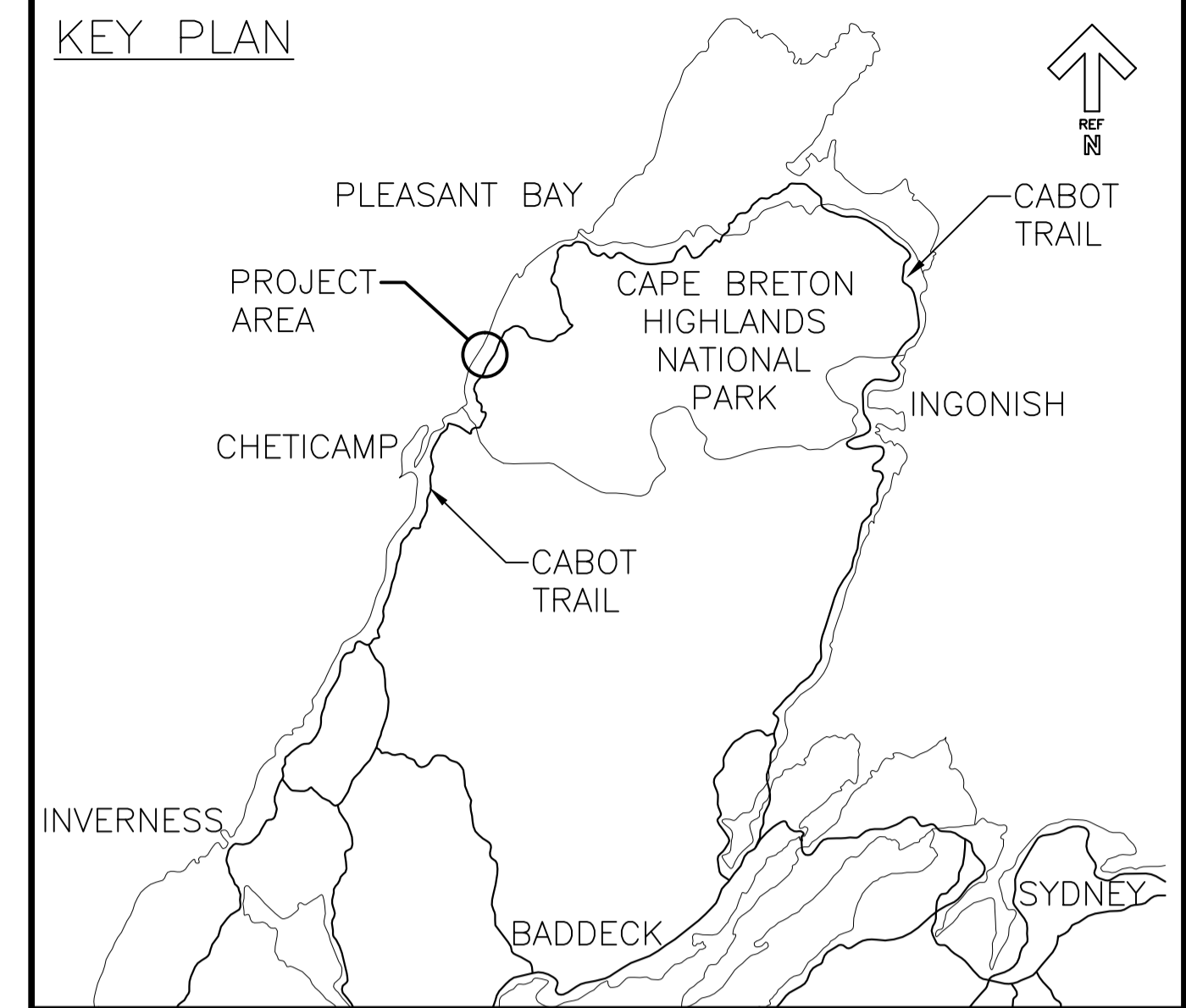


**Parks
Canada**

**Parcs
Canada**



TROUT BROOK CAMPGROUND (FOUNDATION PACKAGE)

**CAPE BRETON HIGHLANDS NATIONAL PARK
INVERNESS COUNTY, NOVA SCOTIA**

PROJECT NO. R.01092017

ISSUED FOR TENDER

DATE: AUGUST 10, 2018

DRAWING LIST

DRAWING NO.	TITLE
STRUCTURAL / ELECTRICAL	
S100	STRUCTURAL NOTES AND SPECIFICATIONS
S101	STRUCTURAL WASHROOM / KITCHENETTE BUILDING FOUNDATION PLAN AND SECTIONS
S102	STRUCTURAL WASHROOM / KITCHENETTE BUILDING OUTDOOR PATIO BUILDING SECTIONS & ELECTRICAL
S103	STRUCTURAL WASHROOM BUILDING FOUNDATION PLANS AND SECTIONS
S104	STRUCTURAL PICNIC SHELTER BUILDING FOUNDATION PLAN AND SECTIONS
S105	STRUCTURAL INTERPRETIVE CENTER BUILDING FOUNDATION PLAN AND SECTIONS
S107	DETAILS
MECHANICAL	
M101	PLUMBING BUILDING 'B' (WASHROOM) BELOW FLOOR
M102	PLUMBING BUILDING 'E' (WASHROOM/KITCHENETTE) BELOW FLOOR



GENERAL NOTES:

1. READ THE STRUCTURAL DRAWINGS IN CONJUNCTION WITH ALL OTHER PERTINENT CONTRACT DOCUMENTS. COORDINATE STRUCTURAL WORK WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR DETAILED DIMENSIONS, LOCATIONS OF DOOR AND WINDOW OPENINGS, SLOPES, CURBS, PITS, PADS, DEPRESSIONS, ROOF/FLOOR DRAINS, TRENCHES, MOUNTED OR SUSPENDED UNITS, WATERPROOFING & DUCT OPENINGS.
2. CONTRACTOR SHALL COMPLY AND BE RESPONSIBLE FOR ALL WORK TO BE COMPLETED IN CONFORMANCE WITH ALL APPLICABLE FEDERAL, PROVINCIAL AND OWNERS OCCUPATIONAL HEALTH AND SAFETY REGULATIONS.
3. DO NOT IMPOSE CONSTRUCTION LOADS ON THE STRUCTURE IN EXCESS OF THE DESIGN LOADS.
4. REFER TO SPECIFICATIONS FOR CONSTRUCTION AND MATERIAL REQUIREMENTS.
5. ALL VERTICAL ELEVATIONS ARE IN MILLIMETERS AND PLAN DIMENSIONS ARE IN MILLIMETERS, UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL VERIFY DIMENSIONS PRIOR TO CONSTRUCTION START AND REPORT ALL DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. DO NOT SCALE DRAWINGS.
6. CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM WORK AND TO COMPLY WITH ALL APPLICABLE OCCUPATIONAL HEALTH AND SAFETY REGULATIONS, ENVIRONMENTAL REGULATIONS.
7. THE DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, 2015 EDITION PART 4 AND REFERENCED STANDARDS WITHIN.
8. DRAWINGS SHOW COMPLETED STRUCTURES ONLY. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AND SHORING FOR CONSTRUCTION LOADING CONDITIONS AND STABILITY OF THE STRUCTURE DURING CONSTRUCTION. CONSTRUCTION LOADS INCLUDING OPERATING EQUIPMENT AND PERSONNEL MAY EXCEED DESIGN LOAD. USE ADDITIONAL SUPPORT WHERE REQUIRED.
9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY DAMAGE DONE TO EXISTING FEATURES AS A RESULT OF THIS WORK. DAMAGED ITEMS SHALL BE REPLACED IN KIND AND AT NO ADDITIONAL COST TO THE OWNER.
10. CONTRACTOR TO LEAVE EQUIPMENT AND MACHINERY RUNNING ONLY WHILE IN USE.
11. CONTRACTOR TO MAKE GOOD ALL AFFECTED AREAS TO THE ACCEPTANCE OF THE ENGINEER. DEFECTIVE OR UNACCEPTABLE WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE PROJECT.
12. DO NOT INSTALL OPENINGS, SET INSERTS, DRILL OR ATTACH TO THE STRUCTURAL BUILDING COMPONENTS, EXCEPT AS NOTED ON THE STRUCTURAL DRAWINGS, WITHOUT WRITTEN CONSENT OF THE ENGINEER.
13. THE CONTRACTOR SHALL RETAIN A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF NOVA SCOTIA TO PERFORM AND TAKE RESPONSIBILITY FOR ANY TEMPORARY BRACING, SHORING OR OTHER DESIGNS TO COMPLETE THE CONSTRUCTION.
14. SHOP DRAWINGS: REPRODUCTION OF DESIGN DRAWINGS SHALL NOT BE PERMITTED FOR SHOP DRAWING SUBMISSIONS. THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER SHALL REVIEW AND PROVIDE REVIEW STAMP ON SHOP DRAWING SUBMISSIONS PRIOR TO SUBMITTAL TO ENGINEER INDICATING UNDERSTANDING AND ACCEPTANCE OF SUBMITTAL AND CONFIRMING CONFORMANCE TO PROJECT PLANS/SPECIFICATIONS. ALL STRUCTURAL SHOP DRAWINGS ARE TO BE STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE PROVINCE OF NOVA SCOTIA.
15. NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO ALL CONCRETE PLACEMENT.
16. CONTRACTOR SHALL VERIFY THE SUITABILITY OF ALL PRODUCTS BEING SPECIFIED FOR WORK FOR THE INTENDED USE AS PART OF THIS CONTRACT AND OR ANY OTHER FORM OF COMMUNICATION RELATING TO THIS PROJECT PRIOR TO START OF WORK.
17. WHERE THERE IS A DISCREPANCY BETWEEN PROJECT SPECIFICATIONS AND GENERAL NOTES, INFORMATION SHOWN IN SPECIFICATIONS SHALL GOVERN.
18. OPENINGS IN SLAB, FLOOR, SHALL BE COORDINATED WITH STRUCTURAL, ARCHITECTURAL, MECHANICAL, AND/OR OTHER PERTINENT DRAWINGS.
19. REVIEW LOCATION OF INTENDED AND PROPOSED CONSTRUCTION JOINTS WITH THE ENGINEER PRIOR TO PROCEEDING.

EXCAVATION NOTES:

1. ALL DEMOLITION WASTE SHALL BE DISPOSED AS APPROVED BY SITE REP.
2. ALL COMPACTED BACKFILL MATERIALS SHALL BE PLACED IN MAXIMUM 150mm LIFTS AND COMPACTED TO MINIMUM 95% STANDARD PROCTOR DRY DENSITY (SPDD) UNLESS APPROVED OTHERWISE BY A GEOTECHNICAL ENGINEER.
3. IN AREAS REQUIRING FILL, ONLY APPROVED SITE EXCAVATED MATERIAL OR APPROVED IMPORTED MATERIALS WILL BE PERMITTED.
4. COMPACTION EQUIPMENT SHALL BE APPROVED BY THE ON SITE GEOTECHNICAL ENGINEER.
5. FINISH GRADES SHALL BE AS PER EXISTING CONDITIONS, OR SLOPE AWAY FROM NEW BUILDINGS STRUCTURES. ONCE CONSTRUCTION IS COMPLETE, ALL SURFACES TO HAVE POSITIVE DRAINAGE WITHOUT PONDING.
6. GRANULAR AND BACKFILLING MATERIALS REFERRED TO ON THESE DRAWINGS SHALL BE IN GENERAL CONFORMANCE WITH THE FOLLOWING:
 - A) TYPE 1 FILL: CLEAN NATURAL SAND AND GRAVEL MATERIAL, FREE FROM SILT, CLAY, LOAM, FRIABLE OR SOLUBLE MATERIALS AND VEGETABLE MATTER AND GRADED WITHIN NSTIR SPECS:
 - B) TYPE 2 FILL: CLEAN ANGULAR CRUSHER RUN NATURAL STONE, FREE FROM SHALE, CLAY, FRIABLE MATERIALS, ROOTS AND VEGETABLE MATTER AND GRADED WITHIN NSTIR SPECS:
 - C) SITE FILL: EXCAVATED PERVIOUS SOIL, FREE FROM ROOTS, ROCKS LARGER THAN 75mm AND BUILDING DEBRIS. EXCAVATED MATERIAL SHALL BE APPROVED BY ENGINEER BEFORE USE AS FILL, IF UNSUITABLE, SUBSTITUTE WITH TYPE 2 MATERIAL.
7. MATERIALS
 - A. ENGINEERED FILL, BACK FILL AND SUBBASE MATERIAL SHALL BE A SOIL GRANULAR MATERIAL CONFORMING TO THE GRADATION CRITERIA REFERENCED IN THE GEOTECHNICAL REPORT.
 - B. SAND SHALL CONSIST OF CLEAN SAND HAVING HARD, DURABLE, UNCOATED GRAINS, FREE FROM DELETERIOUS MATTER; FINENESS MODULUS SHALL BE 2.85+/- 0.20.
8. SUBMIT TEST RESULTS VERIFYING MATERIALS TO BE USED MEET THE ABOVE REQUIREMENTS.
9. EXCAVATIONS SHALL BE KEPT FREE OF WATER AND ANY UNDESIRABLE MATERIALS WHILE WORK IS IN PROGRESS. NOTIFY OWNER'S REPRESENTATIVE WHEN EXCAVATION HAS BEEN RE-COMPACTED AND REINFORCING PLACED. DO NOT PLACE CONCRETE UNTIL DIRECTED TO DO SO.
10. PROTECT BOTTOM OF EXCAVATIONS AGAINST FREEZING WHEN TEMPERATURE IS LESS THAN 2°C.
11. EXCAVATE TO LINES AND LEVELS NECESSARY TO PROPERLY COMPLETE THE WORK. MINIMUM SIDE SLOPES OF TEMPORARY EXCAVATIONS SHALL NOT EXCEED 1 TO 1 OR AS RECOMMENDED BY OCCUPATIONAL HEALTH AND SAFETY. CONTROL EXCAVATION TO ENSURE BOTTOM OF EXCAVATION DOES NOT SOFTEN DUE TO EXCESS MOISTURE. CONSTRUCT SLOPES IN BOTTOMS OF EXCAVATIONS FOR DRAINAGE AS REQUIRED.
12. ALL EXCAVATED SOIL SURFACES SHALL BE PROOF ROLLED PRIOR TO THE PLACEMENT OF ANY BACKFILL. ANY SOFT AREAS ENCOUNTERED SHALL BE REMOVED AND REPLACED WITH COMPACTED CLASS B GRANULAR MATERIAL.
13. ALL SOIL MATERIALS MUST BE PLACED AND COMPACTED IN THE DRY.
14. CONTRACTOR SHALL PROVIDE EXCAVATION, DRAINAGE, DEWATERING AND TEMPORARY FLOW DIVERSION THROUGHOUT THE PROJECT.

EARTHWORK

1. STRIP TOPSOIL, ORGANIC MATERIAL, AND LOOSE SOILS INSIDE THE PROJECT AREA. REMOVE EXISTING ASPHALT AND CONCRETE STRUCTURES WITHIN 610mm OF THE FINISHED FLOOR ELEVATION UNLESS NOTED OTHERWISE ON THE DRAWINGS. REMOVE THESE EXISTING MATERIALS COMPLETELY AT FOUNDATION LOCATIONS.
2. MATERIALS EXCAVATED BELOW INDICATED SUBGRADE ELEVATIONS, UNDER FOOTINGS, FOUNDATION BASES OR RETAINING WALLS SHALL BE REPLACED WITH LEAN CONCRETE FILL. BACK FILL OTHER AREAS WITH AUTHORIZED MATERIALS.
3. EXCAVATIONS SHALL BE KEPT FREE OF WATER AND ANY UNDESIRABLE MATERIALS WHILE WORK IS IN PROGRESS. NOTIFY OWNER'S REPRESENTATIVE WHEN EXCAVATION HAS BEEN RECOMPACTED AND REINFORCING PLACED. DO NOT PLACE CONCRETE UNTIL DIRECTED TO DO SO.
4. NO BACK FILLING OF FOUNDATION WALLS (EXCEPT RETAINING WALLS) SHALL BE DONE UNLESS WALLS ARE ADEQUATELY BRACED OR BACK FILL IS PLACED EQUALLY ON BOTH SIDES OF WALL.
5. COMPACTION TESTING TO BE PERFORMED AS FOLLOWS:
 - A. FILL UNDER BUILDING SLAB: A MINIMUM OF ONE TEST PER LAYER FOR EVERY 100 SQUARE METER OF ENGINEERED FILL. EACH 200mm LIFT SHALL BE TESTED.
 - B. FOOTING AND TRENCH BACK FILL: A MINIMUM OF ONE TEST FOR EVERY 0.6m OF FILL DEPTH FOR FOOTINGS AND ONE TEST FOR EVERY 15 LINEAR METER OF TRENCH (MINIMUM ONE TEST PER TRENCH IF LESS THAN 15 METER).
 - C. WRITTEN TEST RESULTS SHALL BE RECEIVED AND ACCEPTED BY THE OWNER'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF ANY CONCRETE PLACEMENT.

FOUNDATION NOTES:

1. ON-SITE EXCAVATED MATERIAL SHALL NOT BE REUSED AS BACKFILL, UNLESS APPROVED BY ENGINEER.
2. ALL COLUMN AND WALL FOOTINGS SHALL BEAR ON APPROVED UNDISTURBED NATIVE SOILS OR ENGINEERED FILL AS APPROVED BY OWNERS GEOTECHNICAL CONSULTANT.
3. THE CONFIRMATION OF SUITABLE BEARING STRATA SHALL BE PERFORMED BY QUALIFIED GEOTECHNICAL PERSONNEL BEFORE BACKFILL IS PLACED, AND WHERE FOUNDATIONS AND SLABS ARE TO BE CONSTRUCTED.
4. OUTSIDE FACE OF FOUNDATION STRIP WALL TO COINCIDE WITH GRIDLINE UNLESS NOTED OTHERWISE ON THE FOUNDATION PLAN.
5. GEOTECHNICAL ENGINEER TO VERIFY THE BACKFILL AND COMPACTION PROCEDURES UNDER THE ENTIRE FOOTPRINT OF THE BUILDING. SOIL BEARING TO BE CONFIRMED, TO HAVE (SLS) 100 kPa AND (ULS) 150 kPa.

CONCRETE NOTES:

1. CONCRETE SPECIFICATIONS:

FOUNDATIONS -F2- 25MPa (AT 28 DAYS, SLUMP 75mm±25mm, AIR 6% ±1%)

INTERIOR SLAB -N-CF - 25MPa (AT 28 DAYS, SLUMP 75mm±25mm, NON AIR ENTRAINED)

EXTERIOR SLAB -C2- 32MPa (AT 28 DAYS, SLUMP 75mm±25mm, AIR 6% ±1%)

EXTERIOR WALLS PILASTER -F1-30MPa (AT 28 DAYS, SLUMP 75mm±25mm, AIR 6% ±1%)
2. THE CANADIAN STANDARDS ASSOCIATION CSA-A23.1-14/ A23.2-14 - LATEST EDITION "CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION" SHALL APPLY AND BE ADHERED TO.
3. CONCRETE REINFORCEMENT SHALL BE DEFORMED BARS CONFORMING TO CURRENT CSA SPECIFICATION G30.18M-09 (R2014). ALL REINFORCING STEEL TO HAVE 400MPa YIELD STRENGTH.
4. ALL REINFORCING STEEL SHALL HAVE A PROTECTION OF CONCRETE NOT LESS THAN THE FOLLOWING UNO:

AT GROUND CONTACT SURFACES WHEN CONCRETE IS DEPOSITED AGAINST THE GROUND - 75mm

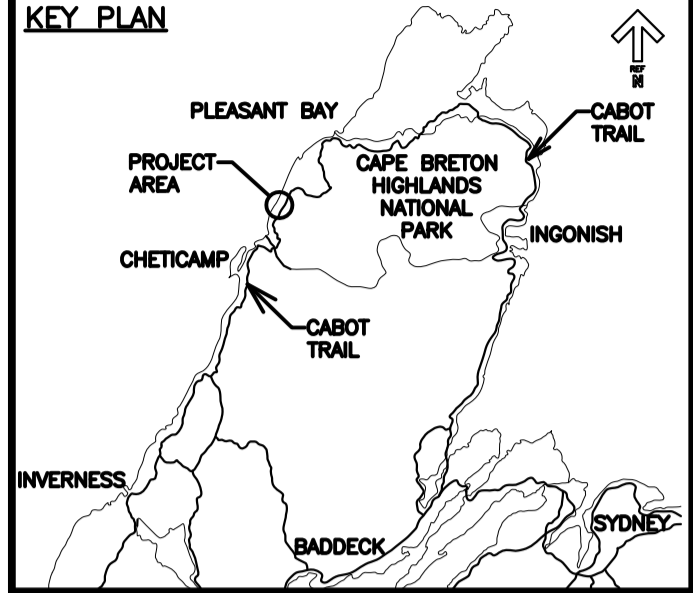
AT FORMED SURFACES EXPOSED TO GROUND OR WEATHER AFTER REMOVAL OF FORMS - 60mm

AT SURFACES NOT EXPOSED DIRECTLY TO GROUND OR WEATHER - 38mm

FOR SLAB ON GRADE, SEE DRAWINGS.
5. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO BEGINNING WORK.
6. ALL EMBEDDED METALS SHALL BE FREE OF GREASE OR ANY AGENT THAT MAY INHIBIT ITS BOND WITH THE CONCRETE. ALL EMBEDDED METALS SHALL BE IN PLACE PRIOR TO POURING THE CONCRETE.
7. ANCHOR BOLT LOCATIONS TO BE CONFIRMED BEFORE AND AFTER CONCRETE PLACEMENT BY LEGAL SURVEY EXECUTED BY CONTRACTOR.
8. CONCRETE TEMPERATURE TO REMAIN AT 10°C OR HIGHER FOR A MINIMUM OF 7 DAYS. INSULATED TARPS OR PORTABLE HEATERS MAY BE USED TO MAINTAIN REQUIRED TEMPERATURE.
9. REINFORCEMENT TO HAVE CLASS B TENSION SPLICES.
10. CRACK CONTROL JOINTS TO BE PLACED AT SPACING NOT EXCEEDING 4500mm. CONTRACTOR TO LOCATE AND COORDINATE WITH CONSTRUCTION ACTIVITIES.
11. CONTRACTOR TO CONFIRM ALL LOCATIONS OF THICKENED SLABS AT DOOR OPENING WITH ARCHITECTURAL DRAWINGS.



KEY PLAN



PRIME: STANTEC CONSULTING LTD. 102 - 40 HIGHFIELD PARK DRIVE DARTMOUTH, NS B3A 0A5 WWW.STANTEC.COM STANTEC NO. 161413360

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revisions		date

project project

**PARKS CANADA
TROUT BROOK
CAMPGROUND
(FOUNDATION PACKAGE)
CAMPGROUND BUILDINGS**

drawing dessin

**STRUCTURAL
NOTES AND
SPECIFICATIONS**

designed	N.GUY	conçu
date	2018.08.10.	
drawn	M.FRAMPPTON	dessiné
date	2018.08.10.	
approved	N.GUY	approuvé
date	2018.08.10.	

Tender Soumission

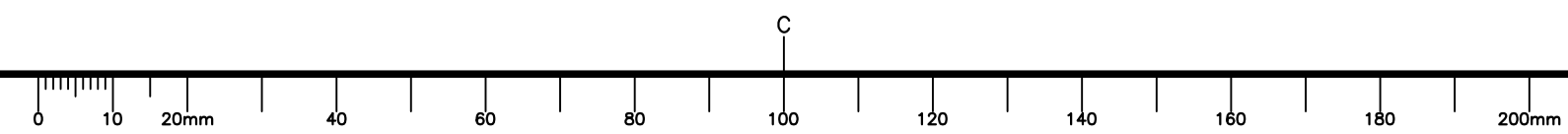
PWGSC Project Manager Administrateur de projets TPSGC

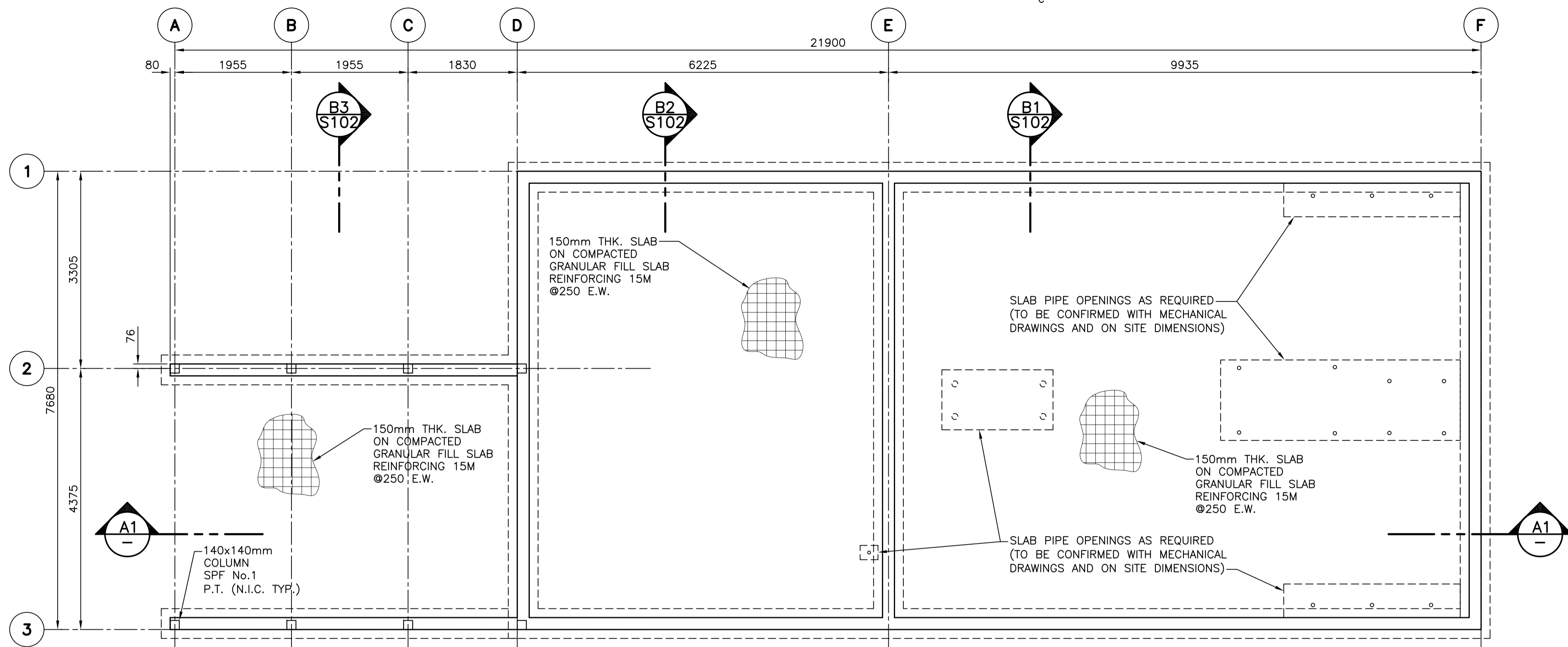
project number no. du projet

R.01092017

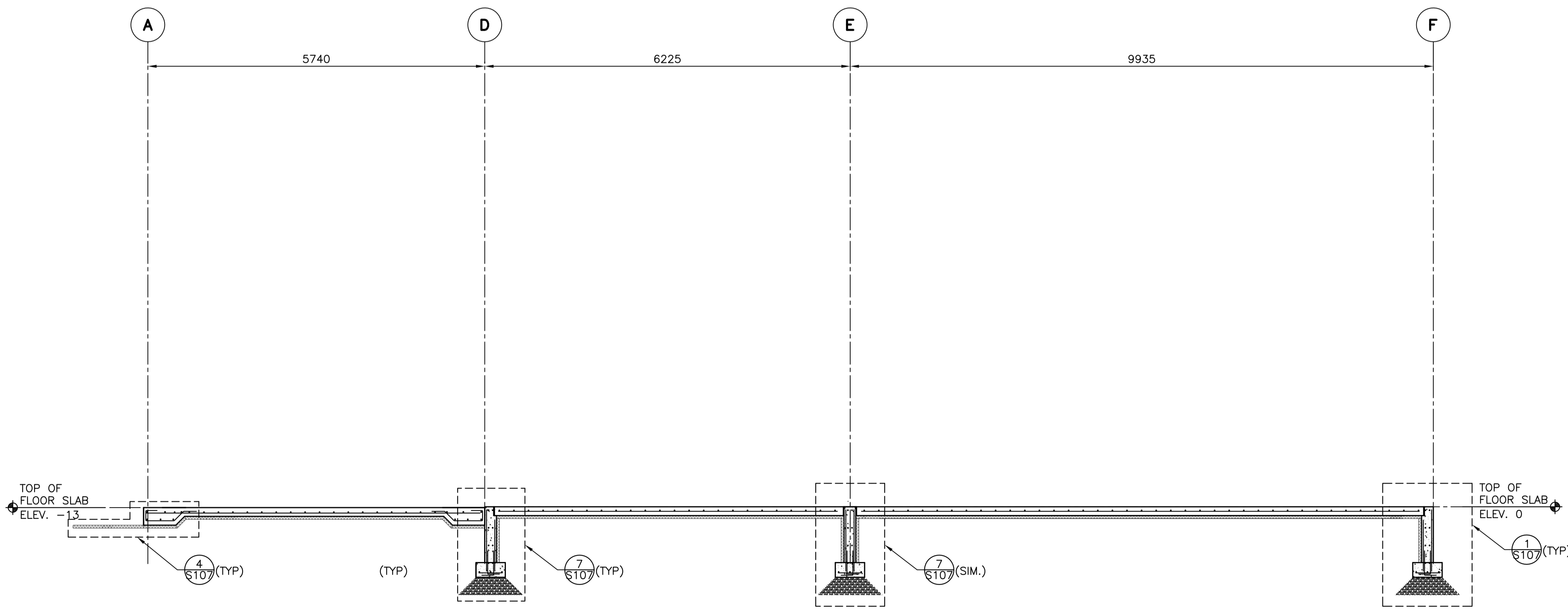
drawing no. no. du dessin

S100





FOUNDATION PLAN: WASHROOM/ KITCHENETTE 1
SCALE: 1:50



SECTION A1
SCALE: 1:50



DESIGN LOADS:

- CLIMATIC DATA:
- A. SNOW: $S_s = 2.4 \text{ kPa}$
 $S_r = 0.6 \text{ kPa}$
 - B. WIND: $Q_{50} = 0.91 \text{ kPa}$
 - C. SEISMIC $S_a(0.2) = 0.18$
 $S_a(0.5) = 0.11$
 $S_a(1.0) = 0.058$
 $S_a(2.0) = 0.016$
 $P_{GA} = 0.086$

NOTE:

FOR FOUNDATION WALL PENETRATIONS REFER TO 9/S107 FOR ADDITIONAL REINF. COORDINATE EXACT LOCATION W/ CIVIL & MECH.

SEE ELECTRICAL ON DWG. S102

LEGEND:

- CJ. - CONTROL JOINT
- EL. - ELEVATION
- E/W - EACH WAY
- EXIST. - EXISTING
- FL. - FLOOR
- G.L. - GRID LINE
- MFG. - MANUFACTURER
- UNO - UNLESS NOTED OTHERWISE
- O/C - ON CENTER
- FIN. - FINISHED
- CONC. - CONCRETE
- TBD. - TO BE DETERMINED
- TYP. - TYPICAL
- U/S - UNDERSIDE

Parks Canada / Parcs Canada

KEY PLAN

Stantec

PRIME:
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102 - 40 HIGHFIELD PARK DRIVE
DARTMOUTH, NS B3A 0A5
WWW.STANTEC.COM
STANTEC NO. 161413360

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revisions		date
project		projct

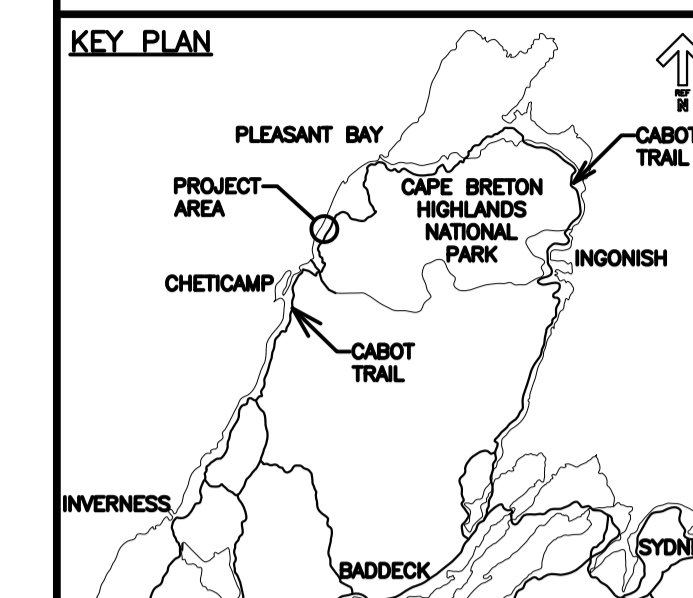
PARKS CANADA
TROUT BROOK
CAMPGROUND
(FOUNDATION PACKAGE)
CAMPGROUND BUILDINGS

STRUCTURAL
WASHROOM/KITCHENETTE
BUILDING
FOUNDATION PLAN
AND SECTIONS

designed	N. GUY	conçu
date	2018.08.10.	
drawn	M. FRAMPTON	dessiné
date	2018.08.10.	
approved	N. GUY	approuvé
date	2018.08.10.	
Tender		Soumission

PWGCSC Project Manager	Administrateur de projets TPSGC
project number	no. du projet
R.01092017	
drawing no.	no. du dessin
S101	

KEY PLAN



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0	ISSUED FOR TENDER	AUG 10 2018
revisions		date

project _____ projet _____

**PARKS CANADA
TROUT BROOK
CAMPGROUND
(FOUNDATION PACKAGE)
CAMPGROUND BUILDINGS**

**STRUCTURAL
WASHROOM/ KITCHENETTE
OUTDOOR PATIO
BUILDING SECTIONS**

designed	N. GUY	conçu
date	2018.08.10.	
drawn	M. FRAMPTON	dessiné
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PWGSC Project Manager Administrateur de projets TPSGC

