

Maximum force in stay support at wind speed 40 m/s:

Ftotal = 3400 N
Fvertical = 2400 N
Fhorizontal = 2400 N

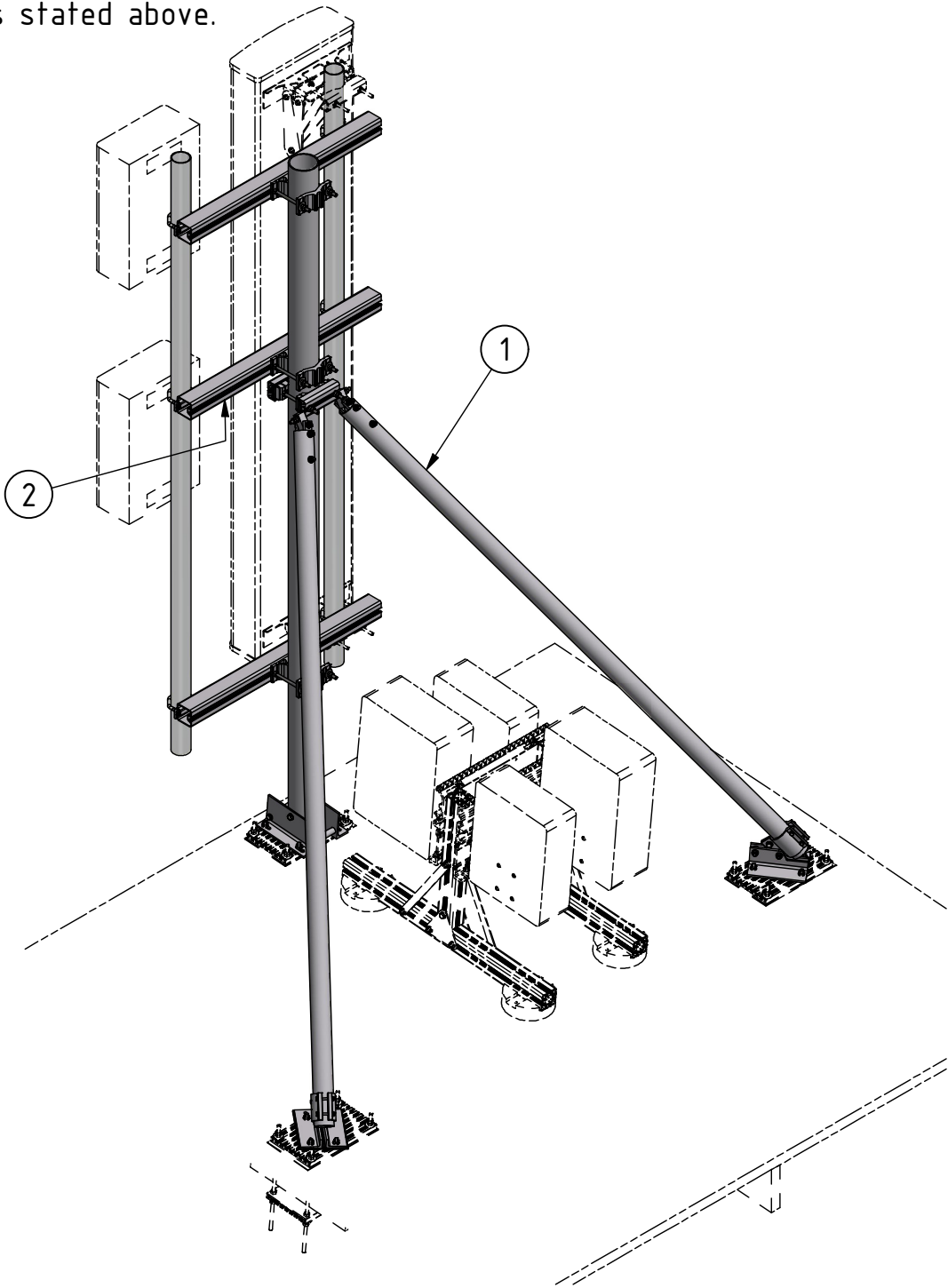
Maximum force in antenna tube support at wind speed 40 m/s:

Ftotal = 4150 N
Fvertical = 4150 N
Fhorizontal = 100 N

Excecution Class:

EXC1

CUE DEE takes no responsibility for the roof
to withstand the forces stated above.



