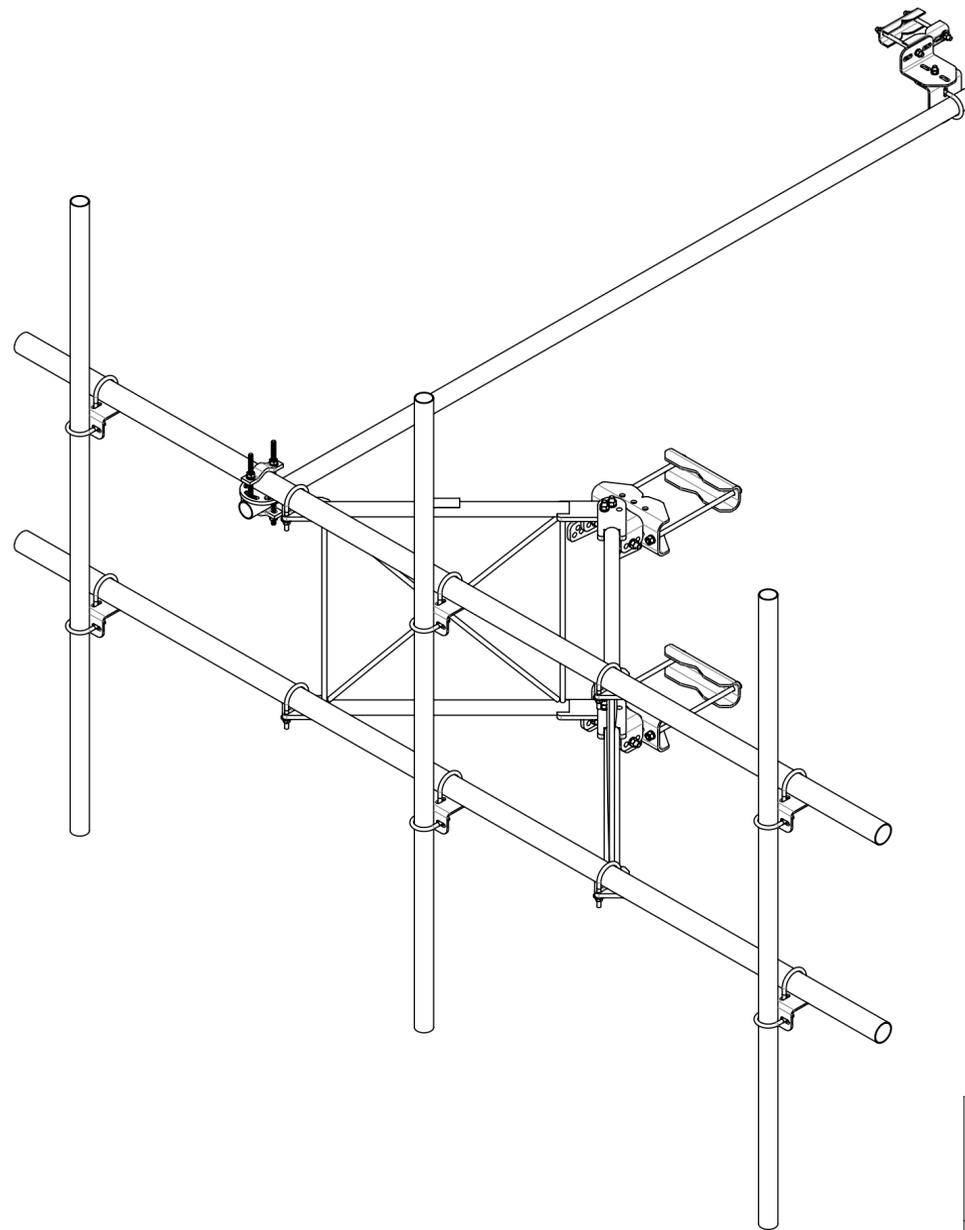


- 1.0 GENERAL NOTES
  - 1.1 ALL METRIC DIMENSIONS ARE IN BRACKETS [X. X]
  - 1.2 FOR PATENT INFO: <https://www.adwpat.com>
- 2.0 DESIGN NOTES
  - 2.1 ANY HAZARDS OR OBSTRUCTIONS TO THE CLIMBING FACILITY AND SAFETY CLIMB MUST BE IDENTIFIED PRIOR TO INSTALLING THE APPURTENANCE. ADDITIONAL PRODUCTS MAY 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 UP TO 5.7° TAPER AVAILABLE ON MODELS THAT SUPPORT ADJUSTMENT.
- 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 MAYBE SUPPLIED, BAGGED AND SHIPPED

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	INITIAL RELEASE	YX1027 4/12/2022	40146167CMO
C	SHEET 1: REMOVED NOTE 3.1; REMOVED MATERIAL AND FINISH TITLE BLOCK ; REMOVED PACKING VIEW FROM SEPARATE DRAWING; ADDED NOTE 2.2; SHEET 2: UPDATED BOM NOTES	YX1027 10/17/2022	40158396CMO
D	TIE BACK PIPES TO FACE PIPES CONNECTION REPLACED XA WITH XP-R	YX1027 12/1/2022	40161600CMO
E	ITEM 24 WAS SFG2251; MOVED LOCATION OF ITEM 24 TO THE TOP OF V-ARM; ADDED NOTE FOR POLES DIAMETER IN DETAIL B	RY1002 29AUG23	YW1045 40177837CMO



