

GENERAL NOTES

1. THE GENERAL NOTES AND STRUCTURAL STANDARD DETAILS ARE GENERAL AND APPLY TO THE ENTIRE PROJECT EXCEPT WHERE THERE ARE SPECIFIC INDICATIONS TO THE CONTRARY.
2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE. ALL ELEVATIONS ARE IN METRES AND ARE TO GEODETIC DATUM. THE CONTRACTOR SHALL VERIFY DIMENSIONS BEFORE BEGINNING CONSTRUCTION AND REPORT DISCREPANCIES TO THE CONTRACT ADMINISTRATOR BEFORE PROCEEDING WITH THE WORK. DO NOT SCALE THE DRAWINGS.
3. THE DESIGN AND CONSTRUCTION IS IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA 2005, ITS SUPPLEMENTS AND THE LATEST EDITIONS (UNLESS OTHERWISE NOTED) OF REFERENCED CODES AND STANDARDS THEREIN. WATER RETAINING STRUCTURES HAVE BEEN DESIGNED IN ACCORDANCE WITH ACI 350.
4. REFER TO THE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, SLEEVES AND OTHER BUILDING COMPONENTS NOT SHOWN ON THE STRUCTURAL DRAWINGS. REPORT DISCREPANCIES TO THE CONTRACT ADMINISTRATOR BEFORE PROCEEDING WITH CONSTRUCTION
5. CONTRACTOR TO CONFIRM ALL OCCURRENCES OF INTERFERENCE BETWEEN NEW AND EXISTING. REPORT ALL DISCREPANCIES BETWEEN THAT SHOWN ON THE DRAWINGS AND THAT WHICH EXISTS TO THE CONTRACT ADMINISTRATOR, IMMEDIATELY UPON DISCOVERY. KEEP ACCURATE AS-CONSTRUCTED RECORDS OF ALL NEW WORKS AND RELOCATED OR MODIFIED EXISTING FACILITIES.
6. CONSTRUCTION METHODS REQUIRING TEMPORARY SHORING, OR BRACING, SHALL BE SUBMITTED TO THE CONTRACT ADMINISTRATOR FOR REVIEW. THE CONTRACTOR SHALL RETAIN A PROFESSIONAL ENGINEER, REGISTERED IN THE PROVINCE OF MANITOBA, TO PERFORM AND TAKE RESPONSIBILITY FOR ANY SHORING OR OTHER DESIGNS REQUIRED TO COMPLETE THE CONSTRUCTION.
7. VERIFY LOCATION OF ALL UNDERGROUND SERVICES PRIOR TO COMMENCING CONSTRUCTION AND BE RESPONSIBLE FOR DISRUPTIONS.

DESIGN LOADS

FOLLOWING LOADS ARE SERVICE LOADS



1. DEAD LOADS: STRUCTURE SELF WEIGHT PLUS:
2. LIVE LOADS: .1) FRP PANELS AND FRAMING - REFER TO SPECIFICATIONS
.2) GRATING 4.8 kPa
.3) GUARD RAILINGS - AS PER NBC - 2005

MISCELLANEOUS METALS

1. ALL STEEL TO CONFORM TO PROJECT SPECIFICATIONS.
2. THE STEEL ERECTOR SHALL BE RESPONSIBLE FOR SUPPLYING AND ERECTING ALL TEMPORARY WORKS REQUIRED FOR THE STRUCTURE DURING ERECTION.
3. WELD TO CSA W59 BY FABRICATORS QUALIFIED TO CSA W47.1, IN DIVISION 2.1.
4. CLEAN ALL STEEL PRIOR TO PAINTING TO SSPC SURFACE PREPERATION SPECIFICATION NO. 7 "BRUSH-OFF BLAST CLEANING" EXCEPT STRUCTURAL STEEL MEMBERS WHICH ARE EXPOSED IN THE COMPLETED STRUCTURE, IN WHICH CASE CLEANING SHALL CONFORM TO SSPC SURFACE PREPERATION SPECIFICATION NO. 6 "COMMERCIAL BLAST CLEANING".

