

Ventilation Summary of Design

	Forced Air Equipment	☐ Radiant		nbustion 2020 9.32.3)		
	Carbon Monoxide Alarms (ref: NBC 2020 9.32.3.9; see also the Government of Saskatchewan advisory)					
Со	onditions:					
	Is spillage susceptible e	quipment present in house?	Yes	No		
	Is solid fuel equipment p	resent in house?	Yes	No		
	Is soil gas a problem & r	no mitigation system present?	Yes	No		
	Are carbon monoxide al (ref: NBC 2020 9.32.3.9.; s	arms required? ee also the <u>Government of Saskatch</u> e	Yes ewan advisory)	No		
		f the above, you can select any ty e of more, you cannot have an ex		stem.		
Ту	pe of Ventilation Sy	stem Designed: (choose type	e for use under this	permit)		
		A - Ventilation coupled with forced air, ventilation supply air and supplemental fans. (Mixed-air calculation as per 2020 NBC table 9.32.3.4.(2))				
	B - Ventilation coupled with forced air, heat recovery (HRV) ventilation supply air and supplemental fans.					
	 C - Ventilation not coupled with forced air, with ventilation supply air and supplemental fans. (May require heating of supply air) 					
	D - Ventilation not coupled with forced air, heat recovery (HRV) ventilation supply air and supplemental fans.					
	E - Dual capacity ventilation coupled with forced air ventilation supply air and no supplemental fans – no HRV. (Mixed-air calculation as per 2020 NBC table 9.32.3.4.(2))					
	F - Ventilation coupled with forced air, heat recovery (HRV) ventilation supply air and no supplemental fans HRV must be capable of 2.5 times the principal fan speed and have a pick up in kitchen. Grease filter required if within 10 feet of stove, switch to turn on HRV to high speed in kitchen					
	J - Exhaust only ventilation no ventilation supply air requires a forced air circulation system e stand alone or blower on forced air system. This system cannot be used if house has solifuel, spillage susceptible appliances or soil gas problems. (ref: NBC 2020 9.32.3.6)					
	K - System designe 9.32.3.1.(1)(a))	d to CSA F-326 and any house w	rith six bedrooms or	more. (ref: NBC 2020		



Principle Ventilation System Information: Number of bedrooms: Principal fan exhaust speed range: ______ to _____ One: 32-48 cfm. Two: 36-56 cfm. Three: 44-64 cfm. Four: 52-76 cfm. Five: 60-90 cfm. Six bedrooms and over requires a CSA design. (ref: NBC 2020 9.32.3.3. & table 9.32.3.3.) **Principal Ventilation System Exhaust Information:** Manufacturer/Model: HVI design air flow: ______cfm low / cfm high _____ System F high ventilation rate 2.5 times: _____ Principal Ventilation System Supply Information: (choose type for use under this permit) Supply side of HRV balanced within 10 per cent (systems B,D,F) Fresh air to furnace sized and mixed air calculation to NBC 2020 (ref. NBC 2020 Table 9.32.3.11 a & b) Exhaust only with circulation system (system J) **Supplemental Fans Information:** Bathrooms HRV pick-up: No Bathroom fan (50 cfm minimum) manufacturer/model Kitchen range hood or exhaust fan (100 cfm minimum) with grease filter when required: Yes No _ HVI Manufacturer/Model: HRV pick-up with grease filter if within 3m of stove Yes No (ref: NBC 2020 9.32.3.11) **Make-Up Air Information:** If spillage susceptible equipment is present (Individual make up air is required for every exhaust device.)

Yes

No

Make-up air is not required no spillage susceptible equipment

(ref: 2020 NBC 9.32.3.8.2-8)



Other Exhaust Devices Information:

Make-up air required: If "Yes", the manufacture		No		
Manufacturer/Model: _				
Dryer 150 cfm:	Yes	No		
Other:	Mar	nufacturer/Model:		
Mixed-air required: (Mixed-air calculation a	as per 2020 NBC	Yes table 9.32.3.4. (2))	No	
	e as set out in the		No 3.11.a & b or HRAI ventilation diges y posted on HRV unit.)	ts)
Property Information	tion:			
Address:				
Applicant Informa	ation:			
Company / Name: _				
Address:				
Email:				
Designer:		HRAI Number (i	f applicable):	
Additional Note: Please attach any	designs to this	s summary if applical	ole.	
Date:				
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