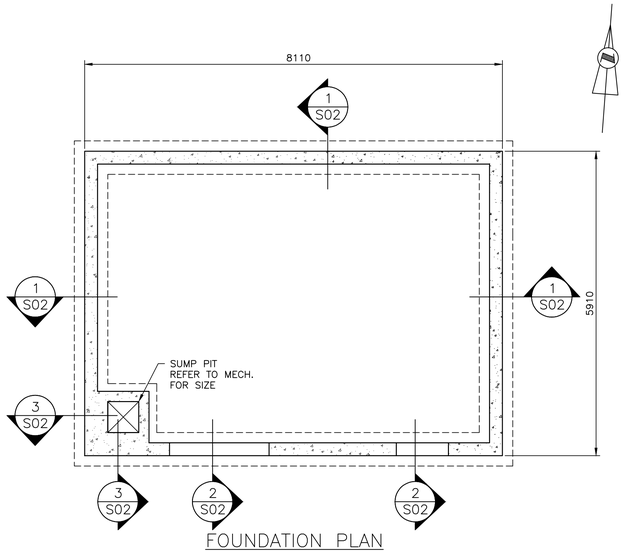
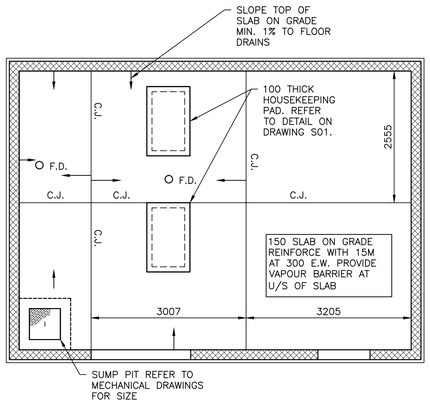


FOUNDATION PLAN

SCALE: 1:50

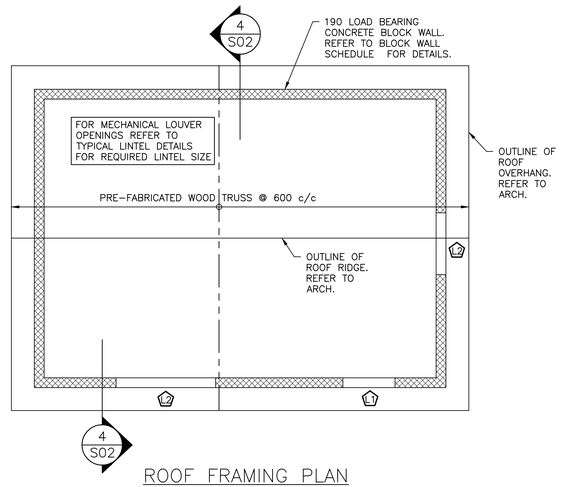
0m 1m 2m 3m 4m 5m



SLAB ON GRADE PLAN

SCALE: 1:50

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



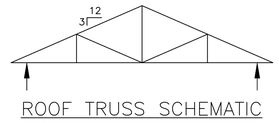
ROOF FRAMING PLAN

SCALE: 1:50

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

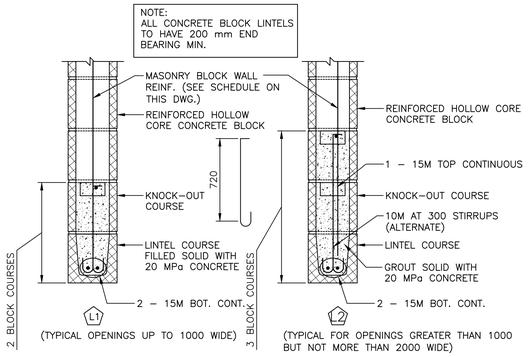
GENERAL NOTES:

1. ALL WORK AND MATERIALS TO CONFORM TO THE REQUIREMENTS OF THE NATIONAL BUILDING CODE OF CANADA, 2010 EDITION.
2. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE NOVA SCOTIA OCCUPATIONAL HEALTH AND SAFETY ACT.
3. USE OF THESE DRAWINGS IS LIMITED TO THAT IDENTIFIED IN REVISION COLUMN. DO NOT CONSTRUCT FROM DRAWINGS UNLESS MARKED "ISSUED FOR CONSTRUCTION" IN REVISION COLUMN.
4. SECTION MARK A 2100 MEANS SECTION 'A' ON DRAWING '2100'.
5. DO NOT SCALE DRAWINGS. FOLLOW FIGURED DIMENSIONS ONLY.
6. LINEAR DIMENSIONS SHOWN ON DRAWINGS ARE IN MILLIMETERS. ELEVATIONS ARE IN METERS. ELEVATIONS INDICATED ARE REFERENCED TO GEODETIC DATUM.
7. VERIFY DIMENSIONS, ELEVATIONS AND ALIGNMENT OF NEW AND EXISTING WORK AND SUBMIT ANY INCONSISTENCIES AND ALTERATIONS TO THE WORK TO DEPARTMENTAL REPRESENTATIVE FOR REVIEW PRIOR TO COMMENCING CONSTRUCTION.
8. COORDINATE WORK ON THESE DRAWINGS WITH ARCHITECTURAL, MECHANICAL, CIVIL AND ELECTRICAL DRAWINGS AND REPORT ANY INCONSISTENCIES TO DEPARTMENTAL REPRESENTATIVE PRIOR TO PROCEEDING WITH THE WORK.
9. CARRYING OUT OF WORK PRIOR TO REVIEW AND ACCEPTANCE OF DETAILED SHOP DRAWINGS BY DEPARTMENTAL REPRESENTATIVE TO BE AT CONTRACTOR'S RISK.
10. CONTRACTOR TO ASSUME FULL RESPONSIBILITY OF STRUCTURES DURING ERECTION. CONTRACTOR TO PROVIDE ADEQUATE TEMPORARY BRACING SYSTEM TO MAINTAIN STRUCTURAL SAFETY, PLUMBNESS AND ALIGNMENT UNTIL COMPLETION OF WORK.
11. LOADS AND FORCES SHOWN ON DRAWINGS ARE UNFACTORED (SERVICE) UNLESS NOTED OTHERWISE.
12. DESIGN NON-STRUCTURAL COMPONENTS IN ACCORDANCE WITH CAN/CSA S832, SEISMIC RISK REDUCTION OF OPERATIONAL AND FUNCTIONAL COMPONENTS OF BUILDINGS.
13. LOCATION OF SERVICES WHERE INDICATED ARE FOR GUIDANCE ONLY. COMPLETENESS AND ACCURACY ARE NOT GUARANTEED.
14. DO NOT CUT OR DRILL ANY OPENINGS IN STRUCTURAL MEMBERS WITHOUT WRITTEN CONSENT FROM ENGINEER.
15. CONTRACTOR TO REINSTATE AREAS AFFECTED BY NEW CONSTRUCTION TO THEIR ORIGINAL CONDITION TO SATISFACTION OF ENGINEER.
16. FOUNDATION AND SLAB-ON-GRADE BEARING SURFACE SHALL BE REVIEWED BY GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE FOR FOUNDATIONS AND SLAB.
17. BUILDING FOUNDATIONS TO BE FOUNDED ON ENGINEERED FILL OR UNDISTURBED SOIL WITH THE FOLLOWING BEARING CAPACITY;
    SLS: 150 KPa
    ULS: 225 KPa
18. GEOTECHNICAL PARAMETERS
    a. DEPTH OF FROST PENETRATION: 1.2 m
    b. ALLOWABLE SETTLEMENT UNDER SLS: 25 mm



ROOF TRUSS SCHEMATIC

N.T.S.



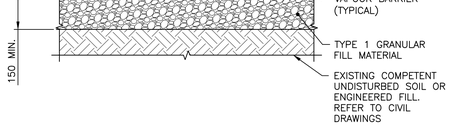
TYPICAL LINTEL DETAILS

SCALE: N.T.S.

MASONRY BLOCK WALL REINFORCING SCHEDULE	
VERTICAL REINFORCING	15M AT 400 IN GROUTED CORES FULL HEIGHT. ADDITIONAL BARS AS PER NOTE #1
HORIZONTAL REINFORCING	HEAVY DUTY LADDER TYPE (4.8 mm DIA. SIDE RODS, 3.6 mm DIA. CROSS RODS) SPACE AT 400 MAX. PLUS EACH INTERNAL COURSE OF LINTELS AND BOND BEAMS.
BOND BEAM	2-COURSE BOND BEAM AT TOP SUPPORT. SEE TYPICAL DETAILS.