Revision History				
Rev	Description	Date	Drawn	Checked
C	Tube diameter added	2019-05-10	J.M	M.T
D	Antenna spec and force calculations changed	2020-10-01	J.M	M.T
E	Antenna spec and force calculations changed	2021-06-03	P.P	J-O.H




Input	
Country	Sweden
Region	Malmö
Terrain Category	III
Reference Wind Speed Vref	26 m/s
Building Height	24 m
Actual Wind	38 m/s

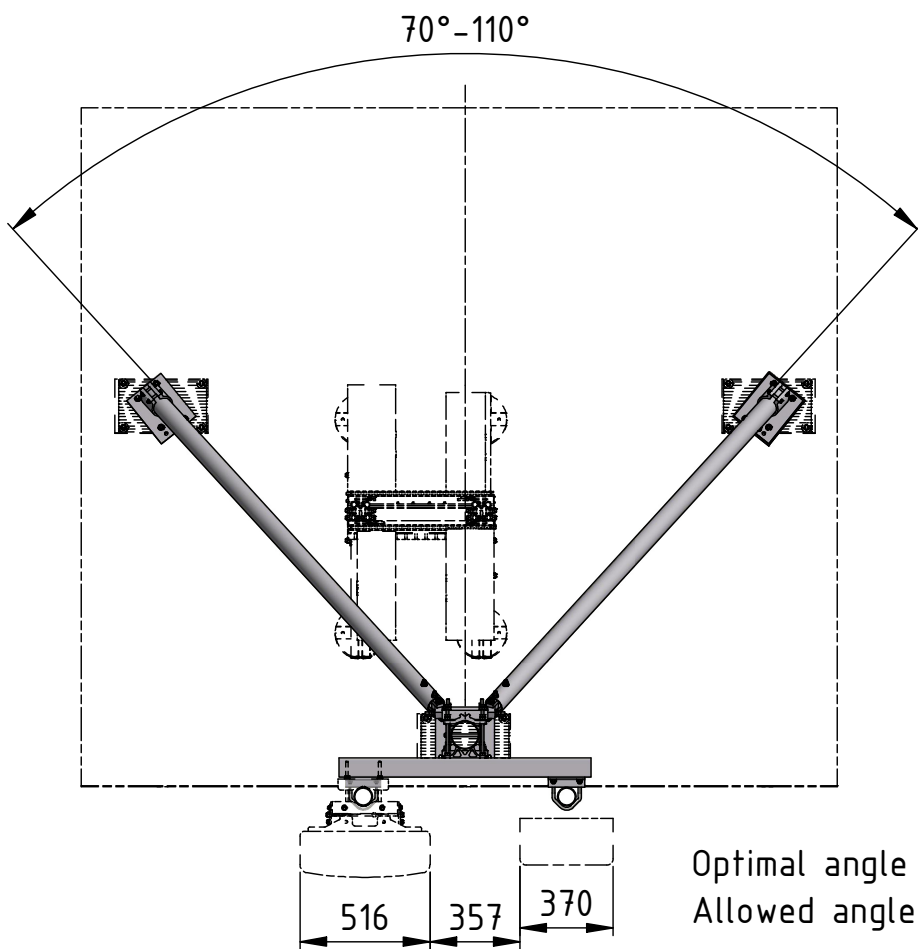
