RIVERVIEW LONG TERM CARE FACILITY

TP1 & TP2

JOB# 15010

Prince Edward Island
CANADA

Public Works and Planning Division
Transportation, Infrastructure & Energy

Tel 902 368 5160
Fax 902 569 0590
www.gov.pe.ca/

PO Box 2000
Charlottetown
Prince Edward Island
Canada C1A 7N8

Revision Number	Revision Description	Revision Date
4	TP1 & TP2 ISSUED FOR TENDER	2016.04.21

- CONTRACTOR SHALL CHECK ALL DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE OWNER BEFORE PROCEEDING WITH WORK.
- ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE OWNER AND MUST BE RETURNED AFTER COMPLETION OF THE WORK.
- DRAWINGS SHALL NOT BE SCALED.
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ARCHITECTS:

63 Fitzroy St.
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BERGMARK GUIMOND HAMMARLUND JONES ARCHITECTS

CONSULTANT:

PROJECT:

RIVERVIEW LONG TERM CARE FACILITY

MONTAGUE, PE

DRAWING TITLE:

COVER SHEET

DATE: 11/17/15	FILE NO: 15010
SCALE:	
DRAWN: SM	DWG: A000
CHECKED: DB	

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GENERAL NOTES:

1. **CONTRACTOR TO VERIFY LOCATION AND INVERT OF EXISTING SERVICES (BY OTHERS) PRIOR TO CONSTRUCTION. ALL DAMAGE TO EXISTING INFRASTRUCTURE IS THE RESPONSIBILITY OF THE CONTRACTOR.**
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES AND HAVE THEM LOCATE ALL EXISTING UNDERGROUND INFRASTRUCTURE PRIOR TO START OF CONSTRUCTION. CONTRACTOR TO EXPOSE AND WORK AROUND ALL EXSITING INFRASTRUCTURE WITHIN AREAS TO BE EXCAVATED.
3. ELEVATIONS ARE REFERENCED TO CANADIAN GEODETIC VERTICAL DATUM OF 2013 (CGVD2013) DEFINED BY THE EQUIPOTENTIAL SURFACE (W0=62,636,856.0m²s-2), WHICH REPRESENTS BY CONVENTION THE COASTAL MEAN SEA LEVEL FOR NORTH AMERICA. PEI GRID MON NUMBER 5851 HAS AN OBSERVED ELEVATION OF 19.197 METRES IN CGVD2013.
4. MINIMUM COVER TO TOP OF WATERMAIN IS 1.8m BELOW FINISHED GRADE UNLESS NOTED OTHERWISE.
5. INSTALL WATERMAIN WITHOUT REVERSE GRADES OR ISOLATED HIGH POINTS.
6. SURVEY & TOPO DATA COLLECTED DURING THE PERIOD JULY 2015 TO MARCH 2016.
7. CONTRACTOR TO REFER TO GEOTECHNICAL REPORT BY STANTEC FOR EXISTING SUBSURFACE CONDITIONS AND REQUIREMENTS FOR PROVIDING SUBBASE FOR CONSTRUCTION.
8. CONTRACTOR TO CO-ORDINATE WITH ADDITIONAL INFORMATION FOUND ON ARCHITECTURAL, STRUCTURAL, ELECTRICAL & MECHANICAL PLANS.

LEGEND:

- NEW LD ASPHALT
- NEW HEAVY DUTY ASPHALT
- NEW CONCRETE SIDEWALK
- NEW GRAVEL PATH
- EX. PROPERTY
- EX. SPOT ELEVATION + 37.21
- NEW SPOT ELEVATION + 37.21
- NEW SWALE
- NEW CULVERT
- NEW MH
- EXISTING MH
- EX. SANITARY MAIN
- NEW SANITARY MAIN
- NEW CONTOUR LINE
- EX. CONTOUR LINE
- NEW WATER SERVICE
- EXISTING WATER MAIN
- EXISTING CB
- NEW CB
- EXISTING STORM PIPE
- NEW STORM PIPE
- EXTENT OF CONTRACT

Revision Number	Revision Description	Revision Date
1	99% SUBMISSION	03/14/16

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No. 589
PRINCE EDWARD ISLAND

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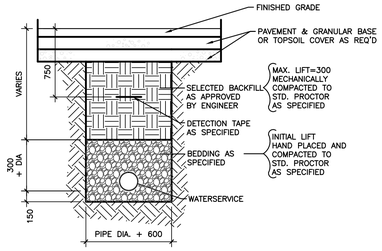
PROJECT:

MONTAGUE RIVERVIEW MANOR

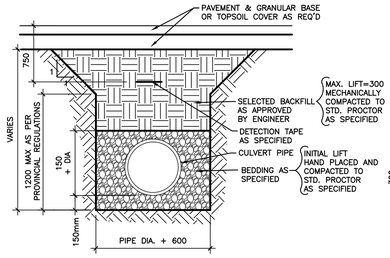
DRAWING TITLE:

SITE PLAN

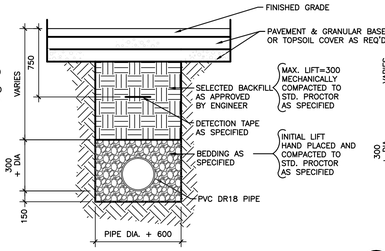
DATE: 2016.19.02	FILE NO:
SCALE: 1 : 250	
DRAWN: CM	DWG: C1
CHECKED: CM	



1 TYPICAL WATER SERVICE TRENCH
SCALE N.T.S.



2 TYPICAL STORM PIPE DETAIL
SCALE N.T.S.



3 TYPICAL SPRINKLER SERVICE TRENCH
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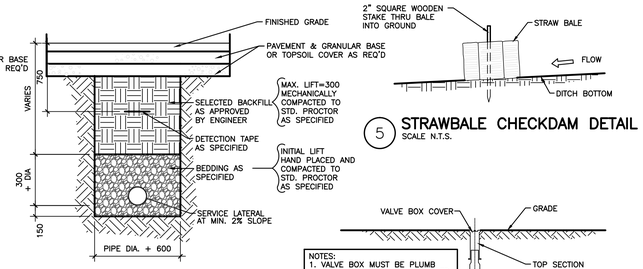

4 TYPICAL SEWER SERVICE TRENCH
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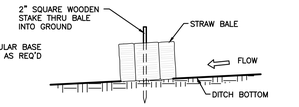

5 STRAWBALE CHECKDAM DETAIL
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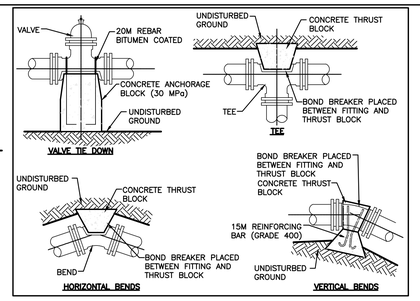


MINIMUM CONTACT AREAS FOR CONCRETE THRUST BLOCKS

PIPE DIA.	AREA (m²) FOR SOIL SUPPORTING CAPACITY OF 100 kPa					
mm	CAP OR PLUG	TEE	90° BEND	45° BEND	22.5° BEND	11.25° BEND
100	0.25	0.25	0.32	0.20	0.16	0.16
150	0.48	0.48	0.64	0.40	0.24	0.16
200	0.80	0.80	1.12	0.64	0.32	0.16
250	1.28	1.28	1.76	0.96	0.48	0.24
300	1.76	1.76	2.56	1.44	0.72	0.40

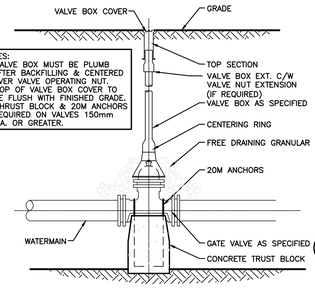
MIN. DISTANCE FROM FITTING TO UNDISTURBED GROUND

PIPE DIA.(mm)	mm
100	450
150	450
200	450
250	600
300	750

VERTICAL THRUST BLOCKS
THRUST COMPENSATED FOR BY MASS OF CONCRETE (m³)

PIPE DIA.(mm)	45° BEND	22.5° BEND	11.25° BEND
100	0.40	0.20	0.20
150	0.80	0.40	0.40
200	1.40	0.70	0.70
250	2.10	1.10	1.10
300	3.00	1.50	1.50

11 TYPICAL THRUST BLOCK DETAILS
SCALE N.T.S.

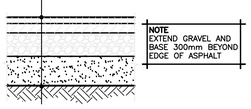


NOTES:
1. VALVE BOX MUST BE PLUMB AFTER BACKFILLING & CENTERED OVER VALVE OPERATING NUT.
2. TOP OF VALVE BOX COVER TO BE FLUSH WITH FINISHED GRADE.
3. THRUST BLOCK & 20M ANCHORS REQUIRED ON VALVES 150mm DIA. OR GREATER.

