



CFA Awards

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Villa Del Lago Residence

Category: Single Family Residence over 5,000 sf



Project summary

This project consisted of footing sizes varying from 24 inches wide x 1'6" deep to 10 inches wide x two feet deep with rebar ranging from #4 to #7 at 12 inches o.c.

Footings stepped one to three feet with multiple elevation changes and the walls had over 50 corners and several angles.

Complicating the structure were corbels along the tops of the wall to pick up the structural steel and several of the walls were battered 10 to 16 inches. Also, there were vast concrete columns to support the massive structural concrete deck.

Forming the walls and the structural deck used new HDO plywood to achieve a better finish and to decrease the chance for deflection. Concrete additives were used for walls and deck to increase flow-ability around the tight bar spacing (four inches in some spots) and to achieve a higher quality finish.

In order to accomplish the high level of detail, we used in house expertise to draw up wall profiles of every wall and column (60 total) with elevations, beam pockets, hardware, embeds, etc. The detailer also detailed all rebar for the structural deck and walls which ended up being over 500 pages of complex rebar details.



The rest of the story

Ryan Ekedal says that like the [Assael Residence](#), the home owner of this project chose Ekedal Masonry because of their reputation. Ryan says that like all their jobs, their detailer drew up wall profiles of every wall & column (60 total) with elevations, beam pockets, hardware, embeds, etc. The detailer also detailed all rebar for the structural deck and walls which ended up being over 500 pages of complex rebar details. It is this type of attention to detail that led to the success of this project.

About Ekedal Masonry & Concrete, Inc.

Ekedal Masonry & Concrete, Inc. has over 30 years of experience in all phases of a project, from surveying to completion. Their diverse client base has provided us with their knowledge and ability to perform on a wide variety of projects, be it the simple or the most complex designs. Ekedal Masonry & Concrete, Inc. specializes in building high-end custom homes. They are an integral part of all aspects of their projects, saving money through quick and efficient completion.

Contact Information

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Winning Contractor

Ekedal Masonry & Concrete, Inc.

Project Specs

Size:
931 linear ft
23,557 total sq ft

Footings:
383 yds. concrete
24,450 lbs steel

Walls:

Total concrete: 417 yds

Total steel: 73,282 lbs

Heights: 10'-6" to 15'-6"

Thickness: 1'-4" to 8"

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