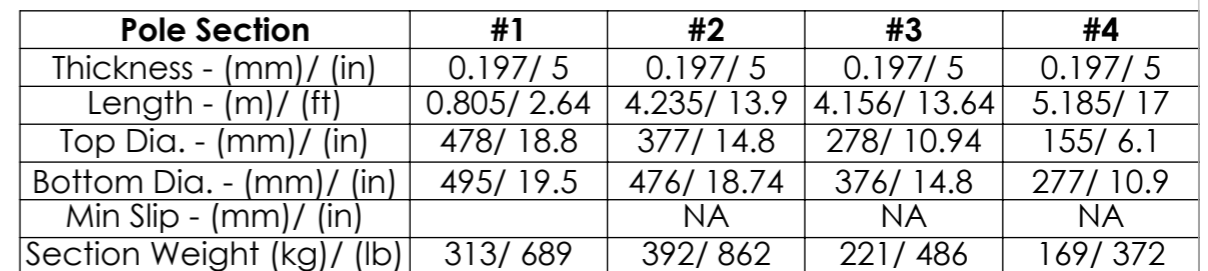


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	initial release	4/7/21	MGC
B			

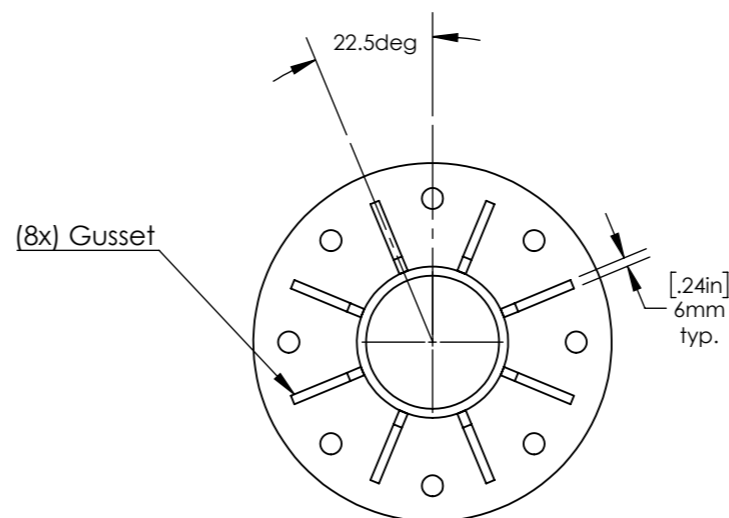


15.6m 4SF Hyd
AFS400



CAD file :
Details and dimensions
not shown on this drawing
can be found in CAD file.

scale NA rev. A size NA sheet 1 of 5

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	initial release	4/7/21	MGC
B			



- | Pole Section | #5 |
|---------------------------|-----------|
| Thickness - (mm)/ (in) | 0.197/ 6 |
| Length - (m)/ (ft) | 3/ 10 |
| Top Dia. - (mm)/ (in) | 100/ 4 |
| Bottom Dia. - (mm)/ (in) | 100/ 4 |
| Min Slip - (mm)/ (in) | NA |
| Section Weight (kg)/ (lb) | 48/ 106 |

<p>CAD-generated drawing do not manually update</p>		 <p>1041 Grand Ave., #213 St. Paul, MN 55105 (651) 330-1263 www.aretelcom.com</p>	
<p>Total Weight Pole-48 kg (106 lb)</p> <p>Does not include fasteners</p>	<p>APPROVALS</p>		<p>DATE</p>
	<p>DRAWN</p>	<p>MGC</p>	<p>4/7/21</p>
	<p>CHECKED</p>		
	<p>RESP ENG</p>		
<p>MATERIAL See Notes</p>	<p>MFG ENG</p>		<p>CAD file :</p>
<p>FINISH See Notes</p>	<p>scale NA rev. A size NA sheet 2 of 5</p>		<p>Details and dimensions not shown on this drawing can be found in CAD file.</p> 
<p>DO NOT SCALE DRAWING</p>		<p>QUAL ENG</p>	

1

2

3

4

5

6

7

8

Proprietary rights are included in the information disclosed herein. This information is submitted in confidence and neither the document nor the information disclosed here-in shall be reproduced or transferred to other documents for manufacturing or for any other purpose except as specifically authorized in writing by ARE Telecom & Wind.

REV.

DESCRIPTION

DATE

APPROVED

A

initial release

4/7/21

MGC

B

Notes:

1.

All plate material shall have a minimum yield strength of 355 MPa (50 ksi)

2.

All right angles shall be Q355 (ASTM A572 Gr 50) or equivalent

3.

All welding shall conform to the minimum requirements of AWS D1.1

4.

All welding shall be done by welders qualified under AWS specifications, using E70XX, low hydrogen electrodes

5.

All components shall Hot Dip Galvanized in accordance with ASTM A123

6.

Debur all sharp edges

AFS400 Bill of Materials

#	DESCRIPTION	QTY.	Weight (kg/ lbs)
1	Corner Bracket	6	3.83/ 8.43
2	Upper/ Lower Chord	24	8.44/ 18.57
3	Sidewall	6	77.52/ 170.54
4	Kingpost	1	272.53/ 599.57
5	Vertical Web	6	6.88/ 15.14
6	Diagonal Web	12	3.34/ 7.35
7	Ballast Tray	6	75.25/ 165.55
8	Ballast Plate	6	30.67/ 67.5
9	Truss Heel Plate	6	25.08/ 55.2

Ballast Requirements:

- Ballast Volume = 10 cu-m (13 cu-yds, 351 cu-ft)
- Unit Weight
 - cu-ft = 45.45 kg (100 lbs)
 - cu-yd = 1227.3 kg (2700 lbs)
 - cu-m = 1605.5 kg (3532 lbs)

AFS350 Bolts, Nuts & Washers (other equivalent grades acceptable)

#	Unit	Bolt Size	Length	Width Across Flats	Thread Length	Grade	Coating	Nut Qty.	Washer Qty.	Bolt Qty.
10	Metric	M12x1.75	45mm	18mm	Full Thread	8.8	Hot Dip Galv.	96	192	96
10	Imperial	1/2-13	1 3/4"	7/8"	Full Thread	A325	Hot Dip Galv.	96	192	96
11	Metric	M16x2	60mm	24mm	Full Thread	8.8	Hot Dip Galv.	174	348	174
11	Imperial	5/8-11	2 3/8"	1"	Full Thread	A325	Hot Dip Galv.	174	348	174
12	Metric	M36x2.5	225mm	55mm	190mm	8.8	Hot Dip Galv.	36	48	12
12	Imperial	1 1/2-6	9"	2 3/16"	7.5"	A325	Hot Dip Galv.	36	48	12

CAD-generated drawing do not manually update

Does not include anchor bolts, templates or flange bolts

APPROVALS

DRAWN MGC

CHECKED

RESP ENG

MFG ENG

QUAL ENG

DATE

4/7/21

ARE Telecom

1041 Grand Ave., #213 St. Paul, MN 55105 (651) 330-1263 www.aretelcom.com

AFS400 BOM

CAD file : Details and dimensions not shown on this drawing can be found in CAD file

scale NA rev. A size NA 3 of 5

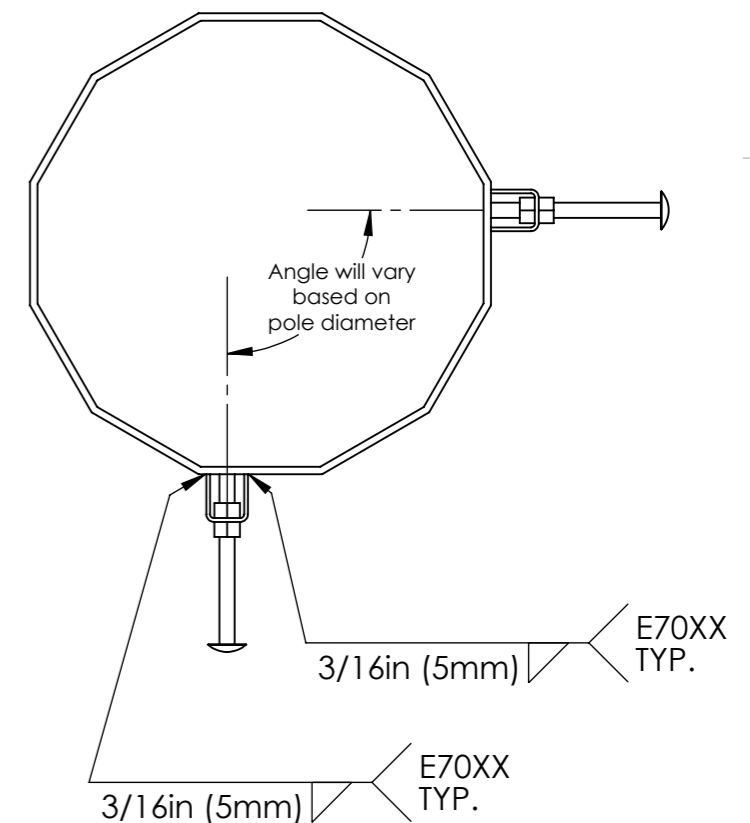
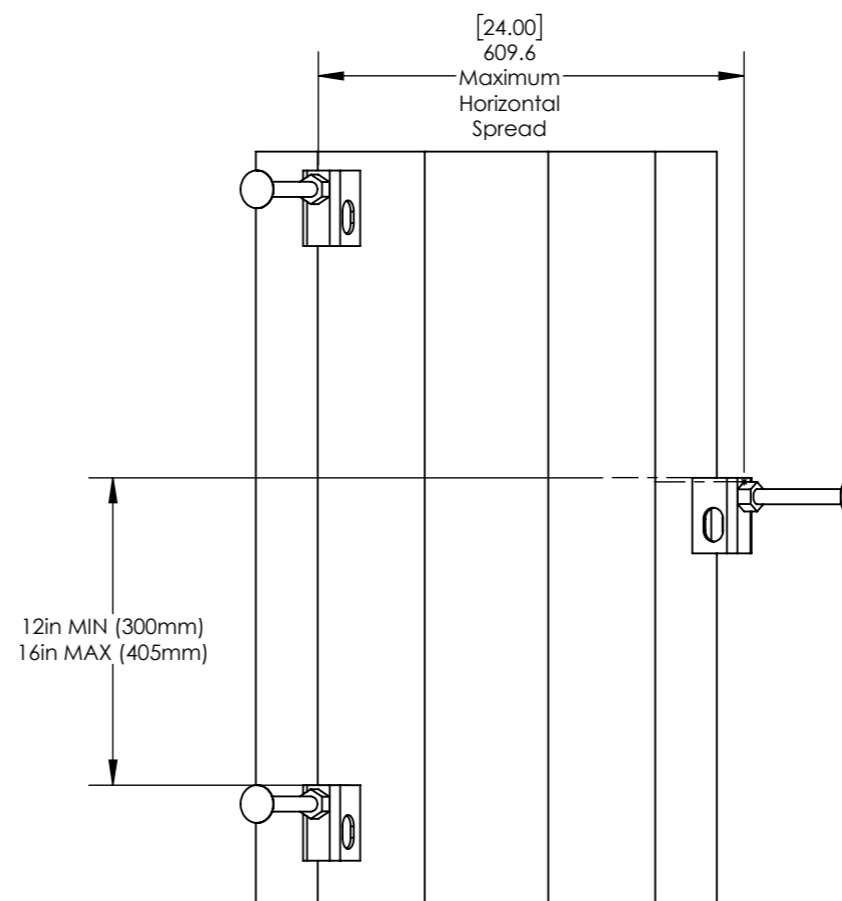
F

A schematic diagram of a mechanical assembly. It features a vertical rectangular block on the left with a large oval-shaped hole. A horizontal shaft passes through the block. A cylindrical component is mounted on the shaft to the right of the block. Three numbered callouts with arrows point to specific parts: (1) points to the vertical block, (2) points to the horizontal shaft, and (3) points to the cylindrical component. Dashed lines indicate internal features or alignment within the block.

Technical drawing of a U-shaped bracket. The front view shows a U-shaped profile with the following dimensions:



- Top flange width: $[2.17\text{in}]$ 55mm
- Vertical leg height: $[2.48\text{in}]$ 63mm
- Bottom flange width: $[.20\text{in}]$ 5mm
- Bottom flange thickness: $[.20\text{in}]$ R5mm typ.

An isometric view of the bracket is shown to the right, highlighting its three-dimensional structure and the circular hole in the vertical leg.



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	initial release	10/12/20	MGC
B	Revised BOM bolt length to 225mm	11/2/20	MGC

1. Outside nut shall be turned to end of step bolt threads prior to installation.
2. Step bolt shall be turned through inside nut until bolt makes snug contact with pole.
3. Outside nut shall be snugged against clip then tightened 1/4 to 1/2 turn to achieve proper step bolt preload.

<p>CAD-generated drawing do not manually update</p>				<p>1041 Grand Ave., #213 St. Paul, MN 55105 (651) 330-1263 www.aretelcom.com</p>	
		<p>Step Bolt/ Clip</p>			
<p>Total Weight 3.1 lbs (1.41 kg)</p>		<p>APPROVALS</p>		<p>DATE</p>	
		<p>DRAWN MGC</p>		<p>10/12/20</p>	
		<p>CHECKED</p>			
		<p>RESP ENG</p>			
<p>MATERIAL See Notes</p>		<p>MFG ENG</p>			
<p>FINISH See Notes</p>					
<p>DO NOT SCALE DRAWING</p>		<p>QUAL ENG</p>			
				<p>CAD file :</p>	
				<p>Details and dimensions not shown on this drawing can be found in CAD file.</p>	
					
		<p>scale NA</p>		<p>rev. B size NA sheet 4 of 5</p>	

