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5.3 EXTRA HARDWARE MAY BE SUPPLIED, BAGGED AND SHIPPED.

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MTC3975083-PK01

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PART NUMBERS, WEIGHTS, & EPA

TABLE 1: CONFIGURATIONS

PART NUMBER	DESCRIPTION	WEIGHT (LBS)	MOUNT EPA W/NO ICE (FT²)			MOUNT EPA W/ 1/2" ICE (FT²)			ANTENNA PIPES	INCLUDED PARTS		
			FRONT (EPA)N	SIDE (EPA)T	3-SECTORS (EPA)A	FRONT (EPA)N	SIDE (EPA)T	3-SECTORS (EPA)A		MTC3975083-PK01	PB01TEA0308B0208K	SFG2150
MTC3975083	SECTOR FRAME, TW, SFG21, 8FT, 3 ANT PIPE	424.8	5.69	3.36	10.85	8.63	6.17	17.76	3	1	1	1

- NOTES:
- 1. NO MOUNT PIPES CONSIDERED. IF DESIRED, ADD ANTENNA PIPE PER TABLE 2
 - 2. MOUNT CONNECTION MEMBERS TO TOWER CONSIDERED.
 - 3. 3-SECTOR EPA INCLUDES KA FACTORS.

TABLE 2: EPA OF EACH ANTENNA PIPE

ANTENNA PIPE	MOUNT EPA W/NO ICE (FT²)			MOUNT EPA W/ 1/2" ICE (FT²)		
	FRONT (EPA)N	SIDE (EPA)T	3-SECTORS (EPA)A	FRONT (EPA)N	SIDE (EPA)T	3-SECTORS (EPA)A
2-7/8" X 96"	2.07	2.07	1.84	2.79	2.79	2.48

- NOTE:
- 1. ANTENNA PIPES ARE CONSIDERED SEPARATELY.
 - 2. KA FACTOR OF 3-SECTOR EPA INCLUDED.
 - 3. 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: MTC3975083 HAS A FRONT EPA OF 5.69 FT² WITH NO ICE PLUS 3 ANTENNA PIPES WITH A FRONT EPA OF 3X2.07=6.21 FT² WITH NO ICE.
SO, THE TOTAL FRONT EPA SHOULD BE 11.90 FT²; (SIDE EPA SAME METHOD AS FRONT EPA).
WHEN 3 SECTOR FRAMES ARE MOUNTED AT THE SAME RELATIVE ELEVATION IN AN ARRANGEMENT, IT HAS A 3-SECTOR EPA OF 10.85 FT² WITH NO ICE PLUS 3 ANTENNA PIPES WITH A 3-SECTOR EPA OF (3X1.84)X3=16.56 FT² WITH NO ICE. SO, THE TOTAL 3-SECTOR EPA SHOULD BE 27.41 FT².

