

**1 FOUNDATION PLAN**  
1 : 20

NOTES:  
1. SEE ARCH. FOR GATE LOCATION.  
2. CONFIRM ALL DIMENSIONS WITH GATE SUPPLIER.

**2 ELEVATION**  
1 : 20

NOTE:  
ALL POSTS BY GATE SUPPLIER.

#### STRUCTURAL GENERAL NOTES

General Specifications, National Building Code of Canada, 2015.

Contractor to read Structural Drawings in conjunction with Architectural, Electrical and Gate Manufacturer's Drawings.

Do not proceed with structural work until gate structure shop drawings have been reviewed and approved.

Unless noted otherwise, typical details apply throughout.

Contractor to confirm all existing conditions and site measurements. Report any discrepancies to Consultant before proceeding.

Cast-in-Place Concrete Piles

- Friction piles have been designed for the following allowable skin friction values:  
40 kPa between 2m and 8m below grade
- Soils report from adjacent project site may be reviewed at office of departmental representative. Any interpretation of the soils report by the Contractor is solely the responsibility of that Contractor.

Cast-in-Place Concrete

- Perform cast-in-place concrete work in accordance with CAN/CSA-A23.1 "Concrete Materials and Methods of Concrete Construction".
- Cement to CSA A3001 - "Portland Cements" and aggregates to CAN/CSA-A23.1 "Concrete Materials and Methods of Concrete Construction".
- For all concrete in contact with soil use Symbol HS cement.
- Grout to be premixed non-shrink non-metallic grout with minimum strength at 7 days of 40 MPa.

5. Concrete to be in accordance with the following table:							
Type	Location	Strength f'c(MPa)	Cement Symbol	Class of Exposure	Aggreg. max (mm)	Slump mm	Total Air%
1.	Piling	32	HS	F-2 [S-3]	20	50 to 100	4 to 7
2.	Grade Beams	32	HS	F-2 [S-3]	20	50 to 100	4 to 7

Maximum free water/cement ratio to CAN/CSA-A23.1 table 2 for specified class of exposure.

#### Concrete Testing

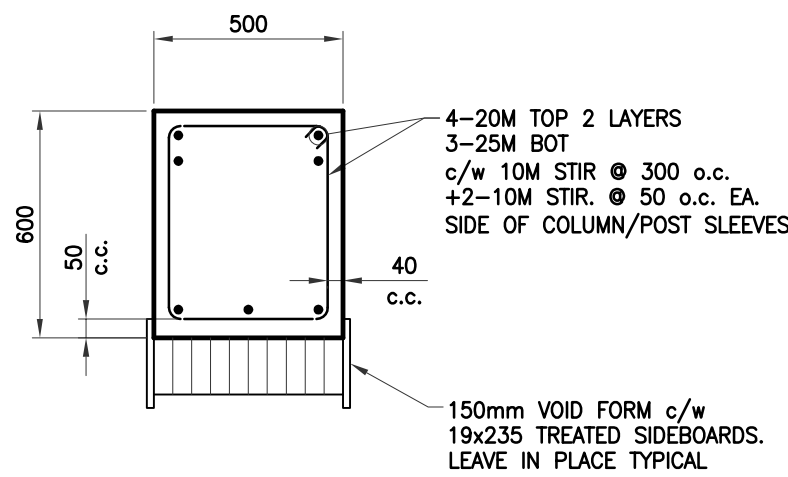
- Concrete testing shall be carried out by an independent testing agency, certified by CSA in accordance with the requirements of CSA A23.3.
- Concrete testing shall be paid for by the Contractor.
- Concrete testing shall consist of three (3) test cylinders taken for every 50 cubic meters or less of each class of concrete placed each day. One (1) cylinder to be tested at 7 days, the remaining two (2) cylinders to be tested at 28 days.
- One (1) additional test cylinder shall be taken during cold weather concreting, and be cured on jobsite under same conditions of concrete it represents.
- One (1) slump test and one (1) air content test shall be taken for each set of test cylinders taken.
- One (1) slump test shall be taken before and one (1) slump test shall be taken after the addition of steel fibre and / or plasticizer to the concrete mix.
- Testing of concrete shall be performed in accordance with CAN/CSA-A23.2.
- Test results shall be issued to the Structural Engineer, Contractor, Owner and Ready-mixed Concrete Supplier. Test reports are to be numbered consecutively beginning with number one, and identify the location of the concrete placement in the project.
- Required retesting will be paid for by the Contractor.

