

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 Baros:	sa 6		Lot:
S38-	-6		Lot/con.
Municipality Bradford	Postal code	Plan number/ other description	
B. Individual who reviews and takes responsibility for design	gn activities	1	
Name David DaCosta		Firm	gtaDesigns Inc.
Street address 2985 Drew Roa	d, Suite 202		Unit no. Lot/con.
Municipality	Postal code	Province	E-mail
Mississauga Telephone number	L4T 0A4 Fax number	Ontario	dave@gtadesigns.ca Cell number
(905) 671-9800		7) 494-9643	(416) 268-6820
C. Design activities undertaken by individual identified in S	ection B. [Bu	ilding Code Table :	3.5.2.1 of Division C]
☐ House ☒ HVAC – H	louse		☐ Building Structural
☐ Small Buildings ☐ Building S			☐ Plumbing – House
☐ Large Buildings ☐ Detection,	Lighting and Po	wer	☐ Plumbing – All Buildings
☐ Complex Buildings ☐ Fire Protein	ction		☐ On-site Sewage Systems
Description of designer's work Mo	del Certification	n	Project #: PJ-00204
	· · · · · · · · · · · · · · · · · · ·	l 5 "	Layout #: JB-04483
Heating and Cooling Load Calculations Main Air System Design Alternate		Builder Project	Bayview Wellington Green Valley East
Residential mechanical ventilation Design Summary Area Sq ft:			Barossa 6
Residential System Design per CAN/CSA-F280-12		Model	S38-6
Residential New Construction - Forced Air		SB-12	Package A1
D. Declaration of Designer			
I David DaCosta (print name)	declare that (choose one as appro	priate):
☐ I review and take responsibility for 3.2.4 Division C of the Building Coclasses/categories. Individual BCIN Firm BCIN:	de. I am qualifie	d, and the fire visite of the fire of the	BRIAD POR ROW POPES FOR GWILLIMBURY DEPARTMENT
☑ I review and take responsibility for "other designer" under subsection			
Individual BCIN	329	64	
Basis for exemp	otion from registr	ration:	Division C 3.2.4.1. (4)
☐ The design work is exempt from th	e registration an	d qualification requiren	nents of the Building Code.
Basis for exemp	otion from registr	ration and qualification:	
Certify that: The information contained in this schedule is true to the best of r I have submitted this application with the knowledge and consen	,		
March 12, 2018		Mare 14.	and the second second
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 under Subsections 3.2.4. and 3.2.5.0f Division C. Schedule 1 does not require to be completed a holder of a license, temporary license, or a certificate of Ontario Associstion of Architects. Schedule 1 is also not required to be completed by a holder of a licens

torization, issed by the practise, a limited licenice 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-04483
Building	Location
Address (Model): \$38-6	Site: Green Valley East
Model: Barossa 6	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: 2891
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 T C C D V
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



Green Valley East

Builder:

Project:

Duct Design Pressure

Total Effective Length

Actual Duct Length

Equivalent Length

Adjusted Pressure

Duct Size Round

Inlet Size

Inlet Size

Trunk

0.12

17

110

127

0.09

8.0

FLC

9x6

0.12

28

175

203

0.06

11.5

30

0.12

51

160

211

0.06

8.0

14

0.12

46

245

291

0.04

8.5

0.12

39

165

204

0.06

8.0

8

x

14

0.12

53

135

188

0.06

6.0

0.12

50

50

0.24

0.12

50

50

0.24

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1170

1170

0.04

0.06

18.0 24x12

24x12

12x8 10x10

18.0 30x10

10.5

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

S38-6

Bayview Wellington Date:

Model:

March 12, 2018 Barossa 6

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.

Mane Alexa Individual BCIN: 32964

Project # Layout #

Page 3 PJ-00204 JB-04483

Project: Green v	alley Ea	St		woder:			330)-0								naiviauai	BCIN:	32964	- 60			٠ .	David Dat	Josta	Lay	yout #	JD-	-04403
DESIGN LOAD SPECIFICATION	S			AIR DISTI	RIBUTIO	N & PRES	SURE					FURNACE	/AIR HAI	NDLER D	ATA:			BOILER/\	WATER H	EATER D	ATA:			ſ	A/C UNIT I	DATA:		
Level 1 Net Load	15.932	htu/h		Equipmer	at Extern	al Static F	Processes		0.5 '	'w o		Make		Ama	una.			Make				Гуре			Amana		2.5 1	Ton
	17,220								0.225 '			Model						Model				ype			Cond		2.5	OII
Level 2 Net Load				Additiona			sure Drop	,						AMEC960					n.									
Level 3 Net Load	17,528			Available	-				0.275 '			Input Btu/		600				Input Btu							Coil		2.5	
Level 4 Net Load		btu/h		Return Br		-	ective Lei	ngtn	300 f			Output Bt -	u/n	576				Output B										
Total Heat Loss	50,680			R/A Plenu					0.138 '			E.s.p.		0.5		' W.C.		Min.Outp	ut Btu/h			AWH						
Total Heat Gain	26,976			S/A Plenu					0.14 '			Water Ter	np			deg. F.					187		wer DATA					
Combo System HL + 10%	55,748			Heating A		•	•			cfm/btuh		AFUE		96	<mark>%</mark>			Blower S	peed Sele	cted:	W2	2			Blower Ty		ECM	
Building Volume Vb	33896			Cooling A	Air Flow F	•	•			cfm/btuh		Aux. Heat													•	ess DC O		,
Ventilation Load	1,118	Btuh.					R/A Temp)	70 d	deg. F.	,	SB-12 Pac	kage	Packa	ge A1			Heating C	Check	1170 c	fm				Cooling C	heck	963	;fm
Ventilation PVC	79.5	cfm				;	S/A Temp)	116 0	deg. F.																		
Supply Branch and Grill Sizing			1	Diffuser le	oss _	0.01	w.c.				•	Temp. Ris	e>>> _	46	deg. F.			Selected	cfm>	<u>1170</u> c	fm		C	Cooling A	Air Flow R	ate _	963 c	;fm
							Leve	el 1													Leve	el 2						
S/A Outlet No.	1	2	3	4											5	6	7	8	9	10	11	12	13					
Room Use	BASE	BASE	BASE	BASE											GRT	GRT	KIT	KIT	STUDY	MUD	FOY	PWD	DIN					
Btu/Outlet	3983	3983	3983	3983											1751	1751	1836	1836	2053	1203	3641	1129	2020					
Heating Airflow Rate CFM	92	92	92	92											40	40	42	42	47	28	84	26	47					
Cooling Airflow Rate CFM	13	13	13	13											67	67	66	66	48	6	52	17	92					
Duct Design Pressure	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	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Actual Duct Length	51	49	28	38											58	48	49	47	8	15	37	29	34					
Equivalent Length	80	90	90	110	70	70	70	70	70	70	70	70	70	70	140	130	100		80	90	90	130	110	70	70	70	70	70
Total Effective Length	131	139	118	148	70	70	70	70	70	70	70	70	70	70	198	178	149		88	105	127	159	144	70		70	70	70
Adjusted Pressure	0.10	0.09	0.11	0.09	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.07	0.07	0.09		0.15	0.12	0.10	0.08	0.09	0.19	0.19	0.19	0.19	0.19
Duct Size Round	6	6	6	6	0.15	0.15	0.15	0.15	0.10	0.15	0.15	0.10	0.10	0.15	6	6	5	5	4	4	6	4	6	0.15	0.10	0.15	0.15	0.1.
Outlet Size	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	3x10	-	3x10	3x10	4x10	3x10	4x10	4x10	4x10	4x10	4x10	4x10
Trunk	4x10 D	4x10	4x10	4X10	4310	4210	4210	4310	4810	4310	4210	4810	4210	4210	4x10	47.10	JX IU	3X10	3210	3210	4x10 B	3X10	4X10	4310	4210	47.10	4310	44.10
Trunk	U	ע		В			Leve	-12										U	A	A	Leve		<u> </u>					
																					Leve	1 4						
S/A Outlet No.	14	15	16	17	18	19	20	21	22	23																		
Room Use	MAST	ENS	BED 2	BATH	BED 3	BED 4	BED 4	ENS 4	LAUN	WIC																		
Btu/Outlet	2838	2072	1358	595	1715	2629	2629	2037	973	682																		
Heating Airflow Rate CFM	66	48	31	14	40	61	61	47	22	16																		
Cooling Airflow Rate CFM	79	41	30	8	33	65	65	60	42	6																		
Duct Design Pressure	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	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Actual Duct Length	70	63	59	51	37	56	52	63	38	60																		
Equivalent Length	130	140	100	130	110	160	150	125	140	120	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Total Effective Length	200	203	159	181	147	216	202	188	178	180	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Adjusted Pressure	0.07	0.06	0.08	0.07	0.09	0.06	0.06	0.07	0.07	0.07	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Duct Size Round	6	5	4	3	4	6	6	5	5	3																		
Outlet Size	4x10	3x10	3x10	3x10	3x10	4x10	4x10	3x10	3x10	3x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10
Trunk	E	D	C	C	A	В	В	В	C	C																		
Return Branch And Grill Sizing			Grill Pres	sure Loss	s	0.02	w.c					<u> </u>	Return Tr	unk Duct	Sizing					S	Supply Tr	unk Duct	Sizing					
R/A Inlet No.	1R	2R	3R	4R	5R	6R	7R	8R	9R	10R	11R	7	runk		CFM I	Press. F	Round	Rect.	Size	Т	runk	(CFM F	Press.	Round	Rect.	Size	
Inlet Air Volume CFM	185	415	155	155	155	105																						

