Mechanical Design Report Low rise residential Ottawa										
T (* 6	Address House Builder PHOENIX									
Location of Installation	Application Nu	nber H				Но	House Model (if applicable) ANNAPOLIS			
	Name HARDING MECHANCIAL								of Otta	
Installing Contractor	Address 2210 CAVANMORE RD)	
	OTTAWA Postal Code KOA 1LO								t 12:37 pm, Sep	
	Telephone Number Fax Number 613-831-2257 613-831-9011								wish	
SYSTEM DE	SIGN PAR	AMETERS						4	Signature	
Combustion A	ppliances 9.3	32.3.1.(1)			Heating	g Sys	stem			
a) X Direct	vent (sealed	combustion) only			X Fo	rced	Air			
b) Dositiv	e venting ind	uced draft (except	fireplaces)				orced Air (Other)	
· —		nt or induced draft	fireplace				c Space Heat			
d) Solid F	Fuel (includin	g fireplaces)								
e) No Co	mbustion Ap	pliances					ermal (attach loop, p Velocity Residential	ipe & well details) (attach duct details)		
House Type 9	32.3.1.(2)		-		Ventila	tion	System			
X I Type a) or b) appliai	nces only, no solid	l fuel		□ CA	N/C	CSA-F326			
☐ II Type I except with solid fuel (including fireplace) ☐ HRV - Exhaust Ducts / Force							•			
		ice = Part 6 Design	n				Simplified Connect		•	
☐ IV Electric	•						Full Ducting / Not C	•	Forced Ai	r System
Other: No fo		•	AUTO C		□ Pa	rt 6 I	Design (Other)		
Total Ventilati		REQUIREMEN	NIS					TC	TAL	
Master Bedroor		9.32.3.3.(1) 1	x 1	0 L	/c –		10 L/s	10	IAL	
Unfinished Bas	=	1	-	0 L		-	10 L/s			
	-		_			_		05		TVC
Other Habitable Rooms 15 x 5 L/ Principal Ventilation Capacity 9.32.3.4.(1)		·s –	-	75	95		T.V.C.			
•	•	• • • • • • • • • • • • • • • • • • • •	v 1	5 T	/c –		15			
Other Bedroom	Master Bedroom 1 x 15 L Other Bedrooms 3 x 7.5 L				_	22.5	_	37.5	P.V.C.	
omer Beardon	_		-							-
Required Supplemental Ventilation Capacity (T.V.C. less P.V.C.) =57.5										
Furnace size:	GM	EC961004CN 100	00,000 BTU	J'S_				KJ		
Air conditione	r size:	GSX16048	3 4.0 TON_				KJ (If I	provided /	applicable))
Heating / Cooli	ng Equipmen	t sized according	to heat loss/	gai	n calcula	tions	of CAN/CSA F280	: Yes		
Geothermal Equipment designed according to CAN/CSA-C448.2:							No			
Hydronic Equipment designed according to CAN/CSA-B214:						No				
Duct (and pipe) schematic attached including sizes, runs and material used: Yes VENTILATION EQUIPMENT										
Heat Recovery										
Model: CLEAN COMFORT VH70200ESNC HRV										

Commented [LM1]:

Building Code Services Jan 2020

95 L/s High 47.5 L/s Low

Exhaust	Fans
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	Location	Model	L/s	Sones	Principal or Supplemental
1	PDRM	DX90	45	2.5	PRINCIPAL
2	ENSUITE	EC50	25/25	3.	SUPPLEMENTAL
3	BATH1	EC50	25	3.	SUPPLEMENTAL
4	BATH 2	EC50	25	3.	SUPPLEMENTAL

EQUIPMENT EFFICIENCIES (Please also refer to Energy Efficiency Design Summary)

Heating system:

Cooling system (if applicable):

Water heater:

HRV: 75 % sensible efficiency at 0 degrees:

60 % sensible efficiency at -25 degrees:

DESIGNER CERTIFICATION

I hereby certify that this ventilation system has been designed in accordance with the 2012 Ontario Building Code.

Company Name: HARDING MECHANICAL

Name: LINDA MCPARLAN Company Name: HARDING MECHANICAL

Signature: Date: JULY 20/21 BCIN 24379 HRAI # 6080

City of Ottawa

REVIEWEDBy rossgr1 at 12:37 pm, Sep 02, 2021

Building Code Reviewed

Building Code Services Jan 2020