

PART 1 GENERAL

1.1 GENERAL REQUIREMENTS

- .1 Comply with the requirements of Section 210501 Common Work Results - Mechanical General Provisions
- .2 Comply with the requirements of Mechanical Equipment Schedules A Mechanical Specifications Approved Substitute Schedule
- .3 Comply with the requirements of Section 210504 Common Work Results - Mechanical Basic Materials And Methods.

1.2 WORK PERFORMED UNDER THIS SECTION

- .1 As indicated on the Drawings and in the Specifications, provide complete plumbing systems with all necessary appurtenances, trim and piping, including, but not limited to:
 - .1 plumbing fixtures and trim;
 - .2 domestic cold water system;
 - .3 domestic cold water pressurization system;
 - .4 domestic cold water softening system;
 - .5 high temperature domestic hot and recirculation water system including heater(s), storage tank(s), and circ and recirc pumps;
 - .6 domestic hot and recirculation water system including mixing valve and recirc pump;
 - .7 domestic tempered and recirculation water system including mixing valve and recirc pump;
 - .8 sanitary drainage and venting systems;
 - .9 sump pit(s) including pump(s) and alarm(s);
 - .10 storm drainage system;
 - .11 natural gas system including regulators and vents
 - .12 compressed air system including compressor(s), dryer(s), storage tanks and outlets;
- .2 Provide Equipment, Personnel and Material necessary to assist with Pipe Cleaning and Chemical Treatment.

1.3 RELATED SECTIONS:

- .1 Section 013300 - Submittal Procedures.
- .2 Section 017810 - Closeout Submittals.

1.4 REFERENCES

- .1 Canadian Standards Association (CSA International).
 - .1 CAN/CSA-B45 Series, Plumbing Fixtures.
 - .2 CAN/CSA-B125, Plumbing Fittings.
 - .3 CAN/CSA-B651, Barrier-Free Design.

1.5 SUBMITTALS

.1 Submit shop drawings on plumbing fixtures/trim, drains and associated accessories; water softeners; water heaters; heat exchangers; tanks; 3-way valves; pumps; propane tanks and accessories; fuel oil tanks, pumps and accessories; humidifiers and accessories, including dispersion tubes; air compressors, associated equipment and accessories including outlets.

.2 Submittals in accordance with Section 013300 - Submittal Procedures

.3 Closeout Submittals:

.1 Submit maintenance data in accordance with Section 017810 - Closeout Submittals.

.2 Include:

.1 Description of fixtures and trim, giving manufacturer's name, type, model, year, capacity.

.2 Details of operation, servicing, maintenance.

.3 List of recommended spare parts.

1.6 SEPARATE PRICES

.1 Refer to Specification Section 210501 Common Work Results - Mechanical General Provisions for Separate Pricing.

1.7 START-UP AND COMMISSIONING

.1 Start-up and Commissioning shall be undertaken prior to the Occupancy stage of each Construction Phase.

.2 Provide the Equipment, Personnel and Material necessary to put the Plumbing Systems into Operation.

.3 Provide the Equipment, Personnel, Material and Information necessary to assist the The Contract Administrator in completing the Commissioning Process.

.4 Complete the required forms as set forth in Specification Section 230805 Commissioning.

1.8 QUALITY ASSURANCE

.1 Qualifications: Execute work of this section by skilled tradesmen regularly employed in the installation of plumbing and drainage systems.

PART 2 PRODUCTS

2.1 MATERIAL

.1 Refer to Mechanical Equipment Schedule I Plumbing Fixture & Equipment Schedule.

END OF SECTION 224202

Bid Opportunity No. 832-2007
Bronx Park Community Centre
Good Neighbours Senior Centre
Winnipeg, MB

PLUMBING FIXTURES

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SECTION 224202