SITE COPY

0.06

0.06

0.06

0.06

0.07

16.5

10.5

14.0

11.5

8.5

32x8

12x8

22x8

14x8

24x10

10x10

18x10

12x10

1170

711

189



50,680 btu/h

26,976 btu/h

Total Heat Loss

Total Heat Gain

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

													Weather I)ata	Brad		44 -	9.4 86						P
		Builder:	Bayview Well		-	Date:		March 1 Baro	ssa 6		System	4						9.4 00	22	48.2		Pro	ject#	PJ-0
2012 OBC		Project:	Green Valley	East	_ M	lodel:		S3	8-6		System	1	Heat Los	s ^T 81.4	deg. F	Ht	gain ^T	11 deg	j. F	GTA:	2891	Lay	out #	JB-0
	Level 1			BASI																				
Run ft.	t. exposed wall A			164 A	-	Α		Α		Α	Α		Α		Α		Α		Α		Α		Α	
	t. exposed wall B			В		В		В		В	В		В		В		В		В		В		В	
	Ceiling height			3.7 AG		3.7 AC	i	3.7 AG		3.7 AG	3.7 AG	3	3.7 AG	3.7	AG	3	3.7 AG	3.	.7 AG		3.7 AG		3.7 AG	
	Floor area			1178 Area		Ar	ea	Are	a	Area	Area		Area		Area		Area		Area		Are	1	Area	а
	posed Ceilings A			Α		Α		Α		Α	Α		Α		Α		Α		Α		Α		Α	
	posed Ceilings B			В		В		В		В	В		В		В		В		В		В		В	
	Exposed Floors			FIr 600		Fli		Flr		Fir	Flr		Fir		Flr		Flr		Flr		Flr		Fir	
	Gross Exp Wall A Gross Exp Wall B			600																				
<u> </u>		R-Values Loss	Gain	Loss	Gain	10	ss Gain	Los	s Gain	Loss (Gain Loss	Gain	Loss Ga	in	Loss	Gain	Loss	Gain	Loss	Gain	Los	s Gain	Loss	s (
	North Shaded		2.93 10.91	3 69																	Ī			
	East/West		2.93 27.35	22 504																				
	South	3.55 2	2.93 20.89	3 69	63																			
	WOB Windows	3.15 2	5.84 28.32																					
	Skylight		0.10 88.23																					
	Doors		0.35 2.75	21 427																				
	exposed walls A		3.85 0.52	551	287																			
	exposed walls B		5.62 0.76																					
	posed Ceilings A posed Ceilings B		1.37 0.64 3.56 1.66																					
	Exposed Floors		2.73 0.17																					
	ctive Heatloss			6699																				
	Heat Loss	/ C. C. G. G. G. () C.	7.00	7769																				
Conductive	Heat Gain				1042																			
r Leakage	Heat Loss/Gain	1.	0.0408	7902																				
	Case 1		0.07 0.07																					
entilation	Case 2		4.07 11.88																					
	Case 3	х	0.03 0.07	262	76																			
			239																					
	Heat Gain People																							
Ap	Appliances Loads	1 =.25 perce	nt 4821																					
Ap Du	Appliances Loads uct and Pipe loss		nt 4821 10%	45025																				
Ap Dur el 1 HL Total el 1 HG Total	Appliances Loads uct and Pipe loss 15,932 1,509	Total F	nt 4821	15932 GRT	1509		КІТ		UDY	MUD 9 A	FOY 33 A		PWD	19	DIN				Α					
Ap Du II HL Total II HG Total Run ft. Run ft.	Appliances Loads uct and Pipe loss 15,932 1,509	Total F	10% L for per room		1509	36 A B 10.0 297 Ar A B		ST 21 A B 10.0 167 Are: A B		MUD 9 A B 12.0 27 Area A B	FOY 33 A B 11.0 124 Area A B	10	12 A B	10.0 275	A B	10	A B D.O Area A B	10.	A B I.0 Area A B		A B 10.0 Area A B		A B 10.0 Area A B	a
Ap Du el 1 HL Total el 1 HG Total el 1 Run ft. Run ft. Run ft. Exp	Level 2 t. exposed wall A ceiling height Floor area posed Ceilings A posed Ceilings A posed Floors Exposed Floors Exposed Floors Exposed Floors Exposed Floors Exposed Floors Exposed Floors	Total F	10% L for per room	GRT 33 A B 10.0 215 Area 5 A B Fir	1509	36 A B 10.0 297 Ar A B	ea	21 A B 10.0 167 Area A B Fir		9 A B 12.0 27 Area A B Fir	33 A B 11.0 124 Area A B Fir	10 7	12 A B 0.0 70 Area A B Fir	10.0 275	A B Area A B	10	B).0 Area A	10.	B 0.0 Area A		B 10.0 Area A		B 10.0 Area A	a
Ap Du H H L Total I H H G Total Run ft.	Level 2 Level 3 Level 4 Level 4 Level 5 Level 6 Level 9 Lev	Total F	10% L for per room	GRT 33 A B 10.0 215 Area 5 A B	1509	36 A B 10.0 297 Ar A B	ea	21 A B 10.0 167 Area A B		9 A B 12.0 27 Area A B	33 A B 11.0 124 Area A B	10	12 A B 0.0 70 Area A B Fir	10.0 275	A B Area A B	10	B 0.0 Area A B	10.	B 0.0 Area A B		B 10.0 Area A B		B 10.0 Area A B	a
Ap Durill HL Total 11 HG Total Run ft.	Level 2 L exposed will be less to specific solutions of the less to specific solution with the less than the less	Total HG	nt 4821 10% L for per room per room x 1.3	GRT 33 A B 10.0 215 Area 5 A B Fir 330	1509	36 A B 10.0 297 Ar A B Fli	ea	21 A B 10.0 167 Are: A B Fir 210	a	9 A B 12.0 27 Area A B Fir	33 A B 11.0 124 Area A B Fir 363	10	12 A B 0.0 70 Area A B FIr	10.0 275 190	A B Area A B Fir		B).0 Area A B Fir		B Area A B Fir		B 10.0 Area A B Fir		B 10.0 Area A B Fir	
Ap Duril 1 HL Total 1 HG Total Run ft.	Level 2 t. exposed wall A t. exposed wall B Ceiling height Floor area posed Ceilings A posed Ceilings A posed Ceilings A Exposed Floors Floor area posed Ceilings A Floor area posed Ceilings A Floor area Floor	Total HG Total HG	nt 4821 10% L for per room per room x 1.3	GRT 33 A B 10.0 215 Area 5 A B Fir	1509	36 A B 10.0 297 Ar A B Fli	ea	21 A B 10.0 167 Are: A B Fir 210	a s Gain	9 A B 12.0 27 Area A B Fir	33 A B 11.0 124 Area A B Fir 363	10 7	12 A B 0.0 70 Area A B Fir	10.0 275 190	A B Area A B Fir	10 Gain	B).0 Area A B Fir	10. Gain	B 0.0 Area A B	Gain	B 10.0 Area A B		B 10.0 Area A B	
Ap Durill HL Total 11 HG Total Run ft.	Level 2 Level 2 Lexposed wall A Lexposed wall B Celling height Floor area posed Cellings B Exposed Floors Fross Exp Wall A Gross Exp Wall B Components North Shaded	Total HG Total HG R-Values Loss 3.55	### ##################################	GRT 33 A B 10.0 215 Area 5 A B Fir 330	1509	36 A B 10.0 297 Ar A B Fli 360	ea SS Gain	21 A B 10.0 167 Are: A B Fir 210	a	9 A B 12.0 27 Area A B Fir	33 A B 11.0 124 Area A B Fir 363	10 : 12 Gain	12 A B 0.0 70 Area A B FIr	10.0 275 190	A B Area A B Fir		B).0 Area A B Fir		B Area A B Fir	Gain	B 10.0 Area A B Fir		B 10.0 Area A B Fir	
Ap Duril 1 HL Total 1 HG Total Run ft.	Level 2 t. exposed wall A t. exposed wall B Ceiling height Floor area posed Ceilings A posed Ceilings A posed Ceilings A Exposed Floors Floor area posed Ceilings A Floor area posed Ceilings A Floor area Floor	Total HG Total HG R-Values Loss 3.55 2 3.55 2	nt 4821 10% L for per room per room x 1.3	GRT 33 A B 10.0 215 Area 5 A B Fir 330	1509	36 A B 10.0 297 Ar A B Fli 360	ea	21 A B 10.0 167 Are: A B Fir 210	a s Gain	9 A B 12.0 27 Area A B Fir	33 A B 11.0 124 Area A B Fir 363	10 12 Gain 739	12 A B 0.0 70 Area A B FIr	10.0 275 190	A B Area A B Fir		B).0 Area A B Fir		B Area A B Fir	Gain	B 10.0 Area A B Fir		B 10.0 Area A B Fir	
Ap Duril 1 HL Total 1 HG Total Run ft. Run ft. Run ft. Gi	Level 2 t. exposed wall A cellings A posed Sel Wall A posed Sel Wall A posed Cellings B Exposed Floors Gross Exp Wall A posed Cellings B Exposed Floors posed Sel Wall B Components North Shaded EastWest	Total HG Total HG R-Values Loss 3.55 2 3.55 2 3.55 2	Gain 2.93 10.91 2.93 27.35 2.93 20.99 22.15	GRT 33 A B 10.0 215 Area 5 A B Fir 330	1509	36 A B 10.0 297 Ar A B Fli 360	ea SS Gain	21 A B 10.0 167 Are: A B Fir 210	a s Gain	9 A B 12.0 27 Area A B Fir	33 A B 11.0 124 Area A B Fir 363	10 12 Gain 739	12 A B 0.0 70 Area A B Fir 20	10.0 275 190 iin	A B Area A B Fir	Gain	B).0 Area A B Fir		B Area A B Fir	Gain	B 10.0 Area A B Fir		B 10.0 Area A B Fir	
Ap Duril 1 HL Total 1 HG Total Run ft. Run ft. Run ft. Gi	Level 2 t. exposed wall A t. exposed wall A t. exposed wall B Ceiling height Floor area posed Ceilings A Exposed Floors cross Exp Wall A Components North Shaded EastWest South xisting Windows Skylight	R-Values Loss 3.55 2 3.55 2 1.99 4 2.03 4	Gain	GRT 33 A B 10.0 215 Area 5 A B Fir 330	1509	36 A B 10.0 297 Ar A B Fli 360	ea SS Gain	21 A B 10.0 167 Are: A B Fir 210	a s Gain	9 A B 12.0 27 Area A B Fir 108	33 A B 11.0 124 Area A B Fir 363 27 619	10 12 Gain 739	12 A B 0.0 70 Area A B Fir 20	10.0 275 190 iin	A B Area A B Fir	Gain	B).0 Area A B Fir		B Area A B Fir	Gain	B 10.0 Area A B Fir		B 10.0 Area A B Fir	