10 TYPICAL VALVE BOX DETAIL
SCALE N.T.S.

HEAVY DUTY CONSTRUCTION

50mm ASPHALT (B-SEAL)
75mm ASPHALT (A-BASE)
250mm GRANULAR BASE CLASS 'A'
300mm MIN. SELECT BORROW
UNDISTURBED SOIL OR SELECT BORROW

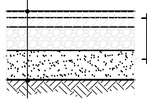


NOTE
EXTEND GRAVEL AND BASE 300mm BEYOND EDGE OF ASPHALT

6 HEAVY DUTY ASPHALT SECTION
SCALE N.T.S.

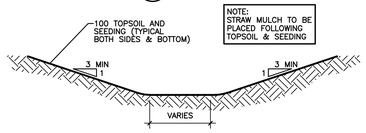
PARKING LOT CONSTRUCTION

40mm ASPHALT (B-SEAL)
60mm ASPHALT (A-BASE)
150mm GRANULAR BASE CLASS 'A'
300mm MIN. SELECT BORROW
UNDISTURBED SOIL OR SELECT BORROW



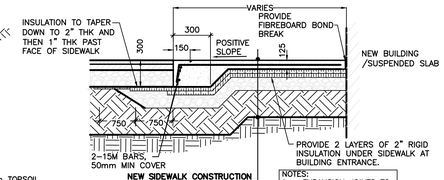
NOTE
EXTEND GRAVEL AND BASE 300mm BEYOND EDGE OF ASPHALT

7 LIGHT DUTY ASPHALT SECTION
SCALE N.T.S.



NOTE:
STRAW MULCH TO BE PLACED FOLLOWING TOPSOIL & SEEDING

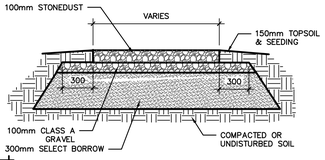
8 DRAINAGE SWALE DETAIL
SCALE N.T.S.



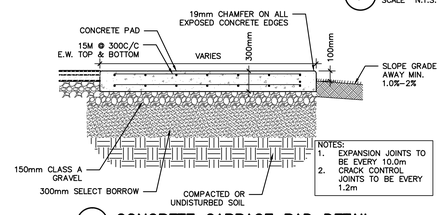
NEW SIDEWALK CONSTRUCTION
125 CONCRETE R/W
152x152xMW18.7xMW18.7 WWF
100 HI60 RIGID INSULATION
600 GRANULAR BASE
300 SELECT BORROW

NOTES:
1. EXPANSION JOINTS TO BE EVERY 10.0m
2. CRACK CONTROL JOINTS TO BE EVERY 1.2m

9 TYPICAL FRONT ENTRANCE SIDEWALK SECTION
SCALE N.T.S.

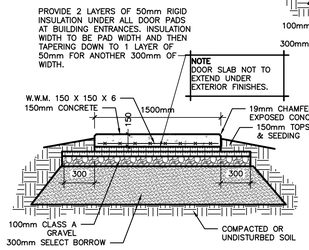


14 GRAVEL PATH
SCALE N.T.S.



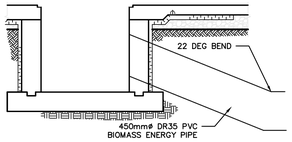
NOTES:
1. EXPANSION JOINTS TO BE EVERY 10.0m
2. CRACK CONTROL JOINTS TO BE EVERY 1.2m

12 CONCRETE GARBAGE PAD DETAIL
SCALE N.T.S.

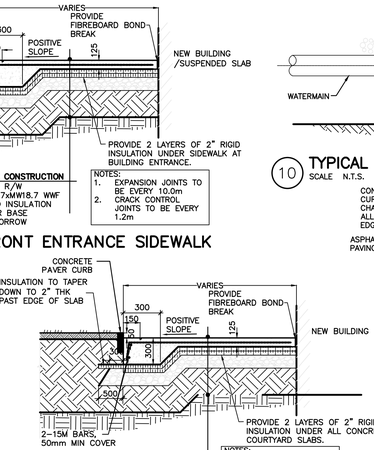


NOTE
DOOR SLAB NOT TO EXTEND UNDER EXTERIOR FINISHES.

13 TYPICAL CONCRETE DOOR PADS
SCALE N.T.S.



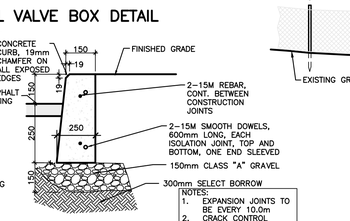
BIOMASS ENERGY PIT CONNECTION
SCALE = N.T.S.
20



NEW CONCRETE COURTYARD CONSTRUCTION
125 CONCRETE R/W
152x152xMW18.7xMW18.7 WWF
100 HI60 RIGID INSULATION
600 GRANULAR BASE
300 SELECT BORROW

NOTES:
1. EXPANSION JOINTS TO BE EVERY 10.0m
2. CRACK CONTROL JOINTS TO BE EVERY 1.2m

15 COURTYARD CONCRETE SLAB SECTION
SCALE N.T.S.



NOTES:
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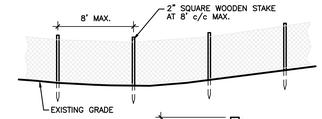
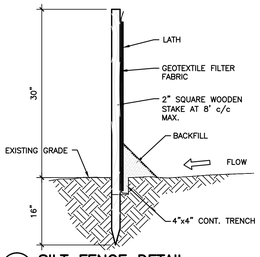
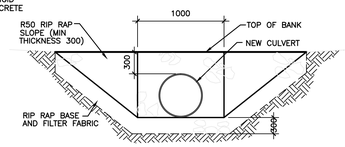
2. CRACK CONTROL JOINTS TO BE EVERY 1.2m

16 TYPICAL BARRIER CURB DETAIL
SCALE N.T.S.

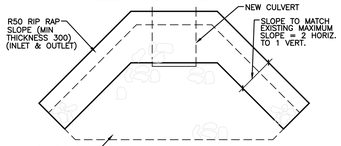




17 SILT FENCE DETAIL
SCALE N.T.S.

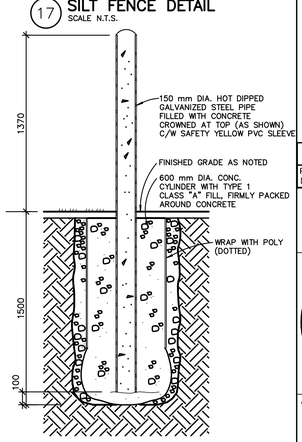


ELEVATION VIEW



PLAN VIEW

23 CULVERT W/ HEADWALL DETAIL
SCALE N.T.S.



24 TYPICAL BOLLARD DETAIL
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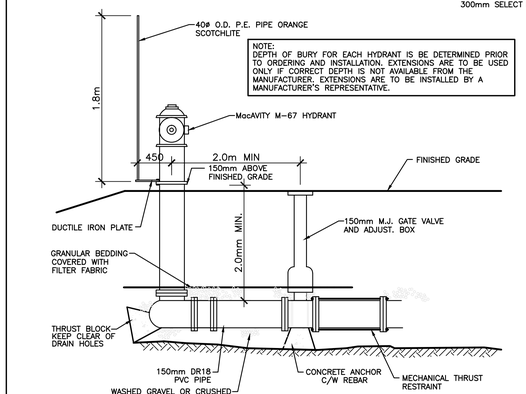
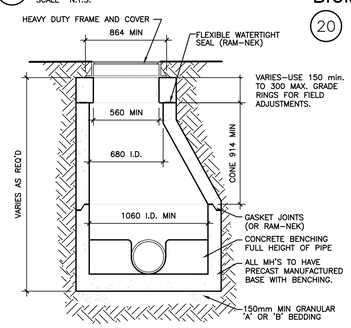
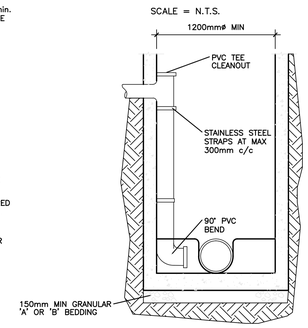


NOTE:
DEPTH OF BURY FOR EACH HYDRANT IS BE DETERMINED PRIOR TO ORDERING AND INSTALLATION. EXTENSIONS ARE TO BE USED ONLY IF CORRECT DEPTH IS NOT AVAILABLE FROM THE MANUFACTURER. EXTENSIONS ARE TO BE INSTALLED BY A MANUFACTURER'S REPRESENTATIVE.

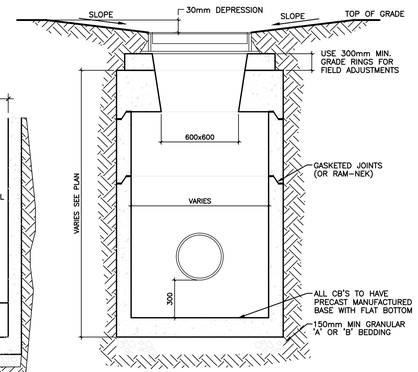
18 FIRE HYDRANT DETAIL
SCALE N.T.S.



19 TYPICAL MANHOLE
SCALE N.T.S.



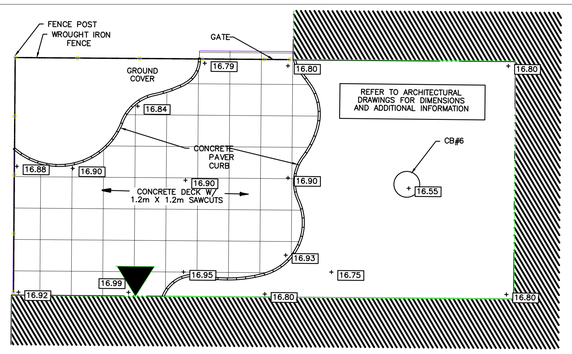
21 TYPICAL DROP MANHOLE DETAIL
SCALE N.T.S.



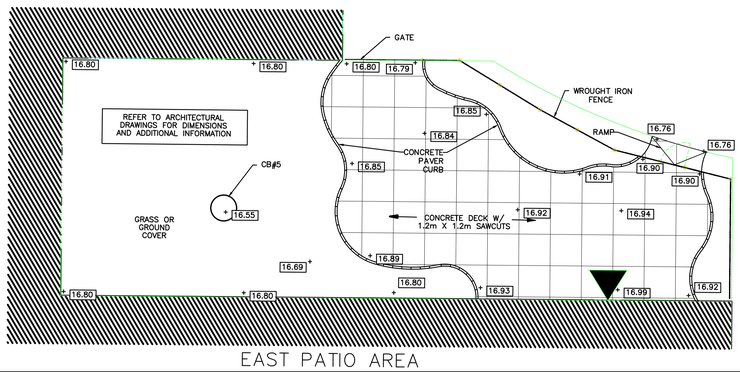
22 TYPICAL CATCHBASIN / CATCHPIT
SCALE N.T.S.

SLAB THICKNESS	CONTROL JOINT DEPTH (D/4)
100mm	25mm
150mm	38mm

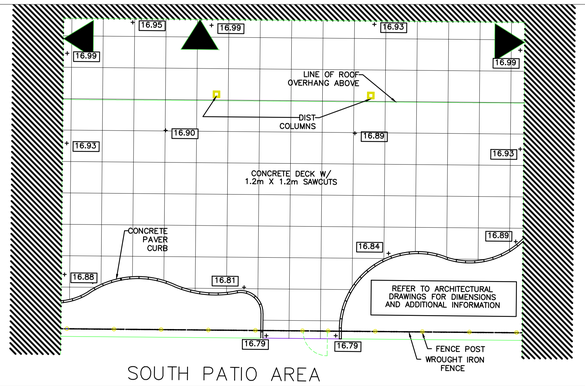
25 TYPICAL CONTROL JOINT



WEST PATIO AREA



EAST PATIO AREA



SOUTH PATIO AREA

Prince Edward Island
CANADA

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CONSULTANT:

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Phone: (902) 628-8620, Fax: (902) 892-8620

PROJECT:

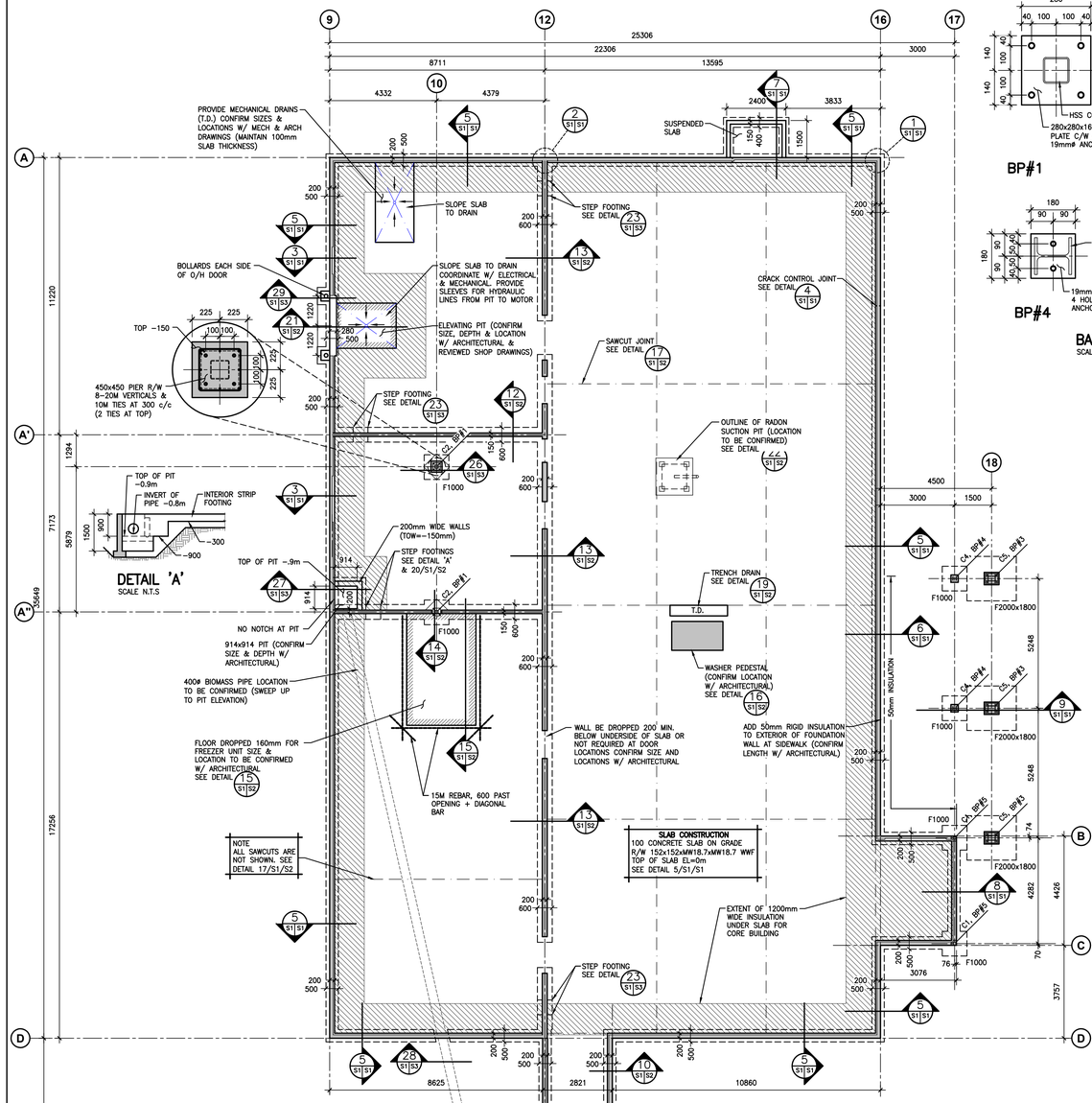
MONTAGUE RIVERVIEW MANOR

Enter address here

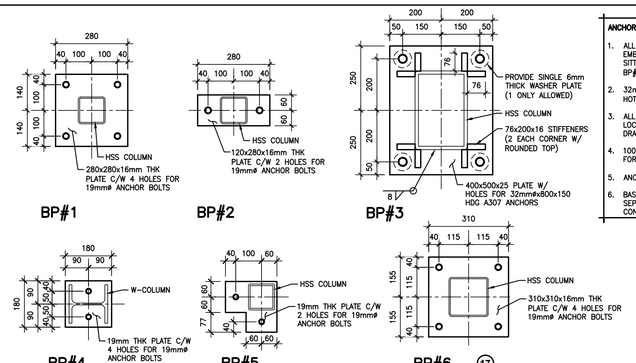
DRAWING TITLE:

GENERAL SITE LAYOUT

DATE:	2016.19.02	FILE NO:	
SCALE:	AS NOTED		
DRAWN:	CM	DWG:	C2
CHECKED:	CM		



FOUNDATION PLAN (CENTRAL CORE)
SCALE 1:100



BASEPLATE SCHEDULE
SCALE N.T.S.

ANCHOR BOLT NOTES:

1. ALL COLUMN ANCHOR BOLTS TO BE 19mmø, W/450 EMBEDMENT PLUS 75 LEG U.N.O. EXCEPT FOR COLUMNS SITTING DIRECTLY ON FOOTINGS OR SHORT PIERS. BP#3 REQUIRES 32mmø x800x150 ANCHORS.
2. 32mmøx800x150 ANCHORS FOR EXTERIOR CANOPY TO BE HOT DIPPED GALVANIZED C/W NUTS & WASHERS.
3. ALL ANCHOR BOLT GROUPS, ORIENTATION AND RELATIVE LOCATIONS TO BE SURVEYED ON SITE PRIOR TO SHOP DRAWING PREPARATION.
4. 100mm EXPOSED TREADS FOR INTERIOR COLUMNS TO ALLOW FOR 19mm GROUT, 16mm BASE PLATES AND 2 NUTS.
5. ANCHOR BOLTS ARE CAN/CSA-G40.21, GRADE A307.
6. BASEPLATE SIZE, SHAPE AND HOLE LOCATIONS TO BE SEPARATELY DETAILED AS REQUIRED TO MEET ON SITE CONDITIONS PRIOR TO SHOP DRAWING PREPARATION.

CONCRETE WORKS:

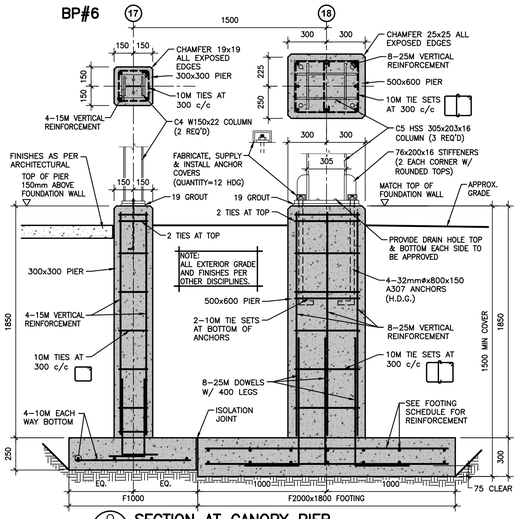
1. ALL FOOTINGS TO EXTEND TO UNDISTURBED SOIL OR STRUCTURAL FILL, MINIMUM SOIL CAPACITY OF 150 KPa.
2. ALL FOOTINGS AND FOUNDATION WALLS FORMWORKS TO BE INSPECTED PRIOR TO CONCRETE PLACEMENT.
3. MINIMUM EFFECTIVE COVER FOR FROST PROTECTION TO BOTTOM OF FOOTINGS IS 1500mm.
4. CONCRETE MATERIALS AND METHODS OF CONSTRUCTION (INCLUDES STRENGTH REQUIREMENTS) IN ACCORDANCE WITH CAN3-A23.1-M94. MINIMUM CONCRETE STRENGTH AT 28 DAYS.
   - 25 MPa MEETING CLASS F2 FOR ALL FOOTINGS & FOUNDATION WALLS.
   - 20 MPa MEETING CLASS N FOR ALL INTERIOR SLABS ON GRADE.
   - 25 MPa MEETING CLASS N FOR ALL INTERIOR SUSPENDED SLABS.
   - 32 MPa MEETING CLASS C2 FOR ALL EXTERIOR FLATWORKS, CURBS, SIDEWALKS, GUTTERS, RAMPS & EXTERIOR SUSPENDED SLABS AT GRADE LEVEL.
5. ALL ANCHOR BOLTS ARE TO BE SET BY TEMPLATE PRIOR TO THE CONCRETE POUR.
6. ALL DOOR LOCATIONS AND DIMENSIONS TO BE CONFIRMED WITH THE CONSULTANT, PRIOR TO THE CONCRETE POUR.
7. TYPICAL SLAB ON GRADE IS 100mm R/W 152x152x18.7MWx18.7MW, SUPPLIED IN FLAT SHEETS ONLY.
8. CURING COMPOUNDS OR WET CURING REQUIRED. MATERIALS AND PROCEDURES USED SUBJECT TO APPROVAL OF ENGINEER (SEE SPECIFICATIONS) AND CONFORMANCE WITH FLOOR FINISHES.
9. WHEN ISOLATED SLAB AREAS ARE NOT COMPLETELY PLACED, SLAB CONSTRUCTION JOINT AS DETAILED ARE REQUIRED.
10. DISCONTINUE INTERIOR FOUNDATION WALLS AT DOORS OR OTHER OPENINGS (AS DETAILED) TO ALLOW SLAB TO RUN OVER FOOTING.
11. OPENINGS RECESSES AND ELEVATION REQUIREMENTS FOR INTERIOR SLABS AS PER ARCHITECTURAL DRAWINGS.
12. AT EXTERIOR DOORWAY LOCATIONS, INTERIOR SLAB EXTENDS INTO FOUNDATION WALL (AS DETAILED).
13. THE CONTRACTOR IS TO VERIFY FLOOR DRAIN LOCATIONS, SLOPES, & DIMENSIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
14. PROVIDE CRACK CONTROL JOINTS EVERY 12m ALONG LENGTH OF PERIMETER FOUNDATION WALL.
15. ALL INTERIOR FOOTINGS TO BE STEPPED DOWN TO FOOTINGS AT EXTERIOR WALLS.
16. 38mm OF TYPE '4' INSULATION IS TO BE INCLUDED ON THE INSIDE FACE OF ALL EXTERIOR FOUNDATION WALLS AND UNDER SLABS W/ IN-FLOOR HEATING, SEE DETAILS AND MECHANICAL FOR LOCATIONS.

