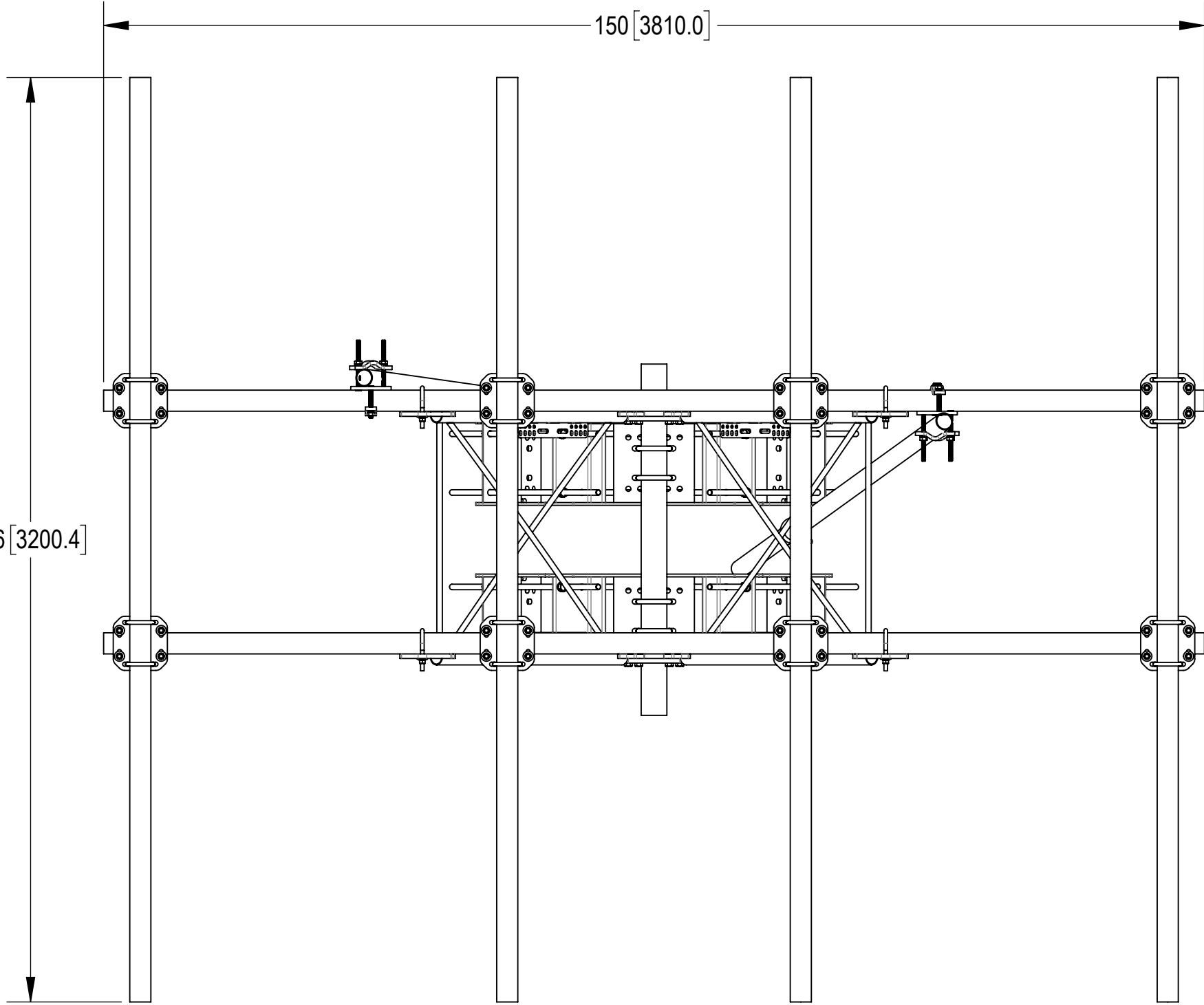
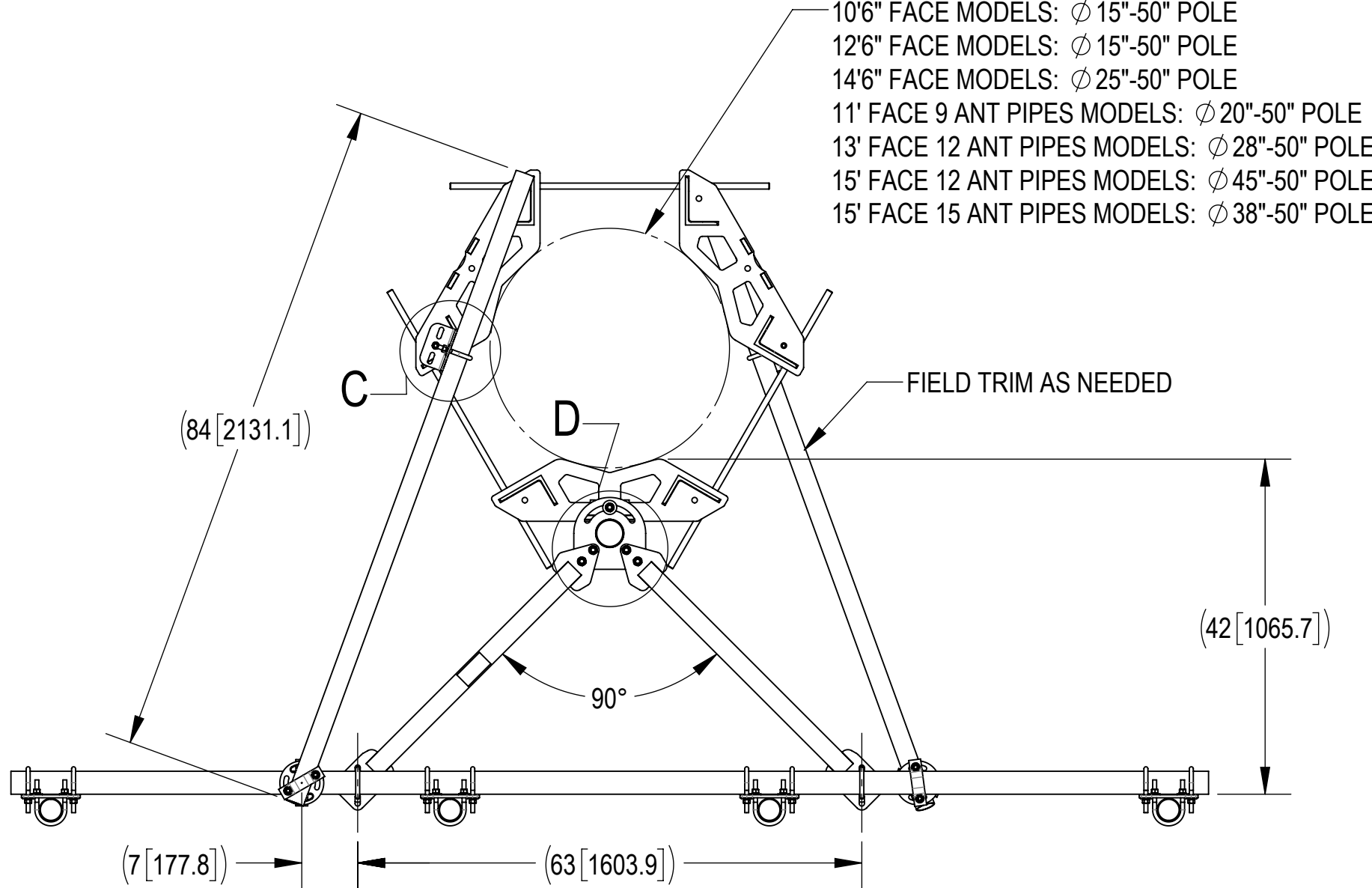


