



ENERGY STAR for New Homes Minimums Checklist File# _____

1. All local building codes and regulations take precedence over the measures outlined in the ENERGY STAR for New Homes Standard. <http://hawkeyetechnical.com/codes>

2. Minimum Insulation Requirements: (same as Building Code requirements)

These nominal values should meet the required effective R-values

| | | |
|--------------------|------|----------|
| Ceilings | R-50 | (R-49.2) |
| Cathedral Ceilings | R-32 | (R-26.5) |
| Walls | R-24 | (R-17.5) |
| Exposed Floors | R-32 | (R-26.5) |
| Concrete walls | R-24 | (R-16.9) |
| Slab below frost | R-0 | (-) |
| Slab above frost | R-10 | (R-11.1) |
| Heated slab | R-12 | (R-13.2) |

For other samples and explanation go to: <http://hawkeyetechnical.com/rvalues>

3. Windows and Doors:
ENERGY STAR qualified Zone B

4. Heat Recovery Ventilator / Energy Recovery Ventilator:
60% SRE @ 0 C and 55% SRE @-25 C

5. Duct work insulation:
All ducting at or outside the building envelope must be insulated to the same level as the exterior assembly it is in or in contact with. (wall, floor, ceiling)

6. Duct sealing:
All supply and ventilation ducts must be sealed
All return air ducts in the mechanical room must be sealed

7. Electrical Savings:
All ENERGY STAR qualified homes must have new equipment or products installed that provide a minimum of 400 kWh/year of electrical savings from the list below.

| | |
|---|-------------------|
| Air Conditioning (including Heat Pumps): 14.5 SEER = 20 kWh OR 16.0 SEER = 37 kWh | kWh |
| | 0, 20 or 37 _____ |
| ENERGY STAR qualified: | |
| dishwasher = 20 clothes washer = 25 freezer = 40 refrigerator = 50 | max 135 _____ |
| ENERGY STAR qualified lighting by room count or | |
| 75% of house = 295 kWh Entire house = 420 kWh | max 420 _____ |
| ENERGY STAR qualified bath fans less than 90 cfm = 5 kWh or | |
| 90 cfm or higher = 10 kWh | 0, 5 or 10 _____ |
| ENERGY STAR qualified range hood = 30 kWh | 0 or 30 _____ |
| ENERGY STAR HRV/ERV: | |
| Less than 75% Sensible recovery efficiency and more than 1.2 cfm/W = 110 kWh | |
| Equal or higher than 75% SRE and between 0.8 and 1.0 cfm/W = 30 kWh | |
| Equal or higher than 75% SRE and more than 1.0 cfm/W = 140 kWh | _____ |
| Total Credits: | _____ |

8. Performance:
Minimum EnerGuide Rating of 83 using HOT2000 ver.10.51