

Energy Audit Data Collection Form

Job#: ClientID:

ClientName: Day Phone:

ClientAddress:

Assessors: Assessment Date:

County:

DwellingType		Ownership	Occupants
1. Site Built	4. Multifamily(>4)	Owner	SeniorFlag:
2. Mobile Home	5. Shelter	Renter	JuvenileFlag:
3. Duplex	6. Other"	Other	DisabilityFlag:
# of Occupants		ClientLanguage:	
Ethnicity		DisabilityType:	

Contacts			
1. Applicant of Record		3. Landlord / Owner 1	
2. Other Contact		4. Landlord / Owner 2	
Type:	Contact Name:	Relation:	Day Phone:

Wall Type	Exterior Type	Wall Area Sq'	Exposure	Existing Insulation	Insulation to Add
1. Baloon Frame	1. Wood	total gross area of the exterior wall, including windows and doors.	1. Outside	1. None	1. None
2. Platform Frame	2. Metal(Vinyl)		2. Buffered	2. Bln Cellulose	2. Bln Cellulose
3. Masonry / Stone	3. Stucco		3. Attic	3. Bln Fiberglass	3. Bln Fiberglass
4. Cinder Block	4. Brick(Stone)			4. Rockwool	
5. Adobe	5. Masonite			5. Fiberglass Batts	
6. Other	6. Other			6. Polystyrene / Other	

Walls	Wall Type	Stud Size	Exterior Type	W' / H'	Area Sq'	Orientation	Exposure	Exist. Insul.	Exist RVal	Add Insul / Add R
WALL 01										
WALL 02										
WALL 03										
WALL 04										
WALL 05										

WindowType	Slider	Frame Type	Glazing	Interior Shade	Ext. Shade	Leakiness	Number	Retrofit	Fabric	Frame Sz
1. Jalousie	1. Horizontal	1. Wood / Vinyl	1. Single Pane	1. Drapes	1. Low E Film	1. Very Tight	# of windows with the same description on this wall.	1. Evaluate	C - Charcoal B - Bronze G - Gray	1. 5/16
2. Slider	2. Vertical	2. Metal	2. Sngl. P. W/ Storm	2. Blinds / Shades	2. Solar Screen	2. Tight		2. Weatherize		2. 3/8
3. Fixed	3. Left - Right	3. Improved Metal	3. Sngl P. Bad/ Storm	3. Drapes w/ Shades	3. Awning	3. Medium		3. Replace		F.Color B M W
4. Door Window	4. Right - Left	4. COLOR - B M W	4. Double Pane	4. None	4. Carport	4. Loose		4. Rep. W/Low E		
5. Door Slider			5. Dbl. P. W/ Low E		5. Porch	5. Very Loose		5. Add Storm		
6. Skylight					6. None			6. None		

Windows	Wall #	Type	Slider	Frame	Color	Glazing	Interior	Exterior	% Shade	Leakiness	# of Same	Retro	W "	H "	Fab	Frm	F.C
WIND 01																	
WIND 02																	
WIND 03																	
WIND 04																	

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Wall Type		Exterior Type		Wall Area Sq'		Exposure	Existing Insulation		Insulation to Add
1. Baloon Frame 2. Platform Frame 3. Masonry / Stone	4. Cinder Block 5. Adobe 6. Other	1. Wood 2. Metal(Vinyl) 3. Stucco	4. Brick(Stone) 5. Masonite 6. Other	<i>total gross area of the exterior wall, including windows and doors.</i>		1. Outside 2. Buffered 3. Attic	1. None 2. Bln Cellulose 3. Bln Fiberglass	4. Rockwool 5. Fiberglass Batts 6. Polystyrene / Other	1. None 2. Bln Cellulose 3. Bln Fiberglass



Walls	Wall Type	Stud Size	Exterior Type	W ' / H '	Area Sq'	Orientation	Exposure	Exist. Insul.	Exist RVal	Add Insul / Add R
WALL 06										
WALL 07										
WALL 08										
WALL 09										
WALL 10										
WALL 11										
WALL 12										
WALL 13										

