

**DIVISION 9 – FINISHES**

**09 2000 GYPSUM BOARD ASSEMBLIES**

- A. Drywall finish: Drywall finishing to conform to Level 5 finish in accordance with Association of Wall and Ceiling Industries (AWCI). Drywall MUST continue completely to floor substrate. No gaps between floor and drywall that will show thru base material and provide inadequate backing for base material.
- B. In instances where wallboard is used on classroom corridors, a four (4) feet high wainscot is to be applied to the wall. Choice of wainscot to be reviewed with CMU. Wainscot is to address wear issue in corridors.
- C. Chair rails: Install in classrooms with drywall finish and tablet arm chairs, can be wood, fiberglass, vinyl, or plastic. Install at proper height to protect wall surface against chair backs and tablet arms.
- D. In corridors or where shelving standards are to be mounted on walls for shelving (such as standard condition for CMU offices) use USG 5/8" Fiberrock brand abuse resistant gypsum panels
  - a. Ensure that proper blocking is installed within the wall system to support objects mounted on the wall surface prior to the installation of gypsum board.
- E. Popcorn or other spray applied textures on ceiling or walls are not acceptable.
- F. Brushed, knock down textured finishes are acceptable for ceilings in common spaces and bedrooms of housing units.

**09 3000 TILE**

- A. Where hard tile are used a cleavage membrane shall be used at control joints in concrete floor substrate.
- B. When quarry tile is used for flooring, epoxy grout shall be specified and tile shall be 12" x 12". Also two coats of sealer shall be specified. One coat applied to tile prior to installation of epoxy grout and the second coat applied after grout is installed and tile are cleaned, prior to turn over of space to the Owner.

**09 5000 SUSPENDED ACOUSTICAL CEILINGS**

- A. Acoustic tile ceilings: 2' x 2' exposed T grid for ease of access. Grid face width shall be 15/16". Avoid concealed spline type. Tile can be factory finished to provide 2 x 2 or 1 x 1 appearance. Tiles shall be 2' x 2', USG Radar with reveal.
- B. Where edges are field cut, paint, or touch-up edges to match finish color of tile.

**09 6300 MASONRY FLOORING**

- A. Apply penetrating sealer on all exposed interior concrete finishes.

**09 6500 VINYL FLOOR FINISH**

- A. Vinyl tile: 12" x 12" x 1/8", Vinyl floor finish is to be used in areas subject to spills, or other areas where carpet is not suitable, such as hallways and classrooms. In areas of high traffic, high humidity, or subject to abuse, more durable tile finishes should be used.
- B. Vinyl floor and adhesives should have no or low VOC emissions.
- C. Vinyl floor finish, sheet or tiles shall be commercial grade, through-color construction, moisture, stain and chemical resistant and static control type.
- D. CMU requires that a minimum of 3 coats of wax be installed on all VCT floors. The contractor is required to provide a written statement guaranteeing the 3 applications.

**09 6800 CARPET**

**NEW CONSTRUCTION PROJECTS**

- A. Section Includes: Work included in this Section shall consist of furnishing all labor, materials, equipment and incidentals required for complete installation of all carpeting, mentioned or scheduled on the drawings and/or herein, including underlayment if required and all carpet related accessories.
- B. Carpet Materials:
  - 1) Carpet shall conform to applicable codes for flame/fuel/smoke rating.
  - 2) Carpet shall meet Green Label Certification.
  - 3) All carpet backing shall be a moisture barrier backing.
- C. Product:
  - 1) Recycled Content Materials: Use materials with post-consumer or post-industrial recycled content.
  - 2) Low Emitting Materials: Utilize finish materials which have low levels of volatile organic compound off-gassing. Typical recommended maximum levels for carpeting – 0.5 mg/sq. meter/ hr., adhesives 10mg/sq.meter/hr.
  - 3) Carpet Adhesive: Utilize adhesives that have low levels of volatile organic compound (VOC's).
  - 4) Vinyl Cove Base: Use 4" base. Specify materials and products that comply with the Carpet and Rug Institute's (CRI) Green Label Plus standard and the Scientific Certification Systems (SCS) FloorScore standard and contribute to meeting the requirements of LEED-NC 2.2 MR Credits 4 and 5; and EQ Credit 4.3.
  - 5) Vinyl Cove Base Adhesive: Utilize adhesives that have low levels of volatile organic compound (VOC's).
- D. Acceptable Installation Locations: Carpet shall only be installed in approved areas such as: auditoriums; offices; residence hallways; office suites and residence apartments. Exceptions must be approved by the Director of Plant Engineering and Planning.
- E. Submittals: Shop drawings – Indicate seaming plan, method of joining seams and direction of carpet. Where metal edging is required at change of floor materials, etc. Architect/Owner will reject any layout which, in his opinion contains excessive seams.

- F. Samples: Submit two 12" x 12" samples illustrating color and pattern for each carpet and cushion material specified.
- G. Carpet Production/Delivery:
- 1) All carpet in each color shall be manufactured at one time and all face yarn for each color of the same dye lot.
  - 2) All carpet delivered to the job site, must have manufacturer's identification tags attached and intact.
  - 3) A sample of each carpet cut from the roll shall be attached to the roll for purposes of inspection. Mark by tagging each article which is to be furnished and installed under this contract with each tag showing the following information in sequence:
    - a) Floor number
    - b) Room number
    - c) Dye lot and color run
    - d) Material number
- H. Examination and Preparation:
- 1) Verify that substrate surfaces are smooth and flat with maximum variation not exceeding ¼ inch in 10ft and are ready to receive work.
  - 2) Fill low spots and other defects with sub-floor filler.
  - 3) Vacuum floor surfaces.
- I. Installation (adhesive applied carpet):
- 1) Schedule carpet to be installed only after all construction and finish work on the building has been completed.
  - 2) Install adhesive and carpet materials in accordance with manufacturer's instruction.
  - 3) Plan seam locations for perpendicular seam locations not to occur at doorways. Horizontal doorway seams and joints shall be centered directly under door.
  - 4) All edges cut for seaming must be treated with a seam sealer. The sealer is to be applied along the edge of the carpet at the point where the face yarn goes into the back. Open or separated seams causing secondary back separation is installation responsibility.
- J. Cleaning:
- 1) After proper installation is complete the contractor is responsible for cleaning up all dirt and debris and to clean carpet of all spots with proper spot remover.
  - 2) Remove all loose threads with sharp scissors and vacuum clean.
  - 3) The entire work area shall be left clean and in an approved condition.
- K. Extra Material: Provide a carpet overrun, over and above the amount figured for waste, of not less than 3%. Upon delivery, furnish verification of total yardage delivered by mill, showing exact amount of overrun. Extra carpet becomes the property of the Owner. Contractor is responsible for coordinating delivery of extra carpet to owner. Provide a carpet tile overrun of not less than 6% of each carpet tile color selected
- L. Closeout and Warranty:
- 1) Furnish three (3) copies of the carpet manufacturer's recommendations for care, cleaning and maintenance for the carpet installed.

- 2) Furnish a written manufacturer's warranty certifying the use of first quality materials and guaranteeing the carpet against defects in workmanship and material for a minimum of five (5) years from the date of substantial completion.
- 3) Furnish a written installation warranty and provide any service required to correct material or installation as outlined in this specification, at no charge to the Owner for two (2) years from the date of substantial completion. Included in this warranty shall be the provision against unevenness of the carpet, or the loosening of any seams or edges.

