

PART 1 - GENERAL

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| <u>1.1 RELATED WORK</u> | .1 | Submittal Procedures: Section 01 33 00. |
| | .2 | Construction/Demolition Waste Management and Disposal: Section 01 74 21. |
| <u>1.2 DESCRIPTION OF WORK</u> | .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. |
| <u>1.3 MEASUREMENT FOR PAYMENT</u> | .1 | Payment for the mooring cleats and ladders will be measured as individual units for elements incorporated into work. |
| | .2 | Measurement for Payment of other items indicated shall be paid as a lump sum. |

PART 2 - PRODUCTS

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| <u>2.1 MOORING CLEATS</u> | .1 | Size and material as indicated on drawings and to Departmental Representative's requirement. |
| <u>2.2 MISCELLANEOUS METAL</u> | .1 | Steel sections and plates: to CAN/CSA G40.21, Grade 350W except where specified otherwise. |
| | .2 | Steel pipe and handrails: to ASTM A53, CSA S16.1, Schedule 40 and as indicated on drawings. |
| | .3 | Ladder rungs: to CSA C-40.21 round bars to size as indicated. |
| | .4 | Welding materials: to CSA W59. |
| | .5 | Bolts and anchor bolts: to ASTM A307. |

2.3 GALVANIZING

- .1 Hot dip galvanize bolts, nuts and washers and unless otherwise specified, staples, cable clamps, pipe sleeves, spikes and nails to CAN/CSA-G164. All steel materials shall be hot dipped galvanized (min. 700gr/m3) suitable for marine environment.

PART 3 - EXECUTION

3.1 CLEATS

- .1 Install at locations indicated on drawings.

3.2 MISCELLANEOUS METALS

- .1 Do miscellaneous steel work in accordance with CAN/CSA S16.1.
- .2 Welding in accordance with CSA W59. Install miscellaneous site items as indicated on drawings.

3.3 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 Use welded connections for both interior and exterior metal work unless otherwise indicated or approved by Departmental Representative.
- .4 Use self-tapping, shake-proof countersunk flat headed screws on items requiring assembly by screws, or as indicated.
- .5 Where possible, fit and shop assemble work, ready for erection.
- .6 Ensure exposed welds are continuous for length of each joint. File or

grind exposed welds smooth and flush.

- .7 Grind and polish all exposed edges and corners to leave smooth surface free from burrs or other sharp protrusions.
- .8 All holes shall be punched or drilled. Burning holes in any steel member is NOT permitted.

3.4 CONNECTION TO
EXISTING WORK

- .1 Examine dimensions, alignment, elevations and condition of work before commencing fabrication and report any discrepancies and potential problem areas to Departmental Representative and await instructions.

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