NOTES:

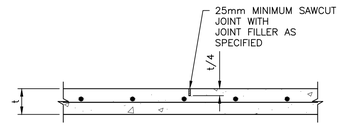
1. - PROVIDE 2-20M VERTICAL ON ALL SIDES OF AND ADJACENT TO EVERY OPENING EXCEEDING 500 mm IN WIDTH. EXTEND FULL HEIGHT.
   - PROVIDE 1-20M VERTICAL IN ALL CORNERS, INTERSECTIONS, AND ENDS OF MASONRY WALLS.
   - PROVIDE 1-20M VERTICAL ON EACH SIDE OF CONTROL JOINTS.
2. ALL REINFORCING BARS TO BE GROUTED IN SOLID CORES WITH 20MPa CONCRETE.
3. BLOCK WALL CORNER AND "T" INTERSECTIONS SHALL BE CONNECTED WITH TRUE MASONRY BOND SO THAT HALF OF THE UNITS OF EACH WALL ARE EMBEDDED IN THE OTHER WALL.



TYPICAL DETAIL FOR SLAB ON GRADE WITH REINFORCING

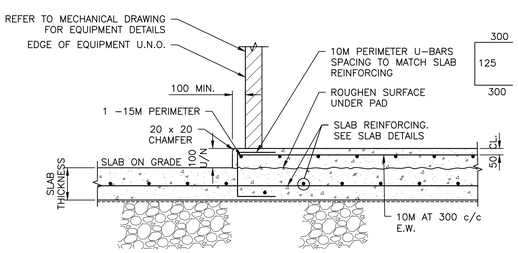
SCALE : 1:10

0mm 100 200 300 400 500 600 700 800 900 1000mm



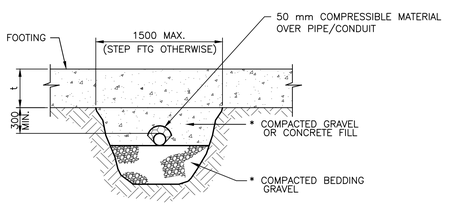
TYPICAL SAWCUT CONTROL JOINT

N.T.S.



TYPICAL HOUSEKEEPING PAD ON SLAB OVER GRADE DETAIL

N.T.S.

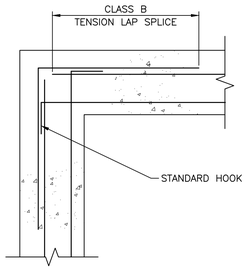


NOTE: DO NOT LOCATE PIPE JOINTS BENEATH FOOTING

* COORDINATE DIMENSIONS AND COMPACTION REQUIREMENTS WITH CIVIL

TYPICAL PIPE/CONDUIT TRENCH UNDER FOOTING

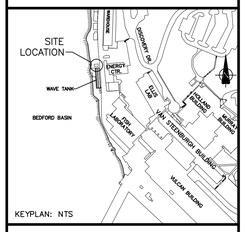
N.T.S.



TYPICAL FOUNDATION WALL CORNER (PLAN) U.N.O.

N.T.S.

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada



SNC·LAVALIN

SNC·LAVALIN Inc.
Halifax, Nova Scotia, Canada
Member of the SNC·LAVALIN Group

Certified ISO 9001

PROFESSIONAL ENGINEER PROVINCE OF NOVA SCOTIA
DEC 5 DATE 2014
J. Ross
10584

revisions		date
C01	ISSUED FOR TENDER	DEC 05 2014

project / projet

BEDFORD INSTITUTE OF TECHNOLOGY
WAVE TANK
SALT WATER / FRESH WATER SUPPLY

drawing / dessin

PLANS
NOTES
TYPICAL DETAILS

designed JR / conçu
date 2014/10/15
drawn JR / dessiné
date 2014/10/15
approved / approuvé
date
Tender / Soumission
ALLAN MCNEILL
PWGSC Project Manager / Administrateur de projets TPSGC
project number / no. du projet
R.070629.001
drawing no. / no. du dessin
S01

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PWGSC B1 (2004)

E-DRM/GDD-E: 502493

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