

THE ART OF READING BUILDINGS

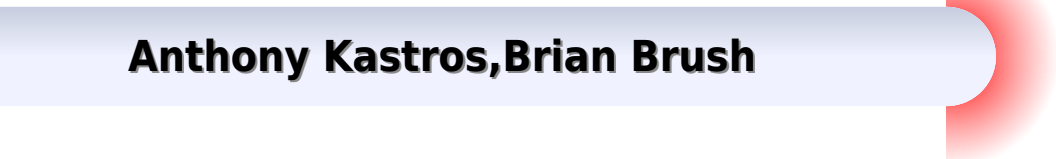


Fire Engineering

JOHN MITTENDORF & DAVE DODSON

The Art Of Reading Buildings

Anthony Kastros, Brian Brush



The Art Of Reading Buildings:

The Art of Reading Buildings John Mittendorf, David W. Dodson, 2015 **The Art of Reading Buildings** John Mittendorf, Dave Dodson, 2015-01-07 The Art of Reading Buildings focuses on the practical art of reading a building and applying its positive and negative attributes in developing a size up for fireground operations that center on structure fires. First due company officers, incident commanders, and safety officers will appreciate the practical street-wise lessons captured in the book. Chief officers, training officers, engineers, firefighters, and fire science degree candidates will benefit from the wide range of building construction topics covered in this text. Features include: Understand the technical and practical aspects of building construction; Learn on the spot building construction assessment using the authors' custom Rapid Street Read Guides; Develop a quick construction size up for immediate application to fireground operations; Recognize firefighter traps in newer and alternative construction methods. This text covers objectives for the National Fire Academy's Fire and Emergency Services in Higher Education (FESHE) Building Construction for Fire Protection course. *Firefighting Operations Leadership: The Art of Incident Management (first book)* Sherif Khaled, Accidents have occurred since ancient times; fires, drownings, and collapses are all well-known incidents with a long history. Firefighting experts, through their field experience and struggles with such events, sought methods to help them contain incidents quickly. This led to the emergence of what is known as the Incident Management System. The incident referred to here is the advanced type that can be controlled by the capabilities and resources of civil protection departments with some limited technical assistance such as paramedics and technicians from electricity or water companies. The book discusses the stages of incident response, beginning with the pre-incident phase and its importance in gathering information about the site and anticipating possible incidents to help determine the required resources and potential intervention strategies. It also examines fire behavior, its development, and indicators; effective water management in firefighting; various ventilation techniques; and direct intervention instructions in terms of using fire hoses and effective water streams. The study also addresses intervention strategies: offensive, defensive, and purely defensive, with examples for each. It explains how to organize operations at the incident scene and how to transfer command to another leader when the incident escalates beyond local response capabilities. 6 Finally, it reaches an important point in this study: the leadership of advanced incident response, its components, the role of each component, and how these elements are linked through a proposed organizational structure for incident command. Mastering Fireground Command: Calm the Chaos! Anthony Kastros, Brian Brush, 2024-03-13 Anthony Kastros and Brian Brush's *Mastering Fireground Command: Calm the Chaos* is an unprecedented text with more than 1,000 years of combined experience in command case studies by incident commanders from coast to coast. This book will empower you with the skills to improve communications, risk assessment, and accountability with less radio traffic. Develop an aggressive team to save more civilian lives while keeping firefighters from unnecessary risk. Bridge the tactical gap between the incident

commander and crews working at the front Apply military models of decentralization and empowerment to outpace the incident regardless of type Integrate the latest data from the Firefighter Rescue Survey and UL FSRI to maximize effectiveness Rapidly organize tactics and resources for house fires apartment fires hotels motels commercial buildings taxpayers big boxes strip malls row houses high rises Maydays vegetation fires wildland urban interface multi casualty incidents hazardous materials incidents and even unified command incidents Mastering Fireground Command meets the FESHE curriculum for the Strategies and Tactics and Disaster Planning and Control courses connects to job performance requirements JPRs of NFPA 1021 for Fire Officers I IV and is consistent with the most current NFPA NIMS and FIREScope standards and expectations

The Art of Building in the Classical World John R. Senseney, 2011-03-14 This book examines the application of drawing in the design process of classical architecture exploring how the tools and techniques of drawing developed for architecture subsequently shaped theories of vision and representations of the universe in science and philosophy Building on recent scholarship that examines and reconstructs the design process of classical architecture John R. Senseney focuses on technical drawing in the building trade as a model for the expression of visual order showing that the techniques of ancient Greek drawing actively determined concepts about the world He argues that the uniquely Greek innovations of graphic construction determined principles that shaped the massing special qualities and refinements of buildings and the manner in which order itself was envisioned

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On Alberti and the Art of Building Robert Tavernor, 1998-01-01 Leon Battista Alberti 1404-72 writer painter and sculptor mathematician and most famously architectural theorist and architect came closer than anyone to the Renaissance ideal of the complete man Recognised by his contemporaries as an extraordinary person he helped to shape through his writings and his practical example in the arts the way in which the natural and artificial world was perceived and represented during the Renaissance

The Art of Organ Building, Vol. 1 George Ashdown Audsley, 2013-08-08 Volume 1 of this set includes an outline of organ history external design and decoration internal arrangement and mechanical systems acoustics more Complete with illustrations tables and specifications Set includes 385

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