



STANDARD PARTS FOR TOWER MODIFICATIONS & FIELD REINFORCEMENT



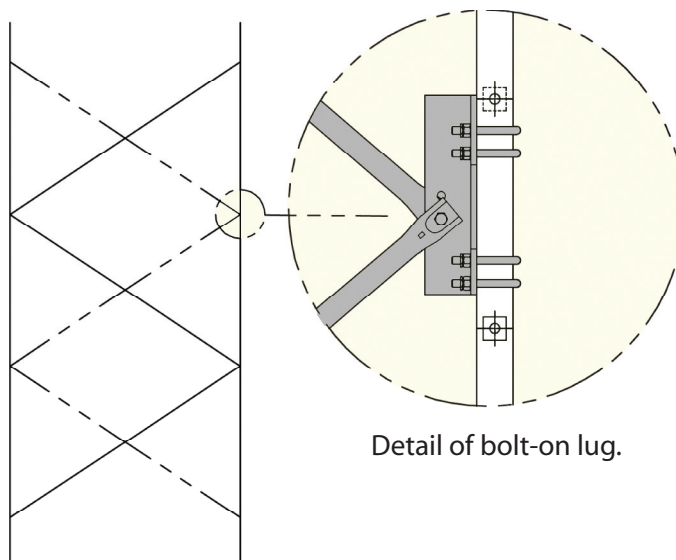
MODIFICATIONS & REINFORCEMENTS

No. 1

The Industry Standard
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GUYED REINFORCEMENTS

STANDARD PARTS AVAILABLE FOR TOWER MODIFICATIONS
AND FIELD REINFORCEMENT

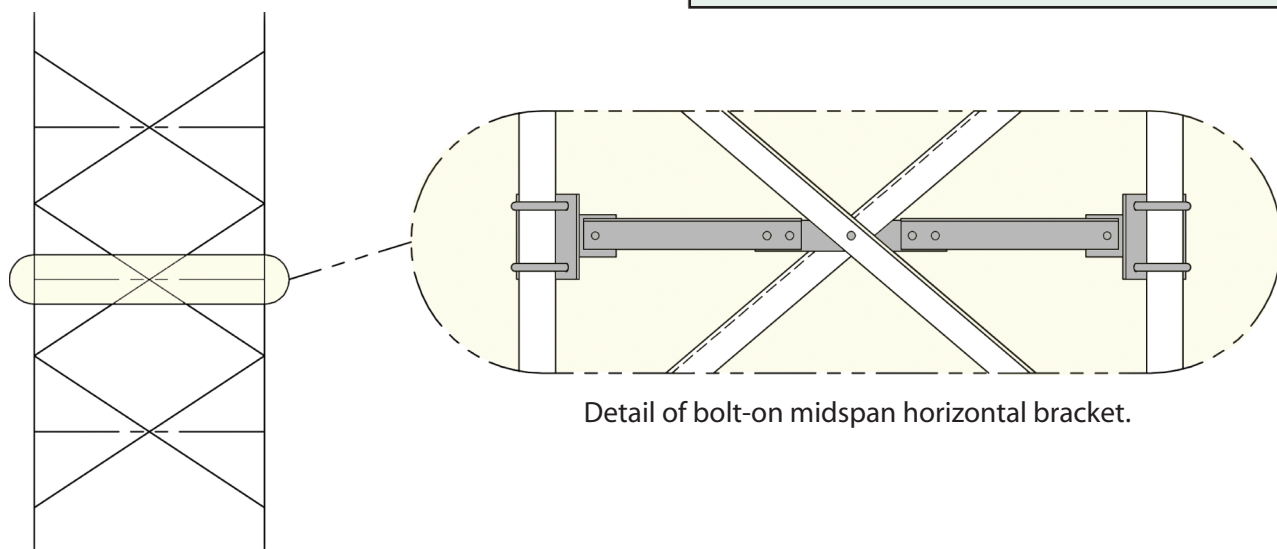


Detail of bolt-on lug.

Case A

For 80 Series towers

Standard and Heavy Duty replacement braces
available for model 80 and model 90 towers.



Detail of bolt-on midspan horizontal bracket.

