

SECTION 096816 – SHEET CARPETING

PART 1 - GENERAL

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Purchase Owner selected carpet, carpet cushion and accessories.
 - 2. Store carpet, carpet cushion and accessories in facility and under conditions as approved by Owner.
 - 3. Installation of carpet and accessories in locations and as scheduled by Owner.

1.3 SUBMITTALS

- A. Product Data for each type of installation accessory specified. Submit methods of installation for each type of substrate.
- B. Shop Drawings showing columns, doorways, enclosing walls or partitions, built-in cabinets, and locations where cutouts are required in carpet. Indicate the following:
 - 1. Carpet type, color, and dye lot.
 - 2. Locations where dye lot changes occur.
 - 3. Seam locations, types, and methods.
 - 4. Type of subfloor.
 - 5. Type of installation.
 - 6. Pattern type, repeat size, location, direction, and starting point.
 - 7. Pile direction.
 - 8. Type of cushion.
 - 9. Type, color, and location of edge, transition, and other accessory strips.
 - 10. Transition details to other flooring materials.
- C. Samples for verification of the following products, in manufacturer's standard sizes, showing the full range of color, texture, and pattern variations expected. Prepare Samples from the same material to be used for the Work. Label each sample with manufacturer's name, material type, color, pattern, and designation indicated on Drawings and carpet schedule. Submit the following:
 - 1. 12-inch square Samples of each type of carpet material required.
 - 2. 12-inch Samples of each type of exposed edge stripping and accessory item.
- D. Schedule of carpet using same room designations indicated on Drawings.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Engage an experienced Installer who is certified by the Floor Covering Installation Board (FCIB), Dalton, Georgia, or who can demonstrate compliance with FCIB certification program requirements.
- B. Single-Source Responsibility: Obtain each type of carpet from one source and by a single manufacturer.
- C. Carpet Fire-Test-Response Characteristics: Provide carpet with the following fire-test-response characteristics as determined by testing identical products per test method indicated below by UL or another testing and inspecting agency acceptable to authorities having jurisdiction. Identify carpet with appropriate markings of applicable testing and inspecting agency.
 - 1. Surface Flammability: Passes CPSC 16 CFR, Part 1630.
 - 2. Flame Spread: 25 or less per ASTM E 84.
 - 3. Smoke Developed: 450 or less per ASTM E 84.
- D. Carpet Cushion Fire-Test-Response Characteristics: Provide carpet cushion with the following fire-test-response characteristics as determined by testing identical products per test method indicated below by UL or another testing and inspecting agency acceptable to authorities having jurisdiction. Identify carpet cushion with appropriate markings of applicable testing and inspecting agency.
 - 1. Surface Flammability: Passes CPSC 16 CFR, Part 1630.
 - 2. Flame Spread: 25 or less per ASTM E 84.
 - 3. Smoke Developed: 450 or less per ASTM E 84.
- E. Mockups: Prior to installing carpet, construct mockups for each type of carpet and installation method required to verify selections made under Sample submittals and to demonstrate aesthetic effects as well as qualities of materials and execution. Install mockups to comply with the following requirements, using materials indicated;
 - 1. Locate mockups on-site in the location and of the size indicated or, if not indicated, as directed by Owner.
 - 2. Notify Owner one week in advance of the dates and times when mockups will be constructed.
 - 3. Demonstrate the proposed range of aesthetic effects and workmanship.
 - 4. Obtain Owner's approval of mockups before start of final unit of Work.
 - 5. Retain and maintain mockups during construction in an undisturbed condition as a standard for judging the completed Work.
 - a. When directed, demolish and remove mockups from Project site.
 - b. Owner approved mockups in an undisturbed condition at the time of Substantial Completion may become part of the completed Work.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. General: Comply with the Carpet and Rug Institute's CRI 104, Section 5: "Storage and Handling."
- B. Store materials in facility approved by Owner. Store materials in original undamaged packages, inside well-ventilated area protected from weather, moisture, soilage, extreme temperatures, and humidity. Lay flat, with continuous blocking off ground. Do not exceed manufacturer's recommendations for number of rolls to be stacked on top of each other.
- C. Deliver materials to Project site in original factory wrappings and containers, labeled with identification of manufacturer, brand name, and lot number. Do not store materials on site for more than one week. Comply with all storage requirements indicated.

1.6 PROJECT CONDITIONS

- A. General: Comply with CRI 104, Section 6: "Site Conditions."
- B. Space Enclosure and Environmental Limitations: Do not install carpet until space is enclosed and weatherproof, wet-work in space is completed and nominally dry, work above ceilings is complete, and ambient temperature and humidity conditions are and will be continuously maintained at values near those indicated for final occupancy.
- C. Subfloor Moisture Conditions: Moisture emission rate of not more than 3 lb/1000 sq. ft./24 hours when tested by calcium chloride moisture test in compliance with CRI 104, 6.2.1, with subfloor temperatures not less than 55 deg F.