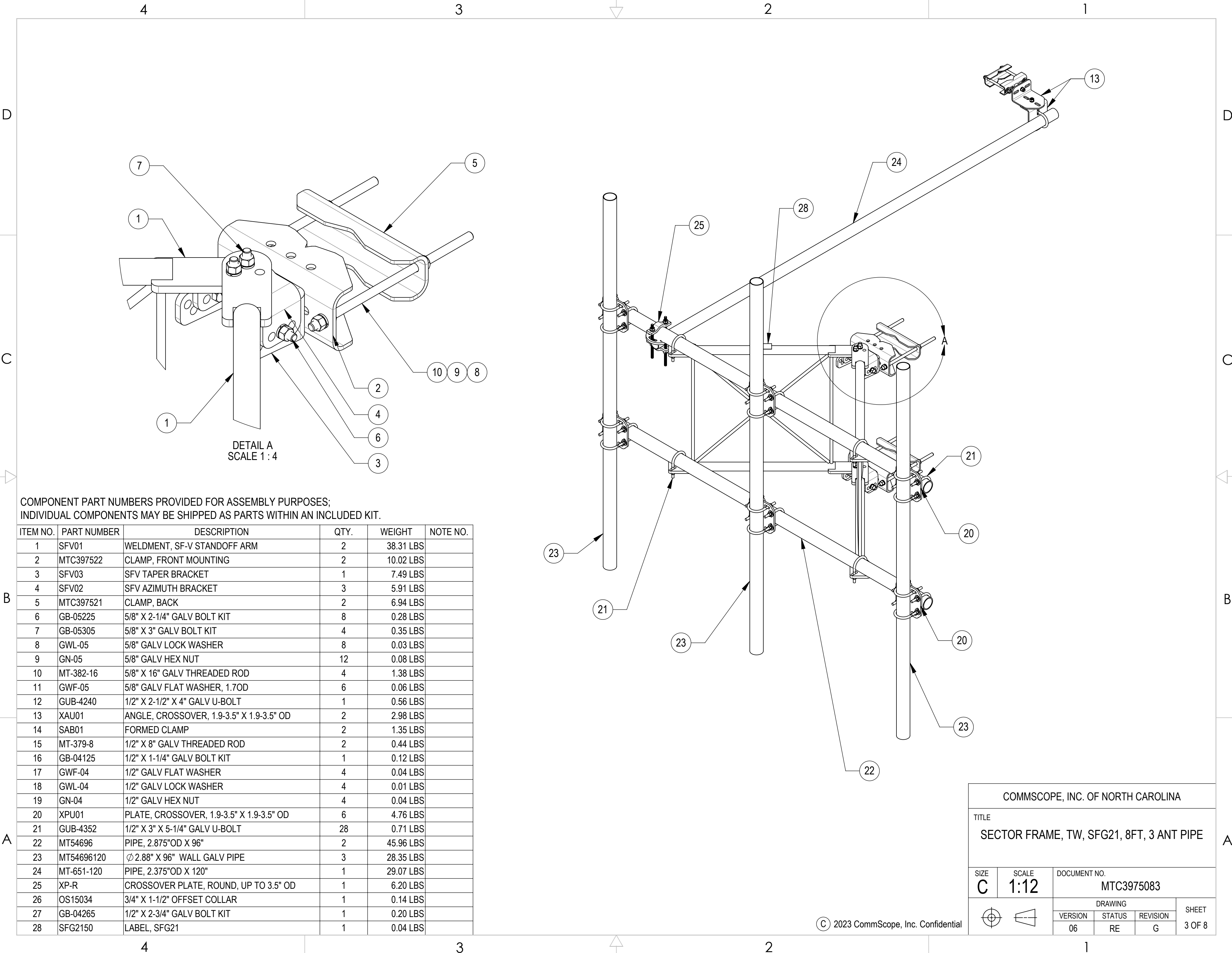
COMMSCOPE, INC. OF NORTH CAROLINA

TITLE
SECTOR FRAME, TW, SFG21, 8FT, 3 ANT PIPE

SIZE C	SCALE 1:30	DOCUMENT NO. MTC3975083
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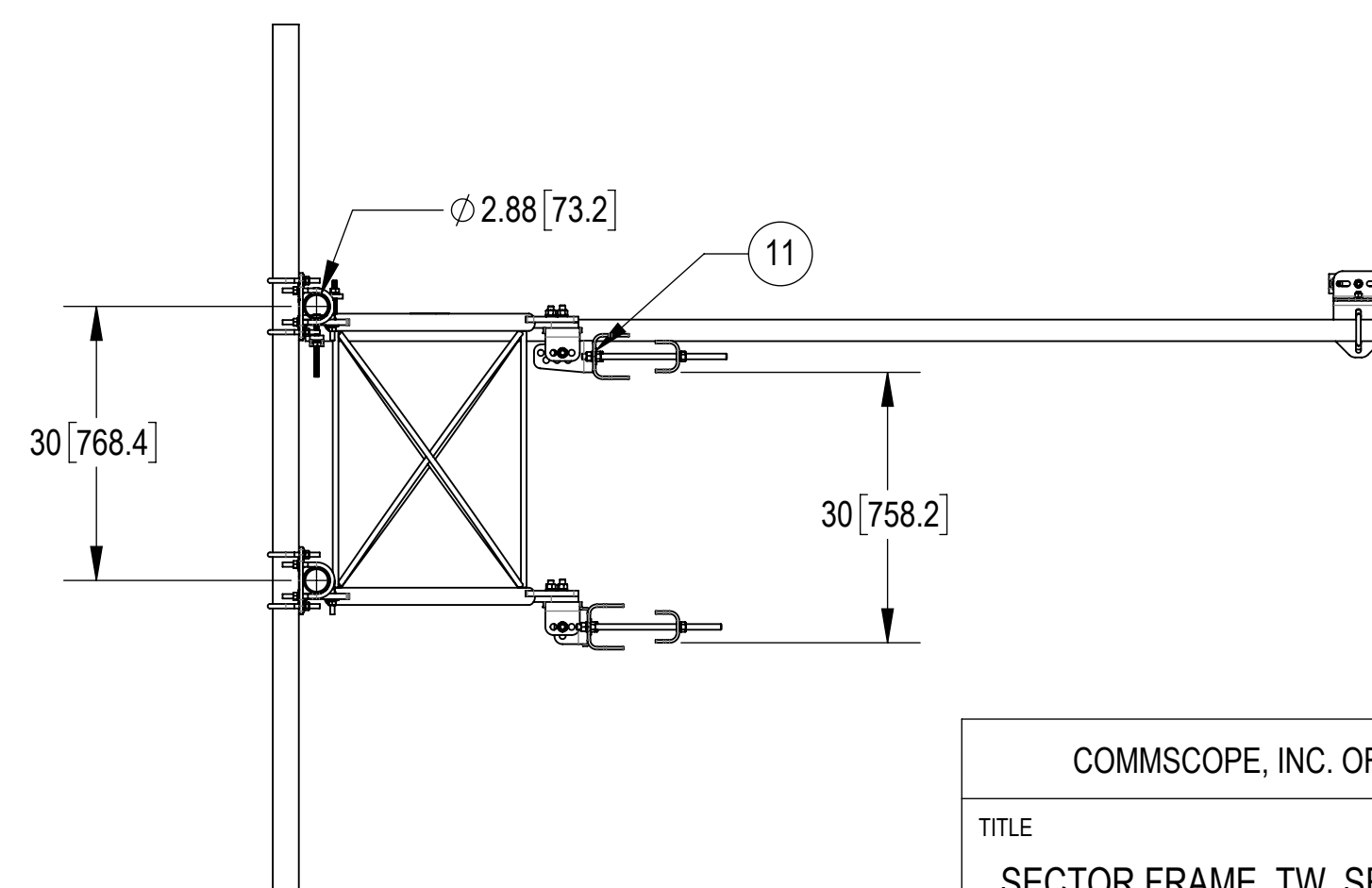
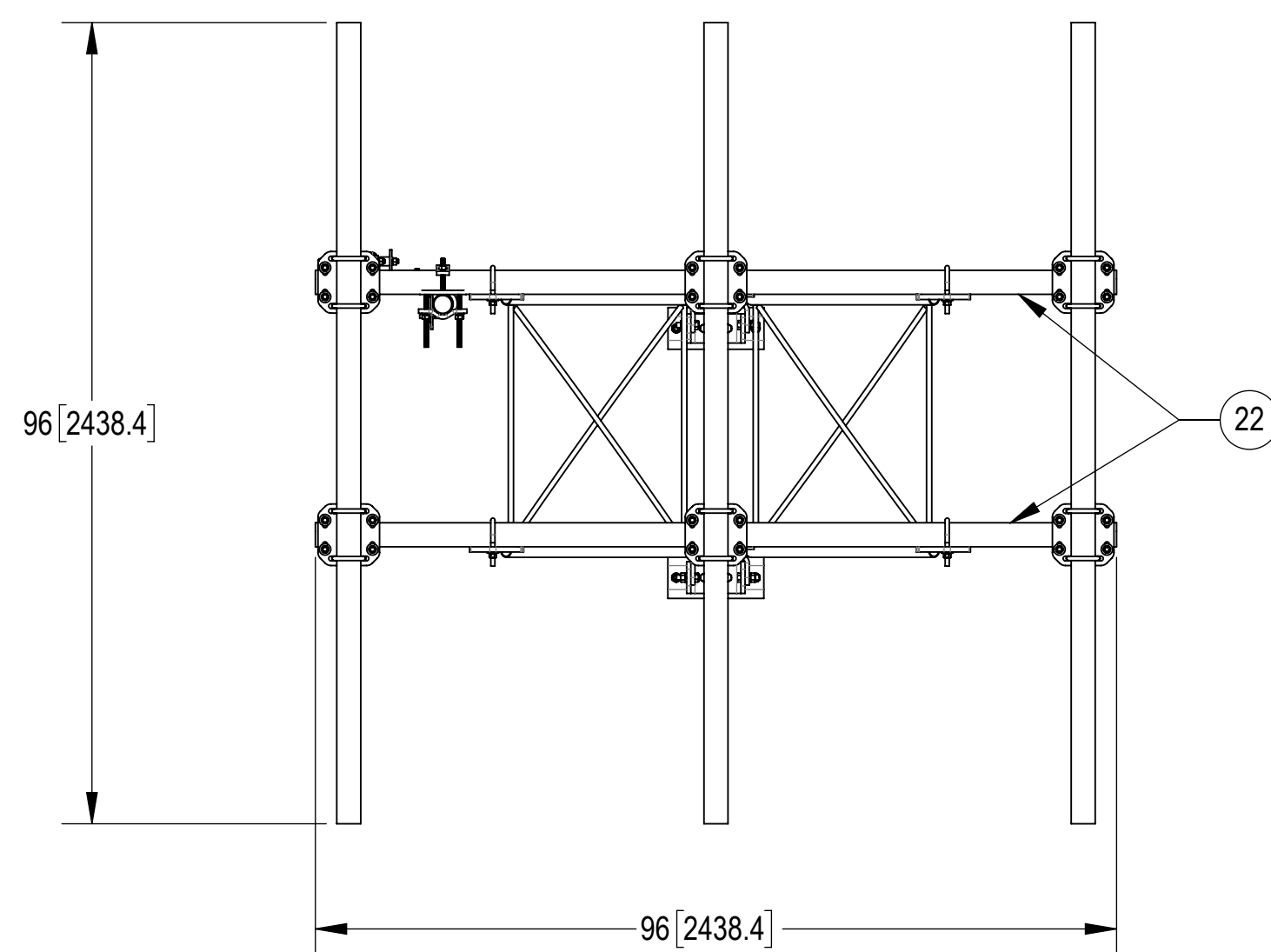
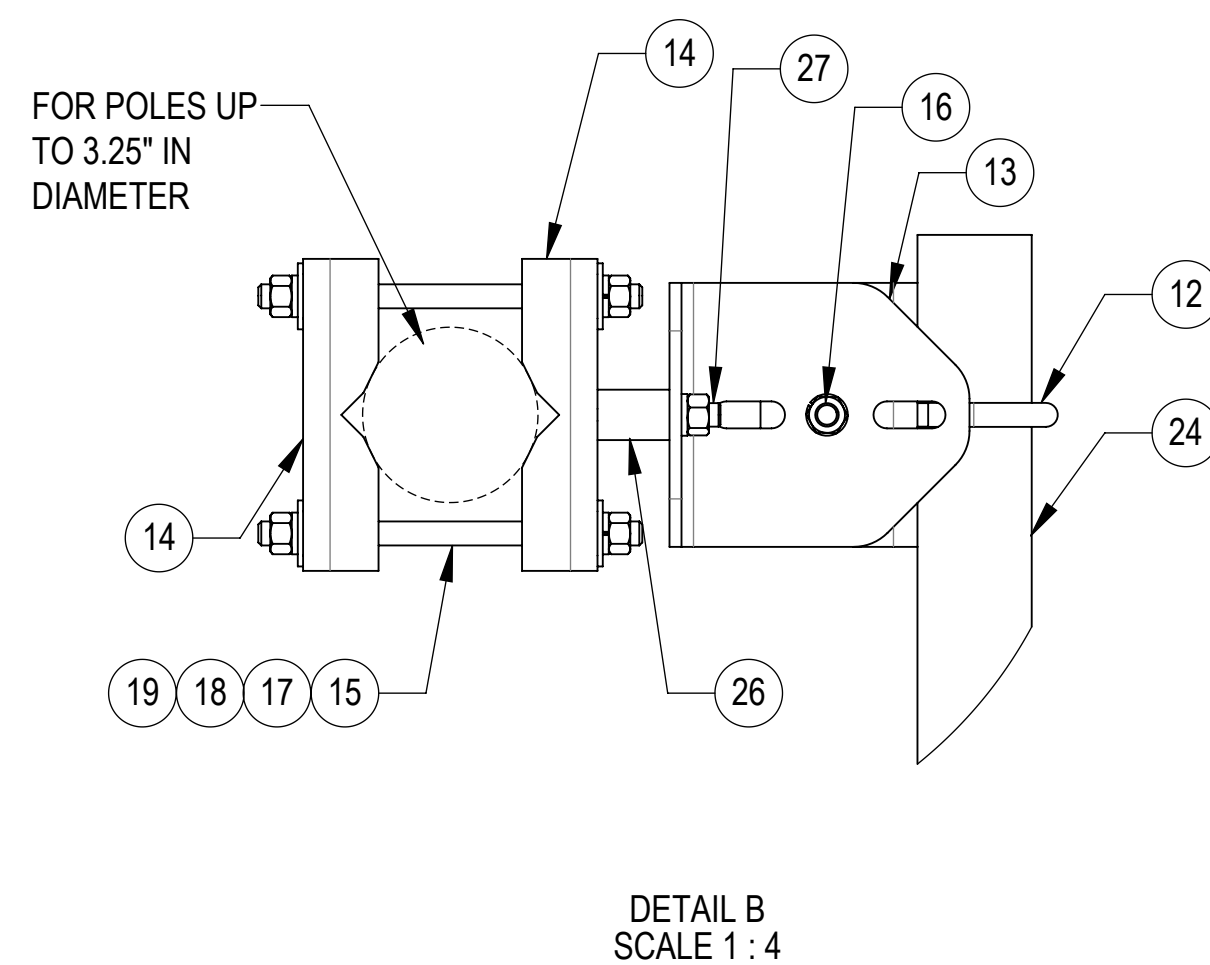
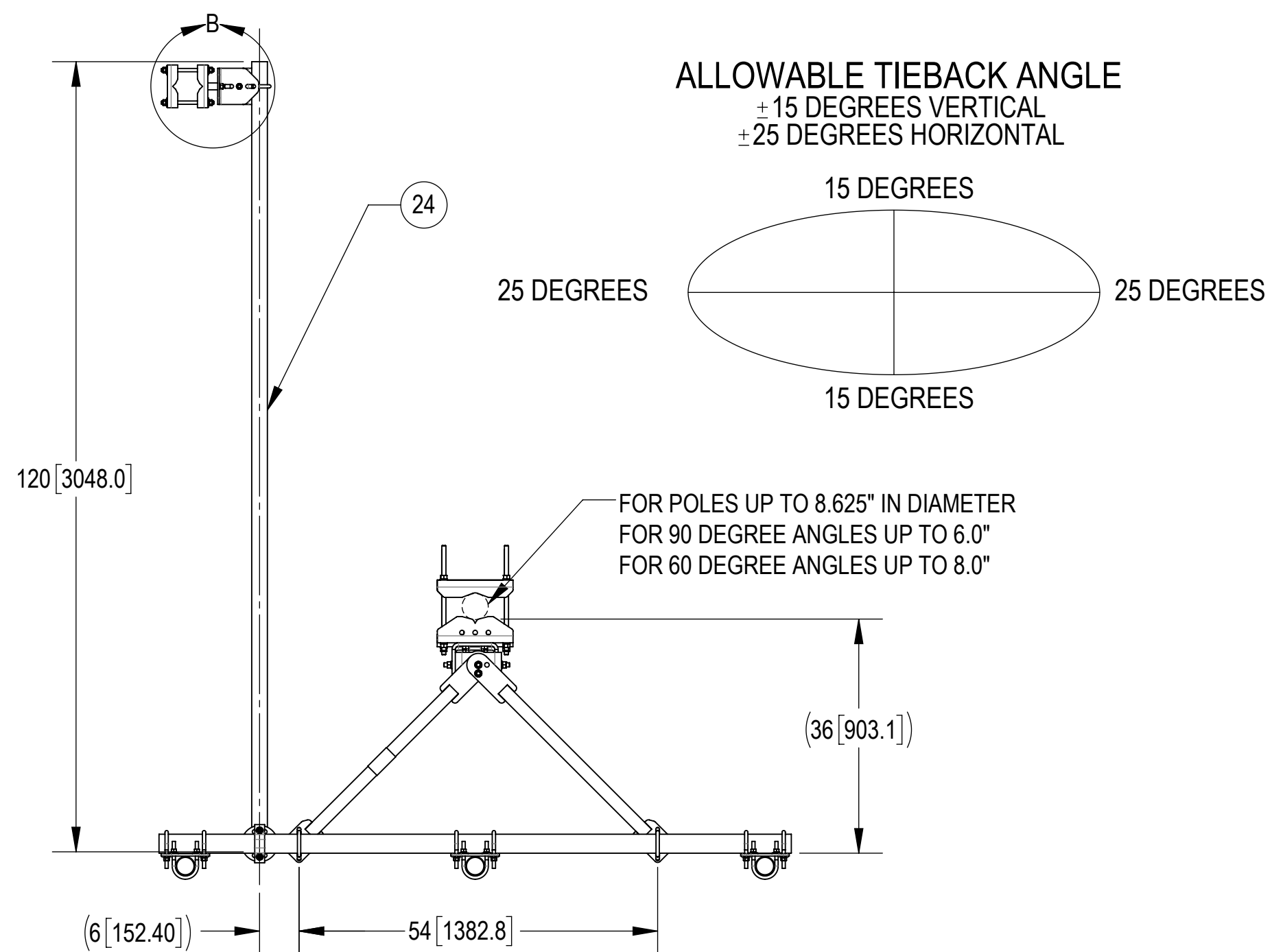
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VERSION	STATUS	REVISION	
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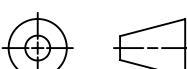