Ap Duril II HL Total II HG Tot	Level 2 t. exposed wall A t. exposed wall A t. exposed wall B Ceiling height Floor area posed Ceilings A pos	R-Values Loss 3.55 2 3.55 2 1.99 4 2.03 4 4.00 2	Gain 2.93 10.91 2.93 27.35 2.93 20.89 0.90 22.15 0.10 88.23 0.35 2.75	GRT 33 A B 10.0 215 Area 5 A B Fir 330 Loss 48 1101	Gain 1313	36 A B 10.0 297 Ar A B Fli 360 Lo	ss Gain 1078 1286	21 A B 10.0 167 Are: A B Fir 210 Los	s <u>Gain</u> 550 262	9 A B 12.0 27 Area A B FIr 108 Loss 0	33 A B 11.0 124 Area A B Flr 363 Sain Loss 27 619	10 12 Gain 739	12 A B 0.0 170 Area A B Fir 120 Loss Ga	10.0 275 190 iin 251 28	A B Area A B Fir	Gain 585	B).0 Area A B Fir		B Area A B Fir	Gain	B 10.0 Area A B Fir		B 10.0 Area A B Fir	
Ap Dur II HL Total II HG Total Run ft. Run ft. Run ft. Exp Exp G G	Level 2 Level 2 Level 2 Level 2 Lexposed wall A Lexposed wall B Cellings height Floor area posed Cellings A posed Floors Sross Exp Wall A Bross Exp Wall B Components North Shaded East/West South Existing Windows Skylight Doors exposed walls A	R-Values Loss 3.55 2 3.55 2 3.55 2 4.00 4	Gain 2.93 10.91 2.93 27.35 2.93 20.89 2.93 20.89 2.93 20.89 2.90 22.50 0.10 88.23 0.35 2.75 4.78 0.65	GRT 33 A B 10.0 215 Area 5 A B Fir 330	Gain 1313	36 A B 10.0 297 Ar A B Fli 360 Lo	ea SS Gain	21 A B 10.0 167 Are: A B Fir 210 Los	a s Gain	9 A B 12.0 27 Area A B Fir 108	33 A B 11.0 124 Area A B Fir 363 27 619	10 12 Gain 739	12 A B 0.0 70 Area A B Fir 20	10.0 275 190 iin	A B Area A B Fir	Gain	B).0 Area A B Fir		B Area A B Fir	Gain	B 10.0 Area A B Fir		B 10.0 Area A B Fir	
Ap Dur I I HL Total I I HG Total I HG Total I I HG Total I HG Total I I HG Total I HG T	Level 2 t. exposed wall a Components North Shaded EastWest South South Components North Shaded EastWest South Sitting Components North Shaded EastWest South Sitting South South Sitting South South Sitting South South Sitting South S	R-Values Loss 3.55 2 3.55 2 4.00 2 17.03 4	Gain 2.93 27.35 2.93 20.89 0.90 22.15 0.10 88.23 0.35 2.75 0.10 88.23 0.55 1.29	GRT 33 A B 10.0 215 Area 5 A B Fir 330 Loss 48 1101	Gain 1313	36 A B 10.0 297 Ar A B Fli 360 Lo	ss Gain 1078 1286	21 A B 10.0 167 Are: A B Fir 210 Los	s <u>Gain</u> 550 262	9 A B 12.0 27 Area A B FIr 108 Loss 0	33 A B 11.0 124 Area A B Flr 363 Sain Loss 27 619	10 12 Gain 739	12 A B 0.0 170 Area A B Fir 120 Loss Ga	10.0 275 190 iin 251 28	A B Area A B Fir	Gain 585	B).0 Area A B Fir		B Area A B Fir	Gain	B 10.0 Area A B Fir		B 10.0 Area A B Fir	
Ap Dur 11 HL Total 11 HG Total	Level 2 Levoel 2 Lexposed wall A Lexposed Wall B Ceiling height Floor area posed Ceilings A posed Ceilings B Exposed Floors Exposed Floors Stops Wall B Components North Shaded EastWest South Existing Windows Skylight Dogors exposed walls A exposed walls A	R-Values Loss 3.55 2 3.55 2 1.99 4 2.03 4 4.00 2 17.03 8.50	Gain 2.93 10.91 2.93 27.35 2.93 20.89 0.90 22.15 0.10 88.23 0.35 2.75 4.78 0.65 9.58 1.29 1.37 0.64	GRT 33 A B 10.0 215 Area 5 A B Fir 330 Loss 48 1101	Gain 1313	36 A B 10.0 297 Ar A B Fli 360 Lo	ss Gain 1078 1286	21 A B 10.0 167 Are: A B Fir 210 Los	s <u>Gain</u> 550 262	9 A B 12.0 27 Area A B FIr 108 Loss 0	33 A B 11.0 124 Area A B Flr 363 Sain Loss 27 619	10 12 Gain 739	12 A B 0.0 170 Area A B Fir 120 Loss Ga	10.0 275 190 iin 251 28	A B Area A B Fir	Gain 585	B).0 Area A B Fir		B Area A B Fir	Gain	B 10.0 Area A B Fir		B 10.0 Area A B Fir	
Ap Duril I HL Total I HG Total I	Level 2 t. exposed wall A components consumer to the consumer to th	Total HG Total HG R-Values Loss 3.55 2 3.55 2 1.99 4 2.03 4 4.00 2 17.03 8.50 59.22 22.86	Gain 2.93 10.91 2.93 27.35 2.93 20.89 2.93 20.89 2.93 20.85 6.10 88.23 0.35 2.75 6.10 88.23 0.35 0.75 6.10 88.23	GRT 33 A B 10.0 215 Area 5 A B Fir 330 Loss 48 1101	Gain 1313	36 A B 10.0 297 Ar A B Fli 360 Lo	ss Gain 1078 1286	21 A B 10.0 167 Are: A B Fir 210 Los	s <u>Gain</u> 550 262	9 A B 12.0 27 Area A B FIr 108 Loss 0	33 A B 11.0 124 Area A B Flr 363 Sain Loss 27 619	10 12 Gain 739	12 A B 0.0 170 Area A B Fir 120 Loss Ga	10.0 275 190 iin 251 28	A B Area A B Fir	Gain 585	B).0 Area A B Fir		B Area A B Fir	Gain	B 10.0 Area A B Fir		B 10.0 Area A B Fir	
Ap Duril HL Total I1 HG Total Run ft. Run ft. Exp Exp GG GI	Level 2 t. exposed wall A t. exposed wall B Ceilings B Exposed Floors iross Exp Wall B Components North Shaded EastWest Existing Windows Skylight Doors exposed walls A exposed wall S Exposed Floors iross Exp Wall B Components North Shaded EastWest Existing Windows Skylight Doors exposed walls A exposed walls B exposed Ceilings A posed Ceilings A posed Ceilings A Doosed Ceilings A exposed walls B Exposed Floors	Total HG Total HG R-Values Loss 3.55 2 3.55 2 1.99 4 2.03 4 4.00 2 17.03 8.50 59.22 22.86	Gain 2.93 20.89 2.93 20.89 2.93 20.89 2.93 20.89 2.93 20.89 2.95 2.73 2.93 20.89 2.95 2.73 2.93 20.80 2.95 2.73 2.95 2.75 4.78 0.65 4.78 0.65 4.78 0.64 3.56 1.66 2.73 0.17	GRT 33 A B 10.0 215 Area 5 A B Fir 330 Loss 48 1101	Gain 1313	36 A B 10.0 297 Ar A B Fli 360 Lo	ss Gain 1078 1286	21 A B 10.0 167 Are: A B Fir 210 Los	s <u>Gain</u> 550 262	9 A B 12.0 27 Area A B FIr 108 Loss 0	33 A B 11.0 124 Area A B Flr 363 Sain Loss 27 619	10 12 Gain 739	12 A B 0.0 170 Area A B Fir 120 Loss Ga	10.0 275 190 iin 251 28	A B Area A B Fir	Gain 585	B).0 Area A B Fir		B Area A B Fir	Gain	B 10.0 Area A B Fir		B 10.0 Area A B Fir	
Ap Durit H L Total H L Tot	Level 2 Level 3 Level 4 Lev	R-Values Loss 3.55 2 3.55 2 4.00 2 17.03 8.50 59.22 22.86 29.80	Gain 2.93 20.89 2.93 20.89 2.93 20.89 2.93 20.89 2.93 20.89 2.95 2.73 2.93 20.89 2.95 2.73 2.93 20.80 2.95 2.73 2.95 2.75 4.78 0.65 4.78 0.65 4.78 0.64 3.56 1.66 2.73 0.17	GRT 33 A B 10.0 215 Area 5 A B Fir 330 Loss 48 1101	Gain 1313 182 3	36 A B 10.0 297 Ar A B Fir 360 Lo 47	ss Gain 1078 1286 1496 202	21 A B 10.0 167 Are: A B Fir 210 Los 24	s Gain 5550 262 889 120	9 A B 12.0 27 Area A B FIr 108 Loss 0	33 A B 11.0 124 Area A B Fir 363 363 27 619 58 21 427 56 315 1506	10 10 11 12 12 13 14 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	12 A B 0.0 170 Area A B Fir 120 Loss Ga	10.0 275 190 iin 251 28 70 162	A B Area A B Fir	585 105	B).0 Area A B Fir		B Area A B Fir	Gain	B 10.0 Area A B Fir		B 10.0 Area A B Fir	
Run ft. Exp Exp GG Gi	Level 2 t. exposed wall A t. exposed wall A t. exposed wall B Ceiling height Floor area posed Ceilings A posed Ceilings A posed Selings A Components North Shaded EastWouth Existing Windows Skylight Dors exposed Ceilings A posed Floors ctive Heatloss Heat Loss Heat Cain	R-Values Loss 3.55 2 3.55 2 3.55 2 4.00 2 17.03 8.50 59.22 22.86 29.80 0 On Grade () or	Gain 2.93 10.91 2.93 10.91 2.93 20.89 0.90 22.15 2.93 20.89 0.90 22.15 4.78 0.65 4.78 0.65 2.73 0.64 3.56 1.66 2.73 0.17 Abo x	GR1 33 A B 10.0 215 Area 5 A B Fir 330 Loss 48 1101	Gain 1313 182	36 A B 10.0 297 Ar A B Fli 360 Lo 47	ss Gain 1078 1286 1496 202 2574	21 A B 10.0 167 Are. A B Fir 210 Los 24	s Gain 5550 262 262 439 382 382	9 A B 12.0 27 Area A B Fir 108 Loss 21 427 87 416	33 A B 11.0 124 Area A B Fir 363 27 619 58 21 427 56 315	10 12 Gain 739	12 A B B 1.0 70 Area A B Fir 200 Loss Ga 12 275 08 516	10.0 275 190 iin 251 28	A B Area A B Fir Loss 642 774	Gain 585	B).0 Area A B Fir		B Area A B Fir	Gain	B 10.0 Area A B Fir		B 10.0 Area A B Fir	
