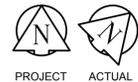
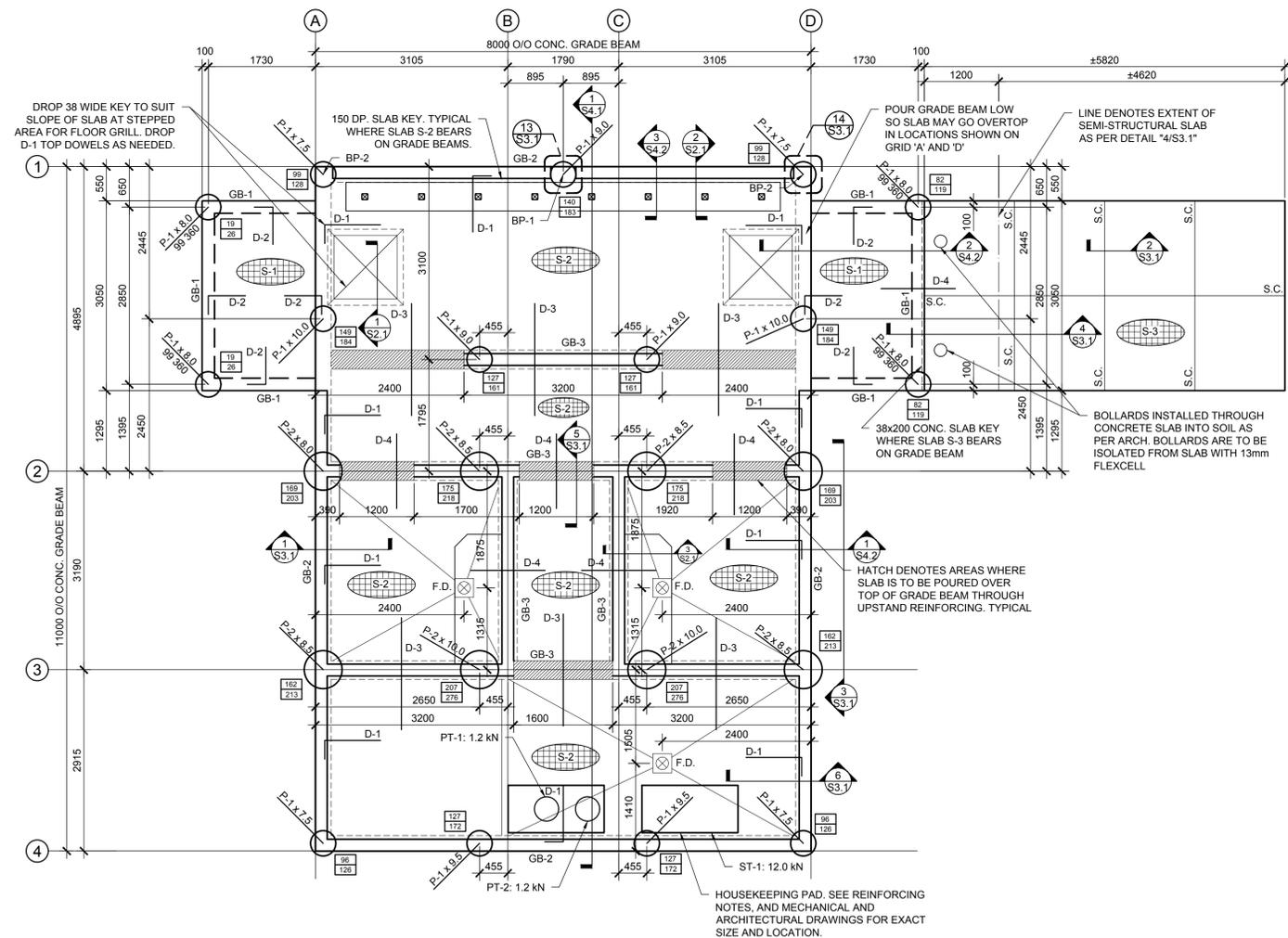


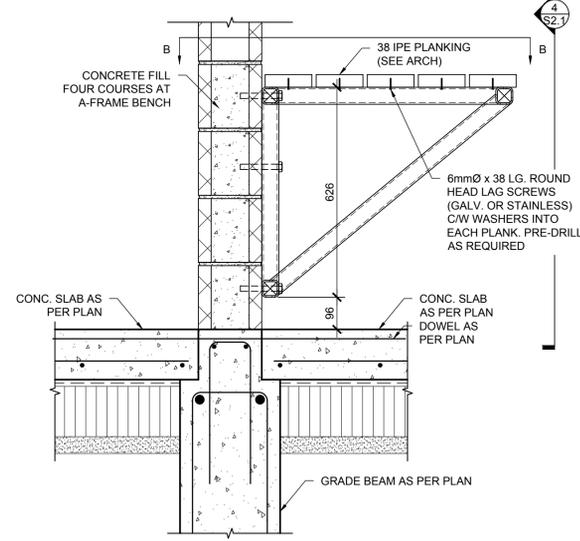
ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE CONSULTANT. NO REPRODUCTIONS MAY BE MADE WITHOUT THE CONSENT OF THE CONSULTANT AND ALL REPRODUCTIONS MUST BEAR THE NAME OF THE CONSULTANT. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DATUMS AND LEVELS NOTED ON THE DRAWINGS WITH THE CONDITIONS ON SITE AND SHALL BE RESPONSIBLE FOR REPORTING ANY ERRORS OR OMISSIONS TO THE ENGINEER FOR ADJUSTMENTS. THIS DRAWING SHALL NOT BE SCALED.



