Schedule 1: Designer Information

Use one form for each individual who reviews and takes responsibility for design activities with respect to the project.

A. Project Information					
Building number, street name				Unit no.	Lot/con.
Municipality	Postal code	Plan number/ other desc	ription		
INNISFIL		. "			
B. Individual who reviews and takes r	esponsibility for	design activities			
Name		Firm			
MICHAEL O'ROURKE Street address		HVAC DESIGNS LTD.	Unit no.		Lot/con.
375 FINLEY AVE			202		N/A
Municipality	Postal code	Province	E-mail		
AJAX	L1S 2E2	ONTARIO	info@hvacd		
Telephone number (905) 619-2300	Fax number (905) 619-2375		Cell number		
,	` '		Ľ		
C. Design activities undertaken by inc	lividual identifie	d in Section B. [Build	ing Code 1:	able 3.5.2.1 OF Divis	ion C]
☐ House	⊠ HVAC	– House		☐ Building Structura	al
☐ Small Buildings	Building	g Services		Plumbing – Hous	e -
☐ Large Buildings ☐ Complex Buildings	☐ Detecti	on, Lighting and Pov		☐ Plumbing – All Bi ☐ On-site Sewage	
Description of designer's work	<u> </u>	Model:		On-site Sewage	
HEAT LOSS / GAIN CALCULATIONS		wiodei.	40-1		
DUCT SIZING					
RESIDENTIAL MECHANICAL VENTILATION		ARY Project:	ALCONA		
RESIDENTIAL SYSTEM DESIGN per CSA-I	-280-12				
D. Declaration of Designer					e and an extensive August (Sur)
I . MICHAEL O'ROURKE (pri	nt name)		declare	that (choose one as ap	propriate):
I review and take responsibility fo Division C, of the Building Code. classes/categories.	r the design work of am qualified, and	on behalf of a firm register the firm is registered, in th	ed under sub ne	section 3.2.4.of appropriate	
Individual BCIN: - Firm BCIN: -					
I review and take responsibility fo designer" under subsection 3.2	r the design and ar .5.of Di visio	n qualified in the appropri on C, of the Building Code		as an "other	
Individual BCIN: Basis for exemption fr	19669 om registration and	qualification:	O.B.C SE	ENTENCE 3.2.4.1	<u>(4)</u>
The design work is exempt Basis for exemption from registra		on and qualification requinon:	rements of the	e Building Code.	
I certify that:					
The information contained I have submitted this applicate	in this scheduion with the knowle	ule is true to the best of medge and consent of the fi	y knowledge. rm.		
June 22, 2017			Mah	lat Kale	
Date	•		Acc. sec.	Signature of Des	igner

NOTE:

^{1.} For the purposes of this form, "individual" means the "person" referred to in Clause 3.2.4.7(1) d).of Division C, Article 3.2.5.1. of Division C, and all other persons who are exempt from qualification under Subsections 3.2.4. and 3.2.5. of Division C.

^{2.} Schedule 1 is not required to be completed by a holder of a license, temporary license, or a certificate of authorization, issued by the Ontario Association of Architects. Schedule 1 is also not required to be completed by a holder of a license to practise, a limited license to practise, or a certificate of authorization, issued by the Association of Professional Engineers of Ontario.

