

## Building Your Home To Meet The Requirements For The 2006-2007 Tax Credits.

The following building models use insulation board on the foundation walls.

Subject Home: 1200 Sq. Ft. Ranch - Full Basement Window to Wall Ratio = 12%			
Model Type	Example 1	Example 2	Example 3
Foundation Walls	R-10 EXTERIOR	R-10 INTERIOR	R-6.5 INTERIOR
Slab Floors	UNINSULATED	UNINSULATED	UNINSULATED
Frame Floors	N/A	N/A	N/A
Rim/Band Joist	R-19	R-19	R-19
Above Grade Walls	R-13 / R-2.5 CONT.	R-13 / R-2.5 CONT.	R-19 / R-2.5 CONT.
Windows & Glass Doors	U-.33	U-.29	U-.29
Ceiling Insulation	R-49	R-49	R-49
Furnace AFUE	94%	92%	94%
Heating Capacity (kBtu/hr)	28 K	28 K	28 K
Annual Heating Cost	\$455	\$453	\$447
Prog. Thermostat	YES	YES	YES
Air Conditioner SEER	13	13	13
Cooling Capacity (kBtu/hr)	1.5 TON	1.5 TON	1.5 TON
Annual Cooling Cost	\$110	\$113	\$110
Water Heater	.62EF	.62EF/R-5	.62EF/R-5
Ducts	RESNET/HERS DEFAULT	RESNET/HERS DEFAULT	RESNET/HERS DEFAULT
Infiltration	.25 NACH	.25 NACH	.25 NACH
Ventilation	AIR CYCLER	AIR CYCLER	AIR CYCLER

**Note:** The above examples illustrate the minimum energy efficient components needed to qualify the home for the current tax credits that are available. These examples are only for providing a insight to the construction components needed to be eligible. An individual assessment of the project building would be required to validate the necessary components needed to comply.

**Example 1** shows exterior insulation that installed on the entire foundation wall including the exposure area above grade.

**Example 2** shows interior insulation that installed on the entire foundation wall. With this application the insulation would need to be covered with a approved fire rated material.

**Example 3** shows interior insulation that installed on the entire foundation wall. The material specifications that were used for this application are from a product offered by Dow Building & Construction. This insulation material has a R-value rating of 6.5 per inch and DOES NOT require to be covered to meet fire rating standards.

## Building Your Home To Meet The Requirements For The 2006-2007 Tax Credits.

The following building models use insulation board on the foundation walls.

Subject Home: 1470 Multi-Level Sq. Ft. - Full Basement Window to Wall Ratio = 13%			
Model Type	Example 1	Example 2	Example 3
Foundation Walls	R-10 EXTERIOR	R-10 INTERIOR	R-6.5 INTERIOR
Slab Floors	UNINSULATED	UNINSULATED	UNINSULATED
Frame Floors	N/A	N/A	N/A
Rim/Band Joist	R-19	R-19	R-19
Above Grade Walls	R-13 / R-5 CONT.	R-13 / R-5 CONT.	R-19 / R-2.5 CONT.
Windows & Glass Doors	U-.29	U-.33	U-.29
Ceiling Insulation	R-49	R-49	R-49
Furnace AFUE	94%	94%	94%
Heating Capacity (kBtu/hr)	33 K	34 K	34 K
Annual Heating Cost	\$525	\$546	\$536
Prog. Thermostat	YES	YES	YES
Air Conditioner SEER	13	13	13
Cooling Capacity (kBtu/hr)	2 TON	2 TON	2 TON
Annual Cooling Cost	\$157	\$155	\$154
Water Heater	.62EF/R-5	.62EF/R-5	.62EF/R-5
Ducts	RESNET/HERS DEFAULT	RESNET/HERS DEFAULT	RESNET/HERS DEFAULT
Infiltration	.25 NACH	.25 NACH	.25 NACH
Ventilation	AIR CYCLER	AIR CYCLER	AIR CYCLER

**Note:** The above examples illustrate the minimum energy efficient components needed to qualify the home for the current tax credits that are available. These examples are only for providing a insight to the construction components needed to be eligible. An individual assessment of the project building would be required to validate the necessary components needed to comply.

**Example 1** shows exterior insulation that installed on the entire foundation wall including the exposure area above grade.

**Example 2** shows interior insulation that installed on the entire foundation wall. With this application the insulation would need to be covered with a approved fire rated material.

**Example 3** shows interior insulation that installed on the entire foundation wall. The material specifications that were used for this application are from a product offered by Dow Building & Construction. This insulation material has a R-value rating of 6.5 per inch and DOES NOT require to be covered to meet fire rating standards.

## Building Your Home To Meet The Requirements For The 2006-2007 Tax Credits.

The following building models use insulation board on the foundation walls.

Subject Home: 1790 Sq. Ft. Ranch - Full Basement Window to Wall Ratio = 17%			
Model Type	Example 1	Example 2	Example 3
Foundation Walls	R-10 EXTERIOR	R-10 INTERIOR	R-6.5 INTERIOR
Slab Floors	UNINSULATED	UNINSULATED	UNINSULATED
Frame Floors	N/A	N/A	N/A
Rim/Band Joist	R-19	R-19	R-19
Above Grade Walls	R-13 / R-5 CONT.	R-13 / R-5 CONT.	R-19 / R-2.5 CONT.
Windows & Glass Doors	U-.29	U-.29	U-.29
Ceiling Insulation	R-49	R-49	R-49
Furnace AFUE	94%	94%	94%
Heating Capacity (kBtu/hr)	40 K	40 K	41 K
Annual Heating Cost	\$413	\$656	\$671
Prog. Thermostat	YES	YES	YES
Air Conditioner SEER	13	13	13
Cooling Capacity (kBtu/hr)	2 TON	2 TON	2 TON
Annual Cooling Cost	\$155	\$160	\$156
Water Heater	.62EF/R-5	.62EF/R-5	.62EF/R-5
Ducts	RESNET/HERS DEFAULT	RESNET/HERS DEFAULT	RESNET/HERS DEFAULT
Infiltration	.25 NACH	.25 NACH	.25 NACH
Ventilation	AIR CYCLER	AIR CYCLER	AIR CYCLER

**Note:** The above examples illustrate the minimum energy efficient components needed to qualify the home for the current tax credits that are available. These examples are only for providing a insight to the construction components needed to be eligible. An individual assessment of the project building would be required to validate the necessary components needed to comply.

