

N1101.9 Contractors / Design Professionals Certificate

CITY OF ENTERPRISE, AL

* Use Blue or Black Ink

Building Permit No: _____	Date: _____
Builder: _____	Phone #: _____
Insulation Co: _____	Phone #: _____
Heating & Air Co: _____	Phone #: _____

1. Building Envelope Info.

	Type (batt/ blown / spray foam)	R-Value
Flat Ceiling R-value: (R30 min)		
Sloped Ceiling / Roof Deck R-value: (R30 min), R19 w/REScheck		
Exterior Wall R-value: (R13 min)		
Attic Knee Wall R-value: (R13 min)		
Attic Knee Wall Sheathing R-value: (R5 min)		
Basement Stud Wall R-value: (R13 min)		
Basement Mass Wall R-value: (R5 min)		
Sealed Crawlspace Stud Wall R-value: (R13 min)		
Sealed Crawlspace Mass Wall R-value: (R5 min)		
Floor over Unconditioned Space R-value: (R19 min)		
Floor over Air R-value: (R19 min)		
Other:		

*Window Size	# of	U-Factor (from NFRC label)	SHGC (from NFRC label)

*Skylight	# of	U-Factor (from NFRC label)	SHGC (from NFRC label)

*Glazed Door	# of	U-Factor (from NFRC label)	> 50% Glazed or < 50% Glazed

*Opaque Door	# of	U-Factor (from NFRC label)	> 50% Glazed or < 50% Glazed

**This will be the value covering the largest area*

2. Mechanical (Systems) Information

Hot Water Heater:			
Type (x)?	Gas		Electric
Circulating Pump (x) ?	Yes		No

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2. Mechanical (Systems) Information (Cont.)

Heating and Cooling System:					
Number and size:					
Number of Air Handlers ?					
Heating System Type (x) ?	Gas		Heat Pump		*Other
<i>*If other Heat System explain:</i>					
Cooling System Type (x) ?	Split		Heat Pump		*Other
<i>*If other Cooling System explain:</i>					

Total House Heating Load: _____ Btu/h Based on ACCA Manual J or approved equivalent
 Total House Cooling Load: _____ Btu/h Based on ACCA Manual J or approved equivalent

Heating and Cooling Load Calculations Performed By:

Date: _____

Name: _____

Signature: _____

Alabama State License # or P.E. Registration # :

Signature: _____ Print Name: _____

Company Name: _____ Address: _____

City: _____ State: _____ Zip: _____

3. Residential Energy Code Duct and Envelope Test Results

Envelope:

Fan Flow @ 50 Pascals #: _____ CFM50 Total Conditioned Vol. _____ ft³

ACH50 = CFM50 x 60 / Volume = _____ ACH50 (must be less than 7 ACH50)

Duct (if applicable):

System	Tool (DB,BDS,FH)	Test (PCO,PCT,RIT,RITnah)	CFM25	Area served (ft ²)	Results (%)
1					
2					
3					

Test Conducted By: _____ Date: _____

**This form must be permanently posted in main electrical distribution panel

Alabama Residential Energy Code Duct and Envelope Testing Results

CITY OF ENTERPRISE, AL

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Builder/Designer : _____

Address : _____

Phone # : _____

Building Envelope Tightness (BET)

1. Envelope Summary:

BET test conducted by : _____

Phone # : _____

Fan Flow @ 50 Pascals # : _____ CFM50 Total Conditioned Vol. _____ ft³

ACH50 = CFM50 x 60 / volume = ACH50 (must be less than 7 ACH50)

Duct Tightness Verification (DTV)

2. Mechanical Summary:

DTV Test Conducted by : _____

Phone # : _____

Tool used to conduct the duct tightness test: duct blower (DB), blower door subtraction method (BDS), or flow hood (FH).

Unless all ducts are located within conditioned space, builder must verify one of the following:

- Post-construction duct leakage to outdoors (PCO) is $\leq 8\%$
- Post-construction total duct leakage (PCT) is $\leq 12\%$
- Rough-in total duct leakage (RIT) with air handler installed is $\leq 6\%$
- Rough-in total duct leakage without air handler installed (RITnah) is $\leq 4\%$

% Duct leakage result = CFM₂₅ x 100 / Conditioned floor area served

System	Tool (DB,BDS,FH)	Test (PCO, PCT,RIT,RITnah)	CFM ₂₅	Area served (FT ²)	Result (%)
1					
2					
3					

****Note: This document to be posted on main air handling unit.**