Run ft. Exp Exp GG Gi	Level 2 Level 2 Lexposed wall A Lexposed wall A Lexposed wall B Lexposed Cellings A Lexposed Wall B Lexposed Cellings A Lexposed Cellings B Lexposed Cellings A Lexposed Walls A Lexposed Walls A Lexposed Walls A Lexposed Cellings B Lexposed Ce	R-Values Loss 3.55 2 3.55 2 1.99 4 2.03 4 4.00 2 17.03 8.50 59.22 2.86 29.80 On Grade () or	Gain 2.93 10.91 2.93 27.35 2.93 20.89 2.93 20.89 2.93 20.89 3.95 1.29 3.05 1.29 3.05 1.29 3.05 1.29 3.05 1.29 3.05 1.29 3.05 1.29 3.05 1.29 3.05 1.29 3.05 1.29 3.05 1.29 3.05 1.29 3.05 1.29 3.05 1.29 3.07 3.01 3.05 1.66	GR1 33 A B 10.0 215 Area 5 A B Fir 330 Loss 48 1101	Gain 1313 182 3 1498	36 A B 10.0 297 Ar A B Fli 360 Lo 47	ss Gain 1078 1286 1496 202	21 A B 10.0 167 Are. A B Fir 210 Los 24	s Gain 5550 262 889 120	9 A B 12.0 27 Area A B Fir 108 Loss 4 21 427 87 416	33 A B 11.0 124 Area A B Fir 363 363 27 619 58 21 427 56 315 1506	10 10 11 12 12 13 14 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	12 A B B 1.0 70 Area A B Fir 200 Loss Ga 12 275 08 516	10.0 275 190 iin 251 28 70 162	A B Area A B Fir Loss	585 105	B).0 Area A B Fir		B Area A B Fir	Gain	B 10.0 Area A B Fir		B 10.0 Area A B Fir	
Ap Dur H L Total H I H G Total H I H I H I H I H I H I H I H I H I H	Level 2 Level 2 Level 2 Level 2 Level 2 Leves 4 Level 2 Level 3 Level 4 Lev	R-Values Loss 3.55 2 3.55 2 4.00 2 17.03 8.50 59.22 22.86 29.80 On Grade () or	Gain 2.93 10.91 2.93 27.35 2.93 20.89 0.90 22.15 0.10 88.23 0.35 2.75 9.58 1.29 1.37 0.64 2.73 0.17 Abo x 3927 0.0408	GRT1 33 A B 10.0 215 Area 5 A B Fir 330 Loss 48 1101	Gain 1313 182 3 1498	36 A B 10.0 297 Ar A B Fli 360 Lo 47	ss Gain 1078 1286 1496 202 2574	21 A B 10.0 167 Are. A B Fir 210 Los 24	s Gain 5550 262 262 439 382 382	9 A B 12.0 27 Area A B Fir 108 Loss 21 427 87 416	33 A B 11.0 124 Area A B Fir 363 27 619 58 21 427 56 315 1506	10 10 11 12 12 13 14 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	12 A B B B	10.0 275 190 iin 251 28 70 162	A B Area A B Fir Loss 642 774	585 105	B).0 Area A B Fir		B Area A B Fir	Gain	B 10.0 Area A B Fir		B 10.0 Area A B Fir	
Ap Dur H L Total H I H G Total H I H I H I H I H I H I H I H I H I H	Level 2 t. exposed wall A t. exposed wall A t. exposed wall A t. exposed wall B Ceiling height Floor area posed Ceilings A posed Ceilings A Components North Shaded EastWest Exstance Skylight Doors exposed walls A texposed walls A texposed walls A texposed Ceilings A posed Ceili	R-Values Loss 3.55 2 3.55 2 3.55 2 4.00 2 17.03 8.50 59.22 22.86 29.80 0 On Grade () on	Gain 2.93 10.91 2.93 10.91 2.93 20.89 0.90 22.15 2.93 20.89 0.90 22.15 4.78 0.65 2.73 0.10 88.23 0.35 1.29 1.37 0.64 3.56 1.66 2.73 0.17 Abo x	GRT 33 A B 10.0 215 Area 5 A B Fir 330 Loss 48 1101 282 1348 5 7 2455 964	Gain 1313 182 3 1498 61	36 A B 10.0 297 Ar A B Fli 360 Lo 47	ss Gain 1078 1286 1496 202 2574 1488 1011 61	21 A B 10.0 167 Are. A B Fir 210 Los 24	s Gain 5550 262 8889 120 439 382 565 16	9 A B 12.0 27 Area A B Fir 108 Loss 0 21 427 87 416	33 A B 11.0 124 Area A B Fir 363 27 619 28 21 427 56 315 1506	1000 41	12 A B B .0 .0 .70 Area A B Fir .20 Loss Ga	10.0 275 190 iin 251 28 70 162 320 13	A B Area A B Fir Loss 642 774 1416 556	585 105 689 28	B).0 Area A B Fir		B Area A B Fir	Gain	B 10.0 Area A B Fir		B 10.0 Area A B Fir	
Ap Durit HL Total I1 HG Total Run ft. Run ft. Exp Exp GG Gi Net c Exp Exp Indiation Conductive I Leakage	Level 2 Level 2 Level 2 Lexposed wall A Lexposed wall B Collings A Lexposed Wall B Cellings B Exposed Cellings B Exposed Floors Sross Exp Wall A Bross Exp Wall B Components North Shaded East/West South Active Heat Gain Exposed Cellings B Exposed Walls B Components Lexiting Windows Skylight Doors Exposed Walls B Exposed Cellings B Exposed Cellings B Exposed Floors Heat Gain Heat Loss Heat Gas Case 1 Case 2 Case 2 Case 2	R-Values Loss 3.55 2 3.55 2 3.55 2 4.00 2 17.03 8.50 59.22 22.86 29.80 0 On Grade () on	Gain 2.93 10.91 2.93 27.35 2.93 20.89 2.93 22.35 2.93 20.89 2.93 20.89 2.93 2.35 2.93 20.89 2.93 20.89 2.93 20.89 2.93 20.89 2.93 20.89 2.93 20.89 2.93 20.89 2.93 10.91 2.93 10.91 2.93 10.91 2.93 10.91 2.93 10.91 2.93 10.91 2.93 10.91 2.93 10.91 2.93 10.91 2.93 10.91 2.93 10.91 2.93 10.91 2.93 10.91 2.93 10.91 2.93 10.91 2.93 10.93 10.93 2.93 10.93 10.93 2.93 10.93 10.93 10.93	GRT1 33 A B 10.0 215 Area 5 A B Fir 330 Loss 48 1101	Gain 1313 182 3 1498 61	36 A B 10.0 297 Ar A B Fli 360 Lo 47	ss Gain 1078 1286 1496 202 2574	21 A B 10.0 167 Are. A B Fir 210 Los 24	s Gain 5550 262 262 439 382 382	9 A B 12.0 27 Area A B Fir 108 Loss 0 21 427 87 416	33 A B 11.0 124 Area A B Fir 363 27 619 58 21 427 56 315 1506	10 10 11 12 12 13 14 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	12 A B B B	10.0 275 190 iin 251 28 70 162	A B Area A B Fir Loss 642 774	585 105	B).0 Area A B Fir		B Area A B Fir	Gain	B 10.0 Area A B Fir		B 10.0 Area A B Fir	
Ap Durel HL Total el 1 HC Total el 1 HC Total el 1 HG Tota	Level 2 Level 3 Level 4 Level	R-Values Loss 3.55 2 3.55 2 3.55 2 4.00 2 17.03 8.50 59.22 22.86 29.80 On Grade () or	Gain 2.93 10.91 2.93 27.35 2.93 20.89 0.90 22.15 0.10 88.23 0.35 2.75 9.58 1.29 1.37 0.64 4.78 0.65 2.73 0.17 Abo x 3927 0.0408 0.03 0.007 4.07 11.88 0.03 0.07	GRT 33 A B 10.0 215 Area 5 A B Fir 330 Loss 48 1101 282 1348 5 7 2450	Gain 1313 182 3 1498 61 109	36 A B 10.0 297 Ar A B B Fili 360 Lo	202 1496 202 1488 1011 61 87 108	21 A B 10.0 167 Are. A B Fir 210 Los 24	s Gain 5550 262 8889 120 439 382 565 16	9 A B 12.0 27 Area A B Fir 108 Loss 0 21 427 87 416	33 A B 11.0 124 Area A B Fir 363 27 619 28 21 427 56 315 1506	1000 41	12 A B B .0 .0 .70 Area A B Fir .20 Loss Ga	10.0 275 190 iin 251 28 70 162 320 13 23	A B Area A B B Fir Loss 642 774 48 48	Gain 585 105 689 28 50	B).0 Area A B Fir		B Area A B Fir	Gain	B 10.0 Area A B Fir		B 10.0 Area A B Fir	
Ap Durel 1 HL Total el 1 HG To	Level 2 Leyoel 2 Leyoed 2 Leyoed 2 Leyoed 4 Leyoed 6 Leyoed 6 Leyoed 6 Leyoed 6 Leyoed 6 Leyoed 6 Leyoed 7 Leyoed 6 Leyoed 7 Leyo	R-Values Loss 3.55 2 3.55 2 3.55 2 4.00 2 17.03 8.50 59.22 22.86 29.80 On Grade () or	Gain 2.93 10.91 2.93 27.35 2.93 22.35 0.10 88.23 0.35 2.75 4.78 0.65 9.58 1.29 1.37 0.64 3.56 1.66 2.73 0.17 Abo x 3927 0.0408 0.03 0.07 239 0.03 0.07 239 t 4821	GRT 33 A B 10.0 215 Area 5 A B Fir 330 Loss 48 1101 282 1348 5 7 2455 964	Gain 1313 182 3 1498 61	36 A B 10.0 297 Ar A B B Fili 360 Lo	ss Gain 1078 1286 1496 202 2574 1488 1011 61	21 A B 10.0 167 Are. A B Fir 210 Los 24	s Gain 5550 262 8889 120 439 382 565 16	9 A B 12.0 27 Area A B Fir 108 Loss 0 21 427 87 416	33 A B 11.0 124 Area A B Fir 363 27 619 28 21 427 56 315 1506	1000 41	12 A B B .0 .0 .70 Area A B Fir .20 Loss Ga	10.0 275 190 iin 251 28 70 162 320 13	A B Area A B B Fir Loss 642 774 48 48	585 105 689 28	B).0 Area A B Fir		B Area A B Fir	Gain	B 10.0 Area A B Fir		B 10.0 Area A B Fir	
Ap Durel 1 HL Total el 1 HG To	Level 2 Level 3 Level 4 Level	R-Values Loss 3.55 2 3.55 2 3.55 2 1.99 4 4.00 2 17.03 8.50 59.22 22.86 29.80 0 On Grade () or	Gain 2.93 10.91 2.93 27.35 2.93 20.89 0.90 22.15 0.10 88.23 0.35 2.75 9.58 1.29 1.37 0.64 4.78 0.65 2.73 0.17 Abo x 3927 0.0408 0.03 0.007 4.07 11.88 0.03 0.07	GRT 33 A B 10.0 215 Area 5 A B Fir 330 Loss 48 1101 282 1348 5 7 2450	Gain 1313 182 3 1498 61 109 1205	36 A B 10.0 297 Ar A A B FII 360 Lo	202 1496 202 1488 1011 61 87 108	21 A B 10.0 167 Are: A B Fir 210 Los 186	s Gain 5550 262 8889 120 439 382 565 16	9 A B 12.0 27 Area A B Fir 108 Loss 0 21 427 87 416	33 A B 11.0 124 Area A B Fir 363 27 619 28 21 427 56 315 1506	1000 41	12 A B B .0 .0 .70 Area A B Fir .20 Loss Ga	10.0 275 190 iin 251 28 70 162 320 13 23	A B Area A B B Fir Loss 642 774 48 48	Gain 585 105 689 28 50	B).0 Area A B Fir		B Area A B Fir	Gain	B 10.0 Area A B Fir		B 10.0 Area A B Fir	