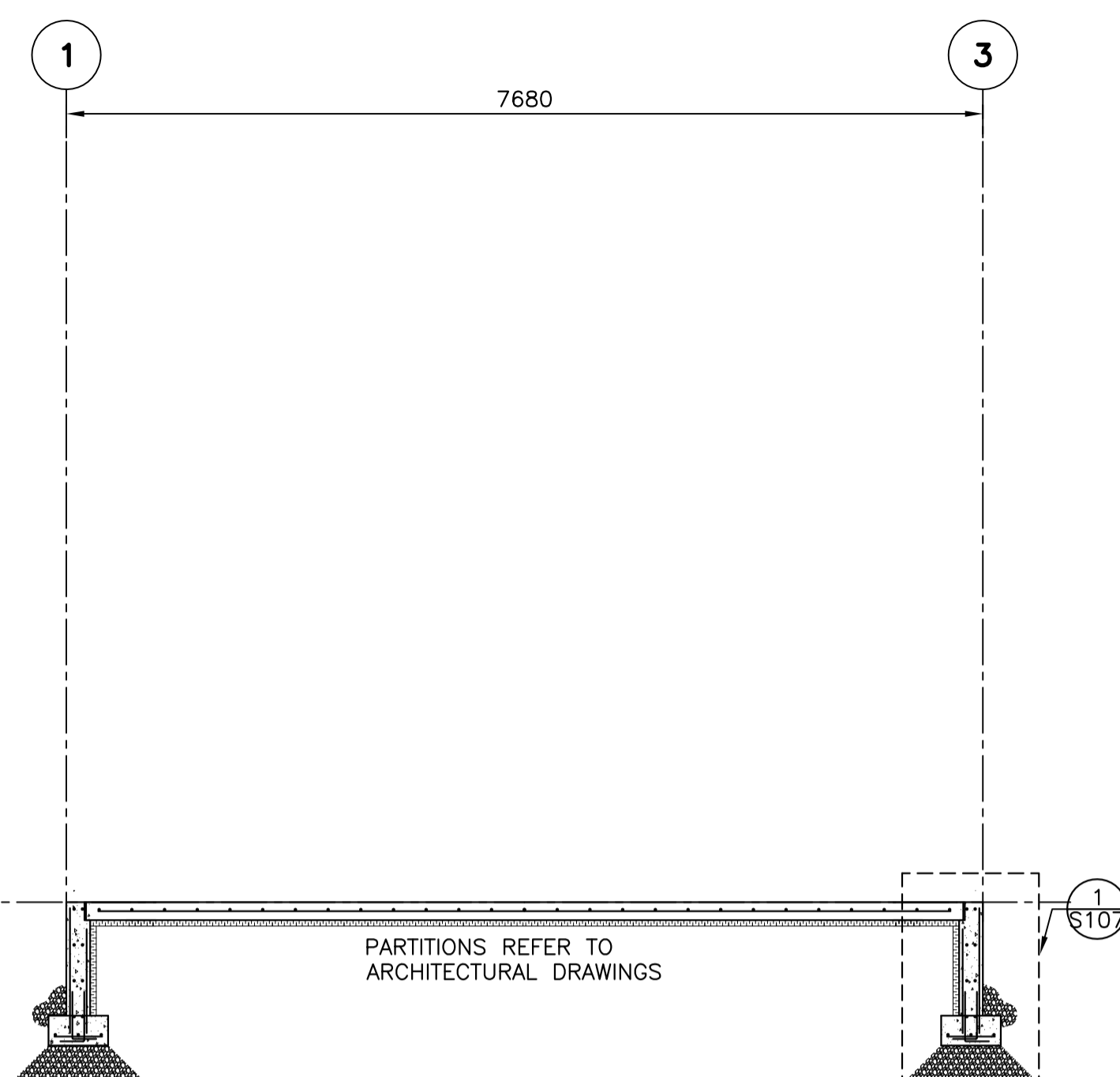
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R.01092017

drawing no. _____ no. du dessin _____

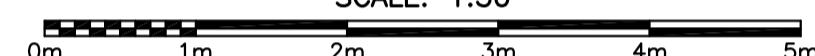
S102

E-DRM/GDD-E

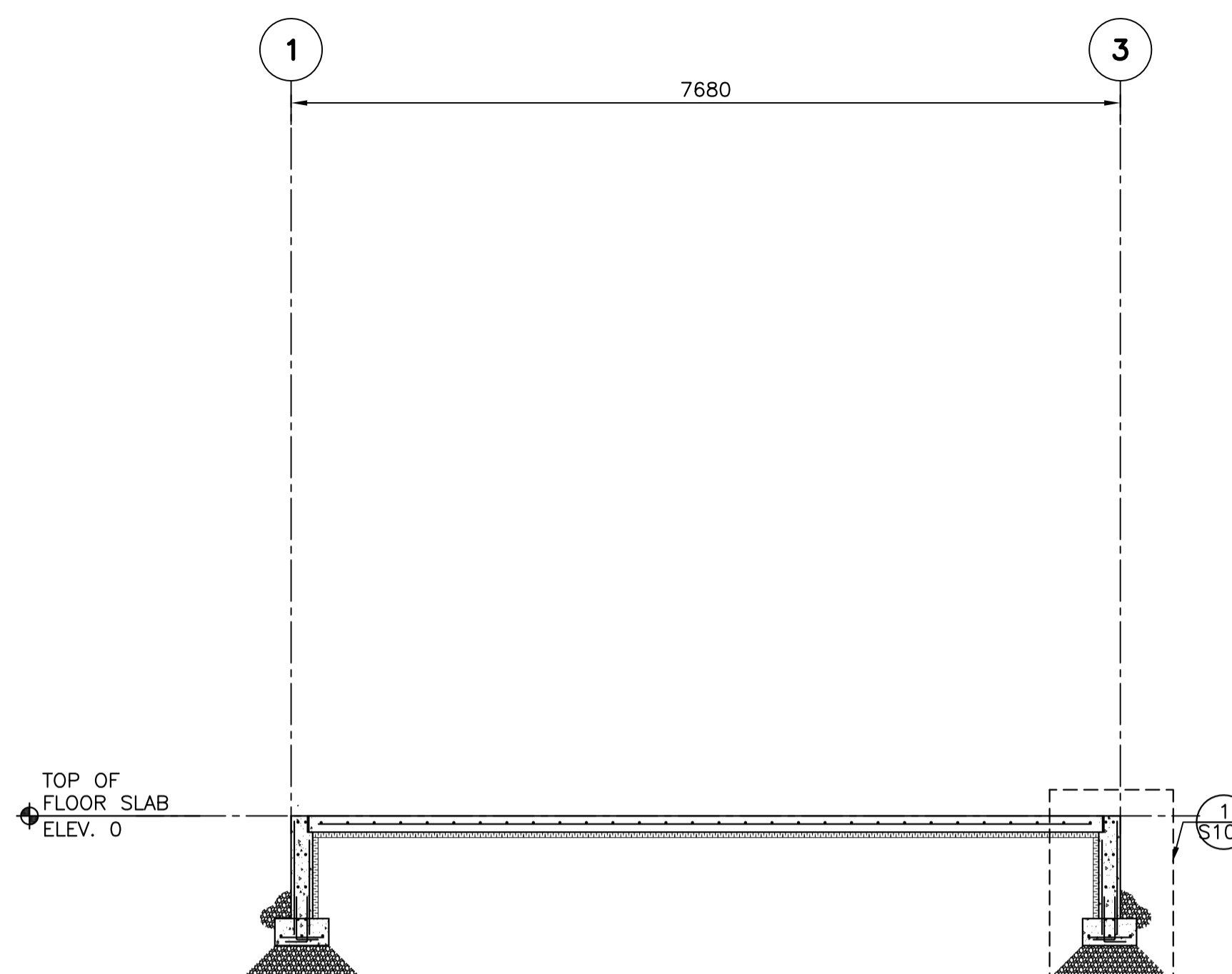


SECTION - WASHROOM

SCALE: 1:50



**B1
S101**

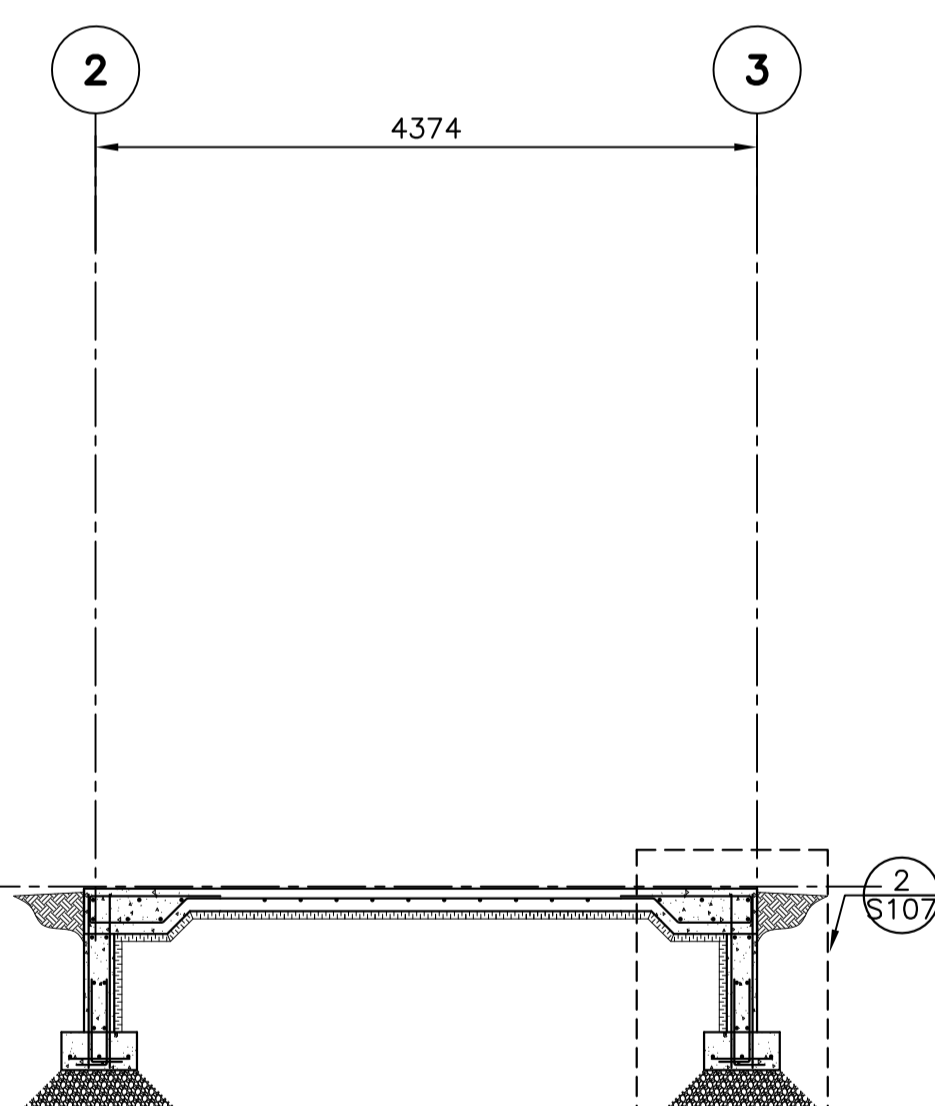


SECTION - KITCHENETTE

SCALE: 1:50

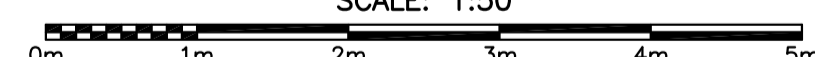


**B2
S101**

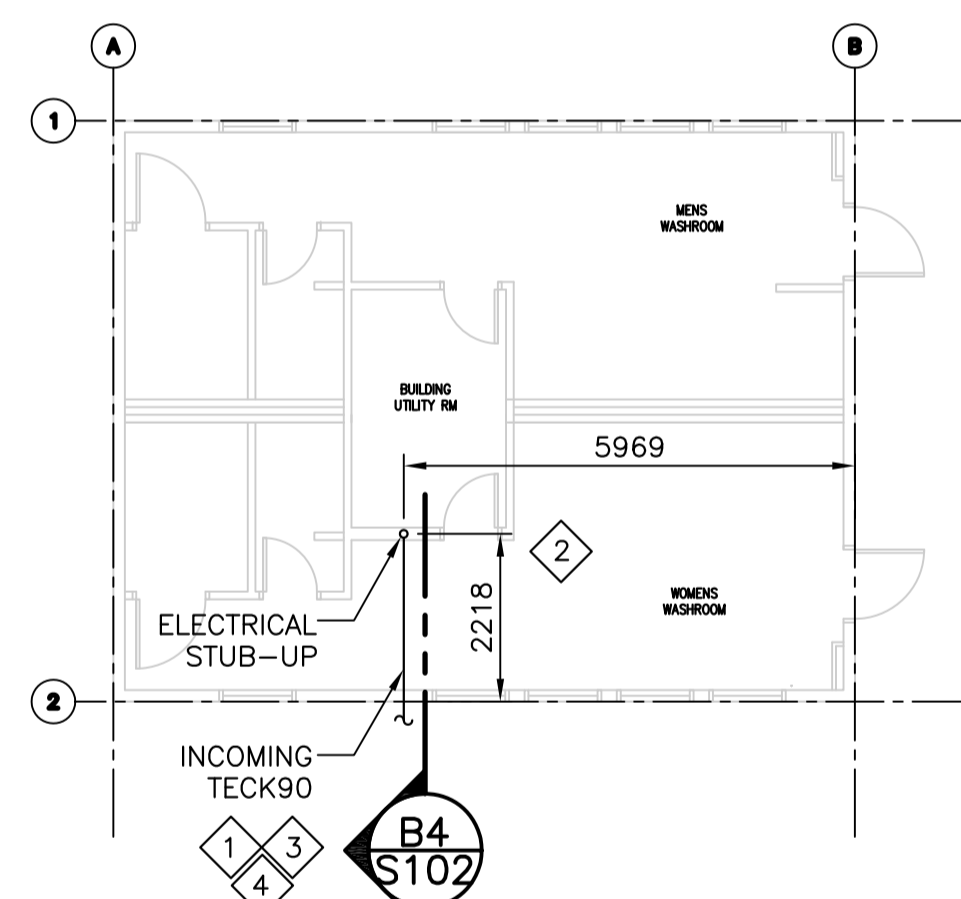


SECTION - OUTDOOR PATIO

SCALE: 1:50



**B3
S101**



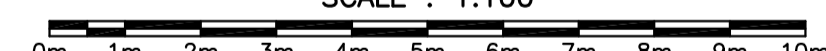
ELECTRICAL KEY NOTES

- 1 REFER TO PHASE 1 ELECTRICAL SITE PLAN DRAWING E-101 FOR BUILDING ELECTRICAL SERVICE NOTES AND FEEDER ROUTING TO EACH BUILDING.
- 2 FLOOR SLAB STUB-UP POSITIONS INDICATED IN THIS DRAWING ARE BASED ON PHASE 2 ARCHITECTURAL PLANS.
- 3 COORDINATE INCOMING ELECTRICAL FEEDER LOCATIONS WITH PLUMBING CONTRACTOR ON SITE FOR INVERT DEPTHS OF PLUMBING SYSTEM PIPING.
- 4 SUPPLY AND INSTALL 63mm RIGID PVC CONDUITS C/W PULL WIRE TO ACCOMMODATE INSTALLATION OF TECK CABLE INTO BUILDINGS. STUB CONDUITS UP 150mm ABOVE FLOOR SLAB AND EXTEND 1000mm BEYOND FOUNDATION WALLS. CAP AND SEAL ENDS PRIOR TO CONCRETE POUR. COORDINATE FINAL INSTALLED LOCATIONS ON SITE WITH STRUCTURAL TRADES.

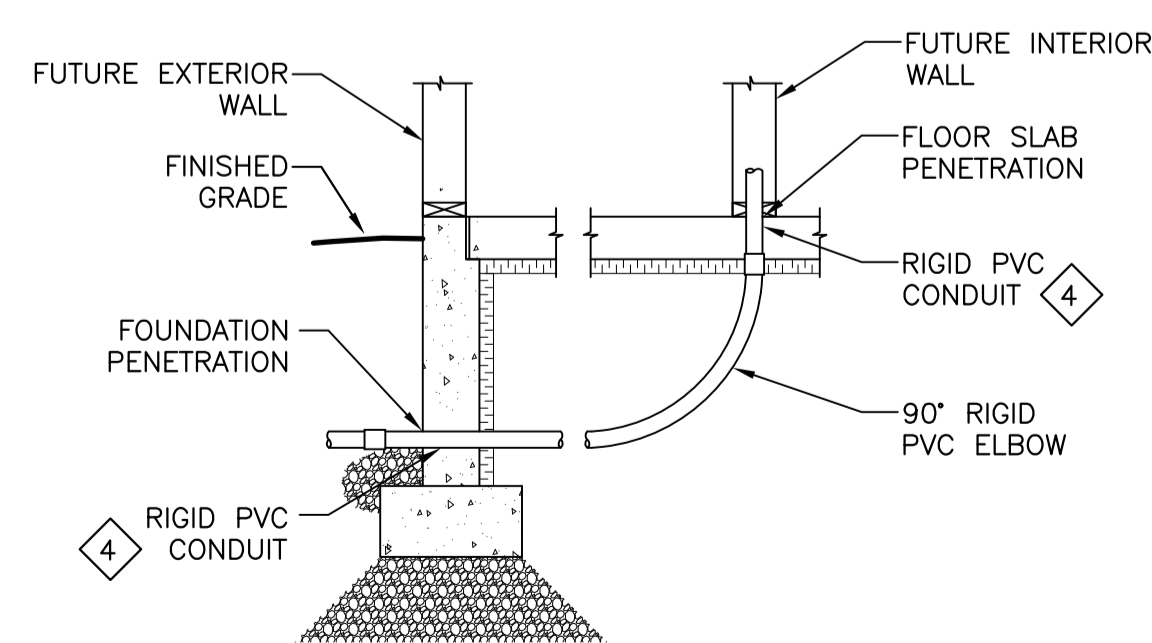
NOTE:
THIS DETAIL IS TYPICAL FOR THE LOCATION OF INCOMING UNDERGROUND ELECTRICAL SERVICE TO BOTH WASHROOM BUILDINGS.

