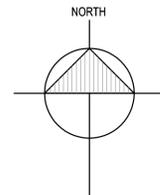


**PRELIMINARY
NOT FOR CONSTRUCTION**



203 WELLMAN CRESCENT
SASKATOON SASKATCHEWAN CANADA S7T 0J1
TEL: 1-306-665-6223 | FAX: 1-306-665-8589 | WWW.WSPGROUP.COM



STRUCTURAL GENERAL NOTES

General Specifications, National Building Code of Canada, 2015.
Contractor to read Structural Drawings in conjunction with Architectural, Mechanical and Electrical and Equipment Manufacturer's Drawings.
Unless noted otherwise, typical details apply throughout.
Contractor to confirm all existing conditions and site measurements. Report any discrepancies to Consultant before proceeding.

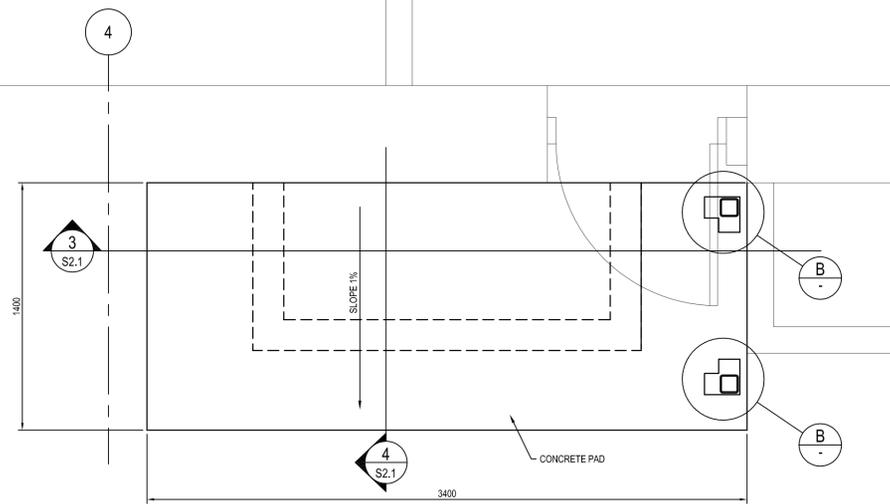
Cast-In-Place Concrete
1. Perform cast-in-place concrete work in accordance with CAN/CSA-A23.1 "Concrete Materials and Methods of Concrete Construction".
2. Cement to CSA A3001 - "Portland Cements" and aggregates to CAN/CSA-A23.1 "Concrete Materials and Methods of Concrete Construction".
3. For all concrete in contact with soil use Symbol HS cement.
4. 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:

Location	f _c (MPa)	Symbol	Exposure	max (mm)	mm	mm	Total Air%
Exterior Concrete	35	HS	F-2/C-1	20	50	to 80	5 to 10

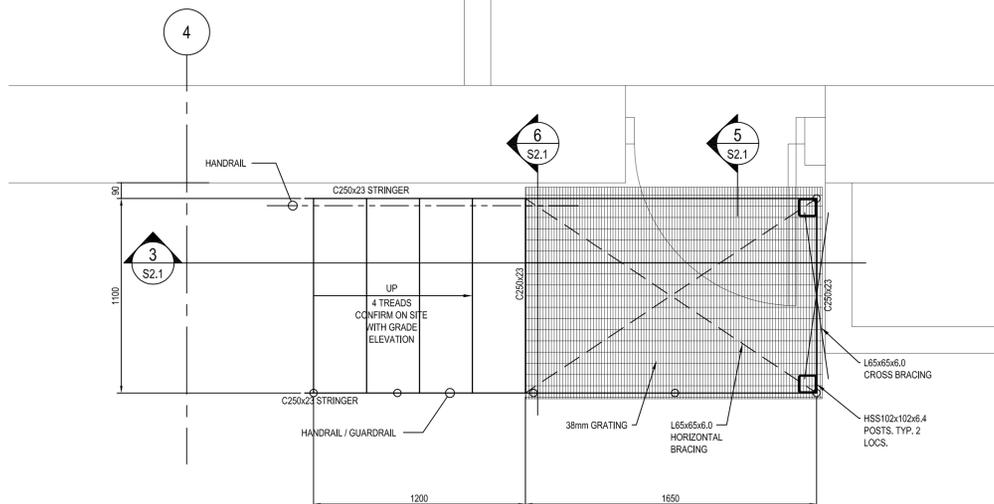
Maximum free water/cement ratio to CAN/CSA-A23.1 table 2 for specified class of exposure.