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

Man 16Cot 2

David DaCosta

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

Level 3 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 A Gross Exp Wall B Components R-Values North Shaded South 3.55 East/West 3.55 Existing Windows 1.59 Existing Windows 1.59 Skylight 2.00 Doors 4.00 Net exposed walls A 17.00	g 2 2 2 Loss Gain	MAST 32 A 2 B 9.0 8.53 Area 12 53 A 12 B Fir	ENS 23 A B	B 8.0 8 232 Area	BATH 6 A B 0 0 8 Area	В	Heat Loss ^T 81. BED 4 34 A 2 B 10.0 8.	ENS 4 1 A 12 B	LAUN W 2 A 11 A B B 0 8.0	GTA: 2891 IC A B 8.0	Project # PJ-00204 Layout # JB-04483
Level 3 Run ft. exposed wall A 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 R-Values North Shaded EastWest 3.55 South 3.55 Existing Windows 1.95 Existing Windows 1.95 Skylight 2.00 Doors 4.00	g 2 2 2 Loss Gain	MAST 32 A 2 B 3.0 8.53 Area 12 53 A 12 B Fir	ENS 3 A B .0 23 Area 23 A	BED 2 12 A B 8.0 232 Area	6 A B .0	BED 3 12 A B	BED 4 34 A 2 B	ENS 4 1 A 12 B	LAUN W 2 A 11 A B B	IC A B	А В
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 A Gross Exp Wall B Components North Shaded A.5.5 East/West South South Stylight Skylight 2.00 Doors 4.00	2 2 2 Loss Gain	32 A 2 B 3.0 8.53 Area 12 53 A 12 B Fir	23 A B .0 23 Area 23 A	12 A B 8.0 8 232 Area	6 A B .0	12 A B	34 A 2	1 A 12 B	2 A 11 A B B	A B	В
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 A Gross Exp Wall B Components North Shaded A.5.5 East/West South South Stylight Skylight 2.00 Doors 4.00	2 2 2 Loss Gain	B 9.0 8. 53 Area 12 53 A 12 B Fir	B .0 23 Area 23 A	B 8.0 8 232 Area	B .0	В	В	В	В В	В	В
Ceiling height Floor area	2 2 Loss Gain	9.0 8. 53 Area 12 53 A 12 B FIr	.0 23 Area 23 A	8.0 8 232 Area	.0						
Floor area Exposed Ceilings A Exposed Ceilings B Exposed Floors Gross Exp Wall A Gross Exp Wall B Components R-Valuet North Shaded 3.55 East/West 3.55 South 3.55 Existing Windows 1.95 Existing Windows 1.95 Skylight 2.00 Doors 4.00	2 2 Loss Gain	53 Area 12 53 A 12 B Fir	23 Area 23 A	232 Area		8.0	IN 0	n 90	0.80	8.0	8.0
Exposed Ceilings A Exposed Ceilings B Exposed Floors Gross Exp Wall A Gross Exp Wall B Components R-Values North Shaded 3.55 East/West 3.55 South 3.55 Suth Sylight 2.00 Doors 4.00 Doors 4.00 Ceilings B Ceilin	2 2 Loss Gain	53 A 12 B Fir	23 A								
Exposed Ceilings B Exposed Floors Gross Exp Wall B Gross Exp Wall B Components R-Values North Shaded 3.58 EastWest 3.59 South 3.59 Existing Windows 1.98 Existing Windows 1.99 Skylight 2.00 Doors 4.00	2 Loss Gain	B Fir							9 Area 84 Area 9 A 84 A	Area A	Area A
Exposed Floors	Loss Gain	Flr		В	B	210 A 2	209 A 0	7 A 03 B	9 A 04 A В	B	В
Gross Exp Wall B Components R-Values	Loss Gain	88 19	Flr	Fir	Flr		_	3 Flr	Fir Fir	Fir	Fir
Components R-Values		00 10	34		18		340 16				
North Shaded 3.55											
East/West 3.5t South 3.5t Existing Windows 1.5t Skylight 2.0t Doors 4.0t		Loss Gain	Loss Gair		Loss Gain	Loss Gain	Loss Gain	Loss Gain	Loss Gain Loss	Gain Loss (Gain Loss Gain
South 3.59				175 16 367 175 438	8 183 87	16 367 175	48 1101 1313 3	7 040 4040			
Existing Windows 1.99 Skylight 2.03 Doors 4.00		28 642 766 1	6 367	438			48 1101 1313 3 19 436 397	7 848 1012	7 161 146		
Skylight 2.03 Doors 4.00							19 430 397		101 140		
Doors 4.00											
Not exposed walls A 17.05											
		60 1243 168 15	52 727	98 80 382 52	0 191 26	80 382 52 2	273 1305 176 13	1 626 85 101	1 483 65 88 4	21 57	
Net exposed walls B 8.50											
Exposed Ceilings A 59.22		53 348 162 12	169	79 232 319 149	93 44	218 300 140 2	289 397 185 8	7 120 56 89	9 122 57 84 1	15 54	
Exposed Ceilings B 22.86						66 180 11 1	194 530 33	3 8 4			
Exposed Floors 29.80 Foundation Conductive Heatloss	2.73 0.17					00 100 11 1	134 330 33				
Heat Lean		2233	1629	1068	468	1229	3768	1602	766 5	36	
Heat Gain		1096		789 375	157	377	2104	1153	269	111	
Air Leakage Heat Loss/Gain	0.2377 0.0408	531 45	387	32 254 15	111 6	292 15	896 86	381 47	182 11 1	27 5	
Case 1	0.02 0.07										
Ventilation Case 2 Case 3 x	14.07 11.88 0.03 0.07	oo		50 00 07	40 44	44 07	407 450	F1 01		40 0	
Case 3 x Heat Gain People	0.03 0.07	75 80 2 478	55	58 36 27 1 239	16 11	41 27 1 239	127 153 1 239	54 84	26 20	18 8	
	percent 4821	1 470		1 200		1 200	1 200	0.5	603		
Duct and Pipe loss	10%					1 152 62	1 466 234				
	Total HL for per room	2838	2072	1358	595	1715	5257	2037		82	
Level 3 HG Total 12,033 To	al HG per room x 1.3	2208	1	143 854	227	937	3662	1669	1172	160	
Level 4											
Run ft. exposed wall A		A	Α	Α	Α	Α	Α	Α	Α Α	A	A
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	Area	Area Area	Area	Area
Exposed Ceilings A		A	A	A	A	A	A	A	A A	A	A
Exposed Ceilings B		В	В	В	В	В	В	В	В В	В	В
Exposed Floors		Fir	Flr	Fir	Flr	Fir	Flr	Fir	Fir Fir	Fir	Flr
Gross Exp Wall A											
Gross Exp Wall B	I. I. I										
Components R-Values		Loss Gain	Loss Gair	n Loss Gain	Loss Gain	Loss Gain	Loss Gain	Loss Gain	Loss Gain Loss	Gain Loss (Gain Loss Gain
North Shaded 3.55 East/West 3.55											
South 3.55											
Existing Windows 1.99											
Skylight 2.03	40.10 88.23										
Doors 4.00											
Net exposed walls A 17.03											
Net exposed walls B 8.50											
Exposed Ceilings A 59.22 Exposed Ceilings B 22.86											
Exposed Floors 29.80											
Foundation Conductive Heatloss											
Total Conductive Heat Loss											
Heat Gain											
Air Leakage Heat Loss/Gain Case 1	0.0000 0.0408										
Caso 1	0.00 0.07 14.07 11.88										
	0.03 0.07										
Ventilation Case 2											
Ventilation Case 2 Case 3 x	239		1 1								
Case 2 Case 3 x Heat Gain People	239 percent 4821										
Case 2 Case 3 x	percent 4821 10%										
Case 2 Case 3 X	percent 4821									UUI	

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

50,680 Total Heat Loss btu/h Total Heat Gain 26,976 btu/h 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

Project #

Page 6 PJ-00204

e-mail dave@gtadesigns.ca Layout # JB-04483 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: S38-6 RESIDENTIAL MECHANICAL VENTILATION DESIGN SUMMARY informing to the Ontario Building Code, O.reg 332/12

	For systems serving one dwelling unit &	со
	Location of Installation	
Lot #	Plan #	
Township	Bradford	
Roll #	Permit #	\exists
Address		
	Builder	_
Name	Bayview Wellington	
Address	., ,	
City		

	Installing Contractor	
Name		
Address		
City		
Tel	Fax	

Fax

Tel

		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)
i		

		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
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

Total Ventilatio	n Car	oaci	ty 9.32	2.3.3(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 cfm	42.4 31.8	•	

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	cfm cfm	

Principal Exhaust Fan Capacity								
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

Supplemental ventilation Capa	acity
Total ventilation capacity	180.2
Less principal exhaust capacity	79.5
REQUIRED supplemental vent. Capacity	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	n system has been	designed
in accordance	with the Ontario Br	uilding Code.	NDV
Name	David D	aCosta	JP I
Signature	Mane	166	
HRAI#	5190	BCIN#	32964
Date	March 1	2. 2018	

Energy Efficiency Design Summary: Prescriptive Method

(Building Code Part 9, Residential)

Page 7

Project # PJ-00204 Layout # JB-04483

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	al Author	ity				
Application No:				Model/Certification Number						
A. Project Information										
Building number, street name			Barossa (6			Unit numb	er	Lot/Con	
			S38-6							
Municipality Bradford			Postal code		Reg. Plan	number / oth	ner descrip	tion		
2.00.00										
B. Prescriptive Compliance [indicate the building code compliance package being employed in the house design]										
SB-12 Prescriptive (input design pa	ckage):			Packa	age A1			Table:	3.1.1.2.	<u>A</u>
C. Project Design Conditions										
Climatic Zone (SB-1):		Heat. E	quip. Effic	iency			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% A	FUE		Oil		Electric		Earth Energy
Ratio of Windows, Skylights & Glas	s (W, S	& G) to \	Wall Area				Other I	Building Ch	aracteris	tics
A	42				☐ Log/F	Post&Beam		ICF Above	Grade	☐ ICF Basement
Area of Walls = <u>343.47</u> m ² or <u>3697.1</u>	ft²	W,S &	G % =	11%	☐ Slab	-on-ground		Walkout Ba	sement	
					☑ Air C	onditioning		Combo Unit	t	
Area of W, S & G = <u>39.483</u> m ² or <u>425.0</u>	ft²	Utilize V	Vindow \Box] Yes	☐ Air S	ourced Hea	t Pump (A	SHP)		
Averaging										
D. Building Specifications [provide	values a	nd ratings	of the energ	gy efficie	ency com	onents prop	posed]			
Energy Efficiency Substitutions										
☐ ICF (3.1.1.2.(5) & (6) / 3.1.1.3.(5))										
☐ Combined space heating and domestic	water he	eating syst	tems (3.1.1.2	2(7) / 3.1	1.1.3.(7))					
☐ Airtightness substitution(s)		Table 3.1	I.1.4.B Re	quired:				Permitted S	Substitution	1:
Airtightness test required		Table 3.1	Re	quired:				Permitted S	Substitution	1:
(Refer to Design Guide Attached)		Table 3.		quired:				Permitted S	Substitution	n:
Building Component			I/R-Values n U-Value ¹	or		Buile	ding Con	nponent		Efficiency Ratings
Thermal Insulation	Non	ninal	Effecti	ve	Windov	vs & Doo	rs Provide	e U-Value ⁽¹⁾ o	r ER rating	,
Ceiling with Attic Space	6	0			Window	s/Sliding G	lass Doo	rs		1.6
Ceiling without Attic Space	3	1			Skylights	3				2.8
Exposed Floor	3	1			Mechai	nicals				•
Walls Above Grade	22				Heating	Equip.(AFL	JE)			96%
Basement Walls		20.0ci			HRV Eff	iciency (SR	E% at 0°C	C)		75%
Slab (all >600mm below grade)	1	x			DHW H	eater (EF)				0.80
Slab (edge only ≤600mm below grade)	1	0			DWHR ((CSA B55.1	(min. 42%	efficiency))		#Showers 1
Slab (all ≤600mm below grade, or heated)	1	0			Combine	ed Heating	System			
(1) U value to be provided in either W/(m²·K) or Bt	u/(h·ft·F) l	out not bot	th.							•
E. Designer(s) [name(s) & BCIN(s), if	applicable	e, of perso	on(s) providir	ng inforr	mation he	rein to subst	antiate tha	at design mee	ts building	code]
Name		•		CIN		Signature				
David DaCosta				329	964			Mane	14C=	\
Form authorized by OHRA OROA IMCRO Revised December 1, 20										