WindowType	Slider	Frame Type	Glazing	InteriorShade	Ext. Shade	Leakiness	Number	Retrofit	Fabric	Frame Sz
1. Jalousie 2. Slider 3. Fixed 4. Door Window 5. Door Slider 6. Skylight	1. Horizontal 2. Vertical 3. Left - Right 4. Right - Left	1. Wood / Vinyl 2. Metal 3. Improved Metal 4. COLOR - B M W	1. Single Pane 2. Sngl. P. W/ Storm 3. Sngl P. Bad/ Storm 4. Double Pane 5. Dbl. P. W/ Low E	1. Drapes 2. Blinds / Shades 3. Drapes w/ Shades 4. None	1. Low E Film 2. Solar Screen 3. Awning 4. Carport 5. Porch 6. None	1. Very Tight 2. Tight 3. Medium 4. Loose 5. Very Loose	# of windows with the same description on this wall.	1. Evaluate 2. Weatherize 3. Replace 4. Rep. W/Low E 5. Add Storm 6. None	C - Charcoal B - Bronze G - Gray	1. 5/16 2. 3/8 F.Color B M W

S h a d e

Windows	Wall #	Type	Slider	Frame	Color	Glazing	Interior	Exterior	% Shade	Leakiness	# of Same	Retro	W "	H "	Fab	Frm	F.C
WIND 05																	
WIND 06																	
WIND 07																	
WIND 08																	
WIND 09																	

Door Type	StormDoor	Number	Measure	Swing	Lockset	AirSeal	Threshold	Oak/Bumper	Hinge Strike
1. H-Core Wood 2. S-Core Wood 3. Insulated Steel	4. Sngl Sliding Glass 5. Dbl Pane Glass	1. Adequate 2. Deteriorated 3. None	# of Doors With the same Description	1. Repair 2. Replace	1. Right Hand 2. Left Hand	1. DeadBolt 2. Knob 3. Combo	1. Jamb Up 2. Q-Lon 3. Sweep (M/B)	4. V-Seal (C/B) 5. 1 x 5/8 Bumper 6. 3/4 Bumper (B)	1. Reg 2. NRP 2. Lrg

DoorCode	Wall #	Type	Area	Storm Dr.	Number	Measure	Swing	Width	Height	Thick	Lockset	Air Seal +	Thresh	Hinge Strike	Viewer
DOOR 01															
DOOR 02															
DOOR 03															
DOOR 04															
DOOR 05															

ADDITIONAL WINDOW DATA COLLECTION

Windows	Wall #	Type	Slider	Frame	Color	Glazing	Interior	Exterior	% Shade	Leakiness	# of Same	Retro	W "	H "	Fab	Frm	F.C
WIND 10																	
WIND 11																	
WIND 12																	
WIND 13																	
WIND 14																	
WIND 15																	
WIND 16																	
WIND 17																	
WIND 18																	
WIND 19																	

WIND 20																	
WIND 21																	
WIND 22																	
WIND 23																	
WIND 24																	
WIND 25																	
WIND 26																	
WIND 27																	
WIND 28																	
WIND 29																	

WIND 30																	
WIND 31																	
WIND 32																	
WIND 33																	
WIND 34																	
WIND 35																	
WIND 36																	
WIND 37																	
WIND 38																	
WIND 39																	

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ATTICS

Unfinished

AtticType	JoistSpace	Type	Material
1. Unfloored	1. 16 in	1. Batts	1. Fiberglass
2. Floored	2. 18 in	2. Blown	2. Rockwool
3. Cathedral / Flat	3. 24 in	3. Other	3. Cellulose

Existing Insulation

AtticCode	AtticType	Joist Sp	Area	Type	Material	Depth
UFA 01						
UFA 02						
UFA 03						
UFA 04						

Finished

Area Type	Floor Type	Type	Material
1. Outer Ceiling Joist	1. Unfloored	1. Batts	1. Fiberglass
2. Collar Beam	2. Floored	2. Blown	2. Rockwool
3. Kneewall	3. Other	3. Other	3. Cellulose
4. Roof Rafter			

Existing Insulation

AtticCode	AreaType	Floor	Area	Type	Material	Depth
FA 01						
FA 02						
FA 03						
FA 04						
FA 05						
FA 06						
FA 07						

Additional Attic Framing Details

Type

Centers

Heat Sources

Sq ft.

