

Design and Construction Standards

Division 12 Furnishings

General

1. Finish Selections: All materials, colors, finishes, product specifications, applications and details are to be compiled and submitted by the Professional for approval of the Physical Plant Project Manager prior to the final development of the Construction Documents.
2. All materials shall meet or exceed the Building Code and University use requirements for the area.
3. In remodeled areas, repairs, or extension of existing furnishing systems, all material patches shall blend as close as possible. Work to existing corners, room edges, or clearly defined transitions.
4. LEED Policies: The University promotes energy efficient green design, construction and building operations. Whenever possible, materials are to be selected and specified following the United States Green Building Council LEED (Leadership in Energy and Environmental Design) Green Building Rating System® consensus-based national standard for developing high-performance, sustainable buildings. Refer to the website: <http://www.usgbc.org/>.
5. The Professional shall specify only finishes that require minimal maintenance and can be easily maintained by the University.

Finishes for all Furnishings:

Requirements:

1. All Furnishings:
 - a. Code compliance for Flame and Smoke Spread ratings per the current building and regulatory agency codes.
2. Furniture:
 - a. Color shall be manufacturers standard with Black or Gray painted metal. Other colors may be used when approved by the Physical Plant. This shall be used for all:
 - i. Plastics, rubbers, vinyls, edge bands, and similar composite materials.
 - ii. Fabrics, upholstery, or similar woven materials
 - b. For metal components finishes shall be manufacturers standard:
 - i. Factory painted black
 - ii. Brushed aluminum (nickel or stainless)
 - iii. Chrome
 - c. For Plastic Laminate surfaces, finishes shall be manufacturer's standard grade laminate, neutral finish, with patterned finish.

Recommendations:

1. Refer to specific furnishing descriptions in this standard for other Recommendations.

Other:

1. Refer to the Architectural / Engineering Standards for Design and Construction Documents for information regarding room finishes. Intent is that furnishings and accessories are compatible in design, finish, and overall aesthetic with the surrounding space.
2. The Professional shall prepare both Furnishing Schedules, Finish Material Schedules, etc. and submit these for EMU approval prior to completion of the Construction Documents.
3. The Professional shall clearly note all finishes and their extent of coverage on the drawings and specifications using room finish schedules and include notations on elevations and details.
4. The Professional shall prepare a paint, stain, and coatings schedule listing all surfaces in generic terms, all coating or finish operations, the types of finish materials and the number of coats of each material. This schedule shall be included in the Specifications.

Section 12 10 00 Art

1. Under Construction

Section 12 20 00 Window Treatments

1. Window Treatments:
 - a. Shades, Blinds, and/or Fabrics (curtains, draperies, etc.) shall be manufacturer's standard light gray or light tan. Other colors may be used when approved by the Physical Plant.
2. Window Shade Systems
 - a. A. ASTM G 21 - Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi; 1996 (Reapproved 2002).
 - b. B. NFPA 70 - Fire Tests for Flame-Resistant Textiles; 2004.
3. Warranty
 - a. Roller shade hardware, chain and shade fabric: Manufacturer's standard non-depreciating twenty-five year limited warranty.
 - b. Roller Shade Installation: One year from date of Substantial Completion, not including scaffolding, lifts or other means to reach inaccessible areas
 - c. Store and handle shades to prevent damage to fabrics, finishes, and operators prior to installation.
4. Manufacturers
 - a. Hunter Douglas: www.hunterdouglas.com.
 - b. SWF Contract: www.swfcontract.com
 - c. Owner accepted equal

5. Shade Systems
 - a. Shade System: Manual window shades, single and double shades
 - b. Fabric
 - i. Fabric: Double Shades and Solar Control Shades
 1. Double shade: Basketweave
 2. Single shade: Basketweave
6. Manually Operated Window Shade System Applications
 - a. Products:
 - i. All classrooms: Double Shade #10 Bracket System (horizontal) with Fascia. Description: manual operating interior, chain drive "double" solar and room darkening blackout roller shades, operating independently of each other, in all exterior windows of classrooms shown on drawings, and related mounting systems and accessories.
 - ii. All office areas: shade with fascia. Description: manual operating, chain drive, sunscreen roller shades in all exterior windows of all offices and office areas as shown on the drawings.
 - b. Chain Operation: Bi-directional wrap spring clutch shall allow for shade to stop and hold at any position.
 - c. Chain Operator Position: Right-hand side, unless otherwise noted on drawings.
 - i. Bead Chain: No. 10 stainless steel.
 - d. Clutch mechanism: Fabricated from high carbon steel.
 - i. Components fabricated from styrene based plastics, polyesters or reinforced polyester **are not acceptable.**
 - e. Shade Components
 - i. Rollers:
 1. Shade roller tube shall be extruded aluminum of diameter and wall thickness required to support shade fabric. Maximum, allowable deflection $L/700$.
 - ii. Rollers shall be easy to remove from support brackets.
 - iii. Mounting Brackets: Stamped steel, custom fabricated as required for mounting style indicated.
 - iv. Hem bar: Concealed.
 - f. Accessories
 - i. Finish for accessories, unless otherwise noted: Clear anodized aluminum
 - ii. Fascia: L-shaped extruded aluminum shall conceal mounting hardware, roller tube, and fabric rolled on tube.
 - iii. Pocket: Extruded aluminum shall conceal mounting hardware, roller tube, and fabric rolled on tube.
 - g. Shade Fabrication

- i. Shades mounted inside window frame: Window shade system shall completely fill opening from head to sill. Provide 1/4 inch clearance between each side of the shade and jamb, unless indicated otherwise.

Section 12 30 00 Casework

1. Under Construction

Section 12 36 00 Countertops

1. Under Construction

Section 12 40 00 Furnishings and Accessories

1. Under Construction

Section 12 50 00 Furniture

1. Under Construction

Section 12 51 00 Office Furniture

1. Under Construction

Section 12 56 00 Institutional Furniture

1. Under Construction

Section 12 58 00 Residential Furniture

1. Under Construction

Section 12 60 00 Multiple Seating

1. Under Construction

Section 12 93 00 Site Furnishings

1. Under Construction

End of Division 12 – Furnishings