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Page PJ-00204

Project # Layout # JB-04483

e-mail dave@gtadesigns.ca Package: Package A1 System 1 System: Project: **Bradford** Model: S38-6 Air Leakage Calculations **Building Air Leakage Heat Loss Building Air Leakage Heat Gain** В LRairh Vb **HLleak** В LRairh Vb HG^T **HG** Leak 0.018 0.318 33896 81.4 15804 0.018 0.079 33896 11 529 Levels Air Leakage Heat Loss/Gain Multiplier Table (Section 11) 1 2 3 4 Building Level Level Conductive Air Leakage Heat Loss (LF) (LF) (LF) (LF) Level Factor (LF) **Heat Loss** Multiplier 1.0172 1.0 0.5 Level 1 0.5 7769 0.6 0.4 Level 2 0.3927 12072 0.3 0.3 0.4 0.3 15804 Level 3 13300 0.2377 0.2 0 0.0000 Level 4 0 0.1 Air Leakage Heat Gain Levels this Dwelling **HG LEAK** 529 0.0408 3 **BUILDING CONDUCTIVE HEAT GAIN** 12965 **Ventilation Calculations Ventilation Heat Loss** Ventilation Heat Gain /ent Vent Ventilation Heat Loss **Ventilation Heat Gain** PVC (1-E) HRV **HLbvent** PVC HG^T **HGbvent** 1118 944 1.08 79.5 81.4 0.16 1.1 79.5 11 Case 1 Case 1 Ventilation Heat Loss (Exhaust only Systems) Ventilation Heat Gain (Exhaust Only Systems) Case 1 - Exhaust Only Case 1 - Exhaust Only Multiplier Case Case Level LF HLbvent LVL Cond. HL Multiplier **HGbvent** 944 0.07 Building 12965 7769 Level 1 0.5 0.07 Level 2 0.3 12072 0.03 1118 13300 Level 3 0.2 0.02 Level 4 0 0 0.00 Case 2 Case 2 **Ventilation Heat Loss (Direct Ducted Systems) Ventilation Heat Gain (Direct Ducted Systems)** Case Case Multiplier Multiplier HL^T (1-E) HRV HG^T С 14.07 11.88 1.08 1.08 81.4 0.16 Case 3 Case 3 Ventilation Heat Loss (Forced Air Systems) Ventilation Heat Gain (Forced Air Systems) ase **HLbvent** Multiplier Vent Heat Gain Multiplier **HGbvent** HG*1.3 **Total Ventilation Load** 1118 0.03 944 0.07 944 Foundation Conductive Heatloss Level 1 Watts 1963 6699 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):	6.60
Building Confi	guration
Type:	Detached
Number of Stories:	Two
Foundation:	Full
House Volume (m ³):	959.93
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):	0.318
Cooling Air Leakage Rate (ACH/H):	0.079

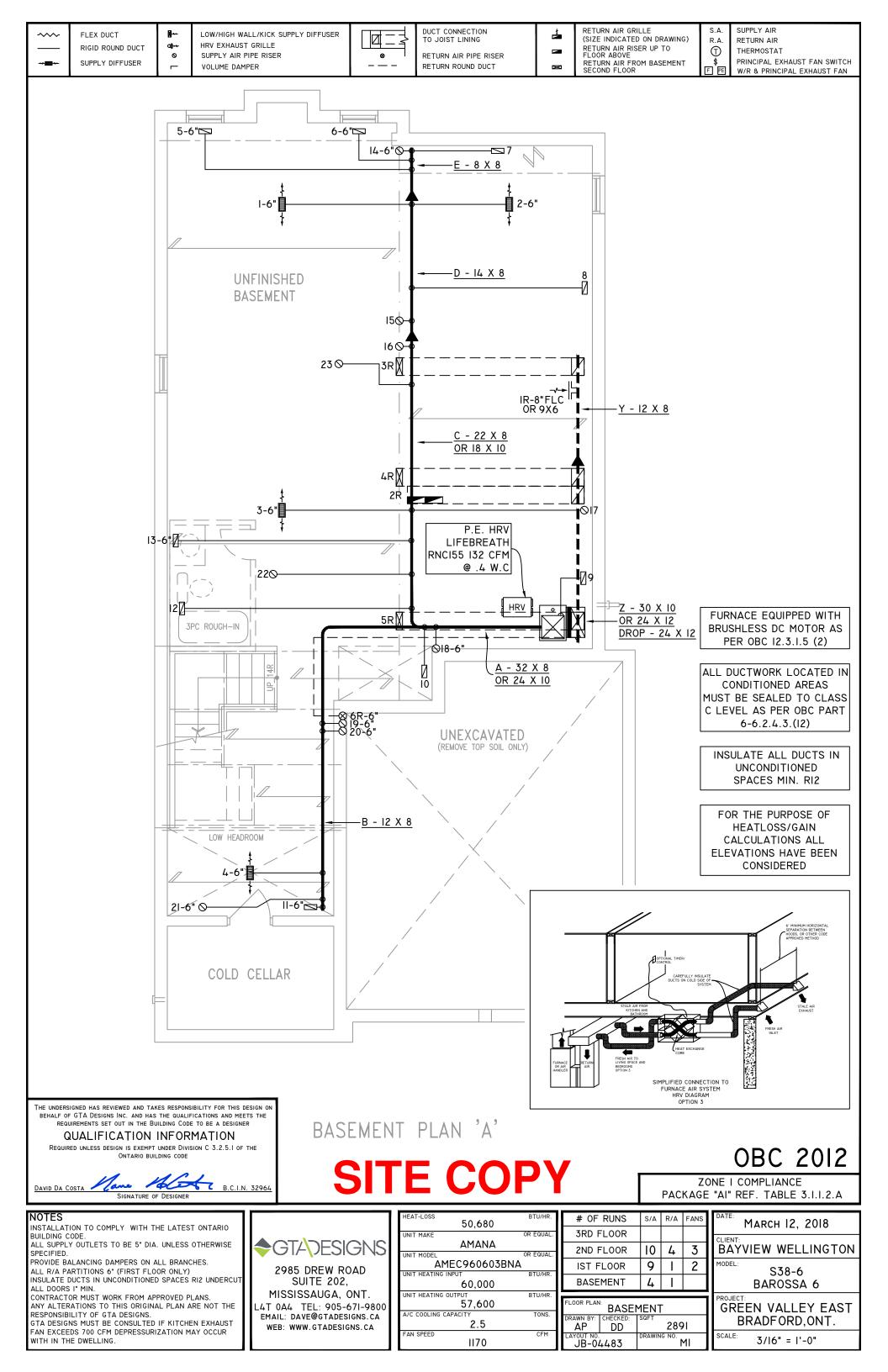


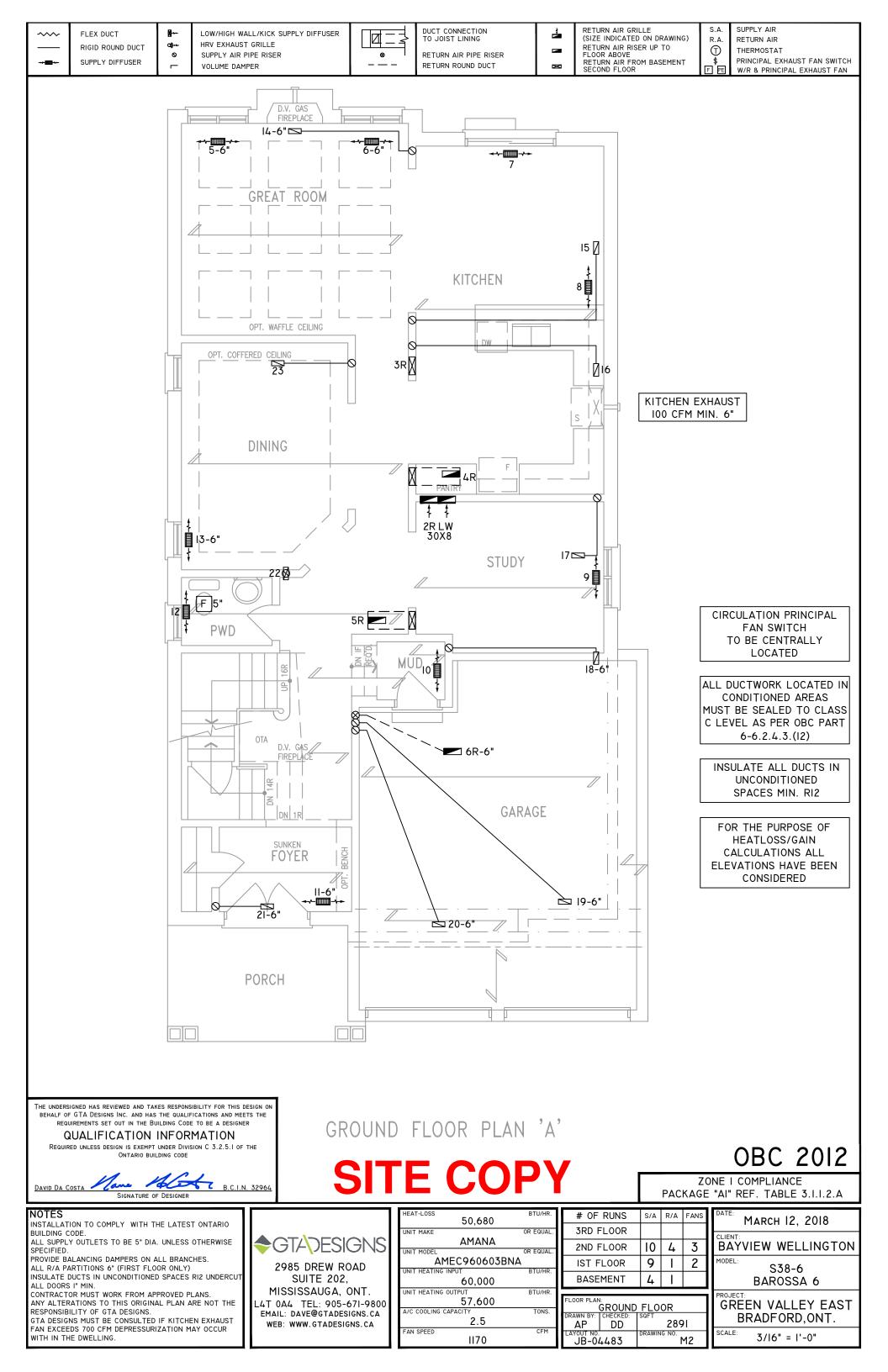
Residential Foundation Thermal Load Calculator

