



Specifications

PART 1 - GENERAL

1.1 Summary

- A. Section includes:
 - 1. Open web wood floor joists.
 - 2. Bracing, blocking, and accessories.
- B. Related Sections:
 - 1. Division 1: Administrative, procedural, and temporary work requirements.
 - 2. Section 06110 – Framing and Sheathing
 - a. Wood bracing, blocking, and framing for openings.
 - b. Subflooring.

1.2 References

- A. International Code Council (ICC) (www.iccsafe.org)
 - 2006 International Building Code (IBC)
 - 2006 International Residential Code (IRC)
 - 1999 BOCA National Building Code/1999 (BNBC)
 - 1999 Standard Building Code (SBC)
 - 1997 Uniform Building Code (UBC)
- B. National Institute of Standards and Technology (NIST) (www.nist.gov) PS20 American Softwood Lumber Standard.
- C. Canadian Wood Council member lumber grading agencies qualified by the American Lumber Standards Board of Review.

1.3 System Description

- A. Design Floor Loads:
 - 1. Live Load.
 - 2. Dead Load.
 - 3. Deflection Maximum.

1.4 Submittals

- A. Submittals for Review:
 - 1. Shop Drawings: Indicate sizes and spacing of joists and associated components, web and chord member sizes, loading, bracing and blocking, and framed openings.
 - 2. Product Data: Include joist configurations, bearing and anchor details, bracing, and blocking.

1.5 Quality Assurance

- A. Manufacturer:
 - 1. Experience in manufacture of open web wood joists.
 - 2. Member of Wood Truss Council of America (WTCA).
- B. Lumber Grading Agency: Certified to NIST PS 20.
- C. Joists: Meet requirements of ICC International Building Code; certified by ICC Evaluation Service, Inc.

1.6 Delivery, Storage and Handling

- A. Handle joists upright by bottom flange.
- B. Prevent excessive flat-wise bending of joists.
- C. For joists stored outdoors:
 - 1. Place joists on blocks or spacers located at ends and maximum 10 feet on-center.

- 2. Cover joists with properly vented, waterproof coverings.
- 3. Do not stack joist bundles more than three high.
- 4. Leave joist bundle bands in place until ready to use.

PART 2 - PRODUCTS

2.1 Manufacturer

- A. Contract documents are based on OPEN JOIST by Universal Forest Products, Inc.

2.2 Materials

- A. Lumber: Spruce-Pine-Fir, graded to requirements of Canadian Wood Council lumber grading agencies.

2.3 Accessories

- A. Lumber for bracing, blocking, and framed openings.
- B. Fasteners.

2.4 Fabrication

- A. Fabricate joists to achieve specified structural requirements.

PART 3 - EXECUTION

3.1 Installation

- A. Install joists and accessories in accordance with manufacturer's instructions and approved shop drawings.
- B. Set joists level, plumb, right side up, in correct position.
- C. Joists may be trimmed maximum 5-1/2 inches on each end; leave minimum 1-3/4 inches of solid end block intact.
- D. Do not cut, notch, or drill joist top chords, bottom chords or webs.
- E. Provide minimum 1-1/2 inches of bearing at each end of joists.
- F. Fasten joists to top plates, bearing plates, rim boards, and other joists butting end to end or lapping at ends.
- G. Place temporary 2x4 lumber bracing perpendicular to joists at maximum 8 feet on-center, spanning minimum of three joists. Fasten bracing to each joist.
- H. Place triangulated 2x4 lumber bracing or 4-foot wide strip of temporary or permanent sheathing where end walls are not braced.
- I. Remove temporary bracing and sheathing progressively as permanent subflooring is installed.
- J. Install permanent bracing at locations indicated on shop drawings.
- K. Frame openings between trusses with lumber in accordance with Section ____.
- L. Coordinate placement of subflooring with work of this section.
- M. Installation Tolerances:
 - 1. Location of framing members:
Maximum __ inch(es) from indicated positions.

