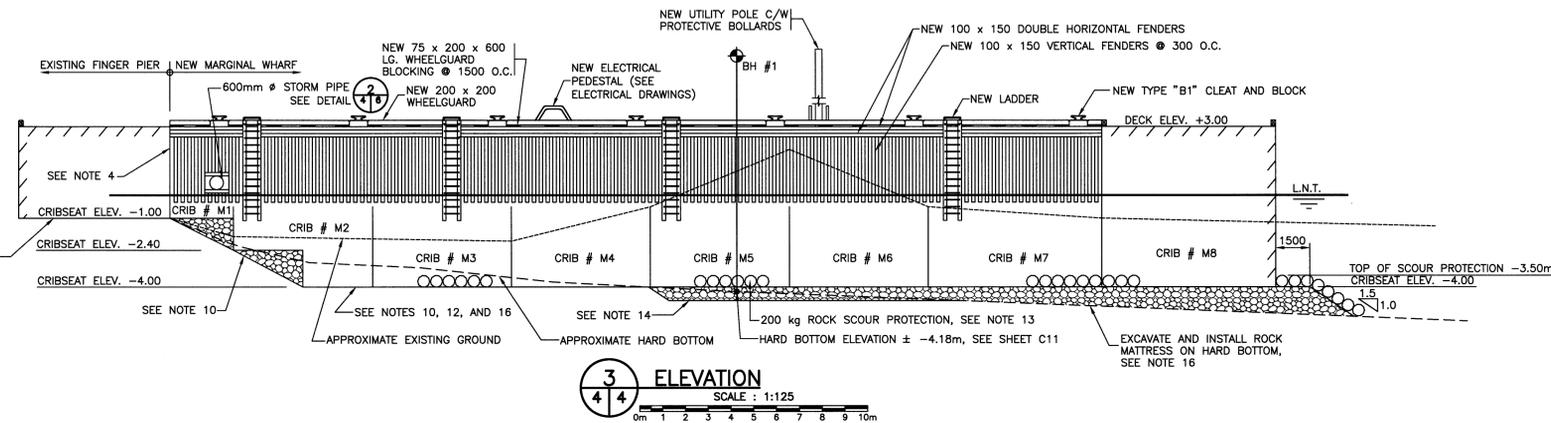
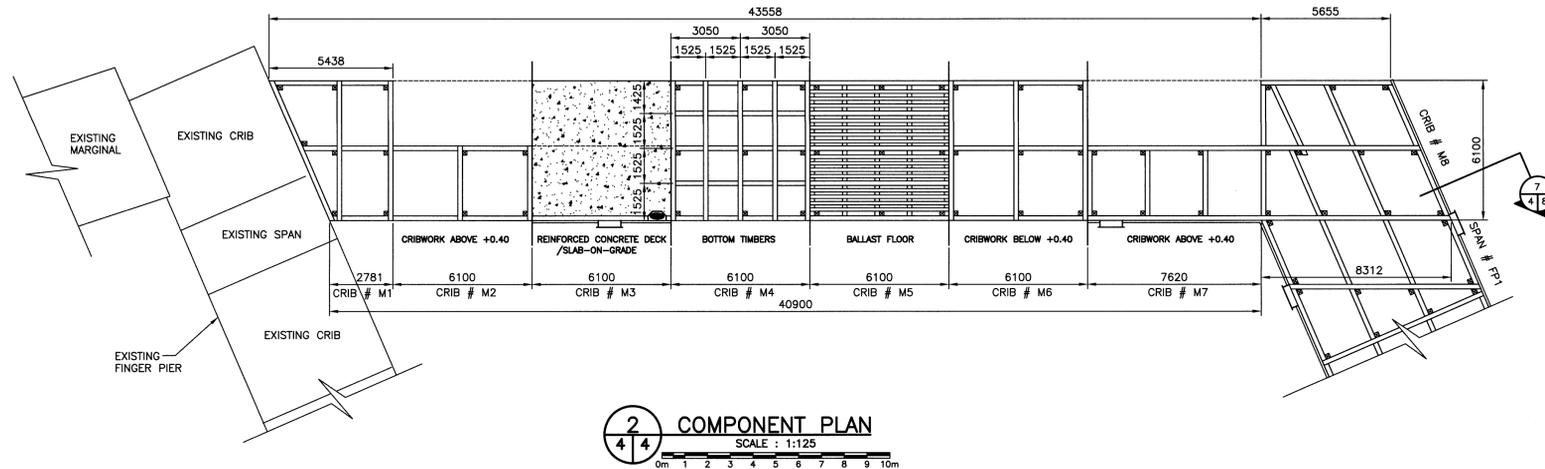
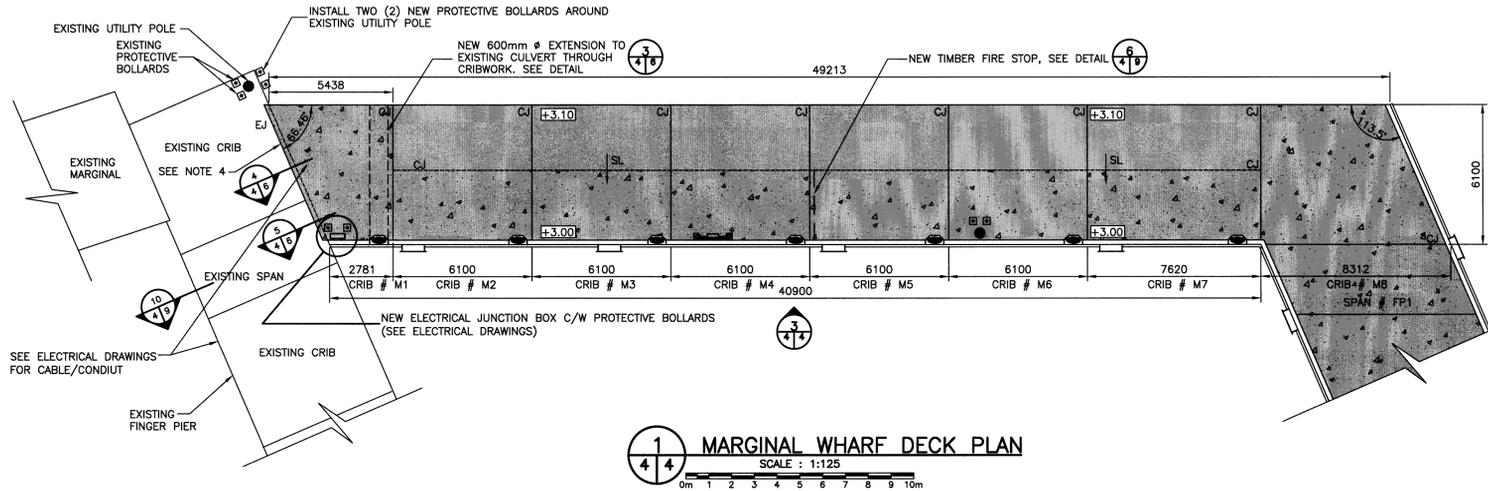


