

**BARRY SWENSON BUILDER**

740 Front Street, Suite 315  
Santa Cruz, CA 95060



**Preliminary Estimate  
BOULDER CREEK FIRE DEPARTMENT  
Voluntary Seismic and ADA Upgrades**

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Superintendent  
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**Project Profile:**

Voluntary seismic improvements to Boulder Creek Fire Station #1, plan sheets 1-3 by Cad Homes, furnished via email in August 2014, Sheets S-1 and S-2 by Peter Boyce Structural Engineer, and Sheet SSW-1 Simpson Strong Tie - Steel Strongwall dated August 31, 2012, revised sent via email 12/2014 and revisions/clarifications dated February 12, 2015 .

Code	GENERAL CONDITIONS	QTY	UNITS	COSTS/UNIT	Contract Amount	NOTES
	Job Close out	1.0	months	\$2,500.00	\$2,500.00	
01-009	Construction Staff Supervision	4.0	months	\$9,200.00	\$36,800.00	
01-010	Laborer	4.0	months	\$950.00	\$3,800.00	1/4 time
01-014	Sanitary Facilities	4.0	months	\$150.00	\$600.00	
01-016	Temp Electricity/Power	4.0	months	\$250.00	\$1,000.00	
01-018	Barricade - Temp Fencing	1	LS	\$850.00	\$850.00	
01-021	Trash Bins	3	EA	\$775.00	\$2,325.00	
01-022	Equipment Rentals	1	LS	\$750.00	\$750.00	
01-024	Misc. Items	4	months	\$75.00	\$300.00	
	Final clean-up	1	LS	\$2,500.00	\$2,500.00	
01-026	Safety	3	months	\$150.00	\$450.00	
01-029	Misc. Tools	3	months	\$125.00	\$375.00	
01-032	Fed Express	1	LS	\$50.00	\$50.00	
01-035	Mobile phone	4.0	months	\$110.00	\$440.00	
	Bonds	1.0	LS	\$3,556.82	\$1,930.45	
01-039	Blue printing & plotting	1	LS	\$750.00	\$750.00	
				<b>SUBTOTAL</b>		<b>\$55,420.45</b>
	<b>SITE AND OFF SITE</b>					
02-033	Sawcut/Remove existing footings/concrete	1	LS	\$9,585.00	\$9,585.00	Seismic / Demo/sawcut concrete footings/floor in two locations
02-036	Demolition - Selective Demo	1	LS	\$4,200.00	\$4,200.00	Drywall Removal at seismic upgrade areas
02-037	ADA Parking behind Station	1	LS	\$20,900.00	\$20,900.00	ADA Upgrades
02-037	Demo front stairs and make subgrade for proposed access ramp	1	LS	\$19,800.00	\$19,800.00	ADA Upgrades
02-037	Trenching / Excavation	1	LS	\$3,962.00	\$3,962.00	Figured 25 LF (item 1, sheet S1)
02-057	Shoring	1	LS	\$2,500.00	\$2,500.00	Seismic - I-beam locations, strong wall locations
				<b>SUBTOTAL</b>		<b>\$60,947.00</b>
<b>03-001</b>	<b>CONCRETE</b>					
03-001	Foundation / Patch Garage Floor / Concrete & Rebar - also Includes (2) 36' x 1' x 2', rebar and dowels.	2	EA	\$4,625.00	\$9,250.00	Seismic Item 1
03-001	Seismic item 2 (install /prep- 31' x 1' x 2', rebar and dowels per plan)	1	EA	\$5,600.00	\$5,600.00	Seismic Item 2
03-001	Concrete ADA Upgrades, including ramp at covered patio, flat work at front of building, pervious concrete and ramp between pervious and entrance	1	LS	\$37,500.00	\$37,500.00	ADA Upgrades - Recommend checking into rework/re-design using a wheelchair lift to minimize cost of concrete work shown.
03-001	Domes at Rear of Building	1	LS	\$15,528.00	\$15,528.00	ADA
03-001	Domes at front driveway	1	LS	\$5,900.00	\$5,900.00	ADA
03-094	Concrete Seal / New Locations	74	LF	\$5.00	\$370.00	
03-097	Drypack grout (Misc. Notes S1)	1	LS	\$745.00	\$745.00	
04-001	Brick Planters	1	LS	\$985.00	\$985.00	
				<b>SUBTOTAL</b>		<b>\$75,878.00</b>
<b>05-120</b>	<b>STRUCTURAL STEEL</b>					
05-120	Metal Columns, handrails, anchor bolts (FOB)	1	LS	\$25,600.00	\$25,600.00	Seismic and ADA Upgrades
				<b>SUBTOTAL</b>		<b>\$25,600.00</b>
<b>06-001</b>	<b>CARPENTRY 06</b>					
06-001	Rough Carpentry	1	LS	\$27,220.00	\$27,220.00	Seismic and ADA Upgrades
06-003	Finish Carpentry	1	LS	\$1,000.00	\$1,000.00	Misc. Wood trim/ finish
				<b>SUBTOTAL</b>		<b>\$28,220.00</b>
<b>07-169</b>	<b>THERMAL/MOISTURE 07</b>					
07-169	Moisture Protection - Moisture Barrier	1	LS	\$850.00	\$850.00	
07-169	Building Insulation	1	LS	\$450.00	\$450.00	
07-173	Roof Patch	1	LS	\$1,200.00	\$1,200.00	Allowance
				<b>SUBTOTAL</b>		<b>\$2,500.00</b>

