

# Third Pacific Area Meeting Papers

*Papers on*

## BUILDING CONSTRUCTIONS



Published by the  
AMERICAN SOCIETY FOR TESTING MATERIALS  
1916 Race St., Philadelphia 3, Pa.

*ASTM Special Technical Publication No. 282*

# PAPERS ON BUILDING CONSTRUCTIONS

Symposium on Wood in Building Constructions  
Symposium on Methods for Testing Building Constructions

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Presented at the  
THIRD PACIFIC AREA NATIONAL MEETING  
AMERICAN SOCIETY FOR TESTING MATERIALS  
San Francisco, Calif., October 12 and 14, 1959



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*ASTM Special Technical Publication No. 282*

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Price \$3.50; to Members \$2.80

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Library of Congress Catalog Card Number: 60-16896

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Printed in Baltimore, Md.

December, 1960

## FOREWORD

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Building construction is approached from several angles in this publication. The necessity for quality control in structural glued laminated timber, the advantages of diaphragms and full-scale testing of these assemblies, the importance of satisfactory end joints in laminated wood beams, screw-holding properties of various species of wood, wood pole-type buildings, and termite control in California are presented in this publication. These are among the many facets reflected in studies and research described in this group of papers. A single paper on lateral shear tests of light-gage steel buildings round out the presentation.

Papers and discussions dealing with these problems were presented at the Symposium on Wood in Building Constructions and at the Symposium on Methods for Testing Building Constructions. These symposia were presented at the Third Pacific Area National Meeting of the American Society for Testing Materials held in San Francisco, Calif., October 11-16, 1959. A paper by R. A. Glaze on "Need for Special Engineering Education in the Field of Structural Timber Design" was presented but is not included in the publication. The following three picture presentations, not for publication, were included in the technical sessions: "Testing Reinforced Grouted Brick Masonry and Also Hollow Concrete Masonry Wall Panels to Determine Values in Diagonal Tension and Shear" by N. W. Kelch; "Testing Models of a Large Wood Roof Beam" by J. B. Snodgrass; and "The Renaissance of Wood in School Building Construction in California" by Ernst Maag.

The Symposium on Wood in Building Constructions was sponsored by Committee D-7 on Wood. L. J. Markwardt, U. S. Forest Products Laboratory, was the symposium chairman. The presiding officers of the first session of this symposium were Mr. Markwardt and Ernst Maag, California State Department of Public Works. Ben Benioff, King, Benioff & Associates, presided over the second session of this symposium.

The Symposium on Methods for Testing Building Constructions was sponsored by Committee E-6 on Methods of Testing Building Construction. N. W. Kelch, Brick Manufacturers Association of Southern California was the symposium chairman. The presiding officers for this session were Mr. Kelch and R. F. Legget, National Research Council of Canada.

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NOTE.—The Society is not responsible, as a body, for the statements  
and opinions advanced in this publication.

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## CONTENTS

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	PAGE
Introduction—L. C. Gilbert.....	1
Quality Control and Inspection—Frank J. Hanrahan.....	3
Deflection Limitations as a Factor in Structural Timber Design—R. E. Eby.....	12
The Testing of Diaphragms to Determine Adequacy in Resisting Horizontal Forces— S. B. Barnes.....	26
Testing of Large Diaphragms—R. D. Cousineau.....	31
Strength Studies of Scarf Joints in Laminated Wood Beams—Jack Longworth and Christian K. A. Stieda.....	37
Discussion.....	50
Screw-Holding Ability of Western Woods: Effects of Test Variables—J. W. Johnson..	51
Discussion.....	70
Wood Pole-Type Buildings—W. D. Keeney.....	71
Discussion.....	80
Strength and Related Properties of Wood Poles—E. C. O. Erickson and L. W. Wood.	81
Determining the Useful Strength of Yard Lumber of the Common Grades—T. K. May	88
Termite Control in California Residential Construction—Walter Ebeling.....	92
Discussion.....	111
Lateral Shear Tests of a Light Gage Steel Building—John J. Holstein.....	112

