

PART 1 - GENERAL

1.1 DESCRIPTION

- .1 This section specifies the requirements for supply and installation of mooring devices as follows:
 - .1 Supply and installation of Types "A" and "B1" mooring cleats.

1.2 RELATED WORK

- .1 Section 02 41 16 - Sitework, Demolition, and Removal.
- .2 Section 03 10 00 - Concrete Forming and Accessories.
- .3 Section 03 30 00 - Cast-in-Place Concrete

1.3 MEASUREMENT FOR PAYMENT

- .1 Re-install Mooring Cleats: The reinstallation of existing mooring cleats on wheelguard (new/existing), as per existing, will be measured by the unit secured in place. Contractor to provide all anchor bolts, nuts, washers, grout, fastenings, plant, equipment, and labour.

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Mooring Devices:
 - .1 Existing Mooring Cleats: as per existing.
 - .2 Anchor Bolts and Nuts: to ASTM A307, galvanized.
 - .3 Non-Shrink Grout: pre-mixed compound of non-metallic aggregate and plasticizing agents, capable of developing minimum compressive strength of 50 MPa at 28 days.
 - .4 Galvanizing: to CSA G164, minimum zinc coating 610 g/m².
 - .5 Welding: to CSA W59.
 - .6 Sealer: to Section 07 92 10.

2.2 SHOP DRAWINGS

- .1 Submit fabricator's shop drawings on cleats in accordance with Section 01 33 00 - Submittal Procedures.

PART 3 - EXECUTION

3.1 INSTALLATION

- .1 Re-install Mooring Cleats:
 - .1 Reinstall existing cleat, as per drawings/existing.
 - .2 Fasten cleats directly to wheelguard, as per existing.
 - .3 Secure cleats with 25 mm diameter anchor bolts of lengths required complete with associated nuts and washers.
 - .4 After cleat installation is complete, bolt holes in cleats to be filled with approved waterproofing compound.

3.2 GROUT

- .1 Set all mooring cleats at locations and elevations indicated or as directed by the Departmental Representative. Grout under base of cleat using a non-shrink, non-metallic type of grout after tightening of anchor bolts or positioning wedges. Grout must be approved by Departmental Representative. Fill anchor bolt holes with approved sealer. Ensure that temperatures of foundation, air, base and grout are within range specified by grout manufacturers.
- .2 Do not grout until approval given by Departmental Representative.