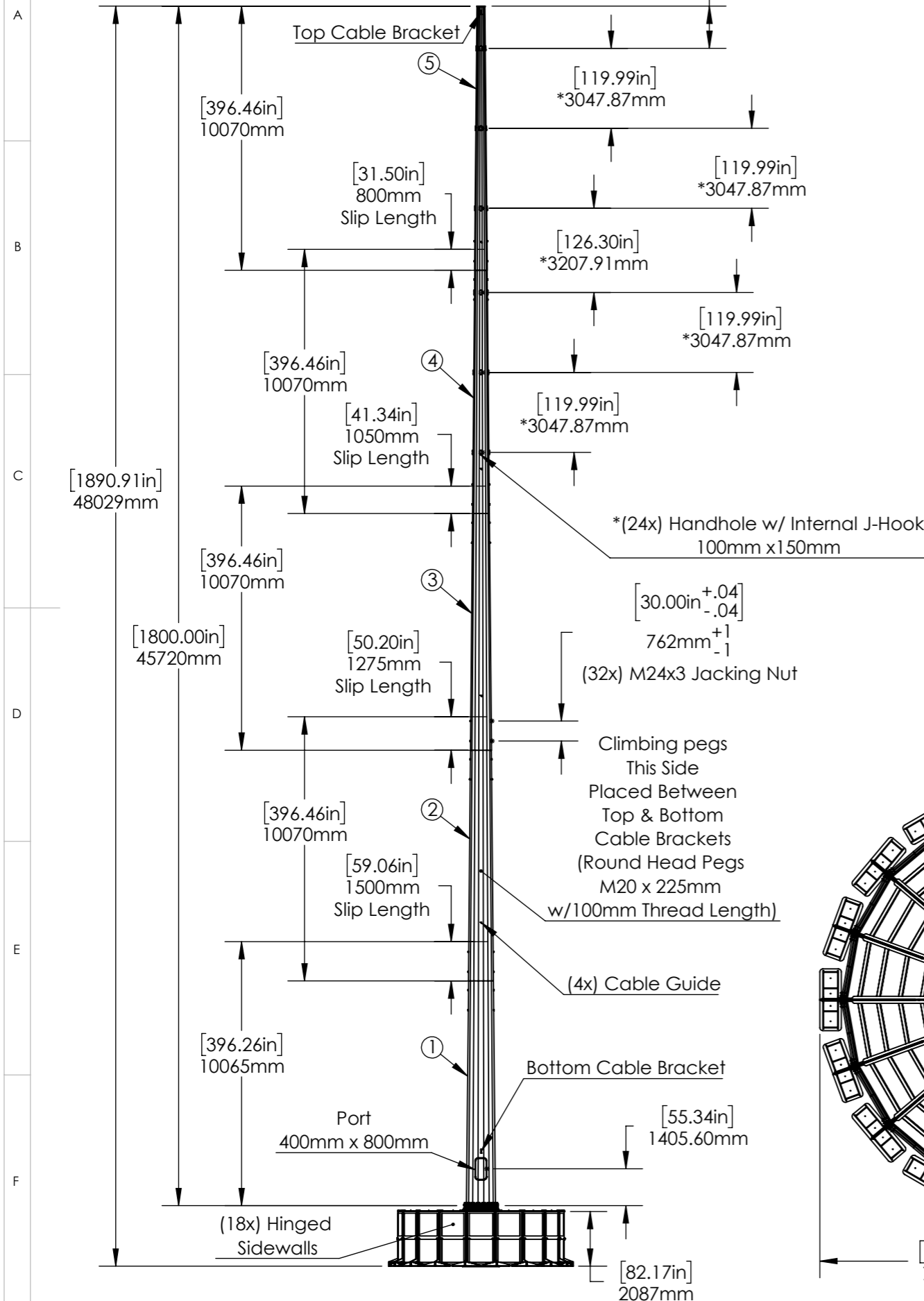


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	initial release	9/3/20	MGC
B			



- Survival Wind Speed: 110 mph (49.2 m/s); 3 sec gust
 - Structure Class - II
 - Exposure Category - C
 - Topographic Category - 1
- Design and Welding Codes:
 - TIA-222-G
 - Eurocode 3, 1-9
 - AWS D1.1
 - IEC 61400-2
- Material
 - Pole: ASTM A572 GR65 (or equivalent - Q420B)
 - Baseplate: ASTM A572 GR50 (or equivalent - Q345B)
 - Flange/ Plate: ASTM A572 GR50 (or equivalent - Q345B)
 - Standard Structural Members: A36 (or equivalent - Q235B)
- Deflection: < 2% @ 60 mph (27m/s)
- Pole has 16 sides
- Finish: Hot dip Galvanizing per ASTM A123
- Anchor Bolts (BCD 1230mm): (36x) M33x3.5 x 300mm Full Thread, Grade 8.8
 - (Optional) 1 1/4-7 x 12" Full Thread, ASTM F1554 GR55 or A325
 - Galv. per ASTM F2329
 - (3X) Nut, (4X) Washer ea.
- Jacking Bracket Bolts: (8x) M24x3 x 40mm Full Thread GR 8.8
- Pole Section Details

Pole Section	#1	#2	#3	#4	#5
Thickness (mm)/ (in)	8/ 0.315	6/ .236	5/ 0.197	5/ 0.197	5/ 0.197
Length (m)/ (ft)	10.065/ 33	10.07/ 33	10.07/ 33	10.07/ 33	10.07/ 33
Top Dia. (mm)/ (in)	918/ 36.14	771/ 30.4	618/ 24.3	462/ 18.2	300/ 11.8
Bottom Dia. (mm)/ (in)	1103/ 43.4	957/ 37.7	805/ 31.7	648/ 24.5	486/ 19.1
Min Slip (mm)/ (in)		1500/ 59.1	1275/ 50.2	1050/ 41.3	800/ 31.5
Weight (kg)/ (lbs)	2370/ 5214	1304/ 2869	895/ 1969	714/ 1571	517/ 1137

Foundation Note:

- Ballast Volume = 60 cu-m (78.5 cu-yds, 2120 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)
- The foundation design is based upon an ultimate bearing pressure of 4000 pounds per square ft (PSF)

US Patent # 9428877
China Patent # ZL20149000869.X

CAD-generated drawing do not manually update		ARE ARE Telecom & Wind 1043 Grand Ave., #213 St Paul, MN 55105 (651) 330 1263 www.aretelcom.com	
Steel Weight Pole - 5800kg (12760lbs) AFS1700 - 8375kg (18425lbs) Does not include fasteners	APPROVALS DRAWN MGC CHECKED RESP ENG MFG ENG QUAL ENG	DATE 9/3/20	45.72m (150ft) Slip Joint Pole AFS1700
MATERIAL See Notes FINISH See Notes DO NOT SCALE DRAWING			Details and dimensions not shown on this drawing can be found in CAD file scale NA rev. A size NA sheet 1 of 1