

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 Baross	sa 7		Lot:
S38-7			Lot/con.
Municipality Bradford	Postal code	Plan number/ other description	
B. Individual who reviews and takes responsibility for design	gn activities		
Name David DaCosta		Firm	gtaDesigns Inc.
Street address 2985 Drew Roa			Unit no. Lot/con.
Municipality Mississauga	Postal code L4T 0A4	Province Ontario	E-mail dave@gtadesigns.ca
Telephone number (905) 671-9800	Fax number	') 494-9643	Cell number (416) 268-6820
C. Design activities undertaken by individual identified in S	<u> </u>	<u> </u>	, ,
☐ House ☑ HVAC – H	louse		☐ Building Structural
☐ Small Buildings ☐ Building Se			☐ Plumbing – House
☐ Large Buildings ☐ Detection,	Lighting and Pov	wer	☐ Plumbing – All Buildings
☐ Complex Buildings ☐ Fire Protect	ction		☐ On-site Sewage Systems
Description of designer's work Mod	del Certification	1	Project #: PJ-00204
Weight and the Marine		D. ilda	Layout #: JB-04484
Heating and Cooling Load Calculations Main Air System Design Alternate	Х	Builder Project	Bayview Wellington Green Valley East
Residential mechanical ventilation Design Summary Area Sq ft:	2949		Barossa 7
Residential System Design per CAN/CSA-F280-12		Model	S38-7C
Residential New Construction - Forced Air		SB-12	Package A1
D. Declaration of Designer			
David DaCosta	declare that (c	choose one as appro	priate):
(print name)			
☐ I review and take responsibility for to 3.2.4 Division C of the Building Cod	the design work de. I am qualified	on behalf of a firm regi	stered under subsection red in the appropriate west gwillimbury
classes/categories.			BUILDING DEPARTMENT PLANS EXAMINED
Individual BCIN:			ONTARIO BUILDING CODE APPLIES DATE: 2018-11-06
Firm BCIN:			INSPECTOR: BG
	-		ropriate category as an
, and the second		o, or the building cod	c .
Individual BCIN:	3296	64	
Basis for exemp	tion from registra	ation:	Division C 3.2.4.1. (4)
☐ The design work is exempt from the	e registration and	d qualification requirem	nents of the Building Code.
Basis for exemp	tion from registra	ation and qualification:	
I certify that:			
The information contained in this schedule is true to the best of n			
I have submitted this application with the knowledge and consent	t of the firm.		
March 12, 2018		Mara Bo	
Date		Signature of De	signer

NOTE:

Page 1

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 qualifications unuer Subscience.

Schedule 1 does not require to be completed a holder of a license, temporary license, or a certificate of authorization, issued by the Association of Professional Engineers of Ontario.





2985 Drew Road, Suite 202, Mississauga, Ontario L4T 0A4 Tel: 905-671-9800 Fax: 647-494-9643 e-mail dave@gtadesigns.ca

Page 2

Heat loss and gain calcu	lation summary sheet CSA-F280-M12 Standard Form No. 1									
These documents issued for the use of	ayview Wellington Layout No.									
and may not be used by any other persons without authorization. Document	s for permit and/or construction are signed in red. JB-04484									
Building	Location									
Address (Model): \$38-7C	Site: Green Valley East									
Model: Barossa 7	Lot:									
City and Province: Bradford	Postal code:									
Calculation	s based on									
Dimensional information based on:	VA3 Design Jan/2018									
Attachment: Detached	Front facing: East/West Assumed? Yes									
No. of Levels: 3 Ventilated? Included	Air tightness: 1961-Present (ACH=3.57) Assumed? Yes									
Weather location: Bradford	Wind exposure: Sheltered									
HRV? LifeBreath RNC155	Internal shading: Light-translucent Occupants: 5									
Sensible Eff. at -25C 71% Apparent Effect. at -0C 84%	Units: Imperial Area Sq ft: 2949									
Sensible Eff. at -0C 75%										
Heating design conditions	Cooling design conditions									
Outdoor temp -9.4 Indoor temp: 72 Mean soil tem; 48	Outdoor temp 86 Indoor temp: 75 Latitude: 44									
Above grade walls	Below grade walls									
Style A: As per OBC SB12 Package A1 R 22	Style A: As per OBC SB12 Package A1 R 20ci									
Style B: Existing Walls (When Applicable) R 12	Style B:									
Style C:	Style C:									
Style D:	Style D:									
Floors on soil	Ceilings									
Style A: As per Selected OBC SB12 Package A1	Style A: As per Selected OBC SB12 Package A1 R 60									
Style B:	Style B: As per Selected OBC SB12 Package A1 R 31									
Exposed floors	Style C:									
Style A: As per Selected OBC SB12 Package A1 R 31	Doors									
Style B:	Style A: As per Selected OBC SB12 Package A1 R 4.00									
Windows	Style B:									
Style A: As per Selected OBC SB12 Package A1 R 3.55	Style C:									
Style B: Existing Windows (When Applicable) R 1.99	Skylights									
Style C:	Style A: As per Selected OBC SB12 Package A1 R 2.03									
Style D:	Style B:									
Attached documents: As per Shedule 1 Heat Loss/Ga	ain Caculations based on CSA-F280-12 Effective R-Values									
Notes: Residential New C	Construction - Forced Air									
Calculations	performed by									
Name: David DaCosta	Postal code: L4T 0A4									
Company: gtaDesigns Inc.	Telephone: (905) 671-9800									
Address: 2985 Drew Road, Suite 202	Fax: (416) 268-6820									
City: Mississauga	E-mail dave@gtadesigns.ca									



Builder: Bayview Wellington

Air System Design

Date:

SB-12 Package A1 March 12, 2018

2985 Drew Road, Suite 202, Mississauga, Ontario L4T 0A4 Tel: 905-671-9800 Fax: 647-494-9643 e-mail dave@gtadesigns.ca

I review and take responsibility for the design work and am qualified in the

appropriate category as an "other designer" under Division C subsection 3.2.5. of the Building Code

Page 3 P.I-00204

Project: Green V	/alley Ea	st		Model:			Baros S38-					Sy	stem 1	1		of the Bui Individual		ode. 32964	M	ane to	4.C=<	<u>/</u>	David DaC	osta		ject # yout #		·00204 ·04484
DESIGN LOAD SPECIFICATION	IS		[AIR DISTE	RIBUTION	N & PRES	SURE				E	URNACE	E/AIR HAN	NDLER D	ATA:			BOILER/V	VATER H	EATER D	ATA:				A/C UNIT	DATA:		
Level 1 Net Load Level 2 Net Load Level 3 Net Load Level 4 Net Load Total Heat Loss Total Heat Gain	15,527 21,590 17,207 0 54,324 32,640	btu/h btu/h btu/h btu/h		Equipmer Additiona Available Return Br R/A Plenu S/A Plenu	I Equipm Design F anch Loi m Press	ent Press Pressure ngest Effe ure	sure Drop		0.5 " 0.225 " 0.275 " 300 f 0.138 "	w.c. w.c. t w.c.	 	Make Model nput Btu/ Output Bt E.s.p. Water Ter	/h tu/h	Ama AMEC960 800 768 0.5	803BNA 00 00 0	" W.C. deg. F.	ļ	Make Model Input Btu Output Bt Min.Outp	tu/h			Type AWH	ower DAT <i>F</i>		Amana Cond Coil		3.0 T 3.0 3.0	on ·
Combo System HL + 10% Building Volume Vb Ventilation Load Ventilation PVC Supply Branch and Grill Sizing	59,756 34878 1,118 79.5 (Btuh. ft³ Btuh.		Heating A Cooling A Diffuser lo	ir Flow P ir Flow P	Proportion Proportion	ning Facto R/A Temp S/A Temp	er)	0.0216 c 0.0359 c 70 c		, , ,	AFUE Aux. Heat SB-12 Pac Femp. Ris	ckage	969 Packag	%	g		Blower Specification	check =	1172 (cfm	<u> </u>			Blower Ty (Brushle Cooling C	ess DC O	ECM BC 12.3.1 1172 (efm
							Leve	el 1													Lev	rel 2						
S/A Outlet No. Room Use Btu/Outlet Heating Airflow Rate CFM	1 BASE 3882 84	2 BASE 3882 84	3 BASE 3882 84	4 BASE 3882 84										•	5 KIT 2238 48	6 KIT 2238 48	7 KIT 2238 48	8 DIN 2105 45	9 MUD 804 17	10 PWD 1001 22	11 STUDY 2834 61	12 STUDY 2834	13 FOY 2725 59	14 GRT 1287 28	15 GRT 1287 28			
Cooling Airflow Rate CFM Duct Design Pressure Actual Duct Length	16 0.13 40	16 0.13 45	16 0.13 22	16 0.13 44	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	83 0.13 46	83 0.13 49	83 0.13 45	80 0.13 10	4 0.13 31	5 0.13 34	89 0.13 50	61 89 0.13 51	49 0.13 37	58 0.13 29	58 0.13 37	0.13	0.13	0.13
Equivalent Length Total Effective Length Adjusted Pressure	140 180 0.07	90 135 0.10	90 112 0.12	130 174 0.07	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19	130 176 0.07	120 169 0.08	110 155 0.08	80 90 0.14	140 171 0.08	90 124 0.10	130 180 0.07	120 171 0.08	135 172 0.08	80 109 0.12	70 107 0.12	70 70 0.19	70 70 0.19	70 70 0.19
Duct Size Round Outlet Size Trunk	6 4x10 F	6 4x10 E	6 4x10 D	6 4x10 C	4x10	4x10	4x10 Leve	4x10	4x10	4x10	4x10	4x10	4x10	4x10	6 4x10 F	6 4x10 F	6 4x10 E	6 4x10 A	3 3x10 B	3x10 B	6 4x10 C Lev	6 4x10 C rel 4	5 3x10 B	5 3x10 D	5 3x10 D	4x10	4x10	4x10
S/A Outlet No.	16	17	18	19	20	21	22	23	24																			
Room Use Btu/Outlet Heating Airflow Rate CFM	MAST 3116 67	BED 2 1763 38	826 18	3102 67	WIC 1041 22	1899 41	BED 4 1967 42	ENS 4 1064 23	ENS 2431 52																			
Cooling Airflow Rate CFM Duct Design Pressure Actual Duct Length	87 0.13 68	32 0.13 49	9 0.13 50	77 0.13 60	13 0.13 58	63 0.13 58	57 0.13 39	24 0.13 59	64 0.13 69	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Equivalent Length Total Effective Length Adjusted Pressure Duct Size Round	125 193 0.07	140 189 0.07	130 180 0.07 3	180 240 0.05 6	170 228 0.06	120 178 0.07	105 144 0.09	155 214 0.06	150 219 0.06 6	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19	70 70 0.19
Outlet Size Trunk	4x10 E	4x10 B	3x10 B	4x10 C	3x10 C	3x10 B	3x10 A	3x10 F	4x10 F	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10
Return Branch And Grill Sizing				sure Loss		0.02						_	Return Tri							-		runk Duc	_					
R/A Inlet No. Inlet Air Volume CFM	1R 170	2R 490	3R 81	4R 81	5R 155	6R 105	7R 90	8R	9R	10R	11R	7	Trunk	(CFM	Press. I	Round	Rect.	Size		Trunk		CFM F	ress.	Round	Rect.	Size	
Duct Design Pressure Actual Duct Length Equivalent Length	0.12 12 110	0.12 31 170	0.12 57 225	0.12 50 125	0.12 31 195	0.12 57 205	0.12 23 180	0.12 50	0.12 50	50	50	2	•		1172 1172 765	0.04 0.04 0.04	18.0 18.0 15.0		24x12 20x10	1	A B C		1172 490 295	0.05 0.05 0.05	17.0 12.5 10.5	26x10 18x8 12x8	22x12 14x10 10x10	
Total Effective Length Adjusted Pressure Duct Size Round Inlet Size	122 0.10 7.0 FLC	201 0.06 12.0 8	282 0.04 6.0 8	175 0.07 6.0 8	226 0.05 8.0 8	262 0.04 6.0 8	203 0.06 6.0 8	50 0.24	50 0.24	50 0.24	50 0.24) \ \ !	w v							į	D E F G		594 199 256	0.06 0.07 0.06	13.0 8.5 9.5	18x8 8x8 10x8	14x10	
" " Inlet Size	x	x 30	x 14	x 14	x 14	x 14	x 14	x	x	x	x	7 \$ F	T S							3	H	ΓE		C			P)	Y
Trunk	Υ	Υ	Z	Z	Z	Υ	Z						Q								K						•	



