

Touchstone Energy Home Program Standards Checklist

All products must be installed as per manufacturer specifications

Site, Foundation Basement

Completed

Site Selection	Well-drained	<input type="checkbox"/>
Site Evacuation	4" of clean drainage rock or sand under floor	<input type="checkbox"/>
Foundation	Capillary break on top of footing and under basement wall; waterproof covering on foundation exterior; rock backfill on exterior for better drainage	<input type="checkbox"/>
Ground Cover	8-mil plastic vapor barrier on crawl space floor or under concrete basement floor, taped seams with 6 inches overlap	<input type="checkbox"/>
Basement Wall Insulation	R-15 or higher - (interior or exterior)	<input type="checkbox"/>
Crawl Space Wall Insulation	R-15 or higher - (interior or exterior)	<input type="checkbox"/>
Concrete Slab Foundation Insulation	1" - 2" under slab; R-10 exterior; 4' external (frost free foundation)	<input type="checkbox"/>
Basement/Crawl Space Floor Insulation	1" - 2" foam sheeting under basement/crawl space floor	<input type="checkbox"/>

Building Envelope

Band Joist Insulation	R-10 minimum (foam) and sealed	<input type="checkbox"/>
Exterior Corner and Wall Framing	Energy efficient exterior corners and exterior wall connections	<input type="checkbox"/>
Window and Door Headers	Must be insulated	<input type="checkbox"/>
Roof Framing	Raised heel (energy efficiency) trusses	<input type="checkbox"/>
Exterior and Knee Wall Insulation	R-24 minimum	<input type="checkbox"/>
Attic Insulation	R-49 minimum	<input type="checkbox"/>
Roof or Cathedral Ceiling Insulation	R-30 minimum or full cavity fill	<input type="checkbox"/>
Attic Ventilation	Vented with 1 sq ft per 300 sq ft ceiling area; air chutes from soffit	<input type="checkbox"/>
Air Infiltration Control	All seams and penetrations into unconditioned spaces sealed	<input type="checkbox"/>
Interior Vapor Retarder - Walls	"Forgiveable" vapor retarder on inside of all exterior walls	<input type="checkbox"/>
Interior Vapor Retarder - Ceilings	"Forgiveable" vapor retarder on inside of all exterior ceilings	<input type="checkbox"/>
Exterior Wall Receptacles	Sealed and insulated	<input type="checkbox"/>
House Wrap/Rain Screen	Drainable house wrap system	<input type="checkbox"/>

Windows and Doors

Window Glass U-Factor	U-0.30 maximum	<input type="checkbox"/>
Skylight Glass U-Factor	U-0.60 maximum	<input type="checkbox"/>
Doors	Insulated with adjustable threshold and magnetic or foam weather stripping; U-.30 maximum for glass	<input type="checkbox"/>
Window and Door Flashing	Correctly installed flashing to prevent water infiltration	<input type="checkbox"/>

HVAC, Water Heating and Electrical

Heating and Cooling	All-electric recommended. Acceptable: electric dual fuel, gas fireplace. Geothermal heat pump - minimum COP 3.3 (heating), EER 14.1 (cooling); Air Source heat pump - minimum HSPF 8.5 (heating), SEER 15.0 (cooling)	<input type="checkbox"/>
Ductwork	Recommend placing all ducts in conditioned areas only. If supply or return ducts outside of thermal envelope, insulate to R-12. Ducts in floor trusses outside of thermal envelope: R-10. Building cavities cannot be used as supply ducts. Seal all duct joints with mastic	<input type="checkbox"/>
Water Pipe Insulation	R-2 pipe wrap for pipes with temps >105 degrees F or < 55 degrees F	<input type="checkbox"/>
Exhaust Systems	Ventilation to meet ASHRE calculated CFM standards required; HRV or ERV	<input type="checkbox"/>
Water Heating	Electric, .91+ Energy Factor or heat pump water heater; no on-demand water heaters	<input type="checkbox"/>
Lighting	At least 80% energy efficient LED Energy Star fixtures/lamps; recessed lights IC-rated and air-tight	<input type="checkbox"/>
Wiring	Must meet Electrical Code requirements, including G.F.C.I. in required locations	<input type="checkbox"/>
Appliances	All-electric suggested; if gas range - hood must be vented to outside	<input type="checkbox"/>

Please sign and date below.

Member:
 Date:

Builder/
Contractor:
 Date: