

## **SECTION 12484**

### **ENTRANCE FLOOR MATS AND FRAMES**

#### **PART 1 - GENERAL**

##### **1.1 DESCRIPTION OF WORK**

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
  - 1. Floor mats.
- B. Related Work: The following items are not included in this Section and will be performed under the designated Sections:
  - 1. Section 00850 – NATIONAL ACCOUNTS for pricing.
  - 2. Section 03300 - CAST-IN-PLACE CONCRETE for concrete work, including forming, placing, and finishing concrete floor slabs.

##### **1.2 SUBMITTALS**

- A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.
- B. Shop Drawings: Show the following:
  - 1. Items penetrating floor mats and frames, including door control devices.
  - 2. Divisions between mat sections.
  - 3. Perimeter floor moldings.
- C. Samples for Initial Selection: For each type of product indicated.
  - 1. Floor Mat: 12-inch- square, assembled sections of floor mat.
- D. Maintenance Data: For floor mat to include in maintenance manuals.

##### **1.3 QUALITY ASSURANCE**

- A. Source Limitations: Obtain floor mats through one source from a single manufacturer.
- B. Accessibility Requirements: Provide installed floor mats that comply with Section 4.5 in the U.S. Architectural & Transportation Barriers Compliance Board's "Americans

with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)” and the local Architectural Access Board.

#### 1.4 PROJECT CONDITIONS

- A. Field Measurements: Indicate measurements on Shop Drawings.

#### 1.5 COORDINATION

- A. Coordinate size and location of recesses in concrete with installation of finish floors to receive floor mats and frames.

### **PART 2 - PRODUCTS**

#### 2.1 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

- 1. Entrance Mats: MAT Manufacturer: Mats, Inc, Entrance Vestibule.

#### 2.2 CONCRETE FILL AND GROUT MATERIALS

- A. Provide concrete materials complying with Section 03300 - CAST-IN-PLACE CONCRETE for grout and fill around and under frames that produce concrete equivalent in strength to cast-in-place concrete slabs. For concrete fill, adjust aggregate size to not exceed one-third fill thickness.

#### 2.3 FLOOR MATS

- A. General: Provide colors, patterns, and profiles of materials indicated or specified. If not indicated, provide colors, patterns, and profiles selected by Architect from manufacturer's standard color palette.
- B. Carpet-Type Mats: Polypropylene solution dyed carpet bonded to 1/4-inch-thick, flexible vinyl backing to form mats 9/16 inch thick with nonraveling edges.
  - 1. Colors, Textures, and Patterns: Style Berber, Charcoal #7. Refer to Finish Schedule.
  - 2. Mat Size: As indicated.
  - 3. Flexible Edging: 2-inch-minimum, vinyl edge strip in matching color, bonded to each end of mat material or backing sheet.

## 2.4 FABRICATION

- A. General: Where possible, verify sizes by field measurement before shop fabrication.
- B. Floor Mats: Shop fabricate units to greatest extent possible in sizes as indicated. If not otherwise indicated, provide single unit for each mat installation; do not exceed manufacturer's recommended maximum sizes for units that are removed for maintenance and cleaning. Where joints in mats are necessary, space symmetrically and away from normal traffic lanes. Miter corner joints in framing elements with hairline joints or provide prefabricated corner units without joints.
- C. Completed design shall allow for 4" free distance between the outer parameters of product edges and permanent above grade obstructions.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine substrate for compliance with requirements for location, sizes, minimum recess depth, and other conditions affecting installation of floor mats and frames.
  - 1. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 INSTALLATION

- A. Install recessed mat frames to comply with manufacturer's written instructions. Set mat tops at height recommended by manufacturer for most effective cleaning action; coordinate top of mat surfaces with bottom of doors that swing across mats to provide clearance between door and mat.
  - 1. Clean flooring surface of dirt and debris.
  - 2. Install necessary shims, spacers, and anchorages for proper location and secure attachment of frames.
  - 3. Install grout and fill around frames and, if required to set mat tops at proper elevations, in recesses under mats. Finish grout and fill smooth and level.
  - 4. Remove protective wrapping and underlying padding. Unroll product from carpet core, position into place, walking out any accumulated air pockets. Vacuum thoroughly to raise and align surface yarns that have compacted during shipment

### 3.3 PROTECTION

- A. After completing frame installation and concrete work, provide temporary filler of plywood or fiberboard in recesses and cover frames with plywood protective flooring.

Maintain protection until construction traffic has ended and Project is near Substantial Completion.

- B. Defer installation of floor mats until Project is near Substantial Completion.

**END OF SECTION**