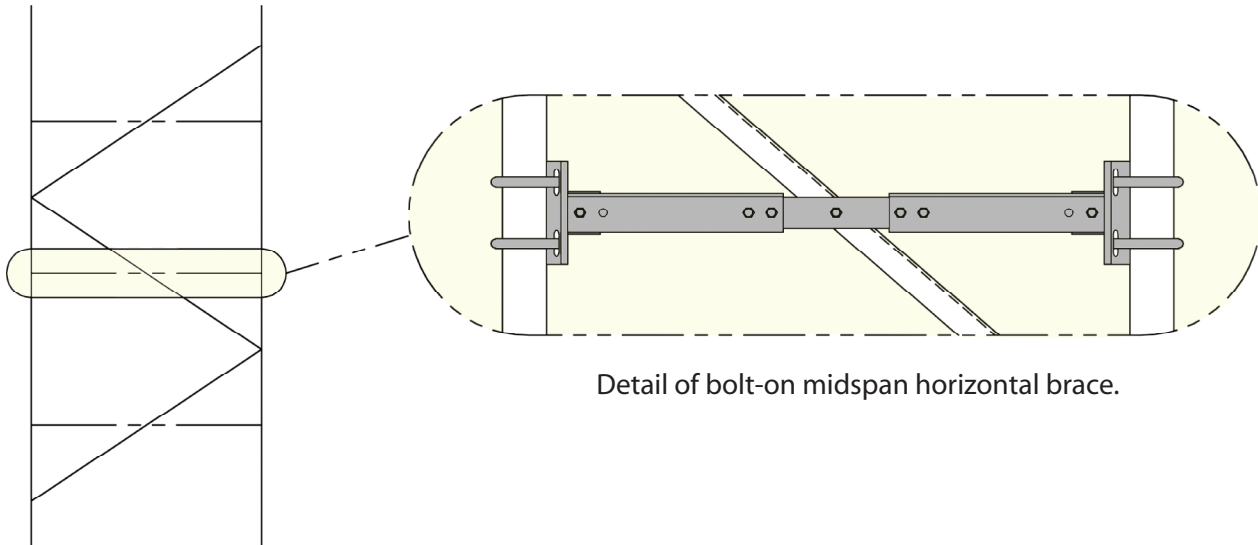
Case B

For 80/90 Series towers

Added braces are shown as a dashed line.

GUYED REINFORCEMENTS

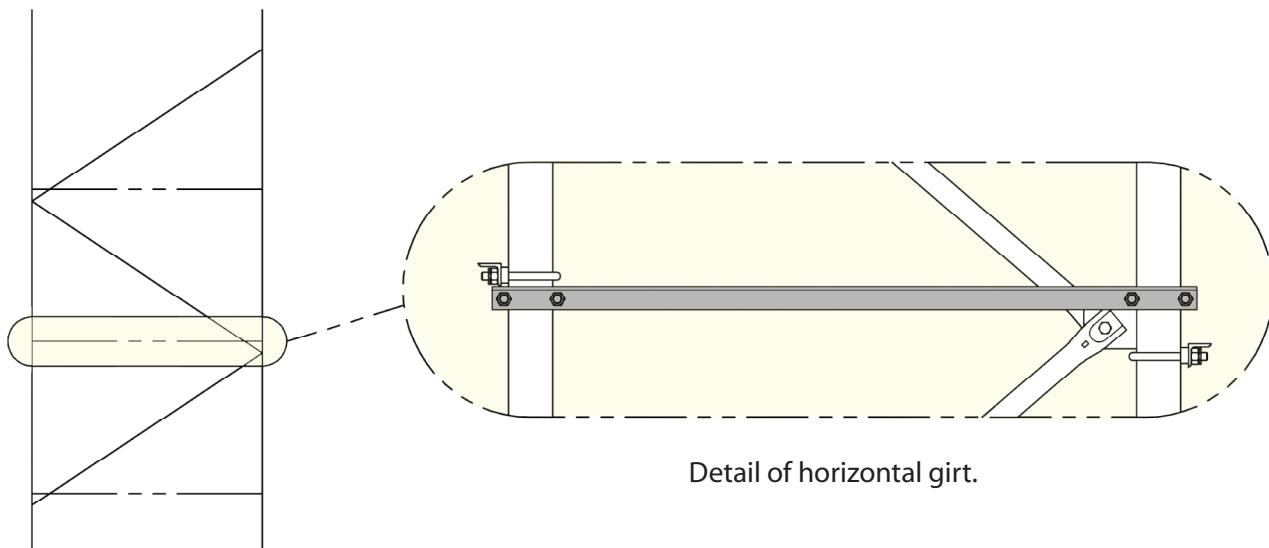
STANDARD PARTS AVAILABLE FOR TOWER MODIFICATIONS
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Detail of bolt-on midspan horizontal brace.

Case C

For 80 Series towers



Detail of horizontal girt.

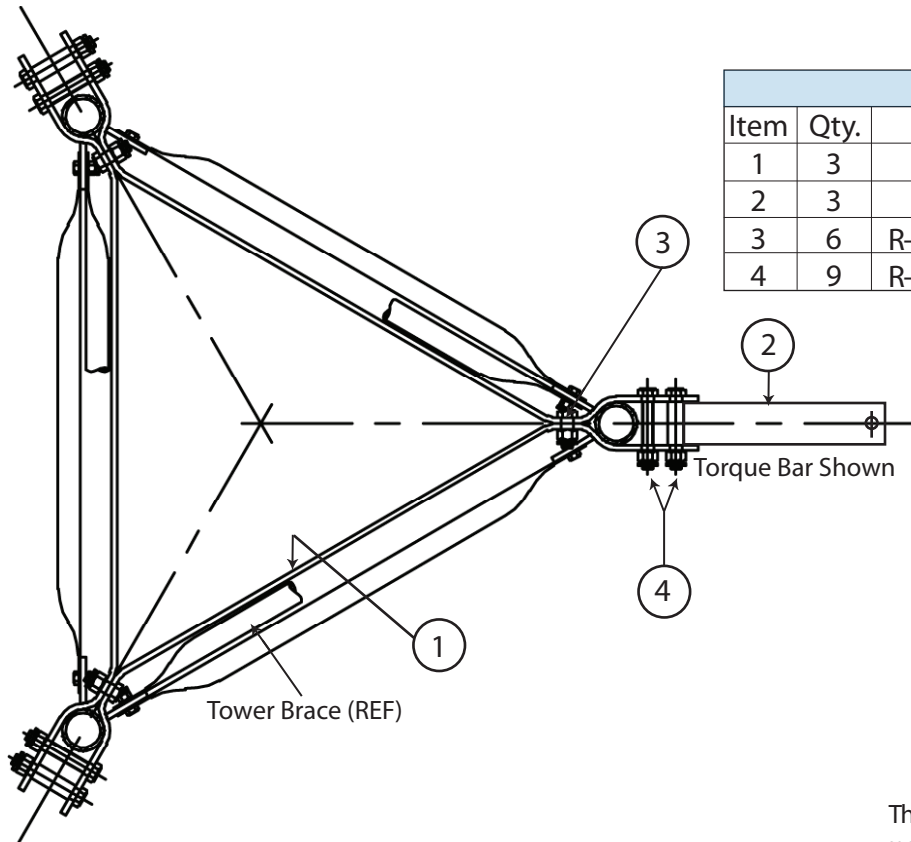
Case D

For 80 Series towers

Added braces are shown as a dashed line.