Total Heat Loss

Total Heat Gain

54,324 btu/h

32,640 btu/h

Heatloss/Gain Calculations CSA-F280-12

2985 Drew Road, Suite 202, Mississauga, Ontario L4T 0A4 Tel: 905-671-9800 Fax: 647-494-9643

e-mail dave@gtadesigns.ca

Man 16Cot 2

David DaCosta

Package A1

	Builder:	Bayview Wellingt	JII	-	Date:		IVI	arch 12, 2	010						Weath	er Data		Bradford	44	-9.4	86 22	48.2					Pag
2012 OBC	Project:	Green Valley Eas			lodel:			Barossa S38-7C	7			5	ystem 1		Heat	I nee ^T	81.4 deg	F	Ht gain ^T		11 deg. F	GTA	A: 2949	,	Proj	ject # out #	PJ-00 JB-04
2012 OBC	Project:	Green valley Eas	ST .	- IV	lodel:			330-70					•		пеац	L055 " I	01.4 ueţ	.г	nt gain "i		ii deg. r	GIA	1. 2949	,	Lay	out #	JD-04
Level 1			BASE	:																							
Run ft. exposed wall A		18	3 A		А			Α		Α			Α		Α		Α		Α		Α			Α		Α	
Run ft. exposed wall B	3		В		В			В		В			В		В		В		В		В			В		В	
Ceiling height			0 AG		2.0 A		2.0) AG		2.0 AG		2.0		2.0	0 AG		2.0 AG		2.0 AG		2.0 AG		2.0) AG		2.0 AG	
Floor area		124	8 Area			rea		Area		Are	ea		Area		Area		Are	a	Area	a	Are	а		Area		Area	
Exposed Ceilings A			A		A			A		A			A		A		A		A		A			A		A	
Exposed Ceilings B			B		В			B		В			В		В		В		В		B			B		B	
Exposed Floors Gross Exp Wall A		36	Flr		F	ır		Flr		Fir			Flr		Fir		Flr		Flr		Flr			Flr		Flr	
Gross Exp Wall B		30	0																								
	R-Values Los	Gain	Loss	Gain	L	oss Gai	n	Loss	Gain	Lo	ss Ga	in	Loss Ga	in	Loss	Gain	Los	s Gain	Los	s Gain	Los	s Gair	n	Loss	Gain	Loss	Ga
North Shaded		22.93 10.91																									
East/Wes		22.93 27.35 2																									
South		22.93 20.89 1	2 275	251																							
WOB Windows		25.84 28.32																									
Skylight		40.10 88.23																									
Doors		20.35 2.75 2 3.85 0.52 30		58 158																							
Net exposed walls A Net exposed walls B		5.62 0.76	•	136																							
Exposed Ceilings A		1.37 0.64																									
Exposed Ceilings B		3.56 1.66																									
Exposed Floors		2.73 0.17																									
oundation Conductive Heatloss	On Grade ()	r Abo	6252																								
tal Conductive Heat Loss			7619																								
Heat Gair				1260																							
Air Leakage Heat Loss/Gair Case 1		.0080 0.0296 0.07 0.05	7680	37																							
Ventilation Case 2		0.07 0.05 14.07 11.88																									
Case 3		0.03 0.05	228	69																							
Heat Gain People		239																									
Appliances Loads																											
Appliances Loads Duct and Pipe loss	1 =.25 perc																										
Duct and Pipe loss evel 1 HL Total 15,527	1 =.25 perc	10% HL for per room	15527																								
Duct and Pipe loss evel 1 HL Total 15,527	1 =.25 perc	ent 4943 10%	15527	1776																							
Duct and Pipe loss vel 1 HL Total 15,527	1 =.25 perc	10% HL for per room	15527	1776																							
Duct and Pipe loss vel 1 HL Total	5 1 = .25 perc 5 Total Total HG	10% HL for per room	15527	1776																							
Duct and Pipe loss Vivel 1 HL Total 15,527 Vivel 1 HG Total 1,776 Level 2	Total HG	ent 4943 10% HL for per room per room x 1.3	KIT	1776		DIN		MUD			PWD		STUDY		FOY			GRT									
Duct and Pipe loss evel 1 HL Total 15,527 evel 1 HG Total 1,776 Level 2 Run ft. exposed wall A	Total HG	ent 4943 10% HL for per room per room x 1.3	KIT 6 A	1776	23 A			5 A		16 A	PWD	37	Α	24	4 A		22 A	GRT	A		A			A		A	
Duct and Pipe loss evel 1 HL Total 15,527 evel 1 HG Total 1,776 Level 2 Run ft. exposed wall A Run ft. exposed wall B	Total HG	ent 4943 10% HL for per room per room x 1.3	KIT 6 A B	1776	В			5 A B		16 A B	PWD				4 A B		22 A B	GRT	В		В			В		В	
Duct and Pipe loss vel 1 HL Total 15,527 vel 1 HG Total 1,776 Level 2 Run ft. exposed wall 8 Ceiling height	Total HO	wit 4943 10% HL for per room per room x 1.3	KIT 6 A B	1776	10.0		12.0	5 A B		16 A B 10.0		11.0	A B	11.0	4 A B		22 A B 10.0		B 10.0		B 10.0		10.0	B)		B 10.0	
Duct and Pipe loss evel 1 HL Total 15,527 evel 1 HG Total 1,776 Level 2 Run ft. exposed wall # Run ft. exposed wall # Celling height Floor area	Total HO	wit 4943 10% HL for per room per room x 1.3	KIT 6 A B 0 6 Area	1776	10.0 237 A	rea	12.0	5 A B D 3 Area		16 A B 10.0 60 Are		11.0 129	A B Area	11.0	4 A B O O Area		22 A B 10.0 217 Are		B 10.0 Area	a	B 10.0 Are	a	10.0	B) Area		B 10.0 Area	
Duct and Pipe loss vel 1 HL Total 15,527 vel 1 HG Total 1,776 Level 2 Run ft. exposed wall A Run ft. exposed wall B Ceiling heigh Floor area Exposed Ceilings A	Total HO	wit 4943 10% HL for per room per room x 1.3	KIT 6 A B 0 6 Area A	1776	10.0 237 A	rea	12.0	5 A B D 3 Area A		16 A B 10.0 60 Ard		11.0 129	A B Area A	11.0	4 A B O O Area A		22 A B 10.0 217 Are 5 A		B 10.0 Area A	a	B 10.0 Are A	a	10.0	B) Area A		B 10.0 Area A	
Duct and Pipe loss vel 1 HL Total 15,527 vel 1 HG Total 1,776 Level 2 Run ft. exposed wall # Run ft. exposed wall # Ceiling height Floor area Exposed Ceilings # Exposed Ceilings #	t 1=.25 perc	wit 4943 10% HL for per room per room x 1.3	KIT 6 A B 0 6 Area A B	1776	10.0 237 A A B	rea	12.0	5 A B D 3 Area A B		16 A B 10.0 60 Are A B		11.0 129 129	A B Area A B	11.0	4 A B D O Area A B		22 A B 10.0 217 Are 5 A B		10.0 Area A B	a	B 10.0 Are A B	a	10.0	B) Area A B		B 10.0 Area A B	
Duct and Pipe loss vel 1 HL Total 15,527 vel 1 HG Total 1,776 Level 2 Run ft. exposed wall A Run ft. exposed wall B Celling heighin Floor area Exposed Ceilings A Exposed Ceilings B Exposed Floors	1 = .25 perc	10%	KIT 6 A B 0 6 Area A B	1776	10.0 237 A A B	rea	12.0 48	5 A B O 3 Area A B Fir		16 A B 10.0 60 Ard A B Flr		11.0 129 129	A B Area A	11.0 160	4 A B D O Area A B Fir		22 A B 10.0 217 Are 5 A B Fir		B 10.0 Area A	a	B 10.0 Are A	a	10.0	B) Area A		B 10.0 Area A	
Duct and Pipe loss rel 1 HL Total 15,527 rel 1 HG Total 1,776 Run ft. exposed wall # Run ft. exposed wall # Ceiling height Floor area Exposed Ceilings # Exposed Ceilings #	t 1=.25 perc	wit 4943 10% HL for per room per room x 1.3	KIT 6 A B 0 6 Area A B	1776	10.0 237 A A B	rea	12.0	5 A B O 3 Area A B Fir		16 A B 10.0 60 Are A B		11.0 129 129	A B Area A B	11.0	4 A B D O Area A B Fir		22 A B 10.0 217 Are 5 A B		10.0 Area A B	a	B 10.0 Are A B	a	10.0	B) Area A B		B 10.0 Area A B	
Duct and Pipe loss el 1 HL Total 15,527 el 1 HG Total 1,776 Run ft. exposed wall B Ceiling heigh Floor area Exposed Ceilings B Exposed Ceilings B Exposed Floor Gross Exp Wall B Gross Exp Wall B	t 1=.25 perc	10%	KIT 6 A B 0 6 Area A B FIr	1776	10.0 237 A A B F 230	rea	12.0 48	B B B Area A B Fir	Gain	16 A B 10.0 60 Ar A B Fir 160		11.0 129 129 407	A B Area A B	11.0 160 264	4 A B D O Area A B Fir	Gain	22 A B 10.0 217 Are 5 A B Fir	a	10.0 Area A B		B 10.0 Are A B Fir			B Area A B Fir	Gain	B 10.0 Area A B Fir	Gi
el 1 HL Total 1,5,27 el 1 HG Total 1,5,27 el 1 HG Total 1,776 Level 2 Run ft. exposed wall A Run ft. exposed wall B Ceiling heigh Floor area Exposed Ceilings A Exposed Ceilings B Cross Exp Wall A Gross Exp Wall B Components North Shadec	Total Ho	### 4943	KIT 6 A B 0 6 Area A B Fir 0	Gain	10.0 237 A A B F 230	rea Ir	12.0 48	B B B Area A B Fir		16 A B 10.0 60 Ar A B Fir 160	ea	11.0 129 129 407	A B Area A B FIr	11.0 160 264 in	4 A B D O Area A B Fir 4		22 A B 10.0 217 Are 5 A B Fir 220	a	B 10.0 Area A B Fir		B 10.0 Are A B Fir			B Area A B Fir		B 10.0 Area A B Fir	; Ga
Duct and Pipe loss el 1 HL Total 15,527 el 1 HG Total 1,776 Level 2 Run ft. exposed wall A Run ft. exposed wall B Ceiling heigh Floor area Exposed Ceilings A Exposed Ceilors Gross Exp Wall B Gross Exp Wall B Components North Shadec East/Wesi	1 = .25 perc	### 4943 ### 10% ####### 10% #### 10% ##########	KIT 6 A B 0 6 Area A B Fir 0	Gain 2899	10.0 237 A A B F 230	rea Ir	12.0 48 60 n	B B B Area A B Fir		16 A B 10.0 60 Ar A B Fir 160	ea	11.0 129 129 407	A B Area A B Fir Loss Ga	11.0 160 264 in	4 A B D O Area A B Fir 4		22 A B 10.0 217 Are 5 A B Fir 220	s Gain	B 10.0 Area A B Fir		B 10.0 Are A B Fir			B Area A B Fir		B 10.0 Area A B Fir	Ga Ga
Duct and Pipe loss el 1 HL Total 15,527 el 1 HG Total 1,776 Level 2 Run ft. exposed wall A Run ft. exposed wall A Floor area Exposed Ceilings A Exposed Ceilings A Exposed Ceilings A Exposed Ceilings A Exposed Floor Gross Exp Wall B Components North Shadec East/Wess Sout	1 = .25 perc	### 4943	KIT 6 A B 0 6 Area A B Fir 0	Gain 2899	10.0 237 A A B F 230	rea Ir	12.0 48 60 n	B B B Area A B Fir		16 A B 10.0 60 Ar A B Fir 160	ea	11.0 129 129 407	A B Area A B Fir Loss Ga	11.0 160 264 in	4 A B D O Area A B Fir 4		22 A B 10.0 217 Are 5 A B Fir 220	a	B 10.0 Area A B Fir		B 10.0 Are A B Fir			B Area A B Fir		B 10.0 Area A B Fir	Ga
Duct and Pipe loss el 1 HL Total 15,527 el 1 HG Total 1,776 Level 2 Run ft. exposed wall # Run ft. exposed wall # Ceiling heigh Floor aree Exposed Ceilings # Exposed Ceilings B Exposed Floors Gross Exp Wall # Gross Exp Wall # Components North Shadec East/West South	Total Ho	### 4943	KIT 6 A B 0 6 Area A B Fir 0	Gain 2899	10.0 237 A A B F 230	rea Ir	12.0 48 60 n	B B B Area A B Fir		16 A B 10.0 60 Ar A B Fir 160	ea	11.0 129 129 407	A B Area A B Fir Loss Ga	11.0 160 264 in	4 A B D O Area A B Fir 4		22 A B 10.0 217 Are 5 A B Fir 220	s Gain	B 10.0 Area A B Fir		B 10.0 Are A B Fir			B Area A B Fir		B 10.0 Area A B Fir	Ga
Duct and Pipe loss rel 1 HL Total 1,5,27 et 1 HG Total 1,776 Level 2 Run ft. exposed wall # Run ft. exposed wall # Floor area Exposed Ceilings # Exposed Ceilings A Gross Exp Wall # Gross Exp Wall # Components North Shadec East/West South Exiting Windows Skyligh	Total HG Total HG R-Values Los 3.55 4.3.55 5.3.55 1.99 1.99 1.203	### 4943 ### 10% #### 10% ### 10% #### 10% ### 10% ### 10% ### 10% ### 10% ### 10% ### 10% ### 10% ###	KIT 6 A B 0 6 Area A B Fir 0	Gain 2899	10.0 237 A A B F 230	rea Ir	12.1 44 60 n 306	5 A B O B Area A B Flr O	Gain	16 A B 10.0 60 Ar A B Fir 160	ea	11.0 129 129 407	A B Area A B Fir Loss Ga	264 in 1450 28	4 A B B D Area A B Fir 4 Loss B 642	766	22 A B 10.0 217 Are 5 A B Fir 220	s Gain	B 10.0 Area A B Fir		B 10.0 Are A B Fir			B Area A B Fir		B 10.0 Area A B Fir	Ga
Duct and Pipe loss vel 1 HL Total 15,527 rel 1 HG Total 1,776 Level 2 Run ft. exposed wall A Run ft. exposed wall B Ceiling height Floor area Exposed Ceilings A Exposed Ceilings A Exposed Ceilings A Gross Exp Wall A Gross Exp Wall B Components North Shadee East/West Soutt Existing Windows Skylight Doors	1 = .25 perc	56 Gain 22.93 10.91 22.93 22.93 22.93 20.89 20.15 20.35 2.75	KIT 6 A B 0 6 Area A B Fir 0 Loss 2431 9 665	Gain 2899 606	237 A B F 230 L 28	oss Gai	12.1 44 60 n 306	S A B B S Area A B Fir D Loss	Gain 58	16 A B 10.0 60 Arr A B Fir 160 Lo	ea ss Ga	11.0 129 129 407 in	A B Area A B B Fir Loss Ga 1215 1215	11.0 160 264 in 1450 28	4 A B B D Area A B Fir 4 Loss B 642	766 55	22 A B 10.0 217 Are 5 A B Fir 220 Los	s <u>Gain</u>	B 10.0 Area A B Fir		B 10.0 Are A B Fir			B Area A B Fir		B 10.0 Area A B Fir	Ga
Duct and Pipe loss veil 1 HL Total 15,527 veil 1 HG Total 1,776 Level 2 Run ft. exposed wall A Run ft. exposed wall A Run ft. exposed Ceilings A Exposed Ceilings A Exposed Ceilings A Exposed Floors Gross Exp Wall B Components North Shadec East/West South Existing Windows Skyligh Doors Net exposed walls A	Total Ho	### 4943 ### 10% #### 10% ### 10% #### 10% ### 10% ### 10% ### 10% ### 10% ### 10% ### 10% ### 10% ###	KIT 6 A B 0 6 Area A B Fir 0 Loss 2431 9 665	Gain 2899 606	10.0 237 A A B F 230	oss Gai	12.1 44 60 n 306	S A B B S Area A B Fir D Loss	Gain 58	16 A B 10.0 60 Arr A B Fir 160 Lo	ea ss Ga	11.0 129 129 407	A B Area A B Fir Loss Ga	264 in 1450 28	4 A B B D Area A B Fir 4 Loss B 642	766 55	22 A B 10.0 217 Are 5 A B Fir 220 Los	s Gain	B 10.0 Area A B Fir		B 10.0 Are A B Fir			B Area A B Fir		B 10.0 Area A B Fir	Ga
Puct and Pipe loss rel 1 HL Total 15,527 rel 1 HG Total 1,776 Level 2 Run ft. exposed wall A Run ft. exposed wall B Ceiling height Floor area Exposed Ceilings A Exposed Ceilings A Exposed Floors Gross Exp Wall A Gross Exp Wall B Components North Shadee East/West Soutt Existing Windows Skylight	Total HG Total HG R-Values Los 3.55 3.55 3.55 3.55 3.55 4.00 17.03 8.50	56 Gain 22.93 10.91 22.93 22.93 22.93 20.89 20.15 20.35 2.75	KIT 6 A B 0 6 Area A B Fir 0 Loss 2431 9 665	Gain 2899 606	237 A B F 230 L	oss Gai	12.1 44 60 n 306	S A B B S Area A B Fir D Loss	Gain 58	16 A B 10.0 60 Arr A B Fir 160 Lo	ea ss Ga	11.0 129 129 407 in	A B Area A B B Fir Loss Ga 1215 1215	11.0 160 264 in 1450 28	4 A B B D Area A B Fir 4 Loss B 642	766 55	22 A B 10.0 217 Are 5 A B Fir 220 Los	s <u>Gain</u>	B 10.0 Area A B Fir		B 10.0 Are A B Fir			B Area A B Fir		B 10.0 Area A B Fir	: Ga
Duct and Pipe loss vel 1 HL Total 15,527 rel 1 HG Total 1,776 Level 2 Run ft. exposed wall A Run ft. exposed wall B Celling heigh Floor area Exposed Ceilings B Exposed Ceilings B Exposed Ceilings B Components North Shadec East/West South Existing Windows South Doors Net exposed walls A Resposed Walls A	Total Ho	### 4943 ### 10% #### 10% ### 10% #### 10% ### 10% ### 10% ### 10% ### 10% ### 10% ### 10% ### 10% ###	KIT 6 A B 0 6 Area A B Fir 0 Loss 2431 9 665	Gain 2899 606	237 A B F 230 L	oss Gai	12.1 44 60 n 306	S A B B S Area A B Fir D Loss	Gain 58	16 A B 10.0 60 Arr A B Fir 160 Lo	ea ss Ga	11.0 129 129 407 in	A B Area A B Fir Loss Ga 1215 1215	11.0 160 264 in 1450 28	4 A B B D Area A B Fir 4 Loss B 642	766 55	22 A B 10.0 217 Are 5 A B Fir 220 Los 50 1	s <u>Gain</u>	B 10.0 Area A B Fir Los		B 10.0 Are A B Fir			B Area A B Fir		B 10.0 Area A B Fir	Ga
Duct and Pipe loss el 1 HL Total 15,527 el 1 HG Total 1,776 Level 2 Run ft. exposed wall A Run ft. exposed wall B Colling heigh Floor area Exposed Ceilings A Exposed Ceilings A Exposed Floors Gross Exp Wall B Components North Shadec East/Wes: South Existing Windows Skyligh Doors Net exposed wall A Net exposed wall S Net exposed Ceilings A Exposed Ceilings B Exposed Ceilings B Exposed Ceilings A Net exposed walls A Net exposed ceilings B Exposed Ceilings A Exposed Ceilings A Exposed Ceilings A Exposed Ceilings A	Total HG Total HG R-Values Los 3.55 3.55 3.55 3.55 4.00 17.03 4.00 17.03 8.50 4.99 4.90 4.90 4.90 4.90 4.90 4.90 4.9	4943 10%	KIT 6 A B 0 6 Area A B Fir 0 Loss 2431 9 665	Gain 2899 606	237 A B F 230 L	oss Gai	12.1 44 60 n 306	S A B B S Area A B Fir D Loss	Gain 58	16 A B 10.0 60 Arr A B Fir 160 Lo	ea ss Ga	11.0 129 129 407 in 53 53	A B Area A B Fir Loss Ga 1215 1215	11.0 160 264 in 11450 28 1107 216	4 A B B D Area A B Fir 4 Loss B 642	766 55	22 A B 10.0 217 Are 5 A B Fir 220 Los 50 1	s <u>Gain</u>	B 10.0 Area A B Fir Los		B 10.0 Are A B Fir			B Area A B Fir		B 10.0 Area A B Fir	Gá
el 1 HL Total 1,5,27 el 1 HG Total 1,5,27 el 1 HG Total 1,776 el 1	Total Ho	4943 10%	KIT 6 A B 0 0 6 Area A B Fir 0 Loss 2431 665 5 2031	Gain 2899 606	237 A B F 230 L	oss Gai	12.1 44 60 n 306	5 A B B D D D D D D D D D D D D D D D D D	Gain 58	16 A B 10.0 60 Arr A B Fir 160 Lo	765	11.0 129 129 407 in 53 53	A B B Area A B B Fir Loss Ga 1215 1215 1439 459	11.0 160 264 in 11450 28 1107 216	4 A B D D Area A B Fir 4 Loss 642 D 407 6 1032	766 55	22 A B 10.0 217 Are 5 A B Fir 220 Los 170 5 1	s Gain 146 104 813 11	B 10.0 Area A B Fir Los		B 10.0 Are A B Fir			B Area A B Fir		B 10.0 Area A B Fir	Ga Ga
Duct and Pipe loss el 1 HL Total 1,5,227 el 1 HG Total 1,776 Level 2 Run ft. exposed wall A Run ft. exposed wall B Ceilings B Exposed Ceilings A Exposed Ceilings B Exposed Floors Gross Exp Wall B Components North Shadec East/West South Existing Windows Skyligh Net exposed walls B Exposed Ceilings B	Total Ho Total Ho Total Ho R-Values Los	4943 10%	KIT 6 A B 0 6 Area A B Fir 0 Loss 2431 9 665	Gain 2899 606 275	237 A B F 230 L	rea	12.0 44 66 7 306 130 33	S A B B S Area A B Fir D Loss	Gain 58 25	16 A B 10.0 60 Arr A B B 160 Lo	ea ss Ga	11.0 129 129 407 in 53 53 103 301	A B B Area A B B Fir 1215 1215 1439 459	11.0 160 264 in 11450 28 1107 201 194 216	4 A B B D Area A B Fir 4 Loss B 642	766 55 140	22 A B 10.0 217 Are 5 A B Fir 220 Los 170 5 1	s Gain 146 104 813 11	B 10.0 Are: A B Fir Los		B 10.0 Are A B Fir			B Area A B Fir		B 10.0 Area A B Fir	Ga Ga
Duct and Pipe loss el 1 HL Total 15,527 el 1 HG Total 1,776 Level 2	Total HG Total HG Total HG R-Values Los 3.55 3.55 3.55 3.55 4.00 17.03 4.00 17.03 8.50 4.00 0.	56 Gain 222.93 10.91 22.93 27.35 10.22.93 20.89 22.93 20.89 22.93 20.35 2.75 4.78 0.65 42.93 20.35 1.29 1.37 0.64 3.56 1.66 2.73 0.17 r Abo x	KIT 6 A B 0 0 6 Area A B Fir 0 0 Loss 6 2431 9 665	Gain 2899 606 275	237 A B F 230 L	oss Gai 642 966	12.1 44 60 n 306 130 38	5 A B B) 3 Area A B Fir) Loss	Gain 58 25	16 A B 10.0 60 Arr A B Fir 160 Lo	765	11.0 129 129 407 in 53 53 103 301 129	A B B Area A B B Fir Loss Ga 1215 1215 1439 459 4329	11.0 160 264 in 1450 28 11107 214 216 214 2266	4 A B D D Area A B Fir 4 Loss B 642 2081	766 55 140	22 A B 10.0 217 Are 5 A B Fir 220 Los 50 1	s Gain 146 104 813 1' 7	B 10.0 Area A B Fir Los		B 10.0 Are A B Fir			B Area A B Fir		B 10.0 Area A B Fir	Ga
