

# 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 washed 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; washed 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..... Class II vapor retarder on inside of all exterior walls .....	<input type="checkbox"/>
Interior Vapor Retarder - Ceilings..... Class II 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 required. Electric dual fuel with gas backup and/or gas fireplace is acceptable. 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: