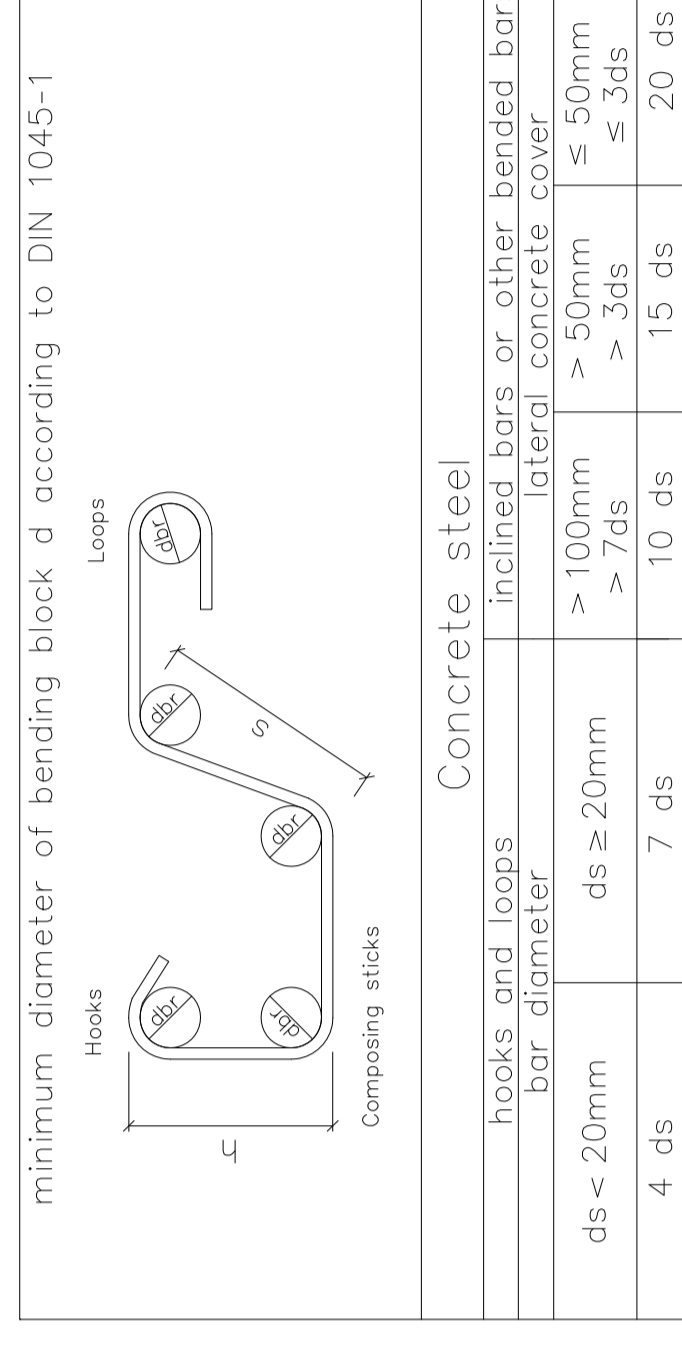
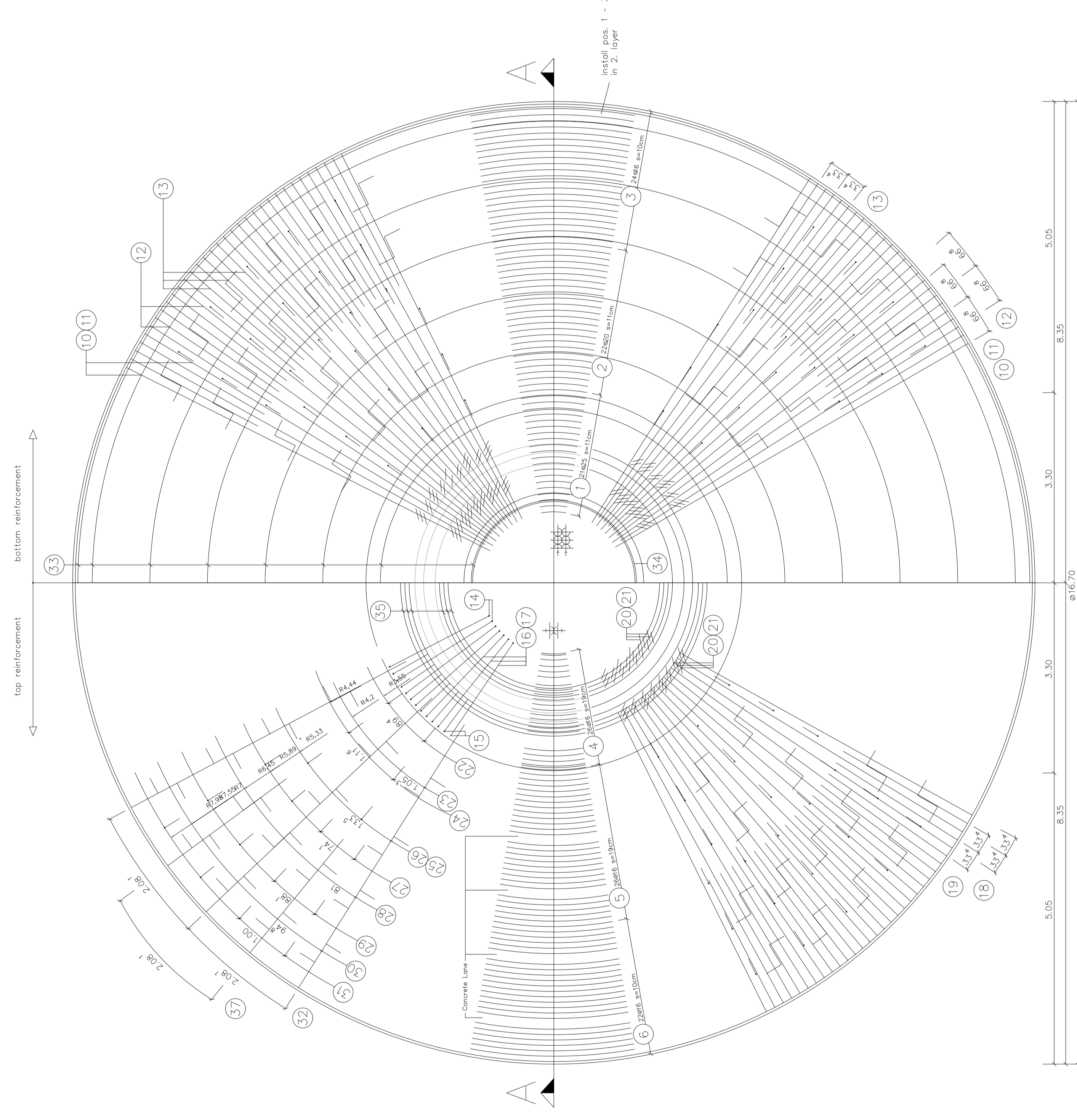


