CONNECTION TEST SUMMARIES

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SAC Joint Venture
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Applied Technology Council
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CONNECTION TEST SUMMARIES

SAC Program to Reduce Earthquake Hazards in Steel Moment Resisting Frame Structures

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Foreword and Disclaimer

FEMA 267 Interim Guidelines: Evaluation, Repair, Modification, and Design of Steel Moment Frames provides recommendations for the design of fully restrained, welded moment resisting steel framing connections for earthquake resistance. The FEMA 267 procedures require either that connection designs be qualified, through a program of testing of representative full scale connection assemblies, or alternatively, that they be designed analytically based on reference to successful tests conducted on connection assemblies of similar configuration to those being designed. This publication provides summaries of relevant data from a series of full scale connection assembly tests conducted by the SAC Joint Venture, which may be useful to designers engaged in the design of similar connections using the analytical procedures of FEMA 267. No warranty is offered by the Federal Emergency Management Agency, the SAC Joint Venture, the individual joint venture partners, their directors, members or employees, with regard to the suitability for use on specific projects of any connection designs for which test data is presented herein. These organizations and their employees do not assume any legal liability or responsibility for the accuracy, completeness, or usefulness of any of the information, products or processes included in this publication. The reader is cautioned to carefully review the material presented herein. Such information must be used together with sound engineering judgment when applied to specific engineering projects. The data presented herein has been developed by the SAC Joint Venture with funding provided by the Federal Emergency Management Agency, under contract number EMW-95-C-4770.

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