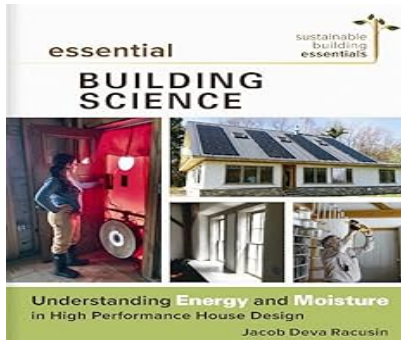


Essential Building Science: Understanding Energy and Moisture in High Performance House Design: 3 By Jacob Deva Racusin That said I was surprised that given what I assumed to be a 2016 publication date there was no new knowledge as compared to books I already have on passive solar airtight houses but I don't mean it in a bad way. Jacob Deva Racusin Down and dirty - a complete step by step guide to making installing and living with beautiful all natural earthen floors Poor heat and moisture management are the enemies of durable comfortable and efficient housing and good building design and construction starts with a solid understanding of good building science. Part one covers the rationale behind high performance design and the fundamentals of building physics including thermal dynamics moisture transfer and hygro thermal dynamics such as vapor drive and condensation. Part two teaches the vital critical thinking skills needed to consider buildings as whole systems and to develop thermal and moisture control strategies regardless of the specifics of the design. Case studies and examples from across North American climatic zones illuminate real life problems and offer builders designers and DIYers the insights and tools required for creating better new buildings and dramatically improving old ones. Don't get me wrong the information the author compiles is accurate but its basically already well known and common knowledge. So if the whole concept of building an energy efficient house is totally new to you then this book is a concise introduction to the topic, It does not however go into any technical details or building plans: I will pass this book on to someone with no knowledge of the subject matter as an introductory text: Got it for my husband as he seemed impressed wt the library copy Jacob Deva Racusin An excellent place to break into building science, I consider this entry level.

This is a well written book by a pleasant person. If you're looking for a basic understanding of thermodynamics in reference to construction this is your book, Jacob Deva Racusin Better book than most Jacob Deva Racusin As a designer just what I was needing to be enlightened: Essential Building Science provides a highly visual and accessible introduction to the fundamentals of building science for residential construction: Good science plus critical thinking equals high performance buildings. Essential Building Science: Understanding Energy and Moisture in High Performance House Design: 3



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Moisture management etc from decades ago. Jacob Deva Racusin A useful book to have on hand. Seems to cover a lot. It will get you started down the right path