

## SECTION 104000 – EDUCATIONAL PLAQUES

### PART 1. GENERAL

#### 1.1 RELATED WORK

- A. Historical Plaques.

#### 1.2 REFERENCES (INCLUDING BUT NOT LIMITED TO)

- A. ANSI A117- 1986 Specifications for Making Buildings and Facilities Accessible to and Usable by Physically Handicapped People.
- B. UBC - Chapters 5 and 33 Requirements for Handicapped.
- C. ADA, Accessibility Guidelines for Buildings and Facilities, Federal Register Volume 56, Number 144, Rules and Regulations.

#### 1.3 QUALITY ASSURANCE

- A. Manufacturers
  - 1. Fossil Industries, Inc., iZone Imaging, or Pre-Approved Equal
- B. Regulatory Requirements
  - 1. Signs shall meet the requirements of the American Disabilities Act, Title III. Documentation and samples to be provided to architect.

#### 1.4 SUBMITTALS

- A. Comply with requirements of Section regarding submittals.
- B. Manufacturer's Data
  - 1. Provide required number copies of:
    - a. Product data sheets.
    - b. Installation instructions.
    - c. Service and parts manual.

#### 1.5 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. Deliver items in manufacturer's original unopened protective packaging.
- B. Store materials in original protective packaging to prevent physical damage or wetting.

- C. Handle so as to prevent damage to accessories.

## 1.6 WARRANTY

- A. Furnish one year guarantee against defects in material and workmanship on all accessories.

## PART 2. PRODUCTS

### 2.1 PLAQUES & SIGNS

- A. Educational Plaques - 24 " x 20" x 1/2" plaques shall be on galvanized steel pipes as detailed on drawings Sheet 28. Artwork shall be furnished by City of Corpus Christi Parks and Recreation Department.

### 2.2 MATERIALS

- A. Sign Fabrication:
  1. All signs shall be a single piece construction, laminated signs are not permitted.
  2. Tactile characters shall be raised 1/32" from the face, two piece construction is not permitted.
  3. All text shall be accompanied by grade II braille.
  4. Color – letter and background color shall be contrasting colors. Light on dark or dark on light. Architect shall select colors.

## PART 3. EXECUTION

### 3.1 INSPECTION

- A. Carefully inspect each sign before final placement.
- B. Inspect mounting surface to be certain it is clean and free of contaminants and smooth.

### 3.2 INSTALLATION

- A. Install plaques to fabricator's instructions.
- B. Install after all finishing work has been completed.
- C. Plaques are to be level and installed to ADA standard heights.

## SECTION 105000 – ACCESSIBLE BEACH MATS

### PART 1. GENERAL

#### 1.1 RELATED WORK

- A. Accessible Beach Mats.

#### 1.2 REFERENCES (INCLUDING BUT NOT LIMITED TO)

- A. ANSI A117- 1986 Specifications for Making Buildings and Facilities Accessible to and Usable by Physically Handicapped People.
- B. UBC - Chapters 5 and 33 Requirements for Handicapped.
- C. ADA, Accessibility Guidelines for Buildings and Facilities, Federal Register Volume 56, Number 144, Rules and Regulations.

#### 1.3 QUALITY ASSURANCE

- A. Manufacturers
  - 1. Deschamps Mat Systems, Mobi-Mat® RecPath
- B. Regulatory Requirements
  - 1. Materials shall be accessible via wheelchair, beach access chair, walker, stroller, or other wheeled pedestrian assistance vehicles.

#### 1.4 SUBMITTALS

- A. SAMPLES
  - An 8" X 11" material sample must be submitted
  - These samples shall be representative of the actual product with appropriate materials as specified.
- B. Manufacturer's Data
  - 1. Provide required number copies of:
    - a. Product data sheets.
    - b. Installation instructions.
    - c. Service and parts manual.

#### 1.5 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. Deliver items in manufacturer's original unopened protective packaging.

- B. Store materials in original protective packaging to prevent physical damage or wetting.
- C. Handle so as to prevent damage to accessories.

## 1.6 WARRANTY

- A. Furnish one year guarantee against defects in material and workmanship on all accessories.

## PART 2. PRODUCTS

### 2.1 ACCESSIBLE BEACH MATS

- A. Accessible Beach Mats: Three 78" x 50'-0" mats.

