



Home Energy Rating Inspection Form

Version: 1.30.04

Southface
Energy Rated Homes

General Information

Rater's Name
Rater Number

Date of Site Visit

ECH Number
Property Address

Homeowner
Phone number
Email address

Builder / Remodeler
Contact person
Phone number
Radio number
Email address

Number of bedrooms
Oven / range fuel
Clothes dryer fuel

- Before you leave the house, make sure:
- Filters replaced and air handlers on
 - Water heaters on
 - All tape removed from registers
 - All blower door and duct blaster equipment packed
 - All ladders and equipment packed
 - Fresh air intakes untaped

Unconditioned Basement

	Length	Total Height	Hgt Above Grade	Cavity R Value	Cont. R-Value
Front concrete wall					
Right concrete wall					
Back concrete wall					
Left concrete wall					

	Length	Total Height	Cavity R Value	Cont. R-Value
Front framed wall				
Right framed wall				
Back framed wall				
Left framed wall				

Band joist:				
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Unconditioned Crawlspace Vented? Y N

	Length	Total Height	Hgt Above Grade	Cavity R Value	Cont. R-Value
Front concrete wall					
Right concrete wall					
Back concrete wall					
Left concrete wall					

	Length	Total Height	Cavity R Value	Cont. R-Value
Front framed wall				
Right framed wall				
Back framed wall				
Left framed wall				

Band joist:				
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Conditioned Basement or Crawlspace

	Length	Total Height	Hgt Above Grade	Cavity R Value	Cont. R-Value
Front concrete wall					
Right concrete wall					
Back concrete wall					
Left concrete wall					

	Length	Total Height	Cavity R Value	Cont. R-Value
Front framed wall				
Right framed wall				
Back framed wall				
Left framed wall				
Band joist:				

	Total Perimeter	Exposed Perimeter	Depth of Slab	Floor Area
Slab on grade				
Slab below grade				

Walls Separating Conditioned and Unconditioned Basement/Crawlspace

	Length	Height	Cavity R Value	Cont. R-Value
Wall				
Band Joist				

Basement / Crawlspace Mechanical Systems

	Mfgr	Model Number	Efficiency	Size
Furnace				
Indoor coil (ac/hp)				
Outdoor coil (ac/hp)				

	Mfgr	Model Number	Efficiency	Size
Furnace				
Indoor coil (ac/hp)				
Outdoor coil (ac/hp)				

	Mfgr	Model Number	Efficiency	Size
Water htr type:				
Water htr type:				

First Floor of House

<i>Framed floor over...</i>	Area	Cavity R Value	Cont. R-Value
Unconditioned basement			
Unconditioned crawlspace			
Garage			
Ambient			

	Total Perimeter	Exposed Perimeter	Floor Area
Slab floor			

<i>Walls exposed to:</i>	Length	Height	Cavity R Value	Cont. R-Value
Unconditioned basement				
Unconditioned crawlspace				
Garage				
Attic				

<i>Exterior walls:</i>	Length	Height	Cavity R Value	Cont. R-Value
Front				
Right				
Back				
Left				

Cathedral ceilings	Floor Area	Factor	Area	Cavity R Value	Cont. R-Value
Vault 1					
Vault 2					
Vault 3					

Flat ceiling with attic above			
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Mechanical Closet on the First Floor or Garage

	Mfgr	Model Number	Efficiency	Size
Furnace				
Indoor coil (ac/hp)				
Outdoor coil (ac/hp)				

	Mfgr	Model Number	Efficiency	Size
Water htr type:				

Second Floor of House

<i>Framed floor over...</i>	Area	Cavity R Value	Cont. R-Value
Garage			
Ambient			

<i>Walls exposed to attic:</i>	Length	Height	Cavity R Value	Cont. R-Value
Attic kneewall #1				
Attic kneewall #2				
Attic kneewall #3				
Attic kneewall #4				

<i>Exterior walls:</i>	Length	Height	Cavity R Value	Cont. R-Value
Front				
Right				
Back				
Left				

Cathedral ceilings	Floor Area	Factor	Area	Cavity R Value	Cont. R-Value
Vault 1					
Vault 2					
Vault 3					

Flat ceiling with attic above			
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Mechanical Closet on the Second Floor

	Mfgr	Model Number	Efficiency	Size
Furnace				
Indoor coil (ac/hp)				
Outdoor coil (ac/hp)				

	Mfgr	Model Number	Efficiency	Size
Water htr type:				

Third Floor of House

<i>Framed floor over...</i>	Area	Cavity R Value	Cont. R-Value
Ambient			

<i>Walls exposed to:</i>	Length	Height	Cavity R Value	Cont. R-Value
Attic				

<i>Exterior walls:</i>	Length	Height	Cavity R Value	Cont. R-Value
Front				
Right				
Back				
Left				

Attic Mechanical Systems

	Mfgr	Model Number	Efficiency	Size
Furnace				
Indoor coil (ac/hp)				
Outdoor coil (ac/hp)				

	Mfgr	Model Number	Efficiency	Size
Furnace				
Indoor coil (ac/hp)				
Outdoor coil (ac/hp)				

Window Types

Type	U-factor	SHGC	Overhang	Shade

Basement Windows

	Orientation	Width	Height	Area	Type
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

First Floor Windows

	Elevation	Width	Height	Area	Type
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

**Second Floor
Windows**

	Elevation	Width	Height	Area	Type
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

**Third Floor
Windows**

	Elevation	Width	Height	Area	Type
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

Blower Door Test

	House to Outside Pressure	Fan Pressure	CFM	CRF Factor	CFM50

Volume Calculation

	Floor Area	Ceiling Height	Volume

TOTAL VOLUME cubic feet

ACH50 = CFM50 x 60 / VOLUME

ACHnat = ACH50 / N

Surface Area of Building Envelope

Floor	<input type="text"/>	Sq. feet	Leakage per square foot of building envelope (CFM50/sfbe)
Walls	<input type="text"/>	Sq. feet	
Ceiling	<input type="text"/>	Sq. feet	
Total	<input type="text"/>	Sq. feet	

Duct blaster #1

Ducts located in:

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Insulation on ducts:

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Area served:

	square feet
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	Duct to outside pressure	Fan Pressure	CFM	CRP Factor	CFM25

Duct blaster #2

Ducts located in:

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Insulation on ducts:

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Area served:

	square feet
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	Duct to outside pressure	Fan Pressure	CFM	CRP Factor	CFM25

Duct blaster #3

Ducts located in:

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Insulation on ducts:

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Area served:

	square feet
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	Duct to outside pressure	Fan Pressure	CFM	CRP Factor	CFM25

Duct blaster #4

Ducts located in:

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Insulation on ducts:

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Area served:

	square feet
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	Duct to outside pressure	Fan Pressure	CFM	CRP Factor	CFM25