SECTION 09 68 16 (09680) – CARPET

PART 1 – DESIGN GUIDELINES

ALL FLOORING MATERIAL IS TO BE OWNER SUPPLIED THROUGH “CI SELECT FLOORING SOLUTIONS”, FORMERLY THE ENVIRONMENTALISTS. ALL CONTRACTORS NEED ONLY INCLUDE LABOR IN THEIR BASE BID. ALL INSTALLATION ADHESIVES AND SUNDRIES ARE TO BE INCLUDED IN LABOR PRICE. SUNDRIES INCLUDE, BUT ARE NOT LIMITED TO TRANSITIONS/REDUCERS, PADDING (IF SPECIFIED), ETC. OWNER/CI FLOORING SOLUTIONS WILL HAVE FLOORING MATERIALS SHIPPED DIRECTLY TO INSTALLER. DELIVERY OF MATERIALS TO JOBSITE IS RESPONSIBILITY OF INSTALLER.

MATERIAL QUANTITIES MUST BE VERIFIED AND CONFIRMED BY BOTH CI FLOORING SOLUTIONS AND SUCCESSFUL INSTALLER PRIOR TO ORDERING. ANY MATERIALS NECESSARY AFTER QUANTITY CONFIRMATION WILL BE RESPONSIBILITY OF INSTALLER UNLESS REQUIRED BY APPROVED SCOPE CHANGE.

CI FLOORING SOLUTIONS CONTACT: ELLEN ZUCKER 314-909-1990

Carpet is to be used in the following locations: offices, corridors, conference rooms, classrooms and administrative areas. Carpet tile is preferred for these locations.

Where carpet is specified, loop pile direct glue shall be standard. Cut pile and carpet pad shall be by exception only as approved by the WUSM Project Manager.

Accepted broadloom manufacturers are: Atlas, Bentley Prince Street, Bigelow, Blue Ridge, Bolyu, Cambridge, Constantine, Crossley, Designweave, Durkan, J&J, Karastan, Lee’s, Mannington, Masland, Milliken, Mohawk, Monterey, Pat Craft, Shaw

PART 2 – CONTRACT DOCUMENT GUIDELINES

Broadloom carpet shall meet the following minimum standards.

Yarn: 100% first quality, bulk continuous filament nylon type 6, 6 offering a construction and performance standards testing program by fiber producer. Fiber shape to have maximum Modification Ratio of 1.5 for soil release capabilities. Fiber identification to AATCC 20.

Static Control: By permanent means (i.e. antistatic filaments) and without chemical treatment, static generation below 3.5 kilovolts under standard conditions of 65 F and 20% relative humidity. Electrostatic Propensity (Static delayed signal): to AATCC 134.

Construction: tufted or woven, level or multi-level loop pile with maximum height variation of 1/32 inch

Dye Method: Yarn dyed, solution dyed or a combination of yarn and solution dyed

Pile Weight: Minimum 20 oz.

Gauge/Stitch count: Gauge: Minimum 5/64 gauge, preferably 1/10 Minimum 10 stitches per inch.

Primary Backing: polypropylene

Secondary Backing: action bac
Resistance to Delamination: ASTM D3936 minimum 3.0 lbs/inch

Tuft Bind: ASTM D1335 minimum (10 lbs)

Pile Density: 5500

Flammability: ASTM 648 – 0.22 watts/cm² critical radiant flux and/or federal, state or local requirements.

Smoke Density: ASTM E662 Rating to be less than 450 in flaming mode (or to State Code). Must meet Federal Flammability standard DOC FF 1–70 (Methenamine Pill test ASTM D2859)

Colorfastness to Light: AATCC 16E, 80 AFU, International Gray Scale for Color Change rating min 3.

Colorfastness to atmospheric contaminants: AATCC 164 & AATCC 129 for 2 cycles, International Gray Scale for Color Change rating min. 3-4.

Soil Resistance: An average of 3 fluorine analysis AATCC 189 (formerly CRI TM 102) of a single composite sample to be a minimum of 500 ppm fluorine by weight when new and 400 ppm fluorine by weight after 2 AATC 171 (HWE) cleanings.

Coloration: Minimum 5 color hues, and hue values to be in optimum light reflectance rating for soil hiding enhancement


Indoor Air Quality – maximum 0.5 mg/m² hr total VOC emission, ASTM D5116. All materials, adhesives and sealants must be in compliance with Sustainable Design Requirements Section 01 81 13.

Recycling: New carpet – must be eligible for recycling by the supplying mill or fiber producer within an existing program; submit program parameters.

Existing Used Carpet – submit parameters/cost for current carpet reclamation program – landfill is not an option.

Acceptance of this program will be the option of the specifier.

PART 3 – INSTALLATION

A. Installer shall be and experienced installer with a minimum of three years experience who is certified by the Floor Covering Installation Board (FCIB) or who can demonstrate compliance with the FCIB certification program.

B. All carpeting shall be installed in strict compliance with the manufacturer’s installation instructions, including carpet direction and pattern repeat.

C. Moisture vapor emissions testing shall be required at all freshly poured concrete floor areas.

D. A seaming diagram shall be provided by the supplier during the bidding process, for the installers review and confirmation of layout and material quantities. Minimize seam locations. Seams must be positioned so that, where possible: 1. they run the length of the area, 2. the main traffic flow runs along the seam, 3. seams are away from areas subject to pivoting and 4. seams are not perpendicular through door openings and located within traffic patterns. The seaming diagram musts be approved by the WUSM project manager prior to installation.
E. Solid vinyl transitions/reducers shall be utilized for transitions to adjacent flooring materials. Utilization of metal trim (Schluter or equal) at the edge of carpeting with tapered fill is also an acceptable solution for providing a smooth transition to adjacent flooring materials.

F. Carpet scraps shall be disposed of. Remaining flooring material shall be rolled, wrapped, labeled and turned over to the Owner for attic stock.

G. At the project completion, after acceptance of the flooring installation, the flooring installer shall remove from the project site all adhesives, sealers, etc.

END OF SECTION