DETAIL C
SCALE 1 : 4

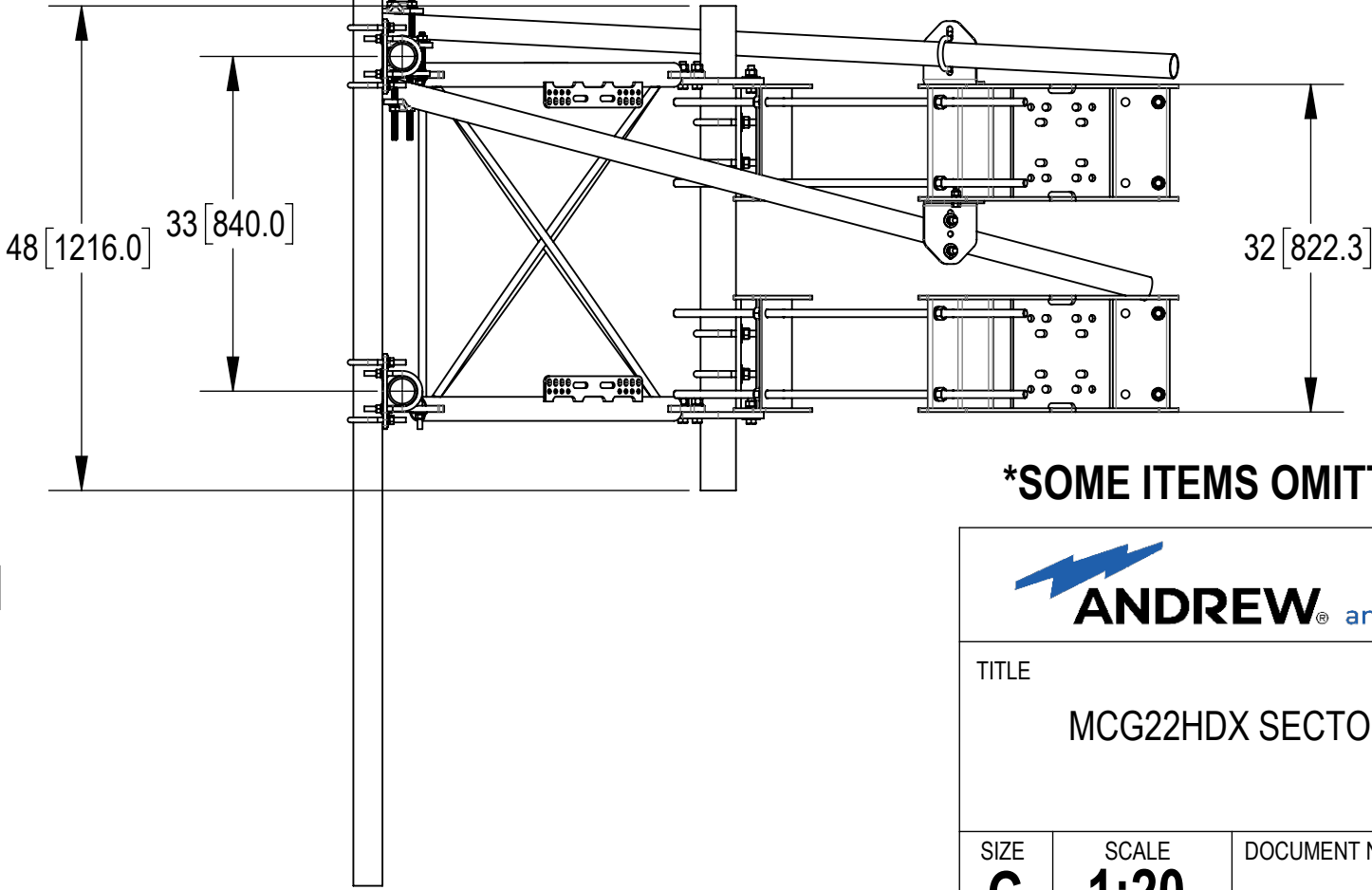


DETAIL D
SCALE 1 : 4

MCG22HDX-12M12-126 SHOWN FOR REFERENCE
(NOT ALL CONFIGURATIONS INCLUDE ALL
ITEMS SEE NOTES IN TABLE ON PAGE 3)



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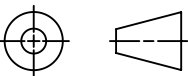
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SOME ITEMS OMITTED FOR CLARITY

