

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 Baro	ssa 1		Lot:							
S3	8-1		Lot/con.							
Municipality Bradford	Postal code	Plan number/ other description								
B. Individual who reviews and takes responsibility for des	ign activities	I								
Name David DaCosta		Firm	gtaDesigns Inc.							
Street address 2985 Drew Ro	oad, Suite 202		Unit no.	Lot/con.						
Municipality	Postal code	Province	E-mail							
Mississauga Telephone number	L4T 0A4	Ontario	dave@gtadesi	gns.ca						
(905) 671-9800	Fax number (64)	Cell number (416) 268-6820								
C. Design activities undertaken by individual identified in	Section B. [Bu	ilding Code Table	, ,							
☐ House ☑ HVAC –	House		☐ Building Structural							
☐ Small Buildings ☐ Building			☐ Plumbing – House							
	n, Lighting and Po	wer	☐ Plumbing – All Buildings	,						
☐ Complex Buildings ☐ Fire Prot			☐ On-site Sewage System							
Description of designer's work M	odel Certificatio	n	Project #:	PJ-00204						
			Layout #:	JB-04480						
Heating and Cooling Load Calculations Mai		Builder	Bayview Wellingto							
Air System Design Alternat		Project	Green Valley East	t						
Residential mechanical ventilation Design Summary Area Sq f Residential System Design per CAN/CSA-F280-12	t: 2228	Model	Barossa 1 S38-1							
Residential New Construction - Forced Air		SB-12	Package A1							
D. Declaration of Designer		0D 12	1 donage A1							
l David DaCosta	declare that (choose one as app	copriate):							
(print name)			-1							
☐ I review and take responsibility fo	r the design work	on behalf of a firm re	OF BRADFORD WEST GW NG DEPARTMENT gistered in der subsection							
3.2.4 Division C of the Building C classes/categories.	ode. I am qualifie		Recognition and recognition and the second s	IES						
Individual BCII	N:	DATE.	_							
Firm BCIN:		INSPE	CTOR: BG							
	•									
Individual BCII	N: 329	64								
Basis for exen	nption from regist	ration:	Division C 3.2.4.1. (4)							
☐ The design work is exempt from t	the registration ar	d qualification require	ments of the Building Code.							
Basis for exen	nption from regist	ration and qualification	n:							
I certify that:										
	, ,									
I have submitted this application with the knowledge and conse	nt of the firm.									
March 12, 2018		Mana 14	blite							
Date		Signature of D)esigner							

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 under Subsections 3.2.4. and 3.2.5.of Division C.

Schedule 1 does not require to be completed a holder of a license, temporary license, or a certificate of authorization, issed by the
Ontario Association of Architects. Schedule 1 is also not required to be completed by a holder of a license to practise, 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

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Heat loss and gain calcul	ation 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-04480								
Building I	Location								
Address (Model): \$38-1	Site: Green Valley East								
Model: Barossa 1	Lot:								
City and Province: Bradford	Postal code:								
Calculations	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: 2228								
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	nin Caculations based on CSA-F280-12 Effective R-Values								
Notes: Residential New C	Construction - Forced Air								
Calculations p	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								
	, ,								



Builder:

Inlet Size

Trunk

Bayview Wellington

Air System Design

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

SB-12 Package A1 March 12, 2018

Date:

x

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14

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Barossa 1 System 1 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.

Project #

Page 3 PJ-00204

Mane Alex S38-1 JB-04480 Project: **Green Valley East** Model: Individual BCIN: David DaCosta Layout # DESIGN LOAD SPECIFICATIONS AIR DISTRIBUTION & PRESSURE FURNACE/AIR HANDLER DATA: BOILER/WATER HEATER DATA: A/C UNIT DATA: Level 1 Net Load 13,211 btu/h **Equipment External Static Pressure** 0.5 "w.c. 2.5 Ton Make Туре Amana Level 2 Net Load 15,574 btu/h **Additional Equipment Pressure Drop** 0.225 "w.c. Model AMEC960603BNA Model Cond.--2.5 Level 3 Net Load 14.529 btu/h Available Design Pressure 0.275 "w.c. Input Btu/h 60000 Input Btu/h Coil 2.5 Level 4 Net Load Return Branch Longest Effective Length 300 ft Output Btu/h 57600 Output Btu/h 0 btu/h 43 314 htu/h " W C Min.Output Btu/h ΔWH Total Heat Loss R/A Plenum Pressure 0 138 "w c 0.50 E.s.p. Blower DATA: **Total Heat Gain** 24,363 btu/h S/A Plenum Pressure 0.14 "w.c. Water Temp deg. F. W2 47,645 Btuh. Heating Air Flow Proportioning Factor 0.0270 cfm/btuh **AFUE** Blower Speed Selected: Blower Type ECM Combo System HL + 10% 96% (Brushless DC OBC 12.3.1.5.(2)) **Building Volume Vb** 25650 ft3 Cooling Air Flow Proportioning Factor 0.0395 cfm/btuh Aux. Heat 1.118 Btuh. R/A Temp SB-12 Package Package A1 Heating Check 1170 cfm Ventilation Load 70 dea. F. Cooling Check 963 cfm Ventilation PVC 79.5 cfm S/A Temp 116 deg. F. Supply Branch and Grill Sizing Diffuser loss Temp. Rise>>> 1170 cfm Cooling Air Flow Rate 0.01 "w.c. 46 deg. F. Selected cfm> 963 cfm Level 1 Level 2 S/A Outlet No. 2 5 6 10 11 Room Use BASE BASE BASE BASE KIT KIT MUD FOY **PWD** GRT GRT Btu/Outlet 3303 3303 3303 3303 2365 2365 986 3453 1006 2699 2699 **Heating Airflow Rate CFM** 89 89 89 89 64 64 27 93 27 73 73 Cooling Airflow Rate CFM 18 18 18 90 90 57 22 103 103 18 0.13 **Duct Design Pressure** 0.13 **Actual Duct Length** 37 34 19 25 38 48 33 23 14 38 **Equivalent Length** 120 130 110 110 70 70 70 70 70 70 70 70 70 70 130 160 130 100 100 80 70 70 70 70 70 70 70 70 Total Effective Length 157 164 129 135 70 70 70 70 70 70 70 70 70 168 208 163 123 114 86 108 70 70 70 70 70 70 70 70 Adjusted Pressure 0.08 0.08 0.10 0.10 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.08 0.06 0.08 0.11 0.11 0.15 0.12 0.19 0.19 0.19 0.19 0.19 0.19 0.19 **Duct Size Round** 6 6 **Outlet Size** 4x10 4x10 4x10 4x10 4x10 4x10 3x10 3x10 4x10 Trunk В В Level 3 Level 4 S/A Outlet No. 12 13 17 18 14 15 16 19 Room Use MAST IAUN RFD 2 BFD 3 BFD 3 RATH RFD 4 FNS Btu/Outlet 2859 1404 3101 1625 1625 865 1128 1922 52 **Heating Airflow Rate CFM** 77 38 84 44 23 30 Cooling Airflow Rate CFM 46 81 21 39 88 48 48 50 **Duct Design Pressure** 0.13 **Actual Duct Length** 51 40 49 47 46 41 50 **Equivalent Length** 100 140 110 100 110 115 130 115 70 151 171 70 70 70 Total Effective Length 180 159 147 153 161 165 70 70 70 70 70 70 70 70 70 70 70 70 70 70 70 70 70 Adjusted Pressure 0.09 0.07 0.08 0.09 0.08 0.08 0.08 0.08 0.19 **Duct Size Round** 6 5 5 5 Outlet Size 3x10 3x10 4x10 3x10 4x10 3x10 3x10 3x10 4x10 Trunk R D C Return Branch And Grill Sizing Grill Pressure Loss 0.02 "w.c **Return Trunk Duct Sizing** Supply Trunk Duct Sizing R/A Inlet No. 1R 2R 3R 4R 5R 6R 7R 8R 9R 10R 11R Trunk CFM Press. Round Rect. Size Trunk CFM Press. Round Rect. Size Inlet Air Volume CFM 179 471 155 155 105 105 **Duct Design Pressure** 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 1170 0.05 17.0 24x12 676 0.06 13.5 20x8 16x10 Drop Α 25 0.05 435 0.06 37 36 56 60 z 1170 17.0 R 115 **Actual Duct Length** 9 26v10 22x12 14v8 12v10 **Equivalent Length** 155 165 155 170 205 195 50 50 50 50 50 Υ 365 0.05 11.5 14x8 12x10 c 493 0.08 11.5 14x8 12x10 50 **Total Effective Length** 164 190 192 206 261 255 50 50 50 50 Х 226 0.08 8.5 8x8 Adjusted Pressure 0.07 0.06 0.06 0.06 0.05 0.05 0.24 0.24 0.24 0.24 0.24 w **Duct Size Round** 7.0 12.0 8.0 8.0 6.0 6.0 SITE COPY Inlet Size FLC 8

s R

Q



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

		Builder:	Bayv	view Well	ington	1		Date:			March 1	2, 2018							Wea	ther Data	Br	radford	44	-9.4	86 22	48.2				Page 4
2012 OBC		Project:	Gre	en Valley	East			lodel:			Baros S38				_	5	System	1	Hea	at Loss ^T	「 81.4 deg. F	F	Ht gain ^T	11	deg. F	GTA:	2228		Project # Layout #	PJ-00204 JB-04480
			0.0	on vanoj	Luot										-								9						,	
_	Level 1					BASE								_			_				_				_					
	ft. exposed wall A ft. exposed wall B				150	A R		A			A R			A R			A R		A R		A B		A R		A R		A R		A	
Kun	Ceiling height				4.0	_		4.0 A			4.0 AG		4.0	D AG			AG		4.0 AG		4.0 AG		4.0 AG		4.0 AG		4.0 AG	i	4.0 A	
	Floor area				894				rea		Area			Area			Area		Area		Area		Area		Area		Are			rea
E	xposed Ceilings A					Α		A			Α			Α			Α		Α		Α		Α		Α		Α		Α	
Ex	xposed Ceilings B					В		В			В			В			В		В		В		В		В		В		В	
	Exposed Floors					Flr		F	lr		Flr			Flr			Flr		Flr		Flr		Flr		Fir		Fir		F	r
	Gross Exp Wall A Gross Exp Wall B				597																									
	Components	R-Values I	oss G	iain		Loss	Gain		oss Gai	in	Loss	Gain		Loss	Gain		Loss	Gain	Loss	Gain	Loss	Gain	Loss	Gain	Loss	Gain	Lo	ss Gain	1	oss Gain
	North Shaded	3.55	22.93	10.91	3	69															1						T		T Ē	
	East/West	3.55	22.93	27.35	14	321																								
	South	3.55	22.93	20.89	3	69	63																							
	WOB Windows	3.15	25.84	28.32																										
	Skylight	2.03 4.00	40.10 20.35	88.23 2.75	21	407	58																							
No	Doors et exposed walls A	21.12	3.85	0.52	556	427	290																							
	et exposed walls B	14.49	5.62	0.76	330		230																							
	xposed Ceilings A	59.22	1.37	0.64																										
E	xposed Ceilings B	22.86	3.56	1.66																										
	Exposed Floors	29.80	2.73	0.17																										
	uctive Heatloss Heat Loss	On Grade () or Abo			6021 6906																								
Total Conductive	Heat Gain					6906	826																							
Air Leakage	Heat Loss/Gain		0.8749	0.0332		6042																								
	Case 1		0.08	0.08																										
Ventilation	Case 2		14.07	11.88																										
	Case 3	x	0.04	0.08		262	64																							
	Heat Gain People	4 05		239 3647			456																							
	Appliances Loads Duct and Pipe loss	1 =.25 p∈	ercent	10%	0.5		436																							
Level 1 HL Total	13,211	Tot	tal HL for p			13211																								
Level 1 HG Total			HG per roo				1785																							
·	,																													
	Level 2					KIT			MUD		F	nΥ		PWD	,		GRT													
Run	ft. exposed wall A				43			7 A			33 A		1	1 A		56			Α		Α		Α		Α		Α		А	
	ft. exposed wall B				- 1	В		Е			В			В			В		В		В		В		В		В		В	
	Ceiling height				10.0			12.0			1.0		10.			10.0			10.0		10.0		10.0		10.0		10.0		10.0	
_	Floor area				291			72 A			92 Area		6:	2 Area			Area		Area		Area		Area		Area		Are	:a		ea
	xposed Ceilings A xposed Ceilings B				58	A B		A			A B			A B		5	A B		A B		A B		A B		A B		A B		A B	
E.	Exposed Floors					Fir		F			Flr			Fir			Fir		Flr		Flr		Flr		Flr		Fir		F	
	Gross Exp Wall A				430	•••		84		3	63		110			560			• • • •		• • •		• • •		• • •		• • • • • • • • • • • • • • • • • • • •			•
	Gross Exp Wall B																													
	Components			ain	ļ	Loss	Gain	L	oss Ga	in	Loss	Gain		Loss	Gain	1	Loss	Gain	Loss	Gain	Loss	Gain	Loss	Gain	Loss	Gain	Lo	ss Gain	L	oss Gain
	North Shaded	3.55	22.93	10.91		4700	2252						00 4					050												
	East/West South	3.55 3.55	22.93 22.93	27.35 20.89	75	1720	2052				27 6	19 7	39 1:	2 275	328	24 48		656 1003												
	Existing Windows	1.99	40.90	22.15												40	1101	1003												
	Skylight	2.03	40.10	88.23																										
	Doors	4.00	20.35	2.75				21	427				58																	
	et exposed walls A	17.03	4.78	0.65	355	1697	229	63	301	41 3	15 15	06 2	03 9	B 468	63	488	2333	315												
Ne	et exposed walls B xposed Ceilings A	8.50 59.22	9.58 1.37	1.29 0.64	58	00	27									_	7	2												
	xposed Ceilings B	22.86	3.56	1.66	28	80	37									5	- 1	3												
	Exposed Floors	29.80	2.73	0.17																										
Foundation Condu	uctive Heatloss			x																										
Total Conductive	Heat Loss					3496			728		25			744			3990													
	Heat Gain		0.0450	0.0000		4	2318		000	98		10			392		40==	1977												
Air Leakage	Heat Loss/Gain Case 1		0.3150	0.0332		1101	77		229	3	8	04	33	234	13		1257	66												
Ventilation	Case 1		14.07	11.88																						\perp				
	Case 3	х	0.04	0.08		133	180		28	8		97	78	28	30		152	153												
	Heat Gain People			239																										
	Appliances Loads	1 =.25 pe	ercent	3647	1.0		912									2.0		1824							T 🖥					
	Ouct and Pipe loss			10%					225																					
Level 2 HL Total Level 2 HG Total	15,574 11,910		tal HL for p			4730	4533		986	142	34		44	1006	565		5399	5226												
Level 2 HG Total	11,910	rotal	HG per roo	ш х 1.3	L		4033	L		142	Щ.	14	-+4	L	202			5226							J L					
																													CD-12 D	

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

Total Heat Loss 43,314 btu/h Division C subsection 3.2.5. of the Building Code. Individual BCIN: Total Heat Gain 24,363 btu/h

Man 16Cot 2

David DaCosta

SB-12 Package Package A1



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

Run ft. exposed wall A Run ft. exposed wall A Celling height Floor area Exposed Ceilings A Exposed Ceilings B Exposed Ceilings A Components Gross Exp Wall B Components North Shaded	Project:	Green Valley	MAST 32 A B 9.0 283 Area	-	odel:LAU		Barossa S38-1 BED 2	2	BED :	3	System		ВЕ	eat Loss ^T		g. F ENS	Ht gain ^T	11 de	eg. F	GTA:	2228	Proje Layo	ect# ut#	PJ-00204 JB-04480
Run ft. exposed wall A Run ft. exposed wall B Ceiling height Floor area Exposed Ceilings A Exposed Ceilings B Exposed Floors Gross Exp Wall B Components North Shaded	Project:	Green Valley	MAST 32 A B 9.0 283 Area	-	LAU 11 A B		BED 2	2		3	ВАТН		ВЕ				Ht gain ^1	11 de	eg. F	GIA:	2228	Layo	out #	JB-04480
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 Shaded			32 A B 9.0 283 Area	•	11 A B		27 A			3				ED 4		ENS								
Run ft. exposed wall B Ceiling height Floor area Exposed Ceilings A Exposed Ceilings B Exposed Floors Gross Exp Wall A Gross Exp Wall B Components North Shaded			B 9.0 283 Area		В			2	6 Δ															
Ceiling height Floor area Exposed Ceilings A Exposed Ceilings B Exposed Floors Gross Exp Wall B Components North Shaded			9.0 283 Area								10 A		11 A		22 A		Α		Α		Α		Α	
Floor area Exposed Ceilings A Exposed Ceilings B Exposed Floors Gross Exp Wall A Gross Exp Wall B Components North Shaded			283 Area				В		В		В		В		В		В		В		В		В	
Exposed Ceilings A Exposed Ceilings B Exposed Floors Gross Exp Wall A Gross Exp Wall B Components North Shaded					8.0		8.0	10.			8.0		8.0		8.0		8.0		8.0		8.0		8.0	
Exposed Ceilings B Exposed Floors Gross Exp Wall A Gross Exp Wall B Components North Shaded			283 A		129 Area 129 A		76 Area 76 A		8 Area 8 A		80 Area 80 A		135 Area	а	117 Ar	ea	Area A		Area		Area A		Area	
Exposed Floors Gross Exp Wall A Gross Exp Wall B Components North Shaded			283 A B		129 A B	1	76 А	16	B B		80 A B		135 A B		117 A		В		A B		B		A B	
Gross Exp Wall A Gross Exp Wall B Components North Shaded			Flr		34 Flr	1	57 Flr	6	4 Flr		5 Flr		Fir		Fli		Fir		Fir		Flr		Flr	
Gross Exp Wall B Components North Shaded			288		88		16	26			80		88		176									
North Shaded																								
			Loss	Gain	Loss	Gain	Loss	Gain	Loss	Gain	Loss	Gain	Los	s Gain	Lo	ss Gain	Loss	Gain	Loss	Gain	Loss	Gain	Loss	Gain
East/West		22.93 10.91			18 41																			
	3.55	22.93 27.35	28 642	766			30 688	821 3	9 894	1067	10 229	274	46	207	16	367 438						4		
South Existing Windows	3.55 1.99	22.93 20.89 40.90 22.15											16	367 334	13	298 272								
Skylight	2.03	40.10 88.23																			1			
Doors	4.00	20.35 2.75																						
Net exposed walls A	17.03	4.78 0.65	260 1243	168	70 33	5 45 1	86 889	120 22	1 1056	143	70 335	45	72	344 47	147	703 95								
Net exposed walls B	8.50	9.58 1.29																						
Exposed Ceilings A	59.22	1.37 0.64	283 389	182	129 17	7 83 1	76 242	113 16	8 231	108	80 110	51	135	186 87	117	161 75								
Exposed Ceilings B	22.86	3.56 1.66																						
Exposed Floors	29.80	2.73 0.17			34 9	3 6 1	57 429	26 6	4 175	11	5 14	1												
Foundation Conductive Heatloss			2074		101		2248		2356		688			897		1528						1		
Total Conductive Heat Loss			2274	1115	101	330	2248	1080	2336	1328	688	371		467		1528 879								
Air Leakage Heat Loss/Gain		0.2196 0.0332	499		22		494		517		151	12		197 16		336 29								
Case 1		0.02 0.08																						
Ventilation Case 2		14.07 11.88																						
Case 3	x	0.04 0.08	86		3	9 26	85		90		26	29		34 36		58 68						4		
Heat Gain People		239	2	478			1	239	1	239			1	239										
Appliances Loads	1 =.25 perc				0.5	456		400														4		
Duct and Pipe loss Level 3 HL Total 14,529	Total	HL for per room	2859		1 12 140		1 274 3101		1 287 3251		865		1	128		1922								
Level 3 HG Total 10,668		3 per room x 1.3	2000	2232	140	1172	3101	2042	3231	2432	003	536		985		1270								
			·L											1				L				.ii		
Level 4																								
Run ft. exposed wall A	Ч.		Α		Α		Α		Α		Α		Α		Α		Α		Α		Α		Α	
Run ft. exposed wall B			В		В		В		В		В		В		В		В		В		В		В	
Ceiling height																								
Floor area			Area		Area		Area		Area		Area		Area	a	Ar		Area		Area		Area		Area	
Exposed Ceilings A			A		A		A		A		A		A		A		A		A		A		A	
Exposed Ceilings B Exposed Floors			B Flr		B Flr		B Flr		B Fir		B Flr		B Fir		B Fli		B Flr		B Flr		B Flr		B Fir	
Gross Exp Wall A			FII		FII		FII		FII		FII		FII		FII		FII		FII		FII		FII	
Gross Exp Wall B																								
	R-Values Los	ss Gain	Loss	Gain	Loss	Gain	Loss	Gain	Loss	Gain	Loss	Gain	Los	s Gain	Lo	ss Gain	Loss	Gain	Loss	Gain	Loss	Gain	Loss	Gain
North Shaded		22.93 10.91																						
East/West		22.93 27.35																						
South	3.55	22.93 20.89																						
Existing Windows	1.99 2.03	40.90 22.15 40.10 88.23																						
Skylight Doors	4.00	20.35 2.75																						
Net exposed walls A	17.03	4.78 0.65																						
Net exposed walls B	8.50	9.58 1.29																						
Exposed Ceilings A	59.22	1.37 0.64																						
Exposed Ceilings B		3.56 1.66																						
Exposed Floors	29.80	2.73 0.17																						
Foundation Conductive Heatloss Total Conductive Heat Loss																								
Total Conductive Heat Loss Heat Gain																								
Air Leakage Heat Loss/Gain		0.0000 0.0332																						
Case 1		0.00 0.08																						
Ventilation Case 2		14.07 11.88																						
Case 3	х	0.04 0.08																				יובר		
		239		1		1 1									l l'						. 📕 🦅			\perp
Heat Gain People						1															· _			
Heat Gain People Appliances Loads	1 =.25 perc	ent 3647																						
Heat Gain People Appliances Loads Duct and Pipe loss		ent 3647 10%													\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \									
Heat Gain People Appliances Loads Duct and Pipe loss	Total	ent 3647													1						\mathcal{I}			

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

43,314 Total Heat Loss btu/h Total Heat Gain 24,363

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

Mane Maleta

David DaCosta

SB-12 Package Package A1



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

Project # Layout # Page 6 PJ-00204 JB-04480

Package:	Package A1			
Project:	Bradford	Model:	S38-1	
	RESIDENTIAL MECHANICAL	VENTILATION DES	SIGN SUMMARY	
	For systems serving one dwelling unit & co			
	-			
	Location of Installation	Total V	entilation Capacity 9.32.3.3	3(1)
Lot #	Plan #	Bsmt & Master Bdrm	2 @ 21.2 cfm	n 42.4 cfm
Township	D # 1	Other Bedrooms	3 @ 10.6 cfm	
	Bradford	Bathrooms & Kitchen		
Roll #	Permit #	Other rooms	3 @ 10.6 cfm	
A -l -l			Total	148.4
Address				
		Principal	I Ventilation Capacity 9.32.3	3.4(1)
	Builder		, , , , , , , , , , , , , , , , , , ,	(-)
Name		Master bedroom	1 @ 31.8 cfm	
	Bayview Wellington	Other bedrooms	3 @ 15.9 cfm	
Address			Total	79.5
City				
Oity		Prin	cipal Exhaust Fan Capacity	1
Tel	Fax	Make	Model	Location
				_
		LifeBreath	RNC155	Base
Name	Installing Contractor	132 cfm		Sones or Equiv.
ranio		102 01111		Conco or Equiv.
Address		H	Heat Recovery Ventilator	
		Make	LifeBreath	
City		Model	RNC155	00 -f l
Tel	Fax	Sensible efficiency @	132_ cfm high 25 deg C	80 cfm low 71%
		Sensible efficiency @		75%
			lance HRV/ERV to within 10 p	percent of PVC
	Combustion Appliances 9.32.3.1(1)	Suppl	lemental Ventilation Capaci	ty
a) x	Direct vent (sealed combustion) only	Total ventilation conc	oit.	1.40.4
b)	Positive venting induced draft (except fireplaces) Natural draft, B-vent or induced draft fireplaces	Total ventilation capa Less principal exhaus	,	148.4 79.5
d)	Solid fuel (including fireplaces)	REQUIRED supplement		68.9 cfm
e)	No combustion Appliances	i i a a a a a a a a a a a a a a a a a a	omai romi capacity	
, 🗀				
		Su	ipplemental Fans 9.32.3.5.	
	Heating System	Location	cfm Model	Sones
Х	Forced air	Ens	50 XB50	0.3
	Non forced air Electric space heat (if over 10% of heat load)	Bath	50 XB50	0.3
	Electric space fleat (ii over 10% of fleat load)			
	House Type 9.32.3.1(2)			
l x	Type a) or b) appliances only, no solid fuel	all fans HVI listed	Make Broan	or Equiv.
	Type I except with solid fuel (including fireplace)			
III L	Any type c) appliance Type I or II either electric space heat	l boroky soutify the state	Designer Certification	an decigned
IV Other	Type I, II or IV no forced air		nis ventilation system has bee e Ontario Building Code	an designed
_ · · · · · · ·	. ,,			

Designer Certification									
I hereby certify that this ventilation system has been designed									
in accordance with the Ontario Building Code.									
Name	David D	aCosta							
Signature	Hans	1462							
HRAI#	5190	BCIN#	32964						

March 12, 2018

Date

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

Energy Efficiency Design Summary: Prescriptive Method

(Building Code Part 9, Residential)

Page 7

Project # PJ-00204 Layout # JB-04480

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	pal Authority						
Application No:					Model/Certification N	lumber					
A. Project Information											
Building number, street name			Baross	a 1		Unit	numbe	r	Lot/Con		
			S38-	1							
Municipality Bradford			Postal cod	de	Reg. Plan number / c	other de	escripti	on			
B. Prescriptive Compliance [indica	ate the bu	ilding code	e complia	nce packa	age being employed i	n the h	nouse	design]			
SB-12 Prescriptive (input design pa	ckage):			<u>Pack</u>	<u>rage A1</u> Table: <u>3.1.1.2.A</u>						
C. Project Design Conditions											
Climatic Zone (SB-1):		Heat. E	quip. Ef	ficiency		5	Space	Heating F	uel Sourc	e	
✓ Zone 1 (< 5000 degree days)		√ ≥ 92	% AFUE		☑ Gas			Propane		Solid Fuel	
☐ Zone 2 (≥ 5000 degree days)	Zone 2 (≥ 5000 degree days) □ ≥ 84% < 92% AFU				☐ Oil			Electric		Earth Energy	
Ratio of Windows, Skylights & Glas	Ratio of Windows, Skylights & Glass (W, S & G) to Wall Area						her B	uilding Cha	aracterist	tics	
Area of Walls = 310.29 m ² or 3339.9	ft²				☐ Log/Post&Bean	n		ICF Above (Grade	☐ ICF Basement	
Area or Walls = <u>310.29</u> Hr or <u>3339.9</u>	IL-	W,S &	G % =	<u>11%</u>	☐ Slab-on-ground	ł	П	Walkout Ba	sement		
					☑ Air Conditioning	9	П	Combo Unit			
Area of W, S & G = <u>34.93</u> m ² or <u>376.0</u>	ft²	Utilize W	/indow	☐ Yes	☐ Air Sourced He	at Pun	np (AS	SHP)			
Averaging					☐ Ground Source	Heat l	Pump	(GSHP)			
D. Building Specifications [provide	D. Building Specifications [provide values and ratings of the energy efficiency components proposed]										
Energy Efficiency Substitutions											
☐ ICF (3.1.1.2.(5) & (6) / 3.1.1.3.(5))											
Combined space heating and domestic	water he	eating syst	ems (3.1.	.1.2(7) / 3.	1.1.3.(7))						
☐ Airtightness substitution(s)		Table 3.1	.1.4.B	Required:							
Airtightness test required		Table 3.1	.1.4.C	Required:	d: Permitted Substitution:						
(Refer to Design Guide Attached)				Required:				Permitted S	Substitution	:	
Building Component		mum RS //aximum			Bui	ilding	Com	ponent		Efficiency Ratings	
Thermal Insulation	Non	ninal	Effe	ective	Windows & Do	ors Pi	rovide	U-Value ⁽¹⁾ o	r ER rating		
Ceiling with Attic Space	6	0			Windows/Sliding	Glass	Doors	3		1.6	
Ceiling without Attic Space	3	1			Skylights					2.8	
Exposed Floor	3	1			Mechanicals						
Walls Above Grade	22				Heating Equip.(AF	FUE)				96%	
Basement Walls		20.0ci			HRV Efficiency (S	RE% a	at 0°C)		75%	
Slab (all >600mm below grade)	2	x			DHW Heater (EF)					0.80	
Slab (edge only ≤600mm below grade)	ab (edge only ≤600mm below grade) 10				DWHR (CSA B55.	1 (min.	42% e	fficiency))		#Showers 2	
Slab (all ≤600mm below grade, or heated)	1	0			Combined Heating	g Syst	tem				
(1) U value to be provided in either $W/(m^2 \cdot K)$ or Bt	(1) U value to be provided in either W/(m²·K) or Btu/(h·ft·F) but not both.										
E. Designer(s) [name(s) & BCIN(s), if	applicable	e, of perso	n(s) prov	iding infor	mation herein to sub	stantia	te that	design meet	s building	code]	
Name				BCIN	Signatur	е			, ,	· ·	
David DaCosta				329	964		1	lane .	14C=	₹ 7	
Form authorized by OHBA, OBOA, LMCBO. Revised December 1, 20	16										



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

Page PJ-00204

Project # JB-04480 Layout #

System 1 Package: Package A1 System: Project: **Bradford** Model: S38-1

Air Leakage Calculations

Building Air Leakage Heat Loss										
В	LRairh	Vb	HL^T	HLleak						
0.018	0.322	25650	81.4	12085						

	Building Air Leakage Heat Gain										
В	LRairh	Vb	HG^T	HG Leak							
0.018	0.080	25650	11	405							

Air Leakage Heat Loss/Gain Multiplier Table (Section 11)									
Level	Level	Building	Level Conductive	Air Leakage Heat Loss					
Level	Factor (LF)	Air	Heat Loss	Multiplier					
Level 1	0.5		6906	0.8749					
Level 2	0.3	12085	11511	0.3150					
Level 3	0.2	12003	11008	0.2196					
Level 4	0		0	0.0000					