INDIAIDNAL BCIN: 19669 MICHAEL O'ROURKE

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BUILDER: BRYVIEW WELLINGTON TYPE:48-1 GFA: 3103 LOSS GAIN						00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0		0 0 0 0 0 0 22 0 52 0 52 0 52 0 0 52 0	0 161 0 63 60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 31 0 0 0 0 0 0 0	0 0 0 72 77 869 87 0 19 0 781 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 781 0 601 0 02.0	106 0 240 0 1657 0 0 1667 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	188	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	909 25 270 270 270 270 270 270 270 270 270 270	681 007 871 0 0 0 225 0 0 677 0 0 677 0 0 0 0 0 0 0 0 0 0 0 0 0	0 26 0 142 0 111 2.0			0 891 0 0 0 2711 2711 0 0	0 287 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 236 0 0 0.20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 7181 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 278 0 878 0 0 0 0.20	2.101 6.101 7.0 7.0 6.0 6.0	8.04 9.72 9.6 9.7 9.7 9.7 8.2 8.2	DOORGE DOORGE NET EXPOSED NAME DOORGE NAME
BUILDER: BRYVIEW WELLINGTON TYPE: 48-1 TOSS GRIN LOSS GRIN LOSS GRIN NORTH REAL MANUEL AREA GRIN LOSS GRIN						00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0		0 0 0 0 7 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0 0 161 0 63 60 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 72 77 869 87 0 19 0 781 0	0 0 0 1191 0 0 1191 0 1191 0 1191 0 1191 0 1191 0	0 0 781 0 301 0 0.05.0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	188	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	909 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	681 0007 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	303 0 0 287 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	13 0 0 236 0 0 0 0 0 0 0 0 0	0 0 5291 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38 0 278 0 0 0 0 0.20	2.101 6.101 7.0 7.0 6.0 6.0	8.04 8.04 8.72 8.9 8.0 8.0 8.0 8.0	METEXPOSED WALL DOORS BYNLI. DOORS METEXPOSED WALL EXPOSED CLG SUBTIC EXPOSED CLG CARIN DUCT CGNIN HERT GAIN PEOPLE PLOSS PLOSS PLOS
BUILDER: BRYVIEW WELLINGTON TYPE: 48-1 CFA: 3103 LOSS GAIN						C C C C C C C C C C C C C C C C C C C	28 82 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 161 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 72 77 869 87 0 19 0 0 0 0	0 0 0 0 148 0 293 0 0 1611 0 0 257 0 1611 0	0 0 0 781 0 301 0 0.001	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	183	210 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	909 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1886 1488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 303 0 1148 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 132 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1873 0 0 0 2087 0 0 0 0 2087 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 9888 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 