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Ventilation Checklist 1—Forced Air Systems Sentence 9.32.3.4(2)

Use this Checklist where forced air heating system ducts intake and distribute ventilation air.

			J			
Civic Address	S			Permit No.		
Climate Zone	:	Number of Bedrooms	(A)	window (minimum dimensions apply)		
	Total	Floor area of living space	ft^2 (B)	closet and a closing interior	or door.	
	Total Into	erior Volume of Dwelling	ft³	Total volume includes a spaces (including crawlsp		
.5 ACH (air changes/hr) = Volume x $0.5 \div$			cfm (C)	Exhaust appliances exceed .5 ACH may require make		
1. Principal V	entilation	n System Exhaust Fan M	Iinimum Air-flow l	Rate		
_		from Box (A) and Total squ			9.32.3.5. to	
Minimum Required Prinicpal Exhaust S			System Capacity	cfm ((D)	
2. Principal S	ystem Fa	n Choice				
a) Exhaust F	an contin	uous running Make	Model	Son	ne Rating	
		_	Capacity		_	
Location:			at 0.2 ESP	cfm (E) Mu	st be \geq than Box (D)	
			If CEV, capac	ity @0.4ESP		
a) Installed		Equivalent Length nt Length:		[
	-	ft + Ext. hood 30 ft + (# elbows at 10) ft each =) =	ft (F)	
b) Choose ty				or Rigid (smooth)) duct \square	
c) Duct size re	quired to	flow Box E cfm through 1	Box F equivalent le	ngth of duct = [
Use Table	e 9.32.3.8	(3) to determine duct size	e.		in Ø	
4. Required K	Kitchen aı	nd Bathroom Exhaust F	ans: Re-list below i	f Principal Exhaust Fa	an meets all or	
part of Kitchen	n/Bathroo	m spot Exhaust requireme	ents.			
	REQUIRED	ЕХ	KHAUST EQUIPMEN	T		
	EXHAUST	Spot Exhaus	t Kitchen & Bath WAL	L/CEILING FANS	Ex.Fan/CEV	
ROOM	Rate Table	Fan Make & Model	CFM *Duct Sizir	ng per Table 9.32.3.8.(3)	Principal	

1		F 1						
	REQUIRED EXHAUST RATE Table 9.32.3.6	EXHAUST EQUIPMENT						
ROOM		Spot Exhaust Kitchen & Bath WALL/CEILING FANS					Ex.Fan/CEV	
		Fan Make & Model		*Duct Sizing per Table 9.32.3.8.(3)			Principal	
KOOW		@ 0.2 ESP Manf. Rated	Duct D rigid	ia (in Ø) flex	Max. Equiv. Length per table	Installed Equiv. Length	System CFM	

^{*} For fan capacities **exceeding** 175cfm in Table 9.32.3.8(3), follow manufacturer's installation instructions or use good engineering practice to size duct. See *Ventilation*

TOTAL (must = Box E)

Guidelines Appendix page 16-A, Duct Sizing for Larger Fans.

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Removed reference to RADON in Make-up Air Requirements

			r Heating for distribution. am of the heating appliance, unless a flow con	ıtrol
Rigid Duct: 4" Ø min	air intake to RA. Choose one imum, must be insulated & vanum, must be insul	vapour barriered for full len		
		ply air to every bedroo	m and any level without a bedroom.	
	nce present, (Choose one)		·	
	grille located in the crawl space, choose ventilation	-	tence 9.32.3.7 (2)	
MAKE-UP AIR Requ	uirements			
1. NAFFVA (Naturally As No, Omit Steps 2 & 3 Yes, Proceed to Step 2	-	l Appliance) present in d	Iwelling unit? (per Sentence 9.32.4.1)	
2. Exhaust Appliance pre		C 0.5 ACH:		
No such appliance. O	Omit Step 3		1 20	
Yes, Commit to Depre	essurization Test (See CA)	UTION, TECA Vent Mai	nual pg 24)	
3. Use Active Make-up Air	r for Exhaust Appliance. (
Make-up Air Fan require		Exhaust App	oliance Actual Installed Cfm Make-up Air Fan Cfm	-
	inches			-
i) Tempering Required p	per 9.32.4.1.(4)(a):		y to room containing the appliance). °C) before entering unoccupied area.	
Make-up Fan cfm	X 1.08 X (34° F –	°F Winter Design	Temp your location) =	(kw)
		3412 BTUH/kw	$\frac{\text{Temp your location})}{\text{Duct He}} = {\text{Duct He}}$	
			grill sizesq. in. Location	
	ng Required per 9.32.4.1.(ill be further tempered t		occupied area: Show calculation and desc	ribe
-	p Fancfm x 1.08 x		=(kw) Heat from unoccupied	larea
<u></u>	3412 BTUH		required to raise temp by	
Tempered by: ——			required to raise temp by	20 1
	ir delivered to an Occup	oied Area: Tempering R	Required. Show calculation how make-up	air will
	x 1.08 x (54° F – _	°F Winter Design	Temp your location) =(kw)	
		12 BTUH/kw	(kw) Duct Heater	
				_
Installer Certification			© March 2015 TECA All Rights	Reserved
I hereby certify that the de		e ventilation system	2012 TECA Ventilation Certification Stamp	
complies with the 2012 B.				\neg
Date	_			
Print Name				
Signature				
Company				
Phone Checklist 1. page2of2				
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