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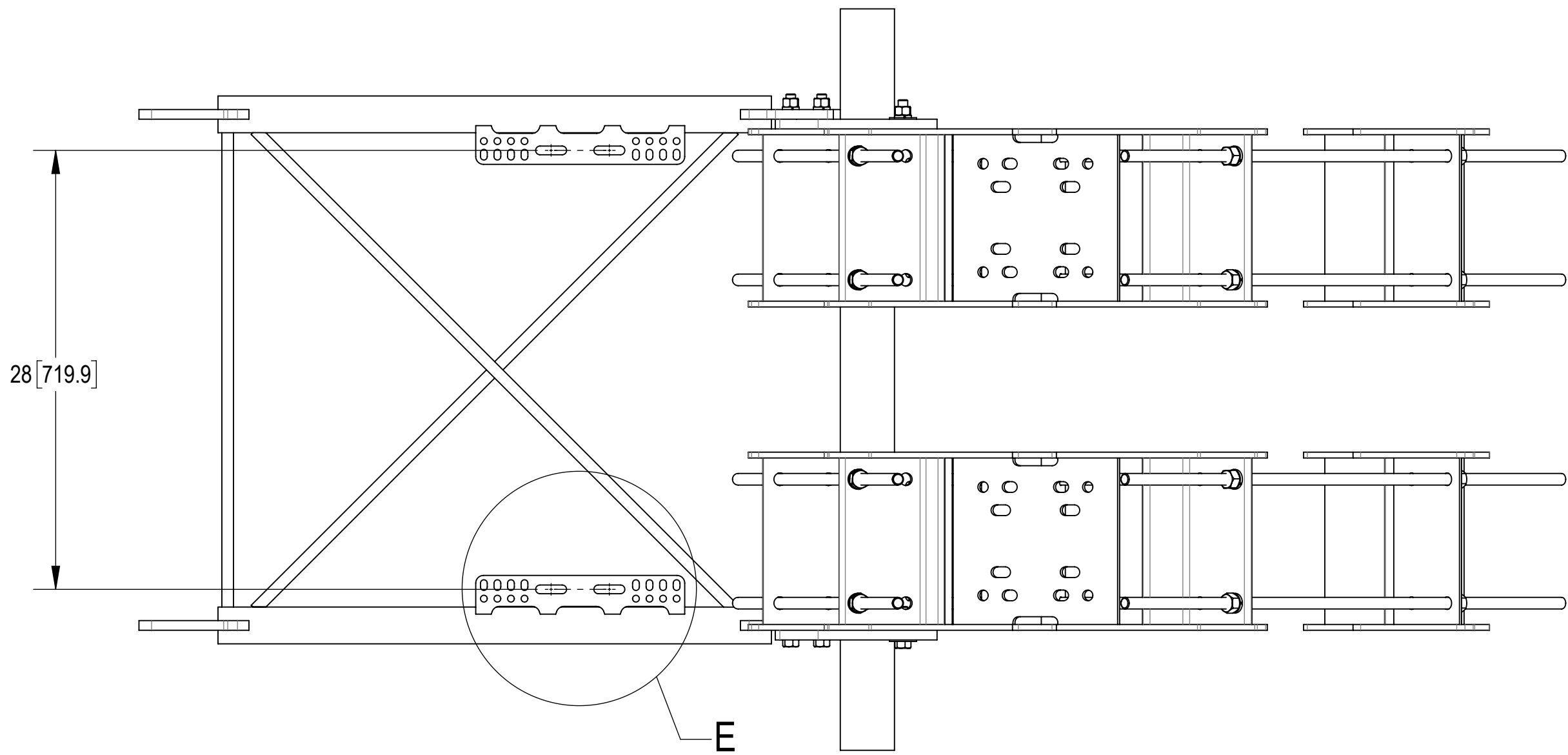
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MCG22HDX SECTOR FRAME SERIES

SIZE **C** SCALE **1:20** DOCUMENT NO. **MCG22HDX**

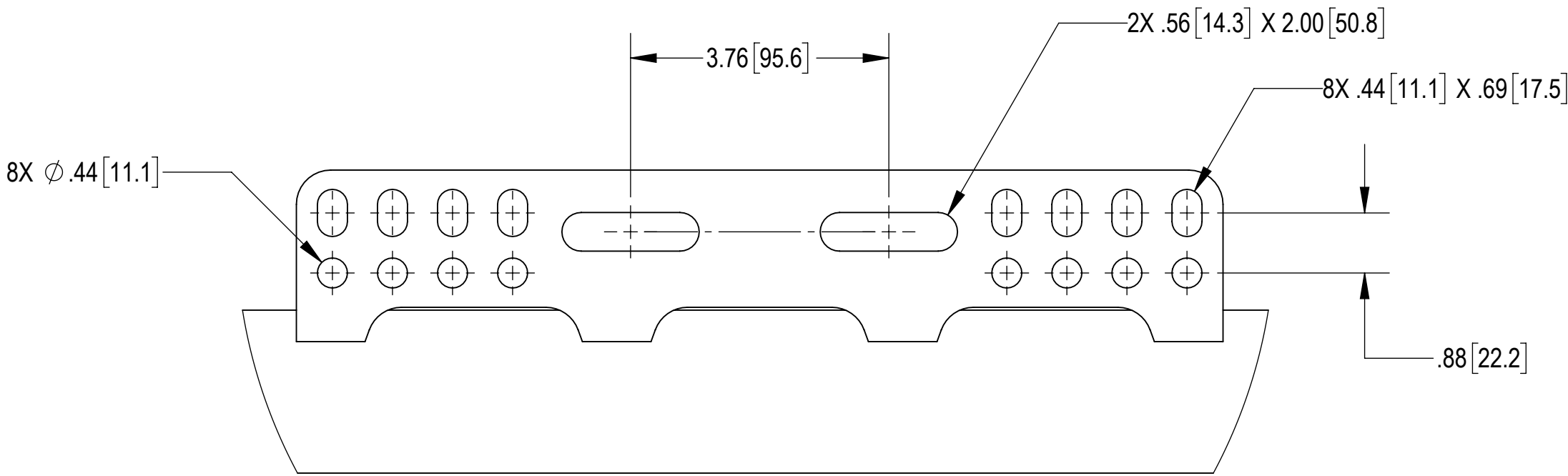


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VERSION	STATUS	REVISION	
15	RE	N	4 OF 9

