Division 06 Wood, Plastics, and Composites pre-submittal checklist

PROJECT	SPEC SECTION	SUBMITTAL NO.

CHECKED BY	DATE

1. Before you start

These apply to every submittal, whatever the trade.

- [ ] Pull the exact spec section this package answers to, including addenda that changed it.
- [ ] Read the submittal articles in Part 1 and list every item they ask for.
- [ ] Confirm the transmittal names the right section number, and that each product is tagged to the paragraph it answers.
- [ ] Mark any deviation from the spec yourself on the transmittal. A declared deviation gets reviewed; a hidden one gets the package rejected.
- [ ] Keep a copy of exactly what you sent, with the date, for your submittal log.

2. Named manufacturers and products match the spec **Blocker**

Compare every product in the package to the manufacturer and model the spec names. If anything differs, attach the approved substitution or or-equal letter, or swap back before you send. Tick each item once you have checked it and nothing below applies without written approval.

- [ ] Structural composite lumber substitutions (Weyerhaeuser Microllam LVL, Parallam PSL vs Boise Cascade or LP alternatives)
- [ ] I-joist manufacturer/model changes (Weyerhaeuser TJI vs Boise Cascade BCI)
- [ ] Simpson Strong-Tie connector substitutions with USP Structural Connectors or other brands
- [ ] Truss manufacturer changes (MiTek vs Alpine vs other fabricators)
- [ ] Glulam manufacturer substitutions (Western Wood Structures, Nordic Structures, Calvert Company)
- [ ] CLT/mass timber panel manufacturer changes (Nordic Structures, SmartLam, Structurlam)
- [ ] Architectural woodwork fabricator changes - verify AWI membership and quality grade capability

3. Performance values meet the spec numbers **Blocker**

Put the data sheet next to the spec and compare the actual values, not just the test method. A sheet that says "tested per ASTM" without the number is not proof. Tick each value once it meets or beats the spec.

- [ ] **Wood species and grade** - Douglas Fir #1, SPF #2, Southern Pine #2, etc. per AWC NDS grade tables
- [ ] **Moisture content** - 19% max for S-DRY lumber, 15% max for KD (kiln-dried), MC requirements for enclosed conditions
- [ ] **Glulam combination symbol** - 24F-V4, 26F-V2, etc. per AITC/APA standards; species and appearance grade

- [ ] **Structural composite lumber grade** - LVL, PSL, or LSL design values (Fb, Fv, E, Fc) per manufacturer ESR
- [ ] **Fire-retardant treatment (FRT)** - type, flame spread index, smoke developed index per ASTM E84
- [ ] **Preservative treatment retention** - pcf (pounds per cubic foot) per AWPA standards for intended use category
- [ ] **Connector/hardware load ratings** - allowable loads per ICC-ES ESR at specified conditions (wood species, load duration)
- [ ] **Truss design loads** - per TPI 1 including dead, live, snow, wind, and duration-of-load factors
- [ ] **Deflection limits** - L/360 live load, L/240 total load, or tighter limits per spec
- [ ] **CLT panel layup and grade** - per ANSI/APA PRG 320, stress grade and number of laminations
- [ ] **Plywood/sheathing span rating** - APA span rating and exposure classification (Exposure 1, Exterior)

4. Certifications and test reports are attached **Fix and Resubmit**

Reviewers want the report itself, not a line on the data sheet saying one exists. Tick each document that the spec requires and the package actually contains. Skip lines that do not apply to your section.