COMPONENT PART NUMBERS PROVIDED FOR ASSEMBLY PURPOSES;
INDIVIDUAL COMPONENTS MAY BE SHIPPED AS PARTS WITHIN AN INCLUDED KIT.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	WEIGHT	NOTE NO.
1	SFV01	WELDMENT, SF-V STANDOFF ARM	2	38.31 LBS	
2	MTC397522	CLAMP, FRONT MOUNTING	2	10.02 LBS	
3	SFV03	SFV TAPER BRACKET	1	7.49 LBS	
4	SFV02	SFV AZIMUTH BRACKET	3	5.91 LBS	
5	MTC397521	CLAMP, BACK	2	6.94 LBS	
6	GB-05225	5/8" X 2-1/4" GALV BOLT KIT	8	0.28 LBS	
7	GB-05305	5/8" X 3" GALV BOLT KIT	4	0.35 LBS	
8	GWL-05	5/8" GALV LOCK WASHER	8	0.03 LBS	
9	GN-05	5/8" GALV HEX NUT	12	0.08 LBS	
10	MT-382-16	5/8" X 16" GALV THREADED ROD	4	1.38 LBS	
11	GWf-05	5/8" GALV FLAT WASHER, 1.7OD	6	0.06 LBS	
12	GUB-4240	1/2" X 2-1/2" X 4" GALV U-BOLT	1	0.56 LBS	
13	XAU01	ANGLE, CROSSOVER, 1.9-3.5" X 1.9-3.5" OD	2	2.98 LBS	
14	SAB01	FORMED CLAMP	2	1.35 LBS	
15	MT-379-8	1/2" X 8" GALV THREADED ROD	2	0.44 LBS	
16	GB-04125	1/2" X 1-1/4" GALV BOLT KIT	1	0.12 LBS	
17	GWf-04	1/2" GALV FLAT WASHER	4	0.04 LBS	
18	GWL-04	1/2" GALV LOCK WASHER	4	0.01 LBS	
19	GN-04	1/2" GALV HEX NUT	4	0.04 LBS	
20	XPU01	PLATE, CROSSOVER, 1.9-3.5" X 1.9-3.5" OD	6	4.76 LBS	
21	GUB-4352	1/2" X 3" X 5-1/4" GALV U-BOLT	28	0.71 LBS	
22	MT54696	PIPE, 2.875"OD X 96"	2	45.96 LBS	
23	MT54696120	Ø 2.88" X 96" WALL GALV PIPE	3	28.35 LBS	
24	MT-651-120	PIPE, 2.375"OD X 120"	1	29.07 LBS	
25	XP-R	CROSSOVER PLATE, ROUND, UP TO 3.5" OD	1	6.20 LBS	
26	OS15034	3/4" X 1-1/2" OFFSET COLLAR	1	0.14 LBS	
27	GB-04265	1/2" X 2-3/4" GALV BOLT KIT	1	0.20 LBS	
28	SFG2150	LABEL, SFG21	1	0.04 LBS	