**Example 1** shows exterior insulation that installed on the entire foundation wall including the exposure area above grade.

**Example 2** shows interior insulation that installed on the entire foundation wall. With this application the insulation would need to be covered with a approved fire rated material.

**Example 3** shows interior insulation that installed on the entire foundation wall. The material specifications that were used for this application are from a product offered by Dow Building & Construction. This insulation material has a R-value rating of 6.5 per inch and DOES NOT require to be covered to meet fire rating standards.

## Building Your Home To Meet The Requirements For The 2006-2007 Tax Credits.

The following building models use insulation board on the foundation walls.

Subject Home: 2337 Sq. Ft. Multi-Level - Full Basement Window to Wall Ratio = 12%			
Model Type	Example 1	Example 2	Example 3
Foundation Walls	R-10 EXTERIOR	R-10 INTERIOR	R-6.5 INTERIOR
Slab Floors	UNINSULATED	UNINSULATED	UNINSULATED
Frame Floors	R-30	R-30	R-30
Rim/Band Joist	R-19	R-19	R-19
Above Grade Walls	R-13 / R-5 CONT.	R-13 / R-2.5 CONT.	R-13 / R-5 CONT.
Windows & Glass Doors	U-.33	U-.33	U-.33
Ceiling Insulation	R-49	R-49	R-49
Furnace AFUE	94%	94%	94%
Heating Capacity (kBtu/hr)	53 K	53 K	54 K
Annual Heating Cost	\$906	\$906	\$912
Prog. Thermostat	YES	YES	YES
Air Conditioner SEER	13	13	13
Cooling Capacity (kBtu/hr)	2.5 TON	2.5 TON	2.5 TON
Annual Cooling Cost	\$177	\$177	\$174
Water Heater	.62EF/R-5	.62EF/R-5	.62EF
Ducts	RESNET/HERS DEFAULT	RESNET/HERS DEFAULT	RESNET/HERS DEFAULT
Infiltration	.25 NACH	.25 NACH	.25 NACH
Ventilation	AIR CYCLER	AIR CYCLER	AIR CYCLER

**Note:** The above examples illustrate the minimum energy efficient components needed to qualify the home for the current tax credits that are available. These examples are only for providing a insight to the construction components needed to be eligible. An individual assessment of the project building would be required to validate the necessary components needed to comply.

**Example 1** shows exterior insulation that installed on the entire foundation wall including the exposure area above grade.

**Example 2** shows interior insulation that installed on the entire foundation wall. With this application the insulation would need to be covered with a approved fire rated material.

**Example 3** shows interior insulation that installed on the entire foundation wall. The material specifications that were used for this application are from a product offered by Dow Building & Construction. This insulation material has a R-value rating of 6.5 per inch and DOES NOT require to be covered to meet fire rating standards.

## Building Your Home To Meet The Requirements For The 2006-2007 Tax Credits.

The following building models use insulation board on the foundation walls.

Subject Home: 2500 Sq. Ft. Ranch - Full Basement Window to Wall Ratio = 15%			
Model Type	Example 1	Example 2	Example 3
Foundation Walls	R-10 EXTERIOR	R-10 INTERIOR	R-10 INT/R-11 CAVITY
Slab Floors	UNINSULATED	UNINSULATED	UNINSULATED
Frame Floors	N/A	N/A	N/A
Rim/Band Joist	R-19	R-19	R-19
Above Grade Walls	R-19 / R-2.5 CONT.	R-19 / R-2.5 CONT.	R-13 / R-2.5 CONT.
Windows & Glass Doors	U-.29	U-.29	U-.29
Ceiling Insulation	R-49	R-49	R-49
Furnace AFUE	94%	94%	92%
Heating Capacity (kBtu/hr)	55 K	53 K	54 K
Annual Heating Cost	\$893	\$893	\$892
Prog. Thermostat	YES	YES	YES
Air Conditioner SEER	13	13	14
Cooling Capacity (kBtu/hr)	3 TON	3 TON	2.5 TON
Annual Cooling Cost	\$221	\$221	\$213
Water Heater	.62EF/R-5	.62EF/R-5	.62EF/R-5
Ducts	RESNET/HERS DEFAULT	RESNET/HERS DEFAULT	RESNET/HERS DEFAULT
Infiltration	.25 NACH	.25 NACH	.25 NACH
Ventilation	AIR CYCLER	AIR CYCLER	AIR CYCLER

**Note:** The above examples illustrate the minimum energy efficient components needed to qualify the home for the current tax credits that are available. These examples are only for providing a insight to the construction components needed to be eligible. An individual assessment of the project building would be required to validate the necessary components needed to comply.

**Example 1** shows exterior insulation that installed on the entire foundation wall including the exposure area above grade.

**Example 2** shows interior insulation that installed on the entire foundation wall. With this application the insulation would need to be covered with a approved fire rated material.

**Example 3** shows interior insulation that installed on the entire foundation wall. The material specifications that were used for this application are from a product offered by Dow Building & Construction. This insulation material has a R-value rating of 6.5 per inch and DOES NOT require to be covered to meet fire rating standards.