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## REVISIONS DATE APPROVED 8/13/19 MGC DESCRIPTION

## Notes 3:

- 1. All plate material shall shall have a minimum yield strength of 355 MPa (50 ksi)
- Tube shall be 114mm x 6mm 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

#	DESCRIPTION	QTY.	Weight (kg/lbs)
	Kingpost	1	2014/ 4431
	<u> </u>	10	-
2	Upper Chord round 114mm x 6mm (4.5" x 0.25")	18	81/ 178
3	Ballast Tray	18	121/ 266
4	Vertical Web w/ Gusset Plate Assembly	18	15.5/ 34
5	Diagonal Web	36	7.5/ 16.5
6	M12 (1/2-13) Hinge Rod w/ (4x) Nuts and Washers	18	1.3/ 3
7	Sidewall (hinged)	18	80/ 176
8	Vertical Hinge Post	18	15/ 33
9	Horizontal Brace	18	3.5/ 8
10	Diagonal Brace	18	3.9/ 9
11	Clevis & Cotter 12mm x 75mm (1/2" x 3")	18	0.1/ 0.22
12	Clevis & Cotter 12mm x 115mm (1/2" x 4.5")	72	0.14/ 0.31
13	Cylinder Bracket	1	193/ 345
*14	Chord Bearing Plate (AF\$1700 Only)	18	76/ 167

**AFS1700 Bill of Materials** 

① ①	(13)	9	Horizontal Brad
000000	(13)	10	Diagonal Brac
		11	Clevis & Cotte
		12	Clevis & Cotte
	<b>6</b>	13	Cylinder Brack
		*14	Chord Bearing
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		AFS1700 Bolts, Nuts & Washers (other equivalent grades acceptable)									
	#	Unit	<b>Bolt Size</b>	Length	Width Across Flats	Thread Length	Grade	Coating	Nut Qty.	Washer Qty.	Bolt Qty.
F .	15	Metric	M20x2.5	65mm	30mm	Full Thread	8.8	Hot Dip Galv.	108	216	108
	15	Imperial	3/4-10	2.5"	1 1/8"	Full Thread	A325	Hot Dip Galv.	108	216	108
	16	Metric	M24x3	75mm	36mm	Full Thread	8.8	Hot Dip Galv.	126	252	126
	16	Imperial	1-8	3"	1-1/2"	Full Thread	A325	Hot Dip Galv.	126	252	126
	17	Metric	M33x3.5	300mm	50mm	300mm	8.8	Hot Dip Galv.	132	176	44
	17	Imperial	1 1/4-7	12"	2"	12"	A325	Hot Dip Galv.	132	176	44
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US Patent # 9428877 China Patent # ZL201490000869.X

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	Does not inclu templates	APPR	OVALS	DATE	AFS1700					
		DRAWN MGC 8/13/19 CHECKED			BOM					
			RESP ENG		-	CAD file:				
	MATERIAL See Notes		KESI EIVO			Details and dimensions				
- 1	FINISH	See Notes	MFG ENG			not show		1		
	DO NOT SCA	LE DRAWING	QUAL ENG		scale NA	rev. B	size NA	4 of 6		