### 2.2 MATERIALS

- A. **MATERIAL: MATTING MATERIAL:**  
All matting materials shall be manufactured of 100% polyester filament. The material shall be woven into a three dimensional structure to provide stability on unstable surfaces such as sand. The material shall also include a flat blue / brown filament woven into the surface of the mat to insure comfort on in the case of bare foot usage. The edges of the matting shall be flat to accommodate the anchoring devices required for installation. Wood products and those which use common fasteners, such as nails or screws, shall not be acceptable.
- B. **TECHNICAL CHARACTERISTICS:**  
Weight 0.37 lbs. per square foot, Composition 100% Polyester  
Tensile Strength (warp direction) minimum 46 tons. Elongation at break % 21%, Compression 12 Mpa
- C. **CHEMICAL PROPERTIES:**  
Moisture regain 20°C -65% HR Acid, Alkali, Solvent resistance Good UV and weather resistance Good Micro-Organism resistance Excellent Urea and liquid manure resistance
- D. **THERMAL PROPERTIES:**  
Useable Temperature -140°F(-40°C)/176°F (+80°C) Softening Temperature 428°F (220°C) Melting Temperature 500°F (260°C) Degradation Temperature 572°F (300°C)\ Combustion behavior Mats stops burning slowly as flame is taken away.

**E. OTHER PRODUCT FEATURES:**

**1. GROMMETS:**

Metal grommets shall be provided at the ends of the matting material to facilitate the connection of subsequent rolls of material in order to extend the access pathway and for anchoring the material at either end of the pathway. Grommet size shall be one half inch and shall be manufactured of stainless steel. The six stainless steel grommets will be located at both extremities.

**2. ANCHORS/STAPLES:**

Anchors shall be provided to facilitate the installation of the access pathway. These anchors/staples shall be manufactured from bichromated 3/8" steel rod which will extend approximately 19" into the sub-surface.

**3. CONNECTORS:** Connectors shall be provided at the extremities of the matting material to facilitate connection between two mats. The connectors shall be manufactured of a plastic fabric; in addition, they should be preholed to facilitate the installation using the staples.

**F. Sign Fabrication:**

All components shall arrive fully factory fabricated and ready for installation.

**PART 3. EXECUTION**

**3.1 INSPECTION**

- A. Carefully inspect each site final to placement.
- B. Inspect surface to be certain it is clean and free of contaminants and smooth.

**3.2 INSTALLATION**

- A. Install mats to fabricator's instructions.
- B. Install after all finishing work has been completed.
- C. Mats are to be level and installed to ADA standards.

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## SECTION 106000 – TABLES & BENCHES

### PART 1. GENERAL

#### 1.1 RELATED WORK

- A. Surface mounting to secure to concrete benches.

#### 1.2 REFERENCES (INCLUDING BUT NOT LIMITED TO)

- A. ANSI A117- 1986 Specifications for Making Buildings and Facilities Accessible to and Usable by Physically Handicapped People.
- B. UBC - Chapters 5 and 33 Requirements for Handicapped.
- C. ADA, Accessibility Guidelines for Buildings and Facilities, Federal Register Volume 56, Number 144, Rules and Regulations.
- D. American Society for Testing & Material
  - 1. ASTM C33
  - 2. ASTM C150
  - 3. ASTM C31

#### 1.3 MATERIALS

- A. Portland Cement: ASTM C150 specifications for Portland Cement.
- B. Aggregates: All aggregates to meet ASTM C33 specifications, to be cleaned of foreign matter and properly graded to size.
- C. Coloring: Pigments used shall be inorganic, resistant to alkalinity and used as per manufacturers recommendations.
- D. Reinforcing Steel: All reinforcing steel shall be epoxy coated.

#### 1.4 SUBMITTALS

- A. Submit product data, shop drawings and samples.
  - 1. Product Data: Manufacturer's specifications and technical data edited specifically for proposed system, including the following specific information:
    - a. Detailed specification of construction fabrication.
    - b. Manufacturer's installation instructions
    - c. Maintenance literature
    - d. Product warranty

2. Shop Drawings: Indicate pertinent dimensions, general construction, component connections anchoring methods, hardware and installation procedures.
3. Provide color samples to Architect.

#### 1.5 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. Deliver items in manufacturer's original unopened protective packaging.
- B. Store materials in original protective packaging to prevent physical damage or wetting.
- C. Handle so as to prevent damage to accessories.

