

**SECTION 10 21 16**  
**SHOWER AND DRESSING COMPARTMENTS**

**PART 1 - GENERAL**

**1.1 SUMMARY**

- A. Section Includes:
1. Prefabricated shower Unit.

**1.2 RELATED REQUIREMENTS**

- A. Color of Shower Unit: Standard per manufacturer.

**1.3 APPLICABLE PUBLICATIONS**

- A. Comply with references to extent specified in this section.
- B. American Society of Mechanical Engineers (ASME):
1. A112.18.1-2012 - Plumbing Supply Fittings.
- C. Code of Federal Regulations (CFR):
1. 40 CFR 247 - Comprehensive Procurement Guidelines for Products Containing Recovered Materials.

**1.4 SUBMITTALS**

- A. Submittal Procedures: Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- B. Manufacturer's Literature and Data:
1. Description of each product.
  2. Installation instructions.
  3. Warranty.
  4. Recycled Content: Identify post-consumer and pre-consumer recycled content percentage by weight.
- C. Certificates: Certify each product complies with specifications.
1. Shower Unit.
  2. Flame spread rating is Class C for plastic shower units.
- D. Qualifications: Substantiate qualifications comply with specifications.
1. Manufacturer // with project experience list //.
- E. Operation and Maintenance Data:
1. Care instructions for each exposed finish product.

**1.5 QUALITY ASSURANCE**

- A. Manufacturer Qualifications:
1. Regularly manufactures specified products.

**1.6 DELIVERY**

- A. Deliver products in manufacturer's original sealed packaging.

- B. Mark packaging, legibly. Indicate manufacturer's name or brand, type, color, production run number, and manufacture date.
- C. Before installation, return or dispose of products within distorted, damaged, or opened packaging.

**1.7 STORAGE AND HANDLING**

- A. Store products indoors in dry, weathertight facility.
- B. Protect products from damage during handling and construction operations.

**1.8 FIELD CONDITIONS**

- A. Environment:
  - 1. Product Temperature: Minimum 21 degrees C (70 degrees F) for minimum 48 hours before installation.
  - 2. Work Area Ambient Conditions: HVAC systems are complete, operational, and maintaining facility design operating conditions continuously, beginning 48 hours before installation until Government occupancy.
  - 3. Install products when building is permanently enclosed and when wet construction is completed, dried, and cured.
- B. Field Measurements: Verify field conditions affecting compartments fabrication and installation. Show field measurements on Submittal Drawings.
  - 1. Coordinate field measurement and fabrication schedule to avoid delay.

**1.9 WARRANTY**

- A. Construction Warranty: FAR clause 52.246-21, "Warranty of Construction."

**PART 2 - PRODUCTS**

**2.1 MATERIALS**

- A. Plastic Sheet: Solid plastic similar to Vikrell (Sterling product).

**2.2 PRODUCTS - GENERAL**

- A. Basis of Design: Sterling "Accord" shower, standard shower #72270100. White Color.
- B. Provide system components from one manufacturer.
- C. Sustainable Construction Requirements:

1. Low Pollutant-Emitting Materials: Comply with VOC limits specified in Section 01 81 13, SUSTAINABLE CONSTRUCTION REQUIREMENTS for the following products:
  - a. Non-flooring adhesives and sealants.
  - b. Aerosol adhesives.
  - c. Paints and coatings.

### **2.3 SHOWER UNITS**

- A. Materials: Single plastic unit complete.
  1. Maximum Surface Burning Characteristics: ASTM E84.
    - a. Flame Spread Index: Class C
    - b. Smoke Developed Index: 450.
  2. Size: 36"w x 60"l x 77"h.
  3. Accessories: Chromium plated or corrosion-resisting steel.
    - a. Curtain rod.
    - b. Soap dish - integral.
  4. Plastic shower units shall have a Class C flame spread rating.
  5. Color and Patterns: Standard White.

### **2.4 ACCESSORIES**

- A. Fasteners: Stainless steel.

## **PART 3 - EXECUTION**

### **3.1 INSTALLATION - GENERAL**

- A. Install products according to manufacturer's instructions.
  1. When manufacturer's instructions deviate from specifications, submit proposed resolution for Contracting Officer's Representative consideration.
- B. Install shower units in rigid, substantial manner, straight, plumb and with horizontal lines level. Provide hex-bolts for through-bolt fastening. Conceal evidence of drilling, cutting, and fitting in finish work. Clean finished surfaces and leave free of imperfections.
- C. Shower Units: Make connections to water supplies and drains watertight. When mounted in wall recesses, caulk joint between cabinet and adjacent wall construction.

### **3.2 CLEANING**

- A. Clean exposed compartment surfaces. Remove contaminants and stains.

**3.3 PROTECTION**

- A. Remove protective materials immediately before acceptance.
- B. Repair damage.

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