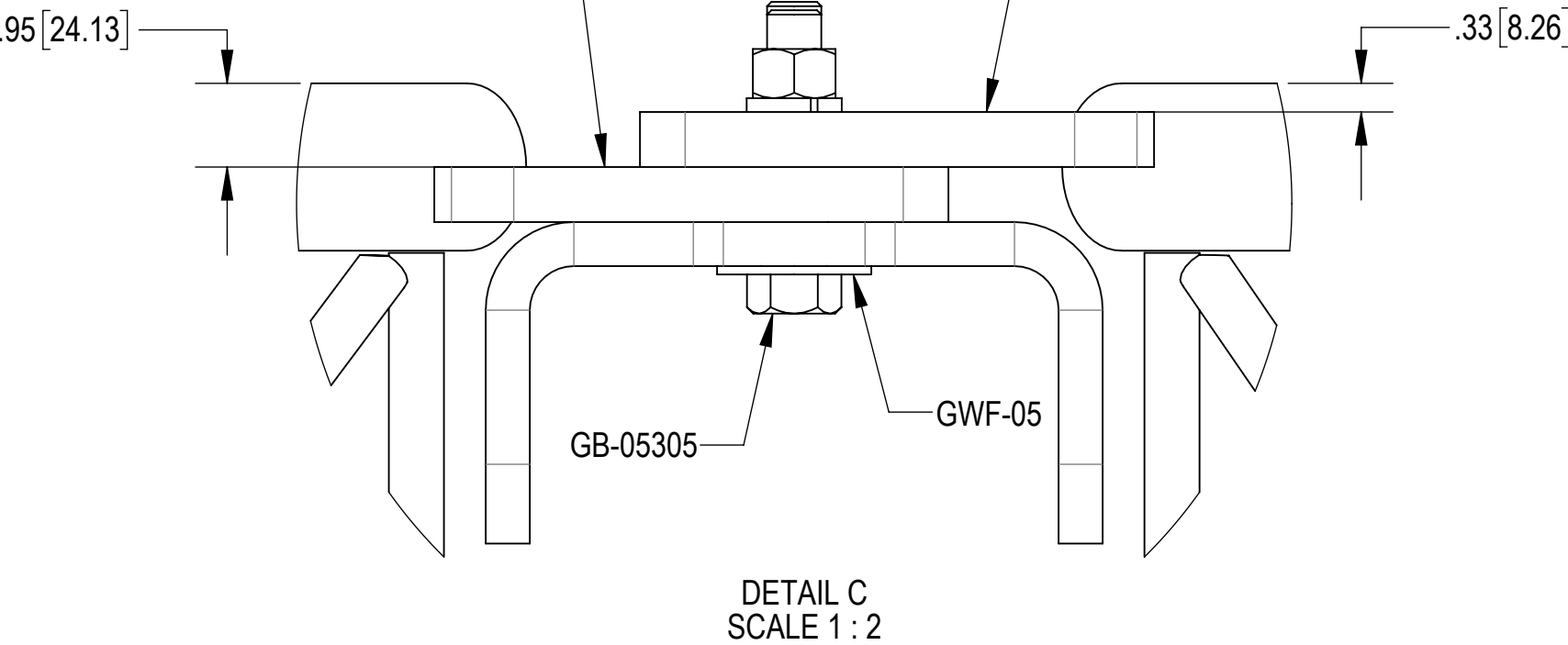
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SIZE	SCALE	DOCUMENT NO.			
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		VERSION	STATUS	REVISION	
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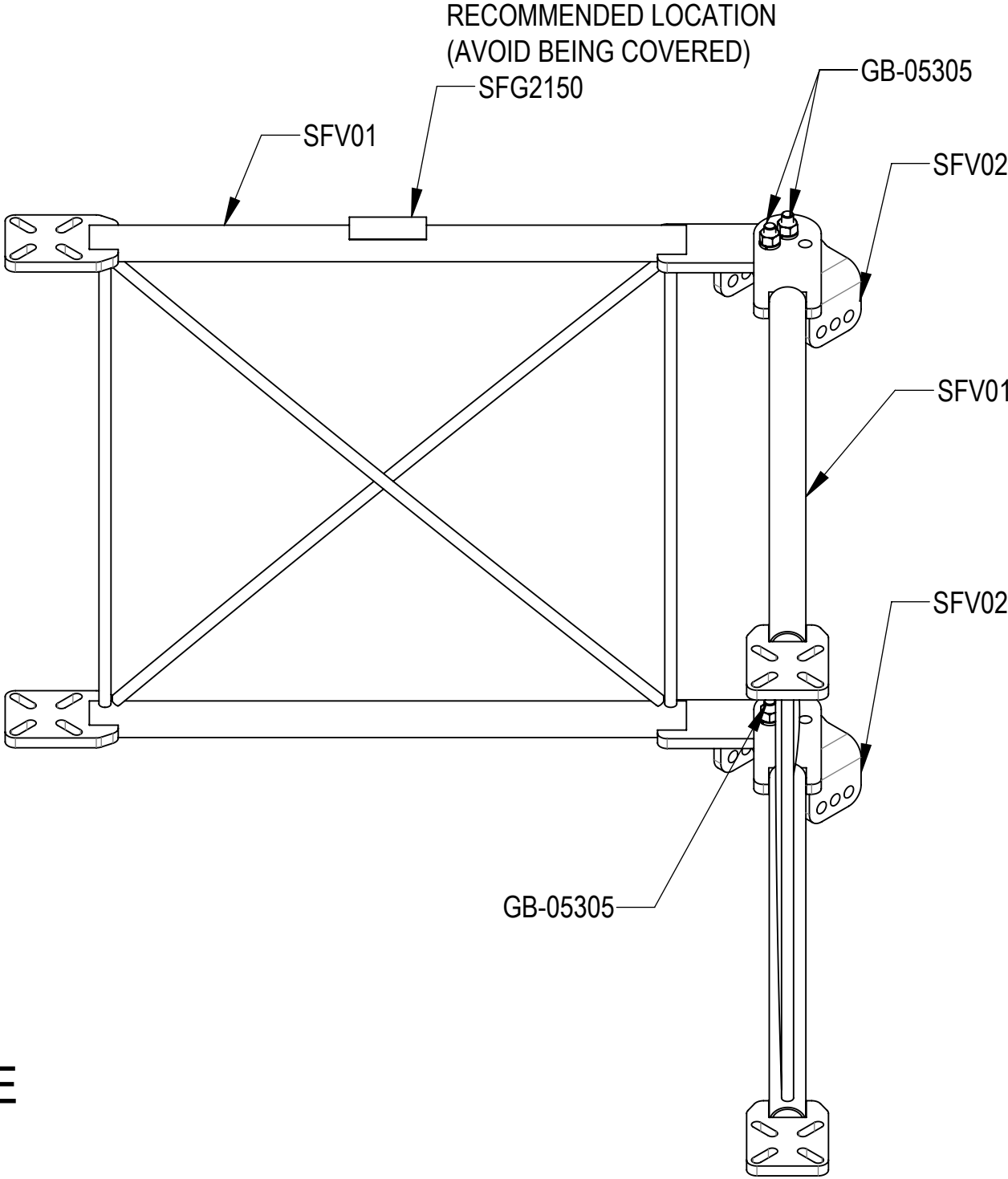
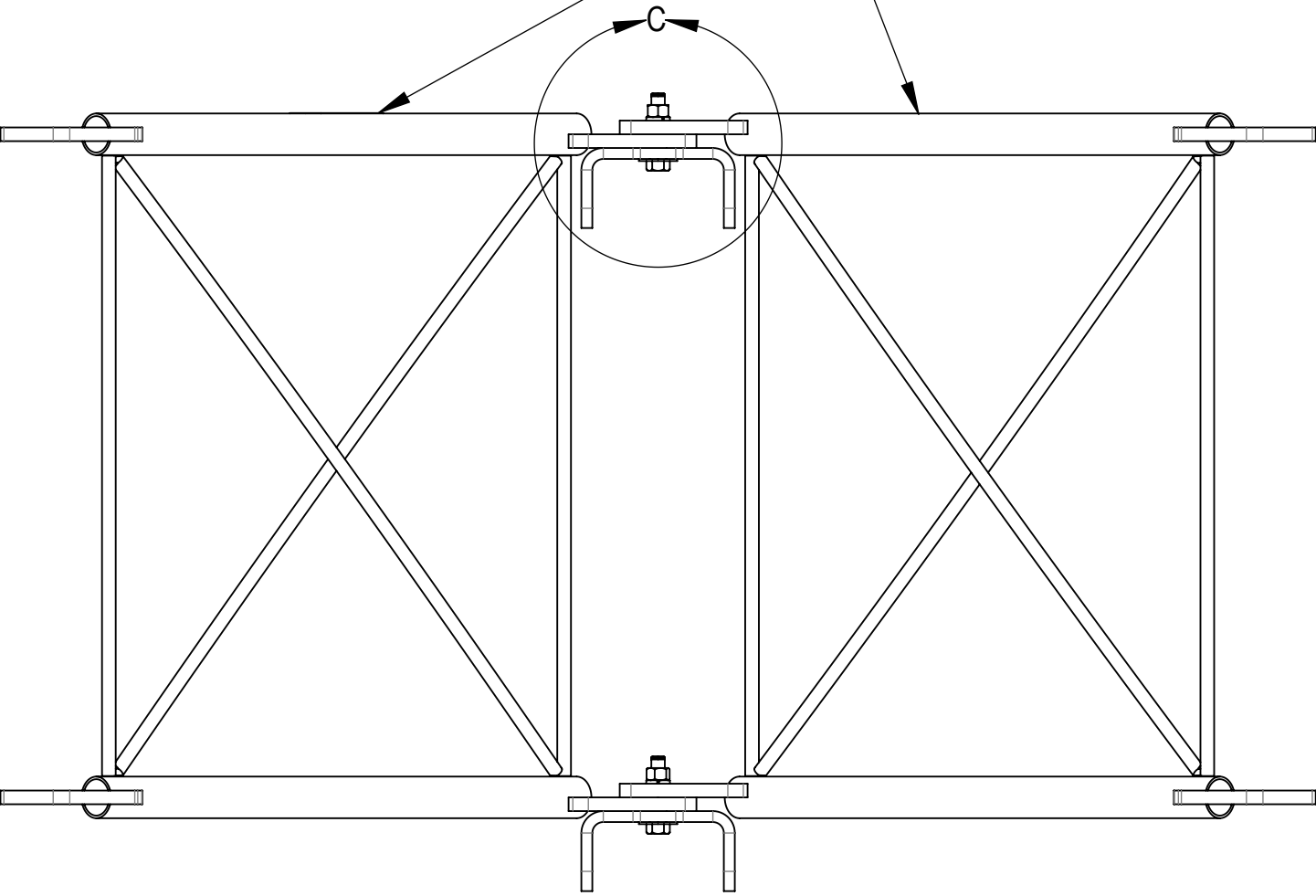
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SIZE	SCALE	DOCUMENT NO.		
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	DRAWING			SHEET 4 OF 8
	VERSION	STATUS	REVISION	
	06	RE	G	

STEP1: ATTACH STANDOFF ARMS (SFV01) TO AZIMUTH BRACKETS (SFV02) USING BOLT KITS (GB-05305) AND FLAT WASHERS (GWF-05).
PLACE LABEL (SFG2150) ON TOP OF STANDOFF ARMS (SFV01). (WIPE GALVANIZED SURFACE WITH ALCOHOL CLEANER BEFORE
APPLYING LABEL)

LOWER ARM "UPSIDE DOWN"
UPPER ARM "RIGHT SIDE UP"



STANDOFF ARM ORIENTATION IS CRITICAL!
WHEN ASSEMBLED, ARMS SHOULD BE LEVEL
WITH EACH OTHER. ALSO SEE DETAIL C ABOVE



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TITLE SECTOR FRAME, TW, SFG21, 8FT, 3 ANT PIPE				
SIZE C	SCALE 1:8	DOCUMENT NO. MTC3975083		
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		VERSION 06	STATUS RE	REVISION G
				SHEET 5 OF 8

