

TABLE OF CONTENTS

PREFACE.....	iii
EXECUTIVE SUMMARY	vii
1. INSPECTION, DAMAGE, AND REPAIR OF STEEL FRAME BUILDINGS FOLLOWING THE NORTHRIDGE EARTHQUAKE	
Michael E. Durkin.....	1-1
APPENDIX A: COVER LETTER AND PROJECT DESCRIPTION SENT TO PARTICIPATING BUILDING OWNERS.....	1-37
APPENDIX B: PREVALENCE SURVEY FORM.....	1-41
2. SAC SURVEY OF STEEL MOMENT-RESISTING FRAME BUILDINGS AFFECTED BY THE 1994 NORTHRIDGE EARTHQUAKE	
David Bonowitz, Nabih Youssef.....	2-1
APPENDIX A: SURVEY DATA FROM 89 BUILDINGS.....	2-79
APPENDIX B: SURVEY DATA FROM SAC CASE STUDY BUILDINGS	2-111
APPENDIX C: SURVEY FORM.....	2-135
APPENDIX D: SAMPLE INSPECTION & TESTING REPORT FORMS	2-153
3. LESSONS FROM INSPECTION, EVALUATION, REPAIR AND CONSTRUCTION OF WELDED STEEL MOMENT FRAMES FOLLOWING THE NORTHRIDGE EARTHQUAKE	
William E. Gates, Manuel Morden.....	3-1
APPENDIX A: SELECTED INTERVIEW TOPICS AND SAMPLE QUESTIONS	3-67
4. INTERPRETATION OF SAC SURVEY DATA ON DAMAGED WELDED STEEL MOMENT FRAMES FOLLOWING THE NORTHRIDGE EARTHQUAKE	
William E. Gates 4-1	
APPENDIX A: SAC PROGRAM TO REDUCE THE EARTHQUAKE HAZARDS OF STEEL MOMENT FRAME STRUCTURES, AN OVERVIEW	A-1