		Air Leakage Heat Gain
HG LEAK	405	0.0332
BUILDING CONDUCTIVE HEAT GAIN	12182	0.0332

Levels				
1 2 3 4				
(LF)	(LF)	(LF)	(LF)	
1.0	0.6	0.5	0.4	
	0.4	0.3	0.3	
·		0.2	0.2	
			0.1	

Levels this Dwelling	
3	

Ventilation Calculations

Ventilation Heat Loss					
Ventilation Heat Loss					
C PVC HL^T (1-E) HRV HLbvent					
1.08	79.5	81.4	0.16	1118	

Case 1

Ventilation Heat Gain			
С	PVC	HG^T	HGbvent
1.1	79.5	11	944

Ventilation Heat Gain

Case 1

Ventilation He

eat Loss (Exhaust only Systems)	Ventilation Heat Gain (Exhaust Only Systems)
eat Loss (Extraust only Systems)	ventilation heat dain (Exhaust Only Systems)

Case 1 - Exhaust Only					
Level LF HLbvent LVL Cond. HL Multiplier					
Level 1	0.5		6906	0.08	
Level 2	0.3	1118	11511	0.03	
Level 3	0.2	1110	11008	0.02	
Level 4	0		0	0.00	

Case 1 - Exhaust Only		Multiplier
HGbvent	944	0.08
Building	12182	0.06

Case 2

Ventilation Heat Loss (Direct Ducted Systems)

Case 2

32964

			Multiplier
С	HL^T	(1-E) HRV	14.07
.08	81.4	0.16	14.07

		Multiplier
С	HG^T	11.88
1.08	11	11.00

Case 3

Case 3

ystems)	
	ystems)

Ventilation Heat Gain ((Forced Air Systems)
-------------------------	----------------------

Ventilation Heat Gain (Direct Ducted Systems)

	HLbvent	Multiplier
Total Ventilation Load	1118	0.04

		Vent Heat Gain	Multiplier	
HGbvent	HG*1.3	944	0.08	
944	1	344		

6021

Foundation Conductive Heatloss Level 1

1765 Watts

Btu/h

Foundation Conductive Heatloss Level 2

Watts

Btu/h





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):	6.70
Building Confi	guration
Type:	Detached
Number of Stories:	Two
Foundation:	Full
House Volume (m³):	726.41
Air Leakage/Ve	ntilation
Air Tightness Type:	Present (1961-) (ACH=3.57)
	ELA @ 10 Pa. 322.44 cm²
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):	0.322
Cooling Air Leakage Rate (ACH/H):	0.080

