12 Furnishings

NOTE: Significant revisions or additions to the previous standards are highlighted in italics.

GENERAL

Designers shall verify that all applicable portions of these standards are incorporated into the project’s design, drawings, specifications and final construction. Requests for variances from these standards shall be submitted in writing to the DCM Project Manager, using the KU Standards Variance Request Form found in Appendix A1.1, for review and written approval or rejection as indicated on the form.

RELATED DOCUMENTS & REQUIREMENTS

Refer to the following for requirements that also apply to work of this section.

- Division 1 - General Requirements
- Appendix A1.7 - Accessibility
- Division 9 - Finishes: KU standard bronze paint for exterior furnishings.
- Division 10 - Specialties: fire extinguisher requirements in laboratory spaces.
- Division 13 - Special Construction: Bus shelters.
- Section 115313 - Laboratory Fume Hoods
- Appendix A12.1 - Standard of Practice - Furnishings Procurement

WINDOW TREATMENTS – DESIGN GUIDELINES

General: Window treatments shall be bid as a part of the construction project. The method of light control on windows will depend upon the design and program requirements.

Typical KU Window Treatment: Roller shades, or aluminum 1-inch mini blinds. One color shall be selected building-wide for consistent appearance from exterior of building.

Draperies: Traditional draperies are typically discouraged, but may be appropriate in special areas, subject to DCM approval on a project-specific basis.

Light Control: Provide additional light control for windows when necessary to create appropriate environments for video projection and similar functions.

PLASTIC LAMINATE CASEWORK - 123216

General: Plastic laminate casework may be used in areas subject to lower levels of usage and abuse, such as offices and reception areas. Solid polymer or quartz countertops are recommended for kitchenette areas. All hardware shall be heavy-duty.
LABORATORY CASEWORK & EQUIPMENT - DESIGN GUIDELINES

General: Laboratory casework and equipment are considered fixed equipment, even if mobile lab casework, and shall be bid as a part of the construction project. The layout of lab equipment shall include accessible stations in both teaching and research laboratories.

- **EHS Approval**: All laboratory designs must be reviewed and approved by the Director of KU's Environmental Health & Safety Office (EHS) (currently: Mike Russell). Other EHS staff will be involved to review and comment on specialized lab areas, such as those using radioisotopes, and on lab safety procedures and equipment.

- **Lab Classification**: Laboratories at the University of Kansas are generally classified as Class "B", rather than Class "H" spaces, and do not require an out-swinging door. Verify lab door ratings with DCM & EHS; modify door swings accordingly.

- **Exits**: All laboratories shall have two exits, even if the lab contains less SF than codes would require to have two exits. This prevents future citations and additional remodeling work, should more hazardous materials be used within the space at some point in the future.

- **Hazardous Materials Control Areas & Storage**: Control zones for hazardous materials shall be clearly shown on the code footprint drawings, and shall indicate the maximum quantities of allowable chemicals in each control zone.
  - Lab casework, storage cabinets and other storage enclosures shall be sized to accommodate the maximum allowable quantities of hazardous materials, and allowable quantities are to be posted within each lab space.

LABORATORY CASEWORK – 123553

General: KU’s laboratory casework shall be of wood or metal construction, as appropriate to the casework function.

- **Tops**: Chemical-resistant tops are required; sand-based epoxy resin tops are preferred type. All countertops are to be mechanically attached, not just secured with silicone sealant.

- **Cabinets**: Wood cabinets shall be constructed of solid hardwood and hardwood veneer materials. Particle board materials are NOT permitted.

- **Bases**: Ventilation of base cabinets is not required. Provide coved base on all cabinets to floor.

- **Chases**: Provide 8” chase space between all tall or base cabinets and walls, or between back-to-back cabinets, for routing of current or future plumbing lines.

- **Doors & Drawers**: Provide number plates on each door and drawer. Verify with user group if keyed locks are required on doors &/or drawers. If required, verify if doors &/or drawers are to be keyed alike or separate, and number of keys required for each.