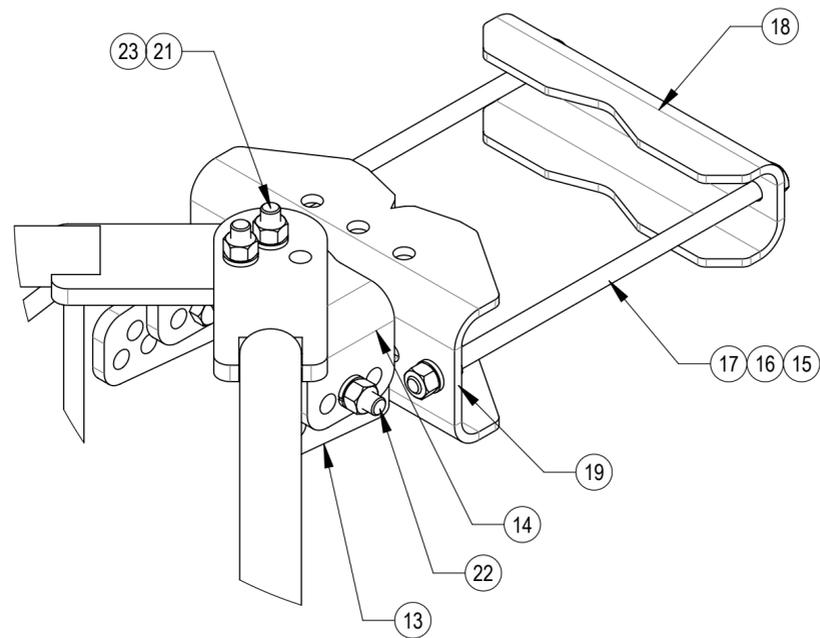


# ANDREW<sup>®</sup> an Amphenol company

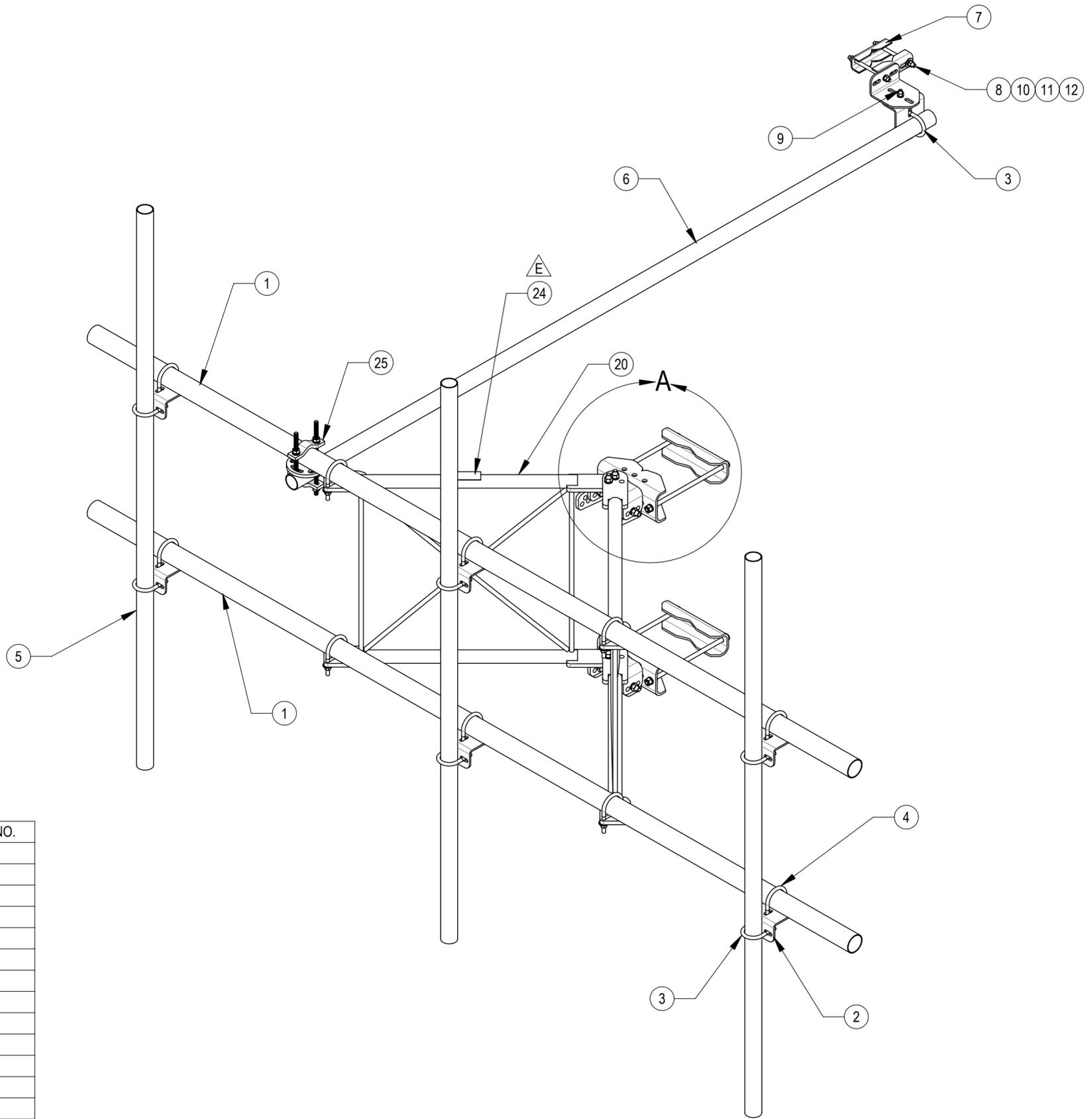
TOLERANCES		SAP MATERIAL MASTER	
1 PLACE .X[X] ± 0.25[6.3]	3 PLACE .XXX[X] ± 0.060[1.5]	<b>SFG21HD-12-3-96</b>	
2 PLACE .XX[X] ± 0.12[3.0]	ANGLES ± 2°		
FINISH		MATERIAL	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES INTERPRET PER ANSI Y 14.5M-1994		NAME	DATE
		CE YX1027	4/12/2022
		RW YX1027	06/05/2025
		AD YMENG	06/05/2025
		RE YMENG	06/05/2025
ECN 40177837CMO		TITLE	
		<b>SINGLE SECTR FRM KIT 12'6" FACE ,(3) 96"</b>	
		SCALE	DOCUMENT NO.
		<b>1:9</b>	<b>SFG21HD-12-3-96</b>
SIZE	Auth Group	INSL	MODEL
<b>C</b>			VERSION
			STATUS
			REVISION
			VERSION
			STATUS
			REVISION
			DRAWING
			VERSION
			STATUS
			REVISION
			SHEET
			1 OF 3

