



CARPET INSTALLATION

SCOPE OF WORK AND SPECIFICATIONS

Project Name and Location

Bailey Station Elementary School – Library – 3435 Bailey Station Road, Collierville, TN 38017

Scope of Work

1. Move furniture as needed to complete the project. Details will be discussed during the Pre-Bid Meeting.
2. Remove and dispose of existing carpet and cove base. Approximately 3100 ft².
3. Prepare substrate for application of new carpet / cove base.
4. Install carpeting / cove base in Library and Computer Area as specified herein. Color and pattern to be selected by Collierville Schools. Approximately 3100 ft².
5. This is a turn-key project which must be completed October 12th – October 16th, 2015.

Specifications

PART 1 – GENERAL

- 1.01 SCOPE:
Furnish all labor, materials, tools and equipment necessary to remove existing carpeting and install new carpeting / cove base as indicated and/or specified herein.
- 1.02 SUBMITTALS:
- A. Samples: Successful bidder shall provide samples of each type, color, and pattern of carpeting, base and specialty materials, if requested by Collierville Schools.
 - B. Manufacturer's Literature: Manufacturer's recommended installation instructions, product warranty information, and Safety Data Sheets.
 - C. Maintenance Materials: (If modular carpet tiles are installed)
 1. Furnish additional floor covering materials for replacement and maintenance.
 2. Furnish materials of each size, color, pattern and type of material included in the work.
 3. Furnish additional materials at the rate of 2% of each color.
- 1.03 QUALITY ASSURANCE:
- A. Use only skilled and experienced carpeting installers for the installation of carpeting.
 - B. If required, provide types of carpeting and accessories supplied by one (1) manufacturer, including leveling, patching compounds and adhesives.
 - C. Provide carpeting material to meet the following performance criteria as tested by a recognized independent testing laboratory:
 1. ASTM D2859 (Flammability), must pass pill test
 2. ASTM E648 (Radiant Panel Test) of 0.45 watts per sq. cm. or greater, Class1
 3. ASTM E662 (Smoke Density) maximum specific optical density of 450 or less
 4. AATCC -134 (Static) under 3.5 KV
 5. Green Label Plus, LEED Eligible (Indoor Air Quality)
 6. TARR (Foot Traffic Recommendation) of Severe

- 1.04 WARRANTIES
- A. Carpeting shall have a limited lifetimes warranty for wear, static, colorfastness, and stain resistance.
 - B. Additional materials shall have minimum warranties equal to industry standards.
- 1.05 PRODUCT DELIVERY AND STORAGE:
- A. Deliver materials to project site in manufacturer's original, unopened containers with labels indicating brand names, colors and patterns, and quality designations legible and intact.
 - B. Do not open containers or remove markings until materials are inspected and accepted.
 - C. Store and protect accepted materials in accordance with manufacturer's directions and recommendations.
 - D. Unless otherwise directed, carpeting should be rolled out and allowed to relax for no less than twenty-four (24) hours prior to installation. All other materials should be stored
- 1.06 ENVIRONMENTAL REQUIREMENTS:
- A. Maintain temperature in space to receive carpeting between 65° F and 85° F, and humidity between 35% and 65%, for forty-eight (48) hours before and after installation.
 - B. Use appropriate methods to prevent the spread of dust and debris to adjacent areas of the building.
 - C. Furniture replacement and heavy traffic should be avoided for at least 24 hours following carpet installation.

PART 2 – PRODUCTS

- 2.01 MATERIALS:
- A. Floors:
 - 1. Carpeting shall be Lees Faculty Remix, Rookie, or Newcomer Carpeting with Duracolor, or equivalent. Any substitutions must be approved by Collierville Schools. Color and pattern shall be selected by Collierville Schools.
 - a. Carpeting shall be made from nylon fibers, tufted construction with textured loop piles and a unitary backing.
 - b. Carpeting will be either broadloom or modular tiles as selected by Collierville Schools.
 - b. See plans for areas of work
 - 2. Cove Base shall be 1/8" thick rubber, pre-molded, rounded-top and cove base; 4" high, butt type with both end stops and pre-formed corners. Color to be selected by Collierville Schools.
- 2.02 APPLICATION MATERIALS:
- A. Provide type and brands of adhesive as recommended by manufacturer of covering material for the conditions of the installation. *NuBroadlok is the only approved adhesive for Lees Broadloom with Unibond backing. EnPress PSA is the only approved adhesive for Lees Modular with Ecoflex ICT backing.*
 - B. Primer shall by type and brand recommended by floor covering manufacturer.
 - C. Crack filler / leveling compound shall be type and brand recommended by the floor covering manufacturer.

PART 3 – EXECUTION

- 3.01 INSPECTION OF SURFACES:
- A. Examine substrate for flaws which would impact execution and quality of carpeting as specified.
 - B. Do not proceed with installation of carpeting until defects have been corrected.