- **Reagent Racks**: Provide in resin materials only. Wood, plastic laminate or metal are NOT acceptable.
• **Hazardous Materials Fire-Rated Storage Cabinets:** Verify types of materials to be used and stored within each lab space with users; review with EHS and provide types of storage cabinets directed by EHS.

**FLOOR MATS AND FRAMES – DESIGN GUIDELINES**

**General:** Recessed mats with an open design that collects debris and dirt or walk-off carpet tiles shall be provided at all major building entrances. They shall be provided with a recessed frame, set so their top surfaces are flush to the adjacent finish flooring materials. Provision of built-in mats or walk-off carpets of appropriate materials and size will minimize the need for loose-laid mats which may be a trip-hazard and undesirable aesthetic appearance.

It is recommended that recessed floor mats or walk-off carpet tile extend wall-to-wall within entrance vestibules, or the full width of the entry doors if located within the building lobby.

**FURNISHINGS – DESIGN GUIDELINES**

**General:** All loose equipment, furnishings and landscape partitions shall be shown on the Design Development (DD) floor plans and on the construction drawings, even if to be provided by Owner (show all loose furniture and equipment as dashed on architectural floor plans). The Project Designer shall coordinate the accessibility, egress requirements, mechanical and lighting systems with these loose furnishings and equipment.

**Accessibility Compliance:** Space planning shall consider handicapped accessibility when locating fixed and movable equipment and furniture.

- All drawings that indicate movable equipment shall comply with ADA guidelines for accessible routes and other accommodations.

- Where critical ADA compliance’s must be met as part of the loose furnishings for the project, those criteria shall be noted, shown and dimensioned on the project drawings.

- University user groups shall comply with ADA guidelines when selecting, purchasing and placing loose furnishings within spaces.

- Reception desks shall be provided with a 36” wide (minimum) accessible counter in at least one location.

**Furnishings Procurement:** The University will be responsible for purchasing movable equipment and furniture, through the KU Procurement Services Department.

- DCM and the client user group representatives shall meet with KU Procurement Services at the DD and at appropriate stages of design and construction to review, coordinate and finalize the procurement and delivery of all loose furnishings.

- Refer to Appendix A12.1 - Furnishings Procurement Guidelines for the standard procedures to be followed when selecting, bidding and purchasing loose furnishings and equipment for KU projects. Designers shall review and confirm the specific details for each project with DCM and KU Procurement Services.

**Exits and State Fire Marshall Compliance:** Loose furnishings shall not be shown or placed within exit passageways or corridors.

- If loose furniture is desired to be placed within or near those areas, it shall be secured in-place so it cannot be moved and block the code-required exit paths. If it is not, the
University &/or State Fire Marshall's reps shall cite the offenses and issue an order for the condition to be corrected. If not corrected within a specified time, KU will have FO correct it and bill the department.

- Landscape partitions shall be coordinated with code-required exit sign locations, so they are visible from appropriate locations in the exit pathways, in coordination with the height of the partitions.

**FIXED AUDIENCE SEATING – 126100**

**General:** Tablet arms or fixed lecture tables are generally required in assembly classroom areas. Provide lecture tables with modesty panels. Verify data and power requirements with each user group, DCM and KU-IT.

- **Tablet Arms:** If provided, tablet arms shall be oversized.

- **Bariatric Seating:** Refer to Appendix A1.7 - Accessibility Standard of Practice for KU requirements for bariatric seating to meet the needs of overweight, plus-sized audience members.

**INTERIOR PLANTERS AND PLANTS – 129200**

**General:** The University discourages the provision of interior planters and live plants as part of University projects, due to high maintenance demands that the University's Facilities Services Housekeeping staff cannot provide as part of their usual services.

- If approved by DCM on a project-specific basis, interior planters and live plants should be limited to those areas where departmental staff from the building occupants are willing to make a written commitment to care for them.

