DESIGN GUIDELINES
AND
TECHNICAL STANDARDS
DIVISION 9 – FINISHES

SECTION 09 2900 – GYPSUM BOARD

1. General: This section outlines the requirements for gypsum board systems.

2. Design Considerations:
   a. Acoustically Rated Walls: Partitions or assemblies with an STC of 45 or higher.
   b. Inspection of Acoustic Insulation and Sealants:
      i. Prior to installing drywall on the second side of acoustically rated partitions, Architect/Engineer and/or Northwestern University shall be given the opportunity to confirm proper installation of acoustic products.

3. Cementitious Backer Board: Provide one of the following
   a. Durock Cement Board by USG.
   b. Wonderboard.

4. Field Constructed Mock-Ups:
   a. Review requirements for mock-ups with the NU Project Manager.
   b. Prior to installation of drywall systems, erect sample walls to indicate the construction of the following partitions types to confirm details for vapor barrier and acoustically rated partitions.

END OF SECTION
DIVISION 9 – FINISHES

SECTION 09 3000 – TILE

1. General: This section outlines the requirements for tile:

2. Design Considerations:
   a. Tile Finishes: Review materials, colors, and finishes with NU Project Manager during the design phase.
   b. Tile Grouts: Avoid light colored grouts on floors and other horizontal surfaces.

END OF SECTION
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DIVISION 9 – FINISHES

SECTION 09 6500 – RESILIENT FLOORING

1. General: This section outlines the requirements for resilient flooring.

2. Design Considerations:

   a. Finishes: Review materials, colors, and finishes with NU Project Manager during the design phase.

   b. Accessories:

      i. Wall Base: Minimum 6-inch height is recommended.

   c. Architect shall review the following Contractor requirements with the NU Project Manager and include in the Construction Documents:

      i. Initial Cleaning and Sealing: Dry-mop, removing all dust and debris. Clean surface with a neutral cleaner using green pad and floor machine. Clean with a fine abrasive where necessary to remove any stains or cement smears. Clean edges, baseboards, door jambs, and corners using a Doodle Bug pad and holder with a green pad. Pick up all solutions using a wet/dry vacuum. Thoroughly rinse twice with clear water.

      ii. Sealing: Where required, apply two coats of water-based sealer and 3 coats of water-based finish using a fine strand rayon mop. Allow a minimum of 45 minutes between coats. All prior coats shall be dry to the touch before any subsequent coats are applied. Apply first coat of sealer and first coat of finish wall to wall. Stop subsequent coats of sealer and finish 1” from baseboards, door jambs, and other vertical edges.

      iii. Protection: Cover floor surface, and protect from soiling, staining, marring, scratching, and other damage. Construction traffic, including foot traffic, is strictly prohibited on completed surface. Maintain protection until final completion unless floor is put into service at time of substantial completion.


END OF SECTION
DIVISION 9 – FINISHES

SECTION 09 6600 – TERRAZZO FLOORING

1. General: This section outlines the requirements for terrazzo flooring:

2. Design Considerations:

   a. Materials and Finishes: Review materials, colors, and finishes with NU Project Manager during the design phase.

   b. Architect shall review the following contractor requirements with the NU Project Manager and include in the Construction Documents:

      i. Initial Cleaning and Sealing: Dry-mop, removing all dust and debris. Clean surface with a neutral cleaner using green pad and floor machine. Clean with a fine abrasive where necessary to remove any stains or cement smears. Clean edges, baseboards, door jambs, and corners using a Doodle Bug pad and holder with a green pad. Pick up all solutions using a wet/dry vacuum. Thoroughly rinse twice with clear water.

      ii. Sealing: Apply two coats of water-based sealer and 3 coats of water-based finish using a fine strand rayon mop. Allow a minimum of 45 minutes between coats. All prior coats shall be dry to the touch before any subsequent coats are applied. Apply first coat of sealer and first coat of finish wall to wall. Stop subsequent coats of sealer and finish 1” from baseboards, door jambs, and other vertical edges.

      iii. Protection: Cover terrazzo surface, and protect from soiling, staining, marring, scratching, and other damage. Construction traffic, including foot traffic, is strictly prohibited on completed surface. Maintain protection until final completion unless terrazzo is put into service at time of substantial completion.

END OF SECTION
DIVISION 9 – FINISHES

SECTION 09 6800 – CARPET

1. General: This section outlines the requirements for carpet.

2. Design Considerations:
   a. Finishes: Review materials, colors, and patterns with NU Project Manager during the design phase.