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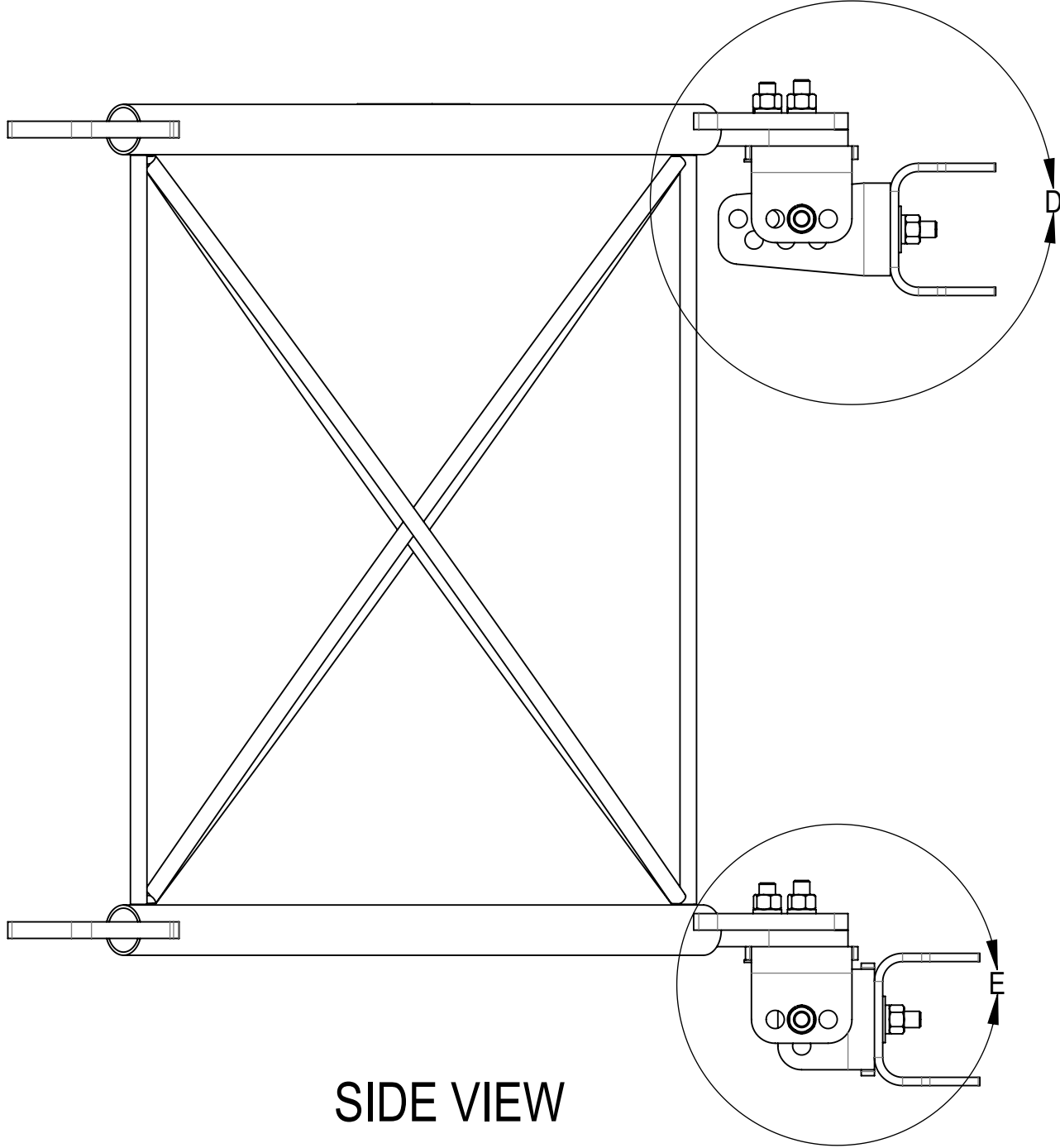
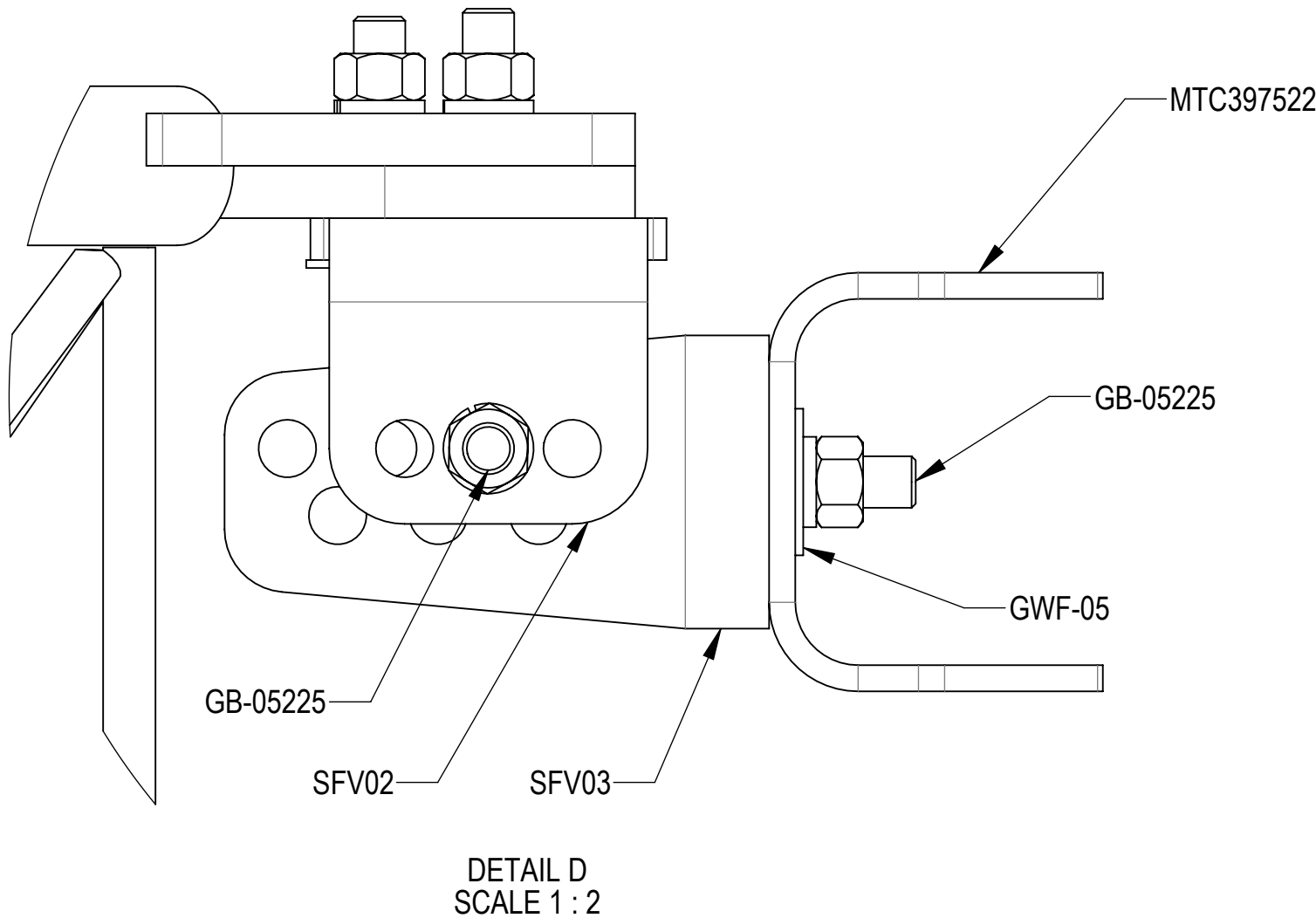
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STEP 2A: ON TOP, ATTACH TAPER BRACKET (SFV03) TO AZIMUTH BRACKET (SFV02) USING BOLT KITS (GB-05225).
SEE ISO ROTATED VIEW. ATTACH TAPER BRACKET (SFV03) TO CLAMP, FRONT MTG (MTC397522) USING BOLT KITS (GB-05225)
AND FLAT WASHERS (GWF-05).

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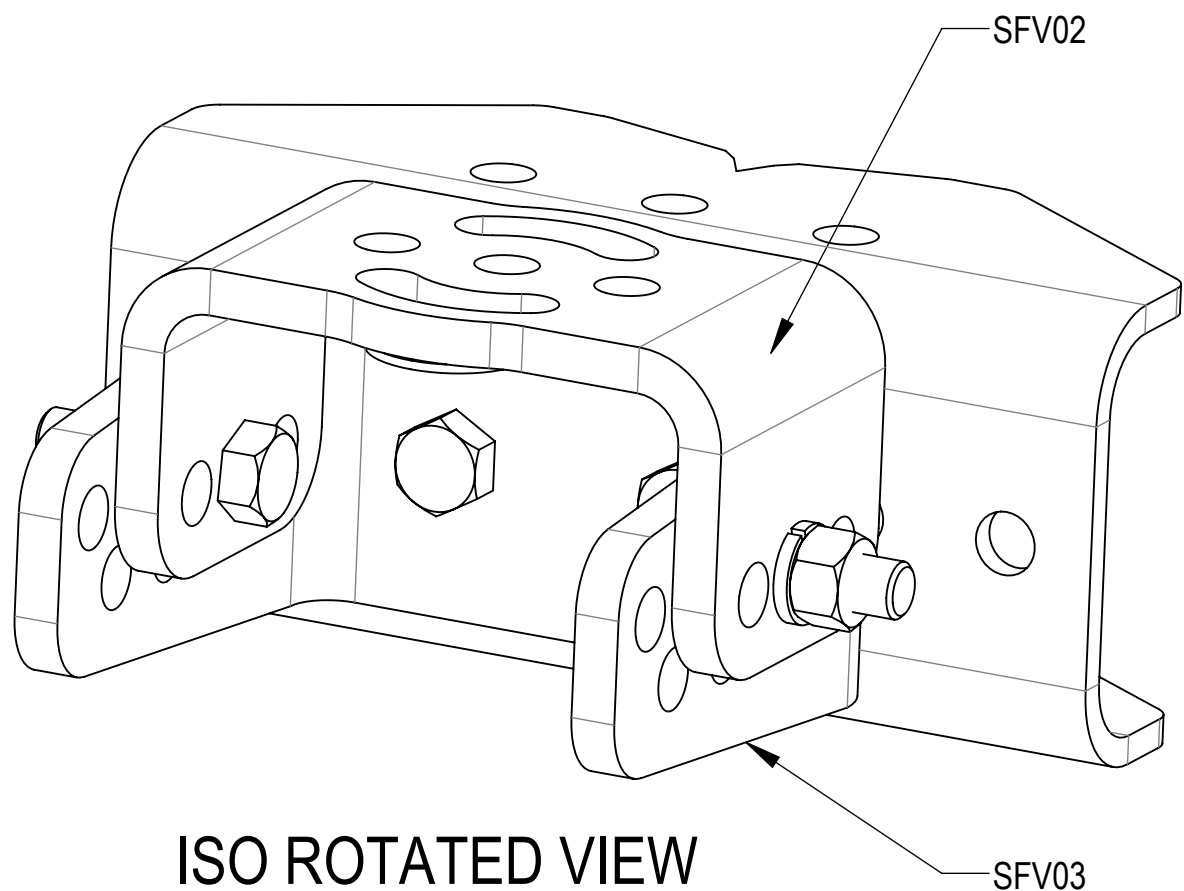
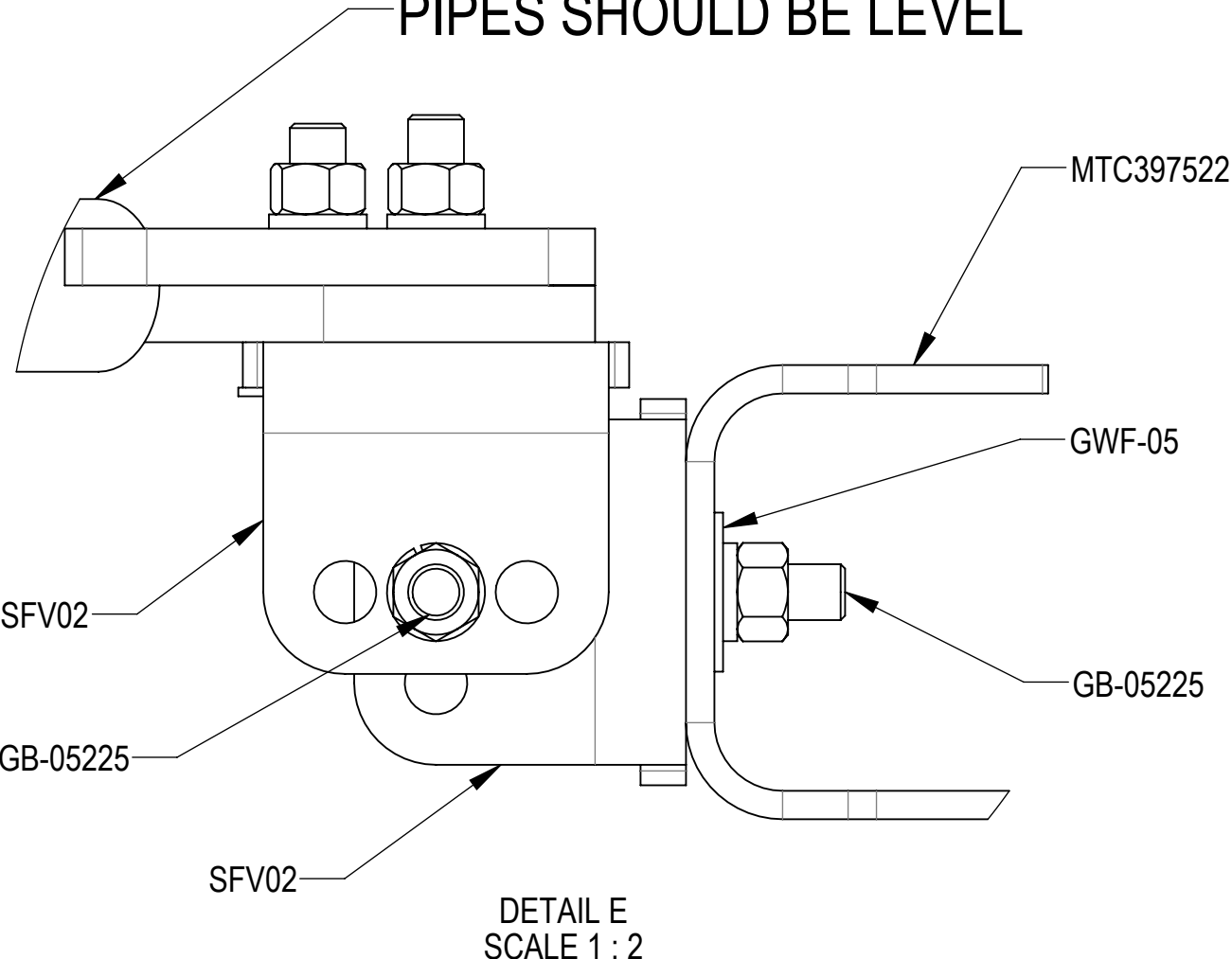
STEP 2B: ON BOTTOM, ATTACH AZIMUTH BRACKET (SFV02) TO AZIMUTH BRACKET (SFV02) USING BOLT KITS (GB-05225).
ATTACH AZIMUTH BRACKET (SFV02) TO CLAMP, FRONT MTG (MTC397522) USING BOLT KITS(GB-05225)
AND FLAT WASHERS (GWF-05).

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SIDE VIEW

STANDOFF ARM ORIENTATION
IS CRITICAL! WHEN ASSEMBLED,
PIPES SHOULD BE LEVEL



ISO ROTATED VIEW

COMMScope, INC. OF NORTH CAROLINA					
TITLE SECTOR FRAME, TW, SFG21, 8FT, 3 ANT PIPE					
SIZE C	SCALE 1:4	DOCUMENT NO. MTC3975083			
		DRAWING			SHEET 6 OF 8
		VERSION 06	STATUS RE	REVISION G	