FOUNDATION/ MAIN FLOOR PLAN

SCALE: 1:50
FOUNDATION LOADING:
 DEAD LOAD (TYPICAL) = 5.0 kPa
 DEAD LOAD (MECH/ELEC) = 6.8 kPa
 LIVE LOAD = 4.8 kPa
 LIVE LOAD (MECH/ELEC) = 7.2 kPa

PLAN NOTES:
 - SEE PLANS, SECTIONS, DETAILS, AND ARCHITECTURAL DRAWINGS FOR T.O. CONCRETE ELEVATIONS AND SLOPE OF SLABS.
 - GRIDS ARE TO FACE OF GRADE BEAM OR CENTERLINE OF GRADE BEAMS U/N.
 - CONFIRM OPENING LOCATIONS IN STRUCTURAL SLABS WITH ARCH, MECH/ELEC, AND STRUCT DRAWINGS.
 - CONFIRM WEIGHT, SIZE, AND LOCATION OF ALL MECHANICAL AND ELECTRICAL UNITS BEING SUPPORTED ON SLAB WITH MECHANICAL AND ELECTRICAL DRAWINGS.
 - COORDINATE ALL MISCELLANEOUS STEEL WITH ARCHITECTURAL DRAWINGS.
 - 'F.D.' DENOTES A FLOOR DRAIN. CONFIRM LOCATION WITH ARCH DRAWINGS.



3 A-FRAME BENCH DETAIL
 S2.1 SCALE: 1:10

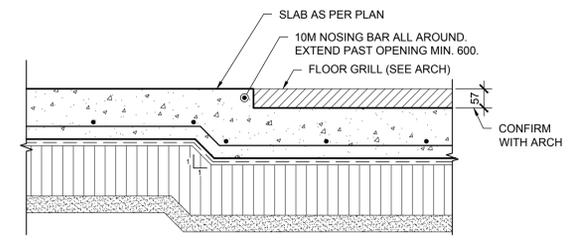
PILE SCHEDULE		CAST IN PLACE PILE DETAIL	
MARK	DESCRIPTION	PILE REINFORCING	
P-1	406 Ø C.I.P. PILE	2-20M x 1220 LONG DOWELS INTO CONCRETE GRADE BEAM	450 FOR GB-1, 600 FOR GB-2 & GB-3.
P-2	610 Ø C.I.P. PILE	GREASED POLY-WRAPPED SONOTUBE FOR TOP 1800 OF PILE WHERE INSTALLED IN UNHEATED AREAS. SEE GEOTECH REPORT	PILE (SEE PLAN)

SLAB SCHEDULE	
MARK	DESCRIPTION
S-1	150 CONC. STRUCTURAL SLAB 10 OSB SHEATHING 150 VOID FORM 50 LEVELLING SAND REINF: 15M @ 400 O.C. E.W. BOTTOM BLL IN SHORT DIRECTION
S-2	150 CONC. STRUCTURAL SLAB 10 MIL POLY V.B. 10 OSB SHEATHING 150 VOID FORM 50 LEVELLING SAND REINF: 15M @ 300 O.C. E.W. BOTTOM BLL IN SHORT DIRECTION
S-3	200 CONC. SLAB ON GRADE 300 MIN. COMPACTED GRANULAR ON COMPACTED SUBGRADE (SEE GEOTECH REPORT) REINF: 15M @ 400 O.C. E.W. CENTRE OF SLAB SAWCUTS AS PER PLAN

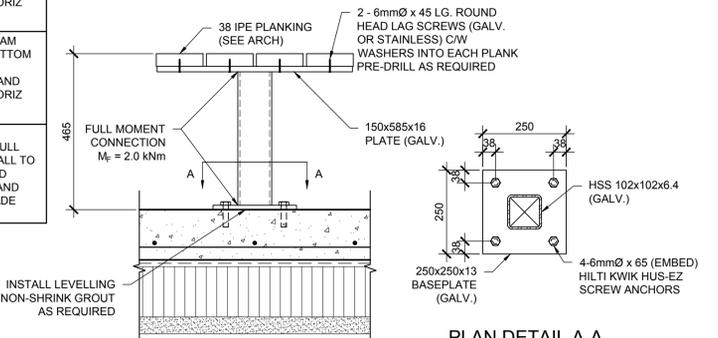
GRADE BEAM SCHEDULE	
MARK	DESCRIPTION
GB-1	200x600 CONC. GRADE BEAM REINF: 2-20M TOP AND BOTTOM 10M STIRRUPS @ 300 O.C.
GB-2	250x600 CONC. GRADE BEAM REINF: 2-25M TOP AND BOTTOM 10M STIRRUPS @ 300 O.C. C/W 190x150 CONC. UPSTAND UPSTAND REINF: 2-15M HORIZ 10M @ 300 O.C.
GB-3	300x600 CONC. GRADE BEAM REINF: 2-25M TOP AND BOTTOM 10M STIRRUPS @ 300 O.C. C/W 190x150 CONC. UPSTAND UPSTAND REINF: 2-15M HORIZ 10M @ 300 O.C.