REINFORCING NOTES:

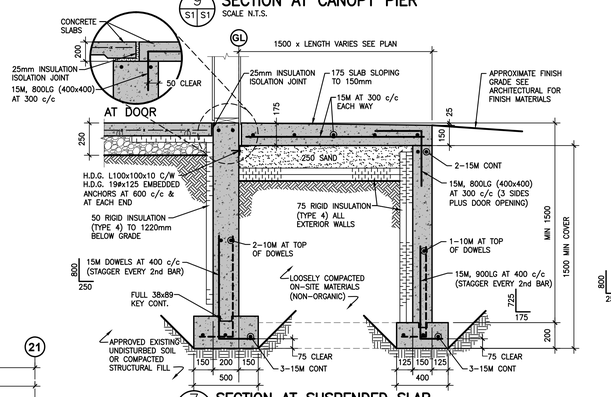
1. REINFORCEMENT SHALL BE BILLET STEEL CONFORMING TO THE FOLLOWING STANDARDS.
   a) CSA G30.18 – GRADE 400MPa – 10M AND LARGER
   b) CSA G30.5 – WELDED WIRE MESH.
   c) CSA G30.15 – DEFORMED WELDED WIRE MESH.
2. CONCRETE COVER: UNLESS NOTED OTHERWISE ON THE DRAWINGS, CONCRETE COVER IN mm OVER REINFORCEMENT.
   a) SURFACE PLACED IN CONTACT WITH GROUND 75mm
   b) FORMED SURFACE EXPOSED TO GROUND OR WEATHER . . 50mm
   c) COLUMNS/PILASTERS/PIERS (TO TIES) 38mm
   d) SLABS ON GRADE . . . . . MIDDLE OF SLAB
   e) WALLS 38mm

SAW CUTS: (SLABS ON GRADE)

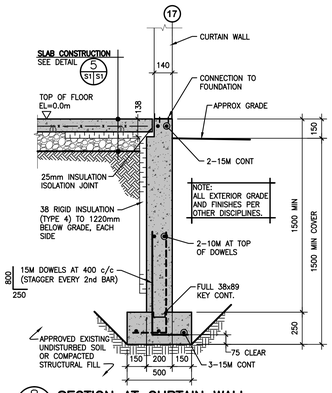
1. SAW CUTTING IS TO BEGIN AS SOON AS POSSIBLE AND PRIOR TO EXCESSIVE RAVELING AND IMMEDIATELY AFTER THE SLAB CURING TEMPERATURE HAS PEAKED.
2. SAW CUTTING MAY BE REQUIRED AT NIGHT. OR WEEKENDS AND THE CONTRACTOR IS TO PLAN FOR THIS.
3. JOINT FILLING TO PROCEED AFTER SUITABLE CURING PERIOD (MIN. 28 DAYS). JOINT EDGES TO BE PROTECTED FROM DAMAGE WITH A TEMPORARY BACKER ROD IF NECESSARY, FINAL JOINT FILLER TO BE SEMI RIGID TYPE, SIKADUR OR LOADFLEX BY STERNSON OR AN APPROVED EQUAL.
4. SAW BLADES TO BE 4mm (3/16") DIAMOND TIPPED.
5. SAWCUTS AT 5m ON c/c MAX. BOTH WAYS (APPROX.) AND UNDER PARTITION WALLS WHERE POSSIBLE, AND AT ALL INTERIOR STRESS POINTS (ie. INTERIOR CORNERS).



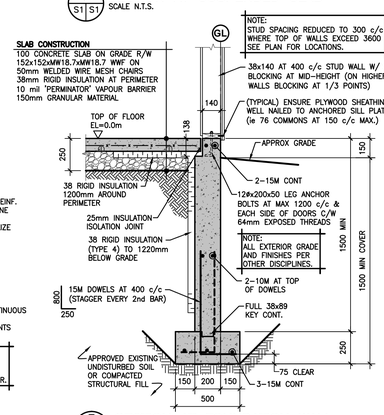
SECTION AT CANOPY PIER
9 S1 S1 SCALE N.T.S.



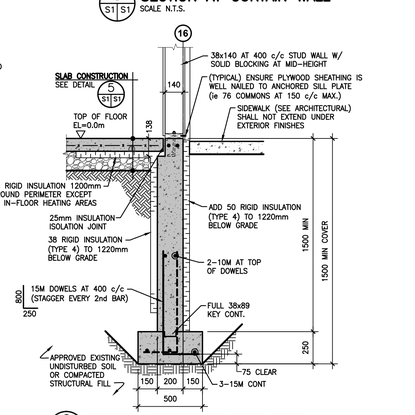
SECTION AT SUSPENDED SLAB
7 S1 S1 SCALE N.T.S.



SECTION AT CURTAIN WALL
8 S1 S1 SCALE N.T.S.



SECTION AT FOUNDATION WALL
5 S1 S1 SCALE N.T.S.



SECTION AT FOUNDATION WALL
6 S1 S1 SCALE N.T.S.

COLUMN SCHEDULE

C1	HSS 102x102x4.8
C2	HSS 127x127x4.8
C3	HSS 152x152x6.4
C4	W150x22
C5	HSS 305x203x16
C6	3 PLY 38x140 BUILT-UP COLUMN

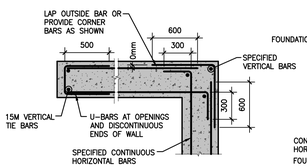
FOOTING SCHEDULE

ID	SIZE	REINFORCEMENT
F900	900x900x250	4-10M EACH WAY BOTTOM
F1000	1000x1000x250	4-10M EACH WAY BOTTOM
F1200	1200x1200x250	5-10M EACH WAY BOTTOM
F1500	1500x1500x300	6-15M EACH WAY BOTTOM
F1800	1800x1800x350	7-15M EACH WAY BOTTOM
F2000x1800	2000x1800x300	7-15M EACH WAY TOP & BOTTOM

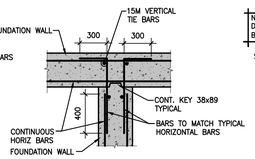
NOTE S1, S2 AND S3:
WHERE HORIZONTAL CONCRETE SUCH AS SLABS MEET WALL CONCRETE PROVIDE ISOLATION JOINT BETWEEN CONCRETE. PROVIDE 25mm INSULATION ISOLATION JOINTS AT EXTERIOR LOCATIONS.

NOTE:
PROVIDE CRACK CONTROL JOINTS EVERY 12m ALONG LENGTH OF PERIMETER FOUNDATION WALL.

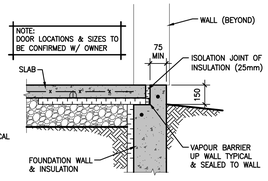
NOTES:
1. VAPOUR BARRIER MUST BE SEALED W/ AIR TIGHT CONNECTION TO ALL FOUNDATION WALLS.
2. VAPOUR BARRIER INTERIOR JOINTS MUST BE AIRTIGHT USING TAPE OR OTHER MANUFACTURER APPROVED PRODUCT.



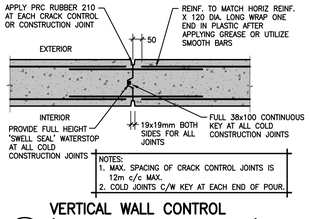
TYP HORIZ REINF AT CORNERS OF WALLS
1 S1 S1 SCALE N.T.S. (ALL LEVELS)



TYP HORIZ REINF AT INTERSECTION OF WALLS
2 S1 S1 SCALE N.T.S. (ALL LEVELS)



SLAB AT EXTERIOR DOOR(s)
3 S1 S1 SCALE N.T.S.



NOTES:
1. MAX. SPACING OF CRACK CONTROL JOINTS IS 12m c/c MAX.
2. COLD JOINTS C/W KEY AT EACH END OF POUR.