Exist

Add

1. Cathedral

1. 16 in

1. WH / Furn

Hatch

2. Kneewall

2. 18 in

2. Exh Fan

Stairbox

3. Skylight

3. 24 in

3. Rec Lght

Batt/Baffle

Type

Centers

Heat Sources

Sq ft.

Foam WS

1. Cathedral

1. 16 in

1. WH / Furn

2. Kneewall

2. 18 in

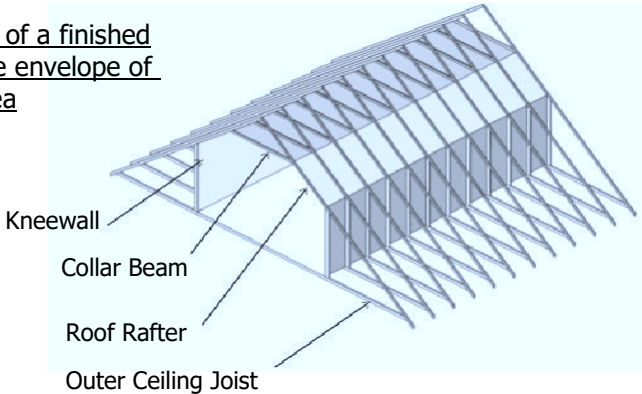
2. Exh Fan

3. Skylight

3. 24 in

3. Rec Lght

The four parts of a finished attic define the envelope of the heated area



FOUNDATIONS

Foundation Type

1. Conditioned

2. Non Conditioned

3. Vented Non Cond.

4. Unintentionally Cond.

5. Uninsulated Slab

6. Insulated Slab

7. Exposed Floor

FoundCode

FoundType

FD 01	
FD 02	
FD 03	

Floor

Area (sq ft)

Exist. Insul. R-Value

Sill

Joist Size (in)

Perimeter to Insul (ft)

F. Wall

Height (ft)

Height Exposed (%)

Perimeter (ft)

Exist. R-Value

FoundationInsulationoptions

Floor

None

BUILDING SHELL - Comments

Include roof type, condition, and venting

Housing App#: ClientID:
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Required Heating System Details

Heating Equipment Type	Fuel Type	Equipment Location	SysCode	Manufacturer	Model #	Photo Documented ☐
1. Gravity Furnace 2. Forced Air Furnace 3. Fixed Elect Resistance 4. Portable Electric 5. Hot Water Boiler	6. Heat Pump 7. V-Space heater 8. UnV-Space Heater 9. V-Wall Furnace 10. UnV-Wall Furnace	1. Natural Gas 5. Oil 2. Electricity 6. Propane 3. Wood 7. Coal 4. Kerosene 8. Other	1. Heated Space 2. Uncond. Space 3. Unintentional Heated	HS01		
				HS02		
				HS03		

Primary Sys	SysCode	Type	Fuel	% Supplied	Location	Sq'	Watts	Amps	Volt	Heat Pump Details HSPF or Yr.Purch.	Energy Index
	HS01										FloorArea Sq'
	HS02										Cond. Stories
	HS03										Year Built

Input Heating Units	Condition
1. No Input 4. Lbs/hr 2. kBtu/hr 5. CCM 3. Gals/hr	1. Good 4. Broken (non-function) 2. Fair 5. None 3. Poor (functions)

Duct Type Rect / Round	Length	Width	Height if Rectangular	Diameter if Circular
<u>Uninsulated Supply Ducts</u>				

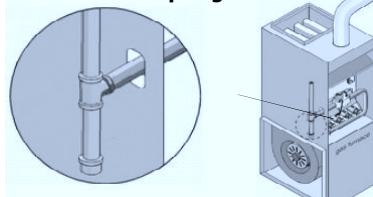
SysCode	InputUnits	InputRating	Output Cap. (in heat units)	SS Eff. %	EquipCond.	Smart Therm	Auto Vent Damper Present	Recomd	Flue Dia	Pilot Light / IID IID PilotLight	Summer	PowerBurn	Retention Head Present	Recomd
HS01														
HS02														
HS03														

Additional Heating System Details

Burner Condition	Pilot Condition	Elect. Serv. Switch
1. Good 2. Fair 3. Poor (working) 4. Broken (not working)	1. Good 2. Fair 3. Poor (working) 4. Broken (not working)	1. Good 2. Fair 3. Poor (working) 4. Broken (not working)

