

# Campus Design Standards

## Division 6 – Woods & Plastics



Department	Name	Signature	Date
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Director Building Maintenance	Robert Brauer	<i>RB</i>	5/7/19
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## 06000 – Woods & Plastics

### Introduction

All casework should be job specific. All finishes should adhere to USD color palate alternates will be considered.

### Contacts

1. The Project Manager (Planning, Design and Construction)

### Index of References

1. USD Master Plan Design Guidelines

*Appendix 1.1*

### Code/Sustainability References

1. California Building Code
2. LEED Silver (Pursuit of certification on a project by project basis)
3. Building Energy Efficiency Standards
4. California Fire Code
5. ANSI
6. Title 24
7. Woodworkers Institute (WI)

### 06050 Basic Materials and Methods

1. Wood Grade: Stain

### 06100 Rough Carpentry

This standard is Project Specific.

### 06200 Finish Carpentry

Chair rail material should match the grade of finishes per project. Either paint grade wood, stain grade wood or plastic.

### 06400 Architectural Woodwork

1. Exterior Architectural Woodwork
  - a. Exterior Wood Grade: WI Custom Grade
  - b. Exterior Wood Species: Douglas Fir, Teak, Oak, project specific alternates considered.
  - c. Exterior Wood Finish/Stain: Medium to Dark Walnut.
2. Interior Architectural Woodwork
  - a. Interior Wood Grade

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- b. Interior Wood Species: Plain Sawn or Sliced Walnut, alternates considered
  - c. Cabinet Hardware
    - i. Hinges: European Concealed Self-Closing: BHMA A156.9, B01602
    - ii. Pulls: Match USD sample
    - iii. Adjustable Shelf Standards and Supports: BHMA A156.9, B04071, with shelf rests B04071
    - iv. Drawer slides: BHMA A156.11, e07121
    - v. Grommets (countertop for cable passage) 2" OD color to match countertop
    - vi. Exposed hardware finish: Dark, oxidized satin oil-rubbed bronze, BHMA 613-bronze base, BHMA 640 Steel Base, or anodized bronze finish. Stainless steel may be used as an alternate in Laboratories and Food Services areas as needed.
  - d. Flush Wood Paneling and Wainscots:
    - i. Species: Walnut or Mahogany
3. Plastic Laminate:
- a. Wilsonart – 71107-670, Color: Montana Walnut
  - b. All other colors should adhere to USD color palate and will be job specific.
4. Wood Countertops:
- a. Species: Mahogany or Walnut, Plain Sawn
5. Solid Surface Countertops:
- a. Corian or equal, Color: TBD
    - i. Undermount porcelain sink
    - ii. Fabricate tops with shop allied backsplash
6. Quartz Composite Countertops
- a. Section Includes:
    - i. Quartz agglomerate countertops.
    - ii. Quartz agglomerate backsplashes.
    - iii. Quartz agglomerate end splashes.
    - iv. Quartz agglomerate apron fronts.
  - b. Related Requirements:
    - i. Review "Residential Plumbing Fixtures" for sinks and plumbing fittings.
  - c. ACTION SUBMITTALS
    - i. Product Data: For countertop materials.
  - d. Sustainable Design Submittals:
    - i. Product Data: For adhesives, indicating VOC content.
    - ii. Product Data: For composite wood products, indicating that product contains no urea formaldehyde.
  - e. Shop Drawings: For countertops. Show materials, finishes, edge and backsplash profiles, methods of joining, and cutouts for plumbing fixtures.
    - i. Show locations and details of joints.
    - ii. Show direction of directional pattern, if any.
  - f. Samples for Verification: For the following products:
    - i. Countertop material, 6 inches square.

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- ii. Wood trim, 8 inches long.
- iii. One full-size quartz agglomerate countertop, with front edge and backsplash, 8 by 10 inches, of construction and in configuration specified.
- g. CLOSEOUT SUBMITTALS
  - i. A. Maintenance Data: For quartz agglomerate countertops to include in maintenance manuals.
  - ii. Include Product Data for care products used or recommended by Installer and names, addresses, and telephone numbers of local sources for products.
- h. QUALITY ASSURANCE
  - i. A. Fabricator Qualifications: Shop that employs skilled workers who custom-fabricate countertops similar to that required for this Project, and whose products have a record of successful inservice performance.
  - ii. Installer Qualifications: Fabricator of countertops.
- i. Mockups: Build mockups to demonstrate aesthetic effects and to set quality standards for fabrication and execution.
  - i. Build mockup of typical countertop as shown on Drawings.
  - ii. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.
- j. FIELD CONDITIONS
  - i. Field Measurements: Verify dimensions of countertops by field measurements after base cabinets are installed but before countertop fabrication is complete.
- k. COORDINATION
  - i. Coordinate locations of utilities that will penetrate countertops or backsplashes.
  - ii. Coordinate installation with flooring. Confirm with Project Manager what flooring is required under cabinetry.
- l. QUARTZ AGGLOMERATE COUNTERTOP MATERIALS
  - i. Quartz Agglomerate: Solid sheets consisting of quartz aggregates bound together with a matrix of filled plastic resin and complying with ICMA SS-1, except for composition.
  - ii. Manufacturers: Subject to compliance with requirements, provide products by the following:
    - 1. Cosentino USA.; Eco.
    - 2. Daltile; One Quartz.
- m. COUNTERTOP FABRICATION
  - i. Fabricate countertops according to quartz agglomerate manufacturer's written instructions and the AWI/AWMAC/WI's "Architectural Woodwork Standards."
  - ii. Countertops: 3/4-inch- thick, quartz agglomerate with front edge built up with same material.
  - iii. Backsplashes: 3/4-inch- thick, quartz agglomerate.

