

2012 International Plumbing Code Commentary

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a companion resource which helps to understand the application and intent of the requirements of the international plumbing code

mastering code compliance has never been so easy the 2015 international plumbing code commentary will take readers on a journey through the newly updated 2015 international plumbing code ipc stopping along the way for insightful commentaries that explore both the rationale for and the practical implications of the code its strategy is simple give readers the basic technical requirements and then reinforce that content by discussing the regulations in a real world context coverage includes the historical background for the code effective methods for applying it and potential consequences when it is not followed this unique resource can provide the solid working knowledge that is so critical to professionals in a variety of positions from code officials and construction workers to building contractors and plumbers

preface significant changes in the plumbing industry as well as in manufacturing technology had become so commanding that a radically new approach to the design and installation of plumbing systems seemed an imperative the reply to that imperative was the international plumbing code a document emphasizing prescriptive and performance related provisions as a follow up to the international plumbing code we offer a companion document the international plumbing code commentary the basic appeal of the commentary is thus it provides in a small package and at reasonable cost thorough coverage of many issues likely to be dealt with when using the international plumbing code and then supplements that coverage with historical and technical background reference lists information sources and bibliographies are also included throughout all of this strenuous effort has been made to keep the vast quantity of material accessible and its method of presentation useful with a comprehensive yet concise summary of each section the commentary provides a convenient reference for plumbing regulations in the chapters that follow

discussions focus on the full meaning and implications of the code text guidelines suggest the most effective method of application and the consequences of not adhering to the code text illustrations are provided to aid understanding they do not necessarily illustrate the only methods of achieving code compliance the format of the commentary includes the full text of each section table and figure in the code followed immediately by the commentary applicable to that text each section s narrative includes a statement of its objective and intent and usually includes a discussion about why the requirement commands the conditions set forth code text and commentary text are easily distinguished from each other all code text is shown as it appears in the international plumbing code and all commentary is indented below the code text and begins with the symbol readers should note that the commentary is to be used in conjunction with the international plumbing code and not as a substitute for the code the commentary is advisory only the code official alone possesses the authority and responsibility for interpreting the code

a practical tool that helps you to master the code you deal with every day this comprehensive publication provides a convenient reference for regulations in the 2021 international plumbing code ipc presented in an easy to reference format the commentary includes the full text of the code including tables and figures followed by corresponding commentary at the end of each section in one document every chapter begins with general comments and purpose sections followed by code and commentary to subsequent sections tables and figures this in depth publication focuses on providing the full meaning and implications of the 2021 ipc the commentaries are designed to suggest the most effective method of application and the consequences of not adhering to the code this is an excellent reference for code officials engineers architects inspectors plans examiners contractors and anyone who needs a better understanding of the 2021 ipc

the quality and testing of materials used in construction are covered by reference to the appropriate astm standard specifications welding of reinforcement is covered by reference to the appropriate aws standard uses of the code include adoption by reference in general building codes and earlier editions have been widely used in this manner the code is written in a format that allows such reference without change to its language therefore background details or suggestions for carrying out the requirements or intent of the code portion cannot be included the commentary is provided for this purpose some of the considerations of the committee in developing the code portion are discussed within the commentary with emphasis given to

the explanation of new or revised provisions much of the research data referenced in preparing the code is cited for the user desiring to study individual questions in greater detail other documents that provide suggestions for carrying out the requirements of the code are also cited

the devil is in the details the science and art of designing and building durable efficient straw bale buildings straw bale buildings promise superior insulation and flexibility across a range of design aesthetics while using a typically local and abundant low embodied energy material that sequesters carbon an important part of mitigating climate change however some early straw bale designs and construction methods resulted in buildings that failed to meet design goals for energy efficiency and durability this led to improved building practices and a deeper understanding of the building science underlying this building system distilling two decades of site built straw bale design and construction experience straw bale building details is an illustrated guide that covers principles and process of straw bale design and building options and alternatives building science of straw bale wall systems how design impacts cost building efficiency and durability avoiding costly mistakes and increasing construction efficiency dozens of time tested detailed drawings for straw bale wall assemblies including foundations windows and doors and roofs whether you re an architect engineer contractor or owner builder interested in making informed choices straw bale building details is the indispensable guide to current practice in straw bale design and construction

a comprehensive guide to regulations for plumbing systems that covers fixtures faucets water heaters sanitary drainage indirect or special waste vents and more

summarizes all codes regulations and standards that govern the design and construction of industrial facilities table of contents industrial safety codes and economic considerations msd sheets hazardous chemicals hazardous processes confined in buildings hazardous process equipment safety reviews prevention of vapor dust releases twelve sources of ignition life safety codes building codes legal trade offs and economic considerations osha diagramming codes and references automatic fire and explosion suppression smoke control and ventilation plumbing for hazardous processes electrical classification nec code static electricity grounding fire alarm systems environmental air regulations industrial hazardous waste wastes ust underground storage tanks asbestos regulations 100 illustrations

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