

IN-LB

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SI

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Concrete Shell Structures— Guide

Reported by Joint ACI-ASCE Committee 334

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Concrete Shell Structures—Guide

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American Concrete Institute
38800 Country Club Drive
Farmington Hills, MI 48331
Phone: +1.248.848.3700
Fax: +1.248.848.3701

www.concrete.org

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Reported by Joint ACI-ASCE Committee 334

Robert B. Esplin, Chair

Bryan S. Butikofer
Benjamin Davis
Charles S. Hanskat
Takashi Hara

Brent K. Hardy
Michael D. Hunter
Samaan Ladkany
Ryan Partridge

Ryan E. Poole
Theodore J. Smulski
Andrew J. South
Jason P. South

Mark E. Williams
Chris S. Zweifel

Consulting Members

John F. Abel
Arthur J. Boyt Jr.
James L. Byrne
Frederick L. Crandall
Charles W. Dolan

Phillip L. Gould
Ajaya Kumar Gupta
Mark Allen Ketchum
Lei Lou
John C. Miller

Thomas E. Nelson Jr.
John M. Rotter
William C. Schnobrich
Barry South
David B. South

Bing-Yuan Ting
Arnold Wilson

The committee acknowledges associate member Z. Wells for contributing to this guide.

This guide discusses the practical aspects of shell design, including recommendations for designers of thin concrete shells. General guidance based on current practice is given on analysis, proportioning, reinforcing, and construction. A selected bibliography on analytical methods, featuring design tables and aids, is included to assist the engineer.

Keywords: buckling; design; double-curvature shell; edge beam; folded plate; formwork; model; prestressing; reinforcement; shell; single-curvature shell; splice; stiffening member; supporting member; thickness; thin shell.

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