

# MATERIAL CARBON PROJECT RESULTS



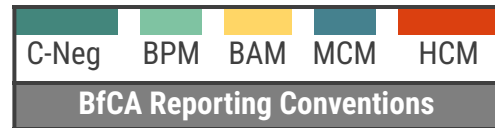
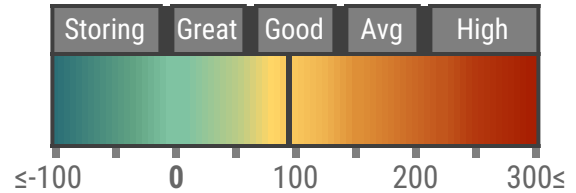
PROJECT INFORMATION		
<b>Project Name</b>	Cabañota - Agua	<b>Construction Year</b>
<b>Design Firm(s)</b>		<b>Number of Bedrooms</b>
<b>Engineering Firm(s)</b>		<b>Stories Above Grade</b>
<b>Builder / Developer</b>		1
<b>Development Project</b>		<b>CONDITIONED AREA</b>
<b>Street Address</b>		<b>Above Grade</b>
<b>City</b>		502 ft <sup>2</sup>
<b>Province / State</b>		<b>Below Grade</b>
<b>Country</b>	United States	0 ft <sup>2</sup>
		<b>Total</b>
		502 ft <sup>2</sup>
		<b>GROSS AREA</b>
<b>Building Type</b>	Single Detached House	<b>Excluding Garage</b>
<b>Construction Type</b>	New Construction	502 ft <sup>2</sup>
<b>Project Stage</b>	Construction Documents	<b>Garage</b>
		0 ft <sup>2</sup>
		<b>Total</b>
		502 ft <sup>2</sup>

MATERIAL CARBON EMISSIONS BY SECTION			
<b>Footings &amp; Slabs</b>	<b>3,344</b> kg CO <sub>2</sub> e		
<b>Foundation Walls</b>	<b>3,040</b> kg CO <sub>2</sub> e		
<b>Structural Elements</b>	<b>32</b> kg CO <sub>2</sub> e		
<b>Exterior Walls</b>	<b>-5,240</b> kg CO <sub>2</sub> e		
<b>Party Walls</b>	<b>0</b> kg CO <sub>2</sub> e		
<b>Exterior Wall Cladding</b>	<b>1,038</b> kg CO <sub>2</sub> e		
<b>Windows</b>	<b>400</b> kg CO <sub>2</sub> e		
<b>Interior Walls</b>	<b>273</b> kg CO <sub>2</sub> e		
<b>Floors</b>	<b>528</b> kg CO <sub>2</sub> e		
<b>Ceilings</b>	<b>71</b> kg CO <sub>2</sub> e		
<b>Roof</b>	<b>882</b> kg CO <sub>2</sub> e		
<b>Garage</b>	<b>0</b> kg CO <sub>2</sub> e		
<b>NET TOTAL</b>	<b>4,368</b> kg CO <sub>2</sub> e		-10,000 MCE (kg CO <sub>2</sub> e) 5,000

## MATERIAL CARBON RESULTS

	<b>MCE</b>		<b>MCI (Conditioned)</b>
<b>Net Project Emissions</b>	<b>4,368</b>	kg CO <sub>2</sub> e	<b>94</b>
			kg CO <sub>2</sub> e/m <sup>2</sup>

MCI by Area Type	Metric	Imperial
Total Area	<b>93.7</b>	<b>19.2</b>
Conditioned Area	<b>93.7</b>	<b>19.2</b>
	kg CO <sub>2</sub> e/m <sup>2</sup>	lb CO <sub>2</sub> e/ft <sup>2</sup>



*MCE: Material Carbon Emissions (net total)*

*MCI: Material Carbon Intensity (MCE per unit area)*

## HIGHEST CARBON MATERIAL APPLICATIONS

SECTION	kg CO <sub>2</sub> e	MATERIAL
Foundation Walls	2,661	Concrete - 2501-3000 psi, Standard mix / NRMCA
Footings & Slabs	1,637	Concrete - 2501-3000 psi, Standard mix / NRMCA
Footings & Slabs	1,011	Concrete - 2501-3000 psi, Standard mix / NRMCA
Roof	1,008	Metal Panels - Steel / Metal Construction Assn. /
Exterior Wall Cladding	882	Lime Plaster / Mapei / MapeWall Muratura / 3/4"
Footings & Slabs	619	EPS foam board / R 4.0/inch, Type II, 15 psi (100 k
Floors	528	Concrete - 2501-3000 psi, Standard mix / NRMCA
Windows	400	Window - double-glazed / Wood frame, aluminum
Foundation Walls	379	Rebar / Concrete Reinforcing Steel Institute [Indus
Roof	294	Wood I joist / TJI 230/360 / 16" Depth / AWC & CV

## LOWEST CARBON MATERIAL APPLICATIONS

SECTION	kg CO <sub>2</sub> e	MATERIAL
Exterior Walls	-5,497	Wood frame with straw bale infill / R-46 / 14" / do
Roof	-938	Wood fiber loose fill / GUTEX / ThermoFiber / R 3.
Interior Walls	16	Mineral wool batt / [BEAM Avg]

## COMMENTS

This model includes interior chase wall: Rebar is based upon 4 lengths in a footing: porch assembly