SECTION 09680
CARPET

PART 1 - GENERAL

1.1 SUMMARY:

A. Section Includes:
   1. Carpet quality assurance
   2. Direct glue-down application.

B. Related Sections:
   1. Section 03300-Cast-in-Place Concrete.
   2. Section 09650 - Resilient Flooring
   3. Section 01710 - Final cleanup

1.2 REFERENCES:


B. Uniform Federal Accessibility Standards.


1.3 SUBMITTALS:

A. Product Data:
   1. Include certified laboratory test reports for flammability and static tests.

   2. LEED EQc4: Low-Emitting Materials
      Provide documentation from the manufacturer including VOC and chemical component limits for carpets, pads and sealants.

B. Samples:
   1. Submit 18" x 27" samples of each type, color, texture and pattern of carpet required and 6" long samples of carpet edge guard stripping.

C. Shop Drawings:
   1. Submit layout drawings showing seam locations, pattern, nap direction, and location and type of edge treatment.

NOTE: THE DESIGN MUST COORDINATE THE FLOOR TOLERANCE REQUIREMENTS FOR THIS SECTION WITH THAT SPECIFIED IN DIVISION 3.
D. Maintenance:

1. Submit instructions for proper maintenance and cleaning.

1.4 QUALITY ASSURANCE:

A. Qualifications:

1. Installer: Firm with not less than 5 years of carpeting experience on projects of similar size and type to work of this section.

2. Manufacturer: Firm (carpet mill) with not less than 5 years of production experience with carpet manufacturing, and whose published product literature clearly indicates general compliance of products with requirements of this section.

1.5 WARRANTY:

A. Provide special warranty, signed by Contractor, Installer and Manufacturer (Carpet Mill), agreeing to repair or replace defective materials and workmanship of carpeting work during 2-year warranty period following the date of the Notice of Acceptance. Attach copies of product warranties.

B. Furnish manufacturer's written warranty agreeing to supply replacement carpet if face weight loss in any area exceeds 10% in 10 years.

1.6 MAINTENANCE MATERIAL:

A. The Owner will review all carpet scraps and retain chosen pieces for future repairs. Selected remnants, usable scraps and overage shall be packaged and identified. The balance shall be removed from the job site.

B. In addition to remnants and scraps, provide an additional 2% of each type, color, texture and pattern for future use, in full width roll.

PART 2 - PRODUCTS

2.1 CARPET PERFORMANCE:

A. Flammability:

1. ASTM D2859: Passing methenamine pill test.

2. ASTM E648: Minimum critical radiant flux of 0.45 watts per sq. cm.

B. Electrostatic Propensity:
1. Static Generation: 3.0 KV or less, 20% RH at 70 degrees F. per AATCC 134.

C. Tuft Bind:
   1. Unitary type backing.
   2. Not less than 20 lb. average, ASTM D1335.

D. Pile Height:
   1. Conform to UFAS or ANSI A117.1 for maximum height, whichever is stricter; 3/16" minimum.

E. Yarn and Construction Method:
   1. 30 oz. per sq. yd. minimum face weight using solution dyed material, cut pile or level loop style.
   2. Stitches and Gage: Stitches per inch equal to or greater than gage.

F. Primary and Secondary Backings:
   1. Synthetic type.

G. VOC Limits:
   1. **LEED EQc4: Low-Emitting Materials**
      Carpet and Carpet Padding shall meet or exceed the requirements of the Carpet and Rug Institute's Green Label Indoor air Quality Test Program.

2.2 ADHESIVE:

A. Adhesive shall be water-resistant, mildew-resistant, non-staining, non-gassing (low VOC) type as recommended by the manufacturer for products and subfloor conditions indicated and shall be approved by the Owner. Comply with flammability requirements for installed carpet.

B. **LEED EQc4: Low-Emitting Materials**
   All indoor adhesives shall meet or exceed VOC limit requirements of South Coast Air Quality Management District Rule #1168.

PART 3 - EXECUTION

3.1 PREPARATION:

A. Prior to installation, all minor surface irregularities shall be repaired and the floor shall be thoroughly cleaned with all grit and dirt removed. Start of work constitutes acceptance of floor and responsibility for finished result.
3.2 INSTALLATION:

A. Comply with CRI 104.

B. Lay carpet on floors with run of the pile in same direction as traffic flow.

C. Lay carpet on stairs with run of the pile in opposite direction of traffic to avoid peeking of backing on nosings.

D. Center seams under doors.

E. Do not seam in traffic direction at doorways.

F. Final Clean-Up – Vacuum floors thoroughly.

END OF SECTION 09680