

30 WAYS TO ADD ENERGY EFFICIENCY & SUSTAINABILITY TO YOUR ELEMENT ICF HOME.

OVERALL DESIGN

CONDUCT THIRD PARTY DUCT & BLOWER DOOR TESTING
Ensures maximum performance of building envelope and HVAC systems

INTEGRATE DESIGN FOR NATURAL DAYLIGHTING
Harnesses free natural lighting

INTEGRATE PASSIVE SOLAR DESIGN
Harnesses free solar energy

USE A RAIN BARREL
Re-purposes roof run-off water

HVAC & UTILITIES

INSTALL A PHOTOVOLTAIC ARRAY
Harnesses clean energy from the sun

AVOID INEFFICIENT CRAWL SPACES
Increases energy-efficiency

INSTALL A SOLAR HOT WATER SYSTEM
Harnesses free solar energy to heat water

INSTALL AN AIR SOURCE HEAT PUMP
Increases energy-efficiency

DON'T OVERSIZE THE FURNACE
A properly sized furnace lowers first cost and operating cost

CHOOSE A HIGH-EFFICIENCY HVAC SYSTEM
Uses less energy and reduces operating costs

SELL BACK EXCESS ELECTRICITY TO THE GRID
Achieves a net zero energy home

WINDOWS

ENSURE WINDOWS ARE PROPERLY FLASHED
Protects from moisture damage

INSTALL ENERGY-EFFICIENT WINDOWS
Low emittance, argon-filled or triple-paned windows reduce energy loss

USE LOGIX PRO-BUCK™ IN ALL OPENINGS
Eliminates thermal bridging around window and door openings

WALLS

FROST PROTECT & SEAL ALL FOOTINGS
Reduces energy loss and keeps walls drier and healthier

INSULATE WOOD-FRAMED GABLES WITH GPS
Halo® or Neopor® reflective GPS rigid insulation eliminates thermal bridging

UPGRADE TO LOGIX PLATINUM SERIES
Provides an R-28 wall assembly thermal performance

INSULATE THE TOPS OF LOGIX WALLS
Adds a thermal break

USE FIBER REINFORCEMENT INSTEAD OF REBAR
Adds consistency in wall strength and controls cracks

USE LOGIX D-RV INSERTS
Adds an extra R-8 to exterior walls

FINISH WITH FIBER CEMENT SIDING OR COMPOSITE TRIM
Lasts longer, reduces decay and resists insects

DOORS

CHOOSE FIBERGLASS DOORS & WINDOWS
Increases life expectancy

INSTALL SLAB THERMAL BREAKS IN DOOR OPENINGS
Prevents energy loss

FLOORS

INSTALL RADIANT HEAT & RADIANT PANELS IN ALL FLOORS
Heat-Sheet® Panels insulate and save on labor

USE ENGINEERED OR CONCRETE FLOOR SYSTEMS
Reduces sound transmission between floors

INSULATE UNDER SLAB WITH GPS
Halo® or Neopor® laminated GPS rigid insulation adds up to R-10 or more thermal resistance

INSTALL A RADON DIFFUSION SYSTEM
Prevents sickness from long-term radon exposure

ROOF

INSULATE ROOF WITH GPS
Halo® or Neopor® reflective GPS rigid insulation eliminates thermal bridging

DESIGN ROOF WITH AN INSULATED RAISED HEEL
Eliminates heat loss at roof connection

INSTALL QUALITY SOFFIT & RIDGE VENTS
Optimizes roof ventilation



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