ROHN MODEL 80 GUYED TOWER

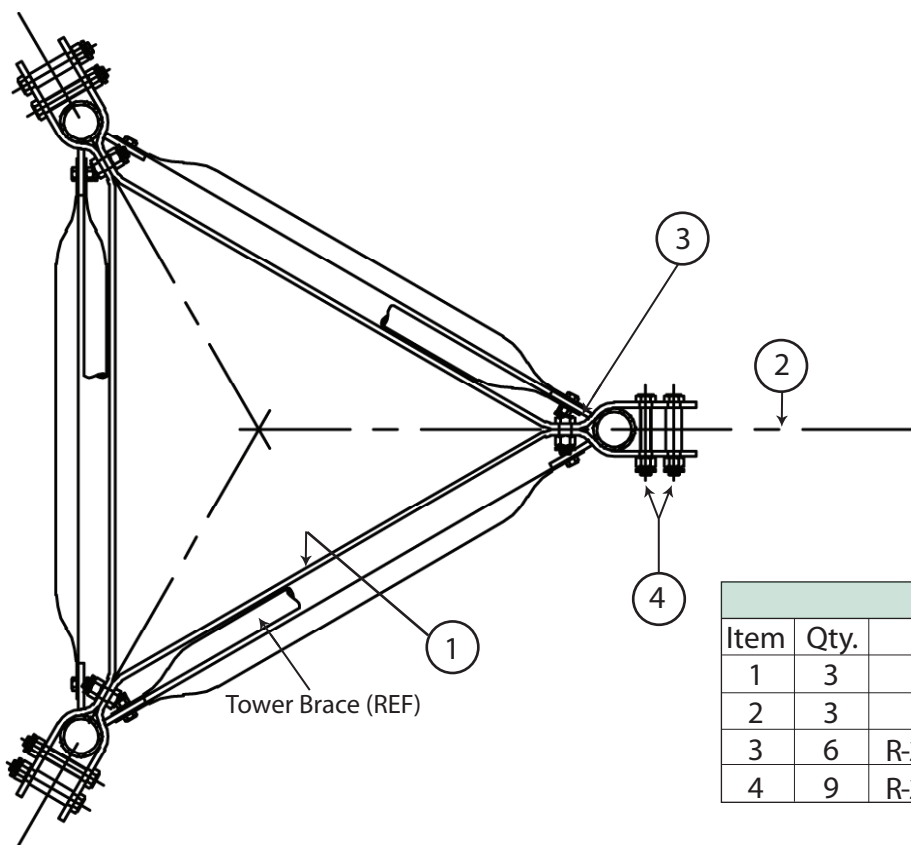
STANDARD GUYING BRACKETS FOR 83 & 84 SECTIONS



GA80 Bill of Material

Item	Qty.	Part No.	Description
1	3	R-KC143	Bar Flat Bracket Guy .38x4.5x4.5'
2	3	R-KC145	Bar Flat TA 2.75x.38x1.82'
3	6	R-210047GA	Bolt Assembly 3/4x2 HSB A325
4	9	R-210058GA	Bolt Assembly 3/4x5 HSB A325

These guy brackets are designed for 5/8" EHS maximum guy wire at 80% guy radius. For use on ROHN Model 80 tower only.

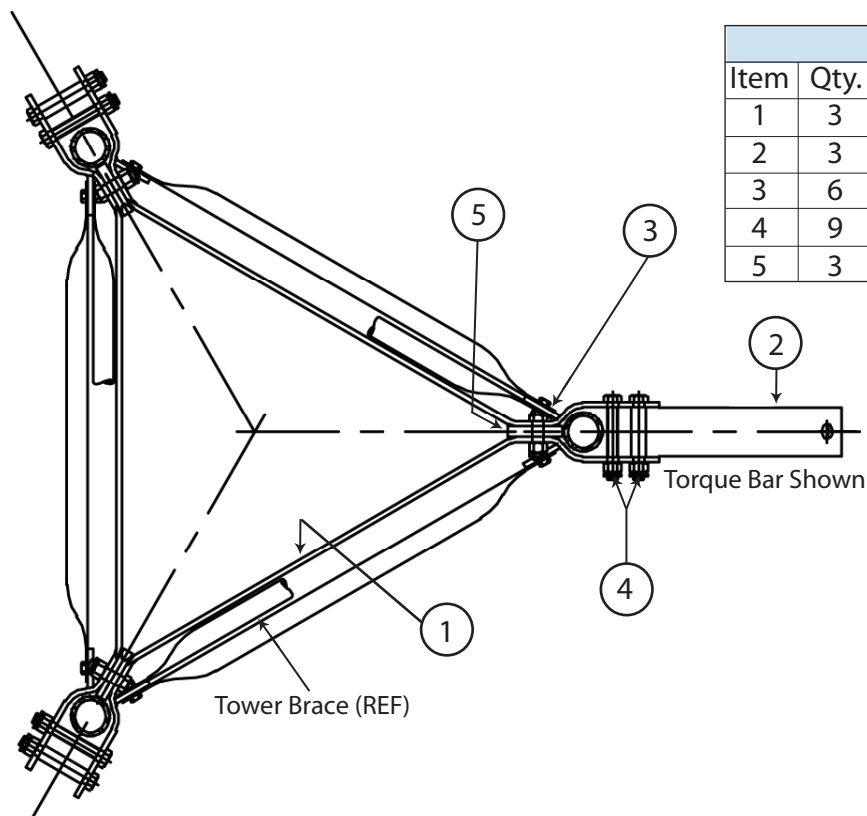


GB80 Bill of Material

Item	Qty.	Part No.	Description
1	3	R-KC143	Bar Flat Bracket Guy .38x4.5x4.5'
2	3	R-KC438	Pipe .65STDx2.88" HDG
3	6	R-210047GA	Bolt Assembly 3/4x2 HSB A325
4	9	R-210058GA	Bolt Assembly 3/4x5 HSB A325

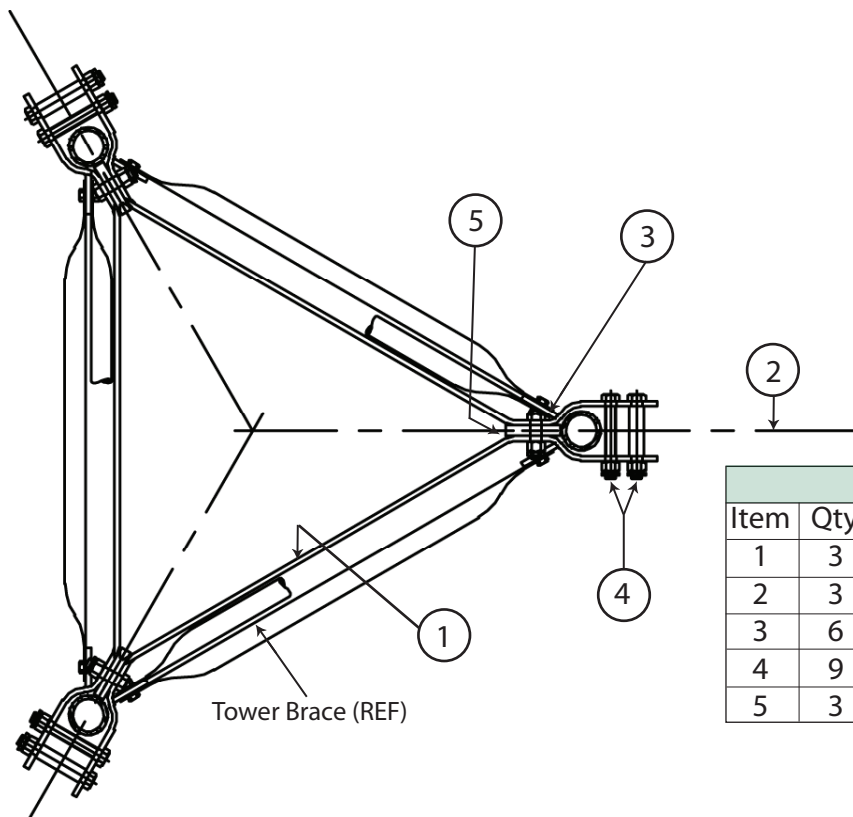
ROHN MODEL 80 GUYED TOWER

STANDARD GUYING BRACKETS FOR 85 SECTIONS



GA85 Bill of Material			
Item	Qty.	Part No.	Description
1	3	R-KC144	Bar Flat Bracket Guy .38x5x4.5'
2	3	R-KC465	Bar Flat TA .38x3.5x1.83'
3	6	R-210050GA	Bolt Assembly 3/4x2-3/4 HSB A325
4	9	R-210059GA	Bolt Assembly 3/4x5-1/2 HSB A325
5	3	R-KC441	Spacer Bracket Guy .63x3.13x4.5"

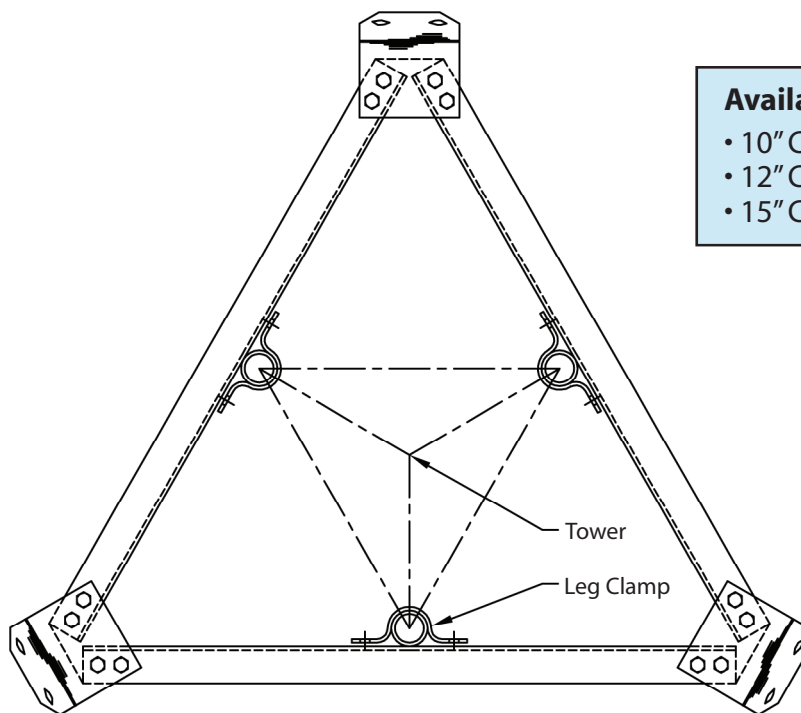
These guy brackets are designed for 5/8" EHS maximum guy wire at 80% guy radius. For use on ROHN Model 80 tower only.



