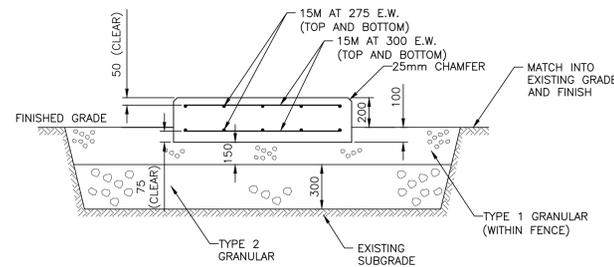


**DOCKING PANEL SLAB - REINFORCEMENT LAYOUT** 1

SCALE : 1:20  
0mm 500mm 1000mm 1500mm 2000mm 2500mm

NOTE:  
ALL DIMENSIONS ARE IN MILLIMETERS



**SECTION - DOCKING PANEL SLAB** A

SCALE : 1:20  
0mm 500mm 1000mm 1500mm 2000mm 2500mm

NOTE:  
ALL DIMENSIONS ARE IN MILLIMETERS

**GENERAL STRUCTURAL NOTES**

- EXISTING CONDITIONS SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE TO VISIT SITE, CONFIRM EXISTING CONDITIONS, AND REPORT ANY DISCREPANCIES TO THE DEPARTMENTAL REPRESENTATIVE PRIOR TO COMPLETING ANY WORK UNDER THIS PROJECT.
- CONFIRM EXTENT OF REMOVALS AND FINAL LOCATION OF NEW INSTALLATIONS ON SITE WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO START OF WORK.
- COORDINATE WORK WITH ALL OTHER DISCIPLINE DRAWINGS AND SPECIFICATIONS.
- MOUNTING SURFACES FOR EQUIPMENT ARE TO BE SOUND AND LEVEL. SHOULD LEVELING BE REQUIRED TO ENSURE UNIFORM SUPPORT, DO SO BY METHOD APPROVED BY EQUIPMENT MANUFACTURER AND DEPARTMENTAL REPRESENTATIVE.
- SUBMIT CONCRETE REINFORCING STEEL SHOP DRAWINGS AND CONCRETE MIX DESIGN FOR DEPARTMENTAL REPRESENTATIVE REVIEW PRIOR TO STARTING RELATED WORK OF THIS PROJECT.
- COORDINATE PLACEMENT OF EQUIPMENT ANCHORAGE WITH APPROVED MANUFACTURER SHOP DRAWINGS.
- DO NOT SCALE DRAWINGS, USE ONLY GIVEN DIMENSIONS.

**CONCRETE NOTES**

- REINFORCED CONCRETE TO BE PROPORTIONED IN ACCORDANCE WITH CSA A23.1 (LATEST EDITION) TO THE FOLLOWING REQUISITES:
  - MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS ..... 35 MPa
  - MAXIMUM WATER TO CEMENT RATIO ..... 0.40
  - PURPOSELY ENTRAINED AIR CONTENT ..... 6 TO 8%
  - MINIMUM CEMENT CONTENT ..... 390 kg/m<sup>3</sup>
  - CEMENT ..... PORTLAND CEMENT TYPE GU
  - SLUMP AT POINT OF DISCHARGE ..... 80 ± 20 mm
  - MAXIMUM AGGREGATE SIZE ..... 20 mm
  - AGGREGATES ..... NON ALKALI REACTIVE
- REINFORCING STEEL TO COMPLY WITH CSA G30.12-M (LATEST EDITION) GRADE 400.
- DETAIL REINFORCING STEEL IN ACCORDANCE WITH THE REINFORCING STEEL MANUAL OF STANDARD PRACTICE BY REINFORCING STEEL INSTITUTE OF CANADA.
- PROVIDE CLEAR COVER TO REINFORCING STEEL AS FOLLOWS:
  - TOP AND SIDES ..... 50 mm
  - SURFACES CAST AGAINST SOIL ..... 75 mm
- ALL INTERIOR AND EXTERIOR EXPOSED CORNERS OF CONCRETE TO HAVE 25 mm CHAMFER.
- ALL LAP SPLICES TO BE CLASS B TENSION SPLICES.
- PROVIDE SMOOTH TROWEL FINISH TO TOP OF ALL EQUIPMENT SLABS ON GRADE AND BUILDING FOUNDATION SLABS. SURFACE TO BE FLAT TO FACILITATE INSTALLATION OF EQUIPMENT. ENSURE NO WATER POOLS ON SURFACE.
- FORMWORK TO REMAIN IN PLACE FOR MINIMUM 7 DAY UNLESS A CURING COMPOUND WITH A FUGATIVE DYE IS APPLIED.
- SUBMIT PROCEDURES FOR PLACING AND CURING CONCRETE IN COLD OR HOT WEATHER (AS APPROPRIATE) FOR REVIEW BY DEPARTMENT REPRESENTATIVE PRIOR TO PLACING ANY CONCRETE.
- DEPARTMENTAL REPRESENTATIVE TO REVIEW REINFORCING STEEL PLACEMENT PRIOR TO PLACING CONCRETE. GIVE DEPARTMENTAL REPRESENTATIVE MINIMUM 48 HOURS NOTICE PRIOR TO ANY PLANNED CONCRETE PLACEMENT.