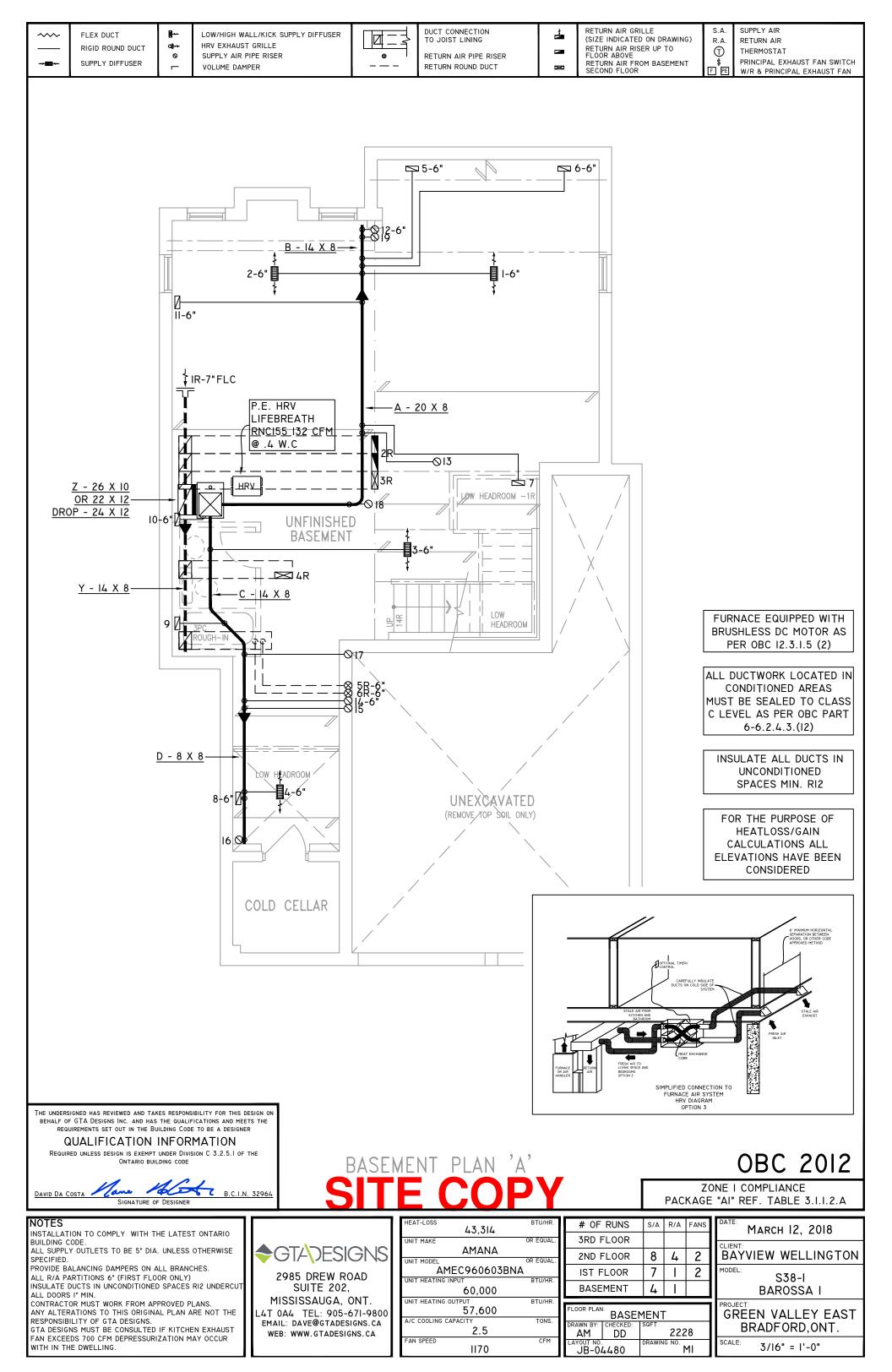


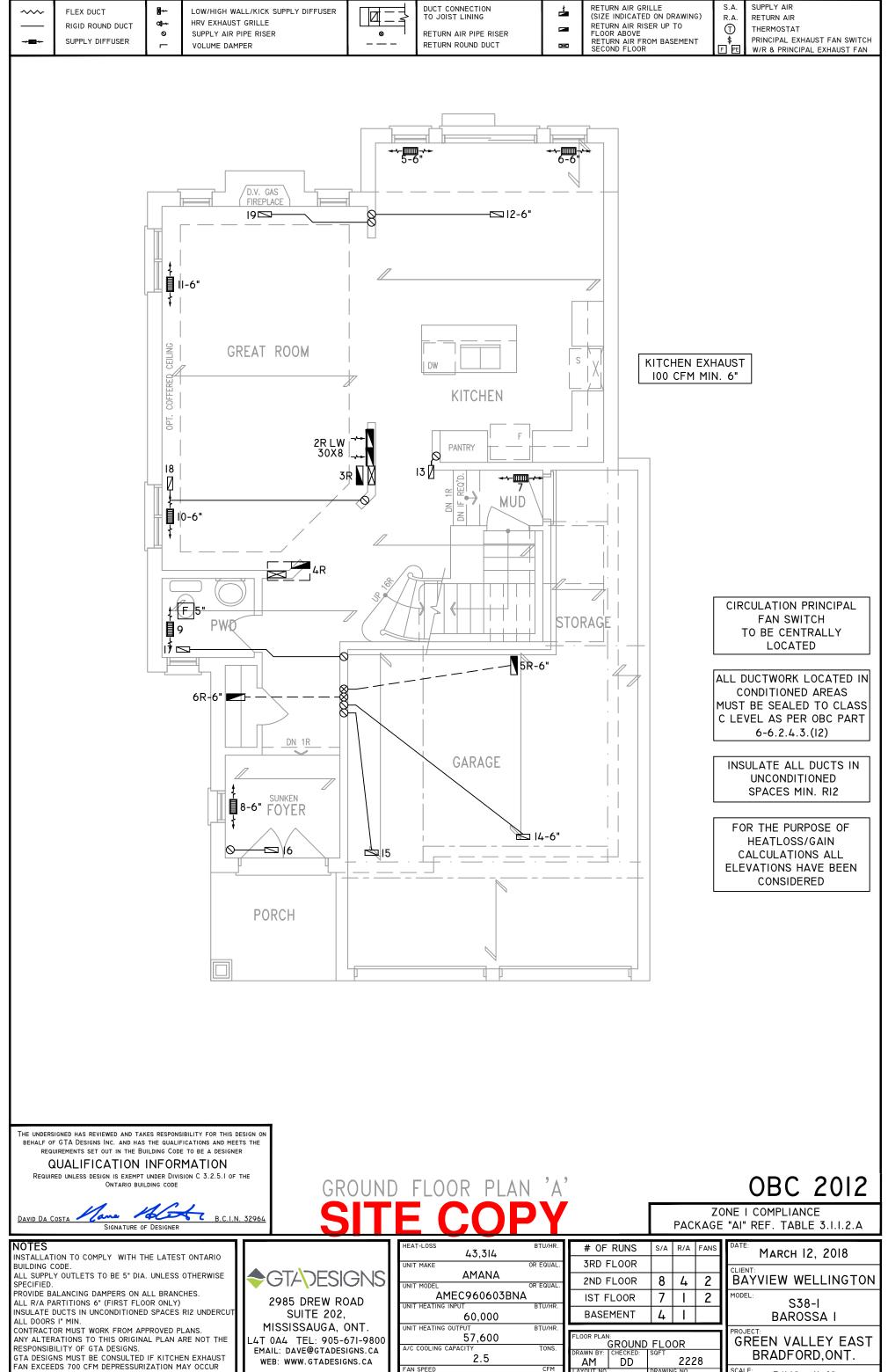
Residential Foundation Thermal Load Calculator

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)				
Fou	ındatio	on Dimensions				
Floor Length (m):	18.33					
Floor Width (m):	4.53					
Exposed Perimeter (m): 4						
Wall Height (m):	2.74					
Depth Below Grade (m):	1.53	Insulation Configuration				
Window Area (m²):	1.86					
Door Area (m²):	1.95					
	Radi	ant Slab				
Heated Fraction of the Slab:	0					
Fluid Temperature (°C):	33					
	Desig	n Months				
Heating Month	1					
Foundation Loads						
Heating Load (Watts):		1765				

SITE COPY





1170

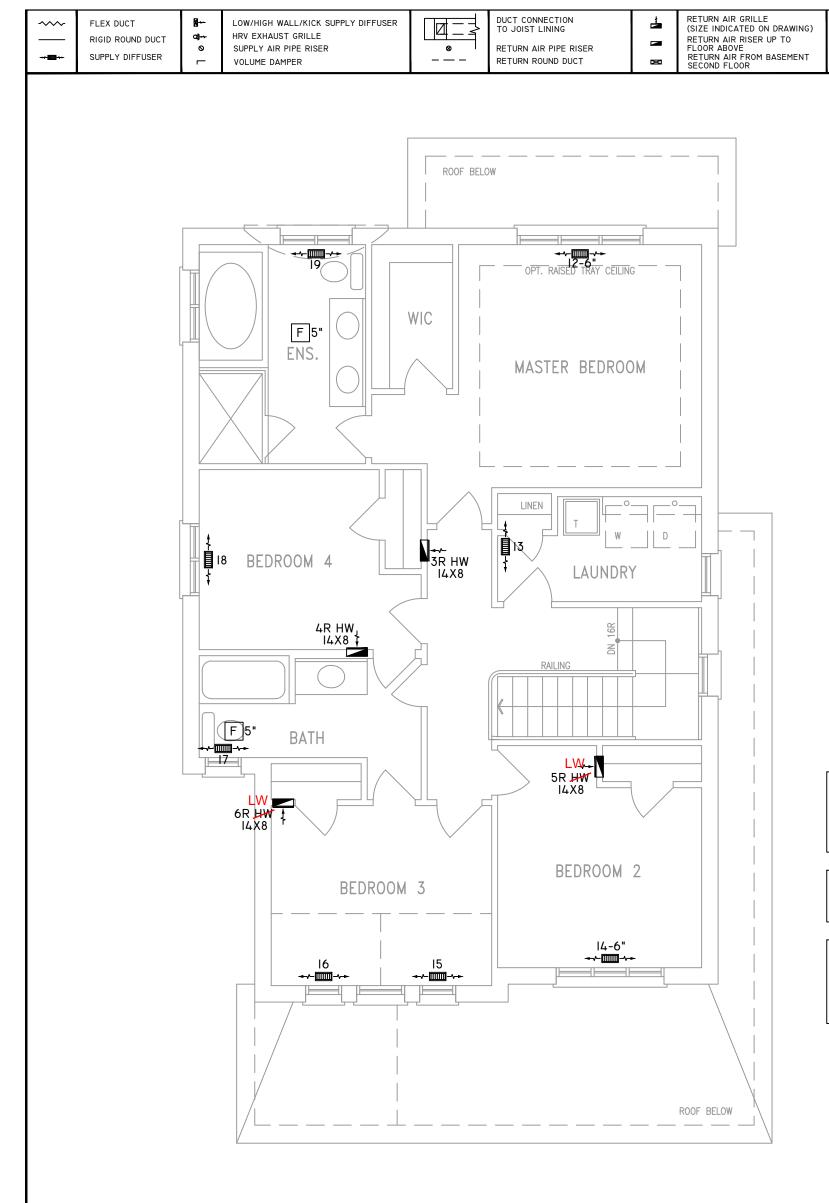
WITH IN THE DWELLING.

3/16" = 1'-0"

DRAWING NO

JB-04480

M2



ALL DUCTWORK LOCATED IN CONDITIONED AREAS MUST BE SEALED TO CLASS C LEVEL AS PER OBC PART 6-6.2.4.3.(12)

SUPPLY AIR

RETURN AIR

THERMOSTAT

PRINCIPAL EXHAUST FAN SWITCH

W/R & PRINCIPAL EXHAUST FAN

R.A

1

INSULATE ALL DUCTS IN UNCONDITIONED SPACES MIN. RI2

FOR THE PURPOSE OF **HEATLOSS/GAIN** CALCULATIONS ALL **ELEVATIONS HAVE BEEN CONSIDERED**

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 ONTARIO BUILDING CODE

SECOND FLOOR PLAN 'A'

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.