GB85 Bill of Material			
Item	Qty.	Part No.	Description
1	3	R-KC144	Bar Flat Bracket Guy .38x5x4.5'
2	3	R-KC439	Pipe .75STDx3.5" LG HDG
3	6	R-210050GA	Bolt Assembly 3/4x2-3/4 HSB A325
4	9	R-210059GA	Bolt Assembly 3/4x5-1/2 HSB A325
5	3	R-KC441	Spacer Bracket Guy .63x3.13x4.5"

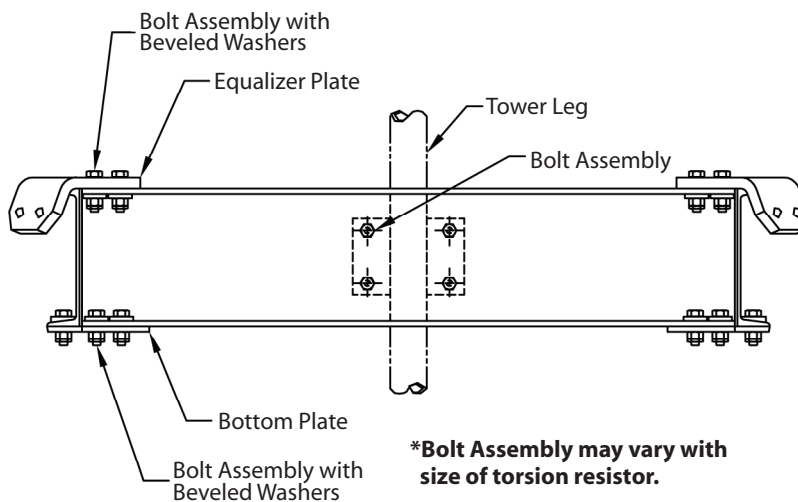
TORSION RESISTOR

CHANNEL ASSEMBLY FOR 80 TOWERS



Available Sizes:

- 10" Channel (C10x15.3)
- 12" Channel (C12x20.7)
- 15" Channel (C15x33.9)



NOTE: Torsion resistor leg clamp must bear on brace clip above flange plate.

