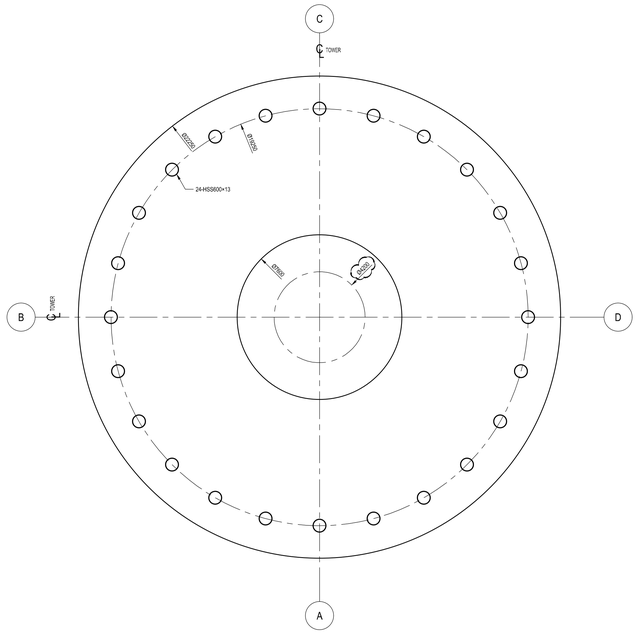


PLAN VIEW - WIND TURBINE FOUNDATION
1:100

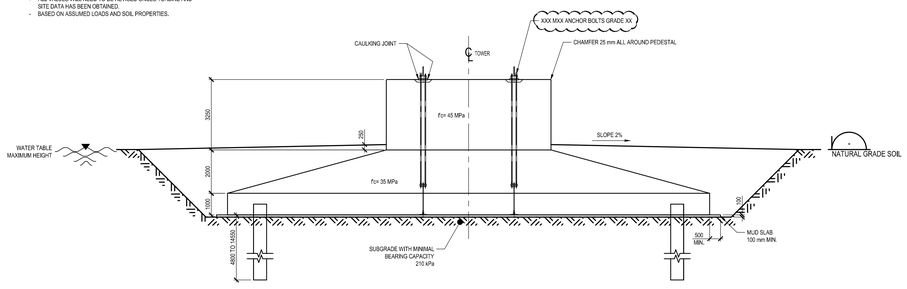
QUANTITIES	
FOOTING CONCRETE (35 MPa)	771 m³
PEDESTAL CONCRETE (45 MPa)	125 m³
PILES CONCRETE (30 MPa)	62 m.L
REINFORCEMENT BASE (500W)	91 m.L
REINFORCEMENT PILE (400W)	8 m.L

PRODUCTION LOADS* DERIVED FROM FOUNDATION DATA SHEET			
	NORMAL LOADS	EXTREME LOADS	STABILITY LOADS
M_{xy}	92434 kN·m	172732 kN·m	145276 kN·m
M_z	0 kN·m	9900 kN·m	9200 kN·m
F_{xy}	700 kN	1160 kN	1140 kN
F_z	8043 kN	8043 kN	8043 kN

*EXCL LOAD FACTOR

NOTES:

- CONCEPTUAL DESIGN BASED ON ESTIMATES LOADS VALUES.
- ALL VALUES WILL NEED TO BE REVISED ONCES TURBINE AND SITE DATA HAS BEEN OBTAINED.
- BASED ON ASSUMED LOADS AND SOIL PROPERTIES.



GEOMETRY - CROSS SECTION
1:100

wsp
1135 LEBOURGNEUF BOULEVARD
QUÉBEC QUÉBEC CANADA G2K 0M5
TEL.: 418-623-2254 | FAX: 418-624-1857 | WWW.WSPGROUP.COM

CONSULTANT - SUB-CONSULTANT:

CONSULTANT - SUB-CONSULTANT:

CONSULTANT - SUB-CONSULTANT:

CONSULTANT - SUB-CONSULTANT:

SEAL:

CLIENT:

EDPR

CLIENT REF. # --

PROJECT:

NATION RISE WIND FARM

KEY PLAN:

DISCLAIMER: COPYRIGHT:
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THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR - REVISION:

IS.	RV.	DATE	DESCRIPTION
A		2018-10-30	FOR COMMENTS

PROJECT NO.: 181-10654-00
DATE: 2018-10-30
ORIGINAL SCALE: AS SHOWN
IF THIS BAR IS NOT 25 mm LONG, ADJUST YOUR PLOTTING SCALE.
DESIGNED BY: D. THIBODEAU, P. Eng.
DRAWN BY: C. TOUCHETTE
CHECKED BY: N. SIMON, P. Eng.
25 mm
DISCIPLINE: **STRUCTURAL**
TITLE:

E-138 EP3 E2-ST-131-FB-C-01
PILE FOUNDATION
WITH FULL BUOYANCY

SHEET NUMBER: **181-10654-00-S-300**
SHEET # 01 OF 01
ISSUE: **FOR COMMENTS**
DATE OF **2018-10-30**
RV. # **0**

tel-NUBLE: P:\2018\181\10654-00\Design\2_TECH\S_DAO_CAD\S\181-10654-00-S-300-A3.dwg, 2018-10-30 15:43:01