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Dimension Stone Design Manual

JR Anderson

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Dimension Stone Cladding Kurt R. Hoigard,2000 Stone cladding preconstruction evaluation Stone weathering and durability Design of stone cladding systems Investigation and restoration of existing stone cladding systems Building Facade Maintenance, Repair, and Inspection Jeffrey L. Erdly, Thomas A. Schwartz, 2004 Combined with ASTM Standard Practice for Periodic Inspection of Building Facades for Unsafe Conditions E 2270 this new publication provides a rational guide for building owners and governing authorities to help ensure the safety of our aging building infrastructure Twenty four peer reviewed papers written by experts who bring first hand knowledge and experience to this work cover faade ordinances historic buildings data collection techniques and repair techniques Stone Cladding Engineering Rui de Sousa Camposinhos, 2013-08-20 This volume presents new methodologies for the design of dimension stone based on the concepts of structural design while preserving the excellence of stonemasonry practice in fa ade engineering Straightforward formulae are provided for computing action on cladding with special emphasis on the effect of seismic forces including an extensive general methodology applied to non structural elements Based on the Load and Resistance Factor Design Format LRDF minimum slab thickness formulae are presented that take into consideration stress concentrations analysis based on the Finite Element Method FEM for the most commonly used modern anchorage systems Calculation examples allow

designers to solve several anchorage engineering problems in a detailed and objective manner underlining the key parameters The design of the anchorage metal parts either in stainless steel or aluminum is also presented Olin's Construction H. Leslie Simmons, 2011-12-20 Get the updated industry standard for a new age of Stone Cladding, construction For more than fifty years Olin s Construction has been the cornerstone reference in the field for architecture and construction professionals and students This new edition is an invaluable resource that will provide in depth coverage for decades to come You ll find the most up to date principles materials methods codes and standards used in the design and construction of contemporary concrete steel masonry and wood buildings for residential commercial and institutional use Organized by the principles of the MasterFormat 2010 Update this edition Covers sitework concrete steel masonry wood and plastic materials sound control mechanical and electrical systems doors and windows finishes industry standards codes barrier free design and much more Offers extensive coverage of the metric system of measurement Includes more than 1 800 illustrations 175 new to this edition and more than 200 others revised to bring them up to date Provides vital descriptive information on how to design buildings detail components specify materials and products and avoid common pitfalls Contains new information on sustainability expanded coverage of the principles of construction management and the place of construction managers in the construction process and construction of long span structures in concrete steel and wood The most comprehensive text on the subject Olin's Construction covers not only the materials and methods of building construction but also building systems and equipment utilities properties of materials and current design and contracting requirements Whether you re a builder designer contractor or manager join the readers who have relied on the principles of Olin s Construction for more than two generations to master construction operations

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