ROHN MODEL 80 GUYED TOWER

GUY WIRE & HARDWARE CHART

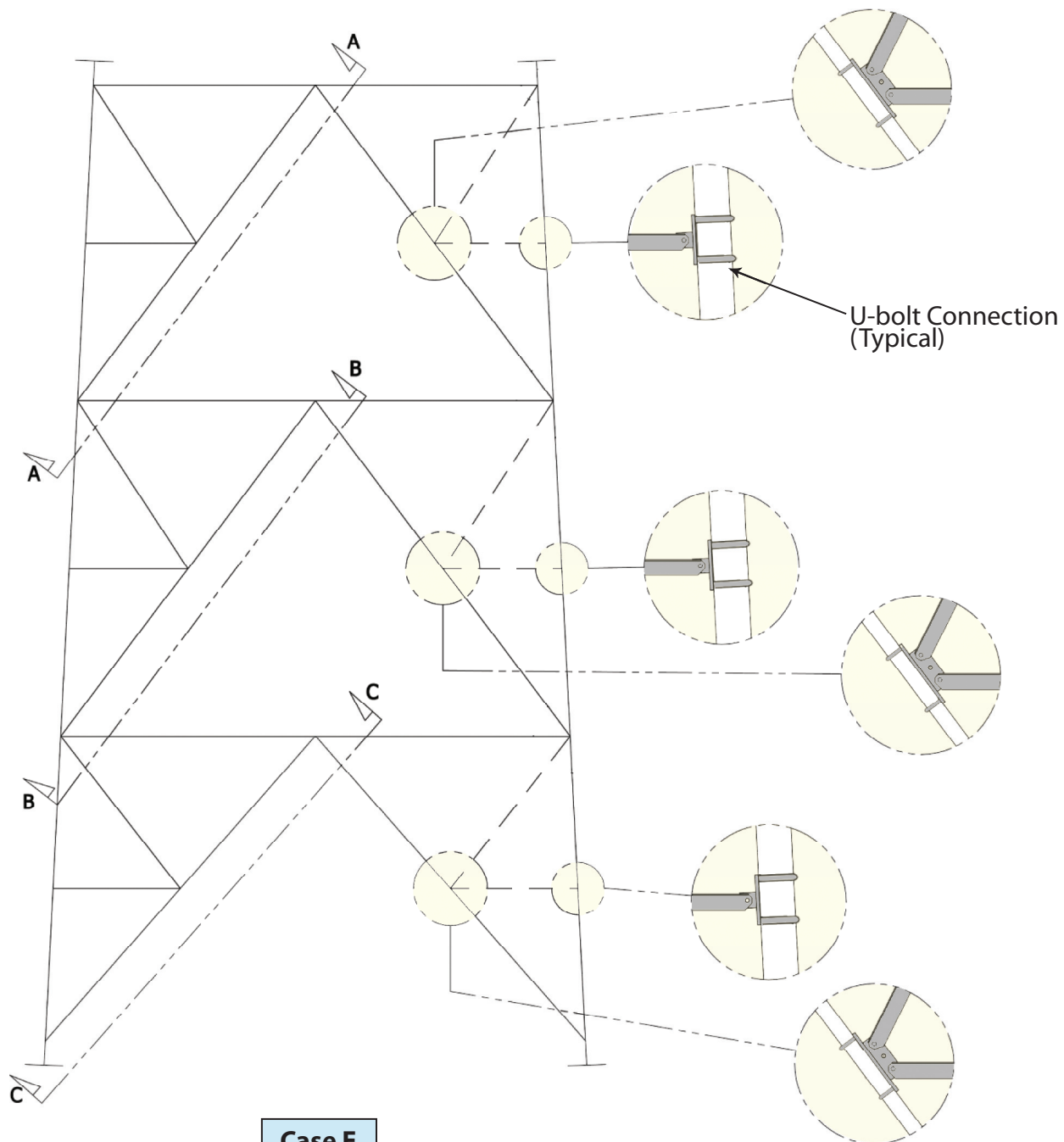
GUY WIRE SIZE & TYPE	ULTIMATE STRENGTH (LBS)	WORKING STRENGTH (LBS)*	MIN. SIZE TURN- BUCKLE	TURN- BUCKLE SAFE LOAD	ANCHOR RODS SHOWN BELOW ARE RODS THAT CAN BE USED WITH THE MINIMUM TURNBUCKLE SIZES. (CHECK EQUALIZER HEAD THICKNESS AND HOLE DIAMETER ON SPECIAL "KA" ANCHORS FOR PROPER TURNBUCKLE SIZE)							SHACKLE SIZE REQ'D	THIMBLES FOR BIG GRIP (HVV)	BIG GRIP (IN) P/N	GROUNDING CLAMPS W/ NO. 4 SOLID (MAX)
					5/8" ROD	3/16" THICK 2 PLATES	3/8" THK	1/2" THK	3/4" THK	1" THK	1" THK				
3/16EHS*	3990	1995	3/8	3000		GAC305 GAC303						3/8	5/16	3/16 BG2142	340028
1/4EHS	6650	3325	1/2	5500	GAR30	GAC305 GAC303	GAC34					1/2*	3/8	1/4 BG2144	
5/16EHS	11200	5600	5/8	8750	GAR30	GAC305 GAC303	GAC34	GAC56				1/2*	7/16	5/16 BG2146	
3/8EHS*	15400	7700	5/8	8750	GAR30		GAC34	GAC56				5/8	1/2	3/8 BG2147	
7/16EHS	20800	10400	3/4	13000	GAR30		GAC34	GAC56	GAC57			5/8	9/16	7/16 BG2148	
1/2EHS	26900	13450	7/8	18000				GAC56	GAC57			3/4	5/8	1/2 BG2115	
9/16EHS	35000	17500	7/8	18000				GAC56	GAC57			3/4	5/8	9/16 BG2116	340029
5/8EHS	42400	21200	1	25000					GAC57	GAC58	GAC59	7/8	3/4	5/8 BG2111	
3/4EHS	58300	29150	1-1/4	38000						GAC58	GAC59	1	7/8	3/4 BG2112	
7/8EHS	79700	39850	1-1/2	53500	AS REQUIRED							1-1/8	1	7/8 BGMS7023	SSC25/875
1BS	122000	61000	1-3/4	70000	AS REQUIRED							1-1/4	-	RK0516	
1BGSBG	104500	52250	1-1/2	53500	AS REQUIRED							1-1/4	1-1/4	BGMS7047	

NOTES:

- * Replace 1/2" shackles with 5/8" shackles when using channel torque arms for 25G, 45G, 55G and 65G towers.
- Factor of safety = 2.0

SELF-SUPPORTING REINFORCEMENTS

STANDARD PARTS AVAILABLE FOR TOWER MODIFICATIONS
AND FIELD REINFORCEMENT

**Case E**

For SSMW towers

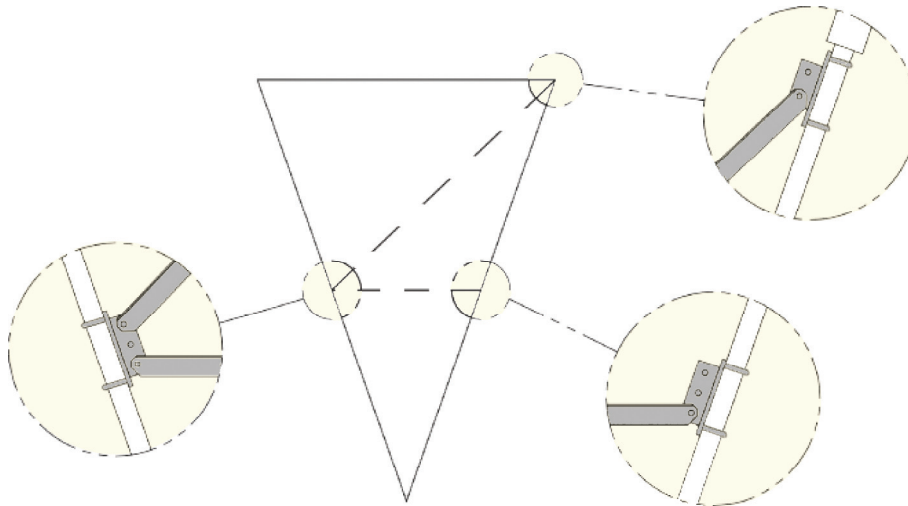
Added braces are shown as a dashed line.

