

# 6 Woods and Plastics

## 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](#); refer to sections regarding construction testing and field quality control requirements.
- [Division 5 – Metals](#): Contains information about fasteners used to secure wood nailers, blocking and miscellaneous wood framing members.
- [Division 11 – Equipment](#): Contains information about laboratory equipment.
- [Division 12 –Furnishings](#): Contains information about pre-manufactured casework.

## ARCHITECTURAL WOODWORK – DESIGN GUIDELINES

**Built-In's:** The use of "built-in" furniture, bookshelves, and equipment is discouraged. The inclusion of such items should be discussed with the Office of Design and Construction Management before incorporating them into the project.

**Standard Sizes:** Custom millwork is recommended to be detailed in standard-sized modules of approximate 3'-0" lengths for future flexibility.

### Countertops:

- Countertops in food preparation kitchens, restrooms and wet laboratories shall be made of solid composition materials.
- Plastic laminate tops are only acceptable in dry laboratory or kitchenette environments,
- Laboratory or scientific equipment countertops shall be 1" thick epoxy resin.

- "Trespa" tops are NOT acceptable, due to recent durability problems KU has experienced with them.

**Window Sills:** Solid composition materials shall be used for window sills, in lieu of plastic laminate fabrications, due to their superior moisture resistance and permanence.

**Laminate Substrates:** All plastic laminate substrates shall be plywood materials. Particle board shall not be used as a substrate for plastic laminates.

## **ROUGH CARPENTRY – 06100**

### **Spacing:**

- Wood framing in walls shall be spaced a maximum of 16 inches on center.

### **Moisture-Resistant Treated Materials:**

- All wood sill plates, nailers, blocking and wood members in contact with masonry or concrete, or within roofing systems, shall be CCA-treated lumber or plywood.
- Exterior-grade, Type 1 plywood shall be used where there is potential for exposure to moisture.
- All blocking in walls behind toilets, lavatories, urinals, sinks and other plumbing fixtures shall be CCA-treated lumber or plywood.

### **Telecommunication (NTS) Backboards:**

- Each networking and telecommunications (NTS) room shall have not less than one 4' H x 8' W plywood panel provided for the mounting of NTS wiring and devices, as requested by KU's NTS Department for each project.
- Plywood backing panels shall be fire-retardant treated materials.
- Expansion anchor or screw to substrate, at 24" o.c. along perimeter and within field area of each plywood sheet.

## **INTERIOR ARCHITECTURAL WOODWORK – 06402**

Particle board or flake board substrates are not allowed for casework or custom woodwork. Use plywood substrate materials in all cases.