		QTY	UNITS	COSTS/UNIT	Contract Amount	NOTES
	<b>DOORS/WINDOWS 08</b>					
08-190	Removal and Re-Install Existing Roll Up Door	1	EA	\$4,500.00	\$4,500.00	
08-001	Restroom Doors/ADA Signage	1	LS	\$2,054.59	\$2,054.59	ADA Upgrades
				<b>SUBTOTAL</b>		<b>\$6,554.59</b>
	<b>FINISHES 09</b>					
09-205	Stucco - Repair/Replace at Roll Up Door	1	LS	\$2,915.00	\$2,915.00	Approximate 80 lf of patch back and return at Simpson Strongwall Locations -
09-207	Painting/Interior/Exterior	1	LS	\$3,500.00	\$3,500.00	Match Existing Colors - Interior/Exterior
09-208	Drywall/Repair/Replace	1	LS	\$4,500.00	\$4,500.00	GC (Garage and interior locations)
09-210	Floor Covering (Allowance)	1	LS	\$2,500.00	\$2,500.00	Allowance Only - Pending flooring type
09-212	Ceramic Tile at Bathrooms (walls and floors)	1	LS	\$6,270.00	\$6,270.00	Bathrooms - ADA Upgrades
				<b>SUBTOTAL</b>		<b>\$19,685.00</b>
	<b>SPECIALTIES 10</b>					
	Bathroom Accessories and Toilet Partitions	1	LS	\$4,462.00	\$4,462.00	ADA Upgrades
				<b>SUBTOTAL</b>		<b>\$4,462.00</b>
	<b>PLUMBING 15</b>					
15-360	Bathroom Plumbing/Upgrades	1	LS	\$37,274.00	\$37,274.00	ADA Upgrades
				<b>SUBTOTAL</b>		<b>\$37,274.00</b>
	<b>ELECTRICAL 16</b>					
16-001	Step Lighting at exterior concrete stairs	1	LS	\$12,000.00	\$12,000.00	ADA Upgrades
	Misc. rewire at bathrooms (labor and material)	1	LS	3,500.00	\$3,500.00	Bathrooms - ADA Upgrades
				<b>SUBTOTAL</b>		<b>\$15,500.00</b>
				<b>SUBTOTAL</b>		<b>\$332,041</b>
	Overhead	4	%		\$13,282	
	Profit	3	%		\$10,360	
				<b>TOTAL</b>	<b>\$355,682</b>	

**PROJECT OVERALL CLARIFICATIONS:**

- Project is based on a 4 calendar month construction schedule. The construction schedule is based on an unencumbered site. It is understood the the BC Fire Department will have use of the site, GC's will need to work with BC Fire during those times. The 4 month schedule is weather dependent (area at (e) roll up doors) and is based on the plans as noted in the above project description, however, rain days/delays, time lost due to delays or added days due to changes or unforeseen conditions are not included in this estimate.
- 1 All permits and fees are paid by Owner, General Contractor can and should coordinate with the fire department's representative.
  - 2 Work should be performed during regular working hours 7:00 a.m. - 4:00 pm.. Overtime is not included for more than 8 hours a day, Saturday's, Sunday's or Holidays.
  - 3 All work shall be performed in accordance with all applicable local codes and regulations.
  - 4
  - 5 Owner is solely responsible for locating and disclosing the location of all known and unknown subsurface conditions, utilities, appurtenances, obstructions, or any other interference which may be encountered during the execution of work.

Project estimate includes concrete work to meet ADA requirements. It is recommended that the fire station look into using a wheel chair lift to minimize most of the concrete work proposed and shown at the front entrance to meet ADA standards. Sample pricing (including prevailing wage costs) for wheelchair lift noted below. There will still need to be some re-design element to work in conjunction with the lift.

<b>Description:</b>	One (1) Garaventa Vertical Wheelchair Lift, Model GVL-OP42 Wheelchair Lift	
<b>Travel:</b>	Maximum 42"	
<b>Drive:</b>	Chained Hydraulic with battery back up	
<b>Configuration:</b>	Enter/Exit, straight through	
<b>Capacity:</b>	750 Lb.	
<b>Speed:</b>	15 fpm	
<b>Operation:</b>	Constant pressure up & down	
<b>Platform Size:</b>	37"wide x 51" deep	
<b>Gates:</b>	42" high upper landing gate and travelling platform gate	
<b>Controls:</b>	Keyless controls at upper and lower landings	
	Keyless platform control with emergency stop and alarm	
<b>Lights:</b>	Running lights on platform (code required)	
<b>Color:</b>	Manufacturer's standard color, Satin Grey	
<b>Inspection:</b>	State Elevator Inspection	
<b>Ramp:</b>	Flip down ramp	\$300
	Price, installed including taxes & freight	\$13,500
	<b>Contract Price</b>	<b>\$13,800</b>

7 Recommendation to BC Fire Department, when requesting bids, that BC Fire Department carries an 8% Contingency for unknown/hidden conditions. This is a recommendation for BC Fire Department internal budgeting.

8 Due to the unstable and changing materials market (ie; lumber/steel/drywall), prices will change once this goes out to bid.

**PROJECT EXCLUSIONS**

- 1 Mechanical
- 2 Fire Sprinklers
- 3 Electrical (not included above)
- 4 Hidden/Unknown Conditions at Seismic Upgrades, exterior site work and bathroom renovation
- 6 Permits/Fees
- 7 Full interior and exterior paint - if this is requested - Add \$48,600.00