STANDARD ABBREVIATIONS:

ADDITIONAL	ADD'L	SECTION	SECT.
AT	⊙	SHEET	SHT.
ANCHOR BOLT	A. BOLT	SIMILAR	SIM.
ALTERNATE	ALTER.	SCHEDULE	SCH.
ALUMINUM	ALUM.	SPECIFICATION	SPEC.
APPROXIMATE	APPROX.	STAINLESS STEEL	S.S.
ARCHITECTURAL	ARCH.	STANDARD	STD.
AVERAGE	AVG.	STIFFENER	STIFF.
BOTTOM	BOT.	STIRRUP	STIRR.
BETWEEN	BET.	STRUCTURAL	STRUCT.
BUILDING	BLDG.	SYMMETRICAL	SYM.
BENCH MARK	B.M.	TOP OF	T.O.
BEARING	BRG.	TYPICAL	TYP.
BY (Between dims)	x (lower case)	UNLESS NOTED	U/N
CENTERLINE	⊕	VERTICAL	VERT.
CAST IN PLACE	C.I.P.	WIND LOAD	W.L.
CONCRETE MASONRY UNIT	C.M.U.		
CONSTRUCTION	CONST.		
CONSTRUCTION JOINT	C.J.		
COMPLETE WITH	C/W		
COLUMN	COL.		
CONCRETE	CONC.		
CONTINUOUS	CONT.		
DEAD LOAD	D.L.		
DIA.	DIA.		
DIAMETER	DM.		
DIMENSION	DN.		
DOWN	DBL.		
DOUBLE	DWL.		
DRAWING	DWG.		
DOWEL	DWL.		
EACH FACE	E.F.		
EACH	EA.		
EACH WAY	E.W.		
ELEVATION	EL.		
ELECTRICAL	ELEC.		
EQUAL	EQ.		
EXISTING	EXIST.		
EXPANSION JOINT	EXP. J.		
EXPANSION	EXP.		
EXTERIOR	EXT.		
FACE TO FACE	F. to F.		
FLOOR	FLR.		
FACE OF CONCRETE	F.O.C.		
FIBERGLASS REINFORCED PLASTIC	FRP.		
FOUNDATION	FDN.		
FOOTING	FTG.		
GALVANIZE	GALV.		
HANGER	HGR.		
HIGH WATER LEVEL	H.W.L.		
HORIZONTAL	HORIZ.		
HOLLOW STRUCTURAL STEEL	HSS		
HEIGHT	HT.		
HOLLOWCORE	H.C.		
INSIDE FACE	I.F.		
INSIDE DIAMETER	I.D.		
INTERIOR	INT.		
INVERT	INVT.		
KILONEWTON	kN		
K.O. MASONRY BLOCK	K.O.		
KILOPASCAL	kPa		
LIVE LOAD	L.L.		
LONG	L.G.		
LOCATION	L.O.C.		
MATERIAL	MATL.		
MAXIMUM	MAX.		
MEGA PASCAL	MPa		
MECHANICAL	MECH.		
MILLIMETER	mm		
MINIMUM	MIN.		
MISCELLANEOUS	MISC.		
NUMBER	No.		
NOT TO SCALE	N.T.S.		
ON CENTER	o/c (lower case)		
OUTSIDE FACE	O.F.		
OUT TO OUT	o/o		
OUTSIDE DIAMETER	O.D.		
OPENING	OPNG.		
OPEN WEB STEEL JOIST	OWSJ.		
OPPOSITE	OPP.		
ORIGINAL	ORIG.		
PLATE	PL.		
POLY VINYL COMPOSITE	PVC.		
PRELIMINARY	PRELIM.		
PROJECTION	PROJ.		
REINFORCE WITH	R/W		
REINFORCING	REINF.		
REQUIRED	REQ'D		
REVISION	REV.		

B.M. ELEV.	 A Tyco International Ltd. Company	ENGINEER'S SEAL ORIGINAL SIGNED BY L.L. RIDING 2007/03/07	 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION															
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