ELECTRICAL TO WASHROOM BUILDINGS

SCALE: 1:100



**1
S102**



SECTION - INCOMING CABLES

N.T.S.

**B4
S102**

DESIGN LOADS:

CLIMATIC DATA:

- A. SNOW: S_s = 2.4 kPa
S_r = 0.6 kPa
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- C. SEISMIC: S_a (0.2) = 0.18
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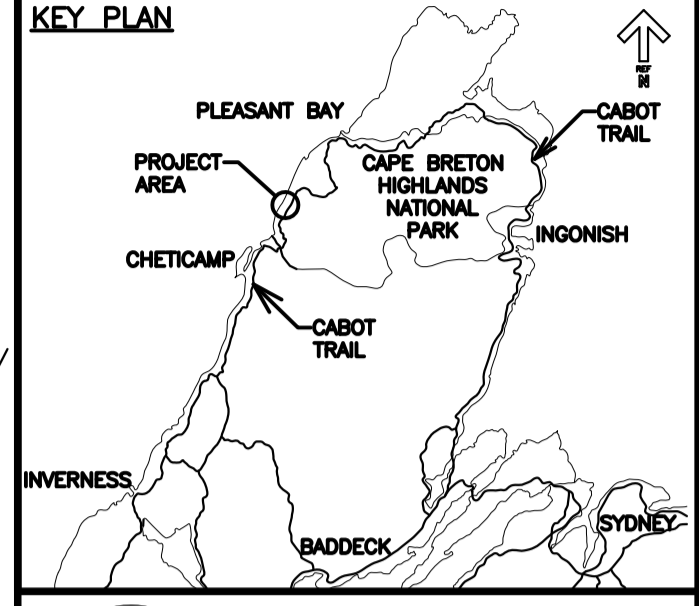
NOTE:

FOR FOUNDATION WALL PENETRATIONS REFER TO 9/S107 FOR ADDITIONAL REINF. COORDINATE EXACT LOCATION W/ CIVIL & MECH.

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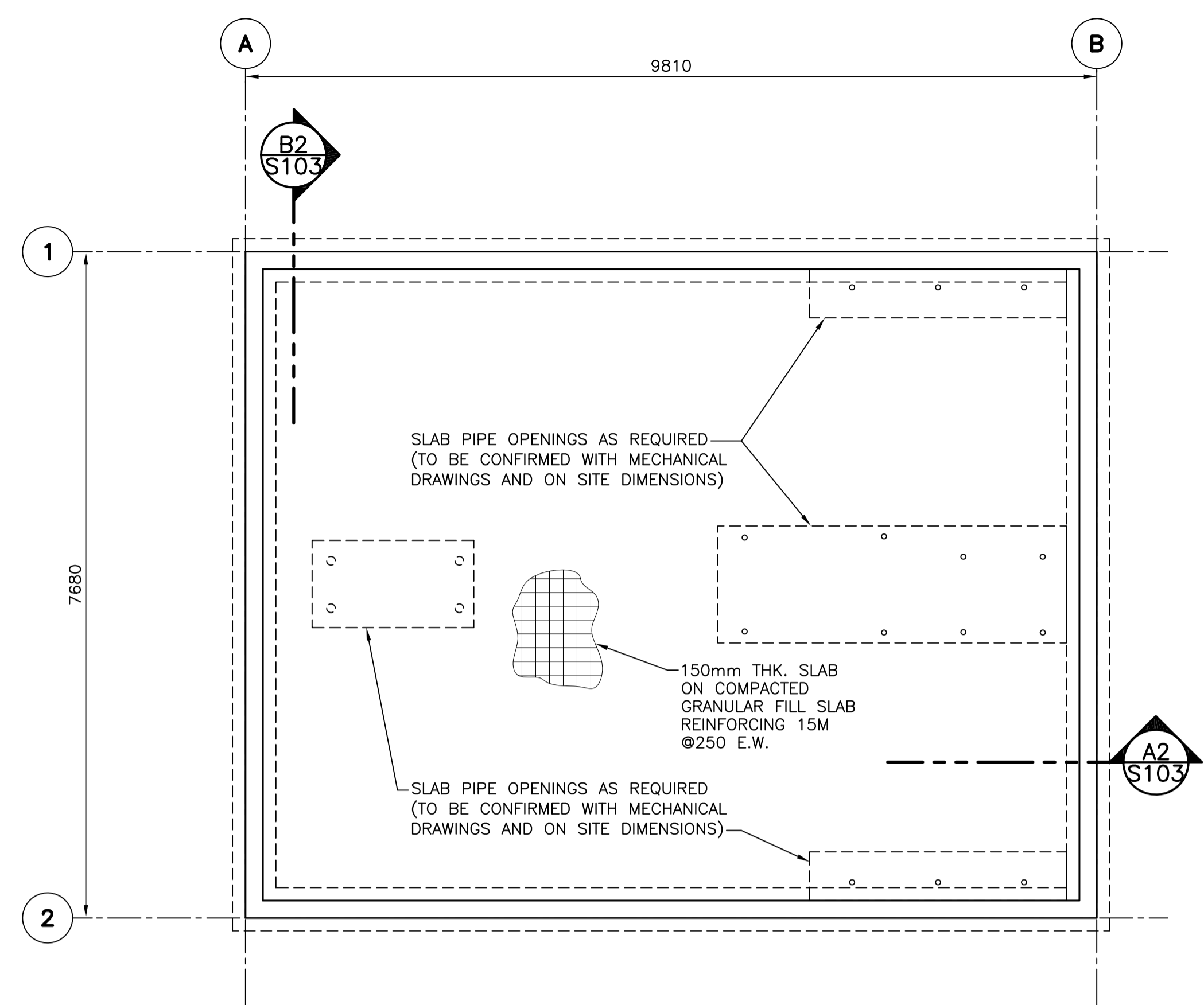
KEY PLAN



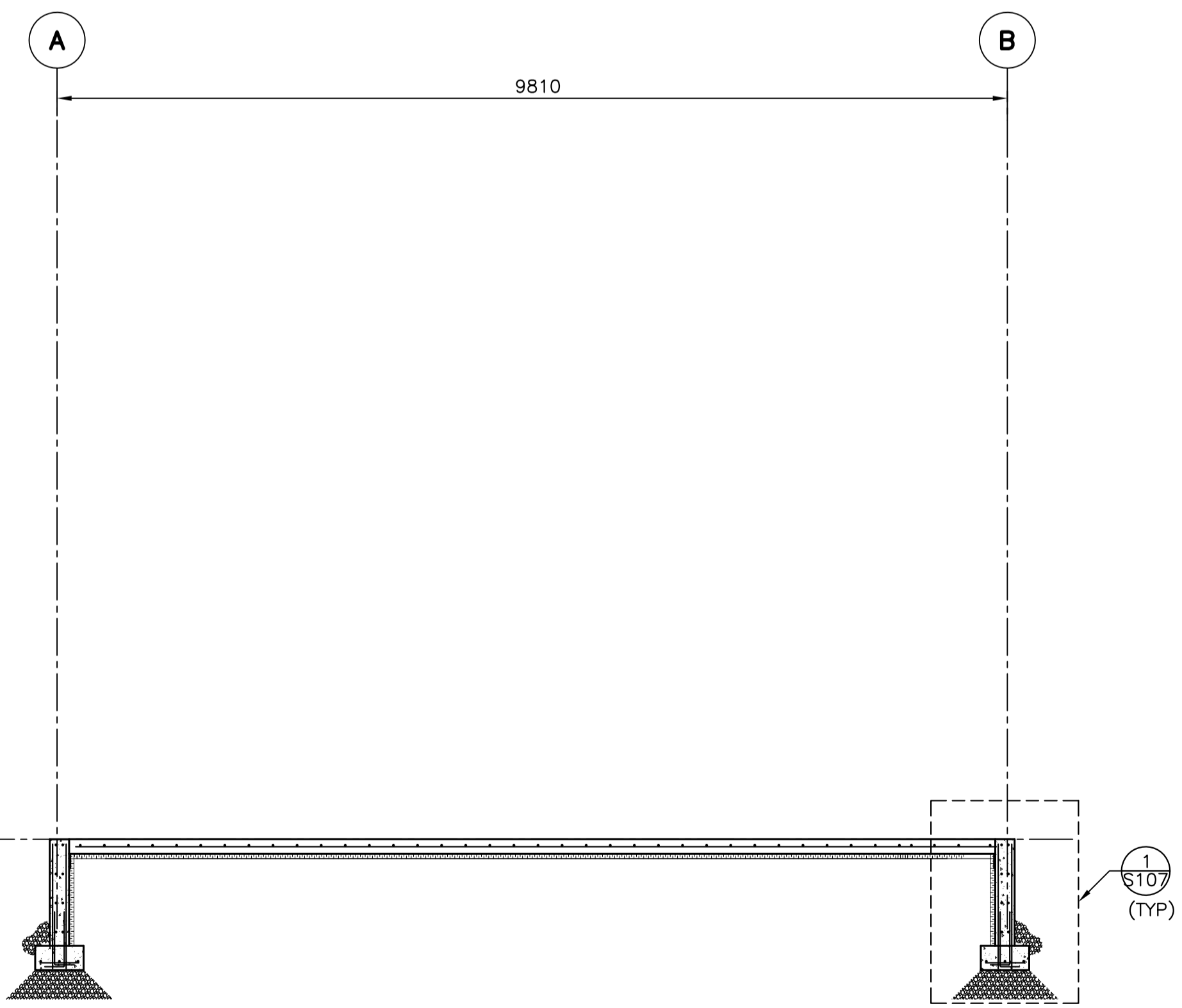
PRIME:
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DARTMOUTH, NS B3A 0A5
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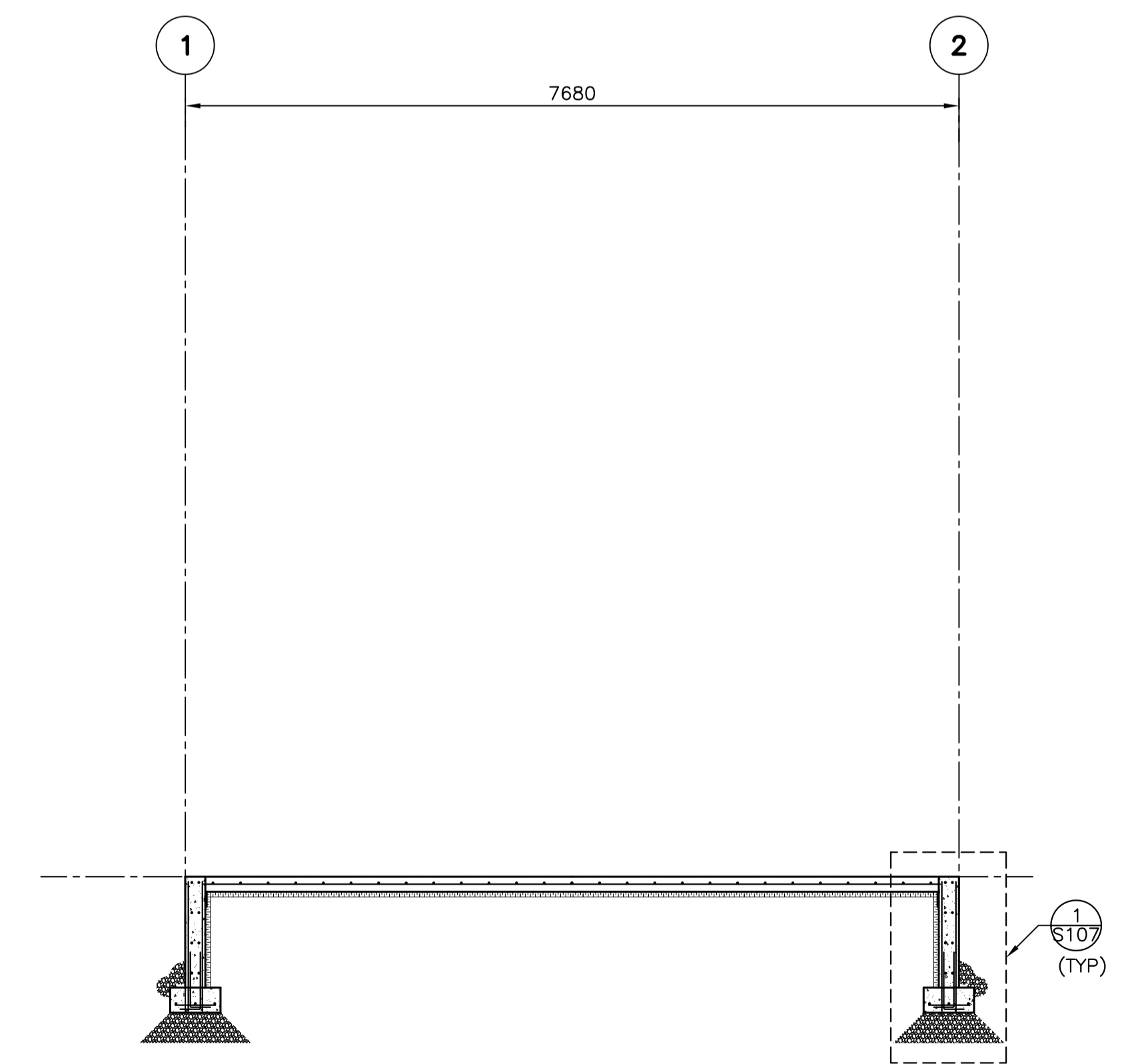
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FOUNDATION PLAN: WASHROOM
SCALE: 1:50
1 S103



SECTION A2
SCALE: 1:50
S103



SECTION B2
SCALE: 1:50
S103



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revisions		date
project		projct

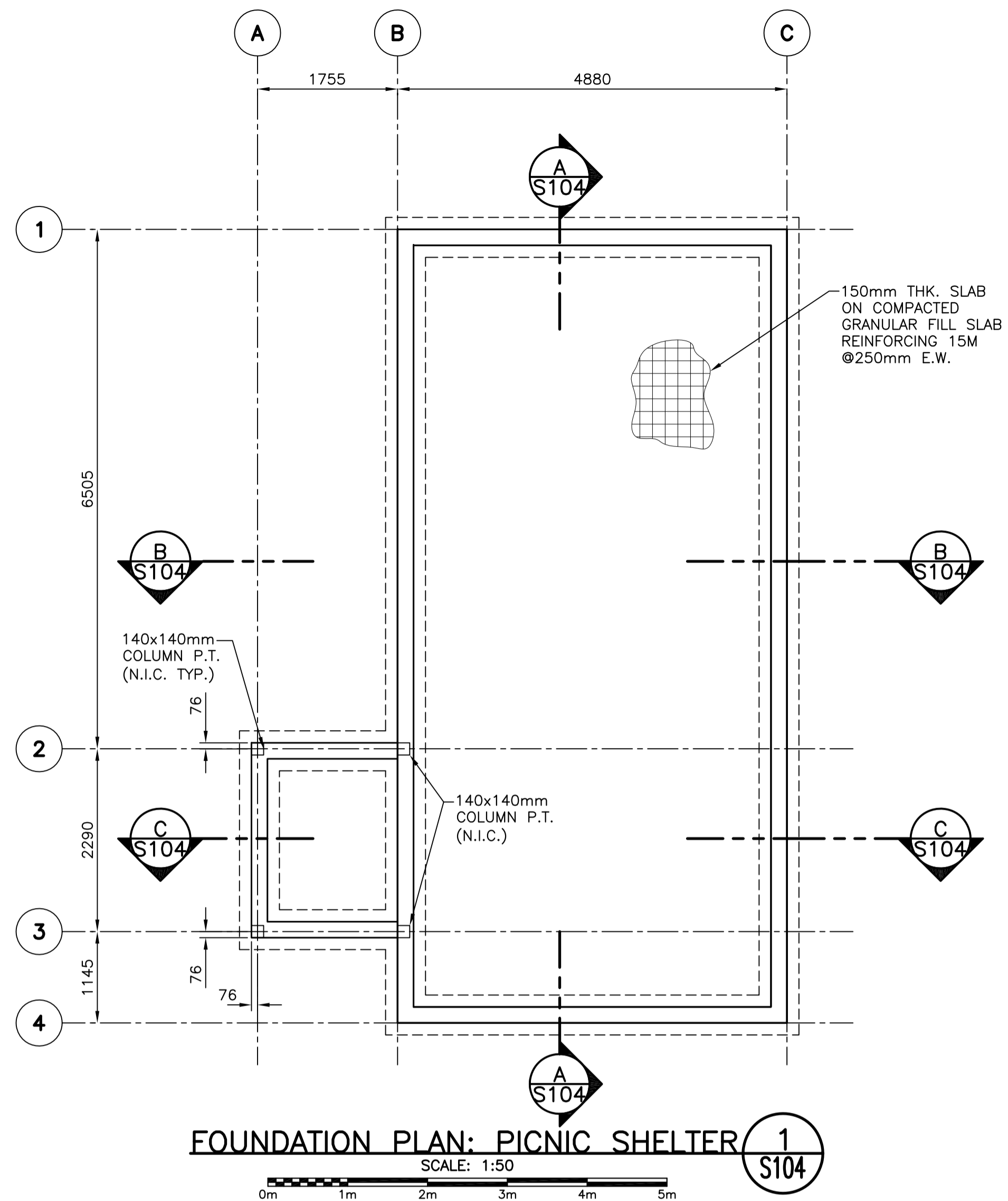
**PARKS CANADA
TROUT BROOK
CAMPGROUND
(FOUNDATION PACKAGE)
CAMPGROUND BUILDINGS**