- [ ] **AWC NDS (National Design Specification)** - structural design values for sawn lumber and connections
- [ ] **APA (The Engineered Wood Association)** trademarked grade stamps for plywood, OSB, glulam, and I-joists
- [ ] **AITC (American Institute of Timber Construction)** certification for glulam fabricators
- [ ] **ICC-ES ESR (Evaluation Service Report)** - required for all proprietary engineered wood products, connectors, and hardware
- [ ] **AWI (Architectural Woodwork Institute)** quality grade certification (Economy, Custom, or Premium)
- [ ] **AWPA (American Wood Protection Association)** treatment quality mark for preservative-treated wood
- [ ] **IBC Chapter 23** compliance documentation for wood construction
- [ ] **ANSI/APA PRG 320** compliance for CLT panels
- [ ] **ASTM E84** or **UL 723** test reports for FRT products - flame spread and smoke developed
- [ ] **FRT manufacturer's listing** for intended application (interior, exterior, exposed, enclosed)
- [ ] **TPI 1 (Truss Plate Institute)** sealed design drawings for metal-plate-connected trusses
- [ ] **Seismic design documentation** per IBC/ASCE 7 for lateral force-resisting wood systems

5. Colors, finishes, and profiles match the selection **Fix and Resubmit**

Match each visible attribute to the spec text and the architect's approved sample or color schedule. Tick each one you have confirmed.

- [ ] AWI quality grade mismatch (Custom specified, Economy submitted)
- [ ] Wood species or veneer species differs from spec (white oak vs red oak, rift-sawn vs plain-sawn)
- [ ] Stain color or finish type mismatch (lacquer vs conversion varnish vs polyurethane)
- [ ] Veneer matching method differs (book match vs slip match vs random match)
- [ ] Exposed glulam appearance grade (Industrial, Architectural, Premium) below spec

- [ ] Exposed fastener heads where concealed fastening was specified
- [ ] Panel core type affecting visible edge quality (MDF vs particleboard vs veneer core)
- [ ] Plastic laminate pattern, color, or texture does not match spec selections

6. Details and installation match the spec and drawings Fix and Resubmit

These are the mismatches reviewers catch most in this division. Check your shop drawings and installation data against the spec and the contract drawings, and tick each line once you have confirmed it does not apply to your package.

- [ ] **Lumber dimensions** - nominal vs actual, or non-standard sizes submitted
- [ ] **Connection hardware** - nail/screw size, count, or pattern differs from structural drawings
- [ ] **Joist/rafter spacing** - 24" o.c. submitted where spec calls for 16" o.c.
- [ ] **Bearing length** - inadequate bearing at supports per NDS requirements
- [ ] **Sheathing nailing schedule** - nail size and spacing at panel edges and field differs from shear wall schedule
- [ ] **Blocking and bridging** - missing or spacing differs from spec
- [ ] **Truss bracing** - temporary and permanent bracing details do not match BCSI guidelines
- [ ] **Preservative treatment** - ground contact (UC4A) submitted where above-ground (UC3B) was specified, or vice versa
- [ ] **Adhesive type** - interior adhesive where exterior/waterproof is required
- [ ] **FRP panel thickness or profile** differs from spec
- [ ] **Wood-to-concrete anchorage** - anchor bolt size, spacing, or embed depth differs

7. Every required item is in the package Fix and Resubmit

Open the submittal articles in Part 1 of your spec section (often split into action and informational submittals) and confirm each required item is present. The list below is what this division's specs most often require.

- [ ] Lumber grade stamps or mill certificates with species and grade
- [ ] Moisture content test reports or certification
- [ ] ICC-ES ESR reports for all engineered wood products and proprietary connectors
- [ ] Glulam shop drawings with combination symbol, camber, and connection details
- [ ] CLT panel shop drawings with layup, grade, and connection details
- [ ] Truss design drawings sealed by a licensed professional engineer
- [ ] FRT manufacturer's test reports and listing documentation
- [ ] AWPA treatment certificates with retention levels and use category
- [ ] AWI quality grade compliance documentation for architectural woodwork
- [ ] Shop drawings for architectural millwork with species, finish, and hardware
- [ ] Connector/hardware catalog data with allowable load tables
- [ ] Warranty documentation

- [ ] LEED documentation - FSC/PEFC chain-of-custody certificates, regional materials data

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Free checklist from deviationcheck.com/checklists/06-wood-plastics-composites/. Want the package checked against your spec? Deviation Check reviews it for $35 at deviationcheck.com.