SELF-SUPPORTING REINFORCEMENTS

STANDARD PARTS AVAILABLE FOR TOWER MODIFICATIONS
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Case E

INTERNAL TOWER VIEW

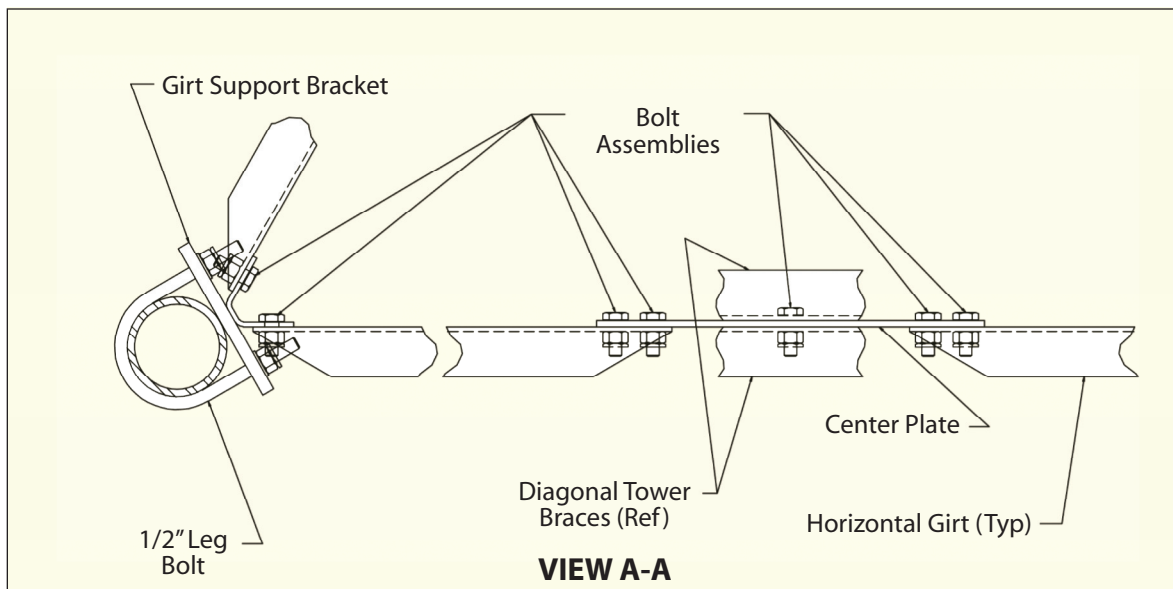
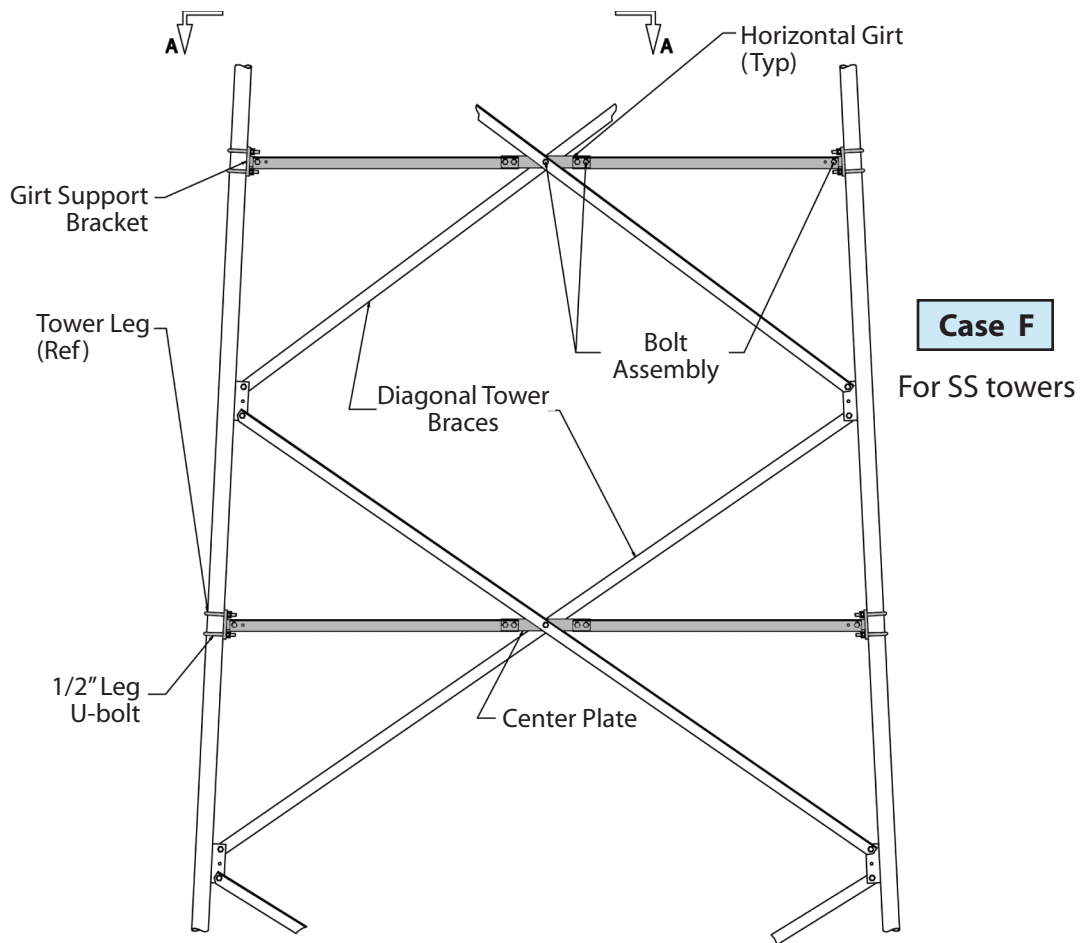


