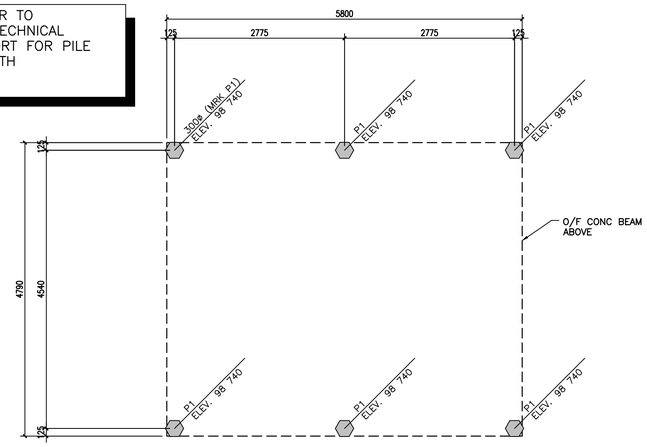
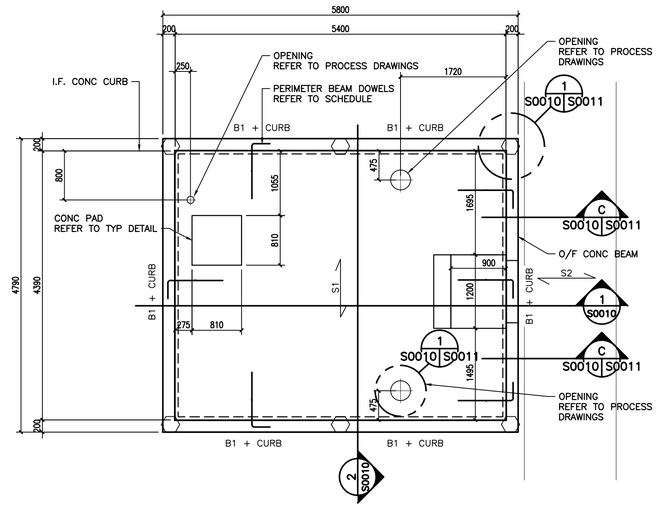
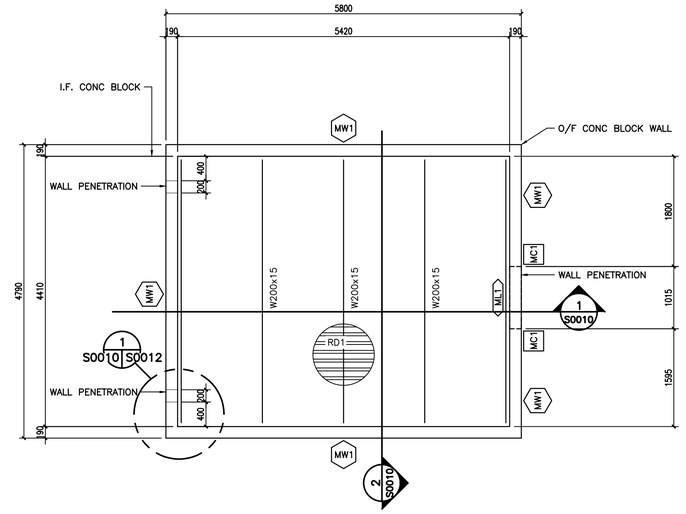
REFER TO GEOTECHNICAL REPORT FOR PILE LENGTH



1 S0010 FOUNDATION PLAN
1:50



2 S0010 MAIN FLOOR FRAMING PLAN
1:50



3 S0010 ROOF FRAMING PLAN
1:50

CONCRETE BEAM SCHEDULE

MARK	WIDTH (mm)	DEPTH (mm)	REINFORCEMENT	STIRRUPS	SKETCH	T/O BEAM ELEV
B1	250	900	2–20M T&B 10M MID EF @ 300 O/C	10M @ 300 O/C		99 640

NOTES:
–PROVIDE 12x400 PRESSURE TREATED (PT) PLYWOOD EACH SIDE (ES) OF VOIDFORM FOR ALL EXTERIOR GRADE BEAMS
–PROVIDE 2 LAYERS OF 150 DEEP CARDBOARD VOID FORM BELOW ALL GRADE BEAMS
–PROVIDE 30 SPACING BETWEEN HORIZONTAL REINFOCING ROWS
–REFER TO PLANS FOR EXTRA REINFORCING
–PROVIDE CORNER BARS TO MATCH HORIZONTAL BEAM REINFORCING
–REFER TO DETAIL F/S0011 FOR CONCRETE CURB DETAIL

