

ATC-15

COMPARISON OF BUILDING SEISMIC DESIGN PRACTICES
IN THE UNITED STATES AND JAPAN

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PREFACE

In March 1984 Applied Technology Council (ATC) organized a team of thirteen building design professionals to meet with a group of ten engineers and researchers from Japan to develop a cooperative United States-Japan program for the improvement of building seismic design and construction practices. The groups agreed to meet in Hawaii because that location involved approximately equal travel distances for the two groups. At the Hawaii meeting, which was conducted in workshop format, the groups reviewed design and construction practices in both countries, developed recommendations pertaining to improved seismic design and construction requirements and procedures, and identified areas of mutual concern, including topics where there is need for future communication and exchange of information.

This report contains the workshop recommendations and conclusions as well as the technical papers presented at the workshop. As such the papers provide an overview of current design practices, including project case studies from both countries.

ATC gratefully acknowledges the efforts of Mr. Walter Lum, who assisted in the organization of the Hawaii meeting, and the encouragement and cooperation provided by Dr. John B. Scalzi, Program Director for Dynamic Structural Experimentation, Civil and Environmental Engineering Division, National Science Foundation.

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