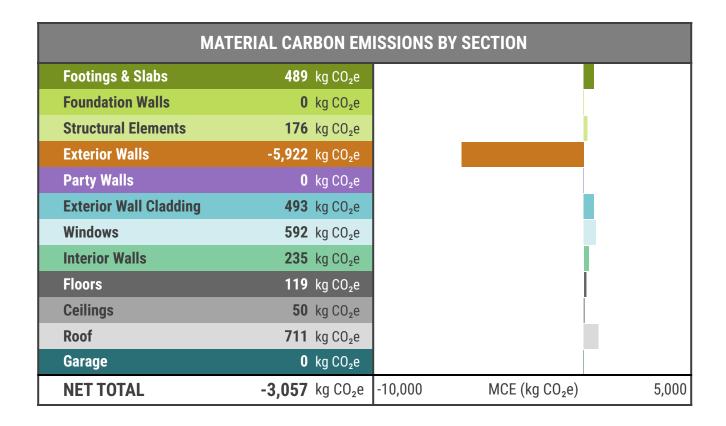
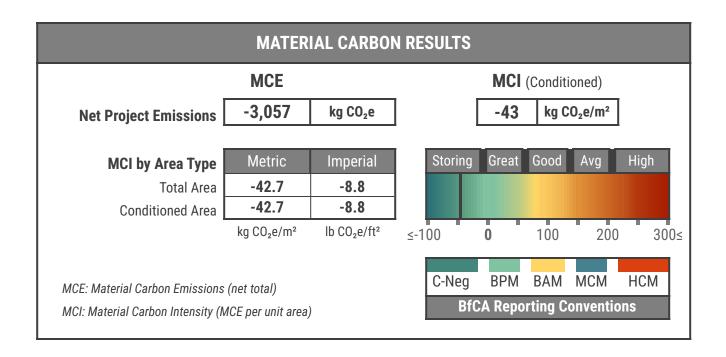
MATERIAL CARBON PROJECT RESULTS





PROJECT INFORMATION				
Project Name	Terra	Construction Year		
Design Firm(s)		Number of Bedrooms		
Engineering Firm(s)		Stories Above Grade	2	
Builder / Developer				
Development Project		CONDITIONED AREA		
Street Address		Above Grade	770 ft ²	
City		Below Grade	0 ft²	
Province / State		Total	770 ft ²	
Country	United States			
•		GROSS AREA		
Building Type	Single Detached House	Excluding Garage	770 ft ²	
Construction Type	New Construction	Garage	0 ft²	
Project Stage	Construction Documents	Total	770 ft ²	





HIGHEST CARBON MATERIAL APPLICATIONS				
SECTION	kg CO₂e	MATERIAL		
Roof	1,142	Metal Panels - Aluminum / 22 gauge / Metal Cons		
Windows	592	Window - double-glazed / Wood frame, aluminum		
Footings & Slabs	489	Helical pier / Generic / 3" Nominal Pipe, 3.5 x 3/10		
Exterior Walls	295	Plywood / 1/2" / AWC & CWC [Industry Avg US &		
Roof	273	Wood I joist / TJI 230/360 / 16" Depth / AWC & CV		
Exterior Wall Cladding	258	Drywall 1/2" [BEAM Avg US & CA]		
Roof	214	Plywood / 5/8" / AWC & CWC [Industry Avg US &		
Roof	209	Metal Panels - Aluminum / 22 gauge / Metal Cons		
Structural Elements	137	Wood / SPF / Lumber by volume / AWC & CWC [In-		
Interior Walls	130	Drywall 1/2" [BEAM Avg US & CA]		

LOWEST CARBON MATERIAL APPLICATIONS				
SECTION	kg CO₂e	MATERIAL		
Exterior Walls	-6,323	Wood frame with straw bale infill / R-46 / 14" / do		
Roof	-1,143	Cellulose / dense pack / R 3.7/inch / CIMA [Indus		
Floors	-58	Cellulose / dense pack / R 3.7/inch / CIMA [Indus		

COMMENTS
This is based off the Kaplan Model: We are using 13 Helical Piers for this project, depth TBD. This model also inlcudes porch timers, floor and roof in its calculations.