

The diagram is an isometric view of a complex antenna tower structure. It features several vertical tower legs, horizontal cross-arms, and diagonal bracing members. Key components are labeled with callouts:

- 1**: Upper pivoting plate (item 1) for taper adjustment.
- 2**: Locking cable guides.
- 10, 11, 16**: Detail of a joint or mounting point.
- 17, 18**: Detail of a joint or mounting point.
- SEE NOTE 4**: Points to a specific joint.
- SEE NOTE 5**: Points to a specific joint.
- SEE LOWER LEG MOUNTING DETAIL ON PAGE 3**: Points to the base of a leg.
- SEE TIE BACK DETAIL ON PAGE 3**: Points to a diagonal bracing member.
- SEE UPPER LEG MOUNTING DETAIL ON PAGE 3**: Points to the top of a leg.
- SEE NOTE 1**: Points to a specific joint.
- TOWER LEG (TYP)**: Points to a vertical leg.

± 15 DEGREES VERTICAL
 ± 25 DEGREES HORIZONTAL
 $+15$ DEGREES
 -25 DEGREES
 $+25$ DEGREES
 -15 DEGREES

NOTES:

INSTALLATION NOTES:

1. UPPER PIVOTING PLATE (ITEM 1) FOR TAPER ADJUSTMENT.
2. INSTALL PRODUCT EXACTLY AS SHOWN.
3. IF LOCKING CABLE GUIDES ARE USED, SEE DETAIL ON PAGE 3.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES TOLERANCES: FRACTIONS $\pm 1/16"$	MATERIAL:
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1. MOUNTING PIPES & CROSSOVER PLATE KITS MUST BE PURCHASED SEPARATELY.
2. QUANTITIES SHOWN IN LISTS OF MATERIAL ARE FOR ONE (1) V-BOOM ONLY.
3. THIS V-BOOM WILL MOUNT TO THE FOLLOWING: 1 1/2"Ø TO 5 9/16"Ø ROUND LEG.
4. TIEBACK MUST BE CONNECTED TO A RIGID MEMBER THAT PROVIDES ADEQUATE SUPPORT WITHIN THE LIMITS NOTED ABOVE IN THE TIEBACK ANGLE RANGE DETAIL UNLESS APPROVED BY THE ENGINEER OF RECORD.
5. THE TIEBACK IS SHOWN IN THIS POSITION AS A DEFAULT. THIS TIEBACK CAN BE CONNECTED AT ANY (1) OF THE (4) POSITIONS ON THE TABS ON THE FACE PIPE.

1. UPPER PIVOTING PLATE (ITEM 4) HAS THREE HOLES ON EACH SIDE AND UPPER LEG CLAMP PLATE (ITEM 5) HAS TWO HOLES ON EACH SIDE FOR TAPER ADJUSTMENT.
2. INSTALL PRODUCT EXACTLY AS SHOWN IN DRAWING, WITH ALL BOLTS FACING UPWARDS.
3. IF LOCKING CABLE GUIDES ARE REQUIRED THEY MUST BE PURCHASED SEPARATELY (SEE PAGE 4).

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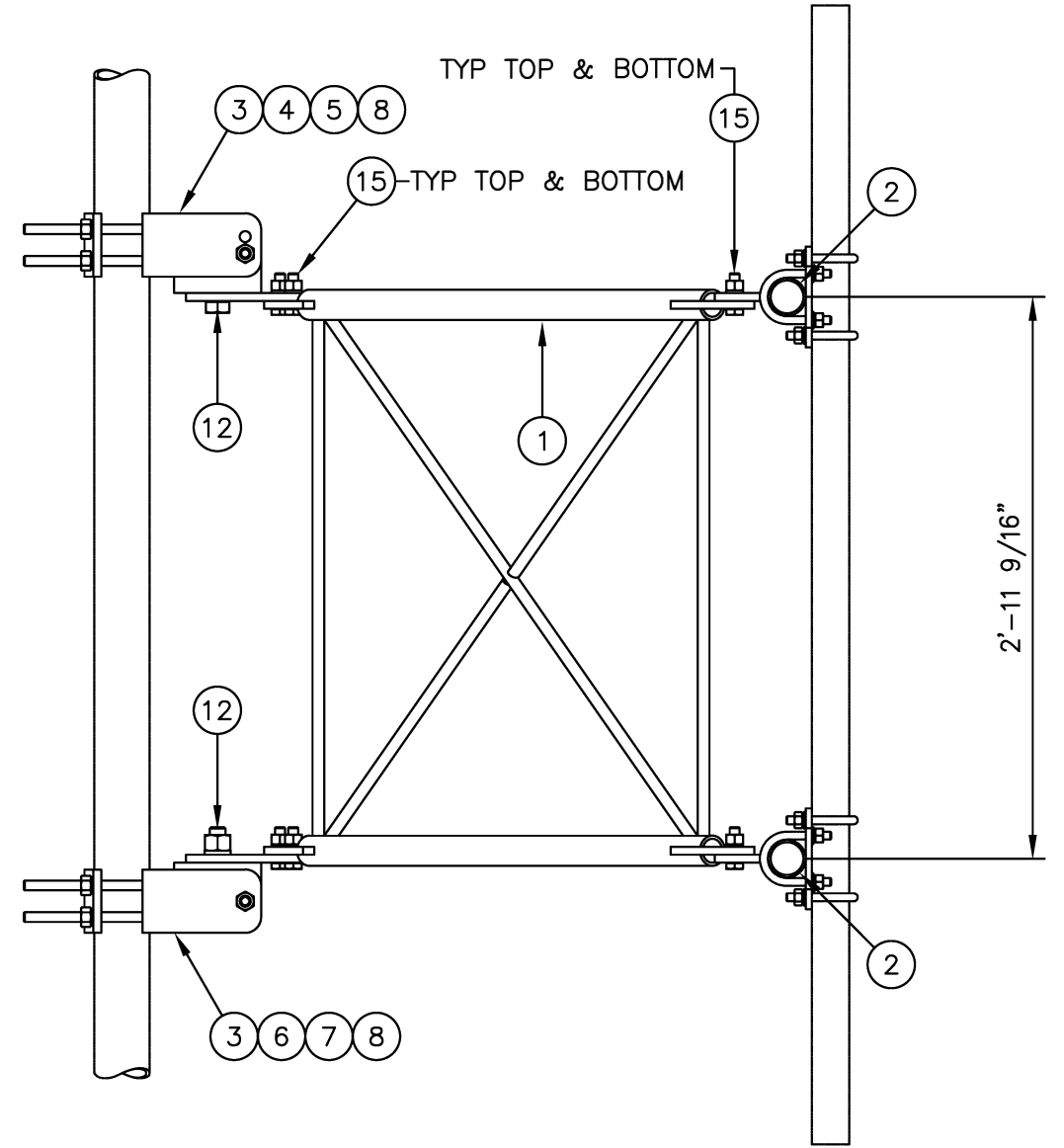
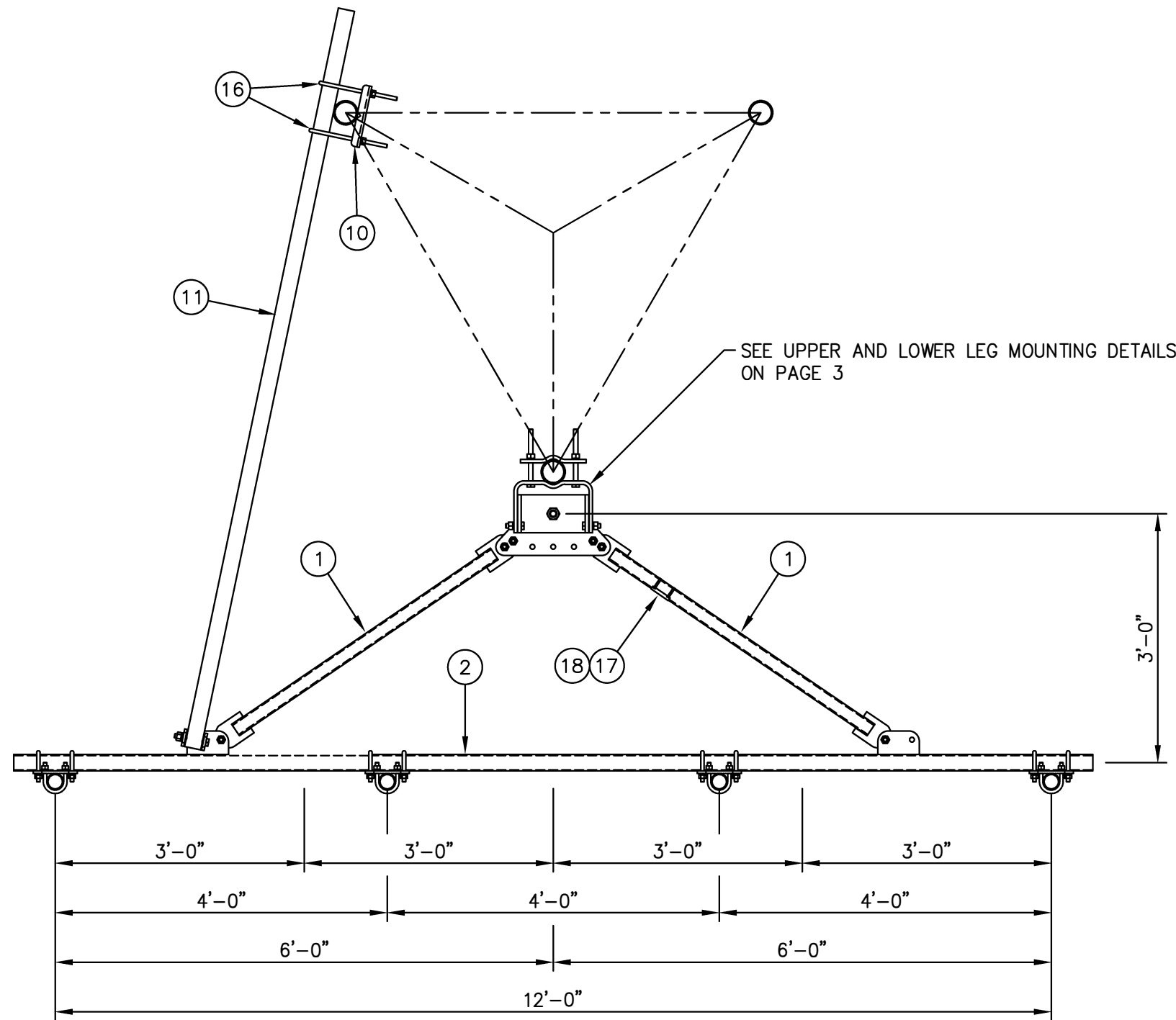
C10837001C 12' THD V-BOOM ASSEMBLY W/TIEBACK				
ITEM	QTY.	PART NO.	DESCRIPTION	WEIGHT
1.	2	CW01454	WELDMENT, STANDOFF ARM	119
2.	2	CW01470	WELDMENT, FACE PIPE	110
3.	2	CS03341	PLATE, ROTATING	27
4.	1	CS03342	PLATE, PIVOTING (UPPER)	13
5.	1	CS03343	PLATE, LEG CLAMP (UPPER)	14
6.	1	CS03344	PLATE, PIVOTING (LOWER)	12
7.	1	CS03345	PLATE, LEG CLAMP (LOWER)	14
8.	2	CS03346	PLATE, LEG CLAMP (BACK)	11
9.	1	CS00098	PLATE, TIE BACK SWIVEL	3
10.	1	CS03285	PLATE, TIE BACK CLAMP	4
11.	1	CS03333	PIPE, TIE BACK	38
12.	2	C40026072	BOLT ASSEMBLY, 1 ϕ X 2 3/4 A325	3
13.	8	C40140004	BOLT ASSEMBLY, 5/8 ϕ X 8 A307	13
14.	1	C40026033	BOLT ASSEMBLY, 5/8 ϕ X 4 1/2 A325	1
15.	17	C40026024	BOLT ASSEMBLY, 5/8 ϕ X 2 1/4 A325	9
16.	2	C40034183	U-BOLT ASSEMBLY, 1/2 ϕ X 2 15/16 C-C	3
17.	1	Z30992040	MOUNT CLASSIFICATION TAG C10837001C/C10837002C	1
18.	2	C40062103	STAINLESS STEEL SELF-LOCKING CABLE TIE	1
			TOTAL WEIGHT	396