**GENERAL NOTES:**

- ALL DIMENSIONS IN MILLIMETERS UNLESS SPECIFIED OTHERWISE.
- ALL ELEVATIONS IN METERS.
- DO NOT SCALE FROM DRAWING, USE DIMENSIONS AS SHOWN.
- NO GAP TO EXIST BETWEEN NEW AND EXISTING CRIBWORK. CONTRACTOR TO PROVIDE BLOCKING/SHEETING TO SEAL ANY GAP, UPON NEW CRIB PLACEMENT, TO APPROVAL OF DEPARTMENTAL REPRESENTATIVE.
- LOCATION OF LADDERS AND CLEATS AS SHOWN ARE CONSIDERED APPROXIMATE. CONTRACTOR TO COORDINATE ACTUAL PLACEMENT WITH DEPARTMENTAL REPRESENTATIVE.
- CONTRACTOR SHALL COORDINATE LOCATION OF CONTROL JOINTS WITH DEPARTMENTAL REPRESENTATIVE IN THE FIELD.
- SPACING BETWEEN LADDERS SHALL IN NO CASE EXCEED 12.2m O.C.
- DURING EXCAVATION, CONTRACTOR TO TAKE MEASURES TO PREVENT UNDERMINING OF EXISTING ADJACENT STRUCTURES AND WHEN PLACING NEW ROCK MATTRESS AND CRIBWORK, THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROTECTION OF THE ADJACENT STRUCTURES, AND SHALL DETERMINE WHAT MEASURES NEED TO BE TAKEN DURING CONSTRUCTION ACTIVITIES TO PREVENT UNDERMINING AND KICK-OUT OF ANY EXISTING SITE FEATURES.
- IF GEOTECHNICAL CONDITIONS DIFFER FROM THOSE INDICATED ADVISE DEPARTMENTAL REPRESENTATIVE.
- CONTRACTOR IS TO EXCAVATE IN SUCH A MANNER AS TO ENSURE STABILITY OF SLOPES PRIOR TO AND DURING CRIB CONSTRUCTION. CONSTRUCTION OPERATIONS, INCLUDING STORAGE OF MATERIALS, FOR THIS CONTRACT SHALL NOT INTERFERE WITH FISHING ACTIVITY AND/OR OPERATIONS AT THIS HARBOUR FACILITY. THE CONTRACTOR SHALL COORDINATE WORK AS NECESSARY.
- IN AREAS WHERE THE HARD BOTTOM ELEVATION IS HIGHER THAN -4.0m, CONTRACTOR SHALL EXCAVATE TO ESTABLISH A FLAT SURFACE AND INSTALL CRIBS ON HARD BOTTOM TO THE ELEVATION INDICATED. SCRIBE CRIBS TO A PREPARED FLAT BOTTOM IF NECESSARY TO ENSURE FULL SUPPORT IS PROVIDED UNDER THE BEARING TIMBERS. IF GEOTECHNICAL CONDITIONS DIFFER FROM THOSE INDICATED, ADVISE DEPARTMENTAL REPRESENTATIVE IMMEDIATELY.
- ROCK SCOUR PROTECTION TO EXTEND A MAXIMUM OF 0.5m ABOVE CRIBSEAT ELEVATION.
- ROCK MATTRESS SHALL NOT BE LESS THAN 600mm THICK IN ANY LOCATION. CONTRACTOR TO EXCAVATE AS REQUIRED.
- CRIB NUMBERS M1 AND M8 ARE FULL HEIGHT CRIBWORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PLACE ROCK MATTRESS/CRIBWORK ON HARD BOTTOM. THE CONTRACTOR SHALL DEMONSTRATE THROUGH THE USE OF EXCAVATION/DREDGING EQUIPMENT OR OTHER MEANS, THAT SUFFICIENT MATERIAL HAS BEEN REMOVED TO ENSURE ROCK MATTRESS/CRIBWORK WILL COME TO REST ON HARD BOTTOM. ONCE THE CONTRACTOR HAS DETERMINED THAT HARD