#### Void Form

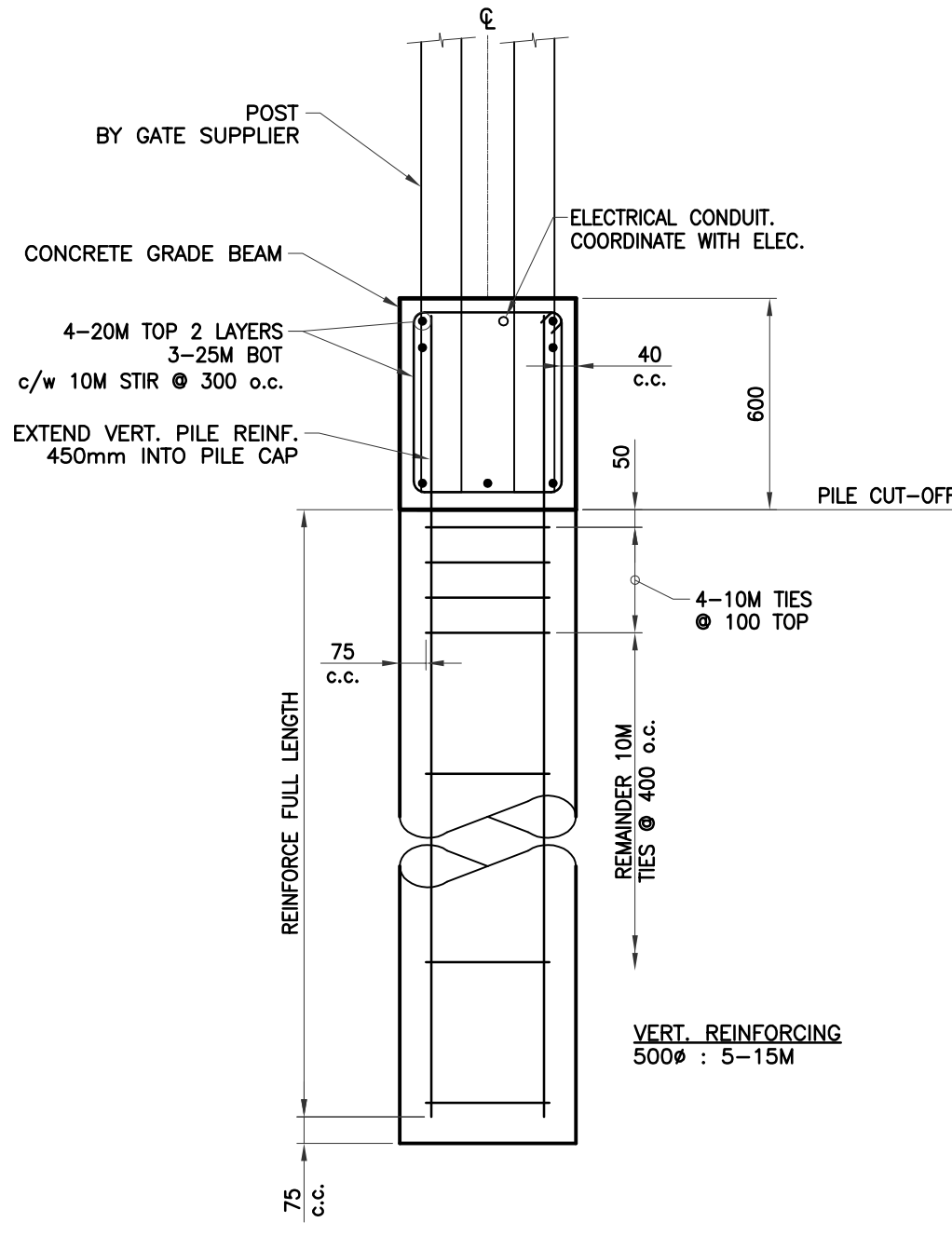
- System made of decomposable cardboard honeycomb form on minimum 50mm sand screed.
- Do not support grade beam reinforcing steel on void form. Suspend all reinforcing steel from the formwork.

#### Reinforcing Steel

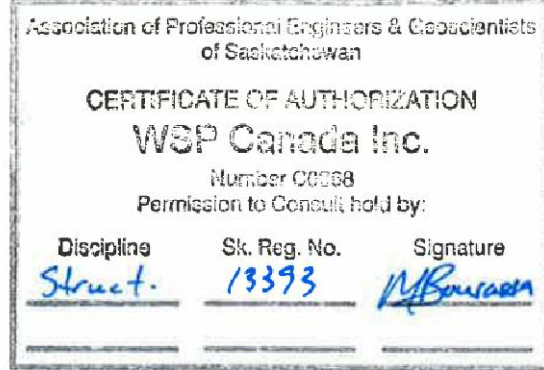
- To CSA Standard G30.18, Grade 400, plain finish for all bars unless noted otherwise. Minimum splice for 10M bars to be 450 mm. Minimum lap splice for all other bars to be 36 bar diameter or 700 mm, whichever is greater.
- All reinforcing bars to be continuous. Splice only as detailed or approved by Consultant.
- Submit shop drawing for review prior to fabrication.



**3 SECTION**  
1 : 20



**4 TYPICAL PILE**  
1 : 20



REVISIONS	DESCRIPTION	DATE
0	TENDER SUBMISSION	2018.02.15

A	detail number number du detail	A
B	source drawing no. de dessin no.	B
C	detail on drawing no. detail sur dessin no.	C

project title  
titre du projet

**Fence Assessment and Repair**

**REGIONAL PSYCHIATRIC CENTRE  
SASKATOON, SASKATCHEWAN**

drawing title  
titre du dessin

**PRINCIPAL ENTRY GATE DETAILS  
SP1 @ EXTERIOR PERMITTER FENCE**

designed by M.D.B.	conçu par
drawn by A.M.C. / J.W.C.	dessiné par
approved by M.D.B.	approuvé par
PWGSC Project Manager JERRY AUJLA	Administrateur de Projets TPSGC
scale AS SHOWN	échelle
project no. R.084540.001	projet no.
date 2018-02-15	date
	sheet S2.1
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