CK00416--INCLUDES (2) ITEM 1
CK00414--STL INCLUDES ITEMS 2 & 11
CK00414--HDW INCLUDES ITEMS 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17 & 18.

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12' THD V-BOOM ASSEMBLY W/TIEBACK
(3' STANDOFF)
W/NO ANTENNA MOUNTING PIPES

		SIZE B	DRAWING NO. C10837001C		REV 4
DATE	05/29/20				
DRAWN BY	WRF			SCALE None	PAGE 1 OF 4
CHECKED BY	EK				



SIDE VIEW

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MOUNTING OPTIONS
 SHOWING MOUNTING PIPE PLACEMENTS

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES				MATERIAL:	
TOLERANCES: FRACTIONS ± 1/16"				TOLERANCES DO NOT APPLY TO RAW MATERIAL	
ANGLES ± 1/2 DEG.					
DECIMALS ± .010"					
4	09/14/20	FJM	DLW	REVISED PACKAGING NOTE (ADDED KIT CK00416)	
3	07/28/20	WRF	EK	REVISED ITEM 2 (WAS CW01455)	
2	07/13/20	KLE	EK	REVISED ITEM 17 (WAS Z30992039)	
1	06/10/20	WRF	EK	REVISED ITEM 1 (CW01454)	
REV	DATE	DRW	CHK	DESCRIPTION	

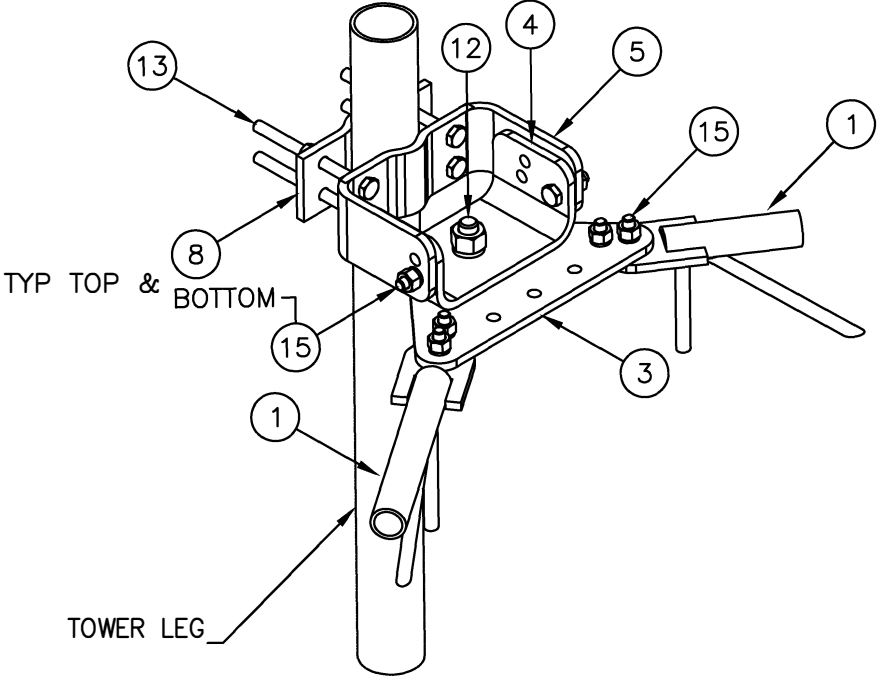
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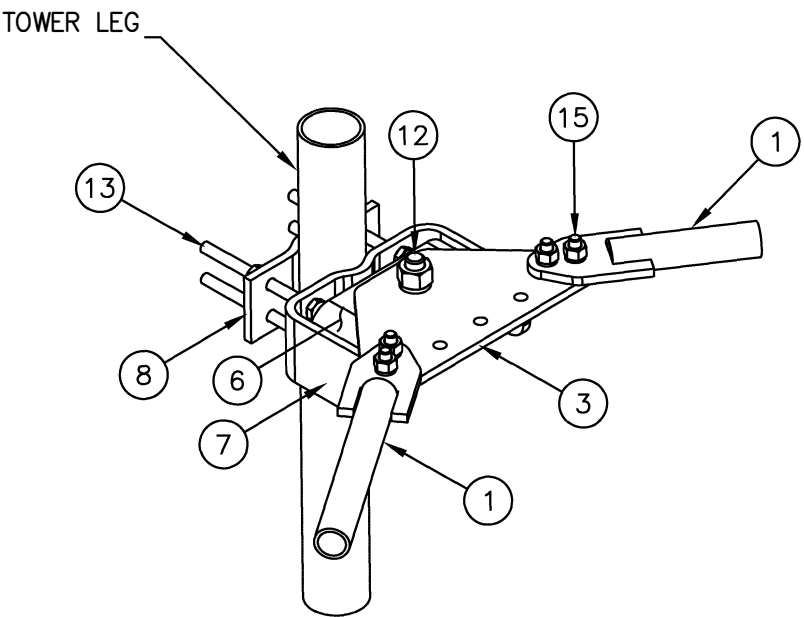
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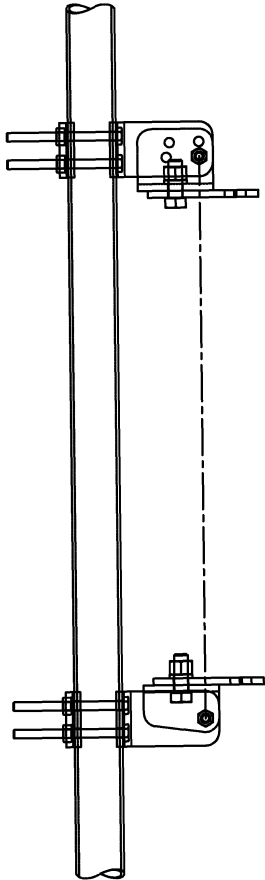
12' THD V-BOOM ASSEMBLY W/TIEBACK (3' STANDOFF) W/NO ANTENNA MOUNTING PIPES					
		SIZE	DRAWING NO.		REV
DATE	05/29/20	B	C10837001C		4
DRAWN BY	WRF			SCALE	PAGE
CHECKED BY	EK			None	2 OF 4



