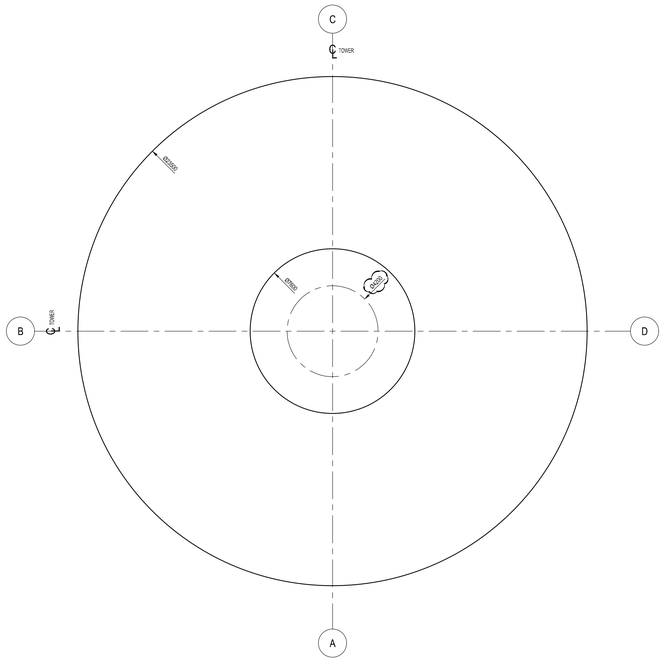


PLAN VIEW - WIND TURBINE FOUNDATION
1:100

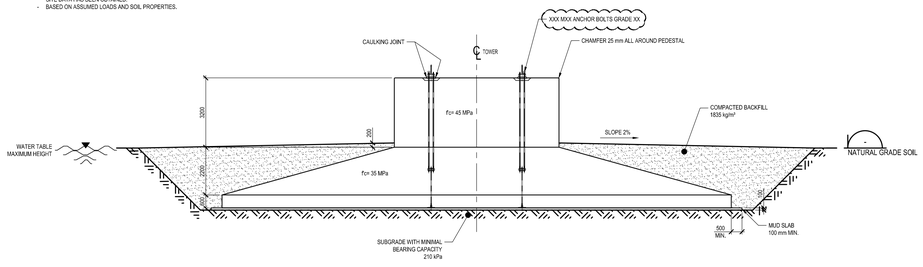
QUANTITIES	
FOOTING CONCRETE (35 MPa)	714 m³
PEDESTAL CONCRETE (45 MPa)	145 m³
REINFORCEMENT BASE (500W)	90 m/L

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:
THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY WSP CANADA INC. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK.
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.
25 mm
DESIGNED BY: D. THIBODEAU, P. Eng.
DRAWN BY: C. TOUCHETTE
CHECKED BY: N. SIMON, P. Eng.

DISCIPLINE: **STRUCTURAL**

TITLE:

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

SHEET NUMBER:

181-10654-00-S-100

SHEET #: 01 OF 01

ISSUE: **FOR COMMENTS**
DATE OF **2018-10-30**
RV. # **0**