**ADHESIVE ANCHOR SYSTEM**

- ADHESIVE ANCHORS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTION BY INDIVIDUAL TRAINED IN INSTALLATION BY MANUFACTURER'S REPRESENTATIVE.
- ANCHOR RODS TO BE HOT DIPPED GALVANIZED HAS-E B7 HDG BY HILTI, OR APPROVED EQUIVALENT. ANCHOR RODS TO BE COMPLETE WITH MATCHING HARDWARE. EMBED ALL ANCHORS MINIMUM 200 MM AND ENSURE TOTAL ANCHOR LENGTH IS COORDINATED WITH FINAL EQUIPMENT TO ENSURE SUFFICIENT PROJECTED LENGTH FOR ANCHORING. ANCHOR DIAMETER TO BE AS NOTED ON DRAWINGS.
- ALL ANCHORS TO BE HOT DIPPED GALVANIZED AFTER FABRICATION (DO NOT CUT ON SITE).
- ADHESIVE TO BE HIT-RE 500 V3 EPOXY ADHESIVE ANCHORING SYSTEM, OR APPROVED EQUIVALENT.

**EARTHWORK NOTES**

- RE-GRADE SITE AROUND NEW INSTALLATIONS TO BLEND NEW INSTALLATIONS INTO EXISTING AND ENSURE WATER DRAINS FROM ALL SURFACES.
- REINSTATE SITE DISTURBED DURING CONSTRUCTION TO MATCH SURROUNDING SURFACES TO SATISFACTION OF DEPARTMENTAL REPRESENTATIVE.
- DEPARTMENTAL REPRESENTATIVE TO REVIEW EXCAVATION AND APPROVE SUB-BASE PRIOR TO PLACING ANY NEW GRANULAR MATERIALS.
- TYPE 1 AND TYPE 2 GRANULAR TO BE IN ACCORDANCE WITH NOVA SCOTIA TRANSPORTATION AND INFRASTRUCTURE RENEWAL SPECIFICATION.
- COMPACT ALL GRANULAR MATERIALS TO 100% STANDARD PROCTOR DRY DENSITY.

**TIMBER AND SHEATHING NOTES**

- ALL TIMBER TO BE SPF No.2 OR BETTER.
- INTERIOR PLYWOOD TO BE GOOD-ONE-SIDE, FILLED, SANDED AND PAINTED TO PROVIDE FINISHED INTERIOR WALL SURFACE.



1	ISSUED FOR TENDER	07 OCT 2020
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revisions		date
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project	SEARCH AND RESCUE STATION EMERGENCY POWER ADDITION	project
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LOUISBOURG, NS.

designed M. HIMMELMAN conq

drawn K. WOLFE dessin

approved B. ALLARD approuvé

date AUG. 2020

date

Tender

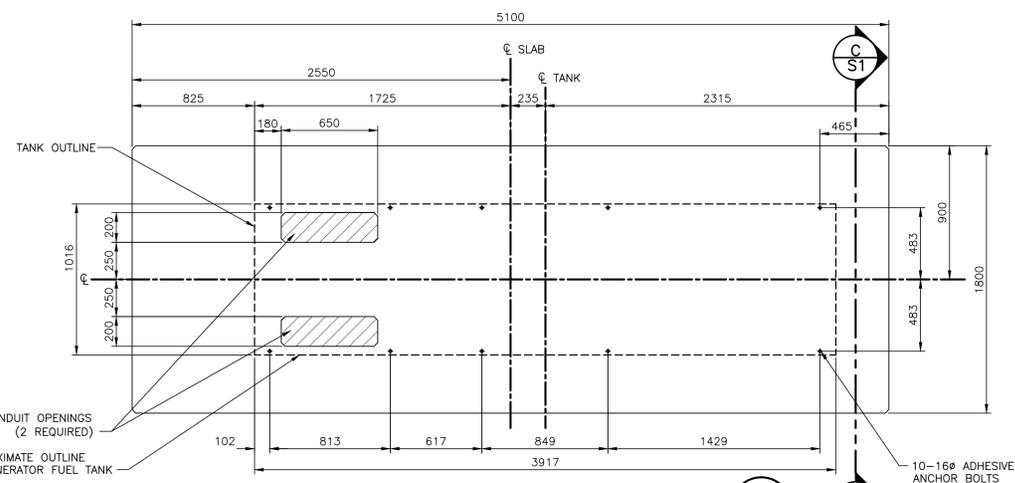
PWSC Project Manager Administrateur de projets TPSC

project number no. du projet

R.102094.001

drawing no. no. du dessin

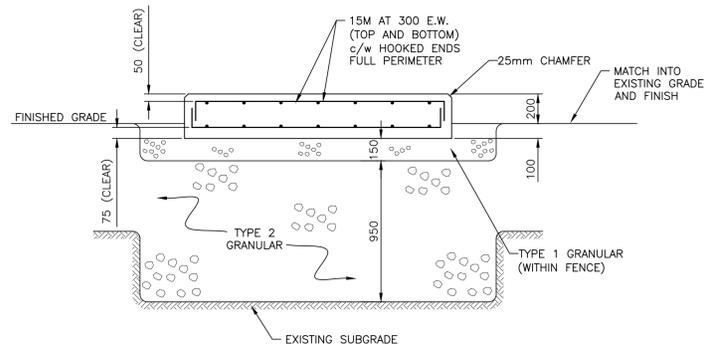
S1



**GENERATOR FOUNDATION - GENERAL LAYOUT** 2

SCALE : 1:20  
0mm 500mm 1000mm 1500mm 2000mm 2500mm

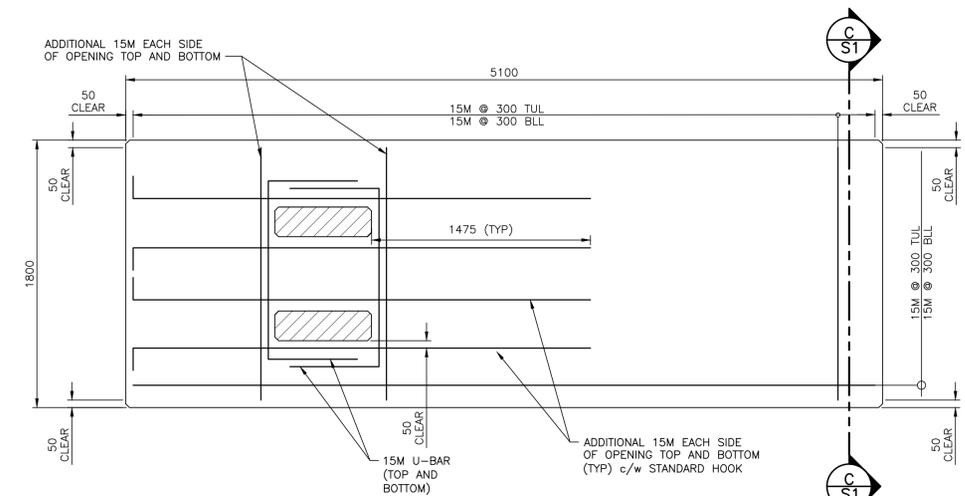
NOTE:  
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**SECTION - GENERATOR SLAB** C

SCALE : 1:20  
0mm 500mm 1000mm 1500mm 2000mm 2500mm

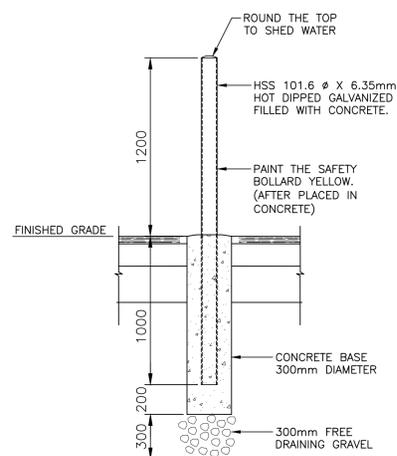
NOTE:  
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**GENERATOR FOUNDATION - REINFORCEMENT LAYOUT** 3

SCALE : 1:20  
0mm 500mm 1000mm 1500mm 2000mm 2500mm

NOTE:  
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**DETAIL - PROTECTION BOLLARD** 4

SCALE : N.T.S.

NOTE:  
ALL DIMENSIONS ARE IN MILLIMETERS