**SITE FURNISHINGS – 129300**

**General:** Project Designers shall coordinate with DCM and KU Purchasing to procure site furnishings from KU’s Strategically Sourced preferred vendors, or to specify those items for procurement by the project Contractor, per KU’s Strategic Sourcing guidelines. Designers shall show all site furnishings on the site plan drawings, to scale and in ADA-compliant, accessible locations.

- **Designers may include architectural 'street furniture', such as raised planters or seat walls for public seating, but are discouraged from proposing non-standard free-standing site furnishings, such as benches that are not consistent with KU's standard items.**

**Benches:**

- **Manufacturer/Model:** DuMor Inc., Model #118, steel bench with arms and back; powder-coated bronze finish. Surface-mounted, per manufacturer's recommendations (refer to photo below left, & Appendix A for details).

- **Unit Dimensions:** 6’ or 8’ lengths x 26-1/2” deep.

- **Concrete Pad Dimensions:** 5-1/2” thick x 5’ x 12’ for 6’ bench, or 5’ x 14’ for 8’ bench.

- **Available from:** Fry & Associates, 101 East 15th Ave., North Kansas City, MO 64116, (916) 221-4825.
Waste & Recycling Receptacles:

- Petersen Manufacturing Co. Inc., Model # AVE 42R Avenue Steel, single or dual receptacle (dual receptacle is standard), polyester powder coat Bronze finish on enclosure and waste bonnet, and KU Blue for recycling bonnet. Surface-mounted, per manufacturer's recommendations (refer to photo above right, & Appendix B for details).

- Unit Dimensions: 28” diameter Single Unit; or 28” deep x 56” long (nominal) Dual Unit”.
- Concrete Pad Dimensions: 5-1/2” thick x 3’ x 3’ for single; or 3’ x 6’ (min.) for dual unit.
- Available from: Petersen Manufacturing Company Inc., P.O. Box 644, Denison, IA 51442, (712) 263-2442.

Table & Chair Units:

- Landscape Forms, Model # Carousel Steel Table with Steelhead perforated table top and perforated seats, polyester powder coat Bronze finish. Surface-mounted, anchor per manufacturer’s recommendations (refer to photos above, & Appendix C for details).

- Unit Dimensions: 42” diameter x 29” high table top; 17” high seats with backs or backless; 81” outside diameter (backless) or 85” nominal diameter (with backs).

- Seating Options: 3, 4, 5 or 6 seats; 3 seat model is ADA compliant.

- Concrete Pad Dimensions: 5-1/2” thick x 12’ x 12’ (min.).

- Available from: Petersen Manufacturing Company Inc., P.O. Box 644, Denison, IA 51442, (712) 263-2442.
APPENDIX A - BENCH DETAILS (6' bench shown; 8' bench similar)

NOTES:
1.) ALL STL MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
2.) ALL WELDS CONT. THEN GROUND SMOOTH.
3.) BENCH SHIPPED UNASSEMBLED.
4.) 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED FOR S-2 OPTION.

DuMor, inc.
P.O. Box 142 Effingham, PA 17029-0142

Scale: None
Title: Bench

Revision Date: © September 8, 2015
APPENDIX B.1 - RECYCLING & WASTE RECEPTACLE DETAILS
APPENDIX B.2- RECYCLING & WASTE RECEPTACLE DETAILS

Petersen Manufacturing Company Inc.
APPENDIX C.1 - TABLE & CHAIR UNITS

NOTE: THREE SEAT UNIT MUST BE SURFACE MOUNTED FOR STABILITY

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APPENDIX C.2 - TABLE & CHAIR UNITS

Carousel Table
Seat Style: Backed Perf
Table Top Style: Steelhead Perforated
Umbrella Hole: To Be Advised
Number of Seats: 4 Seat
Mounting: Surface Mount
Seat and Support Color: To Be Advised
Table Top Color: To Be Advised

Accepted by
APPENDIX C.3 - TABLE & CHAIR UNITS
APPENDIX C.4 - TABLE & CHAIR UNITS