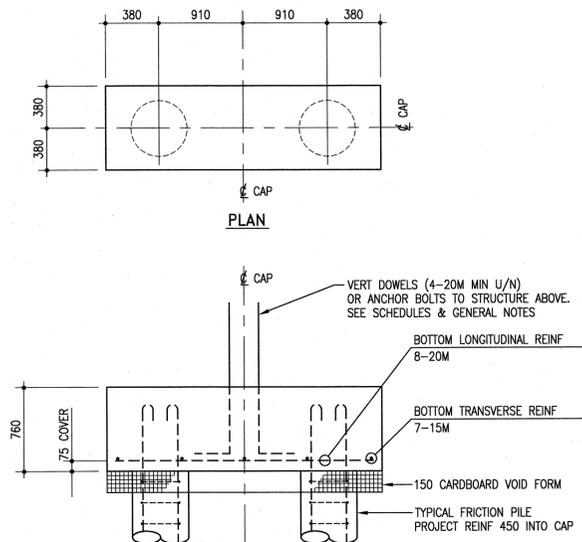
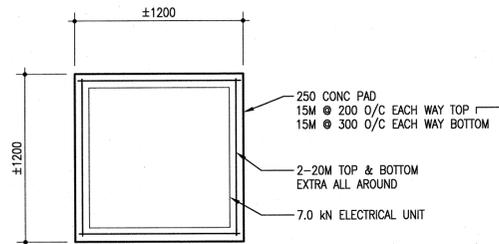


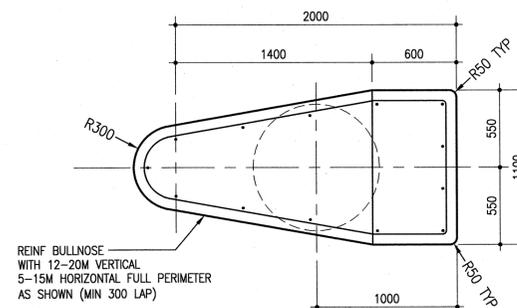
**TYPICAL FRICTION PILE DETAIL**  
1 : 25