Duct and Pipe loss el 1 HL Total 15,527 el 1 HG Total 1,776	Total Ho	56 Gain 22.93 10.91 22.93 10.91 22.93 20.89 240.90 22.15 40.10 88.23 20.35 2.75 4.78 0.65 4.29 1.37 0.65 1.66 2.73 0.17 r Abo x	KIT 6 A B 0 0 6 Area A B Fir 0 Loss 2431 665 5 2031	Gain 2899 606 275	237 A B F 230 L	rea	12.0 44 66 7 306 130 33	5 A B B D D D D D D D D D D D D D D D D D	Gain 58 25	16 A B 10.0 60 Arr A B Fir 160 Lo	765	11.0 129 129 407 in 53 53 103 301	A B B Area A B B Fir 1215 1215 1439 459	11.0 160 264 in 11450 28 1107 201 194 216	4 A B D D Area A B Fir 4 Loss 642 D 407 6 1032	766 55 140	22 A B 10.0 217 Are 5 A B Fir 220 Los 50 1	s Gain 146 104 813 11	B 10.0 Area A B Fir Los		B 10.0 Are A B Fir			B Area A B Fir		B 10.0 Area A B Fir	Ga
Duct and Pipe loss vel 1 HL Total 15,527 rel 1 HG Total 15,527 rel 1 HG Total 1,776 Level 2 Run ft. exposed wall A Run ft. exposed wall B Celling helph Floor area Exposed Ceilings B Exposed Ceilings B Exposed Ceilings B Components North Shadec East/West South Existing Windows Skylight Doors Net exposed walls A Run ft. exposed Ceilings B Exposed Ceilings B Exposed Ceilings B Components North Shadec East/West South Existing Windows Skylight Doors Net exposed walls A Net exposed ceilings B Coundation Conductive Heatloss Heat Loss/Gair Leakage Heat Loss/Gair Case 1	Total HG Total HG R-Values Los S R-Values L	56 Gain 10.91 22.93 10.91 22.93 20.89 22.15 40.10 88.23 20.35 2.75 40.10 88.23 20.35 2.75 1.29 1.37 0.64 3.56 1.66 2.73 0.17 r Abo x	KIT 6 A B 0 0 6 Area A B Fir 0 0 Loss 6 2431 9 665	Gain 2899 606 275	237 A B F 230 L	oss Gai 642 966	12.1 44 60 n 306 130 38	5 A B B) 3 Area A B Fir) Loss	Gain 58 25	16 A B 10.0 60 Arr A B Fir 160 Lo	765	11.0 129 129 407 in 53 53 103 301 129	A B B Area A B B Fir Loss Ga 1215 1215 1439 459 4329	11.0 160 264 in 1450 28 11107 214 216 214 2266	4 A B D D Area A B Fir 4 Loss B 642 2081	766 55 140	22 A B 10.0 217 Are 5 A B Fir 220 Los 50 1	s Gain 146 104 813 1' 7	B 10.0 Area A B Fir Los		B 10.0 Are A B Fir			B Area A B Fir		B 10.0 Area A B Fir	Ga
Duct and Pipe loss vel 1 HL Total	Total Ho	56 Gain 22.93 10.91 22.93 27.35 10.91 22.93 27.35 10.91 22.93 27.35 10.91 22.93 20.89 240.90 22.15 40.10 88.23 20.35 2.75 4.78 0.65 1.66 1.66 1.37 0.64 3.56 1.66 1.66 1.37 0.64 3.56 1.66 1.77 r Abo x	KIT 6 A B 0 0 6 Area A B Fir 0 Loss 6 2431 5 5 2031	2899 606 275	237 A B F 230 L	oss Gai 642 966	12.4 44 60 n 306 22 130 39	5 A B B D D D D D D D D D D D D D D D D D	Gain 588 25	16 A B 10.0 60 Arr A B Fir 160 Lo	765 765	11.0 129 129 407 in 53 53 103 301 129	A B B Area A B B Fir Loss Ga 1215 1215 1439 459 4329 1210	11.0 160 264 in 1450 28 11107 20 114 216 214 2266 88	0 0 0 Area A B Fir 4 Loss 6 642 1032 2081 582	766 55 140 960 28	22 A B 10.0 217 Are 5 A B Fir 220 Los 50 1	s Gain 1146 104 813 117 7 966 11! 549 :	B 10.0 Area A B Fir Los		B 10.0 Are A B Fir			B Area A B Fir		B 10.0 Area A B Fir	: Ga
Duct and Pipe loss vel 1 HL Total 15,527 rel 1 HG Total 1,776 Level 2 Run ft. exposed wall A Run ft. exposed wall B Ceiling height Floor area Exposed Ceilings A Exposed Ceilings A Exposed Floors Gross Exp Wall B Components North Shaded East/Wesi South Existing Windows Skylight Doors Net exposed walls A Net exposed walls B Exposed Ceilings B Exposed Ce	Total Ho	56 Gain 22.93 10.91 22.93 22.93 22.93 22.93 22.93 22.93 22.93 22.93 22.93 22.93 23.95 24.76 26.95 27.35 26.95 27.35 27.55 27.35 27	KIT 6 A B 0 0 6 Area A B Fir 0 0 Loss 6 2431 9 665	2899 606 275	237 A B F 230 L	oss Gai 642 966	12.1 44 60 n 306 130 38	5 A B B) 3 Area A B Fir) Loss	Gain 588 25	16 A B 10.0 60 Arr A B Fir 160 Lo	765	11.0 129 129 407 in 53 53 103 301 129	A B B Area A B B Fir Loss Ga 1215 1215 1439 459 4329 1210	11.0 160 264 in 1450 28 11107 214 216 214 2266	4 A B D D Area A B Fir 4 Loss B 642 2081	766 55 140 960 28	22 A B 10.0 217 Are 5 A B Fir 220 Los 50 1	s Gain 146 104 813 1' 7	B 10.0 Area A B Fir Los		B 10.0 Are A B Fir			B Area A B Fir		B 10.0 Area A B Fir	. Ga
Duct and Pipe loss vel 1 HL Total 15,527 rel 1 HG Total 1,776 Level 2 Run ft. exposed wall A Run ft. exposed wall B Celling helph Floor area Exposed Ceilings B Exposed Ceilings B Exposed Ceilings B Components North Shadec East/West South Existing Windows Skyligh Doors Net exposed walls B Exposed Ceilings B Exposed Floors Skyligh Doors Net exposed walls A Exposed Ceilings B Exposed Floors coundation Conductive Heatloss al Conductive Heat Loss Heat Gair Ventilation Case 1 Case 2 Case 3	Total HG Total HG R-Values Los 3	56 S Gain 22.93 10.91 22.93 20.89 22.15 40.10 88.23 20.35 2.75 40.10 88.23 20.35 2.75 40.10 88.23 20.35 2.75 40.10 88.23 20.35 2.75 40.10 88.23 20.35 2.75 40.10 1.86 2.73 0.64 3.56 1.66 2.73 0.17 7 Abo	KIIT 6 A B 0 0 6 Area A B Fir 0 0 Loss 6 2431 1433 153	2899 606 275	237 A B F 230 L	966 1608 449	12.4 44 60 n 306 22 130 39	5 A B B D D D D D D D D D D D D D D D D D	Gain 588 25	16 A B 10.0 60 Arr A B Fir 160 Lo	765 765	11.0 129 129 407 in 53 53 103 301 129	A B B Area A B B Fir Loss Ga 1215 1215 1439 459 4329 1210	11.0 160 264 in 1450 28 11107 20 114 216 214 2266 88	0 0 0 Area A B Fir 4 Loss 6 642 1032 2081 582	766 55 140 960 28	22 A B 10.0 217 Are 5 A B Fir 220 Los 50 1	s Gain 1146 104 813 117 7 966 11! 549 :	B 10.0 Area A B Fir Los		B 10.0 Are A B Fir			B Area A B Fir		B 10.0 Area A B Fir	G
Duct and Pipe loss veil 1 HL Total 15,527 veil 1 HG Total 1,776 Level 2 Run ft. exposed wall A Run ft. exposed wall B Celling height Floor area Exposed Cellings B Exposed Cellings B Exposed Floors Gross Exp Wall B Gross Exp Wall B Components North Shades East/West South Existing Windows Skylight Doors Net exposed walls A Exposed Cellings B Exposed Floors oundation Conductive Heattos: tal Conductive Heattos Heat Gain People Appliances Loads Duct and Pipe loss	Total Ho	56 Gain 22.93 10.91 22.93 27.35 10.91 22.93 20.35 2.75 40.10 88.23 20.35 2.75 40.10 88.23 20.35 2.75 40.10 88.23 20.35 2.75 40.10 88.23 20.35 2.75 40.10 88.23 20.35 2.75 40.10 88.23 20.35 2.75 40.10 88.23 20.35 2.75 40.10 88.23 20.35 2.75 40.10 88.23 20.35 2.75 40.10 88.23 20.35 2.75 40.10 88.23 20.35 2.75 40.10 88.23 20.35 2.75 40.10 88.23 20.35 2.75 40.10	KIT 6 A B 0 0 6 Area A B B Fir 0 0 Loss 6 2431 5 2031 1 1433 153 0 0	Gain 2899 606 275 3780 112 206 1236	237 A A B B C S S S S S S S S S S S S S S S S S	966 1608 449	12.1 44 66 nn 306 130 33	5 A B B B B R Area A B B Fir D B B B B B B B B B B B B B B B B B B	Gain 588 25	16 A B 10.0 60 Ard A B Fir 160 Lo	765 765 214 23	11.0 129 129 407 in 53 53 103 301 129	A B B Area A B B B Fir S S Ga 1215 1215 1215 1215 1215 1210 129	11.0 160 264 in 1450 28 1107 214 216 88 162	0 Area A B Fir 4 Loss 642 1032 1032 1032 10582 62	766 55 140 960 28	22 A B 10.0 217 Are 5 A B Fir 220 Los 170 5	s Gain 146 10- 813 1' 7 966 11! 549 1	B 10.0 Area A B Fir Los		B 10.0 Are A B Fir			B Area A B Fir		B 10.0 Area A B Fir	Ga
Duct and Pipe loss vel 1 HL Total	Total Ho	56 Gain 22.93 10.91 22.93 20.89 240.90 22.15 40.10 88.23 20.35 2.75 4.78 0.65 1.37 0.65 1.37 0.65 1.37 0.65 1.37 0.65 1.37 0.65 1.37 0.65 1.37 0.65 1.37 0.65 1.37 0.65 1.37 0.65 1.37 0.65 1.37 0.65 1.37 0.67 0.02 0.05 1.37 0.47 0.48 0.58 1.29 1.37 0.67 0.02 0.05 1.47 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	KIIT 6 A B 0 0 6 Area A B Fir 0 0 Loss 6 2431 1433 153	Gain 2899 606 275 3780 112 206 1236	237 A A B B C S S S S S S S S S S S S S S S S S	966 1608 449 48 1 2105	12.1 44 66 nn 306 130 33	5 A B B D D D D D D D D D D D D D D D D D	Gain 588 25	16 A B 10.0 60 Ard A B Fir 160 Lo	765 765	11.0 129 129 407 in 53 53 103 301 129	A B B Area A A B B B Fir Loss Ga 1215 1215 1215 1215 1215 1210 129 129 5668	11.0 160 264 in 1450 28 1107 214 216 88 162	0 0 0 Area A B Fir 4 Loss 6 642 1032 2081 582	766 55 140 960 28	22 A B 10.0 217 Are 5 A B Fir 220 Los 170 5	s Gain 146 104 813 17 7 966 111 559 (B 10.0 Area A B Fir Los 10 10 10 10 10 10 10 10 10 10 10 10 10		B 10.0 Are A B Fir			B Area A B Fir		B 10.0 Area A B Fir	Ga

Division C subsection 3.2.5. of the Building Code. Individual BCIN:



Heatloss/Gain Calculations CSA-F280-12

2985 Drew Road, Suite 202, Mississauga, Ontario L4T 0A4 Tel: 905-671-9800 Fax: 647-494-9643

•			, –						e-mail dave	e@gtadesigns.ca	3 .,			
		Builder:	Bayview Wellin	gton	Date:	March 12, 20	18		Weather Data	Bradford	44 -9.4	86 22 48.2		Page 5
2012 OBC		Project:	Green Valley E	East	Model:	Barossa 7 S38-7C		System 1	Heat Loss ^1	Γ 81.4 deg. F	Ht gain ^T 11	deg. F GTA: 29	Pro 49 Lay	ject # PJ-00204 out # JB-04484
Rur E	Level 3 In ft. exposed wall A In ft. exposed wall B Ceiling height Floor area Exposed Ceilings A Exposed Ceilings B Exposed Floors Gross Exp Wall A			MAST 33 A B 9.0 329 Area 329 A B Fir	BED 18 A B 8.0 213 Area 213 A B 33 Fir 144	2 BATH 6 A B 8.0 72 Area 72 A B 45 Fir 48	BED 3 25 A B 8.0 174 Area 174 A B 157 Fir 200	WIC 13 A B 8.0 40 Area 40 A B 40 FIr	LAUN 23 A B 8.0 132 Area 132 A B 10 Fir 184	BED 4 17 A B 8.0 226 Area 226 A B FIr	ENS 4 11 A B 8.0 57 Area 57 A B FIr	ENS 24 A B 8.0 8 154 Area 154 A B Fir	A B c.0 Area A B Fir	A B 8.0 Area A B Fir
	Gross Exp Wall B Components	R-Values Loss											Less Cain	Loss Gain
	North Shaded East/West South Existing Windows Skylight Doors	3.55 2 3.55 2 3.55 2 1.99 4 2.03 4	22.93 10.91 22.93 27.35 22.93 20.89 40.90 22.15 40.10 88.23	Loss Ga 33 757	in Loss 18 413 903		Sain Loss Gain 87 34 780 9	Loss Gain 1 115 137	Loss Gain 23 527 480	Loss Gain 0 33 757 68	Loss Gain 39 19 436 397	22 504 602 22 504 459	Loss Gain	Loss Gain
N E	let exposed walls A let exposed walls B Exposed Ceilings A Exposed Ceilings B	17.03 8.50 59.22 22.86	9.58 1.29 1.37 0.64 3.56 1.66		171 126 602 211 213 293 33 96	137 72 99	46 174 239 1	107 99 473 64 112 40 55 26 26 40 109 7	132 181 8		67 69 330 45 15 57 78 37			
Foundation Cond		29.80	2.73 0.17											
Total Conductive	Heat Loss Heat Gain				1398	420		752 175 233						
Air Leakage Ventilation	Heat Loss/Gain Case 1 Case 2		.2311 0.0296 0.02 0.05 14.07 11.88	571	38 323			35 174 7	0.0		195 14			
	Case 3 Heat Gain People Appliances Loads			2	70 42 478 1	23 18 239 1 73	1 2	64 22 13	0.5 618	1 23		58 68		
Level 3 HL Total Level 3 HG Total	Duct and Pipe loss 17,207 11,873		10% HL for per room per room x 1.3	3116	1763		3102	141 1 93 23 1041 151 359	1899	1967	1064	2431 1770		
Rur E	Level 4 In ft. exposed wall A In ft. exposed wall B Ceiling height Floor area Exposed Ceilings A Exposed Ceilings B Exposed Floors Gross Exp Wall A			A B Area A B Fir	A B Area A B Fir	A B Area A B Fir	A B Area A B Fir	A B Area A B Fir	A B Area A B Fir	A B Area A B Fir	A B Area A B Flr	A B Area A B Fir	A B Area A B Fir	A B Area A B Fir
	Gross Exp Wall B Components North Shaded East/West South Existing Windows Skylight	3.55 2 3.55 2 3.55 2 1.99 4 2.03 4	22.93 10.91 22.93 27.35 22.93 20.89 40.90 22.15 40.10 88.23	Loss Ga	in Loss	Gain Loss (Gain Loss Gain	Loss Gain	Loss Gain	Loss Gain	Loss Gain	Loss Gain	Loss Gain	Loss Gain
N	Doors let exposed walls A let exposed walls B	17.03 8.50	20.35 2.75 4.78 0.65 9.58 1.29											
	Exposed Ceilings A Exposed Ceilings B		1.37 0.64 3.56 1.66											
Foundation Cond	Exposed Floors ductive Heatloss	29.80	2.73 0.17											
Total Conductive	Heat Loss Heat Gain													
Air Leakage	Heat Loss/Gain Case 1		0.000 0.0296 0.00 0.05											
Ventilation	Case 2 Case 3 Heat Gain People		0.00 0.05 14.07 11.88 0.03 0.05 239									FC		
	Appliances Loads	1 =.25 perce	ent 4943											
Level 4 HL Total Level 4 HG Total	Duct and Pipe loss 0 0		10% HL for per room per room x 1.3											
-												· · · · · · · · · · · · · · · · · · ·		

I review and take responsibility for the design work and am qualified in the appropriate category as an "other designer" under

54,324 Total Heat Loss btu/h Total Heat Gain 32,640

Division C subsection 3.2.5. of the Building Code. Individual BCIN:

Mane Maleta

David DaCosta

SB-12 Package Package A1



Page 6 PJ-00204

2985 Drew Road, Suite 202, Mississauga, Ontario L4T 0A4 Tel: 905-671-9800 Fax: 647-494-9643 Project # e-mail dave@gtadesigns.ca Layout # JB-04484 I review and take responsibility for the design work and am qualified in the appropriate category as an "other designer" under Division C subsection 3.2.5. of the Building Code. Individual BCIN: 32964 Mare Alet David DaCosta Package: Package A1 Project: **Bradford** Model: S38-7C RESIDENTIAL MECHANICAL VENTILATION DESIGN SUMMARY For systems serving one dwelling unit & conforming to the Ontario Building Code, O.reg 332/12 Location of Installation

	Location of installation	
Lot #	Plan #	
Township	Bradford	
Roll #	Permit #	
Address		
	Duilday	
Nieroo	Builder	
Name	Bayview Wellington	
Address		
City		
Tel	Fax	
	Installing Contractor	
Name	Installing Contractor	
Address		
City		
Tel	Fax	

Combustion Appliances 9.32.3.1(1)										
a)	Х	Direct vent (sealed combustion) only								
b)		Positive venting induced draft (except fireplaces)								
c)		Natural draft, B-vent or induced draft fireplaces								
d)		Solid fuel (including fireplaces)								
e)		No combustion Appliances								

Heating System									
х	Forced air								
	Non forced air								
	Electric space heat (if over 10% of heat load)								

		House Type 9.32.3.1(2)
I	Х	Type a) or b) appliances only, no solid fuel
II		Type I except with solid fuel (including fireplace)
Ш		Any type c) appliance
IV		Type I or II either electric space heat
Other		Type I, II or IV no forced air

System Design Option									
	Exhaust only / forced air system								
	HRV WITH DUCTING / forced air system								
Х	HRV simplified connection to forced air system								
	HRV full ducting/not coupled to forced air system Part 6 design								
	x								

Total Ventilation Capacity 9.32.3.3(1)											
Bsmt & Master Bdrm Other Bedrooms Bathrooms & Kitchen Other rooms	2 3 5 5	@ @	21.2 10.6 10.6 10.6 Total	cfm cfm	42.4 31.8 53 53 180.2	•					

Principal Ventilation Capacity 9.32.3.4(1)													
Master bedroom Other bedrooms	1 3	_	31.8 15.9 Total		31.8 47.7 79.5								

Principa	l Exhaust Fan Capa	city	
Make	Model	Location	
LifeBreath	RNC155	Base	
132 cfm		Sones	or Equiv.

Heat Recovery Ventilator					
Make	LifeBreath				
Model	RNC155				
	132 cfm high	80 cfm low			
Sensible efficiency @ -25 deg C 71%					
Sensible efficiency @ 0 deg C 75%					

Note: Installer to balance HRV/ERV to within 10 percent of PVC

Supplemental Ventilation Capacity					
Total ventilation capacity Less principal exhaust capacity REQUIRED supplemental vent. Capacity	180.2 79.5 100.7 cfm				

Supplemental Fans 9.32.3.5.						
Location	cfm	Model	Sones			
Ens	50	XB50	0.3			
Bath	50	XB50	0.3			
Ens 4	50	XB50	0.3			
all fans HVI listed	Make	Broan	or Equiv.			
·	•	•	•			

Designer Certification I hereby certify that this ventilation system has been designed in accordance with the Ontario Building Code.						
Name	David Da	aCosta				
Signature	Mane	166t				
HRAI#	5190	BCIN#	32964			
Date	March 12	2, 2018)PY			

Energy Efficiency Design Summary: Prescriptive Method

(Building Code Part 9, Residential)

Page 7

Project # PJ-00204 Layout # JB-04484

2985 Drew Road, Suite 202, Mississauga, Ontario L4T 0A4 Tel: 905-671-9800 Fax: 647-494-9643 e-mail dave@gtadesigns.ca

This form is used by a designer to demonstrate that the energy efficiency design of a house complies with the building code using the prescriptive method described in Subsection 3.1.1. of SB-12. This form is applicable where the ratio of gross area of windows/sidelights/skylights/glazing in doors and sliding glass doors to the gross area of peripheral walls is not more than 22%.

			For use	by Princip	oal Author	ity				
Application No:				Model/Certification Number						
A. Project Information										
Building number, street name			Baross	a 7			Unit numb	er	Lot/Con	
			S38-7	C						
Municipality Bradford			Postal cod	de	Reg. Plan	number / oth	ner descrip	tion		
B. Prescriptive Compliance [indica	ate the bu	ilding cod	e complia	nce packa	ge being	employed in	the house	design]		
SB-12 Prescriptive (input design pa	ckage):			Pack	age A1			Table:	3.1.1.2.	<u>A</u>
C. Project Design Conditions										
Climatic Zone (SB-1):		Heat. E	quip. Ef	ficiency			Spac	e Heating F	uel Sourc	e
✓ Zone 1 (< 5000 degree days)		√ ≥ 92	2% AFUE		V	Gas		Propane		Solid Fuel
☐ Zone 2 (≥ 5000 degree days)		□ ≥ 8	34% < 92%	% AFUE		Oil		Electric		Earth Energy
Ratio of Windows, Skylights & Glas	s (W, S	& G) to \	Wall Are	а			Other I	Building Cha	aracteris	tics
A	42				☐ Log/	Post&Beam		ICF Above	Grade	☐ ICF Basement
Area of Walls = <u>340.01</u> m ² or <u>3659.9</u>	ft²	W,S &	G % =	<u>17%</u>	☐ Slab	-on-ground	П	Walkout Ba	sement	
					☑ Air C	Conditioning	П	Combo Unit	:	
Area of W, S & G = <u>56.205</u> m ² or <u>605.0</u>	ft²	Utilize V	Vindow	☐ Yes	☐ Air S	Sourced Hea	t Pump (A	SHP)		
	Averaging									
D. Building Specifications [provide	values a	nd ratings	of the en	nergy effici	ency com	ponents prop	oosed]			
Energy Efficiency Substitutions										
☐ ICF (3.1.1.2.(5) & (6) / 3.1.1.3.(5))										
☐ Combined space heating and domestic	water he	ating syst	ems (3.1.	.1.2(7) / 3.	1.1.3.(7))					
☐ Airtightness substitution(s)		Table 3.1	I.1.4.B	Required:				Permitted S	Substitution	1:
Airtightness test required		Table 3.1	1110	Required:				Permitted S	Substitution	1:
(Refer to Design Guide Attached)		Table 3.		Required:				Permitted S	Substitution	n:
Building Component		mum RS //aximun				Buile	ding Con	nponent		Efficiency Ratings
Thermal Insulation	Non	ninal	Effe	ective	Windo	ws & Doo	rs Provide	e U-Value ⁽¹⁾ o	r ER rating	I
Ceiling with Attic Space	6	0			Window	s/Sliding G	lass Doo	rs		1.6
Ceiling without Attic Space	3	1			Skylight	S				2.8
Exposed Floor	3	1			Mecha	nicals				
Walls Above Grade	22				Heating	Equip.(AFL	JE)			96%
Basement Walls	20.0ci			HRV Efficiency (SRE% at 0°C)			75%			
Slab (all >600mm below grade)	1	х		DHW Heater (EF)			0.80			
Slab (edge only ≤600mm below grade)	10		DWHR (CSA B55.1 (min. 42% efficiency))		#Showers 2					
Slab (all ≤600mm below grade, or heated)	1	0			Combin	ed Heating	System			
(1) U value to be provided in either W/(m²·K) or Bt	u/(h·ft·F) b	out not bot	h.							
E. Designer(s) [name(s) & BCIN(s), if	applicable	e, of perso	on(s) prov	iding infor	mation he	rein to subst	antiate tha	t design meet	s building	code]
Name				BCIN		Signature				
David DaCosta				329	964			Mare.	14C=	
Form authorized by OHRA OROA IMCRO Revised December 1, 20										





