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 des	cription	
INNISFIL			,	
B. Individual who reviews and t	akes responsibility f	or design activities		
Name	VIII	Firm	ot manne 7-tille i Francisco (francisco)	ONES THE RESERVE COME TO SERVE STATE OF THE SERVE S
MICHAEL O'ROURKE Street address		HVAC DESIGNS LTD.		
375 FINLEY AVE			Unit no. 202	Lot/con.
Municipality	Postal code	Province	E-mail	N/A
AJAX	L1S 2E2	ONTARIO	info@hvacdesigns.ca	
Telephone number	Fax number		Cell number	
(905) 619-2300	(905) 619-2375		()	
C. Design activities undertaken	by individual identifi	ied in Section B. [Build	ing Code Table 3.5.2.	1 OF Division C1
		The second secon		The second secon
☐ House☐ Small Buildings		C – House		Structural
☐ Large Buildings		ng Services tion, Lighting and Pov	☐ Plumbir ver ☐ Plumbir	ng – House ng – All Buildings
☐ Complex Buildings	☐ Fire P	rotection	☐ On-site	Sewage Systems
Description of designer's work		Model:	TH-7E	
HEAT LOSS / GAIN CALCULATIONS DUCT SIZING				
RESIDENTIAL MECHANICAL VENTI	LATION DESIGN SUMN	MARY .		
RESIDENTIAL SYSTEM DESIGN per		Project:	ALCONA	
D. Declaration of Designer	San San San San San San San San			
MICHAEL O'ROUR			declare that (choose	e one as appropriate):
	(print name)		·	
I review and take responsit Division C, of the Building C classes/categories.	oility for the design work Code. I am qualified, and	on behalf of a firm register I the firm is registered, in th		.of propriate
Individual BCIN Firm BCIN:				
I review and take responsible designer" under subsection	oility for the design and a ion 3.2.5.of Di visi	im qualified in the appropria on C, of the Building Code.	ate category as an "other	
Individual BCIN				
Basis for exemp	tion from registration an	d qualification:	O.B.C SENTENCE	3.2.4.1 (4)
☐ The design work is exempt Basis for exemption from re	from the registrat gistration and qualificati	tion and qualification requir	ements of the Building Co	de.
I certify that:				
 The information contain I have submitted this approximation 		ule is true to the best of my edge and consent of the fir	v knowledge. m.	
June 14, 2018			Michael OK	nunhe.
Date		•	Signat	ture of Designer
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.

INDIVIDUAL BCIN: 19669

73

918

3065

0.28 89

0.20

0.28

0.20

0.28 848

0.20

0.28 480 222

0.20

0.28 124

0.20

0.28

22

0.20

0.28 577

0.20

909

1372

0 0 88

0 0 0 0 0 0 0

BASEMENT/CRAWL HEAT LOSS

SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCTLOSS **DUCT GAIN**

0 210 0

34

1502

4

35

87

23

186

0 139 0 184 0 0 323

0 0 0 1456

0 430 0 0 1738

32 0

225

154

138

0 0 0 0 0

3.1 0.5 0.4 1.1 0.3

NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR

4.9 3.9 1.4 3.0 2.8

10/24/2018 9:02:54 AM kbayley

0 0 0 0 0 0 0 0 0 0

0 0 0 0 8

454 0 202

LOSS

126 .OSS

GAIN

0 955 303

342 .05S

63 LOSS

GAIN

0 652 0 0 1138

0

23.3 23.3 40.8

EAST

NORTH SOUTH WEST

GLAZING

0 0 233

27.6

SKYLT. DOORS **NET EXPOSED WALL**

261 LOSS

GAIN 15.0 40.5 23.9 40.5

LOSS 23.3 23.3

FACTORS

MBR 29 9

0 6

4 6

929 .O.S.S 653 0 524 0 0 20 0 133 933 0005000 243 LOSS 27 9 0

0 0 0 130 0 0 0 553

000133000

1202

0 0 0 0 0 0 0 0 0 0

0 669 3244 0 0 0 0 0

0 28 80 0 0 0 0 0 0

15.0 40.5 23.9 40.5 99.8 3.1 0.5 0.5

27.6

WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG

4.9 3.9 1.4 3.0

SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER

EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS AIR CHANGE HEATLOSS AIR CHANGE HEAT GAIN

DUCTLOSS **DUCT GAIN**

0000

772

0 0 0 0 0 0 0

-055

-0.55

GAIN

MUD 85

. 한 한 한

W/R 27 10

130

270 LOSS

480 -OSS

GRS.WALL AREA LOSS GAIN

23.3 23.3 23.3 23.3 40.8

NORTH EAST

GLAZING

FACTORS

0 0 652 1864

80

2423

4039

3290

63

818

3127

158

874

2662

TOTAL HT GAIN x 1.3 BTU/H

ROOM USE EXP. WALL CLG. HT.

KTIFM

48 0

2440

2045

169 240 501

0 240 501

230 240 501

0 0 0

0 480 501

240

HEAT GAIN PEOPLE HEAT GAIN APPLIANCE SALIGHTS
TOTAL HT LOSS BTUM

454

4839 993

0 0 0 1.11 0.50 0 . .

43

119

191

633

706

4113

0.42

0.30

1808

0 0 0 0 4333

157

0

0 0 2

240

HEAT GAIN PEOPLE

HEAT GAIN APPLIANCE SAIGHTS TOTAL HT LOSS BTU/H TOTAL HT GAIN x 1.3 BTU/H TOTAL HEAT GAIN BTUIH:

0.42

24

0.30

0.42 699

0.30

0.42

0.30

0 0 0 0 0 0

0 0 0

0 0 1761

TOTAL COMBINED HEAT LOSS BTUIH: 40161

861

1291

11391

1083

0

0 0 5

0

000

0

2445

2273

2495

953

LOSS DUE TO VENTILATION LOAD BTU/H: 1786

TONS: 2.09

25136

6203

6141

STRUCTURAL HEAT LOSS: 38375

I REVIEW AND TAKE RESPONSIBILITY FOR THE DESIGN WORK AND AM QUALIFIED IN THE APPROPRIATE CATEGORY AS AN "OTHER DESIGNER" UNDER DIVISION C, 3.2.5 OF THE BUILDING CODE.

375 Finley Ave. Suite 202 Ajax, ON L1S 2E2 Tel: 905.619.2300 Fax: 905.619.2375 Web: www.hvacdesigns.ca E-mail: info@hvacdesigns.ca

CSA-F280-12 SB-12 PACKAGE A1

83

HEAT LOSS ∆T °F. HEAT GAIN ∆T °F.

0.342 0.076

WINTER NATURAL AIR CHANGE RATE SUMMER NATURAL AIR CHANGE RATE

DATE: Jun-18 LO# 78875 BED-4

BED-3

GFA: 1918

TYPE

BUILDER: BAYVIEW WELLINGTON

ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA

SITE NAME: ALCONA

HV/A DESIGNS LTD.

24 BASS 4.16 87 0.72 23 0.16 26 130 156 0.1 6 6 444 117 CC Ļ. DESIGN CFM = 800 CFM @ .6 " E.S.P. AFUE = 96 % INPUT (BTU/H) = 44,000 OUTPUT (BTU/H) = **42,000** 49 TEMPERATURE RISE 222 BASS 4.16 87 0.72 23 0.16 35 140 175 0.09 6 21 BAS 4.16 87 0.72 23 0.16 150 165 0.1 6 6 444 117 4X10 B 20 MUD 2:45 51 51 0:91 0:17 17 17 17 17 0:12 4 4 585 333 33710 B 78875 #8 LENNO 0 0 685 800 890 19 FOY 47 47 0.85 27 27 0.17 30 110 140 0.12 4 4 4 4 330 3310 3310 3710 C 45 MEDIUM MEDIUM HIGH HIGH FAN SPEED LOW EL196UH045XE24B MEDLOW 18 W/R 2.50 52 6.95 3.1 0.17 38 120 158 0.11 4 4 597 336 33710 C 1918 GFA: 15 KT/FM 2:05 43 2:07 66 0.17 36 120 156 0.11 5 316 485 0.17 0.02 0.15 r/a pressure r/a grille press. Loss adjusted pressure r/a 13 CT/FM 2:05 43 2:07 66 0:17 110 134 0:13 5 5 5 316 AA 10 MBR 1.33 28 28 1.56 50 0.17 59 175 234 0.07 5 0.6 0.05 0.2 0.35 0.18 0.02 0.16 furnace pressure furnace filter a/c coil pressure for s/a & r/a plenum pressure s/a max s/a dif press. loss min adjusted pressure s/a available pressure TYPE: TH-7E 8 1.96 1.96 41 2.02 65 0.17 52 197 197 197 3.301 4.77 0.11 3 0.17 28 170 198 0.09 4 4 4 33710 C 43 2.42 78 0.17 43 125 168 0.1 6 43 743 743 8 744 8 800 24.938 32.08 41 2.02 65 0.17 48 130 178 0.1 5 3301 477 3X10 C COOLING CFM TOTAL HEAT GAIN AIR FLOW RATE CFM 4 BED-2 2.44 51 3.29 106 0.16 SITE NAME: ALCONA BUILDER: BAYVIEW WELLINGTON 43 170 213 0.08 6 6 260 260 4X10 C All S/A diffusers 4"x10" unless noted otherwise on layout All S/A runs 5"Ø unless noted otherwise on layout. 2nd 9 39 179 179 4 4 23 3X10 B 3rd 0 ENS 0.87 18 0.82 26 26 0.17 55 120 175 0.1 4 207 298 3X10 B 800 38,375 20.85 **FOTAL HEAT LOSS** ROOM NAME HEATING CFM TRUNK AIR FLOW RATE CFM RM GAIN MBH. CFM PER RUN COOLING ADJUSTED PRESSURE RM LOSS MBH. CFM PER RUN HEAT **EQUIVALENT LENGTH** TOTAL EFFECTIVE LENGTH ADJUSTED PRESSURE ROUND DUCT SIZE HEATING VELOCITY (ft/min) COOLING VELOCITY (ft/min) OUTLET GRILL SIZE ACTUAL DUCT LGH RUN COUNT RA

10/24/2018 9:02:54 AM kbayley

SUPPLY AIR TRUNK SIZE	K SIZE																							1
		TRUNK	STATIC	ROUND	RECT			VII OC ID/I		į							RETURN AIR TRUNK SIZE	R TRUNK	SIZE					
		CFM	PRESS	DUCT	DUCT			/ff/min)		Ξ (KUNK ST		_	RECT		VELOCITY		TRUNK	STATIC	GNUOS	RECT		VELC	CITY
	TRUNK A	272	0.07	6	5	>	α	400	Ē		_		DUCT DI	UCT		(ft/min)		CFM	PRESS.	DUCT	OUCT		4	nin)
	TRUNK B	474	0.07	=	14	< >	οα	900	N. F		0 0			× 0	80	0		0	90.0	0	0	×		0
	TRUNK C	328	0.08	6	: =	< >	α	200	Ē					×	80	0		0	90.0	0	0	· ×		_
	TRUNK D	0	000	ļ c	? ~	< >	οa	G C	Ė					× 0	ω	0		0	90.0	0	0	· ×	· œ	
	TRUNK E	0	0.00	0	· c	< >	ο α	> C	¥ 0	ר אאר	o 0			× 0	ω	0		0	90.0	0	0	: ×		_
	TRUNK F	0	0.00	0	0 0	< ×	α	o c		TELINIC T	ا د د	0.00	0 0	× 0 •	ω	0	TRUNKS	0	90.0	0	0	: ×	. &	_
									4	7 7 7 7	2			×	ω	0		0	90.0	0	0	×		_
																	TRUNK U	0	90.0	0	0	×		_
ETURN AIR #		-	2	6	4	5											TRUNK V	0	90'0	0	0	×		_
						,																		

RM GAIN MBH. CFM PER RUN COOLING

ADJUSTED PRESSURE

ACTUAL DUCT LGH EQUIVALENT LENGTH HEATING VELOCITY (ff/min) COOLING VELOCITY (ff/min)

OUTLET GRILL SIZE

SU

ADJUSTED PRESSURE

ROUND DUCT SIZE TOTAL EFFECTIVE LENGTI

ROOM NAME CFM PER RUN HEAT

RM LOSS MBH

RUN#

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
8888886

22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 13.9
0.06 0.06 0.06 0.06 0.06 0.06 0.06
800
TRUNK U TRUNK V TRUNK W TRUNK X TRUNK Y TRUNK Z DROP
BR 1120 1149 1149 0.10 6 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
0 0 0 15 1 14.80 X
0 0 0 0 15 1 14.80 X
0 0 0.15 1 14.80 0 0 0
0 0 0 1 1 14.80 0 0 0 0
0 0 0 1 1 14.80 0 0 0 0 0
0 0 0 1 14.80 0 0 0 0 0
0 0.15 14.80 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 14. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0.00 0.15 14.80 0 0 0 0
0 0 0 0 14.80 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
5 0 0 0.15 0.15 180 216 0.07 1 9.6 8
4 4 90 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
3 0 885 0.15 0.15 205 1 2251 2251 2251 2251 2251 2251 2
2 0 0 0.15 0.15 165 2208 2208 8 8 8 X
1 0 0 0.15 0.0.15 56 185 185 185 10.06 6 8 8 8 7 7
0 100
#SSURE T LGH. LENGTH ;TIVE LH RESSURE SIZE SIZE SIZE
TURN AIR # Y VOLUME ENUM PRESSUF UNALENT LENO UNALENT LENO TAL EFFECTIVE JUSTED PRESS JUSTED PRESS ET GRILL SIZE ET GRILL SIZE
E



Town of innisfii Certified Model

10/24/2018 9:02:54 AM kbayley

375 Finley Ave. Suite 202 Ajax, ON L1S 2E2 Tel: 905.619.2300 Fax: 905.619.2375 Web: www.hvacdesigns.ca E-mail: info@hvacdesigns.ca

TYPE: SITE NAME: TH-7E ALCONA

LO# 78875

RESIDENTIAL MECHANICAL VENTILATION DESIGN SUMMARY

COMBUSTION APPLIANCES	9.32.3.1(1)	SUPPLEMENTAL	VENTILATION CAPACITY		9.32.3.5
a)		Total Ventilation Ca	apacity	148.4	cfm
b) Positive venting induced draft (except fireplaces)		Less Principal Vent	tii. Capacity	79.5	cfm
c) Natural draft, B-vent or induced draft gas fireplace		Required Suppleme	ental Capacity	68.9	_ cfm
d) Solid Fuel (including fireplaces)					
e) No Combustion Appliances		PRINCIPAL EXHA	UST FAN CAPACITY		
		Model:	VANEE 65H	Location:	BSMT
HEATING SYSTEM		79.5	cfm3.0s	ones	✓ HVI Approved
Forced Air Non Forced Air		PRINCIPAL EXHA	UST HEAT LOSS CALCULATION	ON	
		79.5 CFM	ΔT °F	FACTOR	% LOSS
Electric Space Heat		79.5 CFW	X 83 F	X 1.08	X 0.25
		SUPPLEMENTAL I		NUTONE	
HOUSE TYPE	9.32.1(2)	Location ENS	Model QTXEN050C	cfm 50	HVI Sones V 0.3
Type a) of b) appliance only, no splid fuel		BATH	QTXEN050C	50	√ 0.3 ✓ 0.3
Type a) or b) appliance only, no solid fuel		W/R	QTXEN050C		
II Type I except with solid fuel (including fireplace:	s)	W/K	QTXENUSUC	50	✓ 0.3
III Any Type c) appliance		HEAT RECOVERY			9.32.3.11.
My Type C) applicative		Model: 155	VANEE 65H cfm high	C4	
IV Type I, or II with electric space heat		100	_ Cili liigh	64	cfm low
Other: Type I. II or IV no forced air		75	% Sensible Efficiency @ 32 deg F (0 deg C)		✓ HVI Approved
		LOCATION OF INS	TALLATION		
SYSTEM DESIGN OPTIONS	O.N.H.W.P.	200A NON OF INS	IALLA HON		
1 Exhaust only/Forced Air System		Lot:		Concession	
,		Township		Plan:	
2 HRV with Ducting/Forced Air System				7 14411	
✓ 3 HRV Simplified/connected to forced air system		Address			
4 (1707) 300 700 700		Roll #		Building Permit	#
4 HRV with Ducting/non forced air system		BUILDER:	BANA/IEM/MELLINGTO		
Part 6 Design		BOILDER.	BAYVIEW WELLINGTO	IN .	
		Name:			
TOTAL VENTILATION CAPACITY	9.32.3.3(1)	Address:			
Basement + Master Bedroom 2 @ 21.2 cfm 42.4	cfm	City:			
Other Bedrooms <u>3</u> @ 10.6 cfm <u>31.8</u>	cfm cfm	Telephone #:		Fax #:	
Kitchen & Bathrooms <u>4</u> @ 10.6 cfm <u>42.4</u>	. cfm	INSTALLING CONTR	RACTOR		
Other Rooms <u>3</u> @ 10.6 cfm <u>31.8</u>	cfm	Name:			
Table 9.32.3.A. TOTAL <u>148.4</u>	cfm	Address:			
		City:			
PRINCIPAL VENTILATION CAPACITY REQUIRED	9.32.3.4.(1)				
1 Bedroom 31.8	cfm	Telephone #:	71.15.6	Fax #:	
2 Bedroom 47.7	-6	DESIGNER CERTIFIC			
2 Bedroom 47.7	cfm		is ventilation system has been d e Ontario Building Code.	lesigned	
3 Bedroom 63.6	cfm	Name:	HVAC Designs Ltd.		
4 Bedroom 79.5	cfm	Signature:	Make	al Offmhe.	
5 Bedroom 95.4	cfm	HRAI#		001820	
TOTAL 79.5 cfm		Date:		June-18	
I REVIEW AND TAKE RESPONIBILITY FOR THE DESIGN WORK AND AM QUA	LIFIED IN THE APPR	OPRIATE CATEGORY AS AN "C	OTHER DESIGNER" UNDER DIVISION C	3.2.5 OF THE BUILDIN	NG CODE



375 Finley Ave. Suite 202 Ajax, ON L1S 2E2 Tel: 905.619.2300 Fax: 905.619.2375

Web: www.hvacdesigns.ca E-mail: info@hvacdesigns.ca

HEAT LOSS AND GAIN SUMMARY SHEET

MODEL:	TH-7E			DILLDED. DAVAGEMENTAL	TO.:
SFQT:	1918	LO#	78875	BUILDER: BAYVIEW WELLING SITE: ALCONA	ION
DESIGN 4	CCLIARDWIG			on at Albeetta	
DESIGN A	ASSUMPTIONS				
HEATING			°F	COOLING	°F
	R DESIGN TEMP.		-11	OUTDOOR DESIGN TEMP.	84
INDOOR [DESIGN TEMP.		72	INDOOR DESIGN TEMP. (MAX 75°F)	75
BUILDING	DATA				
ATTACHN	IENT:		ATTACHED	# OF STORIES (+BASEMENT):	3
FRONT FA	CES:		EAST	ASSUMED (Y/N):	Υ
AIR CHAN	GES PER HOUR:		3.57	ASSUMED (Y/N):	Υ
AIR TIGHT	NESS CATEGORY:		AVERAGE	ASSUMED (Y/N):	Υ
WIND EXP	OSURE:		SHELTERED	ASSUMED (Y/N):	Υ
HOUSE VO	DLUME (ft³):		25702.0	ASSUMED (Y/N):	Υ
INTERNAL	SHADING:	BLINDS	/CURTAINS	ASSUMED OCCUPANTS:	5
INTERIOR	LIGHTING LOAD (Btu/	h/ft²):	1.27	DC BRUSHLESS MOTOR (Y/N):	Y
FOUNDATI	ON CONFIGURATION		BCIN_1	DEPTH BELOW GRADE:	6.5 ft
LENGTH:	50.0 ft	WIDTH:	22.0 ft	EXPOSED PERIMETER:	118.0 ft

2012 OBC - COMPLIANCE PACKAGE		
	Complian	ce Package
Component		A1
	Nominal	Min. Eff.
Ceiling with Attic Space Minimum RSI (R)-Value	60	59.22
Ceiling Without Attic Space Minimum RSI (R)-Value	31	27.65
Exposed Floor Minimum RSI (R)-Value	31	29.80
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		
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	
Skylights Maximum U-Value	0.49	_
Space Heating Equipment Minimum AFUE	0.96	
HRV Minimum Efficiency	75%	
Domestic Hot Water Heater Minimum EF	0.8	

INDIVIDUAL BCIN: 19669 MICHAEL O'ROURKE





Residential Foundation Thermal Load Calculator

Supplemental tool for CAN/CSA-F280

W	eather Sta	tion Description
Province:	Ontario	
Region:	Barrie	
	Site D	escription
Soil Conductivity:	Normal o	conductivity: dry sand, loam, clay
Water Table:	Normal (7-10 m, 23-33 ft)
	Foundatio	n Dimensions
Floor Length (m):	15.2	
Floor Width (m):	6.7	
Exposed Perimeter (m):	36.0	
Wall Height (m):	2.7	
Depth Below Grade (m):	1.98	Insulation Configuration
Window Area (m²):	2.1	
Door Area (m²):	1.9	
	Radia	ant Slab
Heated Fraction of the Slab:	0	
Fluid Temperature (°C):	33	
	Design	Months
Heating Month	1	
	Founda	tion Loads
Heating Load (Watts):		1102

TYPE: TH-7E **LO#** 78875

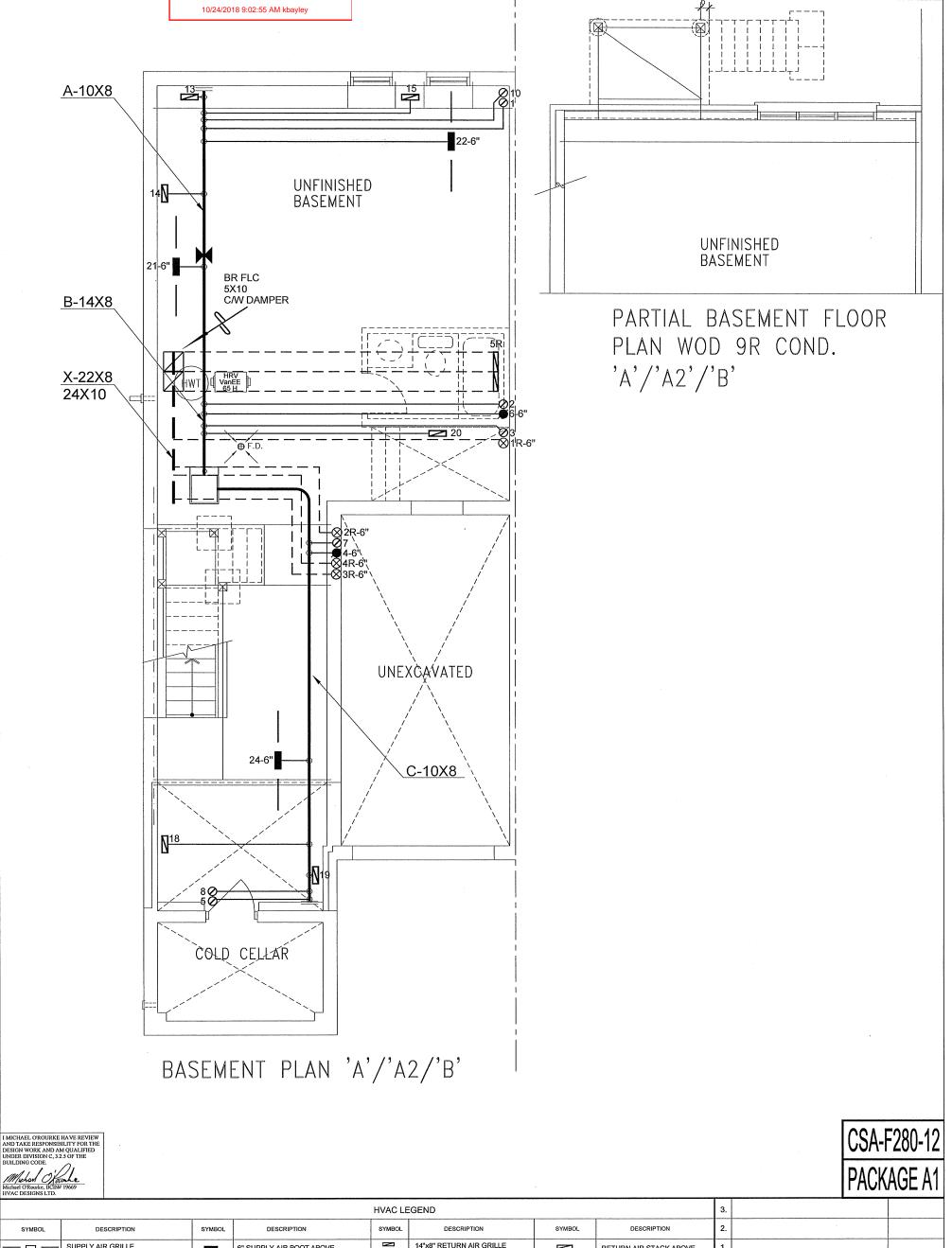


Air Infiltration Residential Load Calculator

Supplemental tool for CAN/CSA-F280

Weather Stati	on De	scrip	tion		
Province:	Onta	rio			
Region:	Barri	ie			
Weather Station Location:	Opei	n flat t	errain,	grass	
Anemometer height (m):	10				
Local SI	nieldir	ng			
Building Site:	Subu	rban, i	forest		
Walls:	Heav	'y			
Flue:	Heav	'y			
Highest Ceiling Height (m):	6.55				
Building Co	nfigur	ation)		
Type:	Semi				
Number of Stories:	Two				
Foundation:	Full				
House Volume (m³):	727.8	3			
Air Leakage,	'Venti	latio	า		
Air Tightness Type:	Prese	nt (19	61-) (3.	.57 ACI	Н)
Custom BDT Data:	ELA @	2 10 Pa	a.		970.2 cm ²
	3.57				ACH @ 50 Pa
Mechanical Ventilation (L/s):	To	otal Sup	ply		Total Exhaust
		37.5			37.5
Flue	Size				
Flue #:	#1	#2	#3	#4	
Diameter (mm):	0	0	0	0	
Natural Infilt	ration	Rate	:S		
Heating Air Leakage Rate (ACH/H):		C	.34	2	
Cooling Air Leakage Rate (ACH/H):		C	.07	6	

TYPE: TH-7E **LO#** 78875



14"x8" RETURN AIR GRILLE SUPPLY AIR GRILLE - = -6" SUPPLY AIR BOOT ABOVE RETURN AIR STACK ABOVE 30"x8" RETURN AIR GRILLE SUPPLY AIR GRILLE 6" BOOT 0 SUPPLY AIR STACK FROM 2nd FLOOR × No. Description RETURN AIR STACK 2nd FLOOR FRA- FLOOR RETURN AIR GRILLE REDUCER SUPPLY AIR BOOT ABOVE **REVISIONS** • 6" SUPPLY AIR STACK 2nd FLOOR

ALL DRAWINGS, CALCULATIONS AND SPECIFICATIONS ARE THE PROPERTY OF HVAC DESIGNS LTD. AND MAY NOT BE REPRODUCED, MODIFIED OR ALTERED WITHOUT EXPRESSED WRITTEN CONSENT. THE DRAWINGS ARE DATED AND USE OF THESE DRAWINGS AFTER ONE YEAR FROM THE DATED NOTED IS NOT AUTHORIZED. CONTRACTOR SHALL CHECK ALL CONDITIONS BEFORE PROCEEDING WITH WORK. LATEST MUNICIPAL APPROVED DRAWINGS ONLY TO BE USED DURING INSTALLATION OF HEATING SYSTEM. HVAC DESIGNS LTD. IS NOT LIABLE FOR ANY CLAIMS ARISING FROM UNAUTHORIZED USE OF THE DRAWINGS OR FROM ANY CHANGES TO ACCEPTED STANDARDS AND/OR THE ONTARIO BUILDING CODE.

BAYVIEW WELLINGTON

Project Name **ALCONA** INNISFIL, ONTARIO

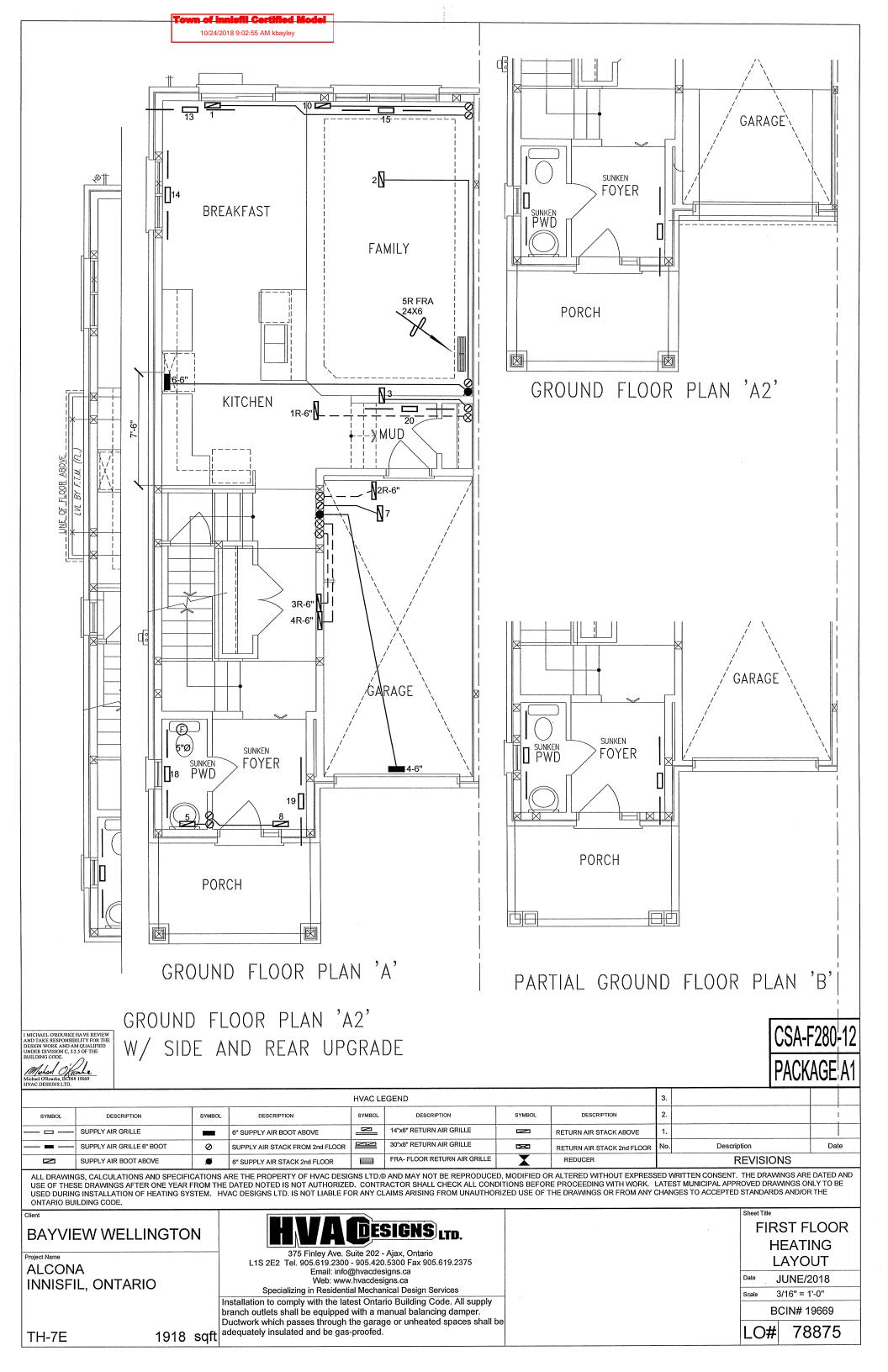
TH-7E

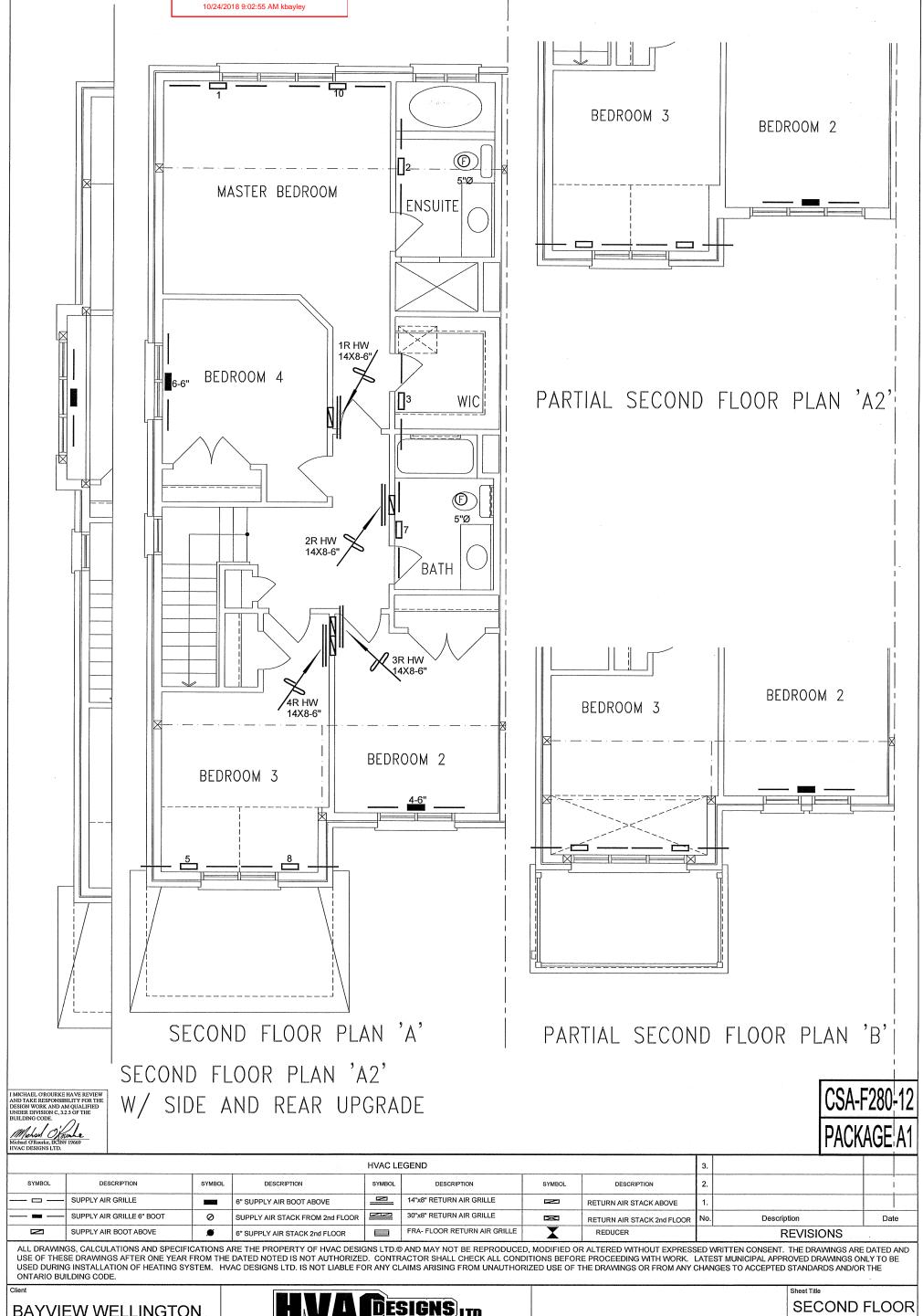
375 Finley Ave. Suite 202 - Ajax, Ontario L1S 2E2 Tel. 905.619.2300 - 905.420.5300 Fax 905.619.2375 Email: info@hvacdesigns.ca Web: www.hvacdesigns.ca

Specializing in Residential Mechanical Design Services

		oposianizing in resolution meaning in the contract of
		Installation to comply with the latest Ontario Building Code. All supply
		branch outlets shall be equipped with a manual balancing damper.
		Ductwork which passes through the garage or unheated spaces shall be
1918	saft	adequately insulated and be gas-proofed.
1010	oqit	

							· · · · · · · · · · · · · · · · · · ·	ingga sa na ang ang ang ang ang ang
HEAT LO	SS 40161	BTU/H	# OF RUNS	S/A	R/A	FANS	Sheet Title	
Ĺ	JNIT DATA		3RD FLOOR	Ī	Π		BA	SEMENT
MAKE	ENNOX						Н	EATING
MODEL	-EININOX		2ND FLOOR	9	4	2		
	UH045XE24	4B	1ST FLOOR	6	1	2	L	AYOUT
INPUT	44	мвти/н	BASEMENT	3	1	0	Date	JUNE/2018
OUTPUT		MBTU/H	ALL S/A DIFFU	SERS	4 "x10	ii .	Scale 3	3/16" = 1'-0"
COOLING	42		UNLESS NOTE				В	CIN# 19669
COOLING	2.0	TONS	ON LAYOUT. A					
FAN SPEED	800	cfm @ 0.6" w.c.	ON LAYOUT. U	NDER	CUT		LO#	78875





BAYVIEW WELLINGTON

Project Name **ALCONA** INNISFIL, ONTARIO

DESIGNS LTD.

375 Finley Ave. Suite 202 - Ajax, Ontario L1S 2E2 Tel. 905.619.2300 - 905.420.5300 Fax 905.619.2375 Email: info@hvacdesigns.ca Web: www.hvacdesigns.ca

Specializing in Residential Mechanical Design Services

Installation to comply with the latest Ontario Building Code. All supply branch outlets shall be equipped with a manual balancing damper. Ductwork which passes through the garage or unheated spaces shall be adequately insulated and be gas-proofed.

JUNE/2018 3/16" = 1'-0" BCIN# 19669 78875 LO#

HEATING

LAYOUT

TH-7E 1918 sqft