

PART 1 - GENERAL

- 1.1 RELATED SECTIONS .1 26 42 00 - Cathodic Protection
- 1.2 DESCRIPTION OF WORK .1 The work of this Section comprises the furnishing of all labour, materials and equipment necessary for the supply and installation of items of work specifically listed under Part 2 - PRODUCTS of this Section, as specified in this Section and shown on the Drawings.

PART 2 - PRODUCTS

- 2.1 MISCELLANEOUS METAL .1 Steel plate: Miscellaneous steel plate to be CAN/CSA G40.21-300W (Minimum), except where specified otherwise.
- .2 Welding materials: Welding shall be done in accordance with AWS D3.6M:2010 for Class B welds or CAN/CSA standard W59 as applicable. Capacity of all welds shall be to W59.

PART 3 - EXECUTION

- 3.1 MISCELLANEOUS METALS .1 Do steel work in accordance with CAN/CSA S16.1.
- .2 Underwater welding shall be done in accordance with AWS D3.6M:2010 for Class B welds. All other welding shall be done in accordance with CAN/CSA standard W59. Capacity of welds shall be to W59.
- .3 The contractor shall provide a weld sample for sectioning to demonstrate the quality of welding and weld procedures for all underwater welds prior to starting the installation of

the repair plates.

- .4 Specimens shall be in accordance with Fillet Weld Break and Macrotech Test Specimens identified in Figure 5.8 (A) of AWS D3.6M:2010.
- .5 Two specimens shall be provided from each welder performing the work (i.e. each welder has to produce two (2) test specimens). The welding procedures should match those for the project.

### 3.2 FABRICATION GENERAL

- .1 Fabricate steel, as indicated, in accordance with CAN/CSA-S16.1 and in accordance with reviewed shop drawings.
- .2 Fabricate work square, true, straight and accurate to required size, with joints closely fitted and properly secured.
- .3 File or grind exposed welds smooth and flush.
- .4 All holes shall be punched or drilled. Burning holes in any steel member is NOT permitted.

### 3.3 CONNECTION TO EXISTING WORK

- .1 Verify dimensions, alignment, elevations and condition of existing work before commencing fabrication and report any discrepancies and potential problem areas to the consultant and await instructions.