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.

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


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.
   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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