

Public Works and
Infrastructure Services
Canada

Trouver l'adresse et
les services
Canada



PROFESSIONAL ENGINEER
L.F. M. BENNETT
No. 10000
NEW BRUNSWICK

PROVINCE OF NEWBRUNSWICK AND LABRADOR
PERMIT HOLDER
This Permit Allows
Meridian Engineering Inc.
To Carry Out Engineering Work
In New Brunswick and Labrador.
Permit No. as issued by PSP 200808.
Issued in Accordance With Part 2200.001.

D	RE-ISSUED FOR TENDER	10/02/20
C	ISSUED FOR TENDER	10/02/20
B	ISSUED FOR 95% REVIEW	10/02/20
A	ISSUED FOR 50% REVIEW	10/07/20

**WHARF
CONSTRUCTION
ST. LUNAIRE, NL**

designed L. BENNETT
date JANUARY 2010
drawn C. HOBBS
date JANUARY 2010
checked
approved

Project number: R.076000.001
no. of sheets: C8 OF 13

- NOTES:**
- ALL DIMENSIONS IN MILLIMETERS.
 - ALL ELEVATIONS IN METERS.
 - DO NOT SCALE FROM DRAWINGS, USE DIMENSIONS SPECIFIED.
 - MINIMUM CONCRETE STRENGTH 35 MPa @ 28 DAYS.
 - REINFORCING STEEL YIELD STRENGTH 400 MPa.
 - REINFORCING STEEL SPLICES SHALL CONFORM TO A23.3, LATEST EDITION, AND AS INDICATED BELOW:
 - A) STEEL SPLICES SHALL BE GALVANIZED UNLESS OTHERWISE NOTED.
 - 20M = 700 mm LAP
 - 15M = 500 mm LAP
 - B) ALL CHAIRS SHALL BE GALVANIZED UNLESS OTHERWISE NOTED.
 - 20M = 850 mm LAP
 - 15M = 650 mm LAP
 - ALL REBAR TO HAVE MIN. COVER OF 75mm UNLESS OTHERWISE NOTED.
 - ALL MACHINE BOLTS 19mm DIAMETER (GALVANIZED).
 - ALL DRIFT BOLTS TO BE 19mm DIAMETER (GALVANIZED) UNLESS OTHERWISE NOTED.
 - ALL TIMBER TO BE TREATED TO CSA 080 LATEST EDITION UNLESS OTHERWISE NOTED.
 - REINFORCED CONCRETE DECK IS DESIGNED IN ACCORDANCE WITH THE CANADIAN HIGHWAY BRIDGE DESIGN CODE, 2006 EDITION, AND BASED ON THE QL-625 TRUCK AND ASSOCIATED DYNAMIC LOAD ALLOWANCE AND LANE LOAD.
 - GALVANIZING WILL CONFORM TO ASTM A123/A123M-09 LATEST EDITION.
 - ALL LAG SCREWS TO BE GALVANIZED AND SIZED AS PER FOLLOWING:
 - LADDER UPRIGHTS - 19.0 mm
 - FENCING - 16 mm
 - CONTRACTOR TO EXCAVATE IN SUCH A MANNER AS TO ENSURE STABILITY OF SLOPES PRIOR TO AND DURING CRIB CONSTRUCTION.
 - ALL DREDGING AND EXCAVATION PAY LIMITS TO BE 1.5 HORIZONTAL TO 1 VERTICAL (1:1.5), EXCEPT IN ROCK, WHICH IS TO BE 1 HORIZONTAL TO 4 VERTICAL (1:4).
 - LOCATION OF CLEATS, HARSD POLES, ELECTRICAL PEDESTALS AND LADDERS ARE TO BE CONSIDERED APPROXIMATE. CONFIRM ACTUAL LOCATION IN THE FIELD WITH DEPARTMENTAL REPRESENTATIVE.
 - DURING EXCAVATION/DREDGING, THE CONTRACTOR IS TO TAKE MEASURES TO PREVENT UNDERMINING OF EXISTING CRIBS ADJACENT TO NEW WORK.
 - THE TRANSITION INDICATED BETWEEN THE BEDROCK LAYER AND OTHER MATERIALS ARE TO BE CONSIDERED APPROXIMATE ONLY AND SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR. THE EXACT THICKNESS OF THE OVERBURDEN LAYER AND THE EXACT DEPTH TO THE BEDROCK LAYER SHALL BE CONFIRMED BY THE CONTRACTOR. WHERE THE PROFILE IS UNKNOWN, FOR THESE REASONS THE CONTRACTOR SHALL PREPARE THE CRIB SEAT TO THE FOLLOWING REQUIREMENTS:
 - (A) IN AREAS WHERE THE EXISTING SEA BOTTOM ELEVATIONS ARE ONE (1) METER OR MORE BELOW THE DESIGNATED CRIB SEAT ELEVATION, THE CONTRACTOR SHALL DREDGE TO THE DESIGNATED CRIB SEAT ELEVATION. ALL EXPOSED BEDROCK SURFACE SHALL BE CLEANED AND ALL MATERIALS OR DEBRIS SHALL BE REMOVED OR DIRECTLY ONTO AN EXPOSED BEDROCK SURFACE. ALL WORK TO BE COMPLETED TO APPROVAL OF DEPARTMENTAL REPRESENTATIVE.
 - (B) IN AREAS WHERE THE EXISTING SEA BOTTOM IS ABOVE OR AT THE DESIGNATED CRIB SEAT ELEVATION THE CONTRACTOR SHALL DO ONE (1) OF THE FOLLOWING DEPENDING ON THE ACTUAL CONDITIONS. ALL WORK TO BE COMPLETED TO APPROVAL OF THE DEPARTMENTAL REPRESENTATIVE.
 - (i) IN OVERBURDEN MATERIAL, DREDGE TO ONE (1) METERS BELOW THE DESIGNATED CRIB SEAT ELEVATION AND PLACE ROCK MATTRESS BY LATERALLY DISPLACING ANY UNDERLYING LOOSE AND SOFT MATERIAL.
 - (ii) WITH AN EXPOSED BEDROCK SURFACE, DREDGE BEDROCK TO WITHIN A +/- 200MM TOLERANCE OF THE DESIGNATED CRIB SEAT ELEVATION AND SCOUR CRIB TO THIS SURFACE.
 - (C) IN AREAS WHERE THE EXISTING SEA BOTTOM ELEVATION IS LESS THAN ONE (1) METER BELOW THE DESIGNATED CRIB SEAT ELEVATION THE CONTRACTOR SHALL DREDGE THE OVERBURDEN MATERIAL (EXCEPT BEDROCK) TO ACCOMMODATE THE MINIMUM ONE (1) METER ROCK MATTRESS THICKNESS AND LATERALLY DISPLACE ANY UNDERLYING SOFT AND LOOSE MATERIALS. ALL WORK TO BE COMPLETED TO APPROVAL OF DEPARTMENTAL REPRESENTATIVE.

