

10 Specialties

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 FPD 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 A1.5 - Classroom Standards
- ☐ Appendix A10.1 - Signage
- ☐ Appendix A10.2 - Interior Signage Drawings (.PDF & .DWG)
- ☐ Appendix A10.3 - Building Directory Drawings (.PDF & .DWG)
- ☐ Appendix A10.4 - Groundbreaking & Dedication Plaque Drawings (.PDF & .DOC)
- ☐ *Appendix A10.5 - Jobsite Signs (.PDF)*
- ☐ Appendix A10.6 - Bus Shelters (.PDF)
- ☐ *KU Policy Library, "Posting of Materials and Sidewalk Chalking":
<https://services.ku.edu/TDClient/818/Portal/KB/Article/20715/Posting-of-Materials-and-Sidewalk-Chalking> .*
- ☐ *KU Policy Library, "Digital Signage Policy":
<https://services.ku.edu/TDClient/818/Portal/KB/Article/20718/Digital-Signage-Policy>.*

VISUAL DISPLAY BOARDS – 101100

General: *Refer to KU Policy.*

- ☐ Bulletin boards provided in classrooms or clearly marked for use by university units (e.g., departmental posting) may not be used for commercial advertising or other non-unit related information.
- ☐ Bulletin boards designated as "general use" and installed at appropriate campus sites are intended primarily for use by KU students, faculty, and staff. Informational, non-academic materials may be posted only on general use bulletin boards.
- ☐ Project Designers shall verify the types, sizes & locations of visual display boards with the user group(s) for each project. Designers are encouraged to provide units of

adequate number and size to avoid non-approved posting of information on campus (taped to walls, doors, light poles, etc.).

Tackable Display Units: *Section removed since magnetic boards are generally preferred.*

Markerboards / Whiteboards or Chalkboards: *As outlined in [A1.5 Classroom Standards](#).*

Trim for writable surfaces: Heavy-duty, extruded aluminum trim, in a natural anodized finish.

- ☐ Fabricate with mitered corners and all cut edges deburred and eased.
- ☐ Install with concealed anchorage to wall substrates, and to adjacent trim pieces.

DISPLAY CASES – 101200

General: Designers shall confirm the need for protected information display units with the building occupants during the early design phases and shall clearly indicate where all display case units are included in the project scope.

- ☐ Metal finishes shall match the predominant finishes elsewhere in the building.
- ☐ Keyed locks shall be provided on all display cases.

BUILDING DIRECTORIES – 101300

Section under construction.

PLAQUES – 101416

Refer to A10.2 - Signage and Appendix A10.4 for requirements.

DIMENSIONAL LETTER SIGNAGE - 101419

Refer to Appendix A10.2 - Signage for requirements, as well as design guidelines for exterior signage.

INTERIOR SIGNAGE - 101423

Refer to Appendix A10.2 - Signage for requirements, as well as design guidelines for interior signage.

TOILET COMPARTMENTS – 102113

Toilet and urinal compartment panels shall be either solid plastic or stainless steel materials, due to lower vandalism and better maintenance. Exceptions must be approved by FPD Director.

- ☐ Type: Overhead-braced, floor-mounted. Other types, such as ceiling-hung, are not permitted due to poor durability experiences KU has had with them in the past.

- ☐ Special Wall Mounting Requirements: Urinal screens & toilet compartment dividing wall shall be specified to be secured to walls with continuous wall brackets, in lieu of individual mounting brackets, for greater durability.
- ☐ Hardware shall all be stainless steel and heavy-duty quality.

WIRE MESH PARTITIONS - 102213

General: Wire mesh partitions shall include provisions for installation of standard locksets which utilize KU's standard Medeco key cylinders in all lockable doors.

DEMOUNTABLE PARTITIONS - 102219

General: KU has a strategically-sourced procurement contract for DIRT partition systems, which shall be given preference by Project Designers when demountable partitions are deemed appropriate for a project.

- ☐ Demountable partition systems shall be installed by factory-trained & certified installers.

FOLDING PANEL PARTITIONS – 102233

General: The use of folding panel partitions to divide one room into two smaller rooms is discouraged, since KU's experience has been that movable panel partitions are rarely used, they provide less acoustical isolation between adjacent spaces and they add project cost that outweigh the actual advantages they may offer. Designers proposing to use them shall discuss with FPD and the University Architect prior to proposing them to KU clients.

Horizontal Sliding Fire Doors: Fire-rated operable panel partitions, such as those manufactured by Won-Door Corporation, shall not be used on KU projects, due to performance problems and reliability / maintenance issues that KU has experienced with these systems on past KU projects.

WALL AND DOOR PROTECTION - 102600

Project Designers shall provide permanent, heavy-duty corner guards to protect outside drywall corners from damage in main corridors and other heavily-used areas where damage is likely. One-piece stainless steel or aluminum assemblies and recessed models, or two-piece stainless steel and metal mounting plate units are preferred, attached with concealed fasteners or full-bed silicone sealant adhesive.

- ☐ Standard-grade plastic or vinyl corner guards, and/or snap-on-cover assemblies may only be used in low-traffic locations as approved by FPD.

