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Nota di contenuto	Frontmatter -- a Principles. Material-related -- a1 Wood - natural building material with potential -- a2 Ecology, sustainable building -- a3 Conception and design -- a4 Material -- b Construction systems. Loadbearing structure, building structure, design -- b1 Overview of systems -- b2 Fabrication processes -- b3 Log construction -- b4 Timber-frame construction -- b5 Balloon frame, platform frame -- b6 Panel construction -- b7 Frame construction -- b8 Solid timber construction -- b9 Roof structures -- b10 Suspended floor structures -- b11 Multi-storey timber buildings -- c Building envelope, walls, suspended floors. Functions, layers, construction -- c1 Fundamentals, functions, tasks -- c2 Design and construction -- c3 External walls -- c4 Pitched roofs -- c5 Flat roofs -- c6 Party walls, internal walls -- c7 Suspended floors -- d Boundary conditions. Moisture content, protecting timber, fire protection -- d1 Moisture content -- d2 Protecting timber -- d3 Fire protection -- Backmatter
Sommario/riassunto	Der Holzbau hat sich grundlegend erneuert. Er hat gegenüber Konkurrenzbaustoffen deutlich an Marktanteilen gewonnen und wird

von Systemen wie Rahmen-, Skelett- und Massivholzbau dominiert. Jeder Holzbau ist durch Struktur bestimmt. Dabei ist es wesentlich, die Zusammenhänge vom Entwurf bis zur Konstruktion zu kennen.

"Holzbau mit System" geht dieses Thema auf völlig neue Weise an. Es ist eine analytische, visuell aufgebaute Gesamtdarstellung vom einfachen Einfamilienhaus bis zum mehrgeschossigen Grossbau.

Einbezogen sind auch die für das Energiesparen so wichtige Gebäudehülle und die konstruktiv grundlegenden Systeme für Decken und innen liegende Trennwände. Dieses Werk zeigt mit Plänen, schematischen Zeichnungen und Bildern den aktuellen und zukunftsweisenden Stand der Technik, konkretisiert am Beispiel der Schweiz, einem führenden Land im innovativen Holzbau.

Timber construction has become completely modernized. It has gained considerably in market share with respect to competing building materials and is dominated by systems such as frame and solid timber construction. Every timber construction is determined by its structure. Hence it is essential to know the connections and relationships from the design stage right through to the construction phase. Systems in Timber Engineering takes a whole new approach to this subject. It is a comprehensive, analytical, and visually organized treatment, from the simple single-family house to the large-scale multistore structure. It includes the building envelope, which is so important for saving energy, and systems for ceilings and interior dividing walls, which are so essential from the vantage point of construction. This work uses plans, schematic drawings, and pictures to show the current and forward-looking state of the technology as applied in Switzerland, a leading country in the field of timber construction.
