SECTION 096813

CARPET TILE

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**NOTE TO SPECIFIER**

*Use this Specification Section for Mail Processing Facilities.*

***This is a Type 2 Specification with primarily editable text; therefore, most of the text can be edited, but there is some required text which is noted within the Section with a “Note to Specifier.” Do not revise these paragraphs without an approved Deviation from USPS Headquarters, Facilities Program Management, through the USPS Project Manager.***

*For Design/Build projects, do not delete the Notes to Specifier in this Section so that they may be available to Design/Build entity when preparing the Construction Documents.*

*For the Design/Build entity, this specification is intended as a guide for the Architect/Engineer preparing the Construction Documents.*

*The MPF specifications may also be used for Design/Bid/Build projects. In either case, it is the responsibility of the design professional to edit the Specifications Sections as appropriate for the project.*

*Text shown in brackets must be modified as needed for project specific requirements.* *See the “Using the USPS Guide Specifications” document in Folder C for more information.*

*The last date that USPS revised this standard specification section occurs in two places, at the end of this section and in the Table of Contents. If the date in this section matches the date in the Table of Contents, then you are using the latest version. Do not delete or revise the “last revised” date at the end of the section during the development of the Project Manual.*

*The footer in this section should be edited to replace the text, “USPS MPF SPECIFICATION” with the project name, and the blank date in the center should be replaced with the submission date, for interim design reviews, or the issue date of the completed Project Manual.*

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1. GENERAL
	* + 1. SUMMARY
				1. Section includes modular carpet tile.
			2. PREINSTALLATION MEETINGS
				1. Preinstallation Conference: Conduct conference at Project site.

Review methods and procedures related to carpet tile installation including, but not limited to, the following:

Review ambient conditions and ventilation procedures.

Review subfloor preparation procedures.

Review patterns.

* + - 1. SUBMITTALS
				1. Product Data: For each type of product.

Include manufacturer's written data on physical characteristics, durability, and fade resistance.

Include installation recommendations for each type of substrate.

* + - * 1. Shop Drawings: Show the following:

Columns, doorways, enclosing walls or partitions, built-in cabinets, and locations where cutouts are required in carpet tiles.

Carpet tile type, color, and dye lot.

Pattern type, location, and direction.

Type, color, and location of insets and borders.

Type, color, and location of edge, transition, and other accessory strips.

Transition details to other flooring materials.

* + - * 1. Samples: For each of the following products and for each color and texture required. Label each Sample with manufacturer's name, material description, color, pattern, and designation indicated on Drawings and in schedules.

Carpet Tile: Full-size Sample.

Exposed Edge, Transition, and Other Accessory Stripping: 12-inch- (300-mm-) long Samples.

* + - * 1. Product Schedule: For carpet tile. Use same designations indicated on Drawings.
				2. Qualification Data: For Installer.
				3. Product Test Reports: For carpet tile, for tests performed by a qualified testing agency.
				4. Sample Warranty: For special warranty.
			1. CLOSEOUT SUBMITTALS
				1. Maintenance Data: For carpet tiles to include in maintenance manuals. Include the following:

Methods for maintaining carpet tile, including cleaning and stain-removal products and procedures and manufacturer's recommended maintenance schedule.

Precautions for cleaning materials and methods that could be detrimental to carpet tile.

* + - * 1. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

Carpet Tile: Full-size units equal to 5 percent of amount installed for each type indicated, but not less than 10 sq. yd. (8.3 sq. m).

* + - 1. QUALITY ASSURANCE
				1. Installer Qualifications: An experienced installer who is certified by the International Certified Floorcovering Installers Association at the Commercial II certification level.
				2. Fire-Test-Response Ratings: Where indicated, provide carpet tile identical to those of assemblies tested for fire response according to NFPA 253 by a qualified testing agency.
			2. FIELD CONDITIONS
				1. Comply with CRI 104 for temperature, humidity, and ventilation limitations.
				2. Environmental Limitations: Do not deliver or install carpet tiles until spaces are enclosed and weathertight, wet work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at occupancy levels during the remainder of the construction period.
				3. Do not install carpet tiles over concrete slabs until slabs have cured and are sufficiently dry to bond with adhesive and concrete slabs have pH range recommended by carpet tile manufacturer.
				4. Where demountable partitions or other items are indicated for installation on top of carpet tiles, install carpet tiles before installing these items.
			3. WARRANTY
				1. Special Warranty for Carpet Tiles: Manufacturer agrees to repair or replace components of carpet tile installation that fail in materials or workmanship within specified warranty period.

Warranty does not include deterioration or failure of carpet tile due to unusual traffic, failure of substrate, vandalism, or abuse.