2985 Drew Road, Suite 202, Mississauga, Ontario L4T 0A4 Tel: 905-671-9800 Fax: 647-494-9643 e-mail dave@gtadesigns.ca

Page 8 Project # PJ-00204 Layout # JB-04484

Package: System: System 1 Package A1

								7C		
			Air Leakage C	alculation	ons					
		Building Air Leakage	e Heat Loss			Building	Air Leakag	e Heat Gai	n	
	В	LRairh Vb	HL^T HLleak		В	LRairh	Vb	HG^T	HG Leak	
	0.018	0.301 34878	81.4 15360		0.018	0.074	34878	11	514	
_										\dashv
					-		Lev	rels		
			Multiplier Table (Section 11)			1	2	3	4	
L	Level Factor (LF)		onductive Air Leakage H Loss Multipl			(LF)	(LF)	(LF)	(LF)	
	evel 1 0.5	70	619 1.008	0		1.0	0.6	0.5	0.4	
	evel 2 0.3 evel 3 0.2	15360	489 0.279 295 0.231				0.4	0.3	0.3	
	evel 4 0		0.000						0.1	
			Air Leakage H	eat Gain			Levels this	s Dwelling		
	HG LI BUILDING CONDUC		514 17330 0.029	6			3	3		۰
			Ventilation Ca	alculatio	ns					
		Ventilation Heat Los	ss	I		Ventila	ation Heat G	ain		
± _		Ventilation Heat Los			V	entilation F	Jost Cain		1	nt
Vent	C PVC	HL^T (1-E) HRV		С	PVC	HG^T		vent	-	Vent
	1.08 79.5	81.4 0.16	1118	1.1	79.5	11		14	<u> </u>	
	Case 1						Case 1			
	Ventilat	ion Heat Loss (Exhaust o	only Systems)		Ventila	ation Heat G	ain (Exhaust	Only Syster	ms)	
_		Case 1 - Exhaust Onl	v	Cas	se 1 - Exh	aust Only	Multi	plier	1	_
Se	Level LF		ond. HL Multiplier	Н	Gbvent	944	0.	•	1	Se
4 5	evel 1 0.5 evel 2 0.3	16	0.07 0.02	Вι	uilding	17330	0.]	Case
Le	evel 3 0.2	111X	295 0.02							
Le	evel 4 0		0 0.00							
		Case 2					Case 2			
5	Ventilati	on Heat Loss (Direct Du	cted Systems)	<u> </u>	Ventila	tion Heat G	ain (Direct D	ucted Syste	ms)	- 2
Case			tiplier				Multi	plier]	Case
S	C HL^T 1.08 81.4	(1-E) HRV 0.16	1.07		1.08	HG^T 11	11.	.88		ပြီ
	Case 3						Case 3			
3	Ventila	ation Heat Loss (Forced	Air Systems)		Vent	ilation Heat	Gain (Forced	Air System	s)	3
ase		HLbvent	Multiplier				Vent He	at Gain	Multiplier	ase (
Tot	tal Ventilation Load		0.03	Н	Gbvent 944	HG*1.3	94		0.05	Cas
		Conductive Heat								

1832

Watts

6252

Btu/h

Foundation Conductive Heatloss Level 1

Envelope Air Leakage Calculator

Supplemental tool for CAN/CSA-F280

Weather Station	Description				
Province:	Ontario				
Region:	Bradford ▼				
Weather Station Location:	Open flat terrain, grass				
Anemometer height (m):	10				
Local Shiel	ding				
Building Site:	Suburban, forest				
Walls:	Heavy ▼				
Flue:	Heavy ▼				
Highest Ceiling Height (m):	6.10				
Building Confi	guration				
Туре:	Detached				
Number of Stories:	Two				
Foundation:	Full				
House Volume (m ³):	987.74				
Air Leakage/Ve	entilation				
Air Tightness Type:	Present (1961-) (ACH=3.57)				
	ELA @ 10 Pa. 322.44 cm ²				
Custom BDT Data:	3.57 ACH @ 50 Pa				
Mechanical Ventilation (L/s):	Total Supply: Total Exhaust:				
	39.75				
Flue #:	#1 #2 #3 #4				
Diameter (mm):	0 0 0 0				
Heating Air Leakage Rate (ACH/H):	0.301				
Cooling Air Leakage Rate (ACH/H):	0.074				

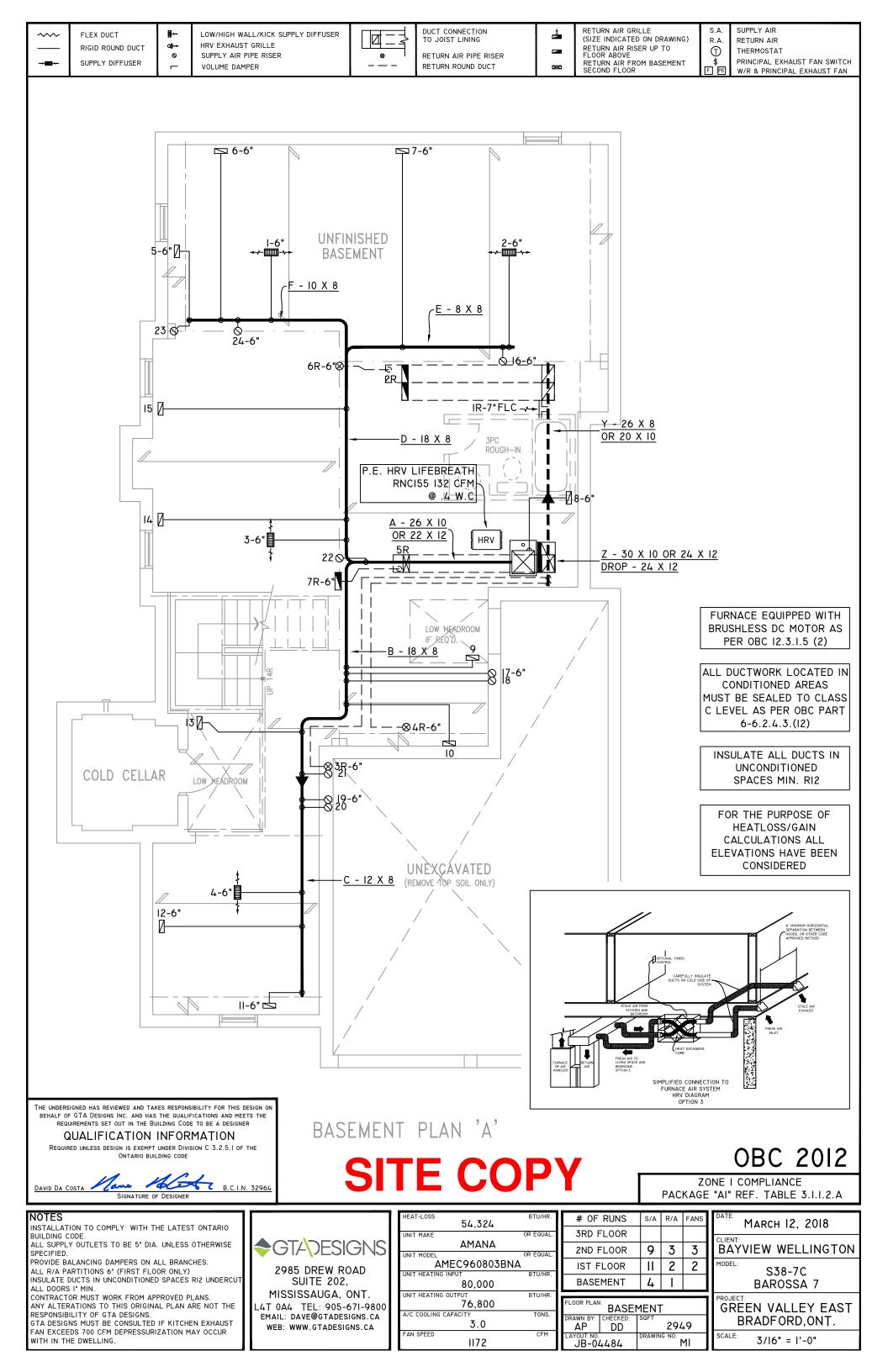
SITE COPY

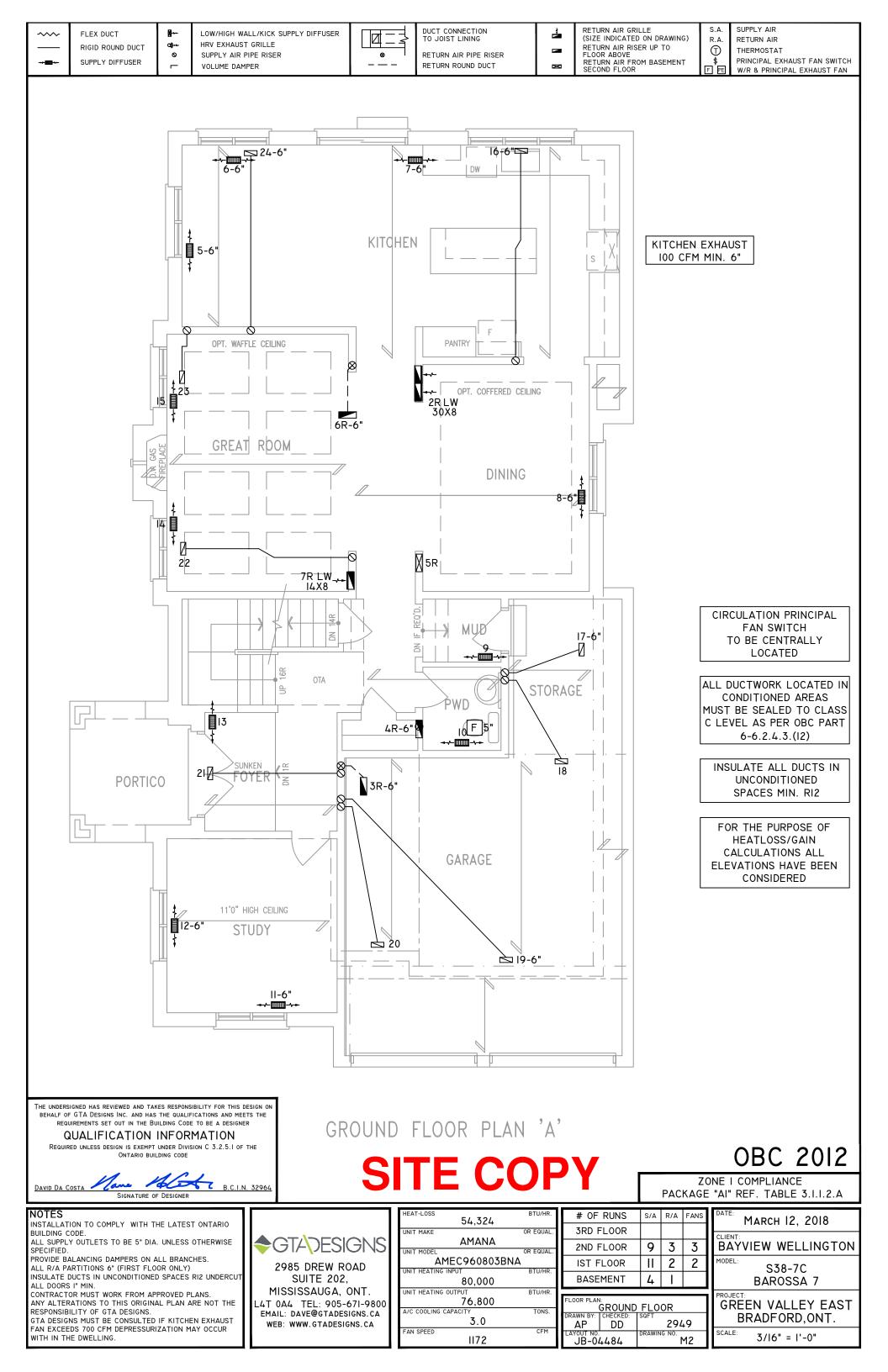
Residential Foundation Thermal Load Calculator