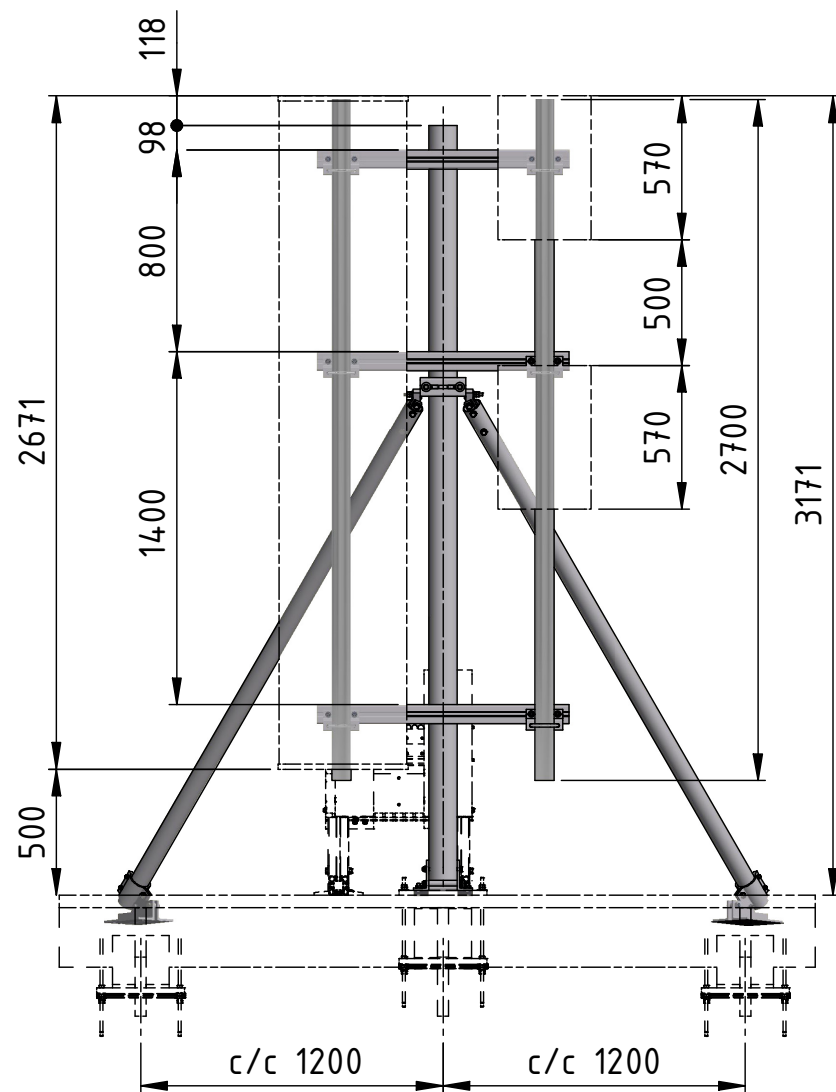
Load	
Effective Load Area (Antenna)	1,43+2x0,3 m ²
Effective Load Area (RRU)	0,6 m ²
Antenna Type	Katrein 80010992 2x Ericsson AIR 3227
Height to Center of Load	1.86 m
Quantity and Weight (Antenna)	1x57 kg 2x24,5 kg
Height to Center of Load RRU	0.6 m
Quantity and Weight (RRU)	37,5+37,6+21+25 kg
RRU Type	2479, 4499, 4419, 8823