**STRUCTURAL
WASHROOM BUILDING
FOUNDATION PLAN
AND SECTIONS**

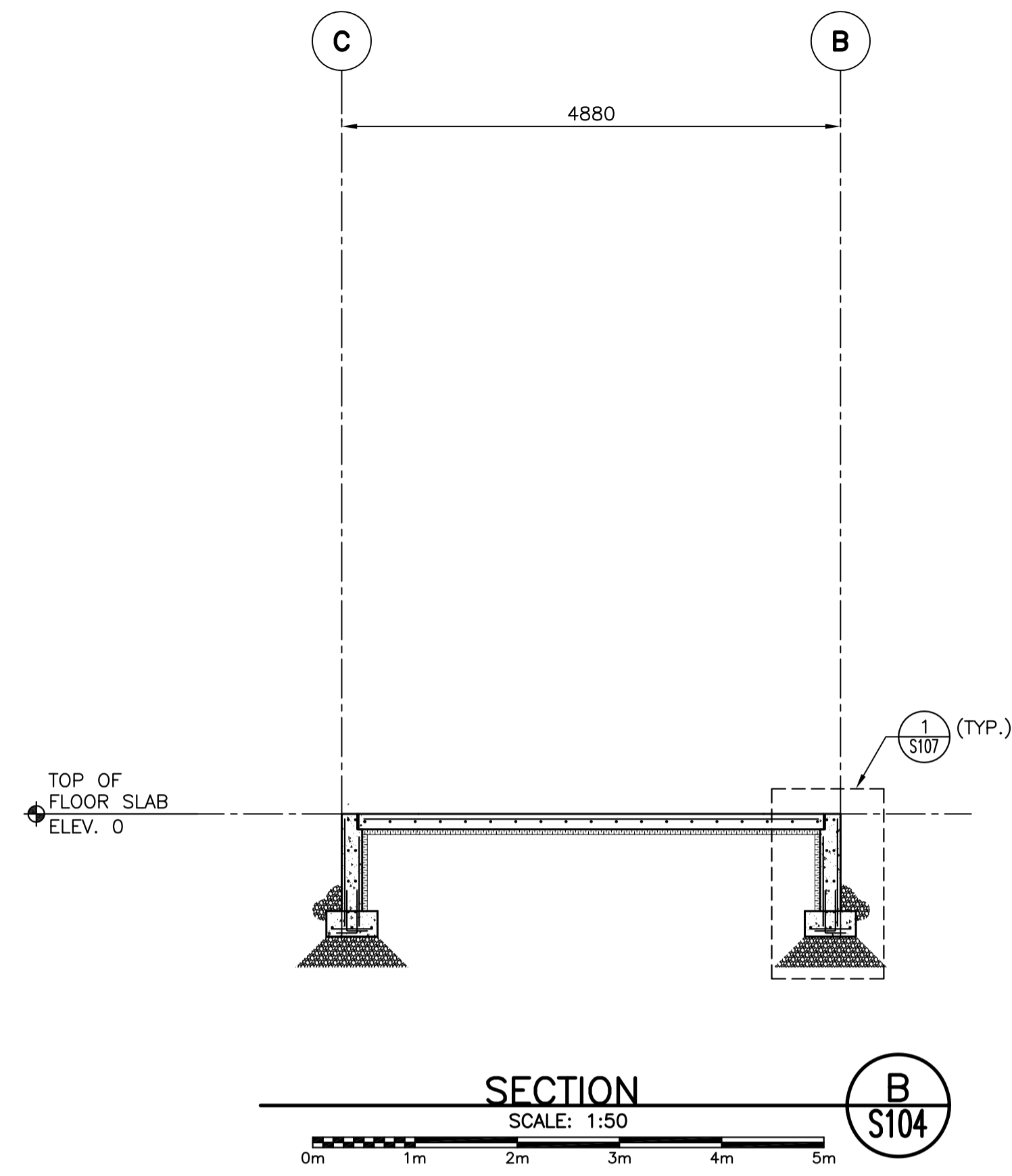
designed	N. GUY	conçu
date	2018.08.10.	
drawn	M. FRAMPTON	dessiné
date	2018.08.10.	
approved	N. GUY	approuvé
date	2018.08.10.	
Tender		Soumission

PWGC Project Manager / Administrateur de projets TPSGC
project number / no. du projet
R.01092017

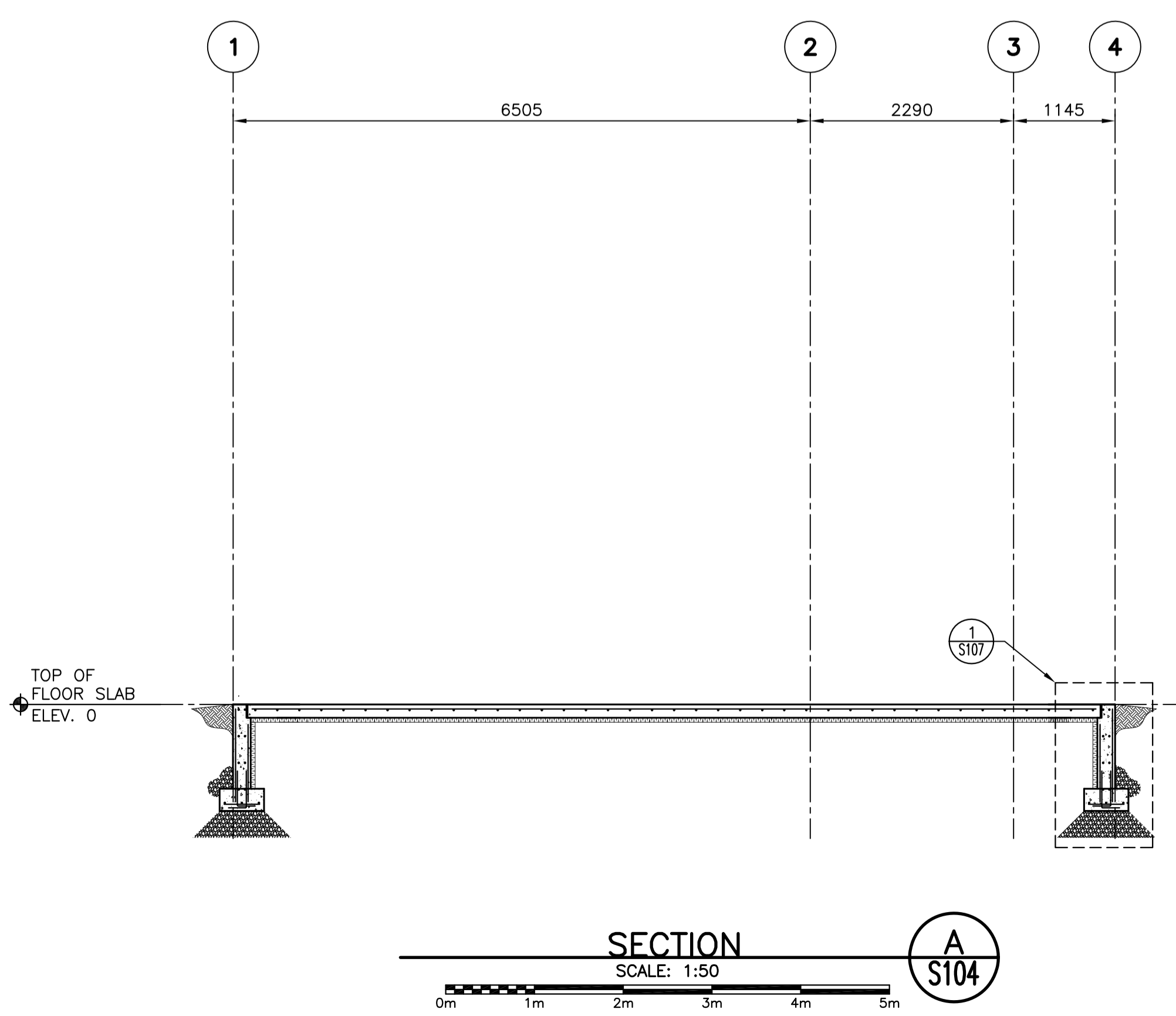
drawing no. / no. du dessin
S103



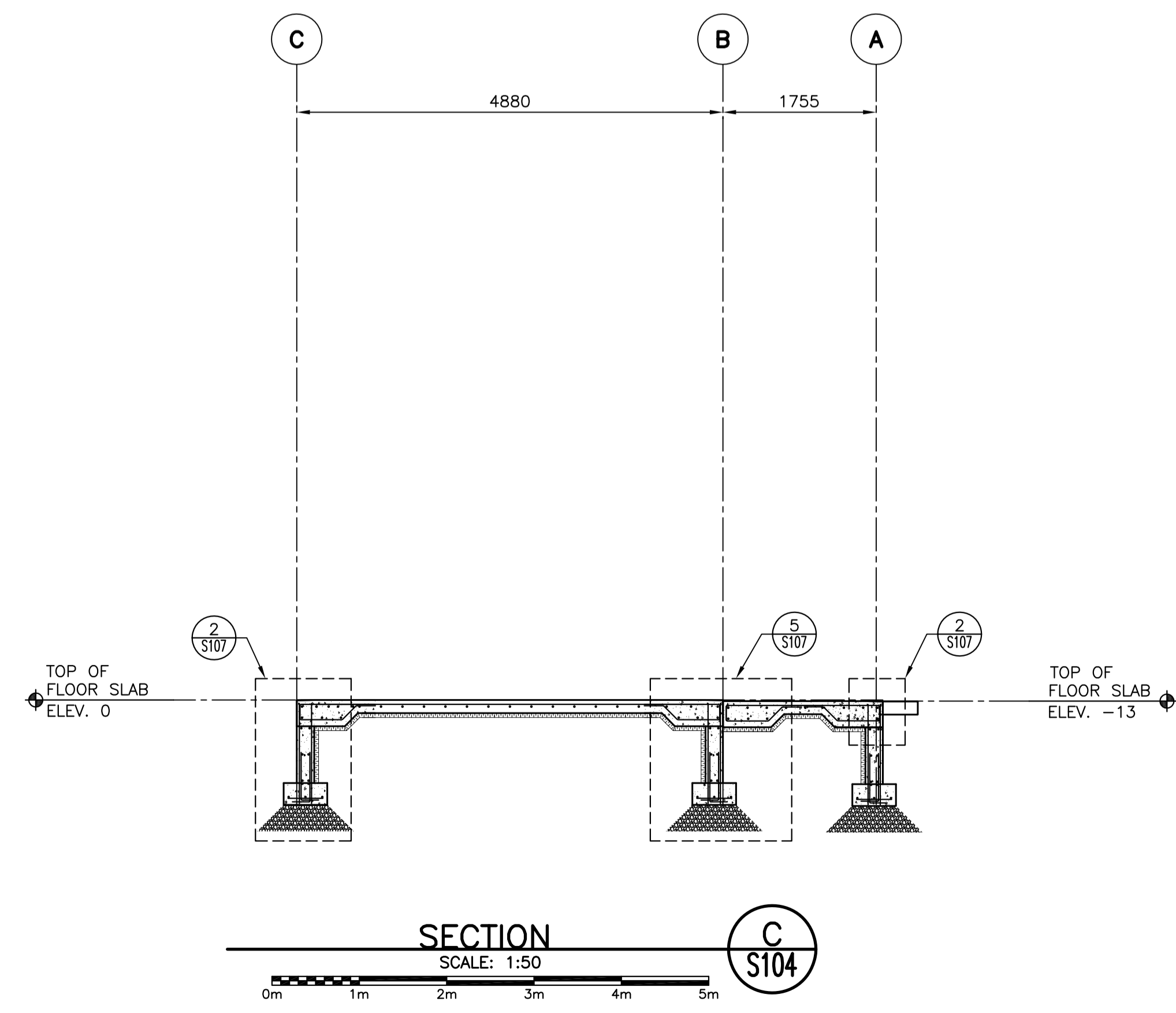
FOUNDATION PLAN: PICNIC SHELTER
SCALE: 1:50



SECTION B/S104
SCALE: 1:50



SECTION A/S104
SCALE: 1:50



SECTION C/S104
SCALE: 1:50

DESIGN LOADS:

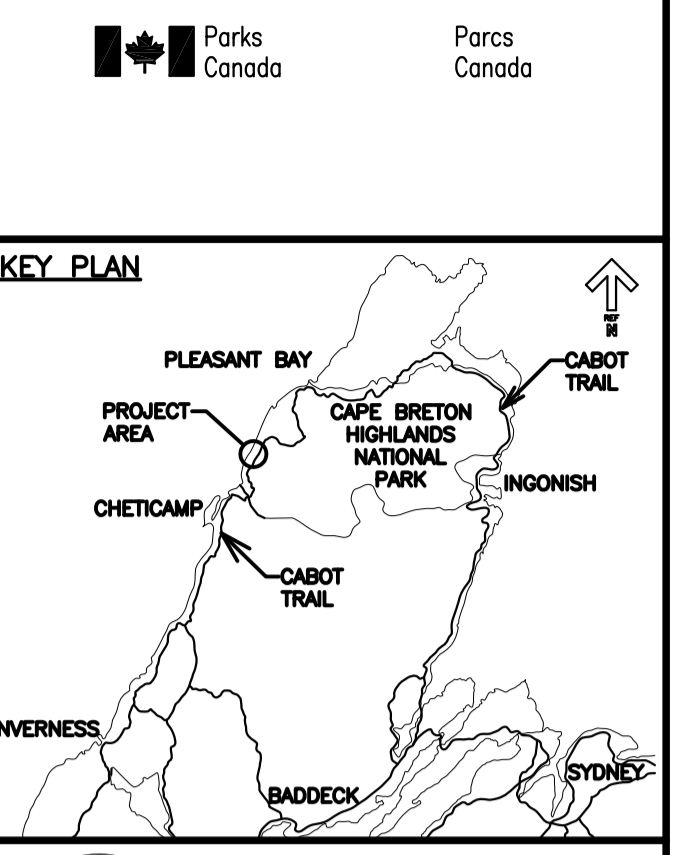
- CLIMATIC DATA:
- A. SNOW: $S_s = 2.4 \text{ kPa}$
 $S_r = 0.6 \text{ kPa}$
 - B. WIND: $Q_{50} = 0.91 \text{ kPa}$
 - C. SEISMIC: $S_a(0.2) = 0.18$
 $S_a(0.5) = 0.11$
 $S_a(1.0) = 0.058$
 $S_a(2.0) = 0.016$
 $P_{GA} = 0.086$

NOTE:

FOR FOUNDATION WALL PENETRATIONS REFER TO 9/S107 FOR ADDITIONAL REINF. COORDINATE EXACT LOCATION W/ CIVIL & MECH.

