

**Jefferson County School District, R-1
Support Services**

TECHNICAL GUIDELINES

**DIVISION 06 – WOOD, PLASTICS, AND COMPOSITES
November 1, 2006**

DIVISION 06 – WOOD, PLASTICS, AND COMPOSITES

06 05 00 Common Work Results for Wood, Plastics, and Composites – November 1, 2006

- Work in this section is open to any product or material meeting the requirements of this Technical Guideline.
- Fastening for wood, plastics and composites:
 1. Prefabricated 16 gauge galvanized connection-appropriate steel framing connectors are preferred for structural applications
 2. Screw and nail fastening as permitted per IBC
 3. Bronze or copper fasteners are prohibited for treated wood.
- Wood Treatment
 1. Kiln dry to 19% maximum moisture content.
 2. Fire and preservative treatments are prohibited for wood structural members and sheathing and not recommended elsewhere.
 3. Specify paint-compatible preservatives where applicable.
 4. Manufacturer label is required on each piece of treated lumber; UL label is required for fire-retardant treated lumber.
 5. Brush apply identical or compatible treatment to all cuts, holes, and machined areas of treated wood materials.
 6. Creosote is categorically prohibited

END SECTION 06 05 00

06 10 00 Rough Carpentry – November 1, 2006

- Work in this section is open to any product or material.
- In the absence of other information, standards of the following organizations apply:
 1. American Institute of Timber Construction (AITC)
 2. American Plywood Association (APA)
 3. National Forest Products Association (NFPA)
 4. National Particleboard Association (NPA)
 5. Western Wood Products Association (WWPA)
- Wood-frame construction is typically limited to temporary classrooms and similar transient constructions.
- Wood-frame construction is prohibited for permanent facilities larger than 2500 gsf.
- Rough Carpentry Materials
 1. Blocking: Utility grade lumber; 2 x 6 minimum.
 2. Pressure Treated lumber is required at exposed, wet, and damp locations such as sill plate, curbs, cants.
 3. Reject warped, disfigured, or damaged materials.

- Solid Blocking is mandatory in frame (wood or metal stud) construction; Conceal beneath surface-mounted items such as:
 1. Door stops
 2. Hold opens
 3. Handrails
 4. Architectural specialties (Division 10)
 5. Plumbing fixtures
 6. Surface-mounted systems devices (Divisions 21-28)
- Nail according to the minimum requirements of the "Recommended Nailing Schedule" for common nails published in the current NFPA "Manual for House Framing"
- Glued-laminated structural members are not recommended; prohibited for exterior exposures

END SECTION 06 10 00

06 20 00 Finish Carpentry – November 1, 2006

- Work in this section is open to any product or material.
- In the absence of other information, standards of the following organizations apply:
 1. Architectural Woodwork Institute (AWI); "Architectural Woodwork Quality Standards, Guide Specifications, and Quality Certification Program", current editions.
 2. National Particleboard Association (NPA)
- Finish Carpentry materials
 1. Hardwood: AWI Grade II red or white birch or oak
 2. Softwood: AWI Grade II; any species
 3. Reject warped, disfigured, or damaged materials.
- Details
 1. Shelving and countertops: Radius is required at corners exposed to student traffic.
 2. Stairwork and Handrails: Limit cantilever to depth of member.

END SECTION 06 20 00

06 40 00 Architectural Woodwork – November 1, 2006

- Work in this section is open to any product or material meeting the requirements of this Technical Guideline.
- In the absence of other information, standards of the following organizations apply:
 1. Architectural Woodwork Institute (AWI) "Architectural Woodwork Quality Standards, Guide Specifications, and Quality Certification Program" - current editions.
- Submittals
 1. Shop Drawing: Required
 2. Closeout: Submittals listed above, updated to record status.

- Restrictions
 1. Custom Cabinetry is not recommended for most Jefferson County School District R-1 applications.
 - a. Except as noted in "Applications" below prior approval by Jefferson County School District, R-1 is mandatory.
 - b. Use Manufactured Casework; Section 12 32 00 for all other applications.
- Applications
 1. Library Information Center (LIC) Circulation Desk: Standard or custom design: Include in general construction contract.
 2. Office Counters
- Construction
 1. Custom Cabinets: AWI Custom Grade
 2. Countertops: Radius is required at edges exposed to student traffic

END SECTION 06 40 00

06 50 00 Structural Plastics – November 1, 2006

- Work in this section is open to any product or material.
- Construction
 1. Artificial wood products have significant expansion and contraction properties
 2. The type and frequency of fastening needs to be adequate to control the movement that will be encountered.
 3. A higher number of fasteners is recommended; 12” o.c. minimum
 4. Increase the number of joints and joint spacing, especially at butt connections.
 5. Decks: Minimum of two screws fastened to each supporting joist

END SECTION 06 50 00

06 60 00 Plastic Fabrications – November 1, 2006

- Work in this section is open to any product or material.

END SECTION 06 60 00

06 70 00 Structural Composites – November 1, 2006

- Work in this section is open to any product or material meeting the requirements of this Technical Guideline.
- Particleboard and Fiberboard are prohibited:
 1. In any application that is less than 3 inches above finished floor elevation.
 2. For underlayment
 3. For stair treads
 4. For shelving, unless all edges and faces are laminated
- Cementitious wood fiber panels are prohibited for roof decking.
- Oriented Strand Board (OSB) is categorically prohibited in any application.

END SECTION 06 70 00

06 80 00 Composite Fabrications – November 1, 2006

- Work in this section is open to any product or material.

END SECTION 06 80 00