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SIDE VIEW



DETAIL E
SCALE 1 : 2



TITLE
MCG22HDX SECTOR FRAME SERIES

SIZE **C** SCALE **1:10** DOCUMENT NO. **MCG22HDX**

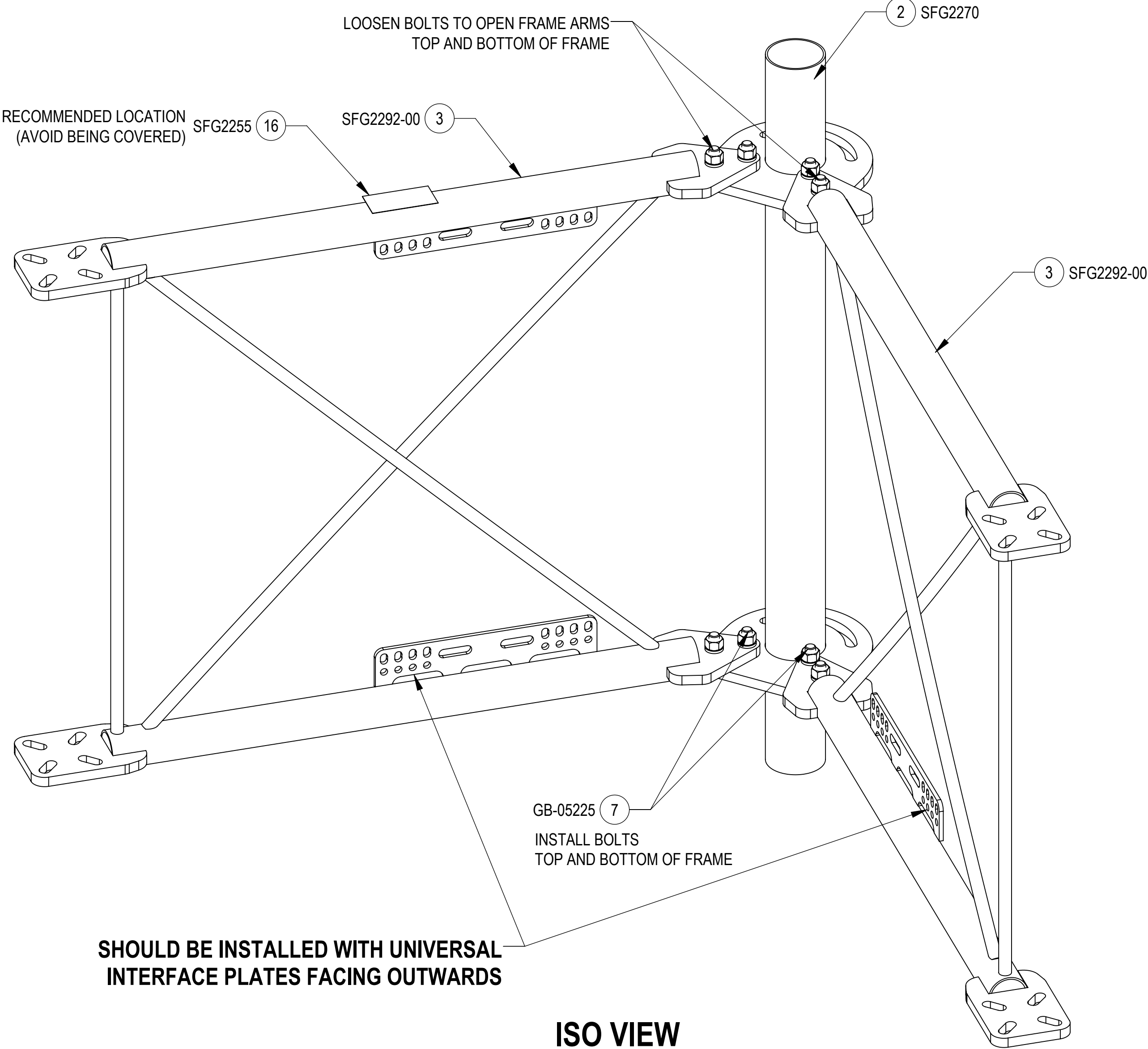


DRAWING
VERSION STATUS REVISION
15 RE **N**

SHEET
5 OF 9

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INSTALLATION SEQUENCE - REFERENCE ONLY
STEP 1: LOOSEN BOLT KITS (GB-05225) TO OPEN FRAME SUPPORT ARMS. INSTALL ADDITIONAL 4X BOLT KITS (GB-05225).
ATTACH LABEL (SFG2255) ON TOP OF V-ARM (SFG2292-00). (WIPE GALVANIZED SURFACE WITH ALCOHOL CLEANER
BEFORE APPLYING LABEL)

