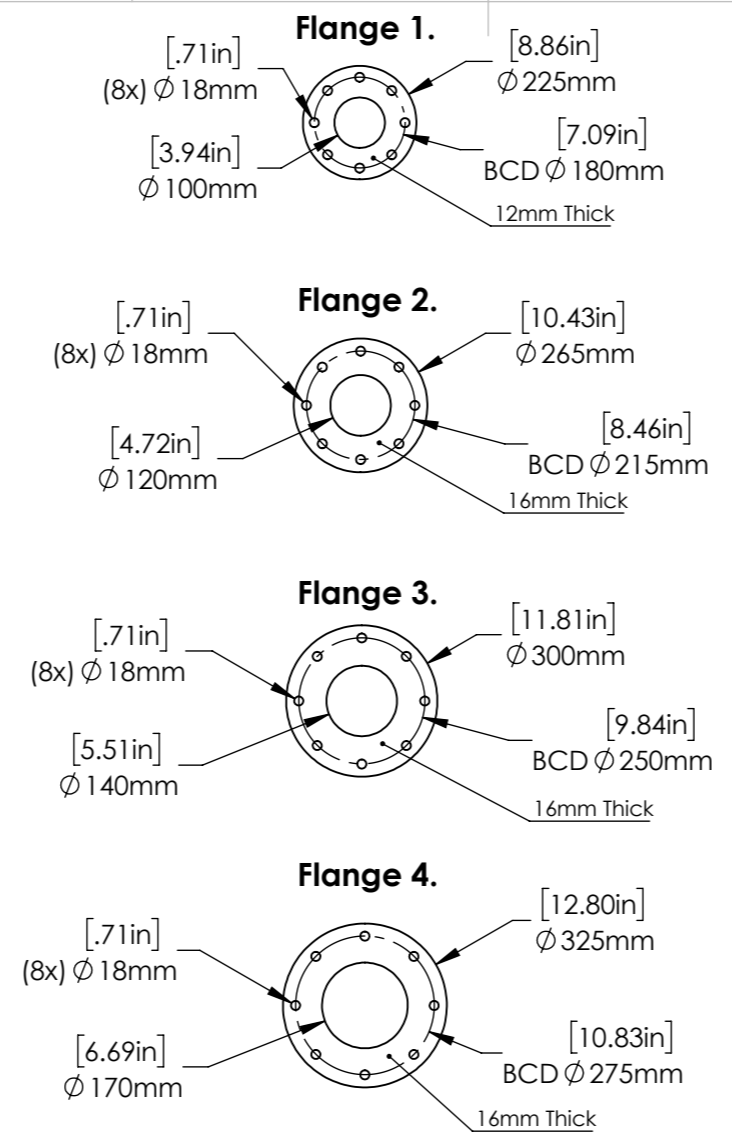
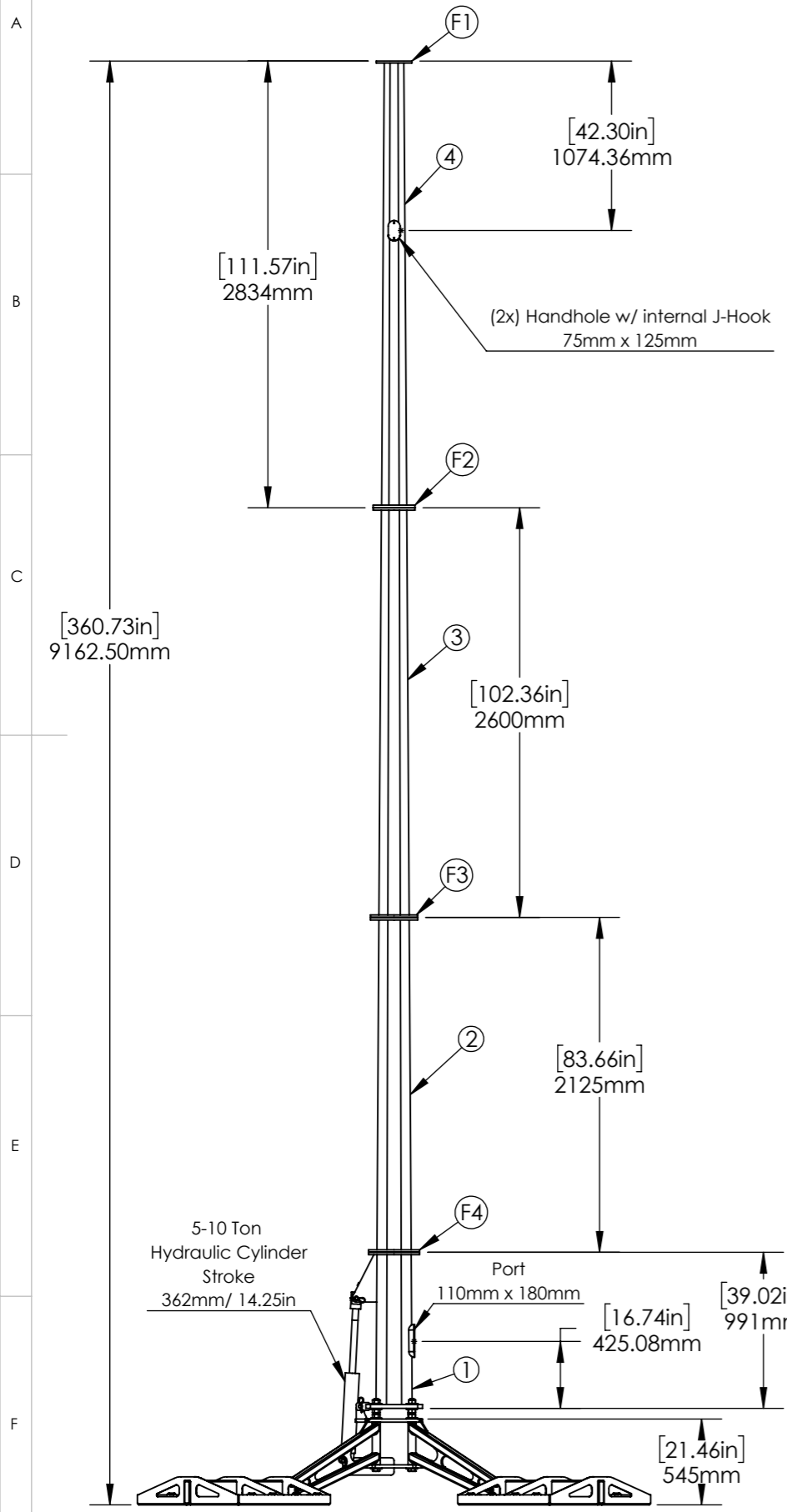


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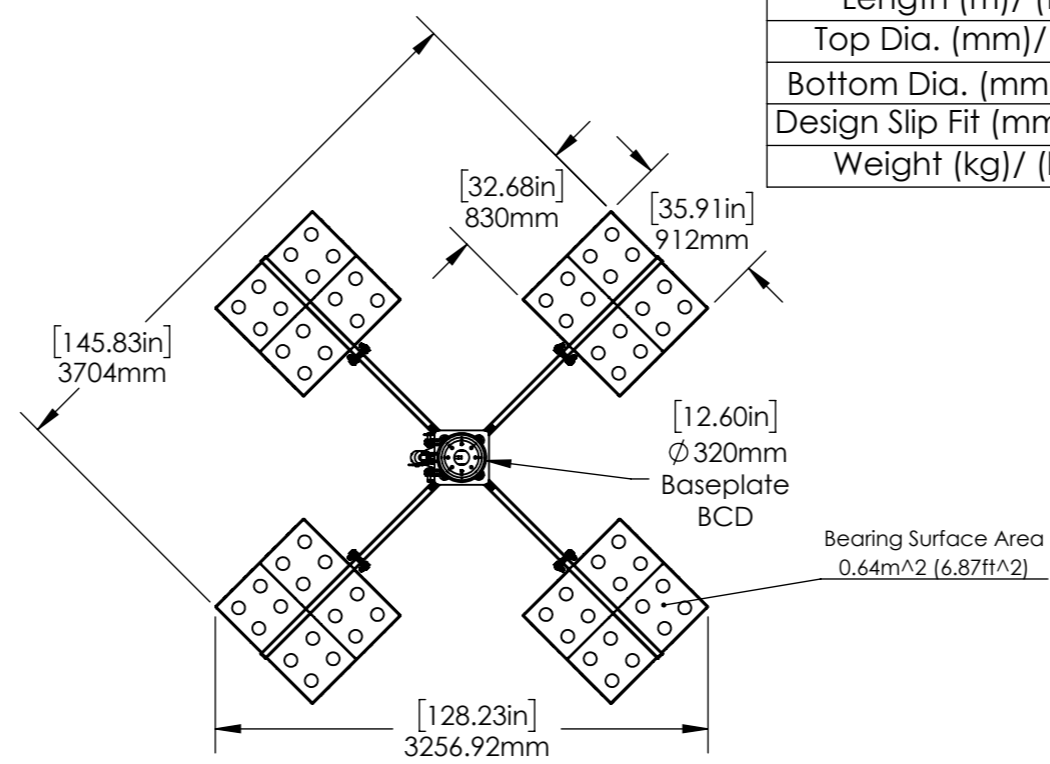
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	initial release	2/18/21	MGC
B			



