

**BuildingName**  
**The Description of the Project**  
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**DOCUMENTS**

Title Page  
Table of Contents  
Instruction to Bidders  
Form of Proposal  
Equal Opportunity Statement  
Form of Guarantee  
Supplemental General Conditions

**SPECIFICATION DIVISION 9**

**NUMBER SECTION DESCRIPTION**

**DIVISION 09 FINISHES**

SECTION 09680 - CARPET

**END OF CONTENTS TABLE**

**DIVISION 09 FINISHES**  
**SECTION 09680 - CARPET**

*THIS SECTION IS AN EXAMPLE, NOT A "MASTER" - EDIT IN CLOSE COORDINATION WITH INTERIOR DESIGN. LISTED PRODUCTS ARE OUT-OF-DATE.*

**PART 1 - GENERAL**

**1.1 SUMMARY**

- A. Extent of carpeting is shown on Drawings.

*DELETE BELOW IF NO RESILIENT FLOORING IN PROJECT AND WALL BASE IS INCLUDED IN THIS SECTION.*

- B. Requirements for wall base furnished under this Section are specified in another Division 9 Section "Resilient Flooring."

**1.2 SUBMITTALS**

- A. Samples: Submit 18 inch by 27 inch samples of each required type, color, pattern and texture of carpet; diagrams showing locations of seams; manufacturer's product data indicating conformance with requirements and installation instructions.
- B. Shop Drawings: Submit layout and seaming diagrams indicating pile direction or pattern direction, and locations and types of edge strips. Show installation details at special conditions.

*INCLUDE BELOW IF PROJECT IS SUBJECT TO REVIEW BY BCCFS.*

- C. Affidavits of Compliance: For each type of carpet, provide manufacturer's letter of certification addressed to the State of Michigan Bureau of Construction Codes and Fire Safety showing compliance with requirements of 1997 NFPA 101 "Life Safety Code" Section 26-3.3 for Class A, B, or C as required by the Code.

**1.3 QUALITY ASSURANCE**

- A. Standards: Conform to the following:

*REFER TO MICHIGAN BUILDING CODE FOR FURTHER REQUIREMENTS CONCERNING CLASS, FLAME SPREAD AND SMOKE DEVELOPED RATINGS.*

1. Carpet Flammability: Pass pill test, ASTM D 2859 (DOC FF-1-70).
2. Radiant Panel Test: Meet NFPA Class I [Class II].
3. Smoke Density Test: Density of 450 or less; NFPA No. 258.
4. Static Electricity: 3.0 KV max. at 70 deg. F and 20% RH, AATCC 134.

**PART 2 - PRODUCTS**

*CONSULT INTERIOR DESIGN FOR CARPET TYPES.*

**2.1 CARPET TYPE NO. 1**

- A. Manufacturer and Style: Subject to compliance with requirements, provide the following:

**2.2 CARPET TYPE NO. 2**

- A. Manufacturer and Style: Subject to compliance with requirements, provide one of the following:

**2.3 CARPET MATERIALS AND CONSTRUCTION**

- A. Fabric: Antron Nylon.
- B. Primary Backing: Mill's standard weight of woven or nonwoven polypropylene, or woven polyester carpet backing.
- C. Back Coating: 15 oz. per sq. yard (min.) of latex adhesive or similar coating; which will provide a min. tuft bind of 8 lbs. for looped pile, 6 lbs. for cut pile, ASTM D 191.

**2.4 WALL BASE**

**DELETE BELOW IF WALL BASE WILL BE SPECIFIED IN THIS SECTION.**

- A. Provide wall base for each area scheduled to receive carpet. Comply with the requirements for wall base specified in Division 9 Section "Resilient Flooring" for the following types of base:

**SELECT ONE OF THE TYPES BELOW.**

1. Rubber top-set type with cove toe.
2. Vinyl top-set type with cove toe.

**DELETE BELOW IF WALL BASE IS REFERENCED TO RESILIENT FLOORING SECTION.**

- B. Provide wall base for each area scheduled to receive carpet.

**2.5 MISCELLANEOUS MATERIALS AND CARPET ACCESSORIES**

- A. Nonmetallic Edge Guard: Black vinyl or rubber.
- B. Installation Adhesive: Water-resistant carpet adhesive of type recommended by carpet mill.
- C. Seaming Cement: Hot-melt type recommended by mill.
- D. Miscellaneous Materials: Adhesives, tapes, thread, nails, staples and similar products of type recommended by mill and installer.

**PART 3 - EXECUTION**

**3.1 PREPARATION**

- A. In general: Prepare substrates as required to receive new materials. Remove dirt and debris from substrate. Adhesive removal is included in Division 2 Section "Selective Demolition."

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- B. Where uneven floor levels or holes occur, fill, patch, and provide underlayment as required to level surface prior to installation of finished floor material. Underlayment may be latex cement as applicable.

*REQUIREMENT BELOW IS INTENDED TO LIMIT CLAIMS FOR EXTRAS. INCREASE OR DECREASE AREA PERCENT BASED ON YOUR JUDGMENT, OR DELETE ENTIRELY FOR NEW CONCRETE FLOORS.*

1. Patching is required for approximately [not less than] 20 percent of the gross floor area of the Project.

*INCLUDE BELOW FOR LARGE AREAS OF PATCHING OR LEVELING. COORDINATE WITH "CONCRETE FLOOR UNDERLAYMENT" SECTION.*

2. Floor patching and leveling is included in Division 3 Section "Concrete Floor Leveling."

- C. Clean floors and apply substrate primer (if recommended by flooring manufacturer) in accordance with flooring manufacturer's instructions.

### **3.2 CARPET INSTALLATION**

- A. Clean surfaces to be carpeted; scrape up cementitious and resinous deposits; vacuum.
- B. Pre-plan installation for uniform direction of pattern and lay of pile, and proper sequencing with other work. Locate seams centered under doors and without seams in direction of traffic at doorways and similar traffic patterns. Extend carpet under removable obstructions and into closets and alcoves.
- C. Provide glue-down installation. Apply adhesive, butter cut edges with seaming cement, butt edges tightly together, and roll lightly. Install edge guards at exposed edges. Bind edges with cloth tape and thread where not concealable.
- D. Clean adhesive and cement from face of carpet promptly; replace carpet which cannot be cleaned.
- E. Save carpet scraps, defined as mill ends less than 9 feet long and pieces larger than 3 sq. ft. in area and wider than 8 inches, and deliver to Owner's storage space as directed. Dispose of smaller pieces.

*DELETE ARTICLE BELOW IF NO WALL BASE INCLUDED.*

### **3.3 WALL BASE INSTALLATION**

- A. Apply wall base in lengths as long as practicable to walls, columns, and all permanent fixtures and where indicated. Mitered outside corners not acceptable. Apply base to fixed laboratory cabinetry as follows:
1. Base cabinet toe spaces.
  2. Exposed sides of base cabinets.
  3. Filler and closure panels extending to floor.

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**3.4 CLEANING AND REPAIR**

- A. Vacuum completed carpet installation with beater-in-nozzle type commercial vacuum cleaner. Remove any protruding face yarn with sharp scissors.
- B. Return to installation at time convenient to Owner and occupants, approximately 6 months after occupancy, repair faulty seams and other faults in installation.

**END OF SECTION 09680**