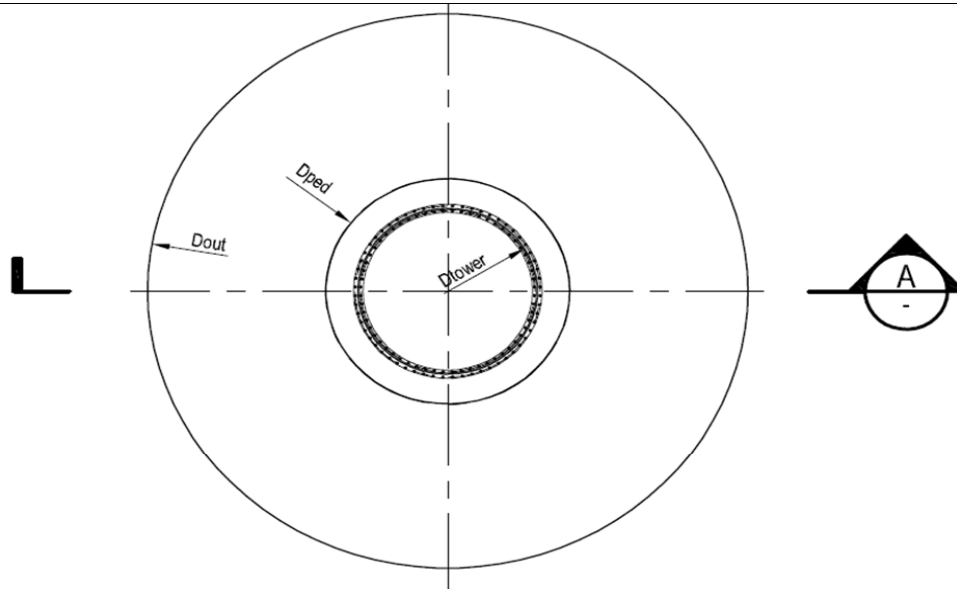
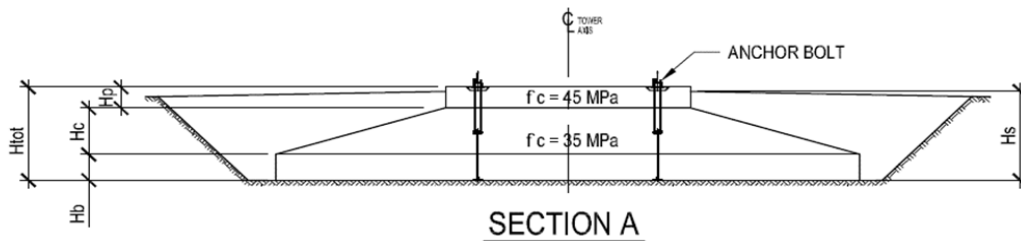


## Appendix F – Foundation Design



**PLAN VIEW**



**SECTION A**

DIMENSIONS	
Dout	21.35 m
Dped	7.00 m
Dtower	4.68 m
Hb	0.60 m
Hc	1.25 m
Hp	0.60 m
Htot	2.45 m
Hs	2.28 m
He	0.00 m

QUANTITIES	
FOOTING CONCRETE	429 m <sup>3</sup>
PEDESTAL CONCRETE	23 m <sup>3</sup>
CONCRETE TOTAL	452 m <sup>3</sup>
REINFORCEMENT TOTAL	50 m.t.

35 MPa  
45 MPa  
500 MPa

	DESIGN LOADS		
	NORMAL LOADS	EXTREME LOADS	STABILITY LOADS
Mxy	65 750 kN-m	102 700 kN-m	102 700 kN-m
Mz	0 kN-m	10 650 kN-m	9 500 kN-m
Fxy	730 kN	1 070 kN	1 060 kN
Fz	5 270 kN	5 270 kN	5 270 kN

\*EXCLUDING LOAD FACTORS

\*\* LOADS AT THE TOP OF THE FOUNDATION

- ERECTION REINFORCEMENT TO BE SUPPLIED BY THE FOUNDATION CONTRACTOR.
- ERECTION REINFORCEMENT SHALL BE DESIGNED AND SHOWN ON THE REINFORCEMENT SHOP DRAWINGS AND IS THE RESPONSIBILITY OF THE FOUNDATION CONTRACTOR.
- WEIGHT OF SUCH ERECTION REINFORCEMENT HAS NOT BEEN INCLUDED IN THE REINFORCEMENT QUANTITY STATED ABOVE AND SHALL BE ESTIMATED BY THE FOUNDATION CONTRACTOR.



PROJECT :  
Enercon Frontier power systems wind farm

TITLE :  
E-138 EP3 E2-ST-111-FB-C-01  
Shallow Foundation Without Buoyancy

SCALE : N.T.S

DESIGNED BY : Simon Mannella / Manuel Plamondon-Ratté

PROJECT No : 191-12540-00

DATE : 2019-10-18

DRAWING No : 191-12540-00-S01A