RRU Mounting Options				
Alt	Mounting Position	RRU Qty	Art. No.	Drawing Reference
1	Antenna tube	2	9017	CD 991451
2	Antenna tube	5	N/A	Not applicable - Use other alternatives
3	Wall	2	-	Ericsson Rail
4	Wall	5	-	Ericsson Rail
5	Roof	4	-	CD 991508
6	Roof Butler	4	-	CD 991514

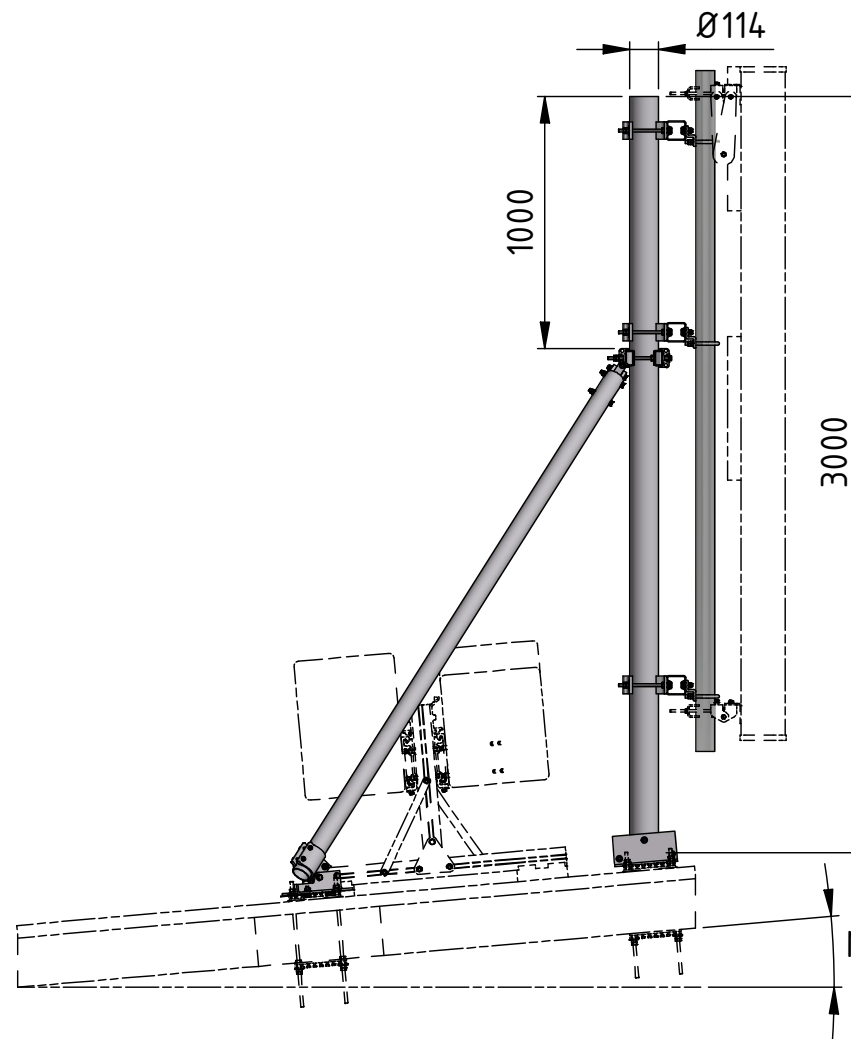
Fastening Options			
Alt	Mounting Option	Art. No.	Drawing Reference
1	Concrete	8446	CD 991341
2	Wood / Quick hatch	8447	CD 991342
3	Tin roof	8449	CD 991343
4	Tiles	8451	CD 991344
5	Wood truss	8452	CD 991345

3	2	8440	CD 991336	AC - Tube Kit		8.40 kg	16.80 kg
2	1	8439	CD 991335	AC - BEAM KIT		14.53 kg	14.53 kg
1	1	5784	CD 823117 3M	Dipod 3m		13.92 kg	13.92 kg
Item	Qty	Art. No	Part Number	Description	Material	Weight	Tot. Weight

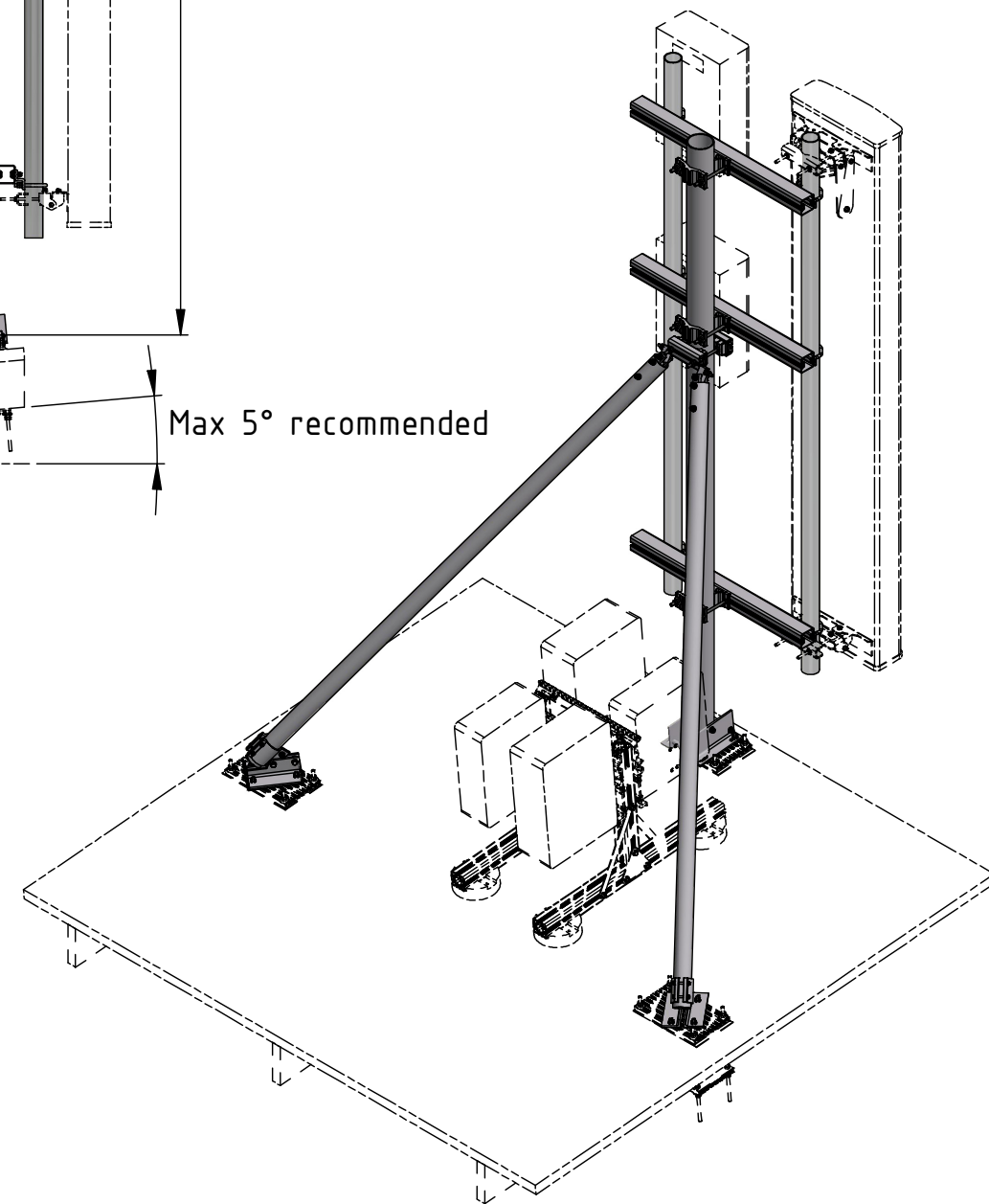
Bill of Materials												
Phone: +46 934 153 10 Fax: +46 934 150 72 E-mail: info@cuedee.se			Sikeå 58		Title AC2 - DIPOD	Project						
			SE-915 93 Robertsfors									
			SWEDEN									
			www.cuedee.se									
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					Checked	2019-04-08	M.T					
					Status	Released						
					Size							
					A3				Scale: 1 : 25		Weight: N/A	Sheet 1 of 2
File Name: C:\Vault\Designs\Project\N4M\5G PROJEKT\CD 991330.idw												




Optimal angle between stays 90°
Allowed angle between stays 70°-110°



Max 5° recommended



The vertical placement of antennas and beams may vary ± 100 mm.

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Drawn		2019-04-08		J.M	
Checked		2019-04-08		M.T	
Status		Released		Project	
Size		A3		Dwg. No.	
				CD 991330	
				Art. No.	
				8444	
				Revision	
				E	
				Sheet	
				2 of 2	
				Scale: 1 : 25	
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