



#### GENERAL NOTES:

- ALL STRUCTURAL DESIGN AND CONSTRUCTION TO BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE - 2010 AND ALL ASSOCIATED DOCUMENTS.
- ALL DIMENSIONAL AND ELEVATIONAL REQUIREMENTS ARE TO BE CONFIRMED IN CONJUNCTION WITH ONSITE CONDITIONS AND ARCHITECTURAL DRAWINGS.
- THIS SET OF DRAWINGS SHOWS THE COMPLETED CONSTRUCTION. IT DOES NOT INCLUDE COMPONENTS THAT MAY BE NECESSARY FOR CONSTRUCTION SAFETY. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY IN AND ABOUT THE JOB SITE DURING CONSTRUCTION, AND FOR THE DESIGN AND ERECTION OF ALL TEMPORARY STRUCTURES, SUCH AS FORMWORK, FALSE WORK AND SHORING, REQUIRED TO COMPLETE THE WORK.
- THE GENERAL CONTRACTOR SHALL REVIEW ALL THE DRAWINGS, ON-SITE CONDITIONS AND CHECK DIMENSIONS BEFORE CONSTRUCTION. REPORT DISCREPANCIES BETWEEN STRUCTURAL DRAWINGS AND DRAWINGS OF OTHER DISCIPLINES FOR CLARIFICATION. CHECK ALSO ONSITE DIMENSIONS.
- DO NOT CUT OR DRILL ANY OPENINGS IN STRUCTURAL MEMBERS WITHOUT WRITTEN PERMISSION FROM SCL ENGINEERING INC.

#### SITE REVIEW RESPONSIBILITIES:

THE CONSULTANT WILL PROVIDE GENERAL REVIEW OF CONSTRUCTION IN ACCORDANCE WITH THE PERFORMANCE STANDARDS OF THE ASSOCIATION OF PROFESSIONAL ENGINEERS OF NEW BRUNSWICK BY MEANS OF A RATIONAL SAMPLING PROCEDURE TO DETERMINE WHETHER THE CONSTRUCTION OF THAT WORK SHOWN ON THE DRAWINGS IS IN GENERAL CONFORMITY WITH THE PLANS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR QUALITY CONTROL AND THE PERFORMANCE OF THE WORK IN ACCORDANCE WITH THE CONTRACT. THE CONSULTANT SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUB-CONTRACTOR OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

#### CONCRETE WORKS:

- ALL FOOTINGS TO EXTEND TO UNDISTURBED SOIL OR STRUCTURAL FILL, MINIMUM SOIL CAPACITY OF 200 KPa, SEE GEOTECHNICAL REPORT.
- ALL FOOTINGS AND FOUNDATION WALLS FORMWORKS TO BE INSPECTED PRIOR TO CONCRETE PLACEMENT.
- CONCRETE MATERIALS AND METHODS OF CONSTRUCTION (INCLUDES STRENGTH REQUIREMENTS) IN ACCORDANCE WITH CAN3-A23.1-M94. MINIMUM CONCRETE STRENGTH AT 28 DAYS.
  - 25 MPa MEETING CLASS F2 FOR ALL FOOTINGS AND FOUNDATION WALLS.
  - 25 MPa MEETING CLASS N FOR ALL INTERIOR SLABS ON GRADE.
  - 32 MPa MEETING CLASS C2 FOR ALL EXTERIOR FLATWORKS, CURBS, SIDEWALKS, GUTTERS, RAMPS & EXTERIOR SUSPENDED SLABS AT GRADE LEVEL.
- ALL DOOR LOCATIONS AND DIMENSIONS TO BE CONFIRMED WITH THE CONSULTANT, PRIOR TO THE CONCRETE POUR.
- THE SLAB ON GRADE TO BE 100mm, R/W 152x152xMW18.7xMW18.7 WWF, SUPPLIED IN FLAT SHEETS ONLY SUPPORTED BY 50mm WELDED WIRE MESH CHAIRS.
- CURING COMPOUNDS OR WET CURING REQUIRED. MATERIALS AND PROCEDURES USED SUBJECT TO APPROVAL OF CONSULTANT AND CONFORMANCE WITH FLOOR FINISHES.
- WHEN ISOLATED SLAB AREAS ARE NOT COMPLETELY PLACED, SLAB CONSTRUCTION JOINT AS DETAILED ARE REQUIRED.
- OPENINGS RECESSES AND ELEVATION REQUIREMENTS FOR INTERIOR SLABS AS PER ARCHITECTURAL AND MECHANICAL DRAWINGS.
- THE CONTRACTOR IS TO VERIFY FLOOR DRAIN LOCATIONS, SLOPES, & DIMENSIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