#### 1.6 WARRANTY

- A. Furnish one year guarantee against defects in material and workmanship on all accessories.
- B. Manufacturer shall submit a written warranty for precast products for the period of two years upon acceptance of products.

### PART 2. PRODUCTS

#### 2.1 BENCHES

- A. Acceptable manufacturer for Precast Concrete Tables and Benches:  
Wausau Tile, Inc. Site Furnishings Division. No. TF5028  
P.O. Box 1520 Wausau, WI 54402-1520.  
(800) 388-8728 (715) 359-3121 FAX (715) 355-4627
- B. Tables & Benches
  1. Benches – Wausau Tile No. TF 5028 or approved equal (7 total)
  2. Table with Benches – Wausau Tile No. TF 3225 or approved equal (7 total - Additive Alternate No. A2).

### PART 3. EXECUTION

#### 3.1 INSPECTION

- A. Check wall for plumbness and floors for levelness that would affect installation of benches.

### 3.2 INSTALLATION

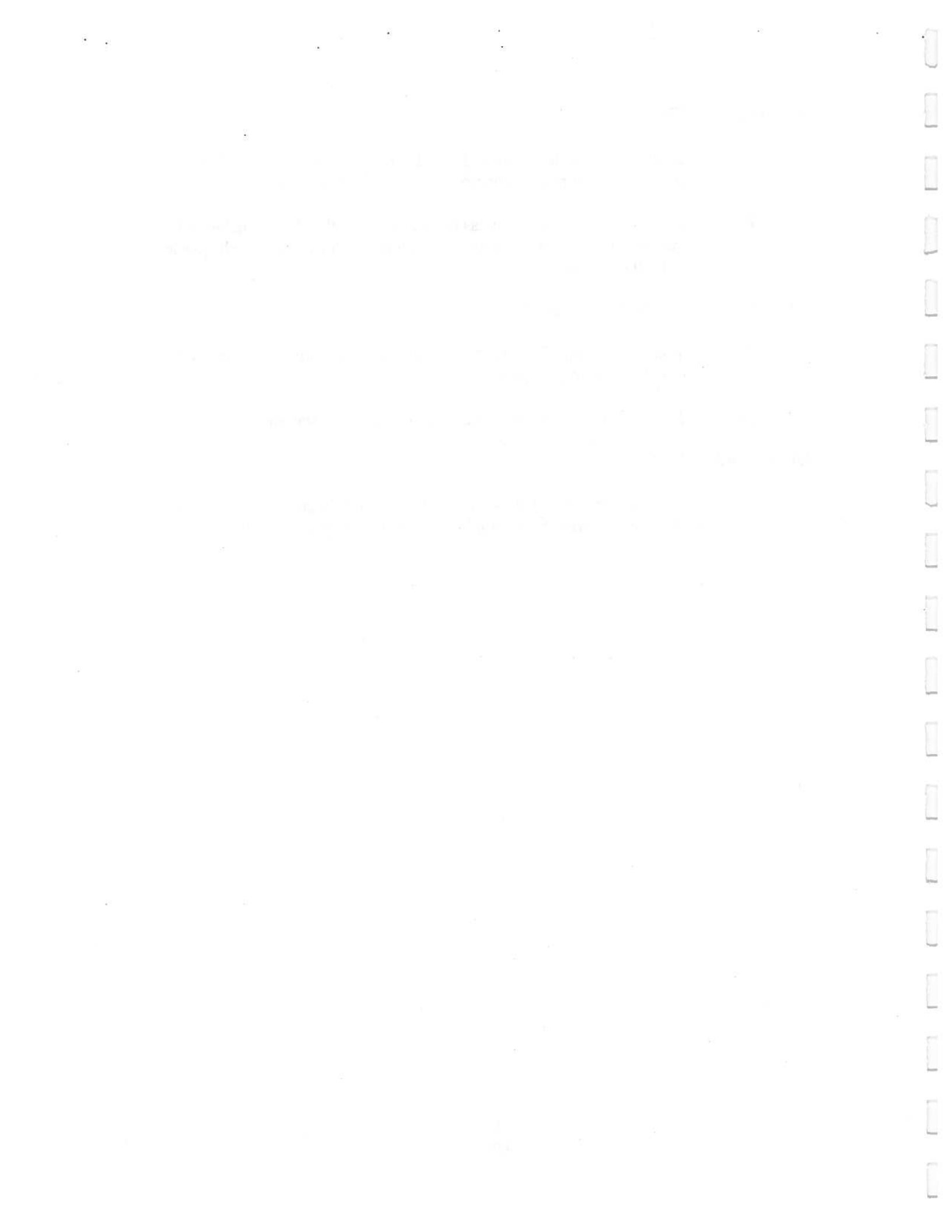
- A. Install benches at locations indicated, straight, plumb and level and in accordance with manufacturer's installation instructions.
- B. Install items with 5/8" stainless bolts into 4" Redhead" expansion bolt anchoring devices. Anchor units to concrete surface with 2 bolts per leg or a total of 4 bolts.

