SECTION 10900

MISCELLANEOUS SPECIALTIES

PART 1 - GENERAL

1.01 DESCRIPTION

A. This Section describes the requirements for furnishing and installing the following miscellaneous specialty items:

1. Stainless steel exam tables.
2. T-Kennel components where noted on plans.
3. Phenolic folding seats in shower rooms.
4. Stainless Steel Shelf at Hand Sanitizers.
5. Removable blackout panels at Classroom doors.
6. Water filtration system on reclaimed water.

B. Related Sections:

1. Owner-furnished and –installed cat cages and Owner-furnished, Contractor-Installed dog kennels are specified in Section 11001.
2. Plumbing fixtures are specified in Division 15.

1.02 SUBMITTALS

A. Product Data: Manufacturer's literature, including product description, illustrations, specifications, installation drawings, and utility and mounting rough-in information.

B. Shop Drawings: Show dimensions, required clearances, location, mounting, finish and where required, size, location, and capacity of mechanical and electrical services.

1.03 PRODUCT DELIVERY, STORAGE, AND HANDLING

A. Deliver, store, and handle products upright and in accordance with the manufacturer's instructions.

B. Protect items as required to prevent damage during storage and construction.

PART 2 - PRODUCTS

2.01 STAINLESS STEEL EXAM TABLES

A. Approved Manufacturer: Shore-Line Product #903.1030.00 or approved equal.

B. Size: 22-inches wide x 46-inches long.

C. Features:

1. One-piece top, die-formed with perimeter groove to prevent runoff; smooth rounded corners.

2. 11-inch wide x 15-1/2-inch long x 4-1/4-inch high stainless steel drawer suspended under the table on the wall side.

2.02 T-KENNEL COMPONENTS

A. Approved Manufacturer: T Kennel Systems or approved equal.

B. Drain Covers: 16-gauge stainless steel spanning the width of the kennel preventing contact with the drain system. A 1-1/2-inch space between floor and drain cover allows flushing debris into the trench.

C. Provide gates, guillotine doors and counterweight mechanism, and additional components as required for a complete installation.

2.03 PHENOLIC FOLDING SEATS

A. Approved Manufacturer: Bobrick B-5171 / B-5181 or approved equal.

B. Frame: Type 304 satin finish stainless steel, 16-gauge, 1-1/4-inch square tubing and 18-gauge, 1-inch diameter seamless tubing.

C. Seat: One-piece, ½-inch thick, water-resistant, ivory colored solid phenolic with black edge.

D. Clearance between back of folding seat and wall shall be 1-1/2-inch to comply with ADA Accessibility Guidelines (ADAAG).

E. Seat supports shall not come into contact with floor.

F. Seat shall be able to lock in upright position when not in use.

G. Seat shall be attached by two 3-inch diameter Type 304, 3/16-inch thick stainless steel mounting flanges with satin finish.

2.04 STAINLESS STEEL SHELF AT HAND SANITIZERS

A. Material: 20 GA stainless steel #4 finish.

B. Locate under each Hand Sanitizer as indicated.

C. Install with stainless steel flat head counter sunk screws. Finish all edges so as to avoid sharp corners.

2.05 REMOVABLE BLACKOUT PANELS AT CLASSROOM DOORS

A. Blackout Panels: 10 mm thick black corrugated plastic board, cut to fit glass lite sizes.

B. Clips: Provide clips around head, jambs and sill of glass opening. Space as required to hold blackout panels in place.

2.06 WATER FILTRATION SYSTEM AT RECLAIMED WATER

A. Approved Manufacturer: Trinity Improvement Services LLC "Simple Solutions" or approved equal.

B. Features: Proprietary series of embedded magnetic array configurations, consisting of multiple individual magnets. The magnetic configurations result in the creation of two distinct, manipulated magnetic flux fields with containment chambers of the area of water flow.

1. Field Chamber One: Pole-dominant, induced "disruptive" field, which is desigbned to break passive, covalent hydrogen bonding between water molecules. The unit is designed with a 90-degree T joint immediately inside the inlet connection, with two disruptive field chambers mounted on each water line, to increase dwell time and treat 100-percent of the process water. The water lines are re-joined before entering chamber two.

