

## LATERAL ENGINEERING

PROJECT TITLE: Los Lomas      PROJECT #: 2      DATE: 7/20/04      Operator: Miriam  
 Address: 234 Los Lomas Dr.      City, State, Zip: Cayucos, CA, 93430

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## BUILDING INFORMATION

Building Use: Residential      Number of Stories: 2  
 IRC Seismic Design Category (SDC): B      Revised SDC: B  
 Roof Type: Gabled, Hipped, or Flat      Roof Pitch (in./ft.): 6/12  
 Tallest Cripple Wall Height: No Cripple Walls  
 Longest Rafter Span/Truss Length: < 40'

Building Description: Two story house on hill

## BUILDING IRREGULARITIES

## Other Irregularities

Vertical Offset Between Floors: No  
 Vertically Offset Floors Tied Directly to Foundation: No  
 All Braced Wall Lines Perpendicular or Parallel: Yes  
 Masonry Used Excluding Fireplaces and Chimneys: No

## LOAD INFORMATION

Roof Dead Load: 8 psf      Floor Dead Load: 9 psf  
 Exterior Wall Load: 14 psf      Interior Wall Load: 7.5 psf  
 Flat Roof Snow Load: 0 psf      Basic Wind Speed: 85 mph  
 Wind Exposure Category: B

## DESIGN INFORMATION

## lower

Braced Wall Line	Length (ft)	Offset (ft)	Bracing Method	Required Ln. (ft)	Current Ln. (ft)	Max O.C Dist. (ft)	Current O.C Dist. (ft)
1-1	32	0	3	5	12	25	16.165
2-1	21.25	3.75	3	3	10	17.25	0
3-1	32	25	3	5	19	25	22.5
A-1	25	0	3	4	18	21	15.915
b-1	25	11	3	4	21	21	0
c-1	25	32	3	4	8	21	19.915

Horizontal Wall Panel	Associated Wall Line	Length (ft)	Height (ft)	Offset From GL 1 (ft)	Bracing Method	Wall Panel Type
(A-1) - 1	A-1	13.17	8	0	3	Standard
(A-1) - 2	A-1	5	8	0	3	Standard
(b-1) - 1	b-1	20.58	8	11	3	Standard
(c-1) - 1	c-1	6	8	32	3	Standard
(c-1) - 2	c-1	1.83	8	32	3	Standard

Vertical Wall Panel	Associated Wall Line	Length (ft)	Height (ft)	Offset From GL A (ft)	Bracing Method	Wall Panel Type
(1-1) - 1	1-1	2.67	8	0	3	Standard
(1-1) - 2	1-1	4	8	0	3	Standard
(3-1) - 1	3-1	15	8	25	3	Standard
(3-1) - 2	3-1	4	8	25	3	Standard
(2-1) - 1	2-1	10	8	3.75	3	Standard
(1-1) - 3	1-1	5	10	0	3	Standard

## main

Braced Wall Line	Length (ft)	Offset (ft)	Bracing Method	Required Ln. (ft)	Current Ln. (ft)	Max O.C Dist. (ft)	Current O.C Dist. (ft)
1-1	32	0	3	5	12	25	16.165
3-1	32	25	3	5	16	25	23.835

A-1	25	0	3	4	19	21	14.7
b-1	25	11	3	4	17	21	0
c-1	25	32	3	4	12	21	19

Horizontal Wall Panel	Associated Wall Line	Length (ft)	Height (ft)	Offset From GL 1 (ft)	Bracing Method	Wall Panel Type
(A-1) - 1	A-1	13.1	8	0	3	Standard
(A-1) - 2	A-1	6	8	0	3	Standard
(b-1) - 1	b-1	16.83	8	11	3	Standard
(c-1) - 1	c-1	6	8	32	3	Standard
(c-1) - 2	c-1	6	8	32	3	Standard

Vertical Wall Panel	Associated Wall Line	Length (ft)	Height (ft)	Offset From GL A (ft)	Bracing Method	Wall Panel Type
(1-1) - 1	1-1	2.67	8	0	3	Standard
(1-1) - 2	1-1	4	8	0	3	Standard
(3-1) - 1	3-1	12.33	8	25	3	Standard
(3-1) - 2	3-1	4	8	25	3	Standard
(1-1) - 3	1-1	5	10	0	3	Standard

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COMMENTS AND NOTES

Error 3 : Braced wall panel of Type 3: Wood Structural Panels, must be at least 4 ft. long. (IRC 2003 R602.10.4)

Error 3 Note: Braced panel is strengthened

GENERAL NOTES

Construction starts 8/13/04

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