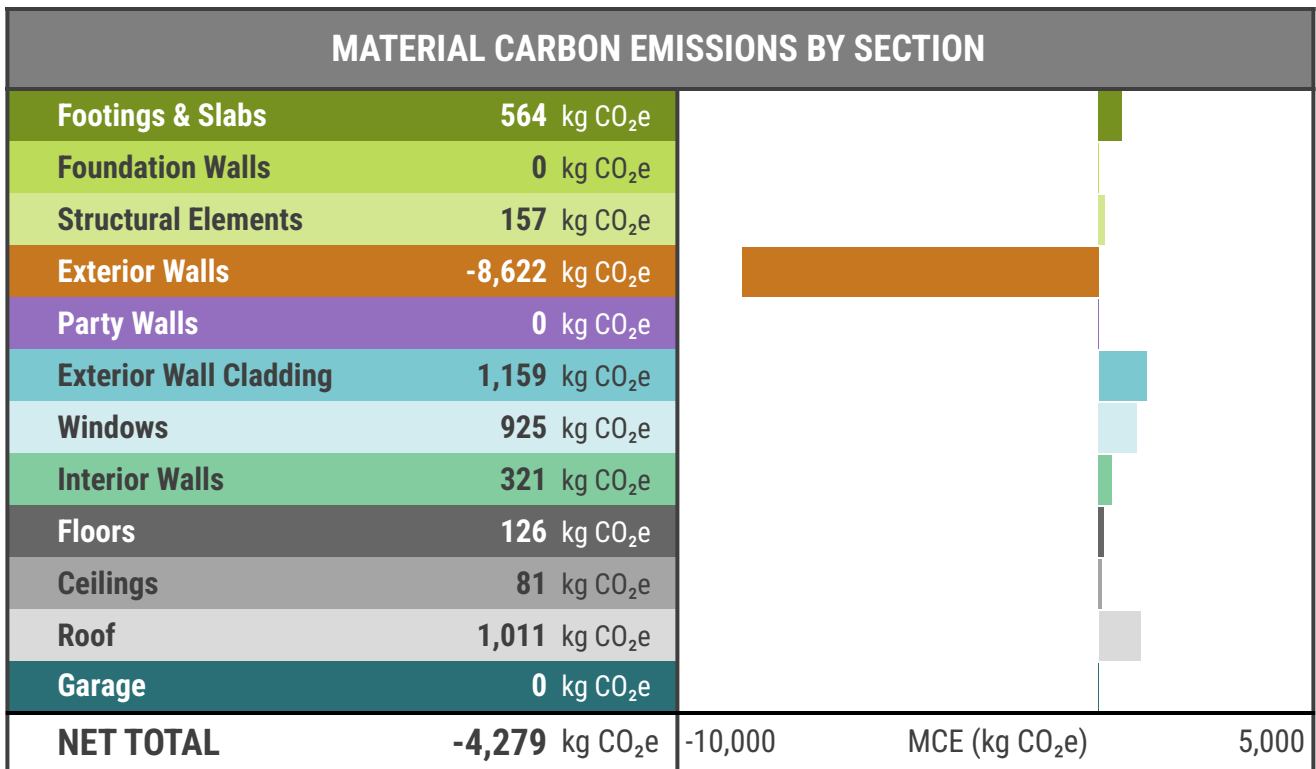


# MATERIAL CARBON PROJECT RESULTS



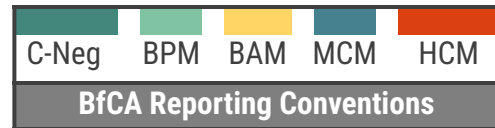
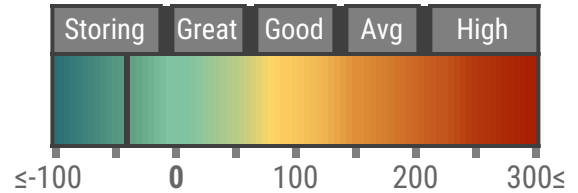
PROJECT INFORMATION			
<b>Project Name</b>	Flora 900	<b>Construction Year</b>	
<b>Design Firm(s)</b>		<b>Number of Bedrooms</b>	
<b>Engineering Firm(s)</b>		<b>Stories Above Grade</b>	2
<b>Builder / Developer</b>		<b>CONDITIONED AREA</b>	
<b>Development Project</b>		<b>Above Grade</b>	1156 ft <sup>2</sup>
<b>Street Address</b>		<b>Below Grade</b>	0 ft <sup>2</sup>
<b>City</b>		<b>Total</b>	1156 ft <sup>2</sup>
<b>Province / State</b>		<b>GROSS AREA</b>	
<b>Country</b>	United States	<b>Excluding Garage</b>	1156 ft <sup>2</sup>
<b>Building Type</b>	Single Detached House	<b>Garage</b>	0 ft <sup>2</sup>
<b>Construction Type</b>	New Construction	<b>Total</b>	1156 ft <sup>2</sup>
<b>Project Stage</b>	Construction Documents		



## MATERIAL CARBON RESULTS

	<b>MCE</b>		<b>MCI (Conditioned)</b>
<b>Net Project Emissions</b>	<b>-4,279</b>	kg CO <sub>2</sub> e	<b>-40</b>
			kg CO <sub>2</sub> e/m <sup>2</sup>

MCI by Area Type	Metric	Imperial
Total Area	<b>-39.8</b>	<b>-8.2</b>
Conditioned Area	<b>-39.8</b>	<b>-8.2</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
Roof	1,448	Metal Panels - Steel / Metal Construction Assn. /
Windows	925	Window - double-glazed / Wood frame, aluminum
Footings & Slabs	564	Helical pier / Generic / 3" Nominal Pipe, 3.5 x 3/16"
Exterior Wall Cladding	485	Lime Plaster / Mapei / MapeWall Muratura / 3/4"
Exterior Walls	427	Plywood / 1/2" / AWC & CWC [Industry Avg   US & CA]
Roof	423	Wood I joist / TJI 230/360 / 16" Depth / AWC & CV
Exterior Wall Cladding	374	Drywall 1/2" [BEAM Avg   US & CA]
Floors	332	Plywood / 3/4" / AWC & CWC [Industry Avg   US & CA]
Roof	330	Plywood / 5/8" / AWC & CWC [Industry Avg   US & CA]
Floors	200	Plywood / 1/2" / AWC & CWC [Industry Avg   US & CA]

## LOWEST CARBON MATERIAL APPLICATIONS

SECTION	kg CO <sub>2</sub> e	MATERIAL
Exterior Walls	-9,154	Wood frame with straw bale infill / R-46 / 14" / do
Roof	-1,370	Wood fiber loose fill / GUTEX / ThermoFiber / R 3.
Floors	-849	Wood fiber loose fill / GUTEX / ThermoFiber / R 3.

## COMMENTS

This model accounts for: 15 Helical Piers w a 7' length; Porch materials included, but were added separately and can be unchecked as needed; I used DPC in floors and roofs, waiting to hear back if this changes to woodfiber fill;