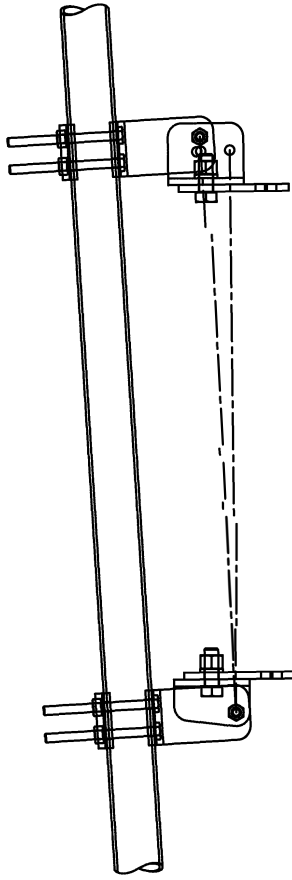
UPPER LEG MOUNTING DETAIL



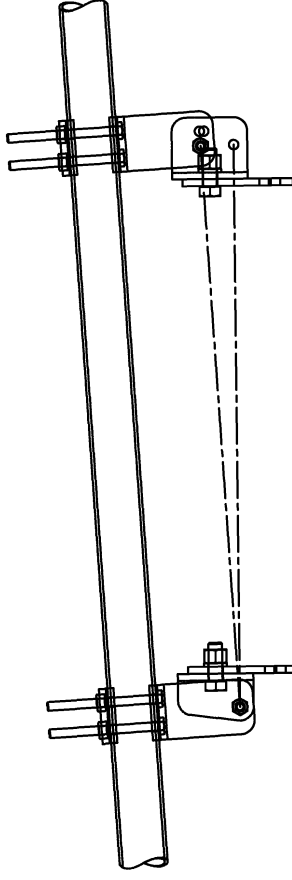
LOWER LEG MOUNTING DETAIL



STRAIGHT
TOWER SECTION

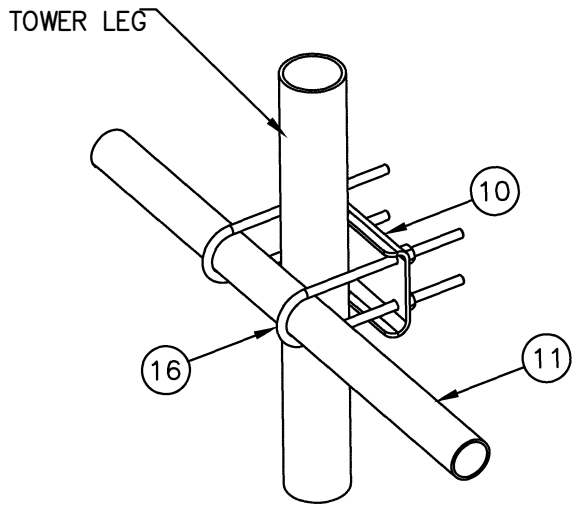


TAPERED
1'-9 IN 20' SLOPE

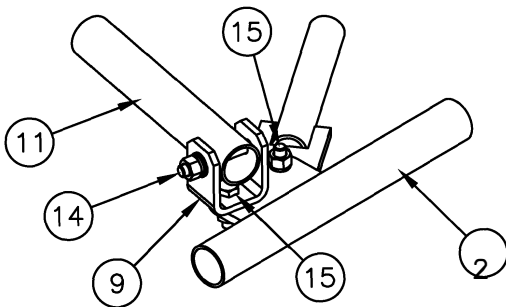


TAPERED
2' IN 20' SLOPE

-----PIVOTING OPTIONS-----



TIE BACK DETAIL
AT TOWER LEG



TIE BACK DETAIL
AT ANTENNA MOUNTING FRAME

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TOLERANCES: FRACTIONS $\pm 1/16"$ ANGLES $\pm 1/2$ DEG. DECIMALS $\pm .010"$		TOLERANCES DO NOT APPLY TO RAW MATERIAL	
REV	DATE	DRW	QHK
4	09/14/20	FJM	DLW
3	07/28/20	WRF	EK
2	07/13/20	KLE	EK
1	06/10/20	WRF	EK



