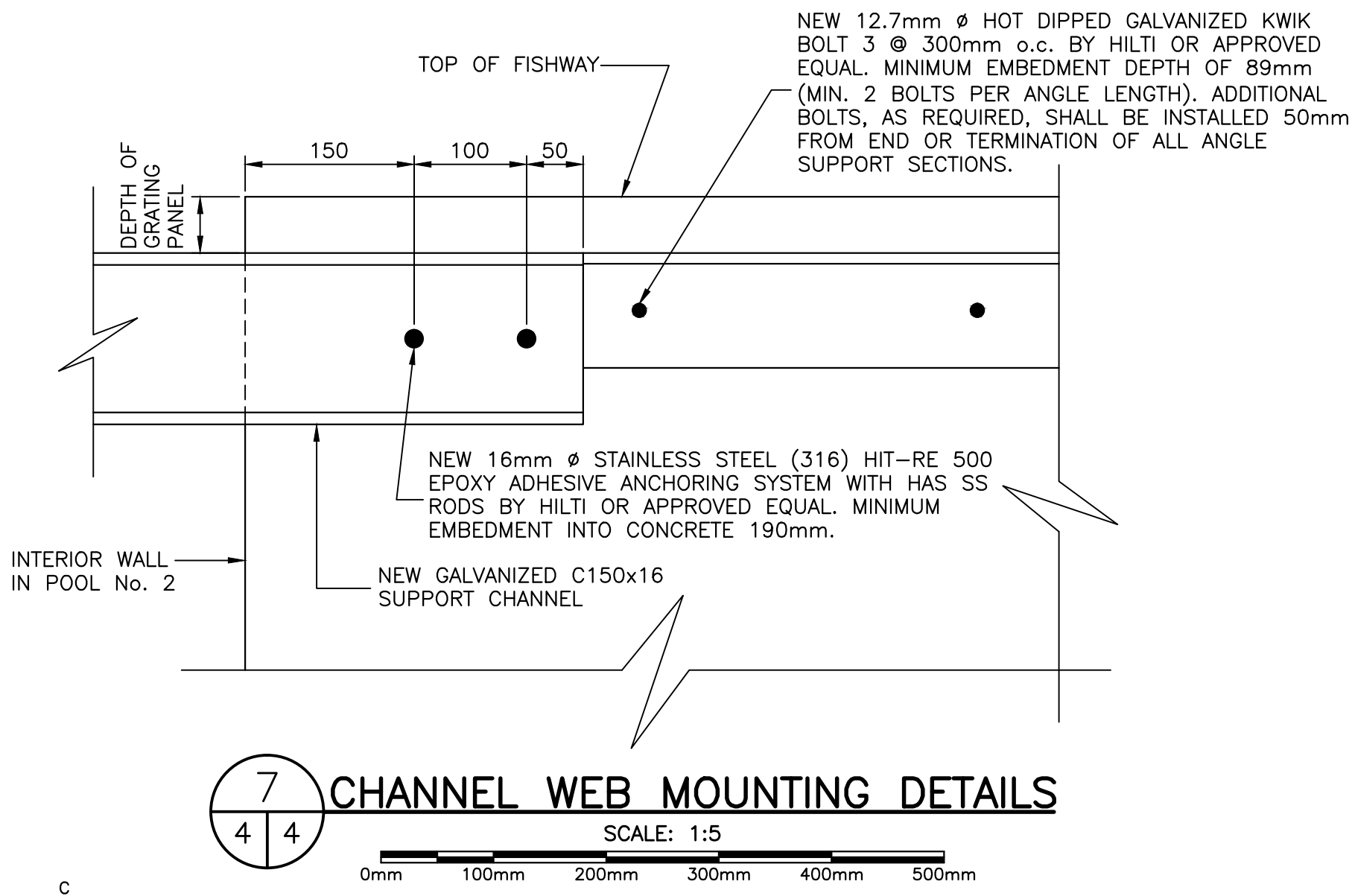
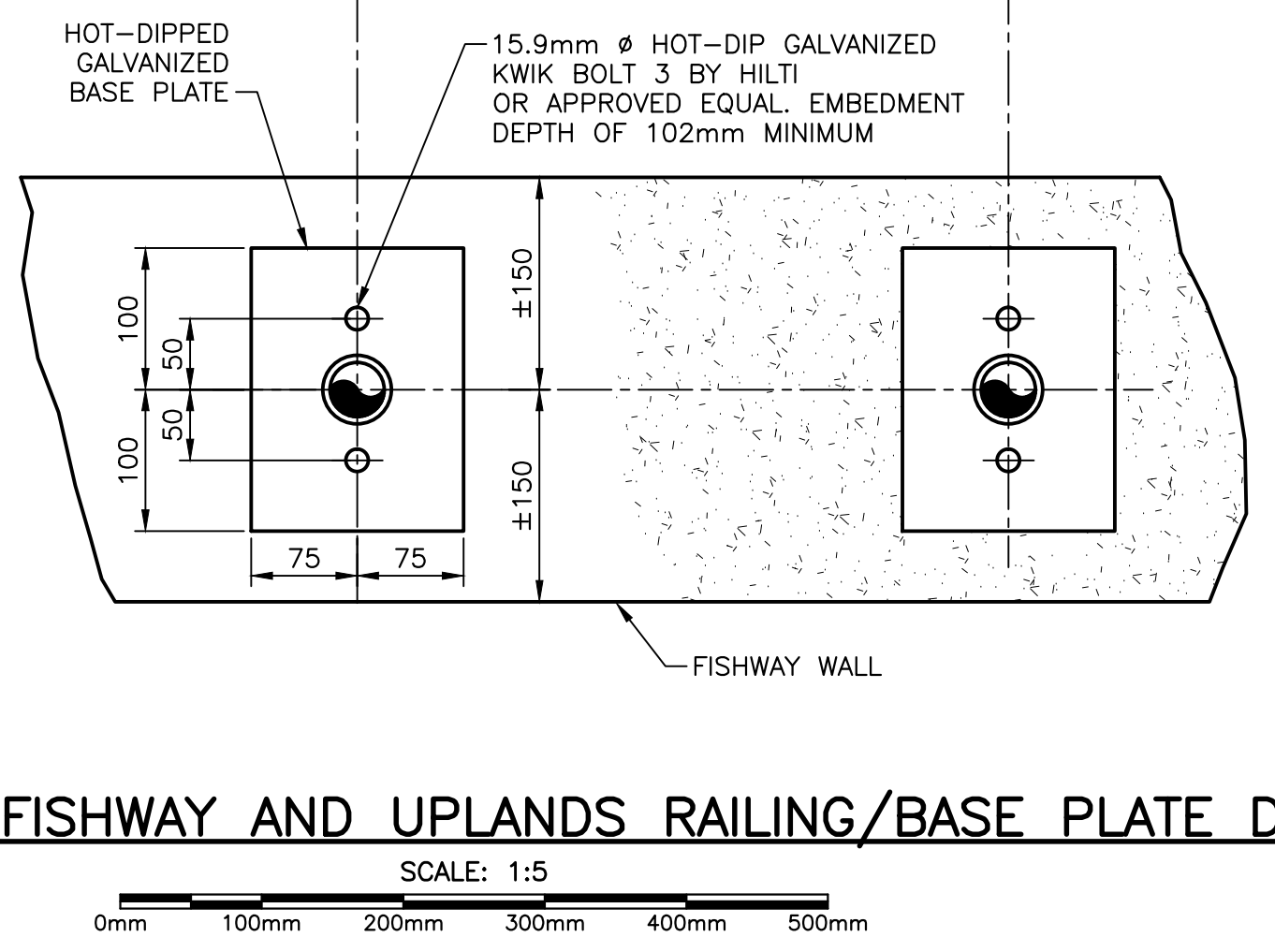
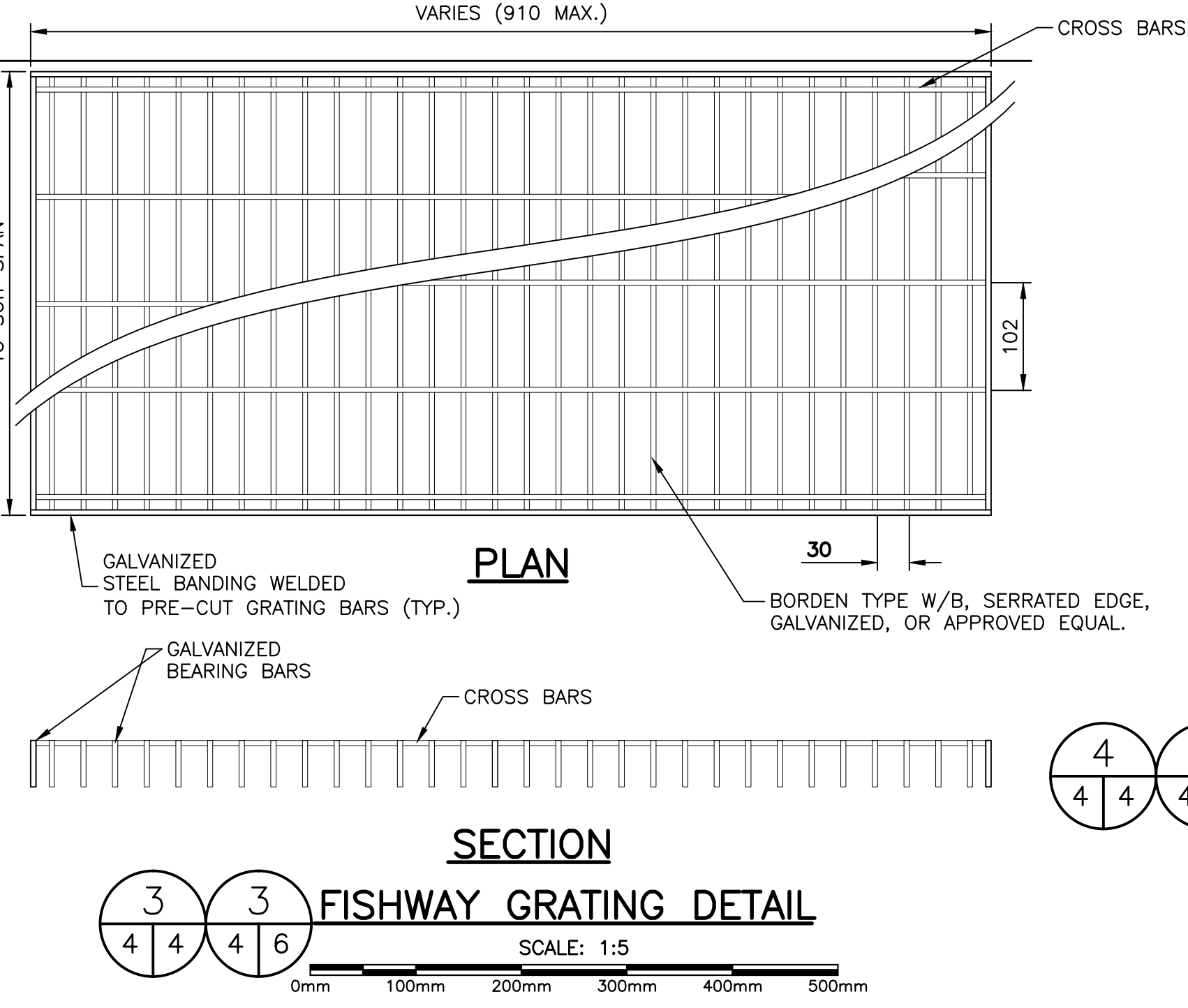
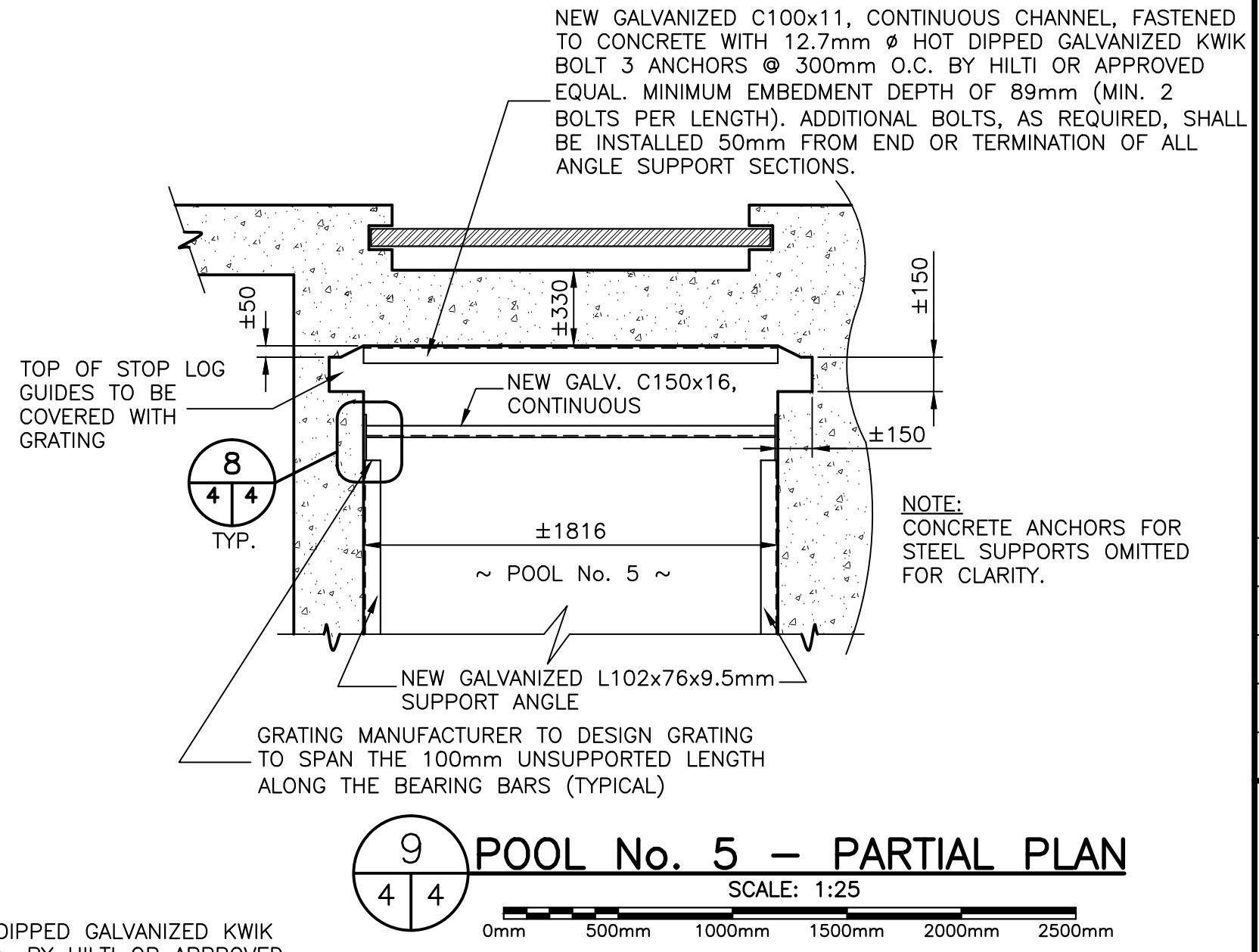
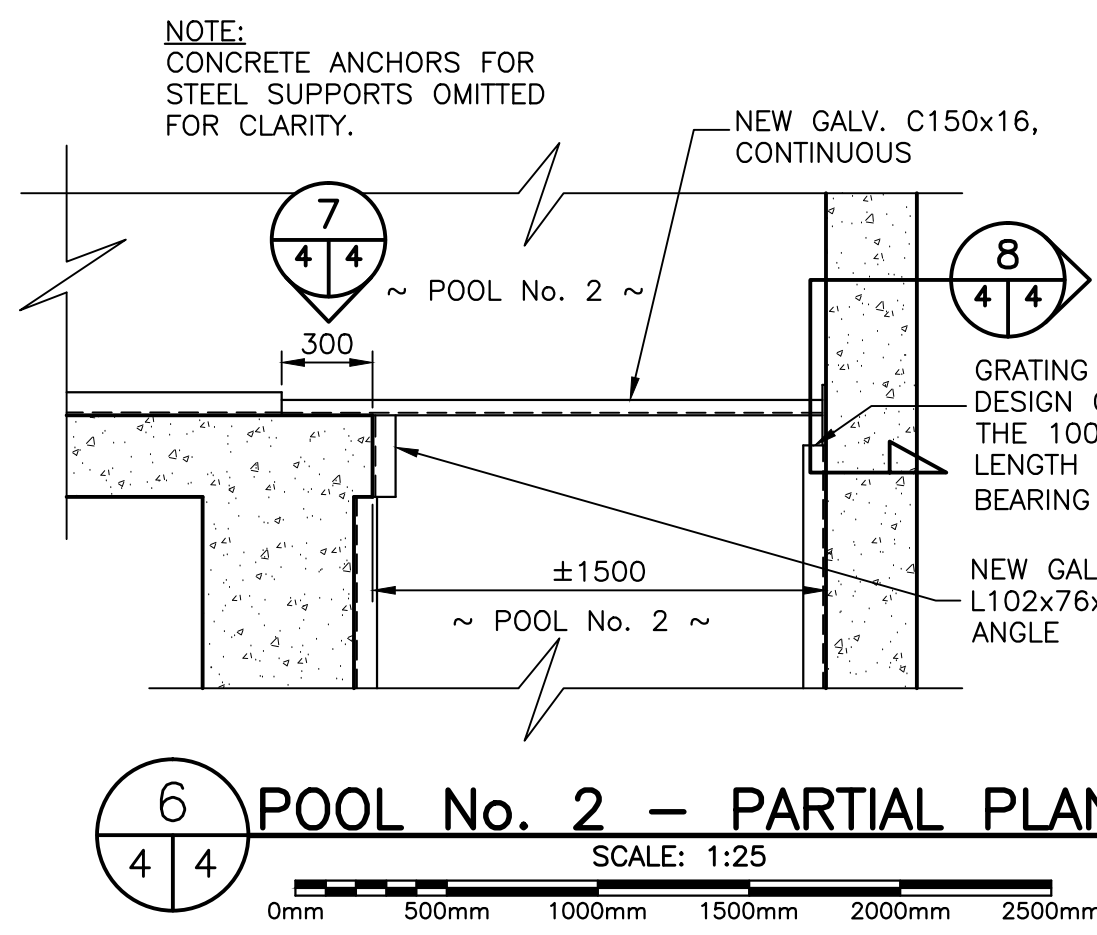