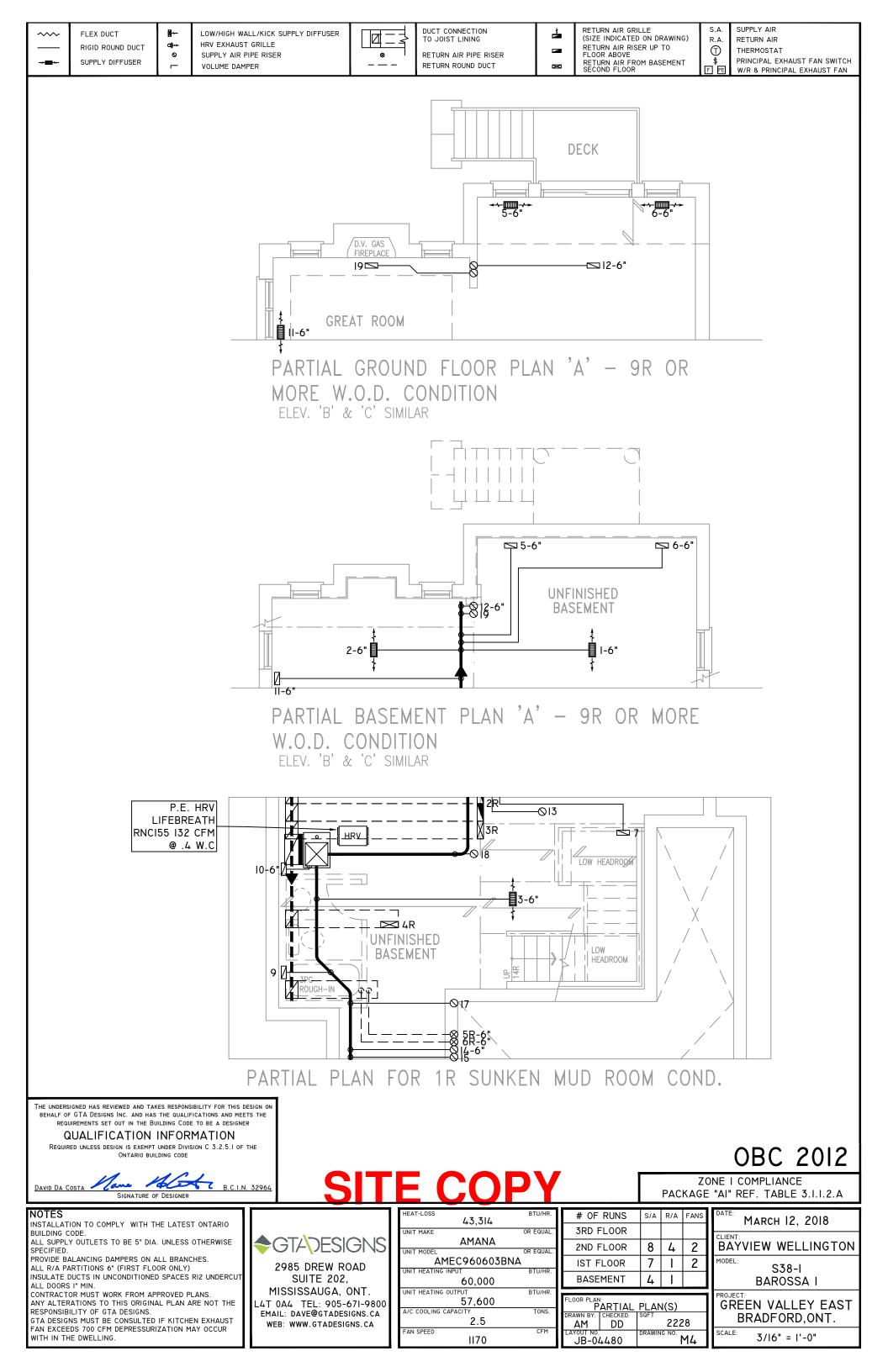
2985 DREW ROAD SUITE 202,

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

45,514	
UNIT MAKE	OR EQUAL.
AMANA	
UNIT MODEL	OR EQUAL.
AMEC960603BN/	7
UNIT HEATING INPUT	BTU/HR.
60,000	
UNIT HEATING OUTPUT	BTU/HR.
57,600	
A/C COOLING CAPACITY	TONS.
2.5	
FAN SPEED	CFM
1170	

# OF RUNS	S/A	R/A	FANS	MARCH 12, 2018
3RD FLOOR				CLIENT:
2ND FLOOR	8	4	2	BAYVIEW WELLINGTON
IST FLOOR	7	-	2	MODEL: S38-I
BASEMENT	4	1		BAROSSA I
FLOOR PLAN:				PROJECT:

-		'	•	_	538-1
BASE	MENT	4	-		BAROSSA I
DRAWN BY:	SECOND	FLO	OR 222	00	GREEN VALLEY EAST BRADFORD,ONT.
AM LAYOUT NO. JB-04		DRAWIN	G NO.	43	SCALE: 3/16" = 1'-0"



FLEX DUCT RIGID ROUND DUCT SUPPLY DIFFUSER

LOW/HIGH WALL/KICK SUPPLY DIFFUSER HRV EXHAUST GRILLE **a)**→ SUPPLY AIR PIPE RISER VOLUME DAMPER

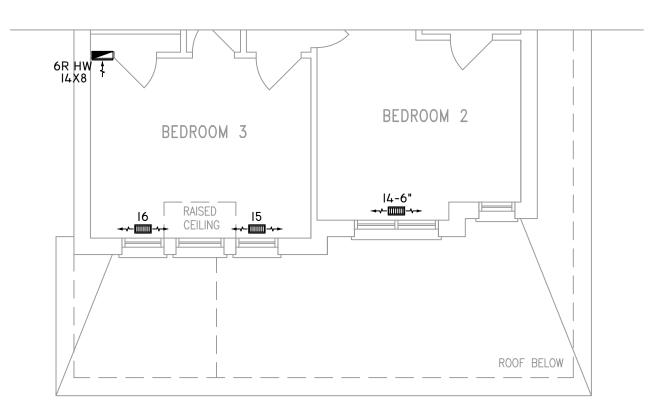


DUCT CONNECTION TO JOIST LINING RETURN AIR PIPE RISER RETURN ROUND DUCT

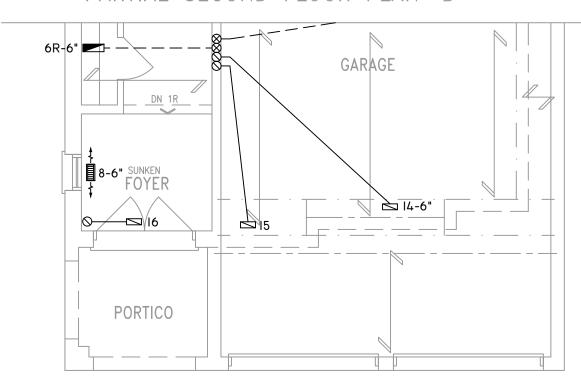
RETURN AIR GRILLE (SIZE INDICATED ON DRAWING) RETURN AIR RISER UP TO FLOOR ABOVE RETURN AIR FROM BASEMENT SECOND FLOOR

R.A. 1

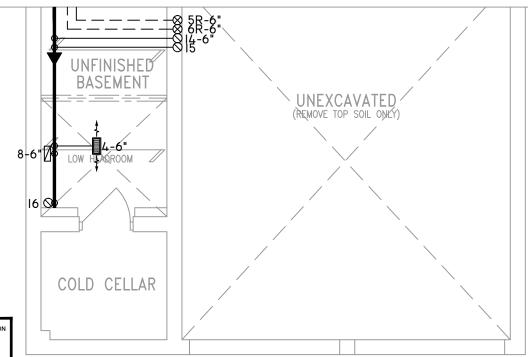
SUPPLY AIR RETURN AIR THERMOSTAT PRINCIPAL EXHAUST FAN SWITCH W/R & PRINCIPAL EXHAUST FAN



PARTIAL SECOND FLOOR PLAN 'B'



PARTIAL GROUND FLOOR PLAN 'B'



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 ONTARIO BUILDING CODE

PARTIAL BASEMENT PLAN

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 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.