TOILET ROOMS – GENERAL DESIGN GUIDELINES

Designers shall give particular attention to toilet room layouts, to verify that sight lines are controlled and appropriately screened for privacy from outside.

- ☐ **Unisex, Family or Gender-Neutral Restrooms:** Typically provide one per floor, but at least one per building, with both a water closet and a urinal in each shared-use restroom.

- ❑ **Entrances:** Multi-occupant toilet rooms shall be designed to screen all sightlines into them as necessary to maintain visual privacy from adjacent corridors / spaces.
- ❑ **Entry Doors:** Toilet room doors shall always swing out in new buildings, additions and renovations.
 - ❑ Exception: Renovations where out-swinging doors are technically infeasible.
- ❑ **Finishes:** Ceramic tile, *porcelain tile or resinous flooring* on floors and wall base, and full-height tile on walls.
 - ❑ Seamless sheet vinyl goods may be considered in single, uni-sex or family toilet rooms, subject to FPD approval on a per-project basis.
 - ❑ Floor and wall base shall have matching tile and grout, with mid-range or darker colors for soil hiding ability over time.
 - ❑ Wall tile may be lighter colored tile and grout, above a medium-to-dark color wall base (tile and grout) that is at least 4" high.
- ❑ **Continuous Countertops or Vanity Tops:** Solid composition (Corian or equal), quartz or granite materials, in lieu of plastic laminate for long-term durability.
- ❑ **Plumbing Fixtures:** Urinals, lavatories and water closets shall be wall-mounted, with concealed hangers / supports.
- ❑ **Pipe Chases:** Designers shall layout toilet and shower rooms in new buildings, additions or full renovations to have pipe chases that are not less than 24" clear interior width, and preferably 36" clear width for maintenance access.
 - ❑ Access to pipe chases shall be by means of standard, full-height swing doors for maintenance access, unless infeasible. Access doors, if required, shall be 24"W x 36"H; verify locations with FS and FPD.
- ❑ **Toilet Accessories:** Provide as noted elsewhere in this document. Show and note all toilet accessories on plans and interior elevation drawings.
 - ❑ Soap dispensers shall be located so that they drip into a sink or onto a countertop, not onto the floor.
 - ❑ Paper towel dispensers or automatic hand-dryers shall be located on plans to minimize dripping onto floors, preferably adjacent to sinks or lavatories, and not across the room.
 - ❑ Baby Changing Stations: *Shall be provided in each restroom.*
- ❑ **Electric Hand Dryers:** *Review and confirm with FPD and FS, if proposed for use on a project. Electric hand dryers shall not be used in locations where the noise from their operation may be disruptive.*

TOILET ACCESSORIES – 102800

General: A careful review of the layout of toilet fixtures and accessories, especially for required mounting heights and other handicapped-accessibility requirements, shall be completed. All toilet accessories shall be stainless steel materials, with satin finish, heavy-duty construction. Provide units indicated, as manufactured by Bobrick or equal, as approved by FPD.

- ☐ *Project Designer shall show all toilet accessory items on floor plans and/or on restroom interior elevations, including those provided by Owner, accurately to scale and in ADA-compliant accessible locations, specifically including consideration of reach ranges, wheelchair locations and protruding object limitations.*

Grab Bars: 1-1/2" actual outside diameter; satin, peened or knurled non-slip finish; concealed fasteners with snap-on mounting flange covers.

Mirrors: Surface-mounted mirrors shall be provided with fully-welded and seamless stainless steel frame or shall be frameless, tempered glass mirrors, secured with concealed theft-proof mounting.

- ☐ *Lavatory and Sink Mirrors: Typically, provide one above each lavatory or sink.*
 - ☐ Full-height, full-width mirrors are preferred above built-in lavatory counters.
 - ☐ Omit lavatory mirrors if required to restrict sightlines into restroom, although this should be last resort to proper restroom design approach.
- ☐ **Tall Mirrors:** Provide one in each public restroom. Minimum size: 24" wide x 60" high, with top mounted at 6'-8" AFF.
- ☐ Locate where sightlines into toilet room are not compromised.

Toilet Tissue Dispensers: *Designer to confirm current KU standard to integrate into design.*

Paper Towel Waste Receptacles: Built-in units shall be largest capacity feasible.

- ☐ **Under-Counter Option:** Designers may choose to detail built-in lavatories with a 6" diameter opening with a stainless steel trim ring above an under-counter waste receptacle, if ADA wheelchair access is maintained to all sinks. Designers shall also select and have the Contractor provide a readily-available waste receptacle unit for each of these locations.
- ☐ *If loose units are to be provided by FS Custodial Services, consult with FS, FPD and building occupants to verify the size and general locations of units to be provided. Designers shall show actual locations dashed and to-scale on drawings and note as "Loose Owner-provided Waste Receptacle".*
 - ☐ Locations and sizes must not alter accessibility or code compliance of toilet rooms.

Sanitary Napkin Disposal Units: Provide one feminine hygiene disposal unit in each woman's toilet stall.