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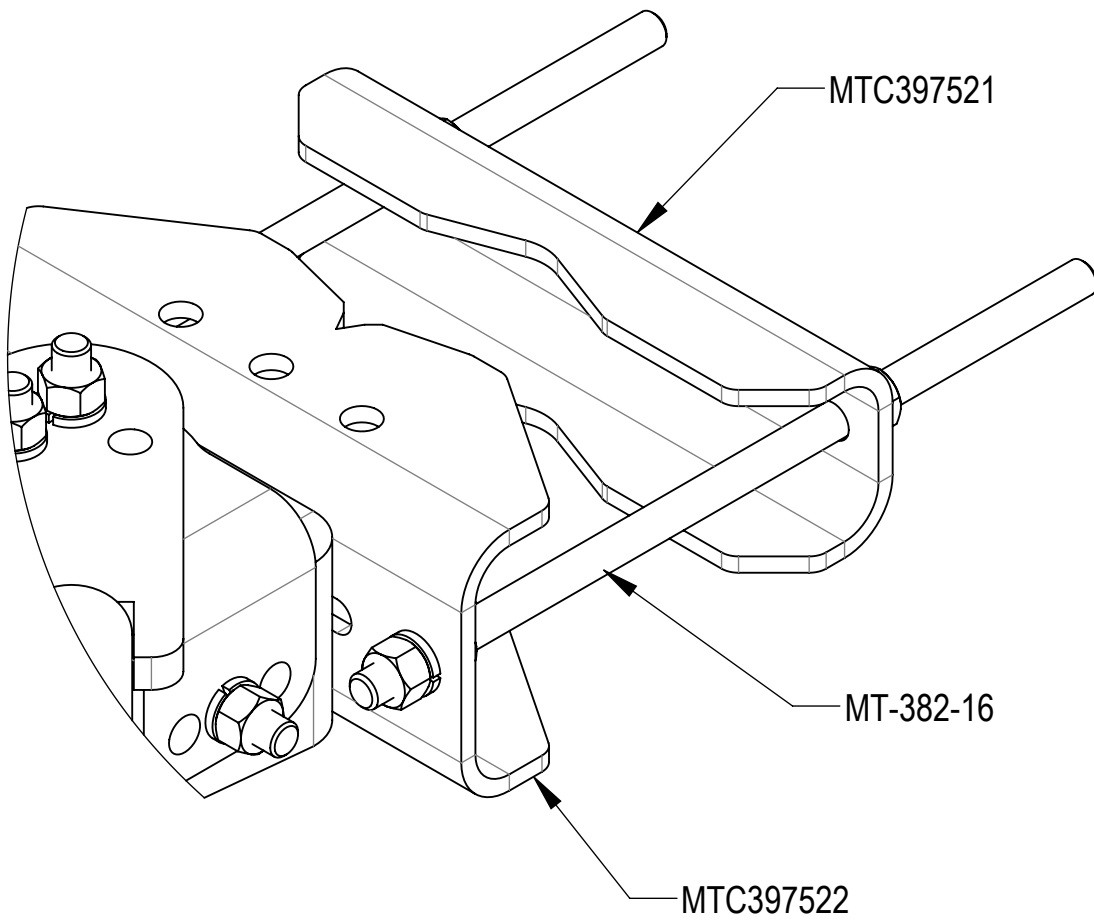
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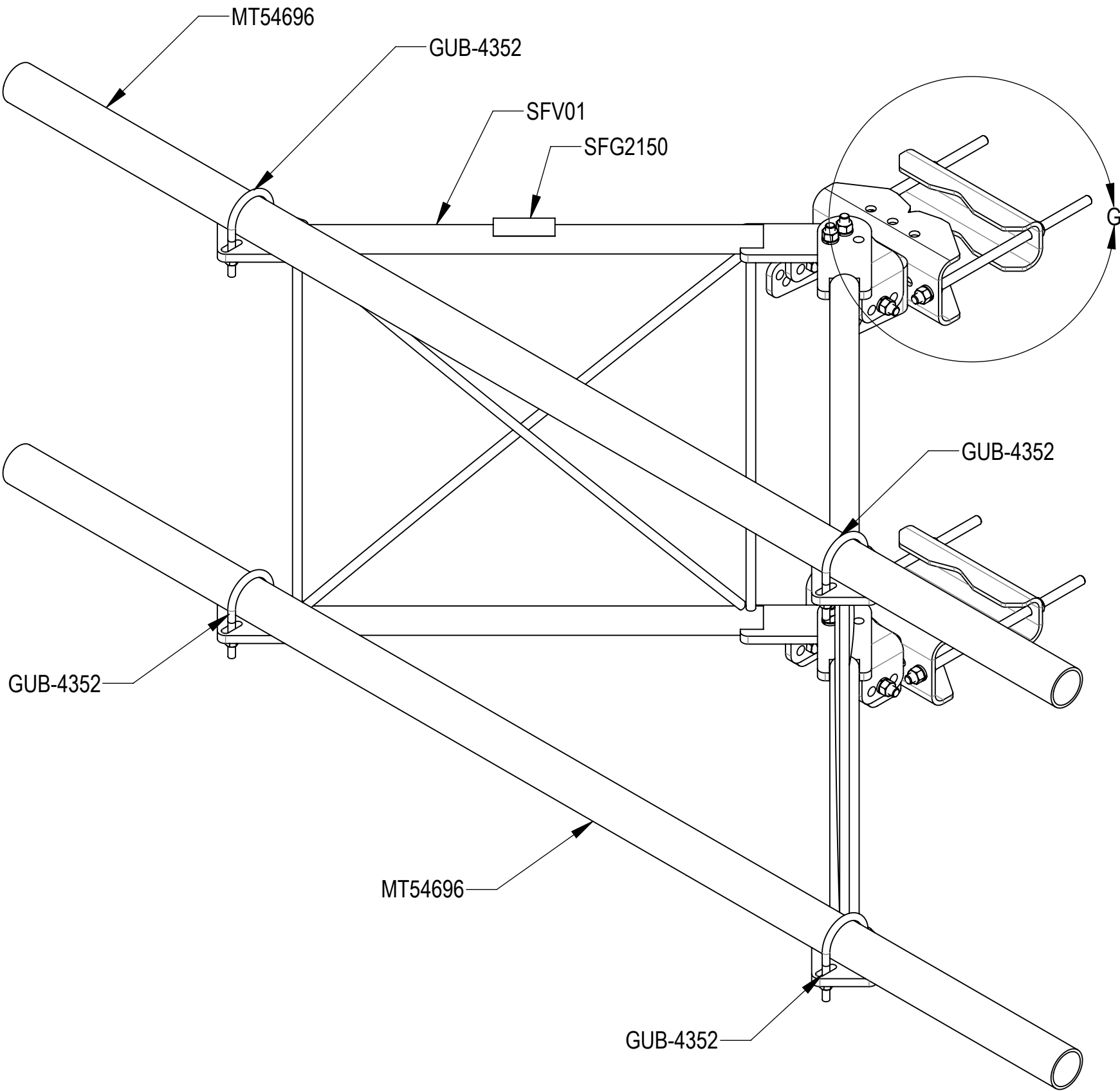
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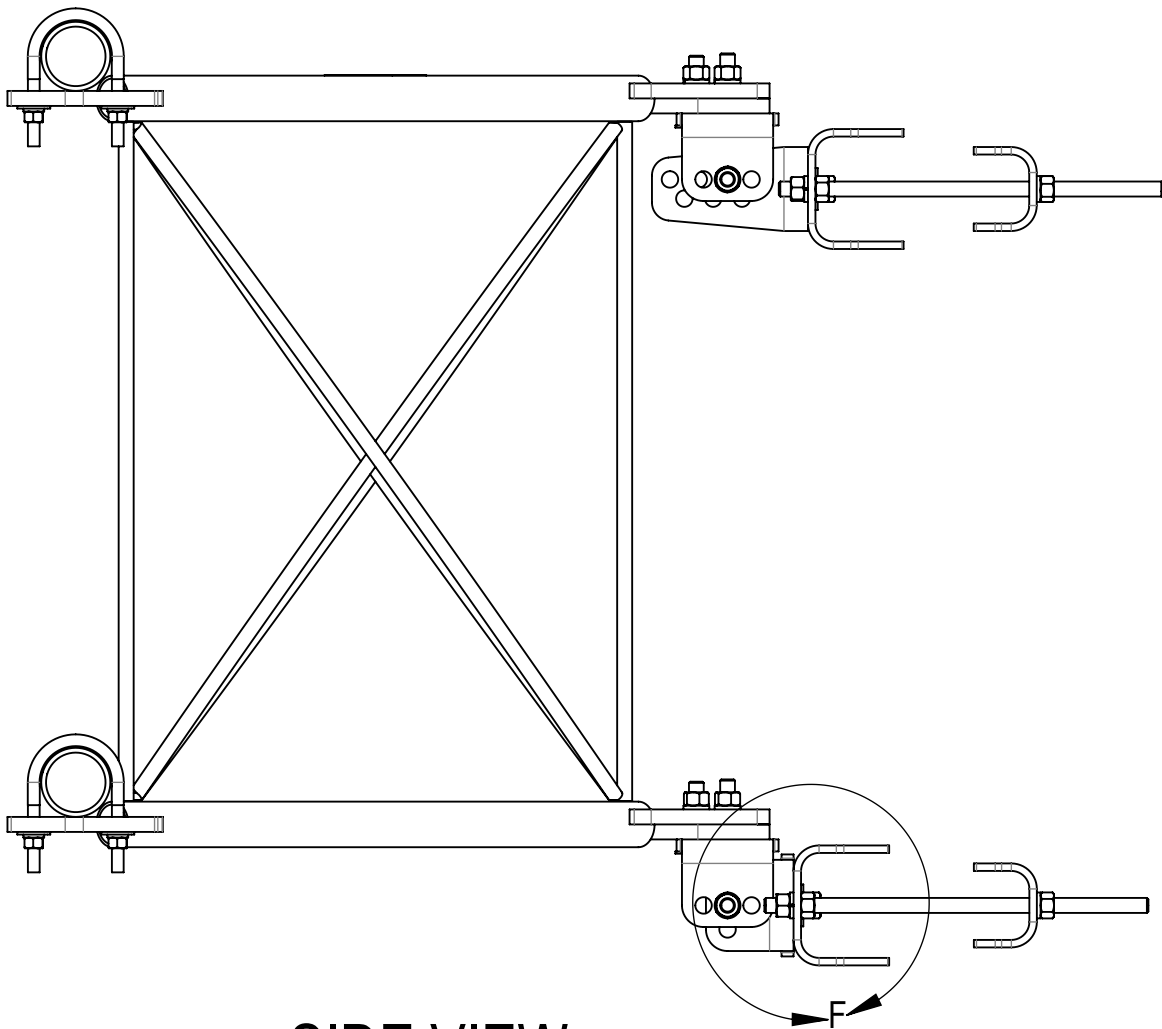
STEP 3: ATTACH FACE PIPES(MT54696) TO STANDOFF ARMS (SFV01) USING U-BOLTS (GUB-4352).