LEGEND:

- CJ. - CONTROL JOINT
- EL. - ELEVATION
- E/W - EACH WAY
- EXIST. - EXISTING
- FL. - FLOOR
- G.L. - GRID LINE
- MFG. - MANUFACTURER
- UNO - UNLESS NOTED OTHERWISE
- O/C - ON CENTER
- FIN. - FINISHED
- CONC. - CONCRETE
- TBD. - TO BE DETERMINED
- TYP. - TYPICAL
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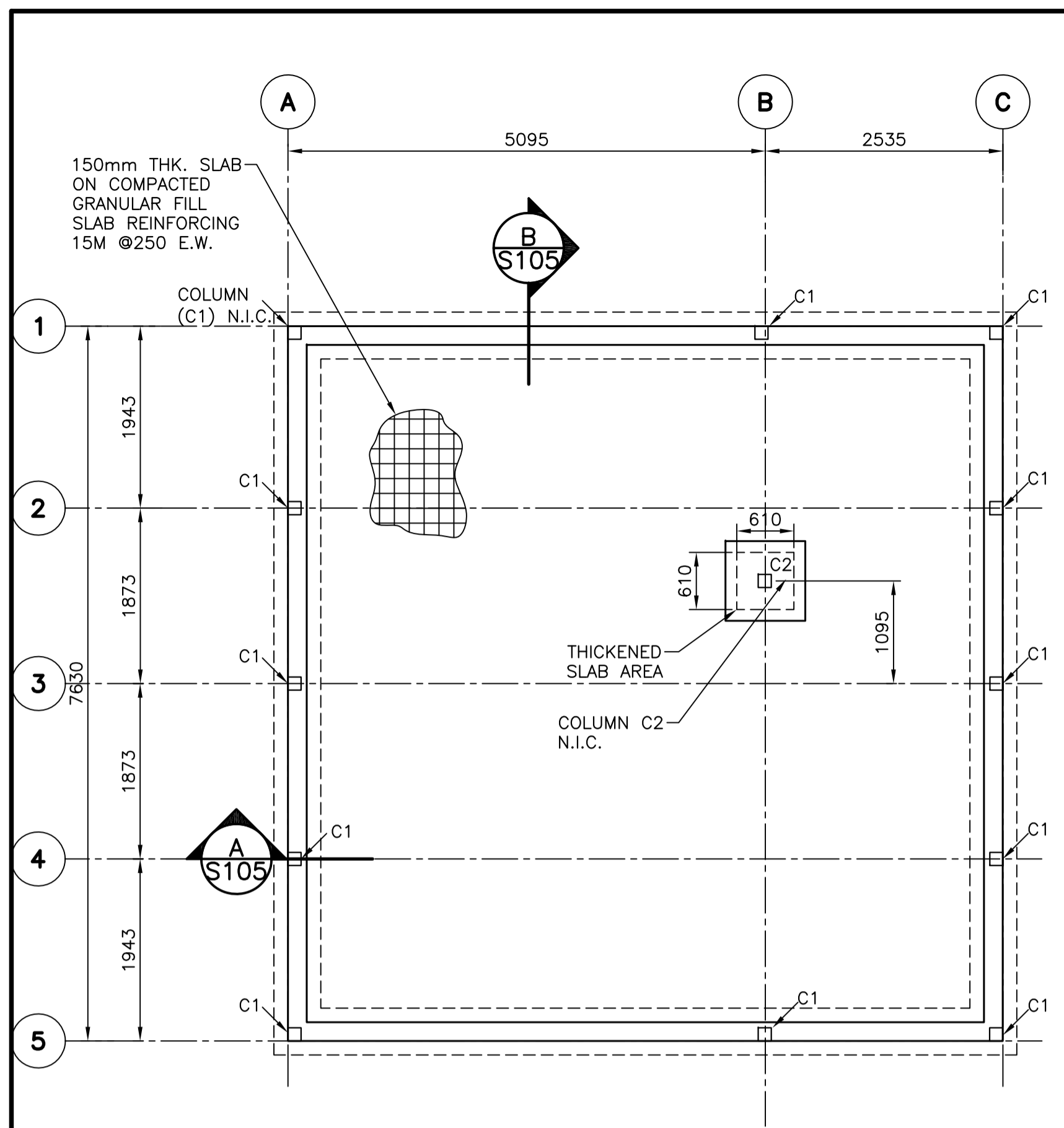
**PARKS CANADA
TROUT BROOK
CAMPGROUND
(FOUNDATION PACKAGE)
CAMPGROUND BUILDINGS**

drawing dessein
**STRUCTURAL
PICNIC SHELTER
BUILDING
FOUNDATION PLAN
AND SECTIONS**

designed	N. GUY	conçu
date	2018.08.10.	
drawn	M. FRAMPTON	dessiné
date	2018.08.10.	
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date	2018.08.10.	
Tender		Soumission

PWGSC Project Manager	Administrateur de projets TPSGC
project number	no. du projet
R.01092017	
drawing no.	no. du dessin

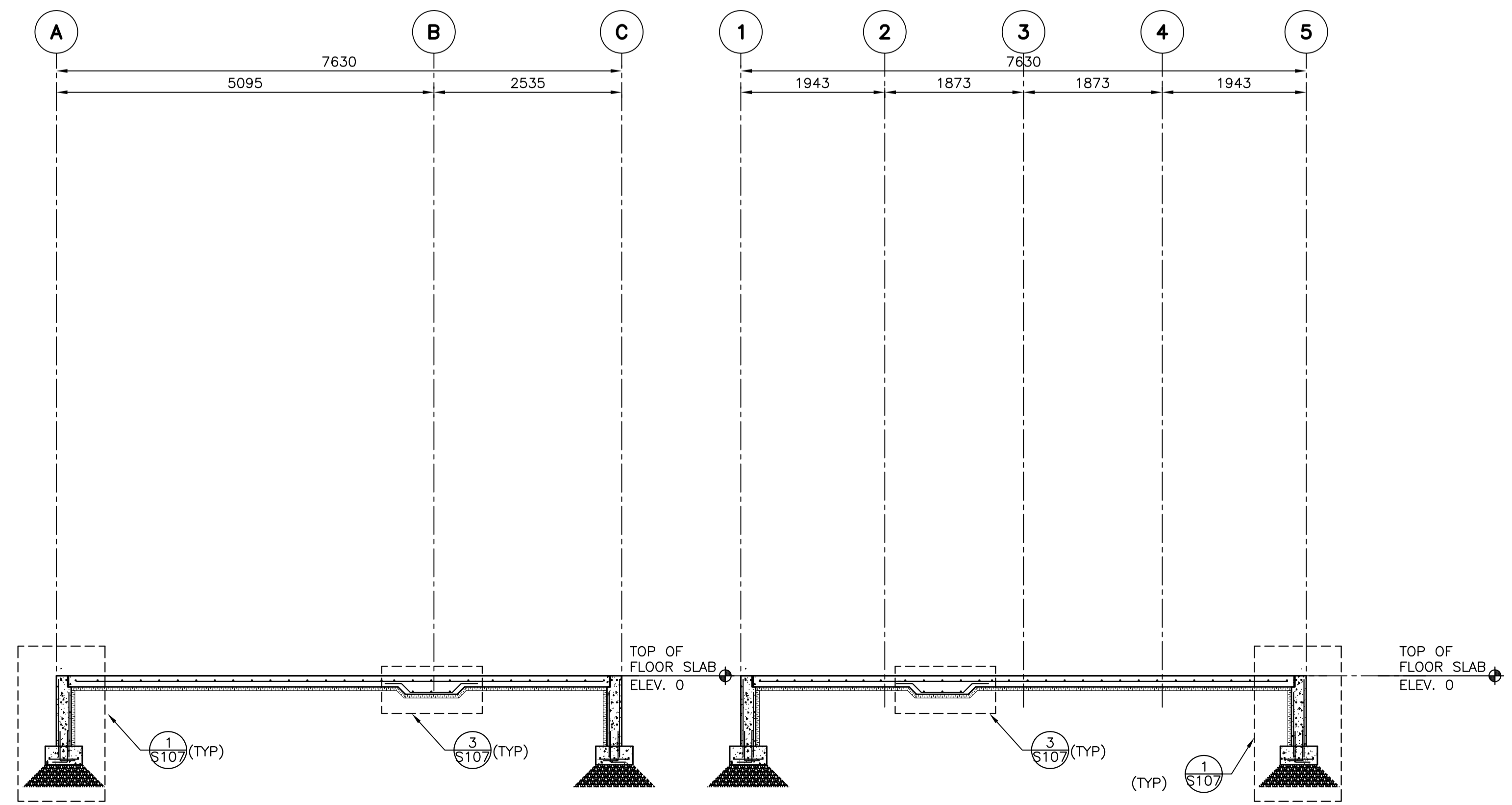
S104



FOUNDATION PLAN: INTERPRETIVE CENTRE **1** S105

SCALE: 1:50

0m 1m 2m 3m 4m 5m



SECTION A SCALE: 1:50 **A** S105

0m 1m 2m 3m 4m 5m

SECTION B SCALE: 1:50 **B** S105

0 10 20mm 40 60 80 100 120 140 160 180 200mm

DESIGN LOADS:

- CLIMATIC DATA:
- A. SNOW: $S_s = 2.4 \text{ kPa}$
 $S_r = 0.6 \text{ kPa}$
- B. WIND: $Q_{S0} = 0.91 \text{ kPa}$
- C. SEISMIC $S_a(0.2) = 0.18$
 $S_a(0.5) = 0.11$
 $S_a(1.0) = 0.058$
 $S_a(2.0) = 0.016$
 $P_{GA} = 0.086$

NOTE:

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TBD. - TO BE DETERMINED
TYP. - TYPICAL
U/S - UNDERSIDE

Parks Canada / Parcs Canada

KEY PLAN

PLEASANT BAY CABOT TRAIL
PROJECT AREA
CHETICAMP CABOT TRAIL
INGONISH
INVERNESS BADDECK SYDNEY

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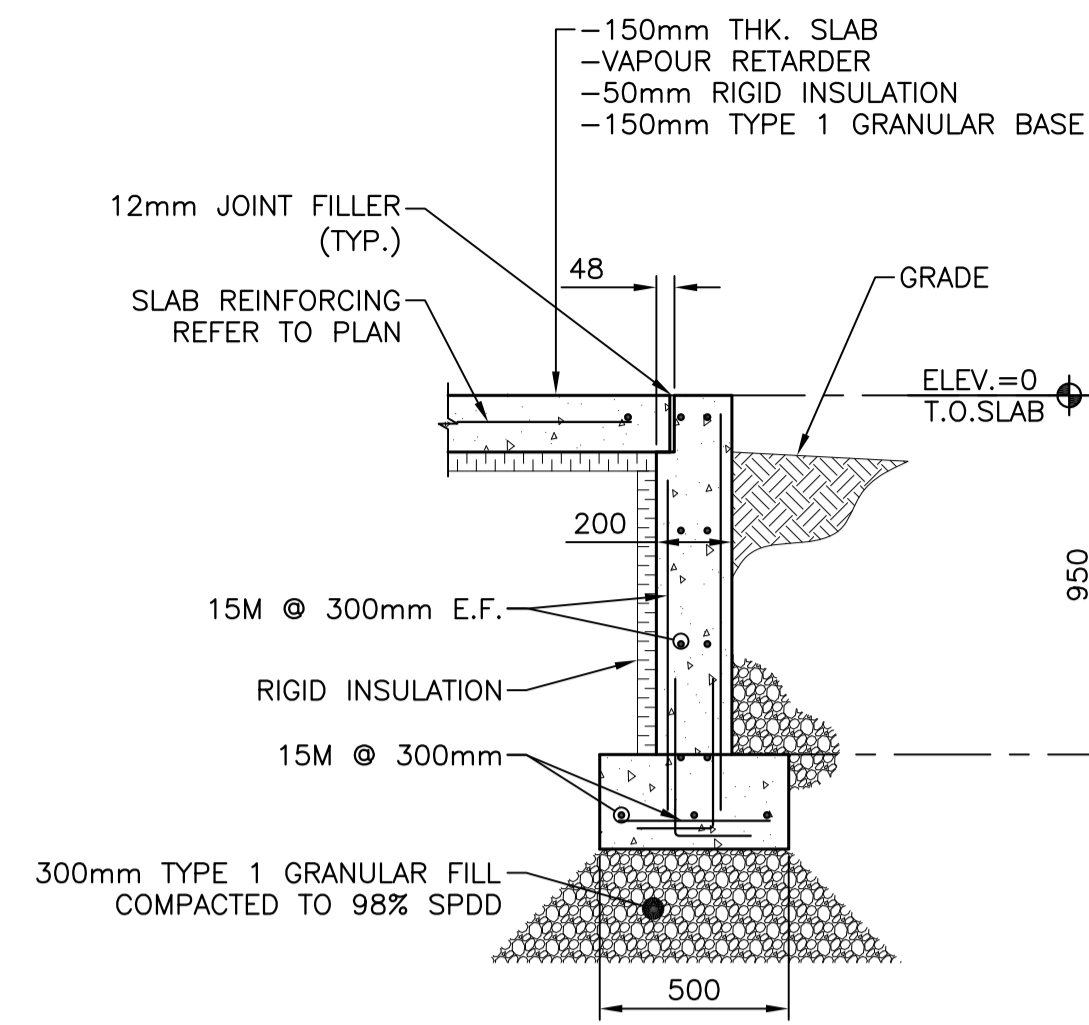
PARKS CANADA
TROUT BROOK
CAMPGROUND
(FOUNDATION PACKAGE)
CAMPGROUND BUILDINGS

STRUCTURAL
INTERPRETIVE CENTRE
BUILDING
FOUNDATION PLAN
AND SECTIONS

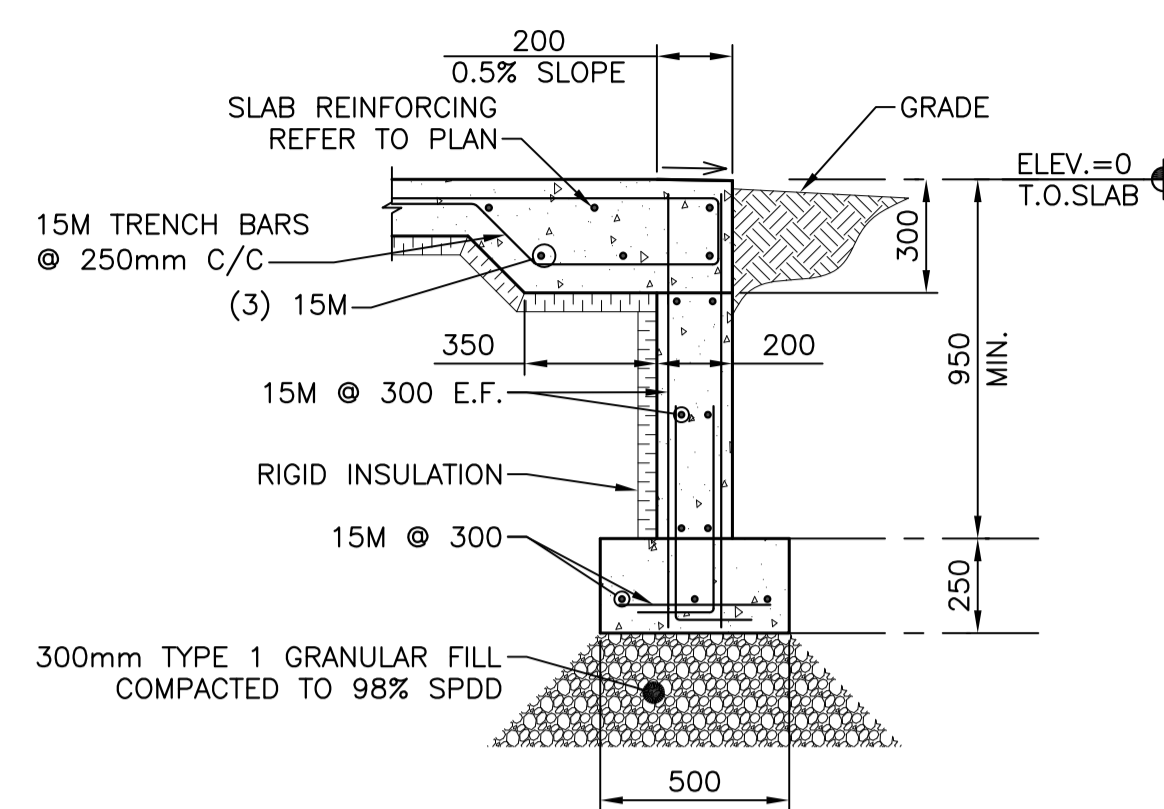
designed	N.GUY	conçu
date	2018.08.10.	
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PWGSC Project Manager / Administrateur de projets TPSGC
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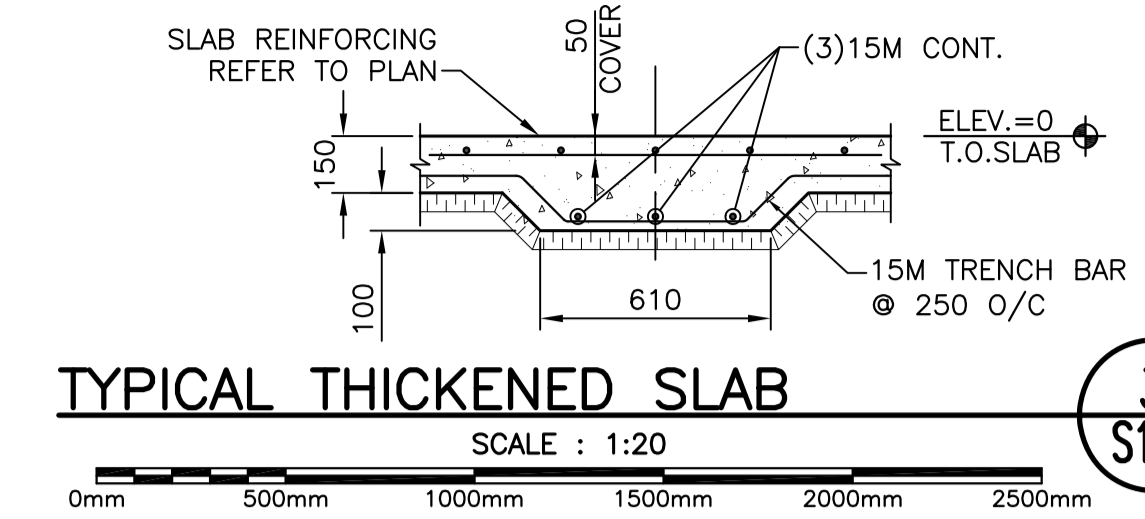
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S105



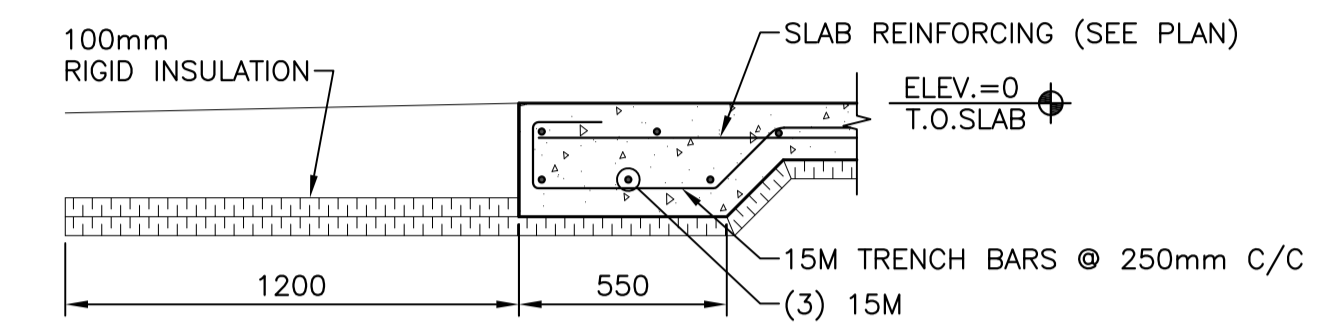
TYPICAL PERIMETER WALL/FOOTING (1) (1) (1) (1) (1)
 S101 S102 S103 S104 S105
 SCALE : 1:20
 0mm 500mm 1000mm 1500mm 2000mm 2500mm



