SECTION 09665

SHEET VINYL FLOORING

PART 1  GENERAL

1.01  SUMMARY

A. Related Section:
   1. 03300 - Cast-In-Place Concrete.
   2. 09561 - Hardwood Strip Flooring System.

1.02  REFERENCES

A. ASTM F710-92 Standard Practice for Preparing Concrete Floors and Other Monolithic Floors to Receive Resilient Flooring.

1.03  SUBMITTALS

A. Manufacturer's catalog cuts, product data, and installation instructions.

B. Samples: Submit heat weld colors and 3 inch x 6 inch samples of material for review to the A/E for pattern and color selection.

C. Manufacture's Safety Data Sheet (MSDS) for adhesive.

D. Quality Control Submittals:
   1. Submit manufacturer's statement of approval of floor system installer.
   2. Submit manufacturer's printed document indicating compliance to slip-resistant coefficient requirements.

E. Seaming diagram for heat welds.

1.04  QUALITY ASSURANCE

A. Qualifications: Installers of the sheet vinyl flooring system shall be certified by the sheet vinyl flooring system manufacturer as an approved installer of their products.

B. Regulatory Requirements:
   1. Resilient flooring systems shall comply with the minimum slip-resistant coefficient of:
a. 0.5 - for leveled floors such as, but not limited to, cafeterias.
b. 0.6 - for accessible routes such as, but not limited to, interior corridors.
c. 0.8 - for inclined floors such as, but not limited to, ramps.

2. Non-compliance of slip-resistant coefficient factor will be grounds for removal and disposal of installed flooring system, and the proper preparation of the floor substrate and installation of flooring system meeting required slip-resistant coefficient requirements at no expense to the Board.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Store material in weather protected space with temperatures between 65 and 90 degrees F.

1.06 SITE CONDITIONS

A. Maintain room temperature between 65 and 90 degrees F. for at least 48 hours before, during, and 48 hours after installation. Maintain a minimum 55 degrees F. thereafter.

1.07 WARRANTY

A. Furnish manufacturer's standard warranty covering manufacturing defects for a period of 1 year.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Sheet Vinyl Flooring;
   1. Armstrong, Inc.
   2. Mannington, Inc.
   3. Multitones, Marleyflor Plus, and HD Acoustics by Marley, Richmond, VA.
   4. Tarkett.

B. Dance Sheet Vinyl Flooring:
   1. American Harlequin Corporation, Moorestown, NJ.
   2. Choice Floors, Philadelphia, PA.

C. Slip Resistant Sheet Vinyl Flooring:
1. Impressionist II, Designer 25, Stronghold 35, and Marine 20 by Altro, Nazareth, PA.
2. Assurance by Mannington.

D. Resilient Rubber Wall Base:
   1. Armstrong.
   2. Flexco.
   4. Roppe.

2.02 MATERIALS

A. Sheet Vinyl:

****** ***** **** *** ** * ** *** **** ***** ****
NOTE TO SPECIFIER: If the General Commercial, Acoustical, and Slip Resistant sheet vinyl are used, then indicate either in the Drawings or this specification the location of each type.
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1. Sheet Vinyl, General Commercial: Homogeneous PVC construction, minimum 0.080" thick, non-asbestos.
2. Sheet Vinyl, Acoustical: Homogeneous PVC wear layer with open cell foam interlayer and stabilizing backing construction, minimum 0.060" thick, non-asbestos.
3. Sheet Vinyl, Slip Resistant: Homogeneous PVC construction, minimum 0.080" thick, non-asbestos.

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NOTE TO SPECIFIER: In the following paragraphs, insert color selection/patterns and bases of manufacturers as on the M-DCPS accepted colorboard and indicate either in the Drawings or this specification the location of each type.
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4. Color and Pattern:
   a. As shown on the drawings, colors and patterns shall be ________ by __________, or accepted equivalent, as selected by A/E from the manufacturer’s standard color selection for the specified product.
   b. Colors and patterns shall be judged equivalent, as determined by the A/E, to those preselected or above specified colors and patterns by the manufacturers as specified.

B. Dance Sheet Vinyl Flooring.

1. Color: Grey
2. Manufacturers:
   a. Harlequin Cascade by American Harlequin.
      1) 6'-6" wide x maximum 98 feet long x 0.080" thick.
      1) 59" wide x maximum 101.71' long x 0.060" thick.

C. Rubber Base:
   1. 1/8" thick, 4 or 6 inches high rubber with cove profile.
   2. As shown on the drawings, colors shall be __________________ by _______________ or accepted equivalent.
   3. Colors shall be judged equivalent, as determined by the A/E, to those preselected or above specified colors.
   4. At all corners, provide inside/outside corners as applicable to the specific corner. Extend 4 inches minimum beyond corner.
   5. Premolded corners are not allowed.

D. Adhesive: Non-toxic as recommended by sheet vinyl flooring manufacturer, complying with EPA requirements.

PART 3 EXECUTION

3.01 INSPECTION
   A. Do not proceed with the work of this section until conditions detrimental to the proper and timely completion of the work have been corrected in an acceptable manner.

3.02 INSTALLATION
   A. Comply with ASTM F710, manufacturer's recommendations, and as specified for surface preparation.
   B. Area to receive sheet vinyl floor covering shall be weathertight, with room temperature not less than 65 degrees F., adequately lighted and the work of other trade shall be complete.
   C. Concrete shall be smooth and level, with maximum surface variations not exceeding 1/8" in a 10 foot radius. Grind down ridges and other irregularities.
D. Fill cracks, holes, and depressions with cementitious based or white premixed latex underlayment as recommended by the flooring manufacturer. Latex and powder shall be from the same manufacturer and as recommended by the manufacturer.

E. Moisture Tests:

1. Determine whether the concrete slab is adequately dry for flooring installation.
2. Test concrete slabs in new construction or existing slabs on grade for manufacturer's allowable moisture content by one of the following:
   a. The protimeter electrical conductivity survey master moisture test instrument.
   b. Calcium chloride test.

F. Substrates: Dry, smooth, level, and clean of dirt and other foreign matter.

1. Do not coat substrate surfaces with any type of membrane or curing compound.
2. Level high spots in substrate by grinding or sanding, fill low spots or areas only with latex type powder and liquid underlayments.

G. Plan sheet floor layout to minimize the number and total length of seams. Seams shall be placed in inconspicuous locations, out of the path of heavy foot traffic.

H. Install sheet vinyl floor covering according to the manufacturer's installation instructions using manufacturer's recommended adhesive. Seams shall be heat welded.

I. Lay dance sheet vinyl flooring without adhesives and tape joints using manufacturer's recommended tape.

3.03 CLEANING AND PROTECTION

A. Remove excess adhesive and other soilings from floors and adjacent surfaces using neutral type cleaners as recommended by sheet vinyl floor manufacturer.

1. Do not use acids or other caustic solutions as cleaning agents.
2. Sheet Vinyl: Clean according to manufacturer's instructions and apply 3 coats of M-DCPS approved liquid wax floor finish.
3. Dance Floor Sheet Vinyl Flooring: Clean according to manufacturer's instructions.

B. Before allowing traffic, protect installed flooring from damage by covering with clean, heavy duty building paper from time of cleaning until all work in the area is complete.

END OF SECTION