DENSITY		lbs/in <sup>3</sup>
MASS	384.79	lbs
VOLUME	1357.55	in <sup>3</sup>
SURFACE AREA	16913.21	in <sup>2</sup>
HEIGHT	96"	
LENGTH	150"	
WIDTH	126"	

Confidential



**DETAIL A**  
SCALE 1 : 4



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	MT546150120	2.88 OD X 150" LONG PIPE	2	44.29 LBS	
2	XAU01	ANGLE, CROSSOVER, 1.9-3.5" X 1.9-3.5" OD	8	2.98 LBS	
3	GUB-4240	1/2" X 2-1/2" X 4" GALV U-BOLT	7	0.56 LBS	
4	GUB-4352	1/2" X 3" X 5-1/4" GALV U-BOLT	10	0.71 LBS	
5	MT-651-96	2.375" OD X 96" PIPE	3	23.05 LBS	
6	MT-537	Ø 2.375" OD X 126" PIPE	1	30.45 LBS	
7	SAB01	FORMED CLAMP	2	1.35 LBS	
8	MT-379-8	1/2" X 8" GALV THREADED ROD	2	0.45 LBS	
9	GB-04145	1/2" X 1-1/2" GALV BOLT KIT	1	0.13 LBS	
10	GWF-04	1/2" GALV FLAT WASHER	4	0.04 LBS	
11	GWL-04	1/2" GALV LOCK WASHER	5	0.01 LBS	
12	GN-04	1/2" GALV HEX NUT	5	0.04 LBS	
13	SFV03	SFV TAPER BRACKET	1	7.49 LBS	
14	SFV02	SFV AZIMUTH BRACKET	3	5.91 LBS	
15	GN-05	5/8" GALV HEX NUT	12	0.08 LBS	
16	GWL-05	5/8" GALV LOCK WASHER	8	0.03 LBS	
17	MT-382-16	5/8" X 16" THREADED ROD	4	1.28 LBS	
18	MTC397521	CLAMP, BACK	2	6.94 LBS	
19	MTC397522	CLAMP, FRONT MOUNTING	2	10.02 LBS	
20	SFV01	WELDMNT, SF-V STANDOFF ARM	2	38.31 LBS	
21	GB-05305	5/8" X 3" GALV BOLT KIT	4	0.35 LBS	
22	GB-05225	5/8" X 2-1/4" GALV BOLT KIT	8	0.28 LBS	
23	GWF-05	5/8" GALV FLAT WASHER, 1.7OD	6	0.06 LBS	
24	SFG2152	LABEL, SFG21HD	1	0.04 LBS	
25	XP-R	CROSSOVER PLATE, ROUND, UP TO 3.5" OD	1	6.20 LBS	