Concrete Testing
1. Concrete testing shall be carried out by an independent testing agency, certified by CSA in accordance with the requirements of CSA A283.
2. Concrete testing shall be paid for by the Contractor.
3. 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.
4. One (1) additional test cylinder shall be taken during cold weather concreting, and be cured on job site under same conditions of concrete it represents.
5. One (1) slump test and one (1) air content test shall be taken for each set of test cylinders taken.
6. One (1) slump test shall be taken before and one (1) slump test shall be taken after the addition of steel fibres and / or plasticizer to the concrete mix.
7. Testing of concrete shall be performed in accordance with CAN/CSA-A23.2.
8. 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.
9. Required retesting will be paid for by the Contractor.

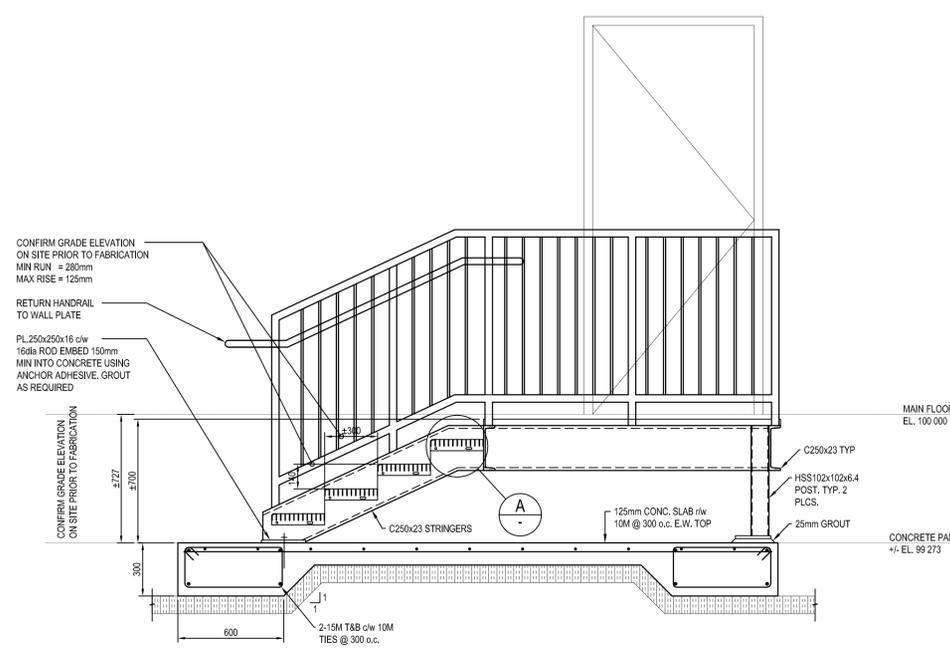
Steel Stairs
1. Structural size shapes, bar size shapes and welded shapes to CSA G40.21M, 350 MPa Weldable Grade for W shapes, 300 Msa for all other shapes.
2. Hollow structural sections to CSA G40.21M, 350 MPa Weldable Grade, Class C.
3. Plates and bars to CSA G40.21M, 300 MPa Weldable Grade.
4. Welding material to CSA W48.
5. Bolts, nuts and washers to ASTM A325. Bolts to be tightened by "Turn-of-Nut" method.
6. All grating treads / treads to be serrated bar grating.
7. Anchor bolts: rods to ASTM A36, nuts and washers to ASTM A307.
8. Design and detail connections to CSA S16 and as per drawings.
9. Submit shop drawing for review prior to fabrication.
10. Hot dip galvanize ALL steel for stairs to CAN/CSA, G164, minimum zinc coating of 600 gm/m².
11. Welding to CSA W59.
12. Fabrication and erection to CSA S16 and CISC Code of Standard Practice.
13. Fabricator to be certified to CSA W47.1, Class 2.
14. After erection, touch up all welds, abrasions, and all other surfaces not shop galvanized.



