SECTION 11 13 00

LOADING DOCK EQUIPMENT

PART 1 GENERAL

1.1 SUMMARY

A. This Section covers the supply, installation, testing into operation of loading dock equipment as indicated.

B. Comply with Division 1 - General Requirements.

1.2 SUBMITTALS

A. Submit six copies of the following drawings:
   1. General layout of loading dock equipment with anchor bolt locations.
   2. Cross-sectional details of each piece of loading dock equipment with complete materials list.
   3. Engineering descriptions.

B. Submit installation manuals before shipment of equipment.

C. Submit as part of the separate bound, indexed manual for loading dock equipment, installation, operation and maintenance manuals for all equipment.

PART 2 PRODUCTS

2.1 DOCK LEVELLER

A. Models and Manufacturers:
   1. Model MDX6630M by Blue Giant Equipment Corporation
   2. Model MDX by All Right Doors and Docks Systems Inc.

B. Performance characteristics:
   1. Mechanical Edge of Dock (EOD), Hinged Dock Leveler welded to foundation concrete dock wall. Equipped with a balanced spring assisted lifting system providing push-pull operation with no lifting required.
   2. Lip extension not less than 381 mm long.
   3. One piece continuous front and rear hinge pins for enhanced strength and durability.

C. Rated Capacity: 13636 kg

D. Function:
   1. Vertical travel: working range up to 127 mm above and below dock level.
   2. Automatic vertical Compensation: unit to provide float up to 127 mm above and below dock level.

3. Lip Operation: lip automatically extends as units lowered onto truck bed. Lip is returned to stored position upon truck departure.
4. Pulling and pushing retractable handle raises and lowers the spring- assisted deck to the required position and extends the dock lip automatically.

E. Finish and color: Factory paint finish, standard grey color.

2.2 DOCK BUMPERS

A. Dock bumpers: Molded rubber dock bumpers model DB13 by Blue Giant (254 W x 330 H x 101 mm) mounted to heavy duty bumper blocks for installation on either side of the dock leveler.

B. Dock Bumpers by Blue Giant represents standards of quality. Comparable systems by All-Rite & Door System Inc., Brampton, Ont., and Serco, Mississauga, Ont. are acceptable.

2.3 DOOR SEALS

A. Provide dock door seal by Blue Giant Model BG 201 adjustable head curtain dock to suit door opening as indicated on Drawings.

B. Door Seals by Blue Giant represents standards of quality. Comparable systems by All-Rite & Door System Inc., and Serco, are acceptable.

PART 3 EXECUTION

3.1 INSTALLATION

A. Install Dock Leveler, Bumpers and Door Seal at Rolling Metal Doors in the High Rate Clarification Building.

END OF SECTION

SECTION 11 31 00

APPLIANCES

PART 1 GENERAL

1.1 SUBMITTALS

A. Action Submittals: Manufacturer's literature including specifications, operating and cleaning instructions, and warranties chart. Identify each unit with Contract Administrator's item number.

1.2 WARRANTY

A. Submit manufacturer's two-year unlimited warranty for materials and parts including labour of replacement.

B. Submit manufacturer's five -year limited warranty for work materials and parts.

C. Submit manufacturer's life-time warranty against defects in stainless steel and interior lining.

PART 2 PRODUCTS

2.1 MANUFACTURED UNITS

A. Refrigerator (Laboratory):
   1. Manufacturers and Products: Under-counter Refregirator by KitchenAid, 4.7 Cu.Ft, Model KUDF204ESB, Stainless Steel.
   2. Web Link: http://www.kitchenaid.ca/en_CA/shop/major-appliances-1/refrigerators-2/undercounter-refrigerators-3/-[KUDF204ESB]-2104720/KUDF204ESB/

B. Dishwasher (Laboratory):
   1. Manufacturers and Products: Under-counter Dishwasher, by KitchenAid, 39 dBA top-control, ProScrub option, Model KDTE254ESS, Stainless Steel.
   2. Web Link: http://www.kitchenaid.ca/en_CA/shop/major-appliances-1/dishwashers-2/dishwashers-3/-%5bKDTE254ESS%5d-2104881/KDTE254ESS/

PART 3 EXECUTION

3.1 INSTALLATION

A. Follow manufacturers' instructions and recommendations, install and connect appliances in the proper location and leave them ready for use.

B. Remove all protective masks and clean surfaces, leaving them free of soil and imperfections.

END OF SECTION