



## RESILIENT FLOOR COVERING INSTALLATION

### SCOPE OF WORK AND SPECIFICATIONS

#### Project Name and Location

Crosswind Elementary School – Gymnasium and Gymnasium Lobby – 831 Shelton Road, Collierville, TN 38017

#### Scope of Work

1. Remove and dispose of existing vinyl composition tile (VCT) and cove base.
2. Prepare substrate for application of new VCT and cove base.
3. Install VCT in Gymnasium Lobby. Colors to match existing VCT colors.
4. Install VCT in Gymnasium. Armstrong Basketball Court Kit 50517-831. High School Dimensions (50' x 84'). Colors to be selected by Owner.

#### Specifications

##### PART 1 – GENERAL

- 1.01 SCOPE:  
Furnish all labor, materials, tools and equipment necessary to remove existing resilient floor covering and install new resilient floor covering and base and related items indicated on the drawings and/or specified herein.
- 1.02 SUBMITTALS:
- A. Samples:  
Submit a minimum of one (1) sample of each type and color of pattern of resilient flooring, base material and specialty material.
  - B. Manufacturer's Literature:  
Manufacturer's recommended installation instructions No. F-5061 shall be submitted.
  - C. Maintenance Materials:
    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, minimum one (1) full carton.
    4. Submit latest edition of "Armstrong Commercial Resilient Flooring Maintenance Recommendations and Warranty", Booklet No. F-8663.
- 1.03 QUALITY ASSURANCE:
- A. Use only skilled and experienced resilient flooring installer for installation of flooring.
  - B. If required, provide types of resilient tile and accessories supply by one (1) manufacturer, including leveling and patching compounds and adhesives.
  - C. If required, provide flooring material to meet the following fire test performance criteria as tested by a recognized independent testing laboratory:
    1. ASTM E648 (Critical Radiant Flux) of 0.45 watts per sq. cm. or greater, Class1
    2. ASTM E662 (Smoke Generation) maximum specific optical density of 450 or less

- 1.04 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, store materials in the original containers at not less than 70 degrees F for no less than twenty-four (24) hours immediately before installation.

- 1.05 ENVIRONMENTAL REQUIREMENTS:
- A. Maintain temperature in space to receive tile between 70 degrees and 90 degrees F for not less than twenty-four (24) hours before and forty-eight (48) hours after installation.
  - B. Maintain a minimum temperature of 55 degrees F for forty-eight (48) hours after flooring is installed.
  - C. Use appropriate methods to prevent the spread of dust and debris to adjacent areas of the building.

## PART 2 – PRODUCTS

- 2.01 MATERIALS:
- A. Floors:
    - 1. Vinyl composition floor tile shall be Armstrong or Mannington true thru chip, no pattern change thru the tile, 12" x 12" x 1/8" thick **(NO EXCEPTIONS)**. Colors shall be as selected by Collierville Schools. Provide 2% overage of color, delivered to OWNER.
      - a. Reducers shall be vinyl strips of such thickness to suit abutting floor covering
      - b. See plans for areas of work
      - c. Adhesive shall be Henry 430 thin spread or equal
    - 2. 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 black, as manufactured by Flexco Company. Cove base to be installed at vinyl tile floors.
    - 3. Basketball Court Unit: Armstrong 50517-831 (Standard Tile Insets) where applicable. Court dimensions shall be 50' x 84' (high school) with insets for feature strips, boundary lines, circular markings and three point goal markings. Markings shall accommodate existing basketball goals and backboards. Free throw circle, foul lane, and jump circle colors 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.
  - B. Primer shall be by type and brand recommended by floor covering manufacturer.
  - C. Crack filler shall be type and brand recommended by the floor covering manufacturer.

## PART 3 – EXECUTION

- 3.01 INSPECTION OF SURFACES:
- A. Examine substrate for excessive moisture content and unevenness which would prevent execution and quality of resilient flooring as specified.
  - B. Do not proceed with installation of resilient flooring 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 1/16" and smaller, and depressions 1/8" and smaller with crack filler.
  - C. 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 with notched trowel. (Tooth size 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 TILE MATERIALS:

- A. Lay tile to center of room or space.
- B. Work toward perimeter.
- C. Do not lay tile less than one-half (1/2) the width of a field tile, except where accepted by the Collierville Schools for irregularly shaped rooms or spaces.
- D. Cut border tile neatly and accurately to fit within 1/64" of abutting surfaces.
- E. Fit flooring material neatly and tightly into breaks, recesses, against bases, around pipes and penetrations, under saddles and thresholds, and around permanent cabinets and equipment.
- F. Lay tile parallel to room axis in straight courses. Lay tile with grain or pattern running in same direction with joints overlapping one-half (1/2) of the tile.

#### 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.

#### 3.06 INSTALLATION OF REDUCER:

- A. Apply adhesives and bond securely to substrates in straight true lines.
- B. Meet visible and related features of building construction with a maximum deviation of 1/8" to ten feet between.
- C. Provide reducer where floor covering terminated exposing the edges of the covering.
- D. Center reducer under door where floor covering terminates at a door opening.
- E. Fit edges to door frames and abutting surfaces and other edges to adjoining materials.