VERTICAL WALL CONTROL (AND CRACK CONTROL JOINT)
4 S1 S1 SCALE N.T.S.

GENERAL NOTES:

1. ALL STRUCTURAL DESIGN AND CONSTRUCTION TO BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE – 2010 AND ALL ASSOCIATED DOCUMENTS.
2. ALL DIMENSIONAL AND ELEVATIONAL REQUIREMENTS ARE TO BE CONFIRMED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS AND ONSITE CONDITIONS. ARCHITECTURAL REQUIREMENTS MAY SUPERCEDE ELEVATIONAL AND DIMENSIONAL DETAILS OF THE STRUCTURAL DRAWINGS.
3. THIS SET OF DRAWINGS SHOWS THE COMPLETED PROJECT. IT DOES NOT INCLUDE COMPONENTS THAT MAY BE NECESSARY FOR CONSTRUCTION SAFETY. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY IN AND ABOUT THE JOB SITE DURING CONSTRUCTION, AND FOR THE DESIGN AND ERECTION OF ALL TEMPORARY STRUCTURES, SUCH AS FORMWORK, FALSE WORK AND SHORING, REQUIRED TO COMPLETE THE WORK.
4. THE GENERAL CONTRACTOR SHALL REVIEW ALL THE DRAWINGS AND CHECK DIMENSIONS BEFORE CONSTRUCTION. REPORT DISCREPANCIES BETWEEN STRUCTURAL DRAWINGS AND DRAWINGS OF OTHER DISCIPLINES FOR CLARIFICATION.
5. DO NOT CUT OR DRILL ANY OPENINGS IN STRUCTURAL MEMBERS WITHOUT WRITTEN PERMISSION FROM SCL ENGINEERING INC.

SITE REVIEW RESPONSIBILITIES:

THE CONSULTANT WILL PROVIDE GENERAL REVIEW OF CONSTRUCTION IN ACCORDANCE WITH THE PERFORMANCE STANDARDS OF THE ASSOCIATION OF PROFESSIONAL ENGINEERS OF PRINCE EDWARD ISLAND BY MEANS OF A RATIONAL SAMPLING PROCEDURE TO DETERMINE WHETHER THE CONSTRUCTION OF THAT WORK SHOWN ON THE DRAWINGS IS IN GENERAL CONFORMITY WITH THE PLANS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR QUALITY CONTROL AND THE PERFORMANCE OF THE WORK IN ACCORDANCE WITH THE CONTRACT. THE CONSULTANT SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUB-CONTRACTOR OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

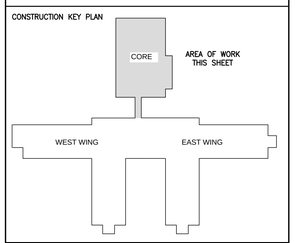
COLD WEATHER REQUIREMENTS:

COLD WEATHER CONSTRUCTION MUST STRICTLY CONFORM TO CAN3-A23.1 CLAUSE 21.2.3.

NOTE:
ALL EXTERIOR GRADE AND FINISHES PER OTHER DISCIPLINES.

Prince Edward Island
CANADA
Public Works and Planning Division
Transportation, Infrastructure & Energy
Tel 902 368 5160
Fax 902 569 0590
www.gov.pe.ca/
PO Box 2000
Charlottetown
Prince Edward Island
Canada C1A 7N8

CONSTRUCTION KEY PLAN



NO.	REVISIONS:	DD/MM/YY	DWN.	CHK'D
0	ISSUED FOR TENDER	2016.04.21	B.J.M.	S.T.
	99% Submission	2016.03.07	B.J.M.	S.T.

- CONTRACTOR SHALL CHECK ALL DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE OWNER BEFORE PROCEEDING WITH WORK.
- ALL DRAWINGS & SPECIFICATIONS ARE THE PROPERTY OF THE SCL ENGINEERING (2005) INC AND MUST BE RETURNED AFTER COMPLETION OF THE WORK.
- DRAWINGS SHALL NOT BE SCALED.
- DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION UNTIL SIGNED BY THE ENGINEER.

REGISTERED PROFESSIONAL ENGINEER SHELDON L. TWEEL No. 333 PROVINCE OF PRINCE EDWARD ISLAND
Apr 21/16
For Tender & Construction

ARCHITECTS:
63 Fitzroy St.
Charlottetown, PE
Canada C1A 1R6
Ph: 902-566-4449
Fx: 902-566-1235
architects@bghj.com
Web: www.bghj.com
BERGMARK GUIMOND HAMMARLUND JONES ARCHITECTS

CONSULTANT:
SCL Engineering (2005) Inc.
Consulting Engineers & Project Managers
16 Great George Street, Landing Place
P.O. Box 731, Charlottetown, P.E.I., C1A 7L3
Phone: (902) 628-8620, Fax: (902) 892-8620

PROJECT:

Riverview Long Term Care Facility

Montague, PE

DRAWING TITLE: FOUNDATION PLAN (CORE AREA) SECTIONS AND DETAILS

DATE:	APRIL 21, 2016	FILE NO:	SCL16-002
SCALE:	AS NOTED		
DRAWN:	Brian J McLellan CET	DWG:	S1
CHECKED:	Sheldon Tweel PEng.		

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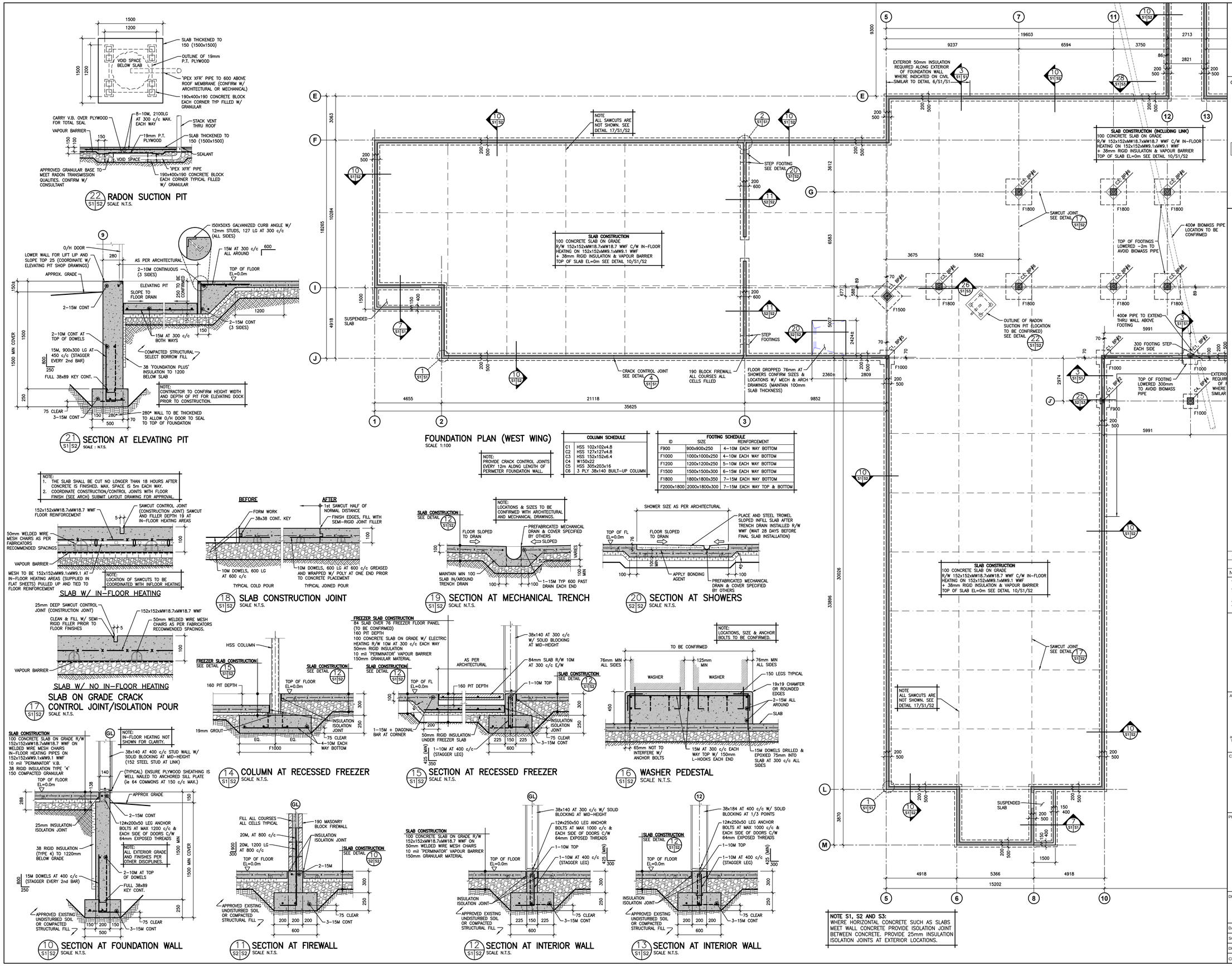

