

---

**Part 1            General**

**1.1                RELATED REQUIREMENTS**

- .1            Section 26 05 00 - Common Work Results for Electrical.

**1.2                ACTION AND INFORMATIONAL SUBMITTALS**

- .1            Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2            Product Data:
  - .1            Provide manufacturer's printed product literature and data sheets and include product characteristics, performance criteria, physical size, finish and limitations.

**1.3                CLOSEOUT SUBMITTALS**

- .1            Provide maintenance data for toilet and bath accessories for incorporation into manual specified in Section 01 78 00 - Closeout Submittals.

**1.4                DELIVERY, STORAGE, AND HANDLING**

- .1            Deliver, store, and handle materials in accordance with manufacturer's written instructions.
- .2            Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3            Storage and Handling Requirements:
  - .1            Store materials off ground, indoors, and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
  - .2            Store and protect hand dryers from nicks, scratches, and blemishes.
  - .3            Replace defective or damaged materials with new.

**1.5                ACCEPTABLE PRODUCTS AND MATERIALS**

- .1            Where a particular brand name is stipulated, see Instructions to Bidders for procedure for requesting approval of substitute materials and products.

**Part 2            Products**

**2.1                HAND DRYERS**

- .1            Hand dryer: listed under re-examination service of ULC and CSA approved.
- .2            Mounting: surface.
- .3            Base: 3 mm aluminum base with mechanical noise dampening blocks.
- .4            Cover: stainless steel, 1/16 thick, satin finish, fixed to base with two tamper-resistant lock screws.

- .5 Motor: 1/3 hp, adjustable speed from 3,800 to 8,200 RPM, resilient mounting, sealed, lubricated bearings, fuse protected, voltage as indicated.
- .6 Fan: double inlet centrifugal type, dynamically balanced, directly mounted on motor shaft, adjustable effective airflow from 16.9 L/s to 27 L/s.
- .7 Heating element: 900 W, protected by an automatic, resetting circuit breaker, isolated from nozzle.
  - .1 Discharge Temperature: adjustable from 41°C to 44°C at 100 mm distance and ambient temperature of 21 °C.
- .8 Electronic dryer: power controlled by infrared admitting, receiving electronic control device positioned to dryer on when hands are placed under nozzle. Operation to continue for no more than 60 seconds of continued use.
- .9 Noise Level: 64–70 dB delivering 16.9 to 27 L/s of air.
- .10 Nozzle: bottom outlet, fixed.
- .11 Acceptable products:
  - .1 Model 2902-2874000 of Bradley;
  - .2 Replacement materials or products: approved by addendum according to Instructions to bidders.

### **Part 3 Execution**

#### **3.1 EXAMINATION**

- .1 Verification of Conditions: verify that conditions of substrates and surfaces to receive toilet and bathroom accessories previously installed under other Sections or Contracts are acceptable for product installation in accordance with manufacturer's instructions prior to toilet and bathroom accessories installation.
- .2 Inform Departmental Representative of unacceptable conditions immediately upon discovery.
- .3 Proceed with installation only after unacceptable conditions have been remedied.

#### **3.2 INSTALLATION**

- .1 Install hand dryers as indicated and fix them securely to wall with lead expansion sleeve set.
  - .1 Maximum mounting height: as indicated.
- .2 Connect electrical power supply as indicated.

#### **3.3 TESTS**

- .1 Ensure good operation of hand dryers.

**3.4 CLEANING**

- .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
  - .1 Leave Work area clean at end of each day.
- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.

**3.5 PROTECTION**

- .1 Protect installed products and components from damage during construction.
- .2 Repair damage to adjacent materials caused by toilet and bathroom accessories installation.

**END OF SECTION**