- 3.02 PREPARATION:
- A. Remove dirt, oil, grease, or other foreign matter from surfaces to receive floor covering materials.
 - B. Fill cracks more than 1/16" wide with a Portland or cement based patching compound.
 - C. Floor must be flat to within 1/8" in 10 ft. Use leveling compound as required.
 - D. Prime surfaces if recommended by floor covering manufacturer.
- 3.03 APPLICATION OF ADHESIVES:
- A. Mix and apply adhesives in accordance with manufacturer's instructions.
 - B. Provide safety precautions during mixing and applications as recommended by adhesives manufacturer.
 - C. Apply adhesive uniformly over surfaces:
 1. Apply adhesive to only that area which can be covered by floor covering material within the recommended working time.
 2. Remove adhesive which dries or films over.
 3. Do not soil walls, bases, and adjacent areas with adhesives.
 4. Promptly remove any spillage.
 - D. Apply adhesives as per manufacturer recommendations.
 - E. Clean trowel and re-work notches as necessary so as to ensure proper application of adhesive.
- 3.04 INSTALLATION OF CARPETING:
- A. General
 1. Carpeting shall be installed with a consistent pile direction.
 2. All seams must be trimmed on the row.
 3. For tufted carpet, trim all seams with a cushion back or loop pile cutter.
 4. All tufted carpet seams must be sealed with NuBroadlok Seam Sealer.
 5. A transition strip must be used to protect any exposed edges.
 - B. Broadloom
 1. Make sure that the pile-lay runs in the same direction. Check starting wall for squareness, allowing for an off-square wall. Strike a chalk line the entire length of the area where the seam falls.
 2. Place two lengths in the proper position for installing, and trim selvages. Line up the seam edges with the chalk line, making sure they are perfectly flat and tension free.
 3. Fold or roll both widths back a workable amount from the seam area for the entire length of the carpet.
 4. Spread NuBroadlok Adhesive from the approximate center toward each end using a 1/8" x 1/8" x 1/8" U-notched trowel or 1/8" x 1/8" x 1/16" V-notched trowel with steady, even strokes. When sufficient floor area has been covered with NuBroadlok, wait until the adhesive has reached the appropriate tacky stage before dropping the first breadth of carpet into place. Apply a thin coating of NuBroadlok Seam Sealer to the seam edge of the first breadth. Follow this procedure for each succeeding breadth at the seam. Drop or roll the second breadth into position and fit the seam in tightly using a crab stretcher if necessary. Roll looseness and air bubbles away from the seam. All tufted seams must be sealed with NuBroadlok Seam Sealer unless alternate method is used as described above.
 5. The remaining portion of the first breadth can now be folded or rolled back from the floor. Apply NuBroadlok to the floor; wait until the adhesive has reached the proper tacky stage before dropping the carpet into place. Be sure to have enough people spreading the adhesive so that, after the floor is covered with adhesive, each breadth is in place within the determined period of open time.
 6. Be certain to roll out looseness and air bubbles as the carpet is put in place. Repeat above procedures on continuing breadths. To trim the carpet at the wall, use a razor-blade knife or suitable wall trimmer.
 7. Roll completed installation with a 75-100 lb. roller in both length and width. This will allow the adhesive to penetrate the carpet back properly.

C. Modular Tiles

1. Tiles shall be installed in a monolithic orientation
2. Start from the intersection point in the center of the floor. Install the tiles in one quadrant using the chalk lines as guidelines. Fill in the area in between the two chalk lines using the stair step method.
3. Continue to install tiles in a stair step or pyramid pattern, starting at the center point. Check to ensure tiles are properly aligned at edges during the installation.
4. Position the tiles together by sliding them together, being careful not to trap face yarns between or under the edges of the tile. Press or roll the tiles into the adhesive.
5. Tiles that are trimmed against the walls, baseboards, columns, etc. must be cut flush, but not too tight where they are forced into position. Ensure that the adhesive spread is within 1/2" of walls and other obstructions.
6. All carpet tiles must be rolled with a 75 lb. or 100 lb. roller.
7. Use a seam-roller to blend and enhance the seams. The loop pile modules will have some yarn blossoming at the edges. The face yarn will require occasional trimming.

3.05

INSTALLATION OF BASE:

A. General:

1. Install base around perimeter of room or space.
2. Unroll base material and cut into accurate lengths, as desired or required for minimum number of joints.
3. Match edges at all seams or double cut adjoining lengths.
4. Install with tight butt joints with no joint widths greater than 1/64".
5. Do not install base behind casework.

B. Top-Set Base:

1. Apply adhesive and firmly adhere to wall surfaces.
2. Press down so that the bottom cove edge follows floor profile.
3. Form internal corners by using pre-molded corners.
4. Form external corners by using pre-molded corners.
5. Scribe base accurately to abutting materials.