3. Materials:
   a. Glue-Down Installation:
      i. Construction: Woven, Unitary, Enhancer/Cushion back.
      ii. Yarn: Dupont Antron Nylon or equivalent.
      iii. Yarn Weight: 28 oz. minimum.
      iv. Yarn color: Yarn dyed.
      v. Stitching: 8.0 per inch minimum.
      vi. Primary backing: Polypropylene or equivalent.
      vii. Secondary backing: Interlocked with face yarn or unitary.
      ix. Smoke Density: 450 or less in a flaming mode ASTM E-622.
      x. Static Propensity: Less than 3.5 KVA ATCC -134
      xi. Warranty minimum: 10 yr. wear and edge ravel, 15 yr. tuft bind
   b. Tackless Installation:
      i. Construction: Woven, Tufted with double back unitary, (i.e. sur_lock, duralock, unibond)
      ii. Yarn: Dupont Antron Nylon or equivalent.
      iii. Yarn Weight: 28 oz. minimum.
      iv. Yarn color: Yarn dyed.
      v. Stitching: 8.0 per inch minimum.
      vi. Primary backing: Polypropylene or equivalent.
vii. Secondary backing: Polypropylene or equivalent.


ix. Smoke Density: 450 or less in a flaming mode ASTM E-622.

x. Static Propensity: Less than 3.5 KVA ATCC -134

xi. Warranty minimum: 10 yr. wear and edge ravel/no zipper, 15 yr. tuft bind

c. Provide 38 oz. minimum yarn weight at steps and classroom risers with rubber nosings.

d. Elevators: Review special fire retardant code requirements for elevators.

e. Require manufacturer to certify, in writing, that product is appropriate for the intended use.

2. Installation:

a. Perform installation in accordance with manufacturer’s instructions, except where more stringent requirements are shown or specified, and except where project conditions require extra precautions or provisions to ensure satisfactory performance of the work.

b. Seams: Using carpet manufacturer’s recommended procedures, form secure seams capable of sustaining expected stresses without failure for the life of the installation.

a. Provide samples and seaming diagrams for all areas before proceeding with carpet installation.

END OF SECTION
DIVISION 9 – FINISHES

SECTION 099 000 – PAINTING

1. General: This section outlines the requirements for interior and exterior painting.

2. Design Considerations:
   a. Colors: Northwestern has standardized the following Benjamin Moore white paint colors on campus. The intent is to provide a range of standard white colors that architects can specify.
      i. Decorators White
      ii. Bone White
      iii. White Dove
      iv. China White
      v. Linen White
      vi. Super White for ceilings and soffits.

3. Submittals: Provide for each coating system, color, and texture; apply to representative substrate samples. Prepare samples to show bare, prepared surface and each successive coat. Label each sample with coating name manufacturer type and color, name and/or number.

4. Manufacturer: Top line products of Benjamin Moore & Company. Pratt & Lambert may be used for wood finishing products.
   a. Colors: For multi-coat systems, apply each coat using a successively darker tint or shade, unless approved otherwise.
   b. Top coat colors: As indicated in color schedule.

5. Prime Coats:
   a. Thinned top coats are not permitted as primers.
   b. Field apply bottom coats scheduled except where the contract documents require shop coating of ferrous metals. Ferrous metals that have not been shop primed shall be field primed promptly after arrival at the site or shall be stored away from the effects of weather. Repair and retouch damaged prime coats using approved, compatible primer.
   c. Primers for Wood and Wood Products: Apply first coat to wood upon receipt at the site and before wood is exposed to sun or rain.
6. Schedule of Coatings for Interior Non-Traffic Surfaces:
   b. Concrete Masonry Units - Filled Finish: As scheduled, Latex, satin or Tile-like epoxy, low gloss.
   c. Concrete and Masonry: As scheduled, Latex, satin or Tile-like epoxy, low gloss.
   d. Wood: As scheduled, Latex, satin. Varnish, satin (stained wood).
   e. Ferrous Metal: Latex, satin, low gloss.
   f. Galvanized Metal: Latex, gloss.
   g. In extraordinary cases, such as very high use doors or windows, or in laboratories, oil base or epoxy may be necessary. Request University approval prior to specifying.

7. Schedule of Coatings for Interior Traffic Surfaces:
   a. Concrete: Epoxy floor enamel.

8. Schedule of Coatings for Exterior Surfaces:
   a. Concrete Masonry Units - Filled Finish: Latex.
   b. Ferrous Metal: Latex, gloss.
   c. Galvanized Metal: Latex, gloss.

9. Project Closeout:
   a. Schedule of Installed Coatings: At the completion of the project, Architect shall require that Contractor provide a complete listing of all coatings. Include manufacturer, product name, primer and top coats, number of coats, application methods and a detailed diagram of colors by location.