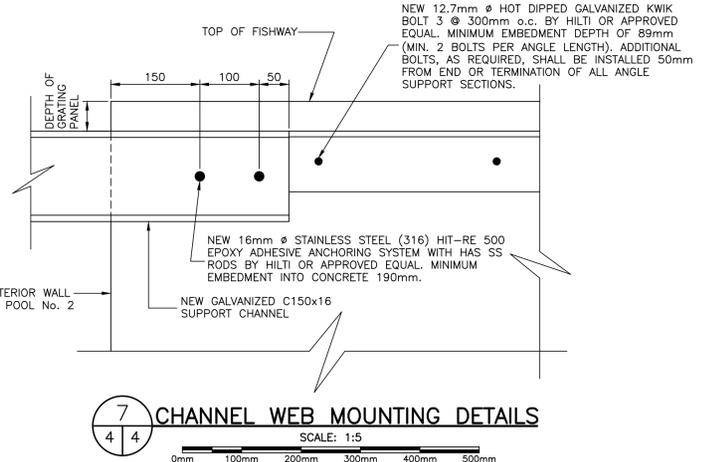
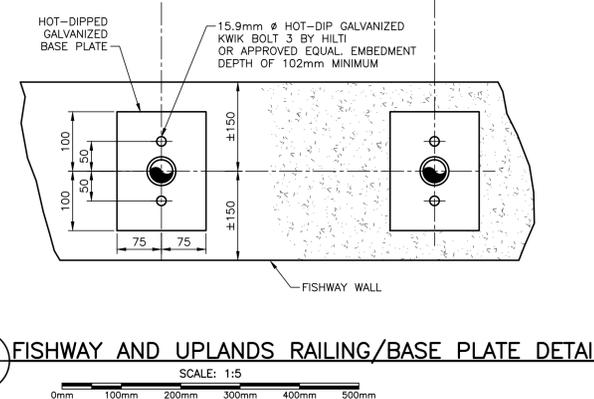
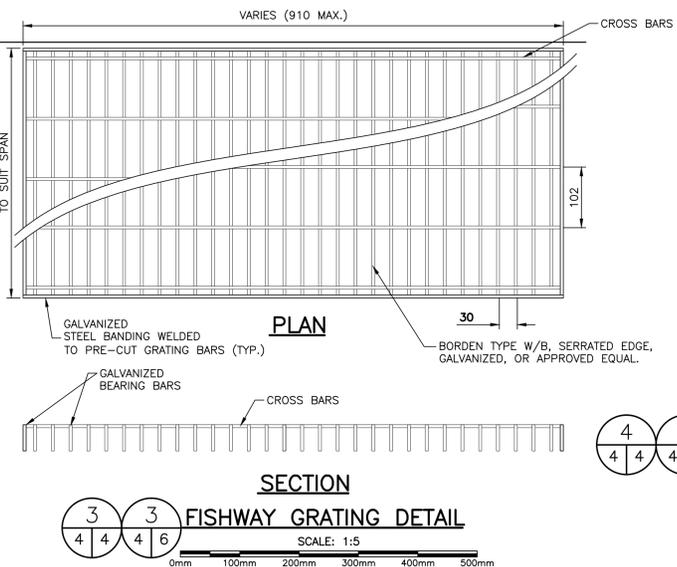
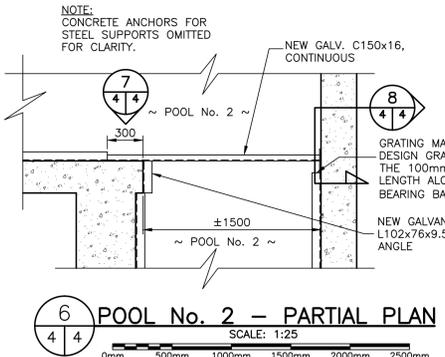
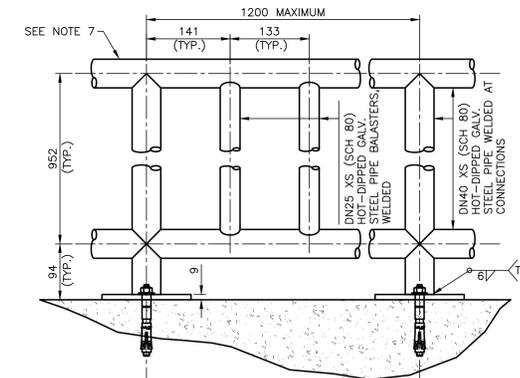
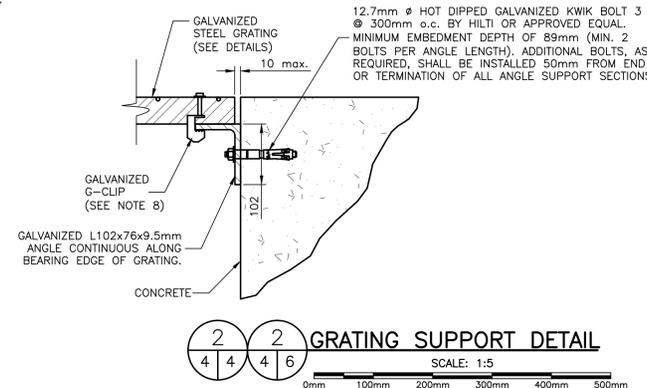
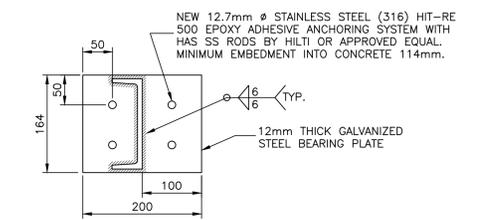
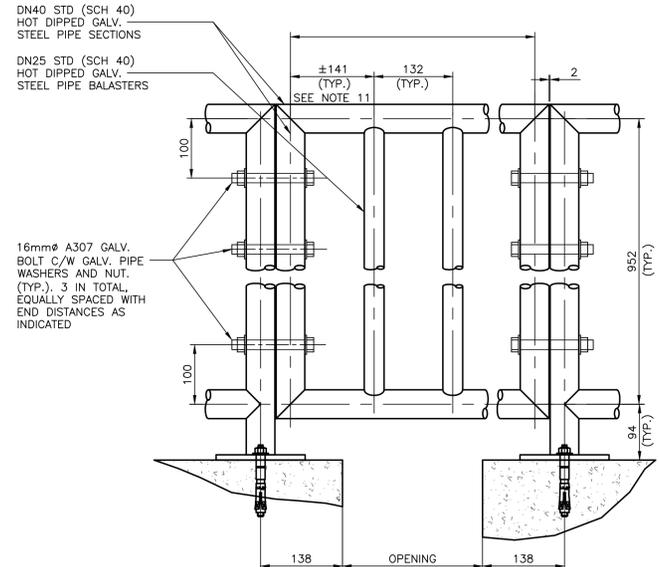


