This section includes editing notes to assist the user in editing the section to suit project requirements. These notes are included as hidden text, and can be revealed or hidden by the following method in Microsoft Word:

Display the FILE tab on the ribbon, click OPTIONS, then DISPLAY. Select of deselect HIDDEN TEXT.

This guide specification section has been prepared by World Dryer Corporation for use in the preparation of a project specification section covering Vmax V2 high efficiency vertical “hands in” hand dryers.

The following should be noted in using this specification:

Hypertext links to manufacturer websites are included after manufacturer names to assist in product selection and further research. Hypertext links are contained in blue, e.g.:

[www.astm.com](http://www.astm.com)

Optional text requiring a selection by the user is enclosed within brackets and as red text, e.g.: “Color: [Red.] [Black.]"

Items requiring user input are enclosed within brackets and as red text, e.g.: "Section [\_\_ \_\_ \_\_ - \_\_\_\_\_\_\_\_]."

Optional paragraphs are separated by an "OR" statement included as red text, e.g.:

\*\*\*\* OR \*\*\*\*

For assistance in the use of products in this section, contact World Dryer Corporation by calling 800-323-0701, by email at [info@worlddryer.com,](mailto:info@worlddryer.com,) or visit their website at [www.worlddryer.com](http://www.worlddryer.com).

**SECTION 10 28 14 - ELECTRIC HAND DRYERS**

1. **GENERAL**
   1. SUMMARY
      1. Section Includes: Electric hand dryers.

Edit the following to coordinate with other sections in the Project Manual.

* + 1. Related Sections:
       1. Section [06 10 00 - Rough Carpentry] [\_\_ \_\_ \_\_ - \_\_\_\_\_\_]: Blocking in stud partitions for mounting hand dryers.
       2. Section [\_\_ \_\_ \_\_ - \_\_\_\_\_\_]: Electrical supply, conduit, wiring, boxes, and wiring devices for hand dryers.
  1. SUBMITTALS
     1. Action Submittals:
        1. Shop Drawings: Show dimensions, method of attachment, and required supports.
        2. Product Data: Manufacturer's data sheets on each product to be used, including:
           1. Preparation instructions and recommendations.
           2. Operation instructions and performance.
           3. Storage and handling requirements and recommendations.
           4. Installation methods.
     2. Closeout Submittals:
        1. Operation and Maintenance Data.
  2. QUALITY ASSURANCE
     1. Hand Dryers: Certified to Underwriters Laboratory (UL), Inc. and Canadian Standards Association (CSA); bear UL or ETL markings.
  3. WARRANTIES
     1. Provide manufacturer’s 5 year limited warranty excluding filters.

1. **PRODUCTS**
   1. MANUFACTURERS
      1. Contract Documents are based on products by World Dryer Corporation, 800-323-0701, [www.worlddryer.com.](http://www.worlddryer.com)
      2. Substitutions: [Refer to Division 01.] [Not permitted.]
   2. MANUFACTURED UNITS
      1. Hand Dryers:
         1. Type: High efficiency, vertical, “hands in”.
         2. Source: VMax V-649A by World Dryer Corporation.
         3. Mounting: Surface mounted.
         4. Electrical rating: 1000 watts, 10 Amps, 110 -120 VAC, 50/60 Hz.
         5. Air flow: 85 CFM at 335 MPH (29,480 LFM).
         6. Intake air filter: HEPA (high efficiency particulate air) filter with odor neutralizing tablet.
         7. Water collection: Integrated drain inside the drying cavity with water reservoir.
         8. Motor: Brushless DC type, through-flow discharge, vacuum type; 1 5/8 HP, 30,000 RPM with automatic resetting thermostat.
         9. Electronic controls:
            1. Automatic infrared optical sensor.
            2. Shut-off in 20 seconds if hands are not removed.
            3. Hi/Low speed control switch.
            4. LED display indicating interval for service checks of water reservoir full or HEPA filter.
         10. Heater: Ambient temperature drying.
         11. Sound level (adjustable): 69 dBA at 79 in. (2 m).
         12. Anti-microbial technology: Protects treated surfaces on the dryer by inhibiting growth of bacteria, mold, and fungus that can cause stains, odors or deterioration.
         13. Ingress protection rating: IP33.
         14. Cover: Painted high impact ABS polymer.
2. **EXECUTION**
   1. INSTALLATION
      1. Install in accordance with manufacturer's instructions and approved Shop Drawings.

Accessible layout for persons with physical disabilities must ensure a minimum clear floor space of 30 x 48 inches (762 x 1219 mm) in front of or parallel to hand dryers. Hand dryer may project into this clear space if there is a 29 inch (737 mm) minimum knee and toe space beneath the hand dryer. It is recommended to install at least one hand dryer for persons with physical disabilities in multiple hand dryer installations.

Depending on placement of hand dryers in facilities accessible to persons with physical disabilities, maximum projection from wall may be restricted to 4 inches (102 mm). Some dryers are available with recess mounting kits.

* + 1. Mount dryers at heights [indicated on Drawings.] [indicated on manufacturer’s mounting templates.]
  1. CLEANING AND TESTING
     1. Remove protective packaging.
     2. Clean surfaces with mild soap solution. Do not use abrasives.
     3. Inspect installed dryers to verify mounting is rigid and electrical connections are proper.
     4. Test each dryer to verify operation and performance.
  2. PROTECTION
     1. Protect dryers from construction activities until just prior to Substantial Completion.
  3. DEMONSTRATION
     1. Demonstrate operation and maintenance of dryers to Owner.

END OF SECTION