Point-Based Score Card for Ontario New Home Construction Code Compliance

Southern Ontario & Natural Gas Space Heating

Home Construction Components	Base & Optional Component Upgrades	Circle the Upgrade Component Used	Fill In Credit Here
Ceiling Insulation (min. required is R40 & all examples are 2x4 Ceiling Spaced 24"OC)	R40 & 8" min. heel height (e.g. min 11.4" mineral fibre batt)	0.00	_____
	R51 & 8" min. heel height (e.g. min. 15" blown cellulose)	1.06	
	R51 & 15" min. heel height (e.g. min. 15" blown cellulose)	1.53	
	R60 & 8" min. heel height (e.g. min. 17.5" blown cellulose)	1.57	
	R60 & 12" min. heel height (e.g. min. 17.5" blown cellulose)	1.93	
	R60 & 18" min. heel height (e.g. min. 17.5" blown cellulose)	2.09	
Walls Above Grade "actually Walls Above Foundation" (Total R values are "nominal" & all examples are 2x6 Wall Spaced 16"OC)	R19 (e.g. R19 Batt)	0.00	_____
	R22 (e.g. R22 Batt)	1.60	
	R24 (e.g. R19 Batt & 1" XTPS IV)	5.00	
	R27 (e.g. R22 Batt & 1" XTPS IV)	5.54	
	R29 (e.g. R20 Batt & 1.5" Polyiso)	8.17	
Foundation Wall Insulation (Total R values are "nominal")	R12 (e.g. 2x4 & 16"OC / R12 Batt)	0.00	_____
	R19 (e.g. 2x4 & 16"OC / R19 Batt)	2.80	
Under Basement Floor Insulation (not mandatory)	No Insulation	0.00	_____
	R5 Full Slab	1.77	
	R10 Full Slab	2.35	
Windows U-Value (max. allowed U is 2.0 W/m^2)	U=2.0 W/m^2	0.00	_____
	U=1.8 W/m^2	1.50	
	U=1.6 W/m^2	3.54	
	U=1.4 W/m^2	6.37	
Gas Furnace	Calculate: (AFUE - 90) x 0.512 = (____% - 90%) x 0.512 =		_____
Ventilation and Blower Door Test	No Heat Recovery Ventillator (HRV)	0.00	_____
	No Blower Door Test with HRV, Calculate: Efficiency x 0.117 = ____% x 0.117 =		
	<2.5 ACH@50Pa with HRV, Calculate: Efficiency x 0.143 = ____% x 0.143 =		
	<2.0 ACH@50Pa with HRV, Calculate: Efficiency x 0.172 = ____% x 0.172 =		
Primary Water Heater (min. required EF is 0.57)	All Tank, Calculate: (Energy Factor - 0.57) x 31.5 = (____ - 0.57) x 31.5 =		_____
	All Tankless, Calculate: (Energy Factor - 0.57) x 19.6 = (____ - 0.57) x 19.6 =		
Drain Water Heat Recovery **Unequal** Flow Installation	1 Shower: DWHR, Calculate: Efficiency x 0.049 = ____% x 0.049 = All Showers: DWHR, Calculate: Efficiency x 0.098 = ____% x 0.098 =		_____
Drain Water Heat Recovery **Equal** Flow Installation	1 Shower: DWHR, Calculate: Efficiency x 0.063 = ____% x 0.063 = All Showers: DWHR, Calculate: Efficiency x 0.127 = ____% x 0.127 =		
Solar Domestic Hot Water Systems	Credit is Annual Performance in GJ/year from NRCan List of Approved SDHW Systems		_____
Other Approved 1: _____	Describe in Detail: _____		_____
Other Approved 2: _____	Describe in Detail: _____		_____

TOTAL POINTS (min. 19.0 required) _____

Ver 2.1 March 28, 2012

NOTES:

*Numbers are from Lio & Associates EnerGuide 80 report (March 2010), Natural Resources Canada or have been adjusted to reflect current practise.

**Exposed Floors shall have minimum of R25

-the credits for Insulation, Windows and Ventilation are based upon Gas Furnace AFUE = 92%

-the credits for DWHR is conservative and based upon water heating EF = .67. If it cannot be shown to be installed for Equal Flow, then Unequal Flow shall be assumed