

Contents

01 Overview and Loads

01	Project Overview	1
	Sec 01 - Summary	1
	Sec 02 - Background	1
	Sec 03 - Building Codes and Site	2
	Sec 04 - Drawing List	3
	Sec 05 - References	4
	Sec 06 - Abbreviations	6
02	Loads	9
	Sec 01 Load Combinations	9
	Sec 02 Gravity Loads and Seismic Mass	10
	Sec 03 Material Densities - Seismic Models	12

02 Building Code Minimums

01	Residence	14
	Sec 01 Minimum Wall Sheathing CRC - First Floor	14
	Sec 02 Foundation - CRC Requirements	17
	Sec 03 Seismic Model Inputs - CBC Requirements	17
02	Carport	21
	Sec 01 Structural Deficiencies	21
	Sec 02 Repairs and Strengthening	21
	Sec 03 Seismic Model Inputs - CBC Requirements	22

03 Seismic Models

01	Residence	24
	Sec 01 Seismic Demands - Exterior Walls	24
	Sec 02 Seismic DC Ratios - Exterior Walls	32
	Sec 03 Seismic DC Ratios - Foundation Walls	35
02	Carport	37
	Sec 01 Seismic Demands - Carport	37
	Sec 02 Seismic DC Ratios - Braces	50
	Sec 03 Seismic DC Ratios - Connections	51