

Residential Energy Code Compliance

Horseheads Code Enforcement

Insulation requirements- prescriptive

Ceiling R-Value 38 can be reduced to R-30 with raised heel truss

Wall R- Value 20 or R-13 in wall cavity with R-5 insulated sheathing. Can reduce to R-2 in braced wall areas

Basement wall R-Value 10 continuous or R-13 cavity Crawl space same requirements

Floor R- Value 30 or sufficient to fill framing cavity R-19 minimum

Window requirements

U factor 0.35 or better

Skylight 0.60 or better

Duct insulation

Attic R-8

All other areas R-6 unless located in conditioned space

Recessed lighting- must be IC rated and labeled meeting ASTM E 283 and sealed to drywall unless located in conditioned space

Vapor Retarder required

Class 1 Sheet polyethylene

Class 2 Kraft faced fiberglass batt or low perm paint

Class 3 Latex or enamel paint allowed in certain conditions

Compliance documentation can be with RES Check software program

<http://www.dos.state.ny.us/code/energycode/www.energycodes.gov>

There are new specific requirements for inspection and documentation for compliance with energy code. Please check with office for details

Thermally isolated Sunrooms- not exceeding 500 square feet ceiling R- value 19 and wall R- value 13. U- value of windows 0.50 and skylights 0.75

Access doors and hatches- to attics and crawl spaces must be weather stripped and insulated to the level of insulation of surrounding surfaces

Lighting Equipment- a minimum of 50% of lamps in permanently installed lighting fixtures shall be high efficacy lamps

Programmable thermostat required