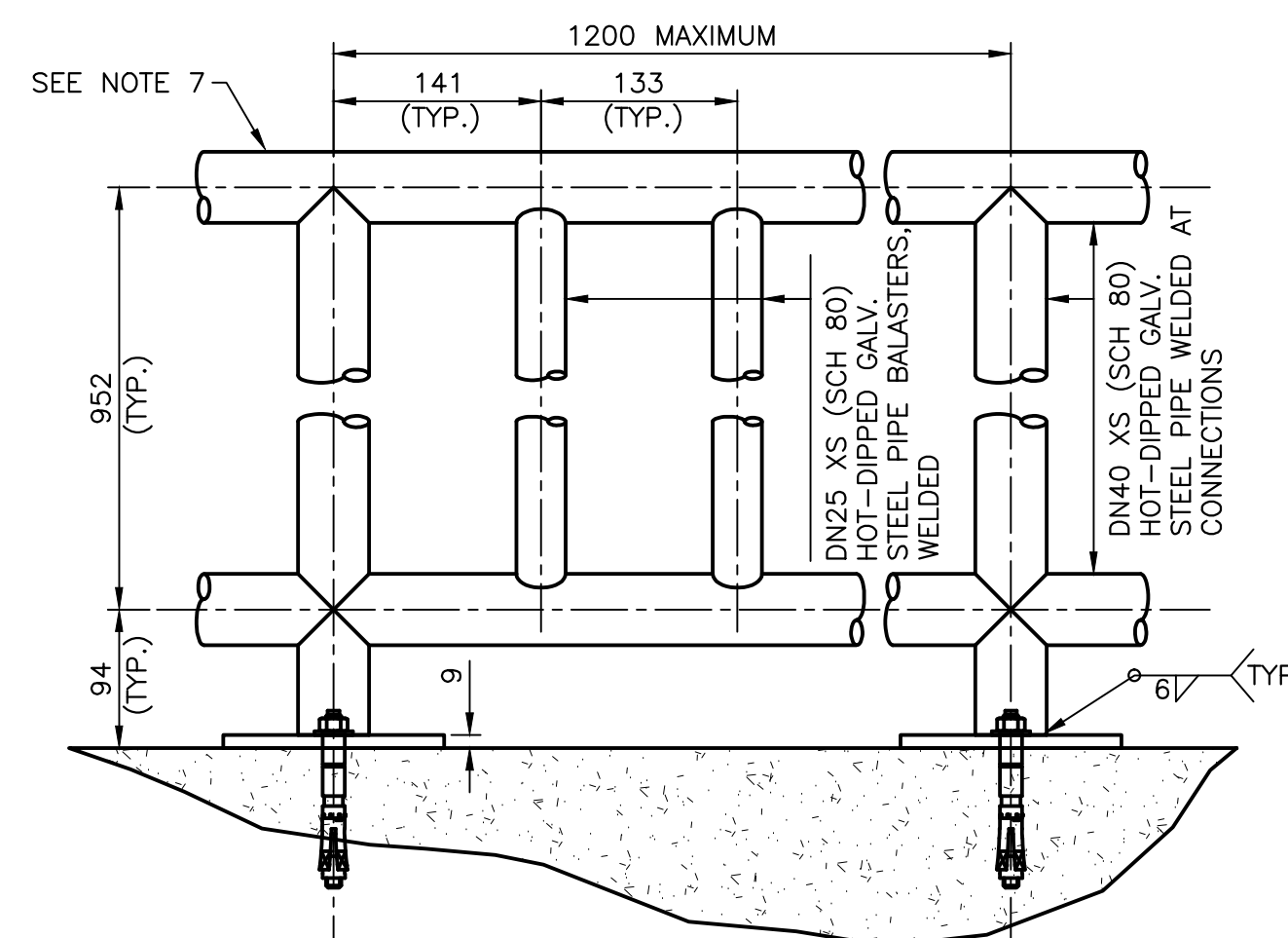
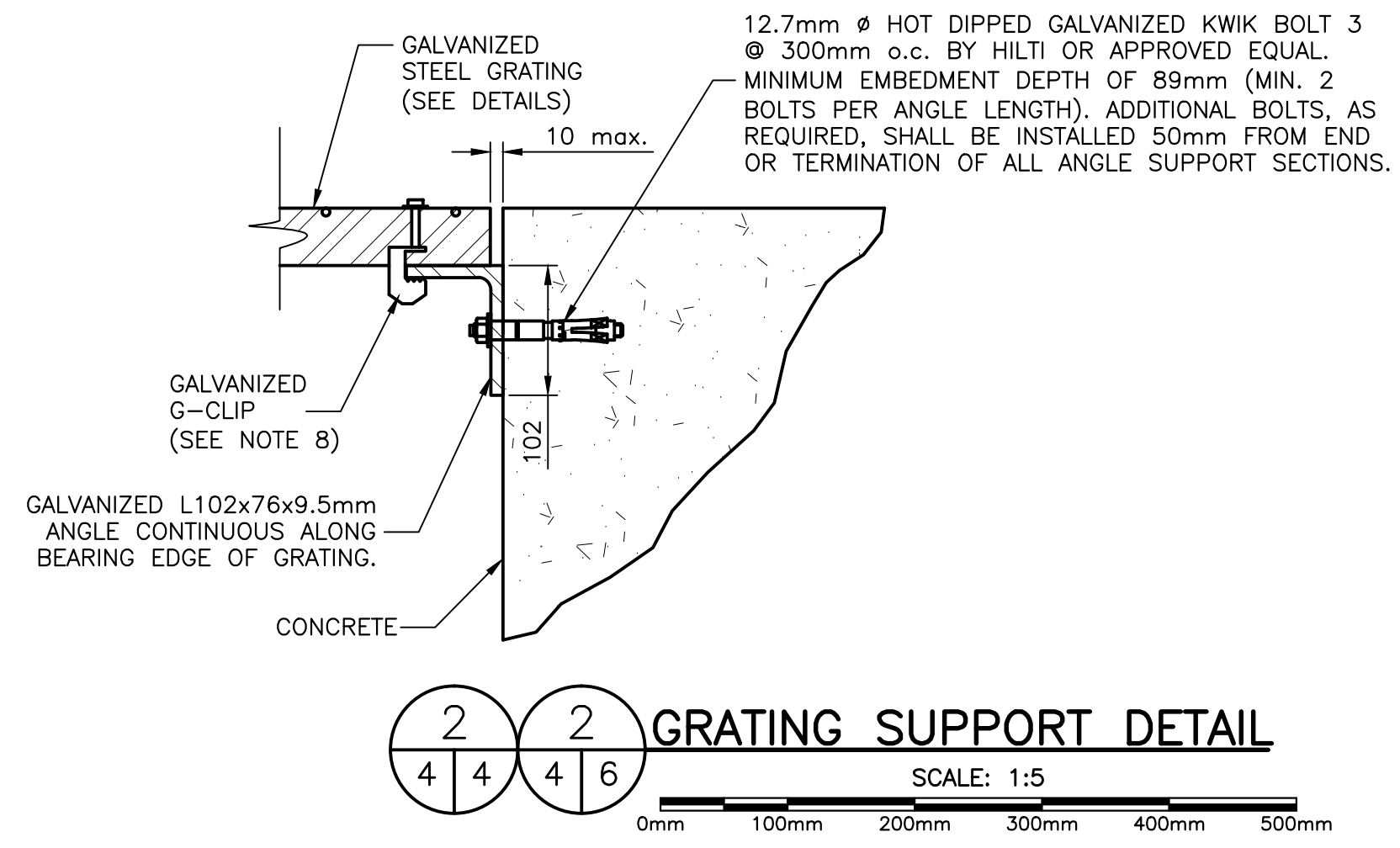
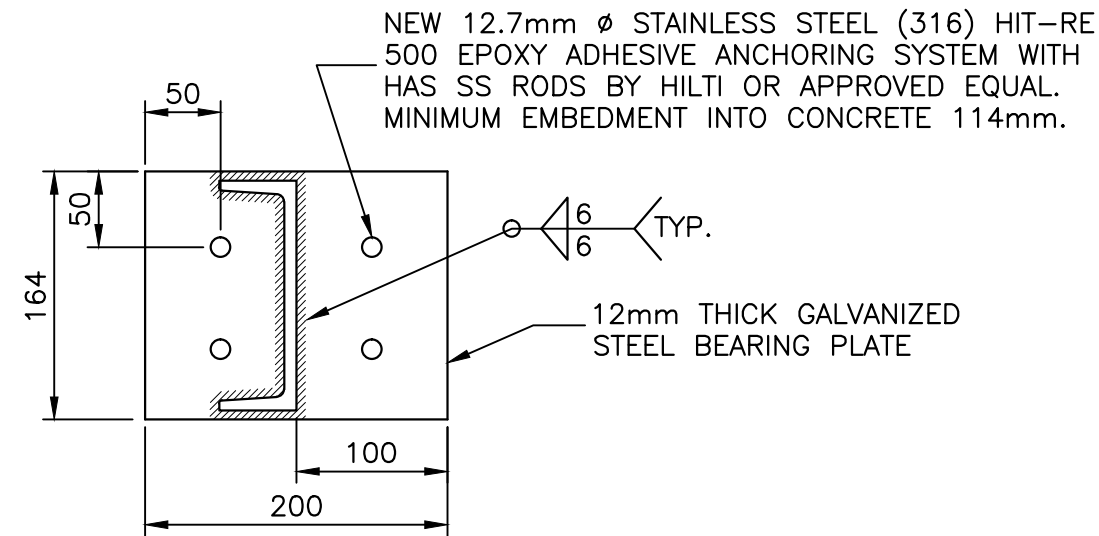
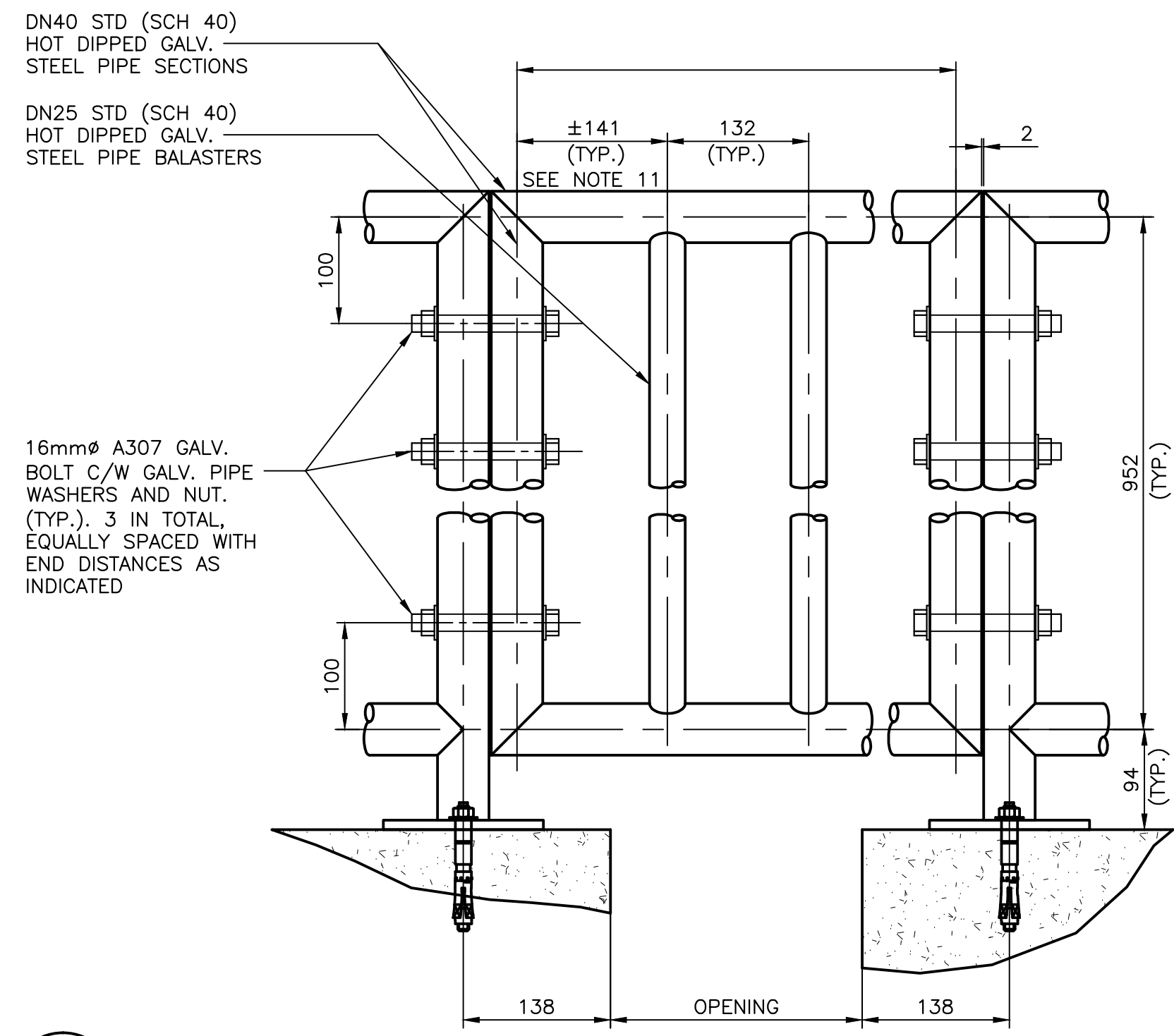


GRATING SCHEDULE			