COLUMN SCHEDULE	
C1	HSS 102x102x4.8
C2	HSS 127x127x4.8
C3	HSS 152x152x6.4
C4	W150x22
C5	HSS 305x203x16
C6	3 PLY 38x140 BUILT-UP COLUMN

FOOTING SCHEDULE		
ID	SIZE	REINFORCEMENT
F900	900x900x250	4–10M EACH WAY BOTTOM
F1000	1000x1000x250	4–10M EACH WAY BOTTOM
F1200	1200x1200x250	5–10M EACH WAY BOTTOM
F1500	1500x1500x300	6–15M EACH WAY BOTTOM
F1800	1800x1800x350	7–15M EACH WAY BOTTOM
F2000x1800	2000x1800x300	7–15M EACH WAY TOP & BOTTOM

Prince Edward Island CANADA
Public Works and Planning Division
Transportation, Infrastructure & Energy
PO Box 2000
Charlottetown
Prince Edward Island
Canada C1A 7N8
Tel 902 368 5160
Fax 902 569 0590
www.gov.pe.ca/

CONSTRUCTION KEY PLAN

CORE
WEST WING
EAST WING
AREA OF WORK THIS SHEET

NO.	REVISIONS:	DD/MM/YY	DWN.	CHK'D
0	ISSUED FOR TENDER	2016.04.21	B.J.M.	S.T.
	99% Submission	2016.03.07	B.J.M.	S.T.

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- DRAWINGS SHALL NOT BE SCALED.
- DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION UNTIL SIGNED BY THE ENGINEER.

SHELDON L. TWEEL No. 333 Apr 21/16 PROFESSIONAL ENGINEER PROVINCE OF PRINCE EDWARD ISLAND

For Tender & Construction

ARCHITECTS:
63 Fitzroy St.
Charlottetown, PE
Canada C1A 1R4
Ph: 902-566-4449
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SCL Engineering (2005) Inc.
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P.O. Box 731, Charlottetown, P.E.I., C1A 7L3
Phone: (902) 628-8620, Fax: (902) 892-8620
Montague, PE

PROJECT:

Riverview Long Term Care Facility

DRAWING TITLE: FOUNDATION PLAN (WEST WING) SECTIONS AND DETAILS

DATE:	APRIL 21, 2016	FILE NO:	SCL16-002
SCALE:	AS NOTED		
DRAWN:	Brian J McLellan CET	DWG:	S2
CHECKED:	Sheldon Tweel PEng.		

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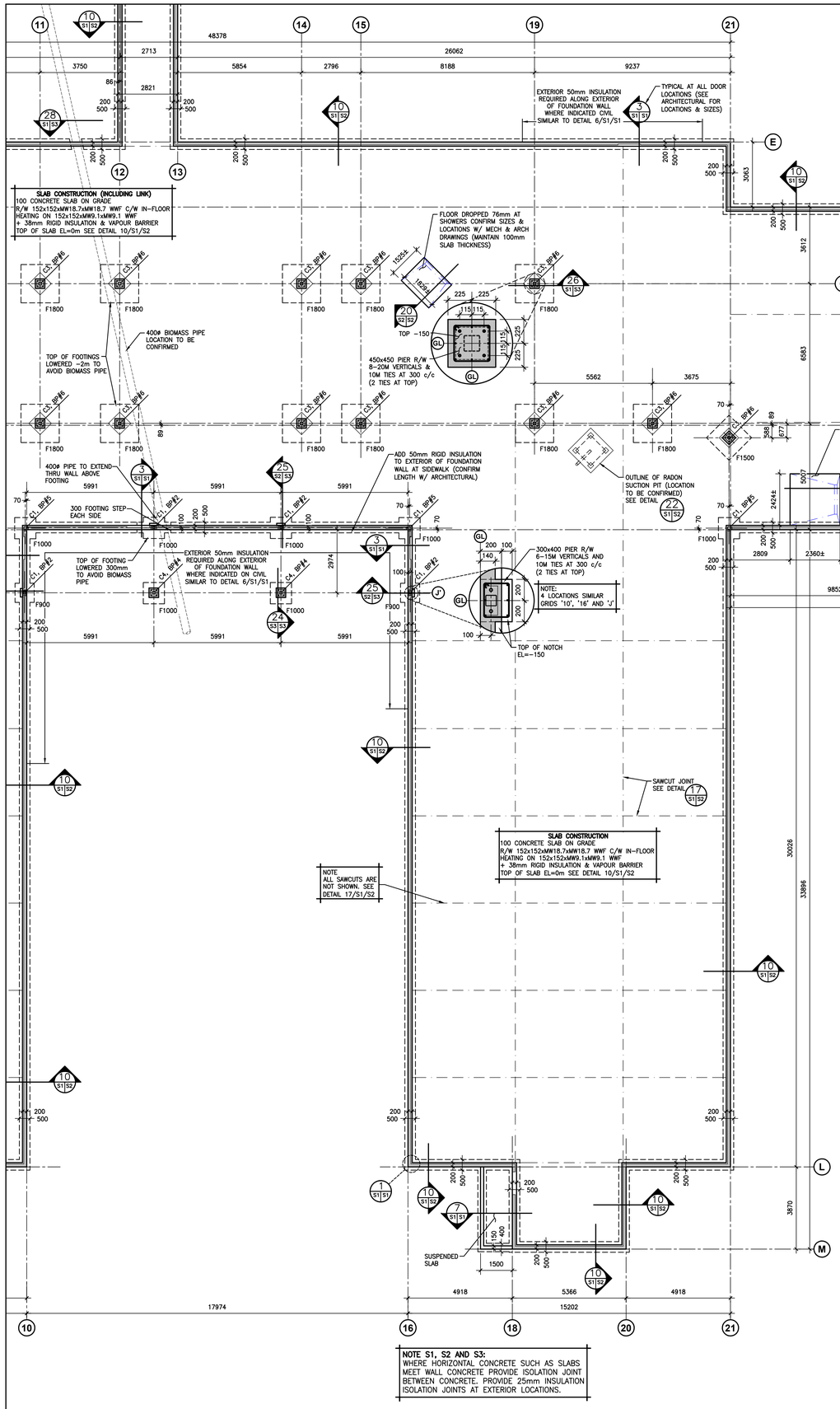

FOUNDATION PLAN (EAST WING)
SCALE 1:100

NOTE: PROVIDE CRACK CONTROL JOINTS EVERY 12m ALONG LENGTH OF PERIMETER FOUNDATION WALL.

NOTE S1, S2 AND S3:
WHERE HORIZONTAL CONCRETE SUCH AS SLABS MEET WALL CONCRETE PROVIDE ISOLATION JOINT BETWEEN CONCRETE. PROVIDE 25mm INSULATION ISOLATION JOINTS AT EXTERIOR LOCATIONS.