SysCode	BurnerCond	PilotCond	E.Serv.Switch	C/O levels	GasLeak
HS01					
HS02					
HS03					

Gas Furnace Drip Leg



Cracked Heat Exchanger

Fuel Shut Off Not Present

Drip Leg Not Present

Thermostat Type

1. Mech (bimetallic)
2. Mech (mercury)
3. Elect (no setback)
4. Elect (w/ setback)

Combustion Air Existing Add

Seal Closet

No Yes

Therm.Type	Day Setting	Night Setting

Additional Comments

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Cooling System Details

AC UnitType

1. Central 2. Window 3. Heat Pump 4. Evaporative Cooler

Photo
Documented

AC Code	AC Type	Area Cooled (sq')	Size (kBTU/hr)	SEER or	Yr.Purchased	Manufacturer	Model #	Serial #
AC01				:				
AC02				:				
AC03				:				
AC04				:				

Additional Comments

Ducts / Infiltration

D
u
c
t

B
l
o
w
e
r

M
e
t
h
o
d

WHOLE HOUSE BLOWER DOOR MEASUREMENTS

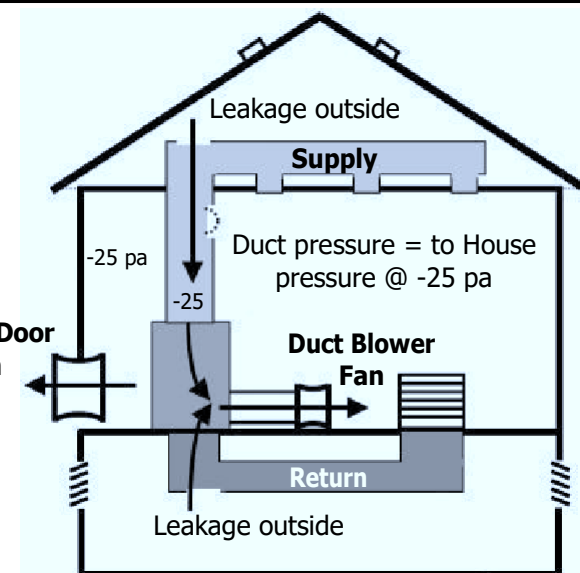
	Before WZN (Initial) ¹	After WZN Target ¹
Air Leakage Rate (CFM)		
at House Pressure Difference (Pa)	50	50
Blower DoorFlow Ring	Open	Ring A Ring B Ring C

DUCT OPERATING PRESSURE

Duct Operating Pressures Before Duct Sealing
Supply (Pa)
Return (Pa)

DUCT BLOWER MEASUREMENTS

Before Duct Sealing - Initial	Total ²	Outside ³	After Duct Sealing Target	Total ³	Outside
Fan Flow (CFM)			Fan Flow (CFM)		
Duct Pressure (Pa)	25	25	Duct Pressure (Pa)	25	25
House Pressure WRT Outside (Pa)		25	House Pressure WRT Outside (Pa)		25
Duct BlowerFlow Ring	Open	Ring 1 Ring 2 Ring 3			



Leakage to Outside Depressurization Test

Conduct a 'Standard' Blower Door depressurization test. (open registers and Hvac filters removed)
 Conduct a Duct Blower depressurization test. (seal return and supply registers)
 With the return and supply registers sealed, use the Blower Door to depressurize the envelope to -25 pa.
 With the house at -25 pa, and duct pressure at -25 pa, measure the duct CFM (WRT outside)

- Record initial, calculate target.
- Record total fan flow CFM.
- Record 'outside' calculate target.

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BASELOADS

Water Heater(s)

WH Code	Manufacturer	Model:	Serial #:	Photo
WH01				
WH02				

Shower Heads

of Shower Heads
 Shower Use (min/day)
 Average GPM

Fuel Type	Equipment Location	Input Units
1. Natural Gas	1. Heated Space	1. kBTU
2. Electricity	2. Uncond. Space	2. kW
3. Propane	3. Unintentional Heated	

If WH wrap is present, skip Insul. Thick & Insul. Type
Is the first 5' of WH supply pipe insulated?