BOTTOM HAS BEEN ACHIEVED THROUGH EXCAVATION/DREDGING EQUIPMENT, THE CONTRACTOR SHALL THOROUGHLY PROBE THE AREA IN A MINIMUM 1.0m X 1.0m GRID TO CONFIRM THAT ALL LOOSE AND SOFT UNSOUND SOILS HAVE BEEN REMOVED TO HARD BOTTOM. ALL PROBING ACTIVITIES TO BE COMPLETED BY DIVERS USING A 15mm Ø X 2000mm STEEL ROD DRIVEN WITH A 2.5kg HAMMER. UNLESS OTHERWISE DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE, HARD BOTTOM IS ACHIEVED WHEN THE PROBE CANNOT PENETRATE MORE THAN 400mm INTO THE UNDERLYING SOILS, WITHIN THE FOOTPRINT OF THE AREA TO RECEIVE ROCK MATTRESS/CRIBWORK. ALL WORK TO BE OVERSEEN BY THE ONSITE INSPECTOR. IF THE PROBE PENETRATIONS EXCEED 400mm, THEN THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTINUE EXCAVATING/DREDGING TO A DEPTH WHICH HARD BOTTOM IS REACHED AND RE-PROBE TO ACHIEVE THE REQUIREMENTS NOTED ABOVE. THE CONTRACTOR AND THE DEPARTMENTAL REPRESENTATIVE SHALL AGREE ON SITE AS TO WHEN THE DEPTHS REQUIRED TO REACH HARD BOTTOM ARE MET. THE SUPPORTING CROSSIE TIMBERS FOR THE STRUCTURAL DECK IN CRIB CONSTRUCTION SHALL NOT EXCEED A SPACING OF 3050mm.



- LEGEND**
- NEW LADDER. SEE DETAIL.
  - NEW TYPE "B1" CLEAT AND BLOCK, SEE DETAILS.
  - NEW REINFORCED CONCRETE DECK, SEE DETAIL.
  - NEW REINFORCED CONCRETE SLAB-ON-GRADE. SEE DETAIL.
  - NEW CONTROL JOINT, SEE DETAIL.
  - NEW EXPANSION JOINT, SEE DETAIL.
  - NEW FINISH GRADE.
  - NEW UTILITY POLE C/W PROTECTIVE BOLLARDS, SEE DETAILS.
  - APPROXIMATE GRADE SLOPE DIRECTION.
  - NEW ELECTRICAL PEDESTAL.
  - CRIB FP# FINGER PIER CRIB NUMBER
  - SPAN FP# FINGER PIER SPAN NUMBER
  - CRIB M# MARGINAL CRIB NUMBER

**SMALL CRAFT HARBOURS**



PROVINCE OF NEWFOUNDLAND AND LABRADOR  
PERMIT HOLDER  
This Permit Allows  
**Meridian Engineering Inc.**  
Member No. 04378  
To practice Professional Engineering  
in Newfoundland and Labrador.  
Permit No. as issued by PEG 201453  
which is valid for the year 2016.



E	ISSUED FOR TENDER	16/09/21
D	ISSUED FOR FINAL REVIEW	16/09/13
C	ISSUED FOR 99% REVIEW	16/08/08
B	ISSUED FOR 66% REVIEW	16/06/18
A	ISSUED FOR 33% REVIEW	16/04/14
revisions	date	
project	project	

**WHARF CONSTRUCTION FERMEUSE, NL**

**NEW MARGINAL WHARF PLANS AND ELEVATIONS**

designed C. FISHER concu  
date APRIL, 2016  
drawn R. SNOW desine  
date APRIL, 2016  
approved approve  
Tender *Ron Snow* Soumission  
DFD Project Manager Administrateur de projets MPO  
project number 721920 no. du projet  
drawing no. C4 OF 11 no. du dessin