POOL #	TYPE	DESCRIPTION	DETAILS
1-5	1	BORDEN TYPE W/B, SERRATED EDGE, SIZE NO.11, 30mm CTRS, BEARING BAR SIZE 57x5, GALVANIZED, OR APPROVED EQUAL.	- MAXIMUM CLEAR SPAN = 1.83m - SAFE UNIFORM LOAD = 25.5 KPa - SAFE CONC. LOAD = 7 kN - MAX. UNIFORM LOAD DEFLECTION = 7.6mm - MAX. CONC. 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.	- 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.

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

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  
LEE M. BENNETT  
15/10/22  
NEWFOUNDLAND & LABRADOR

C	ISSUED FOR TENDER	15/10/22
B	ISSUED FOR 99% REVIEW	15/10/09
A	ISSUED FOR 66% REVIEW	15/08/22
revisions		date
project		project
<b>BISHOP'S FALLS FISHWAY UPGRADES</b>		
drawing		design
<b>NEW GRATING AND RAILING DETAILS</b>		
designed L. BENNETT		conçu
date AUG, 2015		
drawn R. SNOW		dessiné
date AUG, 2015		
approved Gary MacGillivray	Oct. 23, 2015	approuvé
date		
Tender		Soumission
IPWGC Project Manager	Administrateur de projets IPWGC	
project number		no. du projet
<b>R.075582.004</b>		
drawing no.		no. du dessin
<b>C04</b>		

E-DRM/GDD-E: 527646 DFO No. 02E0301C01S1