SLAB REINFORCEMENT SCHEDULE

MARK	REINFORCEMENT				
	THICKNESS	DESCRIPTION/ASSEMBLY	REINFORCEMENT	DIRECTION	T/O SLAB ELEVATION
S1	200	CONCRETE SLAB ON 10 MIL POLY V BARRIER ON 6 MASONITE BOARD ON 2 LAYERS 150 CARDBOARD VOIDFORM	15M @ 300 O/C EW T&B	SEE BELOW	99 640
S2	125	CONCRETE SLAB ON 10 MIL POLY V BARRIER ON 6 MASONITE BOARD ON 2 LAYERS 150 CARDBOARD VOIDFORM	10M @ 300 O/C EW TOP	SEE BELOW	SLOPE TO DRAIN REFER TO CIVIL

SLAB REINFORCEMENT NOTES:

NOTE 1.	TYPICAL TOP BENT REINFORCEMENT FROM PERIMETER BEAMS SHALL BE 15M AT 300 O/C x 1800 LG UNLESS NOTED OTHERWISE.
NOTE 2.	REFER TO CIVIL DRAWINGS FOR ALL SLOPES AND ALL EXTERIOR ENTRANCE SLAB/SIDEWALK SIZES AND LOCATIONS

BAR PLACING ORDER:

MAIN REINF = ARROW DIRECTION ON PLAN	TOP UPPER LAYER
	BOTTOM LOWER LAYER
TRANVERSE REINF	TOP LOWER LAYER
	BOTTOM UPPER LAYER

MASONRY WALL SCHEDULE

MARK	WIDTH (MM)	BEARING TYPE	DESCRIPTION	REMARKS
MW1	190	LOAD BEARING	15M VERTS IN CONCRETE FILLED CORES @ 1200 O/C FULL HEIGHT 1–15M VERTS IN CONC FILLED CORES EACH SIDE (ES) OF OPENINGS FULL HEIGHT 1–15M VERTS IN CONC FILLED CORES AT CORNERS FULL HEIGHT	PROVIDE 15M x 900 LG DOWELS FROM CONC BEAM/WALL SPACING TO MATCH VERT WALL REINFOCING

NOTES:
–PROVIDE 200 DEEP BOND BEAM AT TOP OF ALL MASONRY WALLS R/W 2–15M HORIZ BOT
–PROVIDE 400 DEEP BOND BEAM BELOW ALL BEARING CONDITIONS AND AT EACH FLOOR LEVEL R/W 2–15M HORIZ T&B
–MIN LAP LENGTHS FOR 15M – 675mm
–REFER TO S0012 FOR TYPICAL CORNER WALL/INTERSECTION DETAILS/DETAILS BETWEEN MC2 AND CONTROL JOINT DETAILS

LOAD BEARING MASONRY COLUMN SCHEDULE

MARK NO	DESCRIPTION	LATERAL TIES	SKETCH	REMARKS
MC1	2 – 15M VERTICAL (2 EACH CORE) IN CONCRETE FILLED CORE	–		

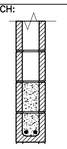
NOTES:
–ALL CORES CONTAINING REINFORCING TO BE CONCRETE FILLED.
–REINFORCING TO BE CONTINUOUS THROUGH LINTELS FOR FULL HEIGHT OF WALLS

LOAD BEARING MASONRY LINTEL SCHEDULE

MARK	SIZE	MATERIAL	REINFORCING STEEL	VERTICAL TIES	BEARING EACH END	REMARKS
ML1	190x400	CONC U–BLOCK	2–15M BOT	–	200	GROUT FILLED