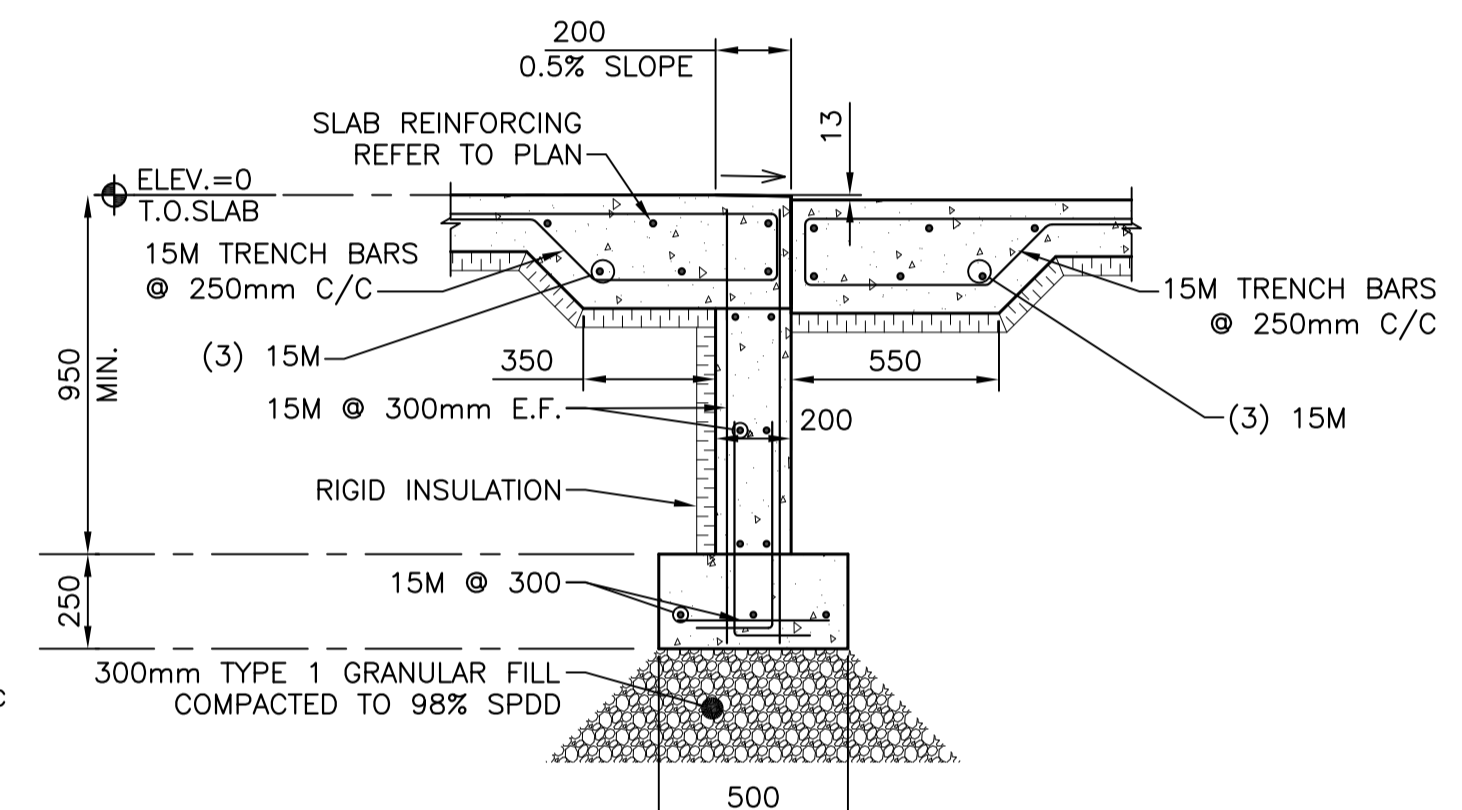
TYPICAL SLAB AT DOORS/OPENINGS (2) (2)
 S102 S104
 SCALE : 1:20
 0mm 500mm 1000mm 1500mm 2000mm 2500mm



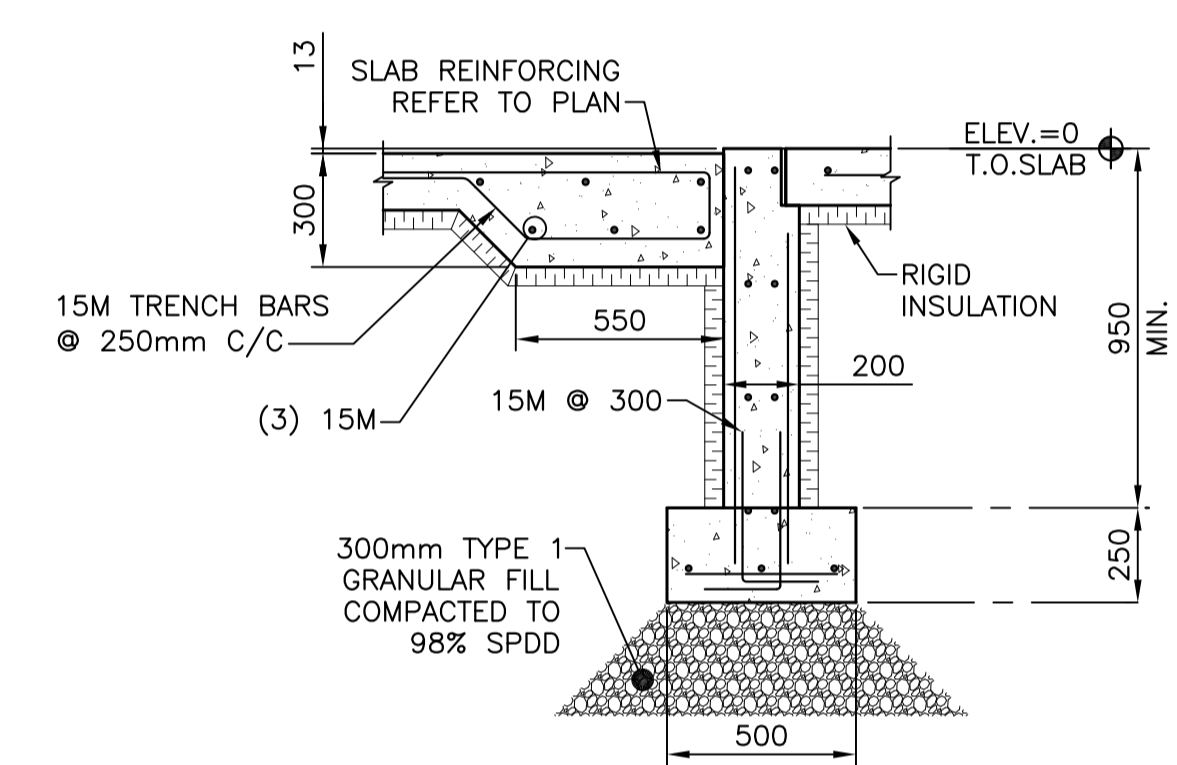
TYPICAL THICKENED SLAB (3)
 S105
 SCALE : 1:20
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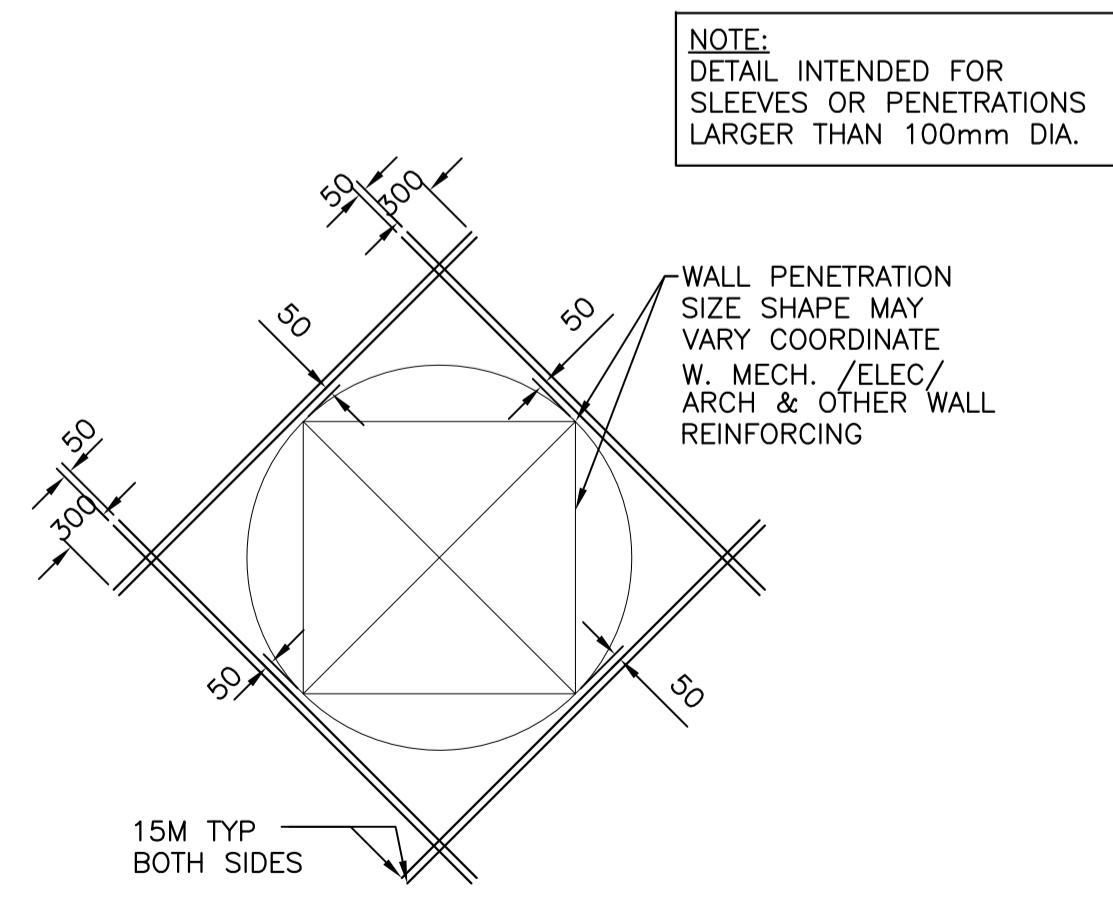
TYPICAL THICKENED SLAB EDGE (4)
 S101
 SCALE : 1:20
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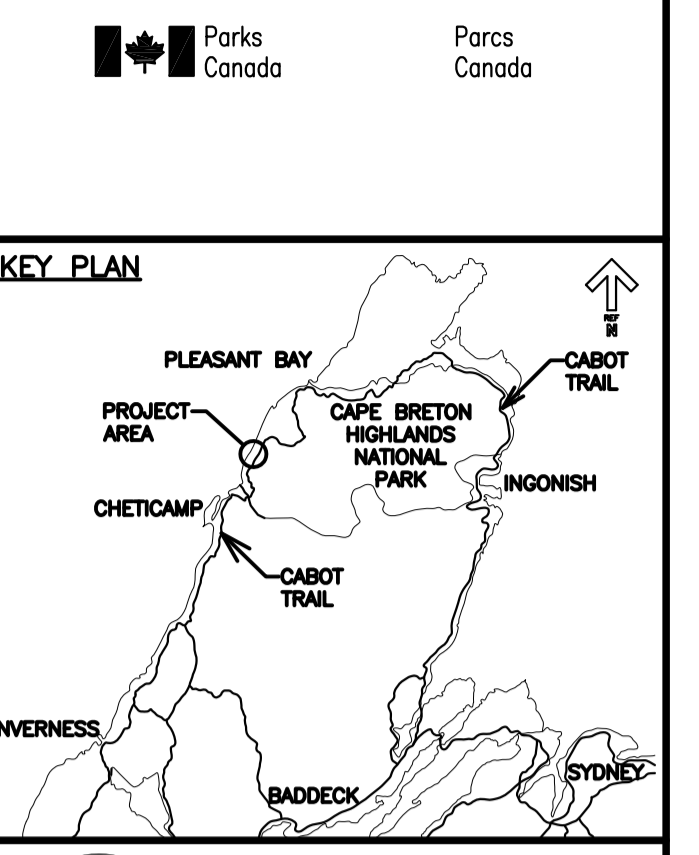
FOUNDATION/ THICKENED SLAB (5)
 S104
 SCALE : 1:20
 0mm 500mm 1000mm 1500mm 2000mm 2500mm



FOUNDATION TO SLAB TRANSITION (7)
 S101
 SCALE : 1:20
 0mm 500mm 1000mm 1500mm 2000mm 2500mm



FOUNDATION WALL PENETRATION (9)
 S101
 SCALE : N.T.S.



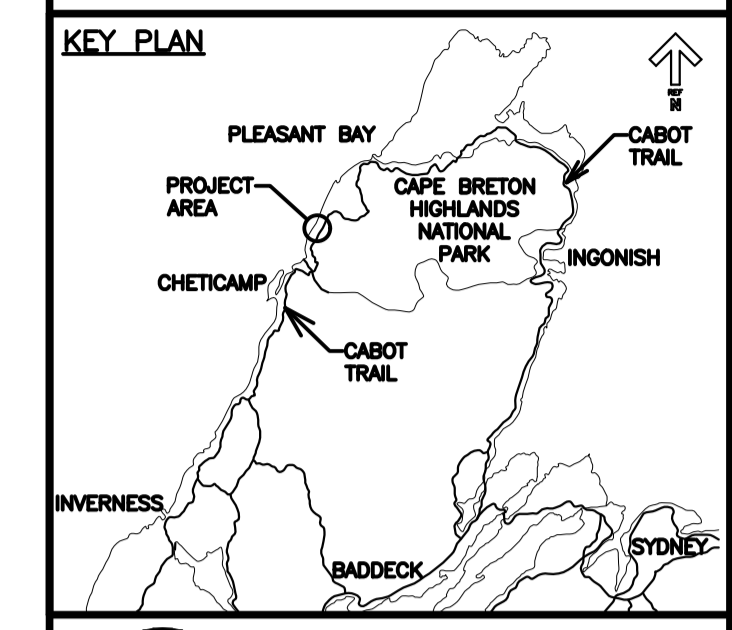
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revisions		date
project		project

**PARKS CANADA
 TROUT BROOK
 CAMPGROUND
 (FOUNDATION PACKAGE)
 CAMPGROUND BUILDINGS**

designed	N.GUY	conçu
date	2018.08.10.	
drawn	M.FRAMPONT	dessiné
date	2018.08.10.	
approved	N.GUY	approuvé
date	2018.08.10.	
Tender		Soumission
PWGCSC Project Manager	Administrateur de projets TPSGC	
project number		no. du projet
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drawing no.		no. du dessin
S107		



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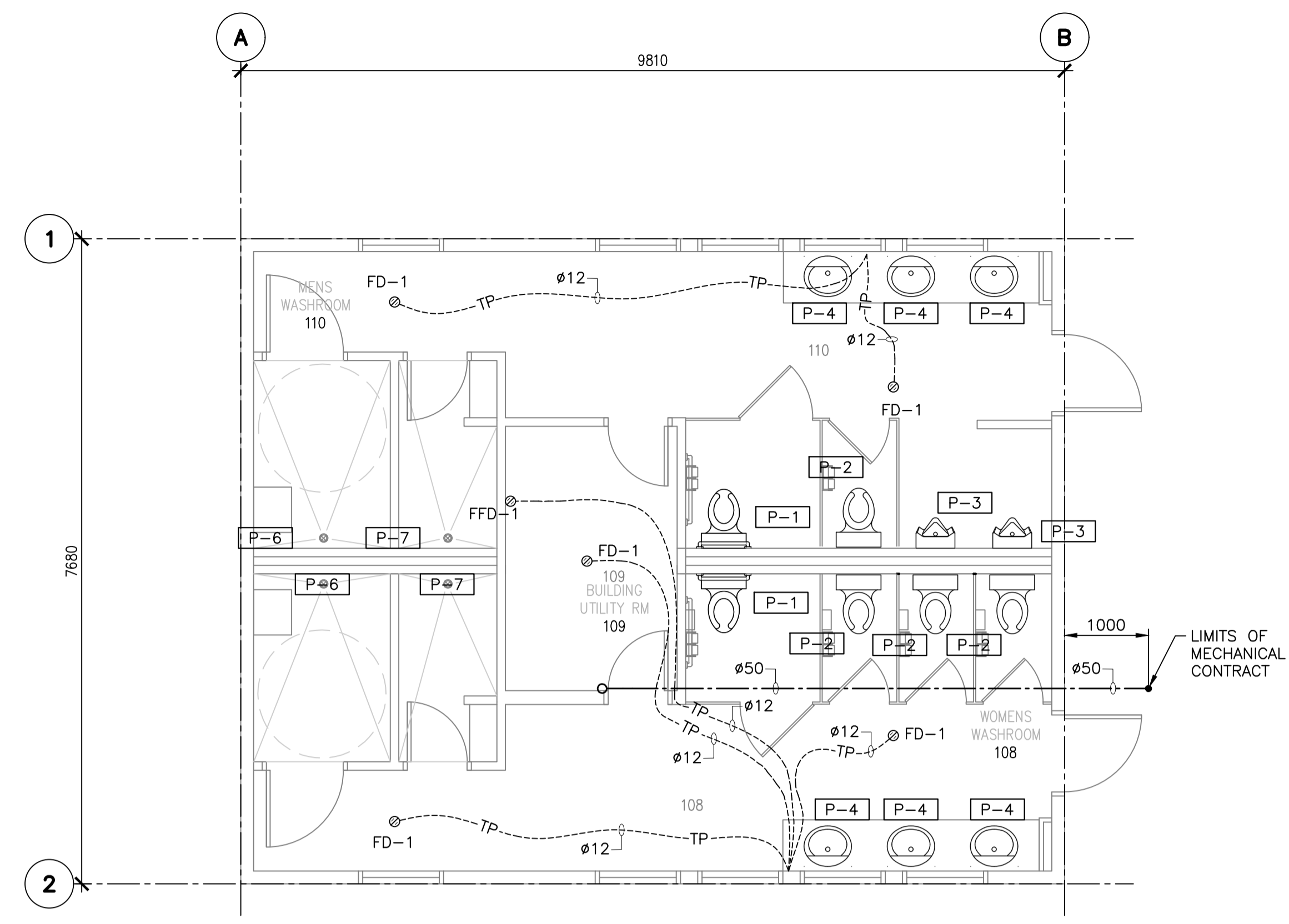
**PARKS CANADA
 TROUT BROOK
 CAMPGROUND
 (FOUNDATION PACKAGE)
 CAMPGROUND BUILDINGS**

