



DESIGN LOADS
RAMP STRUCTURE DESIGNED FOR 100 PSF LIVE LOAD.
PILING DESIGNED AS CAST-IN-PLACE FRICTION PILES. NO END BEARING CAPACITY. DESIGN SKIN FRICTION 300 PSF, EFFECTIVE LENGTH EQUAL TO PILE LENGTH MINUS 6 FT.
BUILDING STRUCTURAL MEMBER LOADS AS INDICATED ON DRAWINGS.

EARTHWORK
CONFORM TO THE FOLLOWING CITY OF WINNIPEG STANDARDS AND SPECIFICATIONS:
EARTHWORK AND GRADING- CW3170
SUB-GRADE, SUB-BASE AND BASE COURSE INSTALLATION- CW3110
SODDING CW3510

CONCRETE
CONCRETE MATERIALS AND CONSTRUCTION SHALL CONFORM TO CANCSA-A23.1-04.
NO WATER SHALL BE USED TO RE-TEMPER LOADS. USE SUPER-PLASTICIZER ONLY.
VIBRATE CONCRETE UPON PLACEMENT TO ENSURE COMPLETE CONSOLIDATION AND TO MINIMIZE VOIDS.

CONCRETE TYPES
PILES: 32 MPa @ 28d, EXPOSURE CLASS S-2, AIR CONTENT CATEGORY 1, 40mm MAX. AGGREGATE SIZE, CEMENT TYPE HS
RAMP, STAIR & LANDING STRUCTURES: 35 MPa @ 28d, EXPOSURE CLASS C-1, AIR CONTENT CATEGORY 1, 20mm MAX. AGGREGATE SIZE, CEMENT TYPE GU
SIDEWALK (NON-REINFORCED): 35 MPa @ 28d, EXPOSURE CLASS C-2, AIR CONTENT CATEGORY 1, 20mm MAX. AGGREGATE SIZE, CEMENT TYPE GU
CONCRETE SIDEWALK INSTALLATION SHALL CONFORM TO C.O.W. SPECIFICATION: PORTLAND CEMENT CONCRETE SIDEWALK- CW3325.

REINFORCING STEEL SHALL CONFORM TO CANCSA-G30.18 GRADE 400W.
REINFORCING STEEL SHALL BE EPOXY COATED FOR ALL RAMP, STAIR AND LANDING STRUCTURES.

MASONRY
MASONRY MATERIALS AND CONSTRUCTION SHALL CONFORM TO CANCSA-A371-04 & CANCSA-A179-04.

STEEL
SUPPLY AND FABRICATION OF STEEL COMPONENTS SHALL MEET THE REQUIREMENTS OF:
STRUCTURAL SHAPES- CANCSA- G40.20/G40.21 OR ASTM A992/A992M; BARS- CAN3-G312.1/G312.2; BOLTS- A325; WELDING- CANCSA-S16 & CANCSA W59.
NEW ASSEMBLIES SHALL BE SHOP FABRICATED TO THE FULLEST EXTENT POSSIBLE. FIELD WORK SHALL BE LIMITED TO INSTALLATIONS, REPAIRS & TOUCH-UPS, UNLESS NOTED OTHERWISE.
SUBMIT SHOP DRAWINGS FOR ALL GUARDRAIL AND HANDRAIL COMPONENTS PRIOR TO FABRICATION.

FINISHES
CONCRETE WALKWAY SURFACES (ALL)- NON-SLIP BROOM FINISH
CONCRETE RAMP SIDEWALLS AND OTHER EXPOSED VERTICAL SURFACES- SMOOTH FORM ARCHITECTURAL GRADE FINISH (USE PAPER-LINED FORM BOARDS)
INTERIOR STRUCTURAL STEEL COMPONENTS- SHOP PRIME; TOPCOAT WHERE SPECIFIED
EXTERIOR STRUCTURAL STEEL COMPONENTS- EPOXY PRIME AND URETHANE TOPCOAT; COLOURS AS SPECIFIED
EXTERIOR ARCHITECTURAL STEEL COMPONENTS- GALVANIZE, ETCHING PRIMER, POWDER TOPCOAT; COLOURS AS SPECIFIED
EXTERIOR STAINLESS STEEL COMPONENTS- NO.4 BRUSHED FINISH AND METAL POLISH UPON INSTALLATION
ALL PAINTED OR TREATED COMPONENTS SHALL BE SHOP FINISHED; FIELD PAINTING LIMITED TO TOUCH-UPS ONLY.
SUBMIT FINISH PRODUCT DATA AND COLOUR SAMPLES TO CONTRACT ADMINISTRATOR FOR APPROVAL.

- NOTES:**
- GENERAL NOTES & SPECIFICATIONS**
- CITY OF WINNIPEG STANDARDS AND SPECIFICATIONS APPLY TO ALL WORK.
 - DO NOT SCALE DRAWINGS.
 - ALL DIMENSIONS MUST BE FIELD VERIFIED AND CONFIRMED ON-SITE BY THE CONTRACTOR.
 - REPORT DEVIATIONS IN FIELD CONDITIONS OR DESIGN DRAWINGS TO THE CONTRACT ADMINISTRATOR.
 - THE CONTRACTOR IS RESPONSIBLE FOR SURVEYING AND ESTABLISHING ALL WORK ELEVATIONS, LINES AND POINTS.
 - THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND LOCATING ALL UTILITIES AND SERVICES ON THE SITE.
 - PROTECT EXISTING SITE STRUCTURES, UTILITIES AND TREES DURING THE WORK.
 - PROVIDE SITE CLEAN-UP AT THE END OF THE WORK, TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR.

ORIGINAL STAMPED BY: B.C.PIPIUTA, P.ENG.
DATE: 2012.08.24

No.	REVISION/DESCRIPTION	BY	DATE

DRAWN	MWK	CHECKED	DESIGNED	APPROVED
DATE	2012.07.24	USER	APPROVAL	

THE CITY OF WINNIPEG
PLANNING, PROPERTY AND DEVELOPMENT DEPARTMENT
MUNICIPAL ACCOMMODATIONS DIVISION
3-65 GARRY STREET, R3C 4K4

PROJECT
FORT GARRY LIBRARY
INTERIOR & EXTERIOR REFURBISHING DESIGN
1360 PEMBINA HIGHWAY

SHEET TITLE
PARTIAL SITE PLAN
NEW RAMP & PILE PLAN

SCALE	PROJECT No:	SHEET No:
AS SHOWN	2011-096	S2