GRATING SCHEDULE			
POOL #	TYPE	DESCRIPTION	DETAILS
1-5	1	BORDEN TYPE W/B, SERRATED EDGE, SIZE NO.11, 30mm CTRS, BEARING BAR SIZE 57x5, GALVANIZED, OR APPROVED EQUAL.	<ul style="list-style-type: none"> MAXIMUM CLEAR SPAN = 1.83m SAFE UNIFORM LOAD = 25.5 KPa SAFE CONC. LOAD = 7 kN MAX. UNIFORM LOAD DEFLECTION = 7.6mm MAX. CONC. DEFLECTION LOAD = 6mm (LOADS AND DEFLECTIONS ABOVE BASED ON NON-SERRATED EDGES)
6	2	BORDEN TYPE W/B, SERRATED EDGE, SIZE NO.12, 30mm CTRS, BEARING BAR SIZE 63.5x5, GALVANIZED, OR APPROVED EQUAL.	<ul style="list-style-type: none"> MAXIMUM CLEAR SPAN = 2.13m SAFE UNIFORM LOAD = 23 KPa SAFE CONC. LOAD = 7.5 kN MAX. UNIFORM LOAD DEFLECTION = 9.3mm MAX. CONC. DEFLECTION LOAD = 7.4mm (LOADS AND DEFLECTIONS ABOVE BASED ON NON-SERRATED EDGES)



