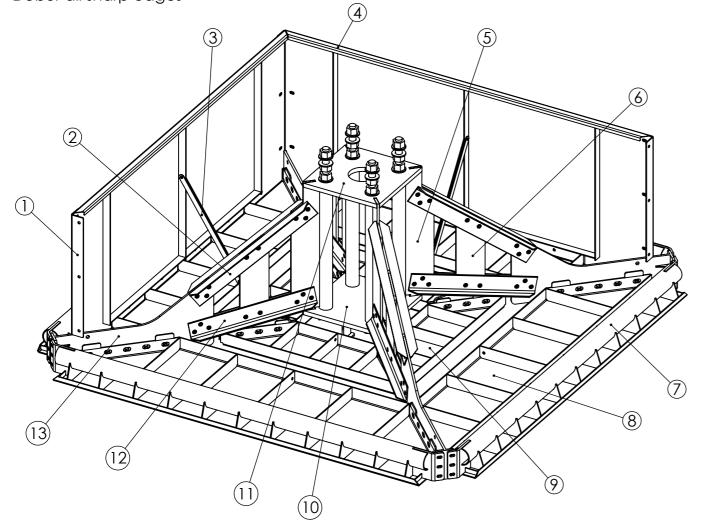


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Notes:

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

- Tube shall be 102mm x 5mm GR. Q355 (4.5" x 0.25" ASTM A500 Gr B)
 All right angles shall be Q355 (ASTM A572 Gr 50) or equivalent
 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 Hot Dip Galvanized in accordance with
- ASTM A 123
- Debur all sharp edges



AFS350 Bill of Materials								
#	DESCRIPTION	QTY.	Weight (kg/lbs)					
1	Corner Bracket	4	2.5/ 5.5					
2	Upper Chord	8	5.4/ 11.9					
3	Brace	8	0.78/ 1.72					
4	Sidewall	4	50.5/ 111.1					
5	Anchor Spoke	4	27.3/ 60.1					
6	Center Web	4	10.8/ 23.8					
7	Outer Bearing Plate	4	58/ 127.6					
8	Outer Ballast Tray	4	47/ 103.4					
9	Inner Ballast Tray	4	18.3/ 40.3					
10	Lower Splice Plate	1	47.11/ 103.6					
11	Upper Splice Plate	1	37.7/ 83					
12	Lower Chord	8	4.7/ 10.34					
13	Truss Heel Plate	4	20.6/ 45.32					

DATE APPROVED 3/11/21 MGC

DESCRIPTION

Ballast Requirements:

- Ballast Volume = 4.7 cu-m (6.1 cu-yds, 165 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.	
F	14	Metric	M12x1.75	30mm	18mm	Full Thread	8.8	Hot Dip Galv.	56	112	56	
	14	Imperial	1/2-13	1 3/16"	7/8"	Full Thread	A325	Hot Dip Galv.	56	112	56	
	15	Metric	M12x1.75	60mm	18mm	Full Thread	8.8	Hot Dip Galv.	24	48	24	
	15	Imperial	1/2-13	2 3/8"	7/8"	Full Thread	A325	Hot Dip Galv.	24	48	24	
	16	Metric	M20x2.5	55mm	30mm	Full Thread	8.8	Hot Dip Galv.	72	144	72	
	16	Imperial	3/4-10	2 3/16"	1 1/8"	Full Thread	A325	Hot Dip Galv.	72	144	72	
	17	Metric	M36x2.5	1000mm	55mm	300mm	8.8	Hot Dip Galv.	12	16	4	
	17	Imperial	1 1/2-6	39"	2 3/16"	12"	A325	Hot Dip Galv.	12	16	4	
		1			2	3		4		5		

		CAD-generated drawing do not manually update								
			APPR	OVALS	DATE	DATE A FC2 FO DO			\	
			DRAWN	MGC	3/11/21	AFS350 BOM				
			CHECKED							
			RESP ENG			CAD file :				
	MATERIAL	See Notes	KESI EIVO				and dimens		7	_
	FINISH	See Notes	MFG ENG			not show can be	drawing AD file	4	+	
	DO NOT SCALE DRAWING		QUAL ENG			scale NA	rev. A	size NA	3 of 6	