**PLUMBING BUILDING 'B'
 (WASHROOM)
 BELOW FLOOR**

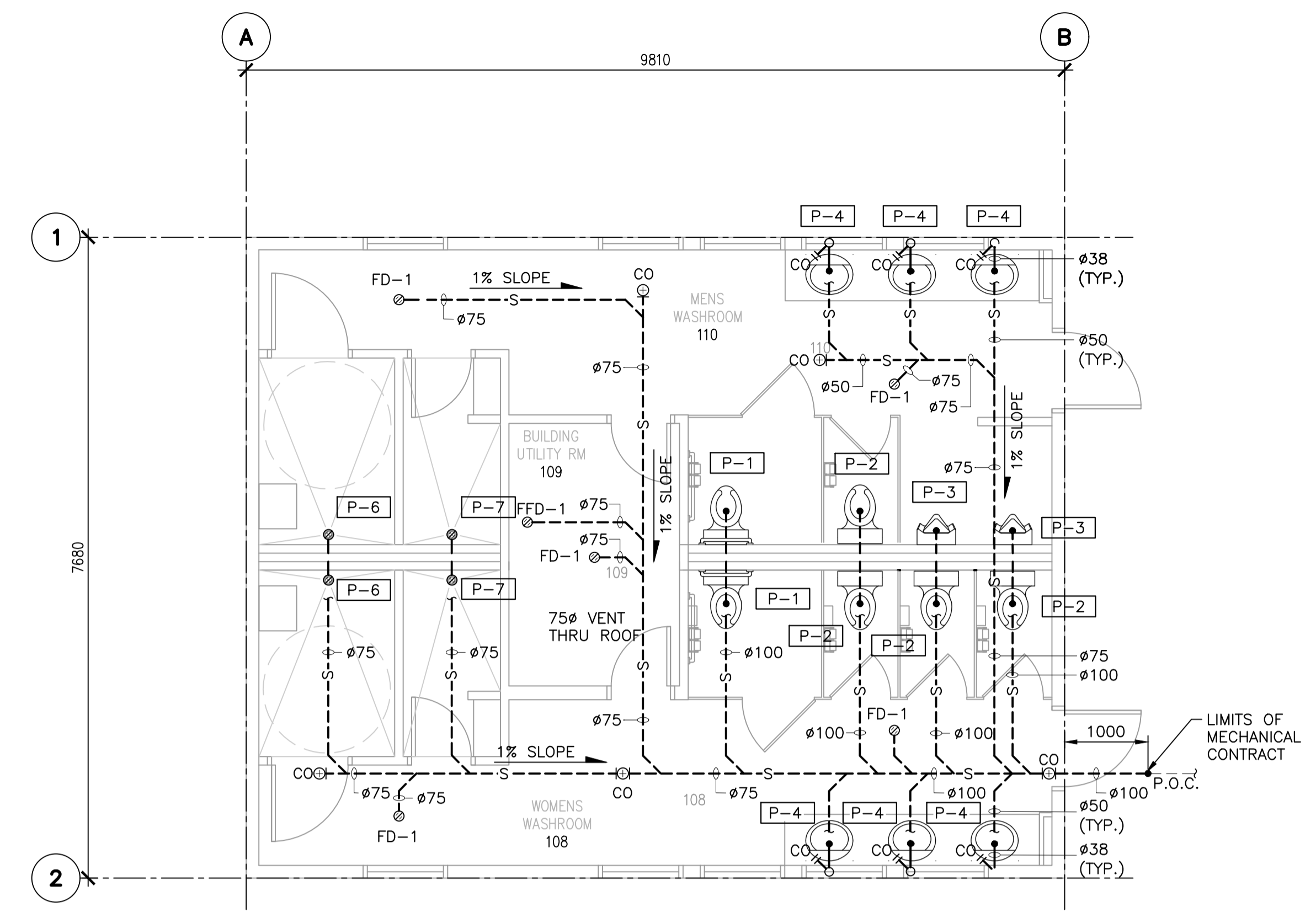
designed	MRM	conçu
date	2018.08.10.	
drawn	MRM	dessiné
date	2018.08.10.	
approved	JPS	approuvé
date	2018.08.10.	
Tender		Soumission

PWSSC Project Manager / Administrateur de projets TPSSC
 project number / no. du projet
R.01092017

drawing no. / no. du dessin
M101



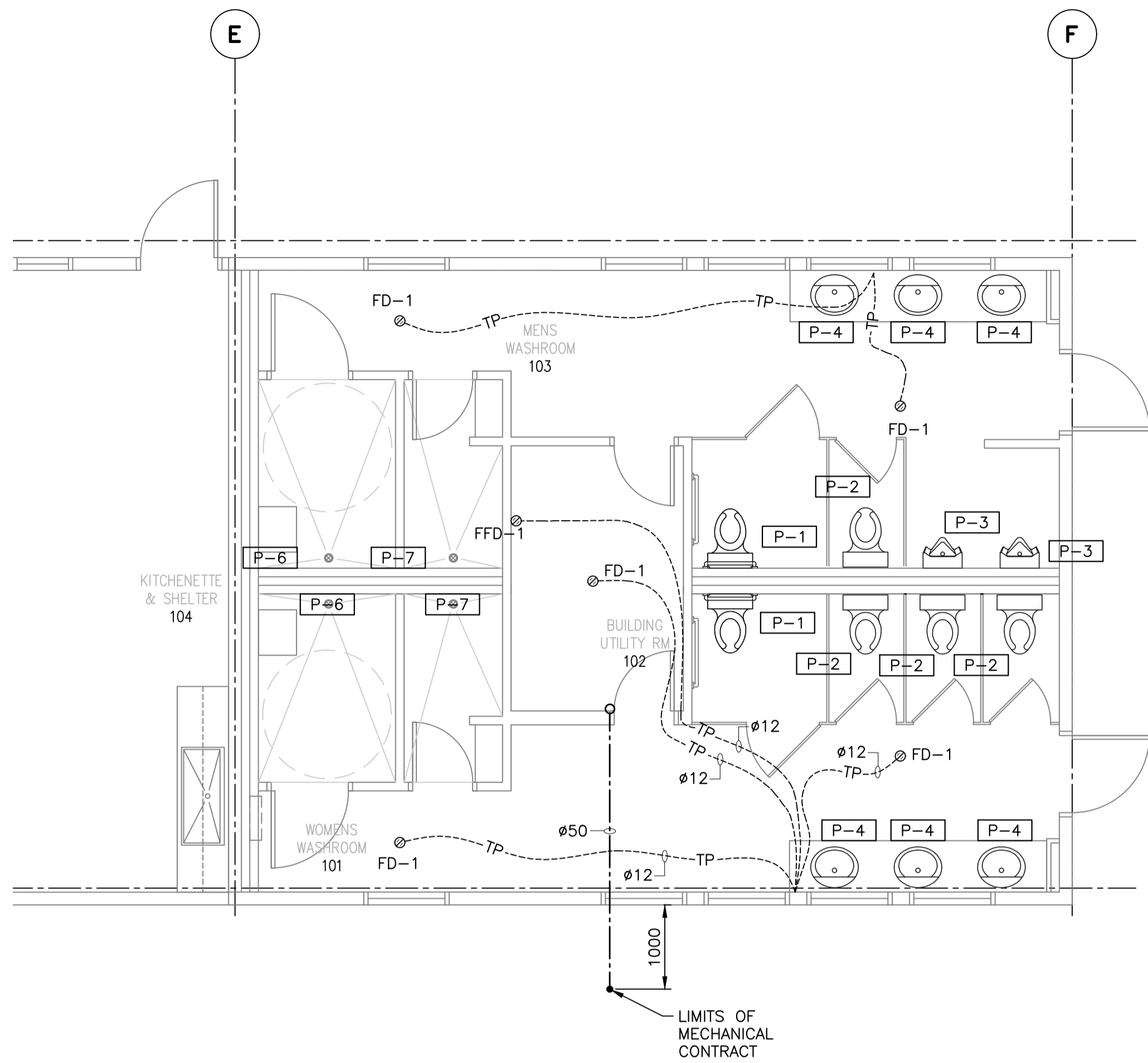
**BUILDING 'B' (WASHROOM) FLOOR PLAN
 DOMESTIC WATER - BELOW FLOOR**
 SCALE: 1:50



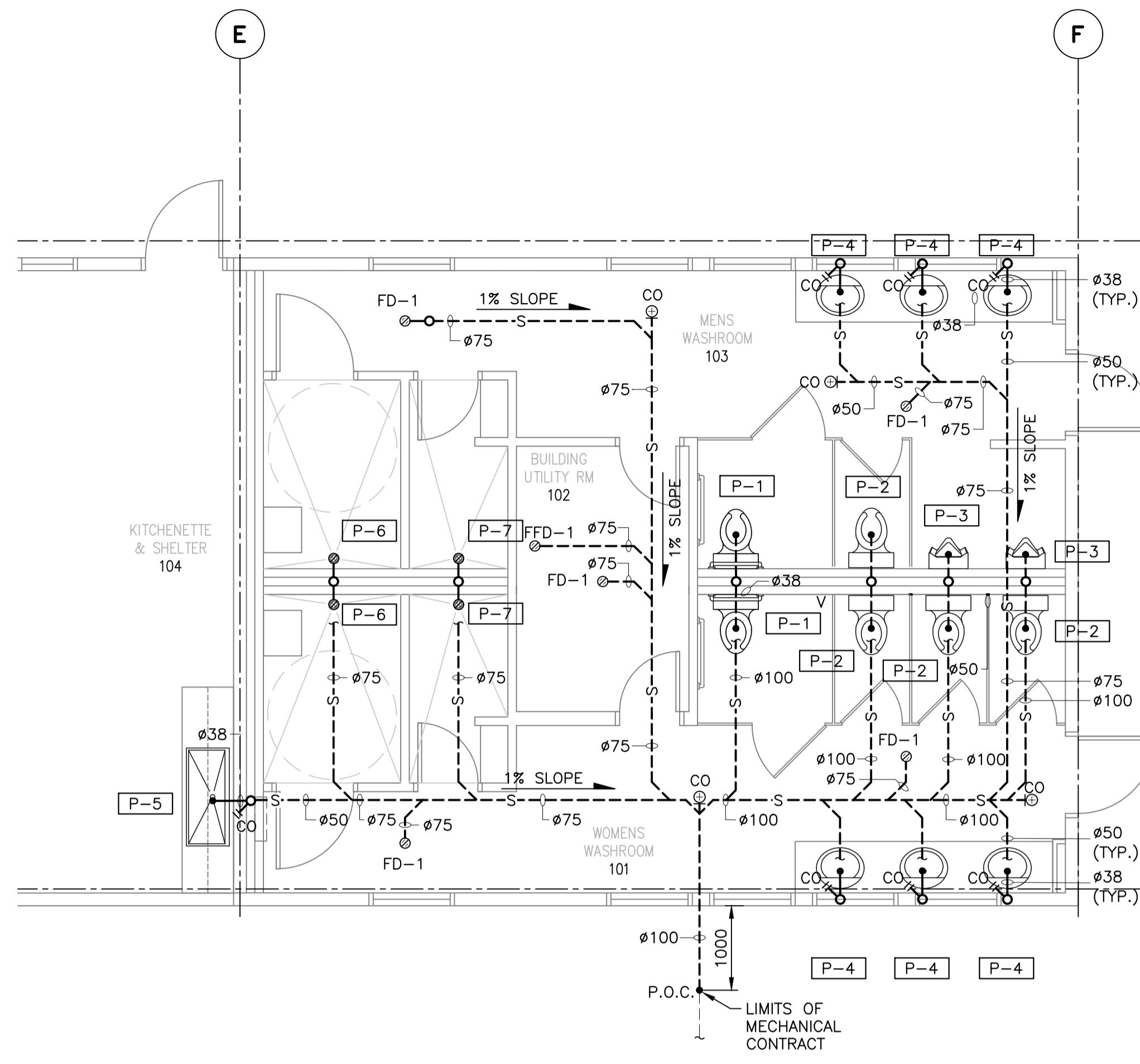
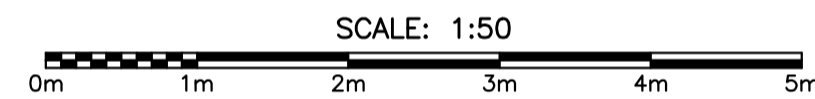
**BUILDING 'B' (WASHROOM) FLOOR PLAN
 SANITARY AND VENT - BELOW FLOOR**
 SCALE: 1:50

PLUMBING LEGEND

- S--- SANITARY DRAIN BELOW FLOOR/GRADE
- DOMESTIC COLD WATER PIPING
- FD @ FLOOR DRAIN C/W DEEP SEAL TRAP
- FFD @ FUNNEL/FLOOR DRAIN C/W DEEP SEAL TRAP
- CO CLEANOUT IN LINE
- CO CLEANOUT IN LINE END OF RUN
- CO CLEANOUT AT FLOOR END OF RUN
- CO CLEANOUT AT FLOOR IN LINE
- CO WALL CLEANOUT
- CO SLOPE PIPING SLOPE
- TP TRAP PRIMER PIPING
- #-# PLUMBING FIXTURE TAG (REFER TO FIXTURE LIST)



**BUILDING 'E' (WASHROOM/KITCHENETTE) FLOOR PLAN
DOMESTIC WATER – BELOW FLOOR**



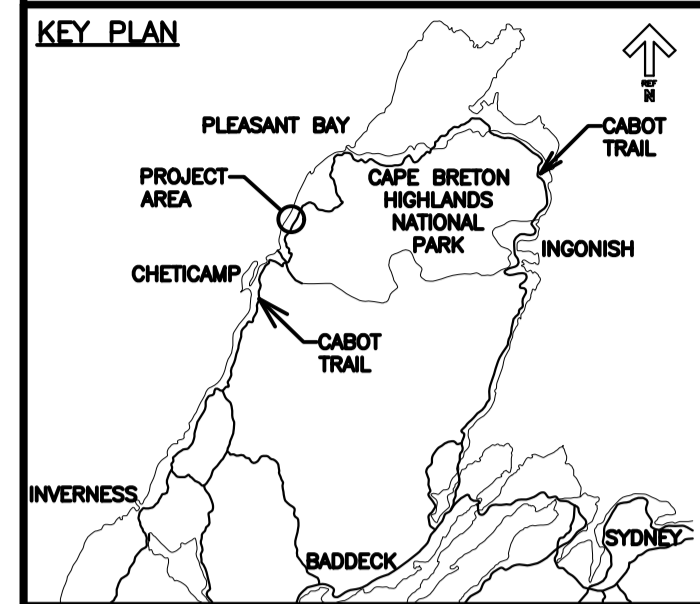
**BUILDING 'E' (WASHROOM/KITCHENETTE) FLOOR PLAN
SANITARY AND VENT – BELOW FLOOR**



PLUMBING LEGEND

- S--- SANITARY DRAIN BELOW FLOOR/GRADE
- DOMESTIC COLD WATER PIPING
- FD@ FLOOR DRAIN C/W DEEP SEAL TRAP
- FFD@ FUNNEL/FLOOR DRAIN C/W DEEP SEAL TRAP
- CO CLEANOUT IN LINE
- CO @ CLEANOUT IN LINE END OF RUN
- CO @ @ CLEANOUT AT FLOOR END OF RUN
- CO @ @ @ CLEANOUT AT FLOOR IN LINE
- CO @ @ @ @ WALL CLEANOUT
- S--- PIPING SLOPE
- TP--- TRAP PRIMER PIPING
- #-# PLUMBING FIXTURE TAG (REFER TO FIXTURE LIST)

KEY PLAN



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revisions		date

project	project
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**PARKS CANADA
TROUT BROOK
CAMPGROUND
(FOUNDATION PACKAGE)
CAMPGROUND BUILDINGS**

drawing	dessin
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**PLUMBING BUILDING 'E'
(WASHROOM/KITCHENETTE)
BELOW FLOOR**

designed	MRM	conçu
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date	2018.08.10.	
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drawn	MRM	dessiné
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date	2018.08.10.	
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approved	JPS	approuvé
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date	2018.08.10.	
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Tender	Soumission
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PWGC Project Manager	Administrateur de projets TPSCG
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project number	no. du projet
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R.01092017

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M102