



**FOUNDATION PLAN**  
1:50

**GENERAL NOTES HHW BUILDING**

**GENERAL NOTES**

- REFER TO DRAWING S1 FOR STANDARD DETAILS AND ADDITIONAL GENERAL NOTES.
- EXCAVATE ALL SILTS, FILLS AND OTHER DELETERIOUS MATERIALS
- GEOTECHNICAL ENGINEER TO INSPECT THE GRADE PRIOR TO PLACING GRANULAR
- USE A BACKHOE WITH A SMOOTH BUCKET FROM THE EDGE OF THE EXCAVATION TO MINIMIZE DISTURBANCE OF THE SUBGRADE.
- PROTECT SUBGRADE FROM FREEZING, DRYING OR INSULATE WITH MATS.
- PROOF ROLL SUBGRADE WITH FULLY LOADED TANDEM AXLE TRUCK TO DETECT WEAK OR SOFT AREAS IN THE PRESENCE OF THE GEOTECHNICAL ENGINEER.
- REPAIR WEAK OR SOFT AREAS BY EXCAVATING A MINIMUM OF 300mm, PLACING A GEOTEXTILE LAYER AND BACKFILL WITH 19mm DOWN CRUSHED LIMESTONE (WELL GRADED) COMPACTED TO 100% SPDD (LIFT THICKNESS NOT TO EXCEEDING 150mm)
- ALL SLAB ON GRADE FLOORS WILL EXPERIENCE MOVEMENT AND CRACKING DUE TO HEAVING AND SOIL EXPANSION RESULTING FROM THE NATURE OF THE CLAY SOIL, PREVIOUS AND PRESENT LEVEL OF VEGETATION AT THE SITE, SOIL MOISTURE LEVEL AND CONSTRUCTION PRACTICES. DILLON CONSULTING LIMITED ACCEPTS NO LIABILITY FOR THIS CRACKING AND / OR MOVEMENT.

**DESIGN DATA**

- CLIMATIC DATA: WINNIPEG, MANITOBA
- LOADING CRITERIA (NORMAL IMPORTANCE):  
 SNOW: Ss = 1.9 kPa, Sr = 0.2 kPa  
 Is = 1.0 (ULS), 0.9 (SLS)  
 WIND: Q50 = 0.45 kPa  
 Iw = 1.0 (ULS), 0.75 (SLS)  
 SEISMIC: NOT APPLICABLE

**DESIGN LOAD ON FLOOR SLAB**

- LIVE LOAD = 14.4 kPa + 1.0 kPa PARTITION ALLOWANCE.

**CONCRETE REINFORCING**

- PERFORM REINFORCING WORK IN ACCORDANCE WITH CSA 23.1-09.
- REINFORCING STEEL SHALL CONFORM TO CAN/CSA G30.18-09, GRADE 400R OR 400W.

**STRUCTURAL STEEL**

- PERFORM STRUCTURAL STEEL WORK IN ACCORDANCE WITH CAN/CSA-S16-09.
- ALL FABRICATION AND WELDING SHALL CONFORM TO CSA W59-03 AND BE PERFORMED BY A COMPANY CERTIFIED BY AND WELDERS QUALIFIED IN ACCORDANCE WITH CSA W47.1-03 (R2008) FOR DIVISION 1 OR DIVISION 2.1.
- FILLET WELDS SHALL NOT BE LESS THAN 5 mm.
- WELDING ELECTRODES TO BE "BASIC" LOW HYDROGEN TYPE, TO CSA W48 SERIES, COMPATIBLE WITH STEEL TO BE WELDED.
- STRUCTURAL SHAPES TO CSA G40.21-04, GRADE 350W.
- STRUCTURAL PLATES TO CSA G40.21-04, GRADE 300W (MINIMUM).
- HOLLOW STRUCTURAL SECTIONS TO CAN/CSA G40.21-04 (R2009), GRADE 350W, CLASS C.
- HIGH TENSILE BOLTS, NUTS AND WASHERS TO ASTM A325-09.
- ANCHOR BOLTS AND NUTS TO ASTM A36/A36M-12.



METRIC

WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

B.M. ELEV.	DESIGNED BY	EPG				4R WINNIPEG DEPOT BRADY ROAD RESOURCE MANAGEMENT FACILITY	CITY DRAWING NUMBER	1-0400A-S0009-001
	DRAWN BY	PDR					SHEET	1 OF 11
	CHECKED BY	BWD				HHW EWASTE BUILDING FOUNDATION PLAN, NOTES	CONSULTANT DRAWING NUMBER	S11 (AD-1)
	APPROVED BY	ARR						
	HOR. SCALE	AS NOTED	RELEASED FOR CONSTRUCTION	CONSULTANT PROJECT NUMBER	13-8224			
	NO. REVISIONS	DATE	DATE	DATE	JULY 2014			