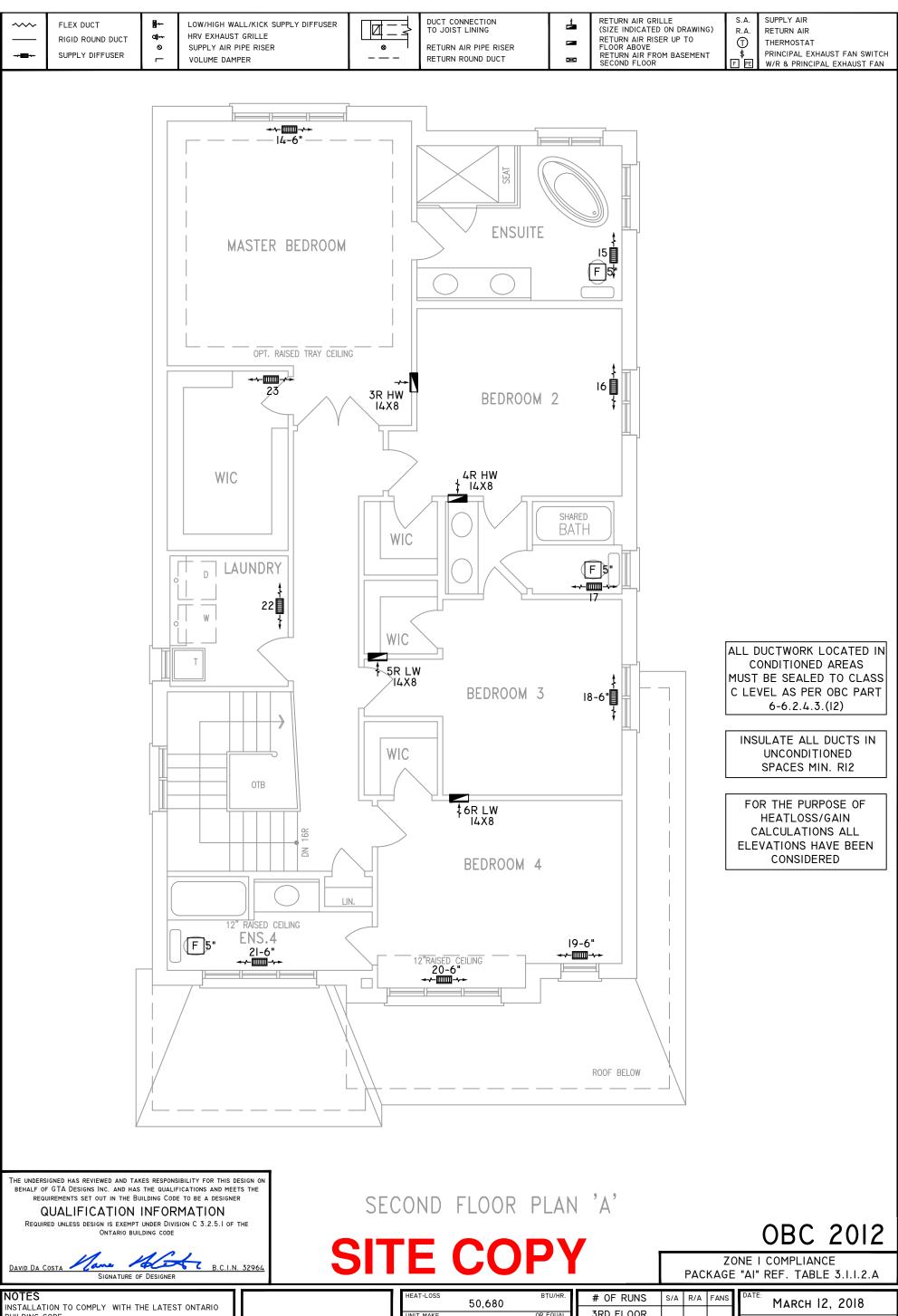
Supplemental tool for CAN/CSA-F280

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	Foundation Dimensions						
Floor Length (m):	19.33						
Floor Width (m):	5.66						
Exposed Perimeter (m):	49.99						
Wall Height (m):	2.74						
Depth Below Grade (m):	1.63	Insulation Configuration					
Window Area (m ²):	2.60						
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): 1963							









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.



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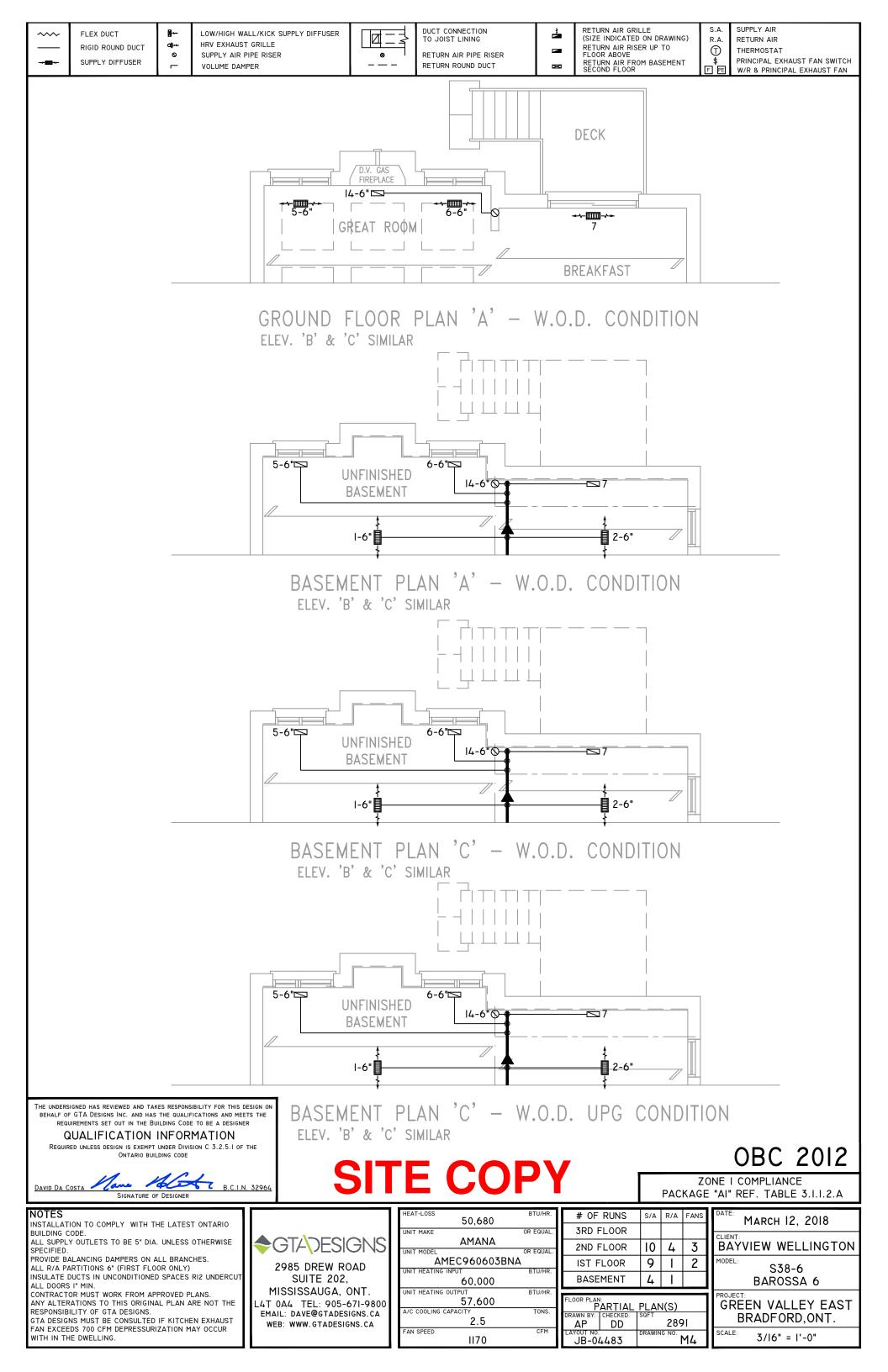
WEB: WWW.GTADESIGNS.CA

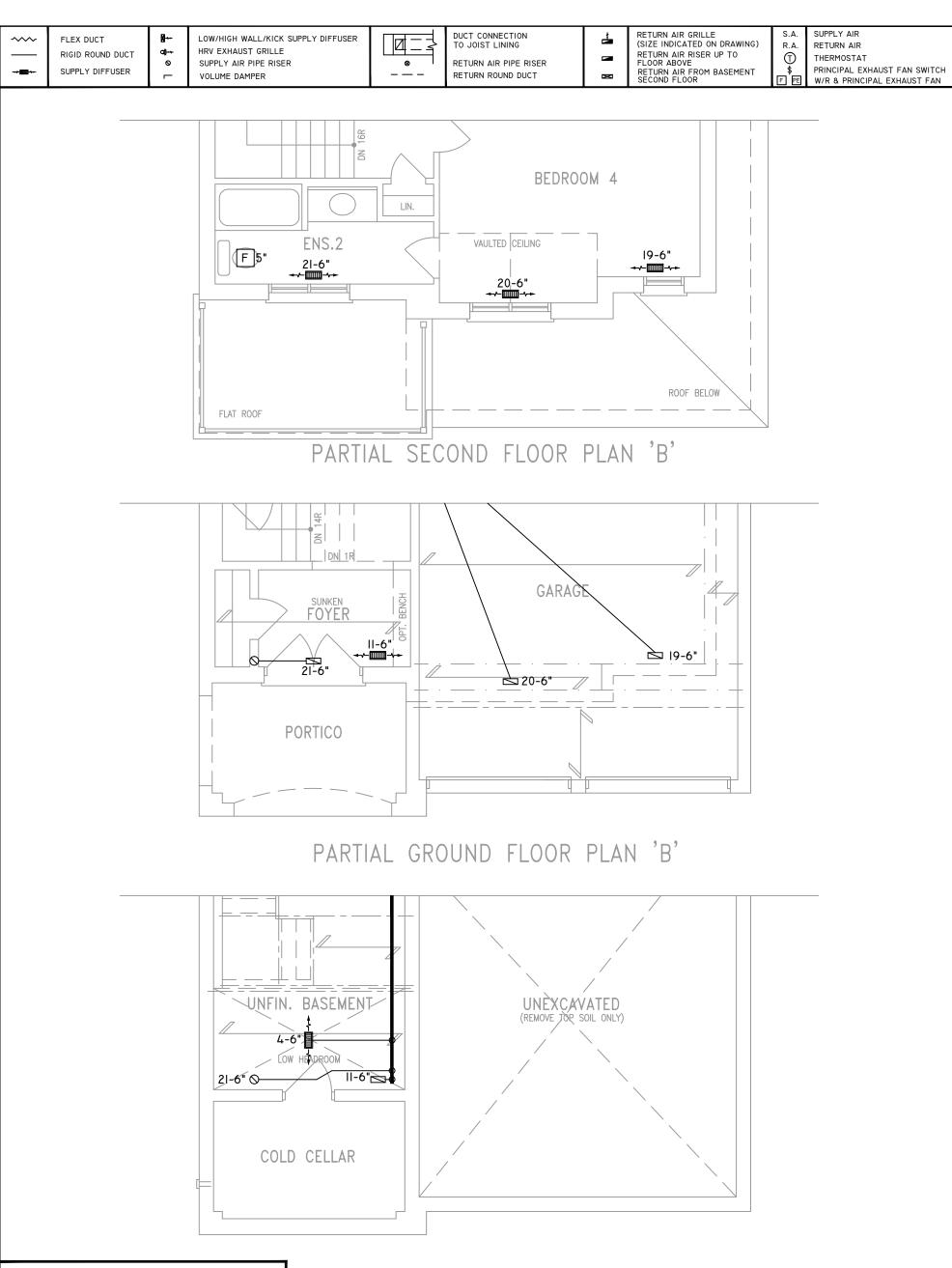
UNIT MAKE UNIT MODEL AME UNIT HEATING I UNIT HEATING OUT A/C COOLING CAPA FAN SPEED

BTU/HR. 50,680	# OF RUNS	S/A	R/A	FANS
OR EQUAL.	3RD FLOOR			
AMANA OR EQUAL.	2ND FLOOR	10	4	3
C960603BNA	IST FLOOR	9	ı	2
PUT BTU/HR. 60,000	BASEMENT	4	1	
TPUT BTU/HR.				
57,600	FLOOR PLAN: SECOND	FLO	ΛR	
2.5	DRAWN BY: CHECKED:	SQFT	289	91
CFM 1170	JB-04483	DRAWIN	IG NO.	M3

