

- 1-12mmØx50MM LG. BOLT

DECK DRAIN 5 DETAIL Scale 1:10

FIBRE-OPTIC 6 SUPPORT DETAIL CS-0016

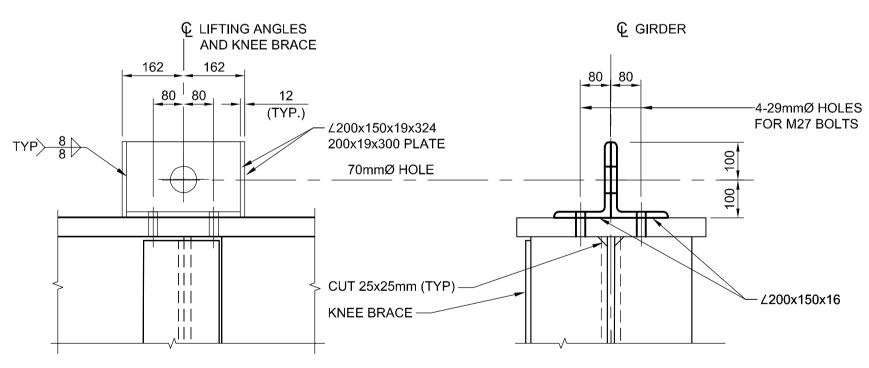


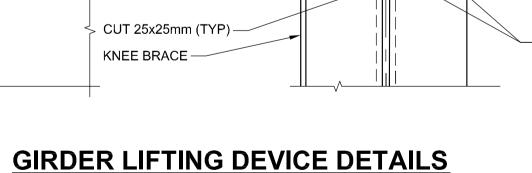


(FCM) —

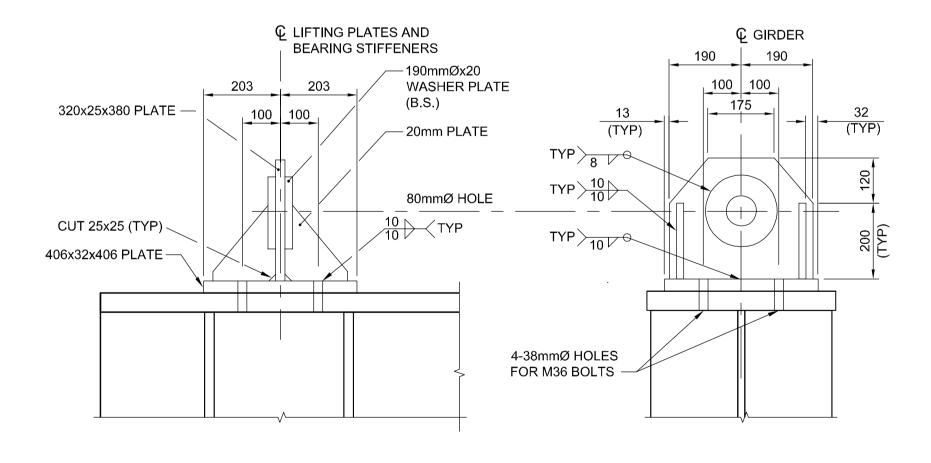








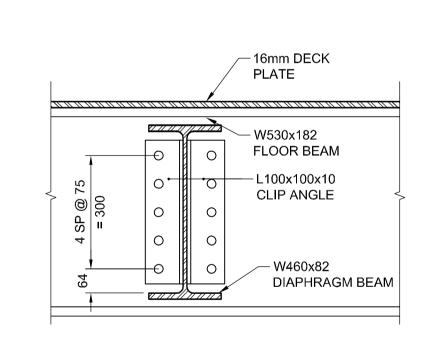
THESE LIFTING DEVICES ARE DESIGNED FOR LIFTING ONE GIRDER ONLY AND NOT FOR ASSEMBLED SPAN (VERTICAL LIFT ONLY WITH 2 CRANES) 2 SPANS-THUS



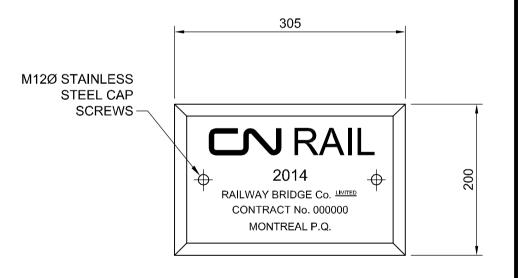
SPAN LIFTING BRACKET

1. COMPLETE ULTRASONIC TESTING OF WELDS IS REQUIRED FOR EACH BRACKET

- 2. SPANS SHALL BE LIFTED USING SPREADER BEAMS AT EACH END. ALL NECESSARY MEASURES MUST BE TAKEN TO ENSURE THAT SLINGS INSTALLED ON LIFTING DEVICES ARE COMPLETELY VERTICAL AT ALL TIMES. BOTH ENDS OF SPAN MUST BE LIFTED SIMULTANEOUSLY.
- 3. LIFTING BRACKETS TO BE REMOVED AFTER GIRDER INSTALLATION. EXISTING BOLTS TO BE KEPT IN GOOD CONDITION AND REINSTALLED AFTER REMOVAL OF LIFTING BRACKETS.



BEAM CONNECTION DETAIL CS-0018



1. ONE NAME PLATE (SUPPLIED BY THE RAILWAY) IS TO BE LOCATED ON EACH SPAN ON THE INSIDE OF THE WEB AT THE NEAR END OF THE RIGHT HAND GIRDER (LOOKING IN THE DIRECTION OF INCREASING MILEAGE) ABOVE TRAINMAN'S WALKWAY.

LOCATION FOR BRIDGE NAME PLATE

BID OPPORTUNITY NO. 712-2013



UNDERGROUND STRUCTURES SUPV. U/G STRUCTURES COMMITTEE NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES	B.M. ELEV.								ENGINEER'S SEAL
					AECOM			TARET TARET	
					DESIGNED BY	BY FT B'	CHECKED CD	F. TABET Member 33659	
							APPROVED BY	EBL	NOV. 21, 2013
					HOR. SCALE: VERTICAL:	AS NOTED AS NOTED	RELEASED FOR CONSTRUCTION BY:		CONSULTANT DRAWING NO.
	0	ISSUED FOR TENDER	2013/11/21	KC					
	NO.	REVISIONS	DATE	BY	DATE 2013-06-04		DATE		60273041-01-CS-207



THE CITY OF WINNIPEG **PUBLIC WORKS DEPARTMENT**

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION CONTRACT 3

MISCELLANEOUS SECTION & DETAILS

CS-0020

SHEET OF 37

CITY DRAWING NUMBER

U238-2014-2020