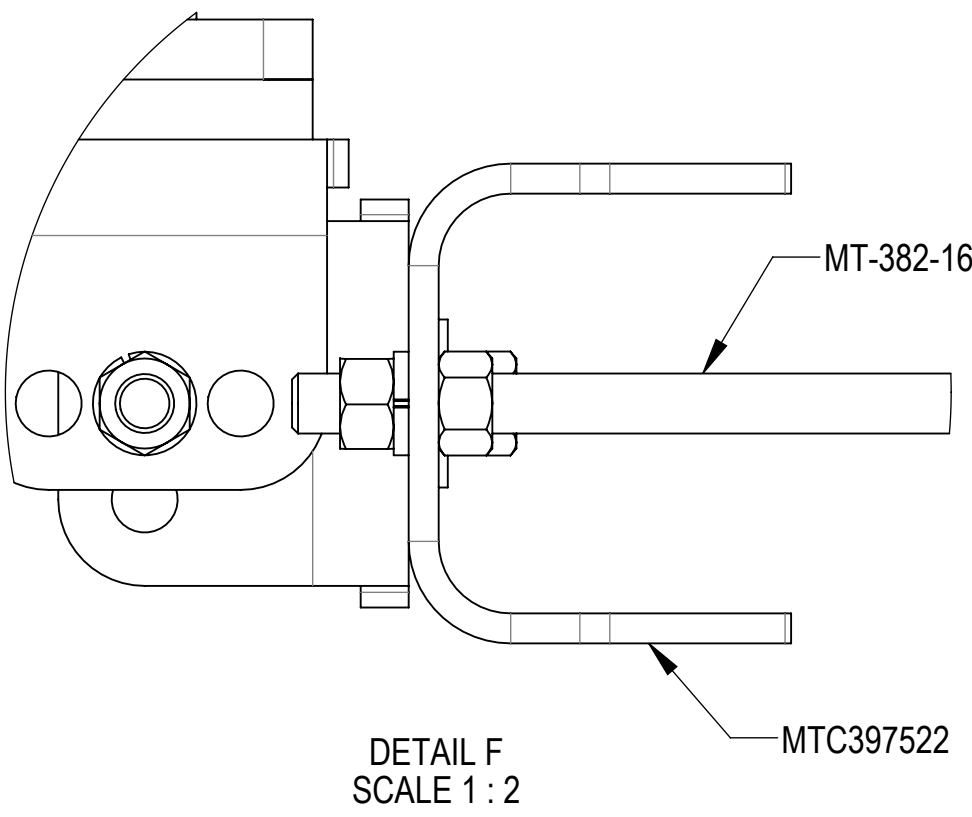
DETAIL G
SCALE 1 : 3



ISO VIEW



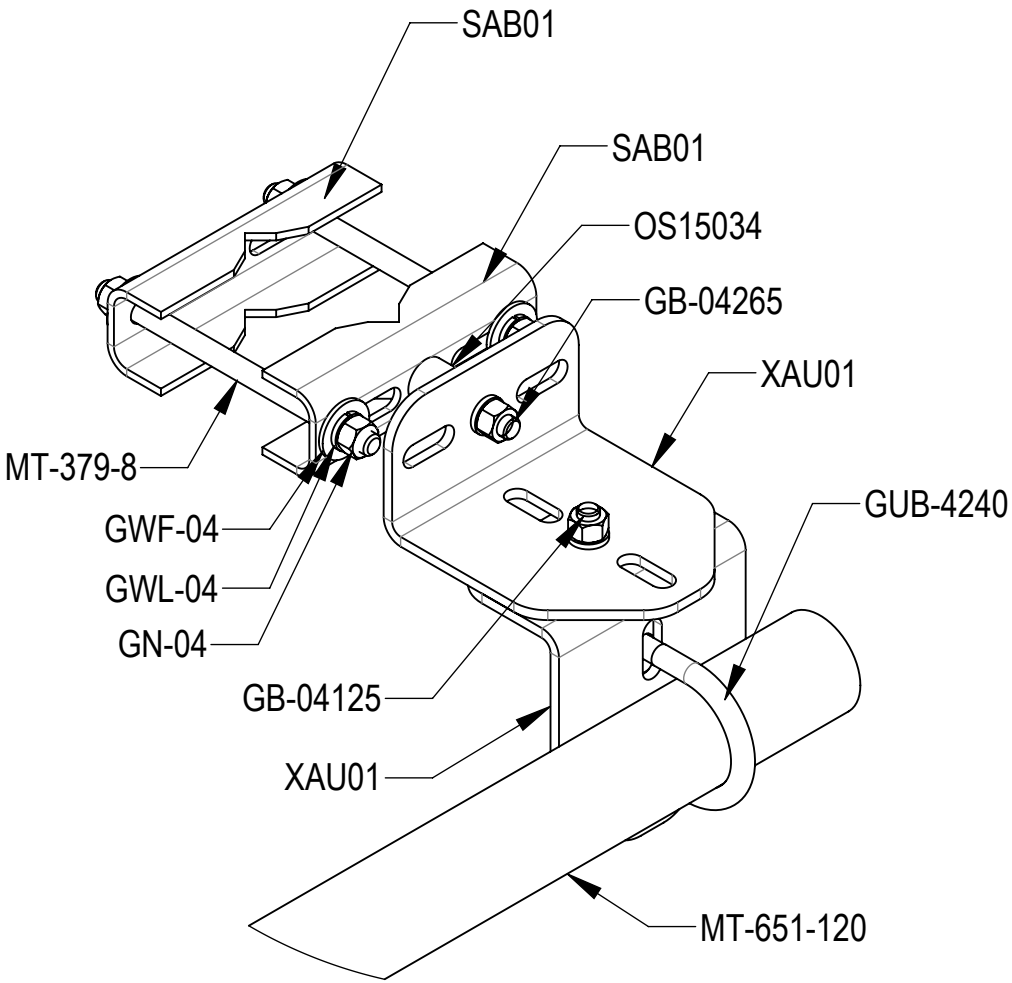
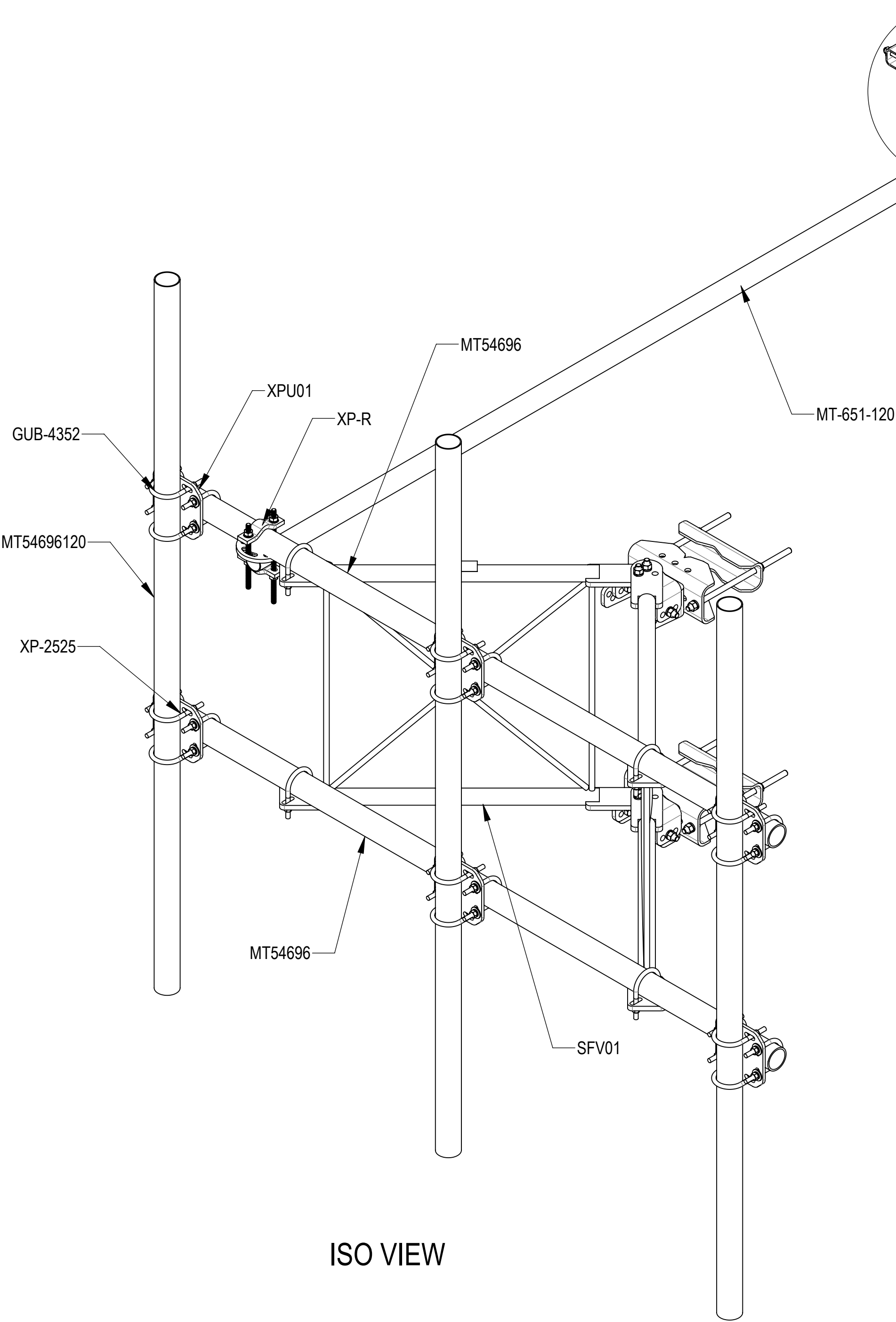
SIDE VIEW



DETAIL F
SCALE 1 : 2

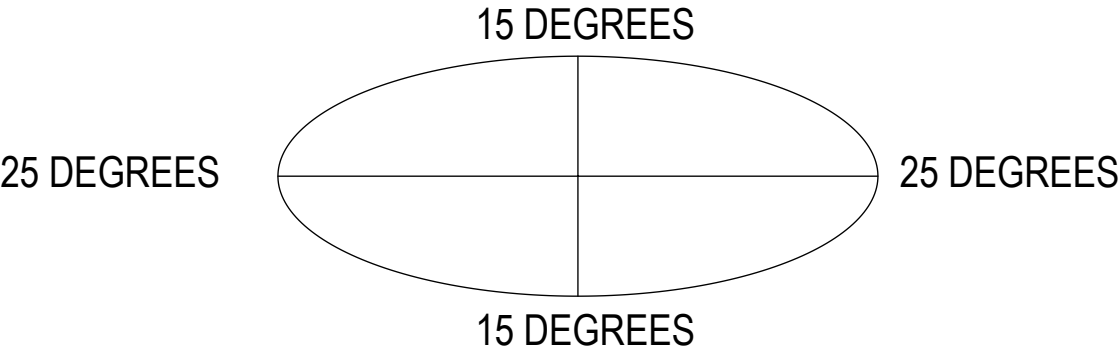
COMMScope, INC. OF NORTH CAROLINA				
TITLE SECTOR FRAME, TW, SFG21, 8FT, 3 ANT PIPE				
SIZE C	SCALE 1:8	DOCUMENT NO. MTC3975083		
 		DRAWING		
		VERSION 06	STATUS RE	REVISION G
		SHEET 7 OF 8		

STEP 4: ATTACH ANTENNA PIPES(MT54696120) TO FACE PIPES(MT54696) USING CROSSOVER PLATES (XPU01) AND U-BOLTS (GUB-4352). ATTACH TIE BACK PIPE (MT-651-120) TO FACE PIPE (MT54696) USING ROUND CROSSOVER PLATE KIT(XP-R).



DETAIL H
SCALE 1 : 4

ALLOWABLE TIEBACK ANGLE
± 15 DEGREES VERTICAL
± 25 DEGREES HORIZONTAL



ISO VIEW

COMMScope, INC. OF NORTH CAROLINA				
TITLE SECTOR FRAME, TW, SFG21, 8FT, 3 ANT PIPE				
SIZE C	SCALE 1:10	DOCUMENT NO. MTC3975083		
 		DRAWING		
		VERSION 06	STATUS RE	REVISION G
				SHEET 8 OF 8