TITLE  
**SINGLE SECTR FRM KIT 12'6" FACE ,(3) 96"**

SIZE **C** SCALE **1:12** DOCUMENT NO. **SFG21HD-12-3-96**

DRAWING			SHEET 2 OF 3
VERSION	STATUS	REVISION	
03	RE	E	

Confidential



4

3

2

1

D

D

C

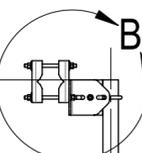
C

B

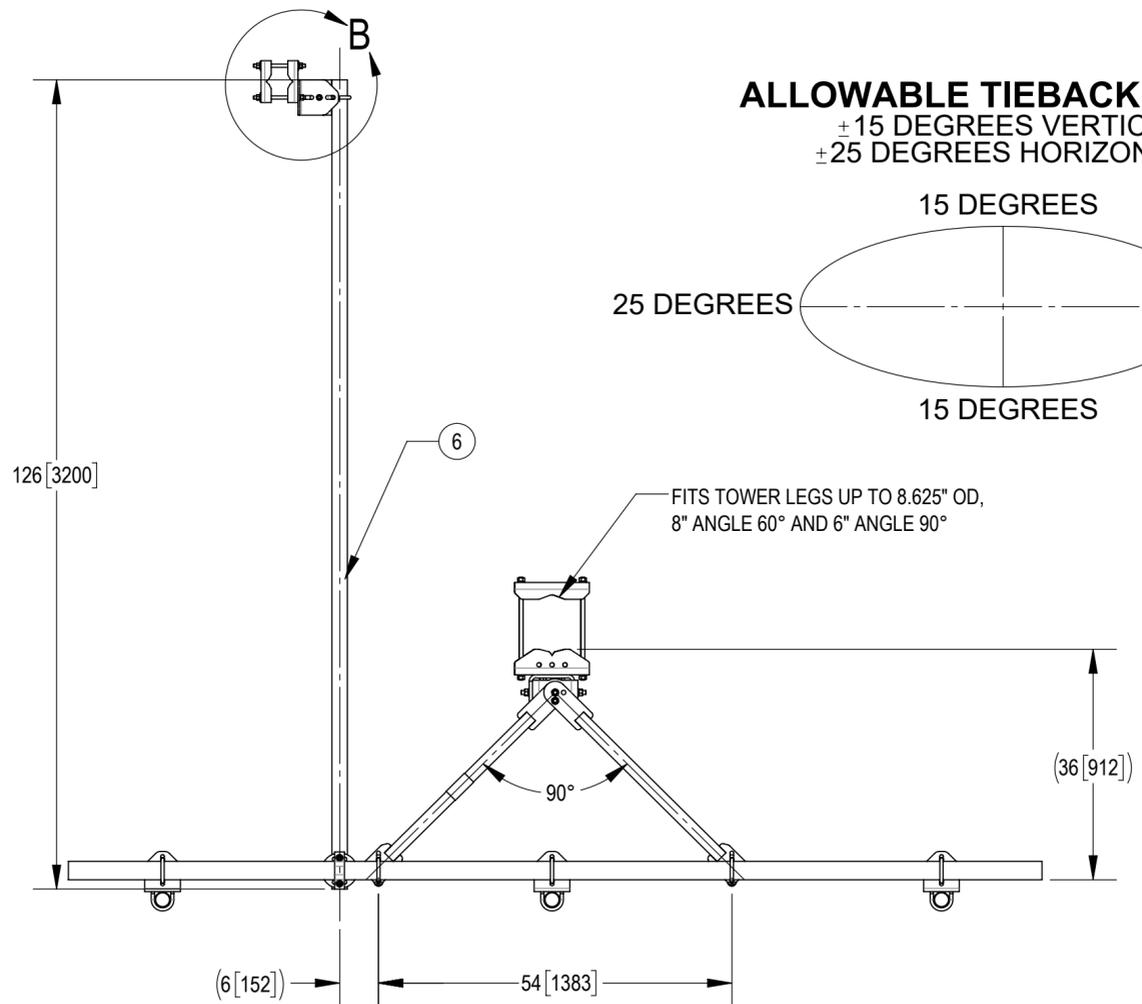
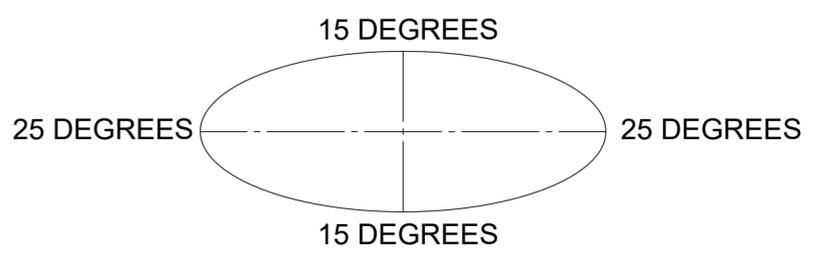
B

