

Duct & Building Air Leakage/Ventilation Testing & Compliance Certification Form

HVAC Contractor				HVAC Cert #				
DET Verifier				DET Cert #				
City		State			Zip			
Phone			Email					
Property owner		Phone			Email			
Address	City State			Zip				
Builder/Contractor	Permit #							
	Build	ling Envelope Tiខ្	ghtness Vei	rification				
Fan Flow @ 50	Total Co	Total Conditioned Volume			*ACH ₅₀ Co		Compliant	
System	*Test	Duct Tighti *Max. % Leakage	ness Verific CFM25	ation Floor Area	a (ft²)	% Leakage	Code	Compliant
Duct Testing is Mandatory (IECC R403.3.3) Exception - No test is required where the ducts and air handlers are located entirely within the NTR = No Test Required Maximum Leakage per 100 square feet of conditioned floor area. (IECC R403.3.4) RITnah = Rough in total Leakage with no air handler or furnace installed RIT = Rough in total leakage with air handler or furnace installed					Maximum % Leakage N/A Maximum % Leakage 3% Maximum % Leakage 4%			3%
PCT = Post construction total leakage with system complete PCO = Post construction total leakage to the outside with system complete					Maximum % Leakage			4%
Continuous	Whole House	e Ventilation Red	quirement		*	^k Intermitter	nt Rate	e Factor
Floor Area	Bedrooms	Continuous Ver	ntilation Requ	ired (CFM)	Run-	Time %		Factor
Ventilation Method					Measured CFM		FM	
operation for no	in that determined e mechanical ventil it less than 25% of e inspected the du	in accordance with Tabl ation system is permitte each 4-hour segment an ct work associated v	le M1507.3.3(1) ed to operate in nd the " Continuo with the HVAC	termittently whous Ventilation unit referen	nere the Require ced by	system has contred (CFM)" is mult	rols that iplied by ed abo	enable the " Factor ". ve (if
applicable and where		ound it complies wit ma, known as the A	-		-		dminist	rative
Contractor Signature Date								

Formulas and Tables

Building Envelope Tightness Verification

 $ACH_{50} = (CFM_{50} \times 60) / House Volume$

Duct Tightness Verification

% Duct Leakage = (Total CFM₂₅ / Floor Area Served) x 100

Continuous Whole House Ventilation Requirement

	Reproduce	ed From Table N	/11507.3.3 (1) in th	e 2015 IRC		
Continuo	us Whole - House	Mechanical Ve	entilation System A	Airflow Rate Requ	irements	
Dwelling Unit	Number of Bedrooms					
Floor Area	0 - 1	2 - 3	4 - 5	6 - 7	> 7	
(square feet)	Airflow in CFM					
> 1,500	30	45	60	75	90	
1,501 - 3,000	45	60	75	90	105	
3,001 - 4,500	60	75	90	105	120	
4,501 - 6,000	75	90	105	120	135	
6,001 - 7,500	90	105	120	135	150	
> 7,500	105	120	135	150	165	

Reproduced From Table M1507.3.3 (2) in the 2015 IRC						
Intermittent Whole - House Mechanical Ventilation Facts ^{a,b}						
Run Time Percentage In Each 4 - Hour Segment	25%	33%	50%	66%	75%	100%
Factor ^a	4	3	2	1.5	1.3	1

a. For ventilation system run time values between those given, the factors are permitted to be determined by interpolation.

b. Extrapolation beyond the table is prohibited.

Ventilation Methods

Supply Only	Outside Air Provided By Dedicated Fan
Supply Only	Outside Air Duct to Return Air
Balanced	Outside Air Duct to Return Air w/Interlocked Exhaust Fan
Balanced	Supply and Exhaust Fans
Balanced	Energy Recovery Ventilator (ERV)
Balanced	Ventilating Dehumidifier