♦GTADESIGNS

2985 DREW ROAD SUITE 202,

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

43,314	
UNIT MAKE	OR EQUAL.
AMANA	
UNIT MODEL	OR EQUAL.
AMEC960603BNA	
UNIT HEATING INPUT	BTU/HR.
60,000	
UNIT HEATING OUTPUT	BTU/HR.
57,600	
A/C COOLING CAPACITY	TONS.
2.5	
FAN SPEED	CFM
1170	

# OF RUNS	S/A	R/A	FANS		
3RD FLOOR					
2ND FLOOR	8	4	2		
IST FLOOR	7	ı	2		
BASEMENT	4	_			
FLOOR PLAN: PARTIAL PLAN(S)					

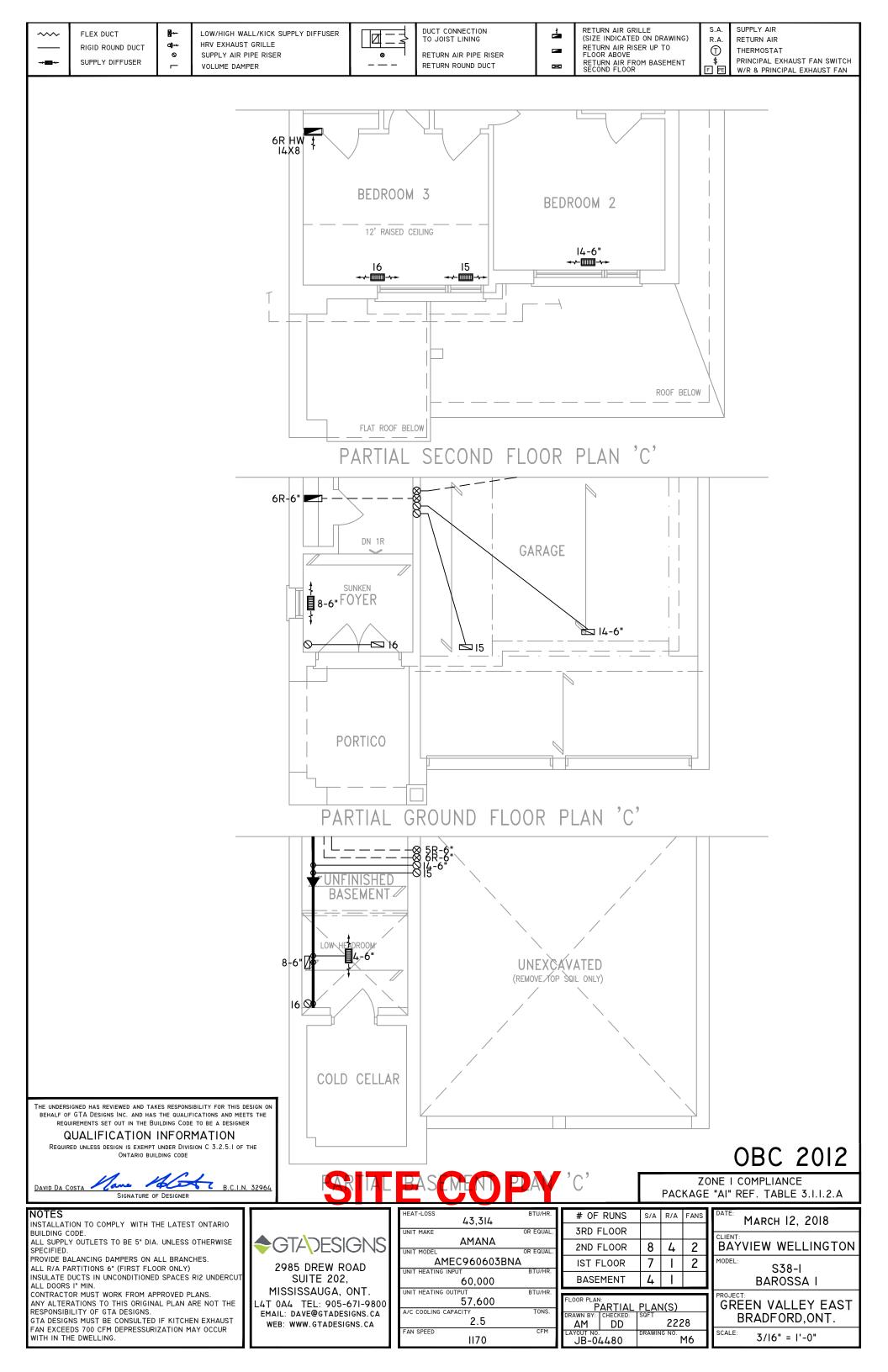
DD

AΜ JB-04480 2228

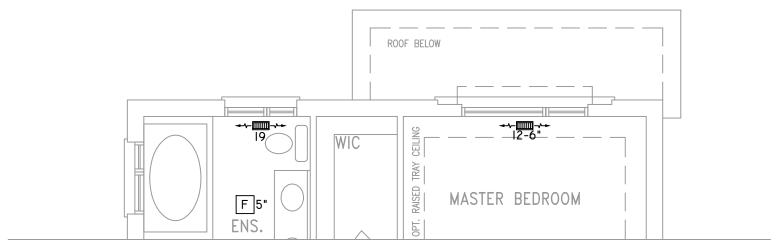
M5

DATE.	MARCH 12, 2018
BAY	VIEW WELLINGTON
MODEL:	S38-I BAROSSA I
PROJEC	ET:

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



RETURN AIR GRILLE (SIZE INDICATED ON DRAWING) DUCT CONNECTION TO JOIST LINING SUPPLY AIR FLEX DUCT LOW/HIGH WALL/KICK SUPPLY DIFFUSER 4 R.A. RETURN AIR HRV EXHAUST GRILLE **a]**↔ 0 RETURN AIR RISER UP TO FLOOR ABOVE RETURN AIR FROM BASEMENT SECOND FLOOR RIGID ROUND DUCT 1 THERMOSTAT RETURN AIR PIPE RISER SUPPLY AIR PIPE RISER 8 SUPPLY DIFFUSER PRINCIPAL EXHAUST FAN SWITCH VOLUME DAMPER RETURN ROUND DUCT W/R & PRINCIPAL EXHAUST FAN



PARTIAL SECOND FLOOR FOR ELEVATION 'C' REAR UPGRADE

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 ONTARIO BUILDING CODE

DAVID DA COSTA

SIGNATURE OF DESIGNER

B.C.I.N. 3296

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

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.

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



SUITE 202, MISSISSAUGA, ONT. L4T 0A4 TEL: 905-671-9800 EMAIL: DAVE@GTADESIGNS.CA WEB: WWW.GTADESIGNS.CA

HEAT-LOSS	BTU/HR.
43.314	•
UNIT MAKE	OR EQUAL.
	OR LQUAL.
AMANA	
UNIT MODEL	OR EQUAL.
AMEC960603BN	Δ
UNIT HEATING INPUT	BTU/HR.
60,000	
UNIT HEATING OUTPUT	BTU/HR.
57,600	
A/C COOLING CAPACITY	TONS.
2.5	
FAN SPEED	CFM
1170	

# OF RUNS	S/A	R/A	FANS	
3RD FLOOR				
2ND FLOOR	8	4	2	
IST FLOOR	7	1	2	
BASEMENT	4	_		H
FLOOR PLAN: PARTIAL PLAN(S)				

LOOR PLAN	LOOR PLAN:					
P	ΔΡΤΙΔΙ	PLAN(S)				
RAWN BY:	CHECKED:	SQFT				
ΔМ	DD	2228				
AYOUT NO.		DRAWING NO.				
JB-0	/. /. Q O	M7				
00-0	+400	117				

DATE: MARCH 12, 2018

CLIENT: BAYVIEW WELLINGTON

MODEL: S38-I
BAROSSA I

GREEN VALLEY EAST BRADFORD,ONT.