



CONTRACT 2019-34

DESICCANT DEHUMIDIFIER

MAY 2019

Les Johnston
Supervisor Arenas and Facilities
Operations Department
CITY OF BROCKVILLE
251 North Augusta Road
Brockville, Ontario
K6V 2Y2

1 GENERAL

1.1 SCOPE OF WORK

This Section of the Contract includes all Ice Rink Equipment work called for, or implied, together with all necessary incidentals, whether referred to or not, as will be required to complete the work to the full intent and meaning of the specifications. The work includes, but is not limited to the following:

1. Contractor must be T.S.S.A approved
2. Contractor is to remove one (1) Mechanical Dehumidifiers from existing stand locations.
3. Contractor is to remove the Freon from the mechanical units and dispose units in an environmentally sound manner.
4. Contractor is to supply and install one (1) CDI MS2600 electric desiccant dehumidifier rated for approximately 2,600 cfm. An alternate unit may be acceptable, but must be approved by the City prior to submitting a Quotation.
5. Contractor is to supply and install appropriately sized spiral ductwork from reactivation inlet/outlet to the outside.
6. Power and control wiring from the load side of the main disconnect to all equipment specified herein.
7. Contractor is responsible for installing a humidistat and wiring from the selected location to the unit.
8. Any painting and identification labels.
9. Any ministry Inspections.
10. Start-up and testing.
11. Training.
12. Manuals and as-built drawings (2 copies).

1.2 RELATED WORK

The Contractor shall coordinate all phases of the above Scope of Work with their General Contractor, Electrical and Mechanical Contractors.

1.3 REFERENCED STANDARDS

Comply with all codes and standards (latest versions) applicable to this type of work, including:

1. ANSI B31.5
2. ASHRAE 15 Safety Code for Mechanical Refrigeration.
3. ASME B31.5 Refrigeration Pressure Piping Code.
4. Mechanical Refrigeration Code - CSA-B52-99.
5. Boiler and Pressure Vessels Act.
6. Hydro Electrical Safety Code.
7. WCB Regulations.
8. Any other local or provincial requirements.

2 EQUIPMENT

CDI-MS-2600 or equivalent

2.1 GENERAL

- The unit shall be completely factory assembled and tested and shall be shipped in sections (if necessary) to facilitate shipping and installation requirements.
- The unit shall be designed for indoor mounting. The unit will have the capabilities of filtering dehumidifying as required in the schedules and drawings.

3 EXECUTION

3.1 ELECTRICAL

Contractor is responsible for necessary wiring and controls.

3.2 STRUCTURAL/ROOFING

Contractors is responsible for completing any platform/structural modifications.

3.3 TESTING AND INSTRUCTION

The Contractor shall test run the equipment and provide supervision of the Owner's operating personnel. He shall also provide instruction to the Owner's operating personnel as to the operation, care and maintenance of the ice rink equipment.

3.4 MANUALS

Provide two copies of operating and maintenance manuals for all ice rink equipment covered under this contract, including as-built drawings.

5.0 PRICING

SUPPLY & INSTALL DESICCANT DEHUMIDIFIER Start Up & Commissioning Included Staff Training	\$
HST 13%	\$
Project Grand Total	\$
_____ Signature	_____ Date