NOTES:
–ALL CORES CONTAINING REINFORCING TO BE CONCRETE FILLED.
–REINFORCING TO BE CONTINUOUS THROUGH LINTELS FOR FULL HEIGHT OF WALLS
–WHERE BARS ARE REQUIRED AT TOP AND BOTTOM, PROVIDE 4–10M TIES @ 200 O/C @ EACH END OF LINTEL
–PROVIDE 90 COVER
–START TIE SPACING 75 MAX FROM EDGE OF OPENING. TYP EACH END
–NO CONCENTRATED LOADS ALLOWED FOR LINTELS USED FOR MISC OPENINGS
–REFER TO ARCHITECTURAL DRAWINGS FOR MISC OPENING SIZE AND LOCATIONS NOT SHOWN ON PLAN
–TIE HORIZONTAL BARS TO VERTICAL TIES

SKETCH:

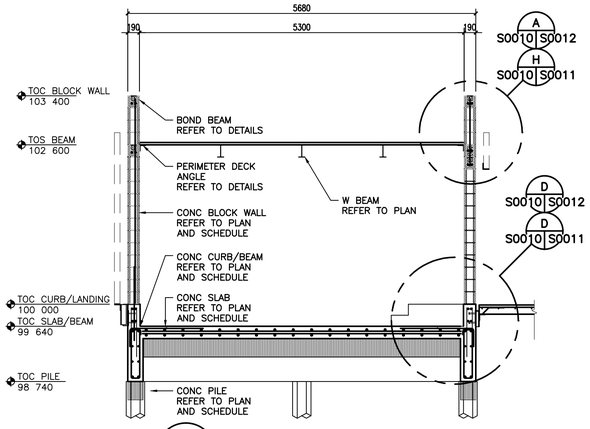


'ML1' SECTION

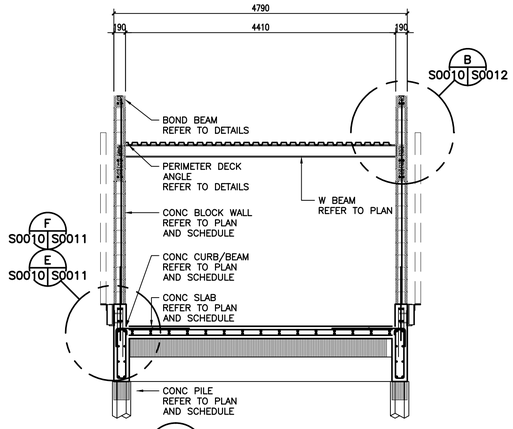
ROOF DECK FRAMING SCHEDULE

MARK	DESCRIPTION
RD1	38mmx0.76mm (1.5"x22ga) STEEL DECK W200x15 BEAM SPACED @ 1500 O/C MAX (5)

NOTES:
–PROVIDE JOIST BRACING AS REQUIRED
–PROVIDE ADDITIONAL CROSS–BRACING AS SHOWN ON PLAN



A S0010 BUILDING SECTION
1:50



B S0010 BUILDING SECTION
1:50

WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
SEE PROVINCIAL REGULATION 140/92 FOR DETAILS

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APEGM
Certificate of Authorization
Stantec Consulting Ltd.
No. 1301

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE _____ DATE _____

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. ELEV.

NO.	REVISIONS	DATE	BY
4	ISSUED FOR ADDENDUM 5	16.04.08	B.F.
3	ISSUED FOR TENDER	16.03.09	B.F.
2	ISSUED FOR TENDER REVIEW	16.03.07	B.F.
1	ISSUED FOR 95% REVIEW	16.01.29	B.F.

Stantec
500-311 Portage Ave, Winnipeg MB Canada
www.stantec.com

DESIGNED BY	B.F.	CHECKED BY	B.W.
DRAWN BY	C.J.U.	APPROVED BY	S.K.B.
HOR. SCALE:	AS NOTED	RELEASED FOR CONSTRUCTION:	
VERTICAL:			
DATE	2016.01.12	DATE	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
B. E. FRASER
Member 23402
REGISTERED PROFESSIONAL ENGINEER

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

NORTH END SEWAGE TREATMENT PLANT (NEWPCC)
HAULED LIQUID WASTE FACILITY PHASE II UPGRADE

STRUCTURAL FRAMING PLANS
AND LEACHATE SAMPLING BUILDING SECTIONS

TENDER NO. 952–2015
CITY DRAWING NUMBER I-0101A-S0010-001
SHEET 2 OF 6

PLOT DATE: 2016 04 08
BID OPPORTUNITY: 952–2015
FILE PATH: V:\1112\active\111216000\0300_drawing\0302_sheet_files\03_structural\
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