Failures include, but are not limited to, more than 10 percent edge raveling, snags, runs, dimensional stability, loss of tuft bind strength, loss of face fiber, and delamination.

Warranty Period: 15 years from date of Substantial Completion.

1. PRODUCTS

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**NOTE TO SPECIFIER**

\*\*Required: Do not revise basis of design manufacturer or product without an approved deviation from USPS Headquarters, Facilities Program Management, through the USPS Project Manager.

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* + - 1. CARPET TILE:
				1. Basis-of-Design Product: To Scale, collection: Architectural Plans, modular tile as manufactured by Interface, www.interface.com.

Color: As indicated on the Finish Product options

Schedule on the Drawings or as selected by Owner.

Fiber Type: Type 6,6 Nylon

Pile Characteristic: Tufted Textured Loop.

Tufted Yarn Weight: 17 oz./sq. yd.

Tufted Pile Height: 0.14 inch.

Stitches: 10 per inch.

Gauge: 1/12 inch.

Backing System: GlasBac.

Size: nominal 20 inches by 20 inches

Soil-Resistance Treatment: Manufacturer's standard material.

Preservative Protection: Manufacturer’s standard material.

* + - * 1. Environmental Characteristics, as follows:

Total Recycled Content: 66%

Indoor Air Quality: Green Label Plus #GLP0820

* + - 1. INSTALLATION ACCESSORIES
				1. Trowelable Leveling and Patching Compounds: Latex-modified, hydraulic-cement-based formulation provided or recommended by carpet tile manufacturer.
				2. Adhesives: Water-resistant, mildew-resistant, nonstaining, pressure-sensitive type to suit products and subfloor conditions indicated, that complies with flammability requirements for installed carpet tile and is recommended by carpet tile manufacturer for releasable installation.

Adhesives shall have a VOC content of 50 g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).

* + - * 1. Moldings and Edge Strips: Rubber carpet edge strips for glue-down applications.

Color to coordinate with carpet as directed by Owner.

Provide at all conditions where carpet transitions to another flooring material.

1. EXECUTION
	* + 1. EXAMINATION
				1. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for maximum moisture content, alkalinity range, installation tolerances, and other conditions affecting carpet tile performance. Examine carpet tile for type, color, pattern, and potential defects.
				2. Concrete Subfloors: Verify that concrete slabs comply with ASTM F 710 and the following:

Slab substrates are dry and free of curing compounds, sealers, hardeners, and other materials that may interfere with adhesive bond. Determine adhesion and dryness characteristics by performing bond and moisture tests recommended by carpet tile manufacturer.

Subfloors are free of cracks, ridges, depressions, scale, and foreign deposits.

* + - * 1. Proceed with installation only after unsatisfactory conditions have been corrected.
			1. PREPARATION
				1. General: Comply with CRI 104, Section 6.2, "Site Conditions; Floor Preparation," and with carpet tile manufacturer's written installation instructions for preparing substrates indicated to receive carpet tile installation.
				2. Use trowelable leveling and patching compounds, according to manufacturer's written instructions, to fill cracks, holes, depressions, and protrusions in substrates. Fill or level cracks, holes and depressions 1/8 inch (3 mm) wide or wider and protrusions more than 1/32 inch (0.8 mm) unless more stringent requirements are required by manufacturer's written instructions.
				3. Remove coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, without using solvents. Use mechanical methods recommended in writing by carpet tile manufacturer.
				4. Broom and vacuum clean substrates to be covered immediately before installing carpet tile.
			2. INSTALLATION
				1. General: Comply with CRI 104, Section 14, "Carpet Modules," and with carpet tile manufacturer's written installation instructions.
				2. Installation Method: Adhesive Grid Installation; install every tile with grid matched to tile size, with releasable, pressure-sensitive adhesive.
				3. Maintain dye lot integrity. Do not mix dye lots in same area.
				4. Cut and fit carpet tile to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended by carpet tile manufacturer.
				5. Extend carpet tile into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.
				6. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on finish flooring as marked on subfloor. Use nonpermanent, nonstaining marking device.
			3. CLEANING AND PROTECTION
				1. Perform the following operations immediately after installing carpet tile:

Remove excess adhesive, seam sealer, and other surface blemishes using cleaner recommended by carpet tile manufacturer.

Remove yarns that protrude from carpet tile surface.

Vacuum carpet tile using commercial machine with face-beater element.

* + - * 1. Protect installed carpet tile to comply with CRI 104, Section 16, "Protecting Indoor Installations."
				2. Protect carpet tile against damage from construction operations and placement of equipment and fixtures during the remainder of construction period. Use protection methods indicated or recommended in writing by carpet tile manufacturer.

END OF SECTION

USPS MPF Specification Last Revised: 10/1/2022