2. Field Chamber Two: Mono-polar, induced "ordered" field, designed to creat uniform molecular alignment.

C. The water filtration system result in the following:

1. Removal of calcium build-up and caking.

2. Neutralization of pH.

3. Reduction in surface tension.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Set specialty items securely in place, rigidly or flexibly mounted in accordance with manufacturer's directions.

B. Touch-up and restore damaged or defaced finishes.

3.02 ADJUSTMENT, CLEANING, AND PROTECTION

A. Repair or replace items not acceptable to the Architect.

B. Upon completion of installation, clean items in accordance with manufacturer's recommendations, and protect from damage until final acceptance of work.

END OF SECTION

SECTION 10992

MISTING SYSTEM

PART 1 - GENERAL

1.01 DESCRIPTION

A. This Section describes the requirements for designing, furnishing, and installing a misting system, on a design/build basis, including high pressure fogging pumps, booster pumps if required, filters, tubing, nozzles, fittings, drain valves, installation clamps and all accessories required for a complete installation.

B. Related Sections:

1. Water supply is specified in Division 15.

2. Electrical system and wiring are specified in Division 16.

1.02 SUBMITTALS

A. Product Data: Manufacturer's information on proprietary products.

B. Design/Build Shop Drawings: Include dimensioned plans, elevations, and other information and details required for coordinated installation. Indicate materials, finishes and joinery methods.

1.03 QUALITY ASSURANCE

A. Installer's Qualifications: A minimum of 3-years experience designing and installing misting systems, and a minimum of 5 installations of a magnitude similar to or larger than the work of this Section.

1.04 PRODUCT DELIVERY, STORAGE, AND HANDLING

A. Protect materials during transit, delivery, storage and handling to prevent damage, soiling and deterioration.

B. Store materials in accordance with manufacturer's directions and under cover to prevent damage or contamination.

PART 2 - PRODUCTS

2.01 APPROVED MANUFACTURERS

A. Rapid Cool or approved equal.

2.02 MATERIALS

A. High Pressure Fogging Pumps: Belt-driven or direct drive as recommended by manufacturer, 1,000-psi maximum pressure, size as recommended by manufacturer based on number of nozzles provided. Pump shall have an enclosed vented cover, low noise level, adjustable pressure regulator with by-pass, on/off switch and oil drain line.

B. High Pressure Tubing: Stainless steel, outside diameter as recommended by manufacturer.

C. Fittings: Provide nozzle adapters, elbows, tees, couplings, caps, adapters and straps as required for a complete installation.

1. Fittings for use with stainless steel tubing shall be brass or stainless steel compression type.

D. Nozzles: Fine atomization type with stainless steel core, O-ring seal, hand tightened. Nozzles shall be brass and stainless steel or stainless steel. Flow rates as recommended by manufacturer to provide proper coverage and misting effect. Provide one per kennel; total of 56.

E. Filter: Cartridge type, size as recommended by manufacturer.

F. Accessories: Provide high pressure solenoid valves, electric drain valve, programmable timers, thermostats, low water safety switch, pressure gauges, pump pads, adapters, valves, cushion clamps and other accessories required for a complete operating system.

PART 3 - EXECUTION

3.01 PREPARATION

A. Prior to commencing work, protect adjoining surfaces.

B. Grounds, anchors, plugs, hangers, and mechanical and electrical work in or behind tile in the completed work shall be installed prior to the installation of tile.

C. Coordinate installation of misting system with related work.

3.02 INSTALLATION

A. General: Comply with reviewed shop drawings and manufacturer's recommendations for installation of misting system, including all materials, controls and accessories.

3.03 CLEANING AND ADJUSTMENT

A. Clean surfaces after installation as recommended by manufacturer.

B. Operate equipment through all modes of operation and make adjustments necessary to ensure proper operation and mist coverage acceptable to the Owner and Architect.

END OF SECTION