Guide to Formwork for Concrete

An ACI Standard

Reported by ACI Committee 347

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Objectives of safety, quality, and economy are given priority in these guidelines for formwork. A section on contract documents explains the kind and amount of specification guidance the engineerinehitect should provide for the contractor. The remainder of the report advises the formwork engineer/ contractor on the hest ways to meet the specification requirements safely and economically. Separate chapters deal with design, construction, and materials for formwork. Considerations peculiar to architectural concrete are also outlined in a separate chapter. Other sections are devoted to formwork for bridges, shells, mass concrete, and underground work. The concluding chapter on formwork for special methods of construction includes slipforming, preplaced-aggregate concrete, tremie concrete, procunt, and prestressed concrete.

Keywords: anchors: architectural concrete; contings; concrete; construction; falsework: form ties: forms; formwork; foundations; quality control: reshoring, shoring, sliptorm construction, specifications, teletunees,

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Guide to Formwork for Concrete American Concrete Institute.2005 Formwork for Concrete Mary Krumboltz Hurd, 2005 Formwork for Concrete has been written to serve a broad range of needs for information on formwork For the experience designer or builder of formwork it is a ready reference on material properties design data and construction suggestions For the engineer architect it adds guidance in relating details of the sturcture s design to the problems and possibilities of executing them in concrete For the novice the book provides an introduction to many common formwork practices explaining basic design principles and encouraging a rational rather than rule of thumb approach to formwork book Specifications for Structural Concrete, ACI 301-05, with Selected ACI References American Concrete iacket The Contractor's Guide to Quality Concrete Construction ,2005 Institute, 2005 SP-4 (8th) Formwork for Concrete David West Johnston, American Concrete Institute, 2014-01-01 **Concrete Construction Engineering** Handbook Edward G. Nawy, 2008-06-24 The Concrete Construction Engineering Handbook Second Edition provides in depth coverage of concrete construction engineering and technology It features state of the art discussions on what design engineers and constructors need to know about concrete focusing on The latest advances in engineered concrete materials Reinforced concrete construction Specialized construction techniques Design recommendations for high performance With the newly revised edition of this essential handbook designers constructors educators and field personnel will learn how to produce the best and most durably engineered constructed facilities ACI 347R-14, Guide to Formwork for Concrete ACI Committee 347--Formwork for Concrete, American Concrete Institute, 2014 **Building Code Requirements for** Structural Concrete (ACI 318-08) and Commentary ACI Committee 318, American Concrete Institute, 2008 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 Guide to Formwork for Concrete ACI Committee 347--Formwork for requirements of the Code are also cited Concrete,1994 Advanced Concrete Design Mr. Rohit Manglik, 2024-09-24 This book offers a detailed exploration of advanced concrete design focusing on key concepts methodologies and practical implementations relevant to modern engineering and technology practices **ACI Manual of Concrete Practice** ,2005 **Guide to Formwork for Concrete**

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