- Survival Wind Speed: Per Code
 - Class - Per Code
 - Topo - Per Code
 - Exposure - Per Code
- Design and Welding Codes:
 - TIA-222-G
 - AWS D1.1
- Material
 - Pole: Q355 (ASTM A572 GR50)
 - Baseplate: Q355 (ASTM A572 GR50)
 - Splice Plates/ Flanges: Q355 (ASTM A572 GR50)
- Pole has 8 sides
- Finish: Hot dip Galvanizing per ASTM A123
- Anchor Bolts: (4X) M24x3 x 445mm (150mm thread length)
 - Grade 8.8 w/ (3x) nuts & (4x) washers ea.
 - (Optional) ASTM F1554 GR55
 - BCD 320mm/ 12.6in
- Flange/ Tray Bolts: (48x) M16x2 x 60mm
 - Grade 8.8 w/ nut and (2x) washer ea.
 - (Optional) 5/8-11 x 2.5" A325

8. Pole Section Details

Pole Section	#1	#2	#3	#4
Thickness (mm)/ (in)	4/ 0.158	4/ 0.158	4/ 0.158	4/ 0.158
Length (m)/ (ft)	0.991/ 3.25	2.125/ 7.06	2.6/ 8.53	2.834/ 9.3
Top Dia. (mm)/ (in)	218/ 8.58	192/ 7.56	160/ 6.3	125/ 4.92
Bottom Dia. (mm)/ (in)	230/ 9.1	218/ 8.58	192/ 7.56	160/ 6.3
Design Slip Fit (mm)/ (in)	NA	NA	NA	
Weight (kg)/ (lb)	59/ 130	59/ 130	58/ 128	46/ 101



- Ballast Requirements:**
- Concrete Pavers 407mm x 407mm x 50mm (16" x 16" x 2")
 - Minimum Weight per Tray 455kg (1000lb)
 - Minimum Ultimate Bearing Pressure 120kPa (2500psf)

Steel Weight Pole - 222kg/ 488.4lb Foundation - 326/ 717lb	APPROVALS DRAWN MGC CHECKED RESP ENG MFG ENG QUAL ENG	DATE 2/18/21	<p>ARE Telecom & Wind 1041 Grand Ave., #213 St Paul, MN 55105 (651) 330 1263</p> <p>AFS200 9m 4SF 5t-10t Hyd/ Jack</p>
MATERIAL See Notes FINISH See Notes DO NOT SCALE DRAWING	CAD-generated drawing do not manually update Details and dimensions not shown on this drawing can be found in CAD file. scale NA rev. A size NA sheet 1 of 2		

