

Mechanical And Electrical Equipment For Buildings 10 Edition

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the definitive guide to the design of environmental control systems for buildings now updated in its 13th edition mechanical and electrical equipment for buildings is the most widely used text on the design of environmental control systems for buildings helping students of architecture architectural engineering and construction understand what they need to know about building systems and controlling a building s environment with over 2 200 drawings and photographs this 13th edition covers basic theory preliminary building design guidelines and detailed design procedure for buildings of all sizes it also provides information on the latest technologies emerging design trends and updated codes presented in nine parts mechanical and electrical equipment for buildings thirteenth edition offers readers comprehensive coverage of environmental resources air quality thermal visual and acoustic comfort passive heating and cooling water design and supply daylighting and electric lighting liquid and solid waste and building noise control this book also presents the latest information on fire protection electrical systems and elevator and escalator systems this thirteenth edition features over 2 200 illustrations with 200 new photographs and illustrations all new coverage of high performance building design thoroughly revised references to codes and standards ashrae ies usgbc leed living building challenge well building standard and more updated offering of best in class ancillary materials for students and instructors available via the book s companion website architect registration examination are style study questions available in the instructor s manual and student guide mechanical and electrical equipment for buildings has been the industry standard reference that comprehensively covers all aspects of building systems for over 80 years this thirteenth edition has

evolved to reflect the ever growing complexities of building design and has maintained its relevance by allowing for the conversation to include why as well as how to

services and equipment in complex modern buildings account for over one third of the total cost therefore study of services and equipment is essential for technicians in construction surveying and architecture building services and equipment volume 1 is the first book in a widely acclaimed trilogy that has become established as the leading work in this field this volume deals with the topics of fuel conservation and thermal comfort by use of integrated heating ventilating air conditioning and lighting systems district heating thermal insulation heat pumps and thermostatic controls

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