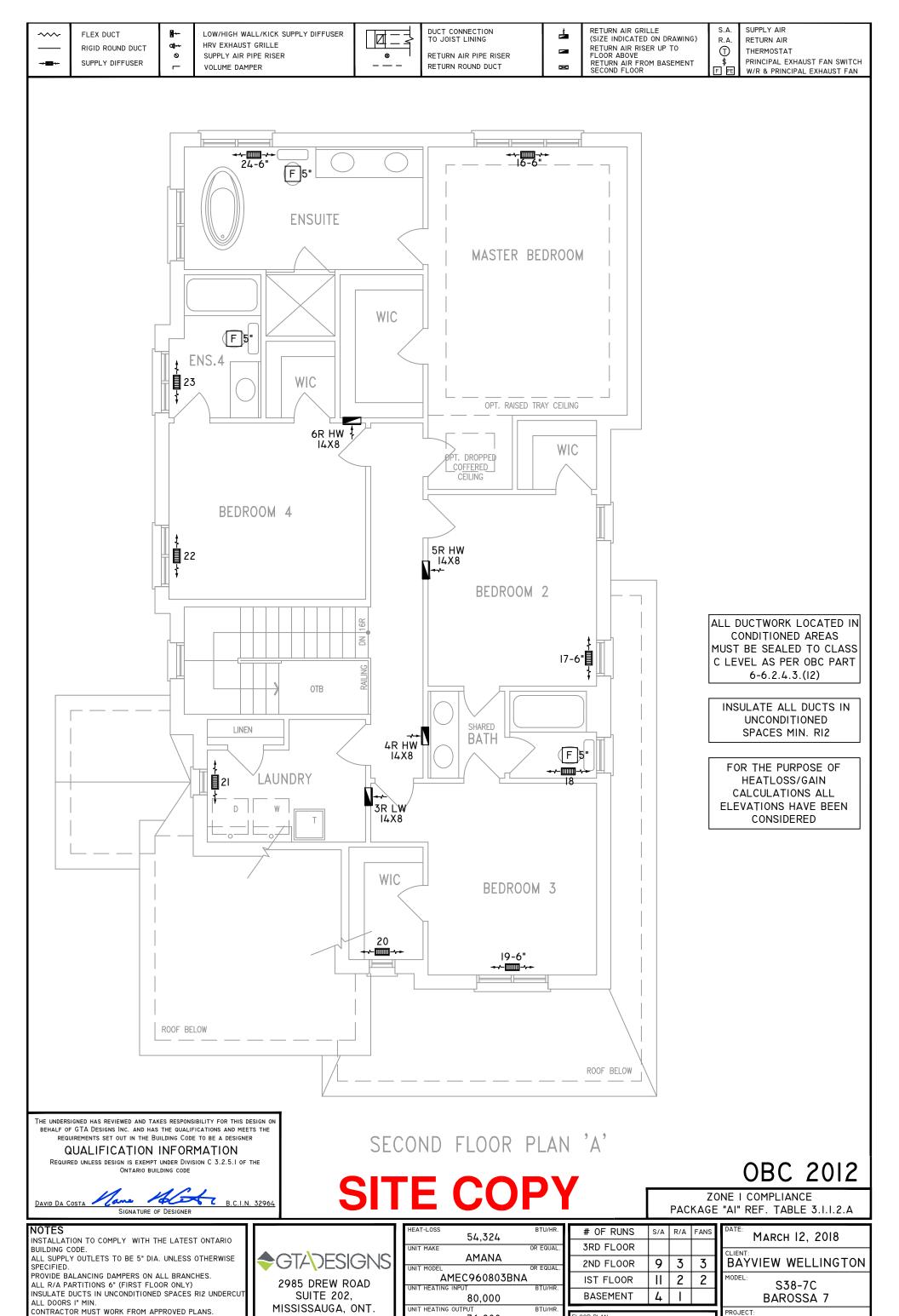
Supplemental tool for CAN/CSA-F280

Weather Station Description							
Province:		Ontario					
Region:		Bradford ▼					
Site Description							
Soil Conductivity:		High conductivity: moist soil					
Water Table:		Normal (7-10 m, 23-33 Ft) ▼					
For	undatio	on Dimensions					
Floor Length (m):	22.81						
Floor Width (m):	5.08						
Exposed Perimeter (m):	55.78						
Wall Height (m):	2.74						
Depth Below Grade (m):	2.13	Insulation Configuration					
Window Area (m²):	3.81						
Door Area (m²):	1.95						
	Radi	ant Slab					
Heated Fraction of the Slab:	0						
Fluid Temperature (°C):	33						
	Desig	n Months					
Heating Month	1						
	Founda	ation Loads					
Heating Load (Watts):		1832					

SITE COPY







SECOND FLOOR

DD

JB-04484

2949

M3

GREEN VALLEY EAST

BRADFORD, ONT.

3/16" = 1'-0"

76,800

3.0

1172

L4T 0A4 TEL: 905-671-9800 EMAIL: DAVE@GTADESIGNS.CA

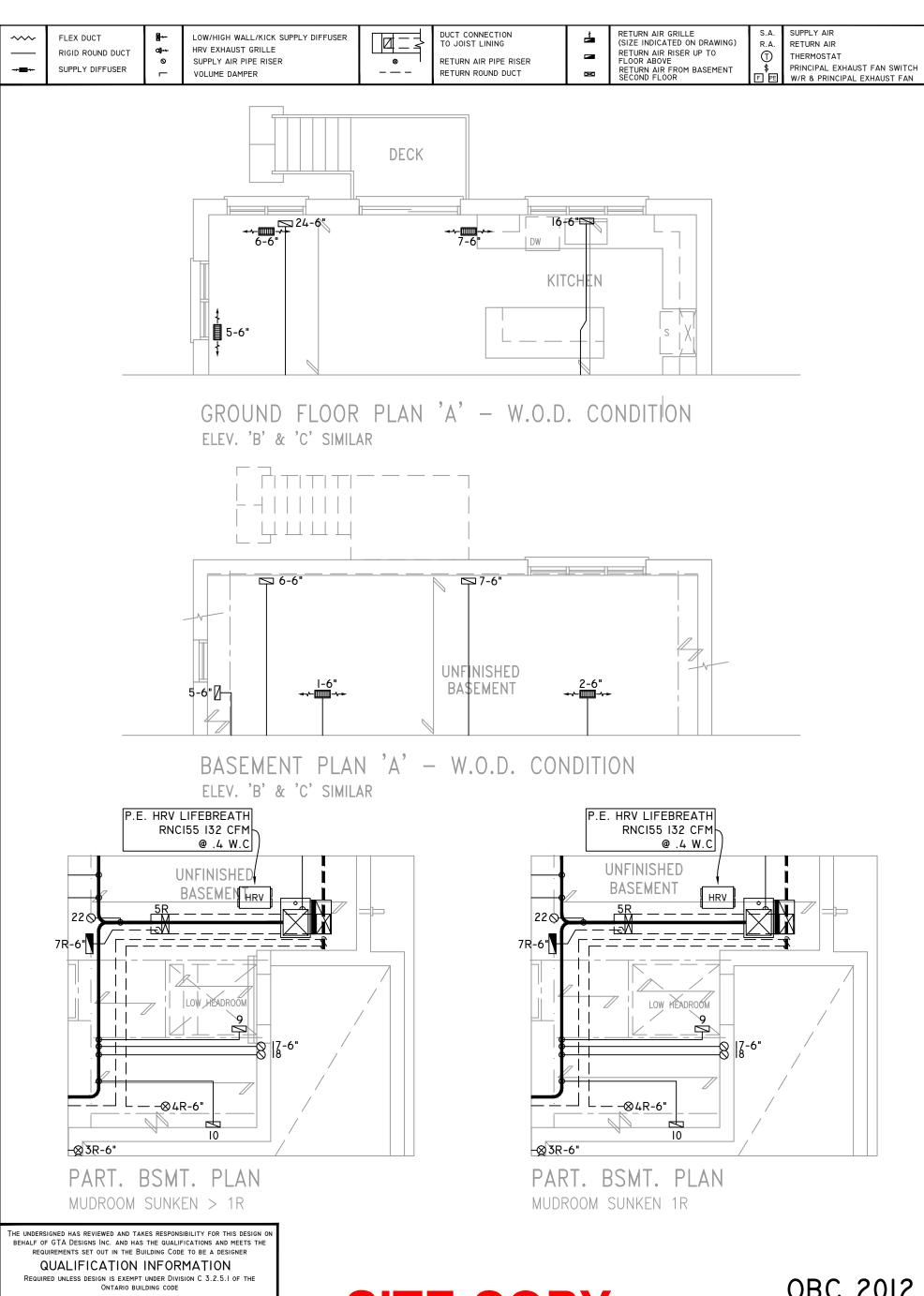
WEB: WWW.GTADESIGNS.CA

ANY ALTERATIONS TO THIS ORIGINAL PLAN ARE NOT THE

GTA DESIGNS MUST BE CONSULTED IF KITCHEN EXHAUST FAN EXCEEDS 700 CFM DEPRESSURIZATION MAY OCCUR

RESPONSIBILITY OF GTA DESIGNS.

WITH IN THE DWELLING.



SITE COPY

OBC 2012

ZONE I COMPLIANCE PACKAGE "AI" REF. TABLE 3.1.1.2.A

INSTALLATION TO COMPLY WITH THE LATEST ONTARIO

BUILDING CODE. ALL SUPPLY OUTLETS TO BE 5" DIA. UNLESS OTHERWISE

PROVIDE BALANCING DAMPERS ON ALL BRANCHES. ALL R/A PARTITIONS 6" (FIRST FLOOR ONLY) INSULATE DUCTS IN UNCONDITIONED SPACES RI2 UNDERCUT ALL DOORS I" MIN.

CONTRACTOR MUST WORK FROM APPROVED PLANS.
ANY ALTERATIONS TO THIS ORIGINAL PLAN ARE NOT THE

RESPONSIBILITY OF GTA DESIGNS. GTA DESIGNS MUST BE CONSULTED IF KITCHEN EXHAUST FAN EXCEEDS 700 CFM DEPRESSURIZATION MAY OCCUR WITH IN THE DWELLING.



2985 DREW ROAD SUITE 202,

MISSISSAUGA, ONT. L4T 0A4 TEL: 905-671-9800 EMAIL: DAVE@GTADESIGNS.CA WEB: WWW.GTADESIGNS.CA

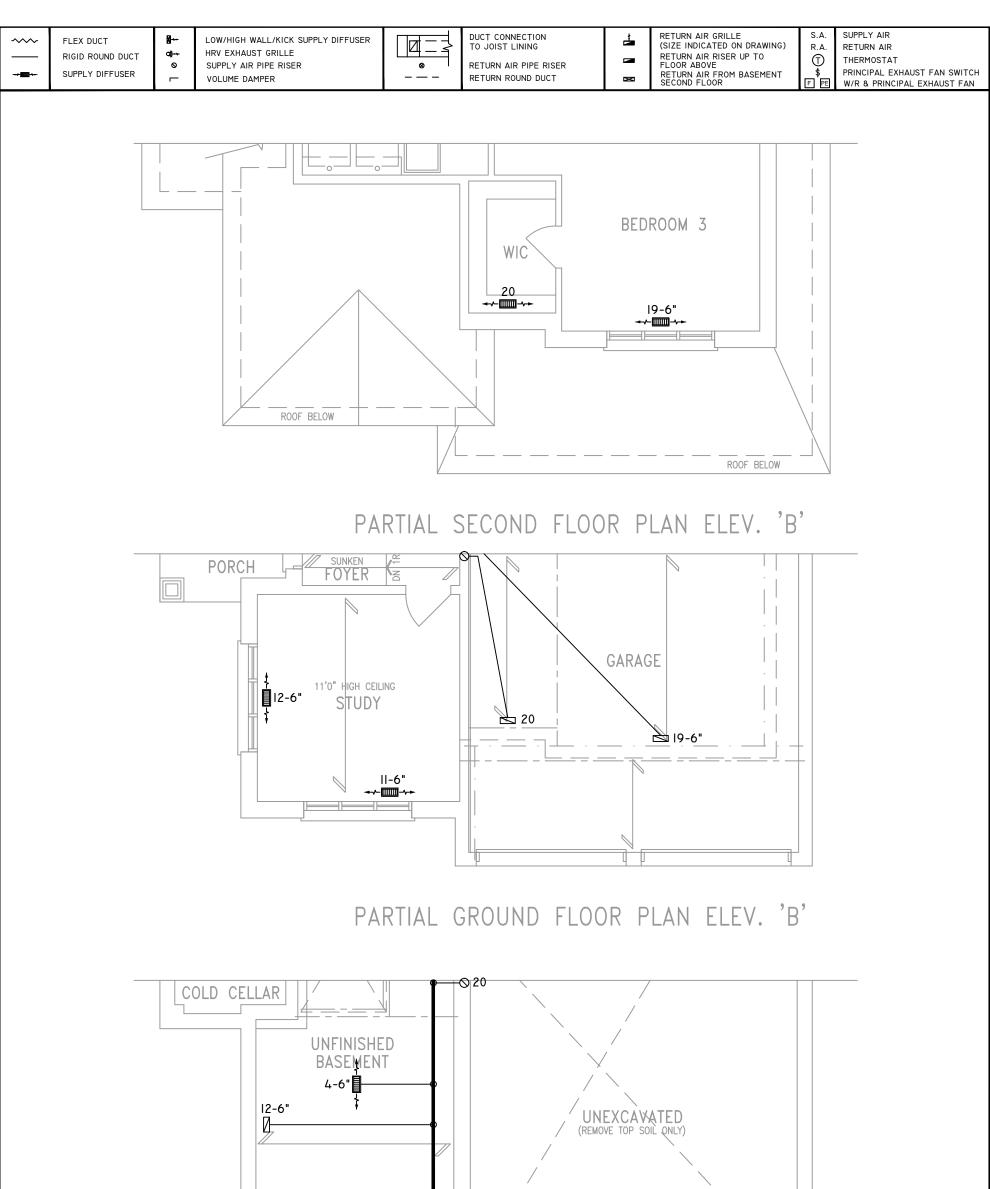
HEAT-LOSS	BTU/HR.
54,324	5 (5 / 1 / 1 / 1
34,324	
UNIT MAKE	OR EQUAL.
AMANA	
AMAMA	
UNIT MODEL	OR EQUAL.
AMEC960803B	NIA I
UNIT HEATING INPUT	BTU/HR.
80,000	
80,000	
UNIT HEATING OUTPUT	BTU/HR.
76,800	
,	
A/C COOLING CAPACITY	TONS.
3.0	
5.0	
FAN SPEED	CFM
1172	
117.2	