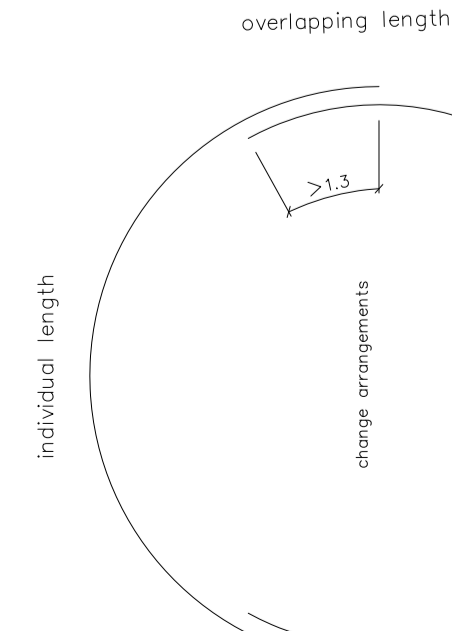
Top View



Specification according to DIN EN 206-1 and DIN 1045-1 (07/2001)

Member:	Circle foundation	Concrete quantity:	31m ³
Concrete quality:	C 25/30	Exposition classes:	XC 4, XF 1
Humidity classes:	WA	Monitoring classes:	UK 1
Concrete steel		Monitoring classes:	BS1 500 S (A)
Tensile strength f_{tk} :		Yield strength f_{yk} :	550 [N/mm ²]
Yield strength f_{yk} :			500 [N/mm ²]
Special requirements:			
Nominal value of maximum grain size aggregates by bottom and upper reinforcement layer	16mm		
Nominal value of maximum grain size aggregates in other parts	32mm		
Cement with low hydration heat	NW / LH		
Consistency classes:	F3 / S3		
Concrete cover:	$\Delta c =$		
Laying dimension:	Bottom 15mm		
Reinforcement layer	nom c ₁	Open Socket	50mm
		Open Sporn	40mm
		Lateral	50mm
Erection specifications / work instructions must be considered			
If the member is classified in the exposition classes XS 1, XA 2 or XA 3, additional measures required			

Member:	Blinding layer	Concrete quantity:	22m ³
Concrete quality:	C 12/15	Concrete steel:	
Exposition classes:	X0	monitoring class:	
Special requirements:	Erection specifications / work instructions must be considered		
Drawing No. 661.3.147-0			



- 10: 78 ø25, s=66.6cm, lg=7.44m
- 11: 78 ø25, s=66.6cm, lg=7.44m
- 12: 78 ø25, s=66.6cm, lg=7.79m
- 13: 156 ø16, s=33.3cm, lg=2.79m
- 14: 78 ø20, s=39.3cm, lg=4.17m
- 15: 156 ø20, s=33.3cm, lg=3.81m
- 16: 78 ø16, s=26.2cm, lg=3.48m
- 17: 78 ø25, s=26.2cm, lg=2.99m
- 18: 78 ø25, s=26.2cm, lg=2.99m
- 19: 156 ø20, s=33.3cm, lg=6.81m
- 20: 156 ø20, s=33.3cm, lg=3.20m
- 21: 25 ø16, s=2.08m, lg=6.40m
- 22: 25 ø16, s=2.08m, lg=6.75m
- 23: 25 ø16, s=2.08m, lg=3.96m

- General:**
- the ring reinforcement must be installed in the second layer.
 - section A-A, detail B' and detail C on plan 661.3.147-0
 - minimum required bearing pressure: 234 kN/m².
 - minimum values of dynamic modulus of stiffness
 - minimum values of dynamic modulus of stiffness
- Execl.dwg :** 03 MW/m² (Vs ≤ 0.40, non - cohesive soil)
Execl.dwg : 156 MW/m² (Vs ≤ 0.45, cohesive soil)
- maximum permissible water level is at the bottom of foundation
 - angle of internal friction between soil and foundation must be 10°

Date: June 2008

Scale: 1: 50 @ A0

Figure: 4.4

Title: Typical E82 Turbine Foundation
 Silton Wind Park
 Environmental Statement