Views:
A-A
B-B
C-C
(Page 7)

Bolt-on lugs are available for all
SSMW legs and internal braces.

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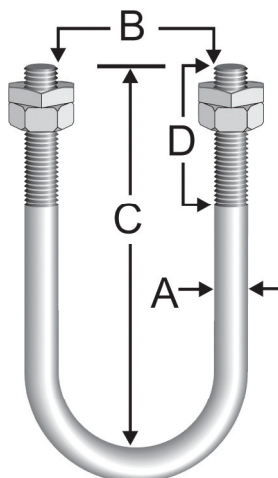
PARTS & ACCESSORIES

U-BOLT ASSEMBLIES

Round Bend U-Bolt Assemblies - Hot Dip Galvanized

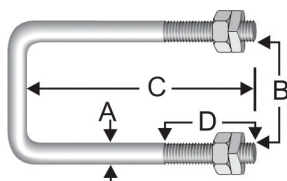
How to Measure U-Bolts

- A** - Diameter of thread
B - Width of opening
C - Depth of opening
D - Length of threaded area



Assembly includes bolt, hex nuts and pal nuts.

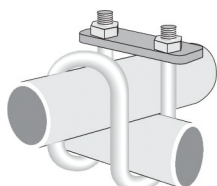
Description				Part No.	Weight
A	B	C	D		
5/16	1-1/2	2	1-1/4	JR55A	14/100
5/16	1-1/2	2-5/8	1-1/4	JR51A	15/100
5/16	1-11/16	2-1/4	1	JR54A	15/100
3/8	13/16	1-5/8	7/8	JR69A	21/100
3/8	1	2-1/4	1-1/4	JR67A	23/100
3/8	1-1/4	2-3/4	1-5/8	JR66A	31/100
3/8	1-1/2	3	1-3/4	JR65A	29/100
3/8	2-1/8	3	1-1/4	JR68A	31/100
3/8	2-1/2	3-1/2	1-1/2	JR61A	33/100
3/8	2-1/2	4	2	JR60A	35/100
3/8	3-1/2	4-5/8	1-5/8	JR64A	41/100
3/8	4	6	2-1/4	JR62A	42/100
3/8	4-1/2	6-1/2	2-1/4	JR63A	52/100
1/2	3/4	3-1/2	2-1/2	JR81	42/100
1/2	2	3-3/4	1-3/4	JR810A	63/100
1/2	2-1/4	4-1/2	2-1/4	JR82A	71/100
1/2	2-1/2	4-1/2	2-1/2	JR83A	71/100
1/2	3	4-1/8	1-1/2	JR84SA	73/100
1/2	3	5-5/8	3	JR84A	84/100
1/2	3-1/2	6	3	JR88A	88/100
1/2	4	6-1/2	3-1/2	JR89A	98/100
1/2	4-1/2	6	2-1/4	JR85A	91/100
1/2	5-5/8	8	3-1/4	JR86A	114/100
1/2	6-3/4	9	3-1/4	JR87A	127/100
1/2	8-3/4	11-1/8	2-1/2	JR90SA	188/100
1/2	10-7/8	13	2-1/2	JR110A	198/100
1/2	12-7/8	15	2-1/2	JR120A	243/100
3/4	3	5-3/4	3	JR121A	199/100
3/4	3-1/2	6-1/4	2-3/4	JR122A	263/100
3/4	4	6-3/4	2-1/2	JR123A	284/100
3/4	4-1/2	7-1/4	2-1/2	JR124A	280/100
3/4	5-5/8	8-5/16	2-1/2	JR125A	318/100
3/4	6-3/4	10	3-1/2	JR126STA	390/100
3/4	8-3/4	11-3/8	2-1/2	JR128A	424/100
3/4	10-7/8	13-3/8	2-5/8	JR1210A	517/100
3/4	12-3/4	15	2-1/2	JR1212A	591/100



Assembly includes bolt, hex nuts and pal nuts.

Square Bend U-Bolt Assemblies - Hot Dip Galvanized

Description				Part Number	Weight
A	B	C	D		
1/2	3-1/4	4-3/8	1-1/4	JR811A	73/100
1/2	4-1/4	5-5/16	1-1/4	JR812A	87/100
1/2	4-1/4	5-13/16	1-3/4	JR812LA	91/100
1/2	6-1/4	7-13/16	1-3/4	JR815A	120/100
3/4	6-1/4	8-1/2	2-1/2	JR12685SQA	277/100



Assembly includes backing plate, hex nuts and pal nuts.

Double Bend U-Bolt Assemblies - Hot Dip Galvanized

Description	Part Number	Weight
5/16" (-18THD) (for 1-1/4" to 1-1/4" tubing)	TB5125BA	54/100



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