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plan and budget the costs of green construction both new commercial construction and renovation work It reflects years of careful cultivation and expansion of the thousands of green line items in the RSMeans cost database presented in CSI MasterFormat 2010 for convenient reference **Green Building** RSMeans,2006-12-28 Since the widely read first edition of this book green building has gone from a growing trend to a major force in design and construction The chapters case studies resources and cost data in this book give you the whole picture on green building including the latest on Green building approaches materials systems and standards Energy efficiencies with energy modeling tools Health comfort and productivity goals and techniques Evaluating the cost versus value of green products over their life cycle Specifying green building projects complete with a list of often specified products materials and a sample spec Low cost green strategies and special economic incentives and funding Assembling the green project team and commissioning the building Deconstruction a new chapter on this key element of sustainable building FEATURES This 2nd edition has been completely updated with the latest in green building technologies design concepts standards and costs It includes RSMeans Green Building Project Planning Cost Data CD ROM at no additional cost The CD contains More than 300 new assemblies from high efficiency HVAC and lighting to living roofs fuel cells gray water systems and much more Over 7 000 unit price line items for green materials and products Key word index Virtual notes to highlight individual lines Extensive estimating reference tables Localized costs for your geographic area Energy-Efficiency Standards and Green Building Certification Systems Used by the Department of Defense for Military Construction and Major Renovations Committee to Evaluate Energy-Efficiency and Sustainability Standards Used by the Department of Defense for Military Construction and Repair,Board on Infrastructure and the Constructed Environment,Division on Engineering and Physical Sciences,National Research Council,2013-06-18 Congress has an ongoing interest in ensuring that the 500 000 buildings and other structures owned and operated by the Department of Defense DOD are operated effectively in terms of cost and resource use Section 2830 of the National Defense Authorization Act for fiscal year requires the Secretary of Defense to submit a report to the congressional defense committees on the energy efficiency and sustainability standards used by DOD for military construction and major renovations of buildings DOD s report must include a cost benefit analysis return on investment and long term payback for the building standards and green building certification systems including A American Society of Heating Refrigerating and Air Conditioning Engineers ASHRAE Standard 189 1 2011 for the Design of High Performance Green Buildings Except Low Rise Residential B ASHRAE Energy Standard 90 1 2010 for Buildings Except Low Rise Residential C Leadership in Energy and Environmental Design LEED Silver Gold and Platinum certification for green buildings as well as the LEED Volume certification D Other American National Standards Institute ANSI accredited standards DOD s report to the congressional defense committees must also include a copy of DOD policy prescribing a comprehensive strategy for the pursuit of design and building standards across the department that include specific energy efficiency standards and sustainable design

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