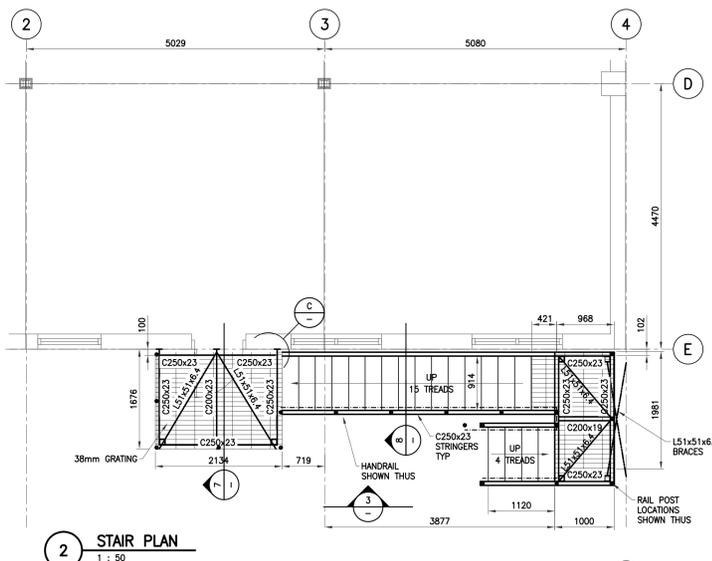
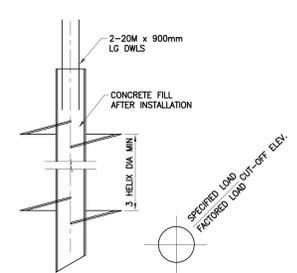


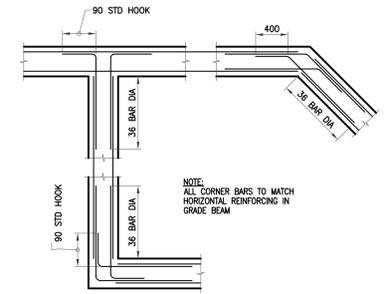
1 PARTIAL MAIN FLOOR & FOUNDATION PLAN
1 : 50



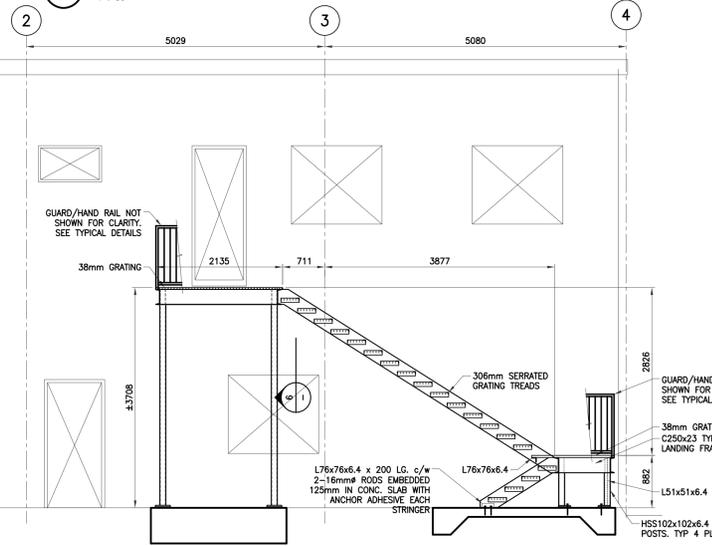
2 STAIR PLAN
1 : 50



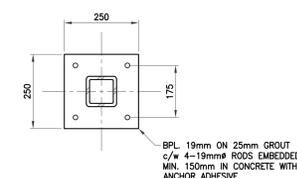
TYP. SCREW PILE



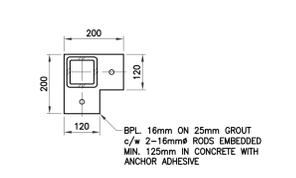
TYPICAL GRADE BEAM INTERSECTION



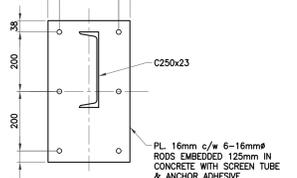
3 ELEVATION
1 : 50



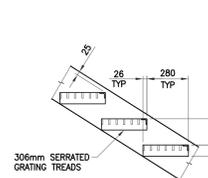
BASE PLATE 'A' DETAIL
1 : 10
NOTE: u/s ELEVATION @ 100 025



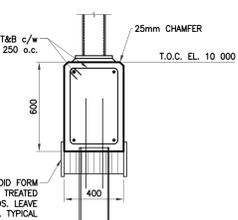
BASE PLATE 'B' DETAIL
1 : 10
NOTE: u/s ELEVATION @ 100 025



