

## **SECTION 09 6816**

### **SHEET CARPET**

#### **PART 1 GENERAL**

##### **1.1 SUMMARY**

- A. Work of this Section consists of carpet, and includes but is not limited to the following:
  - 1. Furnishing and installation of carpeting at floors, where scheduled.
- B. Related Documents and Sections: Examine Contract Documents for requirements that directly affect or are affected by Work of this Section. A list of those Documents and Sections include, but is not limited to the following:
  - 1. General provisions of the Contract, including General and Supplementary Conditions, and Division 01 General Requirements Specification Sections.
  - 2. Section 03 3000 - CAST-IN-PLACE CONCRETE.
  - 3. Section 09 6400 - WOOD FLOORING.

##### **1.2 SUBMITTALS**

- A. Product Data: For the following, including installation recommendations for each type of substrate:
  - 1. Carpet: For each type indicated. Include manufacturer's written data on physical characteristics, durability, and fade resistance.
  - 2. Carpet Cushion: For each type indicated. Include manufacturer's written data on physical characteristics and durability.
- B. Samples: For each of the following products and for each color and texture required. Label each Sample with manufacturer's name, material description, color, pattern, and designation indicated on Drawings and in schedules.
  - 1. Carpet: 12 in. square Sample.
  - 2. Exposed Edge, Transition, and other Accessory Stripping: 12 in. long Samples.
  - 3. Underlay: 6 in. square Sample.
  - 4. Carpet Seam: 6 in. Sample.
- C. Product Schedule: For carpet and carpet underlay. Use same designations indicated on Drawings.

##### **1.3 QUALITY ASSURANCE**

- A. Source Limitations:
  - 1. Obtain each different type of carpet from a single manufacturer, within a single production run.
- B. Benchmarks: Provide benchmark installations to verify final selections made under sample submittals and prototypes, to demonstrate aesthetic effects and set quality standards for materials and execution.
  - 1. First 100 s.f. of each type of carpeting in location to be agreed.

#### 1.4 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials and products in unopened factory labeled packages. Store and handle in strict compliance with manufacturer's instructions and recommendations. Protect from damage, moisture and direct sunlight. Sequence deliveries to avoid delays, but minimize on-site storage.
  - 1. Manufacturers, fabricators, suppliers and shippers shall provide least amount of packaging that adequately and properly protects, supports and contains the items shipped, and is reusable, returnable or recyclable.

### PART 2 PRODUCTS

#### 2.1 GENERAL

- A. Flammability and Acceptability: Carpeting and installation materials, when installed, shall conform to U.L. Class A Fire Hazard Classification (flame spread less than 25) when tested under ASTM E 84. Carpet shall have been tested in accordance with ASTM E648 for critical radiant flux and shall meet or exceed the requirements proposed by the National Bureau of Standards for Health Care and Commercial Occupancies. In addition, carpeting shall comply with the following tests:
  - 1. DOC-FF-1-70 Methanamine Pill Test: Passes
  - 2. Flooring Radiant Panel: Meets NFPA Class I when tested under ASTM E 648, glue down
  - 3. NBS Smoke Chamber, NFPA 258: Less than 450 Flaming Mode

#### 2.2 CARPET

- A. Carpet: Refer to Section 09 0600.

#### 2.3 INSTALLATION MATERIALS

- A. Installation materials shall conform with the quality, function and substance of the products listed below, subject to Construction Manager's approval.
- B. Adhesives: Water-resistant, mildew-resistant, non-staining, low-VOC type to suit products and subfloor conditions indicated, to meet or exceed the VOC limits of South Coast Air Quality Management District Rule No. 1168, and to comply with flammability requirements for installed carpet as recommended by the following:
  - 1. Carpet manufacturer.
  - 2. Carpet cushion manufacturer.
  - 3. Resilient base manufacturer.
- C. Tackless Carpet Stripping: Water-resistant plywood in strips as required to match cushion thickness and in compliance with CRI 104, 11.3.
- D. Seaming Cement: Hot-melt adhesive tape or similar product recommended by carpet manufacturer for taping seams and butting cut edges at backing to form secure seams and to prevent pile loss at seams. Provide products that meet or exceed the VOC limits of South Coast Air Quality Management District Rule No. 1168.
- E. Edging: Tackless carpet gripper, as recommended by manufacturer, smooth edge, equal to products of Roberts Consolidated Industries.
- F. Accessories:
  - 1. Tape: Contract type, heat-bond tape, as recommended by carpet manufacturer.

## **PART 3 EXECUTION**

### **3.1 PROJECT CONDITIONS**

- A. Comply with CRI 104, Section 7.2, "Site Conditions; Temperature and Humidity" and Section 7.12, "Ventilation."
- B. Environmental Limitations: Do not install carpet and carpet cushion until wet work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.
- C. Do not install carpet and carpet cushion over concrete slabs until slabs have cured, are sufficiently dry to bond with adhesive, and have pH range recommended by carpet manufacturer.
- D. Where demountable partitions or other items are indicated for installation on top of carpet, install carpet before installing these items.

### **3.2 EXAMINATION**

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for maximum moisture content, alkalinity range, installation tolerances, and other conditions affecting carpet performance. Examine carpet for type, color, pattern, and potential defects.

### **3.3 PREPARATION**

- A. General: Comply with CRI 104, Section 7.3, "Site Conditions; Floor Preparation," and with carpet manufacturer's written installation instructions for preparing substrates.
- B. Broom and vacuum clean substrates to be covered immediately before installing carpet.

### **3.4 INSTALLATION**

- A. Comply with CRI 104 and carpet and carpet cushion manufacturers' written installation instructions for the following:
  - 1. Direct-Glue-Down Installation: Comply with CRI 104, Section 9, "Direct Glue-Down Installation."
  - 2. Double-Glue-Down Installation: Comply with CRI 104, Section 10, "Double Glue-Down Installation."
- B. Comply with carpet manufacturer's written recommendations and Shop Drawings for seam locations and direction of carpet; maintain uniformity of carpet direction and lay of pile. At doorways, center seams under the door in closed position.
- C. Cut and fit carpet to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended by carpet manufacturer.
- D. Extend carpet into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.
- E. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on finish flooring as marked on subfloor. Use nonpermanent, non-staining marking device.

- F. Install pattern parallel to walls and borders to comply with CRI 104, Section 15, "Patterned Carpet Installations" and with carpet manufacturer's written recommendations.

### 3.5 CLEANING AND PROTECTING

- A. Perform the following operations immediately after installing carpet:
  - 1. Remove excess adhesive, seam sealer, and other surface blemishes using cleaner recommended by carpet manufacturer.
  - 2. Remove yarns that protrude from carpet surface.
  - 3. Vacuum carpet using commercial machine with face-beater element.
- B. Protect installed carpet to comply with CRI 104, Section 16, "Protection of Indoor Installations."
- C. Protect carpet against damage from construction operations and placement of equipment and fixtures during the remainder of construction period. Use protection methods indicated or recommended in writing by carpet manufacturer and carpet cushion and adhesive manufacturers.

**END OF SECTION**