#### CONCRETE WORKS:

- USE 50mm WELDED WIRE MESH CHAIRS AT 800mm c/c EACH WAY FOR WELDED WIRE FABRIC SUPPORT.
  - PROVIDE CRACK CONTROL JOINTS EVERY 12m ALONG LENGTH OF PERIMETER FOUNDATION WALL.
  - 38mm OF TYPE 4 INSULATION IS TO BE INCLUDED ON THE INSIDE FACE OF ALL EXTERIOR FOUNDATION WALLS WHERE DETAILED.
- REINFORCING NOTES:
- REINFORCEMENT SHALL BE BILLET STEEL CONFORMING TO THE FOLLOWING STANDARDS.
    - a) CSA G30.18 - GRADE 400MPa - 10M & LARGER
    - b) CSA G30.5 - WELDED WIRE MESH.
  - CONCRETE COVER: UNLESS NOTED OTHERWISE ON THE DRAWINGS, CONCRETE COVER IN mm (INCHES) OVER REINFORCEMENT.
    - a) SURFACE PLACED IN CONTACT W/ GROUND - 75 (3")
    - b) FORMED SURFACE EXPOSED TO GROUND OR WEATHER - 50 (2")
    - c) COLUMNS/PILASTERS/PIERS (TO TIES) - 38 (1 1/2")
    - d) SLABS ON GRADE - MIDDLE OF SLAB
    - e) WALLS - 38 (1 1/2")

#### ANCHOR BOLTS:

- ANCHOR BOLTS TO ASTM A307.

#### WALL REINFORCING NOTES:

- UNLESS NOTED OTHERWISE WALLS BELOW GRADE AND ALL EXTERIOR WALLS EXPOSED TO THE WEATHER ABOVE GRADE SHALL HAVE CRACK CONTROL JOINTS AT 12m MAXIMUM. SEE CONTROL JOINT DETAIL ON STRUCTURAL DRAWINGS.
- ALL WALL REINFORCING SHALL BE CONTINUOUS WITH HOOKS OR CORNER BARS USED AT ALL WALL JUNCTIONS. EXTEND HOOKS TO FAR FACE OF WALL. CORNER BARS SHALL BE LOCATED ON OUTSIDE OF WALL.
- AT ENDS OF WALL PROVIDE 2-15M BARS VERTICAL LAPPED 600mm UNLESS NOTED OTHERWISE ON DETAILS.
- AT OPENINGS IN WALLS, PROVIDE 2-15M BARS, PARALLEL TO ALL EDGES AND EXTENDING 600mm BEYOND CORNERS, EXCEPT AS DETAILED.

#### SAW CUTS: (SLABS ON GRADE)

- SAW CUTTING IS TO BEGIN AS SOON AS POSSIBLE AND PRIOR TO EXCESSIVE RAVELING AND IMMEDIATELY AFTER THE SLAB CURING TEMPERATURE HAS PEAKED.
- SAW CUTTING MAY BE REQUIRED AT NIGHT, OR WEEKENDS AND THE CONTRACTOR IS TO PLAN FOR THIS.
- JOINT FILLING TO PROCEED AFTER SUITABLE CURING PERIOD (MIN. 28 DAYS). JOINT EDGES TO BE PROTECTED FROM DAMAGE WITH A TEMPORARY BACKER ROD IF NECESSARY. FINAL JOINT FILLER TO BE SEMI RIGID TYPE.
- SAW BLADES TO BE 4mm (3/16") DIAMOND TIPPED.
- SAWCUTS AT 3m ON c/c MAX. BOTH WAYS (APPROX.) AND UNDER PARTITION WALLS WHERE POSSIBLE, AND AT ALL INTERIOR STRESS POINTS (i.e. INTERIOR CORNERS). LOCATIONS TO BE CONFIRMED PRIOR TO SLAB PLACEMENT.



For Structural Design Only



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5	ISSUED FOR TENDER	05/08 2017
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3	99% SUBMISSION	01/17 2017
2	50% SUBMISSION	11/02 2016
1	DESIGN DEVELOPMENT	09/09 2016
revisions		date

project project

**WEST GATE ENTRANCE  
VISITOR RECEPTION CENTER  
WOLFE LAKE  
FUNDY, NB  
ALBERT COUNTY**

drawing dessin

## FOUNDATION PLAN AND NOTES

designed	Sheldon Tweel P.Eng.	conçu
date	MAY 8, 2017	
drawn	Brian J McLellan CET	dessiné
date	MAY 8, 2017	
approved	Sheldon Tweel P.Eng.	approuvé
date	MAY 8, 2017	
Tender		Soumission
PWOSC Project Manager	Administrateur de projets TPSCG	
project number		no. du projet
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