A

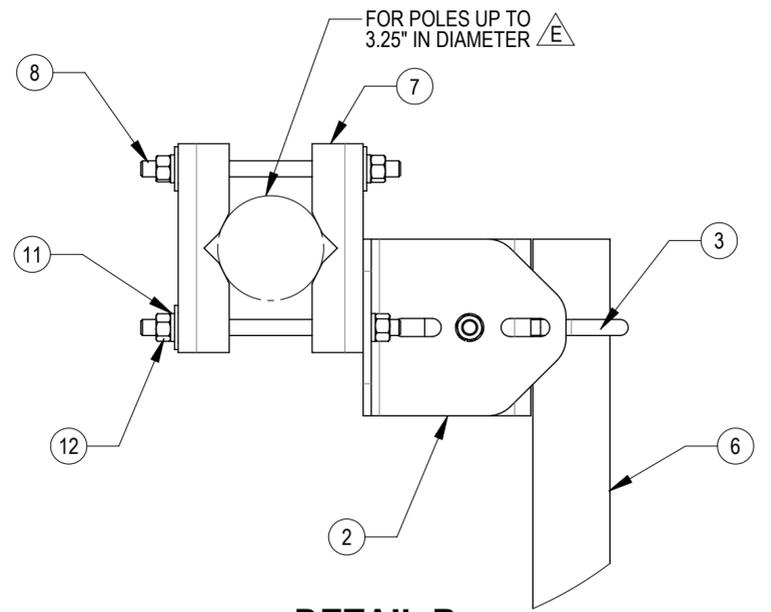
A



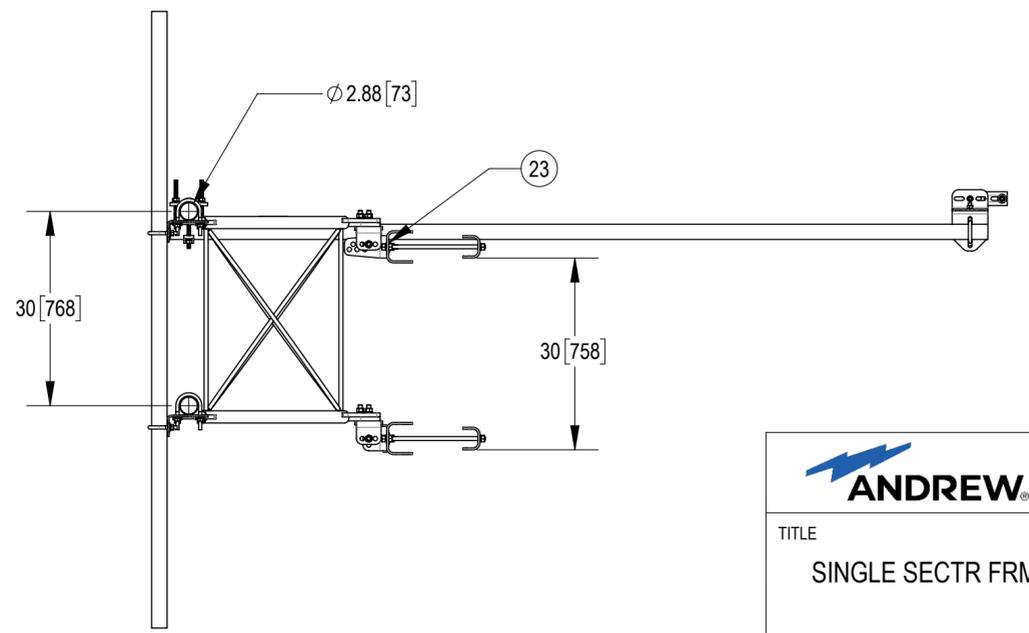
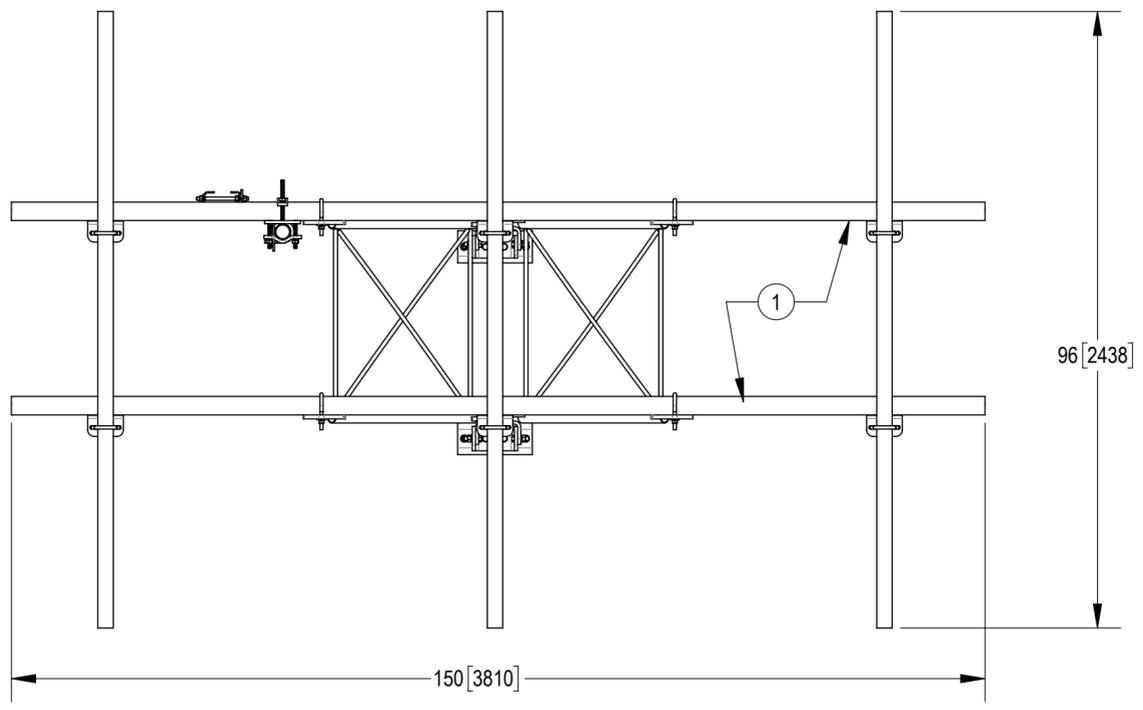
**ALLOWABLE TIEBACK ANGLE**  
 ±15 DEGREES VERTICAL  
 ±25 DEGREES HORIZONTAL



FITS TOWER LEGS UP TO 8.625" OD,  
 8" ANGLE 60° AND 6" ANGLE 90°



**DETAIL B**  
 SCALE 1 : 4



TITLE				
SINGLE SECTR FRM KIT 12'6" FACE ,(3) 96"				
SIZE	SCALE	DOCUMENT NO.		
<b>C</b>	<b>1:20</b>	SFG21HD-12-3-96		
		DRAWING		SHEET
		VERSION	STATUS	REVISION
		03	RE	E
				SHEET 3 OF 3

Confidential

4

3

2

1