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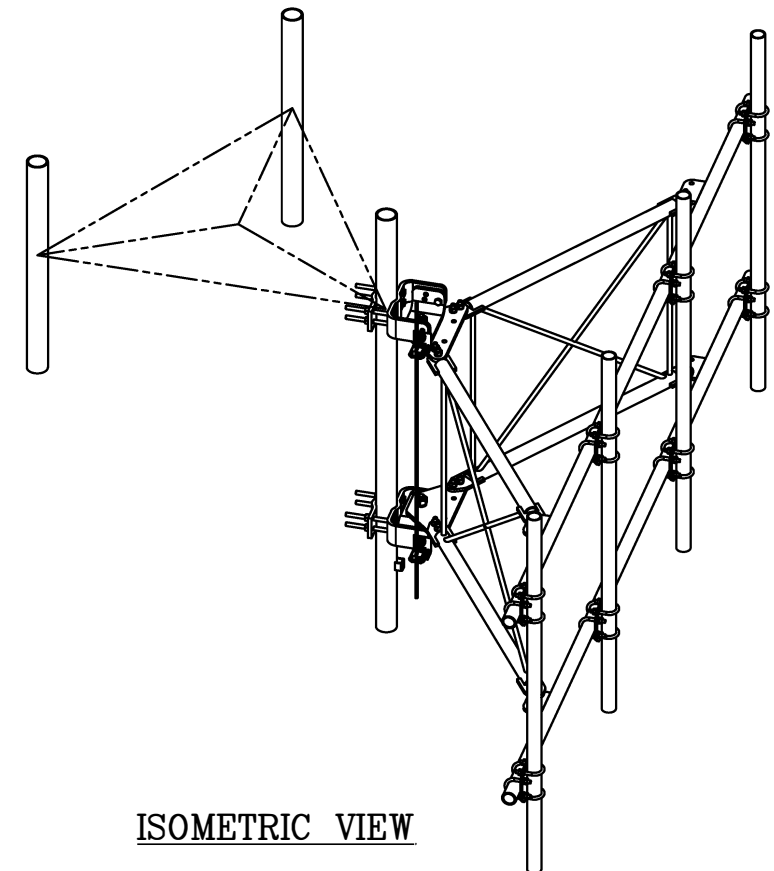
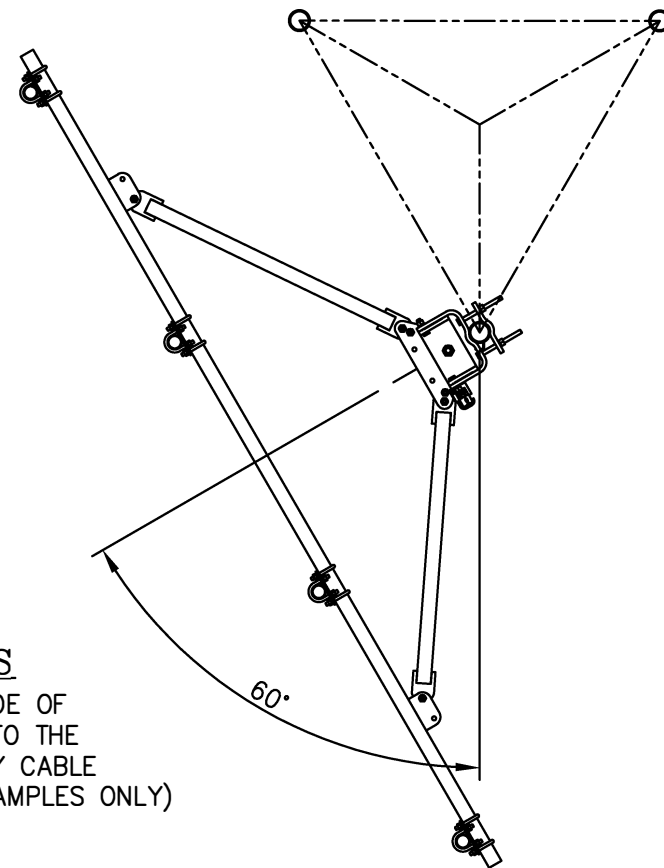
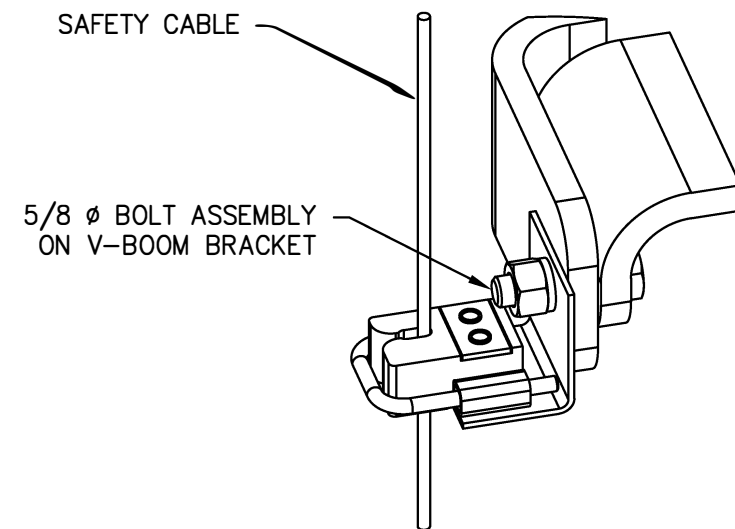
12' THD V-BOOM ASSEMBLY W/TIEBACK (3' STANDOFF) W/NO ANTENNA MOUNTING PIPES			
DATE		05/29/20	
DRAWN BY		WRF	
CHECKED BY		EK	
SIZE	B	DRAWING NO.	C10837001C
SCALE	None	PAGE	3 OF 4
REV	4		

IF REQUIRED PLEASE ORDER PART NUMBER C30017022. THIS KIT WILL COME WITH (2) LOCKING CABLE GUIDES FOR TOP & BOTTOM V-BOOM BRACKETS.

ROTATION
LOCATE CABLE
V-BOOM BRACE
ORIGINAL PATH
(ROTATION DEGREES)

ROTATION OPTIONS

LOCATE CABLE GUIDE ON SIDE OF
V-BOOM BRACKET CLOSEST TO THE
ORIGINAL PATH OF THE SAFETY CABLE
(ROTATION DEGREES SHOWN ARE EXAMPLES ONLY)

ISOMETRIC VIEW

CABLE GUIDE DETAIL

NOTE

OTHER ADDITIONAL CABLE GUIDE SUPPORTS MAY BE REQUIRED ABOVE AND BELOW V-BOOM SO THAT CABLE ALIGNMENT IS WITHIN REQUIRED LIMITS.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES				MATERIAL:				12' THD V-BOOM ASSEMBLY W/TIEBACK (3' STANDOFF) W/NO ANTENNA MOUNTING PIPES			
TOLERANCES: FRACTIONS ± 1/16" ANGLES ± 1/2 DEG. DECIMALS ± .010"				TOLERANCES DO NOT APPLY TO RAW MATERIAL							
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