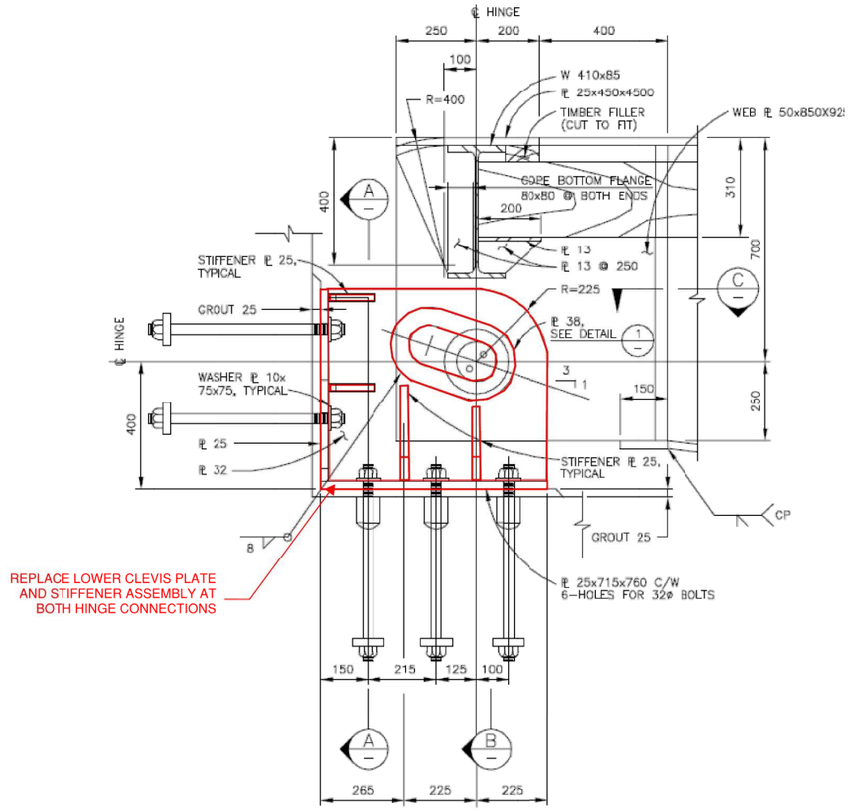
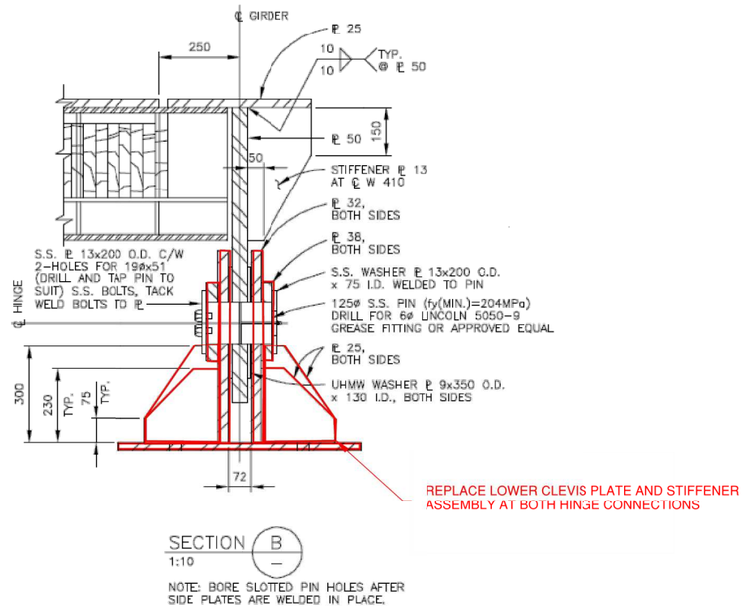
PHOTO - BARGE RAMP REPAIR LOCATIONS

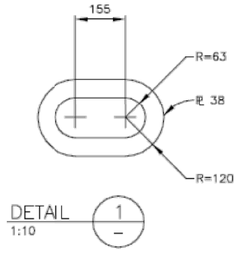




SECTION B
1:10

NOTE: BORE SLOTTED PIN HOLES AFTER SIDE PLATES ARE WELDED IN PLACE.

SECTION A
1:10



DETAIL 1
1:10

GENERAL NOTES:

1. The design intent is to repair the barge ramp inshore hinge connections with severe wearing to the clevis plates.

2. All units are in millimeters unless noted otherwise. All units of elevation are in metres.

3. The intended repair design life is 10 to 15 years subject to regularly scheduled inspections.

4. Contractor is responsible for verifying all geometries in the field prior to ordering/ fabrication of structural components and construction. All members and dimensions shown in black are taken from original record drawings.

5 . In the event of any discrepancy between the field conditions and this sketch, the contractor shall bring this to the attention of the Engineer for evaluation and direction.

6. All steel shall be gade 350W in accordance with CAN/CSA G40.21M.

7. All welding shall be in accordance with CAN/CSA W59.

RECOMMENDED REPAIR PROCEDURE:

1. Ensure the offshore end of the ramp is supported on the lock-out chains.
2. Temporarily jack and support the girders to remove bearing load at the hinges
3. Remove hinge pin cover plates and remove the hinge pin. Inspect pin for evidence of damage or distress.
4. Remove the lower clevis plates assembly and inspect the upper clevis plate for evidence of damage or distress.
5. If damage or distress is noted at the hinge pins or upper clevis plates, report findings to Engineer for further evaluation.
6 Install prefabricated lower clevis plates and secure to abutment using existing bolted connections
7. Install hinge pin and cover plates.
8. Remove jack and complete full range motion checks.

PROFESSIONAL ENGINEER
PROVINCE OF
M. A. FRIDERICHS
41733
Jan. 31 / 2019

Rev	Date	Description	Drawn	Design	App'd
PA	2019-01-30	ISSUED FOR DISCUSSION	GC	MF	MF

NOT TO SCALE

ORIGINAL DWG SIZE: A3 (297 x 420mm)

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BARGE RAMP HINGE REPAIR

GENERAL NOTES AND
REPAIR DETAILS

Drawing No.
SK01

Project Number
2211-70466-T2001

Rev.
PA