NOTES:
 - 'BLL' REFERS TO BOTTOM LOWER LAYER OF REINFORCING.
 - STEP AND SLOPE SLABS AS INDICATED ON ARCH DRAWINGS.
 - SLAB DEPTH AS SPECIFIED IN SCHEDULE IS TO BE MAINTAINED THROUGHOUT.

DOWEL SCHEDULE	
MARK	DESCRIPTION
D-1	15M x 1200 LG. DOWELS @ 300 O.C. AT TOP OF SLAB
D-2	15M x 900 LG. DOWELS @ 400 O.C. AT TOP OF SLAB
D-3	15M x 1800 LG. DOWELS @ 300 O.C. AT TOP OF SLAB
D-4	15M x 1200 LG. DOWELS @ 300 O.C. AT TOP OF SLAB

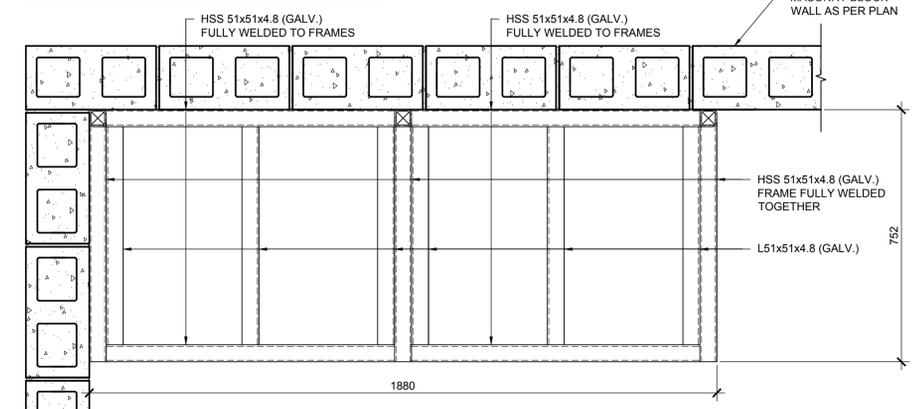


1 SLAB STEP DETAIL
 S2.1 SCALE: 1:10

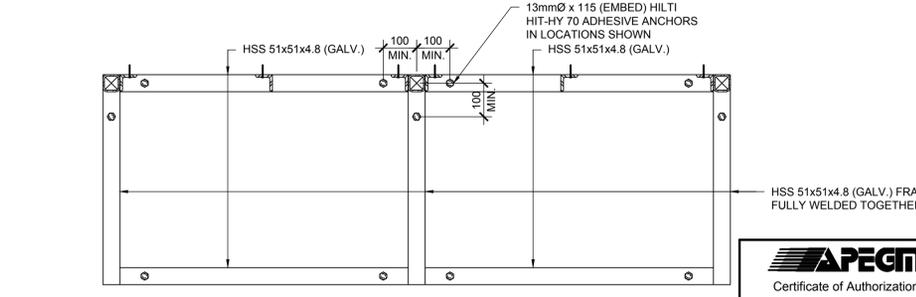


2 CANTILEVER BENCH DETAIL
 S2.1 SCALE: 1:10

PLAN DETAIL A-A
 SCALE: 1:10



PLAN DETAIL B-B
 SCALE: 1:10



4 A-FRAME BENCH ELEVATION
 S2.1 SCALE: 1:10



Revisions	
Date	Revision
17.05.30	ISSUED FOR CONSTRUCTION

Prime Consultant:
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Stamp: PROVINCE OF MANITOBA
 May 30, 2017
 Stamp: STRUCTURAL ONLY
 - CONTACT ENGINEER WHEN INSPECTIONS ARE REQUIRED

Project
La Barriere Park Washroom Replacement
 La Barriere Park, Manitoba

APECM
 Certificate of Authorization
 KNH Sawatzky & Associates Ltd.
 No. 1193 Date: May 30, 2017

drawing title			
FOUNDATION/MAIN FLOOR PLAN			
scale	as noted	designed by	js/mi
date	May 2017	drawn by	js
project no.	337-2017	approved by	mi
reference no.	16.235	sheet	S2.1