

Touchstone Energy HOME Program Standards 2019

INSULATION

ATTIC	R-44	PRE-DRYWALL INSPECTION BY NOLIN RECC REPRESENTATIVE REQUIRED
CATHEDRAL CEILINGS	R-30 (MAXIMUM 500 ft ² or 20% OF TOTAL INSULATED CEILING AREA what ever is less)	
KNEE WALLS	R-13 W/ A FULLY SEALED AIR BARRIER INSTALLED ON THE ATTIC SIDE OF THE WALL	
EXTERIOR WALL	R-13	
BASEMENT WALL	R-10 (CONTINUOUS)/ R-13 (FRAMED CAVITY)	
FLOOR	R-19 (CRAWLSPACE FLOOR MUST BE COVERED WITH 6 MIL VAPOR BARRIER AND MUST BE GLUED TO FOUNDATION WALLS AND AT JOINTS)	
SLAB	R-10 (2 FEET VERTICAL OR HORIZONTAL)	
CRAWLSPACE WALLS(conditioned)	R-10 (CONTINUOUS)/ R-13 (FRAMED CAVITY)	
DUCTS	SUPPLY DUCTS IN ATTICS SHALL BE INSULATED TO A MINIMUM OF R-8 ALL OTHER DUCTS SHALL BE INSULATED TO A MINIMUM OF R-6	
WINDOWS	U-VALUE ≤.30 (MAXIMUM 18% OF WALL SQUARE FOOTAGE)	

AIR SEALING

BLOWER DOOR TEST	FINAL AIR LEAKAGE MUST BE TESTED TO BE LESS THAN 7 ACH (AIR CHANGES PER HOUR) @50 PASCALS
DUCT LEAKAGE	JOINTS AND SEAMS OF DUCT SYSTEMS SHALL BE MADE SUBSTANTIALLY AIRTIGHT BY MEANS OF FOIL TAPE THEN A LAYER OF MASTIC, OR MASTIC TAPE. *LEAKAGE TO OUTDOORS <8CFM PER 100 SQ.FT. OF CONDITIONED SPACE
LIGHTING	RECESSED LIGHTING FIXTURES BORDERING UNCONDITIONED SPACE MUST BE ICAT (INSULATION CONTACT AIR TIGHT) RATED (NOTE: THE JOINT BETWEEN THE EDGE OF THE ICAT FIXTURE AND THE SHEETROCK MUST BE SEALED WITH CAULKING) 95% OF ALL LIGHTING IN THE HOME MUST BE LED OR CFL

VENTILATION

ATTIC VENTILATION	MINIMUM ATTIC VENTILATION SHOULD BE ONE SQUARE FOOT PER 150 ft ² CEILING AREA
MECHANICAL VENTILATION	WHOLE HOUSE VENTILATION RECOMMENDED

MECHANICAL EQUIPMENT

HVAC	AIR SOURCE HEAT PUMPS	MUST MEET OR EXCEED CURRENT ENERGY STAR STANDARDS
	GROUND SOURCE HEAT PUMP	MUST MEET OR EXCEED CURRENT ENERGY STAR STANDARDS
	** HVAC INSTALLER MUST SUPPLY A LOAD CALCULATION	<i>*Please contact your Co-op Energy Advisor for more details.</i>
WATER HEATING	ELECTRIC STORAGE TANK WATER HEATER (REQUIRED) (INSTANTANEOUS(Tankless) WATER HEATERS PROHIBITED)	
	ENERGY FACTOR RATING	MUST MEET CURRENT DOE MINIMUM RESIDENTIAL STANDARD

Revised 04/23/19