278 0 0 0 0 0.20	7.42 4.14 7.01 7.0 7.0 6.0 6.0 6.0	25.5 40.8 72.6 4.9 5.9 7.0 7.0 7.0 8.2 8.2	HTUOS WEST BAYLT: DOORS WETERPOSED BSMIT WITH LEBOVE GE EXPOSED FLOORS SUBTOTAL HETLOSS SUBTOTAL HETLOSS SUBTOTAL HETLOSS SUBTOTAL HETLOSS MIR CHANGE HEATLOSS MIR CHANGE HEATLOSS DUCT GAIN DUCT GAIN HEAT GAIN HEAT GAIN PROPLE HEAT GAIN HEAT GAIN DUCT GAIN HEAT GAIN HEAT GAIN DUCT GAIN HEAT GAIN HEAT GAIN HEAT GAIN DUCT GAIN HEAT GAIN
BUILDER: BAYVIEW WELLINGTON TYPE: 48-1 GFA: 3103 LO# 74600 SUMMER NA TURAL RIR C 0.087 HEAT GAIN OF 12 SB-12 PACKAGE GRS. WALL AREA GAIN 410 270 108 136 261 198 46 46 163						98 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 18 0 0 0 0 0 0	0 0 0 72 77 869 87 0 0 0 0 0 997	0 0 0 148 0 148 0 0 1611 0 0 1611 0 0 0 0 1611 0 0 0 0	0 0 0 781 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	254 (20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25 200 2 200 200 200 200 200 200 200 200	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 303 0 1148 0 0 2250 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 13 0 236 0 204 0 0 0 0 0 0 0	0 0 0 1923 0 0 0 5092 1923 0 0 0 5092 0 1923 0 0 1923 0 0 1923 0 0 1923 0 0 1923	0 6888 0 0 7f81 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 88 0 0 278 0 0 0 0	41.4 7.42 41.4 101.3 7.0 7.0 6.0 0.6	6.62 6.62 6.62 6.4 6.7 6.6 6.4 6.7 6.6 7.9 8.2 8.2	TEAST WEST
BUILDER: BAYVIEW WELLINGTON						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 18 0 0 0 0 0 0	0 0 0 72 77 869 87 0 0 0 0 0 997	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 697 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 L L L L L L L L L L L L L L L L L L L	P2 P3 P3 P3 P3 P3 P3 P3	22 0.0 02.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	\$200 \$200 \$200 \$200 \$200 \$200 \$200 \$200	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 8628 0 0 0 877 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0752 0053 0053 0053 0053 0053 0053 0053 00	22 0 0 13 0 0 236 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 6888 0 0 6888 0 0 0 0 0 0 0 0 0 0 0 0	0 88 0 0 278 0 0 0 0	41.4 7.42 41.4 101.3 7.0 7.0 6.0 0.6	6.62 6.62 6.62 6.4 6.7 6.6 6.4 6.7 6.6 7.9 8.2 8.2	NORTH EAST WEST WEST WEST WEST WEST WEST WEST WE
BUILDER: BRYNIEW WELLINGTON TYPE: 48-1 GFA: 3103 LO# 74600 SUMMER NA TURAL RIRC CHANGE RATE 0.087 HEAT GAIN OF F. 12 SB-12 PACKAGE ROOM USE MBR ENS-3 BED-4 BED-4 BATH WIC-2 ENS-3 EXP. WALL 41 30 12 6 9 9 9 CLG. HT. 10 9 9 9 9 9 9						25 692 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 18 0 0 0 0 0 0	0 0 0 72 77 869 87 0 0 0 0 0 997	200 C SSSOT	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 L L L L L L L L L L L L L L L L L L L	100 000 000 000 000 000 000 000 000 000	22 0.20 0.00 0.00 0.00 0.00 0.00 0.00 0	25 200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1889 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 8628 0 0 0 877 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22 0 0 13 0 0 236 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 88 0 0 278 0 0 0 0	8.81 4.14 7.42 4.14 7.101 7.0 7.0 6.0	6.62 6.62 6.62 6.63 6.64 6.64 6.64 6.64 6.64 6.64 6.64	GLAZING WORTH EAST WORTH WEST WEST WEST WITTE WEST
BOILDER: BRYVIEW WELLINGTON TYPE: 48-1 GFA: 3103 LO# 74600 SUMMER NA TURAL AIR CHANGE RA TE 0.087 HEAT GAIN ΔT°F; 12 SB-12 PACKAGE RA TE 0.087 HEAT GAIN ΔT°F; 12 SB-12 PACKAGE RA TE 0.087 HEAT GAIN ΔT°F; 12 SB-12 PACKAGE RA TE 0.087 HEAT GAIN ΔT°F; 12 SB-12 PACKAGE RA TE 0.087 HEAT GAIN ΔT°F; 12 SB-12 PACKAGE RA TE 0.087 HEAT GAIN ΔT°F; 12 SB-12 PACKAGE RA TE 0.087 HEAT GAIN ΔT°F; 12 SB-12 PACKAGE RA TE 0.087 HEAT GAIN ΔT°F; 12 SB-12 PACKAGE RA TE 0.087 HEAT GAIN ΔT°F; 12 SB-12 PACKAGE RA TE 0.087 HEAT GAIN ΔT°F; 13 SB-12 PACKAGE RA TE 0.087 HEAT GAIN ΔT°F; 14 SB-12 PACKAGE RA TE 0.087 HEAT GAIN ΔT°F; 15 SB-12 PACKAGE RA TE 0.087 HEAT GA						25 692 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 18 0 0 0 0 0 0	0 0 0 72 77 869 87 0 0 0 0 0 997	200 C SSSOT	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 L L L L L L L L L L L L L L L L L L L	100 000 000 000 000 000 000 000 000 000	22 0.20 0.00 0.00 0.00 0.00 0.00 0.00 0	25 200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1889 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 8628 0 0 0 877 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22 0 0 13 0 0 236 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 88 0 0 278 0 0 0 0	8.81 4.14 4.14 4.14 4.10 7.10 1.4 7.0 6.0 6.0	23.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5	ABASAMALLAREA BASAMALLAREA BASAMALA METERPOSED BANTANIA METERPOSED METERPOSE
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999 201 955 0 0 0	8 8 8 8 01	x x x x x x	15 14 15 0 0 0	0 0 0 1.11 7.81 7.81	90.0 90.0 90.0 90.0 90.0	9011 072 090 0911	ТВОИК И ТВОИК У ТВОИК У ТВОИК У ТВООР ВВОР	861 61.0 641 641 7 7 8 8 7	0 X 0 0 08.41 1 0 1 9.0 0	0 0 08.41 0 1 0 0	0 0 08.41 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 1 0 0 0 0	0 0 08.41 0 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 871 081 72 081 715 70.0 715 8 8	0 9 9 9 9 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1	0 t 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 0 0 21 24 241 241 88 8.0 8 8	0 0 0 0 0 0 0 0 0 0	RETURN AIR# MR YOLUME PICTUAL DUCT LGH. FOUNTLENT LENGTH TOTAL EFFECTIVE LH ROUND DUCT SIZE ROUND SIZE ROUN
CLOCITY (ff/min) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	X X X X X	PECT DUCT 0 0 0 0 0	ВОПИБ В В В В В В В В В В В В В В В В В В В	9IZE 3TATIC PRESS 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05	IR TRUNK О О О О ТВОИК	АЕТИВИ Р ТВИИК О ТВИИК О ТВИИК О ТВИИК В ТВИИК В ТВИИК В ТВИИК В ТВИИК В	VELOCITY O O O O O O O O O O O O O	8 8 8	X X X X X	рист 0 0 0 0 0 0 0	ВООИВ В ВОСТ О О О О О	O.00 00.0 00.0 00.0 00.0 00.0 00.0 00.0	0 0 0 0 0 0 СЕМ ЦВЛИК	TRUNK L TRUNK H TRUNK I TRUNK I TRUNK I TRUNK G		166 689 633 662 633 638 ((Mwin) ALLOGITY	8 8 8	x x x x x	PECT BUCT 8 10 18 10 12 12	воимр 8 9.2 12.4 8.9 10.4 16.4	SESTATE 60.0 70.0 70.0 80.0 80.0 70.0	1105 746 746 736 736 536 533 536 536	SUPPLY BIR TRUNK SIZE TRUNK B NUNT TRUNK C TRUNK C TRUNK D TRUNK D TRUNK D
																				28 BAS 0.14 0.14 0.17 34 0.14 13 0.14 13 0.14 13 0.14 13 13 12 13 13 13 13 13 14 15 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	27. BAS 9.013 9.013 13.00.13 13.00.13 14.09 7	2017 100 100 100 100 100 100 100	25 8AS 95 10 177 170 177 170 171 170 171 170 170	# NUM # NUM # NUM # NUM # NOM MAME RM LOSS MBH. CFM PER RUN HEAT RM CANI MBH. CFM PER RUN COOLUNG ADUIVALENT LENGTH EQUIVALENT LENGTH TOTAL EFFECTIVE LENGTH ADUIVALENT ERNORTH RENGTH FOUND DUCT SIZE HOTH ROLL SIZE HOTH S
42 40 60 40 60 60 61 62 63 64 65 65 65 65 65 65 65 65 65 65	C 382.10 C 344 344 344 130 112 120 112 35 1100 1100 1100 1100 1100 1100 1100 1	22 HTA1 2.0 5.63 160 0.09 160 200 160 200 184 184 200 184 200 200 200 200 200 200 200 200 200 20	12 0.90 14 0.90 130 130 130 130 14 0.09 186 187 187 187 187 187 187 187 187	200 EB 3X10 B 5X10 B 5X10 B 5X10 C 6X C 6	19 64 0.12 3.57 110 147 0.12 5 64 0.12 64 0.12 64 0.12 64 0.12 64 0.12 64 0.12 64 0.12 64 0.12 64 0.12 64 0.12 64 0.12 64 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13	81 86.0 80.0 2 80.0 2 71.0 23 71.0 21 4 01X 83 811	240 366 366 366 36 36 36 37 36 37 36 36 36 36 36 36 36 36 36 36 36 36 36	100 19 19 19 19 19 19 19 19 19 19 19 19 19	15 KT/FM 3.27 86 0.16 43 6531 86 0.16 43 86 631 86	3X10 923 120 120 120 120 120 120 120 120 120 120	21.2 21.2	21.2 345 345 345 345 345 345 345 345	0000 0000 0000 0000 0000 0000 0000 0000 0000	01 MBR 2.05 2.05 2.15 6.05 7.10 6.05 7.10 6.05 7.10 6.05 7.10 8.05 7.10 8.05 7.10 8.05 7.05 8.05 7.05 8.0	0 0 1 2 2 6 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	8 23210 500 500 500 500 500 500 500 500 500 5	7 AB/TH 20 20 20 30 60 60 60 170 812 170 813 184 3710 184	9 01X8 10X 02X 10X	2018 3010 120 120 120 120 120 120 120	4 20.2 20.2 60.0 61 60.0 60.0		20007 143 20007 160 24 0.17 76 160 160 173 143 26 160 173 173 173 173 173 173 173 173 173 173	1 20.2 30.2 31.2 66 71.0 68 10.0 69 10.0 69 77.2 3 77.4	* NUM * NUM * NUM * NUM ROOM WAME RM LOSS MBH COS MBH
∃.	000,88 000,88	= 8 (BTU/H) = 1 (BTU/H) = 1 (B. CFM = 2 (CFM (Q. CFM)	OUTPUT		1252 1522 1102 0 0 0 0		N ∃W	פר		71.0 20.0 21.0		r/a I grille pre		2.0 2.0 36.0 81.0 20.0 81.0	ace filter pressure s/a & r/a ssure s/a ess. loss ssure s/a	a/c coil i g aldaliav for for mum pres	ble ple		36,646	LING CFM SEATE CFM 1st 8 2 2 LUCK 1st 1st 1st 2 1st 2 1st 1st 2 1st 1st	H JATOT MOJA R LONG L	3rd 0 0 0 otherwis	10.81 10.81 0 0 opton ese	MTADAN HEATUG COM TOTAL HEAT LOSS AIR FLOW RATE CFM AND COUNT A/S A/S A/A A/A A/A A/A A/A A/A A/A A/A



0 # 74600

375 Finley Ave. Suite 202 Ajax, ON L1S 2E2
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TYPE: SITE NAME: 48-1 ALCONA

RESIDENTIAL MECHANICAL VENTILATION DESIGN SUMMARY

HER DESIGNER" UNDER DIVISION C. 3.2.5 OF THE BUILDING CODE.	ROPRIATE CATEGORY AS AN "OTH	FIED IN THE APP	UALLO MA CIVALI	DESIG	I REVIEW AND TAKE RESPONIBI	ſ
June-17	Date:		<u>a</u>	TOTAL 79.5		
001820	HRAI #	cfm	95.4		5 Bedroom	
Michael House	Signature:	cfm	79.5		4 Bedroom	
HVAC Designs Ltd.	Name:	cfm	63.6		3 Bedroom	
hereby certify that this ventilation system has been designed in accordance with the Ontario Building Code.	I hereby certify that this ventilation system has in accordance with the Ontario Building Code.	cfm	47.7		2 Bedroom	
	DESIGNER CERTIFICATION	얆	31.8		1 Bedroom	
Fax #;	Telephone #:	9.32.3.4.(1)		REQUIRED	PRINCIPAL VENTILATION CAPACITY REQUIRED	70
	City:					
	Address:	cfm	190.8	TOTAL	Table 9.32.3.A.	
	Name:	cfm	63.6	6 @ 10.6 cfm	Other Rooms	
TOR	INSTALLING CONTRACTOR	cfm	53	5 @ 10.6 cfm	Kitchen & Bathrooms	
Fax #:	Telephone #:	cfm	31.8	3 @ 10.6 cfm	Other Bedrooms	
	City:	cfm	42.4	2 @ 21.2 cfm	Basement + Master Bedroom	
	Address:	9.32.3.3(1)			TOTAL VENTILATION CAPACITY	ㅋ
	Name:	-		5	Part 6 Design	
BAYVIEW WELLINGTON	BUILDER:			HRV with Ducting/non forced air system	4 HRV with Duo	
Building Permit #	Roll #		system	HRV Simplified/connected to forced air system	3 HRV Smpline	
	Address			HRV with Ducting/Harced Air System	J L	
• Plan:	Township					
Concession	Lot		,	Exhaust ophyllograd Air Cyctom	O TO I DRIVE DESIGN OF HONO	4
LATION	LOCATION OF INSTALLATION	2 2 2			VOTEM DESIGN OBTIONS	9 [
@ 32 deg F (0 deg C)				orced air	Other: Type I, II or IV no forced air	
% Sensible Efficiency ✓ HVI Approved	75			Type I, or II with electric space heat	IV Type I, or II w	
VANEE 60H-V+ 50 cfm low	Model: 139			pplance		
TILATOR 9.32.3.11.	HEAT RECOVERY VENTILATOR		replaces)	Type I except with solid fuel (including fireplaces)	II Type I except	
50 🗸	WR				:	
QTXEN050C 50	BATH ENS-3		<u>w</u> .	Type a) or b) appliance only, no sold fuel	「Ype a) or b)	
20 V	ENS	9.32.1(2)			HOUSE TYPE	Ŧ
NUTONE	SUPPLEMENTAL FANS					
83 F X 1.08 X	139.0 CFM X				Electric Space Heat	
PRINCIPAL EXHAUST HEAT LOSS CALCULATION OFM AT T FACTOR \$1.088	PRINCIPAL EXHAUST H		¥	Non Forced Air	Forced Air	
n 3.0 sones	139.0 cfm				HEATING SYSTEM	E
VANEE 60H-V+ Location: BSMT	Model:				e) No Combustion Appliances	
FAN CAPACITY	PRINCIPAL EXHAUST FAN CAPACITY			ces)	d) Solid Fuel (including fireplaces)	_
apacity 51.8 cfm	Required Supplemental Capacity			iced draft gas fireplace	c) Natural draft, 8-vent or induced draft gas fireplace	
pacity 139 cfm	Less Principal Ventil. Capacity			aft (except fireplaces)	b) Positive venting induced draft (except fireplaces)	
190.8 cfm	Total Ventilation Capacity			tion) orly	a)	
TLATION CAPACITY 9.32.3.5.	SUPPLEMENTAL VENTILATION CAPACITY	9.32.3.1(1)			COMBUSTION APPLIANCES	Ω



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MODEL: SFQT: 48-1 3103 #O# HEAT LOSS AND GAIN SUMMARY SHEET 74600 **BUILDER: BAYVIEW WELLINGTON** SITE: ALCONA

DESIGN ASSUMPTIONS

LENGTH: 52	FOUNDATION CONFIGURATION	INTERIOR LIGHTING LOAD (Btu/h/ft²):	INTERNAL SHADING:	HOUSE VOLUME (ft³):	WIND EXPOSURE:	AIR TIGHTNESS CATEGORY:	AIR CHANGES PER HOUR:	FRONT FACES:	ATTACHMENT:	BUILDING DATA	HEATING OUTDOOR DESIGN TEMP. INDOOR DESIGN TEMP.
52.0 ft V	NFIGURATION	IG LOAD (Btu/h/ft	lG:	ft³):		TEGORY:	HOUR:				TEMP.
WIDTH:		·2):	BLINDS/CURTAINS	4	SHEL	AV			DET		
40.0 ft	BCIN_1	1.27	RTAINS	41847.0	SHELTERED	AVERAGE	3.57	EAST	DETACHED		°F -11 72
EXPOSED PERIMETER:	DEPTH BELOW GRADE:	DC BRUSHLESS MOTOR (Y/N):	ASSUMED OCCUPANTS:	ASSUMED (Y/N):	ASSUMED (Y/N):	ASSUMED (Y/N):	ASSUMED (Y/N):	ASSUMED (Y/N):	# OF STORIES (+BASEMENT):		COOLING OUTDOOR DESIGN TEMP. INDOOR DESIGN TEMP. (MAX 75°F)
184.0 ft	6.0 ft	~	Un	~	~<	~	~	~	ω		°F 84 72

2012 OBC - COMPLIANCE PACKAGE		
	Compliance Package	Package
Component	A1	
	Nominal	Min. Eff.
Ceiling with Attic Space Minimum RSI (R)-Value	09	59.22
Ceiling Without Attic Space Minimum RSI (R)-Value	31	27.65
Exposed Floor Minimum RSI (R)-Value	31	29.8
Walls Above Grade Minimum RSI (R)-Value	22	17.03
Basement Walls Minimum RSI (R)-Value	20 ci	21.12
Below Grade Slab Entire surface > 600 mm below grade Minimum RSI (R)-Value		1
Edge of Below Grade Slab ≤ 600 mm Below Grade Minimum RSI (R)-Value	10	10
Heated Slab or Slab ≤ 600 mm below grade Minimum RSI (R)-Value	10	11.13
Windows and Sliding Glass Doors Maximum U-Value	0.28	1
Skylights Maximum U-Value	0.49	1
Space Heating Equipment Minimum AFUE	0.96	ŀ
HRV Minimum Efficiency	75%	1
Domestic Hot Water Heater Minimum EF	0.8	1

INDIVIDUAL BCIN: 19669 MICHAEL O'ROURKE

Mariona



Residential Foundation Thermal Load Calculator

Supplemental tool for CAN/CSA-F280

1933		Heating Load (Watts):
Foundation Loads	Founda	
	Г	Heating Month
Design Months	Design	
	33	Fluid Temperature (°C):
	0	Heated Fraction of the Slab:
Radiant Slab	Radi	
	1.9	Door Area (m²):
	3.5	Window Area (m²):
Insulation Configuration	1.83	Depth Below Grade (m):
	2.7	Wall Height (m):
	0.0	Exposed Perimeter (m):
	12.2	Floor Width (m):
	15.8	Floor Length (m):
Foundation Dimensions	undatio	Foi
Normal (7-10 m, 23-33 ft)	Normal (Water Table:
Normal conductivity: dry dand, loam, clay	Normal c	Soil Conductivity:
Description	Site Do	
	Barrie	Region:
	Ontario	Province:
Weather Station Description	her Stat	Weat

TYPE: 48-1 LO# 74600



Air Infiltration Residential Load Calculator

Supplemental tool for CAN/CSA-F280

	7	0.087	0		Rate (ACH/H):	Cooling Air Leakage Rate (ACH/H):
	2	0.332	0		Rate (ACH/H):	Heating Air Leakage Rate (ACH/H):
		Š	Rate	ation	Natural Infiltration Rates	
	0	0	0	0		Diameter (mm):
	#4	#3	#2	#1		Flue #:
				ize	Flue Size	
65.6			65.6			
Total Exhaust		рlу	Total Supply	То		Mechanical Ventilation (L/s):
ACH @ 50 Pa				3.57		
1579.6 cm²			ELA @ 10 Pa.	ELA @		Custom BDT Data:
H)	Present (1961-) (3.57 ACH)	51-) (3	nt (196	Prese		Air Tightness Type:
			atior	/entil	Air Leakage/Ventilation	
			0	1185.0		House Volume (m³):
				Full		Foundation:
				Two		Number of Stories:
			hed	Detached		Туре:
			ation	figura	Building Configuration	
				6.71		Highest Ceiling Height (m):
				Heavy		Flue:
				Heavy		Walls:
		rest	Suburban, forest	Subur		Building Site:
			υq	eldin	Local Shielding	
				10		Anemometer height (m):
	grass	rrain,	Open flat terrain, grass	Open		Weather Station Location:
				Barrie		Region:
			ö	Ontario		Province:
		on	cripti	า Des	Weather Station Description	

TYPE: 48-1 **LO#** 74600