BAYVIEW WELLINGTON MODEL: S38-6 BAROSSA 6

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.I of the ONTARIO BUILDING CODE

DAVID DA COSTA

PARTIAL BASEMENT PLAN 'B'

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,

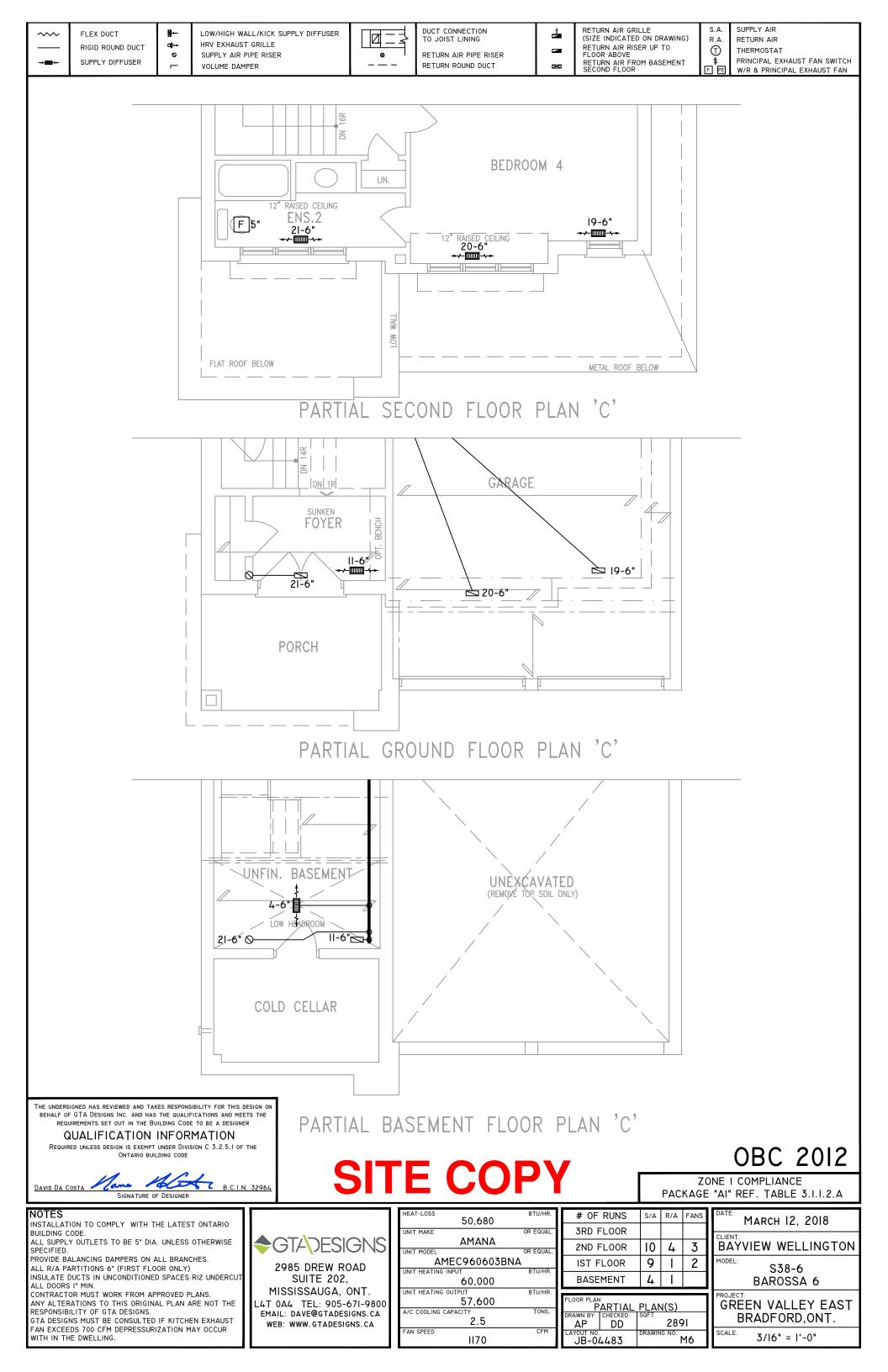
MISSISSAUGA, ONT. L4T 0A4 TEL: 905-671-9800 EMAIL: DAVE@GTADESIGNS.CA WEB: WWW.GTADESIGNS.CA

50,680	
UNIT MAKE	OR EQUAL.
AMANA	
UNIT MODEL	OR EQUAL.
AMEC960603BN	-
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 F	FLOOR				
2ND F	FLOOR	10	4	3	
IST F	LOOR	9	-	2	
BASE	4	-			
FLOOR PLAN: PARTIAL PLAN(S)					
DRAWN BY:		289I			
JB-04	4483	DRAWIN		4 5	

MARCH 12, 2018
BAYVIEW WELLINGTON
S38-6 BAROSSA 6
PROJECT:

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



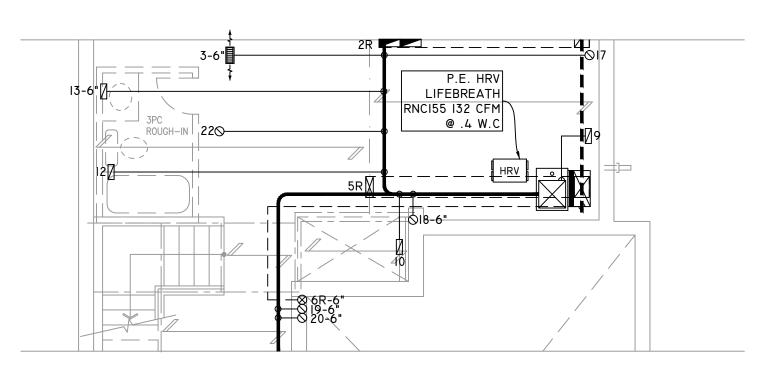
DUCT CONNECTION TO JOIST LINING RETURN AIR PIPE RISER RETURN ROUND DUCT

À

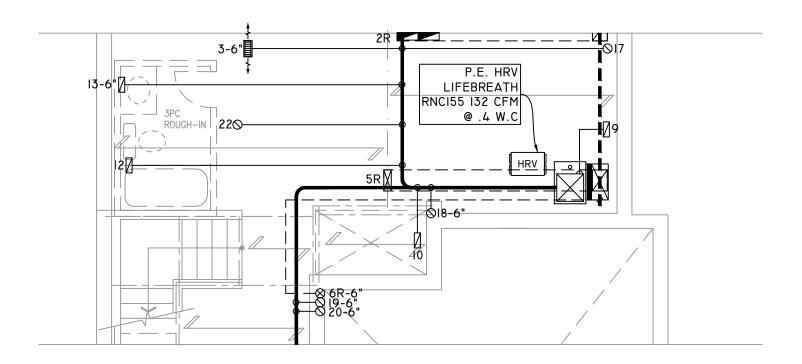
RETURN AIR GRILLE (SIZE INDICATED ON DRAWING) RETURN AIR RISER UP TO FLOOR ABOVE RETURN AIR FROM BASEMENT SECOND FLOOR

R.A 1

SUPPLY AIR RETURN AIR THERMOSTAT PRINCIPAL EXHAUST FAN SWITCH



PARTIAL PLAN FOR 2R OR MORE SUNKEN MUD ROOM COND.



PARTIAL PLAN FOR 1R SUNKEN MUD ROOM COND.

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

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.



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WEB: WWW.GTADESIGNS.CA

00,000	
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	10	4	3
IST FLOOR	9		2
BASEMENT	4	_	
FLOOR PLAN: PARTIAL I	PLAN	۱(S)	
DRAWN BY: CHECKED: 1	SOFT		

AP DD

JB-04483

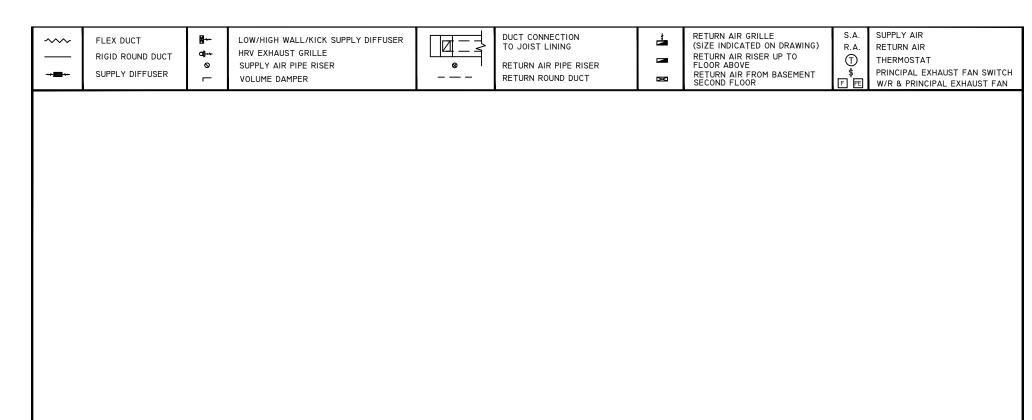
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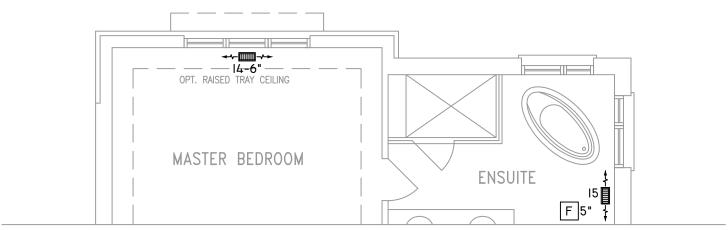
DRAWING NO. M7

MARCH 12, 2018
BAYVIEW WELLINGTON
S38-6 BAROSSA 6
PROJECT: GREEN VALLEY EAST

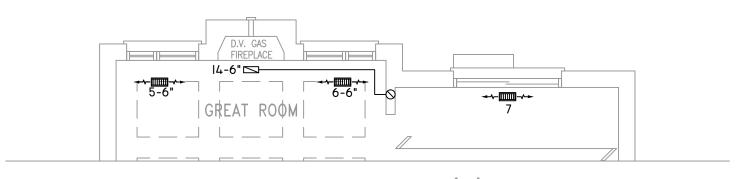
BRADFORD, ONT.

3/16" = 1'-0"





PARTIAL SECOND FLOOR PLAN 'C' REAR UPGRADE



PARTIAL GROUND FLOOR PLAN '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.I of the



SITE COPY

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

50,680	BTU/HK.
UNIT MAKE	OR EQUAL.
AMANA	
UNIT MODEL	OR EQUAL.
AMEC960603BN	
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				
0ND EL 00D		10	,	7
2ND FLOOR		10	4	3
IST FLOOR		9	ı	2
131 1 2001		7	'	
BASEMENT		4	- 1	
BAGEMENT			ı	
ELOOD BLAN				
PARTIAL PLAN(S)				
DRAWN BY: CHECKED	1:	SQFT		
AP DD		2891		
LAYOUT NO. DRAWING NO.				
	- 1			vio I

JB-04483

M8

MARCH 12, 2018
BAYVIEW WELLINGTON
S38-6 BAROSSA 6
PROJECT: GREEN VALLEY EAST

BRADFORD, ONT.

3/16" = 1'-0"