- ☐ *Designer to confirm current KU standard to integrate into design. For initial basis of design, Bobrick Model #270 until confirmed.*

Electric Hand Dryers: If approved by FPD and FS for provision on a project, Dyson AirBlade dB models shall be considered, in lieu of traditional electric hand dryers.

Shower Seats: Designers shall specify phenolic, stainless steel or other permanent, low-maintenance materials when shower seats are required.

- ☐ Wood slat or upholstered shower seats are not acceptable.

Bookshelf, Shelving, and Coat Racks: Heavy-duty coat racks and shelves for hats, books or backpacks shall be provided in toilet rooms and in waiting areas, as requested by user group or FPD, and shall be ADA compliant.

Owner-Furnished Toilet Accessories: *The University shall furnish the following toilet accessories, which shall be installed by the Contractor. Designer to confirm KU current standard at time of design development. Other models are not acceptable. A/E shall confirm number of units of each that are required and advise FPD PM.*

- ☐ *Designers shall show and note these items as "Owner-furnished, Contractor-installed" on construction documents.*

FIRE PROTECTION CABINETS – 104413

Fire Extinguisher Cabinets: Provide recessed cabinets to house all fire extinguishers located in corridors and public spaces. Cabinets are not required in labs, mechanical & electrical rooms, commercial kitchens & food service locations, or in unfinished work areas.

- ☐ **Cabinets:** Solid clear glass doors, trim color as appropriate for adjacent wall surfaces. Provide units without locks on doors. *Provide magnetic closure capability.*
- ☐ **Size:** Interior dimensions adequate to receive up to a ten pound (10 lb.) ABC dry chemical extinguisher.

Fire Hose Cabinets: Provide units with similar trim and appearance to fire extinguisher cabinets, in location(s) required by code plans. Provide units without fire hoses.

Fire Standpipe Cabinets: Provide 18" x 18" units for 2 ½" fire department connection with similar trim and appearance to fire extinguisher cabinets, in location(s) required by code.

FIRE EXTINGUISHERS – 104416

Fire Extinguishers - General Requirements: Provide in all corridors per NFPA 110 and in all laboratory spaces, even if not required by code. In laboratories, provide not less than one fire extinguisher per lab, located near the main entry / exit door, and surface-mounted on wall hooks; no cabinet is required. Provide the following types, for each indicated location:

- ☐ **Type for Standard Locations:** Ten pound (10 lb.) ABC dry chemical; acceptable manufacturers: Bager, Sentry, or Amerex.
- ☐ **Type for Laboratory Spaces:** *Fifteen pound (15 lb.) 2A:10B:C dry chemical unit, unless special hazards require other or additional types; acceptable manufacturers: Amerex.*
 - ☐ *Project Designer shall review and verify the hazards that are anticipated within each lab space with EHS, the Code Compliance Coordinator and the building lab supervisor(s). Project Designer shall show and note the locations of each type(s) and size(s) of fire extinguishers that are required for the fire hazard(s) that will be present in each laboratory space.*
- ☐ **Type for Commercial Kitchens & Food Service Locations:** Twenty pound (20 lb.) Type "K" ; acceptable manufacturers: Amerex, or Anzel.

Locations/Spacing: As required by NFPA-10. Project Designer shall graphically show location of each fire extinguisher and its radius of coverage on code compliance plans and construction documents.

- ☐ Project Designer shall show and note mounting locations for wall-mounted fire extinguishers that are near entry doors, but are also ADA-compliant, and don't

compromise side clearances at doors, protruding object limitations, reach ranges or similar requirements.

- ☐ Wall-mounted fire extinguishers shall be mounted no more than 24" AFF, to bottom of extinguisher.
- ☐ **Procurement & Installation:** All fire extinguishers shall be procured and installed by contractor.

MAILROOMS & POSTAL SPECIALTIES – 105500

General: Designers shall confirm the mail and delivery handling needs with the departmental administrators for each project and shall include appropriate provisions for those needs.

- ☐ Mail slots may not be located in any fire-rated walls or partitions, such as rated corridor walls.

METAL LOCKERS – 105113

General: Metal storage lockers in locker rooms and similar athletic or recreational areas shall have a ventilated front and shall have a closed plenum behind them with return air pulled through a ventilated back, to minimize odor and encourage rapid drying of wet articles stored within lockers.

BUS SHELTERS – 107343

General: When a project is proposed on property that includes current or proposed transit stop locations, Project Designers shall evaluate and review potential locations for bus shelters near proposed transit stops with KU during the early stages of design.

- ☐ Future locations for bus shelters at transit stops shall be shown dashed and noted as such on all site plans. Site utilities and other work shall be located to avoid and coordinate with future bus shelters, to accommodate their installation.
- ☐ If a bus shelter is to be constructed as part of a project, KU's standard bus shelter shall be the basis of design and shall be procured from KU's preferred vendor.
 - ☐ Refer to **Appendix A10.6 - Bus Shelters** for specifications and standard details for KU bus shelters.

GROUND-SET FLAGPOLES – 107516

General: Flagpoles are typically not included in front of new buildings on the KU campus, unless approved by FPD and FS.

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