

TOWN OF MERRIMAC INSPECTIONAL SERVICES 2 School Street, Merrimac, MA. 01860 (978) 346-0525

Massachusetts Residential IECC Energy Performance Testing Certificate

House Address:	Permit #:	Date:
Permit holder:	Phone:	
Building Envelope Air Leakage (mandatory):		
Blower door test (Mandatory)		
esting company:	Ph	one:
Fester Name (print):Sig		
BPI or HERS Rater certification number: BPI no:	HERS Rater no:	
Test Result:		
Fan Flow at 50 Pascals =C	CFM50 Total Conditioned Volu	ume =ft³
ACH50 = CFM50 x 60 / Volume	=ACH50 (must be ≤	3.0 ACH50)
/isual Inspection (Mandatory)		
, 10 a.a. 11 a.a. (11		ortificato
 Air Barrier and Insulation Installation checklist comp 	oleted, signed and included with this c	er tilicate.
□ Air Barrier and Insulation Installation checklist comp Heating and Cooling System Duct Leakage □ All portions of the ducts are located entirely within the system of the ducts are located entirely within the system.		
Heating and Cooling System Duct Leakage	the building thermal envelope. Testing	g is not required [*] .
Heating and Cooling System Duct Leakage All portions of the ducts are located entirely within to Duct leakage test Testing company:	the building thermal envelope. Testing	g is not required [*] . one:
Heating and Cooling System Duct Leakage All portions of the ducts are located entirely within to Duct leakage test Testing company: Signature Signature Signature Signature Signature Signature Signature Signature Signature Signature Signature Signature Signature Signature Signature Signature	the building thermal envelope. Testing Ph	g is not required [*] . one: Date:
Heating and Cooling System Duct Leakage All portions of the ducts are located entirely within to Duct leakage test Sesting company: Sester Name (print): Signary of HERS Rater certification number: BPI no:	the building thermal envelope. Testing Ph gnature: HERS Rater no:	g is not required [*] . one: Date:
Heating and Cooling System Duct Leakage □ All portions of the ducts are located entirely within the Duct leakage test Testing company: □ Sigure SPI or HERS Rater certification number: BPI no: □ Rough-in w/ air handler (must be ≤ 4.0 CFM/100 ft²) □ Post construction (must be ≤ 4.0 CFM/100 ft²)	the building thermal envelope. Testing Ph gnature: HERS Rater no:	g is not required [*] . one: Date:
Heating and Cooling System Duct Leakage □ All portions of the ducts are located entirely within the Duct leakage test Festing company: □ Sigure HERS Rater certification number: BPI no: □ Rough-in w/ air handler (must be ≤ 4.0 CFM/100 ft²) □ Post construction (must be ≤ 4.0 CFM/100 ft²)	the building thermal envelope. Testing Ph gnature: HERS Rater no:	g is not required [*] . one: Date:
Heating and Cooling System Duct Leakage □ All portions of the ducts are located entirely within the Duct leakage test Testing company: □ Sigure 1: □ All portions of the ducts are located entirely within the Duct leakage test Total duct leakage test (print): □ Rough-in w/ air handler (must be ≤ 4.0 CFM/100 ft²) Test Result: System 1:	the building thermal envelope. Testing Ph gnature: HERS Rater no:	g is not required*. one: Date: nust be ≤ 3.0 CFM/100 ft²)
Heating and Cooling System Duct Leakage □ All portions of the ducts are located entirely within to Duct leakage test Testing company: □ Sig BPI or HERS Rater certification number: BPI no: □ Rough-in w/ air handler (must be ≤ 4.0 CFM/100 ft²) □ Post construction (must be ≤ 4.0 CFM/100 ft²) Test Result: System 1: Fan Flow at 25 Pascals (CFM25) CFM Construction	the building thermal envelope. Testing Phagnature: HERS Rater no: Rough-in w/o air handler (n	g is not required*. one: Date: nust be ≤ 3.0 CFM/100 ft²)
Heating and Cooling System Duct Leakage □ All portions of the ducts are located entirely within the Duct leakage test Testing company: □ Sig BPI or HERS Rater certification number: BPI no: □ Rough-in w/ air handler (must be ≤ 4.0 CFM/100 ft²) □ Post construction (must be ≤ 4.0 CFM/100 ft²) Test Result: System 1: Fan Flow at 25 Pascals (CFM25) CFM Construction	the building thermal envelope. Testing Phagnature: HERS Rater no: New York and I handler (not be a served by served	g is not required*. one: Date: nust be ≤ 3.0 CFM/100 ft²)
Heating and Cooling System Duct Leakage □ All portions of the ducts are located entirely within the Duct leakage test Testing company: □ Sig BPI or HERS Rater certification number: BPI no: □ Rough-in w/ air handler (must be ≤ 4.0 CFM/100 ft²) □ Post construction (must be ≤ 4.0 CFM/100 ft²) □ Post construction (must be ≤ 4.0 CFM/100 ft²) Test Result: System 1: Fan Flow at 25 Pascals (CFM25) CFM Concept CFM25 / CFA x 100 = System 2 (if present):	the building thermal envelope. Testing Phagnature: HERS Rater no: New York and I handler (not be a served by served	g is not required*. one: Date: nust be ≤ 3.0 CFM/100 ft²) ystem =ft²



Verifier:

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III. Whole-house Ventilation System Airflow Test

esting company: S ester Name (print): S	
PI or HERS Rater certification number: BPI no:	
equired airflow (Q):	
equired an now (Q).	to file and the continue of a continue to a continue to
	Infiltration credit portion of equation is option
$Q = .03 \times CFA + 7.5 \times ($	$N_{br} + 1$) - 0.052 x Q_{50} x S x WSF
equired inputs:	Optional inputs:
FA = Conditioned Floor Area = ft ²	Q_{50} = Blower door test result =
_{br} = Number of bedrooms =	S = Building height factor =
	WSF = Weather and shielding fa
Stories above grade plane 1 2 3	County
S 1.00 1.32 1.55	Barnstable
	Berkshire
	Bristol
	Dukes
Required airflow (Q) = CFM	Essex
	Franklin
Tested airflow = CFM	Hampden
(must be ≥ required airflow)	Hampshire
	Middlesex
□ Fan controlled to operate continuously	Nantucket
	Norfolk
	Plymouth
For officery	Suffolk
Fan efficacy:	
	Worcester
Fan efficacy: □ In-line fan (max 2.8 CFM/W) □ Bathroom/utility room fan: 10-89 CFM (max 1.4 CF	Worcester

County	WSF
Barnstable	0.60
Berkshire	0.52
Bristol	0.54
Dukes	0.59
Essex	0.58
Franklin	0.52
Hampden	0.49
Hampshire	0.59
Middlesex	0.55
Nantucket	0.61
Norfolk	0.52
Plymouth	0.53
Suffolk	0.66
Worcester	0.59

_____Phone: _____

Q₅₀ = Blower door test result = _____ CFM50

WSF = Weather and shielding factor = _____

S = Building height factor = _____

_____ Date: _____

Qualified Performance Testing Providers:

Find qualified performance testers at:

http://nehers.org/find-hers-rater

http://www.resnet.us/directory/search

https://bpi.org/locator-tool/find-a-contractor