

SECTION 090000 - FINISHES

PART 1 - GENERAL

1.1 RELATED SECTIONS:

Refer to Section 030000 for the requirements relating to concrete; including concrete exposed to the exterior.

Refer to Section 040000 for the requirements relating to masonry; including the preferences and prohibitions relating to exterior wall materials.

Refer to Section 050000 for the requirements relating to metals; including structural metal framing and cold formed metal framing (metal studs).

Refer to Section 070000 for the requirements relating to thermal and moisture protection; including waterproofing, damp proofing, water repellents, vapor retarders, air barriers, insulation, exterior insulation and finish systems, fireproofing, fire stopping, and roofing.

Refer to Section 090600 for table noting flooring, walls, ceiling, etc. for specific room types.

1.2 SCOPE OF SECTION:

This section contains the requirements relating to finishes. This includes Colors, Lath and Plaster, Gypsum Drywall, Ceramic Tile Walls and Floors, Flooring and Resilient Base, Concrete, Carpet, Suspended Tile Ceiling, Painting, and Wall Coverings.

1.3 GENERAL:

Maintenance stock for each color, type, pattern etc. of the following materials (and others as appropriate) shall be provided. Each is to be packaged, protected, identified, and stored by the contractor and turned over to the University as specified in specifications.

- A. Carpet - 2% of installed amount. Minimum of 5 square yards.
- B. Wall coverings - 5 linear yards
- C. Tile (floor, wall, ceilings, etc.) - 1% of installed amount. Minimum of 10 square feet.

1.4 COLORS:

- A. ECU Colors: The ECU purple and gold are mixed by Facilities Services. The pantone colors are ECU Purple - PMS-527C and ECU Gold - PMS-109C.
- B. Handrails: In mechanical spaces, ferrous handrails shall be painted OSHA safety yellow. Otherwise, refer to Section 050000-Metals.

1.5 LATH AND PLASTER:

Interior Wall Finish: Gypsum board is the standard interior wall finish, two-coat or three-coat plaster over metal lath may be used under special circumstances. Texture shall be smooth or match existing.

1.6 GYPSUM DRYWALL:

- A. Gypsum Wallboard: ASTM C36. Thickness: 5/8-inch minimum, type X.

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- B. Water Resistant Gypsum Wallboard: ASTM C630. Thickness: 5/8-inch minimum.

1.7 CERAMIC TILE WALLS AND FLOORS:

- A. Floors and a minimum of wainscot height of restroom walls shall be finished with ceramic tile. Full height of shower areas shall be finished with ceramic tile.
- B. Glass mesh mortar units (portland cement tile backer board, Wonderboard, Latipanel, Durock specifically manufactured to provide a waterproof base) in wet areas.
- C. Shower Pan and Waterproof Membrane: Shower stalls require Chloralay 240 waterproof shower pans or waterproof elastomeric coating with a minimum 12" turn up on all walls and corners or in accordance with manufacturer's recommendations. Provide membrane that is compatible with setting mortar and grout.
- D. Stone Thresholds: Honed marble to match existing.
- E. Tile Floors: Non-slip finish.
- F. Base: No wooden base shall be used. Ceramic base shall be used in wet areas; rubber base shall be used in other areas.

1.8 FLOORING AND RESILIENT BASE:

- A. General:
 - 1. Ceramic tile, terrazzo, or similar materials are preferred in heavy traffic areas, otherwise use vinyl composition tile.
 - 2. Laboratories shall be monolithic systems with no seams or cracks.
 - 3. Where applicable, main computer rooms shall be raised removable panels supported on interconnecting grids and pedestals providing an under floor plenum for air distribution and utilities where the extra utilities access is needed for these rooms.
 - 4. Animal use areas shall have a non-porous epoxy quartz flooring system, equal to that installed by Life Science, and shall slope to drain. Materials used in this installation shall be approved Department of Comparative Medicine via Project Manager.
- B. Vinyl Composition Tile (VCT):
 - 1. Size: 12" x 12"
 - 2. Composition: Asbestos free
 - 3. Gauge: 1/8"
 - 4. Colors: Designer shall make effort to match existing color scheme in an effort to reduce maintenance stock.

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- C. Rubber Base: Provide rubber base in all corridor locations.
 - 1. Height: 4 inches, except as needed to match existing.
 - 2. Thickness: 1/8 inch gage
 - 3. Style: Standard top set cove at hard floors and straight base without cove at carpet.
 - 4. Finish: Matte
 - 5. Base Accessories: Pre-molded end stops and external corners of the same material, size, and color of base.
 - 6. Colors: Designer shall make effort to match existing color scheme in an effort to reduce maintenance stock.
- D. Stair treads, risers, and landings: All interior stairs shall have rubber treads, risers, and landings with slip resistant surfaces.
- E. Classrooms: VCT, no carpet, in all classrooms.

