

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

TECHNICAL GUIDELINES

DIVISION 06 – WOOD, PLASTICS, AND COMPOSITES

AUGUST 2022

Jefferson County School District, R-1 TECHNICAL GUIDELINES 2022
Division 06 – Wood, Plastics, and Composites

Table of Contents

DIVISION 06 – WOOD, PLASTICS, AND COMPOSITES	0
06 05 00 Common Work Results for Wood, Plastics, and Composites – October 2010	2
06 10 00 Rough Carpentry – October 2018.....	2
06 20 00 Finish Carpentry – October 2010	3
06 40 00 Architectural Woodwork – October 2010	3
06 50 00 Structural Plastics – October 2010	4
06 60 00 Plastic Fabrications – October 2020.....	4
06 70 00 Structural Composites – October 2010.....	4
06 80 00 Composite Fabrications – October 2010	5

DIVISION 06 – WOOD, PLASTICS, AND COMPOSITES

06 05 00 Common Work Results for Wood, Plastics, and Composites – October 2010

- 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, minimum, 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. Limited use only of Fire and preservative treatments for wood structural members and sheathing and not recommended elsewhere.
 - a. As required by Code
 3. Specify paint-compatible preservatives where applicable.
 4. Manufacturer label is required on each piece of treated lumber
 - a. 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 prohibited

END SECTION 06 05 00

06 10 00 Rough Carpentry – October 2018

- 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)
- Limit the use of wood-frame construction
- Wood-frame construction permitted by approval of Jefferson County Public Schools only.
- Rough Carpentry Materials
 1. Blocking:
 - a. Utility grade lumber
 - b. 2 x 6 minimum.
 2. Pressure Treated lumber is required at exposed, wet, and damp locations such as sill plate, curbs, cants or contact with concrete.
 3. Reject warped, disfigured, or damaged materials.
- Solid Blocking is mandatory in frame (wood or metal stud) construction;
 1. Conceal beneath surface-mounted items such as:

Jefferson County School District, R-1 TECHNICAL GUIDELINES 2022
Division 06 – Wood, Plastics, and Composites

- a. Door stops
 - b. Hold opens
 - c. Handrails
 - d. Architectural specialties (Division 10)
 - e. Plumbing fixtures
 - f. Surface-mounted systems devices (Divisions 21-28)
2. Wood blocking at all locations, except sheet metal backing may be used as specifically allowed under Division 9.
- Nail according to the minimum requirements of the "Recommended Nailing Schedule" for common nails published in the current NFPA "Manual for House Framing" or as per Structural Engineer
 1. Glued-laminated structural members are not recommended and are prohibited for exterior exposures

END SECTION 06 10 00

06 20 00 Finish Carpentry – October 2010

- 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:
 - a. AWI Grade II red or white birch or oak
 2. Softwood:
 - a. AWI Grade II; any species
 3. Reject warped, disfigured, or damaged materials.
- Details
 1. Shelving and countertops:
 - a. Radius is required at corners exposed to student traffic.
 2. Stairwork and Handrails:
 - a. Limit cantilever to depth of member.

END SECTION 06 20 00

06 40 00 Architectural Woodwork – October 2010

- 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:

Jefferson County School District, R-1 TECHNICAL GUIDELINES 2022
Division 06 – Wood, Plastics, and Composites

- a. Required
- 2. Closeout:
 - a. Submittals listed above
 - b. Updated to record status.
- Restrictions
 - 1. Custom Cabinetry is not recommended for most Jefferson County School District R-1 applications.
 - a. Prior approval by Jefferson County School District, R-1 is mandatory.
 - b. Use Manufactured Casework;
 - 2. Section 12 32 00 for all other applications.
- Construction
 - a. Custom Cabinets: AWI Custom Grade
 - b. Countertops: Radius is required at edges exposed to student traffic

END SECTION 06 40 00

06 50 00 Structural Plastics – October 2010

- Work in this section is open to any product or material with approval of District Project Manager

END SECTION 06 50 00

06 60 00 Plastic Fabrications – October 2020

- Limited areas with approval of District Project Manager only
 - 1. Consider for use at window sills, countertops, and other areas where plastic laminate or finished wood products may not be appropriate
 - a. Solid Surface Product
 - (1) Solid, non-porous, homogeneous surfacing material composed of acrylic resin and natural materials
 - (2) Acceptable Mfrs:
 - (i) Corian
 - (ii) Wilsonart
 - (iii)Formica
 - (iv)Approved Equivalent

END SECTION 06 60 00

06 70 00 Structural Composites – October 2010

- Work in this section is open to any product or material meeting the requirements of this Technical Guideline.
- Plywood
 - 1. American Plywood Association recommended uses.
- Particleboard and Fiberboard are prohibited:
 - 1. In any application that is less than 3 inches above finished floor elevation.

Jefferson County School District, R-1 TECHNICAL GUIDELINES 2022
Division 06 – Wood, Plastics, and Composites

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)
 1. Permitted only in wood frame construction

END SECTION 06 70 00

06 80 00 Composite Fabrications – October 2010

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

END SECTION 06 80 00