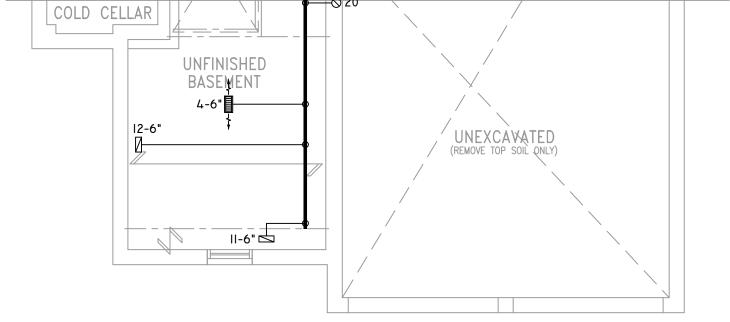
# OF	RUNS	S/A	R/A	FANS	
3RD F	FLOOR				
2ND F	FLOOR	9	3	3	
IST F	LOOR	Ш	2	2	
BASE	MENT	4	_		
FLOOR PLAN	ı: ARTIAL	PLAN	۱(S)		
DRAWN BY:	CHECKED: DD	2949			
JB-04	DRAWIN	IG NO.	M 4		

DATE.	MARCH 12, 2018
CLIENT: BAY	VIEW WELLINGTON
MODEL:	S38-7C BAROSSA 7
PROJECT	T: EN VALLEV EAST

BRADFORD, ONT.

3/16" = 1'-0"





THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN ON BEHALF OF GTA DESIGNS INC. AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE BUILDING CODE TO BE A DESIGNER

QUALIFICATION INFORMATION Required unless design is exempt under Division C 3.2.5.I of the ONTARIO BUILDING CODE

PARTIAL BASEMENT PLAN 'B'

OBC 2012

ZONE I COMPLIANCE PACKAGE "AI" REF. TABLE 3.I.I.2.A

INSTALLATION TO COMPLY WITH THE LATEST ONTARIO BUILDING CODE. ALL SUPPLY OUTLETS TO BE 5" DIA. UNLESS OTHERWISE

PROVIDE BALANCING DAMPERS ON ALL BRANCHES. ALL R/A PARTITIONS 6" (FIRST FLOOR ONLY) INSULATE DUCTS IN UNCONDITIONED SPACES RI2 UNDERCUT ALL DOORS I" MIN.

CONTRACTOR MUST WORK FROM APPROVED PLANS. ANY ALTERATIONS TO THIS ORIGINAL PLAN ARE NOT THE RESPONSIBILITY OF GTA DESIGNS.

GTA DESIGNS MUST BE CONSULTED IF KITCHEN EXHAUST FAN EXCEEDS 700 CFM DEPRESSURIZATION MAY OCCUR WITH IN THE DWELLING.



2985 DREW ROAD SUITE 202,

MISSISSAUGA, ONT. L4T 0A4 TEL: 905-671-9800 EMAIL: DAVE@GTADESIGNS.CA WEB: WWW.GTADESIGNS.CA

54,324	510/1111
UNIT MAKE	OR EQUAL.
AMANA	
UNIT MODEL	OR EQUAL.
AMEC960803BNA	
UNIT HEATING INPUT	BTU/HR.
80,000	
UNIT HEATING OUTPUT	BTU/HR.
76,800	
A/C COOLING CAPACITY	TONS.
3.0	
FAN SPEED	CFM
1172	

# OF RUNS	S/A	R/A	FANS
3RD FLOOR			
2ND FLOOR	9	3	3
IST FLOOR	П	2	2
BASEMENT	4	_	
FLOOR PLAN:	DI A.	1/01	
PARTIAL PLAN(S)			
DDAWN DV. CHECKED.	SULL		

DD

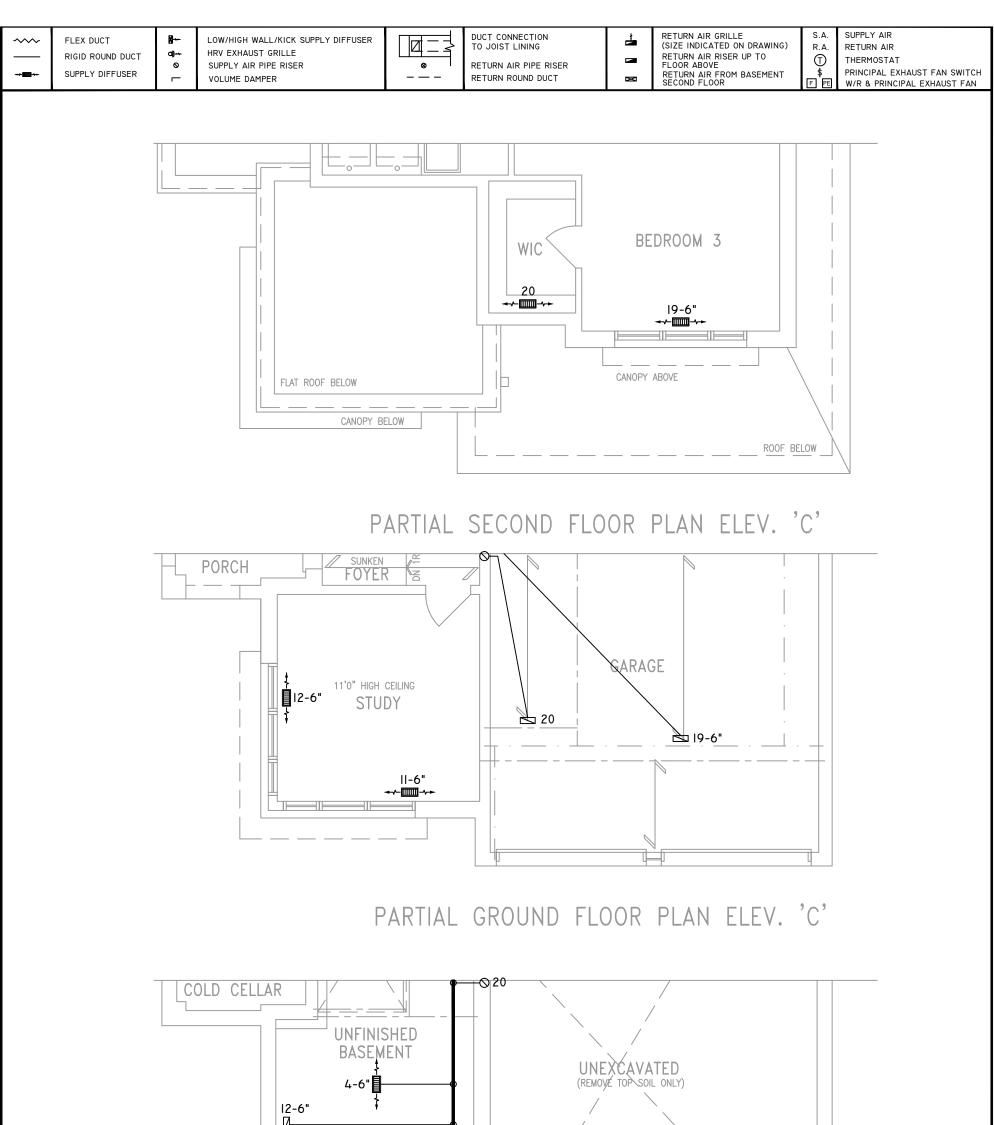
JB-04484

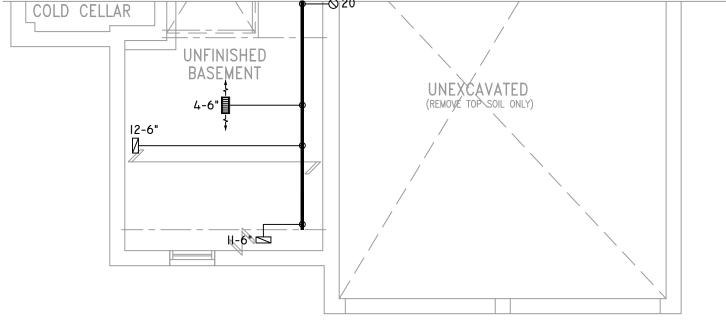
2949

M5

DATE:	MARC	н 12, 2	2018
CLIENT:	VIEW	WELL	INGTON
MODEL:	_	38-7C ROSSA	7
PROJECT	·:		

GREEN VALLEY EAST BRADFORD, ONT. 3/16" = 1'-0"





THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN ON BEHALF OF GTA DESIGNS INC. AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE BUILDING CODE TO BE A DESIGNER

QUALIFICATION INFORMATION REQUIRED UNLESS DESIGN IS EXEMPT UNDER DIVISION C 3.2.5.1 OF THE

REQUIRED UNLESS DESIGN IS EXEMPT UNDER DIVISION C 3.2 ONTARIO BUILDING CODE

DAVID DA COSTA

SIGNATURE OF DESIGNER

B.C.I.N. 32964

PARTIAL BASEMENT PLAN 'C' SITE COPY

OBC 2012

ZONE I COMPLIANCE PACKAGE "AI" REF. TABLE 3.I.I.2.A

NOTES

INSTALLATION TO COMPLY WITH THE LATEST ONTARIO BUILDING CODE.
ALL SUPPLY OUTLETS TO BE 5" DIA. UNLESS OTHERWISE

SPECIFIED.
PROVIDE BALANCING DAMPERS ON ALL BRANCHES.

PROVIDE BALANCING DAMPERS ON ALL BRANCHES.

ALL R/A PARTITIONS 6" (FIRST FLOOR ONLY)
INSULATE DUCTS IN UNCONDITIONED SPACES RIZ UNDERCUT
ALL DOORS I" MIN.

CONTRACTOR MUST WORK FROM APPROVED PLANS. ANY ALTERATIONS TO THIS ORIGINAL PLAN ARE NOT THE RESPONSIBILITY OF GTA DESIGNS.

GTA DESIGNS MUST BE CONSULTED IF KITCHEN EXHAUST FAN EXCEEDS 700 CFM DEPRESSURIZATION MAY OCCUR WITH IN THE DWELLING.



2985 DREW ROAD SUITE 202, MISSISSAUGA ONT

MISSISSAUGA, ONT. L4T 0A4 TEL: 905-671-9800 email: dave@gtadesigns.ca web: www.gtadesigns.ca

54,324	втолик.
UNIT MAKE	OR EQUAL.
AMANA	
UNIT MODEL	OR EQUAL.
AMEC960803BNA	
UNIT HEATING INPUT	BTU/HR.
80,000	
UNIT HEATING OUTPUT	BTU/HR.
76,800	
A/C COOLING CAPACITY	TONS.
3.0	
FAN SPEED	CFM
1172	

# OF RUNS	S/A	R/A	FANS
3RD FLOOR			
2ND FLOOR	9	3	3
IST FLOOR	Ш	2	2
BASEMENT	4	_	
FLOOR PLAN: PARTIAL PLAN(S)			

DD

JB-04484

2949

М6

March 12, 2018
CLIENT: BAYVIEW WELLINGTON
S38-7C BAROSSA 7
PROJECT:

GREEN VALLEY EAST BRADFORD,ONT.