#### **REMODELING, RENOVATION AND MAINTENANCE PROJECTS**

- A. Section Includes: Work included in this Section shall consist of all labor, materials, equipment and incidentals required for complete installation of all carpeting, mentioned or scheduled on the drawings and/or herein, including underlayment if required and all carpet related accessories.
- B. Acceptable Installation Locations: Carpet shall only be installed in approved areas such as: auditoriums; offices; residence hallways; office suites and residence apartments. Exceptions must be approved by the Director of Plant Engineering and Planning.
- C. Product: Carpet shall be furnished by the Owner.
  - a. Low Emitting Materials: Utilize finish materials which have low levels of volatile organic compound off-gassing. Typical recommended maximum levels for carpeting – 0.5 mg/sq. meter/ hr., adhesives 10mg/sq.meter/hr.
  - b. Carpet Adhesive: Utilize adhesives that have low levels of volatile organic compound (VOC's).
  - c. Vinyl Cove Base: Use 4" base. Specify materials and products that comply with the Carpet and Rug Institute's (CRI) Green Label Plus standard and the Scientific Certification Systems (SCS) FloorScore standard and contribute to meeting the requirements of LEED-NC 2.2 MR Credits 4 and 5; and EQ Credit 4.3.
  - d. Vinyl Cove Base Adhesive: Utilize adhesives that have low levels of volatile organic compound (VOC's).
- D. Submittals: Shop drawings – Indicate seaming plan, method of joining seams and direction of carpet. Where metal edging is required at change of floor materials, etc. Architect will reject any layout which, in his opinion contains excessive seams.
- E. Examination and Preparation:
  - a. Verify that substrate surfaces are smooth and flat with maximum variation not exceeding ¼ inch in 10ft and are ready to receive work.
  - b. Fill low spots and other defects with sub-floor filler.
  - c. Vacuum floor surfaces.
- F. Installation (adhesive applied carpet):
  - a. Schedule carpet to be installed only after all construction and finish work on the building has been completed.
  - b. Install adhesive and carpet materials in accordance with manufacturer's instruction.
  - c. Plan seam locations for perpendicular seam locations not to occur at doorways. Horizontal doorway seams and joints shall be centered directly under door.
  - d. All edges cut for seaming must be treated with a seam sealer. The sealer is to be applied along the edge of the carpet at the point where the face yarn goes into the back. Open or separated seams causing secondary back separation is installation responsibility.
- G. Cleaning:

- a. After proper installation is complete the contractor is responsible for cleaning up all dirt and debris and to clean carpet of all spots with proper spot remover.
  - b. Remove all loose threads with sharp scissors and vacuum clean.
  - c. The entire work area shall be left clean and in an approved condition.
- H. Extra Material: Upon delivery, furnish verification of total yardage delivered by mill, showing exact amount of overrun. Extra carpet becomes the property of the Owner. Contractor is responsible for coordinating delivery of extra carpet to owner.
- I. Closeout and Warranty:
- a. Furnish three (3) copies of the carpet manufacturer's recommendations for care, cleaning and maintenance for the carpet installed.
  - b. Furnish a written installation warranty and provide any service required to correct material or installation as outlined in this specification, at no charge to the Owner for two (2) years from the date of substantial completion. Included in this warranty shall be the provision against unevenness of the carpet, or the loosening of any seams or edges.

#### **09 7000 WALL COVERING**

- A. Use of specialty wall coverings such as sisal or burlap is prohibited.

#### **09 9000 PAINTS & COATINGS**

- A. Paint: Refer to Central Michigan University Master Interior Paint Color Palette.
- B. Wood with natural finish should not be stained – it is very difficult to repair the finish. Use clear polyurethane varnish.
- C. Design Professional shall require, in the Specification, that the painter is responsible for protecting hardware when painting doors. If not protected adequately and hardware is painted, to any degree, hardware is to be replaced at painters expense.
- D. UNIVERSITY PIPE COLOR CODE
  - 1. See Division 23 - Piping Identification and Valve Tagging Standard.

#### **09 9700 SPECIAL COATINGS**

09830. Elastomeric Coatings: If coatings specified can be applied with equipment ordinarily used by painters, these coatings may be specified in section entitled Paints & Coatings.

09840. Fire Resistant Coatings: The following provisions must be included in specifications:

Qualifications of Applicator. Application of materials shall be made only by applicators franchised and approved for use. Applicator shall furnish the manufacturer's certification that materials delivered to the project meet requirements specified. Certification shall be countersigned by the applicator who shall assume the responsibility of complying with the manufacturer's specifications. Materials and application equipment shall be of type approved by the manufacturer.

END OF SECTION

**DOCUMENT CONTROL PAGE:**

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2.8.12	Incorporated standards from Division 1	Steve Lawrence
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