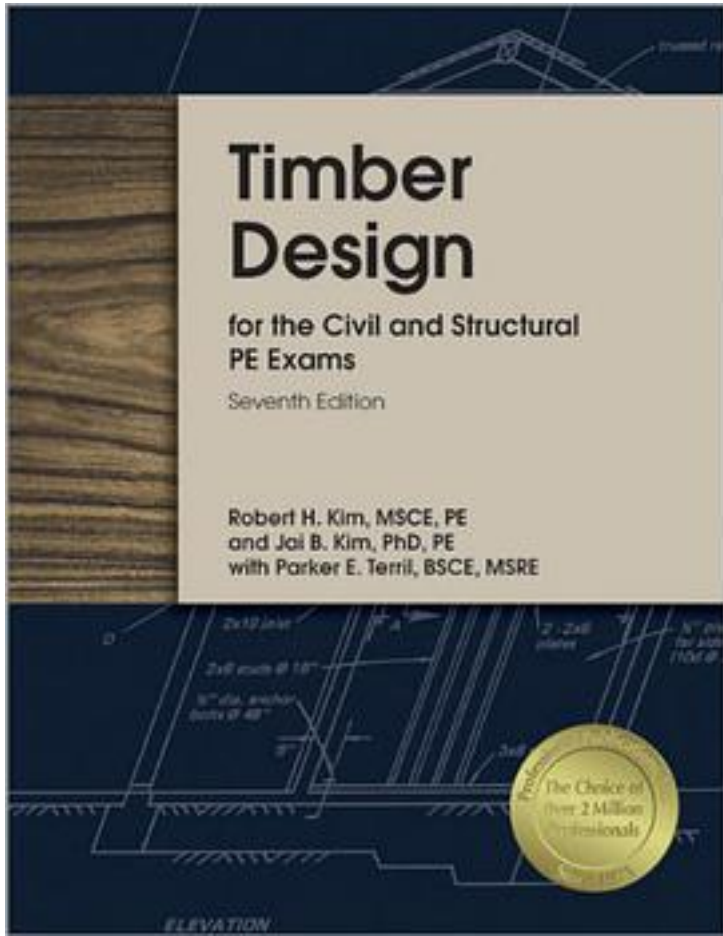


Timber Design for the Civil and Structural PE Exams



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"Timber Design for the Civil and Structural PE Exams" provides you with a comprehensive overview of the key elements of timber design required to solve

problems on the Civil, Structural I, and Structural II PE exams. Sharpen your problem-solving skills and assess your knowledge of timber design standards with 40 design examples and 6 scenario-based practice problems that include step-by-step solutions. "Prepare to pass the Civil and Structural PE exams" Complete overview of required codes and standards Conforms to the 2005 "National Design Specification" (NDS) Uses both "Load Resistance Factor Design" (LRFD) and "Allowable Stress Design" (ASD) timber design methods 40 design examples and 6 scenario-based practice problems Easy-to-use tables, figures, and bridge design nomenclature "Topics Covered" Structural and Physical Properties of Wood Mechanical Properties of Lumber Lumber Size Categories and Allowable Design Stress Beam Design: Sawn Lumber of Wood and Glued Laminated Timber Axial Members Combined Bending and Axial Loading Mechanical Connections Nails, Spikes, and Bolts Lag Screws and Wood Screws Split Rings and Shear Plates Plywood and Nonplywood Structural Panels

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