



## INSULATION & ENERGY CODE

### GENERAL RULE for INSULATION VALUES

WINDOW (U-value): .....	0.30 (minimum)
WALL: .....	R-21
ATTIC-TYPE CEILING: .....	R-49
VAULTED CEILING: .....	R-30
FLOORS (over crawl space): .....	R-30
SLAB-ON-GRADE FLOOR: .....	R-10 (24" vert. or horiz.)
BASEMENT WALLS: .....	R-21

### EXCEPTIONS to the RULE

If the total windows **DO NOT EXCEED 15%** of the total floor area of the house (including sliding glass and French doors, and skylights), then the following apply:

WINDOW (U-value): .....	0.35 (minimum)
WALL: .....	R-15
ATTIC-TYPE CEILING: .....	R-38
VAULTED CEILING: .....	R-30
FLOORS (over crawl space): .....	R-30
SLAB-ON-GRADE FLOOR: .....	R-10 (24" vert. or horiz.)
BASEMENT WALLS: .....	R-15

IN ORDER TO USE THIS EXCEPTION, **PLEASE SUBMIT A LIST** (WINDOW SCHEDULE) OF ALL WINDOWS YOU ARE PROPOSING, THEIR SIZES, TYPES, AND U-VALUES, AND A TOTAL OF THE SIZES.

In both cases, doors (except for one decorative front door) must have a U-value of 0.46 and skylights must have a U-value of 0.50. These requirements will become effective on all permits issued on or after 7/1/16. If you obtained your permit before this date, then the old insulation value levels will apply. Please also note that these R-values are for WOOD construction, single-family residential only. The energy code still allows a comparison analysis wherein "trade-offs" can apply. Please inquire with City personnel for information about trade-offs. These requirements are applicable to all new construction, including additions.