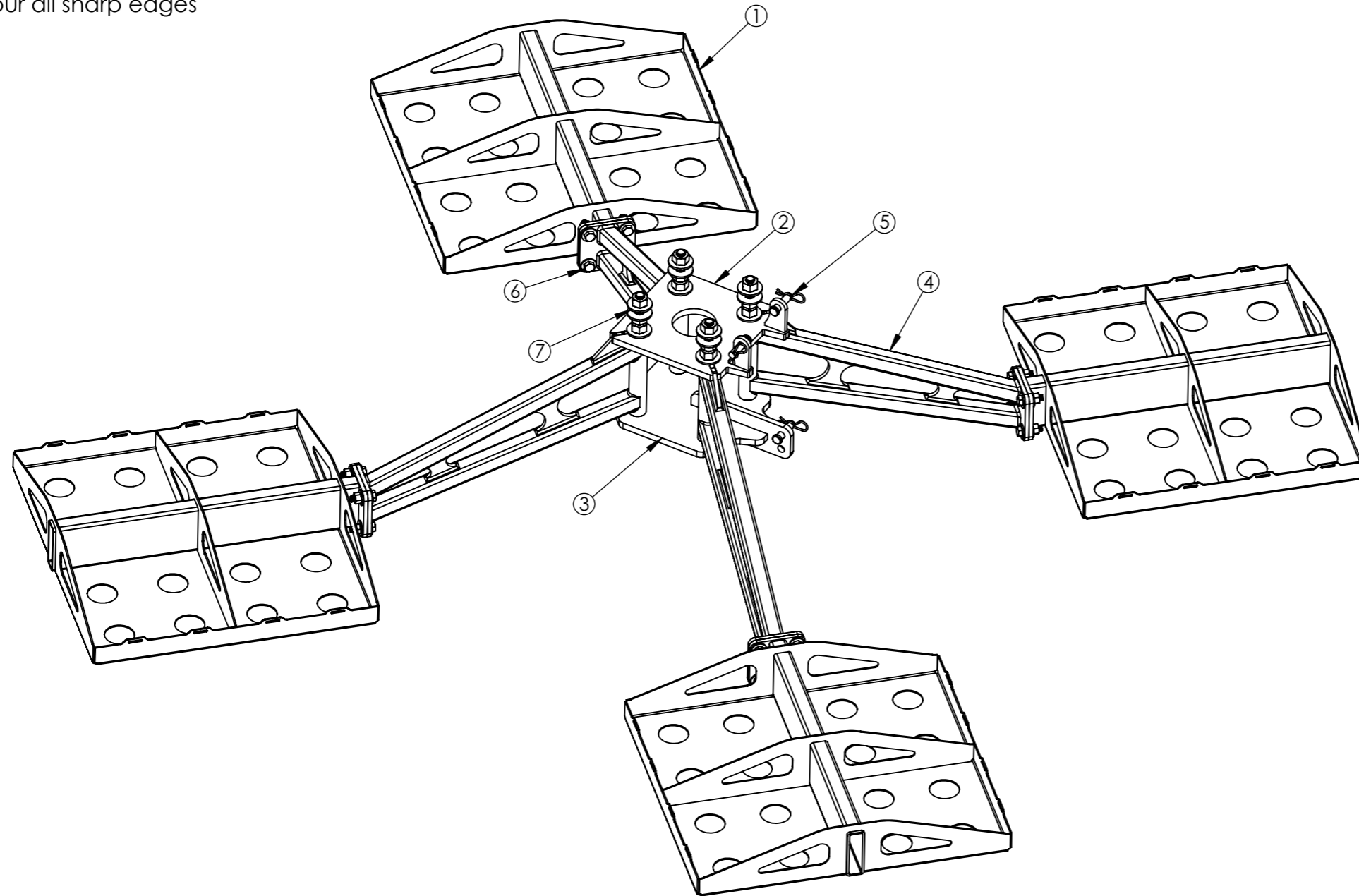
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REV.	DESCRIPTION	DATE	APPROVED
A	initial release	1/12/21	MGC

Notes 3:

- All plate and tube material shall have a minimum yield strength of 355 MPa (50 ksi)
- All welding shall conform to the minimum requirements of AWS D1.1
- All welding shall be done by welders qualified under AWS specifications, using E70XX, low hydrogen electrodes
- All components shall be Hot Dip Galvanized in accordance with ASTM A123
- Debur all sharp edges

AFS200 Bill of Materials			
#	DESCRIPTION	QTY.	Weight (kg/ lbs)
1	Ballast Tray	4	49.5/ 109
2	Upper Splice Plate	1	19/ 42
3	Lower Splice Plate	1	24/ 53
4	Outrigger	4	18.5/ 41
5	20mm x 80mm Clevis w/ Cotter Pin	4	3.5/ 7.7



AFS200 Bolts, Nuts & Washers (other equivalent grades acceptable)

#	Unit	Bolt Size	Length	Width Across Flats	Thread Length	Grade	Coating	Nut Qty.	Washer Qty.	Bolt Qty.
6	Metric	M16x2	60mm	24mm	Full Thread	8.8	Hot Dip Galv.	16	32	16
6	Imperial	5/8-11	2.5"	15/16"	Full Thread	A325	Hot Dip Galv.	16	32	16
7	Metric	M24x3	445mm	36mm	150mm (min.)	8.8	Hot Dip Galv.	12	16	4
7	Imperial	1-8	17.5"	1.5"	6" (min.)	A325	Hot Dip Galv.	12	16	4

Does not include anchor bolts, templates or flange bolts	APPROVALS		DATE
	DRAWN	MGC	2/18/21
	CHECKED		
	RESP ENG		
MATERIAL	See Notes	MFG ENG	
FINISH	See Notes	QUAL ENG	
DO NOT SCALE DRAWING		scale NA	rev. A size NA 2 of 2

ARE Telecom & Wind
1041 Grand Ave., #213
St Paul, MN 55105
(651) 330 1263

AFS200-BOM

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