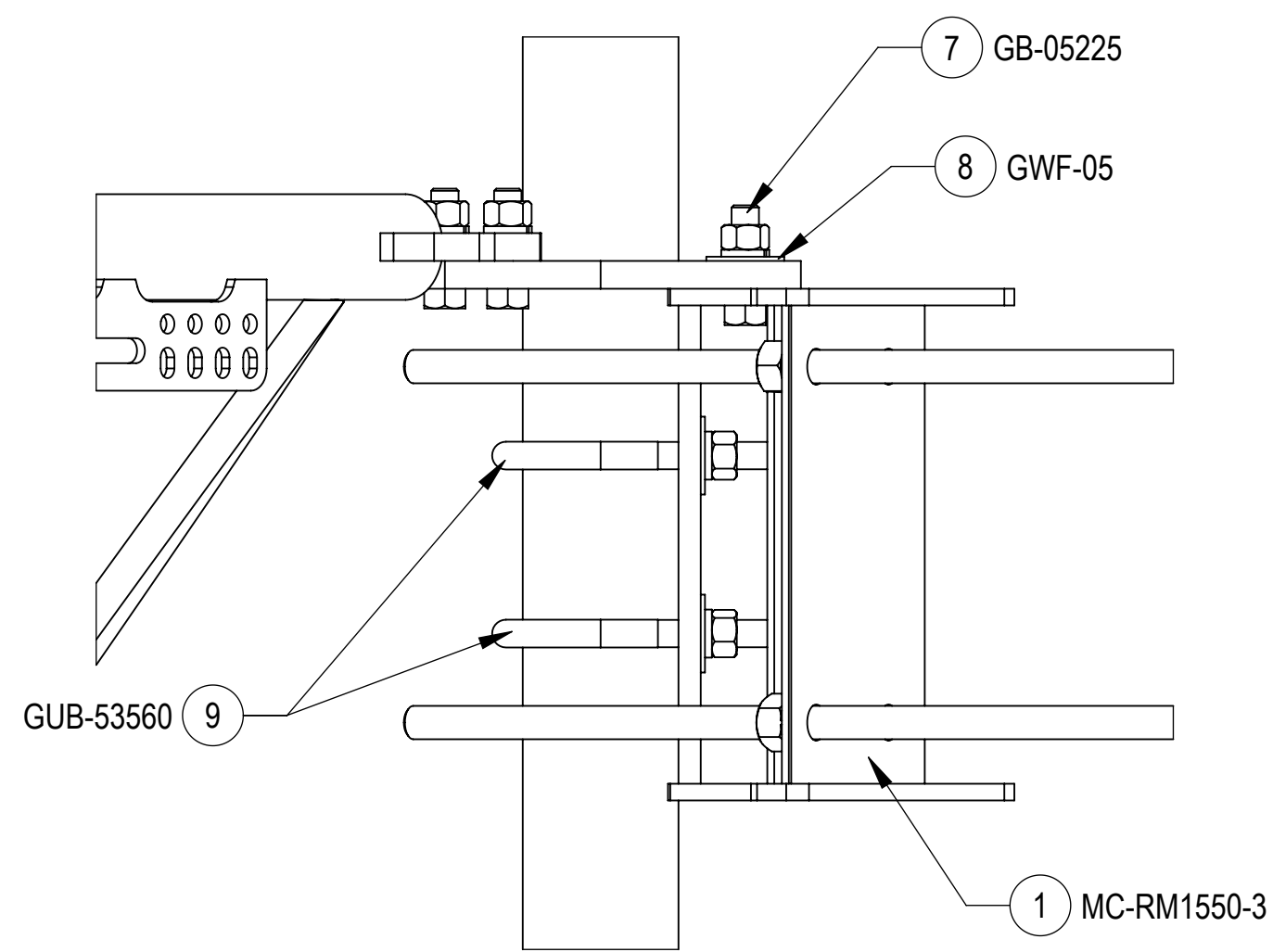
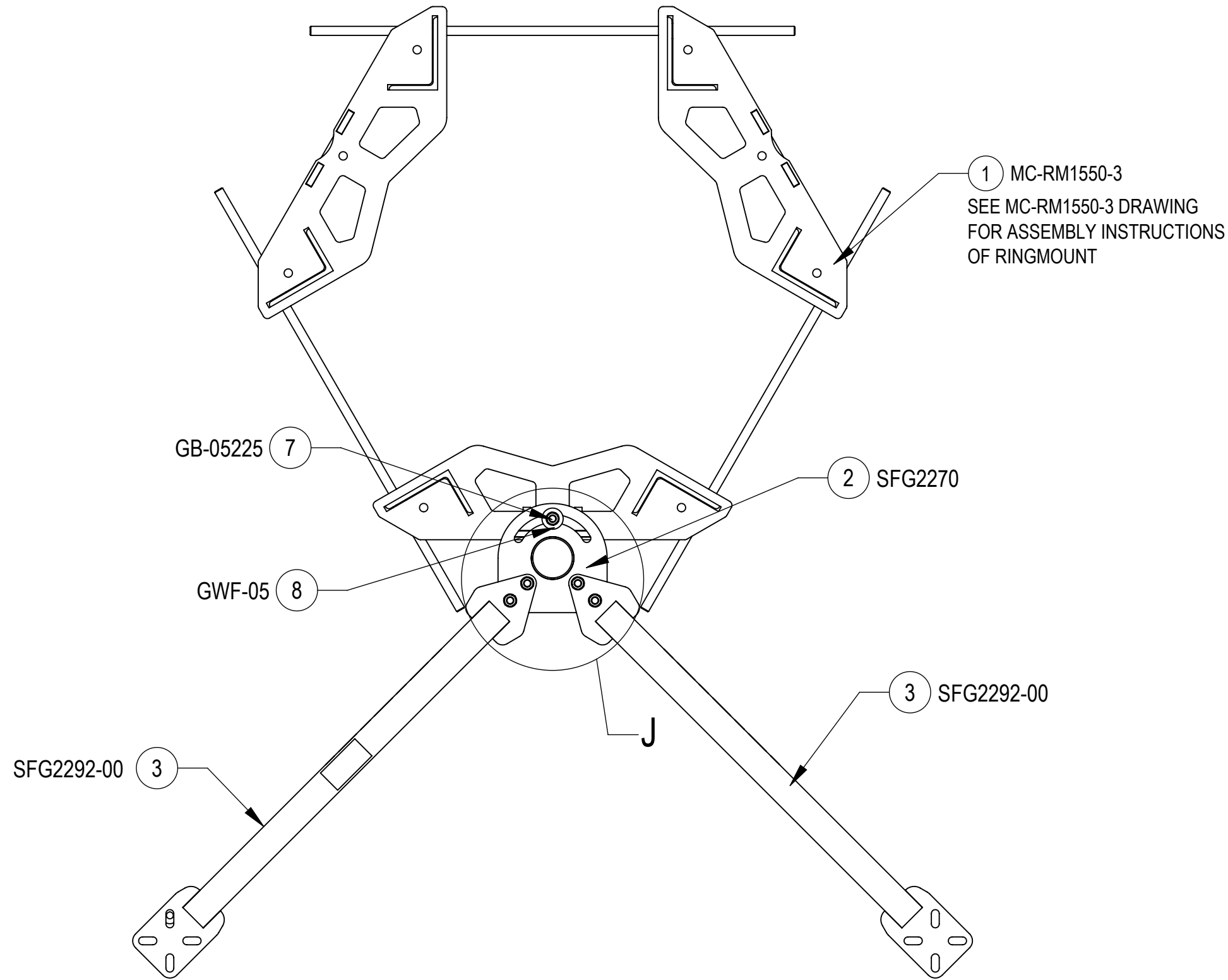


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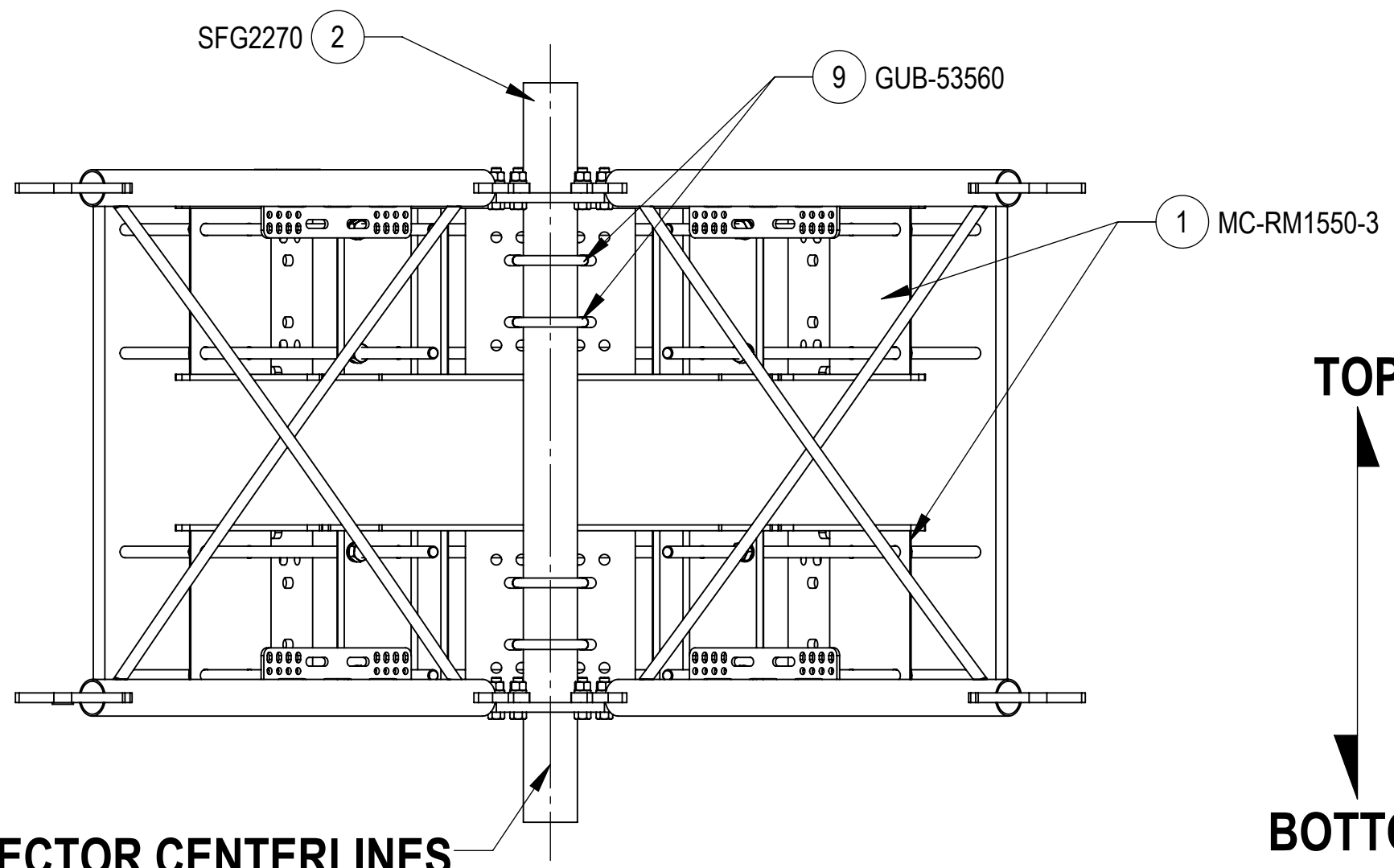
 ANDREW [®] <i>an Amphenol company</i>				
TITLE MCG22HDX SECTOR FRAME SERIES				
SIZE C	SCALE 1:32	DOCUMENT NO. MCG22HDX		
 		DRAWING		SHEET 6 OF 9
		VERSION	STATUS	
		15	RE	N

