

ATC-11

**SEISMIC RESISTANCE OF REINFORCED CONCRETE SHEAR WALLS AND FRAME  
JOINTS: IMPLICATIONS OF RECENT RESEARCH FOR DESIGN ENGINEERS**

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## PREFACE

In June 1981 Applied Technology Council (ATC) was awarded a grant to review and evaluate recent research reports pertaining to: (1) cyclic loading of reinforced concrete shear walls; and (2) cyclic loading of joints in reinforced concrete frames. The project evolved as a result of the general recognition by practitioners and researchers alike that there is an on-going need for the interpretation and dissemination of existing earthquake engineering research data in a comprehensible and readily usable format for practicing engineers. At the time the project was conceived, the two technical topics believed to warrant immediate attention were cyclic loading of reinforced concrete shear walls and cyclic loading of reinforced concrete frame joints.

As is typical of ATC projects, this synthesis effort involved numerous experienced design professionals from throughout the United States. Following a news release to the practicing profession announcing the project and requesting interested persons to apply for positions on the project, ATC assembled two three-person synthesis teams to evaluate research reports in the subject areas of interest. The work of the two synthesis teams was overviewed and guided by an advisory Project Engineering Panel comprised of three seasoned structural design professionals.

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