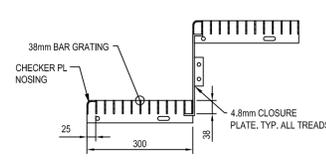
1 PARTIAL MAIN FLOOR & FOUNDATION PLAN
SCALE: 1:20



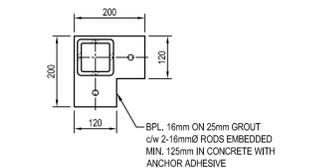
2 STAIR PLAN
SCALE: 1:20



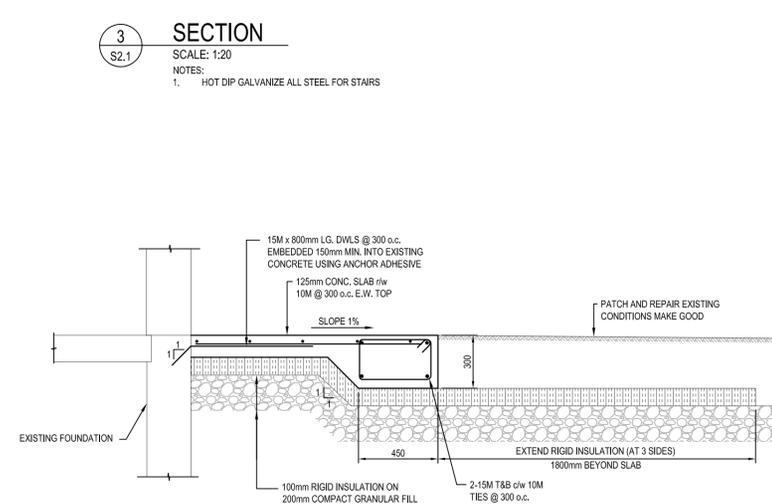
3 SECTION
SCALE: 1:20
NOTES:
1. HOT DIP GALVANIZE ALL STEEL FOR STAIRS



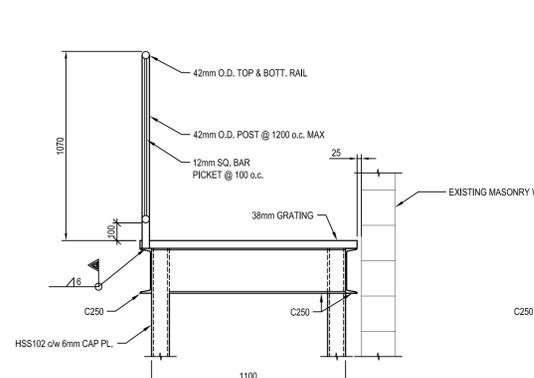
A DETAIL
SCALE: 1:10



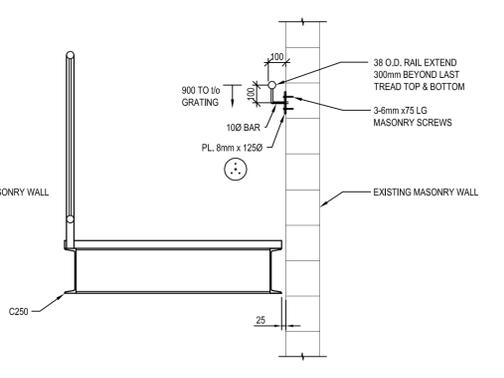
B BASE PLATE 'B' DETAIL
SCALE: 1:10



4 SECTION
SCALE: 1:20



5 SECTION
SCALE: 1:20



6 TYPICAL HANDRAIL @ MASONRY WALL
SCALE: 1:20

Revision/	Description/Description	Date/Date
5		
4		
3		
2	ISSUED FOR TENDER	2018/03/16
1	95% REVIEW	2018/02/01
0	66% CONSTRUCTION DOCUMENTS	2017/11/30

Client/client

Immigration, Refugees and Citizenship Canada

Saskatoon
Saskatchewan

Project title/Titre du projet
**Government of Canada Building
101 - 22 Street East**

**IRCC Relocation Fit-up
Saskatoon, Saskatchewan**

Approved by/Approve par

Designed by/Concept par
M.D.B.

Drawn by/Designe par
A.M.C.

PWGSC Project Manager/Administrateur de Projets TPSCG
AR

PWGSC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'ingénierie, TPSCG

Client/client

Drawing title/Titre du dessin
**PARTIAL PLAN
STAIR DETAILS & SECTIONS**

Project No./No. du projet	Sheet/Fauille	Revision no./La Revision no.
R.076325.006	S2.1 OF	2

