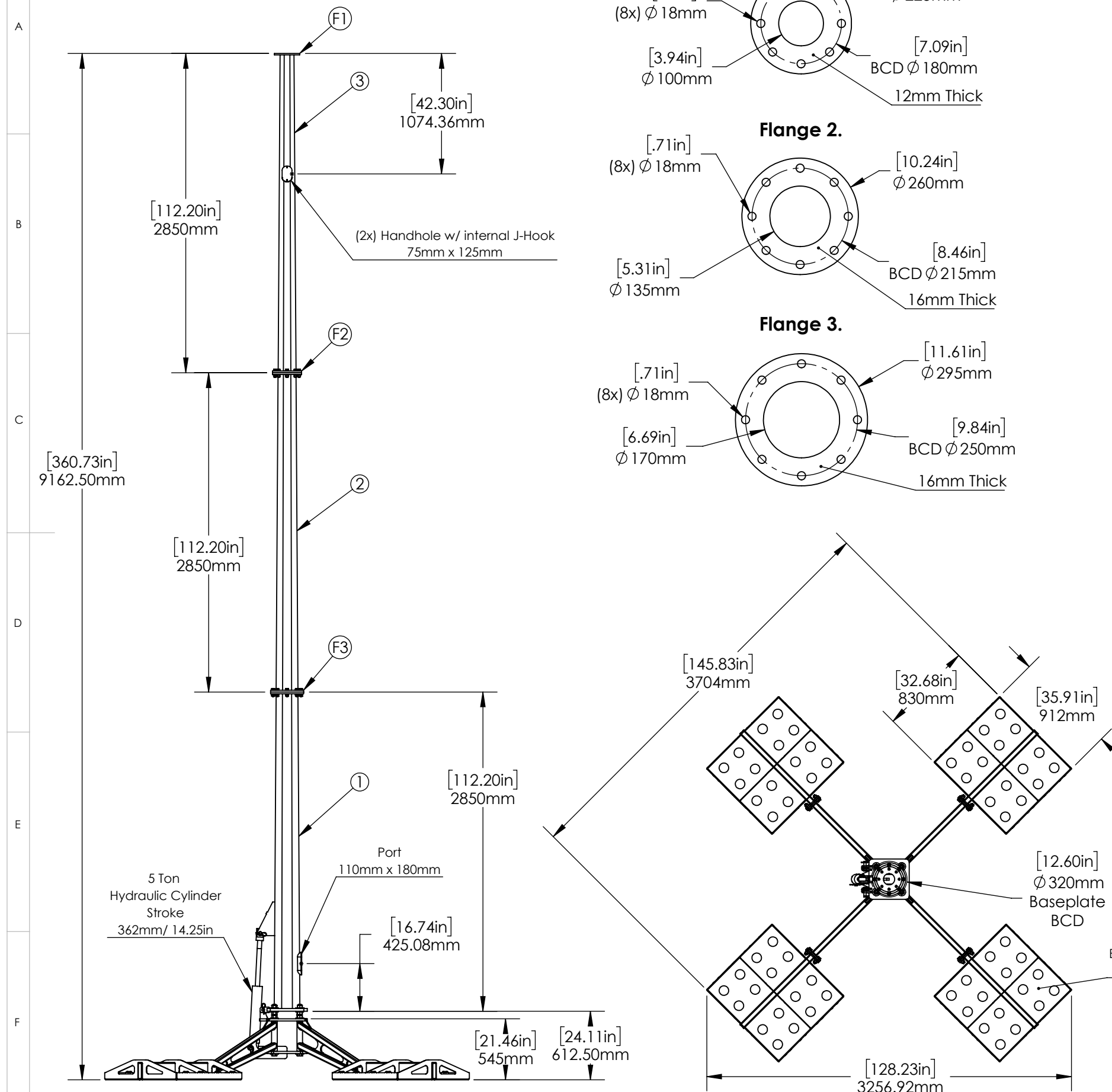


Proprietary rights are included in the information disclosed herein. This information is submitted in confidence and neither the document nor the information disclosed herein shall be reproduced or transferred to other documents for manufacturing or for any other purpose except as specifically authorized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

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




1. Survival Wind Speed: Per Code
 - Class - Per Code
 - Topo - Per Code
 - Exposure - Per Code
2. Design and Welding Codes:
 - TIA-222-G
 - Eurocode 3, 1-9
 - AWS D1.1
3. Material
 - Pole: Q355 (ASTM A572 GR50)
 - Baseplate: Q355 (ASTM A572 GR50)
 - Splice Plates/ Flanges: Q355 (ASTM A572 GR50)
4. Pole has 8 sides
5. Finish: Hot dip Galvanizing per ASTM A123
6. 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
7. Flange/ Tray Bolts: (40x) M16x2 x 60mm
 - Grade 8.8 w/ nut and (2x) washer ea.
 - (Optional) 5/8-11 x 2.5" A325

Pole Section	#1	#2	#3
Thickness (mm)/ (in)	4/ 0.158	4/ 0.158	4/ 0.158
Length (m)/ (ft)	2.850/ 9.35	2.85/ 9.35	2.85/ 9.35
Top Dia. (mm)/ (in)	195/ 7.68	160/ 6.3	125/ 4.9
Bottom Dia. (mm)/ (in)	230/ 9.1	194.5/ 7.66	159.5/ 6.28
Design Slip Fit (mm)/ (in)	NA	NA	
Weight (kg)/ (lb)	95/ 209	61/ 134	49/ 108