### 3.3 ADJUSTMENT AND CLEANING

- A. Upon completion of the work, or when directed, remove all traces of protective coatings or paper.
- B. Clean and polish exposed surfaces prior to final installation.

### 3.4 WARRANTY

- A. Bench manufacturer shall warranty the bench for a period of one year. Full warranty terms to be supplied to purchasing party in writing.



## SECTION 108000 -- DRINKING FOUNTAIN

### PART 1. GENERAL

#### 1.1 RELATED WORK

- A. Landscape and Irrigation.

#### 1.2 REFERENCES (INCLUDING BUT NOT LIMITED TO)

- A. ANSI A117- 1986 Specifications for Making Buildings and Facilities Accessible to and Usable by Physically Handicapped People.
- B. UBC - Chapters 5 and 33 Requirements for Handicapped.
- C. ADA, Accessibility Guidelines for Buildings and Facilities, Federal Register Volume 56, Number 144, Rules and Regulations.
- D. American Society for Testing & Material
  - 1. ASTM C33
  - 2. ASTM C150
  - 3. ASTM C31

#### 1.3 MATERIALS

- A. Water Fountain Pedestal - aggregate faced with "Sierra Stone"
- B. Coloring: Brown Stone Aggregate finish

#### 1.4 SUBMITTALS

- A. Submit product data, shop drawings and samples.
  - 1. Product Data: Manufacturer's specifications and technical data edited specifically for proposed system, including the following specific information:
    - a. Detailed specification of construction fabrication.
    - b. Manufacturer's installation instructions
    - c. Maintenance literature
    - d. Product warranty
  - 2. Shop Drawings: Indicate pertinent dimensions, general construction, component connections anchoring methods, hardware and installation procedures.
  - 3. Provide color samples to Architect.

## 1.5 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. Deliver items in manufacturer's original unopened protective packaging.
- B. Store materials in original protective packaging to prevent physical damage or wetting.
- C. Handle so as to prevent damage to accessories.

## 1.6 WARRANTY

- A. Furnish one year guarantee against defects in material and workmanship on all accessories.
- B. Manufacturer shall submit a written warranty for products for the period of two years upon acceptance of products.

## PART 2. PRODUCTS

### 2.1 Drink Fountains

- A. Acceptable manufacturer for Drinking Fountain: Halsey Taylor' , 222 Camden Court, Oak Brook, IL 60523, Voice: 630-574-3500, Fax: 630-574-3503.
- B. Drinkin Fountain:
  - 1. Halsey Taylor #4590, ADA Approved Drinking Fountain with Aggregate Finish

## PART 3. EXECUTION

### 3.1 INSPECTION

- A. Check wall for plumbness and mounting surfaces for levelness that would affect installation of drinking fountain.

### 3.2 INSTALLATION

- A. Install drinking fountains at locations indicated, straight, plumb and level and in accordance with manufacturer's installation instructions.

- B. Install items with 5/8" stainless bolts into 4" Redhead" expansion bolt anchoring devices. Anchor units to concrete surface with 4 bolts.
- C. See Irrigation Sheet for location of water source to connect to.

### 3.3 ADJUSTMENT AND CLEANING

- A. Upon completion of the work, or when directed, remove all traces of protective coatings or paper.
- B. Clean and polish exposed surfaces prior to final installation.

### 3.4 WARRANTY

- A. Drink Fountain manufacturer shall warranty the drink fountain for a period of two years. Full warranty terms to be supplied to purchasing party in writing.

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