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ANSI / ASCE 3-91

ANSI / ASCE 9-91

ANSI Approved December 11, 1992

ASCE STANDARDS

American Society of Civil Engineers

Standard for the Structural Design of Composite Slabs

ANSI/ASCE 3-91

ANSI Approved December 11, 1992

Standard Practice for Construction and Inspection of Composite Slabs

ANSI/ASCE 9-91

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ABSTRACT

American Society of Civil Engineers Standard for the Structural Design of Composite Slabs, ASCE Standard Practice for Construction and Inspection of Composite Slabs (ASCE 3-91 and ASCE 9-91 respectively) presents standards for the structural design and testing of composite slabs and for good construction practice and inspection procedures. In addition, commentaries on both standards are included. The "Standard for the Structural Design of Composite Slabs" (ASCE 3-91) and its "Commentary" cover such topics as loads, construction stage, strength design, service load design, test procedures, and test results evaluation. The "Standard Practice for the Construction and Inspection of Composite Slabs" (ASCE 9-91) and its "Commentary" discuss such topics as damage control, connections, concrete placement, shore removal, holes and hole reinforcement. These standards are written in such a form that they may be adopted by reference in a general building code.

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STANDARDS

In April 1980, the Board of Direction approved ASCE Rules for Standards Committees to govern the writing and maintenance of standards developed by the Society. All such standards are developed by a consensus standards process managed by the Management Group F (MGF), Codes and Standards. The consensus process includes balloting by the balanced standards committee made up of Society members and non-members, balloting by the membership of ASCE as a whole and balloting by the public. All standards are updated or reaffirmed by the same process at intervals not exceeding five years.

The following standards have been issued:

ANSI/ASCE 1-88 N-725 Guidelines for Design and Analysis of Nuclear Safety Related Earth Structures
 ANSI/ASCE 2-91 Measurement of Oxygen Transfer in Clean Water
 ANSI/ASCE 3-91 Standard for the Structural Design of Composite Slabs and ANSI/ASCE 9-91 Standard Practice for the Construction and Inspection of Composite Slabs
 ASCE 4-86 Seismic Analysis of Safety-Related Nuclear Structures

Building Code Requirements for Masonry Structures (ACI530-92/ASCE5-92/TMS402-92) and Specifications for Masonry Structures (ACI530.1-92/ASCE6-92/TMS602-92)
 Specifications for Masonry Structures (ACI530.1-92/ASCE6-92/TMS602-92)
 ANSI/ASCE 7-93 Minimum Design Loads for Buildings and Other Structures
 ANSI/ASCE 8-90 Standard Specification for the Design of Cold-Formed Stainless Steel Structural Members
 ANSI/ASCE 9-91 listed with ASCE 3-91
 ANSI/ASCE 10-90 Design of Latticed Steel Transmission Structures
 ANSI/ASCE 11-90 Guideline for Structural Condition Assessment of Existing Buildings
 ANSI/ASCE 12-92 Guideline for the Design of Urban Subsurface Drainage
 ASCE 13-93 Standard Guidelines for Installation of Urban Subsurface Drainage
 ASCE 14-93 Standard Guidelines for Operation and Maintenance of Urban Subsurface Drainage
 ASCE 15-93 Standard Practice for Direct Design of Buried Precast Concrete Pipe Using Standard Installations (SIDD)

FOREWORD

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from infringement of any patent or patents. Anyone making use of this information assumes all liability from such use. The appendices contained in this document are intended by the Steel Deck with Concrete Standards Committee to be included with the parent Standard document unless specifically exempted by building code authorities. This standards document is written in such a form that it may be adopted by reference in a general building code.

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many revisions of this and the prior ASCE 3-84 Standard for ASCE by Max L. Porter, Ph.D., P.E. is acknowledged. In addition, the Commentaries were authored by Max L. Porter with support by the Committee.

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ASCE Standard for the Structural Design of Composite Slabs

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