1.9 CONCRETE:

All indoor concrete floors shall be sealed as a minimum. Unfinished concrete is not acceptable. Sealer or finish shall be non-skid. Finish shall be a steel trowel, smooth finish.

1.10 CARPET GLUE DOWN:

- A. All carpet shall meet the specifications of the North Carolina Purchasing & Contract Office.
- B. Carpet adhesives shall be of low odor/solvent content.
- C. All carpet shall be glue down. At carpet tile applications, glue shall be full spread.

1.11 SUSPENDED TILE CEILING:

- A. Tiles should be 2'x2'x5/8", smooth or tegular edge. 2'X4' ceiling tiles shall not be accepted. Special applications require consultation with Project Manager. The standard Facilities Services replacement tiles include Armstrong 770 Cortega square lay-in for smooth edge applications and Armstrong 704A Cortega angled tegular for tegular edge applications.
- B. Suspension grid shall be heavy-duty aluminum with white finished exposed tee, nominal 1" wide, fire rated. "Chicago Metallic", 1200 Series.
- C. In vestibules, entrance areas, and other locations where high winds can enter buildings, the ceiling tiles shall be installed with hurricane clips.
- D. No spline joint ceiling tile systems.

1.12 PAINTING:

- A. General:
 - 1. At the Health Sciences Campus, latex eggshell paint shall be used for all

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general-use wall and ceiling applications. At the Main Campus, latex semi-gloss paint shall be used for all general-use wall and ceiling applications.

2. Trim paint shall generally be oil-based paint.
3. Waterborne epoxy paint shall be used as directed by Project Manager.
4. Basic poly-mix paints shall not be allowed unless approved by Project Manager.

B. Schedule: Areas requiring specific paint types and colors are as follows:

1. Preferred colors are listed. Alternate colors or colors to match existing shall be approved by Project Manager.
2. Classroom, Laboratory, and Office Walls:
 - a. (Duron) Baby's Breath 5380W
 - b. (Duron) Carriage House 5381W
 - c. (Duron) Oyster White 5910
 - d. (Duron) Shell White 5770
 - e. (Duron) Northbeach
 - f. (Duron) Pure White
3. Exterior and Interior Steel Doors and Frames:
 - a. (Glidden) Architectural Brown – exterior on Main Campus
 - b. (Duron) Carriage House 5381W – interior on Main Campus
 - c. (Duron) Gunsmith
 - d. (Duron) Colonial White
4. Wood Doors and Natural Finish Woodwork (Interior and Exterior):

Interior Wood Doors shall be finished to match other existing doors in a building. If the building is new or if all the doors in a given area of an existing building are new, and matching adjacent existing doors is not an issue, then all new wood doors shall have one coat of dark walnut stain and two coats of gloss polyurethane varnish. Birch and Oak doors require two coats of stain. Allow twelve hours between coats. Recommend one coat of sand and sealer and two coats of polyurethane.
5. Painted Ceilings: (Glidden) Ceiling White
6. Mechanical, Electrical, Elevator and Telecommunication Rooms:
 - a. Walls: Reference 2 above as appropriate
 - b. Trim: Reference 3 above as appropriate
 - c. Floors: Hardener & clear sealer

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7. Acceptable Manufacturers: Comply with current state contract as a minimum.

1.13 WALL COVERINGS:

Due to problems with maintaining vinyl wall coverings over a period of time, use of wall coverings is not preferred and shall not be specified in heavy use areas such as classrooms and hallways. Use of wall coverings is subject to approval of Project Manager.

1.14 ACOUSTICAL PANELS:

Acoustical panels shall not be placed in areas subject to continuous contact with building occupants. Material should be soil and stain resistant.

1.15 CHAIR RAILING:

A nominal 6" chair rail shall be specified. 34" centerline is typical or as required based on specified furniture. Painted wood or polycarbonate is preferred. Project Manager shall approve any variations.

1.16 SECTIONALIZING SWITCHES AND TRANSFORMERS:

- A. All exterior cabinet color for sectionalizing switches and transformers for the main campus shall match Devco Devguard - Catalog Number 4308-7460, "Alkyd Industrial Gloss Enamel Architectural Brown".
- B. All exterior cabinet color for sectionalizing switches and transformers for the Health Sciences Campus and West Research Campus shall match Sherwin Williams Piedmont Green {B54 T 104} Industrial & Marine Coatings.

END OF SECTION

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