

MATERIAL CARBON PROJECT RESULTS



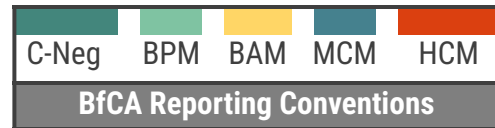
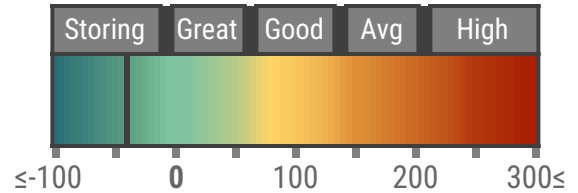
PROJECT INFORMATION		
Project Name	Cabañita+	Construction Year
Design Firm(s)		Number of Bedrooms
Engineering Firm(s)		Stories Above Grade
Builder / Developer		2
Development Project		CONDITIONED AREA
Street Address		Above Grade
City		423 ft ²
Province / State		Below Grade
Country	United States	0 ft ²
		Total
		423 ft ²
		GROSS AREA
Building Type	Single Detached House	Excluding Garage
Construction Type	New Construction	423 ft ²
Project Stage	Construction Documents	Garage
		0 ft ²
		Total
		423 ft ²

MATERIAL CARBON EMISSIONS BY SECTION		
Footings & Slabs	414 kg CO ₂ e	
Foundation Walls	0 kg CO ₂ e	
Structural Elements	0 kg CO ₂ e	
Exterior Walls	-4,057 kg CO ₂ e	
Party Walls	0 kg CO ₂ e	
Exterior Wall Cladding	804 kg CO ₂ e	
Windows	500 kg CO ₂ e	
Interior Walls	81 kg CO ₂ e	
Floors	-56 kg CO ₂ e	
Ceilings	24 kg CO ₂ e	
Roof	648 kg CO ₂ e	
Garage	0 kg CO ₂ e	
NET TOTAL	-1,643 kg CO₂e	

MATERIAL CARBON RESULTS

	MCE		MCI (Conditioned)
Net Project Emissions	-1,643	kg CO ₂ e	-42
			kg CO ₂ e/m ²

	Metric	Imperial
MCI by Area Type		
Total Area	-41.8	-8.6
Conditioned Area	-41.8	-8.6
	kg CO ₂ e/m ²	lb CO ₂ e/ft ²



MCE: Material Carbon Emissions (net total)

MCI: Material Carbon Intensity (MCE per unit area)

HIGHEST CARBON MATERIAL APPLICATIONS

SECTION	kg CO ₂ e	MATERIAL
Roof	795	Metal Panels - Aluminum / 22 gauge / Metal Cons
Exterior Wall Cladding	683	Lime Plaster / Mapei / MapeWall Muratura / 3/4"
Windows	500	Window - double-glazed / Wood frame, aluminum
Footings & Slabs	414	Helical pier / Generic / 3" Nominal Pipe, 3.5 x 3/16"
Exterior Walls	199	Plywood / 1/2" / AWC & CWC [Industry Avg US & Canada]
Roof	191	Wood I joist / TJI 230/360 / 16" Depth / AWC & CV
Roof	161	Metal Panels - Aluminum / 22 gauge / Metal Cons
Roof	149	Plywood / 5/8" / AWC & CWC [Industry Avg US & Canada]
Floors	97	Plywood / 3/4" / AWC & CWC [Industry Avg US & Canada]
Floors	89	Wood / SPF / 2x8 Lumber / AWC & CWC [Industry Avg US & Canada]

LOWEST CARBON MATERIAL APPLICATIONS

SECTION	kg CO ₂ e	MATERIAL
Exterior Walls	-4,256	Wood frame with straw bale infill / R-46 / 14" / do
Roof	-659	Cellulose / dense pack / R 3.7/inch / CIMA [Industry Avg US & Canada]
Floors	-417	Cellulose / dense pack / R 3.7/inch / CIMA [Industry Avg US & Canada]

COMMENTS

Porch framing and roof was also accounted for in this model, but in separate line items so can easily be "unchecked" if we want to see what this model looks like without porch materials included.