Insulation Type
1. Fiberglass
2. Polyurethane

Water Heater Condition Burner Condition

WH Code	Fuel Type	Equip. Loc.	Rated Input	Input Units	Gallons	WH Wrap	Pipe Insul.	Insul. Thick.	Insul. Type	Good	Fair	Poor	Good	Fair	Poor	CO Level	WH Stand
WH01																	
WH02																	

Comments:

Refrigerator

Manufacturer	Model	Photo

Refrigerator Style	Defrost	Refrigerator Location	Size cu ft
1. Top Freezer	1. Automatic	3. Partial Auto	1. Heated Space
2. Side by Side	2. Manual	4. Other	2. Uncond. Space
3. Single Door	6. Other		3. Unintentional Heated

Available Space Dimesions

Height(in)
 Width(in)
 Depth(in)

Ice Maker

Door Type	Door Swing	Freezer Type
Single	Right Hand	Top
Double	Left Hand	Bottom

Lighting System

Room Description	Location	Lamp Type
1. Family	1. Ceiling	1. Standard
2. Kitchen	2. Floor	2. Floor
3. Living	3. Table	3. Other
4. Rec	4. Wall	
5. Dining	5. Closet	
6. Bedroom	6. Other	
7. Bathroo		
8. Utility		

Light Code	Room Desc	Room Location	Lamp Type	Qaunt.	Size (watts)	Usage (hr/day)
LT01						
LT02						
LT03						
LT04						
LT05						
LT06						
LT07						
LT08						
LT09						
LT10						

Consumption

Label / Database Annual Consumption

kWhr/yr	Refrig Age	Door Seal Condition
	1. < 5 Yrs. 3. < 15 Yrs.	1. Good
	2. < 10 Yrs. 4. > 15 Yrs.	2. Some Wear
		3. Visible Gaps

Or

Metered Consumption

Minutes Defrost ☐ Manual Defrost
 Meter kWh Includes Defrost Cycle
 Temp F

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HEALTH & SAFETY

Building Shell

Whole House

Carbon Monoxide Measurements

Alarms Needed

Rm with Heating System (ppm)

Smoke Detector

Rm with Water Heater (ppm)

CO Monitor

Living Area (ppm)

Kitchen (ppm)

Comments

Attic

Recessed Lights Present

Chimney/Flue Incorect Shielding

Wiring/Electrical Problems

Inadequate Ventilation

Water Leaks Present

Moisture Problems Evident

Vermiculite Present

Other Problems

Walls

Wiring/Electrical Problems

Water Leaks Present

Moisture Problems Evident

Lead Based Paint is Likely

Asbestos in Siding is Likely

Other Problems

Crawlspace / Basement

Vapor Barrier Needed

Wiring/Electrical Problems

Water Leaks Present

Plumbing Leaks Present

Moisture Problems Evident

Other Problems

Equipment

Worse Case Condition Draft Measurements - SPACE HEATING SYSTEM

Date	Conducted During	SysCode	Outdoor Temp (F)	Draft (Pa or in H2O)	Spillage Time(sec)	Comments
	Audit Inspection					
		HS0__				
		HS0__				
		HS0__				

Worse Case Condition Draft Measurements - WATER HEATING SYSTEM

Date	Conducted During	SysCode	Outdoor Temp (F)	Draft (Pa or in H2O)	Spillage Time(sec)	Comments
	Audit Inspection					
		WH0__				
		WH0__				

CookStoveCO Measurements

CO Measurement Oven (ppm)

CO Measurement Burner 1 (ppm)

CO Measurement Burner 2 (ppm)

CO Measurement Burner 3 (ppm)

CO Measurement Burner 4 (ppm)

Gas Leak Present

Exhaust Fans

Bathrooms

Missing

Non Operational

Improper Venting

Kitchen

Missing

Non Operational

Improper Venting

Wood Stove / Fireplace

Wood Stove / Fireplace is Present

Improper Venting

Inadequate Combustion Air

Clothes Dryer

Improper Venting

Air-to-AirHeatExchanger

Exist

Non Operational

Housing App#:

ClientName:

Include the locations of; Heaters, A/C Units, Water Heaters, Attic Hatches, and Vents

- ☐ Shielded - closely surrounded by other buildings ☐ Normal - surrounded by trees / other bldgs Exposed