- NOTES:**
- DO NOT SCALE FROM DRAWINGS.
 - ALL DIMENSIONS SHOWN ON DRAWINGS ARE IN MILLIMETERS. ALL ELEVATIONS AND STATIONS ARE IN METERS UNLESS NOTED OTHERWISE.
 - ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH CAN/CSA S16-09. SHOP AND FIELD FABRICATION TOLERANCE TO CAN/CSA S16-09 AND G40.20-04.
 - ALL WELDING SHALL BE CARRIED OUT IN ACCORDANCE WITH CAN/CSA W59-03 BY A FABRICATOR FULLY APPROVED UNDER CAN/CSA W47.103 (R2008) DIVISION NO.1 OR NO.2.
 - DO NOT WELD TO EXISTING STEEL UNLESS NOTED ON DRAWINGS. OBTAIN APPROVAL FROM ENGINEER PRIOR TO WELDING TO EXISTING STEEL NOT SHOWN ON DRAWINGS.
 - ALL WELDING SHALL BE MIN. 6mm ALL AROUND UNLESS NOTED.
 - FABRICATED RAILING SHALL BE HOT-DIPPED GALVANIZED AS PER SPECIFICATIONS.
 - G-CLIP FASTENINGS TO BE INSTALLED AT START AND END OF EACH GRATING PANEL AND INSTALLED AT 450mm O.C. AT INTERMEDIATE LOCATIONS. ALL FIELD WORK TO BE RE-GALVANIZED ON SITE.
 - MEASUREMENTS SHOWN ARE TO BE CONSIDERED APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD PRIOR TO ORDERING AND FABRICATION OF ALL NEW GRATING AND RAILING SECTIONS.
 - ANGLE BASE PLATE OF RAILING AS REQUIRED TO SUIT PROFILE OF CONCRETE WALL. BASE PLATES SHALL SIT FLUSH AND FULLY BEAR ON CONCRETE SURFACE.
 - PROVIDE SUFFICIENT SPACE BETWEEN BALUSTER AND VERTICAL POST TO REMOVE GALVANIZED BOLTS.
 - PROVIDE ISOLATION BETWEEN DISSIMILAR METALS AS APPROVED BY THE DEPARTMENTAL REPRESENTATIVE.

PROVINCE OF NEWFOUNDLAND AND LABRADOR
PERMIT HOLDER
This Permit Allows
Meridian Engineering Inc.
To practice Professional Engineering in Newfoundland and Labrador.
Permit No. as issued by PEG No. 0453 which is valid for the year 2015.

REGISTERED PROFESSIONAL ENGINEER
PEG
LEE M. BENNETT
15/10/22
NEWFOUNDLAND & LABRADOR

revisions	date
C	ISSUED FOR TENDER 15/10/22
B	ISSUED FOR 99% REVIEW 15/10/22
A	ISSUED FOR 66% REVIEW 15/08/22

BISHOP'S FALLS FISHWAY UPGRADES

NEW GRATING AND RAILING DETAILS

designed	L. BENNETT	conçu
date	AUG, 2015	
drawn	R. SNOW	dessiné
date	AUG, 2015	
approved	Gary MacGillivray Oct. 23, 2015	approuvé
date		
Tender		Submission
project number	R.075582.004	no. du projet
drawing no.	C04	no. du dessin