

SECTION 131223 - WATER FEATURES

PART 1 GENERAL

1.01 RELATED DOCUMENTS

- A. Division 00 - Procurement and Contracting Requirements, and Division 01 – General requirements, are hereby made part of this Section.

1.02 SECTION INCLUDES

- A. water features.

1.03 REFERENCE STANDARDS

- A. NEMA MG 1 - Motors and Generators; National Electrical Manufacturers Association; 2006.
- B. NFPA 70 - National Electrical Code; National Fire Protection Association; 2008.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordination: Coordinate the installation of the water feature with size, location and installation of service utilities.
- B. Pre-installation Meeting: Conduct a pre-installation meeting one week prior to the start of the work of this section; require attendance by all affected installers.

1.05 SUBMITTALS

- A. See Section 01 33 23 - Shop Drawings, Product Data and Samples, for submittal procedures.
- B. Product Data: Provide manufacturer's specifications for fabrication and installation, including data substantiating products comply with requirements.
- C. Component Drawings: For fabrication and installation of water features.
 - 1. Include elevations, plan, and section, including installation information, reinforcement, interface with adjacent materials and location and placement of remote components.
- D. Samples: Submit samples as required.
- E. Manufacturer's Qualification Statement.

1.06 QUALITY ASSURANCE

- A. Single Source Responsibility: Obtain operable fountain and accessories from one source from a single water feature manufacturer.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Comply with manufacturer's instructions and recommendations for delivery, shipping and handling.

PART 2 PRODUCTS

2.01 REVEAL 7 PROFESSIONAL WATER FEATURE SYSTEM

- A. Basis of Design Manufacturer: **Origin Falls, Inc.** Reveal 7 Professional Water Feature Systems.
- B. Components: Provide complete interior water feature including the following components:
 - 1. Reverse Osmosis Water Purification System
 - 2. Ozone Generator.
 - 3. Automatic drain pump system.
 - 4. Pumps: Manufacturer's recommended pumps based on size of installation.
 - 5. Upper Basin: Stainless Steel. One-piece with integral manifold and welded FNPT fittings.
 - 6. Lower Basin: Stainless Steel. One-piece with internal plumbing and welded FNPT fittings Finish: linear brush all top surface areas including both sides of removable tray.
 - 7. Removable stainless steel cover / tray at lower basin.
 - 8. Automatic float assembly.
 - 9. Underwater sealants as required.
 - 10. Industrial grade waterproofing membrane. (Reveal 7 Pro tile standard systems)
 - 11. All accessories and fasteners necessary for connecting water feature components to buildings, plumbing and electrical.
 - 12. Glass: ½" fully tempered with all edges flat polished. (Reveal 7 Pro glass systems)

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine substrate and conditions under which interior water feature is to be installed.
 - 1. Notify General Contractor in writing of conditions detrimental to proper and timely completion of work.
 - 2. Do not proceed with work until unsatisfactory conditions have been corrected in an acceptable manner.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install work level, plumb, true and straight with no distortion. Shim as required using concealed shims. Install to a tolerance of 1/8 inch in 8'-0" for plumb and level.
- C. Provide complete installation with no exposed fasteners in public areas.

3.03 SYSTEM STARTUP

- A. Prepare and start equipment and systems in accordance with manufacturers' instructions and recommendations.
- B. Adjust for proper operation within manufacturer's published tolerances.

3.04 CLOSEOUT ACTIVITIES

- A. See Section - Closeout Submittals, for closeout submittals.
- B. Training: Train Owner's personnel on operation and maintenance of system.
 - 1. Use operation and maintenance manual as training reference, supplemented with additional training materials as required.

3.05 CLEANING AND PROTECTION

- A. Clean exposed and semi-exposed surfaces. Clean inside of basin of construction debris.
- B. Touch up exposed finishes and restore damaged or soiled areas.
- C. Protect installed water feature from subsequent construction operations.

END OF SECTION

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