COLUMN SCHEDULE	
C1	HSS 102x102x4.8
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FOOTING SCHEDULE		
ID	SIZE	REINFORCEMENT
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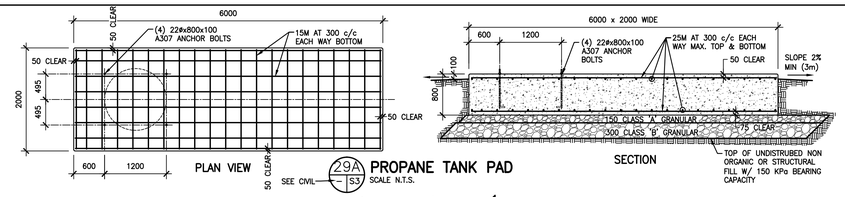
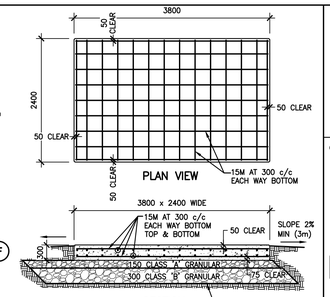
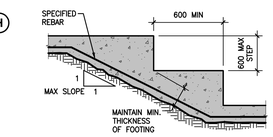
F1200	1200x1200x250	5-10M EACH WAY BOTTOM
F1500	1500x1500x300	6-15M EACH WAY BOTTOM
F1800	1800x1800x350	7-15M EACH WAY BOTTOM
F2000x1800	2000x1800x300	7-15M EACH WAY TOP & BOTTOM



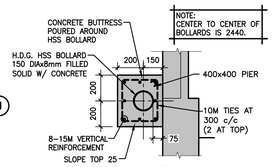
29A PROPANE TANK PAD
SEE CIVIL — S3 — SCALE N.T.S.

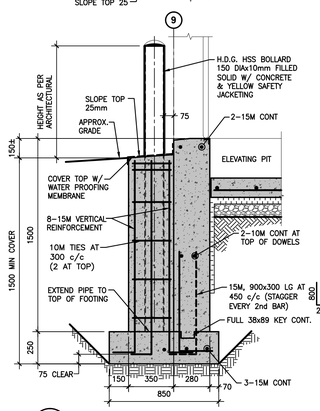


29B OIL TANK PAD
SEE CIVIL — S3 — SCALE N.T.S.

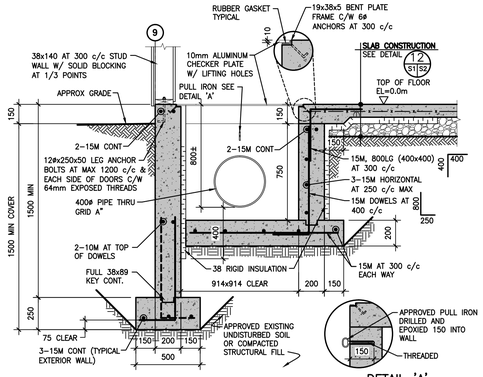


23 STEPPED FOOTING (S.F.)
SCALE N.T.S.

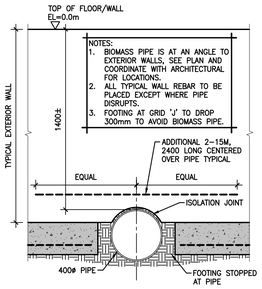




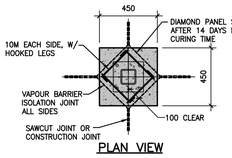
29 SECTION AT BOLLARD
SCALE N.T.S.

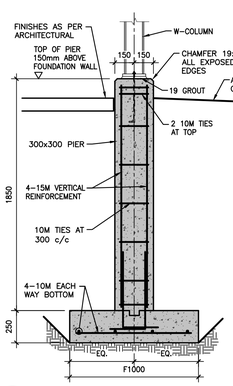


27 SECTION AT BIOMASS PIT
SCALE N.T.S.

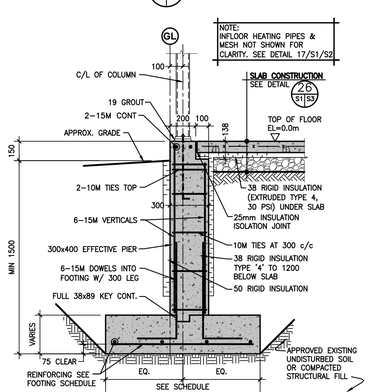


28 TYPICAL SECTION AT BIOMASS PIPE & EXTERIOR WALL (2 LOCATIONS)
SCALE N.T.S.

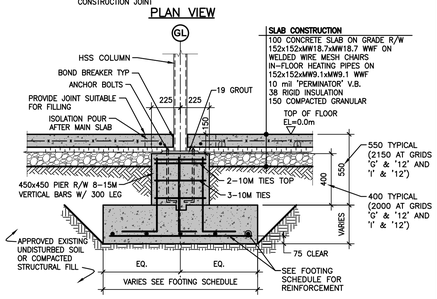




24 SECTION AT CANOPY PIER
SCALE N.T.S.



25 SECTION AT COLUMN
SCALE N.T.S.



NOTE FOR CORE BUILDING: INFLOOR HEATING PIPES ARE NOT INSTALLED IN CORE AND 38mm INSULATION UNDER SLAB IS NOT REQUIRED.

NOTE: INFLOOR HEATING PIPES & MESH NOT SHOWN FOR CLARITY. SEE DETAIL 17/S1/S2

26 SECTION AT INTERIOR COLUMN W/ PIER
SCALE N.T.S.

Prince Edward Island CANADA
Public Works and Planning Division
Transportation, Infrastructure & Energy
PO Box 2000 Charlottetown Prince Edward Island Canada C1A 7N8
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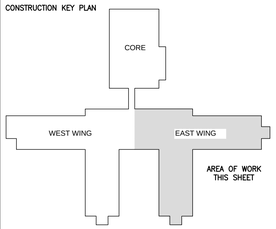
CONSTRUCTION KEY PLAN



CONCRETE PAD CONSTRUCTION NOTES:

1. LOCATION AND ORIENTATION OF PADS REFER TO ARCHITECTURAL SITE PLAN.
2. 32 MPa CONCRETE MEETING CLASS C-2.
3. SEAL TOP OF SLAB (PAD) W/ WATER RESISTANT SEALER.
4. SLOPE TOP OF SLAB FOR DRAINAGE.

NO.	REVISIONS:	DD/MM/YY	DWN.	CHK'D
0	ISSUED FOR TENDER	2016.04.21	B.J.M.	S.T.
	99% Submission	2016.03.07	B.J.M.	S.T.

- CONTRACTOR SHALL CHECK ALL DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE OWNER BEFORE PROCEEDING WITH WORK.
- ALL DRAWINGS & SPECIFICATIONS ARE THE PROPERTY OF THE SCL ENGINEERING (2005) INC AND MUST BE RETURNED AFTER COMPLETION OF THE WORK.
- DRAWINGS SHALL NOT BE SCALED.
- DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION UNTIL SIGNED BY THE ENGINEER.

REGISTERED PROFESSIONAL ENGINEER SHELDON L. TWEEL No. 333 PROVINCE OF PRINCE EDWARD ISLAND
Apr 21/16
For Tender & Construction

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architects@bghj.com
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BERGMARK GUIMOND HAMMARLUND JONES ARCHITECTS

CONSULTANT:
SCL Engineering (2005) Inc.
Consulting Engineers & Project Managers
16 Great George Street, Landing Place
P.O. Box 731, Charlottetown, P.E.I., C1A 7L3
Phone: (902) 628-8620, Fax: (902) 892-8620

PROJECT:

Riverview Long Term Care Facility

Montague, PE

DRAWING TITLE:

FOUNDATION PLAN (EAST WING) SECTIONS AND DETAILS

DATE:	APRIL 21, 2016	FILE NO:	SCL16-002
SCALE:	AS NOTED		
DRAWN:	Brian J McLellan CET	DWG:	S3
CHECKED:	Sheldon Tweel PEng.		

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