

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 Type "A" mooring cleats.
 - .2 Supply and installation of Type "B1" mooring cleats.

1.2 RELATED SECTIONS

- .1 Section 02 41 16 - Sitework, Demolition, and Removal.
- .2 Section 03 10 00 - Concrete Forming and Accessories.
- .3 Section 03 20 00 - Concrete Reinforcing.
- .4 Section 03 30 00 - Cast-in-Place Concrete.

1.3 MEASUREMENT FOR PAYMENT

- .1 Mooring Cleats - Type "A": The supply and installation of Type "A" mooring cleats, including reinforced concrete pedestal, will be measured by the unit secured in place. Contractor to provide all concrete, reinforcing steel, anchor bolts, nuts, washers, grout, fastenings, paint, plant, equipment, and labour.
- .1 Mooring Cleats - Type "B1": The supply and installation of Type "B1" mooring cleats, including reinforced concrete pedestal, will be measured by the unit secured in place. Contractor to provide all concrete, reinforcing steel, anchor bolts, nuts,

washers, grout, fastenings,
paint, plant, equipment, and
labour.

PART 2 - PRODUCTS

2.1 MOORING DEVICES

- .1 Mooring Devices:
 - .1 Mooring Cleats Type "A":
carbon case steel, 225 kg
weight as dimensioned on the
attached drawing.
 - .1 Mooring Cleats Type "B1":
galvanized cast iron, 36.2kg
weight as dimensioned on the
attached drawing.
 - .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 Concrete: to Section 03 30
00.
 - .7 Concrete Reinforcement: to
CSA G30.12M, Grade 400.
 - .8 Primer: Alkyd undercoat,
exterior oil ferrous metal
primer, similar to
Pittsburgh 6-208.
 - .9 Paint: Alkyd/Oil Resin paint
similar to Pittsburgh Paints
"Brilliant Red (Safety Red)"
Product ID 7-801. Paint to
conform to CAN/CGSB-1.61-
2004.

2.2 SHOP DRAWINGS

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

PART 3 - EXECUTION

3.1 INSTALLATION

- .1 Mooring Cleats - Types "A" and "B1":
 - .1 Install concrete cleat block for Types "A" and "B1" cleats as per attached drawings.
 - .2 Install concrete cleat blocks monolithically with deck.
 - .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 PAINTING

- .1 Paint ferrous metal portions of mooring cleats.
- .2 Use one (1) coat of exterior oil ferrous metal primer and two (2) coats of alkyd/oil resin paint as specified. Paint materials for each coat to be product of a single manufacturer as specified. Ensure previous coat of primer or paint is dry before second coat is applied.

END OF SECTION