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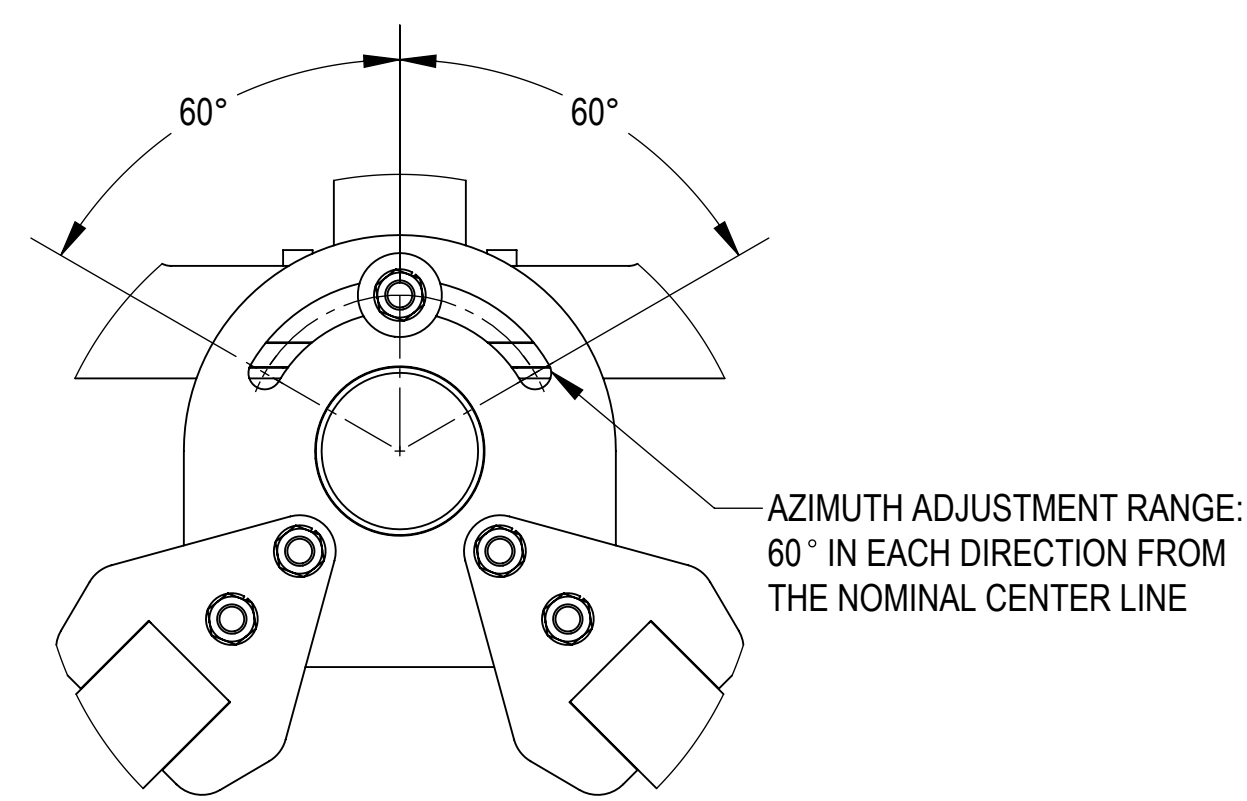
STEP 2: ATTACH BACK VERTICAL ARM MOUNT (SFG2270) TO RINGMOUNT (MC-RM1550-3) USING BOLT KITS (GB-05225), FLAT WASHERS (GWF-05) AND U-BOLTS (GUB-53560).