1.7 WARRANTY

- A. Special Carpet Warranty: Submit a written warranty executed by carpet manufacturer and Installer agreeing to repair or replace carpet that does not meet requirements or that fails in materials or workmanship within the specified warranty period. Failures include, but are not limited to, more than 10 percent loss of face fiber, edge raveling, snags, runs, and delamination.
- B. Warranty Period: 5 years from date of Substantial Completion.
- C. Special Carpet Cushion Warranty: Submit a written warranty executed by carpet cushion manufacturer and Installer agreeing to repair or replace carpet cushion that does not meet requirements or that fails in materials or workmanship within the specified warranty period. Failures include, but are not limited to, permanent indentation or compression.
- D. Warranty Period: 5 years.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

1. Shaw Contract Carpet. – “Criteria” series 25 oz. nylon – (Reference Product).
2. Armstrong Industries
3. Dupont Stainmaster
4. Mohawk

2.2 CARPET

- A. Products: Subject to compliance with requirements, provide products indicated as Basis of Design:

1. Style: To be selected by the Owner.
2. Color: To be selected by the Owner.
3. Static Control: Life-of-the Carpet Static Protection
4. Flame Resistance: Passes Methenamine Pill Test (DOC-FF-1-70), Class 1.
5. Radiant Panel: Passes Class 1 (ASTM-E648) Critical Radiant Flux $\geq 0.45.W/cm^2$ -Direct Glue.
6. Smoke Density: Dm corrected < 450 (ASTM E662)
7. Warranties: 10 year Abrasive Wear Warranty

- B. Resilient Carpet Accessories: To be selected by the Owner.

2.3 CARPET CUSHION

- A. Products: Subject to compliance with requirements, provide minimum 5 lb rated rebound pad materials recommended by selected carpet manufacturer.

2.4 INSTALLATION ACCESSORIES

- A. Concrete-Slab Primer: Nonstaining type as recommended by the following:

1. Carpet manufacturer.
2. Carpet cushion manufacturer.

- B. Trowelable Underlayments and Patching Compounds: As recommended by the following:

1. Carpet manufacturer.
2. Carpet cushion manufacturer.

- C. Adhesives: Water-resistant, mildew-resistant, nonstaining type to suit products and subfloor conditions indicated and to comply with flammability requirements for installed carpet as recommended by the following:

1. Carpet manufacturer.
2. Carpet cushion manufacturer.

- D. Tackless Carpet Stripping: Water-resistant plywood in strips as required to match cushion thickness and in compliance with CRI 104, 11.3.
- E. 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.
 - 1. Provide adhesive tape in minimum width of six (6) inches.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine subfloors and conditions, with Installer present, for compliance with requirements for maximum moisture content, alkalinity range, installation tolerances, and other conditions affecting performance of carpet. Do not proceed with installation until unsatisfactory conditions have been corrected.
- B. Verify that subfloors and conditions are satisfactory for carpet installation and comply with requirements specified in this Section and those of the following:
 - 1. Carpet manufacturer.
 - 2. Carpet cushion manufacturer.

3.2 PREPARATION

- A. General: Comply with carpet manufacturer's installation recommendations to prepare substrates indicated to receive carpet installation.
- B. Level subfloor within 1/8 inch in 10 feet, noncumulative, in all directions. Sand or grind protrusions, bumps, and ridges. Patch and repair cracks and rough areas. Fill depressions.
 - 1. Use leveling and patching compounds to fill cracks, holes, and depressions in subfloor as recommended by the following:
 - a. Carpet manufacturer.
 - b. Carpet cushion manufacturer.
- C. Remove subfloor coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone.
- D. Broom or vacuum clean subfloors to be covered with carpet. Following cleaning, examine subfloors for moisture, alkaline salts, carbonation, or dust.
- E. Concrete-Subfloor Preparation: Apply concrete-slab primer, according to manufacturer's directions, where recommended by the following:
 - 1. Carpet manufacturer.

2. Carpet cushion manufacturer.

3.3 INSTALLATION

- A. Provide installation methods listed below as appropriate for carpet and cushion types selected for project.
 1. Direct Glue-Down Installation: Comply with CRI 104, Section 8: "Direct Glue-Down."
 2. Preapplied Adhesive Installation (Double Stick Down): Comply with CRI 104, Section 10.4, "Pre-Applied Adhesive Systems (Peel and Stick)."
 3. Carpet with Attached-Cushion Installation: Comply with CRI 104, Section 10: "Attached Cushion."
 4. Stretch-in Installation: Comply with CRI 104, Section 11: "Stretch-in Utilizing Tackless Strip."
- C. Comply with carpet manufacturer's recommendations for seam locations and direction of carpet; maintain uniformity of carpet direction and lay of pile. At doorways, center seams under door in closed position. Do not bridge building expansion joints with continuous carpet.
- D. 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.
- E. Extend carpet into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.
- F. Install pattern parallel to walls and borders.
- G. Install carpet cushion seams at 90-degree angle with carpet seams.

3.4 CLEANING

- A. Perform the following operations immediately after completing installation.
 1. Remove visible adhesive, seam sealer, and other surface blemishes using cleaner recommended by carpet manufacturer.
 2. Remove protruding yarns from carpet surface.
 3. Vacuum carpet using commercial machine with face-beater element.

3.5 PROTECTION

- A. General: Comply with CRI 104, Section 15: "Protection of Indoor Installation."
- B. Provide instructions for final protection and maintainance.

THE ROBERT
FT. MYERS, FL.
FK PROJECT No. 5592

ISSUE DATE: 02/28/2020
PERMIT REVIEW SET

END OF SECTION 096816