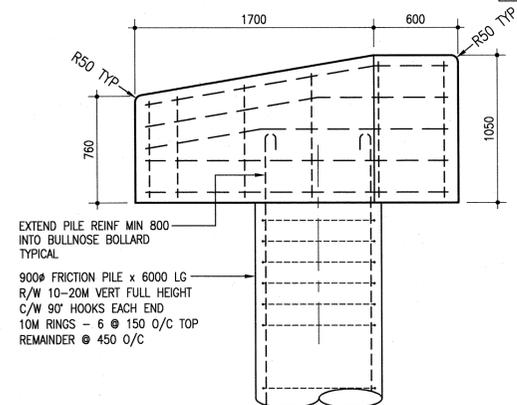
**DOUBLE PILE CAP DETAIL**  
1 : 25



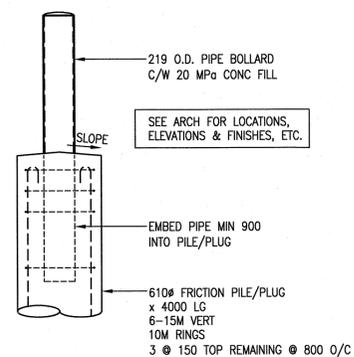
**TRANSFORMER PAD**  
1 : 25



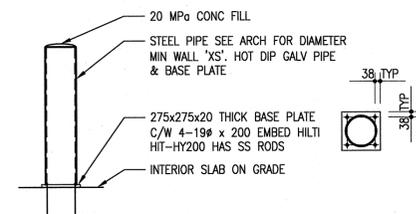
**BULLNOSE BOLLARD PLAN**  
1 : 25



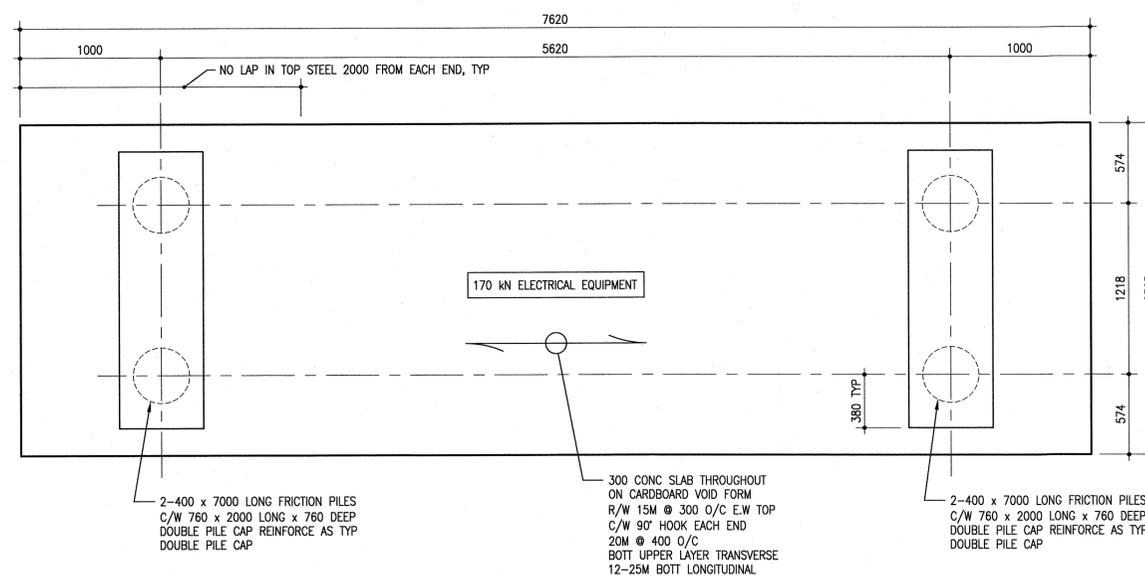
**BULLNOSE BOLLARD ELEVATION**  
1 : 25



**EXTERIOR PIPE BOLLARD DETAIL**  
1 : 25



**INTERIOR PIPE BOLLARD DETAIL**  
1 : 25

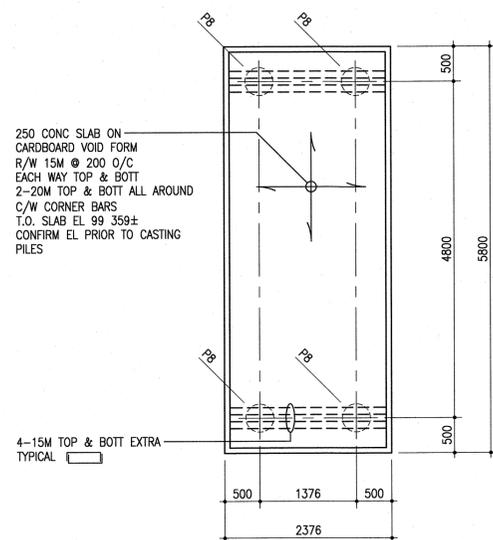


**GENERATOR PAD**  
1 : 25

- COORDINATE TOP OF PAD ELEVATION, SLOPE, ETC. WITH ELECTRICAL & ARCHITECTURAL
- TOP OF PILE CAP = 300 LOWER THAN TOP OF PAD AT CAP LOCATION

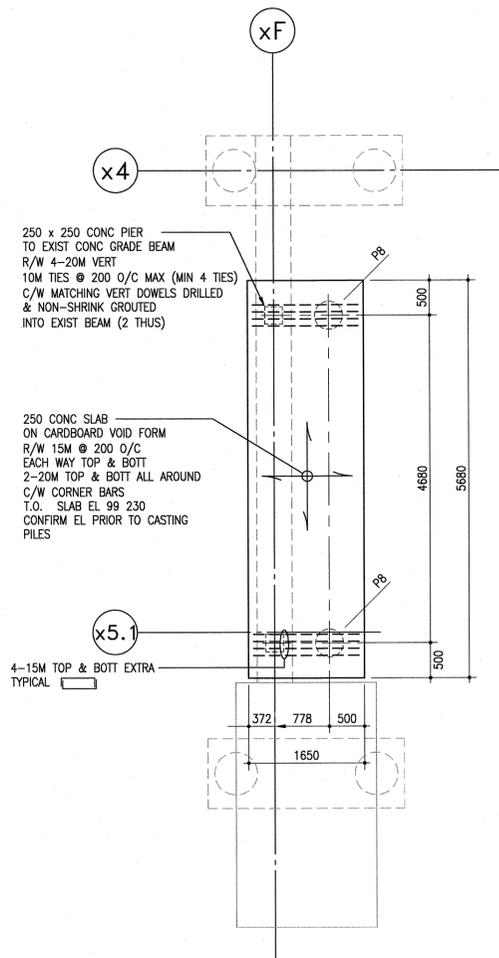
**PRE-ENGINEERED PIL BOOTHS**

- PIL BOOTH SUPPLIER TO SUBMIT STRUCTURAL DESIGN OF PIL BOOTHS ON SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION.
- DRAWINGS ARE REQUIRED TO BE UNDER MANITOBA ENGINEER'S SEAL AND INDICATE ALL DESIGN LOAD CONDITIONS, INCLUDING BUT NOT LIMITED TO LIVE, WIND, AND TOTAL LOAD CONDITIONS IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA.
- PIL BOOTH SUPPLIER WILL DESIGN AND INDICATE LOAD REACTIONS FOR ALL CONNECTIONS/ ANCHORAGES TO CONCRETE SLAB.
- ENGINEERING SHOP DRAWINGS SHALL INCLUDE LAYOUT PLAN, CONNECTION DETAILS, AND ALL OTHER PERTINENT INFORMATION.
- PIL BOOTH SUPPLIER'S ENGINEER SHALL PROVIDE A FINAL INSPECTION AND A SEALED LETTER CERTIFYING THAT BOOTHS CONSTRUCTED AND INSTALLED AS PER DESIGN ASSUMPTIONS AND INSTALLATION REQUIREMENTS.



**PIL 7 - 9 BOOTH FOUNDATION PLAN**  
1 : 50

- SEE DRAWING S1.0 FOR GENERAL NOTES.
- SEE DRAWING S1.2 FOR PILING SCHEDULE.
- TOP OF P8 PILES EL 99 109±



**PIL 6 BOOTH FOUNDATION PLAN**  
1 : 50

- SEE DRAWING S1.0 FOR GENERAL NOTES.
- SEE DRAWING S1.2 FOR PILING SCHEDULE.
- TOP OF P8 PILES EL 98 980±

**DO NOT SCALE DRAWINGS**

Revision/	Description/Description	Date/Date
A	ISSUED FOR CONSTRUCTION	2016/11/02

Client/client

**PUBLIC WORKS AND GOVERNMENT SERVICES AGENCY**

Project title/Titre du projet  
EMERSON, MANITOBA HIGHWAY 75, UNITED STATES BORDER  
**EXPANSION AND REDEVELOPMENT OF THE EMERSON PORT OF ENTRY**

Approved by/Approve par  
KJP

Designed by/Concept par  
JAL/KJP

Drawn by/Dessiné par  
JLP/MPP

PWGC Project Manager/Administrateur de Projets TPSGC  
James Hutchings

PWGC, Architectural and Engineering Resources Manager/  
Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client

**TYPICAL DETAILS BOOTH FOUNDATION PLANS**