Ballast Requirements:

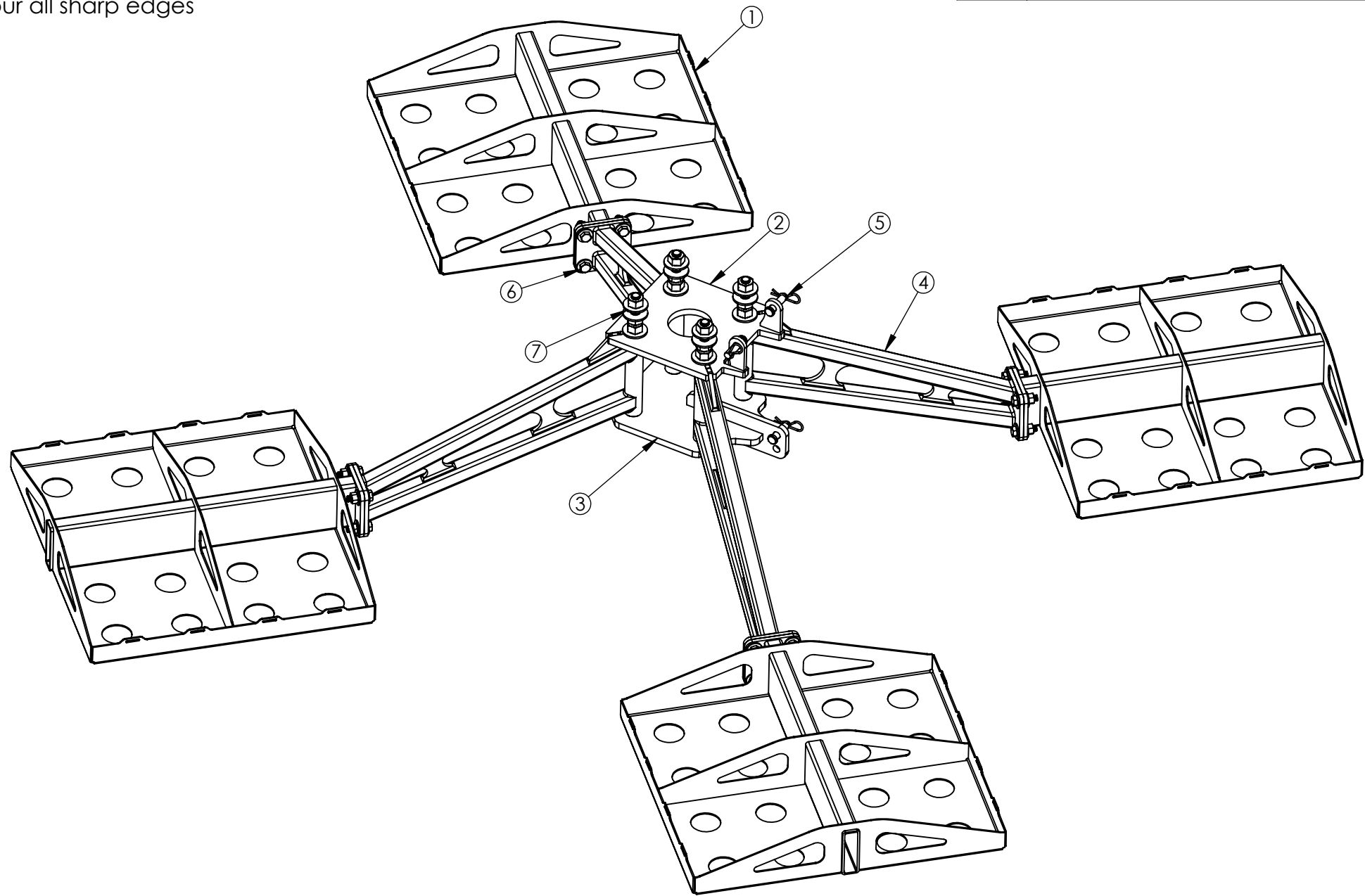
- Concrete Pavers 407mm x 407mm x 50mm (16" x 16" x 2")
- Minimum Weight per Tray 455kg (1000lb)
- Minimum Ultimate Bearing Pressure 120kPa (2500psf)

Steel Weight Pole - 205kg/ 451lb Foundation - 326/ 717lb		APPROVALS		DATE	 ARE Telecom + Broadband ARE Telecon & Wind 1041 Grand Ave., #213 St Paul, MN 55155 (651) 330 1263
		DRAWN	MGC	1/12/21	
		CHECKED			
		RESP ENG			
MATERIAL	See Notes	MFG ENG			CAD file : Details and dimensions not shown on this drawing can be found in CAD file.
FINISH	See Notes				
DO NOT SCALE DRAWING		QUAL ENG			scale NA rev. A size NA sheet 1 of 2

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

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

CAD-generated drawing
do not manually update



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

APPROVALS	DATE
-----------	------

DRAWN MGC

2/18/21

CHECKED

RESP ENG

MFG ENG

QUAL ENG

CAD file :

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

e NA	rev. A	size N
------	--------	--------