

TABLE OF CONTENTS

PREFACE.....	iii
EXECUTIVE SUMMARY	vii
1. PARAMETER STUDY OF THE RESPONSE OF MOMENT-RESISTING STEEL FRAME BUILDINGS TO NEAR-SOURCE GROUND MOTIONS John F. Hall.....	1-1
APPENDIX.....	1-77
2. DRIFT DEMAND SPECTRA FOR SELECTED NORTHRIDGE SITES Wilfred D. Iwan	2-1
APPENDIX A:	2-39
3. INFLUENCE OF VERTICAL GROUND MOTION ON SPECIAL MOMENT-RESISTING FRAMES Gary C. Hart, Sampson Huang, Roy Lobo, Matthew J. Skokan.....	3-1
4. PARAMETRIC STUDIES ON INELASTIC MODELLING OF STEEL MOMENT FRAMES Michael D. Engelhardt, Keedong Kim, Joseph Uzarski, Abunnasr Husain Thomas A. Sabol, Lawrence Ho, Hae-In Kim	4-1
5. MODELING OF WELD FRACTURES USING THE DRAIN PROGRAMS Scott Campbell.....	5-1
APPENDIX A: CHANGES TO DRAIN-2DX ELEMENT 15 USER GUIDE.....	5-8
APPENDIX B: CHANGES TO DRAIN-3DX ELEMENT 15 USER GUIDE.....	5-11
APPENDIX A: SAC PROGRAM TO REDUCE THE EARTHQUAKE HAZARDS OF STEEL MOMENT FRAME STRUCTURES, AN OVERVIEW	A-1