APA Engineer Reference Materials

April 2016

Design & Construction Guides

- Engineered Wood Construction Guide, Form E30
- Advanced Framing Construction Guide, Form M400
- APA Simplified Bracing Method: Simpler Bracing, Simply Stronger, Form P310
- Brace Walls with Wood, Form G440
- Build a Better Home: Foundations, Form A520
- Build a Better Home: Mold and Mildew, Form A525
- Build a Better Home: Roofs, Form A535
- Build a Better Home: Walls, Form A530
- Building for High Wind Resistance in Light-Frame Wood Construction, Form M310
- Concrete Forming Design/Construction Guide, Form V345
- Data File: APA Rim Board[®] in Fire Rated Assemblies, Form D350
- Data File: Selection, Installation, and Preparation of Plywood Underlayment, Form L335
- Data File: Nailed Structural-Use Panel and Lumber Beams, Form Z416
- Data File: Roof Sheathing Fastening Schedules for Wind Uplift, Form T325
- Design of Structural Glued Laminated Timber Columns, Form Y240
- Designing to Meet IRC Fire Protection Provisions for I-Joist Floor Systems, Form R425
- Diaphragms and Shear Walls, Form L350
- Fire-Rated Systems, Form W305
- Glued Laminated Beam Design Tables, Form S475
- Glulam Design Specification, Form Y117
- Glulam Floor Beams, Form C415
- Glulam Layup Combinations, Form Y117-SUP
- IECC Compliance Options for Wood-Frame Wall Assemblies, Form P320
- Introduction to Lateral Design, Form X305
- Introduction to Wall Bracing, Form F430
- Nail-Base Sheathing for Siding and Trim Attachment, Form Q250
- Noise-Rated Systems, Form W460
- Panelized Roofs, Form G630
- Performance Rated I-Joist Roof Framing Details, Form D710
- Raised-Heel Trusses Construction Guide, Form R330
- System Report 101: Design for Combined Shear and Uplift from Wind, Form SR-101
- System Report 102: APA Simplified Wall Bracing Method Using Wood Structural Panel Continuous Sheathing, *SR-102*
- System Report 103: Use of Wood Structural Panels for Energy-Heel Trusses, Form SR-103
- System Report 405: Fire Protection of Floors Constructed with Prefabricated Wood I-Joists for Compliance with the International Residential Code, *Form SR-405*
- Technical Note: Sprinkler Installation for APA Performance Rated I-Joists, Form J745
- Sprinkler Pipe Installation Details—A supplement to Technical Note: Sprinkler Installation for APA Performance Rated I-Joists, *Form J745_SUP*
- Technical Note: Stairwell Openings in APA PRI I-Joist Floors, Form Z705
- Technical Note: Temporary Construction Loads Over I-Joist Roofs and Floors, Form J735



Design & Construction Guides, continued

- Wind-Rated Roofs: Designing Commercial Roofs to Withstand Wind Uplift Forces, Form G310
- Wood Structural Panels Over Metal Framing, Form T625

Engineered Wood Product Guides

- A Guide to Engineered Wood Products, Form C800
- American National Standard for Performance-Rated Structural Insulated Panels in Wall Applications, Form PRS-610-2013
- American National Standard for Performance-Rated Structural Insulated Panels in Wall Applications, Form PRS-610-2013
- American National Standard, Standard for Structural Glued Laminated Timber of Softwood Species, Form ANSI 117-2015
- American National Standard, Standard for Adhesives for Use in Structural Glued Laminated Timber, *Form* ANSI 405-2013
- American National Standard, Standard for Adhesives for Use in Structural Glued Laminated Timber, *Form* ANSI 405-2008
- American National Standard, Standard for Wood Products Structural Glued Laminated Timber, Form ANSI A190.1-2012
- ANSI/APA Standard for Performance-Rated Engineered Wood Siding, Form PRP 210-2014
- ANSI Standard for Adhesives for use in Structural Glued Laminated Timber, Form ANSI 405-2013
- Data File: 303 Siding Manufacturing Specifications, Form B840
- Data File: APA Performance Rated Rim Boards[®], Form W345
- HDO/MDO Plywood Product Guide, Form B360
- Oriented Strand Board, Form W410
- Panel Design Specification, Form D510
- Performance Rated I-Joists, Form Z725
- Performance Rated Panels, Form F405
- Performance Rated Siding, Form E300
- Plywood Design Specification, Form Y510
- PRI-405: Performance Standard for APA EWS Commercial I-Joists, Form PRI-405
- Product Guide: Glulam, Form X440
- PRR 410: Standard for Performance Rated Engineered Wood Rim Boards[®], Form PRR 410
- Technical Note: Glulam Connection Details, Form T300
- Voluntary Performance Standard PS2-10 for Wood-Based Structural-Use Panels, Form S350
- Voluntary Product Standard PS1-09 Structural Plywood, Form L870

Case Studies

- Albert Lea High School, Form B115
- Atlantic Station Condominiums, Form J130
- Audrain Museum, Form Q125
- Auzten Stadium, Form C110
- Bear Hill Condominiums, Form X160



Case Studies, continued

- Beaverton City Library, Form A115
- Brelsford WSU Visitor Center, Form R130
- California Projects Showcase: All-Wood Podiums in Mid-Rise Construction, Form N110
- Cathedral of Christ the Light, Form J140
- Charter Schools for National Heritage Academies, Form A110
- Colorado Custom Residence, Form R135
- Disney ICE, Form W120
- Engineered Wood in School Design, Form B210
- Environmental Nature Center, Form K115
- Great Wolf Lodge, Form J135
- Jackson Hole Airport, Form R110
- Kelowna Office Building, Form Q210
- HarborCenter, Form S110
- LeMay—America's Car Museum, Form N115
- Liberty High School, Form Y115
- Lone Survivor House, Form R115
- Microtel Inn, Form X165
- Northgate Mall, Form Y120
- Palmer Events Center, Form C120
- Placer River Trail Bridge, Form Q110
- Portland Bulk Terminal, Form X140
- Raised Wood Floors: Case Studies in Progressive Home Construction, Form K110
- Redlin Art Museum, Form X110
- REI Flagship Store, Form W155
- Reveley Classroom Building, Form Q115
- Santa Maria Water Reservoir, Form C115
- The Village at Germantown, Form G110
- Washington State History Museum, Form W115
- Westend Apartments, Form Q130
- Winfield Gate, Form Q120

Technical Information

- Research Report 138: Plywood Diaphragms, Form E315
- Research Report 154: Wood Structural Panel Shear Walls, Form Q260
- Technical Note: APA Performance Rated Panel Subfloors under Hardwood Flooring, Form R280
- Technical Note: Buckling of Wood-Based Panel Siding, Form F410
- Technical Note: Calculating Fire Resistance of Glulam Beams and Columns, Form EWS Y245
- Technical Note: Condensation Causes and Control, Form X485
- Technical Note: Corrosion-Resistant Fasteners for Construction, Form D485
- Technical Note: Fastener Loads for Plywood Bolts, Form E825
- Technical Note: Fastener Loads for Plywood Screws, Form E830
- Technical Note: Field Notching and Drilling of Glued Laminated Timber Beams, Form S560



Technical Information, continued

- Technical Note: Fire-Retardant-Treated (FRT) Plywood, Form K320
- Technical Note: Floor Squeaks Causes, Solutions and Prevention, Form C468
- Technical Note: Glulam Beam Camber, Form S550
- Technical Note: Jumbo Panels for Nonresidential Roofs, Form W220
- Technical Note: Load Span Tables for APA Structural-Use Panels, Form Q225
- Technical Note: Minimizing Buckling of Wood Structural Panels, Form D481
- Technical Note: Panel Edge Support for Narrow-Width Roof Sheathing, Form R275
- Technical Note: Portal Frame Bracing Without Hold-Down Devices for Use in Continuously Sheathed Walls, *Form J740*
- Technical Note: Stapled Sheet Metal Blocking for APA Panel Diaphragms, Form N370
- Technical Note: Using Wood Structural Panels for Combined Uplift and Shear Resistance, *Form E510*
- Technical Note: Water Vapor Permeance of Wood Structural Panels and Wood Wall Construction, *Form J450*

General Information

- APA Publication Catalog, Form B300
- Engineered Wood Handbook and Grade Glossary, Form X505
- Wood: Sustainable Building Solutions, Form F305