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- iv. Fabricate tops with shop-applied edges and backsplashes unless otherwise indicated. Comply with quartz agglomerate manufacturer's written instructions for adhesives, sealers, fabrication, and finishing.
- v. Fabricate with loose backsplashes for field assembly.
- vi. Joints: Fabricate countertops in sections for joining in field.
  - 1. Joint Locations: Not within 18 inches of a sink and not where a countertop section less than 36 inches long would result, unless unavoidable.
  - 2. Joint Type: Bonded, 1/32 inch or less in width.
  
- n. Cutouts and Holes:
  - i. Undercounter Plumbing Fixtures: Make cutouts for fixtures in shop using template or pattern furnished by fixture manufacturer. Form cutouts to smooth, even curves.
  - ii. Provide vertical edges, slightly eased at juncture of cutout edges with top and bottom surfaces of countertop and projecting 3/16 inch into fixture opening.
  - iii. Counter-Mounted Plumbing Fixtures: Prepare countertops in shop for field cutting openings for counter-mounted fixtures. Mark tops for cutouts and drill holes at corners of cutout locations. Make corner holes of largest radius practical.
  - iv. Fittings: Drill countertops in shop for plumbing fittings, under counter soap dispensers, and similar items.
- o. Tenant Improvement October 2016 Requirements for As-built Drawings

Prior to the completion of construction and occupancy, the subcontractor is required to provide the Project Manager a detailed finish schedule of materials used in each area of the project, including the manufacturer, supplier, color name and number, pattern and size applied. An electronic version of the final schedule is to be provided as part of the "as-built" documentation for the project. See *Appendix 1.2 for Documentation and Archiving*.

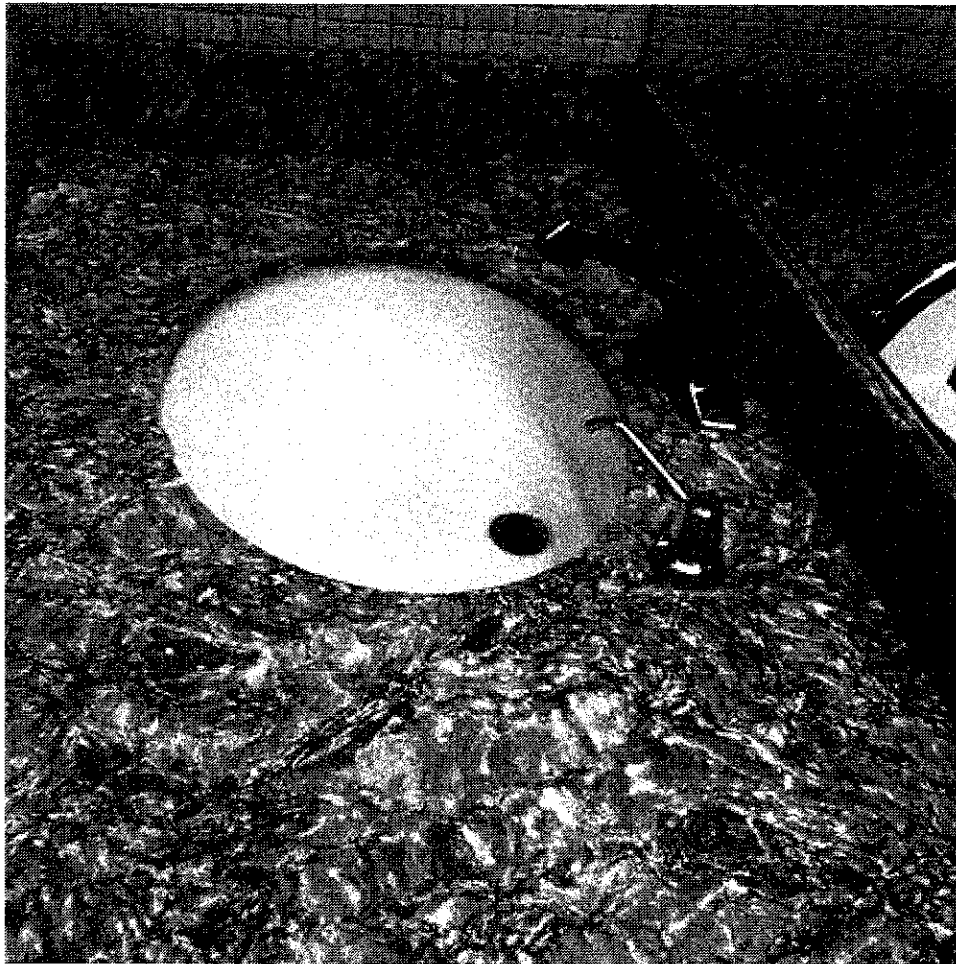
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Example of natural stone - Mother Rosalie Hill Hall



Example of natural stone - Kroc Institute for Peace & Justice



Example of Natural Stone - University Center



Example of quartz composite “Cesearstone/Silestone/Sandstone” countertop - La Paloma



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Example of plastic composite "Corian" - Founders Hall 1st Floor

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## WOOD PANELING PICTURES



Founders Chapel Wood Paneling



Founders Chapel Wood Paneling





Wood Paneling Serra Hall



Wood Paneling Manchester Hall



Wood Paneling La Paloma

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