SIDE CROP VIEW

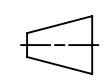


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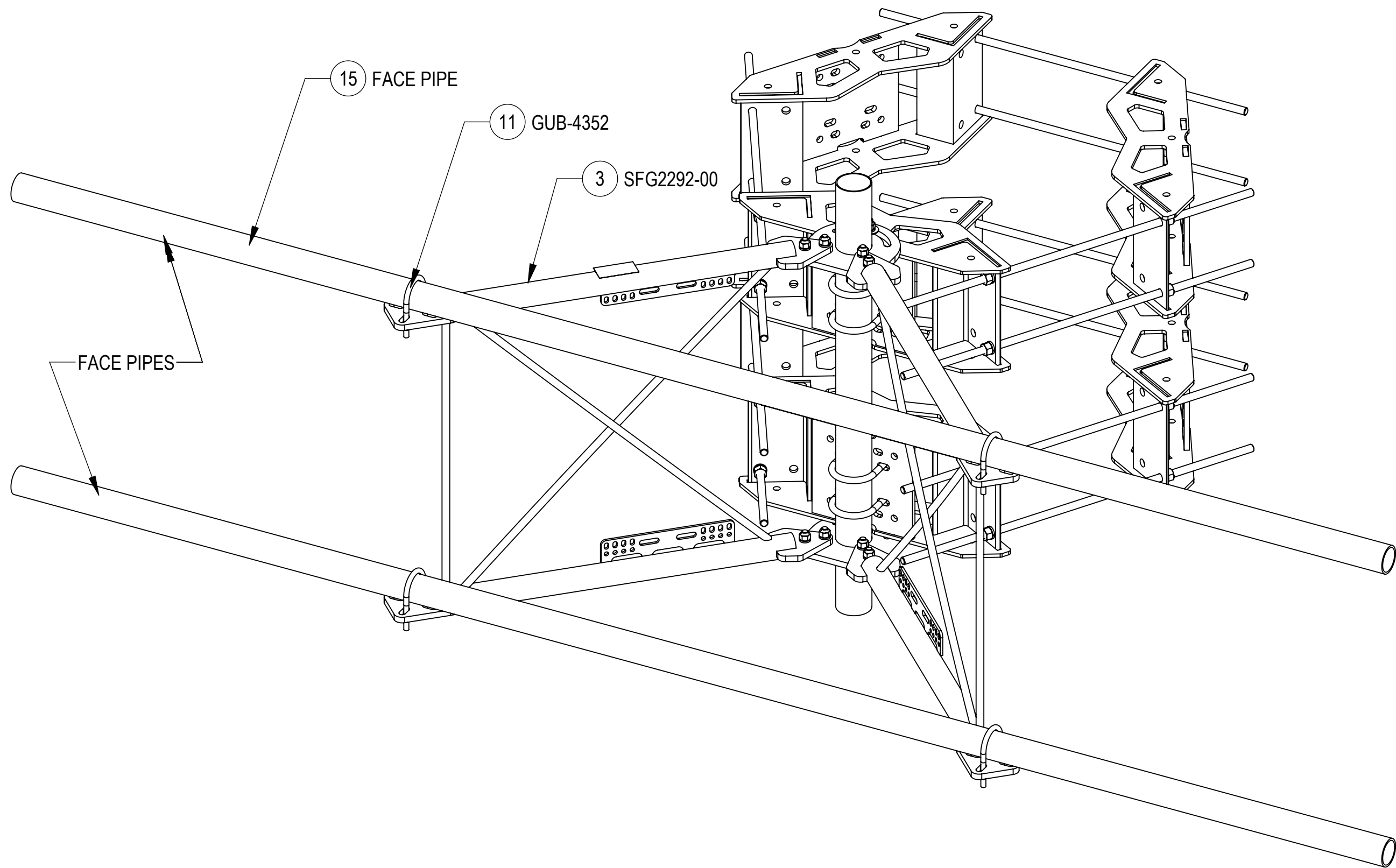
DETAIL J
SCALE 1 : 4

RINGMOUNT SECTOR CENTERLINES
MUST VERTICALLY ALIGN TO ALLOW
SECTOR FRAME SPINE PROPER MOUNTING

				
TITLE				
MCG22HDX SECTOR FRAME SERIES				
SIZE	SCALE	DOCUMENT NO.		
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				7 OF 9

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STEP 3: ATTACH FACE PIPES TO V-ARM (SFG2292-00) USING U-BOLTS (GUB-4352)



TOP

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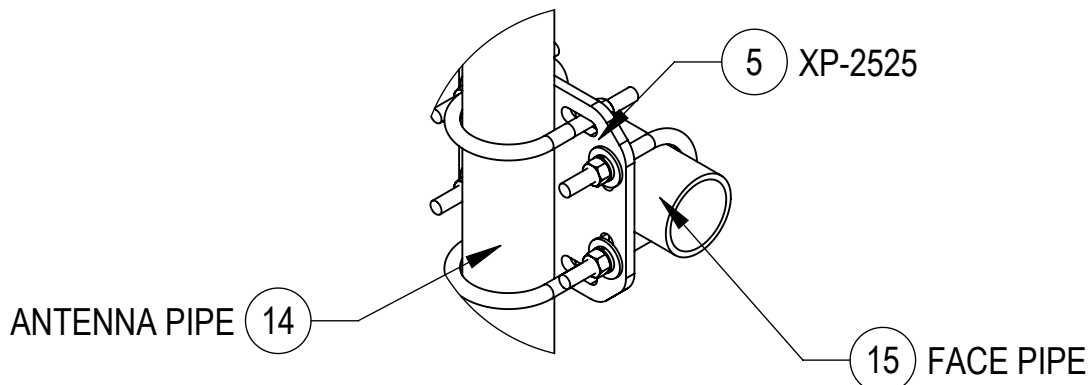
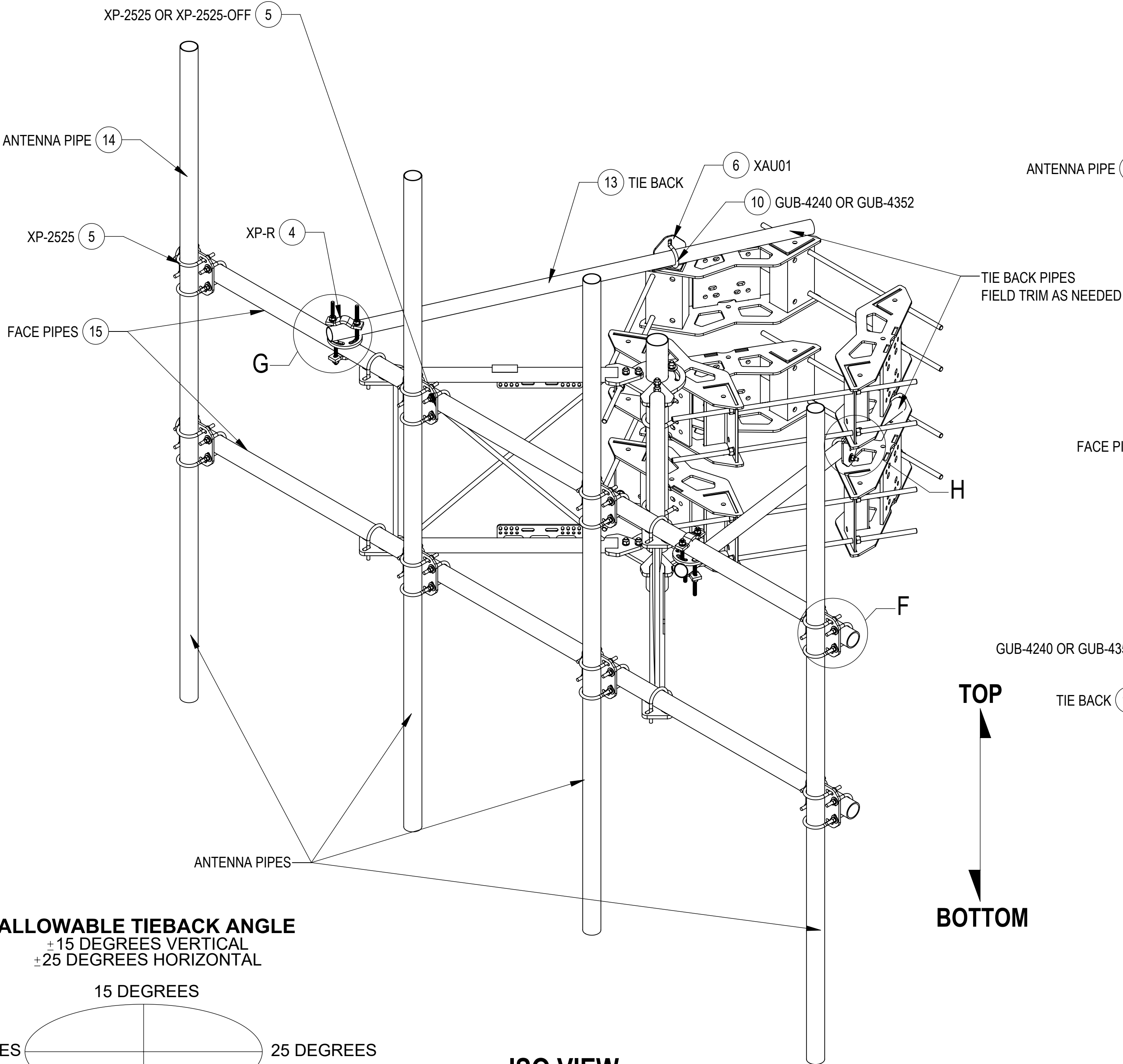
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SOME ITEMS OMITTED FOR CLARITY

