SECTION 224713 - DRINKING FOUNTAINS

1. GENERAL
   * + 1. RELATED DOCUMENTS
          1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
       2. SUMMARY
          1. Section includes drinking fountains and related components.
       3. ACTION SUBMITTALS
          1. Product Data: For each type of drinking fountain.

Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.

Include operating characteristics, and furnished specialties and accessories.

* + - * 1. LEED Submittals:

Product Data for Prerequisite WE 1[**and Credit WE 3**] [**, Credit WE 2, and Credit WE 3**]: Documentation indicating flow and water consumption requirements.

* + - 1. CLOSEOUT SUBMITTALS
         1. Maintenance Data: For drinking fountains to include in maintenance manuals.

1. PRODUCTS
   * + 1. DRINKING FOUNTAINS
          1. Drinking Fountains <**Insert drawing designation**>: **[Stainless Steel] [Bronze]** non-recessed.

Manufacturers: Subject to compliance with requirements, provide products by the following:

Basis-of-Design Product: Subject to compliance with requirements, provide Filtrine Model 90 or comparable product by one of the following, submitted ten days prior to bid:

Filtrine Manufacturing Company – Drinking Water Division

Larco Inc.

Indestruct Coolers

Standard: Comply with NSF 61.

Standard: Comply with NSF 372-2011, Drinking Water System Components – Lead Content.

Standard: ADA Compliant.

Country of Origin: Made in U.S.A., with no less than 75% US parts/components.

Wall Mounting Bracket: 1/4 inch (267 mm) painted steel.

Receptor: 16 ga. rectangular with integral 10 inch (254 mm) diameter bowl with welded front and side edges, **[Stainless Steel] [Bronze]** with bubbler located 3 inches (76 mm) from front edge.

Finish: Hand-polished **[#4 satin] [#8 mirrored]** **[Statuary] [Oil rubbed] [Powder coated]** finish.

Control: Integral **[Soft-touch] [Push button] [Electric Eye**] with control valve assembly.

Cover Plate: 16 ga. **[Stainless Steel] [Bronze] [No Cover Plate]**

Cover Plate Finish: Hand-polished **[#4 satin] [#8 mirrored] [Statuary] [Oil rubbed] [Powder coated]** finish. **[No Cover Plate]**

Supply: NPS 1/4 (DN 8) lead-free copper/brass waterways with shutoff valve.

Waste Fitting: ASME A112.18.2/CSA B125.2, NPS 1-1/4 (DN 32) brass P-trap.

Support: Factory supplied mounting bracket: 1/4 inch (267 mm) painted steel, for attaching to wood blocking or substrate.

**MODEL 90 DRINKING FOUNTAIN – SINGLE, NON-RECESSED**

Install, where shown on plans, Filtrine Model 90 wall mounted drinking fountain with 100% lead free stainless steel/brass bubblers; 16 ga rectangular receptacle with integral 10 inch diameter bowl, welded edges and integral drain; 100% lead-free copper/brass waterways—NO PLASTIC TUBING/CONNECTORS ALLOWED; integral **[soft-touch] [push-button] [electric eye “touch-less]** activator; **[With] [Without]** 16 ga. wall cover plate to conceal mounting bracket. No nameplate, lettering, or symbols of any kind; one quarter inch steel factory mounting plate to connect to **[stud wall] [concealed carrier]** with three eighths inch lag bolts; fountain extends **[twelve][eighteen]** inches from finished wall; made in USA.

**Required Factory Installed Options:**

**[vandal-proof security panel(s) secured with “snake eye” screws to protect plumbing]**

**[vandal-proof bubbler secured with a set screw]**

**[vandal-proof bottle filler over bowl activated with “soft-touch” valve]**

**[lever-handled bottle filler over lower bowl]**

**[matching six inch access panel below cover plate for trap access]**

**[factory installed TasteMaster purifier in matching wall-box below fountain, with hinged access door and key-lock.]**

1. EXECUTION
   * + 1. EXAMINATION
          1. Examine roughing-in for water-supply and sanitary drainage and vent piping systems to verify actual locations of piping connections before fixture installation.
          2. Examine walls and floors for suitable conditions where fixtures will be installed.
          3. Proceed with installation only after unsatisfactory conditions have been corrected.
       2. INSTALLATION
          1. Install fixtures level and plumb according to roughing-in drawings. For fixtures indicated for children, install at height required by authorities having jurisdiction.
          2. Set pedestal drinking fountains on floor.
          3. Install recessed and non-recessed drinking fountains secured to wood blocking in wall construction.
          4. Install off-the-floor carrier supports (if required), affixed to building substrate, for wall-mounted fixtures.
          5. Install water-supply piping with shutoff valve on supply to each fixture to be connected to domestic-water distribution piping. Use ball or gate valve. Install valves in locations where they can be easily reached for operation. Valves are specified in Section 220523.12 "Ball Valves for Plumbing Piping" and Section 220523.15 "Gate Valves for Plumbing Piping."
          6. Install trap and waste piping on drain outlet of each fixture to be connected to sanitary drainage system.
          7. Install wall flanges or escutcheons at piping wall penetrations in exposed, finished locations. Use deep-pattern escutcheons where required to conceal protruding fittings. Comply with escutcheon requirements specified in Section 220518 "Escutcheons for Plumbing Piping."
          8. Seal joints between fixtures and walls using sanitary-type, one-part, mildew-resistant, silicone sealant. Match sealant color to fixture color. Comply with sealant requirements specified in Section 079200 "Joint Sealants."
       3. CONNECTIONS

Coordinate piping installations and specialty arrangements with Drawings and with requirements specified in piping systems. If Drawings are explicit enough, these requirements may be reduced or omitted.

* + - * 1. Connect fixtures with water supplies, stops, and risers, and with traps, soil, waste, and vent piping. Use size fittings required to match fixtures.
        2. Comply with water piping requirements specified in Section 221116 "Domestic Water Piping."
        3. Install ball or gate shutoff valve on water supply to each fixture. Comply with valve requirements specified in Section 220523.12 "Ball Valves for Plumbing Piping" and Section 220523.15 "Gate Valves for Plumbing Piping."
        4. Comply with soil and waste piping requirements specified in Section 221316 "Sanitary Waste and Vent Piping."
      1. ADJUSTING
         1. Adjust fixture flow regulators for proper flow and stream height.
      2. CLEANING
         1. After installing fixtures, inspect unit. Remove paint splatters and other spots, dirt, and debris. Repair damaged finish to match original finish.
         2. Clean fixtures, on completion of installation, according to manufacturer's written instructions.
         3. Provide protective covering for installed fixtures.
         4. Do not allow use of fixtures for temporary facilities unless approved in writing by Owner.

END OF SECTION 224713