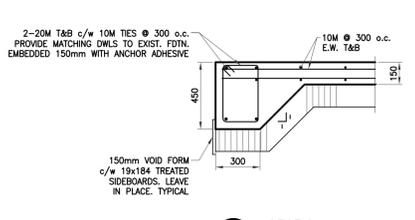
BASE PLATE 'C' DETAIL
1 : 10



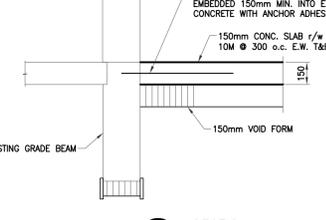
TYP. TREAD DETAIL



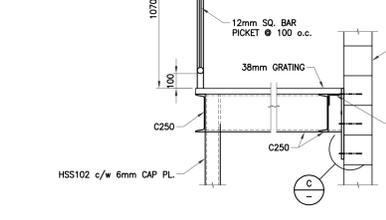
4 SECTION
1 : 20



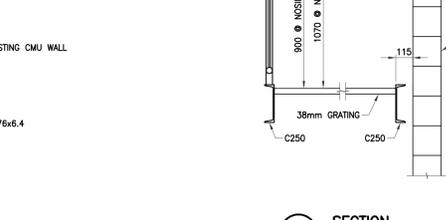
5 SECTION
1 : 20



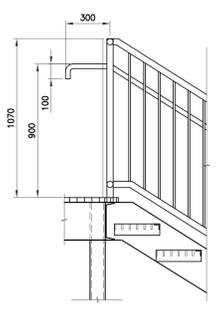
6 SECTION
1 : 20



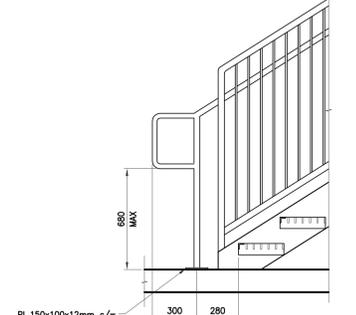
7 SECTION
1 : 20



8 SECTION
1 : 20



9 HANDRAIL TOP
1 : 20



10 HANDRAIL BOTTOM
1 : 20

STRUCTURAL GENERAL NOTES
General Specifications, National Building Code of Canada, 2010.
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.

Foundations
1. Piles to be designed for the loads shown on the drawings. Pile design to be sealed by an engineer registered to practice in the province of Saskatchewan.

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	Strength Class (MPa)	Symbol	Exposure	Aggreg. max (mm)	Slump mm	Total Air%
Exterior Concrete	35	HS	F-2/C-1	20	50 to 80	5 to 10
Slab on Grade	25	N		20		
Interior Grade Supported Slabs	25	GU	N	20	50 to 80	None

Maximum free water/cement ratio to CAN/CSA-A23.1 table 2 for specified class of exposure.
See Mechanical & Architectural for location of slab patch/repairs.

Concrete Testing
1. Concrete testing shall be carried out by an independent testing agency, certified by CSA in accordance with the requirements of CSA A23.3.
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 jobsite under some 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 fibre 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 Mpa 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. Anchor bolts: rods to ASTM A36, nuts and washers to ASTM A307.
7. Design and detail connections to CSA S16 and as per drawings.
8. Submit shop drawing for review prior to fabrication.
9. Hot dip galvanize ALL steel for stairs to CAN/CSA-C164, minimum zinc coating of 800 g/m².
10. Welding to CSA W59.
11. Fabrication and erection to CSA S16 and CSC Code of Standard Practice.
12. Fabricator to be certified to CSA W47.1, Class 2.
13. After erection, touch up all welds, abrasions, and all other surfaces not shop galvanized.

Public Works and Government Services Canada / Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES
Western Region

Client: _____

Client: _____

CK A + ID
COUPLAND KRAEMER ARCHITECTURE + INTERIOR DESIGN Inc.
101, 4632 1ST SE, CALGARY, AB, CANADA, T2G 2L3
TEL: 403.289.7109 FAX: 403.289.7595

Association of Professional Engineers & Geoscientists of Saskatchewan
CERTIFICATE OF AUTHORIZATION
WSP Canada Inc.
Number: C0668
Permission to Consult held by:
Discipline: Sk. Reg. No. Signature
15993 M.S. Bourassa
15 DEC 2015
PROFESSIONAL ENGINEER
SASKATCHEWAN

REVISIONS	DESCRIPTION	DATE
0	ISSUED FOR TENDER	15-06-18

project title: **RCMP ESTEVAN TENANT FIT-UP**

1320 4TH STREET ESTEVAN, SASKATCHEWAN

drawing title: **STAIR PLANS**

designed by: M.D.B. conçoit par
drawn by: J.W.C./A.M.C. dessine par
approved by: _____ approuve par

PWSSC Project Manager: Administrateur de Projets TPS/C

scale: AS NOTED échelle: sheet: feuille
project no.: R.063116.001 projet no.: **S2.1**
date: 15 JUNE 2015 date: OF 1