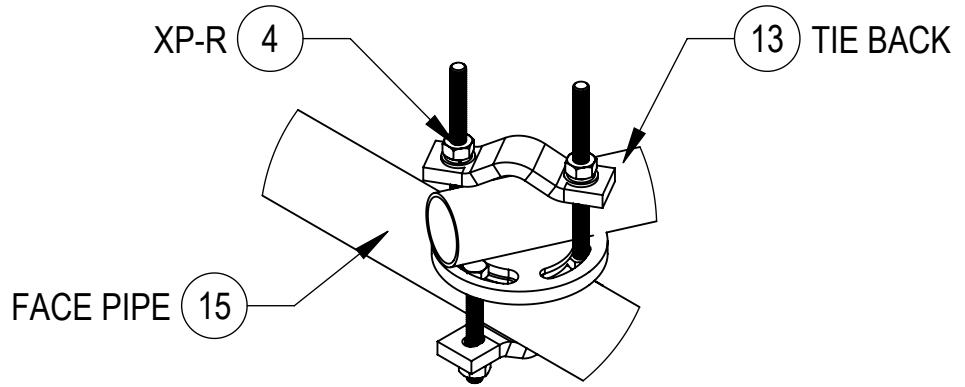
				
TITLE MCG22HDX SECTOR FRAME SERIES				
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				SHEET 8 OF 9

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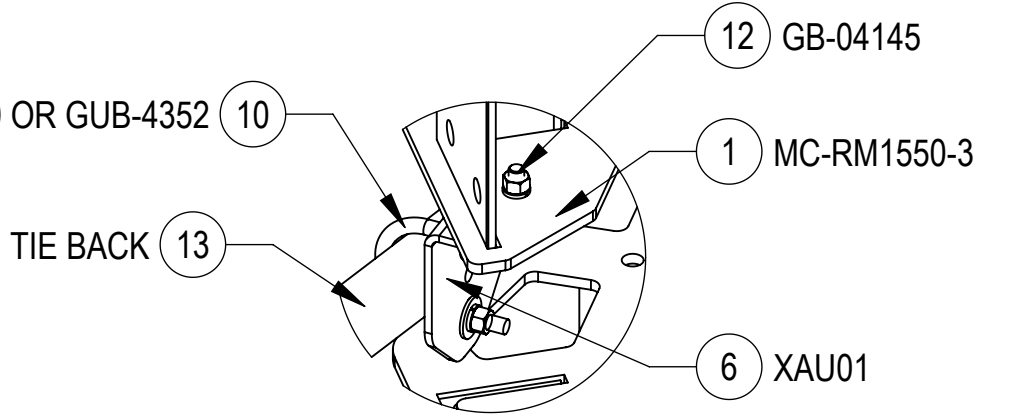
STEP 4: ATTACH ANTENNA PIPES TO FACE PIPES USING CROSSOVER PLATE KITS(XP-2525 OR XP-2525-OFF).
ATTACH TIE BACK PIPES TO FACE PIPES USING ROUND CROSSOVER PLATE KITS (XP-R).



DETAIL F
SCALE 1 : 6

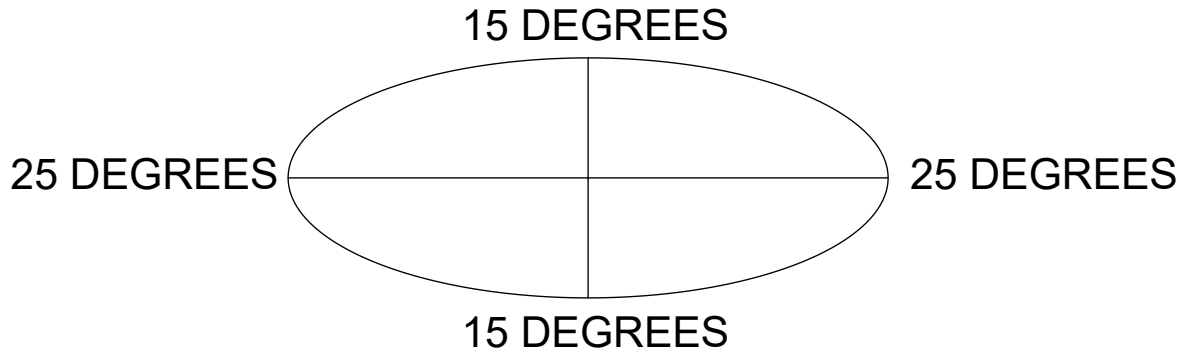


DETAIL G
SCALE 1 : 6



DETAIL H
SCALE 1 : 6

ALLOWABLE TIEBACK ANGLE
±15 DEGREES VERTICAL
±25 DEGREES HORIZONTAL



ISO VIEW

SOME ITEMS OMITTED FOR CLARITY

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TITLE
MCG22HDX SECTOR FRAME SERIES

SIZE **C** SCALE **1:10** DOCUMENT NO. **MCG22HDX**



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